

Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
 Data File : BM013682.D
 Acq On : 20 Jan 2018 15:18
 Operator : SJ/JU
 Sample : J1097-22
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAJQ4

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.157	26	29	34	rVB2	33197	41001	1.09%	0.085%
2	6.298	557	563	572	rVB	340650	532096	14.15%	1.101%
3	6.793	639	647	660	rBV2	682579	1221701	32.50%	2.528%
4	6.957	667	675	684	rBV	491464	761672	20.26%	1.576%
5	7.145	701	707	720	rVB	704806	1115795	29.68%	2.309%
6	7.610	780	786	793	rBV	597852	953966	25.37%	1.974%
7	8.322	901	907	920	rBV	792820	1326541	35.28%	2.745%
8	8.769	976	983	993	rBV	675384	1116395	29.69%	2.310%
9	9.169	1046	1051	1056	rVB3	24582	37679	1.00%	0.078%
10	9.481	1096	1104	1114	rBV	569711	978151	26.02%	2.024%
11	10.016	1187	1195	1207	rBV	800502	1455890	38.72%	3.012%
12	10.386	1252	1258	1266	rBV	808881	1325435	35.25%	2.742%
13	10.533	1275	1283	1304	rBV	682976	1278207	34.00%	2.645%
14	13.086	1713	1717	1724	rVB2	41035	62504	1.66%	0.129%
15	13.680	1810	1818	1822	rBV	1539603	2112957	56.20%	4.372%
16	13.727	1822	1826	1834	rVV	478143	738738	19.65%	1.528%
17	13.792	1834	1837	1842	rVV6	27219	47204	1.26%	0.098%
18	13.951	1858	1864	1872	rBV	1699599	2527727	67.23%	5.230%
19	14.169	1896	1901	1906	rBV	133676	191910	5.10%	0.397%
20	14.263	1906	1917	1924	rVV2	1074166	1734005	46.12%	3.588%
21	14.486	1950	1955	1969	rBV	506398	940830	25.02%	1.947%
22	14.674	1983	1987	1991	rBV5	36891	62906	1.67%	0.130%
23	14.792	2004	2007	2012	rBV3	55067	70134	1.87%	0.145%
24	14.904	2024	2026	2033	rVB8	28976	56256	1.50%	0.116%
25	15.127	2057	2064	2069	rBV	197425	290068	7.72%	0.600%
26	15.263	2081	2087	2093	rVB	2098329	2905333	77.28%	6.011%
27	15.398	2105	2110	2121	rBV	585502	862838	22.95%	1.785%
28	15.533	2130	2133	2139	rVB	116428	176528	4.70%	0.365%
29	15.686	2155	2159	2164	rBV8	43395	79951	2.13%	0.165%
30	15.992	2207	2211	2213	rBV2	259076	357649	9.51%	0.740%
31	16.674	2322	2327	2335	rVB	440940	690480	18.37%	1.429%
32	16.786	2342	2346	2350	rBV	190087	228151	6.07%	0.472%
33	16.833	2351	2354	2358	rVB3	174459	231765	6.16%	0.480%
34	17.015	2380	2385	2393	rVB2	1417026	1951679	51.91%	4.038%

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35	17.115	2396	2402	2408	rBV	2235075	3133084	83.34%	6.482%
36	17.521	2468	2471	2475	rVB2	161428	189998	5.05%	0.393%
37	17.921	2535	2539	2550	rBV2	367374	631422	16.79%	1.306%
38	18.215	2586	2589	2594	rBV2	144420	167330	4.45%	0.346%
39	18.856	2695	2698	2702	rVB3	97086	109500	2.91%	0.227%
40	19.209	2755	2758	2762	rBV4	148681	211478	5.63%	0.438%
41	19.415	2788	2793	2801	rVB	2614715	3619663	96.28%	7.489%
42	19.868	2866	2870	2879	rVB	341194	441388	11.74%	0.913%
43	20.356	2950	2953	2956	rBV4	91296	104413	2.78%	0.216%
44	20.403	2957	2961	2965	rVB	437512	554254	14.74%	1.147%
45	20.903	3042	3046	3048	rBV3	167687	216987	5.77%	0.449%
46	20.939	3048	3052	3061	rVB	627368	890692	23.69%	1.843%
47	21.215	3094	3099	3108	rBV	1862950	2360727	62.79%	4.884%
48	21.533	3150	3153	3157	rVB	244121	260601	6.93%	0.539%
49	23.274	3443	3449	3459	rVB2	1994960	3759601	100.00%	7.779%
50	23.415	3467	3473	3481	rVB2	1189540	2184377	58.10%	4.520%
51	24.933	3725	3731	3744	rVB5	414893	1032035	27.45%	2.135%

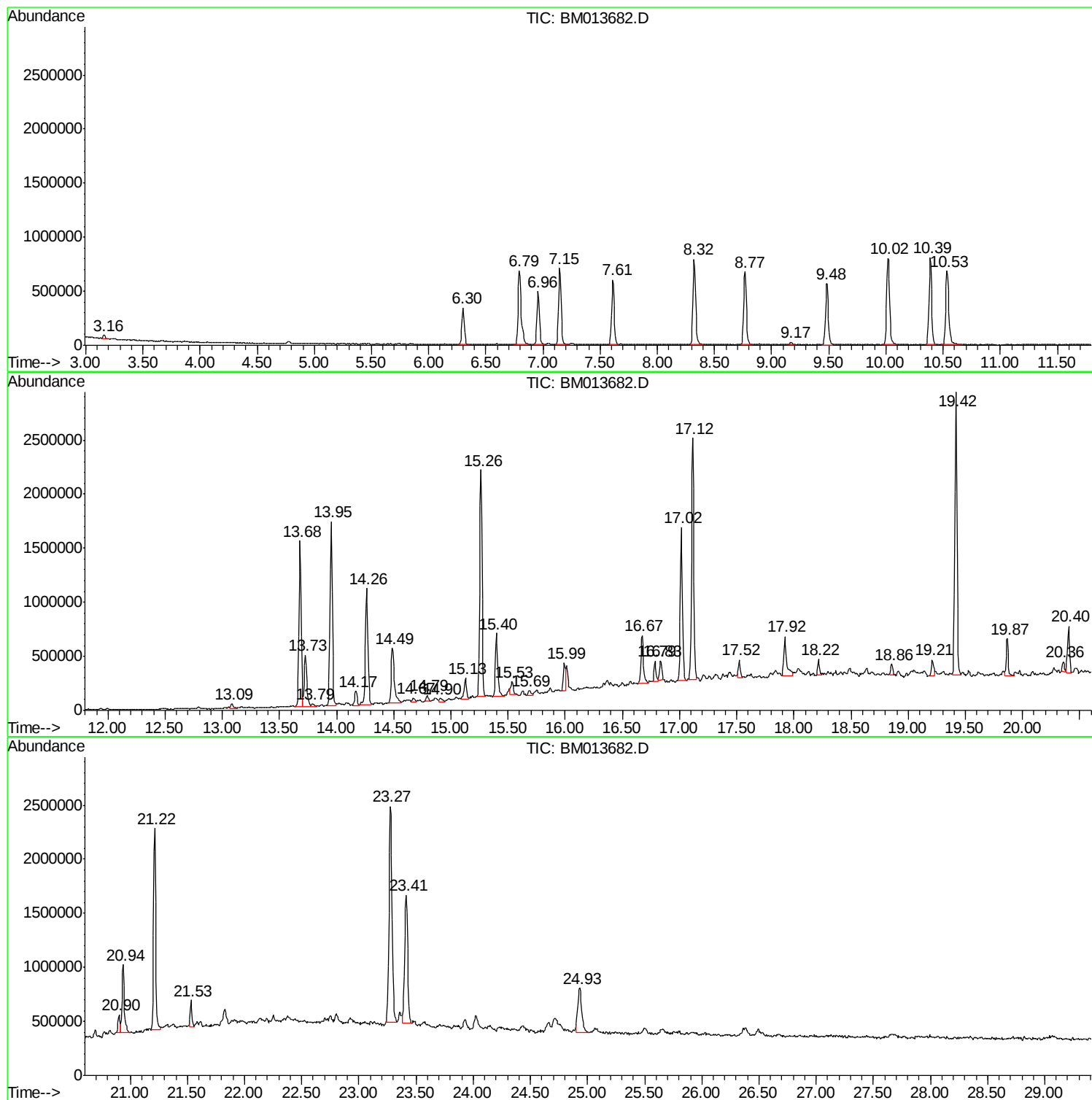
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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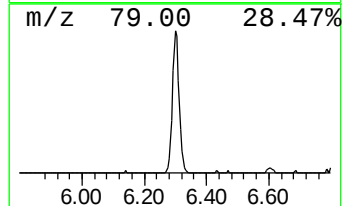
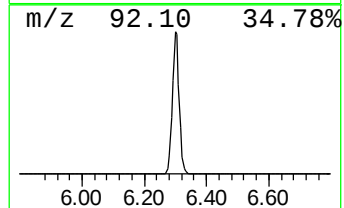
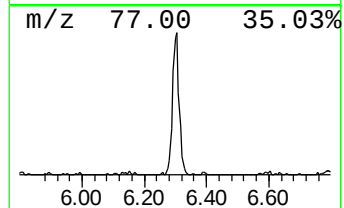
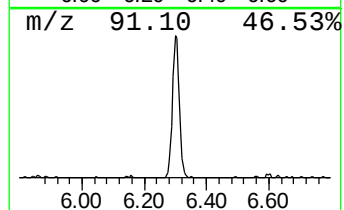
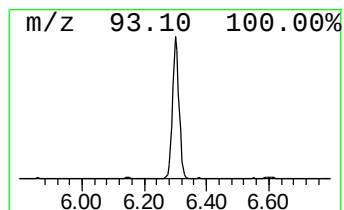
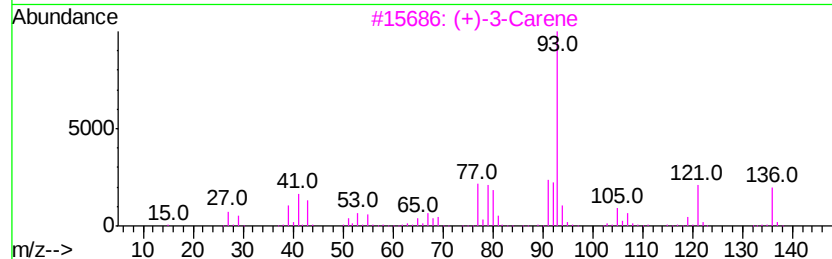
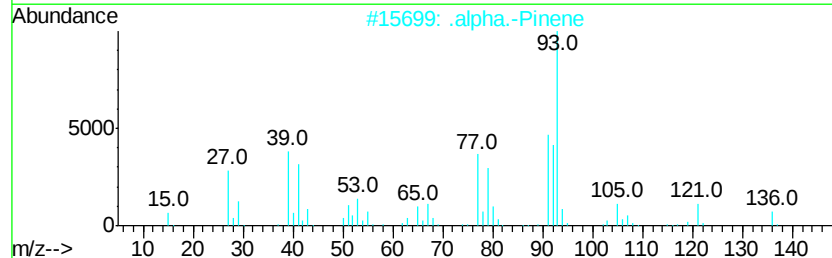
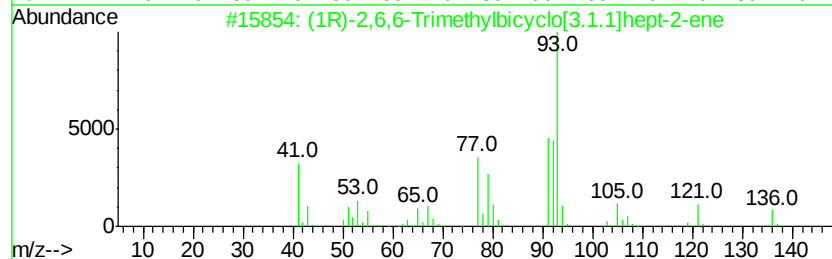
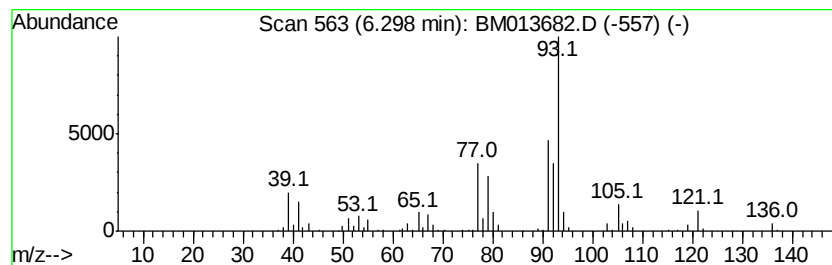
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	11.16 ng/ul	532096	1,4-Dichlorobenzene-d4	7.61

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	95
2		.alpha.-Pinene	136	C10H16	000080-56-8	91
3		(+)-3-Carene	136	C10H16	000498-15-7	91
4		trans-.beta.-Ocimene	136	C10H16	003779-61-1	91
5		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	91



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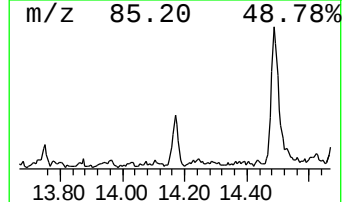
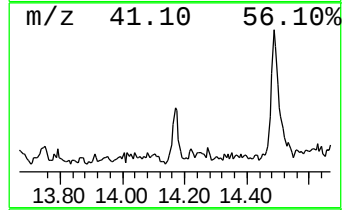
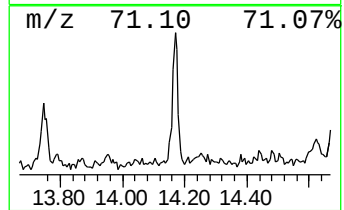
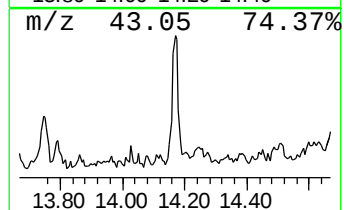
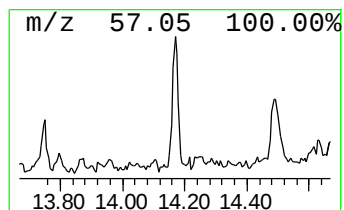
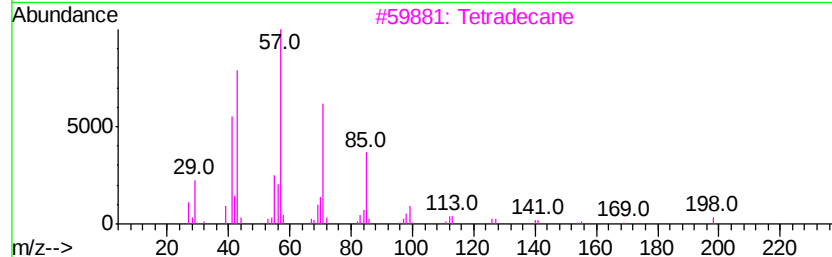
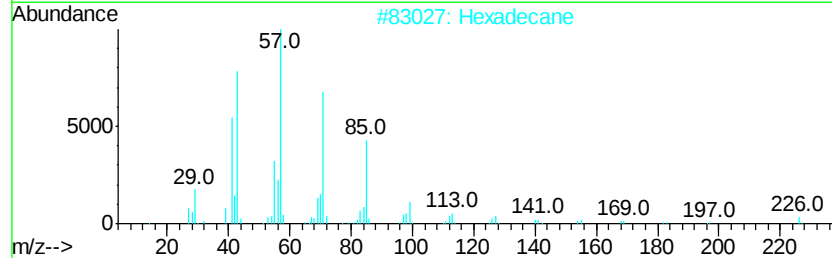
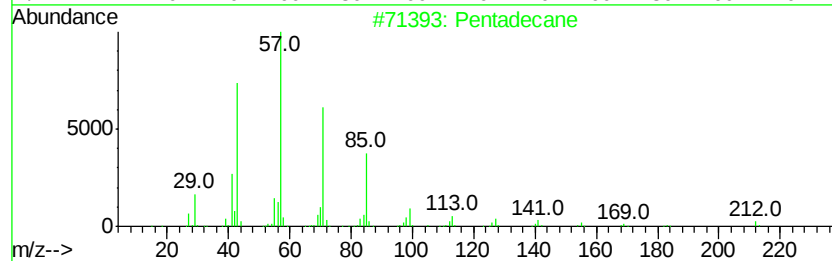
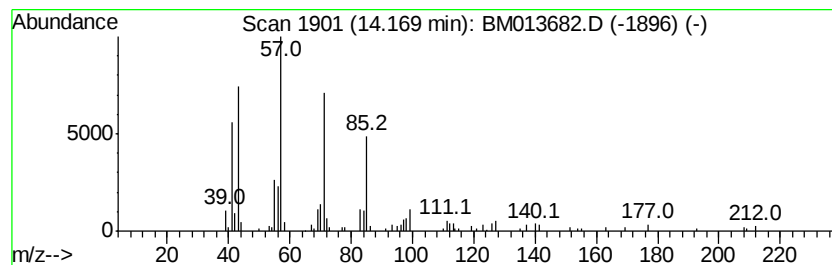
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	2.21 ng/ul	191910	Acenaphthene-d10	14.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	93
2			Hexadecane	226	C16H34	000544-76-3	87
3			Tetradecane	198	C14H30	000629-59-4	86
4			Pentadecane	212	C15H32	000629-62-9	81
5			Tetradecane	198	C14H30	000629-59-4	80



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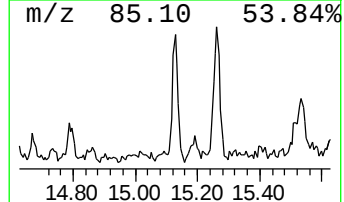
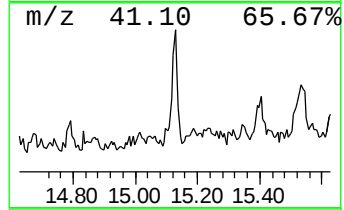
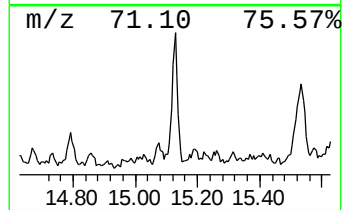
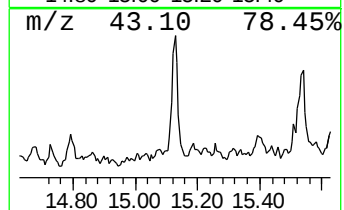
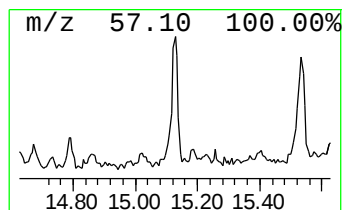
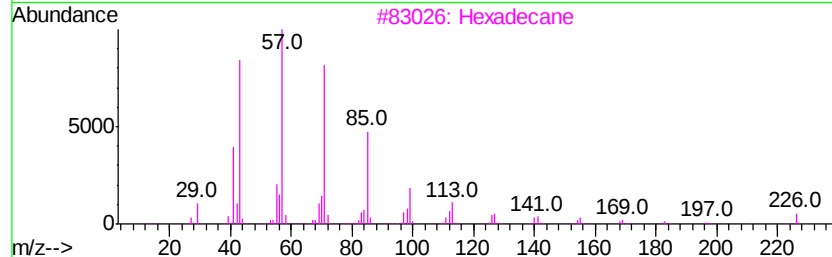
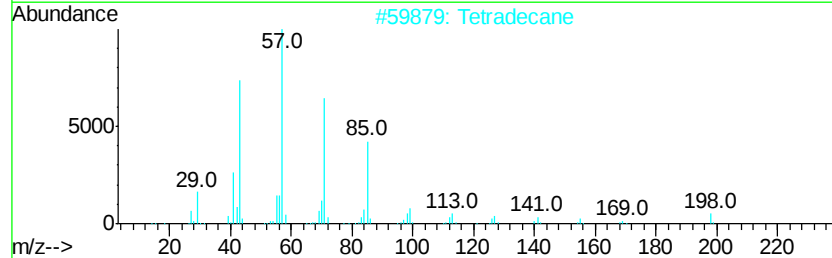
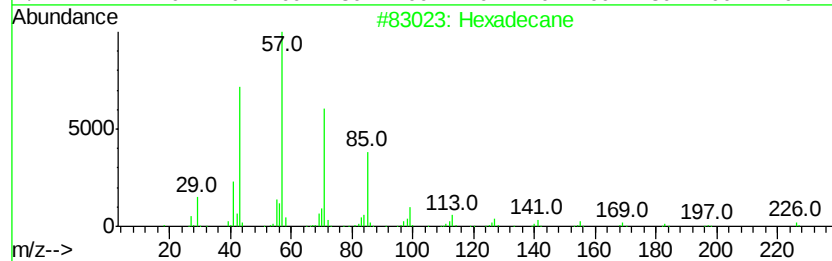
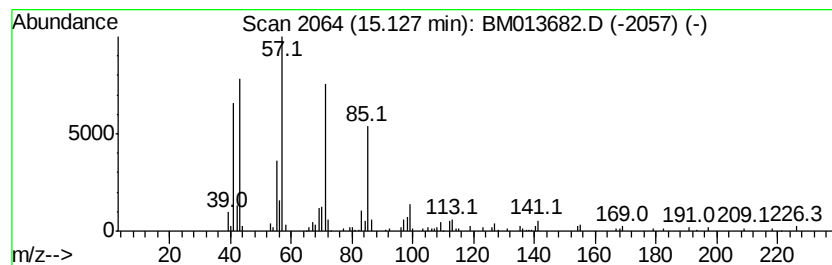
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	3.35 ng/ul	290068	Acenaphthene-d10	14.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Tetradecane	198	C14H30	000629-59-4	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tetradecane	198	C14H30	000629-59-4	90
5		Tetradecane	198	C14H30	000629-59-4	90



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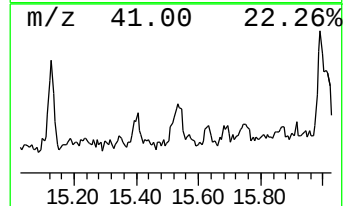
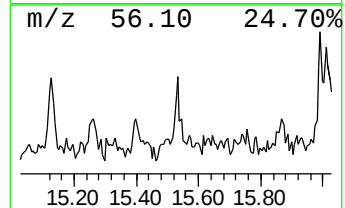
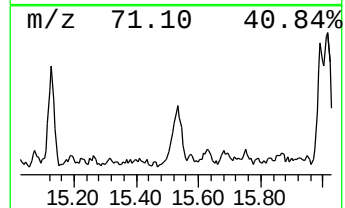
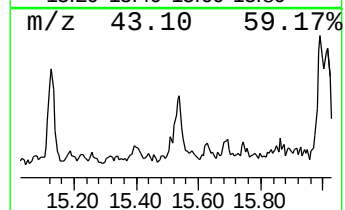
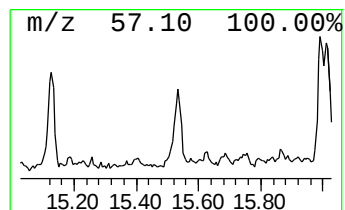
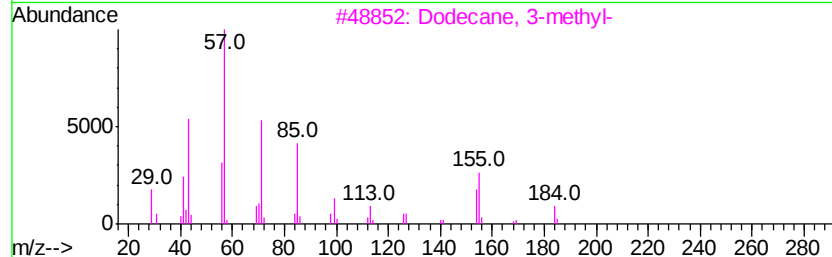
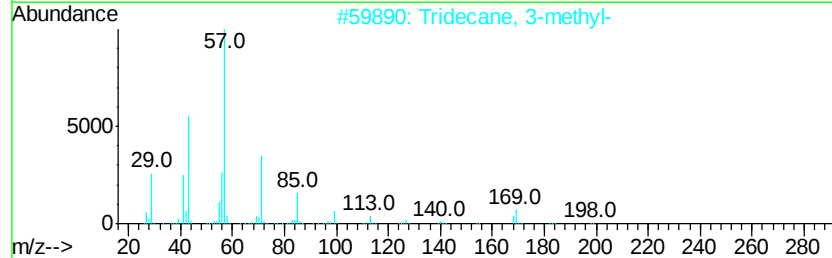
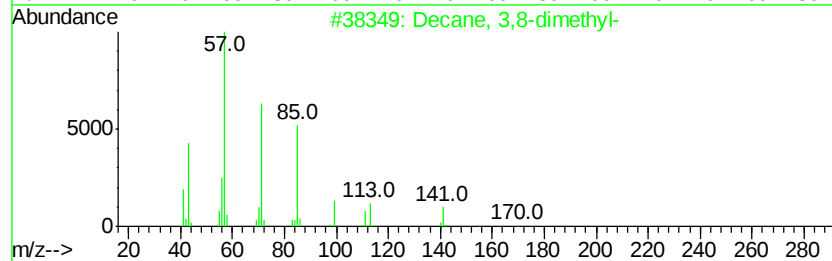
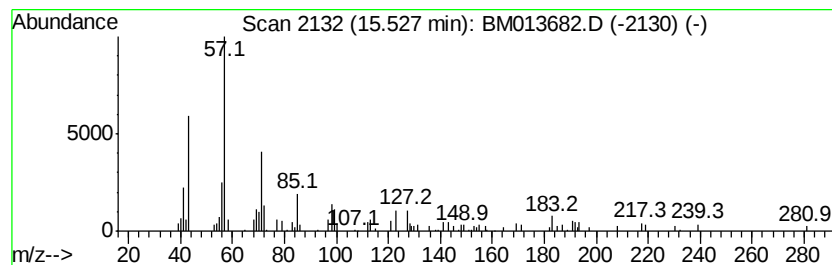
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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.04 ng/ul	176528	Acenaphthene-d10	14.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
2		Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
4		Dodecane	170	C12H26	000112-40-3	58
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58



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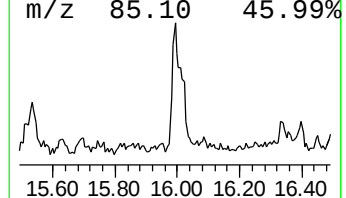
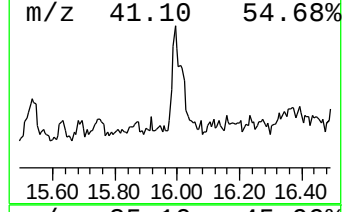
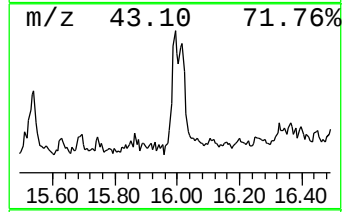
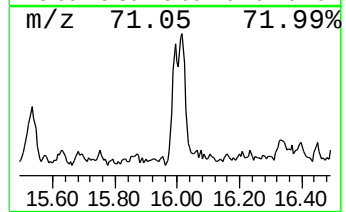
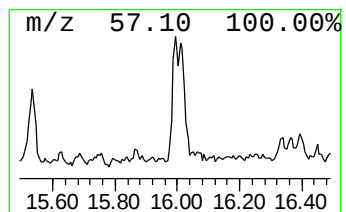
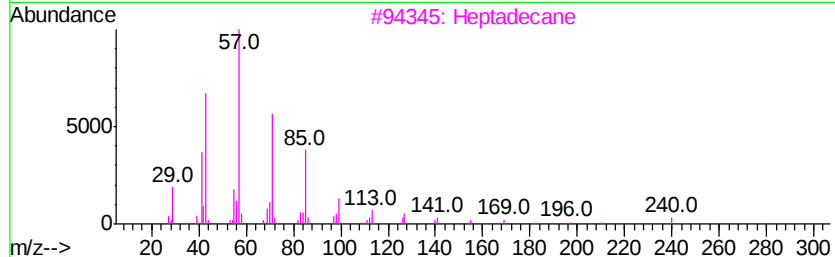
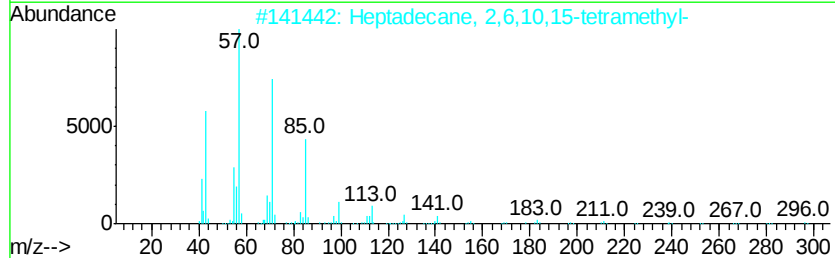
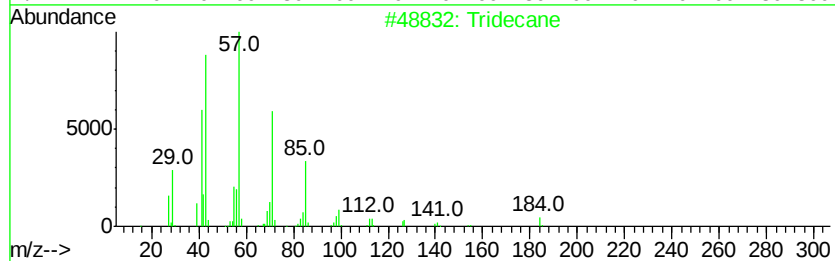
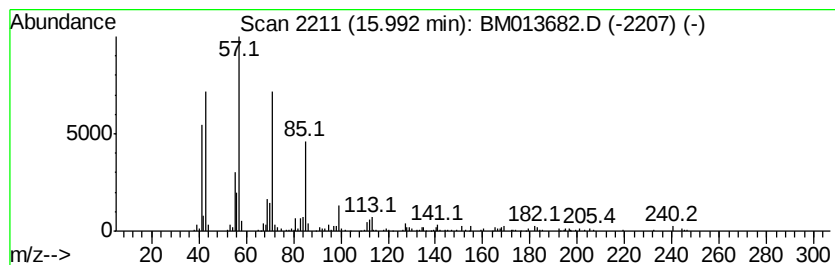
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.67 ng/ul	357649	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3		Heptadecane	240	C17H36	000629-78-7	87
4		Pentadecane	212	C15H32	000629-62-9	86
5		Heptadecane	240	C17H36	000629-78-7	81



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
Data File : BM013682.D
Acq On : 20 Jan 2018 15:18
Operator : SJ/JU
Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAJQ4

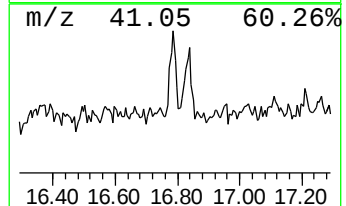
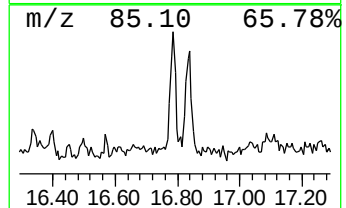
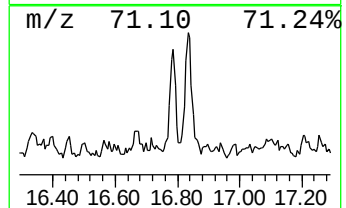
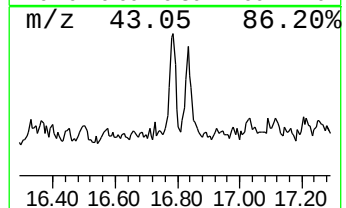
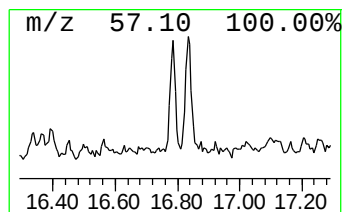
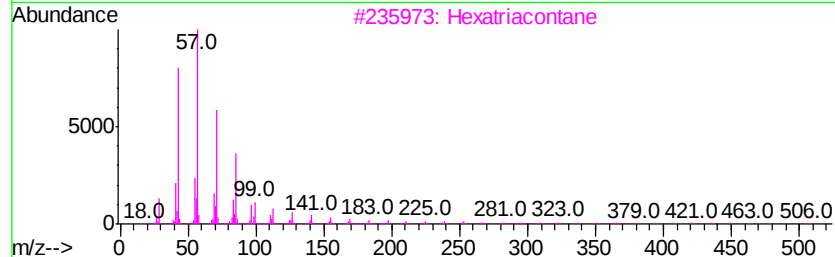
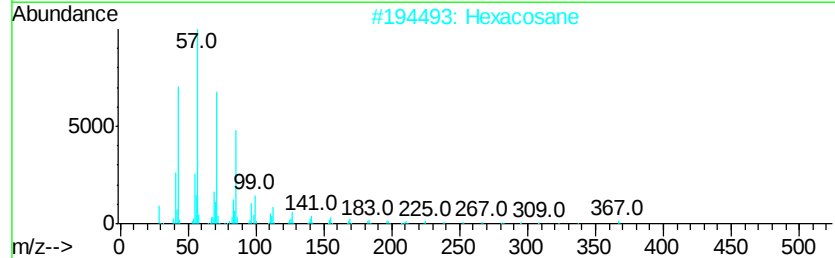
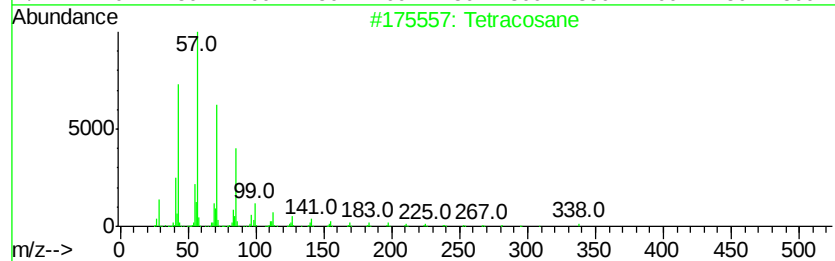
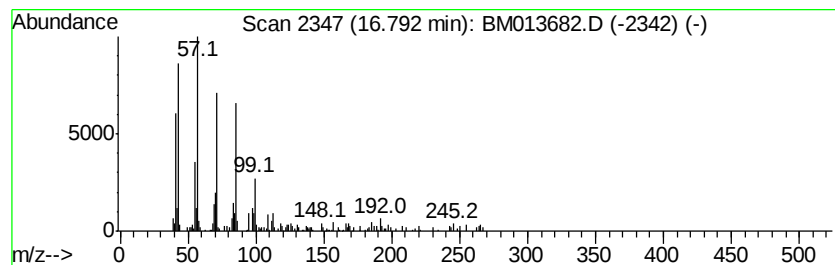
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.34 ng/ul	228151	Phenanthrene-d10	17.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	86
2			Hexacosane	366	C26H54	000630-01-3	78
3			Hexatriacontane	507	C36H74	000630-06-8	78
4			Nonadecane, 9-methyl-	282	C20H42	013287-24-6	78
5			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	78



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
Data File : BM013682.D
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Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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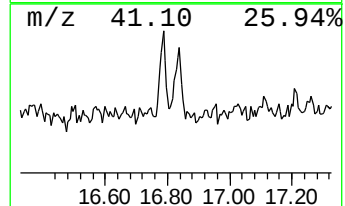
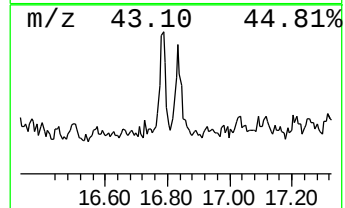
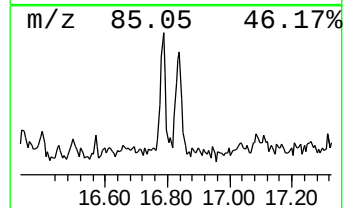
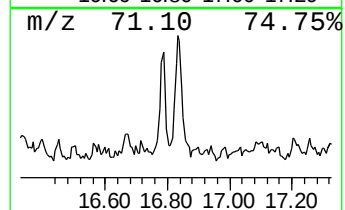
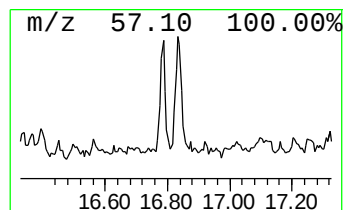
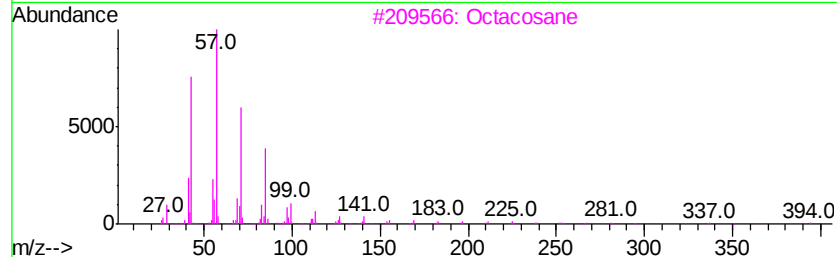
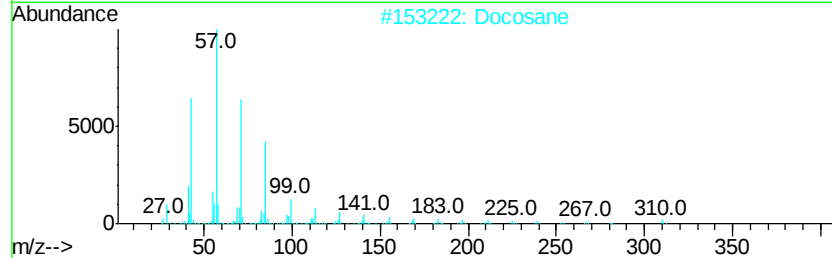
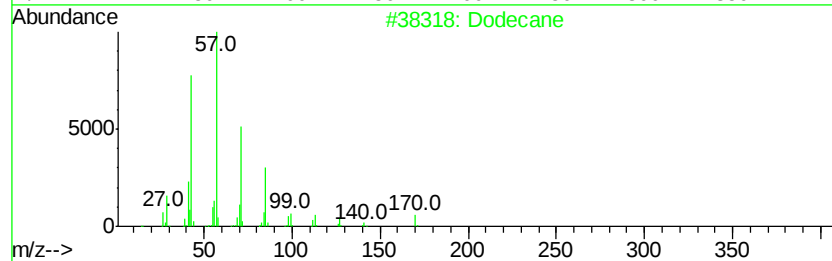
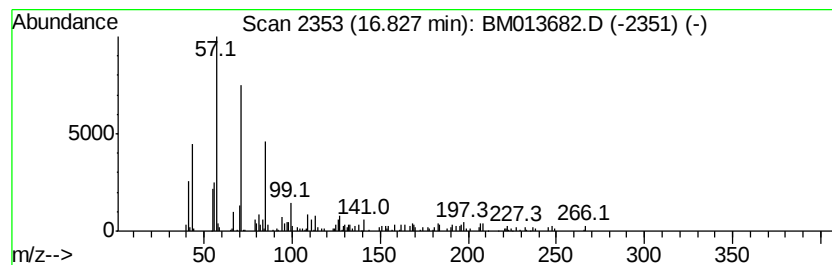
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.38 ng/ul	231765	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	90
2		Docosane	310	C22H46	000629-97-0	86
3		Octacosane	394	C28H58	000630-02-4	86
4		Decane, 2-methyl-	156	C11H24	006975-98-0	86
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
Data File : BM013682.D
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Operator : SJ/JU
Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

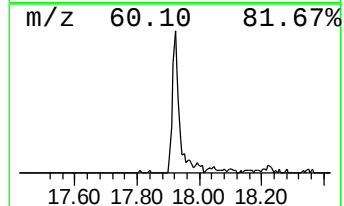
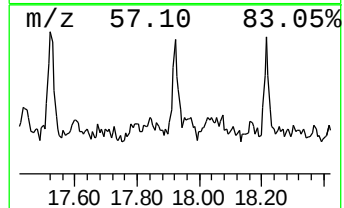
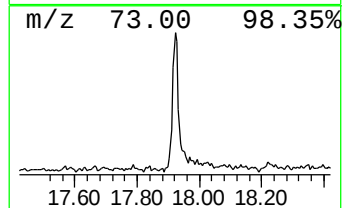
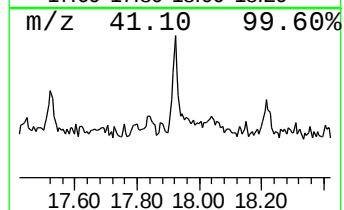
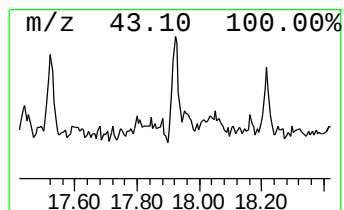
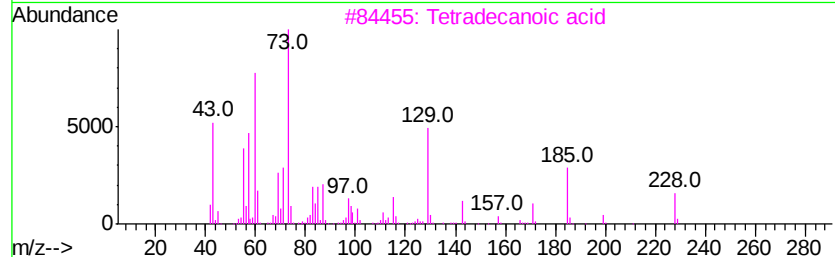
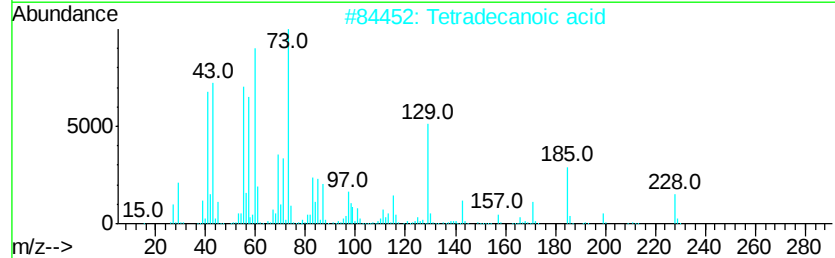
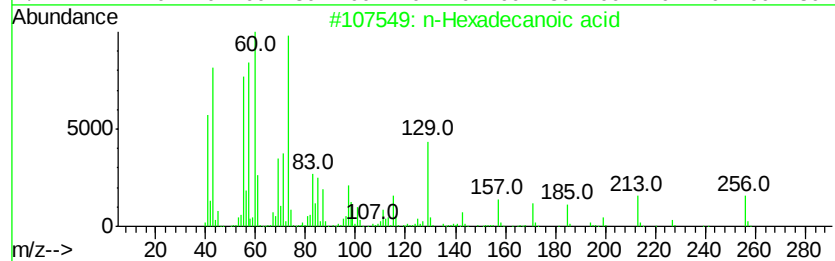
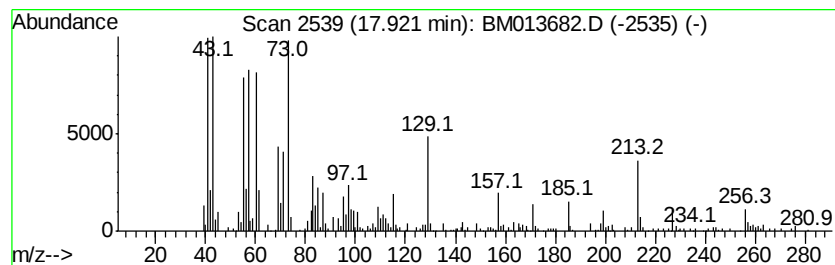
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.		
17.92	6.47 ng/ul	631422	Phenanthrene-d10		17.02		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	81



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
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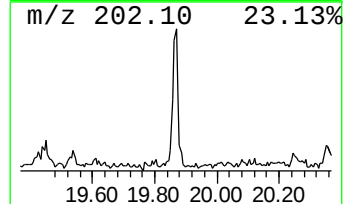
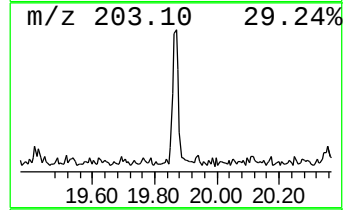
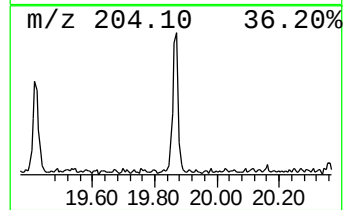
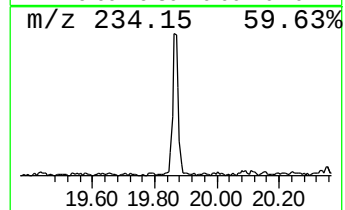
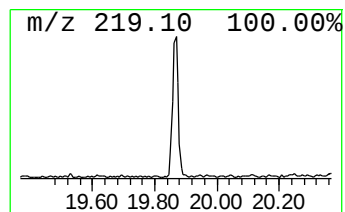
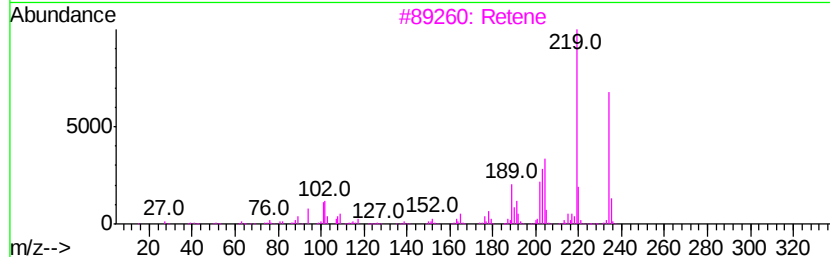
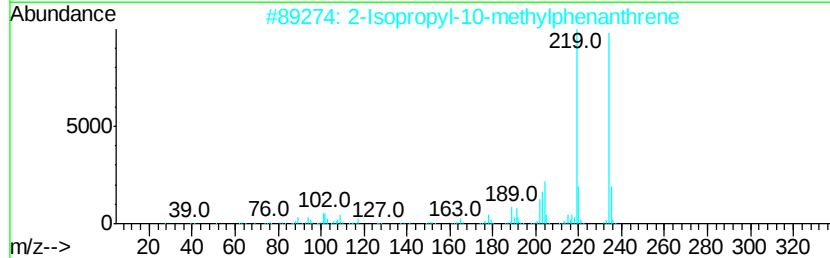
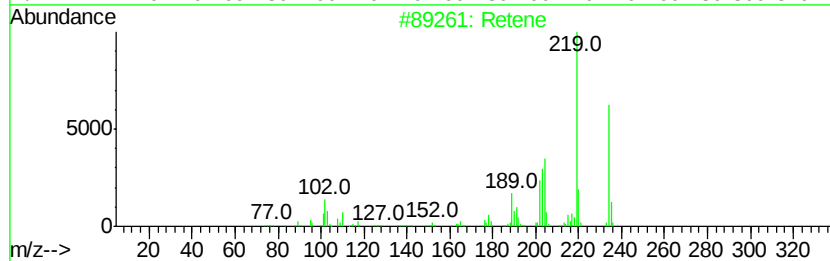
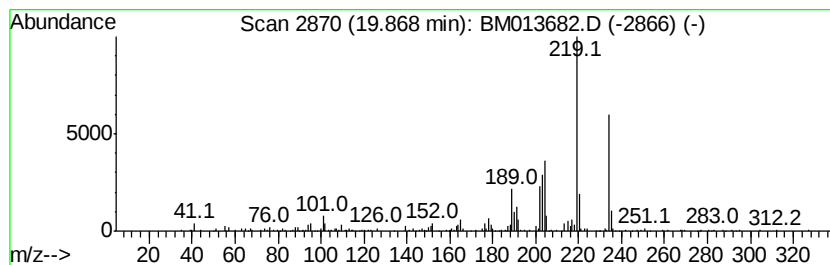
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Retene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	3.74 ng/ul	441388	Chrysene-d12	21.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Retene		234 C18H18	000483-65-8 95
2	2-Isopropyl-10-methylphenanthrene		234 C18H18	066552-97-4 94
3	Retene		234 C18H18	000483-65-8 93
4	Retene		234 C18H18	000483-65-8 81
5	1-(10-Methylantracen-9-yl)ethanone		234 C17H14O	036778-18-4 70



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
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Misc :
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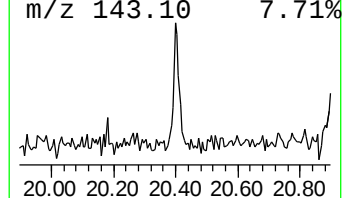
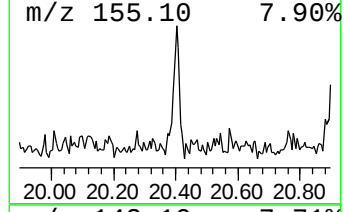
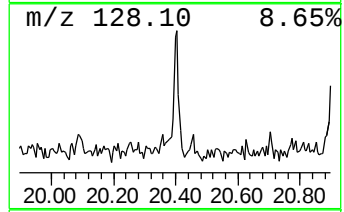
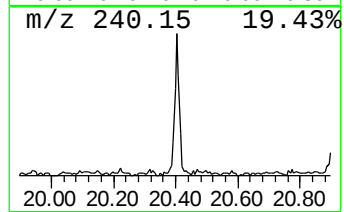
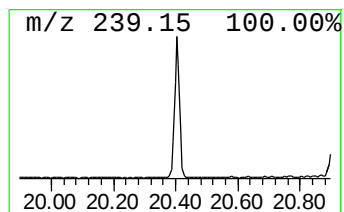
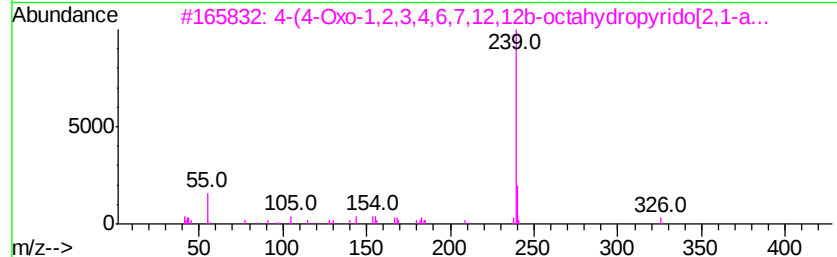
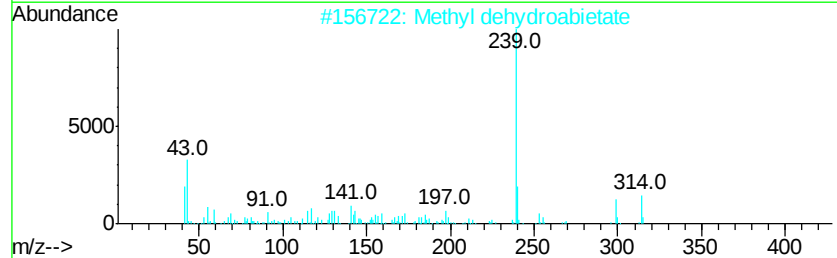
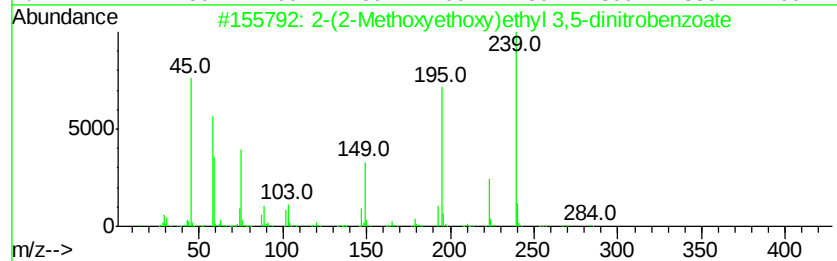
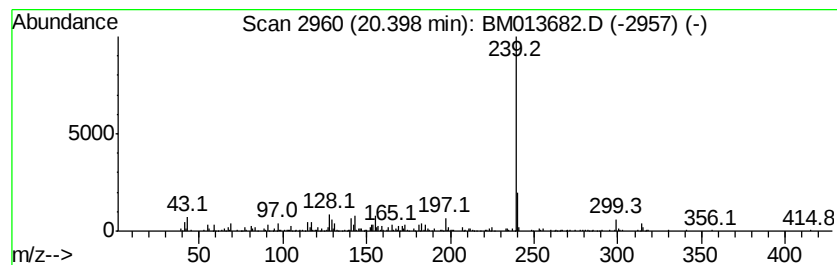
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 2-(2-Methoxyethoxy)ethyl 3,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	4.70 ng/ul	554254	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(2-Methoxvethoxv)ethyl 3,5-din...	314	C12H14N2O8	1000378-31-0	53
2		Methyl dehydroabietate	314	C21H30O2	001235-74-1	49
3		4-(4-Oxo-1,2,3,4,6,7,12,12b-octa...	326	C19H22N2O3	1000137-91-1	45
4		Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	45
5		Methyl dehydroabietate	314	C21H30O2	001235-74-1	44



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
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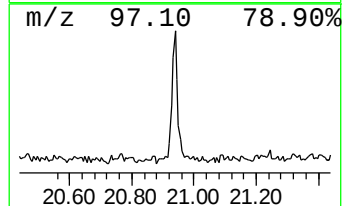
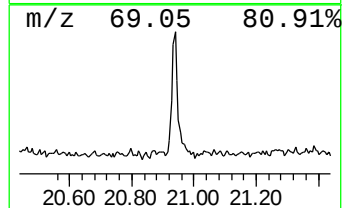
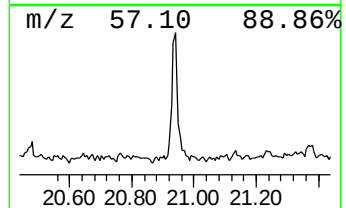
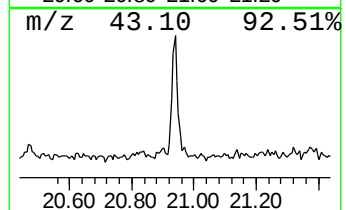
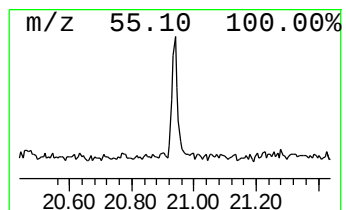
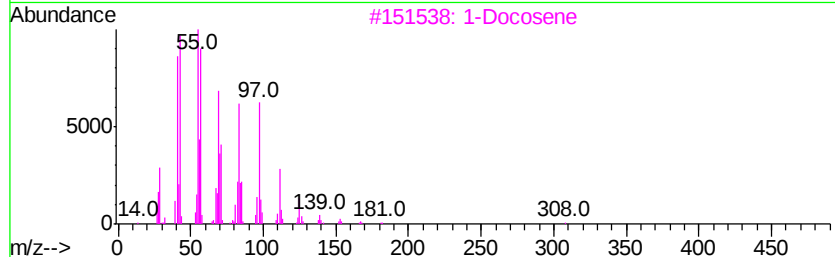
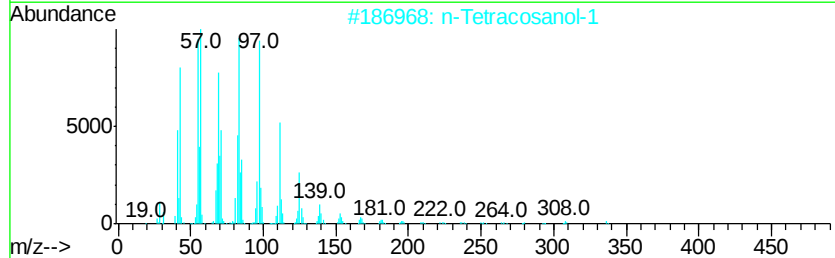
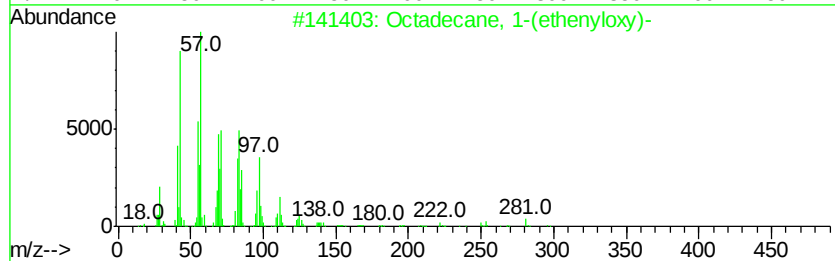
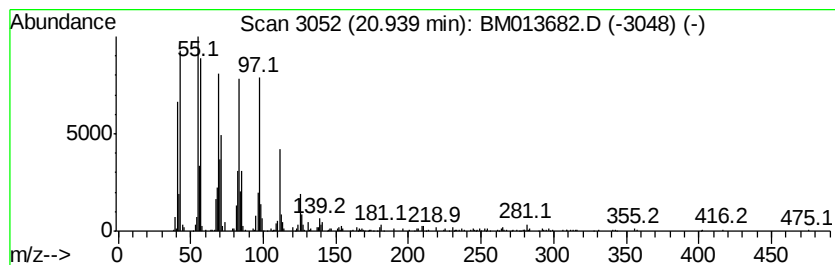
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octadecane, 1-(ethenyloxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	7.55 ng/ul	890692	Chrysene-d12	21.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	95
2			n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3			1-Docosene	308	C22H44	001599-67-3	83
4			1-Triacontanol	438	C30H62O	000593-50-0	81
5			1-Heptacosanol	396	C27H56O	002004-39-9	81



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
Data File : BM013682.D
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Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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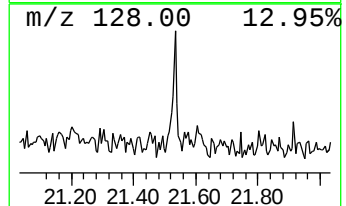
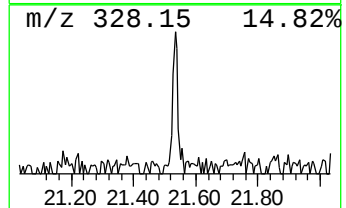
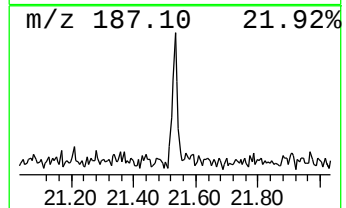
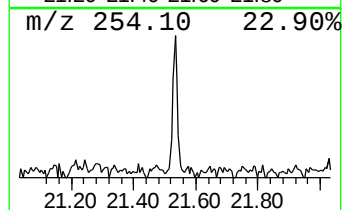
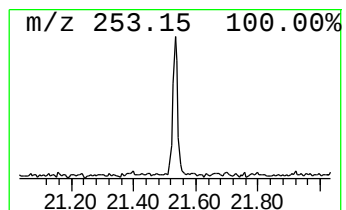
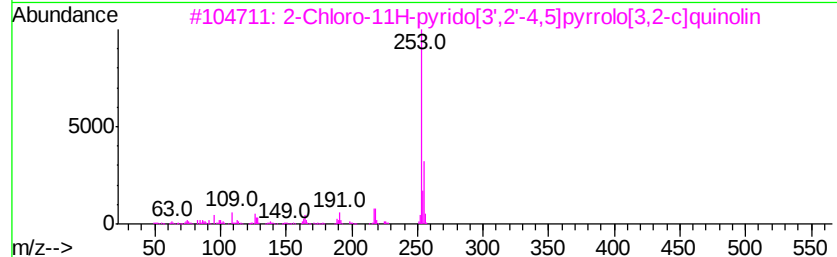
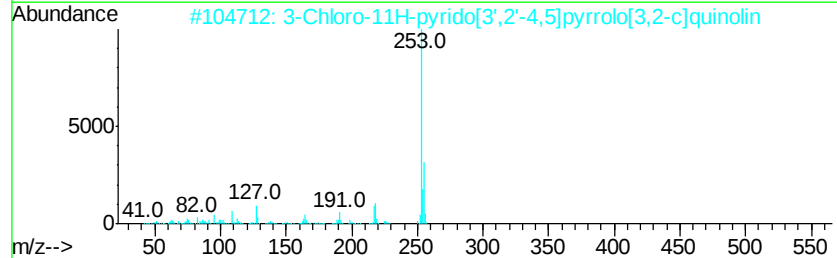
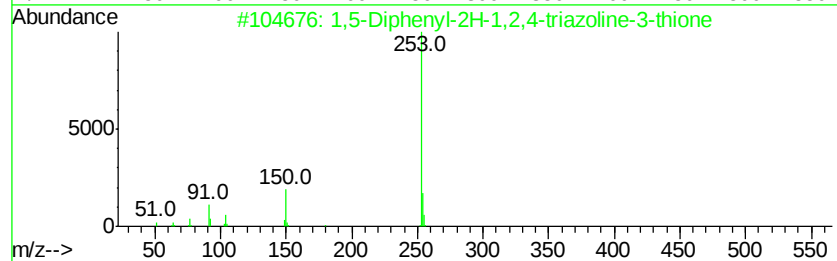
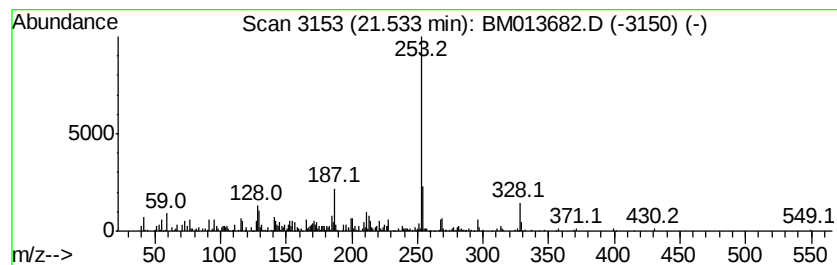
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1,5-Diphenyl-2H-1,2,4-triaz... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.21 ng/ul	260601	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,5-Diphenyl-2H-1,2,4-triazoline...	253	C14H11N3S	005055-74-3	52
2		3-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-4	50
3		2-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-3	50
4		Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	50
5		2H-Benzopyran-6-carbonitrile, 3,...	286	C16H18N2O3	150871-62-8	50



Data Path : U:\HPCHEM1\BNA M\DATA\BM012018\
Data File : BM013682.D
Acq On : 20 Jan 2018 15:18
Operator : SJ/JU
Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAJQ4

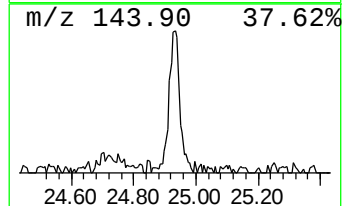
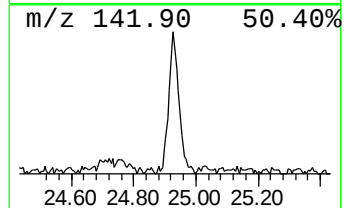
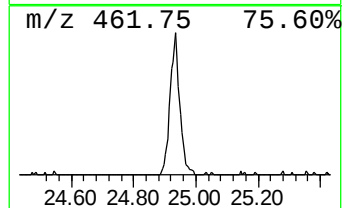
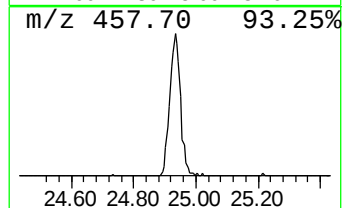
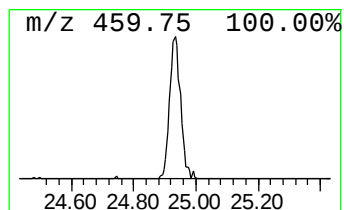
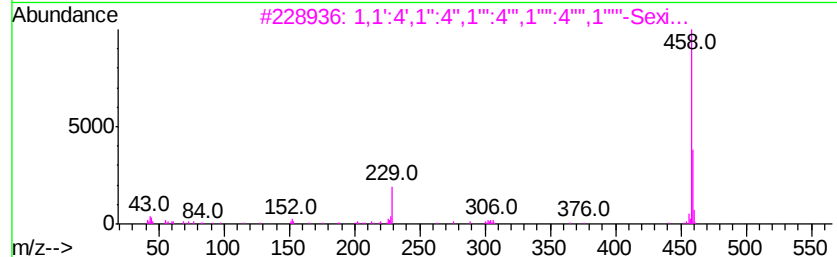
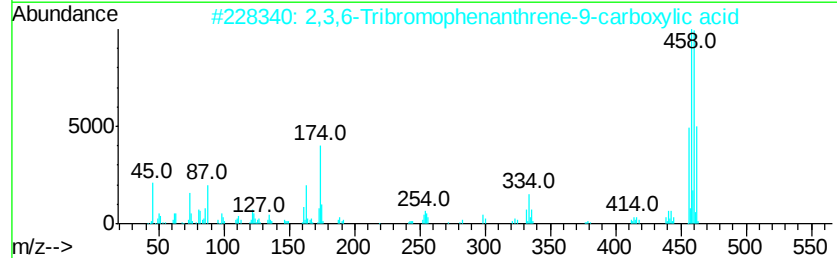
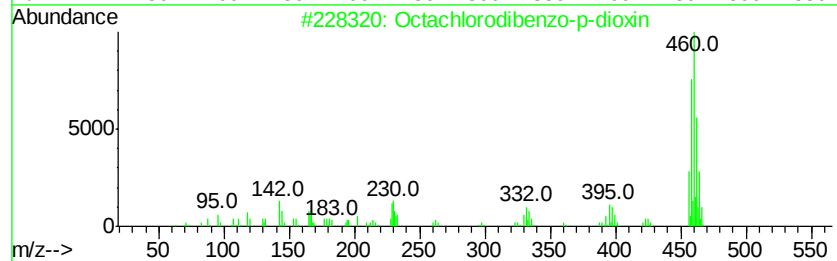
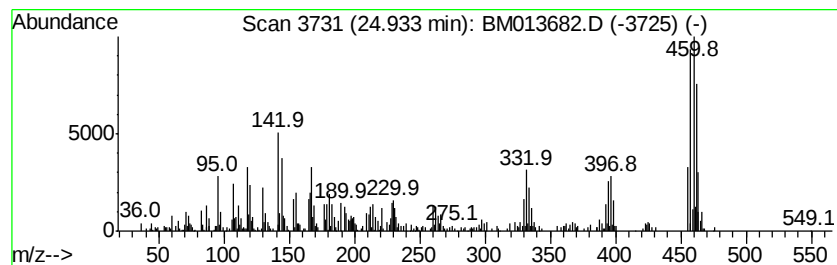
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octachlorodibenzo-p-dioxin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.93	9.45 ng/ul	1032040	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octachlorodibenzo-p-dioxin	456	C12Cl8O2	003268-87-9	98
2		2,3,6-Tribromophenanthrene-9-car...	456	C15H7Br3O2	056988-60-4	10
3		1,1':4',1'':4'',1''':4''',1''':4''':...	458	C36H26	004499-83-6	10
4		Silane, [(3.beta.,5.alpha.)-chol...	458	C30H54OSi	002665-03-4	10
5		Cholestane, 3,3-ethylenedithio-	462	C29H50S2	1000128-33-3	9



Data Path : U:\HPCHEM1\BNA_M\DATA\BM012018\
Data File : BM013682.D
Acq On : 20 Jan 2018 15:18
Operator : SJ/JU
Sample : J1097-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAJQ4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(1R)-2,6,6-Trimet...	6.30	11.2	ng/ul	532096	1	7.61	953966	20.0
(DEL) Alkane: Str...	14.17	2.2	ng/ul	191910	3	14.26	1734010	20.0
(DEL) Alkane: Str...	15.13	3.4	ng/ul	290068	3	14.26	1734010	20.0
(DEL) Alkane: Str...	15.53	2.0	ng/ul	176528	3	14.26	1734010	20.0
(DEL) Alkane: Str...	15.99	3.7	ng/ul	357649	4	17.02	1951680	20.0
(DEL) Alkane: Str...	16.79	2.3	ng/ul	228151	4	17.02	1951680	20.0
(DEL) Alkane: Str...	16.83	2.4	ng/ul	231765	4	17.02	1951680	20.0
n-Hexadecanoic acid	17.92	6.5	ng/ul	631422	4	17.02	1951680	20.0
Retene	19.87	3.7	ng/ul	441388	5	21.22	2360730	20.0
2-(2-Methoxyethox...	20.40	4.7	ng/ul	554254	5	21.22	2360730	20.0
Octadecane, 1-(et...	20.94	7.5	ng/ul	890692	5	21.22	2360730	20.0
1,5-Diphenyl-2H-1...	21.53	2.2	ng/ul	260601	5	21.22	2360730	20.0
Octachlorodibenzo...	24.93	9.4	ng/ul	1032040	6	23.41	2184380	20.0