

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
 Data File : BM008423.D
 Acq On : 17 Dec 2016 22:01
 Operator : UM/SJ
 Sample : H6067-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G4

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\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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	3.246	106	112	122	rVB2	179133	254423	5.98%	0.598%
2	6.851	719	725	743	rVB2	389042	884456	20.80%	2.078%
3	7.004	746	751	764	rVV	375473	612975	14.42%	1.440%
4	7.199	776	784	793	rBV	487986	830270	19.53%	1.951%
5	7.304	798	802	809	rVB	31587	53503	1.26%	0.126%
6	7.657	856	862	871	rBV	502060	828666	19.49%	1.947%
7	8.375	978	984	1002	rBV	456707	908251	21.36%	2.134%
8	8.822	1053	1060	1071	rBV	426006	811592	19.09%	1.907%
9	9.534	1175	1181	1196	rBV	333164	655709	15.42%	1.541%
10	10.081	1267	1274	1291	rBV	404965	947228	22.28%	2.226%
11	10.434	1322	1334	1339	rBV	651150	1142038	26.86%	2.683%
12	10.481	1339	1342	1349	rVB	73177	127096	2.99%	0.299%
13	10.598	1355	1362	1383	rBV	225929	572977	13.48%	1.346%
14	12.110	1613	1619	1625	rBV	99782	173894	4.09%	0.409%
15	12.328	1646	1656	1663	rBV	61000	119320	2.81%	0.280%
16	13.616	1869	1875	1880	rBV3	41572	77616	1.83%	0.182%
17	13.716	1887	1892	1897	rBV	927856	1302195	30.63%	3.060%
18	13.763	1897	1900	1908	rVB	244819	350891	8.25%	0.824%
19	13.992	1929	1939	1949	rBV	1045002	1678298	39.48%	3.943%
20	14.186	1966	1972	1976	rBV	38033	52789	1.24%	0.124%
21	14.298	1984	1991	1998	rVB	917207	1349149	31.73%	3.170%
22	14.586	2035	2040	2048	rBV3	75047	207992	4.89%	0.489%
23	14.704	2056	2060	2070	rVB2	36245	75591	1.78%	0.178%
24	15.145	2130	2135	2139	rVB2	78127	98882	2.33%	0.232%
25	15.298	2155	2161	2168	rBV	1306153	1914878	45.04%	4.499%
26	15.463	2184	2189	2198	rBV	204147	380022	8.94%	0.893%
27	15.545	2198	2203	2212	rVB9	32470	81892	1.93%	0.192%
28	16.010	2277	2282	2290	rBV4	108501	217640	5.12%	0.511%
29	16.369	2336	2343	2347	rBV9	25395	65164	1.53%	0.153%
30	16.727	2398	2404	2407	rBV2	40489	76633	1.80%	0.180%
31	16.798	2410	2416	2421	rVV2	112880	165537	3.89%	0.389%
32	17.051	2454	2459	2464	rBV2	984571	1458638	34.31%	3.427%
33	17.098	2464	2467	2471	rVV	321250	416097	9.79%	0.978%
34	17.151	2471	2476	2487	rVV	1279225	2016225	47.43%	4.738%

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35	17.539	2538	2542	2546	rBV	121467	136374	3.21%	0.320%
36	17.657	2556	2562	2567	rVB4	73234	154114	3.63%	0.362%
37	17.757	2576	2579	2586	rBV6	24975	62253	1.46%	0.146%
38	17.939	2605	2610	2614	rBV2	128194	253184	5.96%	0.595%
39	17.980	2614	2617	2621	rVB	138158	186428	4.39%	0.438%
40	18.121	2636	2641	2645	rBV2	137319	235965	5.55%	0.554%
41	18.163	2645	2648	2655	rVB3	64058	120078	2.82%	0.282%
42	18.233	2655	2660	2663	rBV	170687	230761	5.43%	0.542%
43	18.333	2674	2677	2681	rBV6	33032	46214	1.09%	0.109%
44	18.439	2692	2695	2700	rVB3	67765	111156	2.61%	0.261%
45	18.498	2701	2705	2711	rVB4	50967	95639	2.25%	0.225%
46	18.657	2728	2732	2733	rBV4	44358	57010	1.34%	0.134%
47	18.733	2742	2745	2749	rVB2	50257	55703	1.31%	0.131%
48	18.868	2761	2768	2772	rBV2	258371	466015	10.96%	1.095%
49	18.951	2779	2782	2785	rVB2	63906	82042	1.93%	0.193%
50	19.121	2806	2811	2817	rBV	603772	829788	19.52%	1.950%
51	19.457	2863	2868	2871	rBV	1960829	2806391	66.01%	6.594%
52	19.486	2871	2873	2881	rVV	695700	831492	19.56%	1.954%
53	19.562	2883	2886	2891	rVB2	120119	175457	4.13%	0.412%
54	19.986	2955	2958	2962	rVB2	429876	498995	11.74%	1.172%
55	20.280	3005	3008	3013	rBV	149143	213354	5.02%	0.501%
56	20.486	3040	3043	3049	rVB	308400	363984	8.56%	0.855%
57	20.951	3119	3122	3125	rBV	378307	376864	8.86%	0.886%
58	21.156	3153	3157	3162	rBV	4012734	4251375	100.00%	9.989%
59	21.251	3167	3173	3177	rVV2	1526399	2657020	62.50%	6.243%
60	21.292	3177	3180	3186	rVB	503438	641395	15.09%	1.507%
61	22.821	3435	3440	3445	rBV	653925	1297459	30.52%	3.049%
62	23.292	3516	3520	3523	rBV	362220	618682	14.55%	1.454%
63	23.339	3524	3528	3534	rVV2	1222151	2106247	49.54%	4.949%
64	23.480	3547	3552	3558	rBV	948660	1688776	39.72%	3.968%

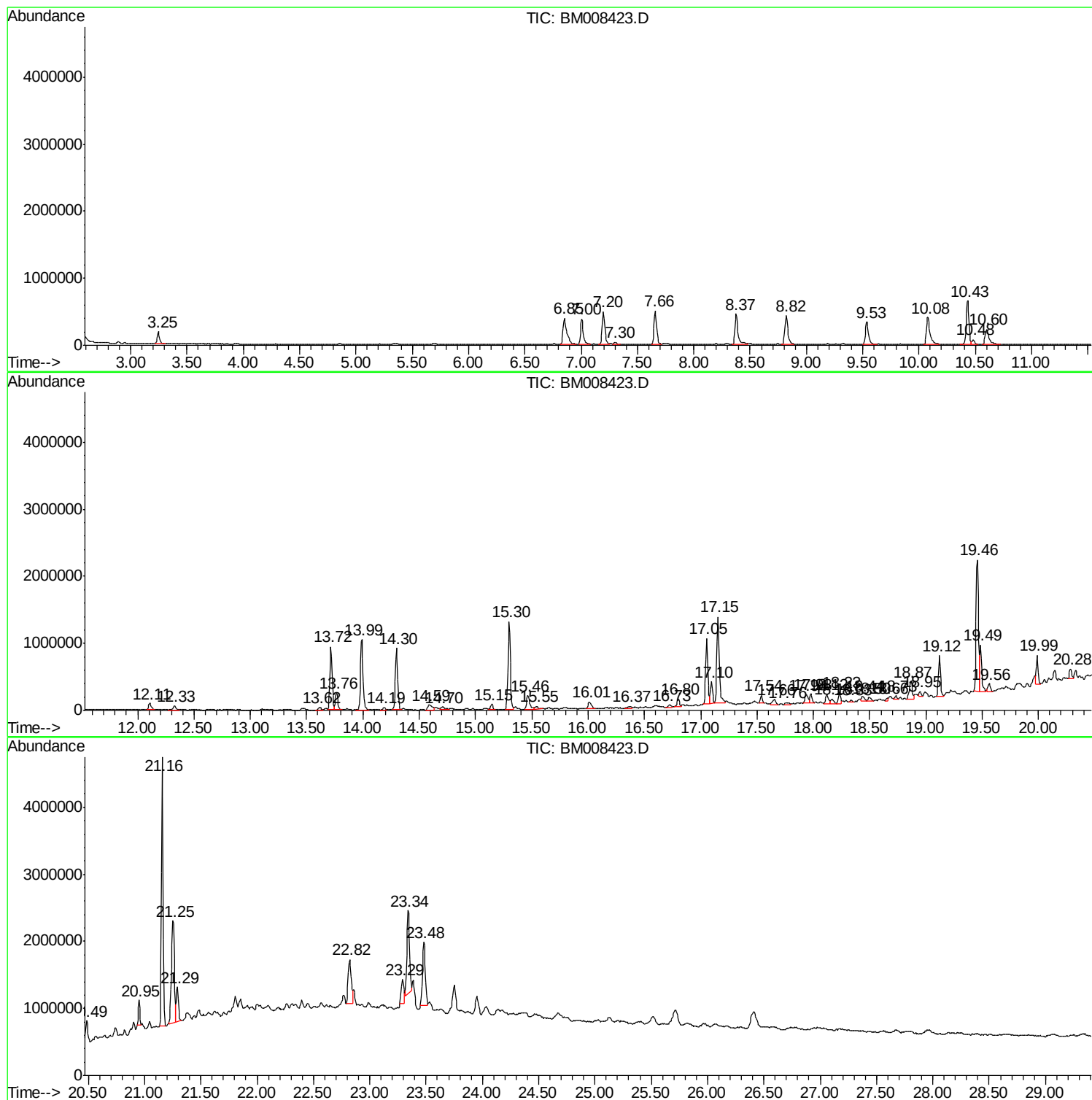
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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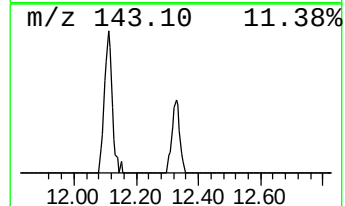
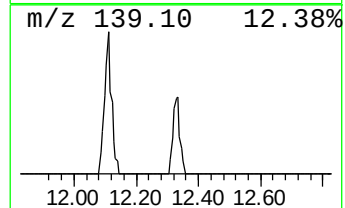
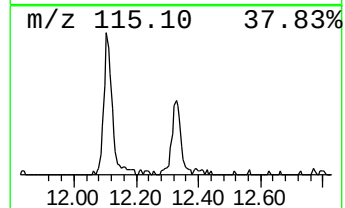
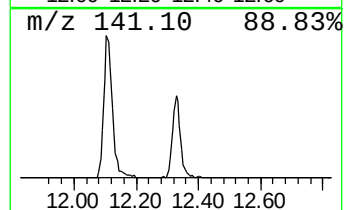
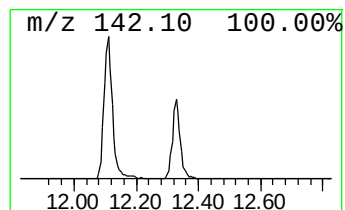
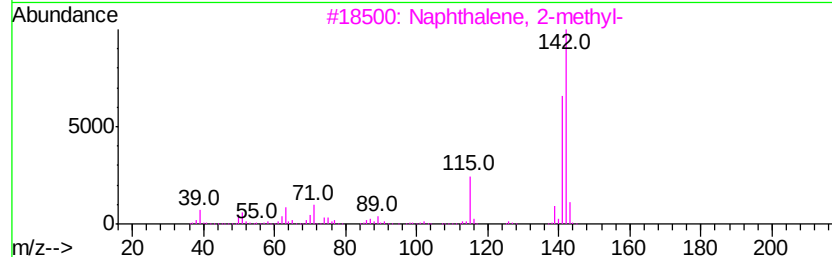
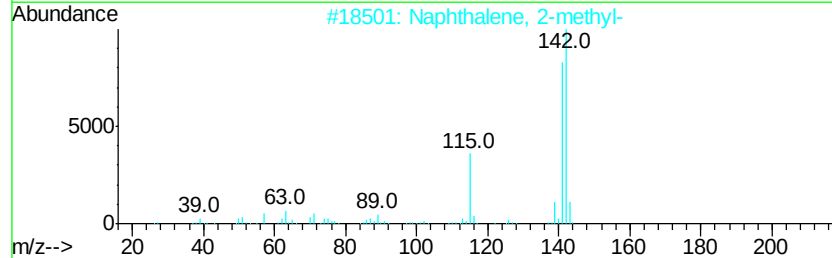
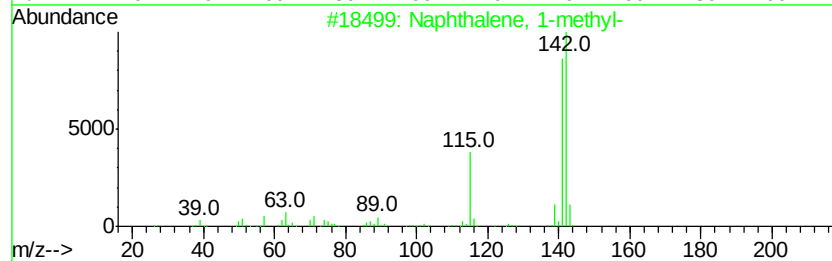
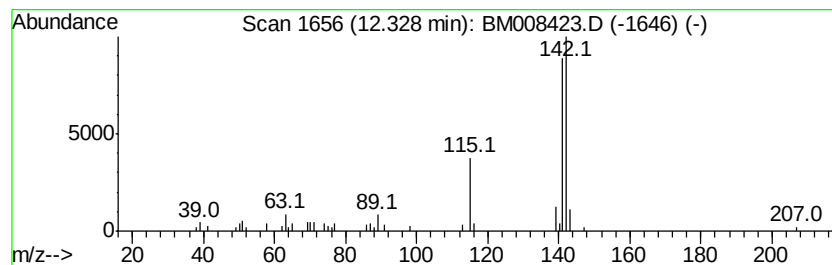
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.09 ng/ul	119320	Naphthalene-d8	10.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



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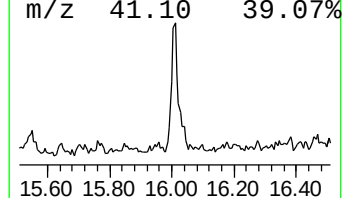
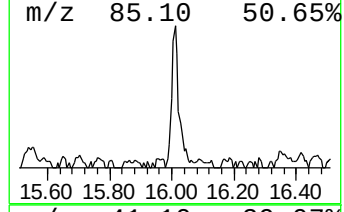
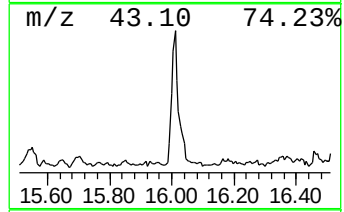
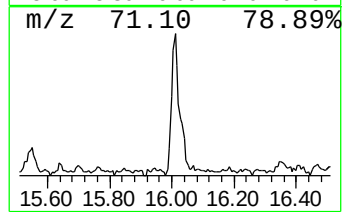
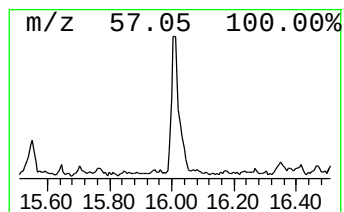
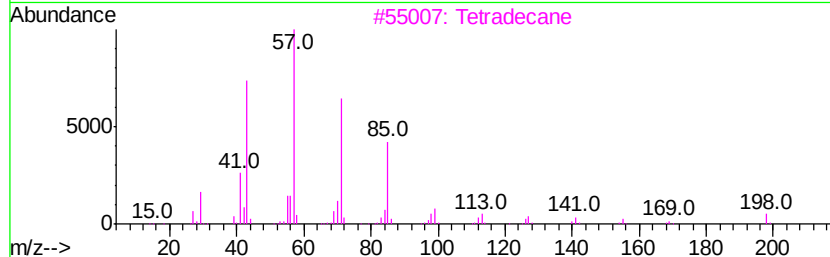
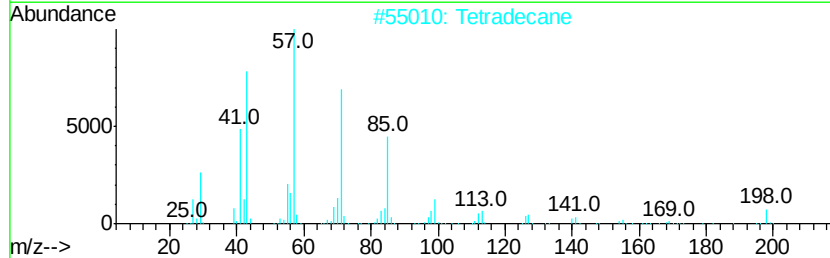
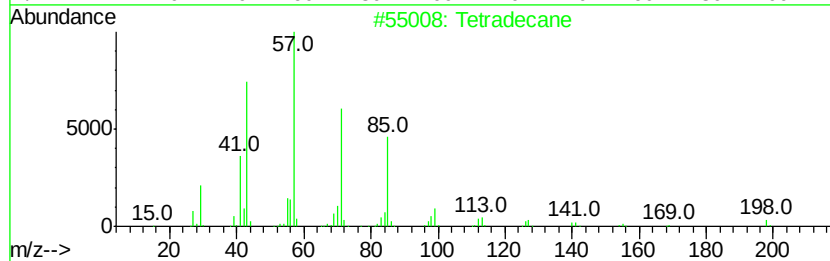
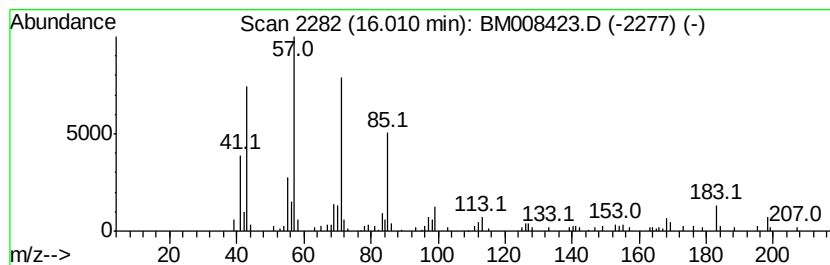
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.98 ng/ul	217640	Phenanthrene-d10	17.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	93
2		Tetradecane	198	C14H30	000629-59-4	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Pentadecane	212	C15H32	000629-62-9	83
5		Octacosane	394	C28H58	000630-02-4	83



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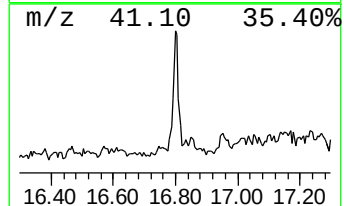
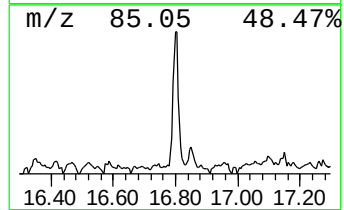
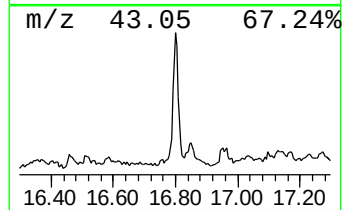
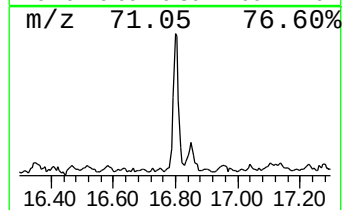
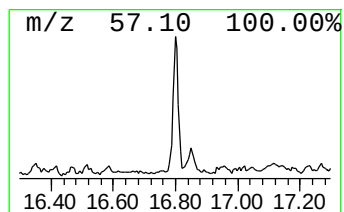
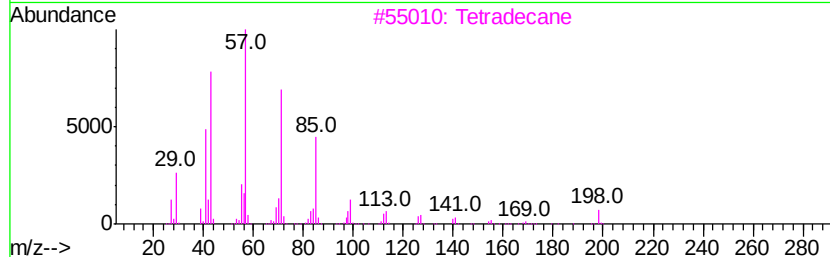
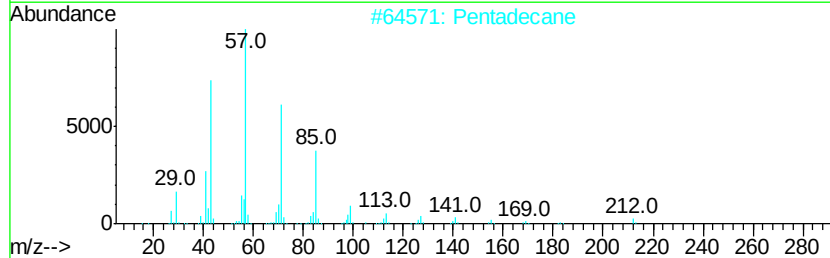
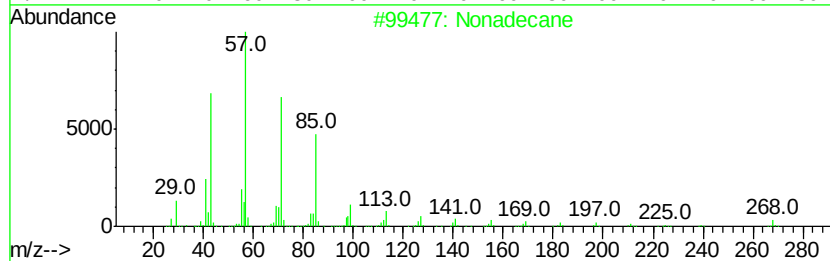
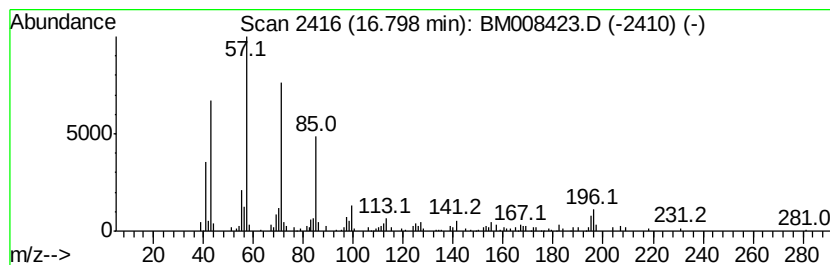
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.27 ng/ul	165537	Phenanthrene-d10	17.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	83
2		Pentadecane	212	C15H32	000629-62-9	83
3		Tetradecane	198	C14H30	000629-59-4	83
4		Hexadecane	226	C16H34	000544-76-3	83
5		Tetradecane	198	C14H30	000629-59-4	83



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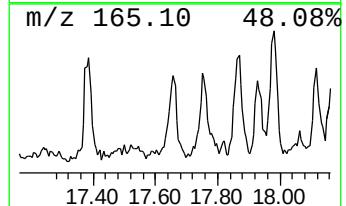
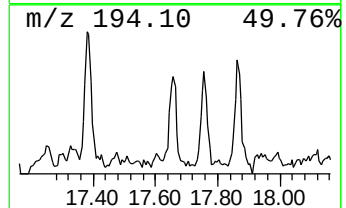
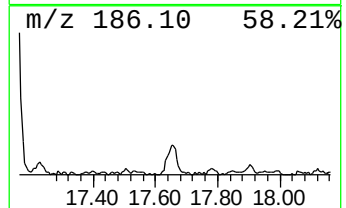
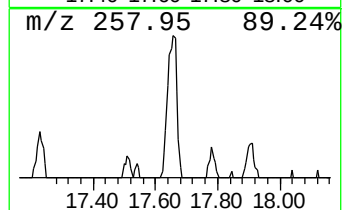
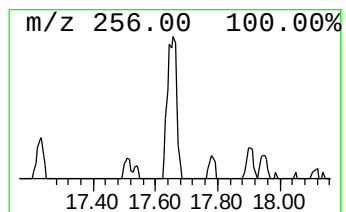
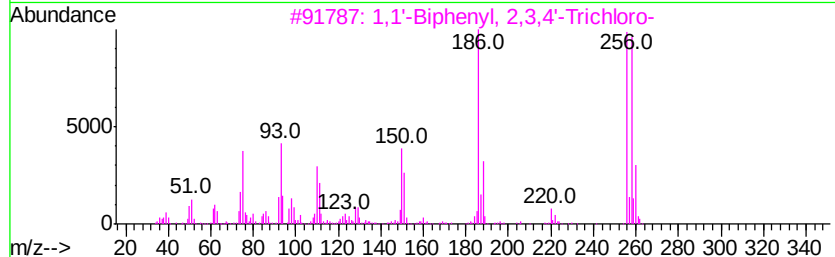
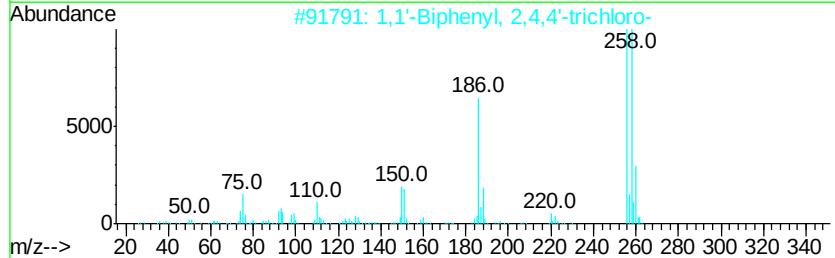
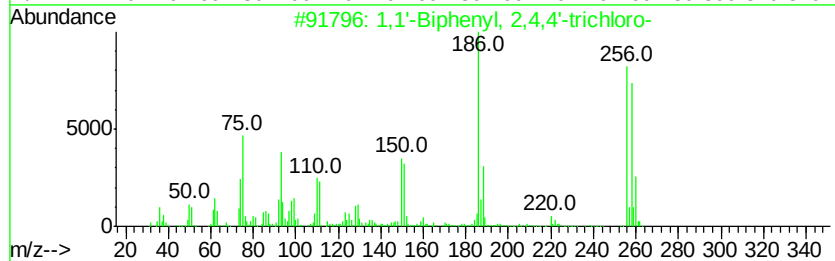
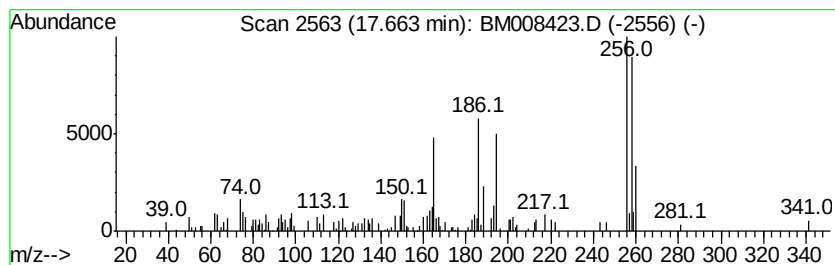
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.11 ng/ul	154114	Phenanthrene-d10	17.05
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256 C12H7Cl3	007012-37-5	93
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256 C12H7Cl3	007012-37-5	93
3	1,1'-Biphenyl, 2,3,4'-Trichloro-	256 C12H7Cl3	038444-85-8	93
4	1,1'-Biphenyl, 2,4',5-trichloro-	256 C12H7Cl3	016606-02-3	93
5	1,1'-Biphenyl, 2,4,6-trichloro-	256 C12H7Cl3	035693-92-6	93



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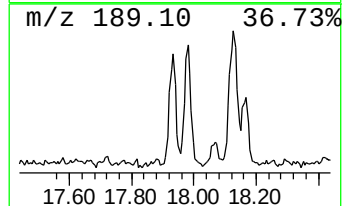
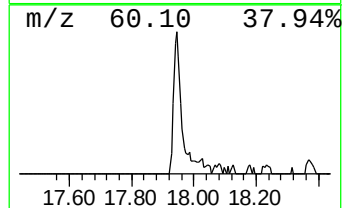
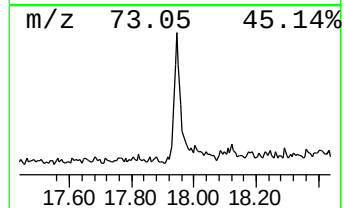
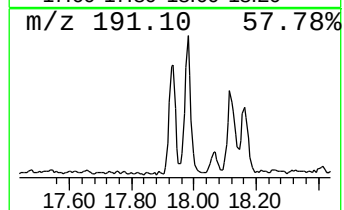
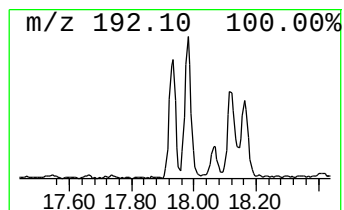
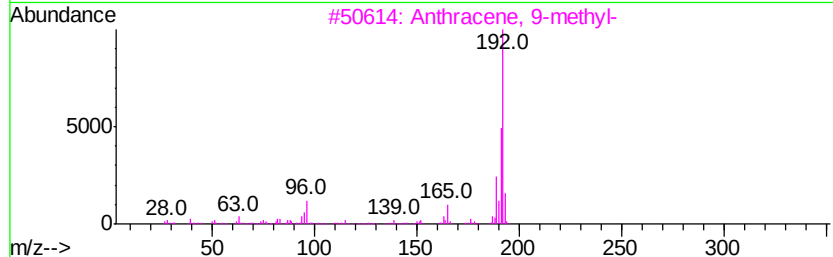
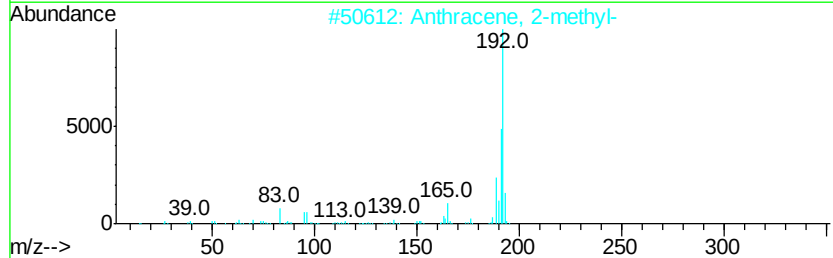
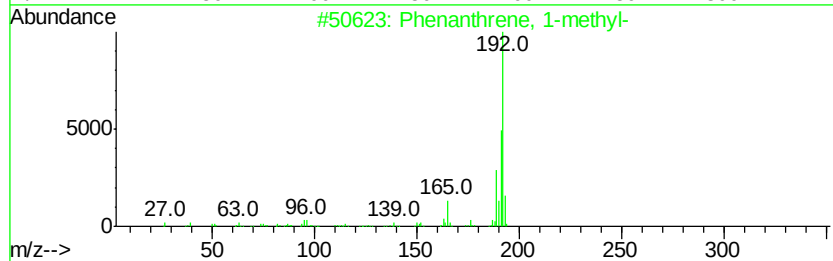
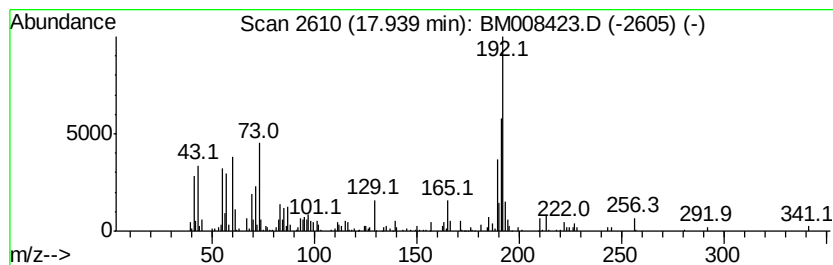
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.47 ng/ul	253184	Phenanthrene-d10	17.05

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	76
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008423.D
Acq On : 17 Dec 2016 22:01
Operator : UM/SJ
Sample : H6067-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

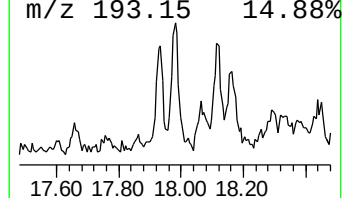
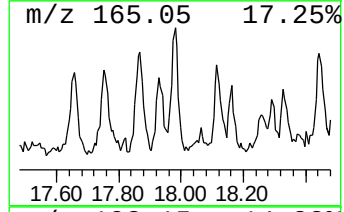
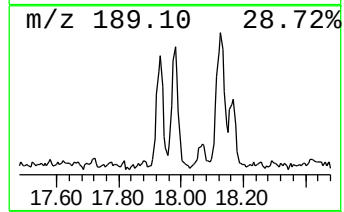
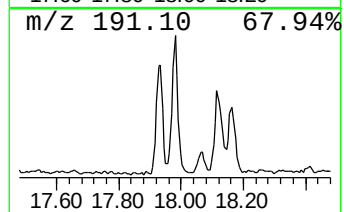
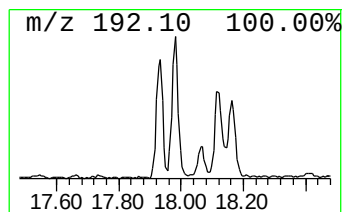
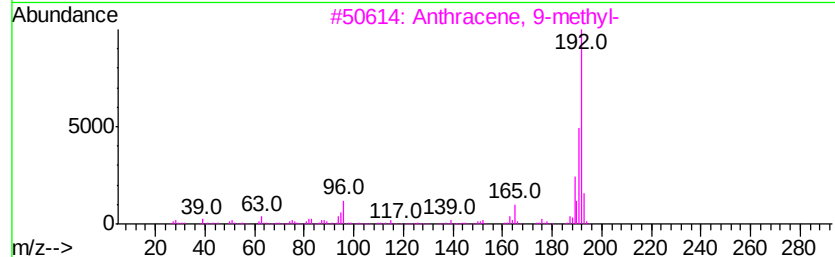
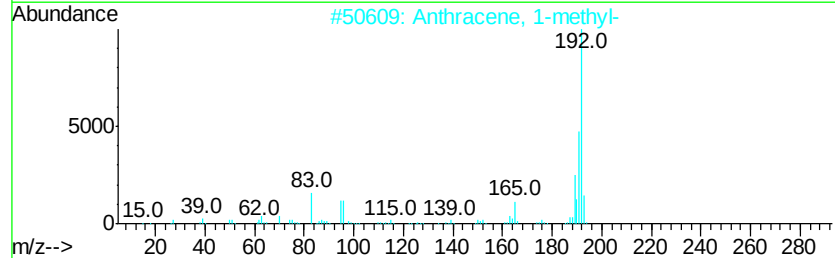
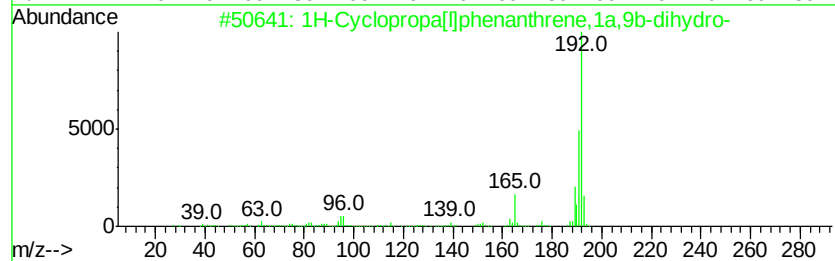
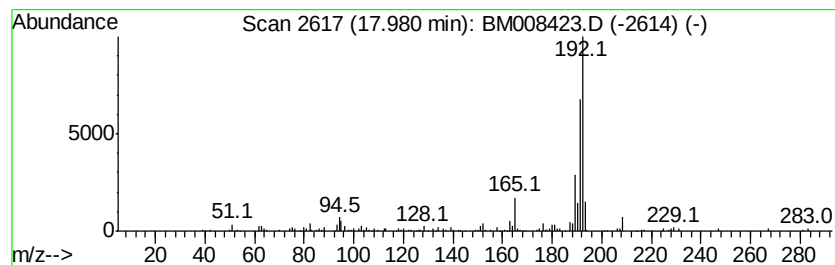
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.98	2.56 ng/ul	186428	Phenanthrene-d10	17.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[ll]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
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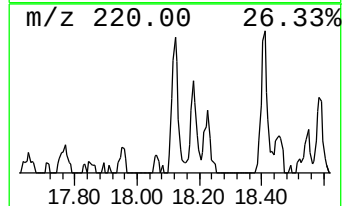
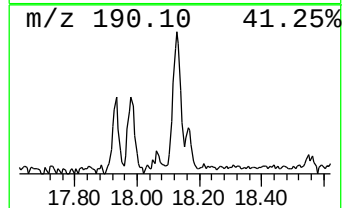
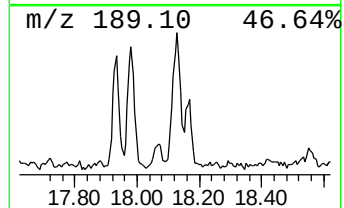
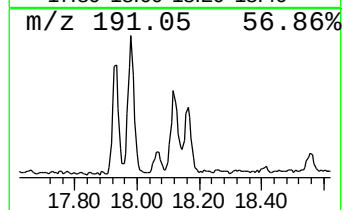
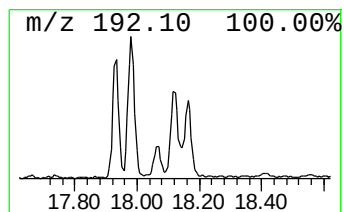
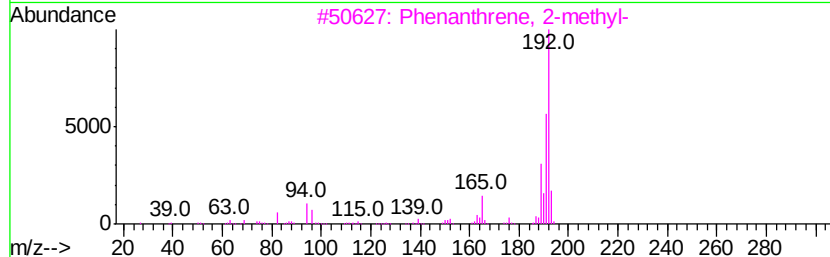
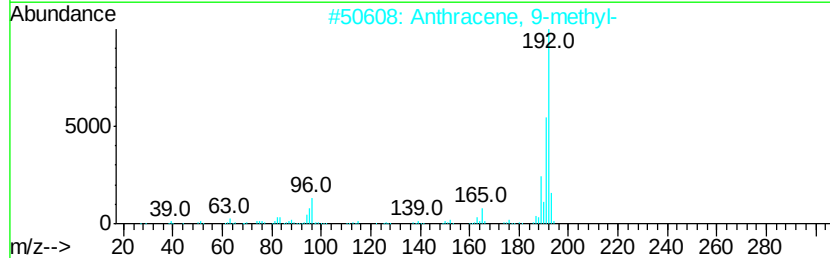
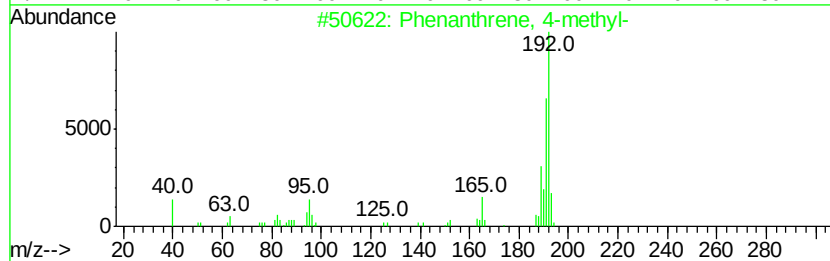
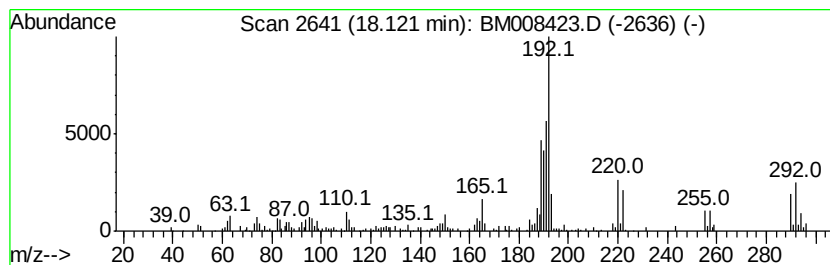
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.24 ng/ul	235965	Phenanthrene-d10	17.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	46
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008423.D
Acq On : 17 Dec 2016 22:01
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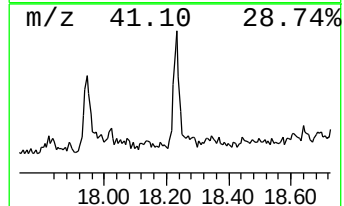
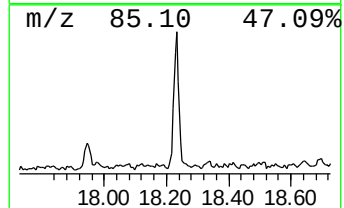
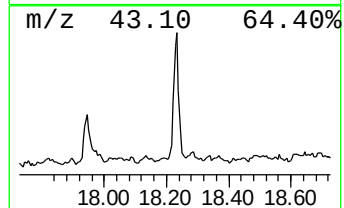
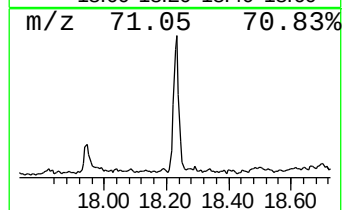
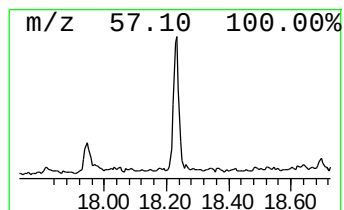
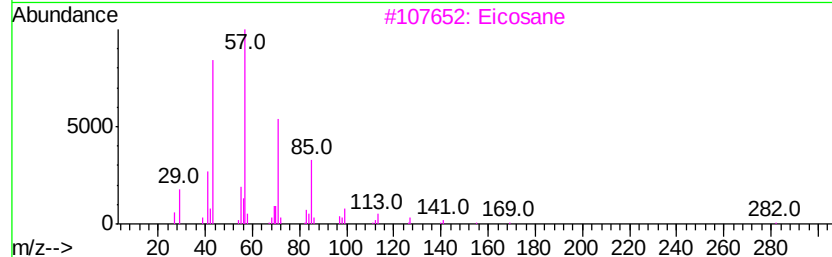
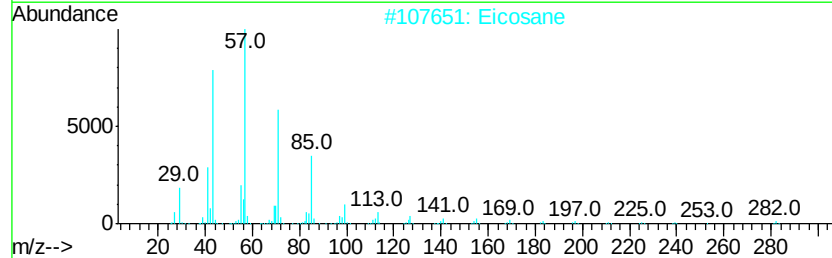
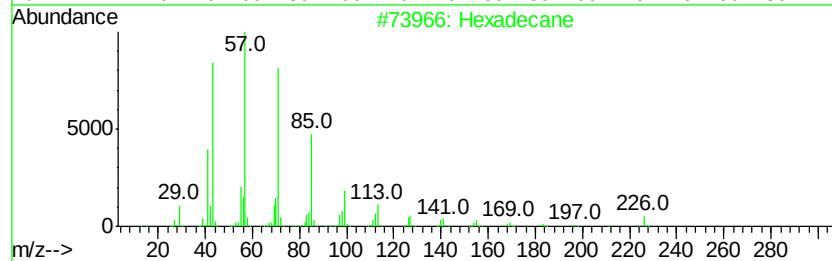
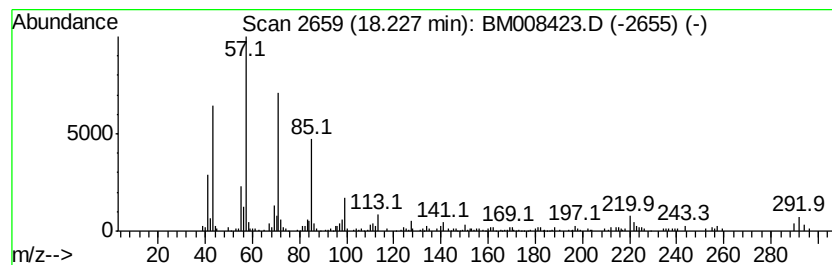
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.16 ng/ul	230761	Phenanthrene-d10	17.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Eicosane	282	C20H42	000112-95-8	90
3		Eicosane	282	C20H42	000112-95-8	90
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
5		Tetradecane	198	C14H30	000629-59-4	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
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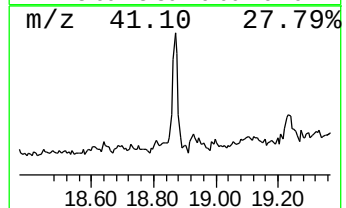
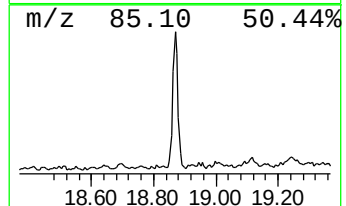
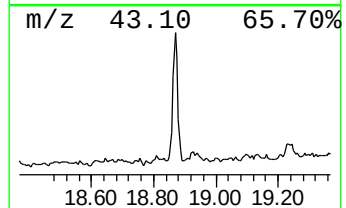
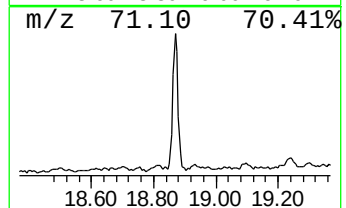
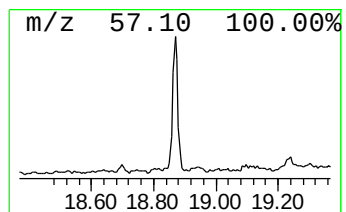
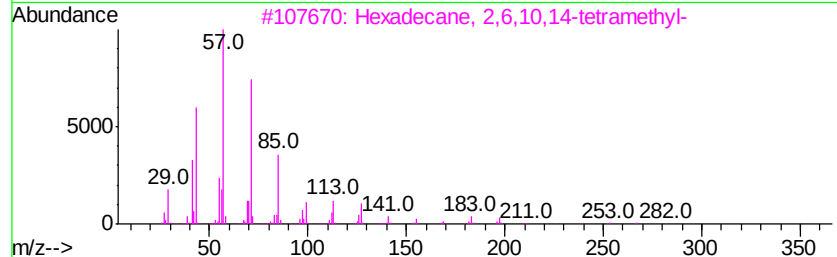
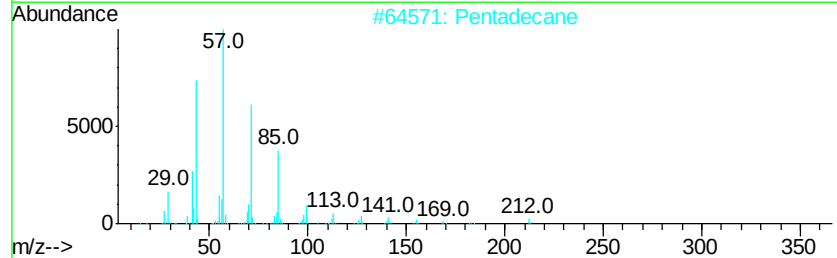
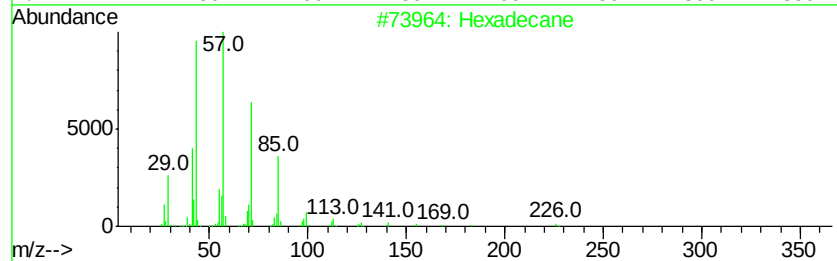
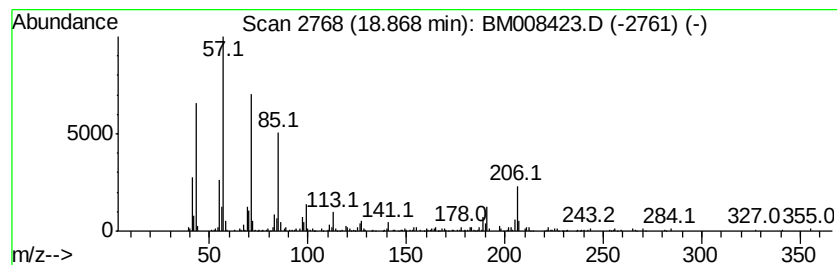
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.87	6.39 ng/ul	466015	Phenanthrene-d10	17.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Pentadecane	212	C15H32	000629-62-9	91
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	76
5	Hexadecane	226	C16H34	000544-76-3	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008423.D
Acq On : 17 Dec 2016 22:01
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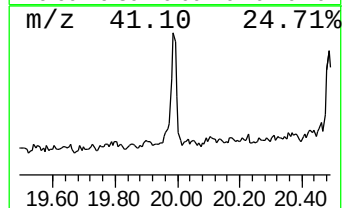
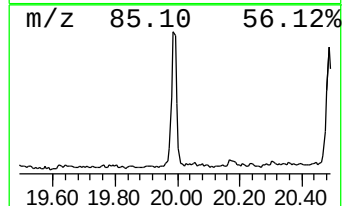
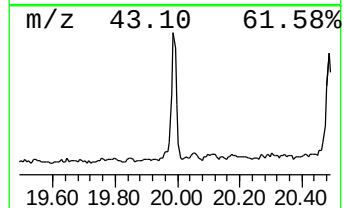
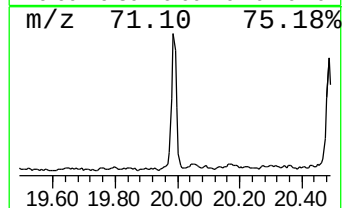
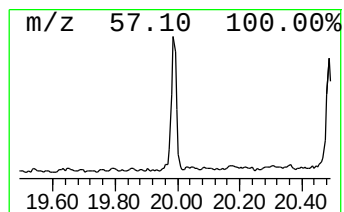
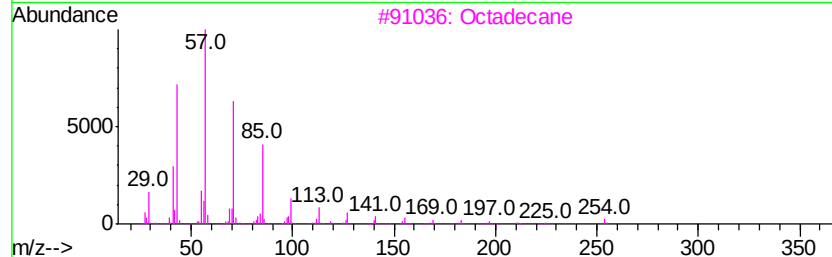
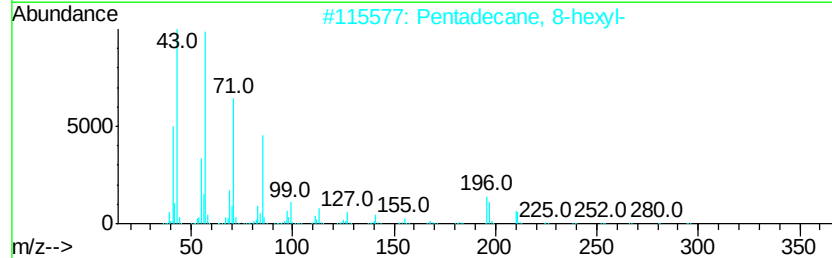
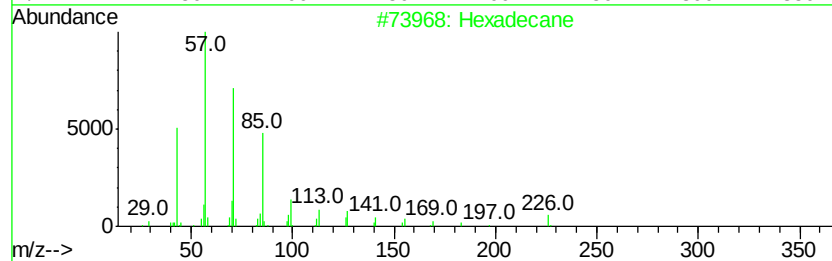
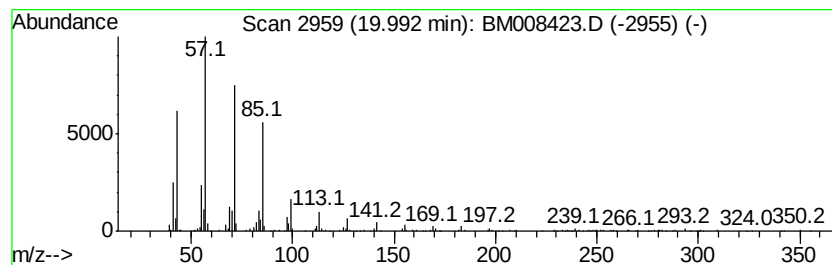
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.76 ng/ul	498995	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	94
2			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3			Octadecane	254	C18H38	000593-45-3	91
4			Heptadecane	240	C17H36	000629-78-7	91
5			Tridecane, 6-propyl-	226	C16H34	055045-10-8	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
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Acq On : 17 Dec 2016 22:01
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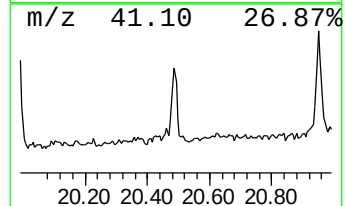
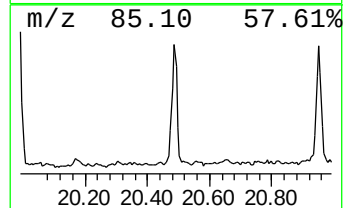
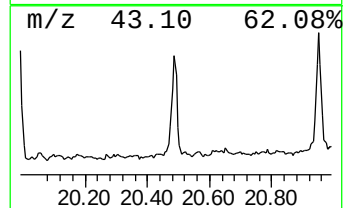
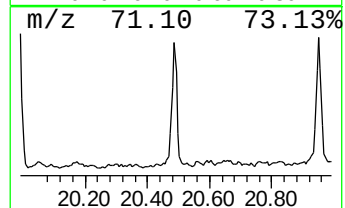
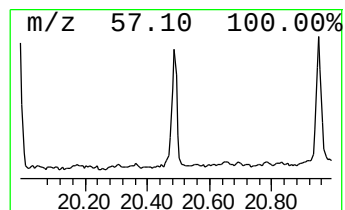
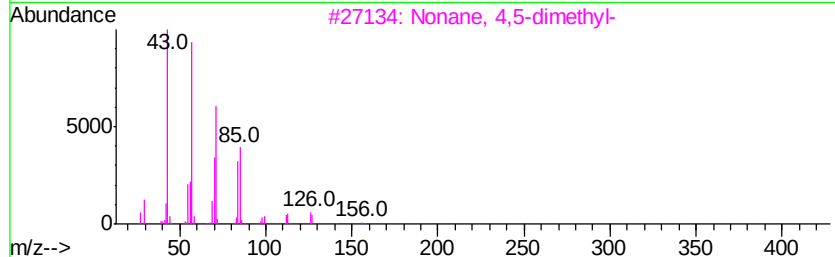
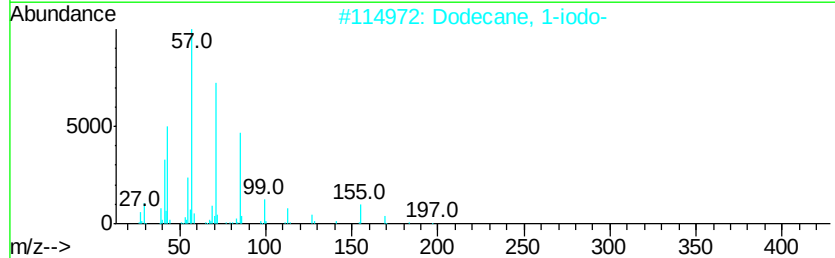
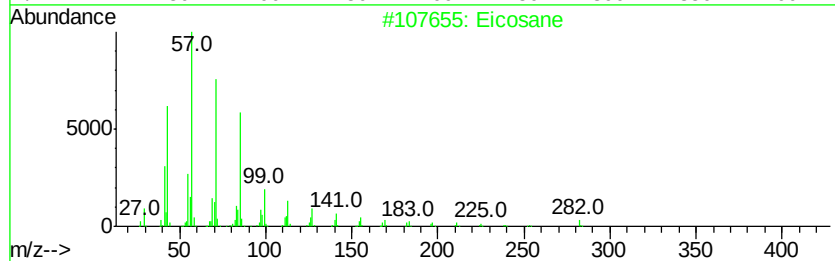
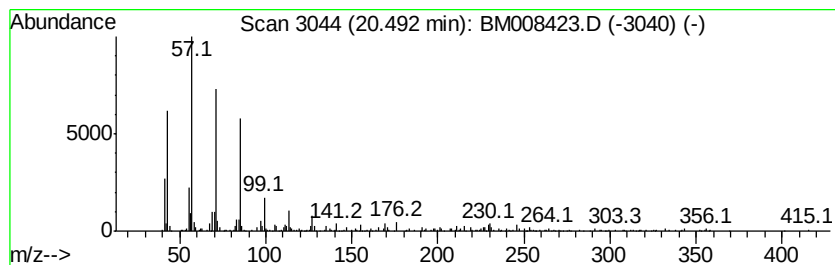
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.74 ng/ul	363984	Chrysene-d12	21.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane	282 C20H42	000112-95-8	95
2	Dodecane, 1-iodo-	296 C12H25I	004292-19-7	87
3	Nonane, 4,5-dimethyl-	156 C11H24	017302-23-7	86
4	Hexadecane, 7-methyl-	240 C17H36	026730-20-1	76
5	Heptacosane	380 C27H56	000593-49-7	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
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Operator : UM/SJ
Sample : H6067-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G4

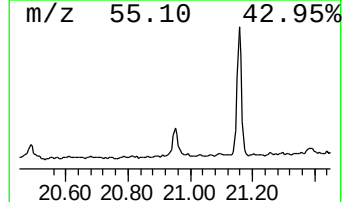
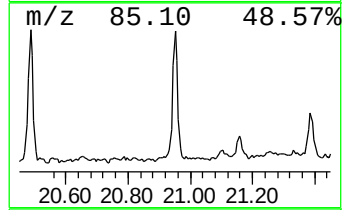
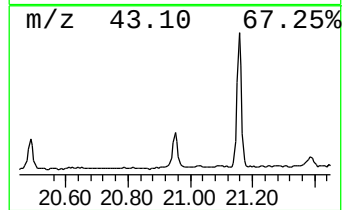
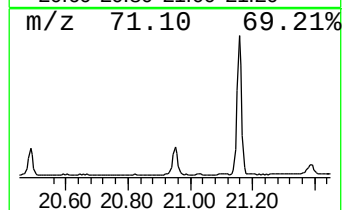
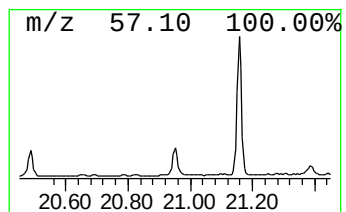
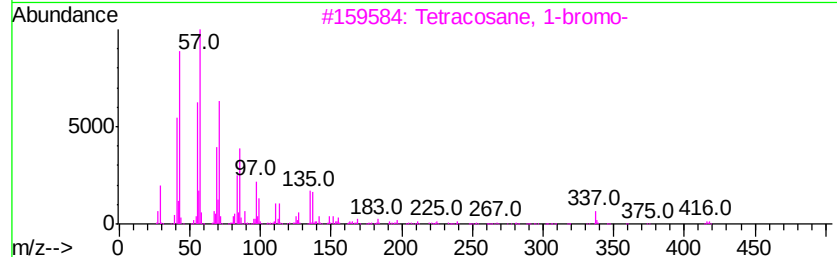
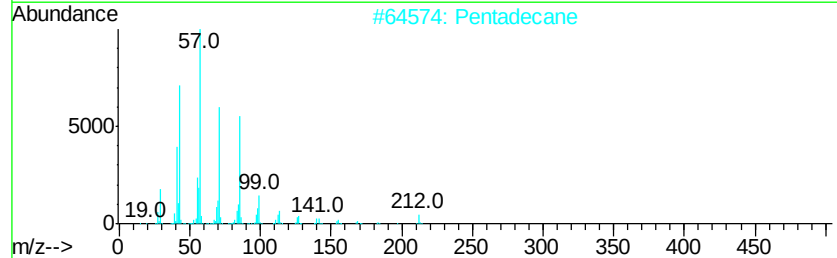
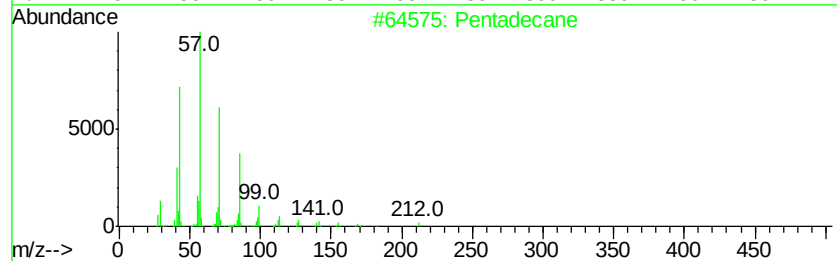
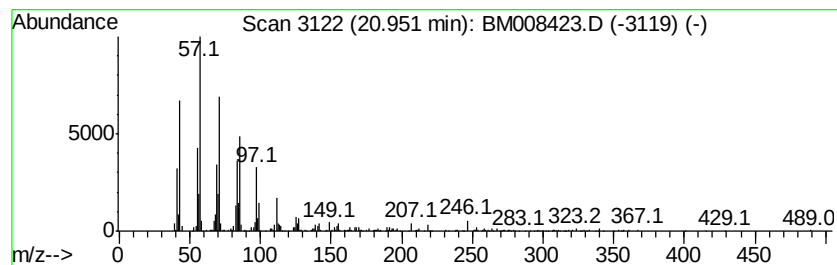
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	2.84 ng/ul	376864	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	83
2			Pentadecane	212	C15H32	000629-62-9	76
3			Tetracosane, 1-bromo-	416	C24H49Br	006946-24-3	72
4			Nonadecane	268	C19H40	000629-92-5	64
5			Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121816\
Data File : BM008423.D
Acq On : 17 Dec 2016 22:01
Operator : UM/SJ
Sample : H6067-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7G4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-me...	12.33	2.1	ng/ul	119320	2	10.43	1142040	20.0
(DEL) Alkane: Str...	16.01	3.0	ng/ul	217640	4	17.05	1458640	20.0
(DEL) Alkane: Str...	16.80	2.3	ng/ul	165537	4	17.05	1458640	20.0
1,1'-Biphenyl, 2,...	17.66	2.1	ng/ul	154114	4	17.05	1458640	20.0
Phenanthrene, 1-m...	17.94	3.5	ng/ul	253184	4	17.05	1458640	20.0
1H-Cyclopropa[l]p...	17.98	2.6	ng/ul	186428	4	17.05	1458640	20.0
Phenanthrene, 4-m...	18.12	3.2	ng/ul	235965	4	17.05	1458640	20.0
(DEL) Alkane: Str...	18.23	3.2	ng/ul	230761	4	17.05	1458640	20.0
(DEL) Alkane: Str...	18.87	6.4	ng/ul	466015	4	17.05	1458640	20.0
(DEL) Alkane: Str...	19.99	3.8	ng/ul	498995	5	21.26	2657020	20.0
(DEL) Alkane: Str...	20.49	2.7	ng/ul	363984	5	21.26	2657020	20.0
(DEL) Alkane: Str...	20.95	2.8	ng/ul	376864	5	21.26	2657020	20.0