

INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV / LABORATORIO MATRIZ
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 Tels. (55) 5988 0900 Compuador ext. 6420 (55) 5091 2170 Directo Página Web: www.intertek.com.mx

ORDEN DE TRABAJO / CADENA DE CUSTODIA EXTERNA

DIRIGIR INFORME A: No. DE CLIENTE: ()
FACTURAR A: (solo si es diferente al del informe) No. DE CLIENTE: ()
 Razón Social: COMISION NACIONAL DEL AGUA
 Dirección: AV. INSURGENTES SUR No. 2416, COPILCO
 EL BAJO, COYOACAN, DISTRITO FEDERAL, MEXICO
 C.P. 04340
 Atención: Dr. Eric Daniel Gutiérrez López
 Teléfono 01-55-53-77-02-20
 Fax: 01-55-53-77-02-00
 e-mail: eric.gutierrez@conagua.gob.mx

NOMBRE DEL PROYECTO: CNA-GRM-034-2012 PROYECTO CNA **SIRALAB**

IDENTIFICACIÓN DE LA MUESTRA	FECHA MUESTRO	HORA MUESTRO	MATRIZ DE LA MUESTRA	PESO / CANT. RECIBIDA	No. DE LABORATORIO
Mandati 6	18/06/18	12:11	SEDIMENTOS		832268-1

PARAMETROS A ANALIZAR		IMPORTE ESPECIFICAR MÉTODO ANALÍTICO REQUERIDO (OCUPAR UNA COLUMNA POR PARÁMETRO O GRUPO O PAQUETE)	
F-IPPC3-1	ORDEN DE TRABAJO	832268	
ORDEN DE MUESTRO	COTIZACIÓN		
SUCURSAL INTELIGIS			
PRIORIDAD			
A	X		
B			
C			
NO. DE CONTENEDORES			
V	P	B	O
1			

NOMBRE DEL MUESTREADOR: URIAS GOMEZ CAMPERO
FIRMA MUESTREADOR: [Firma]
EMPRESA: ITS
Identificación de Hielera(s): MUESTRO POR TRIPLICADO

OBSERVACIONES:
 CLAVE DEL SITIO DE MUESTRO: Mandati 6
 Nombre del sitio: Rio Bitzal Zola-Tabasco
 ESTADO: Tabasco
 MUNICIPIO: MACUSPANA
 BRIGADA: ITS-TAB-13
 Nombre del Supervisor: JOSE MARTIN PALACIOS HERNANDEZ
 Firma del Supervisor: [Firma]

MUESTRAS PRESERVADAS CORRECTAMENTE: (67) (NO) (NA)		TEMPERATURA DE LAS MUESTRAS EN LA RECEPCIÓN 43 °C	
ESTUDIO ESPECIAL PROTOCOLO MACUSPANA	X	TABASCO VER HOJA ANEXA PARA SEDIMENTOS	X

NOMBRE DEL MUESTREADOR: URIAS GOMEZ CAMPERO
FIRMA MUESTREADOR: [Firma]
EMPRESA: ITS
Identificación de Hielera(s): MUESTRO POR TRIPLICADO

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 Nombre del Supervisor: JOSE MARTIN PALACIOS HERNANDEZ
 Firma del Supervisor: [Firma]

REGISTRO DE LA CADENA DE CUSTODIAS DE LAS MUESTRAS

ENTREGA 1	ENTREGA 2	ENTREGA 3
NOMBRE: URIAS GOMEZ CAMPERO FIRMA: [Firma] NOMBRE: AEROMEXICO FIRMA: [Firma]	NOMBRE: YURIAS GOMEZ CAMPERO FIRMA: [Firma] NOMBRE: AEROMEXICO FIRMA: [Firma]	NOMBRE: Edgar. M. Camacho Miranda FIRMA: [Firma] NOMBRE: AEROMEXICO FIRMA: [Firma]
FECHA: 18/06/18 HORA: 6:00	FECHA: 18/06/18 HORA: 6:00	FECHA: 18/06/18 HORA: 13:00

IMPORTE ESPECIFICAR MÉTODO ANALÍTICO REQUERIDO (OCUPAR UNA COLUMNA POR PARÁMETRO O GRUPO O PAQUETE)

CONTENEDORES (registrar cantidad de):
 V. Vidrio P. Plástico B. Bolsa P.C. Presentación Comercial
 O. Otro (especificar en observaciones)

ABC Analytic

RECEPCION DE MUESTRAS

NO. BASES 1
PRENUNCIACION NO
TEMPERATURA 30

FECHA	RECEPCION	FECHA	FECHA
20-8-18	Adolfo Alvarez	20 Abr 2018	20/08/2018
9:44	Adolfo Alvarez	3:50	20/08/2018
Adolfo Alvarez	Adolfo Alvarez	Concepcion	11:20



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COMISION NACIONAL DEL AGUA (49089)

AV. INSURGENTES SUR - 2416 Copilco El Bajo Ciudad de México , Coyoacán , 4340

At'n: DR. ERIC DANIEL GUTIÉRREZ LÓPEZ

INFORME DE PRUEBAS

No. DE ORDEN: 832268
No. DE LABORATORIO: 832268-1
FOLIO: 1337927
FECHA DE EMISIÓN: 03/09/18
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DATOS DE LA TOMA DE MUESTRA

IDENTIFICACIÓN DE LA MUESTRA:	MANATI 6
FECHA Y HORA DE MUESTREO:	17/08/2018 12:11
MUESTREADO POR:	INTERTEK
MUESTREADOR:	URIAS GOMEZ CAMPERO
MATRIZ:	SEDIMENTOS / CONTINENTALES
OBSERVACIONES DE MUESTREO:	MUESTRA COLOR GRIS OSCURO SIN OLOR, DE CONSISTENCIA SEMISÓLIDA TIPO LIMO CHICLOSO

DATOS DE RECEPCION DE LA MUESTRA

FECHA Y HORA: 18/08/18 14:00	No. FRASCOS: 1	PRESERVACION ADECUADA: SI
NOMBRE DEL SITIO: RIO BITZAL 2da		
ESTADO: TABASCO		
MUNICIPIO: MACUSPANA		
DESCRIPCIÓN: NINGUNA		

RESULTADOS DE ANALISIS DE LABORATORIO

AA	PARAMETRO	MÉTODO ANALÍTICO	UNIDADES	RESULTADO	D	LDM	LPC	ANALIZADO	
								FECHA	AN
A	ALUMINIO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	888,7	10	0,200	1,000	22/08/18	TCC
A	ARSENICO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	ND	1	0,200	1,000	22/08/18	TCC
A	CADMIO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	ND	1	0,040	0,200	22/08/18	TCC
A	CROMO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	9,271	1	0,100	0,500	22/08/18	TCC
A	NIQUEL BIODISPONIBLE	US EPA 6010C-2007	mg/kg	16,05	1	0,020	0,100	22/08/18	TCC
A	PLOMO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	4,421	1	0,100	0,500	22/08/18	TCC
A	VANADIO BIODISPONIBLE	US EPA 6010C-2007	mg/kg	8,859	1	0,200	1,000	22/08/18	TCC
A	MERCURIO BIODISPONIBLE	US EPA 7471A 1994	mg/kg	ND	1	0,013	0,1	22/08/18	TCC
B	DIGESTION	ISO 17402:2008	---	REALIZADO	1	NA	NA	22/08/18	TCC
29,31	HUMEDAD (NOM-021)	NOM-021-SEMARNAT-2000 AS-05	%	41,8	1	0,50	***	20/08/18	PJM
1,16	ALUMINIO TOTAL	US EPA 6010C-2007	mg/Kg	23430	100	0,2	1,0	28/08/18	ICV
1,16	ARSENICO TOTAL	US EPA 6010C-2007	mg/kg	2,372	1	0,2	1,0	28/08/18	ICV
1,16	CADMIO TOTAL	US EPA 6010C-2007	mg/kg	ND	1	0,04	0,20	28/08/18	ICV
1,16	CROMO TOTAL	US EPA 6010C-2007	mg/kg	278,3	1	0,1	0,50	28/08/18	ICV
B	DIGESTION ACIDA POR MICROONDAS	EPA3051-1996	NA	REALIZADA	1,0	NA	NA	28/08/18	ICV
29	HIDROC. FRACC. PESADA POR EXTRACCION Y GRAVIMETRIA	EPA 1664A-1996/EPA 9071B-1996	mg/kg	ND	1	300	***	20/08/18	LMV
1,16	MERCURIO TOTAL	US EPA 7471A 1994	mg/kg	0,0251	1	0,013	0,10	28/08/18	ICV
1,16	NIQUEL TOTAL	US EPA 6010C-2007	mg/kg	202,2	1	0,02	0,10	28/08/18	ICV
1,16	PLOMO TOTAL	US EPA 6010C-2007	mg/kg	6,285	1	0,1	0,50	28/08/18	ICV
1,16	VANADIO TOTAL	US EPA 6010C-2007	mg/Kg	51,81	1	0,2	1,0	28/08/18	ICV



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RESULTADOS DE ANALISIS DE LABORATORIO

AA	PARAMETRO	METODO ANALITICO	UNIDADES	RESULTADO	D	LDM	LPC	ANALIZADO	
								FECHA	AN
COMPUESTOS ORGANICOS SEMIVOLATILES 1									
29	1,2-DIFENILHIDRAZINA (122-66-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0280	0,133	20/08/18	MAS
29	2-CLORONAFTALENO (91-58-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0340	0,133333	20/08/18	MAS
29	2,3,4,6-TETRACLOROFENOL (58-90-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0720	3	20/08/18	MAS
29	2,4,5-TRICLOROFENOL (95-95-4)	US EPA 8270D 2007	mg/kg	ND	1	0,0557	0,333	20/08/18	MAS
29	2,4,6-TRICLOROFENOL (88-06-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0537	0,333	20/08/18	MAS
29	2,4-DICLOROFENOL (120-83-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0595	0,333	20/08/18	MAS
29	2,4-DIMETILFENOL (105-67-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0661	0,333	20/08/18	MAS
29	2,4-DINITROFENOL (51-28-5)	US EPA 8270D 2007	mg/kg	ND	1	0,0884	3	20/08/18	MAS
29	2,4-DINITROTOLUENO (121-14-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0317	1,667	20/08/18	MAS
29	2,6-DINITROTOLUENO (606-20-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0307	1,667	20/08/18	MAS
29	2-CLOROFENOL (95-57-8)	US EPA 8270D 2007	mg/kg	ND	1	0,0651	0,333	20/08/18	MAS
29	ANTRACENO (120-12-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0341	0,133	20/08/18	MAS
29	BENZO(A)ANTRACENO (56-55-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0353	0,133	20/08/18	MAS
29	BENZO(A)PIRENO (50-32-8)	US EPA 8270D 2007	mg/kg	0,09	1	0,0303	0,133	20/08/18	MAS
29	BENZO(B)FLUORANTENO (205-99-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0240	0,133	20/08/18	MAS
29	BENZO(G,H,I)PERILENO (191-24-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0260	0,133	20/08/18	MAS
29	BENZO(K)FLUORANTENO (207-08-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0352	0,133	20/08/18	MAS
29	BIS-2-(CLOROETIL) ETER (107-30-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0356	0,133	20/08/18	MAS
29	BIS-2-(CLOROISOPROPIL) ETER (108-60-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0332	0,133	20/08/18	MAS
29	CRISENO (218-01-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0392	0,133	20/08/18	MAS
29	DIBENZO (A,H) ANTRACENO (53-70-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0225	0,133	20/08/18	MAS
29	DIETILFTALATO (84-66-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0293	0,133	20/08/18	MAS
29	DIMETILFTALATO (131-11-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0340	0,133	20/08/18	MAS
29	DI-N-OCTILFTALATO (117-84-0)	US EPA 8270D 2007	mg/kg	ND	1	0,0151	1,667	20/08/18	MAS
29	FENANTRENO (85-01-8)	US EPA 8270D 2007	mg/kg	ND	1	0,0392	0,133	20/08/18	MAS
29	FENOL (108-95-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0621	0,333	20/08/18	MAS
29	FLUORANTENO (206-44-0)	US EPA 8270D 2007	mg/kg	ND	1	0,0315	0,133	20/08/18	MAS
29	FLUORENO (86-73-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0327	0,133	20/08/18	MAS
29	HEXACLOROBENCENO (118-74-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0398	0,13333333	20/08/18	MAS
29	HEXACLOROBUTADIENO (87-68-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0418	0,133	20/08/18	MAS
29	HEXACLOROCICLOPENTADIENO (77-47-4)	US EPA 8270D 2007	mg/kg	ND	1	0,0283	1,66666667	20/08/18	MAS
29	HEXACLOROETANO (67-72-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0337	0,133	20/08/18	MAS
29	INDENO(1,2,3,C-D)PIRENO (193-39-5)	US EPA 8270D 2007	mg/kg	ND	1	0,0232	0,133	20/08/18	MAS

En la columna AA se indica la clave que liga con el laboratorio que realizó la prueba y el reconocimiento legal que lo ampara (ver apartado Reconocimientos Legales)



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FECHA DE EMISIÓN: 03/09/18
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RESULTADOS DE ANALISIS DE LABORATORIO

AA	PARAMETRO	METODO ANALÍTICO	UNIDADES	RESULTADO	D	LDM	LPC	ANALIZADO	
								FECHA	AN
29	ISOFORONA (78-59-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0290	0,133	20/08/18	MAS
29	m+p-CRESOL (NA)	US EPA 8270D 2007	mg/kg	ND	1	0,129	0,667	20/08/18	MAS
29	NAFTALENO (91-20-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0357	0,133	20/08/18	MAS
29	NITROBENCENO (98-95-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0281	0,133	20/08/18	MAS
29	N-NITROSODIFENILAMINA (86-30-6)	US EPA 8270D 2007	mg/kg	ND	1	0,0301	0,133	20/08/18	MAS
29	N-NITROSODIMETILAMINA (62-75-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0370	0,133	20/08/18	MAS
29	N-NITROSO-DI-N-PROPILAMINA (621-64-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0319	0,133	20/08/18	MAS
29	o-CRESOL (95-48-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0670	0,333	20/08/18	MAS
29	PENTAFLOROFENOL (87-86-5)	US EPA 8270D 2007	mg/kg	ND	1	0,0215	3	20/08/18	MAS
29	PIRENO (129-00-0)	US EPA 8270D 2007	mg/kg	ND	1	0,0333	0,133	20/08/18	MAS
29	PIRIDINA (110-86-1)	US EPA 8270D 2007	mg/kg	ND	1	0,1320	0,6667	20/08/18	MAS
29	ANILINA (62-53-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0730	0,333	20/08/18	MAS
29	ALCOHOL BENCILICO (100-51-6)	US EPA 8270D 2007	mg/kg	ND	1	0,0613	0,33333333	20/08/18	MAS
29	BIS(2-CLOROETOXI)-METANO (111-91-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0313	0,13333333	20/08/18	MAS
29	DIBENZOFURANO (132-64-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0713	0,33333333	20/08/18	MAS
29	o-METILFENOL (95-48-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0667	0,33333333	20/08/18	MAS
B	EXTRACCION DE COSVS	EPA 3550C-2007	---	REALIZADA	1	NA	NA	20/08/18	MAS
COMPUESTOS ORGANICOS SEMIVOLATILES 2									
29	2-NITROFENOL (88-75-5)	US EPA 8270D 2007	mg/kg	ND	1	0,0433	0,333	20/08/18	MAS
29	4-BROMOFENIL FENIL ETER (101-55-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0316	0,133	20/08/18	MAS
29	4-CLORO-3-METILFENOL (59-50-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0560	0,333	20/08/18	MAS
29	4-NITROFENOL (100-02-7)	US EPA 8270D 2007	mg/kg	ND	1	0,0310	0,333	20/08/18	MAS
29	ACENAFTENO (83-32-9)	US EPA 8270D 2007	mg/kg	ND	1	0,0353	0,133	20/08/18	MAS
29	ACENAFTILENO (208-96-8)	US EPA 8270D 2007	mg/kg	ND	1	0,0290	0,133	20/08/18	MAS
29	2-METILNAFTALENO (91-57-6)	US EPA 8270D 2007	mg/kg	ND	1	0,0660	0,33333333	20/08/18	MAS
29	2-NITROANILINA (88-74-4)	US EPA 8270D 2007	mg/kg	ND	1	0,0424	0,33333333	20/08/18	MAS
29	3-NITROANILINA (99-09-2)	US EPA 8270D 2007	mg/kg	ND	1	0,0440	0,33333333	20/08/18	MAS
29	4,6-DINITRO-2-METILFENOL (534-52-1)	US EPA 8270D 2007	mg/kg	ND	1	0,0315	3	20/08/18	MAS
29	4-CLOROANILINA (106-47-8)	US EPA 8270D 2007	mg/kg	ND	1	0,0418	0,33333333	20/08/18	MAS
29	4-CLOROFENIL-FENIL-ETER (7005-72-3)	US EPA 8270D 2007	mg/kg	ND	1	0,0350	0,13333333	20/08/18	MAS
29	4-NITROANILINA (100-01-6)	US EPA 8270D 2007	mg/kg	ND	1	0,0423	0,33333333	20/08/18	MAS
HIDROCARBUROS FRACCION MEDIA (HFM) (EPA 8015D-2003)									
B	EXTRACCION DE HIDROCARBUROS FRACCION MEDIA	EPA 3550C-2007	---	REALIZADA	1	NA	NA	20/08/18	ECA
29	HIDROCARBUROS FRACCION MEDIA	EPA 8015D-2003	mg/kg	19,05	1	12,34	33,33	21/08/18	TNE
PLAGUICIDAS ORGANOFOSFORADOS (POFs)									
29	BOLSTAR	US EPA 8141B 2007	ug/kg	ND	1	6,68	33	23/08/18	BCI

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Página 4 de 6



RESULTADOS DE ANALISIS DE LABORATORIO

AA	PARAMETRO	METODO ANALITICO	UNIDADES	RESULTADO	D	LDM	LPC	ANALIZADO	
								FECHA	AN
29	CHLORPYRIFOS	US EPA 8141B 2007	ug/kg	ND	1	5,36	33,3	23/08/18	BCI
29	COUMAPHOS	US EPA 8141B 2007	ug/kg	ND	1	12,4	33	23/08/18	BCI
29	DEMETON-S	US EPA 8141B 2007	ug/kg	ND	1	12,2	33,3	23/08/18	BCI
29	DIAZINON	US EPA 8141B 2007	ug/kg	ND	1	13,3	33,3	23/08/18	BCI
29	DIMETOATE	US EPA 8141B 2007	ug/kg	ND	1	13,0	33,3	23/08/18	BCI
29	EPN	US EPA 8141B 2007	ug/kg	ND	1	7,61	33,3	23/08/18	BCI
29	ETHOPROP	US EPA 8141B 2007	ug/kg	ND	1	12,4	33,3	23/08/18	BCI
29	FENSULFOTHION	US EPA 8141B 2007	ug/kg	ND	1	6,43	33,3	23/08/18	BCI
29	FENTHION	US EPA 8141B 2007	ug/kg	ND	1	4,51	33,3	23/08/18	BCI
29	PHORATE	US EPA 8141B 2007	ug/kg	ND	1	9,94	33,3	23/08/18	BCI
29	MALATHION	US EPA 8141B 2007	ug/kg	ND	1	5,88	33,3	23/08/18	BCI
29	METHYL PARATHION	US EPA 8141B 2007	ug/kg	ND	1	3,35	33,3	23/08/18	BCI
29	MEVINPHOS	US EPA 8141B 2007	ug/kg	ND	1	6,64	33,3	23/08/18	BCI
29	PARATHION	US EPA 8141B 2007	ug/kg	ND	1	5,02	33,3	23/08/18	BCI
29	RONNEL	US EPA 8141B 2007	ug/kg	ND	1	6,03	33,3	23/08/18	BCI
29	SULFOTEP	US EPA 8141B 2007	ug/kg	ND	1	8,0	33,3	23/08/18	BCI
29	TERBUFOS	US EPA 8141B 2007	ug/kg	ND	1	6,20	33,3	23/08/18	BCI
29	TOKUTION	US EPA 8141B 2007	ug/kg	ND	1	7,32	33,3	23/08/18	BCI
29	TRICHLORONATE	US EPA 8141B 2007	ug/kg	ND	1	3,32	33,3	23/08/18	BCI
29	DEMETON-O	US EPA 8141B 2007	ug/kg	ND	1	6,09	33,3	23/08/18	BCI
29	DISULFOTON	US EPA 8141B 2007	ug/kg	ND	1	4,71	33,3	23/08/18	BCI
29	NALED	US EPA 8141B 2007	ug/kg	ND	1	11,0	33,3	23/08/18	BCI
29	STIROPHOS	US EPA 8141B 2007	ug/kg	ND	1	5,27	33,3	23/08/18	BCI
29	AZINPHOS METHYL	US EPA 8141B 2007	ug/kg	ND	1	9,04	33,3	23/08/18	BCI
B	EXTRACCION DE COFS	EPA 3550C-2007	---	REALIZADA	1	NA	NA	23/08/18	BCI
29	DICLORVOS	US EPA 8141B 2007	ug/kg	ND	1	5,3	33,3	23/08/18	BCI
PLAGUICIDAS CLORADOS									
1	ALDRIN	US EPA 8081B-2007	mg/kg	ND	1	0,000021	0,00010	25/08/18	MOM
C	BHC (ALFA, BETA Y DELTA)	CALCULO (SUMA DE ALFA, BETA Y DELTA BHC)	mg/kg	ND	1	NA	NA	25/08/18	MOM
1	CLORDANO	US EPA 8081B-2007	mg/kg	ND	1	0,000027	0,00019	25/08/18	MOM
1	DELTA-BHC	US EPA 8081B-2007	mg/kg	ND	1	0,000028	0,00010	25/08/18	MOM
A	DDD	US EPA 8081B 2007	mg/kg	ND	1	0,000024	0,00010	25/08/18	MOM
A	DDE	US EPA 8081B 2007	mg/kg	ND	1	0,00003	0,00010	25/08/18	MOM
A	DDT	US EPA 8081B-2007	mg/kg	ND	1	0,000038	0,00010	25/08/18	MOM
1	DIELDRIN	US EPA 8081B-2007	mg/kg	ND	1	0,000017	0,00010	25/08/18	MOM
1	ENDRIN ALDEHIDO	US EPA 8081B-2007	mg/kg	ND	1	0,000025	0,00010	25/08/18	MOM
1	ENDOSULFAN (ALFA Y BETA)	US EPA 8081B-2007	mg/kg	ND	1	0,000056	0,00020	25/08/18	MOM
1	ENDOSULFAN SULFATO	US EPA 8081B-2007	mg/kg	ND	1	0,000036	0,00010	25/08/18	MOM
1	ENDRIN	US EPA 8081B-2007	mg/kg	ND	1	0,000023	0,00010	25/08/18	MOM

En la columna AA se indica la clave que liga con el laboratorio que realizó la prueba y el reconocimiento legal que lo ampara (ver apartado Reconocimientos Legales)



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INFORME DE PRUEBAS

No. DE ORDEN: 832268
No. DE LABORATORIO: 832268-1
FOLIO: 1337927
FECHA DE EMISIÓN: 03/09/18
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RESULTADOS DE ANALISIS DE LABORATORIO

AA	PARAMETRO	METODO ANALÍTICO	UNIDADES	RESULTADO	D	LDM	LPC	ANALIZADO	
								FECHA	AN
B	EXTRACCION DE PLAGUICIDAS CLORADOS	EPA 3550C-2007	mg/kg	REALIZADA	1	NA	NA	23/08/18	MOM
1	HEPTACLORO	US EPA 8081B-2007	mg/kg	ND	1	0,000028	0,00010	25/08/18	MOM
1	HEPTACLORO EPOXIDO	US EPA 8081B-2007	mg/kg	ND	1	0,000029	0,00010	25/08/18	MOM
1	HEXACLOROBENCENO	US EPA 8081B-2007	mg/kg	ND	1	0,000022	0,00010	25/08/18	MOM
1	GAMA-BCH (LINDANO)	US EPA 8081B 2007	mg/kg	ND	1	0,000037	0,00010	25/08/18	MOM
1	METOXICLORO	US EPA 8081B-2007	mg/kg	ND	1	0,000020	0,00010	25/08/18	MOM
1	TOXAFENO	US EPA 8081B-2007	mg/kg	ND	1	0,000098	0,00049	25/08/18	MOM

OBSERVACIONES ANALITICAS: LA MUESTRA NO PRESENTA MERPHOS EN UN LDM 12,38 µg/Kg, LPC 33,37 µg/Kg, SE ANALIZO EL DIA 19/04/18 CON DILUCION 1. PARA ORGANOFOSFORADOS SE OBSERVA PERFIL CARACTERÍSTICO DE HIDROCARBUROS. PICOS OBSERVADOS: 4. SE DETECTAN 49 PICOS DE COMPUESTOS QUE NO CORRESPONDEN A LOS PLAGUICIDAS CLORADOS CALIBRADOS EN EL METODO ANALITICO.

NOTAS EXPLICATIVAS PARA MEJOR INTERPRETACION DE LOS RESULTADOS

D: Dilución efectuada a la Muestra NA: No aplica AA: Prueba Acreditada o Aprobada (ver Tabla siguiente) AN: Clave del Analista que realizó la prueba
ND: Significa que el resultado del analito es un valor menor al expresado en la celda LDM. Otra forma de expresarlo es <LDM. NE: Análisis No Efectuado

- Para calcular la Cantidad Mínima Detectable en la muestra analizada, se debe multiplicar el LDM por la dilución efectuada (D)
- Si el resultado es mayor que el Límite de Detección del Método (LDM) y menor que el Límite Práctico de Cuantificación (LPC), debe ser tomado como estimado.
- Cuando en la columna LPC se expresa ***, significa que el valor reportado corresponde a la Cantidad Mínima Cuantificable, LDM no aplica para este Método.
- En los casos en los que se reportan Métodos Alternos, éstos han sido Autorizados por la dependencia correspondiente y de acuerdo al Art. 49 de la LFMN.
- (I) El análisis fue realizado con el Método Extranjero (EPA, ISO, SM, ASTM, etc) que se indica, el cual es un Método Alterno al Método Nacional (NMX o NOM). El reconocimiento de este Método Alterno por las autoridades competentes se indica en la columna AA.

- Los valores de las Incertidumbres Expandidas de cada uno de los parámetros reportados en este informe se encuentran a su disposición, previa solicitud.

DECLARACIONES

- Este informe de Pruebas no podrá ser reproducido total ni parcialmente sin la autorización escrita y firmada por la Dirección General.
 - Los resultados de las pruebas reportadas fueron realizados con los métodos y procedimientos aquí asentados, y sólo afectan a la muestra sometida a prueba.
- ESTIMADO CLIENTE LE RECORDAMOS EL COMPROMISO DE ABC ANALITIC CON LOS 10 PRINCIPIOS DEL PACTO MUNDIAL DE LAS NACIONES UNIDAS EN MATERIA DE DERECHOS HUMANOS, TRABAJO, MEDIO AMBIENTE Y ANTI-CORRUPCIÓN. EN ESTE SENTIDO LE SOLICITAMOS DENUNCIAR A LA BREVEDAD POSIBLE CUALQUIER SITUACIÓN QUE USTED CONSIDERE QUE ATENTE CONTRA ESTOS PRINCIPIOS Y QUE DERIVE DE LAS OPERACIONES DE ALGÚN COLABORADOR DE NUESTRA ORGANIZACIÓN O ALGÚN TERCERO RELACIONADO AL PROCESO DE PRESTACIÓN DE NUESTROS SERVICIOS. LA DENUNCIA PODRÁ HACERLA AL CORREO ELECTRÓNICO: denuncias@abcanalitic.com**

Q.I. JAVIER ENRIQUE SANCHEZ CHAVEZ
GERENTE DE OPERACIONES LABORATORIOS ABC - MATRIZ
REPRESENTANTE AUTORIZADO

En la columna AA se indica la clave que liga con el laboratorio que realizó la prueba y el reconocimiento legal que lo ampara (ver apartado Reconocimientos Legales)



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INFORME DE PRUEBAS

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RECONOCIMIENTOS LEGALES

(Actualizado al 06 de Agosto del 2018)

DEPENDENCIA O INSTITUCIÓN	AA	LABORATORIO QUE REALIZÓ LA PRUEBA Y No. DE ACREDITACIÓN, APROBACIÓN Y/O AUTORIZACIÓN	
 <p>* Laboratorio de Ensayo acreditado por ema, a.c. con base en los alcances publicados en la página de la entidad.</p>	1	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Delegación Álvaro Obregón, Ciudad de México: Acreditación N° AG-096-029/11 - Fecha de Acreditación 2011-07-28 - Rama Agua Acreditación N° A-027-001/11 - Fecha de Acreditación 2011-08-01 - Rama Alimentos Acreditación N° R-0091-009/11 - Fecha de Acreditación 2011-05-23 - Rama Residuos	
	2	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Tlaquepaque, Jalisco: Acreditación N° AG-072-016/11 - Fecha de Acreditación 2011-08-09 - Rama Agua	
	3	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Mérida, Yucatán: Acreditación N° AG-096-029/11 S1 - Fecha de Acreditación 2014-03-25 - Rama Agua	
	4	LABORATORIO FERMI, SA DE CV - Laboratorio Matriz, Delegación Álvaro Obregón, Ciudad de México: Acreditación N° A-0352-029/12 - Fecha de Acreditación 2012-02-16 - Rama Alimentos	
	35	LABORATORIO FERMI, S.A. DE C.V. - Laboratorio Guadalupe, Nuevo León: Acreditación N° A-188-016/12 - Fecha de Acreditación 2012-12-11 - Rama Alimentos	
	5	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Tijuana, Baja California: Acreditación N° AG-0083-012/11 - Fecha de Acreditación 2011-09-01 - Rama Agua	
	27	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Guadalupe, Nuevo León: Acreditación N° AG-035-018/11 - Fecha de Acreditación 2011-06-14 - Rama Agua Acreditación N° R-0283-022/11 - Fecha de Acreditación 2011-06-09 - Rama Residuos	
	21	GAMATEK, SA DE CV - Laboratorio Matriz - Monterrey, Nuevo León: Acreditación No. FF-0020-001/12 - Fecha de Acreditación 2012-02-24 - Rama Fuentes Fijas Acreditación No. AL-0035-004/12 - Fecha de Acreditación 2012-02-07 - Rama Ambiente Laboral Acreditación No. FL - 09 - Fecha de Acreditación 2009-08-25 - Area Flujo	
	29	INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV - Laboratorio Matriz, Delegación Azcapotzalco, Ciudad de México: Acreditación N° AG-188-051/11 - Fecha de Acreditación 2011-05-18 - Rama Agua Acreditación N° R-0044-003/11 - Fecha de Acreditación 2011-05-23 - Rama Residuos Acreditación N° FF-0043-002/11 - Fecha de Acreditación 2011-05-23 - Rama Fuentes Fijas Acreditación N° AL-0212-019/10 - Fecha de Acreditación 2010-08-23 - Rama Ambiente Laboral	
			Acreditaciones otorgadas por la Entidad Mexicana de Acreditación, AC bajo la norma NMX-EC-17025-IMNC-2006 (ISO/IEC 17025-2005): "Requisitos Generales para la Competencia de Laboratorios de Ensayo y Calibración"
	COMISION FEDERAL PARA LA PROTECCIÓN CONTRA RIESGOS SANITARIOS (COFEPRIS)	7	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México Tercero Autorizado como Laboratorio de Pruebas - Autorización N° TA-57-16 - Vigencia del 2016-07-14 al 2018-07-14 Rama Alimentos Autorización en proceso de renovación, se mantiene la validez hasta que se concluya el proceso por la dependencia competente.
		8	LABORATORIO FERMI, SA DE CV - Laboratorio Matriz - Ciudad de México Tercero Autorizado como Laboratorio de Pruebas - Autorización N° TA-24-18 - Vigencia del 2018-05-17 al 2020-05-17 - Rama Alimentos
		9	LABORATORIO FERMI, SA DE CV - Laboratorio Mérida, Yucatán: Tercero Autorizado como Laboratorio de Pruebas - Autorización N° TA-64-17 - Vigencia del 2017-09-14 al 2019-09-14 - Rama Alimentos
	COMISIÓN NACIONAL DEL AGUA (CONAGUA)	11	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Delegación Álvaro Obregón, Ciudad de México: Aprobación N° CNA-GCA-1817 - Vigencia del 2018-02-09 al 2019-06-21 - Rama Agua
		12	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Tlaquepaque, Jalisco: Aprobación N° CNA-GCA-1820 - Vigencia del 2018-02-09 al 2018-12-16 - Rama Agua
		13	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Mérida, Yucatán: Aprobación N° CNA-GCA-1826 - Vigencia del 2018-02-22 al 2020-02-22 - Rama Agua
		14	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Tijuana, Baja California: Aprobación N° CNA-GCA-1818 - Vigencia del 2018-02-09 al 2019-06-21 - Rama Agua
		28	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Guadalupe, Nuevo León: Aprobación N° CNA-GCA-1819 - Vigencia del 2018-02-09 al 2019-03-01 - Rama Agua
		30	INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV - Laboratorio Matriz, Delegación Azcapotzalco - Ciudad de México: Aprobación N° CNA-GCA-1822 - Vigencia del 2018-02-09 al 2019-03-01 - Rama Agua
	PROCURADURIA FEDERAL DE PROTECCIÓN AL AMBIENTE (PROFEPA)	16	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México Aprobación N° PFPA-APR-LP-RS-002MS/2017 - Por la norma NMX-AA-132-SCFI-2016, Vigencia del 2017-07-28 al 2021-08-28 - Rama Suelos (Muestreo) Aprobación N° PFPA-APR-LP-RS-002/2017 - Por la norma NOM-138-SEMARNAT/SSA1-2012, numeral 7 - Vigencia del 2017-07-28 al 2021-07-28 - Biosólidos (Muestreo) Aprobación N° PFPA-APR-LP-RS-002A/2017 - Por la norma NOM-004-SEMARNAT-2002, Anexo II - Vigencia del 2017-07-28 al 2021-07-28 - Lodos y Biosólidos (Muestreo) Aprobación N° PFPA-APR-LP-RS-0002A/2017 - Vigencia 2017-06-15 al 2021-06-15 - Rama Suelos, Lodos y Biosólidos (Análisis)
		22	GAMATEK, SA DE CV - Laboratorio Matriz - Monterrey, Nuevo León: Aprobación N° PFPA-APR-LP-FF-028/2018 - Fecha de aprobación 2018-05-31 Rama Fuentes Fijas Aprobación N° PFPA-APR-LP-RUIDO-007/2018 - Fecha de aprobación 2018-01-22 Rama Ruido de Fuentes Fijas
		31	INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV - Laboratorio Matriz - Ciudad de México. Aprobación N° PFPA-APR-LP-RS-010MS/2017 - Vigencia del 2017-08-22 al 2021-08-22 - Rama Suelos (Muestreo) Aprobación N° PFPA-APR-LP-RS-10MR/2015 - Vigencia 2015-05-06 al 2019-05-06 - Rama Residuos (Muestreo) Aprobación N° PFPA-APR-LP-RS-010A/2016 - Vigencia 2016-06-10 al 2020-06-10 - Rama Suelos y Residuos (Análisis) Aprobación N° PFPA-APR-LP-RUIDO-012/2018 - Vigencia 2018-03-23 al 2022-03-23 - Rama Ruido de Fuentes Fijas
		17	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México Registro N° PADLA/CDMX/CA/038/AAR - Vigencia del 2018-01-31 al 2019-01-31 - Norma NADF-015-AGUA-2009 - Rama Agua
	PADRÓN DE LABORATORIOS AMBIENTALES DEL GOBIERNO DE LA CIUDAD DE MÉXICO	24	GAMATEK, SA DE CV - Laboratorio Matriz - Monterrey, Nuevo León: Registro N° PADLA/CDMX/CA/014/AGC - Vigencia del 2017-11-13 al 2018-11-13 - Norma NOM-085-SEMARNAT-2011 - Rama Gases de Combustión Registro N° PADLA/CDMX/CA/014/VM - Vigencia del 2017-11-13 al 2018-11-13 Norma NADF-004-AMBT-2004 Rama Vibraciones Mecánicas
		32	INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV - Laboratorio Matriz - Ciudad de México Registro N° PADLA/CDMX/CA/036/AAR - Vigencia del 2018-01-17 al 2019-01-17 - Norma NADF-015-AGUA-2009 - Rama Agua Registro N° PADLA/CDMX/CA/036/RD - Vigencia del 2018-01-11 al 2019-01-11 Norma NADF-005-AMBT-2013 Rama Ruido Perimetral
		18	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México Registro N° MEX/ORD/REDL/A6/AE/MER/2012-2013 - Vigencia del 2012-04-01 al 2013-04-01 - Rama Fuentes Fijas Los Gobiernos del Estado de México y Querétaro no han vuelto a publicar una Convocatoria para formar parte de la Red de Laboratorios Ambientales. La última convocatoria fue el 2011-11-29. Se desconoce si se emitirá una nueva Convocatoria.
	GOBIERNOS DEL ESTADO DE MEXICO Y QUERÉTARO	20	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Tijuana, Baja California: Registro No. SPA-LAMB-002/04 Vigencia del 2017-01-13 a la próxima convocatoria - Rama Fuentes Fijas y Agua GAMATEK, SA DE CV - Laboratorio Matriz - Monterrey, Nuevo León: Aprobación N° LPSTPS-029/17 - Vigencia a partir del 2017-08-24 Agentes Físicos Ambiente Laboral Aprobación N° LPSTPS-029/2018 - Vigencia a partir del 2018-03-22 Agentes Químicos Ambiente Laboral
	GOBIERNO DEL ESTADO DE BAJA CALIFORNIA	33	INTERTEK TESTING SERVICES DE MÉXICO, SA DE CV - Laboratorio Matriz - Ciudad de México. Aprobación N° LPSTPS-083/16 - Vigencia a partir del 2016-08-22 y 2011-08-22 Agentes Físicos Ambiente Laboral
	SECRETARIA DEL TRABAJO Y PREVISION SOCIAL	25	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Sucursal - Monterrey, Nuevo León: Registro No. PSSA-14/2018 Vigencia del 2018-02-12 al 2019-01-31 - Rama Agua
AGUAS DE SALTILLO	26	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Sucursal - Monterrey, Nuevo León: Registro No. PS-01-LAB-18 (2018) Vigencia del 2018-01-31 al 2019-01-31 - Rama Agua	
RAMOS ARIZPE	34	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México: Registro N° JMAS-NORM-615/18 - Vigencia del 2018-02-09 al 2019-01-31 - Rama Agua	
JUNTA MUNICIPAL DE AGUA Y SANEAMIENTO DE JUÁREZ, CIUDAD JUÁREZ, CHIHUAHUA	36	LABORATORIOS ABC QUIMICA INVESTIGACIÓN Y ANÁLISIS, SA DE CV - Laboratorio Matriz, Ciudad de México Registro Rama de Agua No. JMA-PSMA-024-99 - Vigencia 2017-12-09 al 2018-12-08 - Muestreo y No. JMA-PSAL-024-100 - Vigencia del 2017-12-09 al 2018-12-08 - Análisis	
JUNTA MUNICIPAL DE AGUA Y SANEAMIENTO DE CHIHUAHUA, CHIHUAHUA	A	Prueba no acreditada ni autorizada o aprobada por alguna institución o dependencia, sin embargo el análisis se realiza de acuerdo a los requerimientos marcados en nuestro Sistema de Gestión de Calidad, Responsabilidad Social y Tecnología, el cual está basado en la Norma NMX-EC-17025-IMNC-2006.	
Notas para casos especiales:	B	Parámetro que por ser una preparación de muestra no requiere ser acreditado ni aprobado o autorizado de acuerdo con los procedimientos internos tanto de la ema a.c. como de las respectivas dependencias gubernamentales. Estas preparaciones son parte del proceso analítico.	
	C	El resultado reportado en este parámetro proviene de un cálculo que involucra resultados de otros parámetros que si fueron analizados en la muestra. No se indica ningún reconocimiento ya que esto aplica sólo para los parámetros que se cuantifican a través de una prueba.	

En la columna AA se indica la clave que liga con el laboratorio que realizó la prueba y el reconocimiento legal que lo ampara (ver apartado Reconocimientos Legales)

CROMATOGRAMAS

**PLAGUICIDAS
FOSFORADOS**

Data Path : D:\2018\22AG18\
 Data File : SV021.D
 Acq On : 23 Aug 2018 2:22 pm (#1); 23 Aug 2018 14:19 pm (#2)
 Operator : BCI/BGJ
 Sample : 832268-1
 Misc : EXT-2013-22p49 BCI BGJ CLB
 ALS Vial : 18 Sample Multiplier: 0.114501

Quant Time: Aug 23 17:11:56 2018
 Quant Method : D:\METHODS\OFOSF_22AG18(500 a 4000).M
 Quant Title :
 QLast Update : Thu Aug 23 16:21:51 2018
 Response via : Initial Calibration

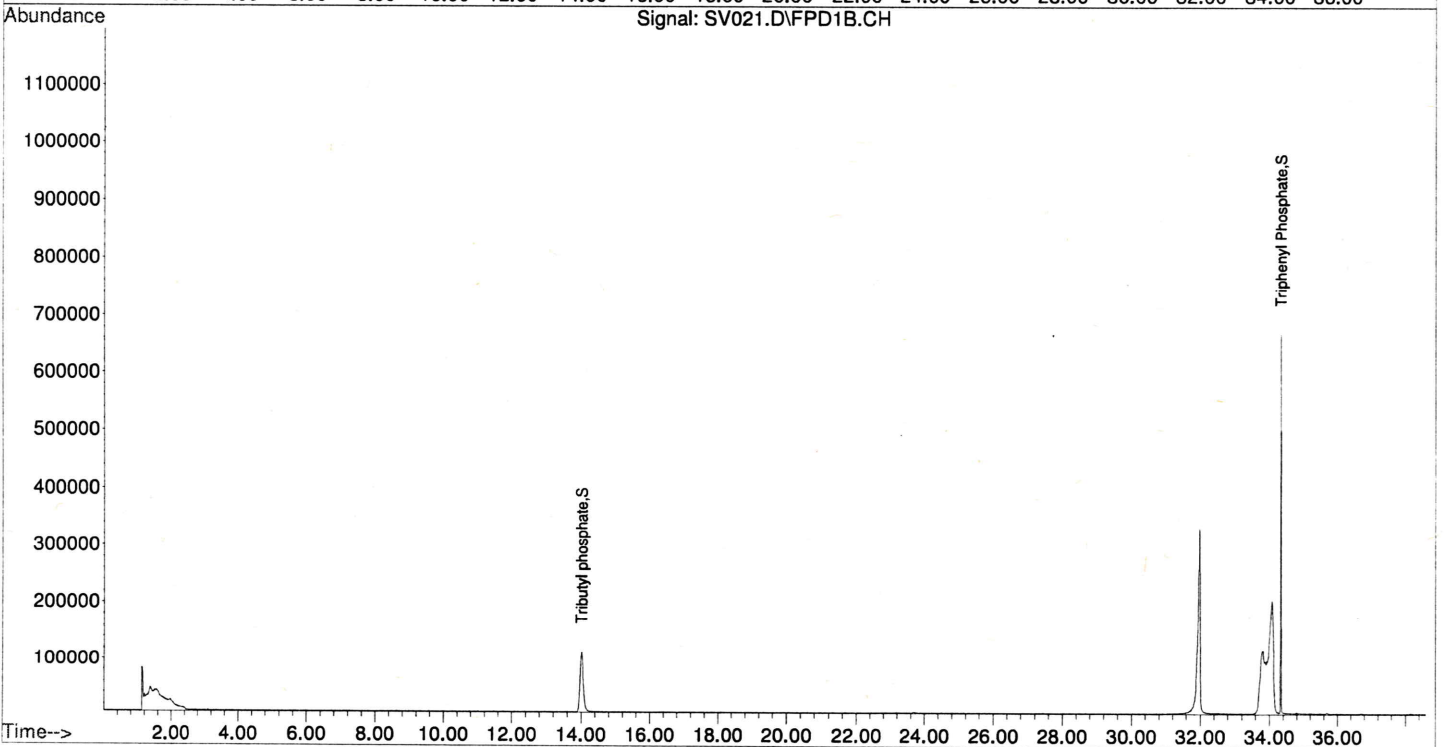
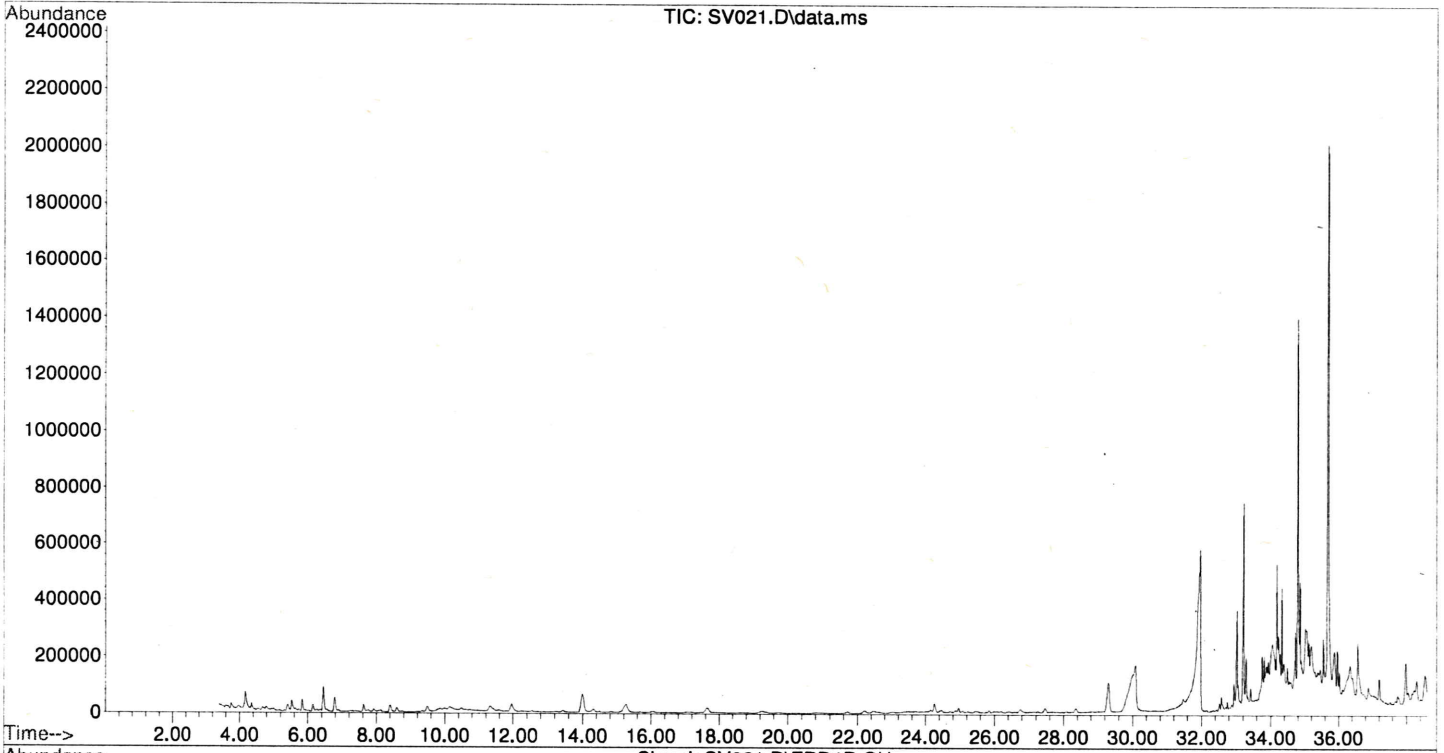
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

System Monitoring Compounds						
5) Tributyl phosphate	14.017	GC1	6648379	1411.94	µg/L	
Spiked Amount	1500.000			Recovery	=	94.13%
26) Triphenyl Phosphate	34.329	GC1	6190433	1546.48	µg/L	
Spiked Amount	1500.000			Recovery	=	103.10%
Target Compounds						
1) Dichlorvos (DDVP)	0.000		0			N.D.
2) Mevinphos	0.000		0			N.D.
3) Demeton-S	0.000		0			N.D.
4) Etonoprophos	0.000		0			N.D.
6) Naled	0.000		0			N.D.
7) Sulfotep	0.000		0			N.D.
8) Phorate	0.000		0			N.D.
9) Dimethoate	0.000		0			N.D.
10) Demeton-O	0.000		0			N.D.
11) Terbufos	0.000		0			N.D.
12) Diazinon	0.000		0			N.D.
13) Disulfoton	0.000		0			N.D.
14) Methyl Parathion	0.000		0			N.D.
15) Ronnel	0.000		0			N.D.
16) Malathion	0.000		0			N.D.
17) Chlorpyrifos	0.000		0			N.D.
18) Fenthion	0.000		0			N.D.
19) Ethyl Parathion	0.000		0			N.D.
20) Trichloronat	0.000		0			N.D.
21) Stirophos (Tetrachloro...	0.000		0			N.D.
22) Tokuthion (Prothiofos)	0.000		0			N.D.
23) Merphos	0.000		0			N.D.
24) Fensulfothion	0.000		0			N.D.
25) Bolstar (Sulprofos)	0.000		0			N.D.
27) EPN	0.000		0			N.D.
28) Azinphos Methyl (Guthion)	0.000		0			N.D.
29) Coumaphos	0.000		0			N.D.

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\2018\22AG18\
Data File : SV021.D
Acq On : 23 Aug 2018 2:22 pm (#1); 23 Aug 2018 14:19 pm (#2)
Operator : BCI/BGJ
Sample : 832268-1
Misc : EXT-2013-22p49 BCI BGJ CLB
ALS Vial : 18 Sample Multiplier: 0.114501

Quant Time: Aug 23 17:11:56 2018
Quant Method : D:\METHODS\OFOSF_22AG18(500 a 4000).M
Quant Title :
QLast Update : Thu Aug 23 16:21:51 2018
Response via : Initial Calibration



CROMATOGRAMAS

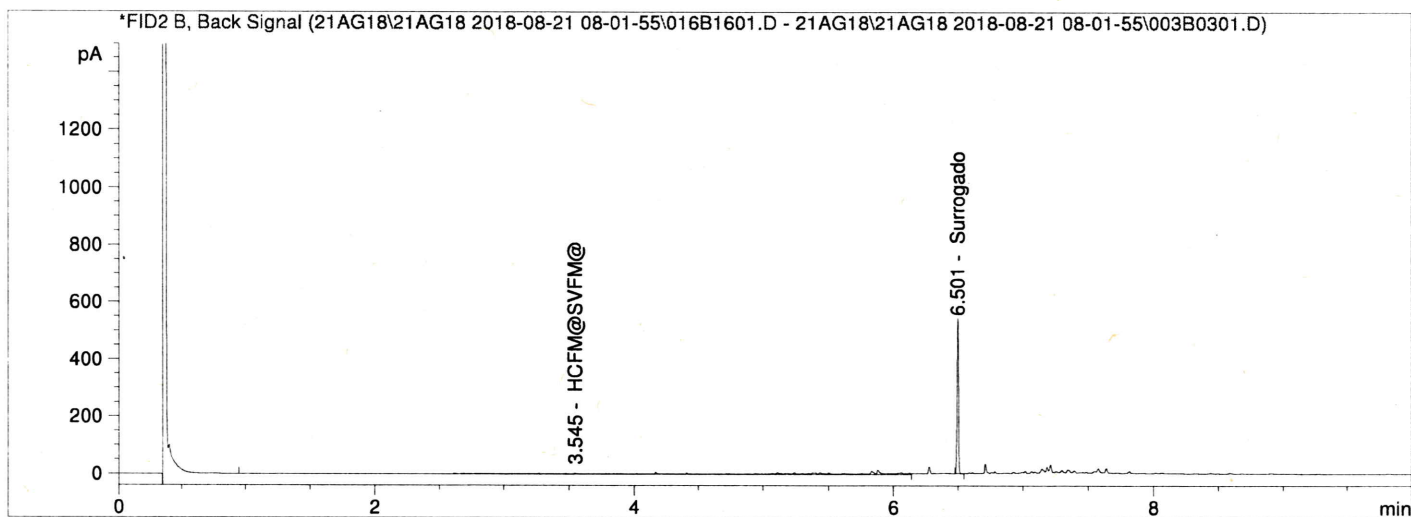
DETERMINACION DE HIDROCARBURO FRACCION MEDIA

Sample Name: 832268-1

```

=====
Acq. Operator   : TNE                               Seq. Line :   16
Acq. Instrument : Instrument 1                       Location  : Vial 16
Injection Date  : 21/08/2018 12:21:51              Inj       :    1
                                                    Inj Volume: 1 µl
Acq. Method     : D:\CHEM32\1\DATA\21AG18\21AG18 2018-08-21 08-01-55\FMN2C.M
Last changed    : 21/08/2018 11:02:49              by TNE
                (modified after loading)
Analysis Method  : C:\CHEM32\1\METHODS\BACK27FB18S.M
Last changed    : 21/08/2018 07:13:05              by TNE
                (modified after loading)
Method Info     : Análisis Hidrocarburos Fracción Media. Columna HP-5 19091J-413#Inv.SVO-2012-
                19-06/11 C.C 502.3 A 5023.0 mg/L SVO-2014-03-54/08 A 12 CC/HCFM/CRG024/
                BACK27FB18S.M

Sample Info     : PREPARACION 20/08/2018, EXT-2018-21 PAG. 042
=====
    
```



External Standard Report

```

Sorted By           : Signal
Calib. Data Modified : 20/08/2018 08:51:32
Multiplier          : 6.660e-2
Dilution            : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Signal 1: FID2 B, Back Signal
 Signal has been modified after loading from rawdata file!

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [mg/Kg]	Grp	Name
3.545	BBA+	300.34564	9.52220e-1	19.04727		HCFM@SVFM@
6.501	HH	424.26511	3.76408e-1	10.63581		Surrogado

Totals : 29.68308

*** End of Report ***

CROMATOGRAMAS

**COMPUESTOS
ORGANICOS
SEMIVOLATILES**

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2018\AG18\20AG18\
 Data File : SV017.D
 Acq On : 20 Aug 2018 11:50 pm
 Operator : MAS
 Sample : 832268-1
 Misc : SVOCS SUELO EXT-2018-14p17 MAS 2018-08-20
 ALS Vial : 16 Sample Multiplier: 0.06667

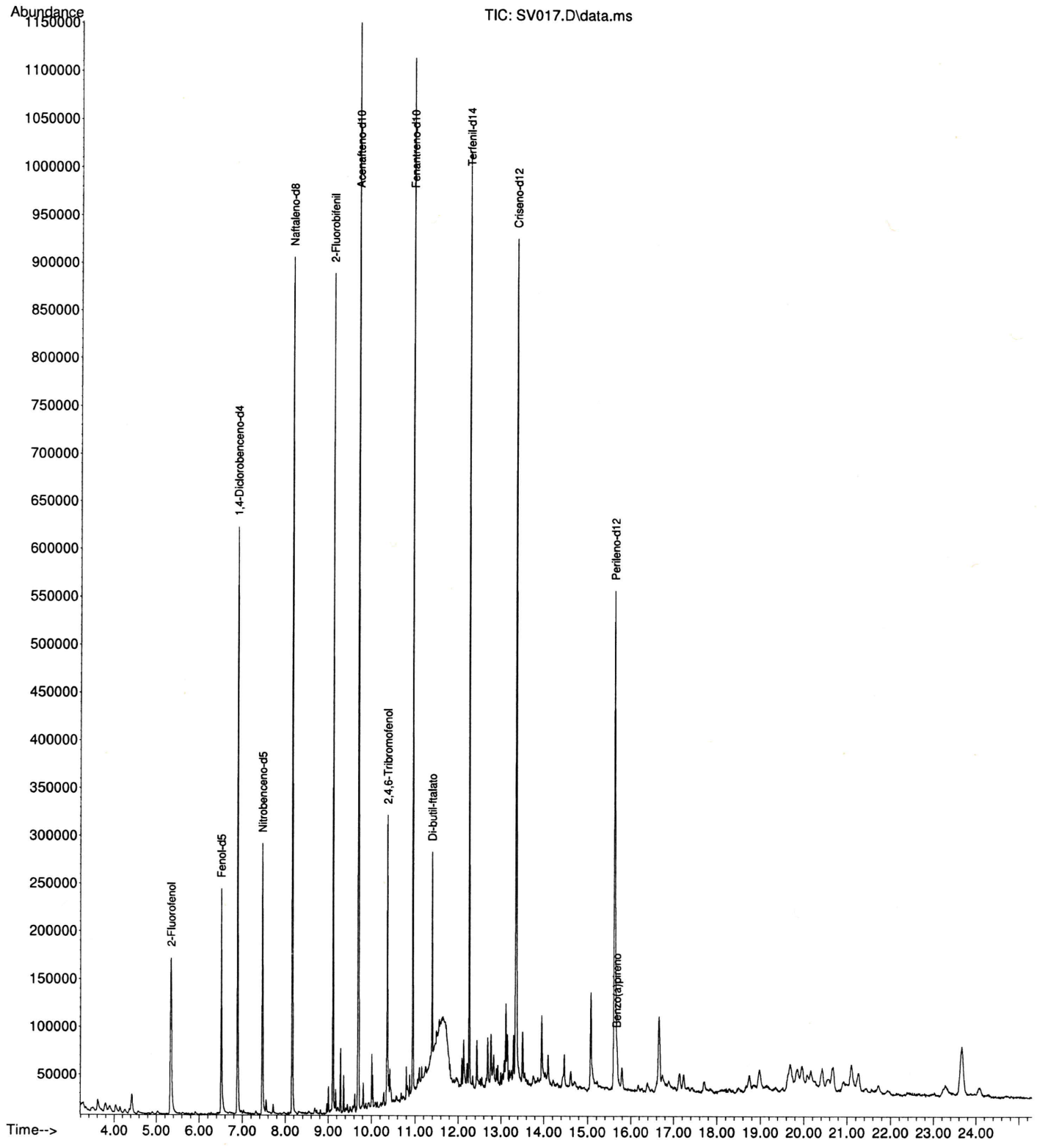
Quant Time: Aug 21 13:08:43 2018
 Quant Method : C:\msdchem\1\METHODS\2018 SVOCS\SVOCS-JL18-01.M
 Quant Title : ITSA CRG011
 QLast Update : Wed Jul 04 18:46:50 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Diclorobenceno-d4	6.884	152	1380985	20.05	µg/mL	0.00
28) Naftaleno-d8	8.157	136	5073840	20.05	µg/mL	0.00
43) Acenafteno-d10	9.697	164	2958683	20.05	µg/mL	0.00
62) Fenantreno-d10	10.944	188	4937623	20.05	µg/mL	0.00
71) Criseno-d12	13.354	240	4726930	20.05	µg/mL	0.00
78) Perileno-d12	15.622	264	4607215	20.05	µg/mL	0.01
System Monitoring Compounds						
4) 2-Fluorofenol	5.337	112	1166988	12.82	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	79.93%	
5) Fenol-d5	6.507	99	1409174	12.75	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	79.49%	
19) Nitrobenceno-d5	7.463	82	1149905	14.80	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	92.27%	
37) 2-Fluorobifenil	9.111	172	3139074	16.81	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	104.80%	
58) 2,4,6-Tribromofenol	10.362	330	503109	15.78	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	98.38%	
68) Terfenil-d14	12.261	244	3632542	17.21	µg/mL	0.00
Spiked Amount	16.040		Recovery	=	107.29%	
Target Compounds						
						Qvalue
2) Piridina	0.000		0		N.D.	
3) N-nitrosodimetilamina	0.000		0		N.D.	
6) Anilina	0.000		0		N.D.	
7) Fenol	0.000		0		N.D.	
8) Bis(2-cloroetil)eter	0.000		0		N.D.	
9) 2-Clorofenol	0.000		0		N.D.	
10) 1,3-diclorobenceno	0.000		0		N.D.	
11) 1,4-Diclorobenceno	0.000		0		N.D.	
12) 1,2-Diclorobenceno	0.000		0		N.D.	
13) Alcohol bencilico	0.000		0		N.D.	
14) o-metilfenol	0.000		0		N.D.	
15) Bis(2-cloroisopropil)eter	0.000		0		N.D.	
16) Hexacloroetano	0.000		0		N.D.	
17) N-nitroso-di-n-propila...	0.000		0		N.D.	
18) m,p-Metilfenol	0.000		0		N.D.	
20) Nitrobenceno	0.000		0		N.D.	
21) Isoforona	0.000		0		N.D.	
22) 2-Nitrofenol	0.000		0		N.D.	
23) 2,4-Dimetilfenol	0.000		0		N.D.	
24) Bis(2-cloroetoxi)metano	0.000		0		N.D.	
25) 2,4-Diclorofenol	0.000		0		N.D.	
26) Acido-Benzoico	0.000		0		N.D.	
27) 1,2,4-Triclorobenceno	0.000		0		N.D.	
29) Naftaleno	0.000		0		N.D.	
30) 4-Cloroanilina	0.000		0		N.D.	
31) Hexaclorobutadieno	0.000		0		N.D.	
32) 4-Cloro-3-metilfenol	0.000		0		N.D.	
33) 2-Metilnaftaleno	0.000		0		N.D.	
34) Hexaclorociclopentadieno	0.000		0		N.D.	

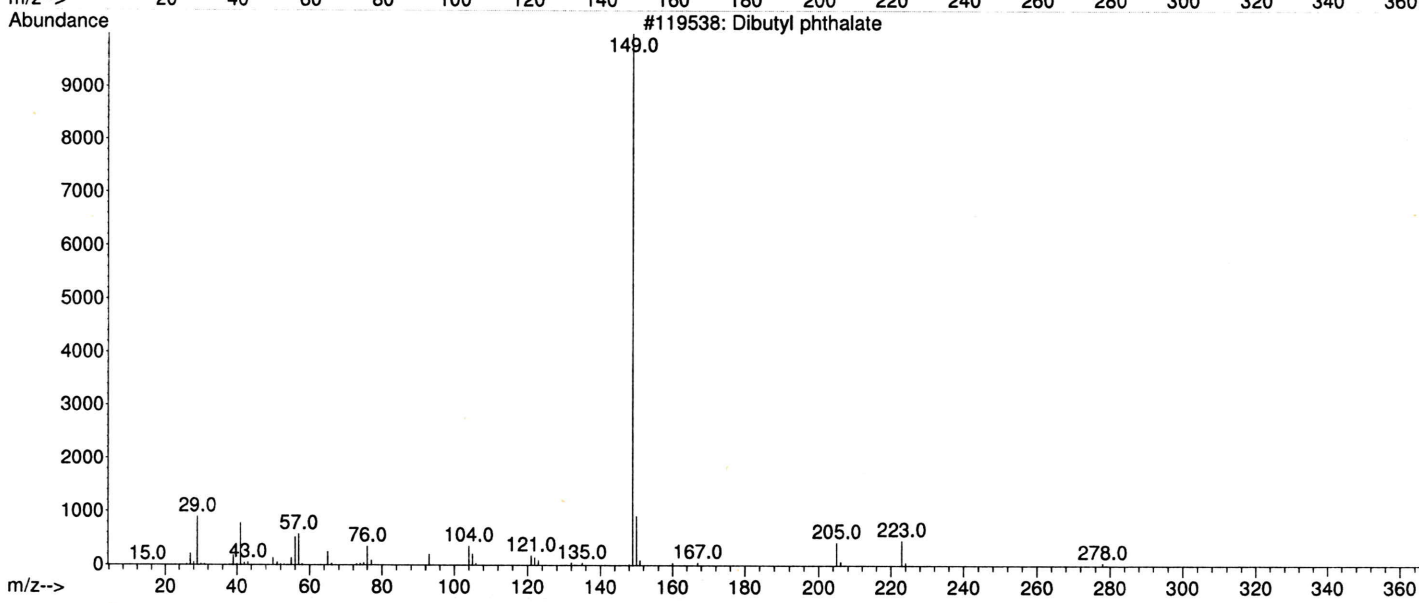
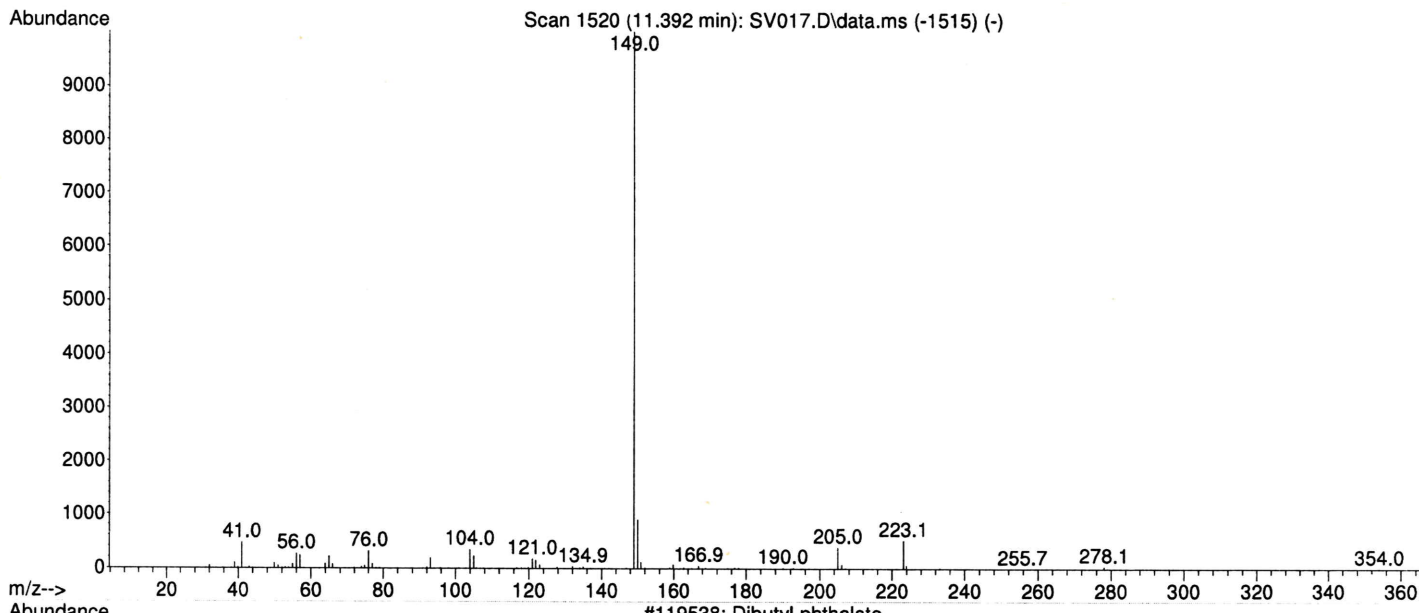
35)	2,4,6-Triclorofenol	0.000		0	N.D.	
36)	2,4,5-Triclorofenol	0.000		0	N.D.	
38)	2-Cloronaftaleno	0.000		0	N.D.	
39)	2-Nitroanilina	0.000		0	N.D.	
40)	Di-metil ftalato	0.000		0	N.D.	
41)	2,6-Dinitrotolueno	0.000		0	N.D.	
42)	Acenaftileno	0.000		0	N.D.	
44)	3-Nitroanilina	0.000		0	N.D.	
45)	Acenafteno	0.000		0	N.D.	
46)	2,4-Dinitrofenol	0.000		0	N.D.	
47)	4-Nitrofenol	0.000		0	N.D.	
48)	Dibenzofurano	0.000		0	N.D.	
49)	2,4-Dinitrotolueno	0.000		0	N.D.	
50)	2,3,4,6-Tetraclorofenol	0.000		0	N.D.	
51)	Di-etil-ftalato	0.000		0	N.D.	
52)	Fluoreno	0.000		0	N.D.	
53)	4-Clorofenil-fenil-eter	0.000		0	N.D.	
54)	4-Nitroanilina	0.000		0	N.D.	
55)	4,6-Dinitro-2-metilfenol	0.000		0	N.D.	
56)	n-nitroso-difenilamina	0.000		0	N.D.	
57)	1,2-Difenilhidrazina	0.000		0	N.D.	
59)	4-Bromofenil-fenileter	0.000		0	N.D.	
60)	Hexaclorobenceno	0.000		0	N.D.	
61)	Pentaclorofenol	0.000		0	N.D.	
63)	Fenantreno	0.000		0	N.D.	
64)	Antraceno	0.000		0	N.D.	
65)	Di-butil-ftalato	11.391	149	1125787	0.26 mg/Kg	99
66)	Fluoranteno	0.000		0	N.D.	
67)	Pireno	0.000		0	N.D.	
69)	Butil-benzil-ftalato	0.000		0	N.D.	
70)	Benzo[a]antraceno	0.000		0	N.D.	
72)	Criseno	0.000		0	N.D.	
73)	Bis(2-etilhexil)ftalato	0.000		0	N.D.	
74)	Di-n-octil-ftalato	0.000		0	N.D.	
75)	Benzo(b)fluoranteno	0.000		0	N.D.	
76)	Benzo(K)fluoranteno	0.000		0	N.D.	
77)	Benzo(a)pireno	15.673	252	323982	0.09 mg/Kg	98
79)	Indeno[1,2,3-cd]pireno	0.000		0	N.D.	
80)	Dibenzo[a,h]antraceno	0.000		0	N.D.	
81)	Benzo[g,h,i]perileno	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

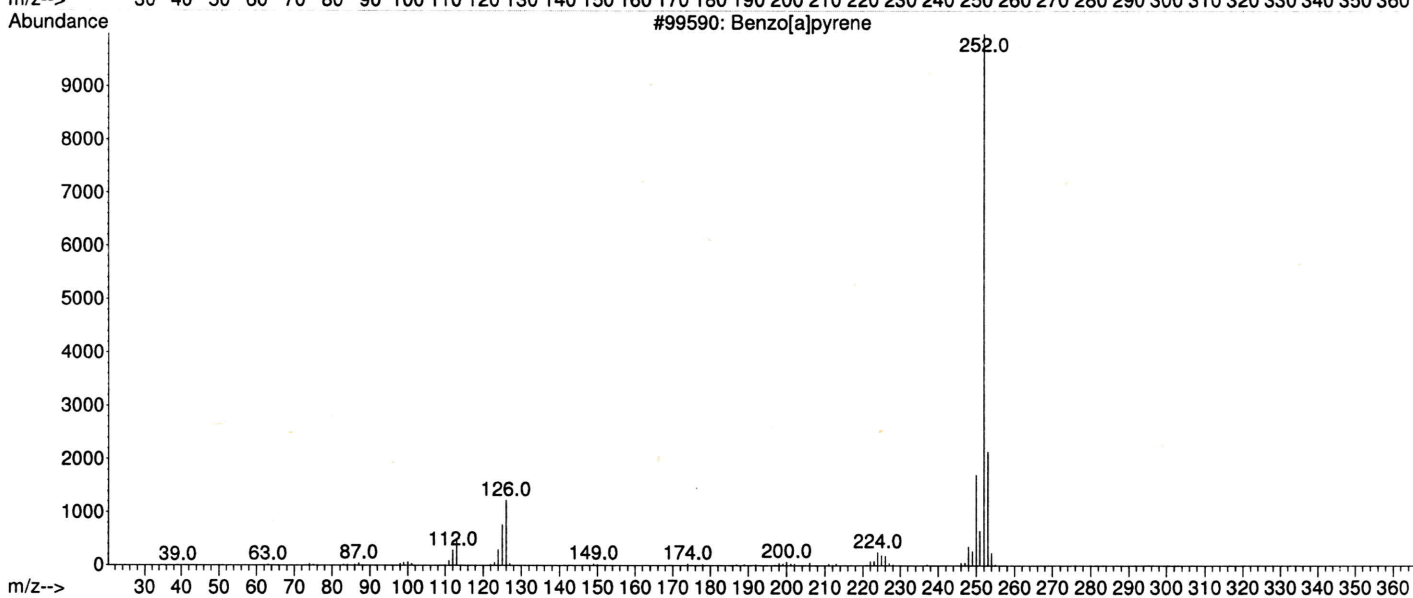
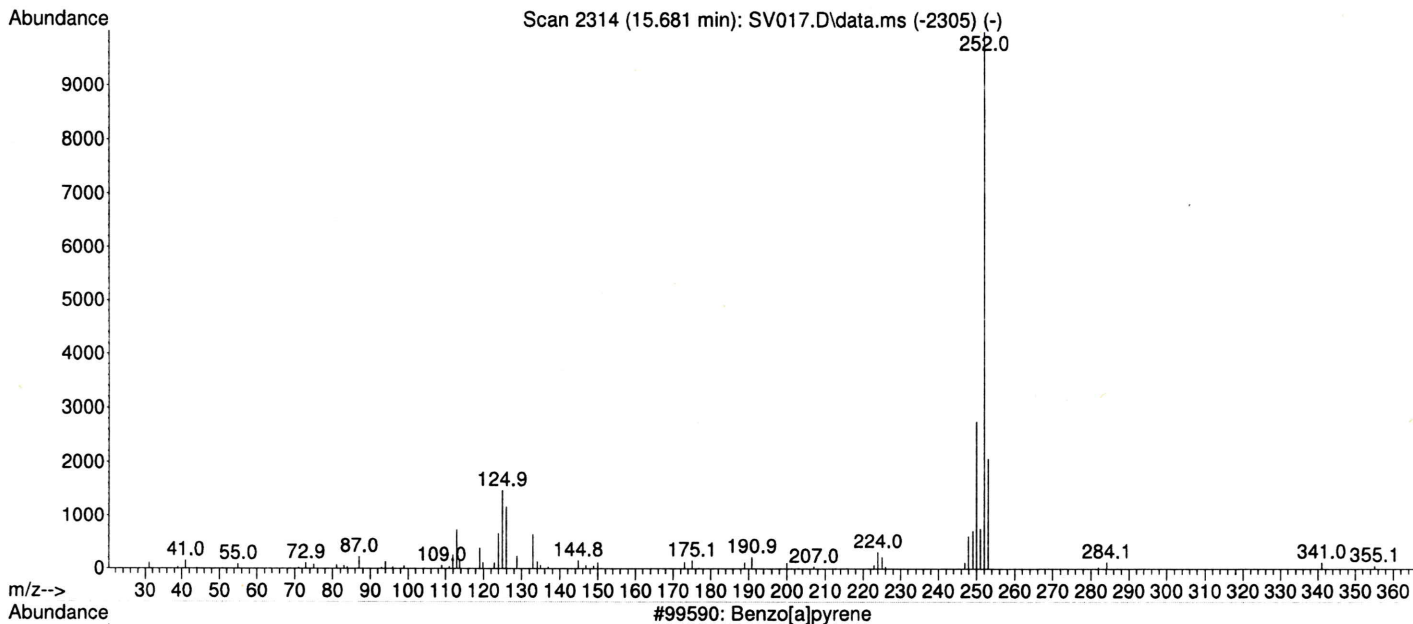
File :C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Operator : MAS
Acquired : 20 Aug 2018 11:50 pm using AcqMethod SVOCS.M
Instrument : ITSA CRG 011
Sample Name: 832268-1
Misc Info : SVOCS SUELO EXT-2018-14p17 MAS 2018-08-20
Vial Number: 16



Library Searched : C:\Database\NIST08.L
Quality : 94
ID : Dibutyl phthalate



Library Searched : C:\Database\NIST08.L
Quality : 81
ID : Benzo[a]pyrene

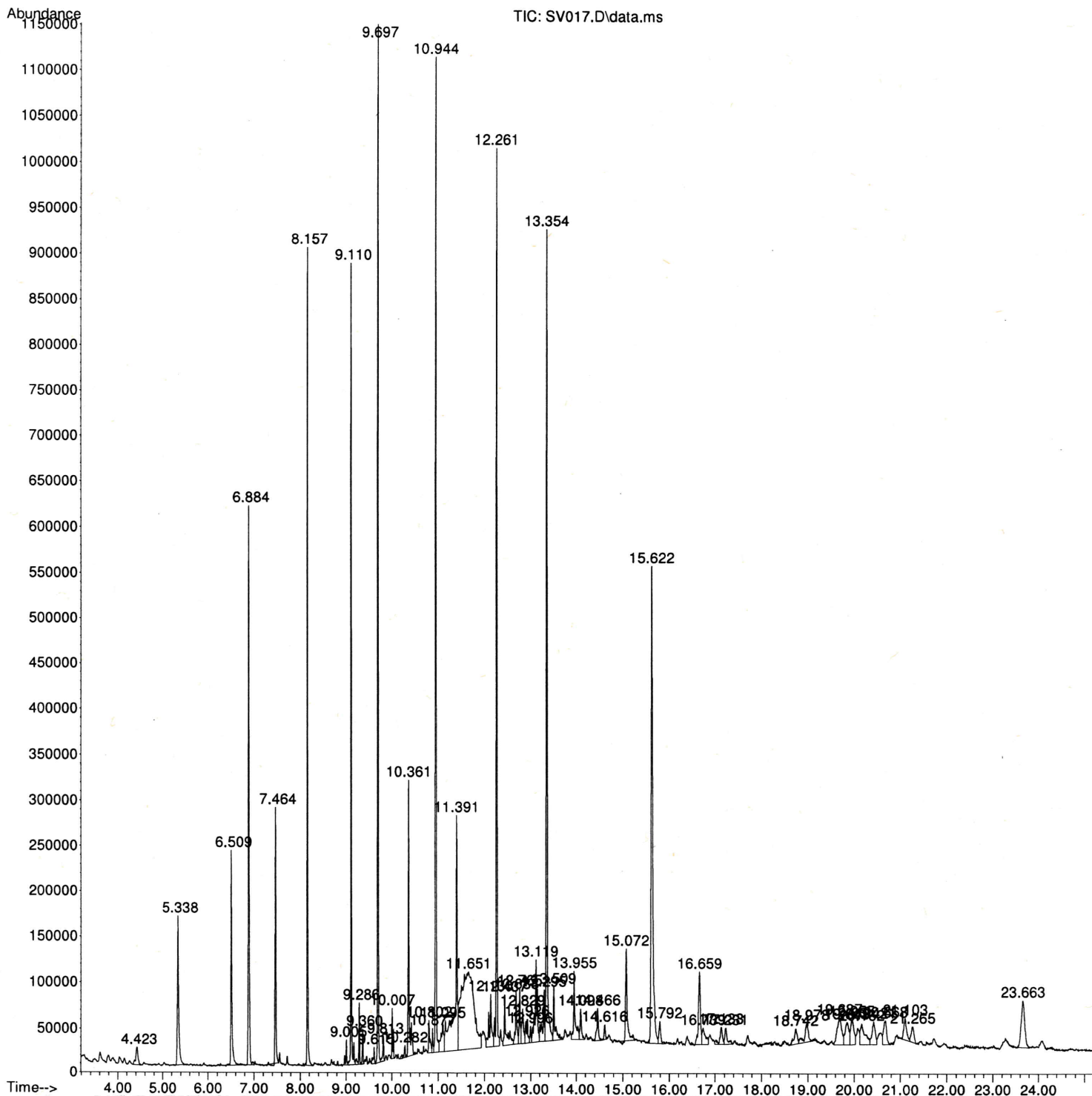


Library Search Report

Data Path : C:\msdchem\1\DATA\2018\AG18\20AG18\
Data File : SV017.D
Acq On : 20 Aug 2018 11:50 pm
Operator : MAS
Sample : 832268-1
Misc : SVOCS SUELO EXT-2018-14p17 MAS 2018-08-20
ALS Vial : 16 Sample Multiplier: 0.06667

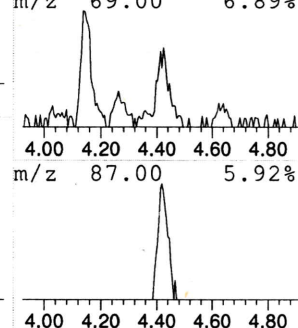
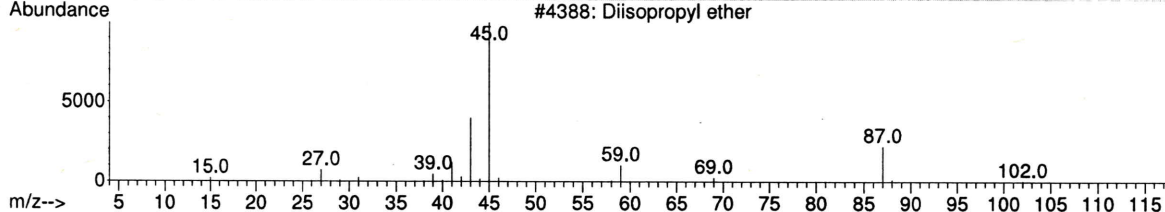
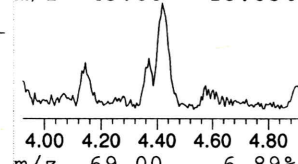
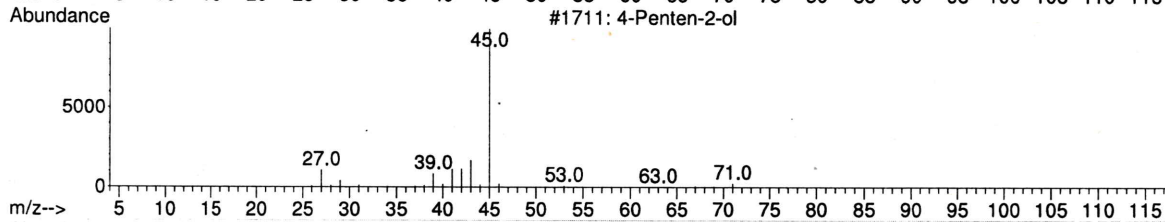
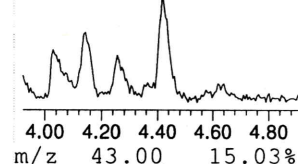
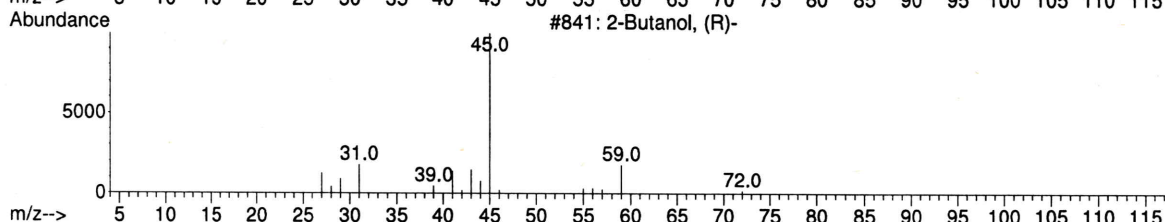
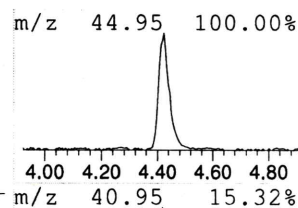
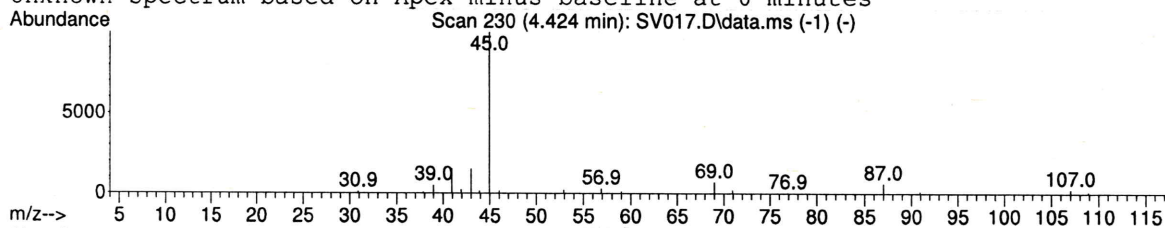
Search Libraries: C:\Database\NIST08.L Minimum Quality: 0

Unknown Spectrum: Apex minus baseline at 0 minutes
Integration Events: ChemStation Integrator - autoint1.e



Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D

Sample : 832268-1

Peak Number: 1 at 4.424 min Area: 705318 Area % 0.41

The 3 best hits from each library.

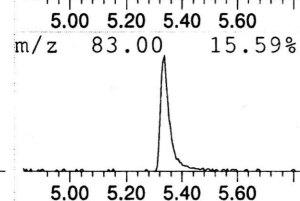
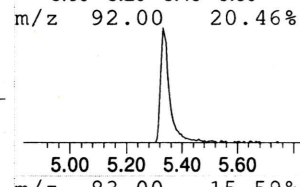
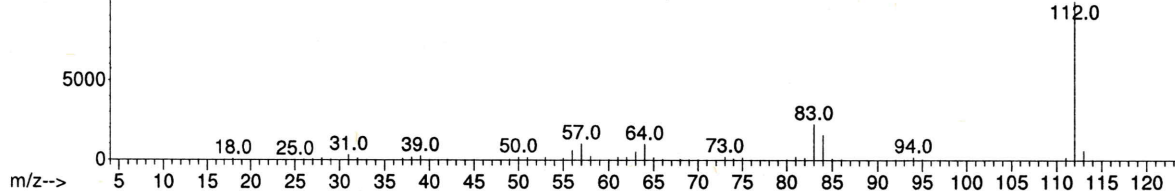
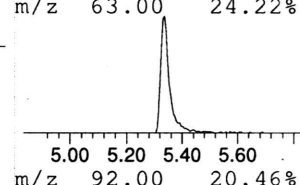
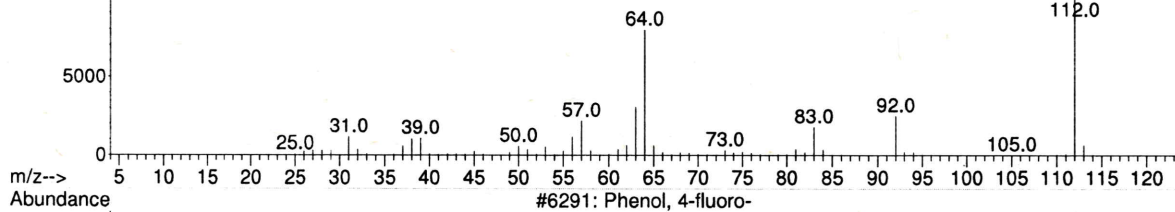
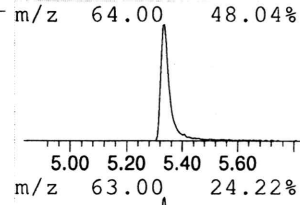
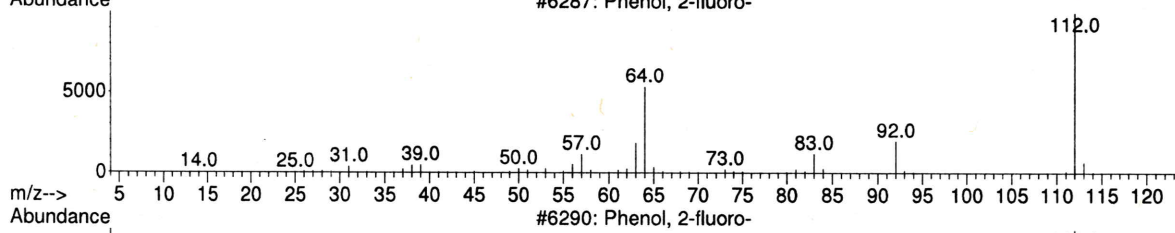
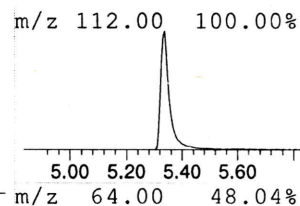
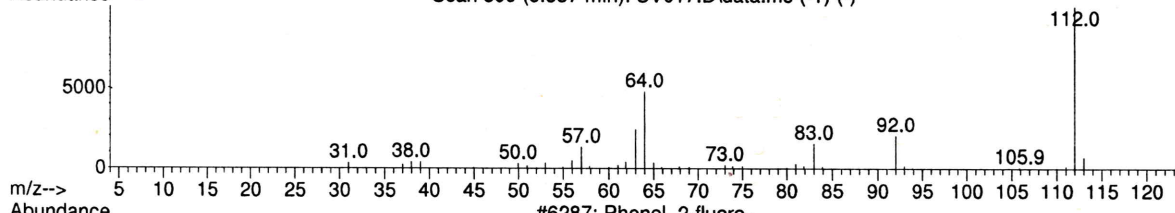
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	841 014898-79-4	39
2	1711 000625-31-0	9
3	4388 000108-20-3	9

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
 Scan 399 (5.337 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
 Sample : 832268-1

Peak Number: 2 at 5.337 min Area: 3659233 Area % 2.10

The 3 best hits from each library.

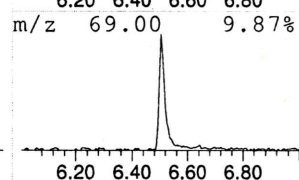
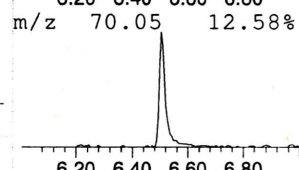
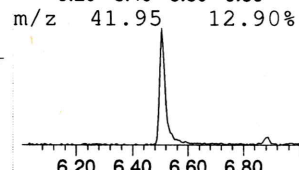
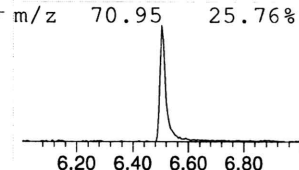
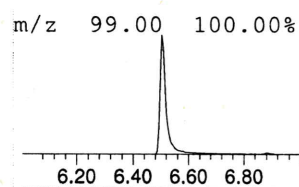
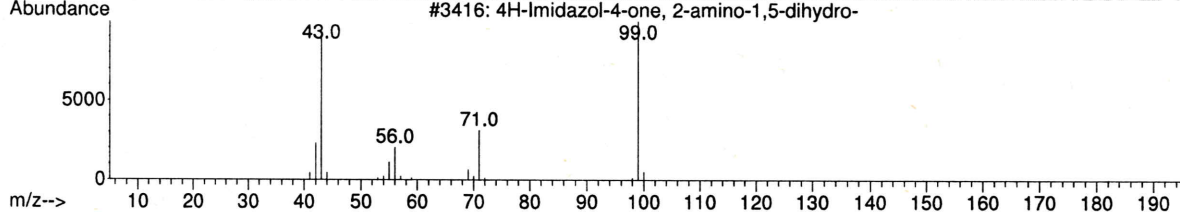
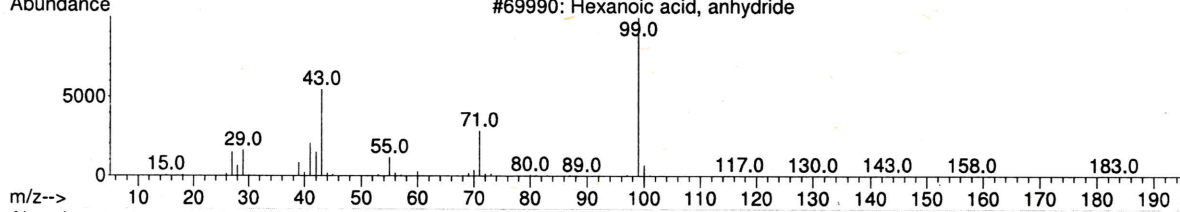
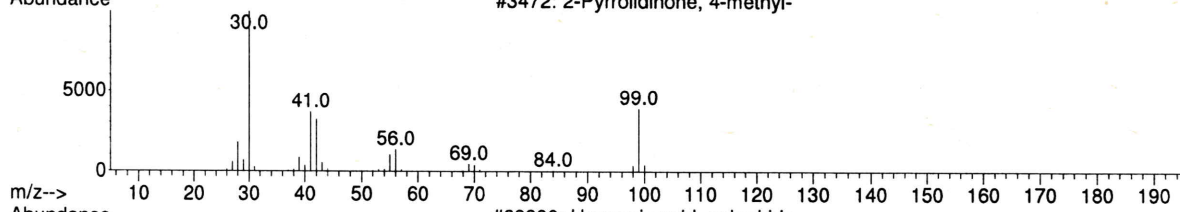
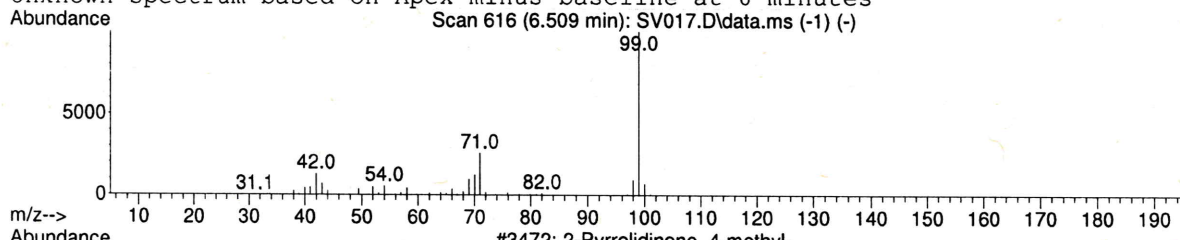
Ref\# CAS\# Qual

C:\Database\NIST08.L

1	Phenol, 2-fluoro-	6287	000367-12-4	94
2	Phenol, 2-fluoro-	6290	000367-12-4	91
3	Phenol, 4-fluoro-	6291	000371-41-5	25

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
 Sample : 832268-1

Peak Number: 3 at 6.509 min Area: 3705582 Area % 2.13

The 3 best hits from each library.

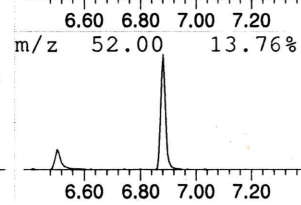
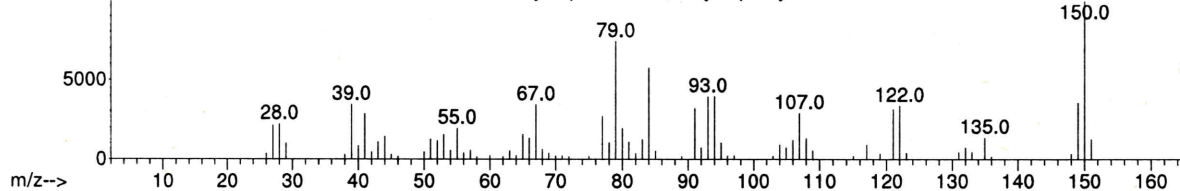
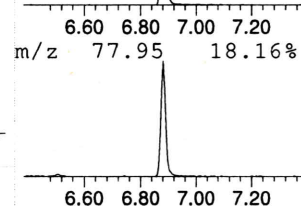
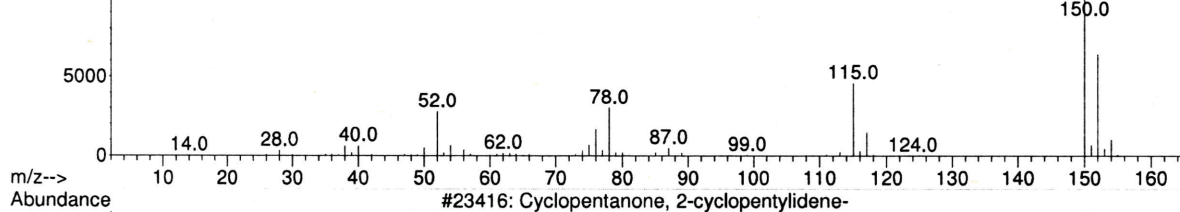
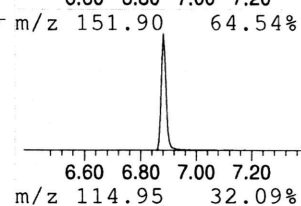
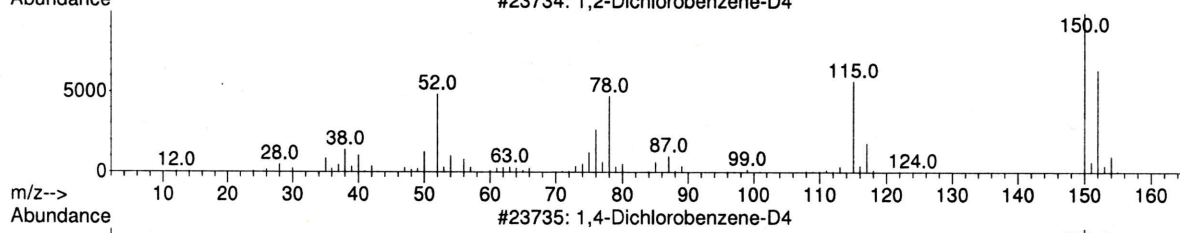
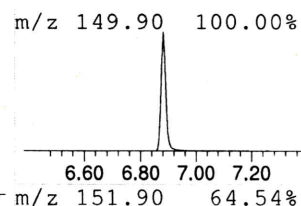
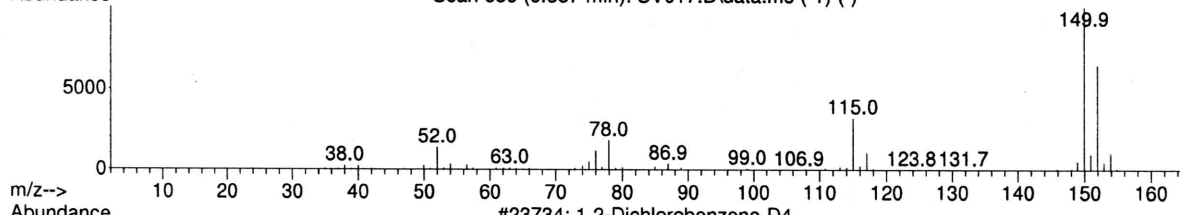
Ref\# CAS\# Qual

C:\Database\NIST08.L

Rank	Library Name	Ref\#	CAS\#	Qual
1	2-Pyrrolidinone, 4-methyl-	3472	1000197-00-3	53
2	Hexanoic acid, anhydride	69990	002051-49-2	45
3	4H-Imidazol-4-one, 2-amino-1,5-d...	3416	000503-86-6	45

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 686 (6.887 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 4 at 6.887 min Area: 7783646 Area % 4.47

The 3 best hits from each library.

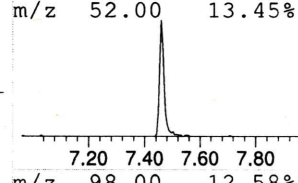
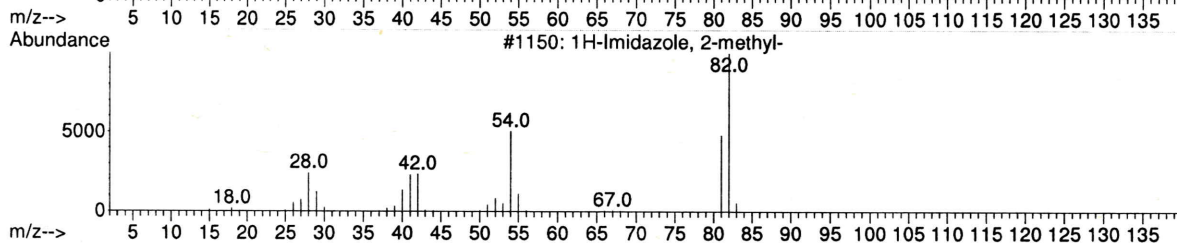
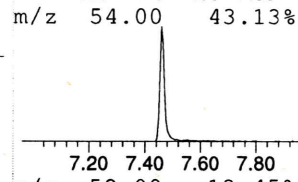
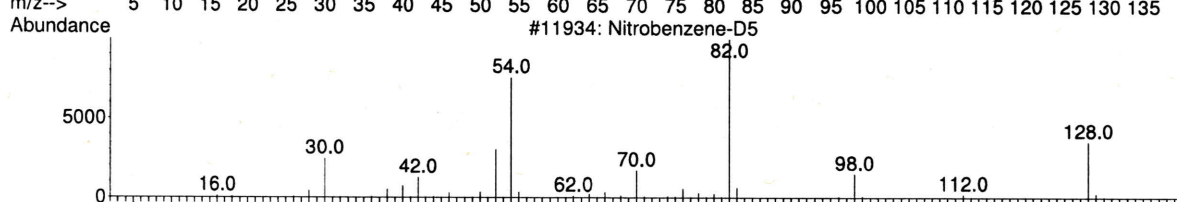
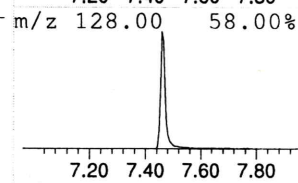
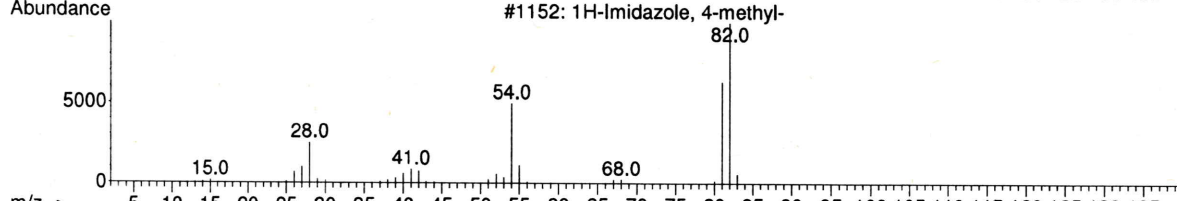
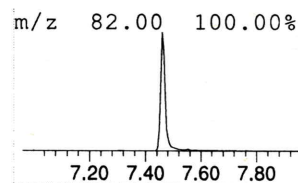
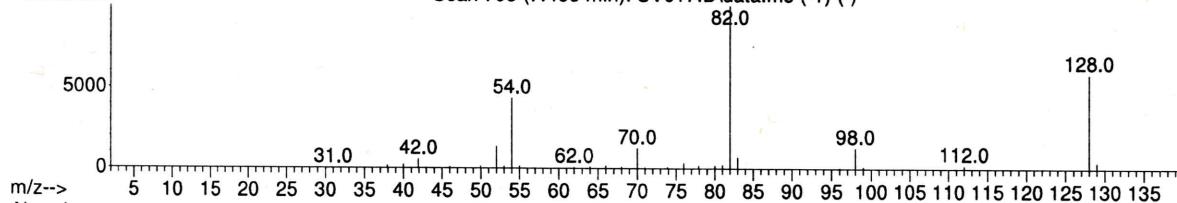
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	23734 002199-69-1	94
2	23735 003855-82-1	91
3	23416 000825-25-2	38

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 793 (7.465 min): SV017.D\data.ms (-) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

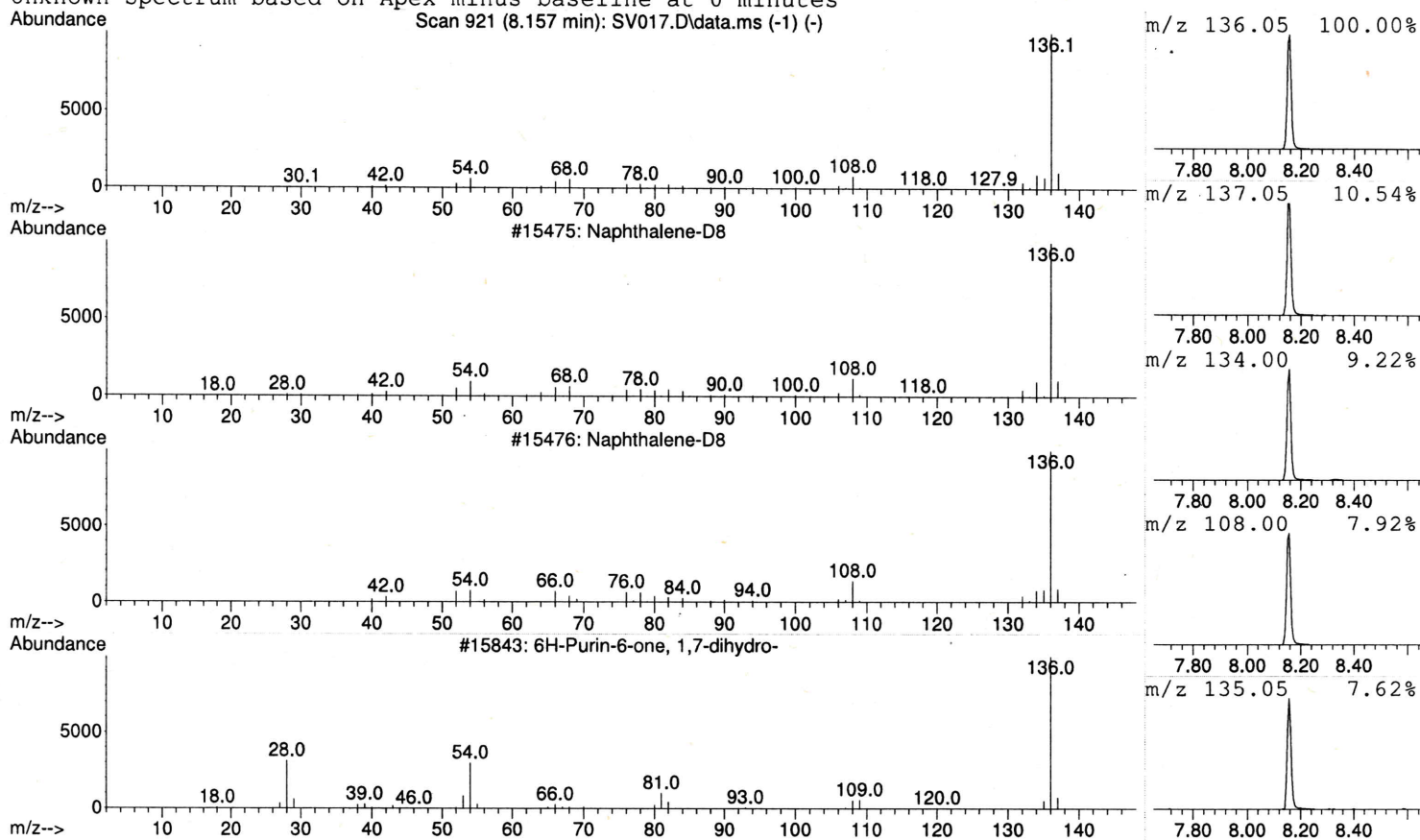
Peak Number: 5 at 7.465 min Area: 3139212 Area % 1.80

The 3 best hits from each library.

Ref\#	CAS\#	Qual
C:\Database\NIST08.L		
1	1152 000822-36-6	38
2	11934 004165-60-0	38
3	1150 000693-98-1	28

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 921 (8.157 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 6 at 8.157 min Area: 9951107 Area % 5.72

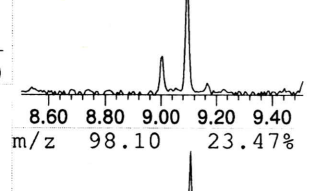
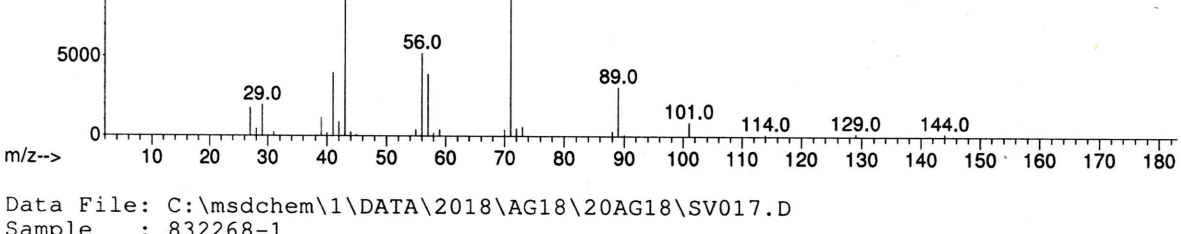
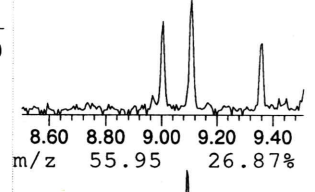
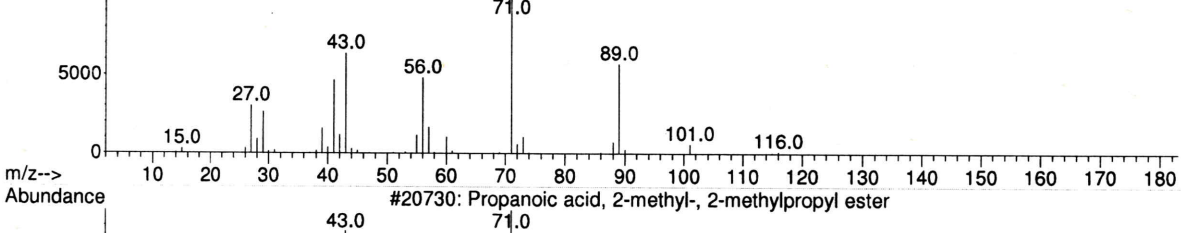
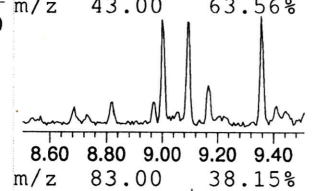
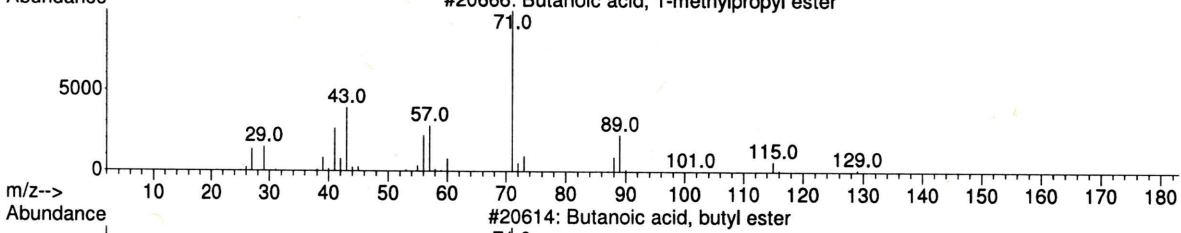
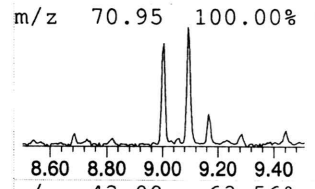
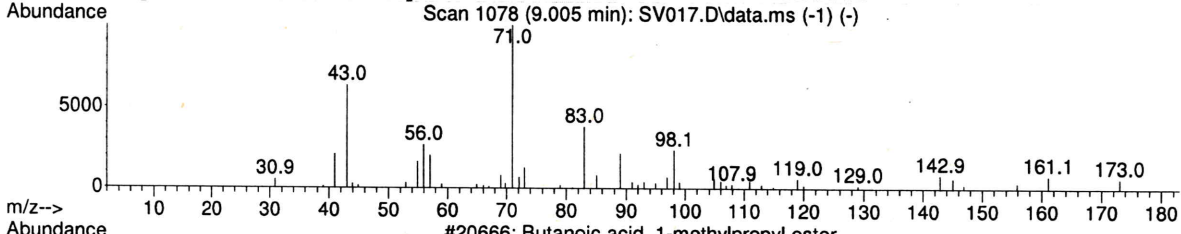
The 3 best hits from each library.

Ref\#	CAS\#	Qual

C:\Database\NIST08.L		
1	15475 001146-65-2	91
2	15476 001146-65-2	91
3	15843 000068-94-0	72

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
 Sample : 832268-1

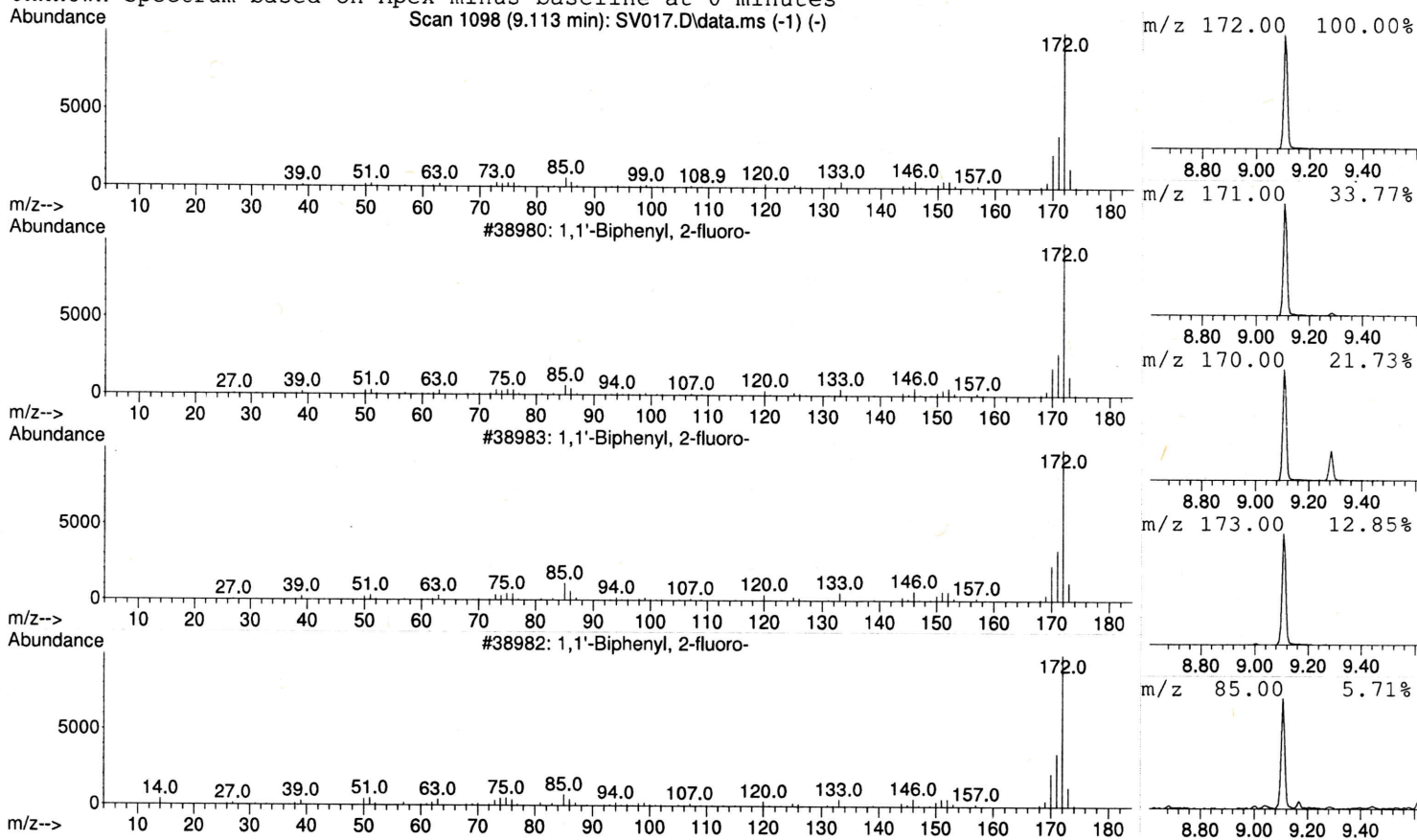
Peak Number: 7 at 9.005 min Area: 427919 Area % 0.25

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Butanoic acid, 1-methylpropyl ester	20666	000819-97-6	47
2 Butanoic acid, butyl ester	20614	000109-21-7	32
3 Propanoic acid, 2-methyl-, 2-met...	20730	000097-85-8	27

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1098 (9.113 min): SV017.D\data.ms (-) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 8 at 9.113 min Area: 9061253 Area % 5.21

The 3 best hits from each library.

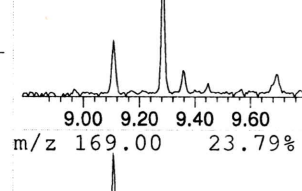
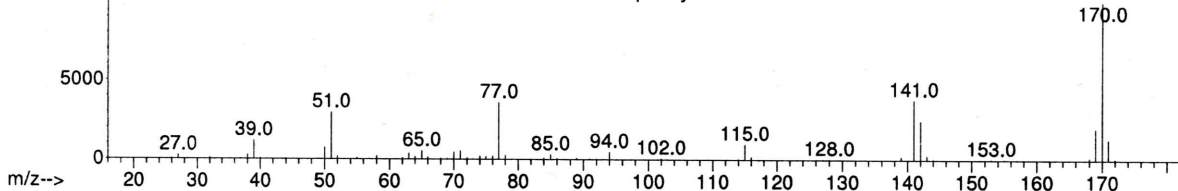
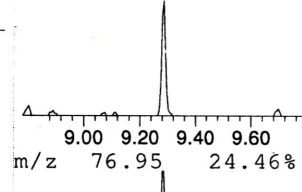
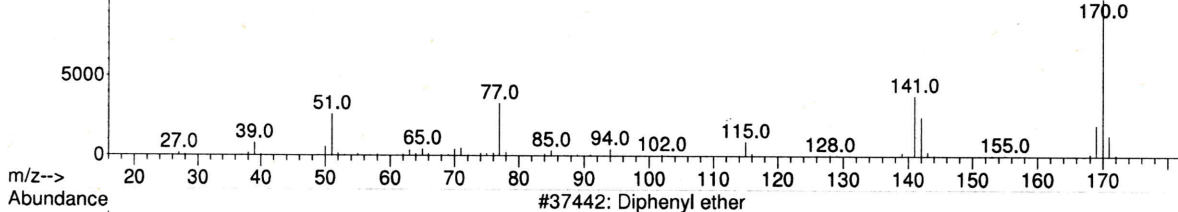
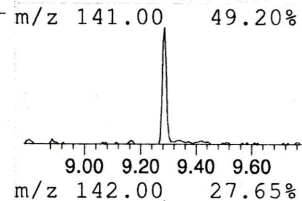
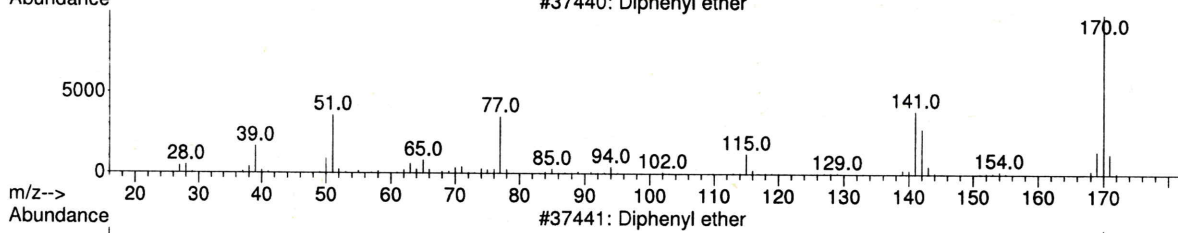
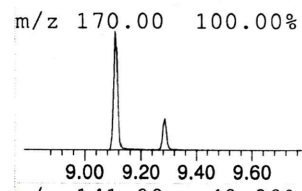
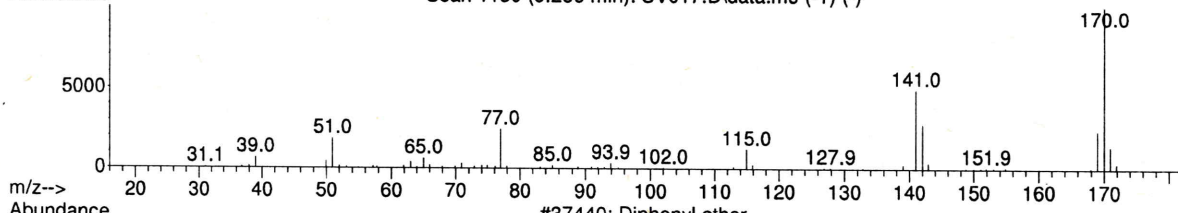
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	38980 000321-60-8	95
2	38983 000321-60-8	93
3	38982 000321-60-8	93

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1130 (9.286 min): SV017.D\data.ms (-) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 9 at 9.286 min Area: 827076 Area % 0.48

The 3 best hits from each library.

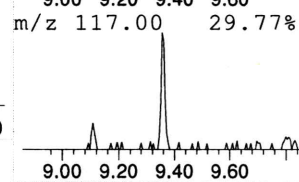
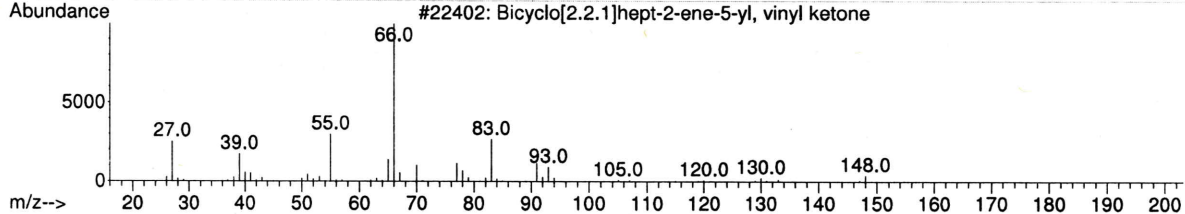
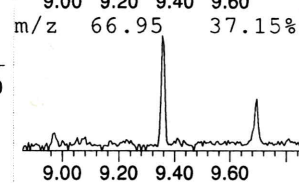
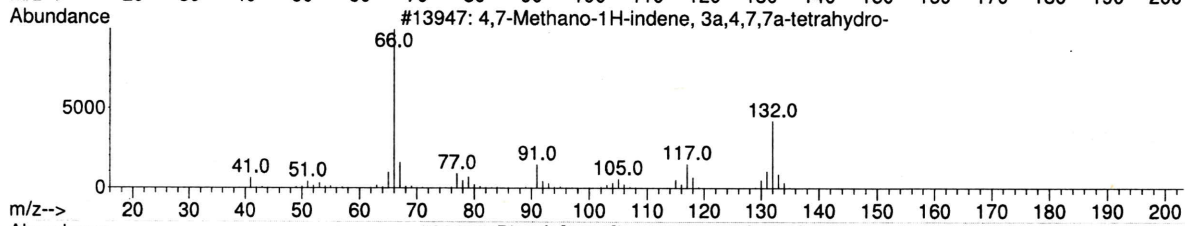
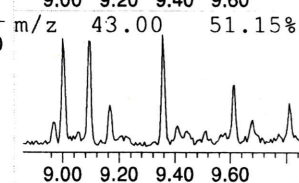
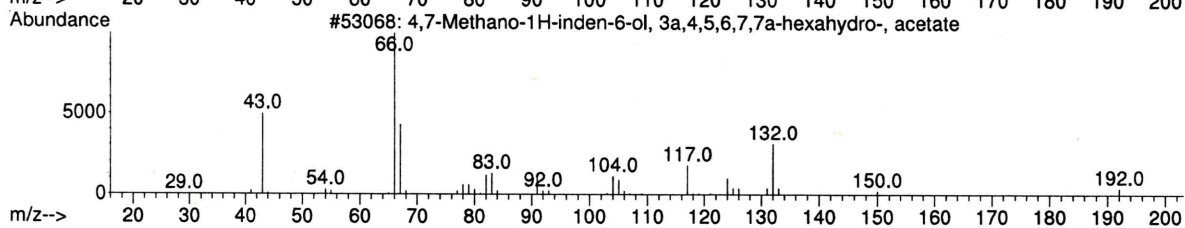
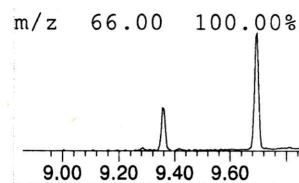
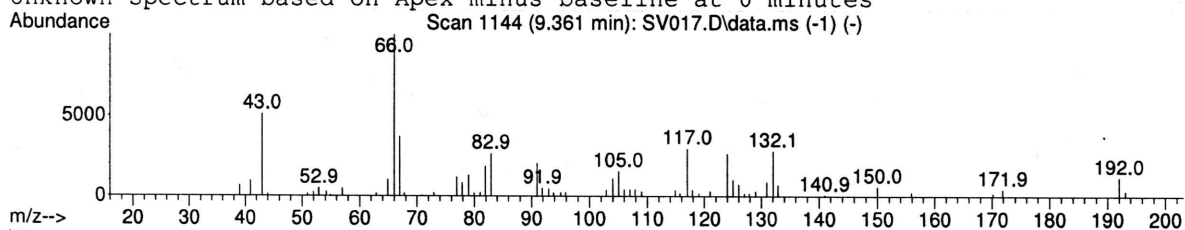
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	37440 000101-84-8	87
2	37441 000101-84-8	86
3	37442 000101-84-8	83

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D

Sample : 832268-1

Peak Number: 10 at 9.361 min Area: 414554 Area % 0.24

The 3 best hits from each library.

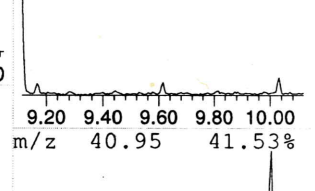
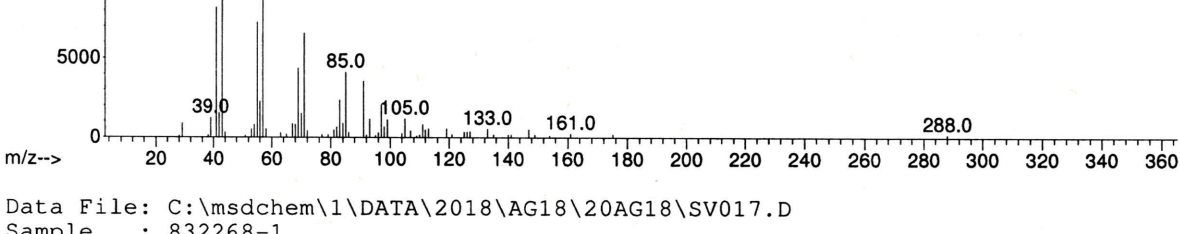
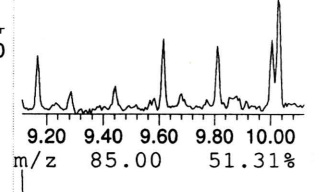
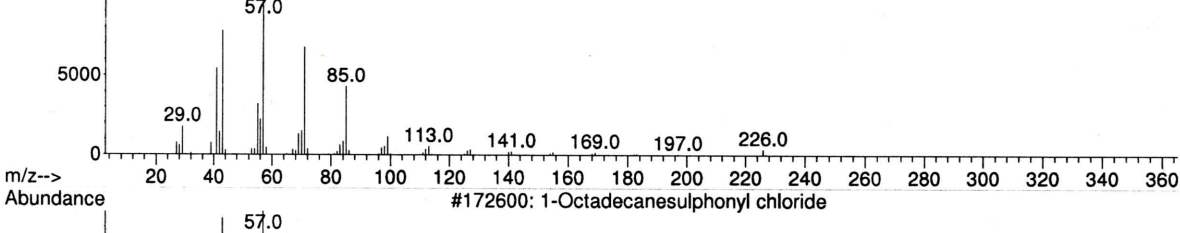
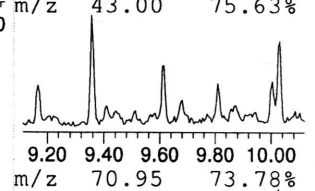
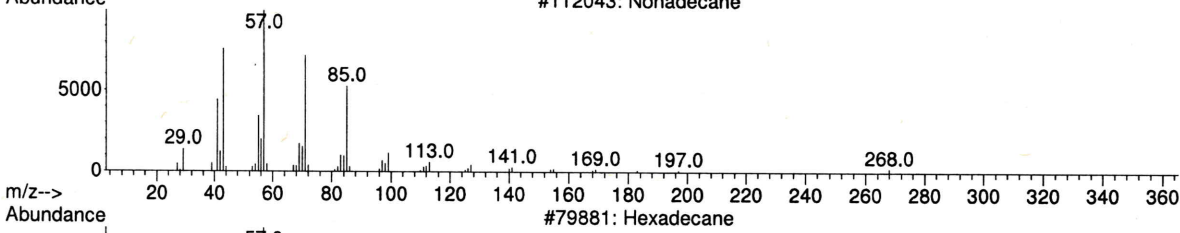
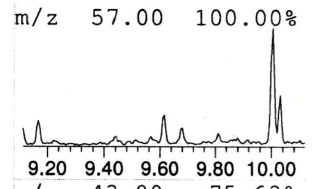
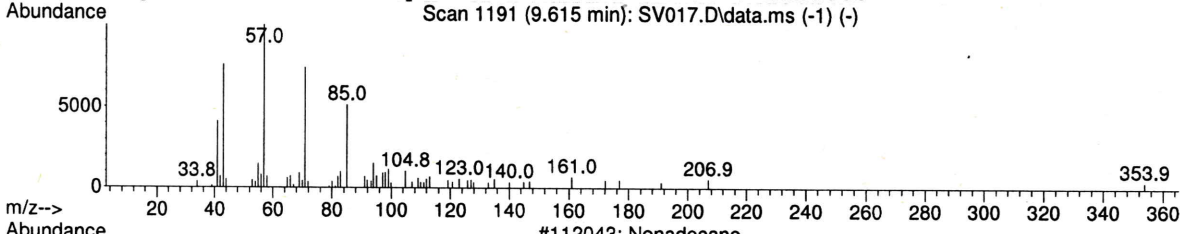
Ref\# CAS\# Qual

C:\Database\NIST08.L

1	4,7-Methano-1H-inden-6-ol, 3a,4,...	53068	005413-60-5	78
2	4,7-Methano-1H-indene, 3a,4,7,7a...	13947	000077-73-6	72
3	Bicyclo[2.2.1]hept-2-ene-5-yl, v...	22402	1000222-20-5	59

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1191 (9.615 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 11 at 9.615 min Area: 333737 Area % 0.19

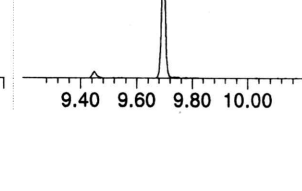
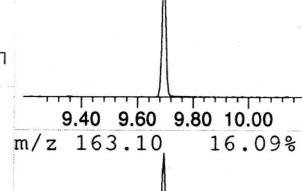
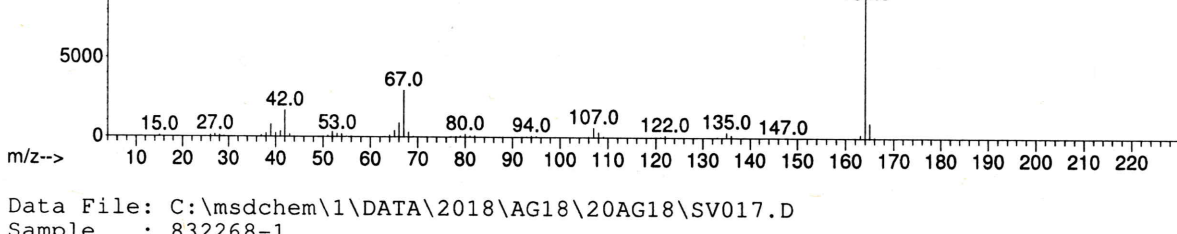
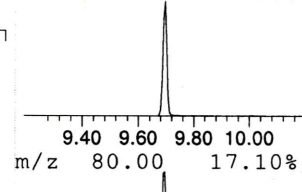
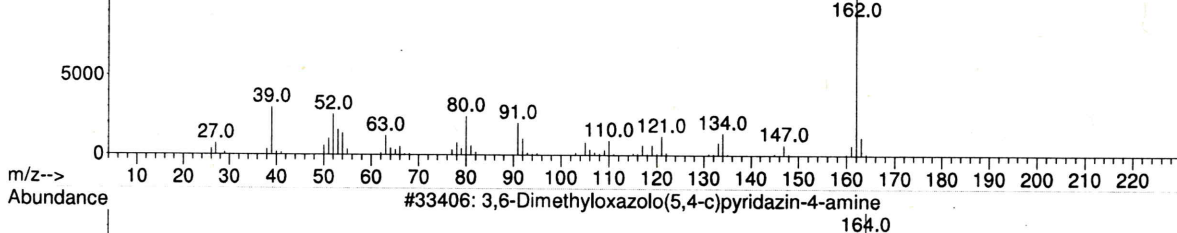
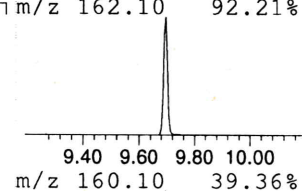
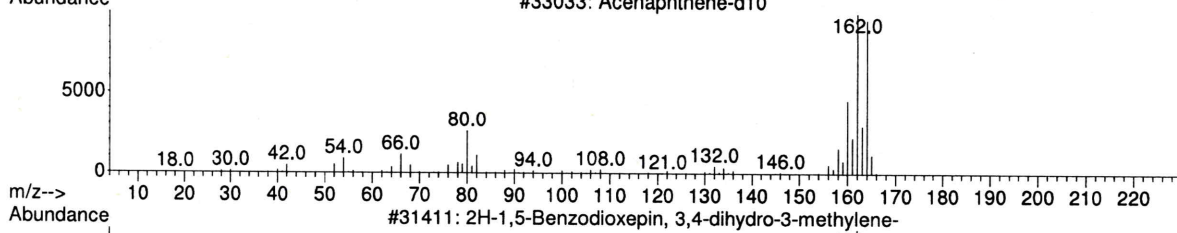
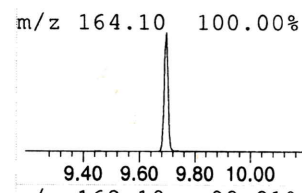
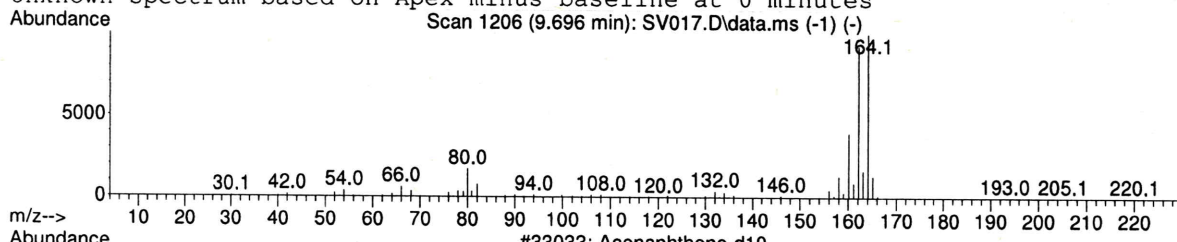
The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Nonadecane	112043	000629-92-5	72
2 Hexadecane	79881	000544-76-3	72
3 1-Octadecanesulphonyl chloride	172600	1000342-70-4	72

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
 Sample : 832268-1

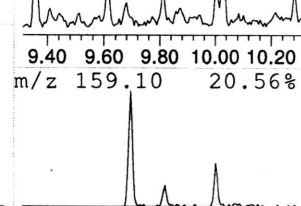
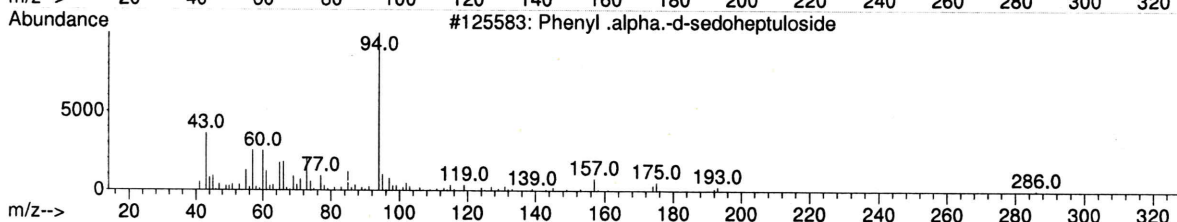
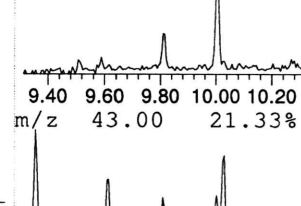
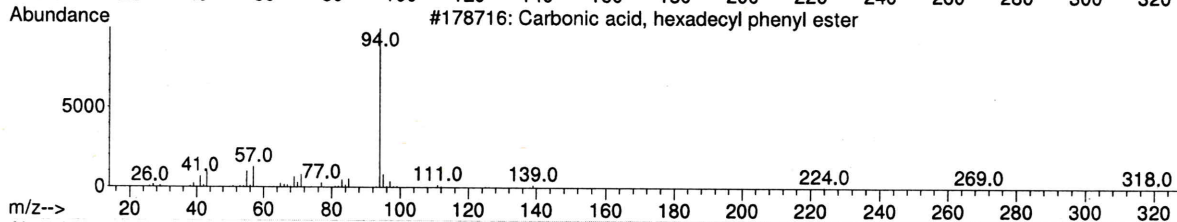
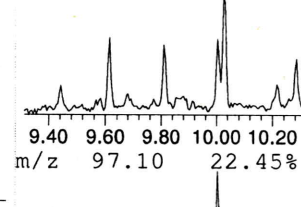
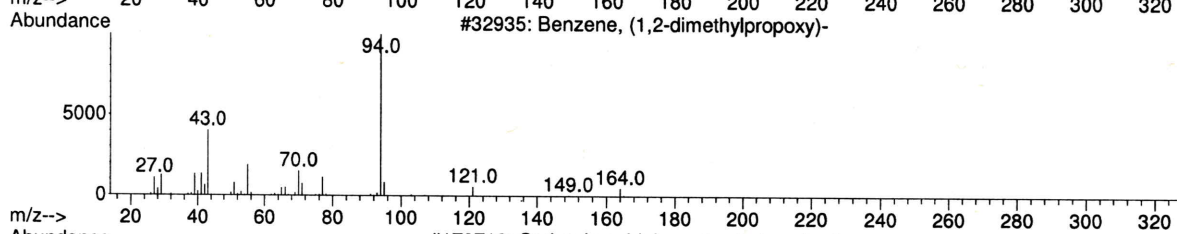
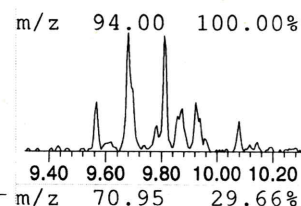
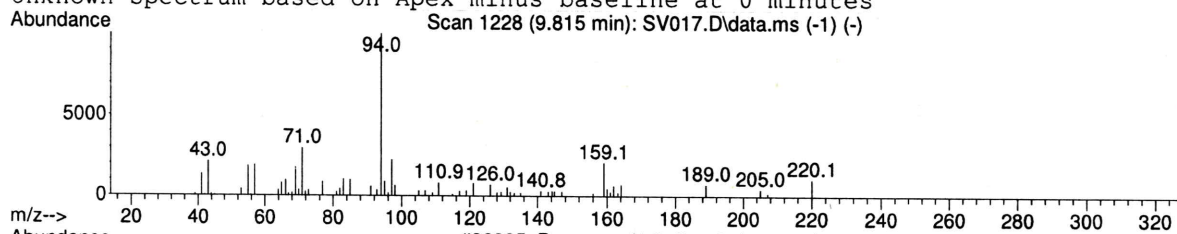
Peak Number: 12 at 9.696 min Area: 11693864 Area % 6.72

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	33033 015067-26-2	91
2	31411 019560-64-6	27
3	33406 1000244-73-9	22

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D

Sample : 832268-1

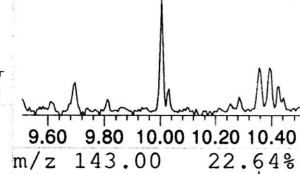
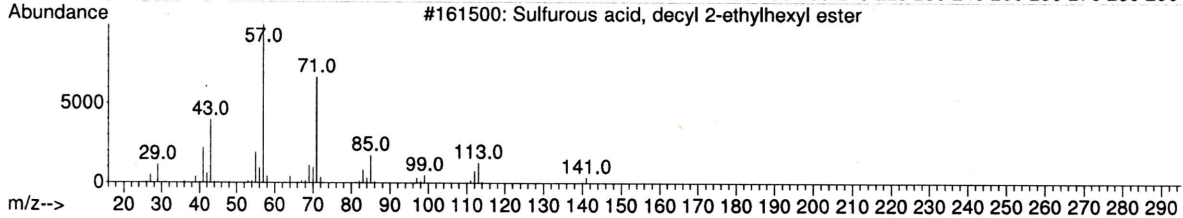
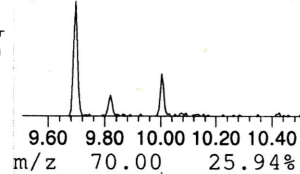
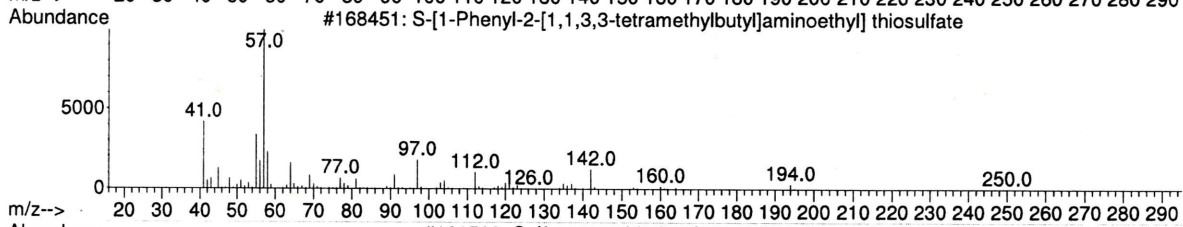
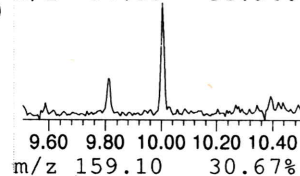
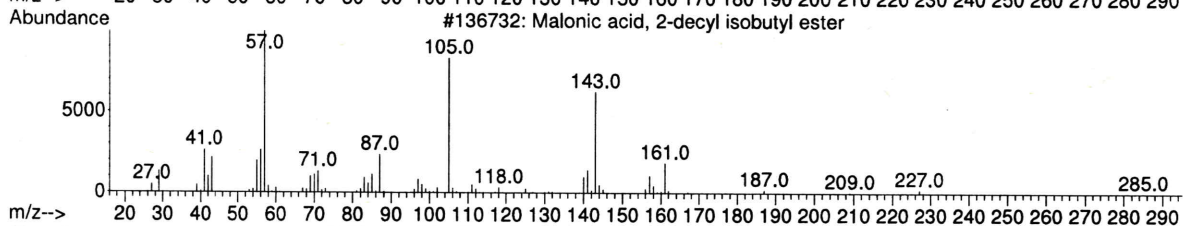
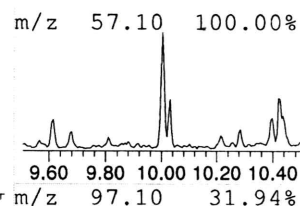
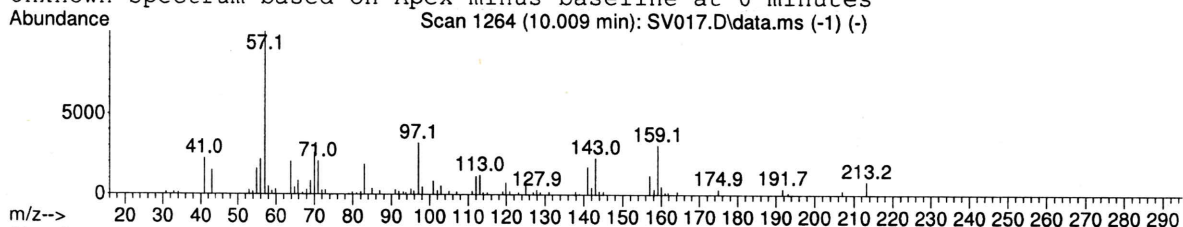
Peak Number: 13 at 9.815 min Area: 418772 Area % 0.24

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Benzene, (1,2-dimethylpropoxy)-	32935	062338-26-5	43
2 Carbonic acid, hexadecyl phenyl ...	178716	1000314-58-0	43
3 Phenyl .alpha.-d-sedoheptuloside	125583	1000126-65-4	43

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 14 at 10.009 min Area: 776654 Area % 0.45

The 3 best hits from each library.

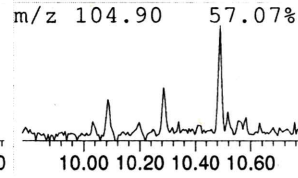
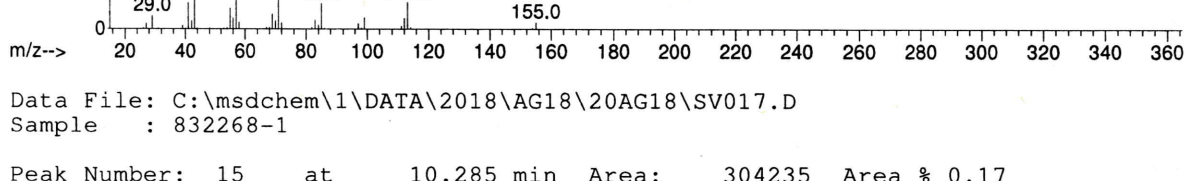
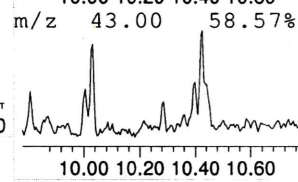
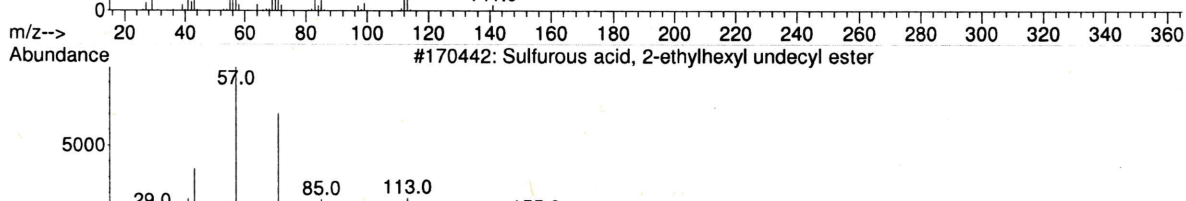
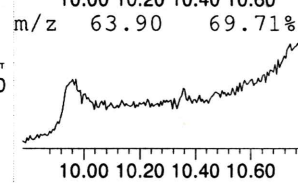
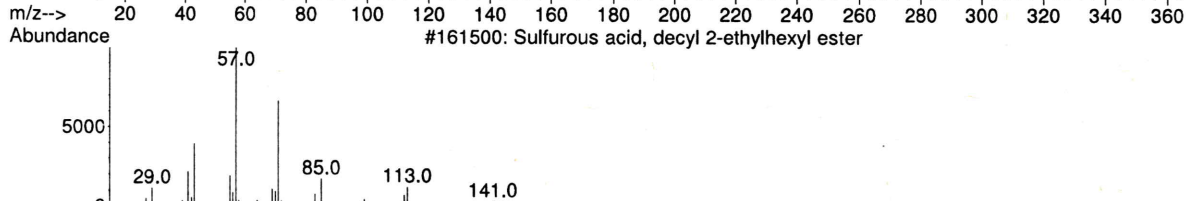
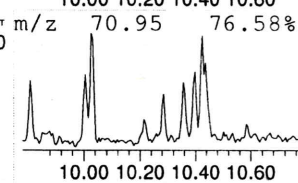
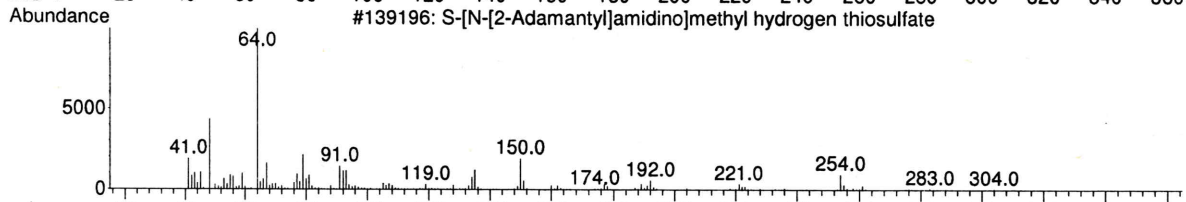
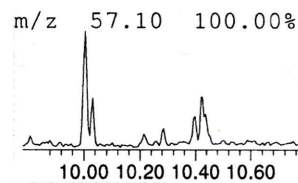
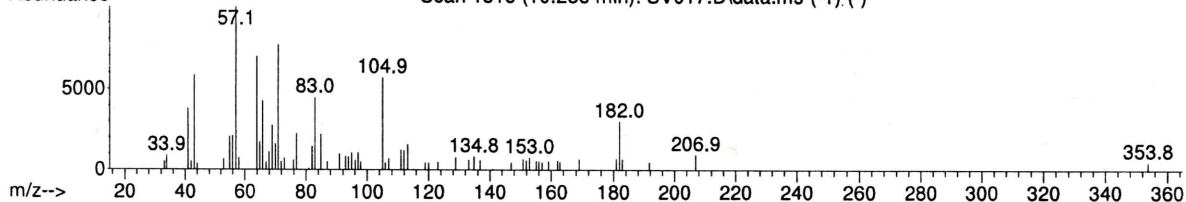
Ref\# CAS\# Qual

C:\Database\NIST08.L

Rank	Library Name	Ref\#	CAS\#	Qual
1	Malonic acid, 2-decyl isobutyl e...	136732	1000349-08-8	10
2	S-[1-Phenyl-2-[1,1,3,3-tetrameth...	168451	062209-49-8	10
3	Sulfurous acid, decyl 2-ethylhex...	161500	1000309-19-3	10

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1315 (10.285 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 15 at 10.285 min Area: 304235 Area % 0.17

The 3 best hits from each library.

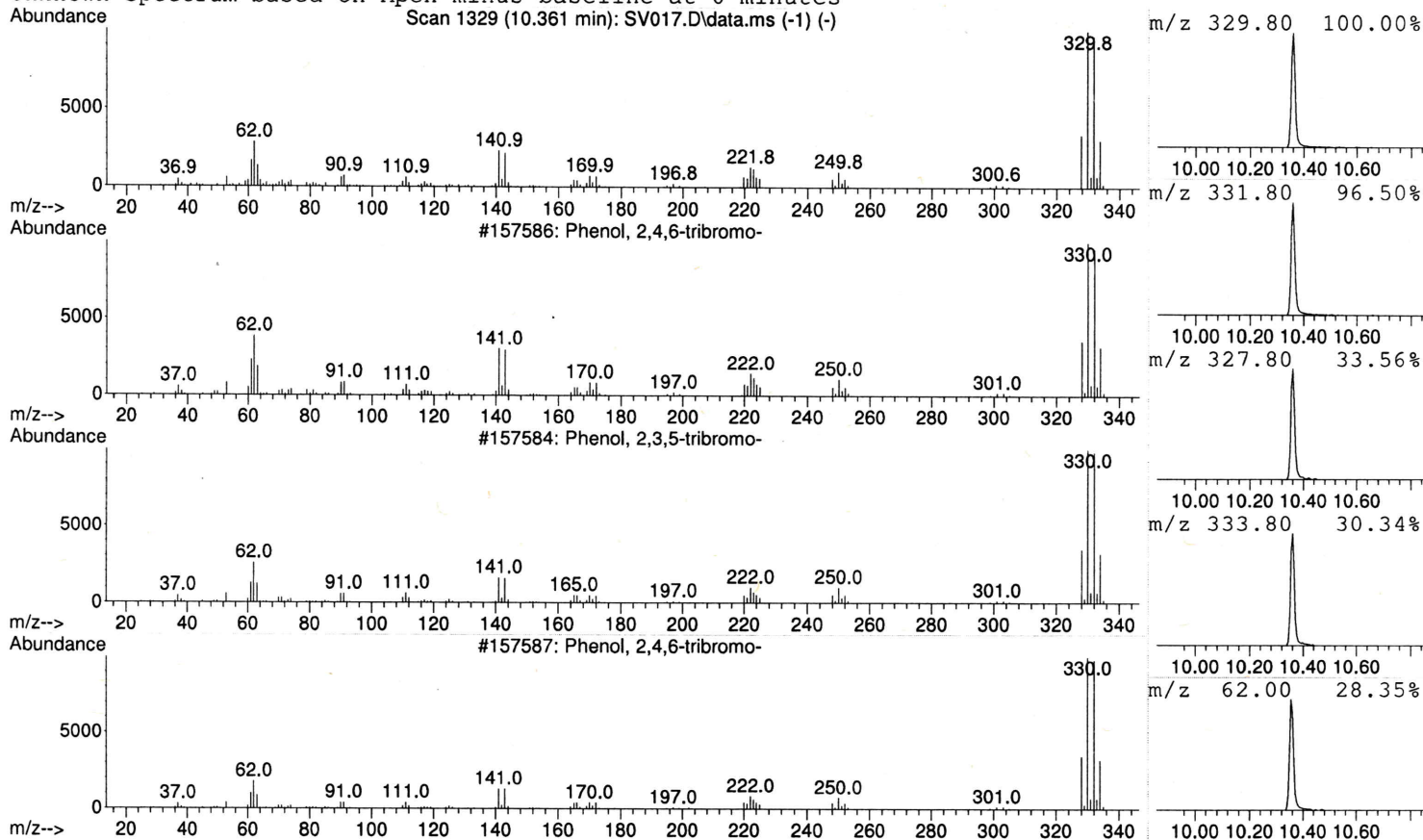
Ref\# CAS\# Qual

C:\Database\NIST08.L

- | Rank | Library Name | Ref\# | CAS\# | Qual |
|------|-------------------------------------|--------|--------------|------|
| 1 | S-[N-[2-Adamantyl]amidino]methyl... | 139196 | 040283-71-4 | 14 |
| 2 | Sulfurous acid, decyl 2-ethylhex... | 161500 | 1000309-19-3 | 10 |
| 3 | Sulfurous acid, 2-ethylhexyl und... | 170442 | 1000309-19-4 | 10 |

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1329 (10.361 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

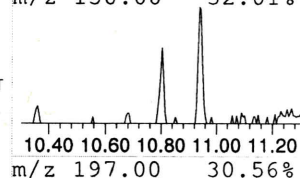
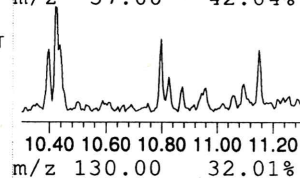
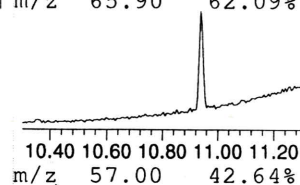
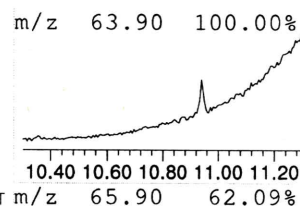
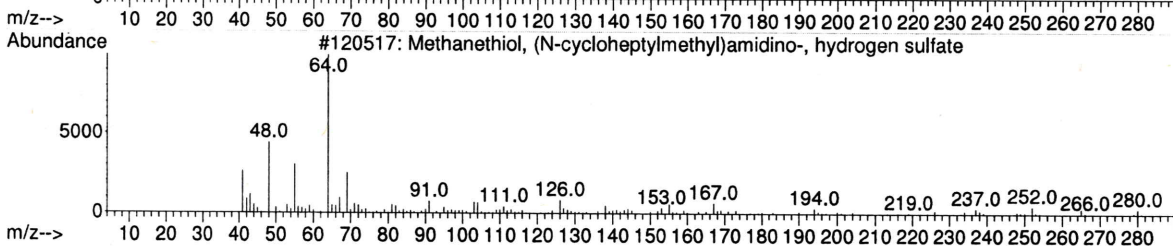
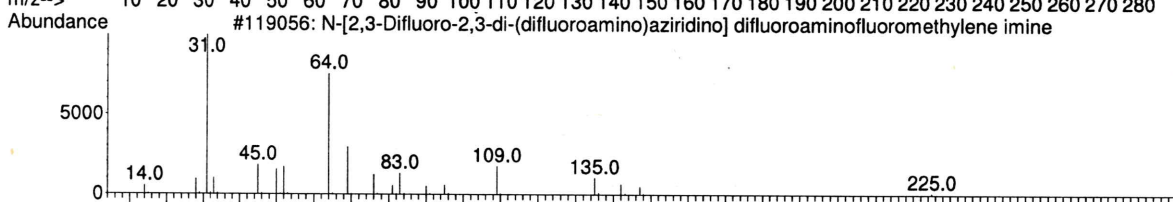
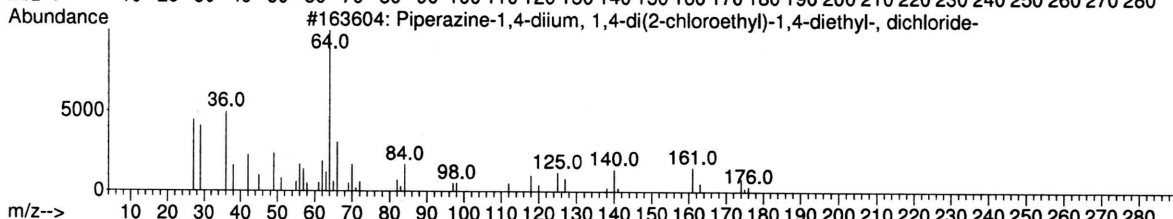
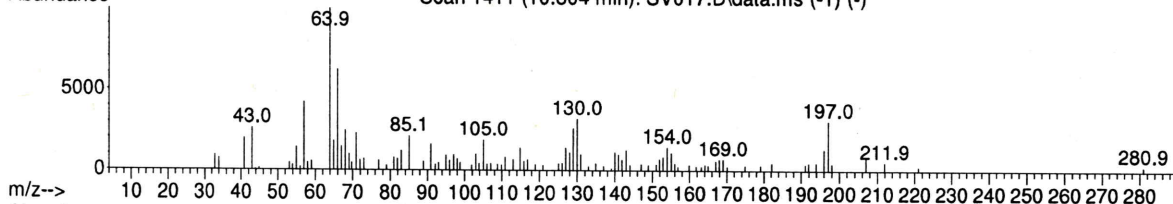
Peak Number: 16 at 10.361 min Area: 4358332 Area % 2.50

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Phenol, 2,4,6-tribromo-	157586	000118-79-6	99
2 Phenol, 2,3,5-tribromo-	157584	057383-81-0	99
3 Phenol, 2,4,6-tribromo-	157587	000118-79-6	99

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1411 (10.804 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

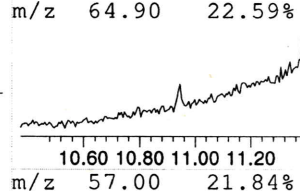
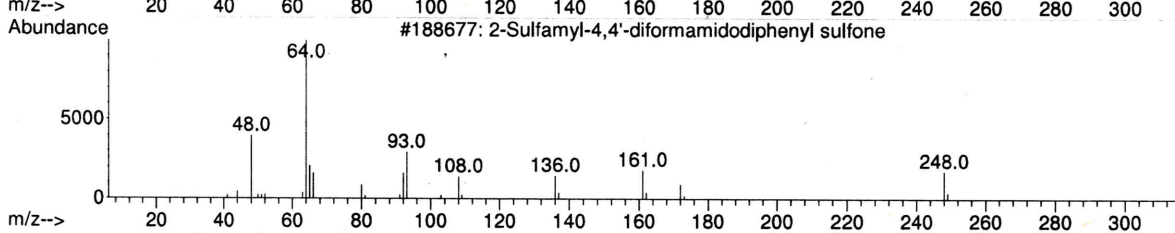
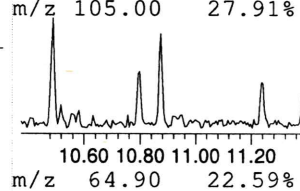
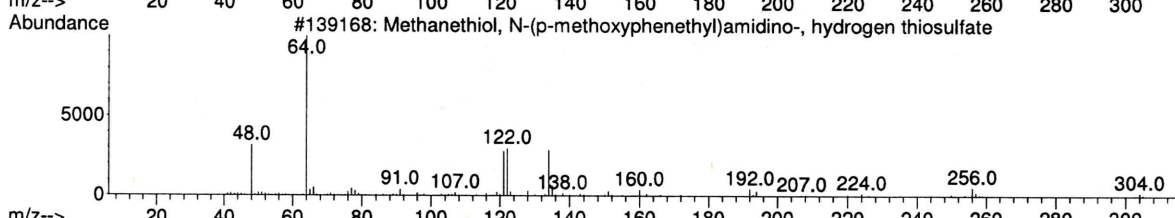
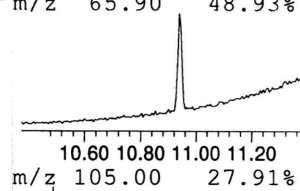
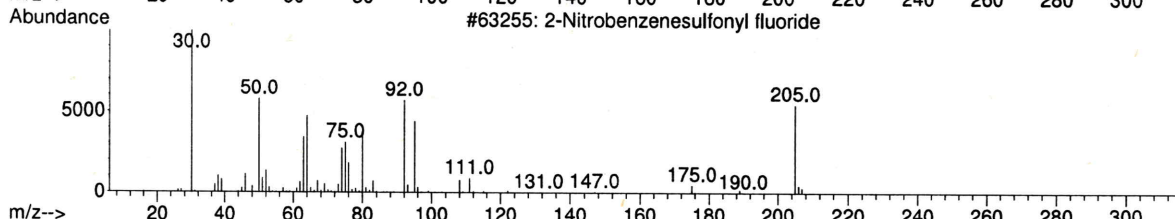
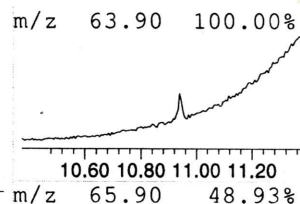
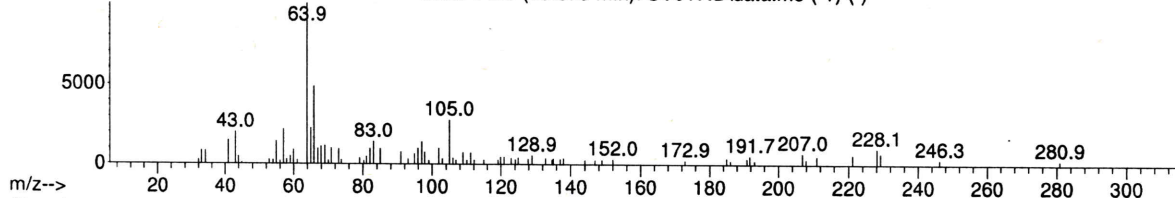
Peak Number: 17 at 10.804 min Area: 664272 Area % 0.38

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Piperazine-1,4-dium, 1,4-di(2-c...	163604	1000273-25-4	40
2 N-[2,3-Difluoro-2,3-di-(difluoro...	119056	1000305-83-6	37
3 Methanethiol, (N-cycloheptylmeth...	120517	040283-61-2	37

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1425 (10.879 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

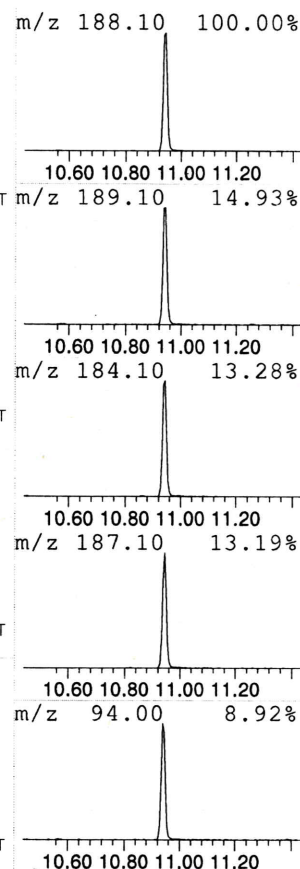
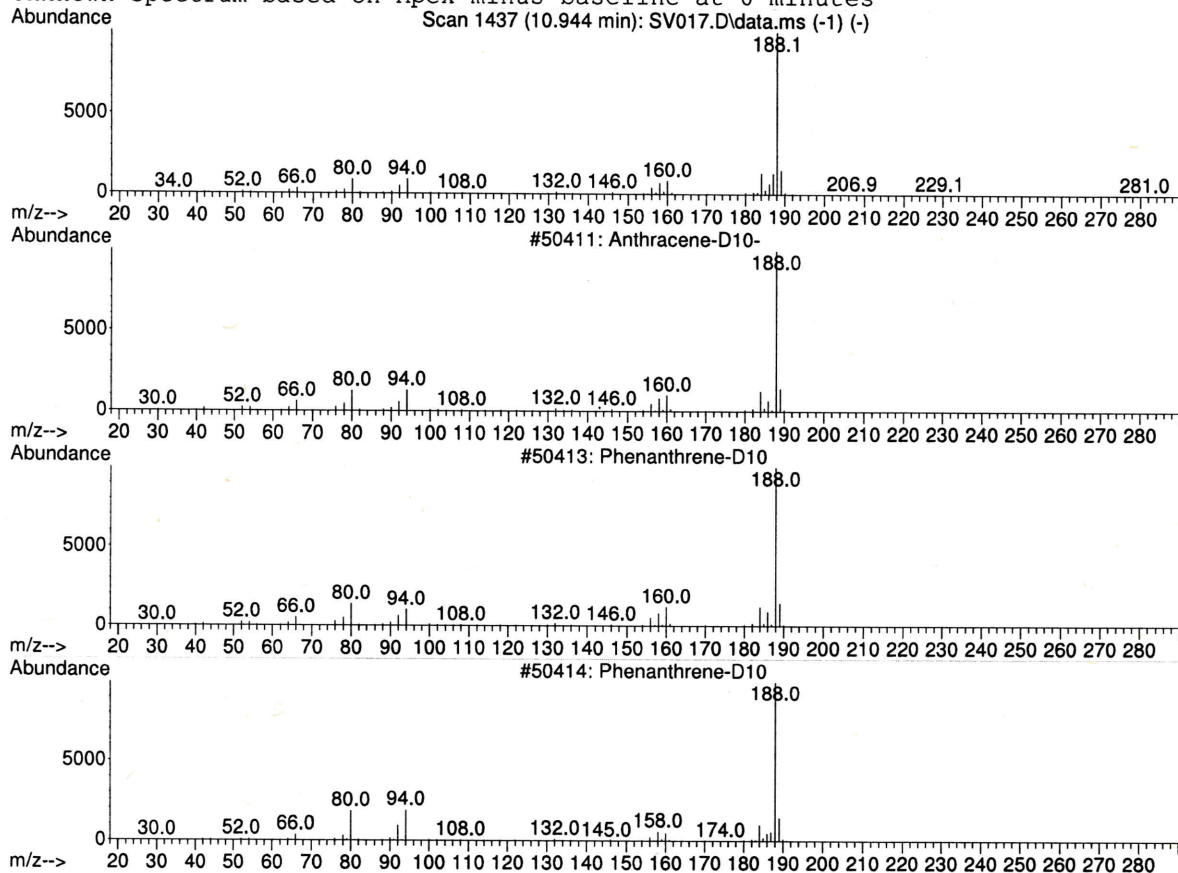
Peak Number: 18 at 10.879 min Area: 313782 Area % 0.18

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	63255 000433-98-7	43
2	139168 040283-94-1	28
3	188677 1000256-33-9	28

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1437 (10.944 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

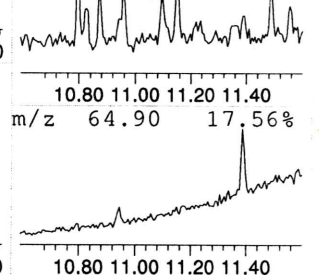
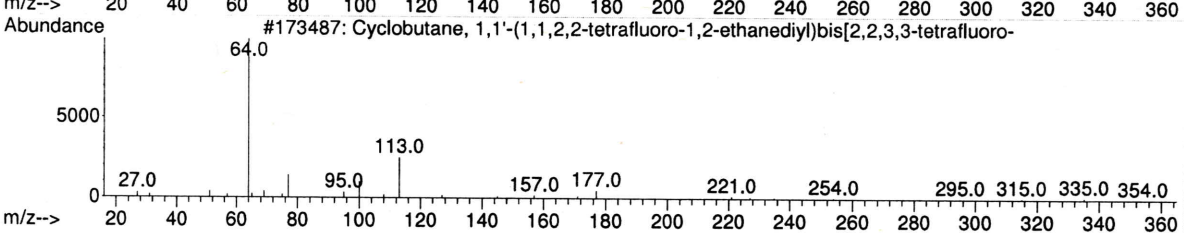
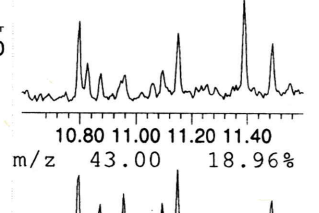
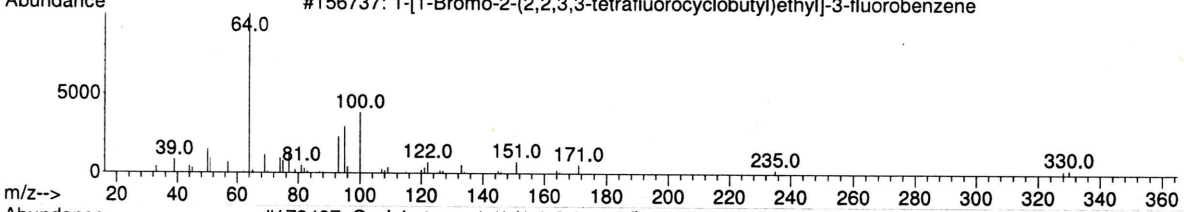
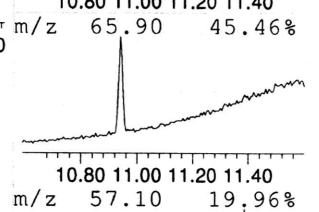
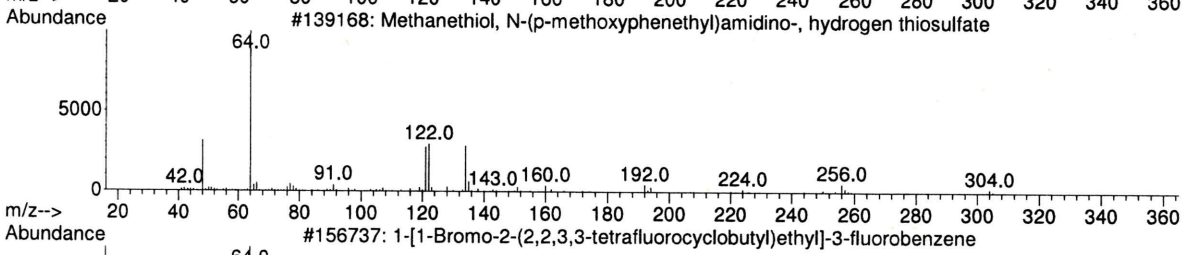
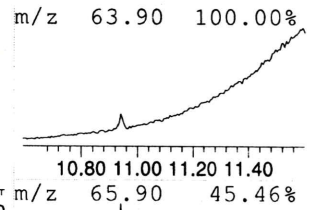
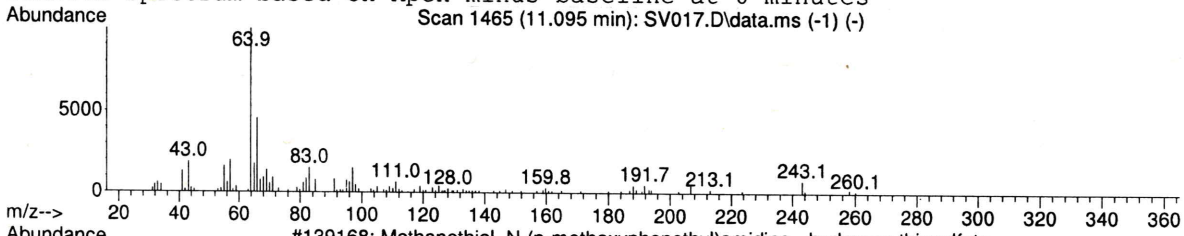
Peak Number: 19 at 10.944 min Area: 12302341 Area % 7.07

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	50411	95
2	50413	95
3	50414	91

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1465 (11.095 min): SV017.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 20 at 11.095 min Area: 1273111 Area % 0.73

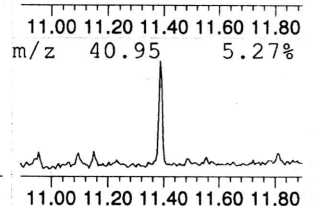
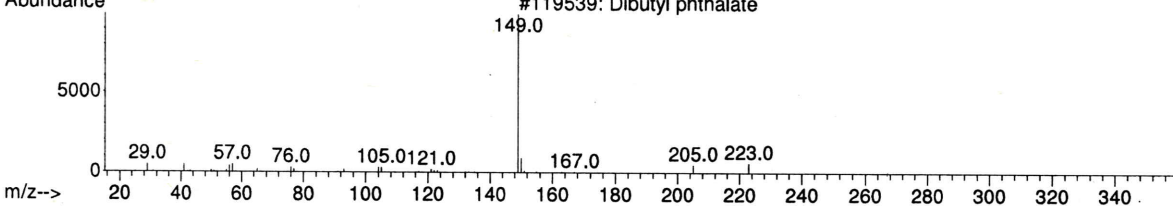
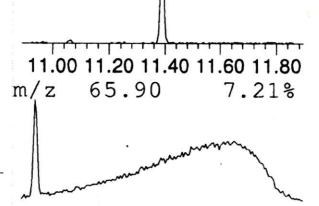
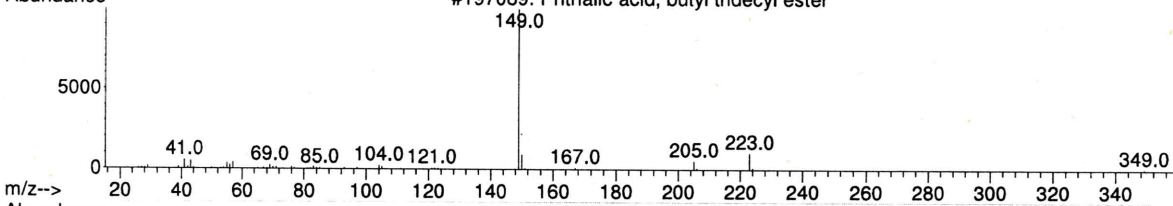
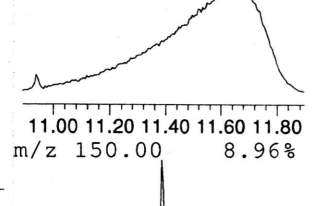
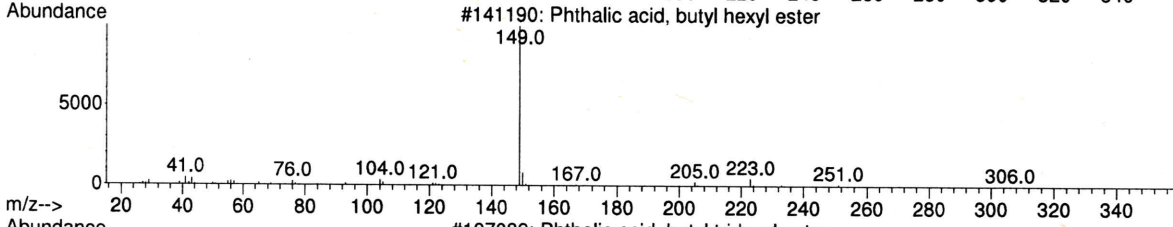
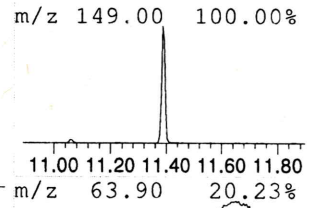
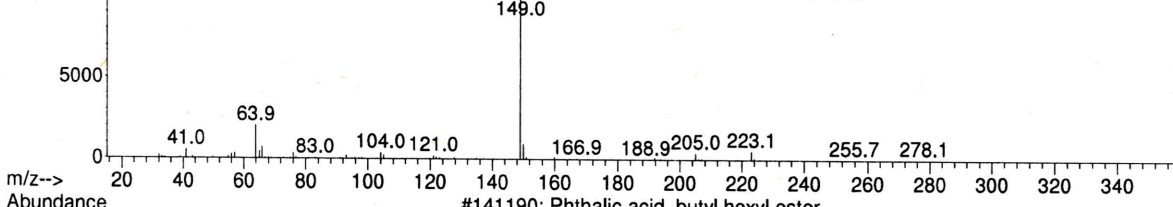
The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1	Methanethiol, N-(p-methoxyphenet...	139168 040283-94-1	40
2	1-[1-Bromo-2-(2,2,3,3-tetrafluor...	156737 1000223-18-3	28
3	Cyclobutane, 1,1'-(1,1,2,2-tetra...	173487 035207-94-4	28

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1520 (11.392 min): SV017.D\data.ms (-1) (-)



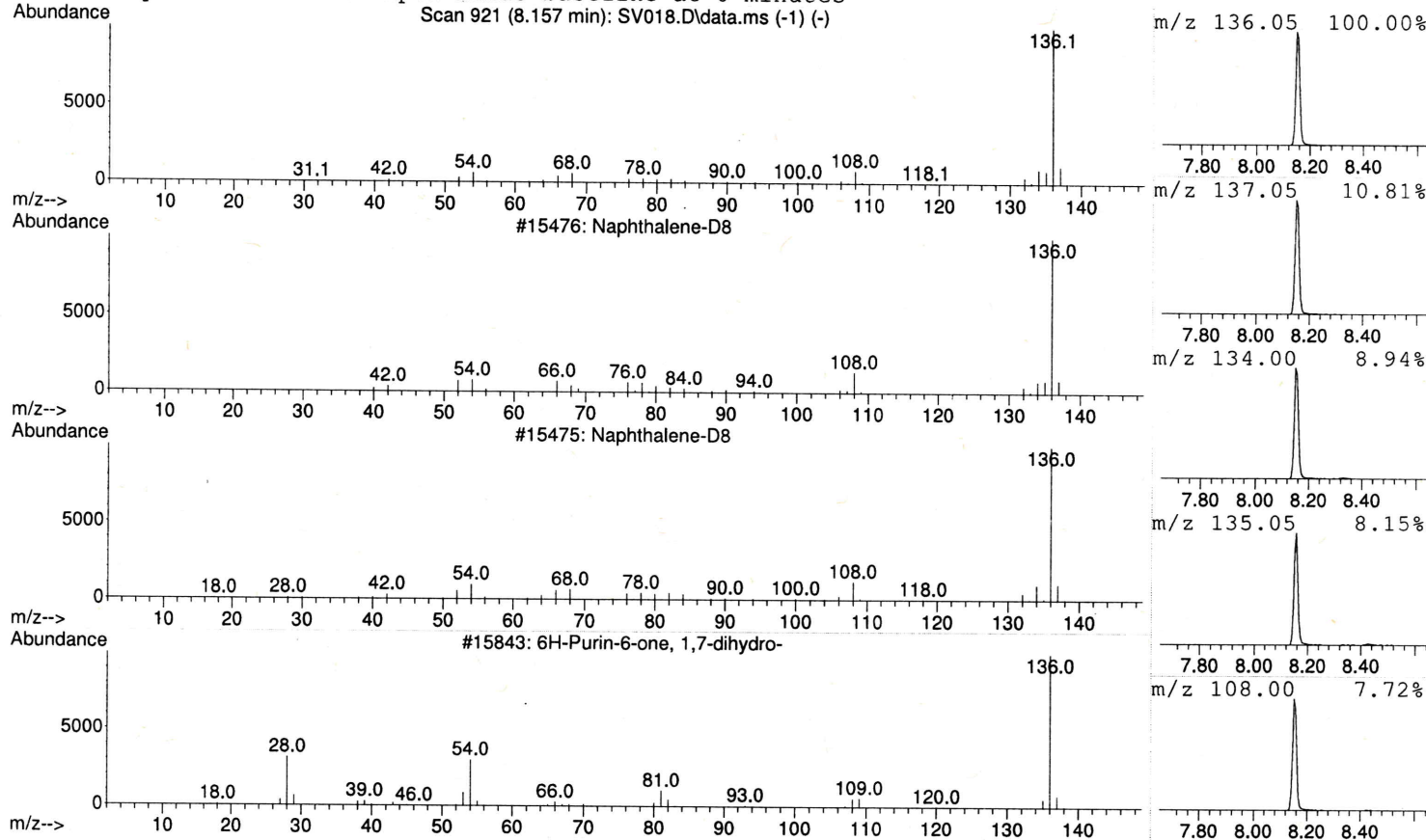
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV017.D
Sample : 832268-1

Peak Number: 21 at 11.392 min Area: 7657049 Area % 4.40

The 3 best hits from each library.			
Ref\#	CAS\#	Qual	
C:\Database\NIST08.L			
1	141190	1000308-99-5	59
2	197089	1000308-99-3	59
3	119539	000084-74-2	59

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 921 (8.157 min): SV018.D\data.ms (-) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

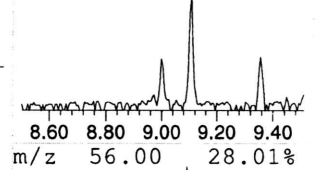
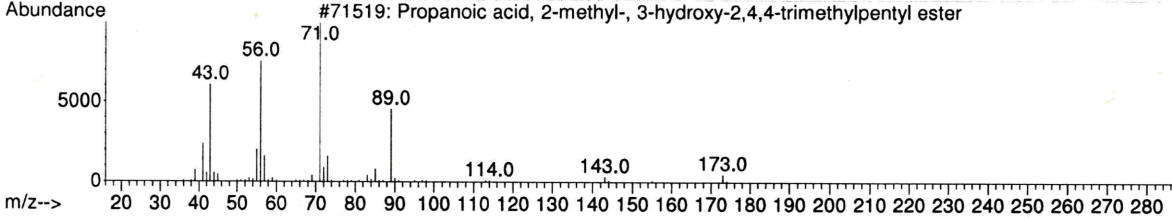
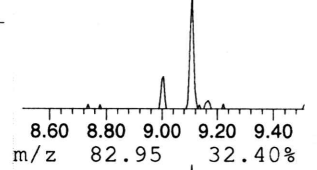
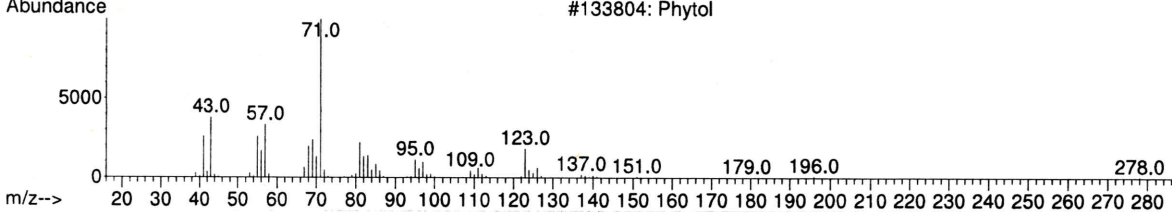
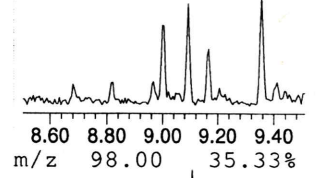
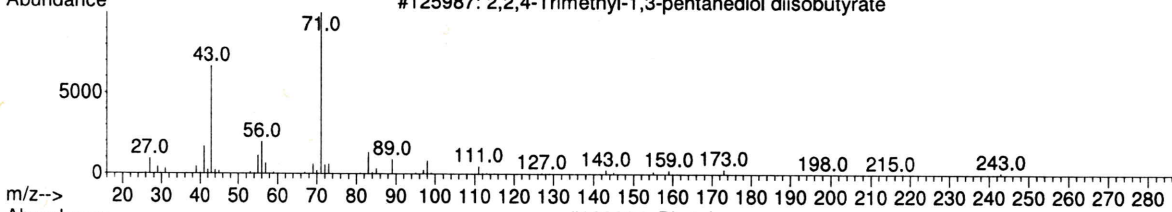
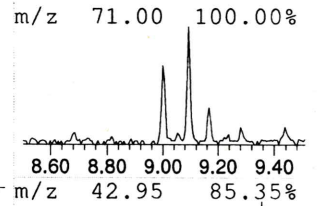
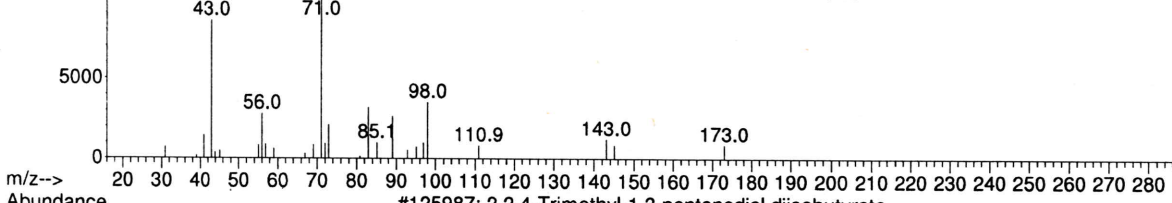
Peak Number: 6 at 8.157 min Area: 9350902 Area % 6.97

The 3 best hits from each library.

Library	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Naphthalene-D8	15476	001146-65-2	91
2 Naphthalene-D8	15475	001146-65-2	91
3 6H-Purin-6-one, 1,7-dihydro-	15843	000068-94-0	72

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1078 (9.005 min): SV018.D\data.ms (-) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

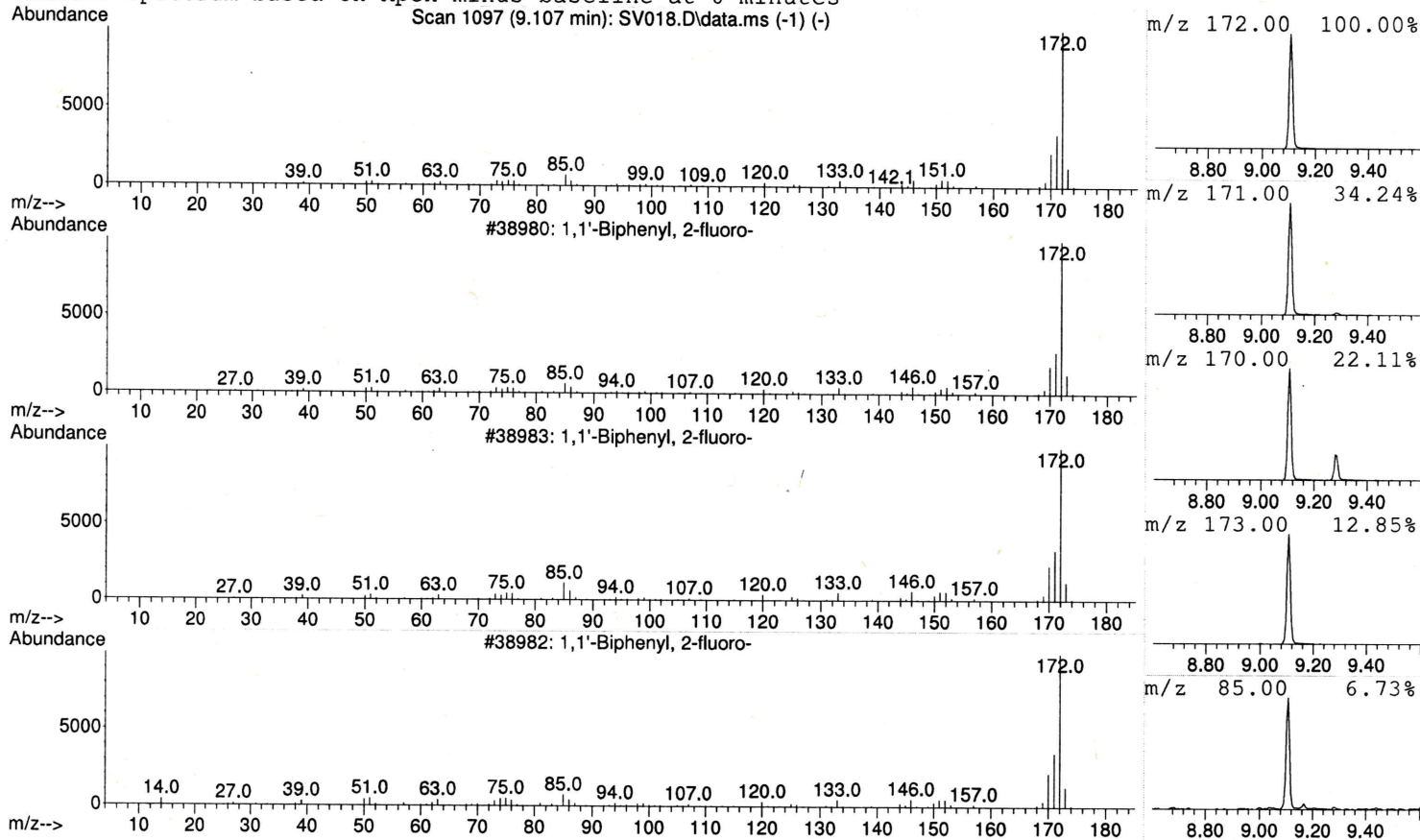
Peak Number: 7 at 9.005 min Area: 185191 Area % 0.14

The 3 best hits from each library. Ref\# CAS\# Qual

Library	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 2,2,4-Trimethyl-1,3-pentanediol ...	125987	006846-50-0	50
2 Phytol	133804	000150-86-7	38
3 Propanoic acid, 2-methyl-, 3-hyd...	71519	074367-34-3	38

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
 Scan 1097 (9.107 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

Peak Number: 8 at 9.107 min Area: 7985912 Area % 5.95

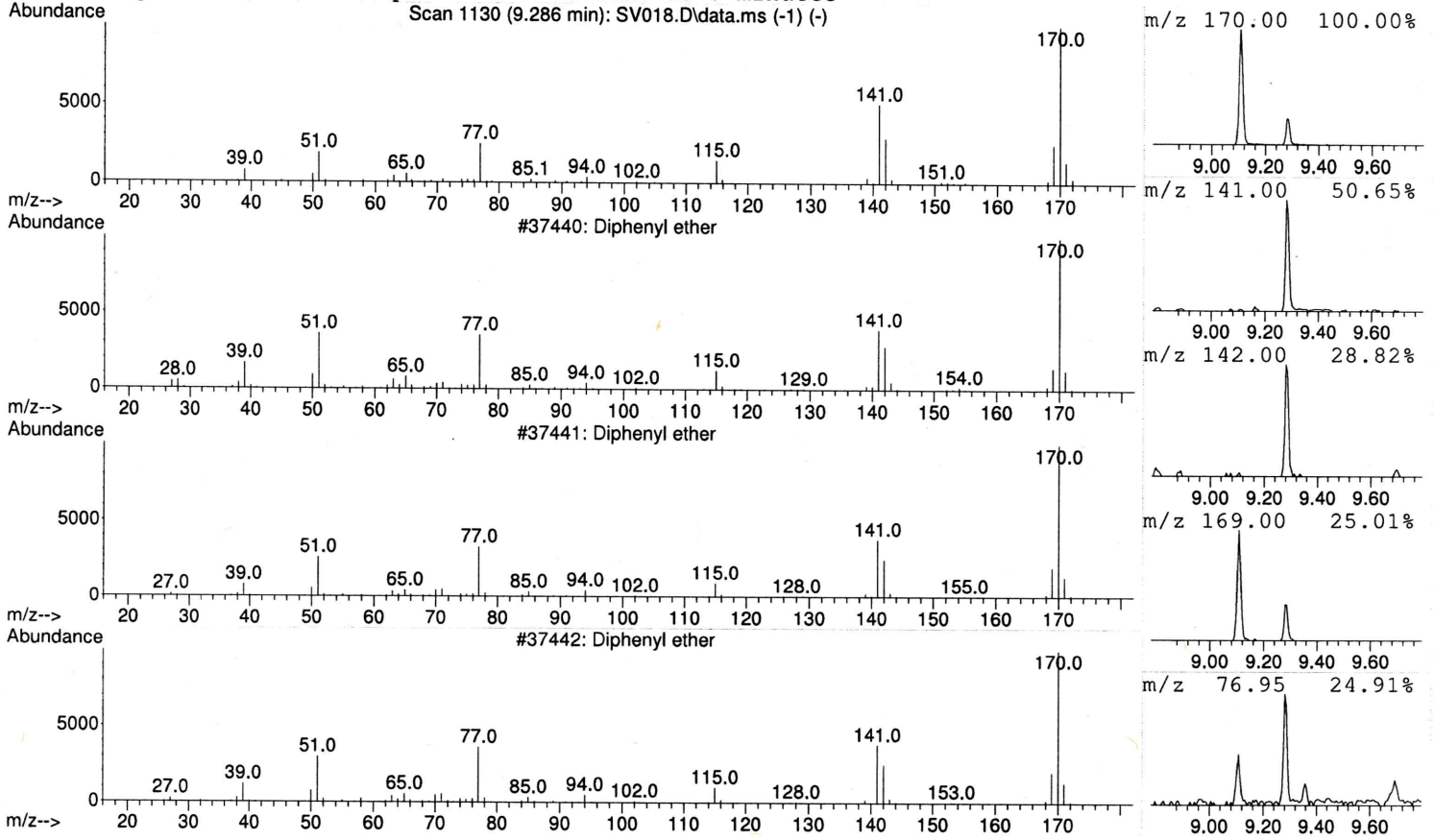
The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 1,1'-Biphenyl, 2-fluoro-	38980	000321-60-8	95
2 1,1'-Biphenyl, 2-fluoro-	38983	000321-60-8	94
3 1,1'-Biphenyl, 2-fluoro-	38982	000321-60-8	93

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1130 (9.286 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 9 at 9.286 min Area: 675300 Area % 0.50

The 3 best hits from each library.

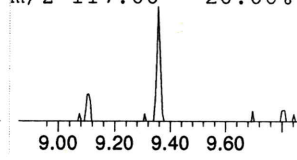
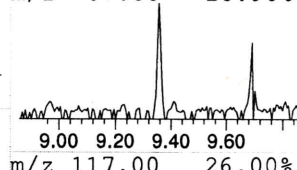
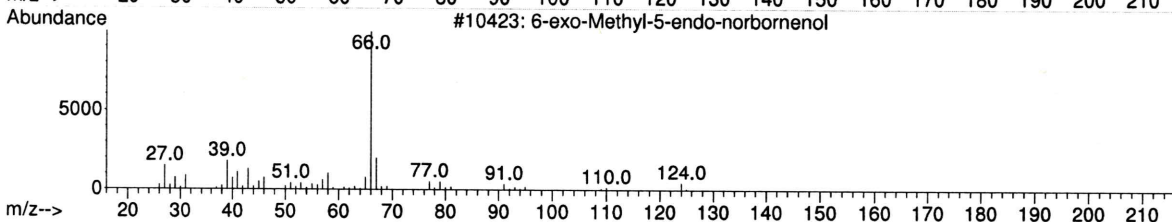
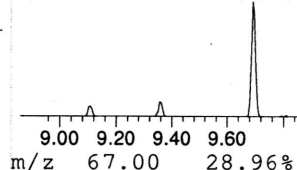
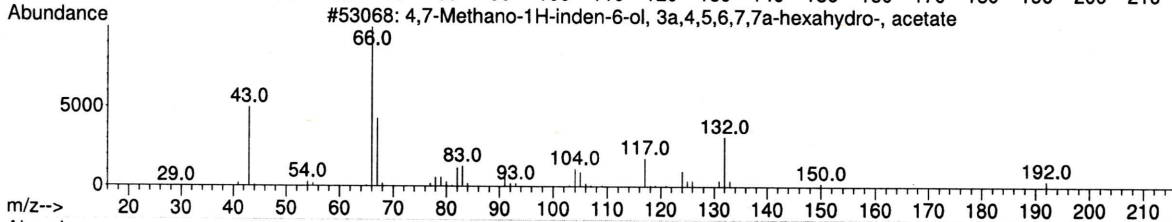
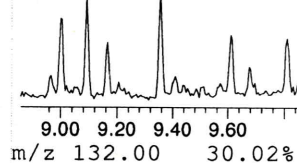
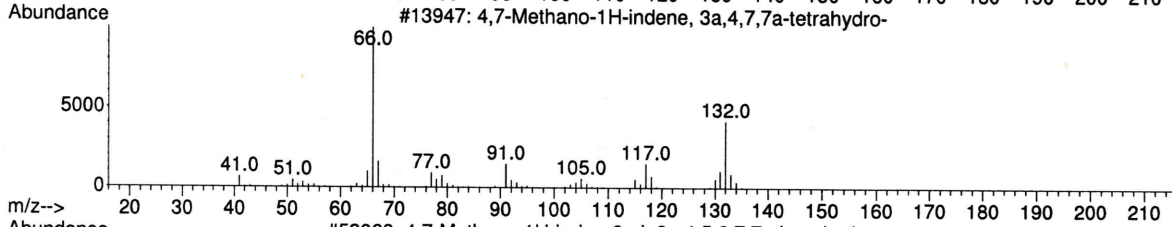
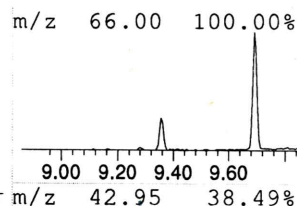
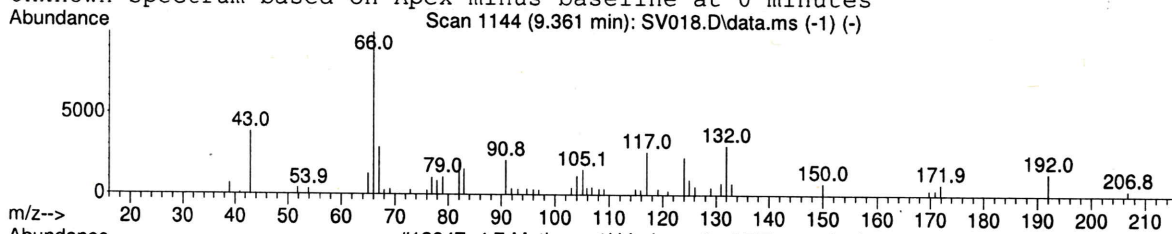
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	37440 000101-84-8	91
2	37441 000101-84-8	83
3	37442 000101-84-8	80

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

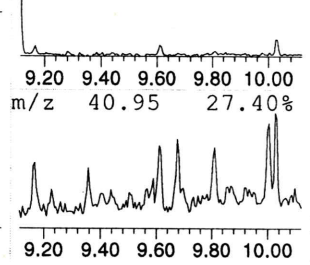
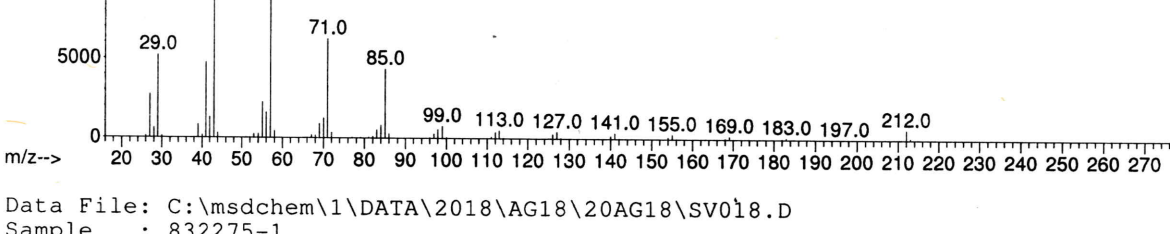
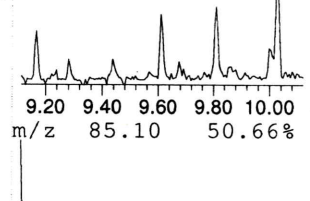
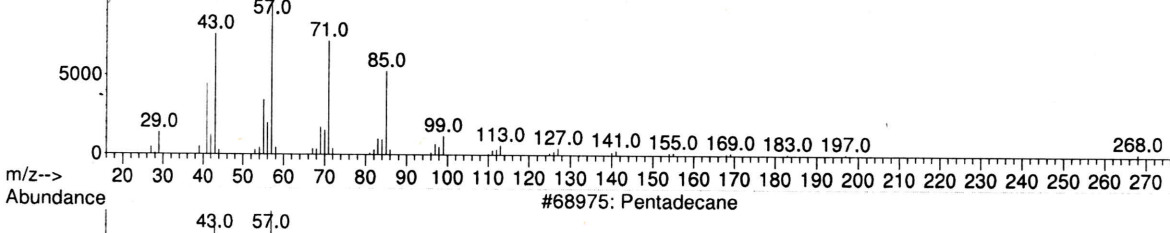
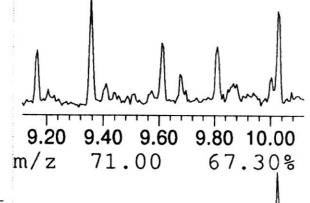
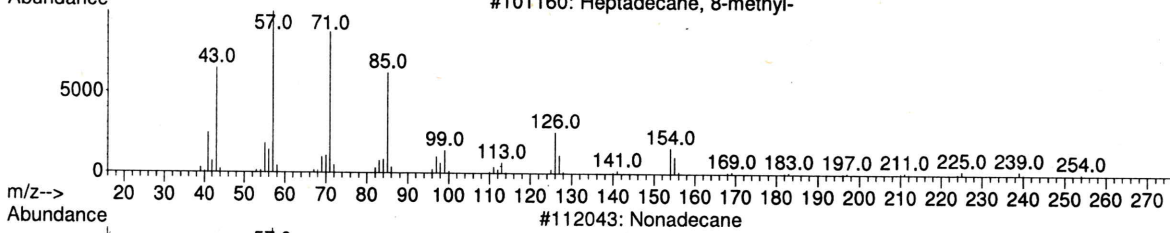
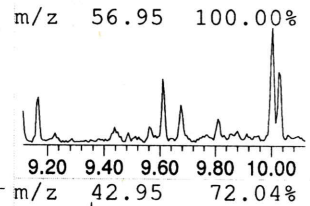
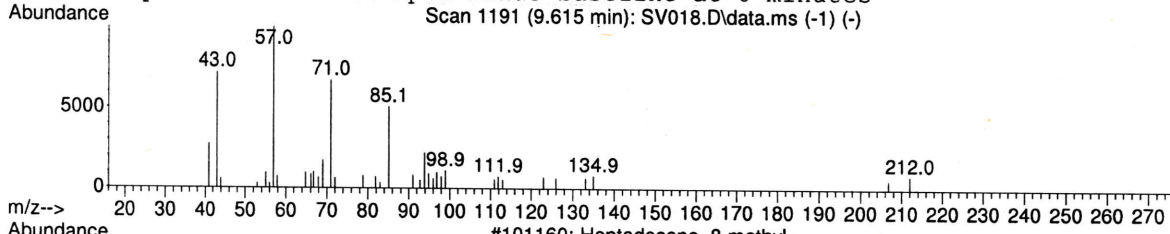
Peak Number: 10 at 9.361 min Area: 355454 Area % 0.26

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	13947 000077-73-6	74
2	53068 005413-60-5	72
3	10423 041414-52-2	64

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1191 (9.615 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 11 at 9.615 min Area: 259795 Area % 0.19

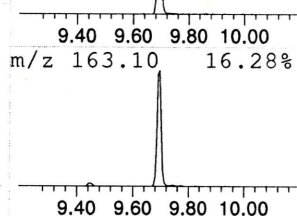
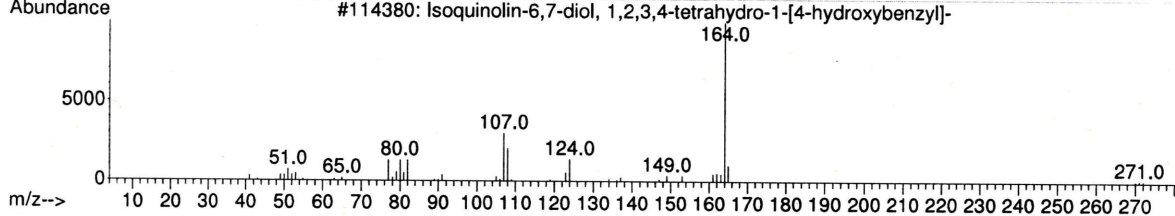
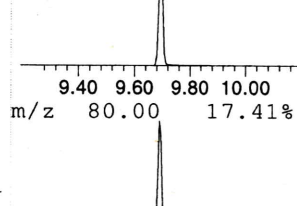
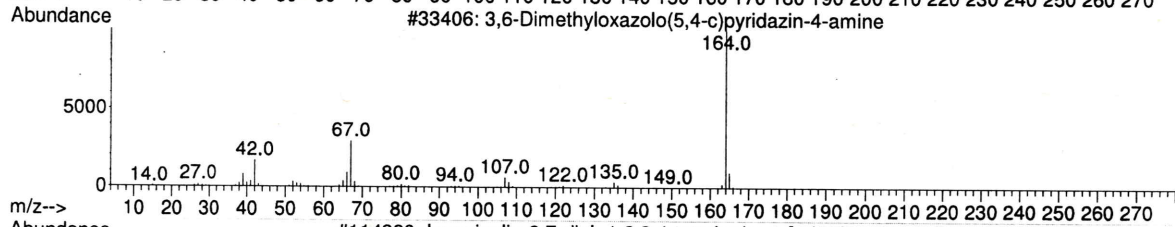
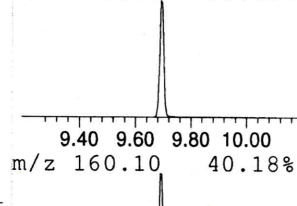
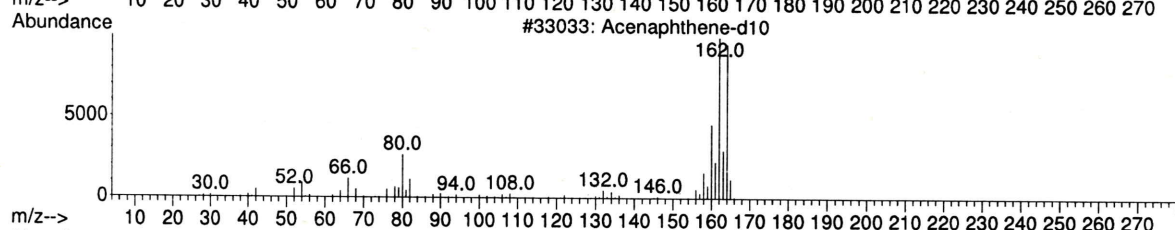
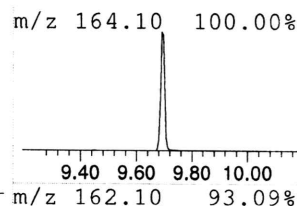
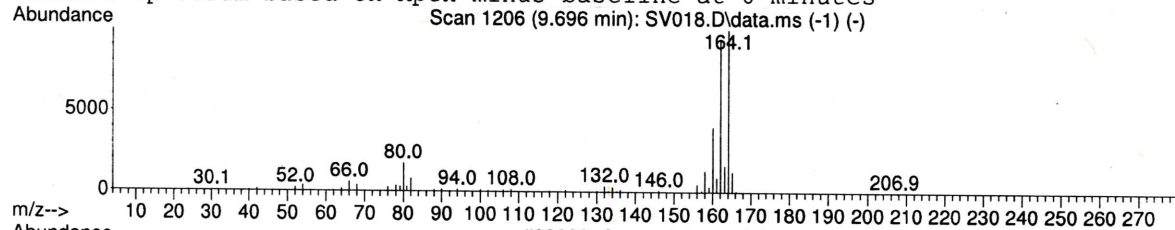
The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Heptadecane, 8-methyl-	101160	013287-23-5	59
2 Nonadecane	112043	000629-92-5	59
3 Pentadecane	68975	000629-62-9	58

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1206 (9.696 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 12 at 9.696 min Area: 10982972 Area % 8.18

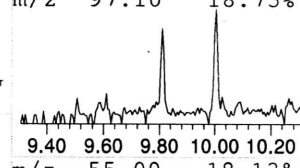
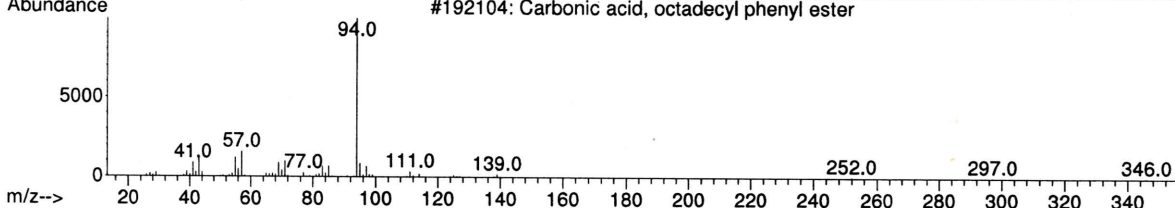
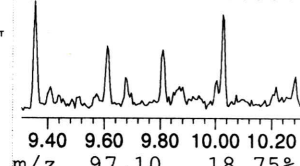
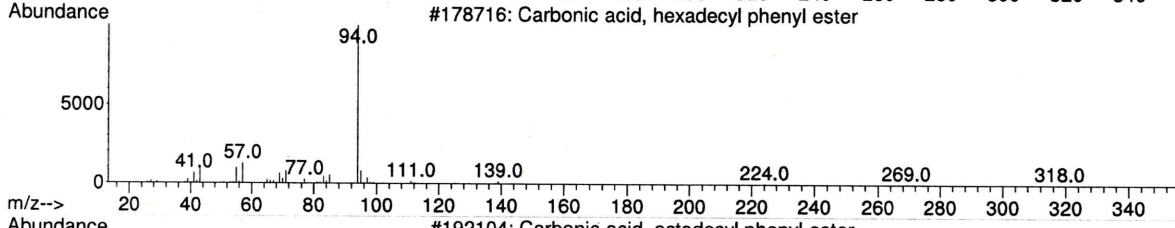
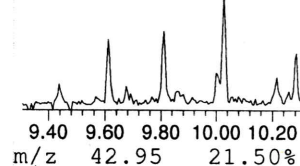
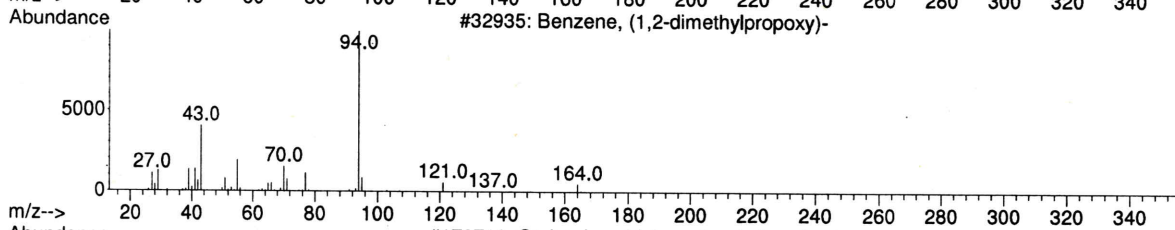
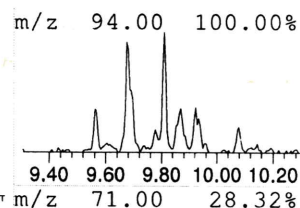
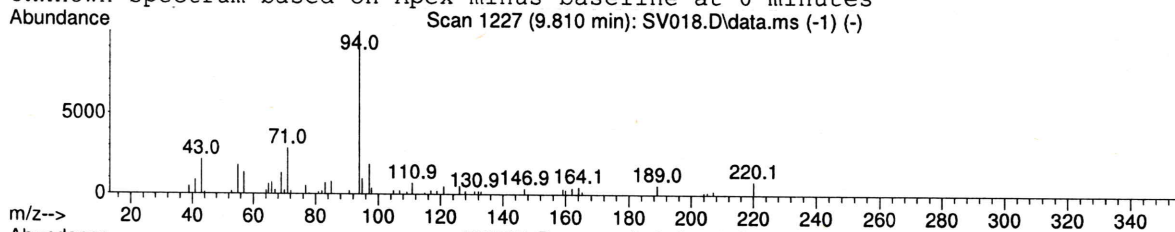
The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Acenaphthene-d10	33033	015067-26-2	91
2 3,6-Dimethyloxazolo(5,4-c)pyrida...	33406	1000244-73-9	22
3 Isoquinolin-6,7-diol, 1,2,3,4-te...	114380	1000129-07-1	17

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



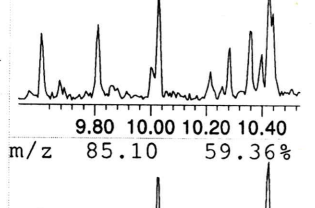
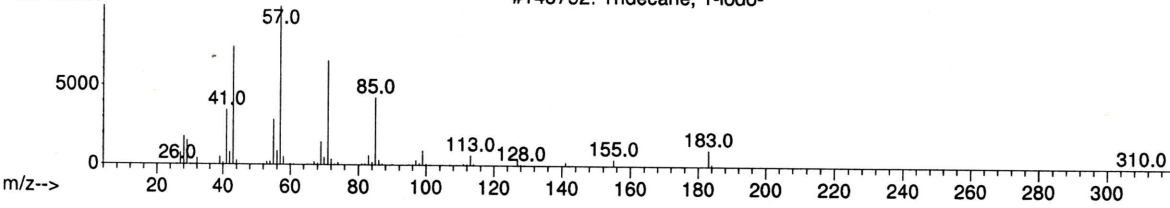
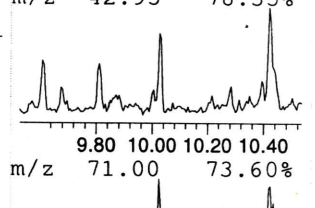
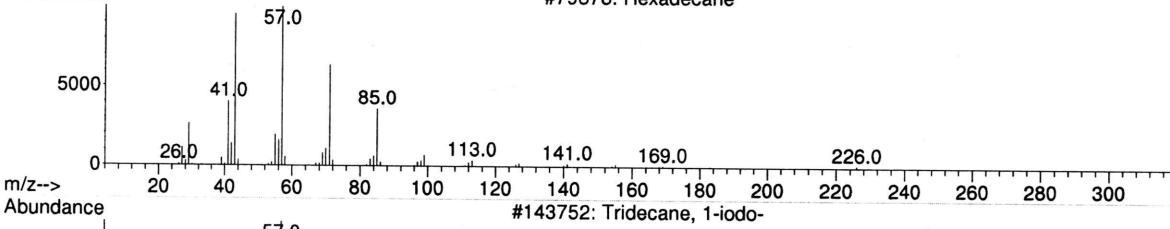
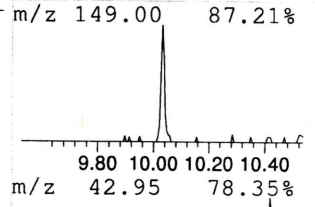
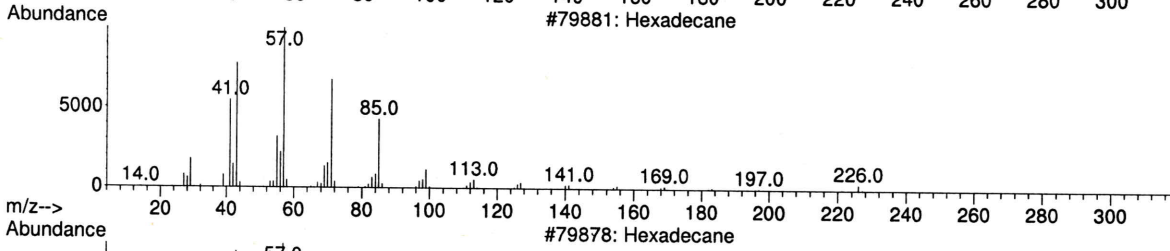
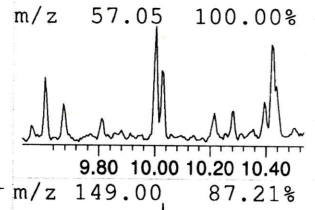
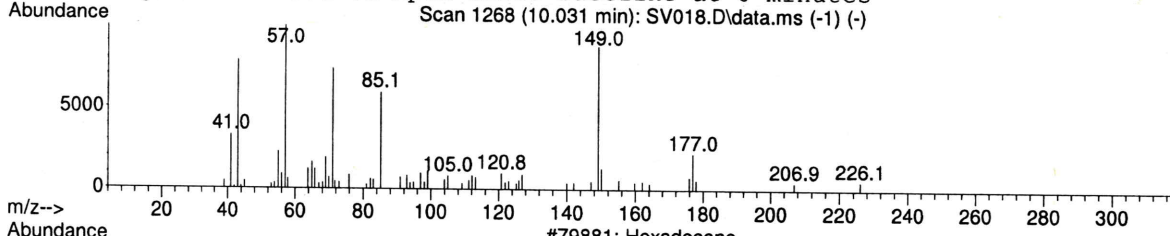
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

Peak Number: 13 at 9.810 min Area: 358701 Area % 0.27

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Benzene, (1,2-dimethylpropoxy)-	32935	062338-26-5	50
2 Carbonic acid, hexadecyl phenyl ...	178716	1000314-58-0	50
3 Carbonic acid, octadecyl phenyl ...	192104	1000314-58-1	50

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1268 (10.031 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 14 at 10.031 min Area: 450993 Area % 0.34

The 3 best hits from each library.

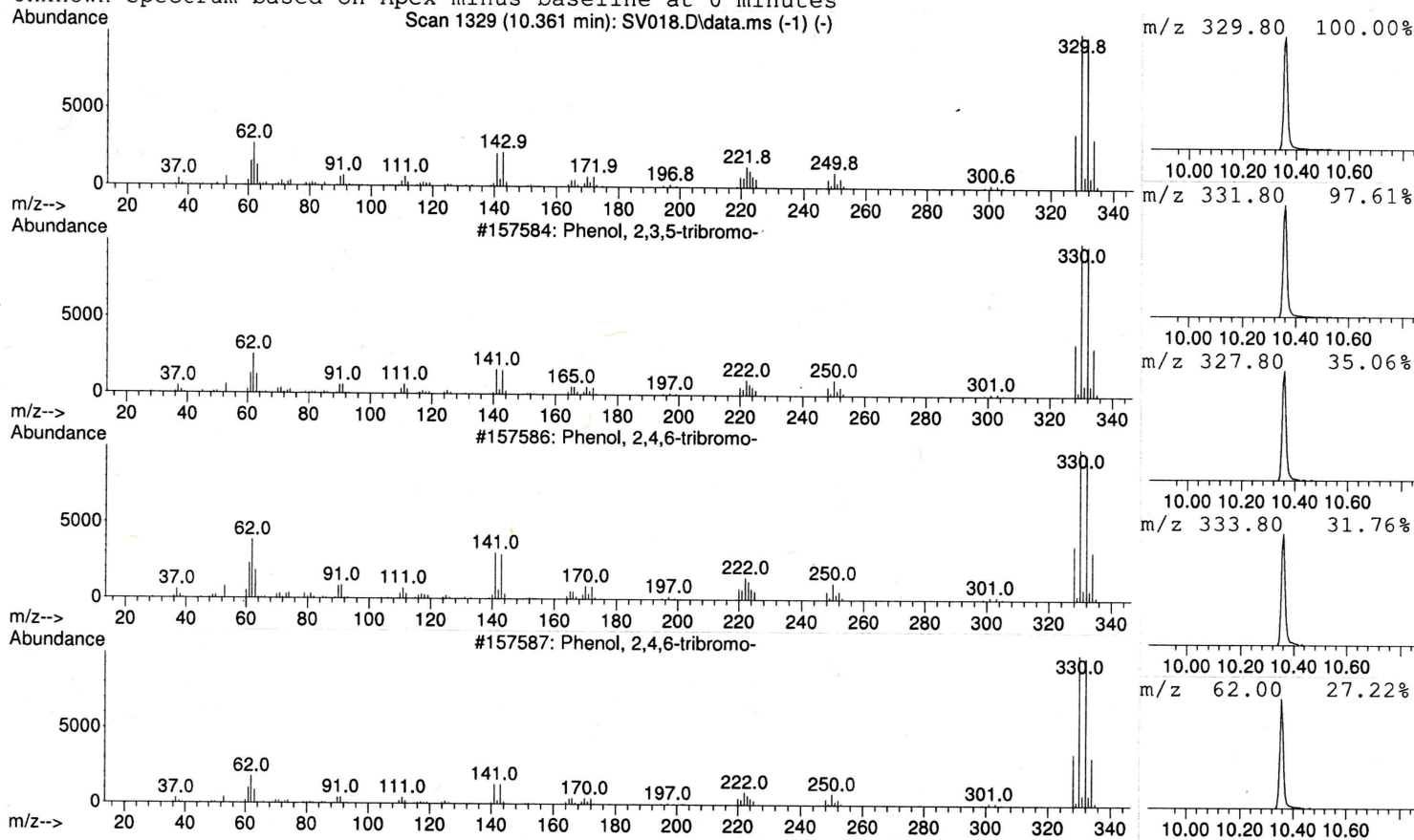
Ref\#	CAS\#	Qual
1	79881 000544-76-3	46
2	79878 000544-76-3	41
3	143752 035599-77-0	38

C:\Database\NIST08.L

- 1 Hexadecane
- 2 Hexadecane
- 3 Tridecane, 1-iodo-

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1329 (10.361 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 15 at 10.361 min Area: 3694853 Area % 2.75

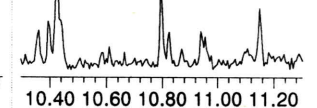
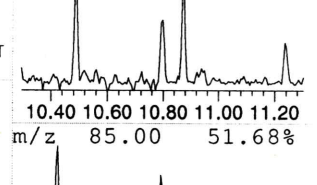
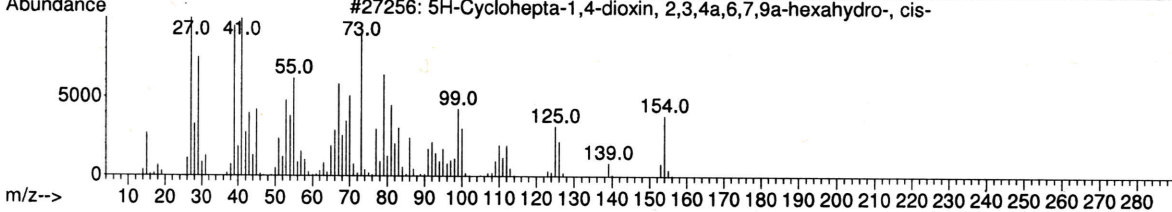
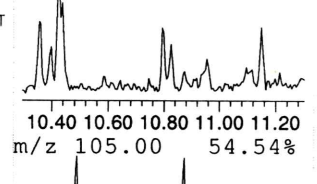
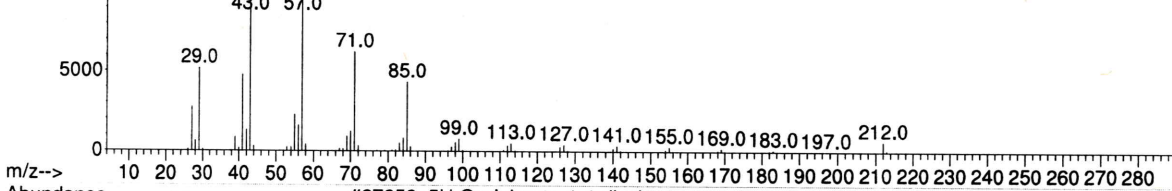
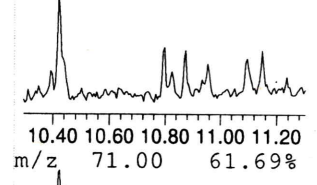
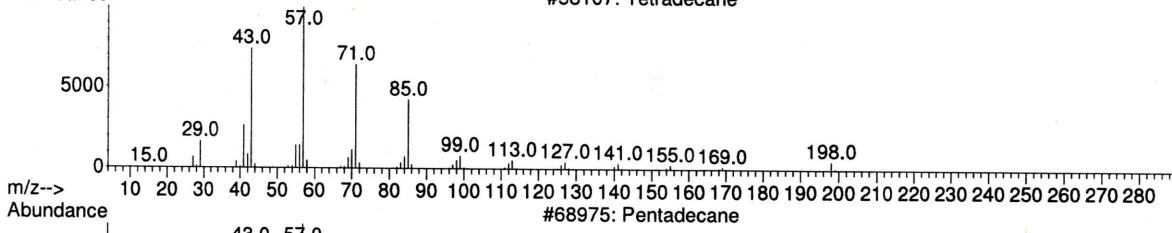
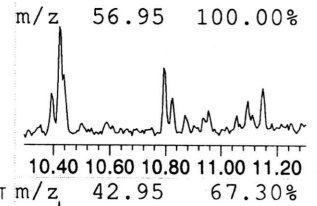
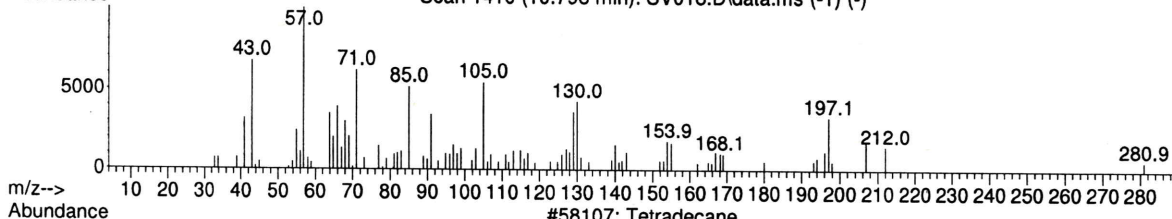
The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	057383-81-0	99
2	000118-79-6	99
3	000118-79-6	99

C:\Database\NIST08.L

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1410 (10.798 min): SV018.D\data.ms (-1) (-)



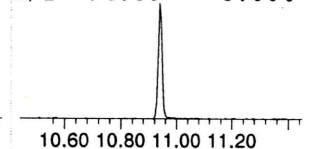
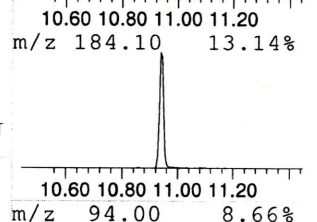
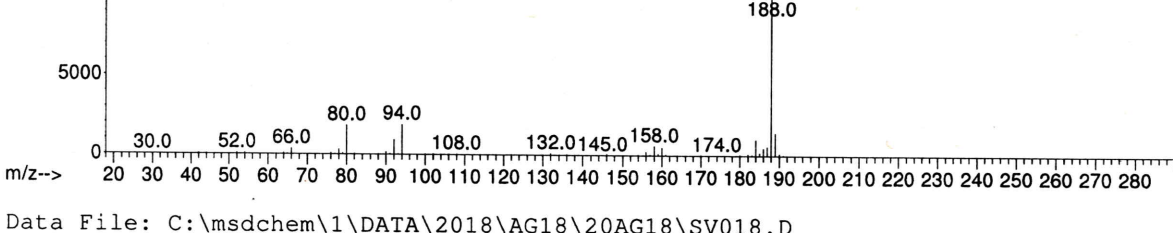
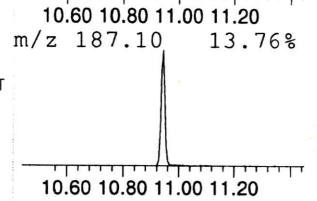
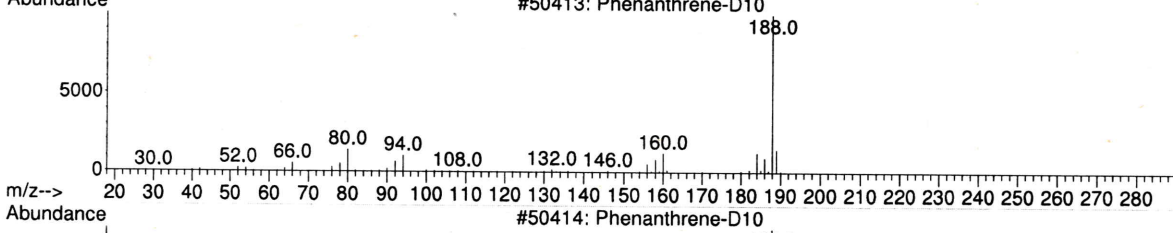
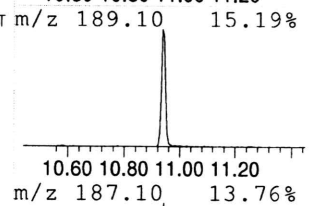
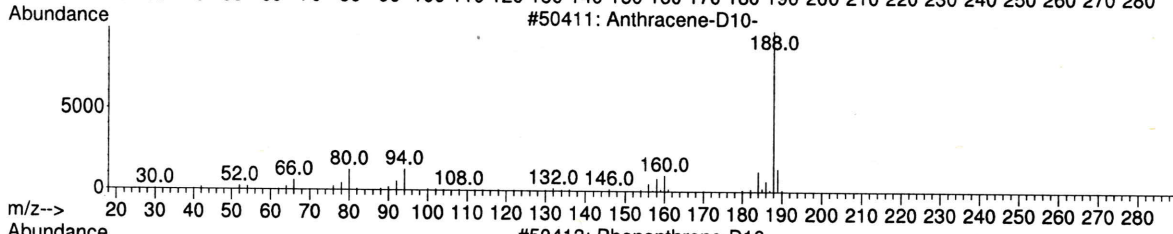
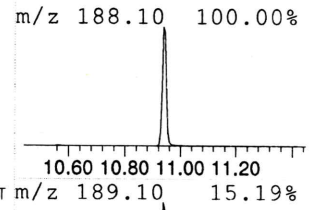
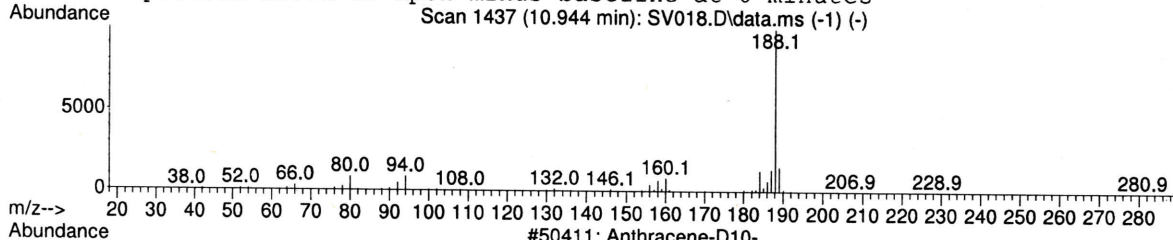
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 16 at 10.798 min Area: 773298 Area % 0.58

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Tetradecane	58107	000629-59-4	15
2 Pentadecane	68975	000629-62-9	15
3 5H-Cyclohepta-1,4-dioxin, 2,3,4a...	27256	055956-39-3	11

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1437 (10.944 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

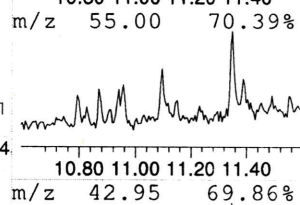
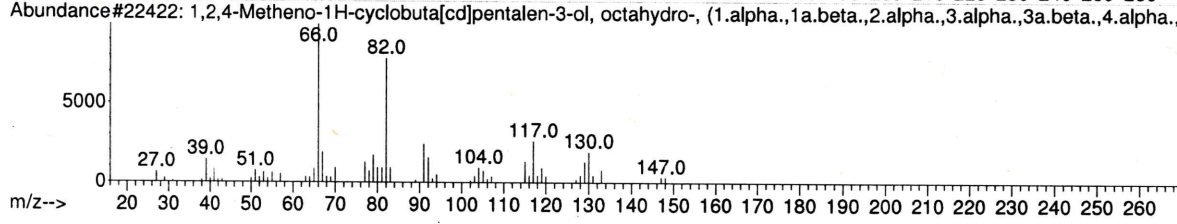
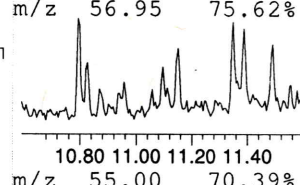
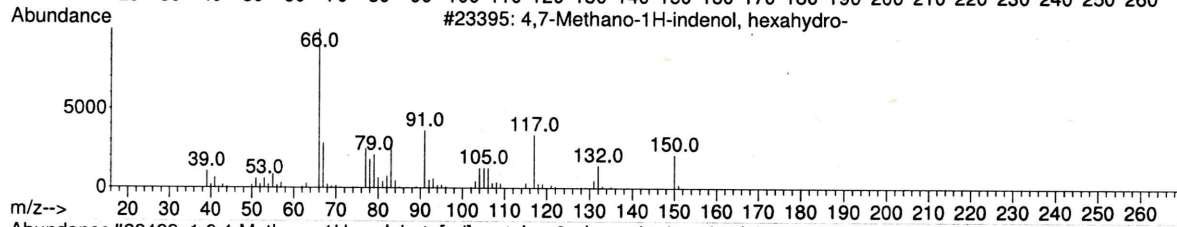
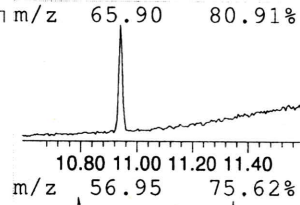
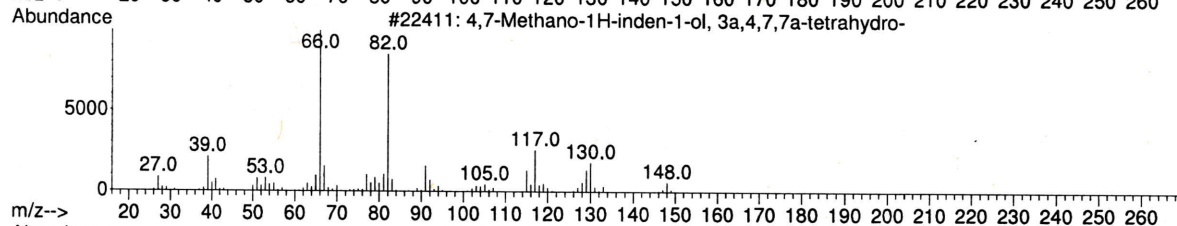
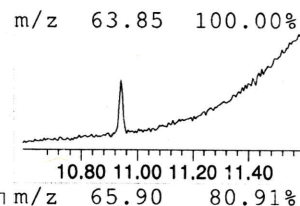
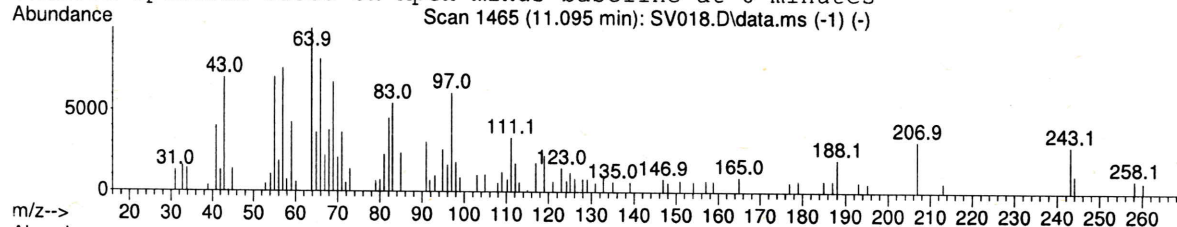
Peak Number: 17 at 10.944 min Area: 11433406 Area % 8.52

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	50411 001719-06-8	95
2	50413 001517-22-2	95
3	50414 001517-22-2	91

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1465 (11.095 min): SV018.D\data.ms (-1) (-)



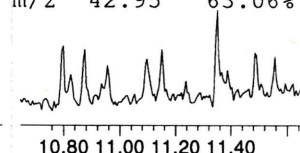
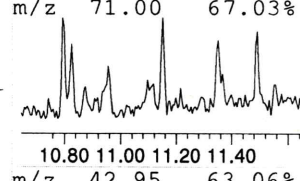
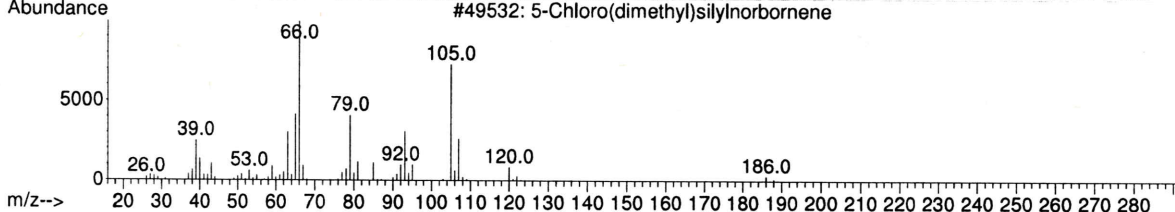
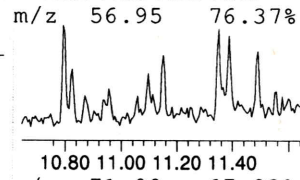
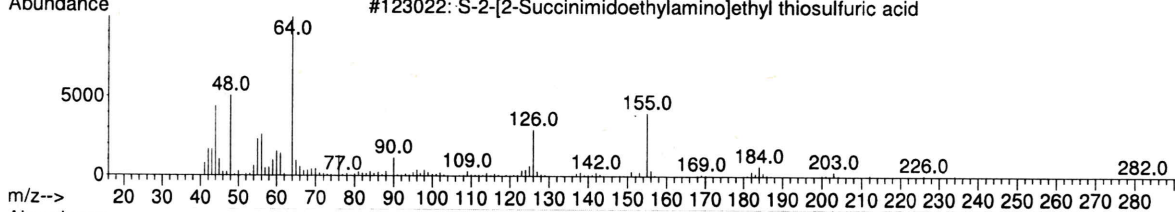
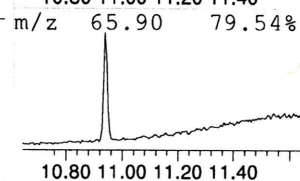
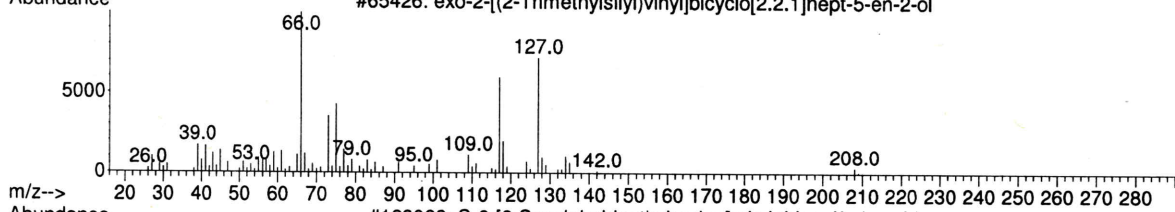
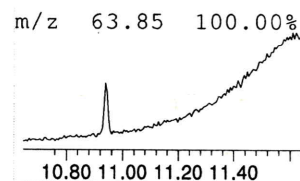
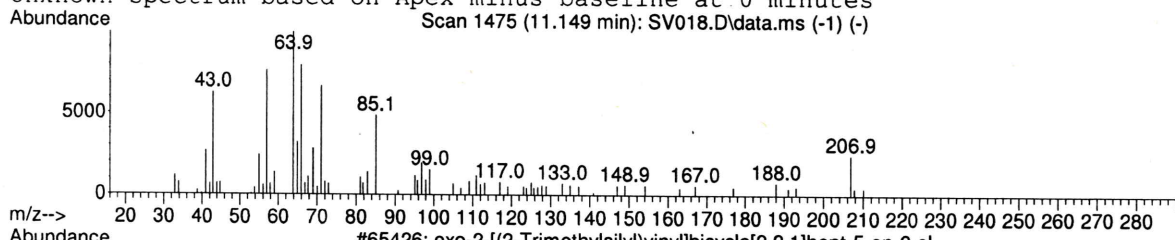
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 18 at 11.095 min Area: 839288 Area % 0.63

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 4,7-Methano-1H-inden-1-ol, 3a,4,...	22411	006814-80-8	30
2 4,7-Methano-1H-indenol, hexahydro-	23395	037275-49-3	27
3 1,2,4-Metheno-1H-cyclobuta[cd]pe...	22422	013351-15-0	27

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

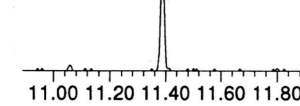
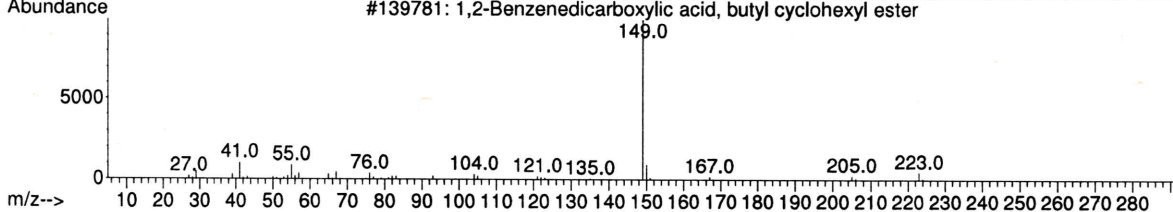
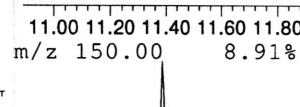
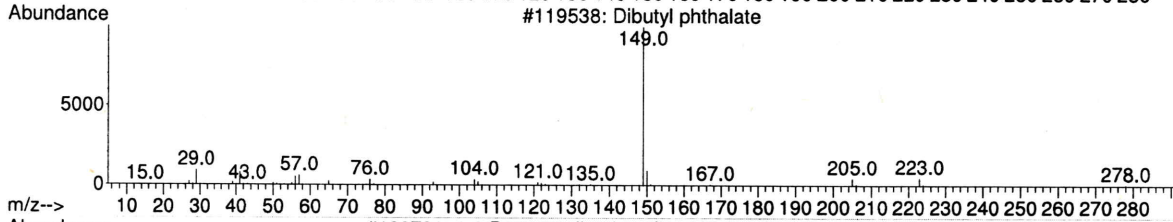
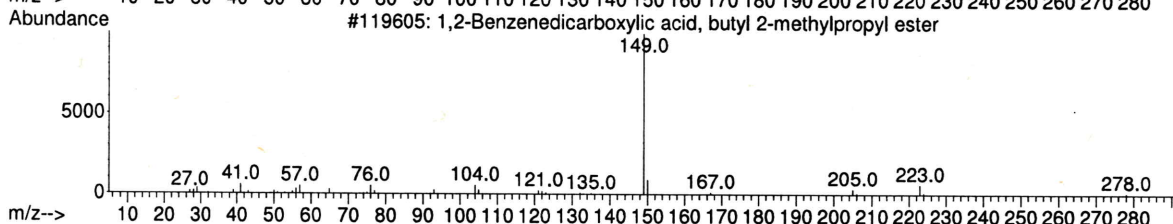
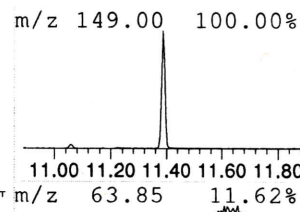
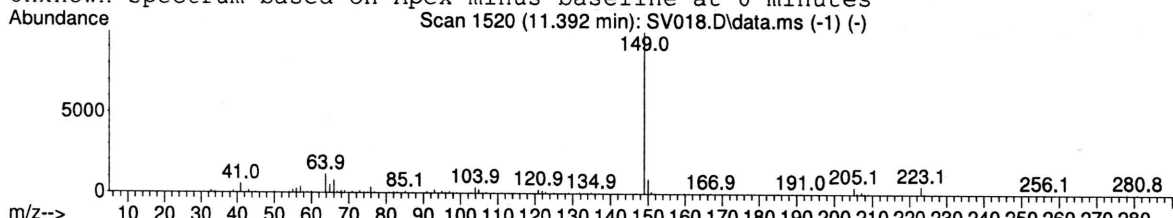
Peak Number: 19 at 11.149 min Area: 257308 Area % 0.19

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	65426	27
2	123022	27
3	49532	27

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



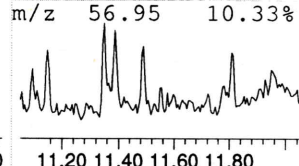
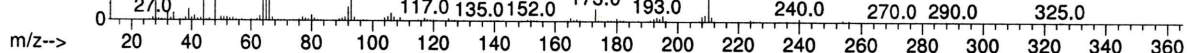
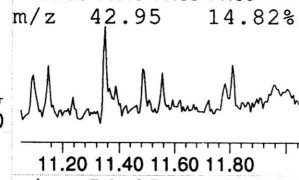
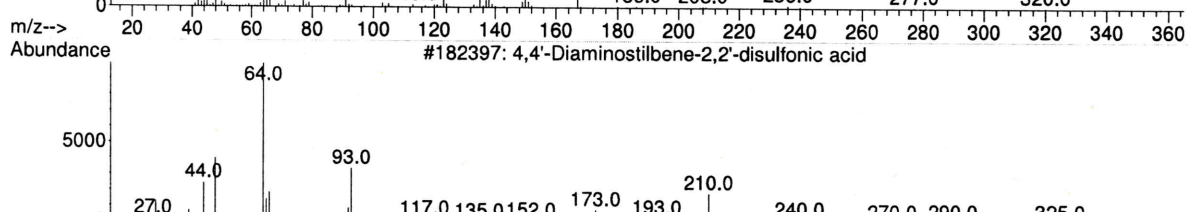
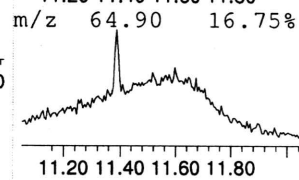
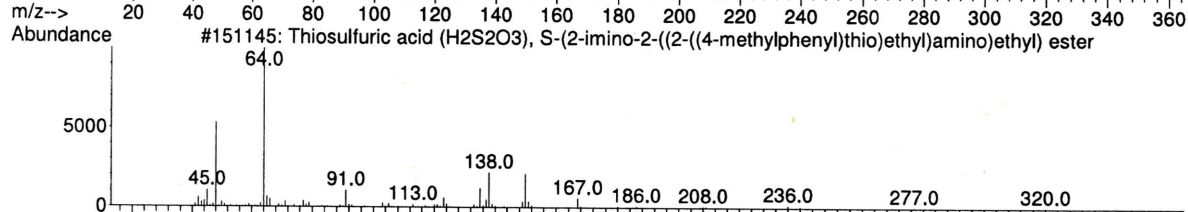
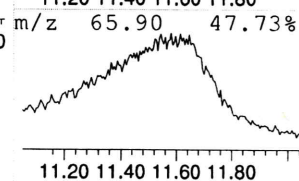
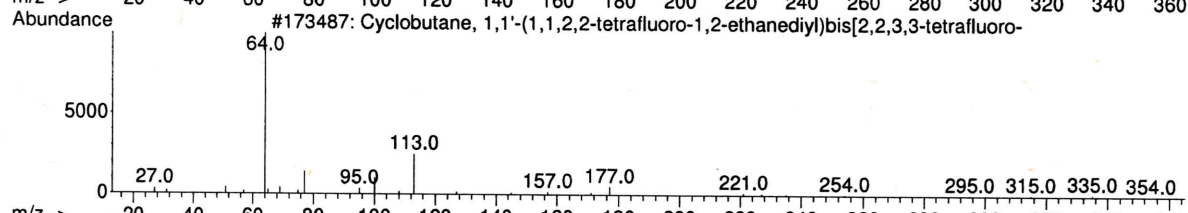
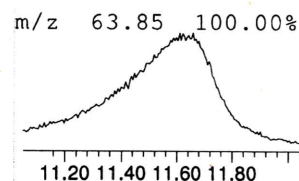
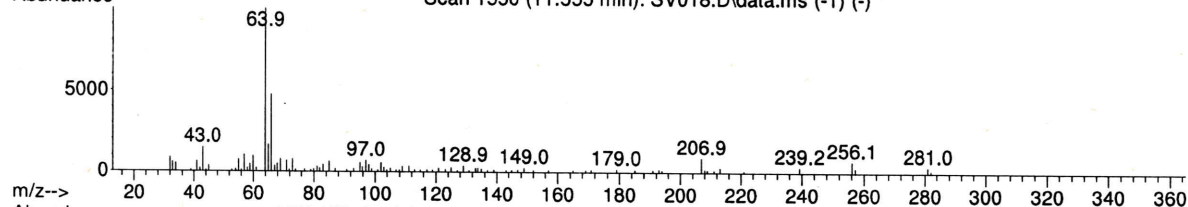
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

Peak Number: 20 at 11.392 min Area: 3154174 Area % 2.35

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 1,2-Benzenedicarboxylic acid, bu...	119605	017851-53-5	81
2 Dibutyl phthalate	119538	000084-74-2	81
3 1,2-Benzenedicarboxylic acid, bu...	139781	000084-64-0	72

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1550 (11.555 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

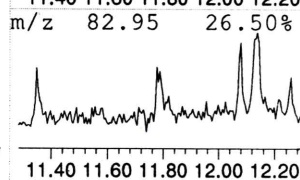
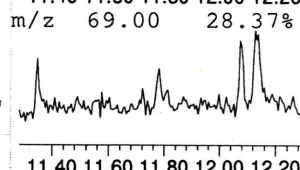
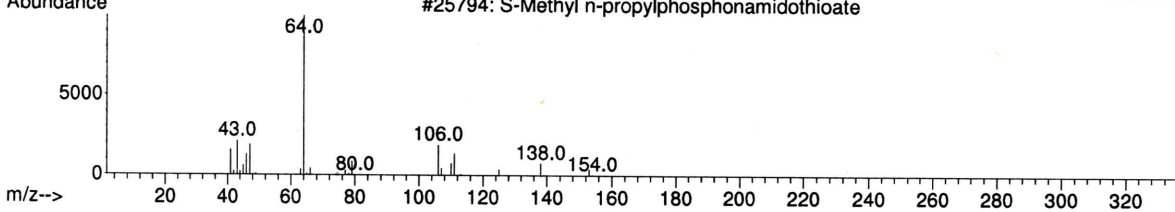
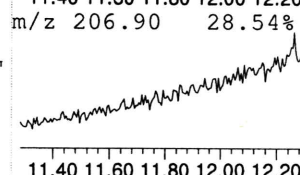
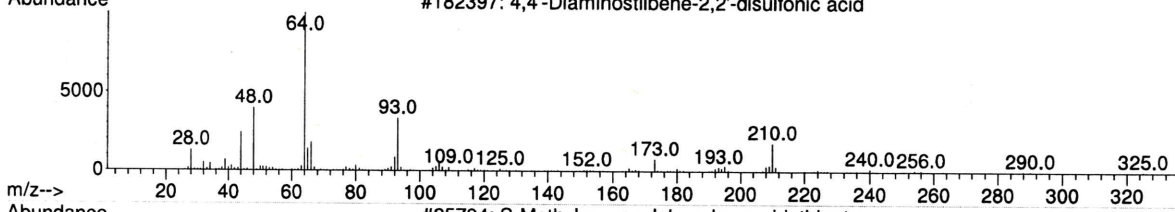
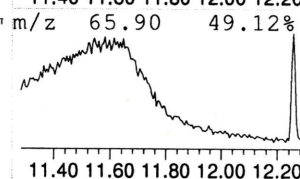
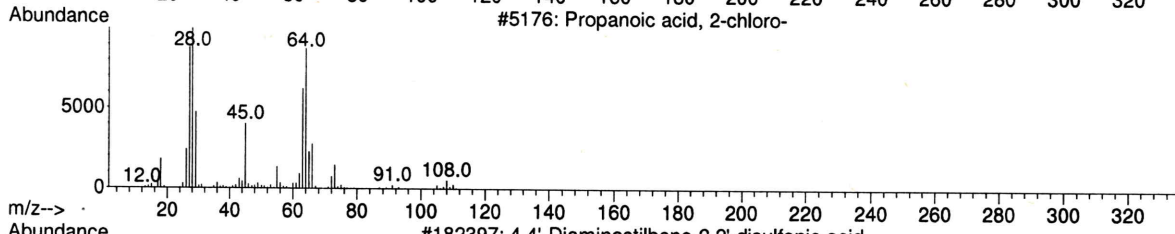
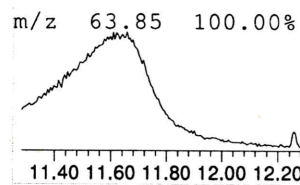
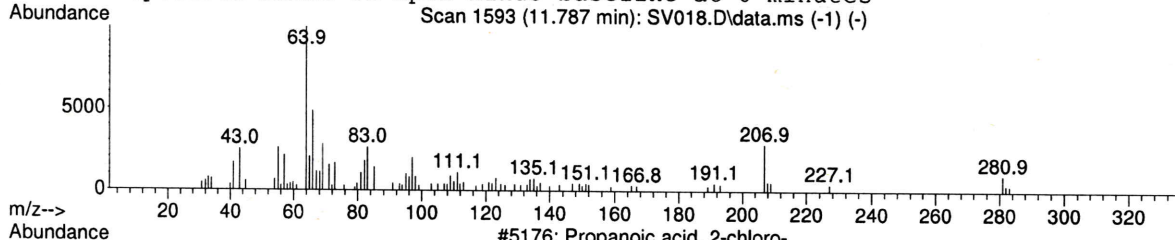
Peak Number: 21 at 11.555 min Area: 4699423 Area % 3.50

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	173487	28
2	151145	9
3	182397	9

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1593 (11.787 min): SV018.D\data.ms (-1) (-)



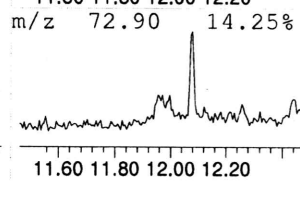
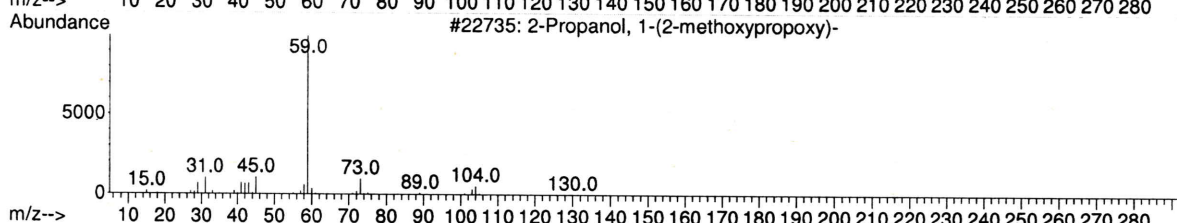
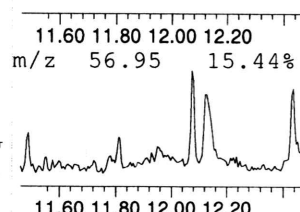
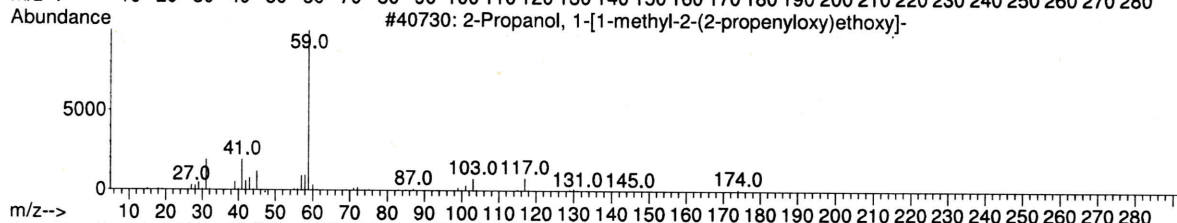
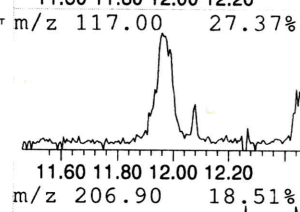
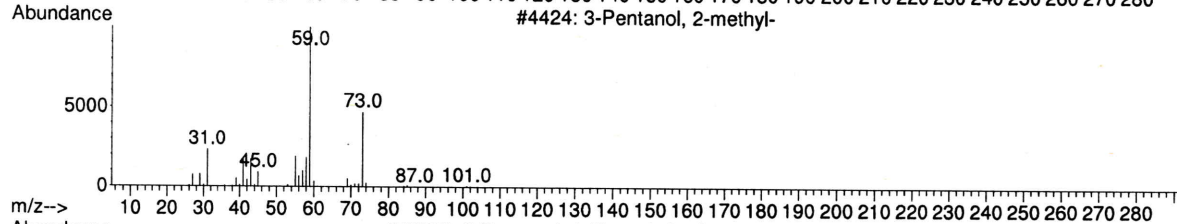
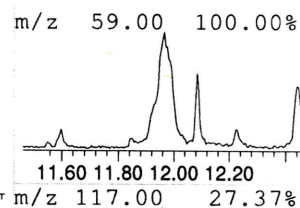
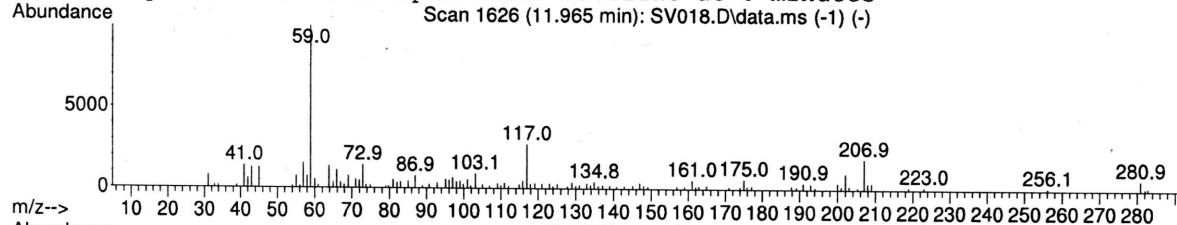
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 22 at 11.787 min Area: 1104831 Area % 0.82

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Propanoic acid, 2-chloro-	5176	000598-78-7	42
2 4,4'-Diaminostilbene-2,2'-disulf...	182397	000081-11-8	38
3 S-Methyl n-propylphosphonamidoth...	25794	1000306-04-5	38

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1626 (11.965 min): SV018.D\data.ms (-1) (-)



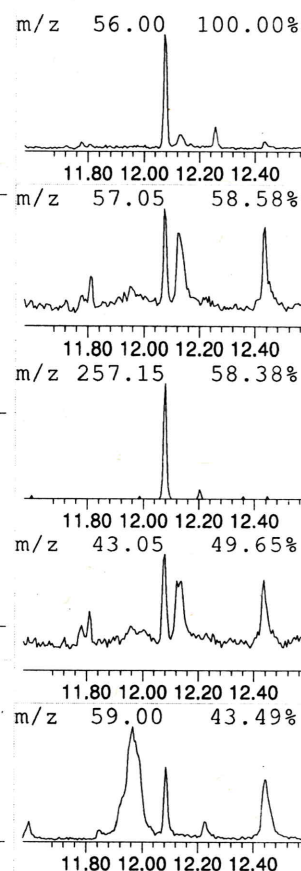
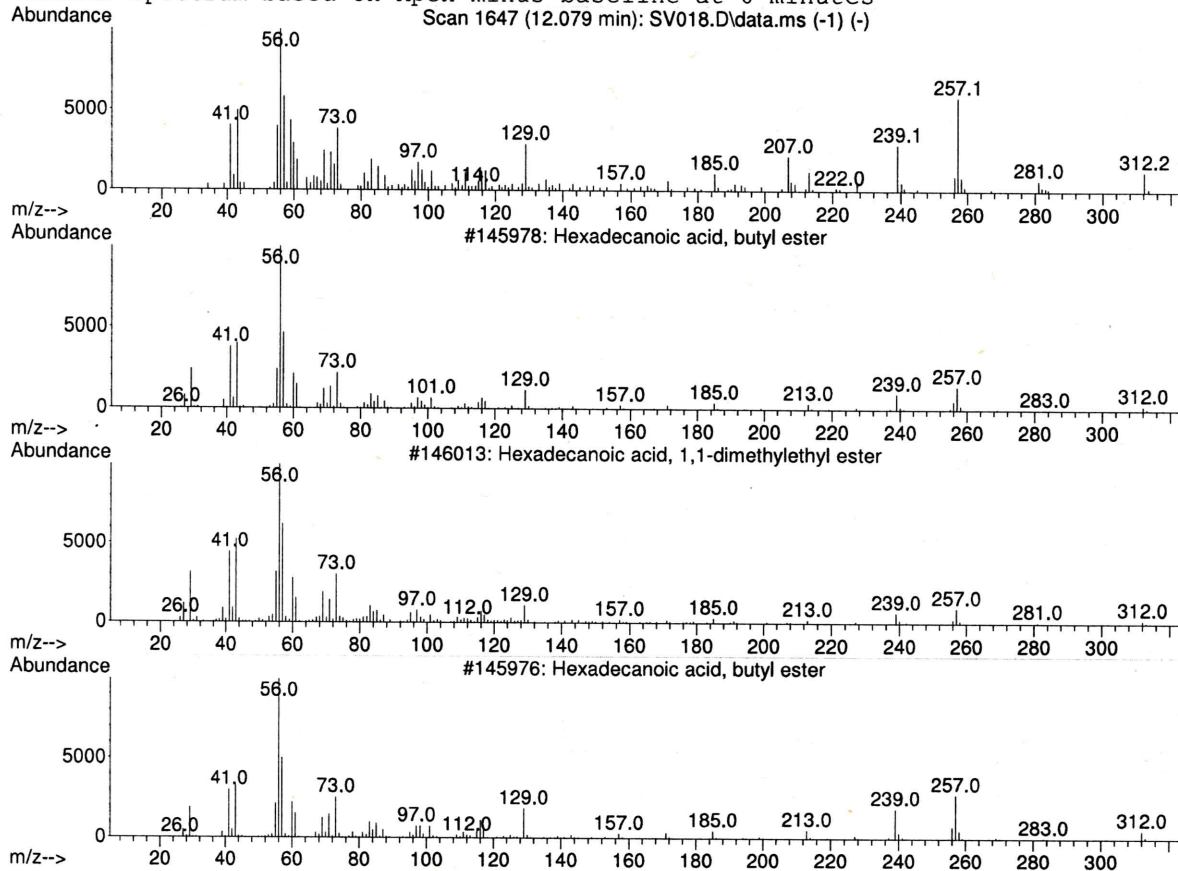
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 23 at 11.965 min Area: 2019125 Area % 1.50

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 3-Pentanol, 2-methyl-	4424	000565-67-3	43
2 2-Propanol, 1-[1-methyl-2-(2-pro...	40730	055956-25-7	43
3 2-Propanol, 1-(2-methoxypropoxy)-	22735	013429-07-7	43

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1647 (12.079 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

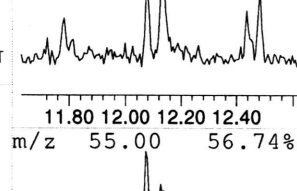
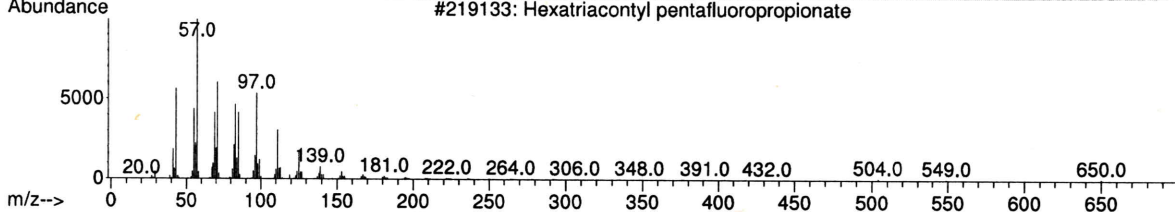
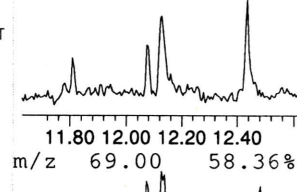
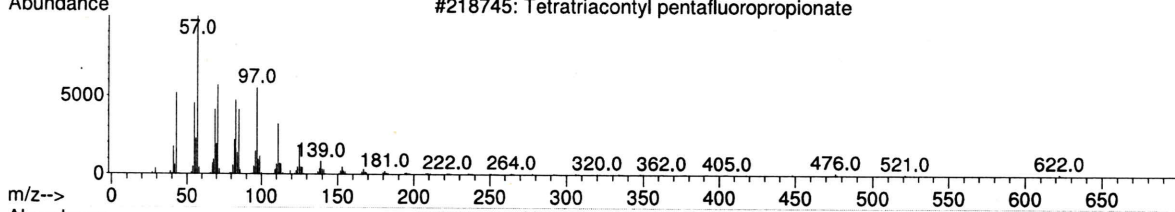
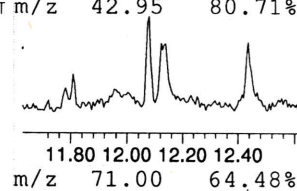
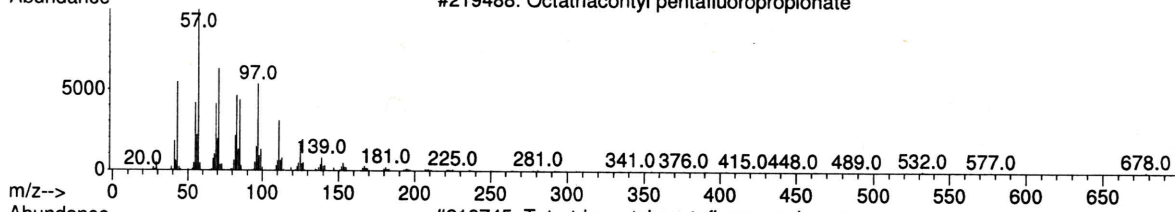
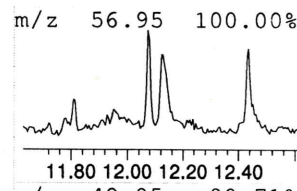
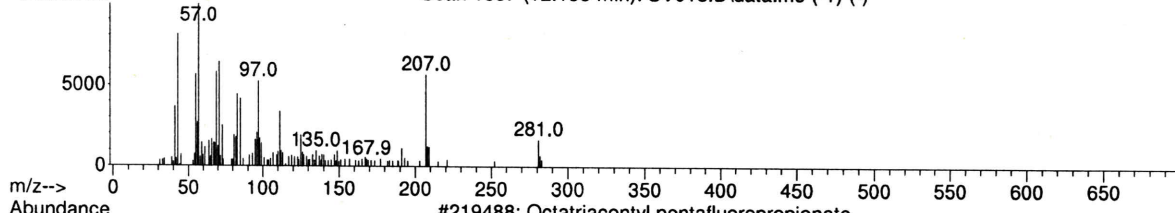
Peak Number: 24 at 12.079 min Area: 975792 Area % 0.73

The 3 best hits from each library.

	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Hexadecanoic acid, butyl ester	145978	000111-06-8	93
2 Hexadecanoic acid, 1,1-dimethyle...	146013	031158-91-5	86
3 Hexadecanoic acid, butyl ester	145976	000111-06-8	53

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1657 (12.133 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 25 at 12.133 min Area: 1034967 Area % 0.77

The 3 best hits from each library.

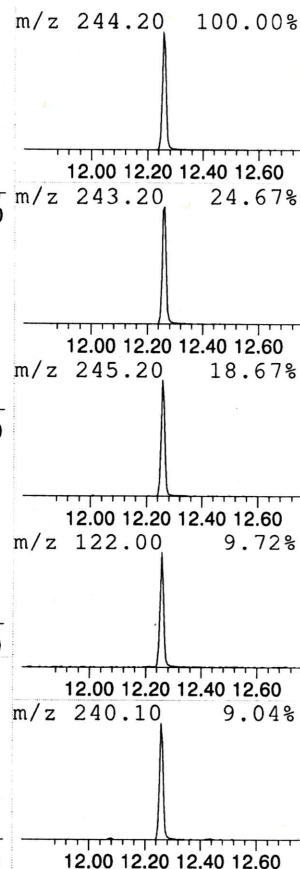
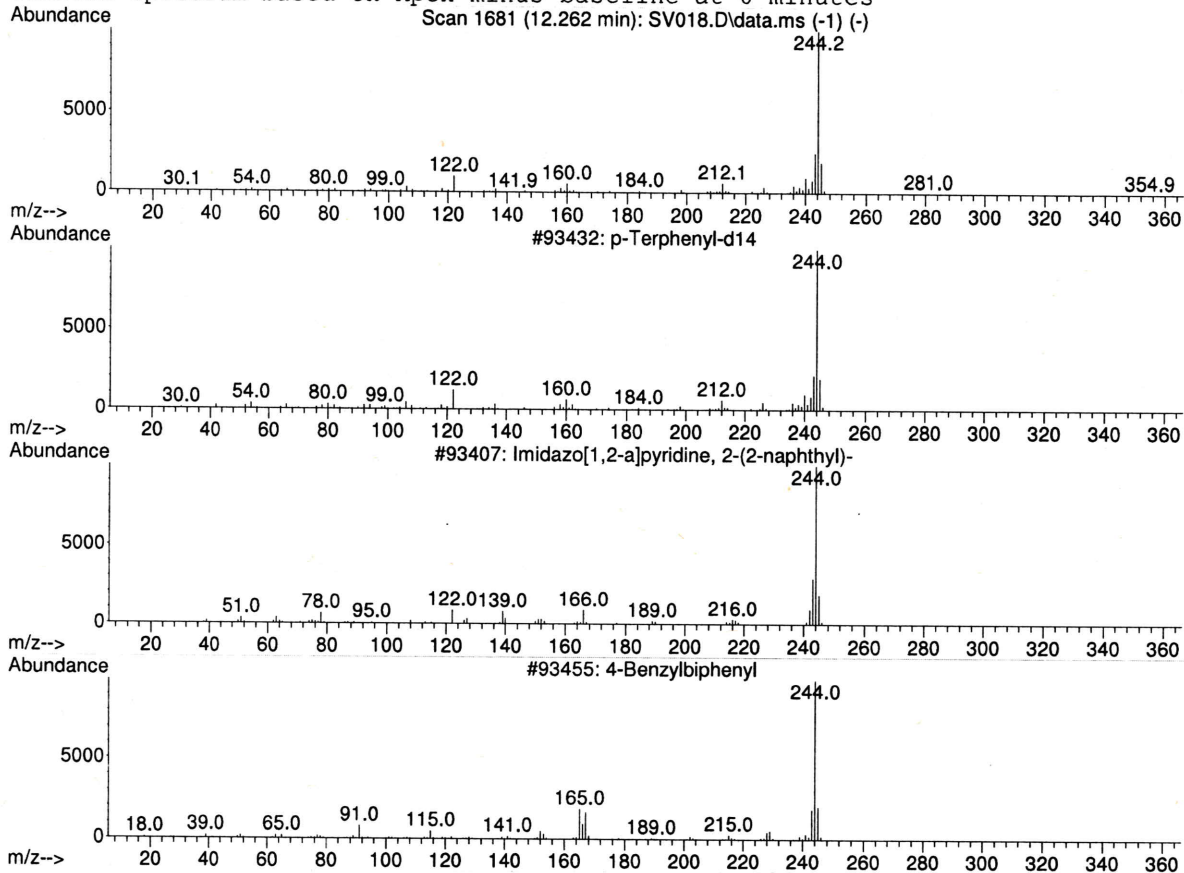
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Octatriacontyl pentafluoropropio...	219488	1000351-89-1	70
2 Tetratriacontyl pentafluoropropi...	218745	1000351-81-5	70
3 Hexatriacontyl pentafluoropropio...	219133	1000351-89-0	70

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes

Scan 1681 (12.262 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

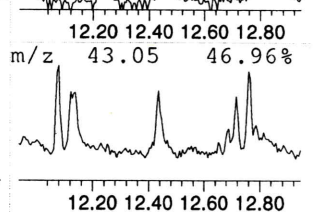
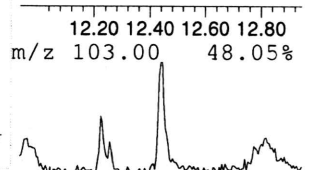
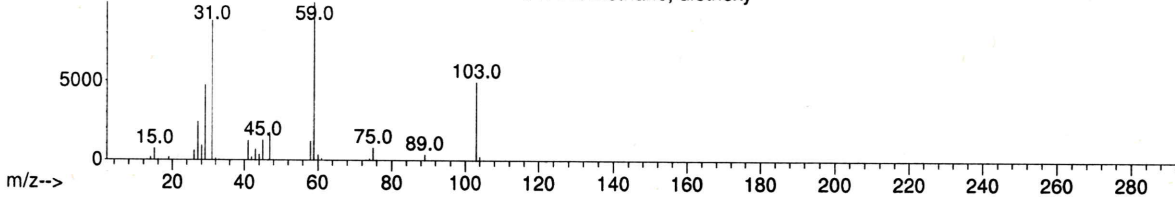
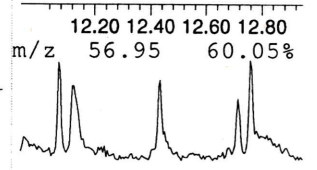
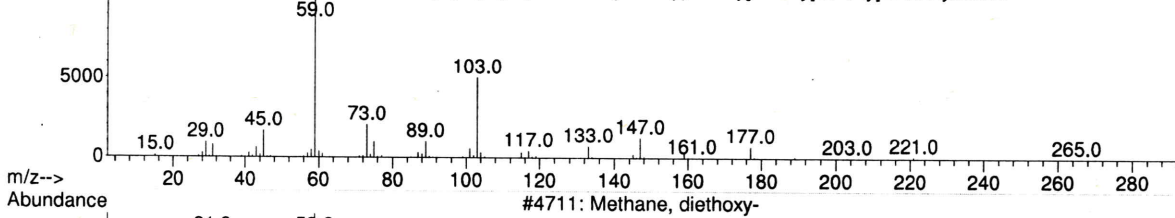
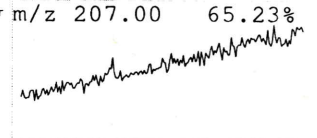
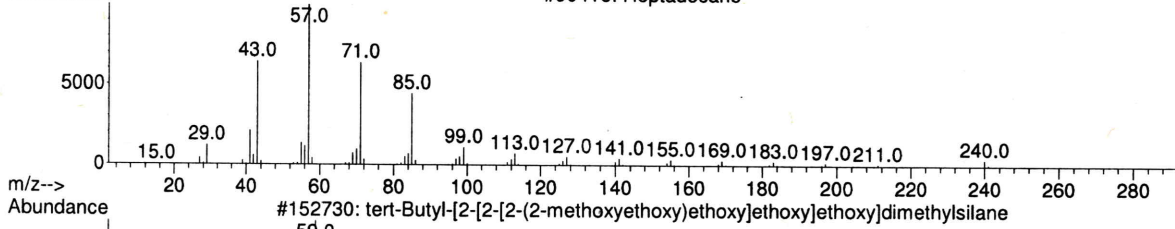
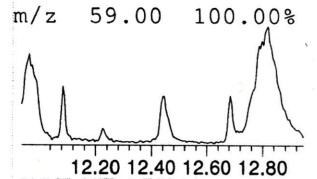
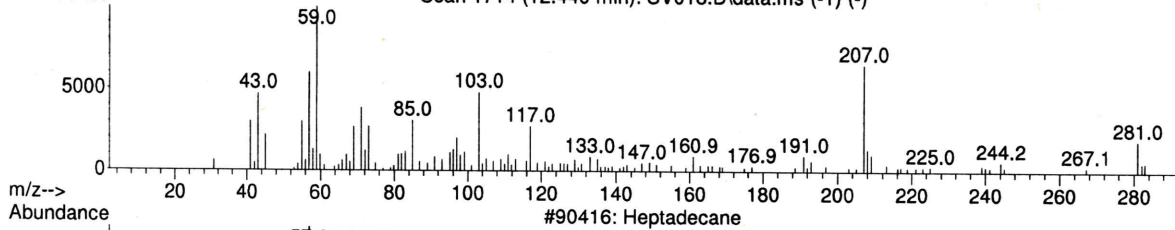
Peak Number: 26 at 12.262 min Area: 10024617 Area % 7.47

The 3 best hits from each library.

	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 p-Terphenyl-d14	93432	001718-51-0	99
2 Imidazo[1,2-a]pyridine, 2-(2-nap...)	93407	038922-71-3	80
3 4-Benzylbiphenyl	93455	000613-42-3	64

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1714 (12.440 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

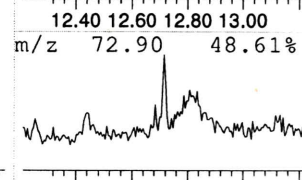
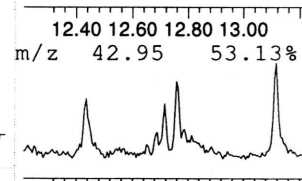
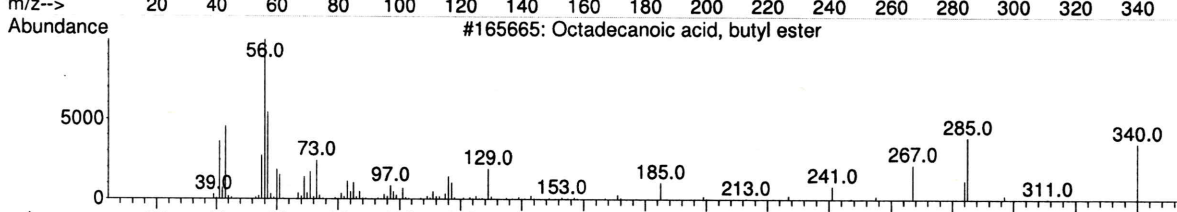
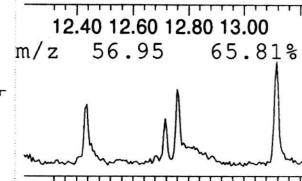
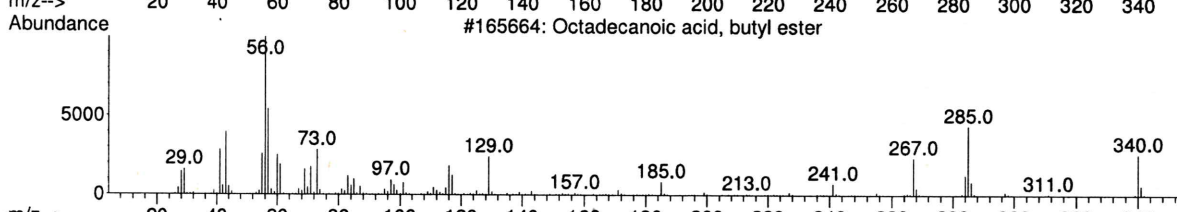
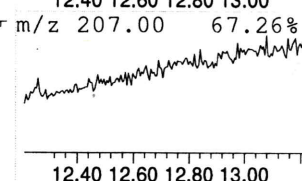
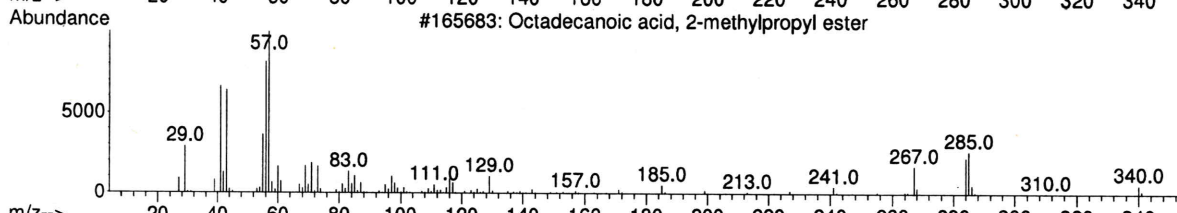
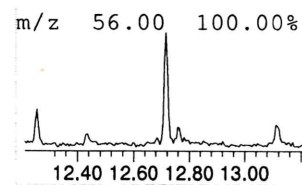
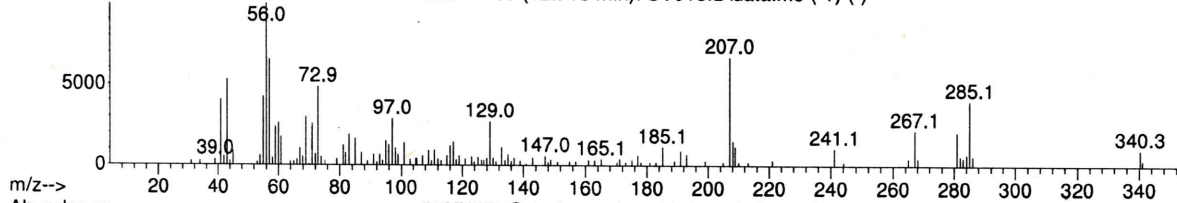
Peak Number: 27 at 12.440 min Area: 2089394 Area % 1.56

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Heptadecane	90416	000629-78-7	53
2 tert-Butyl-[2-[2-[2-(2-methoxyet...	152730	1000352-09-6	35
3 Methane, diethoxy-	4711	000462-95-3	25

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1765 (12.716 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

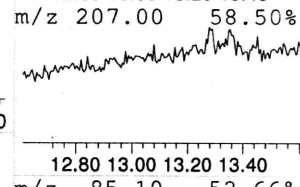
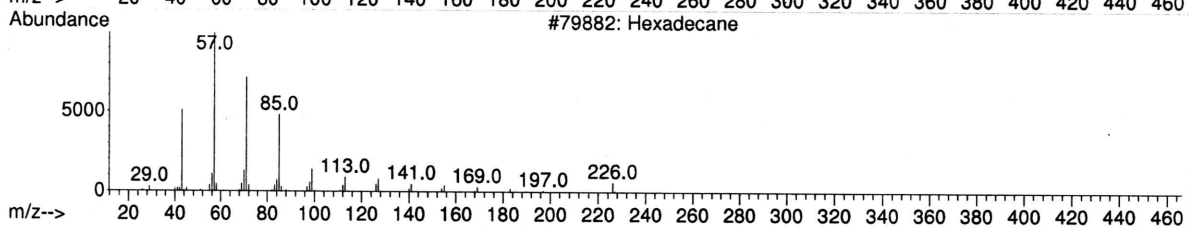
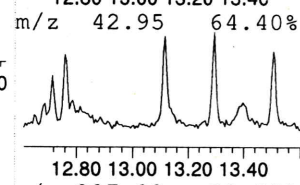
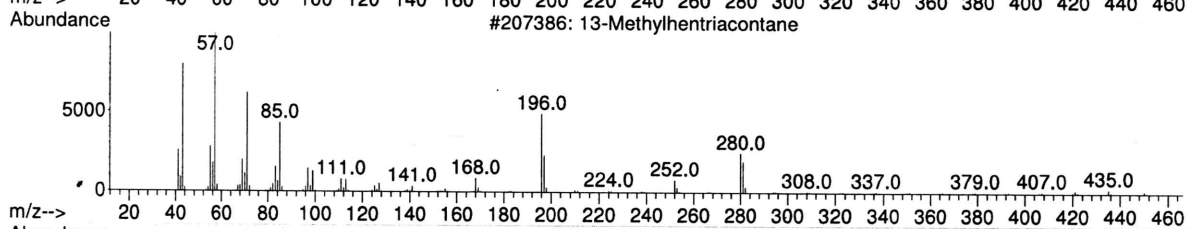
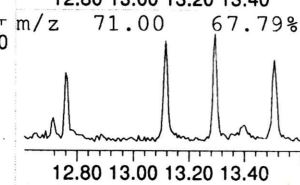
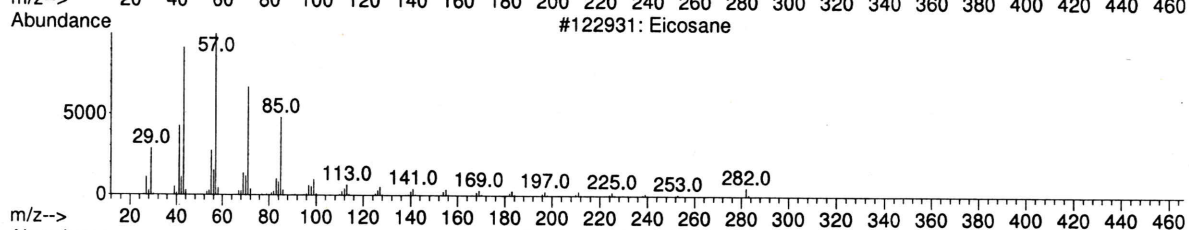
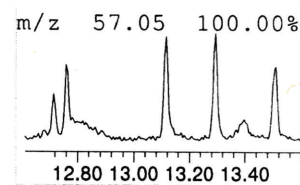
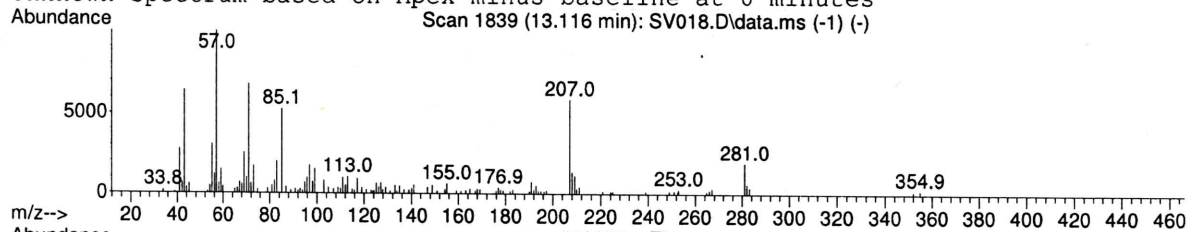
Peak Number: 28 at 12.716 min Area: 4543838 Area % 3.39

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 Octadecanoic acid, 2-methylpropy...	165683	000646-13-9	91
2 Octadecanoic acid, butyl ester	165664	000123-95-5	86
3 Octadecanoic acid, butyl ester	165665	000123-95-5	86

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1839 (13.116 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

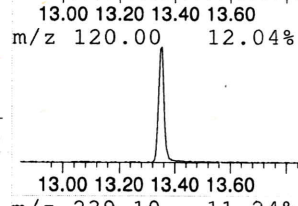
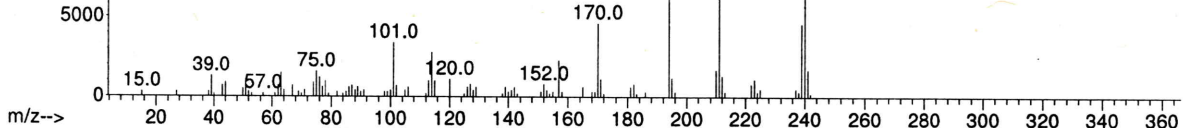
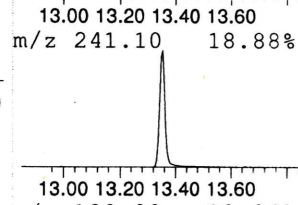
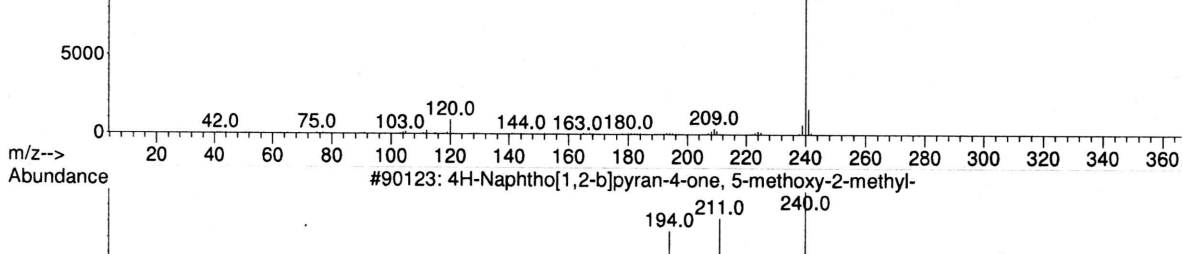
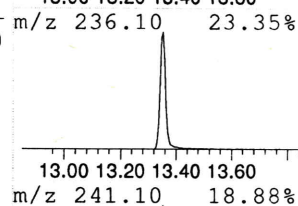
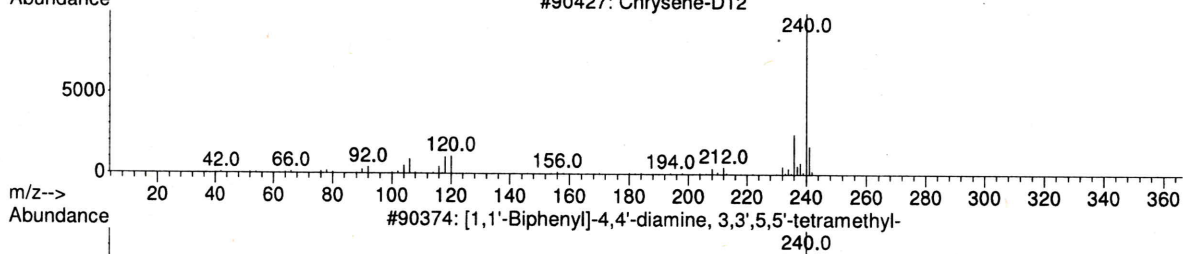
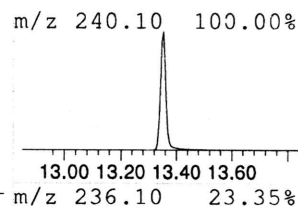
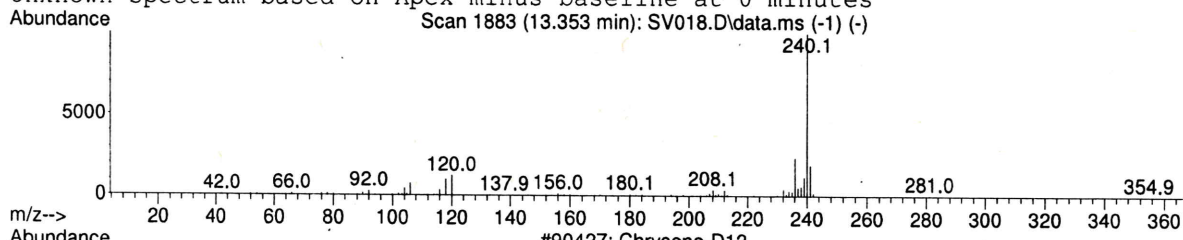
Peak Number: 29 at 13.116 min Area: 1706814 Area % 1.27

The 3 best hits from each library.			
	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1	Eicosane	122931 000112-95-8	90
2	13-Methylhentriacontane	207386 1000131-19-4	53
3	Hexadecane	79882 000544-76-3	46

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

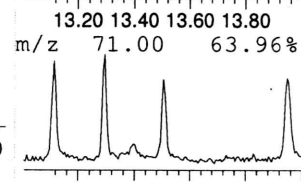
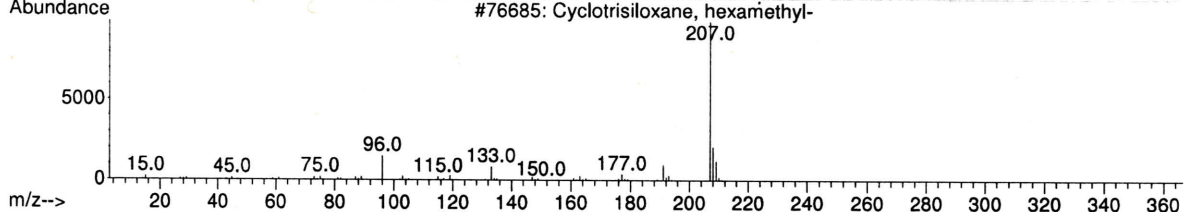
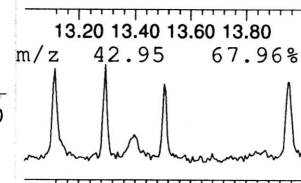
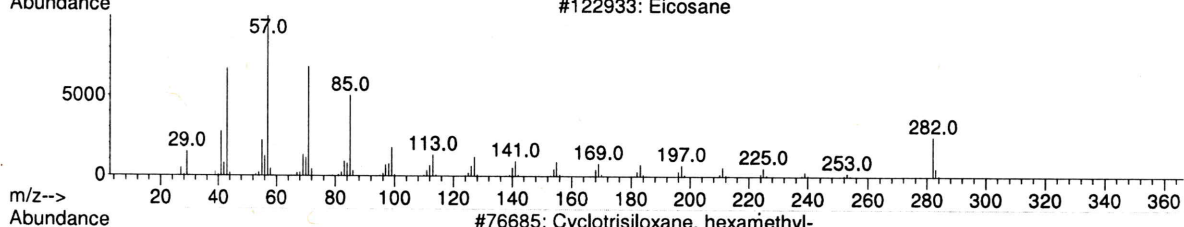
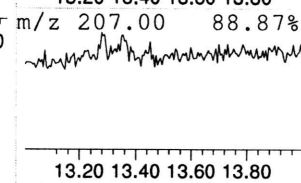
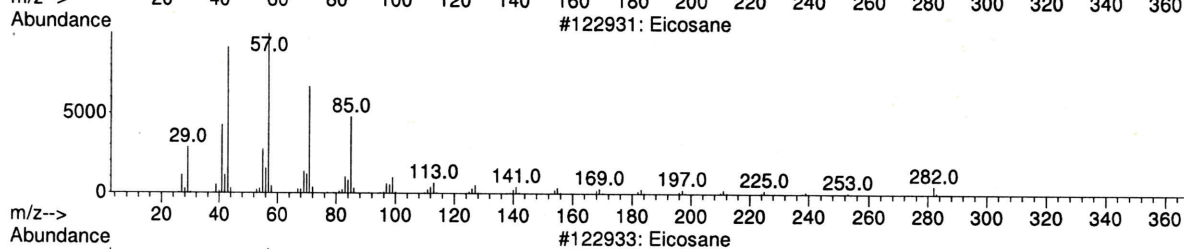
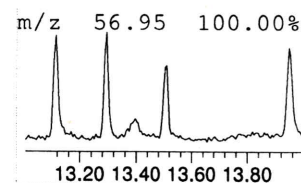
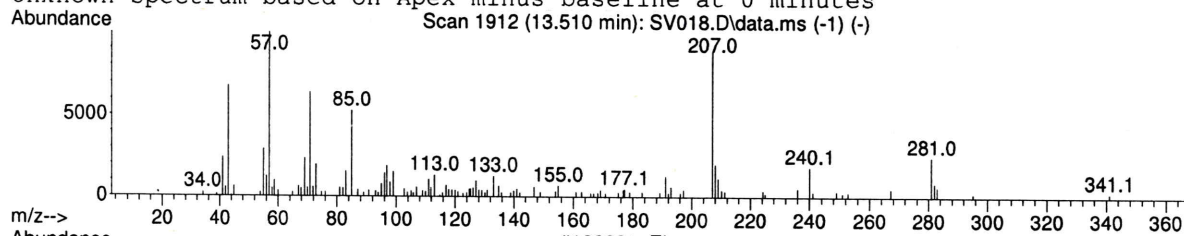
Peak Number: 30 at 13.353 min Area: 14828930 Area % 11.05

The 3 best hits from each library.

Ref\#	CAS\#	Qual
1	90427	96
2	90374	58
3	90123	53

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 1912 (13.510 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 31 at 13.510 min Area: 932666 Area % 0.69

The 3 best hits from each library.

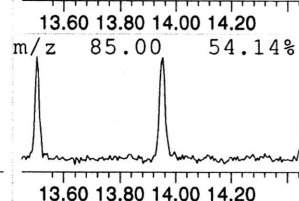
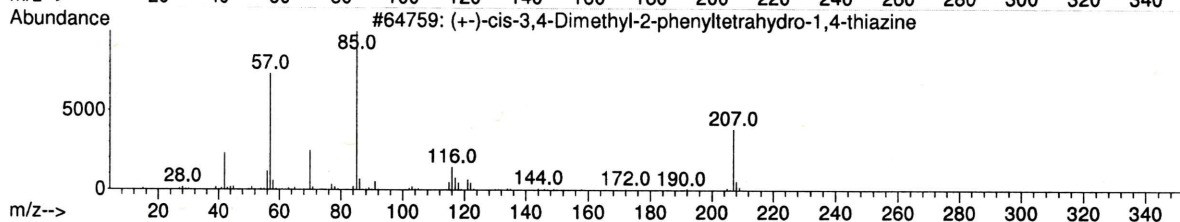
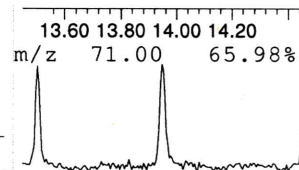
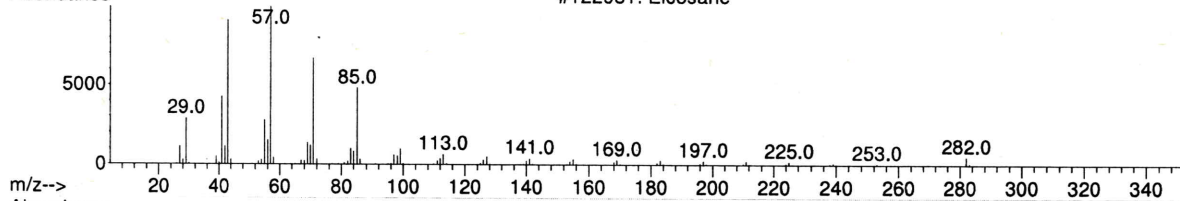
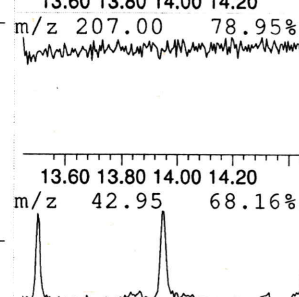
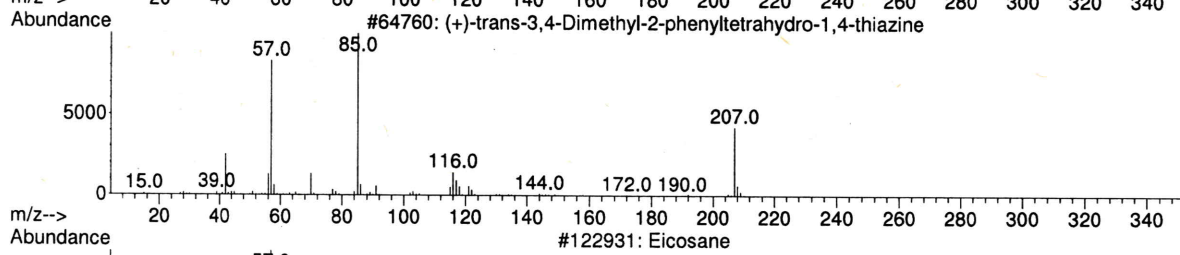
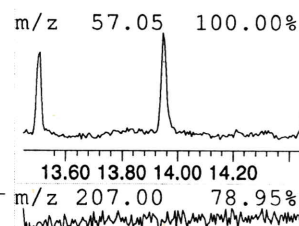
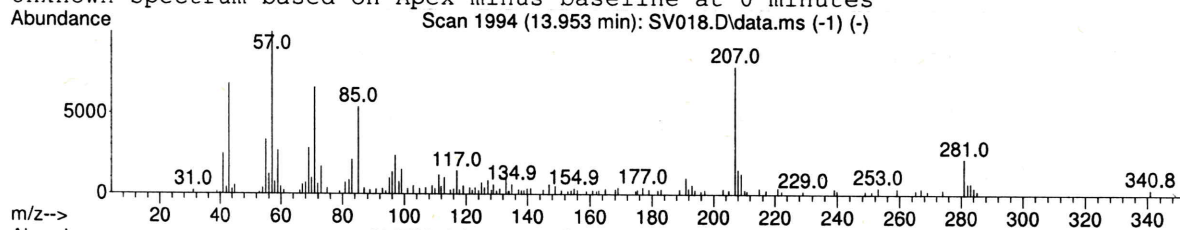
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	122931 000112-95-8	51
2	122933 000112-95-8	38
3	76685 000541-05-9	30

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
 Sample : 832275-1

Peak Number: 32 at 13.953 min Area: 2234371 Area % 1.66

The 3 best hits from each library.

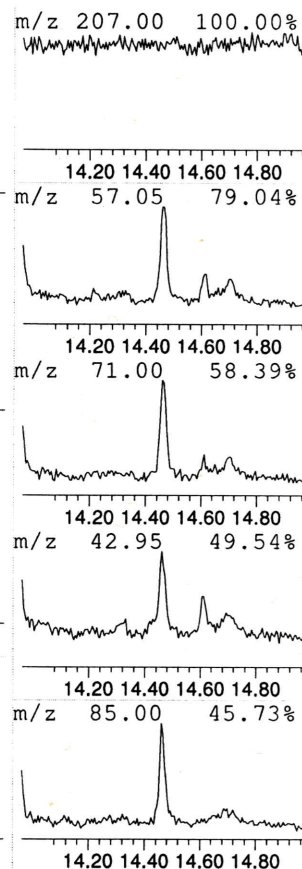
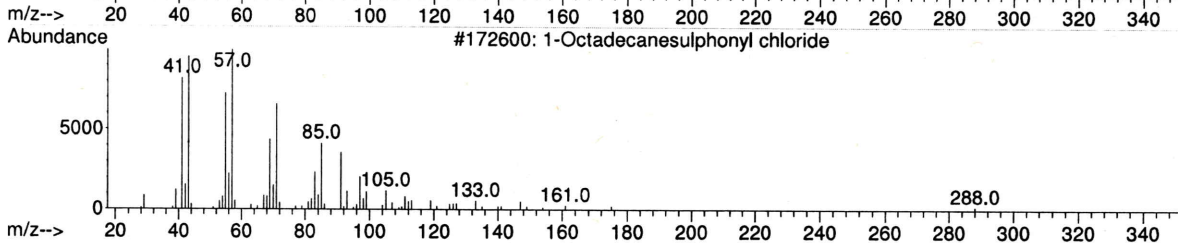
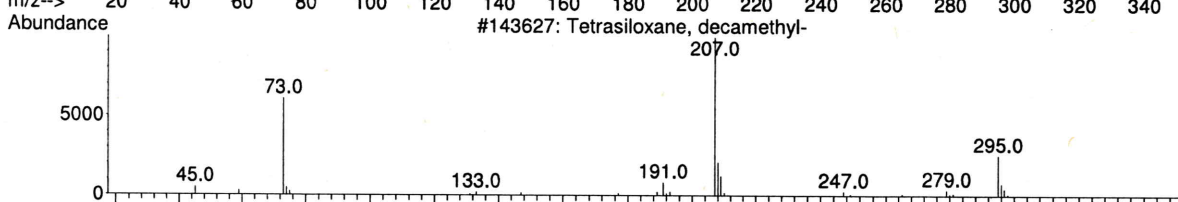
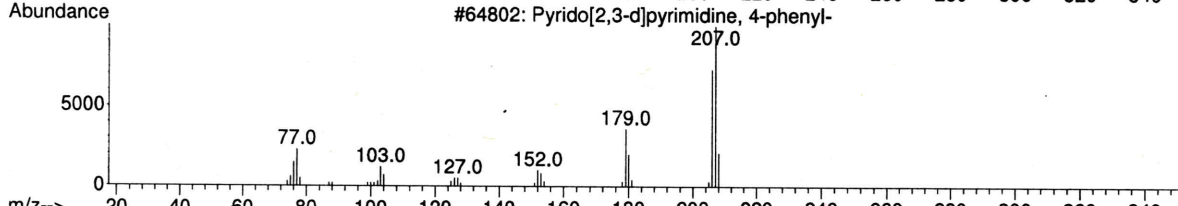
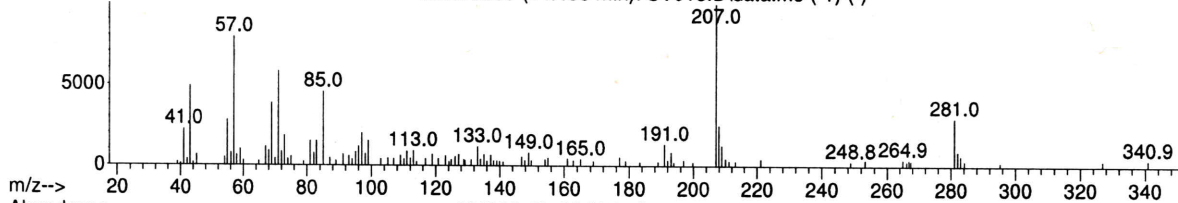
Ref\# CAS\# Qual

C:\Database\NIST08.L

1	(+)-trans-3,4-Dimethyl-2-phenylt...	64760	1000244-64-9	50
2	Eicosane	122931	000112-95-8	44
3	(+)-cis-3,4-Dimethyl-2-phenylte...	64759	092772-63-9	43

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 2089 (14.466 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 33 at 14.466 min Area: 680588 Area % 0.51

The 3 best hits from each library.

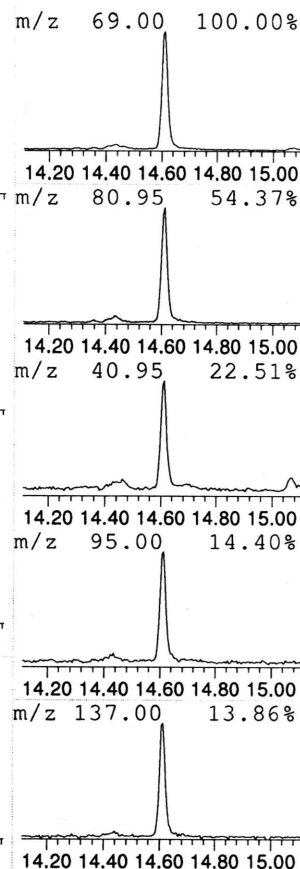
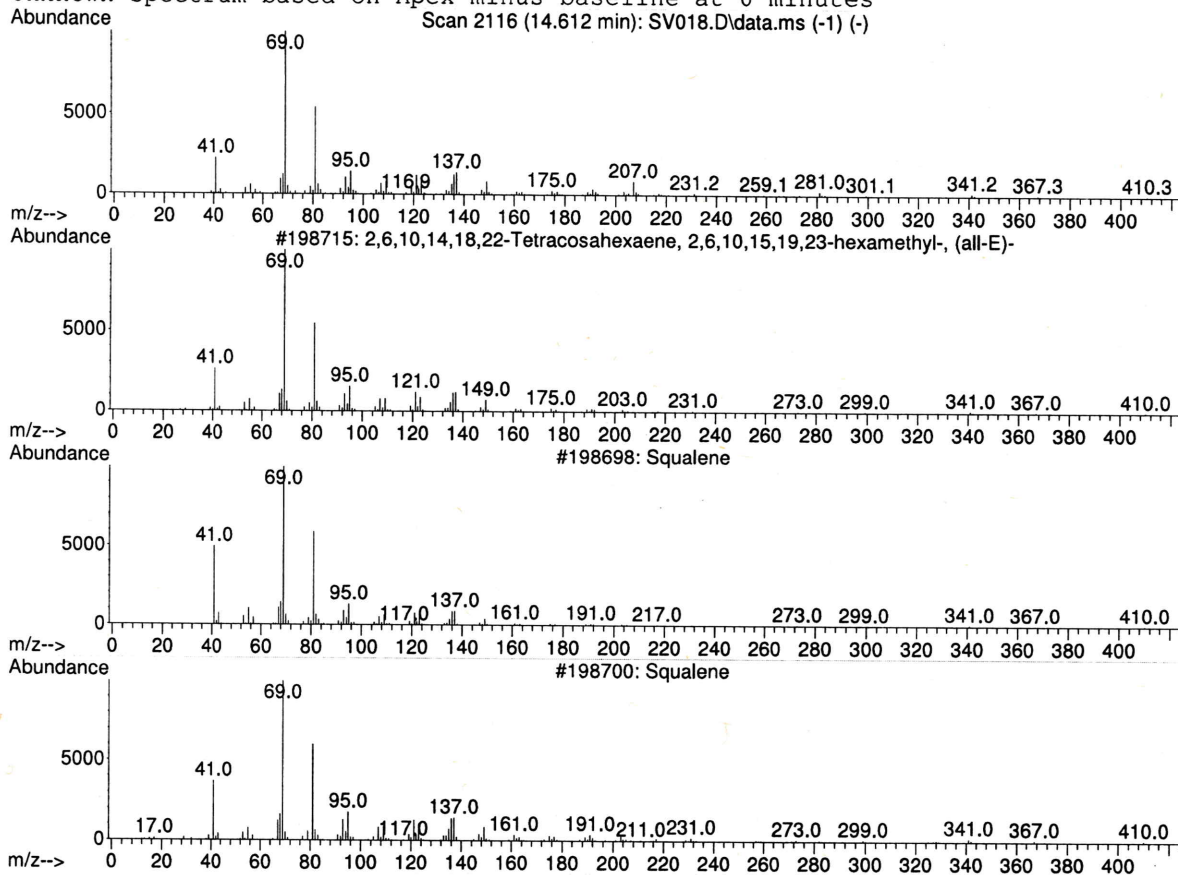
Ref\# CAS\# Qual

C:\Database\NIST08.L

1	Pyrido[2,3-d]pyrimidine, 4-phenyl-	64802	028732-75-4	38
2	Tetrasiloxane, decamethyl-	143627	000141-62-8	35
3	1-Octadecanesulphonyl chloride	172600	1000342-70-4	30

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 2116 (14.612 min): SV018.D\data.ms (-1) (-)



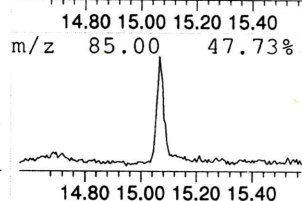
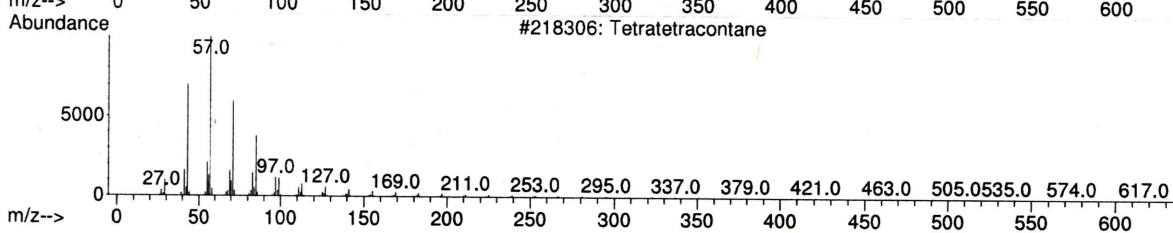
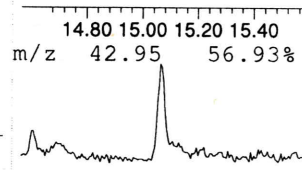
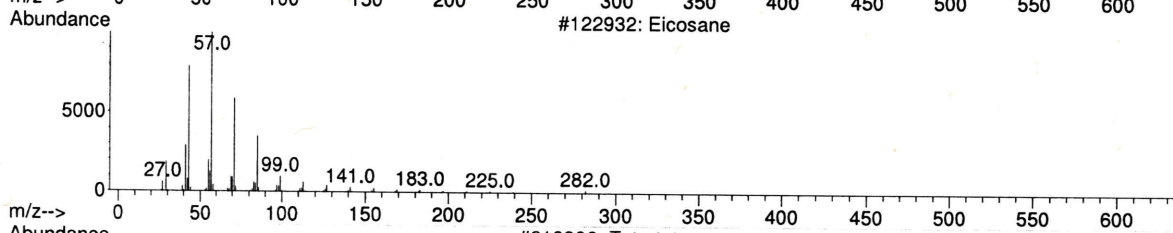
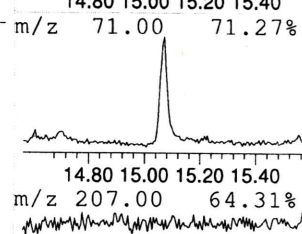
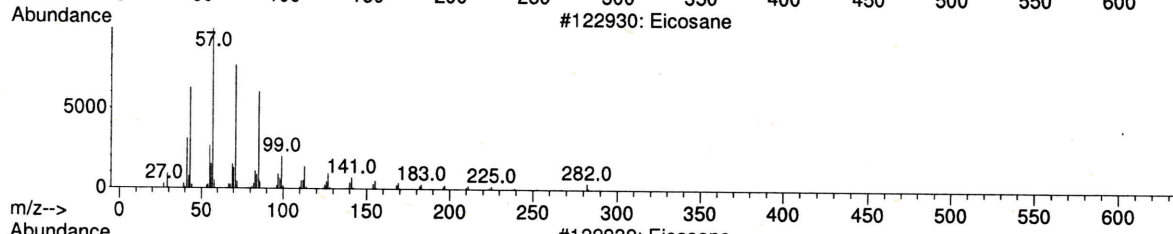
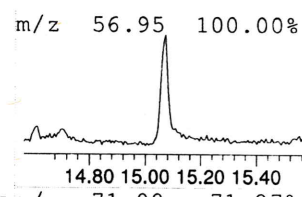
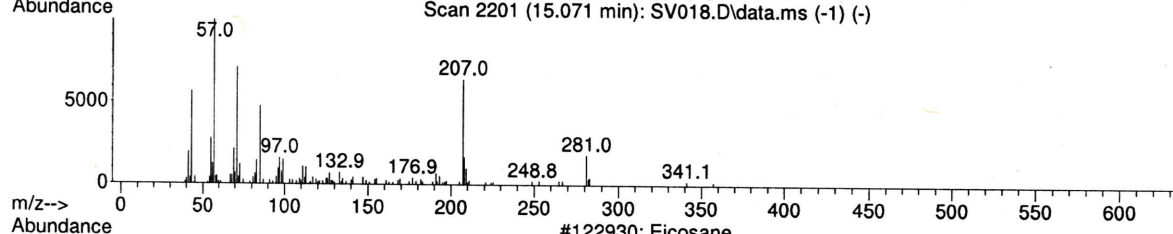
Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 34 at 14.612 min Area: 2985212 Area % 2.22

The 3 best hits from each library.	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 2,6,10,14,18,22-Tetracosahexaene...	198715	000111-02-4	99
2 Squalene	198698	007683-64-9	98
3 Squalene	198700	007683-64-9	96

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 2201 (15.071 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

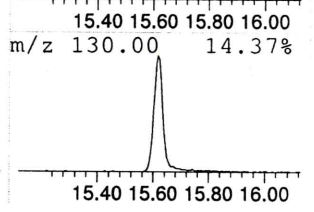
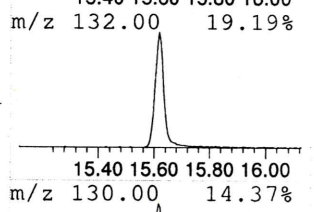
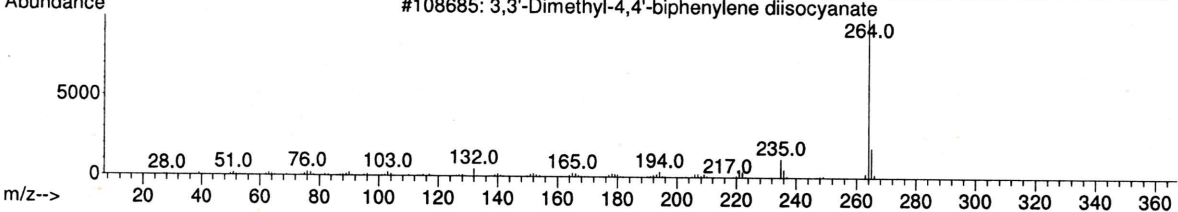
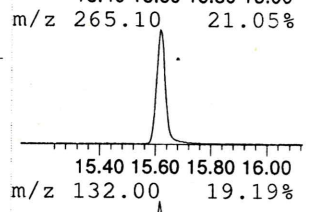
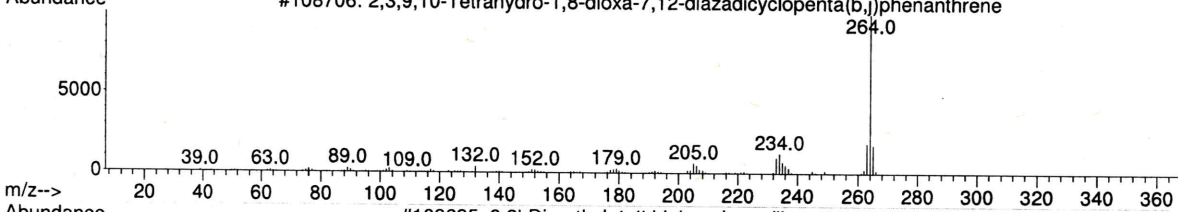
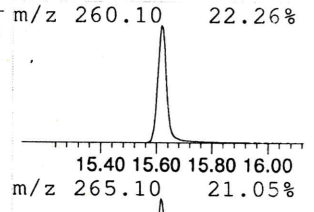
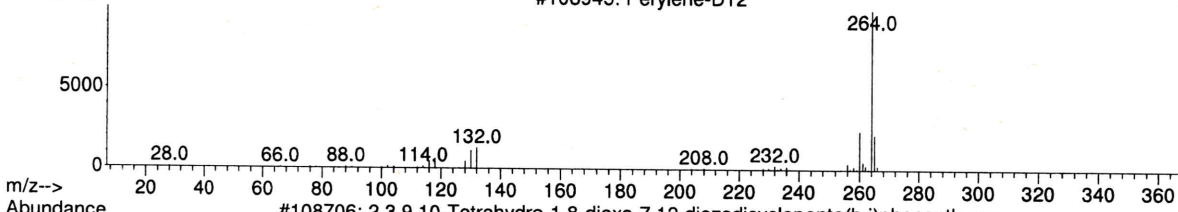
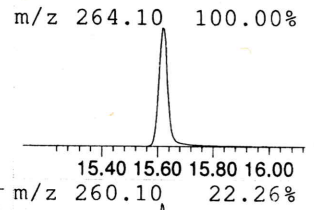
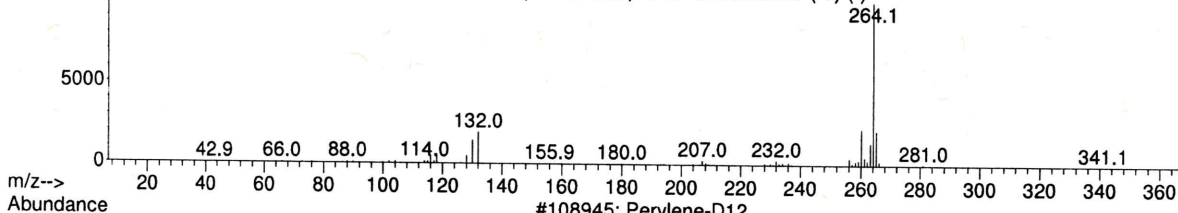
Peak Number: 35 at 15.071 min Area: 836940 Area % 0.62

The 3 best hits from each library.

Library	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1 Eicosane	122930	000112-95-8	95
2 Eicosane	122932	000112-95-8	70
3 Tetratetracontane	218306	007098-22-8	60

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 2303 (15.622 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 36 at 15.622 min Area: 11757298 Area % 8.76

The 3 best hits from each library.

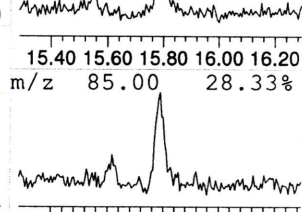
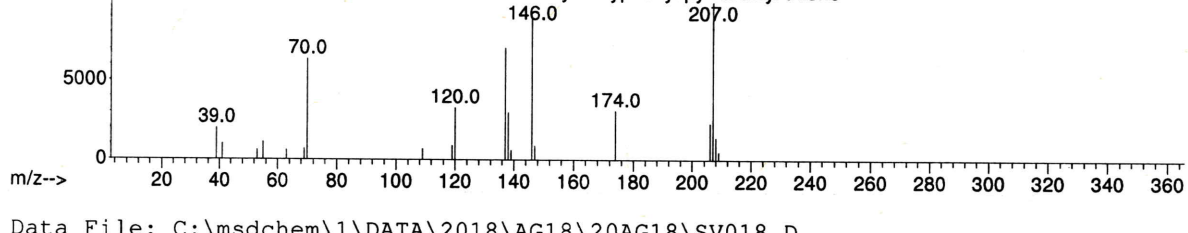
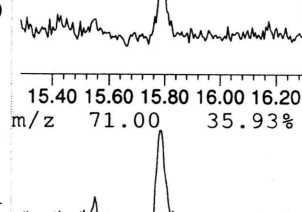
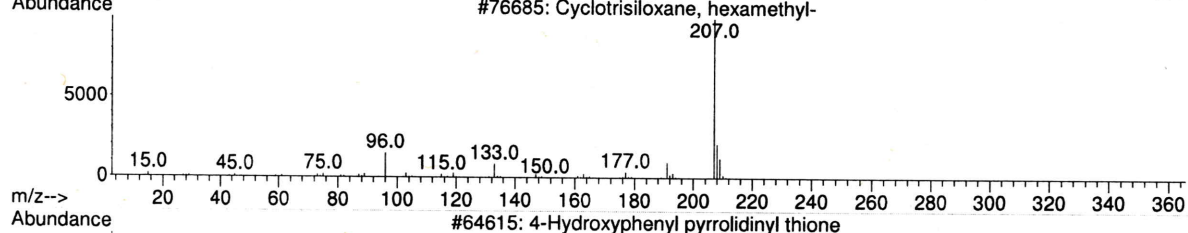
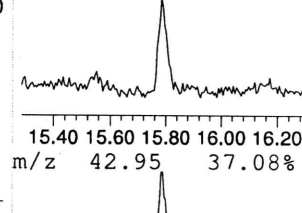
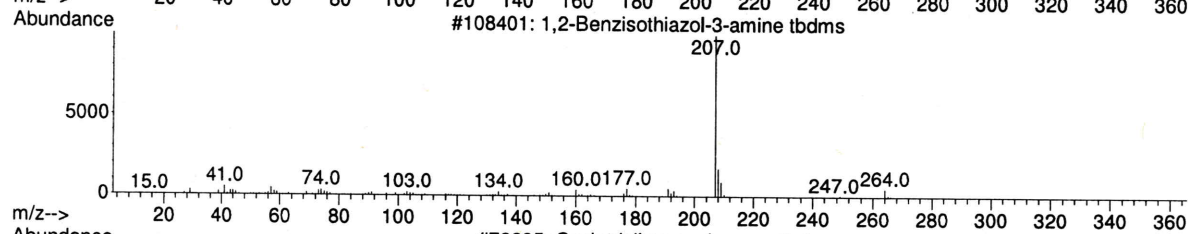
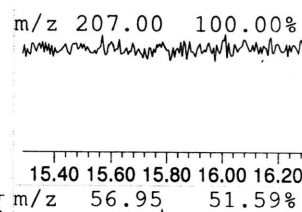
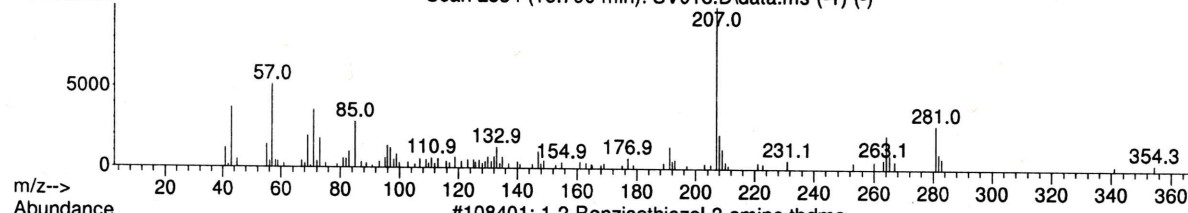
Ref\# CAS\# Qual

C:\Database\NIST08.L

1	Perylene-D12	108945	001520-96-3	98
2	2,3,9,10-Tetrahydro-1,8-dioxo-7,...	108706	1000243-33-3	64
3	3,3'-Dimethyl-4,4'-biphenylene d...	108685	000091-97-4	58

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 2334 (15.790 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

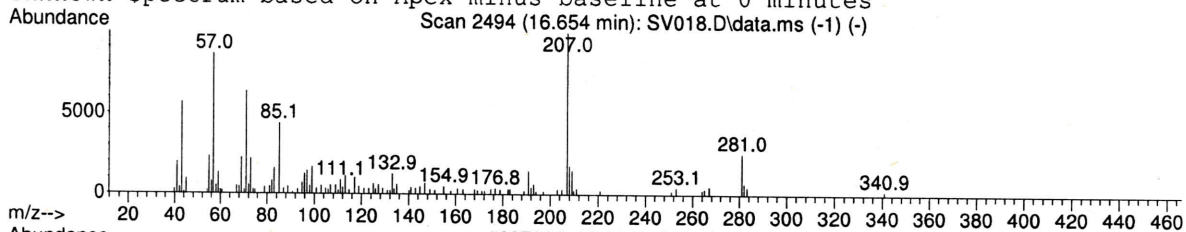
Peak Number: 37 at 15.790 min Area: 382535 Area % 0.28

The 3 best hits from each library.

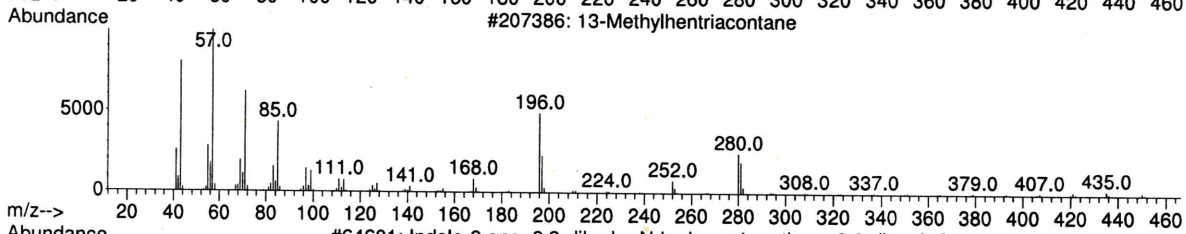
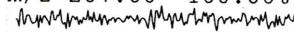
Ref\#	CAS\#	Qual
1	108401	43
2	76685	43
3	64615	41

Library Search Report - ChemStation Integrator

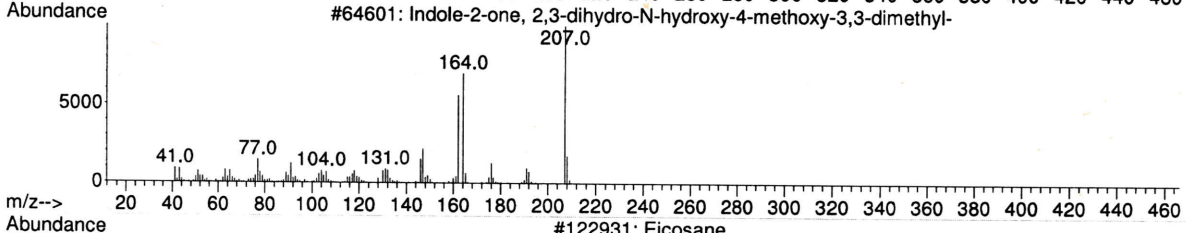
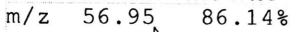
Unknown Spectrum based on Apex minus baseline at 0 minutes



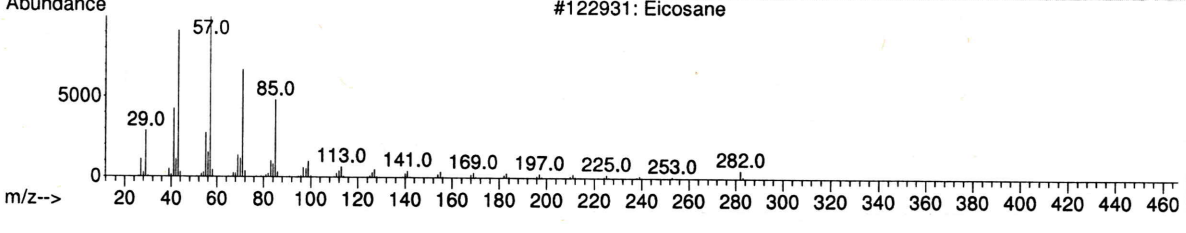
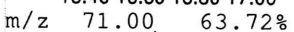
m/z 207.00 100.00%



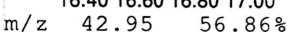
m/z 16.40 16.60 16.80 17.00



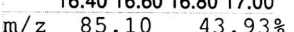
m/z 16.40 16.60 16.80 17.00



m/z 16.40 16.60 16.80 17.00



m/z 16.40 16.60 16.80 17.00



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 38 at 16.654 min Area: 373052 Area % 0.28

The 3 best hits from each library.

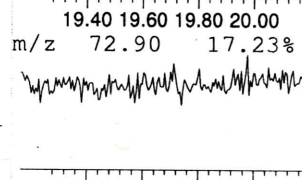
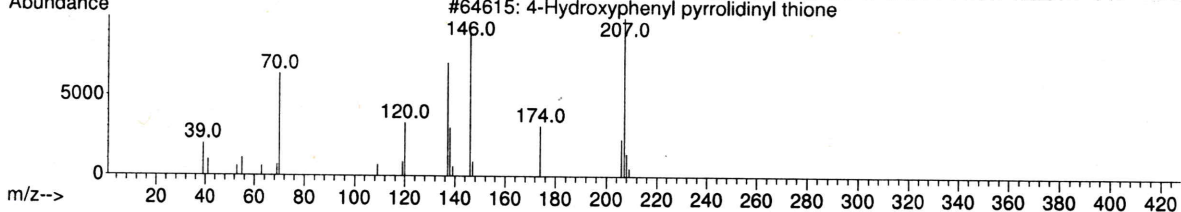
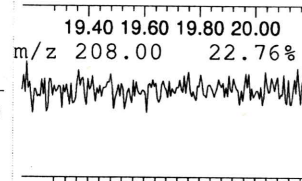
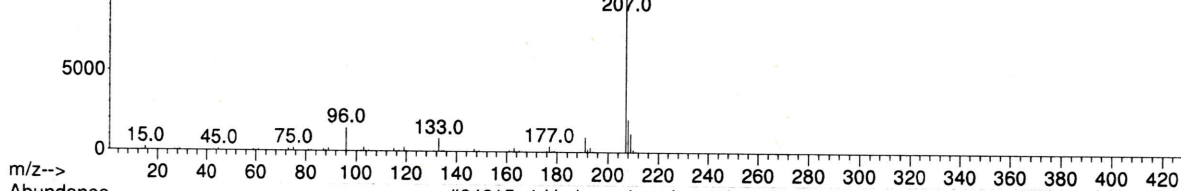
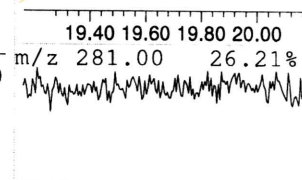
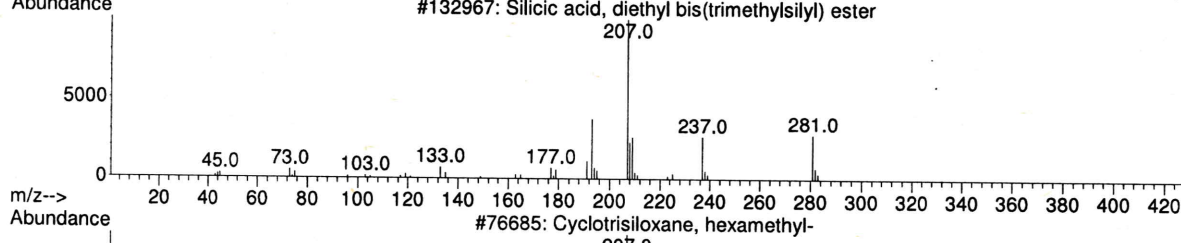
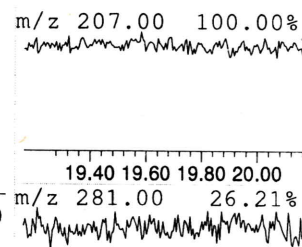
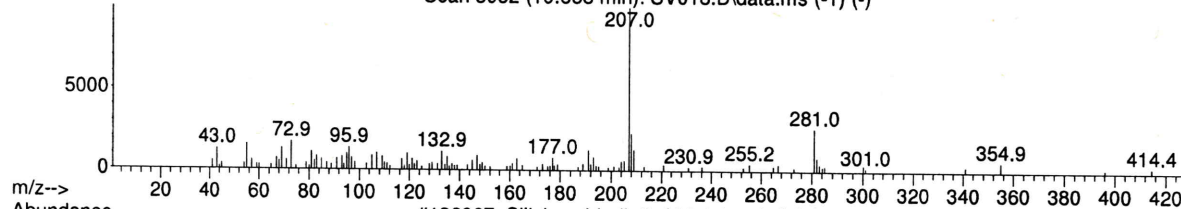
Ref\# CAS\# Qual

C:\Database\NIST08.L

Ref\#	CAS\#	Qual
1	207386 1000131-19-4	38
2	64601 1000129-52-1	30
3	122931 000112-95-8	30

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 3052 (19.668 min): SV018.D\data.ms (-1) (-)



Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

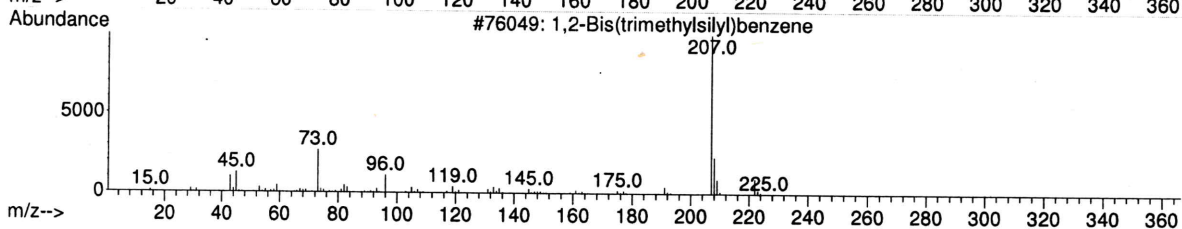
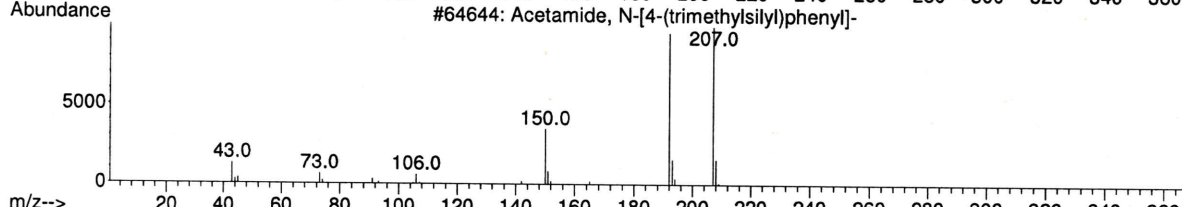
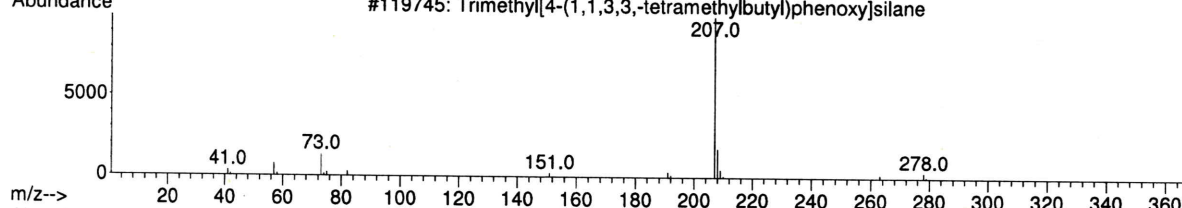
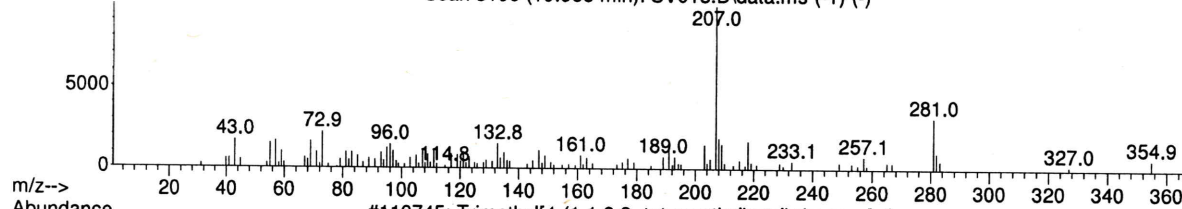
Peak Number: 39 at 19.668 min Area: 948631 Area % 0.71

The 3 best hits from each library.

	Ref\#	CAS\#	Qual
C:\Database\NIST08.L			
1	132967	003555-45-1	64
2	76685	000541-05-9	59
3	64615	084783-02-8	55

Library Search Report - ChemStation Integrator

Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 3105 (19.955 min): SV018.D\data.ms (-1) (-)



m/z 207.00 100.00%

19.60 19.80 20.00 20.20

m/z 281.00 31.73%

19.60 19.80 20.00 20.20

m/z 72.90 22.12%

19.60 19.80 20.00 20.20

m/z 208.00 19.08%

19.60 19.80 20.00 20.20

m/z 190.90 17.64%

19.60 19.80 20.00 20.20

Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 40 at 19.955 min Area: 581714 Area % 0.43

The 3 best hits from each library.

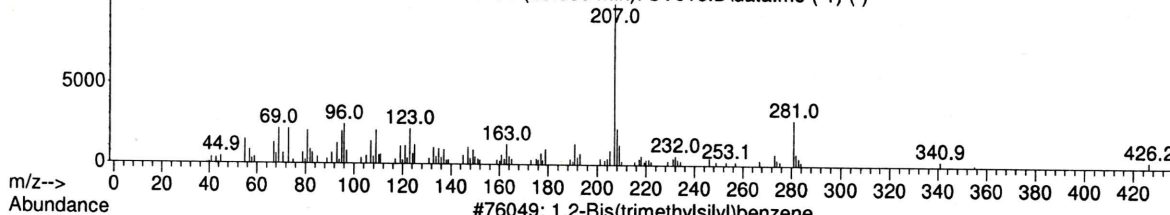
Ref\# CAS\# Qual

C:\Database\NIST08.L

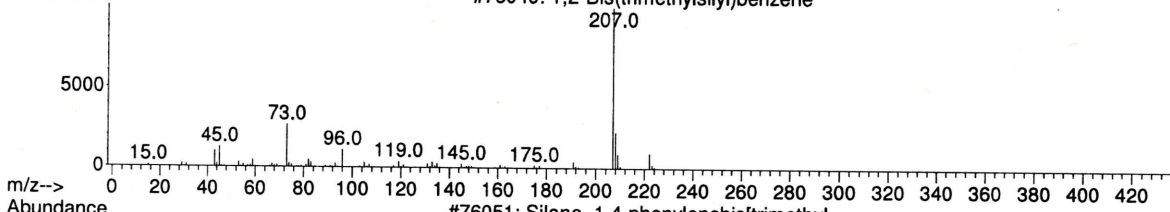
Ref\#	CAS\#	Qual
1	119745 078721-87-6	50
2	64644 017983-71-0	50
3	76049 017151-09-6	50

Library Search Report - ChemStation Integrator

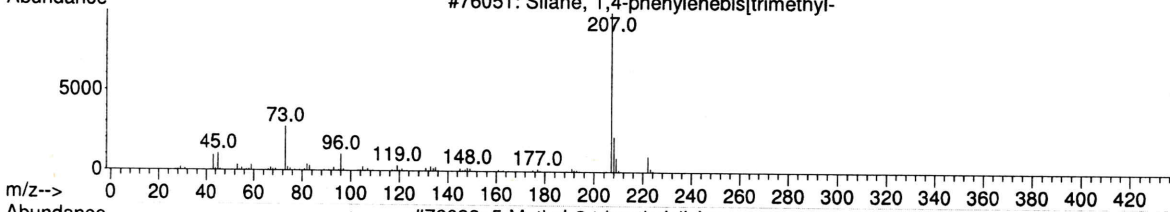
Unknown Spectrum based on Apex minus baseline at 0 minutes
Scan 3791 (23.660 min): SV018.D\data.ms (-1) (-)



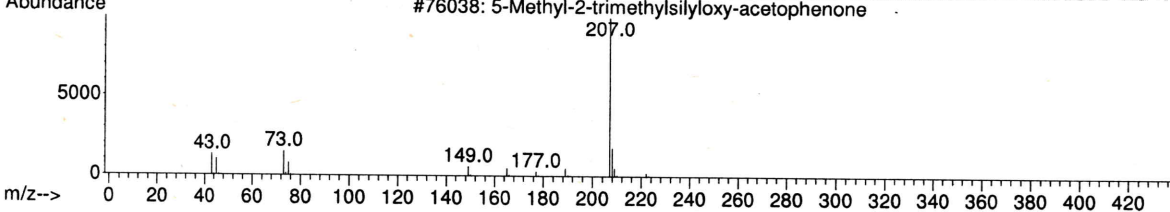
m/z 207.00 100.00%



23.40 23.60 23.80 24.00
m/z 281.00 28.22%



23.40 23.60 23.80 24.00
m/z 96.00 24.64%



23.40 23.60 23.80 24.00
m/z 208.00 22.69%

23.40 23.60 23.80 24.00
m/z 123.00 21.96%

Data File: C:\msdchem\1\DATA\2018\AG18\20AG18\SV018.D
Sample : 832275-1

Peak Number: 41 at 23.660 min Area: 1003878 Area % 0.75

The 3 best hits from each library.

	Ref\#	CAS\#	Qual

C:\Database\NIST08.L			
1 1,2-Bis(trimethylsilyl)benzene	76049	017151-09-6	49
2 Silane, 1,4-phenylenebis(trimethyl-	76051	013183-70-5	43
3 5-Methyl-2-trimethylsilyloxy-ace...	76038	097389-69-0	38

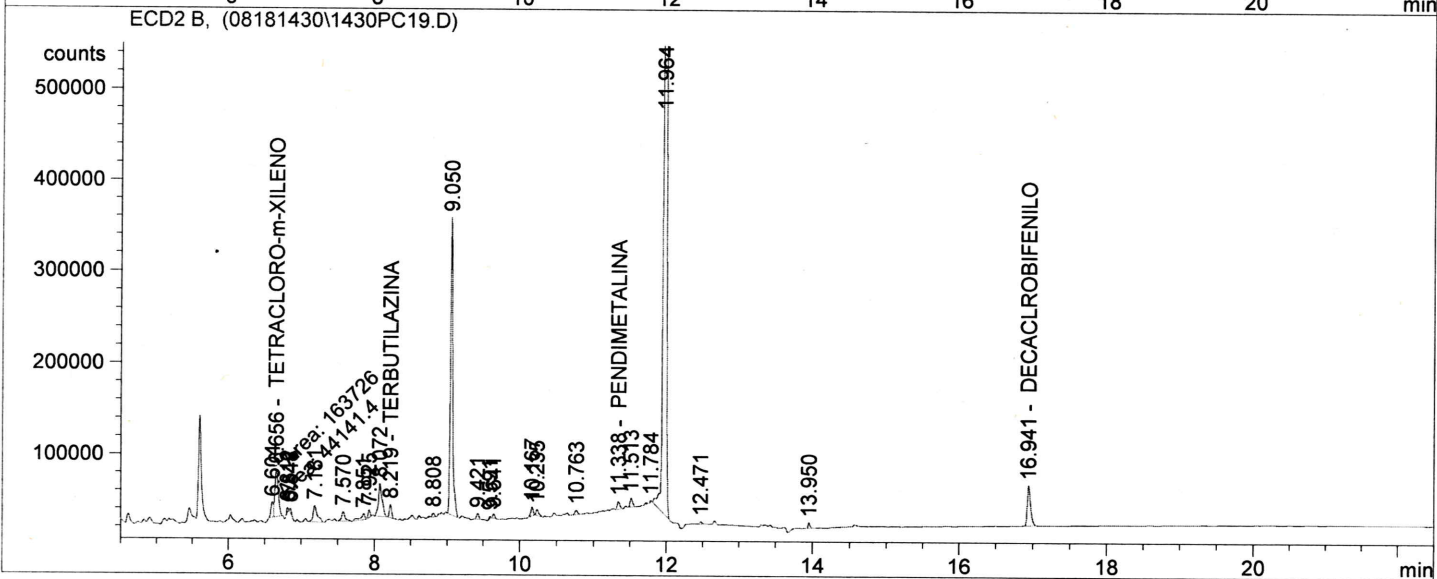
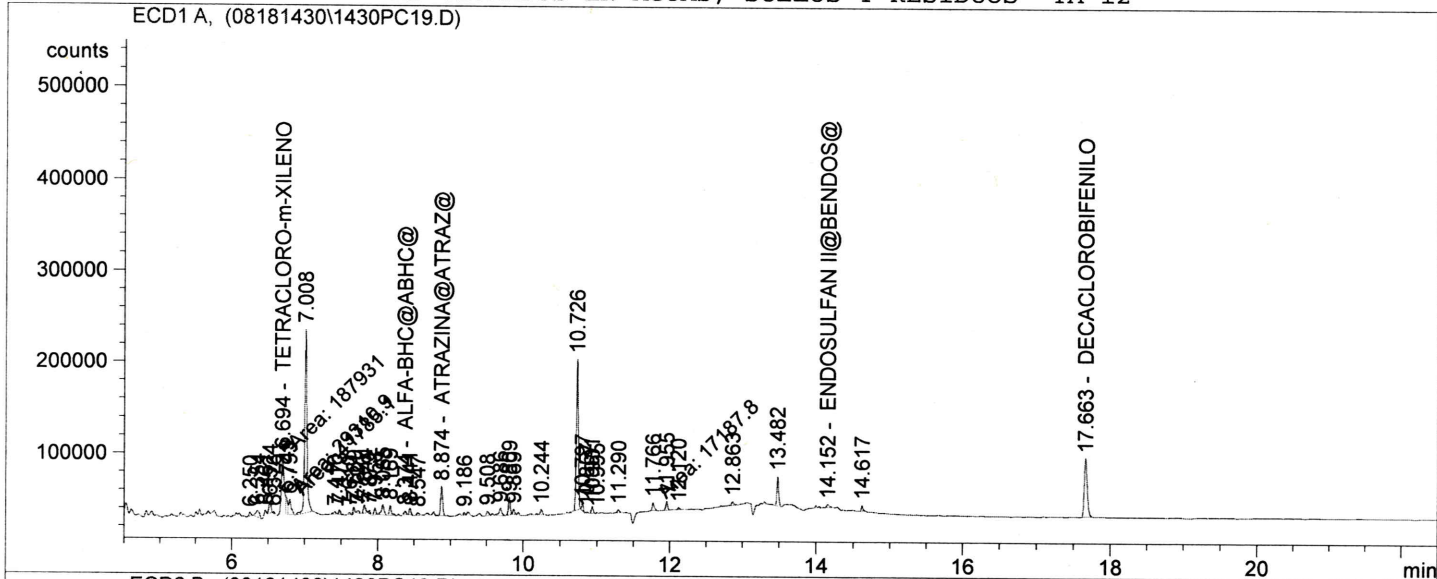
CROMATOGRAMAS

**PLAGUICIDAS
CLORADOS**

```

=====
Injection Date   : 25-08-18 04:29:51 .           Seq. Line :   18
Sample Name     : 832268-1                       Location  : Vial 18
Acq. Operator   : MOM                           Inj      :    1
Acq. Instrument : Instrument 3                   Inj Volume: 3 µl
Acq. Method     : D:\HPCHEM\3\METHODS\8081A01.M
Last changed    : 23-08-18 17:18:21 . by MOM
Analysis Method : D:\HPCHEM\3\METHODS\ARPCLO.M
Last changed    : 25-08-18 18:21:23 . by MOM
                (modified after loading) (Results are from a previously saved Batch)
    
```

METODO EPA 8081 PESTICIDAS CLORADOS EN AGUAS, SUELOS Y RESIDUOS TA 12



External Standard Report

```

=====
Sorted By       : Signal
Calib. Data Modified : 25-08-18 18:11:00 .
Multiplier     : 0.9980
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [mg/kg]	Grp	Name
6.500		-	-	-		TRIFLUORALIN@TRIFLU@
6.694	MF	1.87931e5	4.92821e-8	9.24313e-3		TETRACLORO-m-XILENO
8.020		-	-	-		HEXACLOBOBENCENO@HEXACLB@
8.374	BB	9521.08691	5.25547e-8	4.99377e-4	1	ALFA-BHC@ABHC@
8.874	PBA	6.27548e4	6.43022e-6	4.02720e-1		ATRAZINA@ATRAZ@
9.020		-	-	-		TERBUTILAZINA@TERBUT@
9.240		-	-	-		gama-BHC@LINDANO@
9.395		-	-	-		SIMAZINA@SIMAC@
9.905		-	-	-	1	beta-BHC@BBHC@
10.058		-	-	-		HEPTACLORO@HEPTACL@
10.317		-	-	-		ALACLOR@ALACLO@
10.522		-	-	-	1	delta-BHC@DBHC@
10.690		-	-	-		CLOROTALONIL@CLOROTAL@
10.758		-	-	-		ALDRIN@ALDRIN@
11.095		-	-	-		METALACLOR@METOLAC@
11.880		-	-	-		PENDIMETALINA@PENDIM@
12.032		-	-	-		HEPTACLRO EPOXIDO@HEPTAEP@
12.229		-	-	-		CIAZAZINA@CIAZAZ@
12.523		-	-	-		gama-CLORADANO@CLORDA@
12.708		-	-	-		alfa-CLORDANO@ACLORD@
12.785		-	-	-		ENDOSULFAN I@AENDOS@
13.122		-	-	-		4,4'-DDE@44DDE@
13.283		-	-	-		DIELDRIN@DIELDRIN@
13.762		-	-	-		ENDRIN@ENDRIN@
13.986		-	-	-		4,4'-DDD@44DDD@
14.152	PBA	1.04548e4	8.77587e-8	9.15665e-4		ENDOSULFAN II@BENDOS@
14.347		-	-	-		4,4'-DDT@44DDT@
14.456		-	-	-		ENDRIN ALDEHIDO@ENDALD@
14.717		-	-	-		ENDOSULFAN SULFATO@ENDSUSU@
15.250		-	-	-		METOXICLORO@METOXI@
15.571		-	-	-		ENDRIN CETONA@ENDCET@
15.773		-	-	-		MIREX@MIREX@
16.310		-	-	-		TOXAFENO@TOXAF@
17.663	PBA	1.81191e5	5.64671e-8	1.02109e-2		DECACLOROBIFENILO
18.599		-	-	-		SUMA DE BHC@BHC@
18.700		-	-	-		CLORDANO@CLORD@
20.241		-	-	-		DELTAMETRINA@DLMT@

Totals : 4.23589e-1

Results obtained with enhanced integrator!

Signal 2: ECD2 B,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [mg/kg]	Grp	Name
6.656	FM	1.63726e5	6.32713e-8	1.03384e-2		TETRACLORO-m-XILENO
6.785		-	-	-		TRIFLURALIN
7.648		-	-	-	2	ALFA-BHC
7.770		-	-	-		HEXACLOBOBENCENO
8.219	BB	3.21790e4	8.95491e-6	2.87583e-1		TERBUTILAZINA
8.290		-	-	-		SIMAZINA
8.423		-	-	-		GAMA-BHC
8.525		-	-	-		ATRAZINA
9.206		-	-	-	2	beta-BHC
9.740		-	-	-	2	delta-BHC
9.754		-	-	-		HEPTACLORO
9.852		-	-	-		CLOROTALONIL
10.299		-	-	-		ALACLOR
10.315		-	-	-		METALACLOR
10.450		-	-	-		ALDRIN

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [mg/kg]	Grp	Name
10.712		-	-	-		CIA NAZINA
11.338	BB	2.17960e4	0.00000	0.00000		PENDIMETALINA
11.460		-	-	-		HEPTACLORO EPOXIDO
12.169		-	-	-		gama-CLORDANO
12.245		-	-	-		alfa-CLORDANO
12.284		-	-	-		ENDOSULFAN 1
12.669		-	-	-		4,4'-DDE
12.776		-	-	-		DIELDRIN
13.139		-	-	-		ENDRIN
13.500		-	-	-		4,4'-DDD
13.583		-	-	-		ENDOSULFAN II
13.744		-	-	-		ENDRIN ALDEHIDO
13.916		-	-	-		4,4'-DDT
13.991		-	-	-		TOXAFENO
14.136		-	-	-		ENDOSULFAN SULFATO
14.513		-	-	-		METOXICLORO
14.632		-	-	-		ENDRIN CETONA
15.281		-	-	-		MIREX
16.941	BBA	1.36110e5	7.26016e-8	9.86207e-3		DECACLOBIFENILO
18.000		-	-	-		CLORDANO
18.202		-	-	-		SUMA DE BHC
18.435		-	-	-		DELTAMETRINA

Totals : 3.07784e-1

Results obtained with enhanced integrator!

Group summary :

Group ID	Use	Area counts*s	Amount [mg/kg]	Group Name
2		0.00000	0.00000	SUMA DE BHC
1		9521.08691	4.99377e-4	SUMA DE BHC@BHC@

3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Calibrated compound(s) not found

Warning : Negative results set to zero (cal. curve intercept), (PENDIMETALINA)

=====
*** End of Report ***



HOJA DE CAMPO PARA MUESTREO DE SEDIMENTOS

F-IPM2-58

Razón Social:	COMISION NACIONAL DEL AGUA	OM:	-----
Sitio/Dirección del Muestreo:	Manati 6	Fecha:	17/08/18
		Hoja:	6 de 14

Identificación del sondeo:	Rio Bitzal 2da.	Hora:	12:11
Condiciones climatológicas:	Soleado		

DESCRIPCIÓN DEL SITIO DE MUESTREO			
Nombre del cuerpo de agua:	Rio Bitzal 2da Secc	Población:	Macusp.
Lótico:	X	Léntico:	-----
Presenta vida acuática:	peces, manatíes, lagartos		
Coordenadas de muestreo:			
Latitud:	18 ° 01' 53,8 "N	Longitud:	92 ° 21' 28,6 "W
Latitud:	----- °N	Longitud:	----- °W
Descripción del sitio de muestreo:	Riberas del rio Bitzal 2da Sección, zona de abundante Vegetación		

DESCRIPCIÓN DEL MUESTREO				
Profundidad del cuerpo de agua:	4,50 m	Profundidad de muestreo:	30-40 cm.	
Equipamiento de muestreo utilizado:				
Cuchara	X	Draga Eckman	-----	
Hand Auger	-----	Otro:	CUBETA PARA HOMOGENEIZAR	
Tipo de Muestra:				
Simple	-----	Compuesta	X	
Textura Aparente:	LIMOSO-ARCHILLOSO		Color Aparente:	GRIS OSCURO
Presenta materia orgánica:	SI PRESENTA RAICES Y LIMO		Olor:	SIN OLOR
		Clasificación del Sedimento**:	LIMOS / ARCILLAS	

**Arenas: Cuentan con un diametro de partícula de 0.06 a 2.00 mm, tacto aspero y abrasivo; no tienen brillo ni cohesión.

**Limos: Cuentan con un diametro de partícula de 0.004 a 0.6 mm, tienen tacto suave, no son plasticos ni asperos.

**Arcillas: Cuentan con un diametro de partícula menor a 0.004 mm, forma una película plástica, tienen cohesión y son brillosas.

ASEGURAMIENTO Y CONTROL DE CALIDAD			
El equipo fue descontaminado previo a su uso con:			
Agua potable	<input checked="" type="checkbox"/>	La muestra fue homogeneizada en campo	<input checked="" type="checkbox"/>
Jabon libre de fosfatos	<input type="checkbox"/>	A la muestra se le retiraron los gruesos (grava, piedras, etc.).	<input checked="" type="checkbox"/>
Alcohol	<input type="checkbox"/>	Se emplearon guantes nuevos para cada muestra	<input checked="" type="checkbox"/>
Agua purificada y/o desionizada	<input checked="" type="checkbox"/>	Las muestras se preservaron inmediatamente, en frío	<input checked="" type="checkbox"/>
El equipo fue descontaminado entre cada muestra de la misma forma	<input checked="" type="checkbox"/>		

Comentarios / Cambios al Plan de Muestreo:	MUESTREO REALIZADO POR TRIPPLICADO, SE EXTRAE MEDIANTE UN MUESTREADOR DE SEDIMENTOS TIPO NUCLEADOR Y UN LINER DE PLÁSTICO, PARA LA HOMOGENEIZACIÓN SE USA UNA CUCHARA DE PLÁSTICO
--	---

RESPONSABLE DE LA TOMA DE MUESTRA URIAS GOMEZ CAMPERO NOMBRE Y FIRMA	SUPERVISÓ JOSE MARTIN PALACIOS HERNANDEZ NOMBRE Y FIRMA
---	--

CLAVE COMAR DEL SITIO: **MANATI 6**

CLAVE DE MUESTREO: **RIO BITZAL 2DA**

FECHA DE INICIO DEL MUESTREO: **17-08-2018**

HORA DE INICIO DEL MUESTREO: **11:35**

LABORATORIO: **ABC**

NOMBRE DEL LIDER DE BRIGADA: **JOSE AUGEL CAROL GUERRA**

INDICAR SI FUE EVENTUALIDAD:

TIPO DE SUPERVISION: CON SUPERVISION - CON TOMA DE MUESTRA

CLAVE DE LA BRIGADA: **ABC VII 2**

NOMBRE AUXILIAR DE BRIGADA: **QUINMO GARCIA GARCIA**

PLACAS DE LA UNIDAD: **X841PKX**

UBICACION LOCAL / ORGANISMO DE FUENTE: **CNA Oficina Central**

NOMBRE DEL SUPERVISOR (ESI): **Dr. Eric Cokerrel**

PUESTO: **Sub gerente Calidad del agua**

TELEFONO DE CONTACTO: **9**

COORDENADAS BASE DE DATOS ACTUALIZADA (DECIMALES)

LATITUD: **18.03186**

LONGITUD: **-92.35786**

COORDENADAS DEL MUESTREO (DECIMALES)

LATITUD (Grados Decimales): **18° 01' 53.8"**

LONGITUD (Grados Decimales): **92° 21' 28.6"**

ALTITUD (metros): **9**

MEDICION DE PARAMETROS DE CAMPO (MUESTRA NORMAL / MUESTRA DOBLE DE CAMPO)

PROFUNDIDAD / PARAMETRO	MUESTRA NORMAL / HORA				MUESTRA DOBLE DE CAMPO / HORA				OBSERVACIONES
	1	2	3	PROM	1	2	3	PROM	
TEMPERATURA DEL AGUA (°C)	30.9	30.8	30.5	30.8					RIO BITZAL BITZAL 2DA
pH (pH)	7.87	7.85	7.85	7.85					
POTENCIAL REDOX Eh(mV)									
OXIGENO DISUELTO (mg/L)	4.40	4.40	4.39	4.40					
OXIGENO DISUELTO (%)	59.7	59.4	59.2	59.4					
OXIGENO DISUELTO CALCULADO (mg/L)									
CONDUCTIVIDAD ELECTRICA (µS/cm)	671	673	671	672					
SALINIDAD (‰)	0.28	0.29	0.29	0.29					

TEMPERATURA AMBIENTE (°C): **34.6**

PROFUNDIDAD (m): **4.5**

MATERIA FLUJANTE (Anillo - NORMAL)

COLOR RESIDUAL (mg/L) - NORMAL

CLORAMINAS (mg/L) - NORMAL

MATERIA FLUJANTE (Anillo - DOBLE DE CAMPO)

COLOR RESIDUAL (mg/L) - DOBLE DE CAMPO

CLORAMINAS (mg/L) - DOBLE DE CAMPO

Uso de correccion de temperatura: SI NO

MEDICION DE PARAMETROS DE CAMPO MUESTRA NORMAL - LENTICO Y COSTERO

PROFUNDIDAD / PARAMETRO	SUPERFICIE				MEDIA				FONDO			
	1	2	3	PROM	1	2	3	PROM	1	2	3	PROM
TEMPERATURA DEL AGUA (°C)												
pH (pH)												
POTENCIAL REDOX Eh(mV)												
OXIGENO DISUELTO (mg/L)												
OXIGENO DISUELTO (%)												
OXIGENO DISUELTO CALCULADO (mg/L)												
CONDUCTIVIDAD ELECTRICA (µS/cm)												
SALINIDAD (‰)												

TRANSPARENCIA (cm)

Medición 1 Arriba - Abajo

Medición 2 Abajo - Arriba

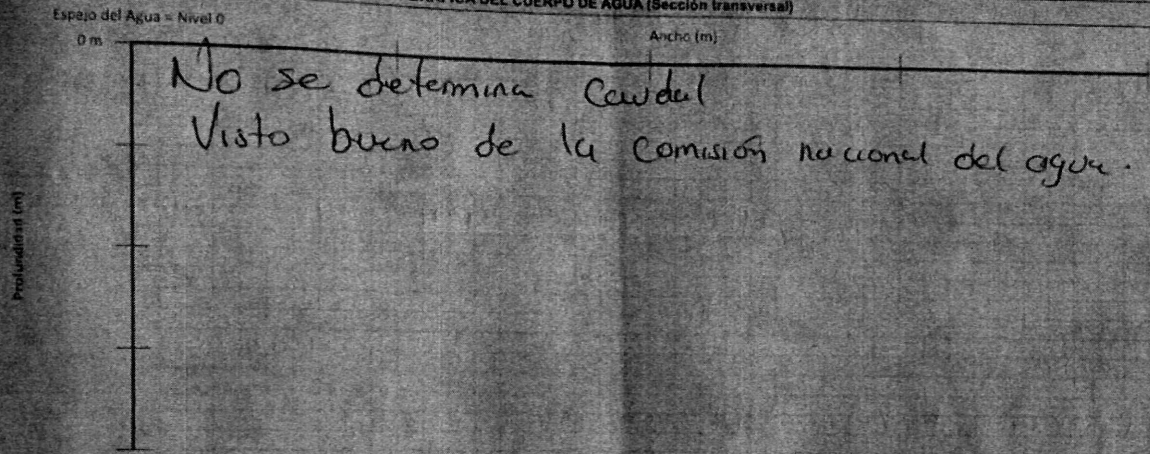
Promedio (Valor Reportado)



ESTIMACION PRELIMINAR DE CAUDAL			
CAUCE (m)	PROFUNDIDAD (m)	VELOCIDAD (m/s)	CAUDAL PRELIMINAR (m ³ /s)
F-FCR1-163			
METODO DE AFORO UTILIZADO			
ANCHO DE LA CORRIENTE (m)	NUMERO DE SECCIONES*	ANCHO DE LA FRANJA (m)	
< 0.50	1	N/A	
0.51 - 1.00	2	De 0.255 a 0.50	
1.01 - 5.00	De 3 a 10	De 0.333 a 0.50	
5.01 - 100.00	10 a 20*	De 0.50 a 10.00	
> 100.00	20	5% del ancho del cuerpo de agua	

* Se debe garantizar que los Caudales parciales de las secciones deben ser mayores al 10% del Caudal Total
 ** Cuando la Profundidad es <= 1.0 m, se debe realizar una medición de velocidad del agua a 0.6 m de la profundidad
 *** Cuando la Profundidad es > 1.0 m, se debe realizar una medición de velocidad del agua a 0.2 m y 0.8 de la profundidad

GRAFICA DEL CUERPO DE AGUA (Sección transversal)



SE ESPECIFICA EN EL ANEXO:

REGISTRO DE PROFUNDIDADES, ANCHO DE LAS FRANJAS, AREAS PARCIALES, VELOCIDAD, HOMOGENEIDAD Y MUESTRA INTEGRADA

FRANJA	ANCHO DE LA FRANJA	PROFUNDIDAD / TIRANTE (d) (m)			AREA (A) (m ²) Ancho * d	VELOCIDAD PROM. (m/s)				CAUDAL (Q) (m ³ /s) A * v	VOLUMEN POR FRANJA VOL. % = (Qp/Q) * 100	VOL. LITRA POR FRANJA = VOL. FRANJA * VOL. TOTAL	CONDUCTIVIDAD ELECTRICA (uS/cm)
		A	B	C		PRCM (A+B+C)/4	0.2***	0.8***	0.6**				
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
TOTAL													

Se determina la homogeneidad.

Este estudio cubre un 150 uS/cm entre el mínimo y máximo de las mediciones de cada franja. Es Homogéneo. Tomar 2 muestras simple al centro del cuerpo de agua y a profundidad. Tomar muestras simples a 2 profundidades por franja y ancho y a las máximas.

Conductividad superficial < 50 uS/cm con error de lectura y deriva de los sensores de cada franja. Es Heterogéneo. Copiar muestra integrada con agua para Microconductividad y tomar muestras simples a 2 profundidades por franja y ancho y a las máximas.

16/08/2018

FICHA DE LA MUESTRA CONTROL **1105**

REGISTRO DE LA PRE-CALIBRACION, CALIBRACION, VERIFICACION Y VERIFICACION DE SITIO				VERIFICACION DE SITIO				VERIFICACION DE SITIO / HORA					
MATERIAL DE REFERENCIA (MR)	TEMPERATURA	LECTURA TEORICA	LECTURA REAL	TEMPERATURA	LECTURA REAL 1	LECTURA REAL 2	LECTURA REAL 3	TEMPERATURA	LECTURA REAL 1	LECTURA REAL 2	LECTURA REAL 3		
CONDUCTIVIDAD (µS)	Lote 1	1412	28.1	1403	SI	28.1	1414	SI	24.6	1418	1417	1417	SI
pH (25°C)	Lote 1	4.00	28.0	4.02	SI								
pH 7 (25°C)	Lote 1	7.00	27.9	7.01	SI	24.7	7.03	SI	24.7	7.02	7.02	7.02	SI
pH 10 (25°C)	Lote 1	10.00	28.1	10.02	SI	24.5	10.02	SI	24.9	10.01	10.01	10.01	SI
POTENCIAL REDOX (Ehmv)	Lote 1												
SALINIDAD (‰)	Lote 1	35.0	19.3	35.3	SI	24.2	35.3	SI	20.3	35.3	35.3	35.3	SI
O.D. (mg/L @ 25°C)	Lote 1	100	31.2	100.0	SI	28.5	100	SI	32.5	100.4	100.4	100.4	SI
O.D. (Cerro)	Lote 1								24.8	0.11	0.11	0.11	SI

RESULTADOS MUESTRA CONTROL / HORA 17:20

MATERIAL DE REFERENCIA (MR)	TEMPERATURA	LECTURA TEORICA	TEMPERATURA	LECTURA REAL 1	LECTURA REAL 2	LECTURA REAL 3	
CONDUCTIVIDAD (µS)	Lote 2	1412	27.5	1424	1425	1425	SI
POTENCIAL REDOX (Ehmv)	Lote 2						
SALINIDAD (‰)	Lote 2	35.0	26.3	35.5	35.5	35.5	SI
pH 10 (25°C)	Lote 2	10.00	27.6	10.01	10.02	10.02	SI

OTROS REGISTROS

Pendiente registrada = -58.17 MV/pH (99%) OFFSET = -25.3 MV
 Calibración realizada en el sitio de muestra
 Ver folio 027, BIT-COJ-024

** CANCELAR EN CASO DE NO UTILIZAR

PERFIL DE TEMPERATURA

PARAMETRO	PROFUNDIDAD (m)																				
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TEMPERATURA DEL AGUA (°C)																					

PARAMETRO	PROFUNDIDAD (m)																				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
TEMPERATURA DEL AGUA (°C)																					

MUESTRAS DE CONTROL DE CALIDAD DE CAMPO

TOMA DE MUESTRA DE O.C. Y TIPO (S) BLANCO DE CAMPO BLANCO DE VIAJE DUPLICADO DE CAMPO

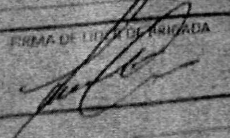
CLAVE CON LAB DEL DE LOS SITIOS (S) QUE ABARCA LA MUESTRA CONTROL **MANATI 13, MANATI 6, MANATI 2, MANATI 14, MANATI 1**

CLAVE DE MUESTREO DE LOS MUESTREOS QUE ABARCA LA MUESTRA CONTROL

OBSERVACIONES Y/O COMENTARIOS

Nota de toma de sedimentos 12:11 obtenida con nucleador, la muestra se tomó por triplicado a través de muestra dirigida, esta color gris obscuro, sin olor, sedimento tipo lodo chuloso, color del agua agua verde aceitunada, muestra de biota vegetal, tomada a las 12:25, a través de muestra dirigida por triplicado en envases de bolsa de polietileno.

FIRMA DE UNO DE LOS ENCARGADOS



FIRMA DE SUPERVISION DEL LABORATORIO

