

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
 Data File : BM009847.D
 Acq On : 02 May 2017 01:17
 Operator : SJ/MA
 Sample : I2848-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHT57

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-BM042517.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	6.981	656	662	673	rBV	239926	429865	6.11%	1.040%
2	7.146	684	690	697	rVB	204936	317920	4.52%	0.769%
3	7.340	717	723	732	rBV	242858	413637	5.88%	1.000%
4	7.811	796	803	810	rBV	438246	727946	10.34%	1.761%
5	8.516	917	923	932	rBV	292132	497166	7.06%	1.202%
6	8.975	994	1001	1011	rBV	267324	459863	6.53%	1.112%
7	9.699	1116	1124	1131	rBV	215982	386734	5.49%	0.935%
8	10.234	1209	1215	1224	rBV2	299024	528180	7.50%	1.277%
9	10.604	1272	1278	1288	rVB	648927	1085665	15.42%	2.626%
10	10.757	1295	1304	1317	rVB2	233991	503700	7.15%	1.218%
11	11.599	1442	1447	1450	rBV	53660	79809	1.13%	0.193%
12	12.957	1673	1678	1683	rVB	117048	166854	2.37%	0.404%
13	13.863	1827	1832	1837	rBV	594945	893953	12.70%	2.162%
14	13.910	1837	1840	1845	rVB3	222284	288577	4.10%	0.698%
15	14.151	1875	1881	1886	rBV	694215	1021616	14.51%	2.471%
16	14.457	1927	1933	1941	rVB2	1006090	1619586	23.00%	3.917%
17	14.687	1965	1972	1979	rBV	183260	371790	5.28%	0.899%
18	14.834	1993	1997	2000	rBV3	45783	71027	1.01%	0.172%
19	14.951	2012	2017	2021	rBV6	43432	83116	1.18%	0.201%
20	15.451	2096	2102	2107	rBV	976804	1410746	20.04%	3.412%
21	15.592	2121	2126	2131	rBV	250281	372938	5.30%	0.902%
22	15.686	2137	2142	2151	rVB	220922	367017	5.21%	0.888%
23	16.163	2216	2223	2228	rBV	421141	737740	10.48%	1.784%
24	16.986	2358	2363	2368	rBV	320943	473613	6.73%	1.145%
25	17.210	2394	2401	2407	rBV	1463497	2147390	30.50%	5.194%
26	17.310	2413	2418	2424	rVB	1194131	1634963	23.22%	3.954%
27	17.592	2463	2466	2470	rBV2	102611	134336	1.91%	0.325%
28	17.898	2515	2518	2522	rVB4	75617	86095	1.22%	0.208%
29	18.086	2546	2550	2555	rBV3	121031	201062	2.86%	0.486%
30	18.204	2566	2570	2578	rBV3	371409	526462	7.48%	1.273%
31	18.480	2612	2617	2624	rVB2	951971	1381517	19.62%	3.341%
32	18.669	2644	2649	2657	rBV	5575207	7040582	100.00%	17.028%
33	18.827	2672	2676	2682	rVB3	203734	344461	4.89%	0.833%
34	19.169	2730	2734	2737	rBV2	179916	275187	3.91%	0.666%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	19.604	2804	2808	2813	rBV	1442900	1909852	27.13%	4.619%
36	19.721	2825	2828	2831	rBV	362273	487431	6.92%	1.179%
37	20.063	2883	2886	2890	rVB	1079017	1113371	15.81%	2.693%
38	20.316	2924	2929	2937	rBV	3947711	5359516	76.12%	12.963%
39	21.080	3056	3059	3065	rVB	1340456	1642911	23.33%	3.974%
40	21.398	3109	3113	3122	rVB	2718767	3751797	53.29%	9.074%

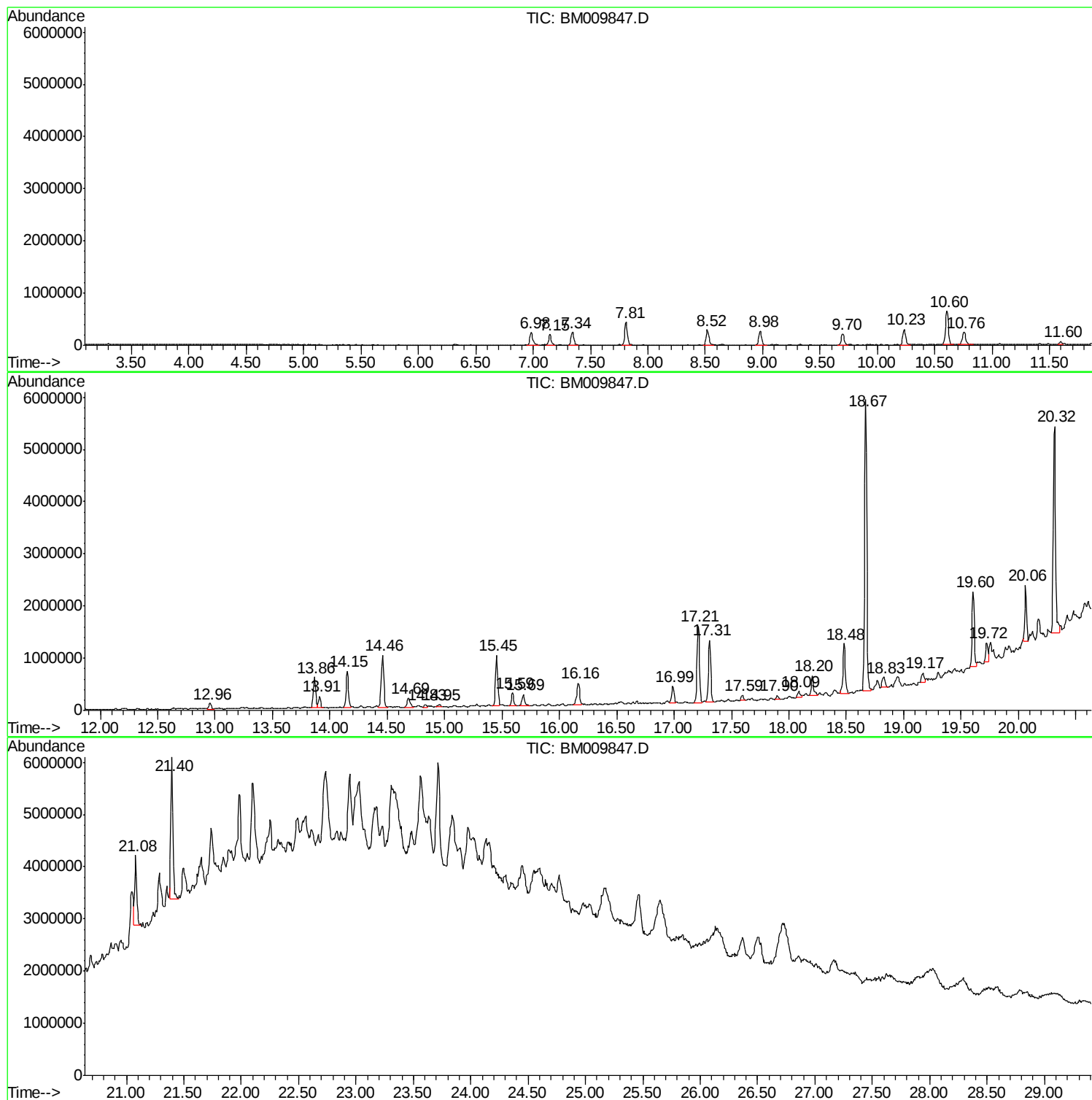
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.M
Quant Title : SVOA CALIBRATION

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



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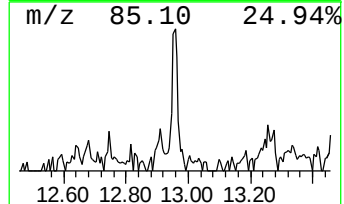
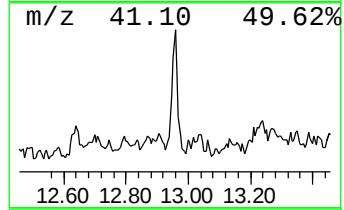
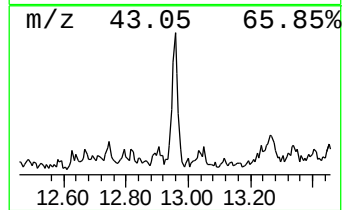
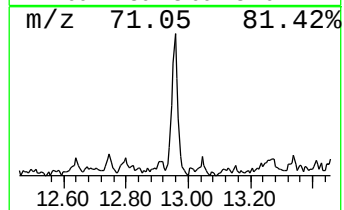
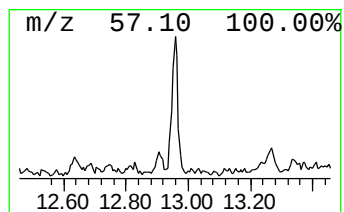
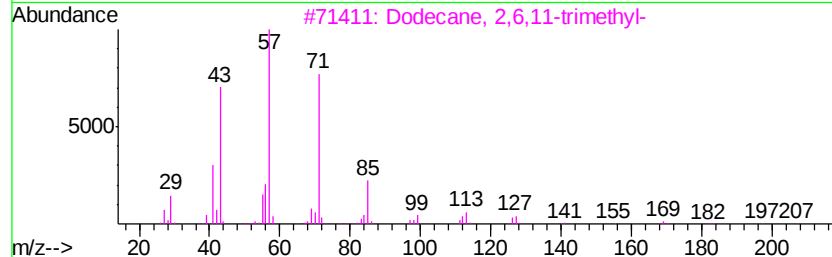
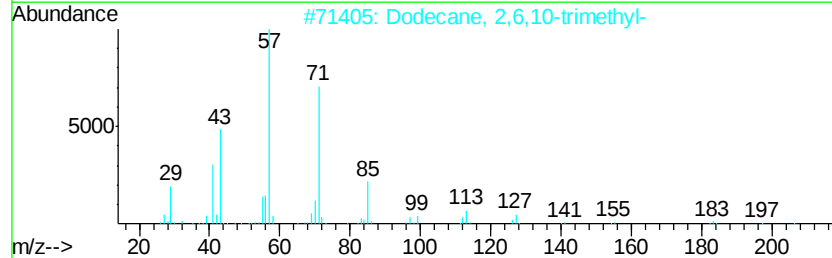
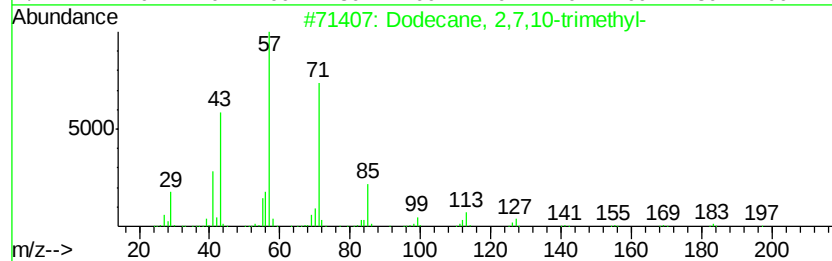
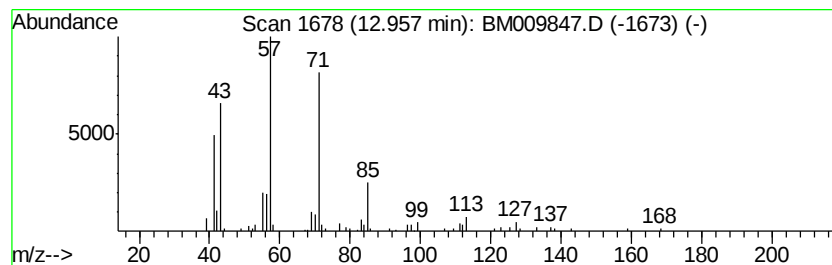
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.06 ng/ul	166854	Acenaphthene-d10	14.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4			Decane, 5-propyl-	184	C13H28	017312-62-8	64
5			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	53



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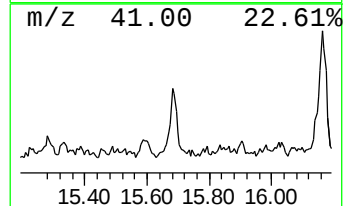
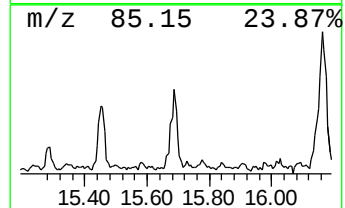
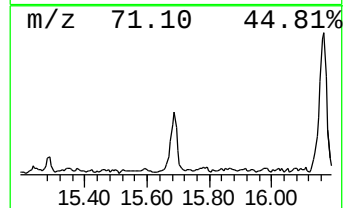
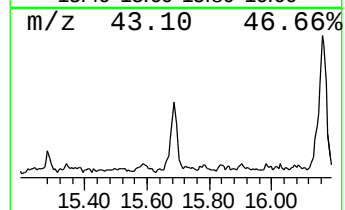
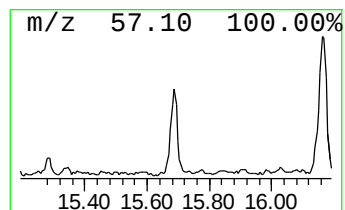
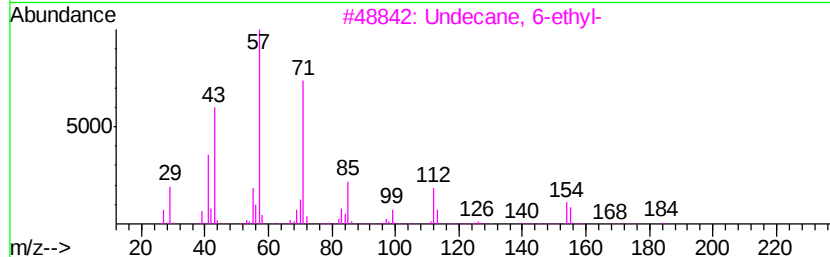
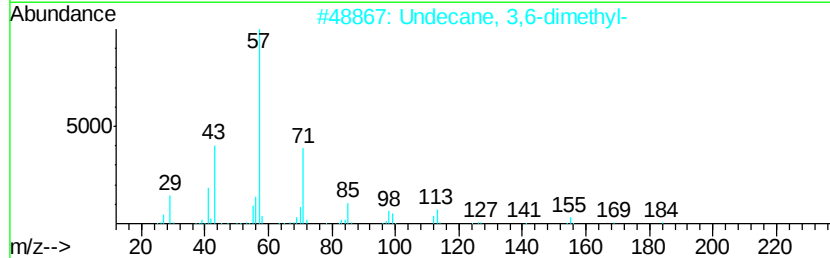
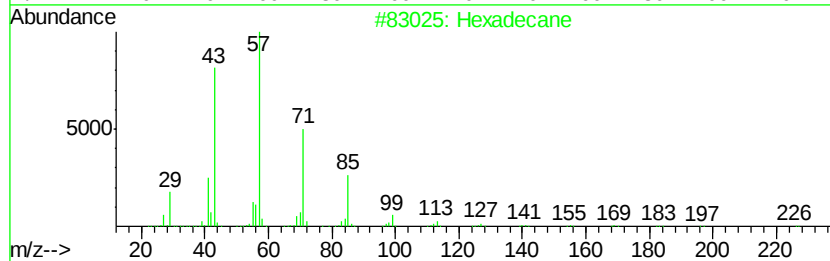
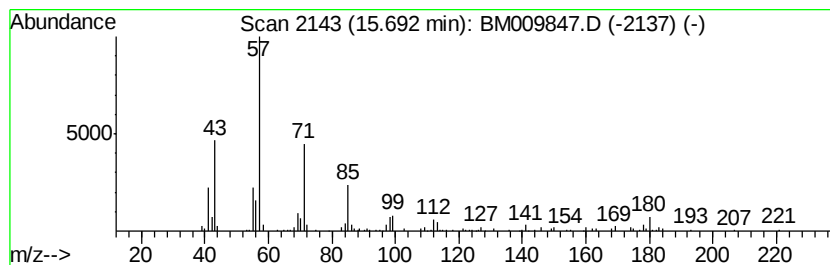
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.69	4.53 ng/ul	367017	Acenaphthene-d10	14.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	74
4	Pentadecane	212	C15H32	000629-62-9	64
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53



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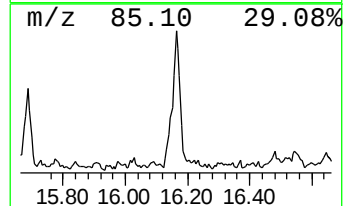
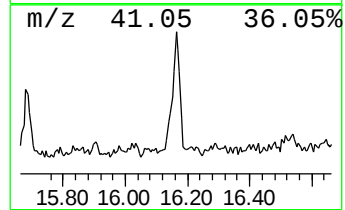
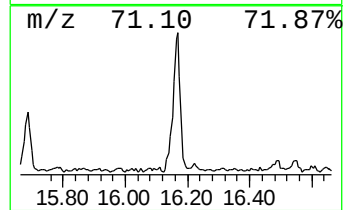
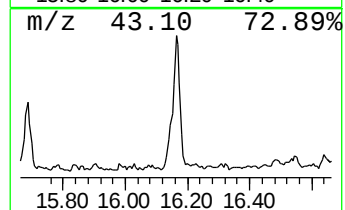
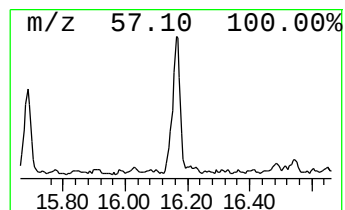
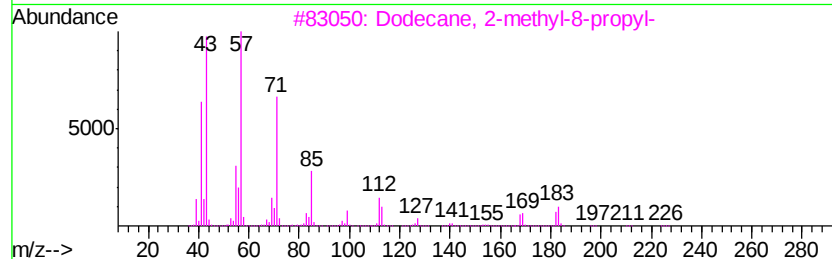
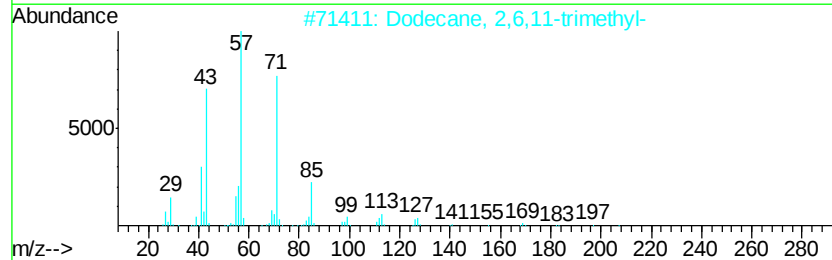
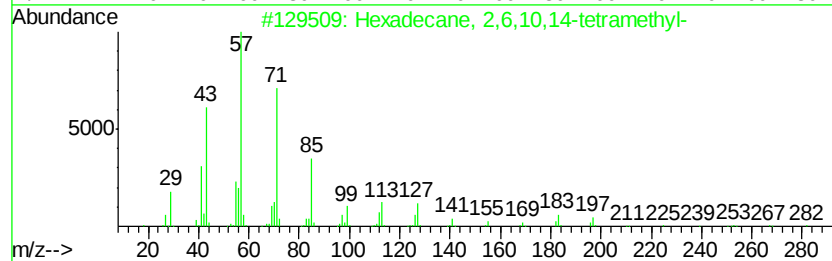
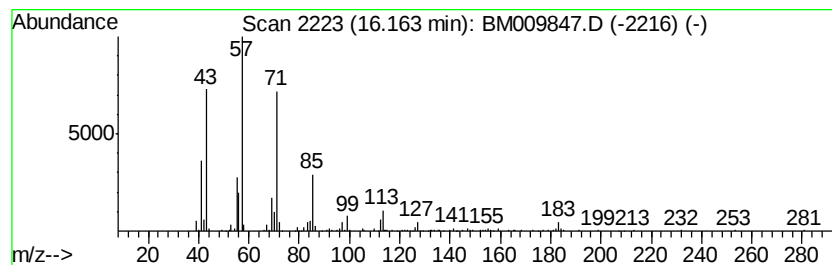
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	6.87 ng/ul	737740	Phenanthrene-d10	17.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3		Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	86
4		Decane, 2-methyl-	156	C11H24	006975-98-0	83
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	81



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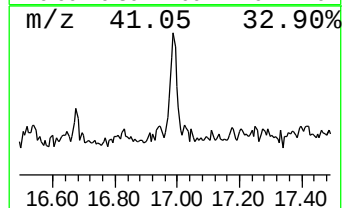
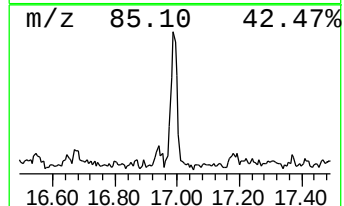
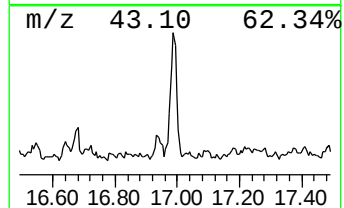
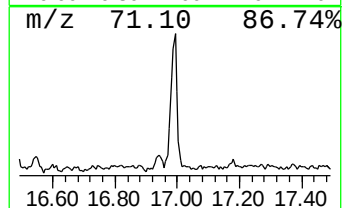
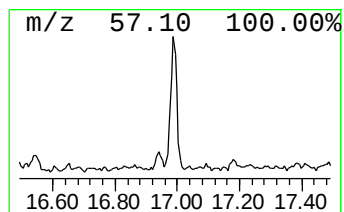
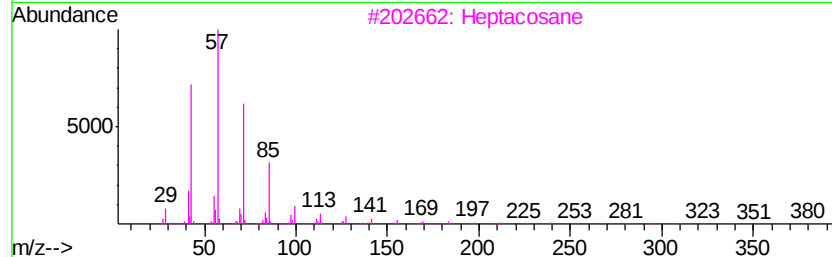
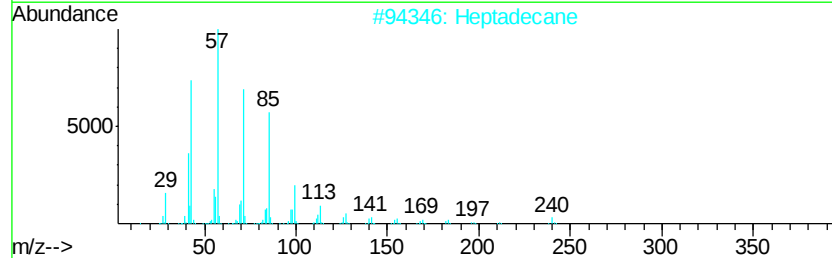
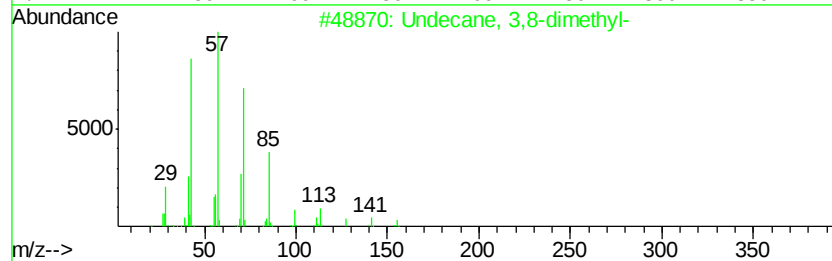
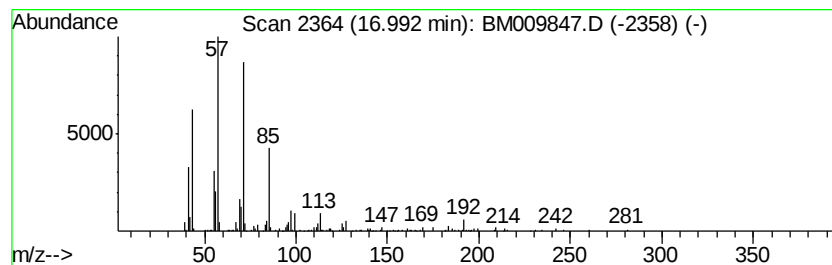
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	4.41 ng/ul	473613	Phenanthrene-d10	17.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	86
2		Heptadecane	240	C17H36	000629-78-7	86
3		Heptacosane	380	C27H56	000593-49-7	80
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72



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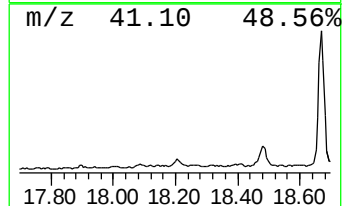
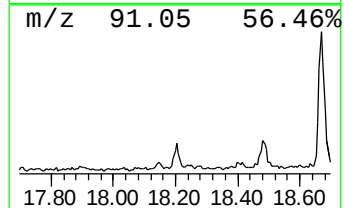
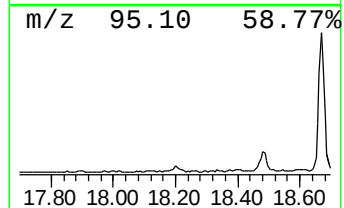
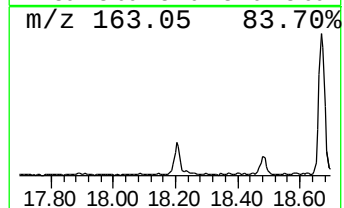
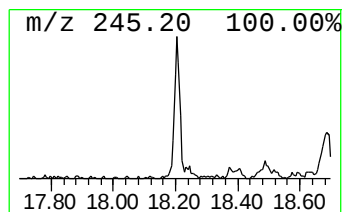
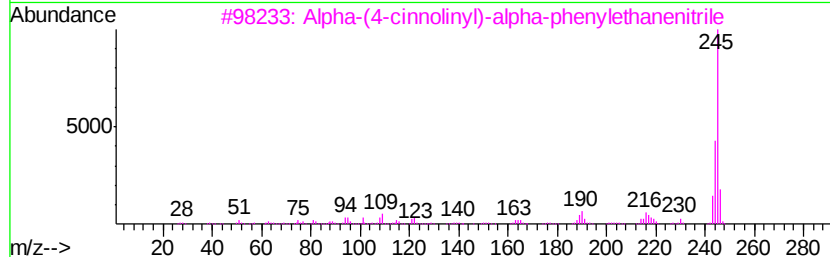
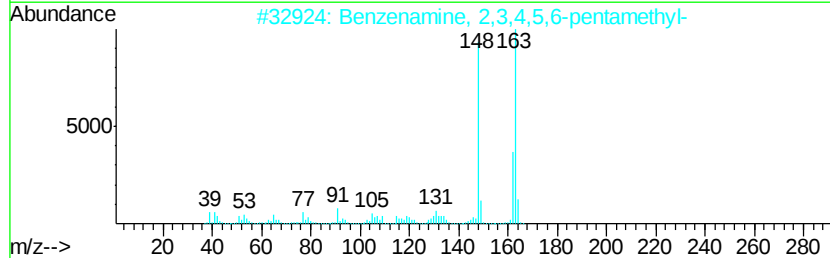
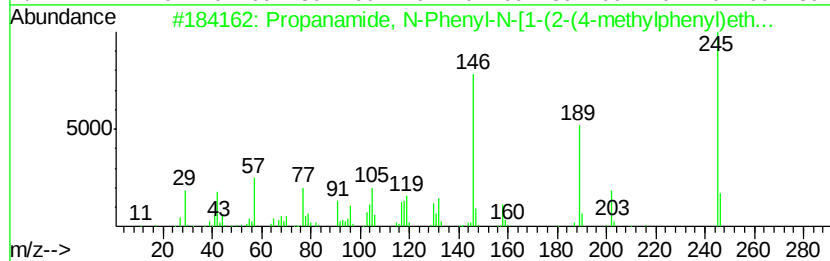
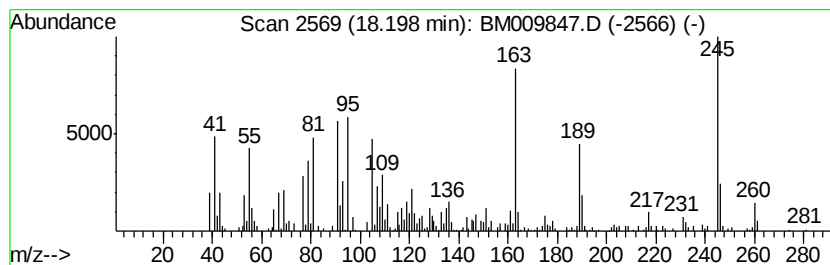
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Peak Number 5 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.20	4.90 ng/ul	526462	Phenanthrene-d10	17.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanamide, N-Phenyl-N-[1-(2-(4...	350	C23H30N2O	090736-18-8	27
2	Benzenamine, 2,3,4,5,6-pentamethyl-	163	C11H17N	002243-30-3	25
3	Alpha-(4-cinnolinyl)-alpha-pheny...	245	C16H11N3	018592-05-7	25
4	Benzene, 1,4-bis(1-hydroxy-2-pro...	194	C12H18O2	1000161-06-4	25
5	4H-1,2,4-Triazole, 3-(3,5-dimeth...	163	C7H9N5	003310-78-9	18



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
Operator : SJ/MA
Sample : I2848-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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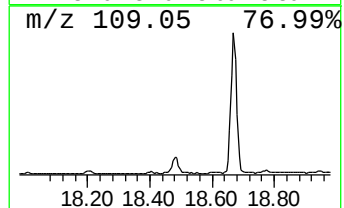
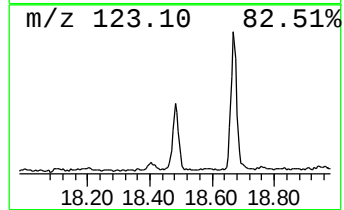
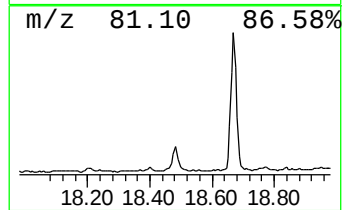
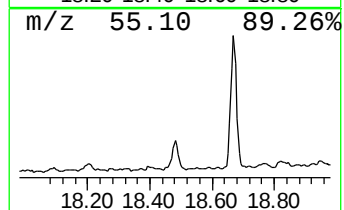
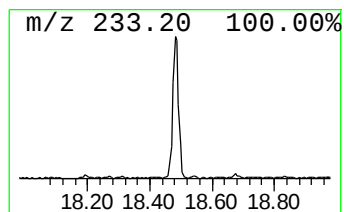
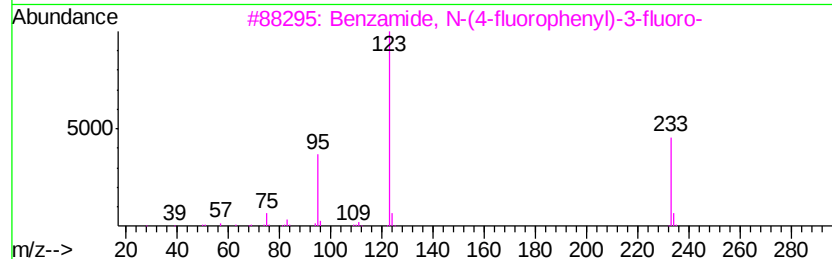
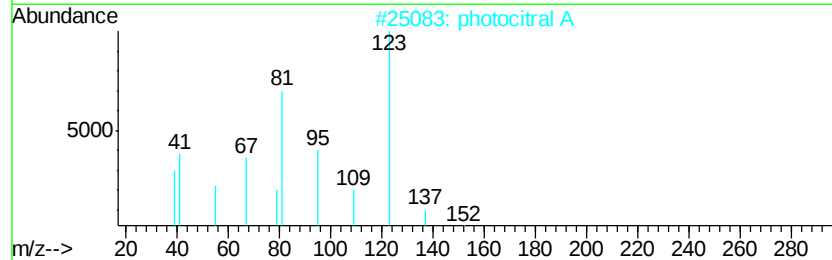
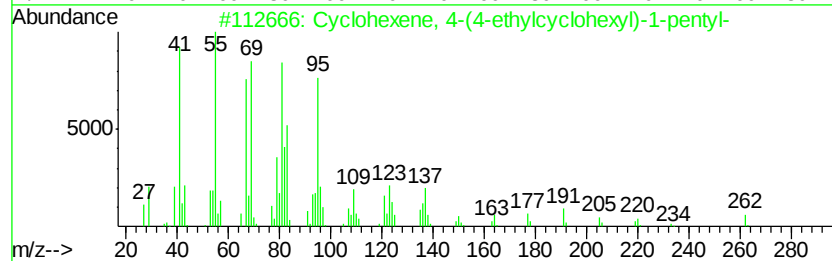
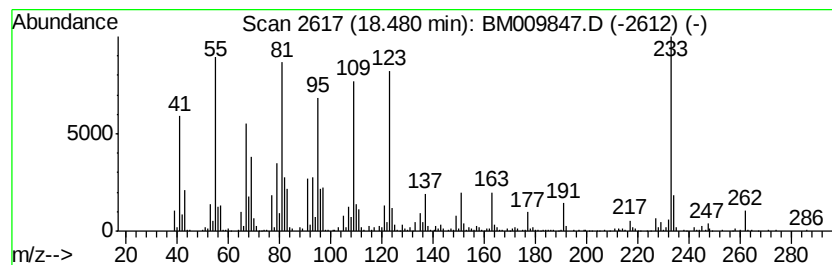
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	12.87 ng/ul	1381520	Phenanthrene-d10	17.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-(4-ethylcyclohexy...	262	C19H34	301643-32-3	47
2		photocitral A	152	C10H16O	055253-28-6	38
3		Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	38
4		1-Cyclohexene-1-acetaldehyde, .a...	152	C10H16O	053155-80-9	30
5		2,5,9-Tetradecatriene, 3,12-diet...	248	C18H32	074685-87-3	30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
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Sample : I2848-16
Misc :
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ClientSampleId :
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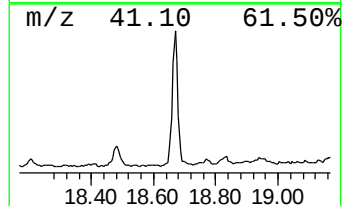
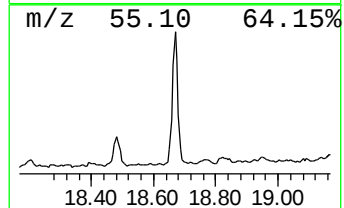
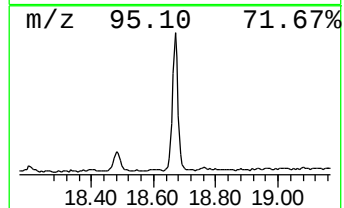
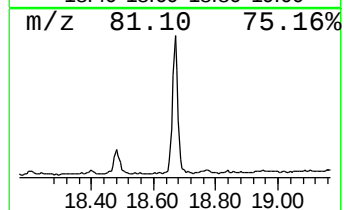
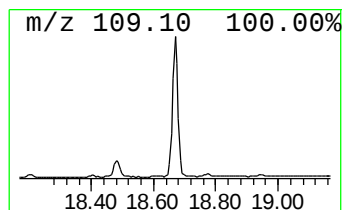
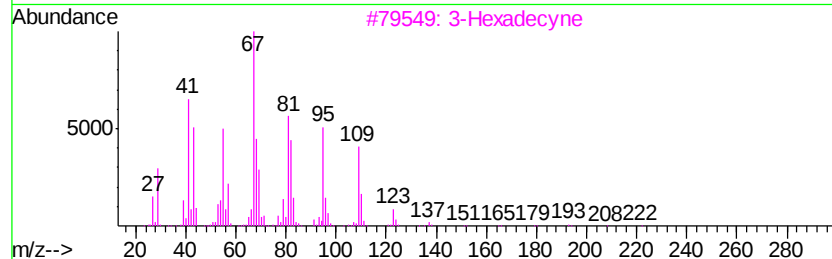
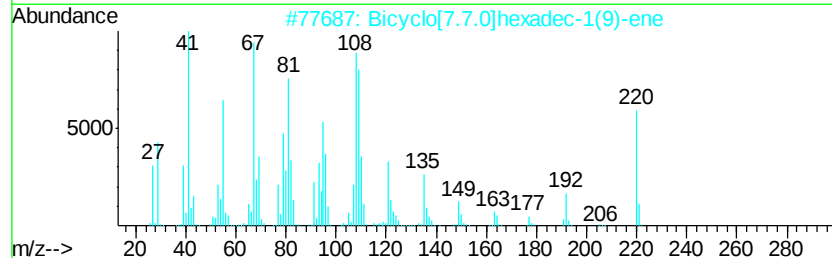
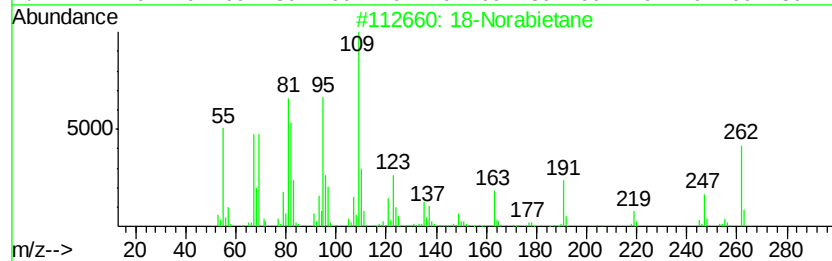
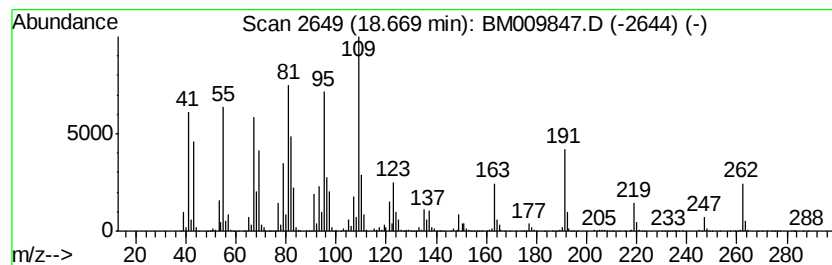
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	65.57 ng/ul	7040580	Phenanthrene-d10	17.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	92
2		Bicyclo[7.7.0]hexadec-1(9)-ene	220	C16H28	1000159-39-6	46
3		3-Hexadecyne	222	C16H30	061886-62-2	46
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	44
5		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	42



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
Operator : SJ/MA
Sample : I2848-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

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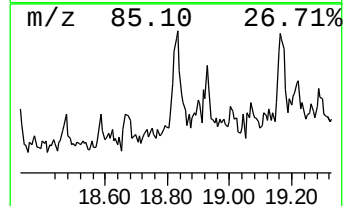
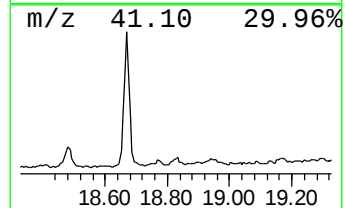
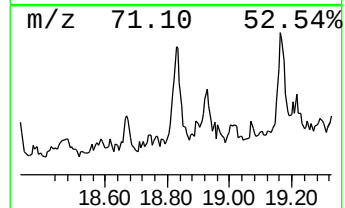
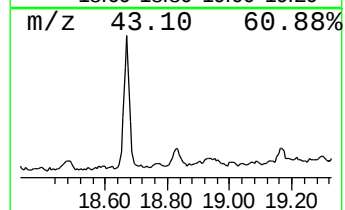
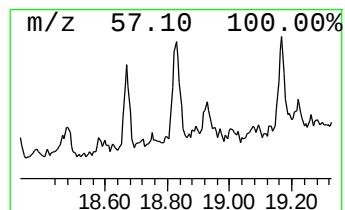
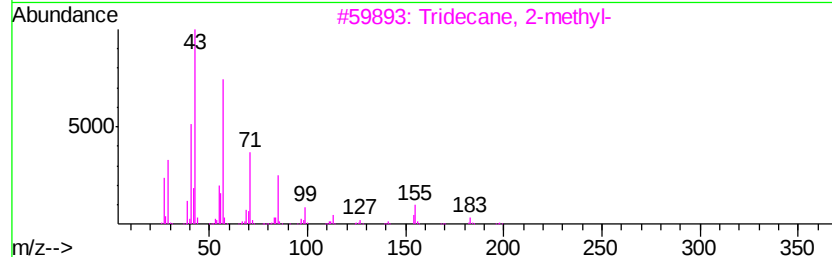
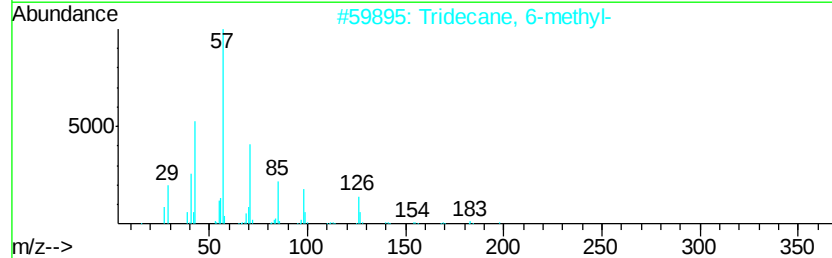
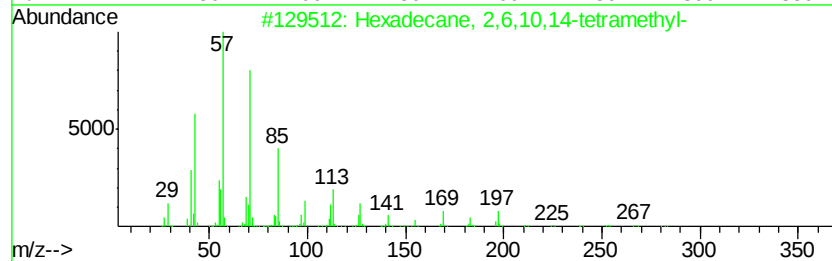
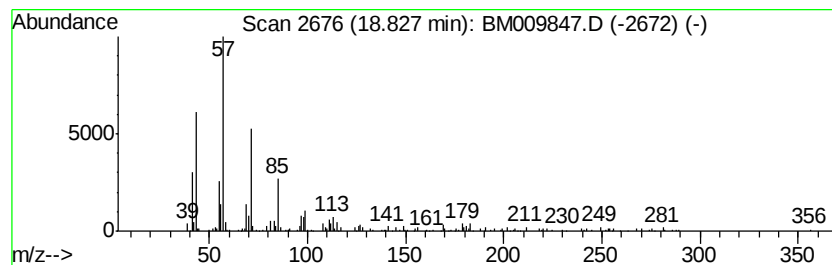
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.21 ng/ul	344461	Phenanthrene-d10	17.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
4		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
5		Nonadecane	268	C19H40	000629-92-5	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
Operator : SJ/MA
Sample : I2848-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

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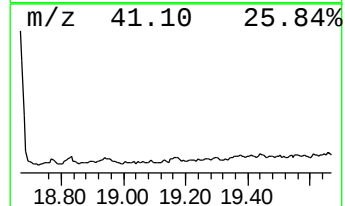
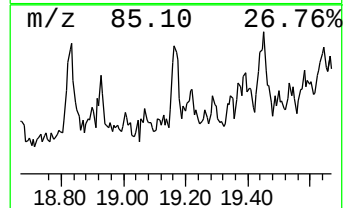
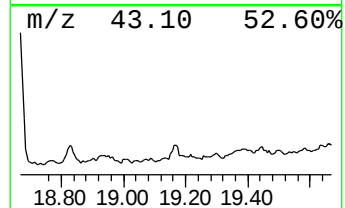
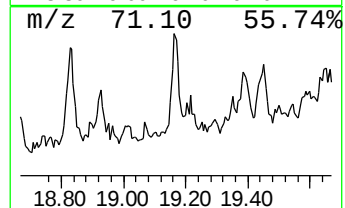
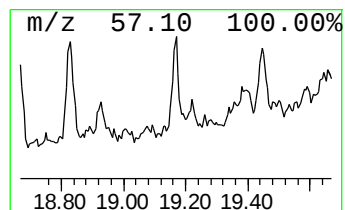
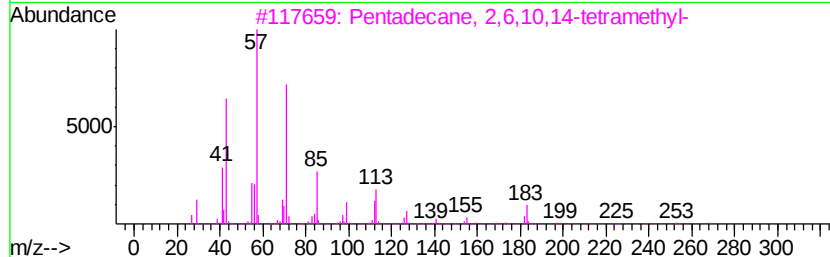
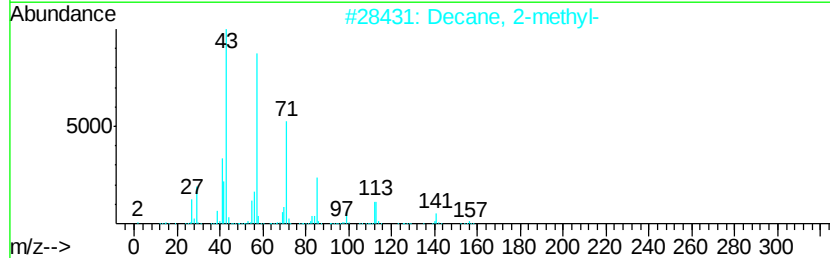
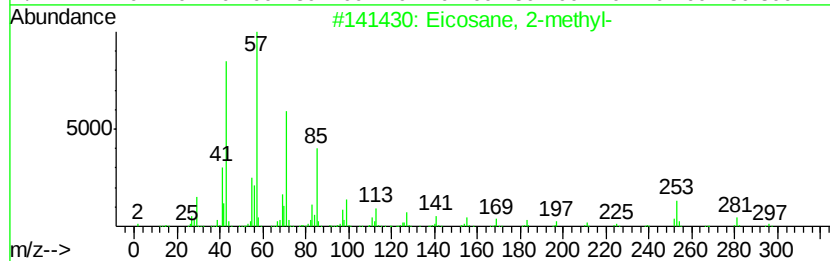
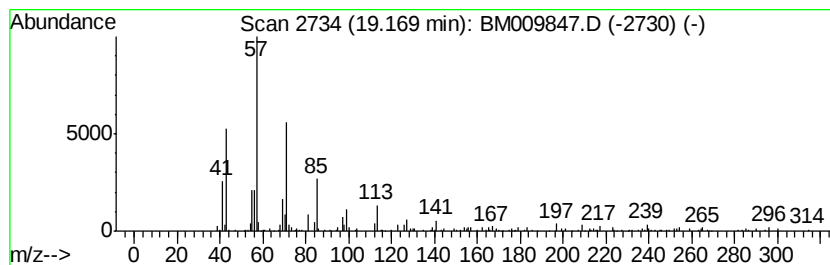
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	2.56 ng/ul	275187	Phenanthrene-d10	17.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
2			Decane, 2-methyl-	156	C11H24	006975-98-0	87
3			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
4			Heneicosane	296	C21H44	000629-94-7	86
5			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
Operator : SJ/MA
Sample : I2848-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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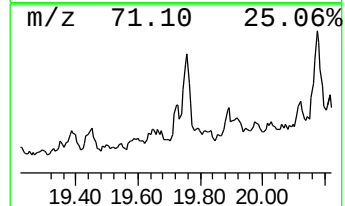
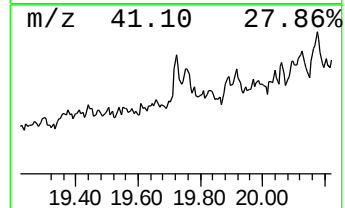
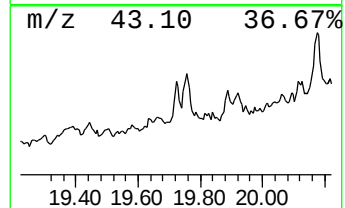
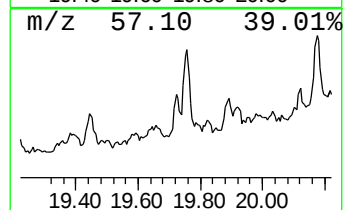
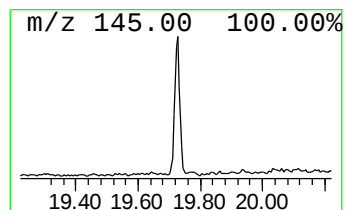
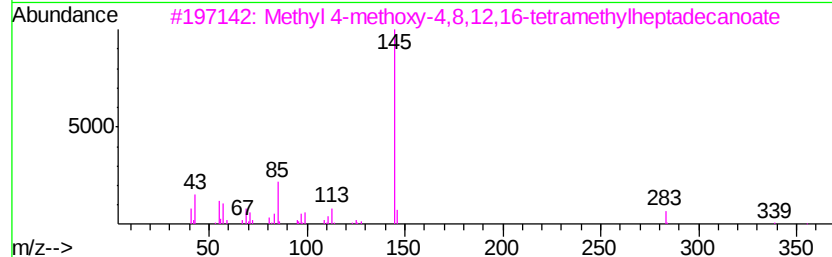
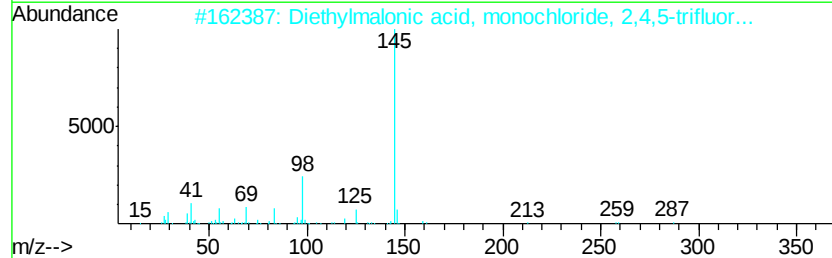
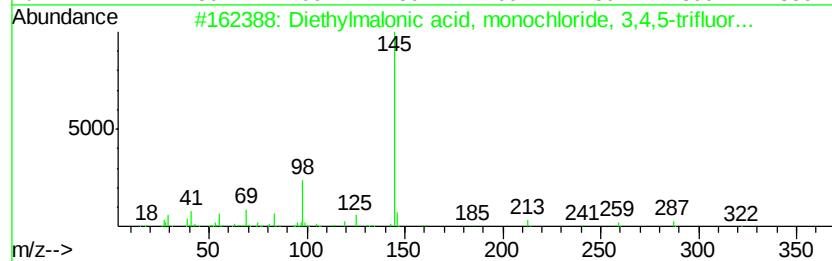
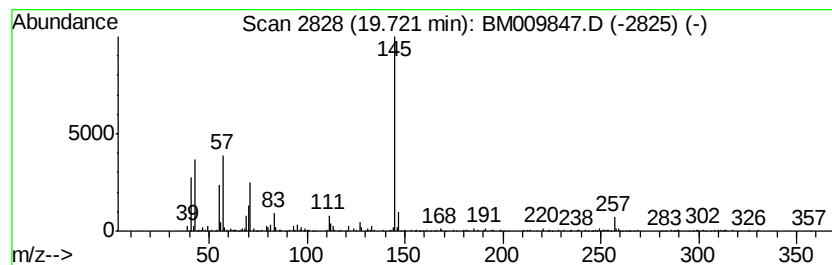
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.60 ng/ul	487431	Chrysene-d12	21.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diethylmalonic acid, monochlorid...	322	C14H14ClF3O3	1000369-27-5	38
2		Diethylmalonic acid, monochlorid...	322	C14H14ClF3O3	1000369-27-1	37
3		Methyl 4-methoxy-4,8,12,16-tetra...	370	C23H46O3	1000110-20-1	28
4		Diethylmalonic acid, di(2,4,5-tr...	448	C21H18F6O4	1000369-27-0	25
5		Hexanoic acid, 2-ethyl-, dodecyl...	312	C20H40O2	056078-38-7	9



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
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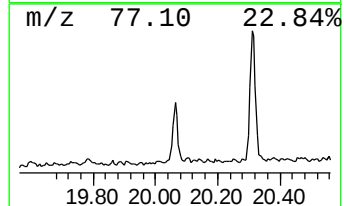
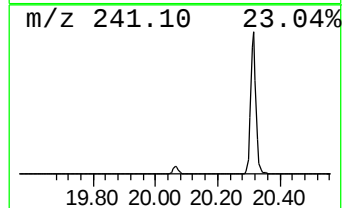
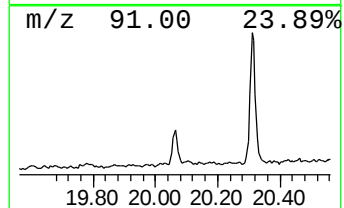
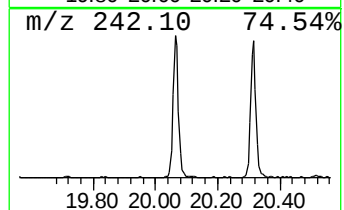
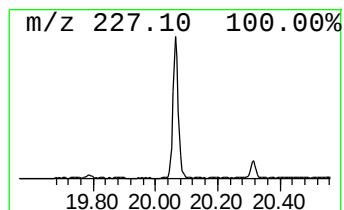
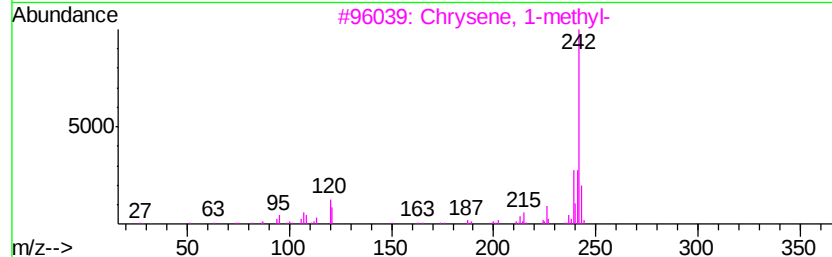
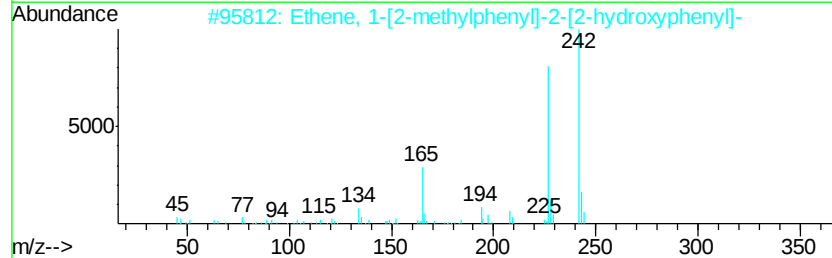
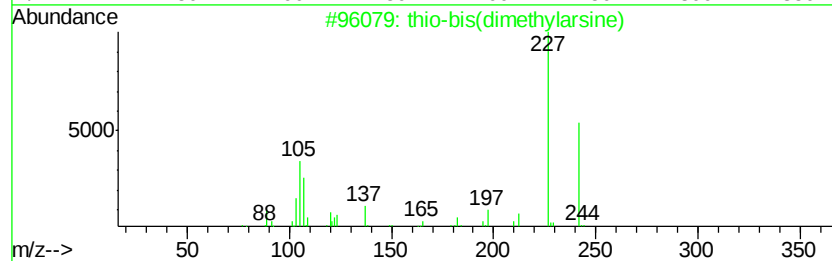
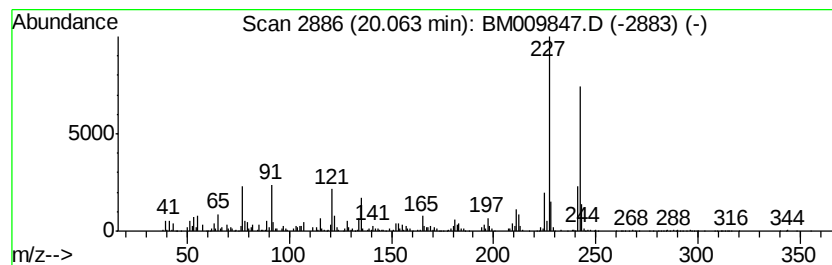
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 thio-bis(dimethylarsine) Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	5.94 ng/ul	1113370	Chrysene-d12	21.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			thio-bis(dimethylarsine)	242	C4H12As2S	1000371-49-4	53
2			Ethene, 1-[2-methylphenyl]-2-[2-...	242	C15H14OS	1000132-66-7	43
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	42
4			Chrysene, 5-methyl-	242	C19H14	003697-24-3	38
5			1,3-Diamino-5,6-dihydro-7-methox...	242	C13H14N4O	037436-49-0	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
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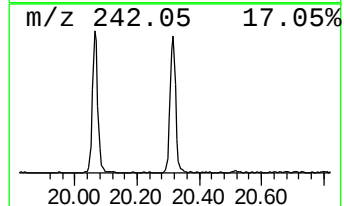
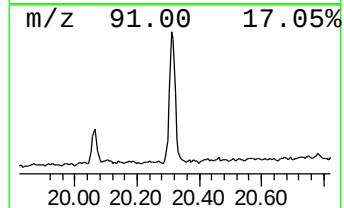
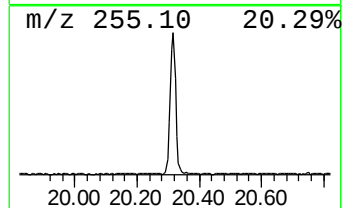
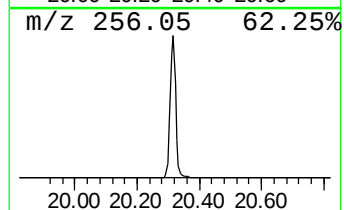
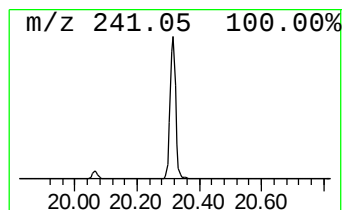
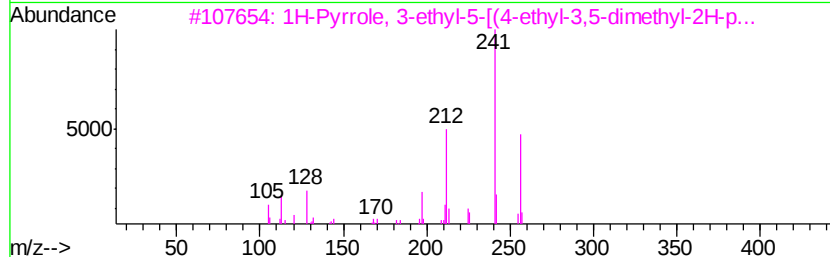
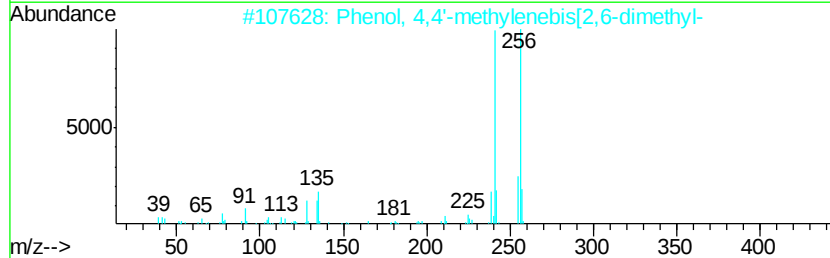
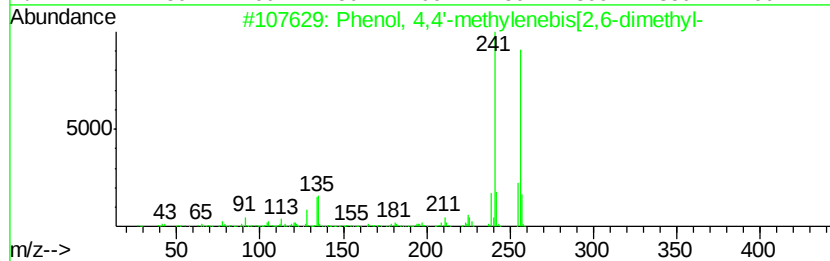
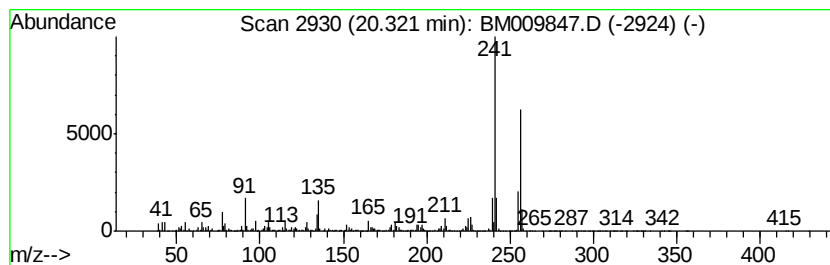
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Phenol, 4,4'-methylenebis[2... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	28.57 ng/ul	5359520	Chrysene-d12	21.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	97
2		Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	97
3		1H-Pyrrole, 3-ethyl-5-[(4-ethyl-...	256	C17H24N2	002407-83-2	59
4		3,5-Dimethyl-1-dimethylphenylsil...	256	C16H20OSi	1000307-90-6	58
5		Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
Data File : BM009847.D
Acq On : 02 May 2017 01:17
Operator : SJ/MA
Sample : I2848-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHT57

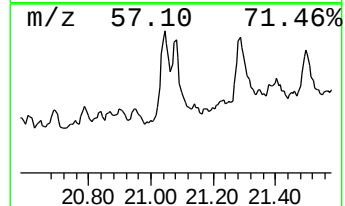
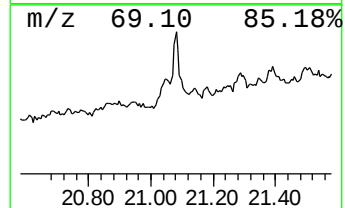
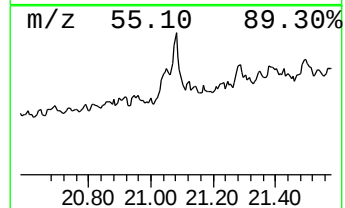
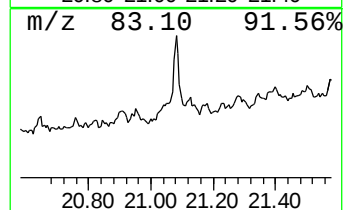
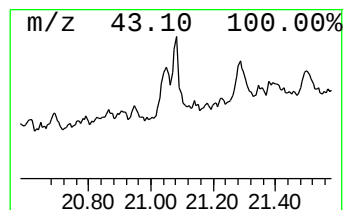
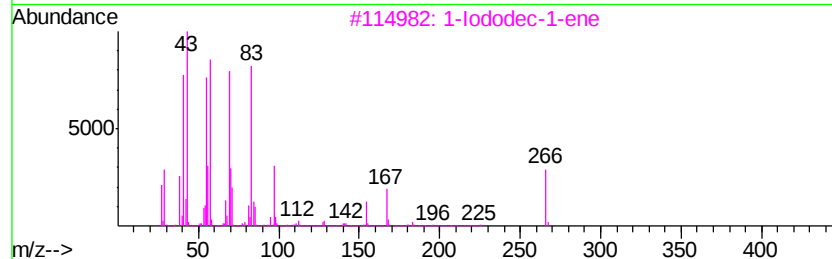
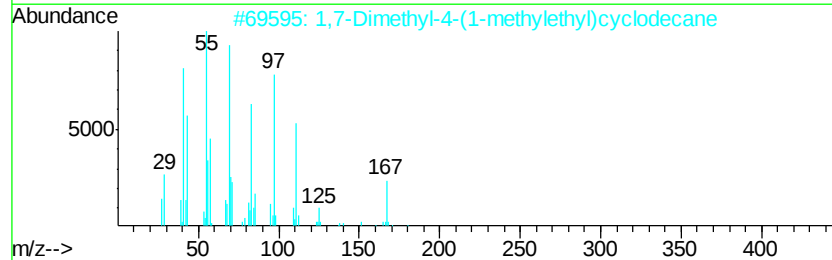
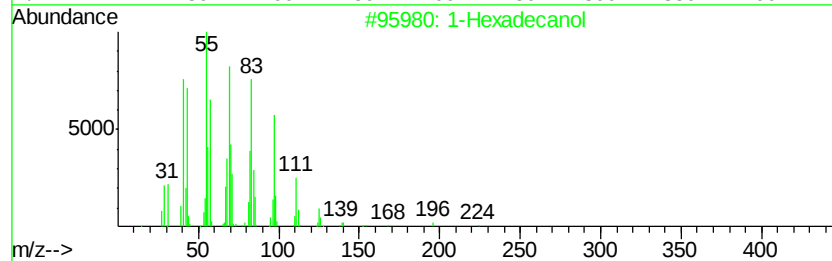
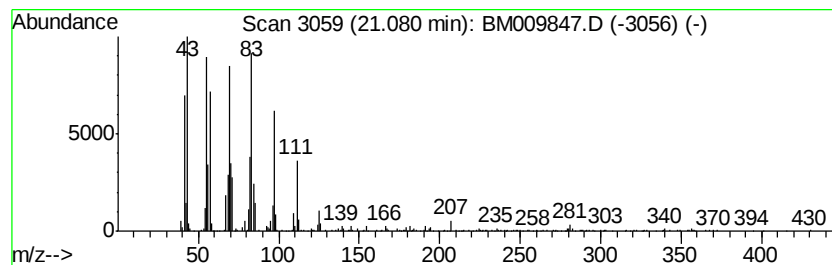
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1-Hexadecanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	8.76 ng/ul	1642910	Chrysene-d12	21.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexadecanol	242	C16H34O	036653-82-4	90
2			1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	64
3			1-Iododec-1-ene	266	C10H19I	1000192-68-7	58
4			Ethanone, 1-(1,2,2,3-tetramethyl...	168	C11H20O	059642-07-8	55
5			3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050117\
 Data File : BM009847.D
 Acq On : 02 May 2017 01:17
 Operator : SJ/MA
 Sample : I2848-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHT57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.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
(DEL) Alkane: Str...	12.96	2.1	ng/ul	166854	3	14.46	1619590	20.0
(DEL) Alkane: Str...	15.69	4.5	ng/ul	367017	3	14.46	1619590	20.0
(DEL) Alkane: Str...	16.16	6.9	ng/ul	737740	4	17.21	2147390	20.0
(DEL) Alkane: Str...	16.99	4.4	ng/ul	473613	4	17.21	2147390	20.0
unknown-01	18.20	4.9	ng/ul	526462	4	17.21	2147390	20.0
unknown-02	18.48	12.9	ng/ul	1381520	4	17.21	2147390	20.0
18-Norabietane	18.67	65.6	ng/ul	7040580	4	17.21	2147390	20.0
(DEL) Alkane: Str...	18.83	3.2	ng/ul	344461	4	17.21	2147390	20.0
(DEL) Alkane: Str...	19.17	2.6	ng/ul	275187	4	17.21	2147390	20.0
unknown-03	19.72	2.6	ng/ul	487431	5	21.40	3751800	20.0
thio-bis(dimethyl...	20.06	5.9	ng/ul	1113370	5	21.40	3751800	20.0
Phenol, 4,4'-meth...	20.32	28.6	ng/ul	5359520	5	21.40	3751800	20.0
1-Hexadecanol	21.08	8.8	ng/ul	1642910	5	21.40	3751800	20.0