

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
 Data File : BG028476.D
 Acq On : 25 Aug 2017 1:24
 Operator : SJ/JU
 Sample : I4840-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AN3

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	3.816	36	39	45	rBV4	7592	11896	0.75%	0.071%
2	4.087	80	85	94	rBV6	4377	9661	0.61%	0.058%
3	4.322	120	125	133	rVB	14670	22111	1.39%	0.133%
4	4.445	142	146	152	rBV6	3343	6347	0.40%	0.038%
5	5.085	251	255	261	rVB5	4615	8909	0.56%	0.054%
6	5.438	311	315	319	rVB3	5321	6825	0.43%	0.041%
7	5.990	402	409	411	rBV4	4176	6407	0.40%	0.038%
8	6.343	463	469	475	rVB5	4224	8631	0.54%	0.052%
9	7.489	655	664	679	rVV3	132164	283374	17.79%	1.702%
10	7.653	685	692	699	rBV	91855	161285	10.12%	0.969%
11	7.870	720	729	736	rBV2	125994	226977	14.25%	1.364%
12	7.970	743	746	754	rVB3	4293	9266	0.58%	0.056%
13	8.335	802	808	818	rVB	151354	269921	16.94%	1.622%
14	9.034	919	927	941	rVB	119526	236585	14.85%	1.421%
15	9.169	945	950	955	rBV5	4917	8167	0.51%	0.049%
16	9.504	1000	1007	1017	rBV2	127576	255266	16.02%	1.534%
17	10.232	1120	1131	1142	rBV3	112739	225284	14.14%	1.353%
18	10.444	1162	1167	1172	rBV4	4369	8835	0.55%	0.053%
19	10.773	1214	1223	1233	rBV	167459	321531	20.18%	1.932%
20	11.078	1270	1275	1281	rBV7	3605	6882	0.43%	0.041%
21	11.155	1281	1288	1302	rVB	232659	443426	27.83%	2.664%
22	11.290	1302	1311	1328	rBV3	80264	183726	11.53%	1.104%
23	12.518	1516	1520	1525	rVV3	4004	7314	0.46%	0.044%
24	12.600	1531	1534	1540	rVB4	5344	6907	0.43%	0.041%
25	12.724	1549	1555	1560	rBV8	4175	10318	0.65%	0.062%
26	12.788	1560	1566	1575	rVV6	7312	15377	0.97%	0.092%
27	13.000	1598	1602	1609	rVB5	5843	11196	0.70%	0.067%
28	13.205	1629	1637	1646	rBV8	10557	25172	1.58%	0.151%
29	13.299	1651	1653	1661	rVB5	3922	7862	0.49%	0.047%
30	13.740	1721	1728	1731	rBV3	5122	7950	0.50%	0.048%
31	13.793	1735	1737	1745	rVB7	3871	7870	0.49%	0.047%
32	14.104	1786	1790	1799	rBV8	4364	11262	0.71%	0.068%
33	14.269	1812	1818	1822	rBV5	7899	14375	0.90%	0.086%
34	14.333	1822	1829	1833	rVV	356954	525056	32.96%	3.154%

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35	14.380	1833	1837	1843	rVB	159889	239455	15.03%	1.439%
36	14.445	1845	1848	1853	rVB6	5850	8603	0.54%	0.052%
37	14.498	1853	1857	1862	rBV4	5437	7228	0.45%	0.043%
38	14.574	1865	1870	1875	rBV5	7748	9506	0.60%	0.057%
39	14.639	1875	1881	1889	rVB	360497	587549	36.88%	3.530%
40	14.804	1902	1909	1916	rBV4	9333	16000	1.00%	0.096%
41	14.945	1923	1933	1941	rVV2	385041	654751	41.10%	3.934%
42	15.009	1941	1944	1950	rVB3	14751	23316	1.46%	0.140%
43	15.150	1960	1968	1982	rBV2	92605	223770	14.05%	1.344%
44	15.344	1994	2001	2007	rVB5	20747	48841	3.07%	0.293%
45	15.409	2007	2012	2015	rBV6	6122	11501	0.72%	0.069%
46	15.450	2016	2019	2022	rVB3	6654	8532	0.54%	0.051%
47	15.550	2033	2036	2040	rBV4	5361	8701	0.55%	0.052%
48	15.608	2043	2046	2050	rVB4	4974	6638	0.42%	0.040%
49	15.744	2059	2069	2075	rVB5	19220	39481	2.48%	0.237%
50	15.937	2093	2102	2108	rBV	478340	769815	48.32%	4.625%
51	15.984	2108	2110	2116	rVB4	13016	19308	1.21%	0.116%
52	16.055	2116	2122	2129	rBV	155284	246912	15.50%	1.483%
53	16.143	2135	2137	2150	rVB7	9591	30408	1.91%	0.183%
54	16.284	2157	2161	2167	rVB6	7836	15132	0.95%	0.091%
55	16.425	2182	2185	2191	rVB6	7579	13180	0.83%	0.079%
56	16.607	2211	2216	2232	rBV2	21171	58481	3.67%	0.351%
57	16.801	2244	2249	2251	rBV5	5611	8828	0.55%	0.053%
58	16.972	2271	2278	2287	rBV3	46939	92414	5.80%	0.555%
59	17.054	2289	2292	2298	rVB7	6540	12537	0.79%	0.075%
60	17.212	2313	2319	2323	rBV9	11537	20749	1.30%	0.125%
61	17.265	2324	2328	2336	rVB8	17097	36200	2.27%	0.217%
62	17.342	2336	2341	2347	rBV6	20470	45689	2.87%	0.274%
63	17.400	2347	2351	2355	rBV4	20899	30836	1.94%	0.185%
64	17.447	2357	2359	2365	rVB6	9302	14374	0.90%	0.086%
65	17.512	2366	2370	2381	rVB4	13556	24294	1.52%	0.146%
66	17.694	2394	2401	2405	rBV2	512285	814676	51.14%	4.894%
67	17.741	2405	2409	2413	rVV	212457	324041	20.34%	1.947%
68	17.794	2413	2418	2430	rVB2	532224	868832	54.54%	5.220%
69	18.100	2460	2470	2475	rBV3	21388	60478	3.80%	0.363%
70	18.141	2475	2477	2482	rVB4	15528	18744	1.18%	0.113%
71	18.276	2492	2500	2504	rBV10	14200	36007	2.26%	0.216%

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72	18.540	2540	2545	2553	rBV5	108235	247943	15.56%	1.490%
73	18.617	2553	2558	2563	rVB2	66555	118093	7.41%	0.709%
74	18.699	2566	2572	2576	rBV4	15536	30473	1.91%	0.183%
75	18.764	2576	2583	2586	rBV5	42944	96660	6.07%	0.581%
76	19.051	2628	2632	2637	rBV2	32423	55171	3.46%	0.331%
77	19.104	2637	2641	2649	rVB8	32765	64904	4.07%	0.390%
78	19.292	2668	2673	2678	rVB8	15244	30995	1.95%	0.186%
79	19.345	2679	2682	2686	rVB3	19272	22897	1.44%	0.138%
80	19.392	2686	2690	2696	rVB7	19279	31478	1.98%	0.189%
81	19.469	2696	2703	2707	rBV4	41938	94086	5.91%	0.565%
82	19.610	2723	2727	2733	rBV5	22127	45688	2.87%	0.274%
83	19.733	2742	2748	2754	rVB	362906	529809	33.26%	3.183%
84	19.798	2754	2759	2768	rBV6	76838	152814	9.59%	0.918%
85	20.015	2794	2796	2799	rVB2	19842	19980	1.25%	0.120%
86	20.068	2799	2805	2816	rVB2	729093	1593104	100.00%	9.571%
87	20.156	2817	2820	2825	rVB3	31473	46256	2.90%	0.278%
88	20.268	2836	2839	2843	rVB	30555	41725	2.62%	0.251%
89	20.420	2859	2865	2870	rVB6	57376	104462	6.56%	0.628%
90	20.544	2882	2886	2889	rBV5	43663	67563	4.24%	0.406%
91	20.932	2949	2952	2960	rVB4	46554	79757	5.01%	0.479%
92	21.032	2963	2969	2983	rVB6	77139	242421	15.22%	1.456%
93	21.372	3024	3027	3035	rVB	49685	98749	6.20%	0.593%
94	22.024	3129	3138	3143	rBV2	599130	1365634	85.72%	8.204%
95	22.371	3192	3197	3209	rVB3	178536	298486	18.74%	1.793%
96	22.700	3249	3253	3259	rVB2	73895	129945	8.16%	0.781%
97	24.410	3540	3544	3560	rVB2	84210	291736	18.31%	1.753%
98	24.968	3635	3639	3646	rVB9	77937	177456	11.14%	1.066%
99	25.291	3685	3694	3701	rBV	293112	845525	53.07%	5.080%
100	25.532	3726	3735	3744	rVB	299264	893793	56.10%	5.370%

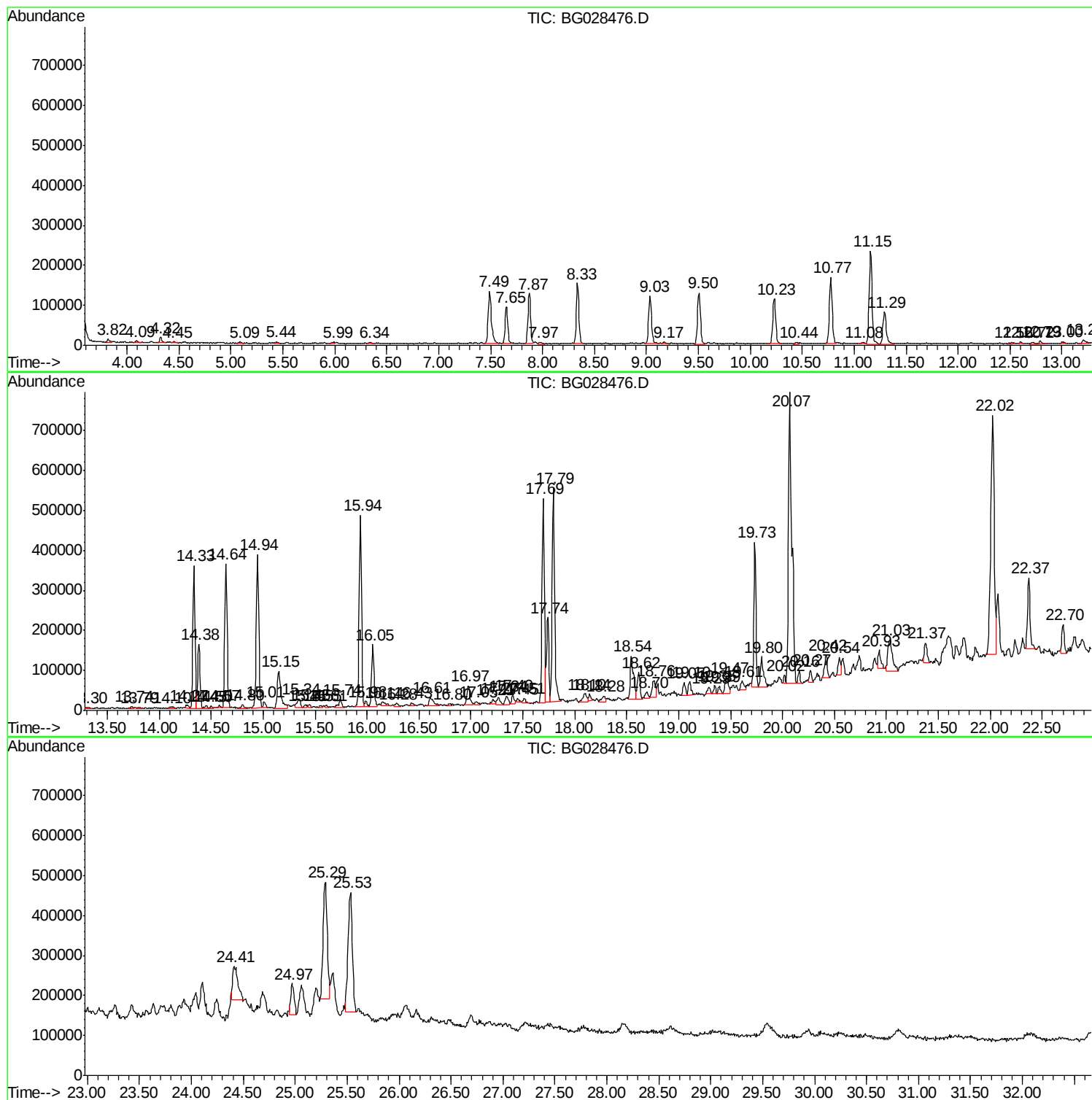
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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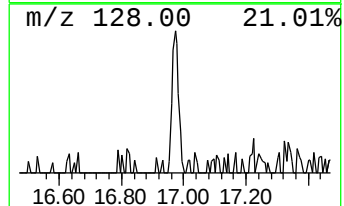
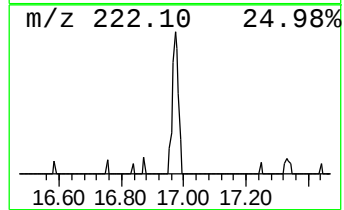
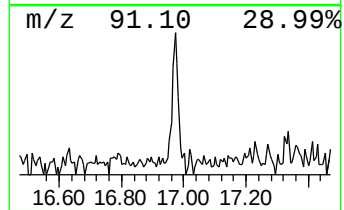
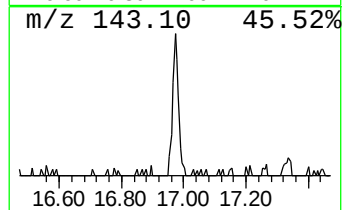
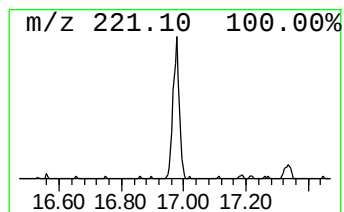
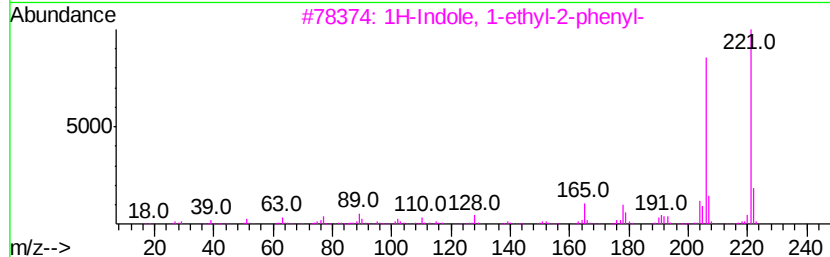
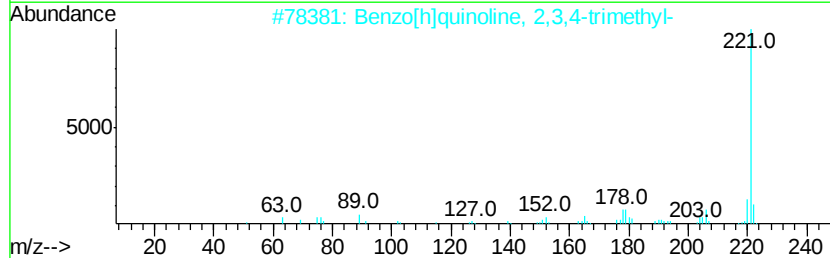
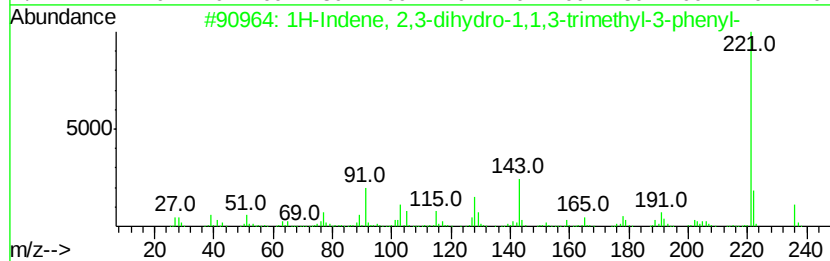
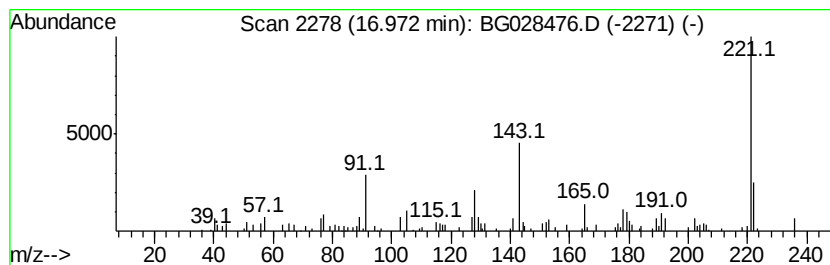
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.27 ng/ul	92414	Phenanthrene-d10	17.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20		003910-35-8	90
2	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N		063042-66-0	55
3	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N		013228-39-2	52
4	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO		1000147-85-5	47
5	9-(Methylaminomethyl)anthracene	221	C16H15N		073356-19-1	38



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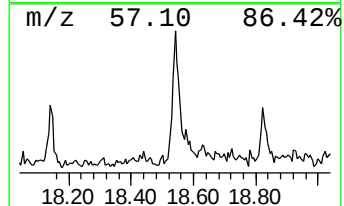
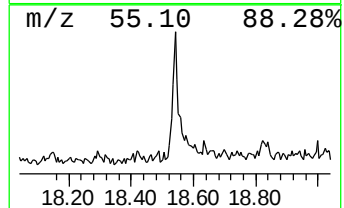
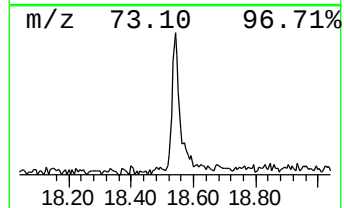
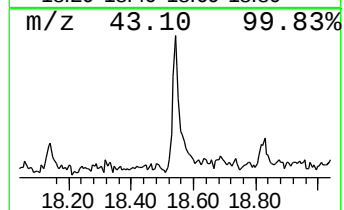
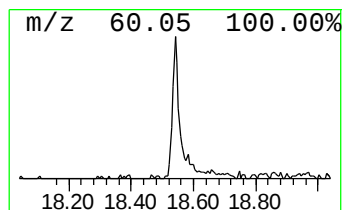
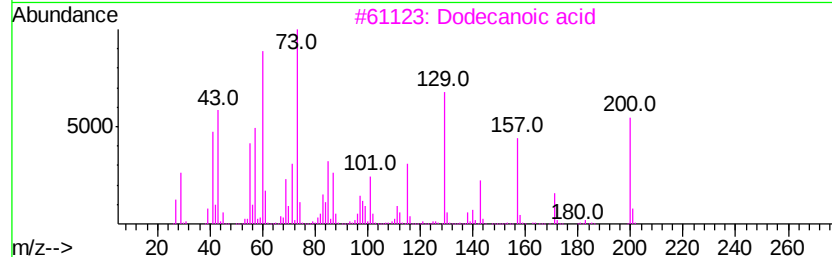
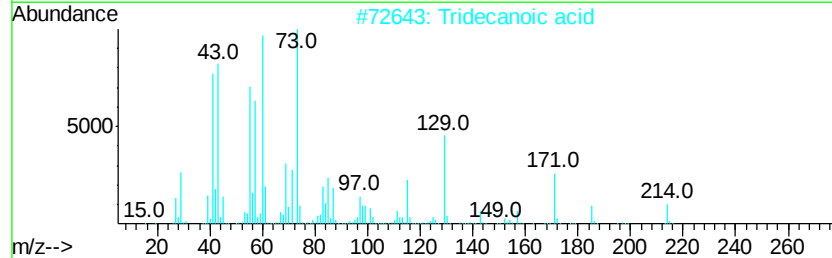
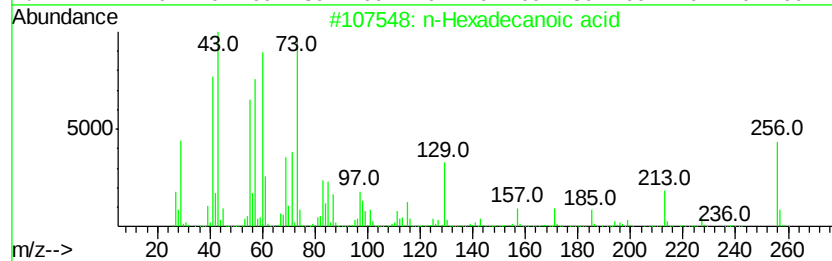
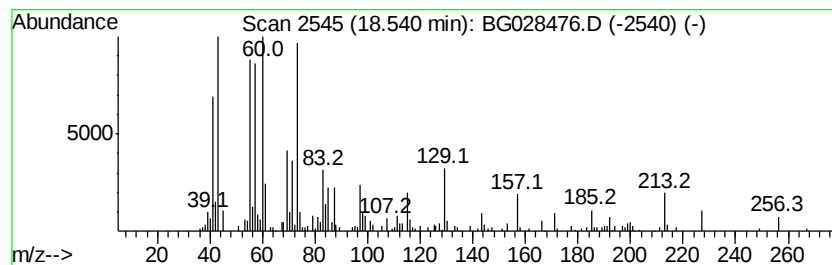
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	6.09 ng/ul	247943	Phenanthrene-d10	17.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91	
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89	
3	Dodecanoic acid	200	C12H24O2	000143-07-7	86	
4	Dodecanoic acid	200	C12H24O2	000143-07-7	76	
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72	



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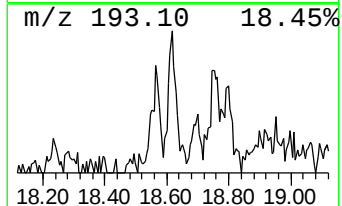
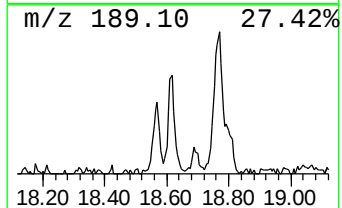
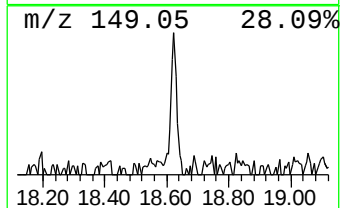
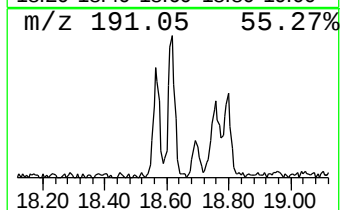
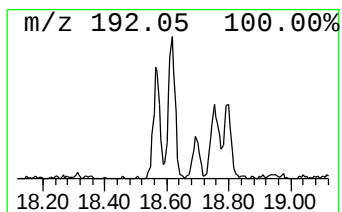
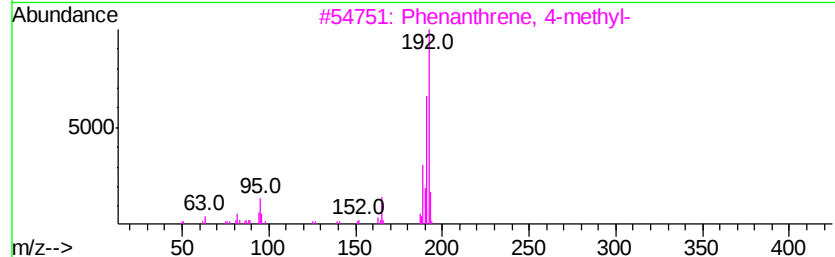
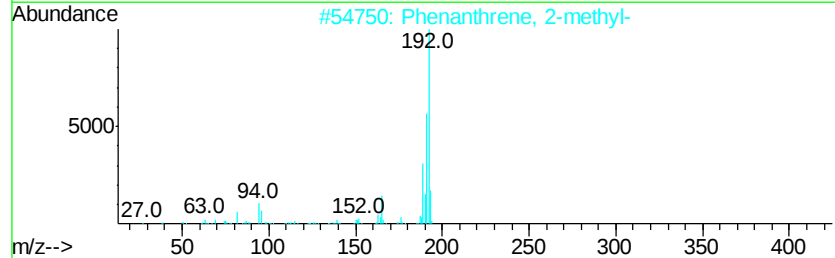
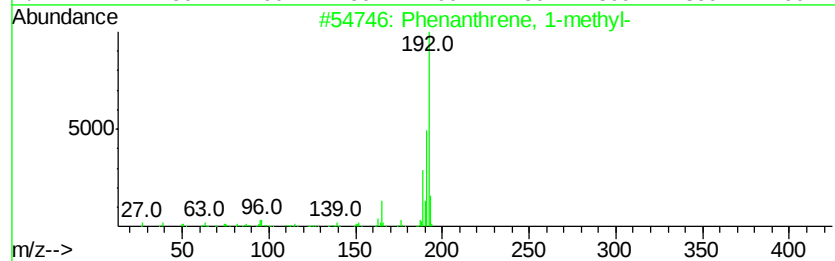
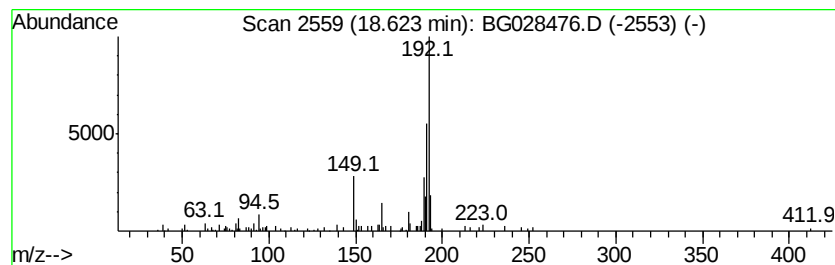
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Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.90 ng/ul	118093	Phenanthrene-d10	17.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028476.D
Acq On : 25 Aug 2017 1:24
Operator : SJ/JU
Sample : I4840-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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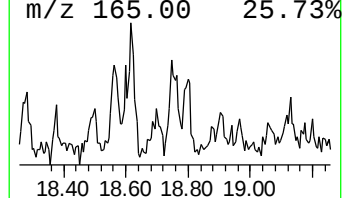
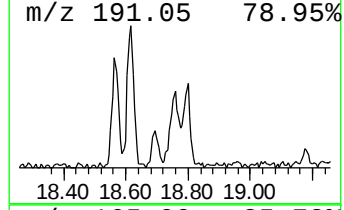
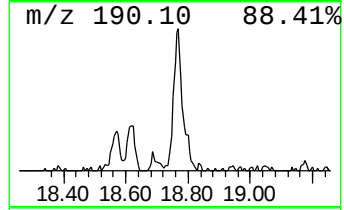
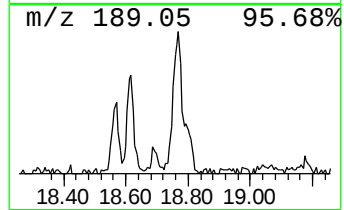
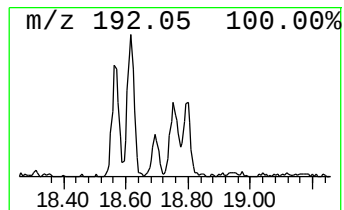
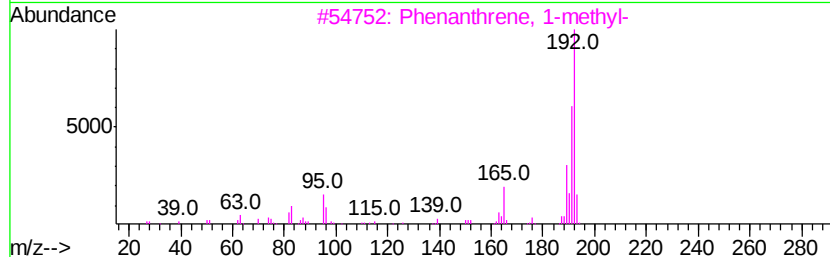
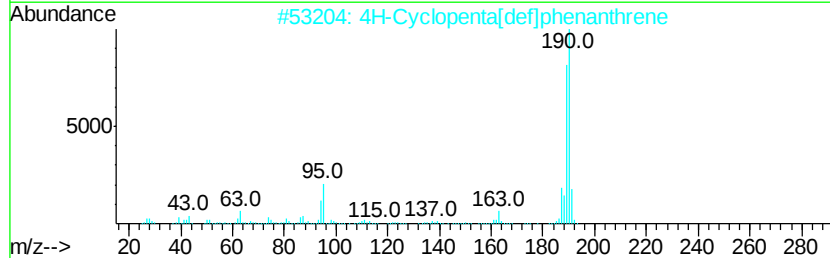
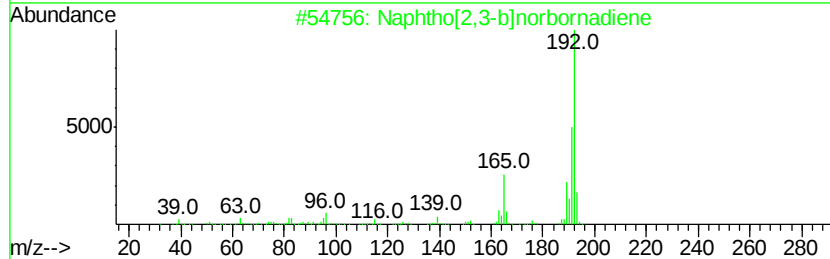
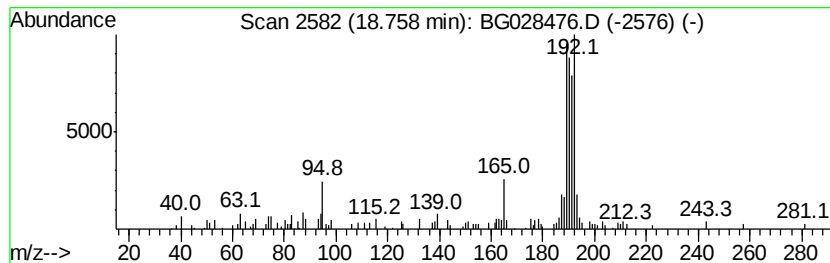
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.37 ng/ul	96660	Phenanthrene-d10	17.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028476.D
Acq On : 25 Aug 2017 1:24
Operator : SJ/JU
Sample : I4840-18
Misc :
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ClientSampleId :
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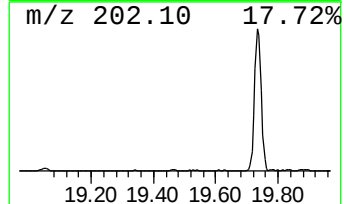
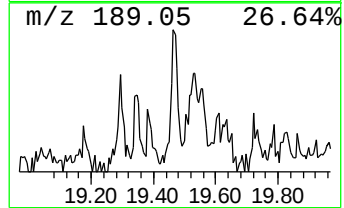
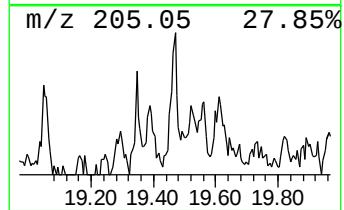
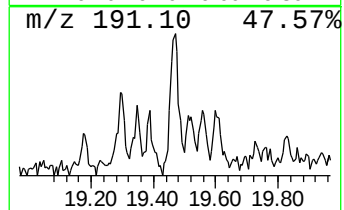
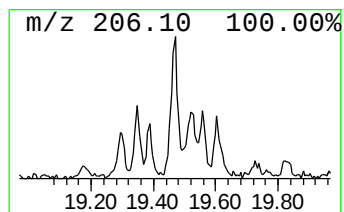
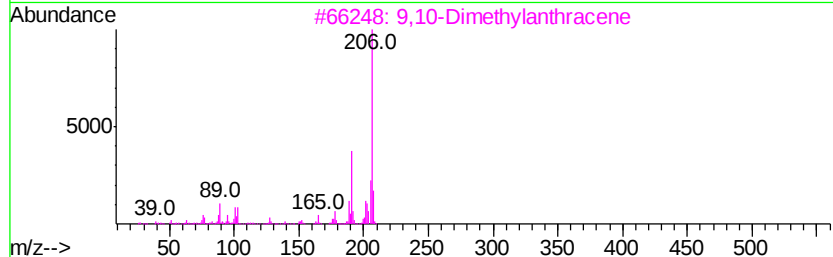
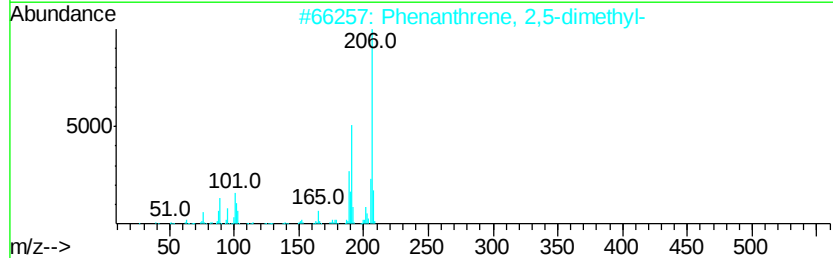
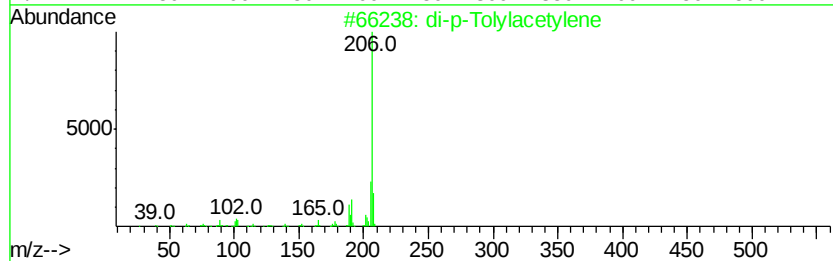
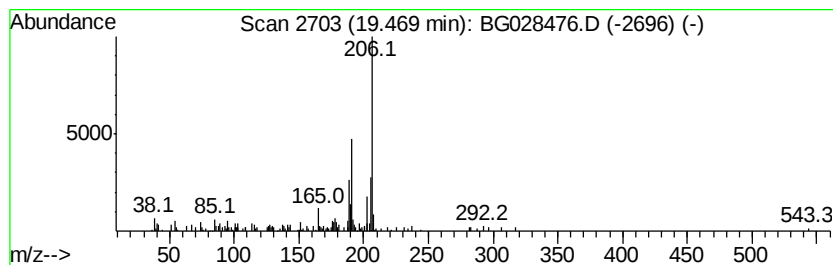
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	2.31 ng/ul	94086	Phenanthrene-d10	17.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		di-p-Tolylacetylene	206	C16H14	002789-88-0	80
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	72
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	64
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028476.D
Acq On : 25 Aug 2017 1:24
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Sample : I4840-18
Misc :
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Instrument :
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ClientSampleId :
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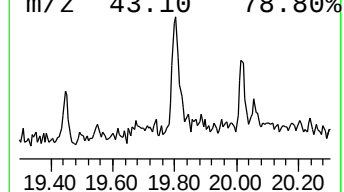
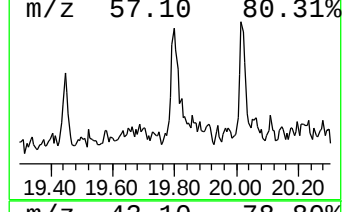
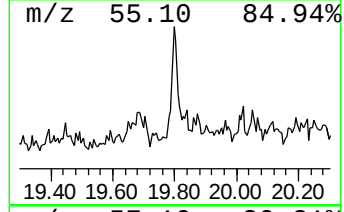
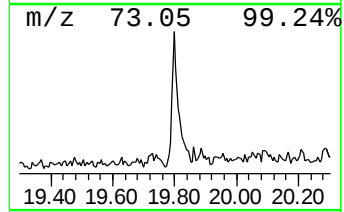
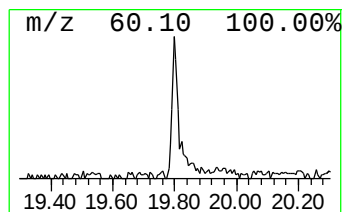
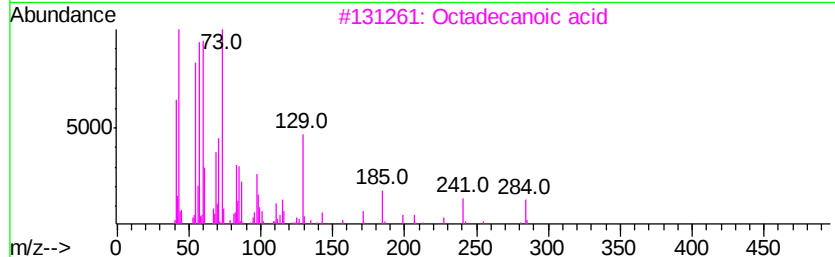
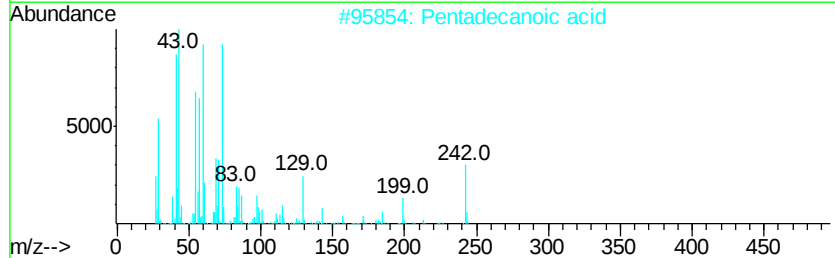
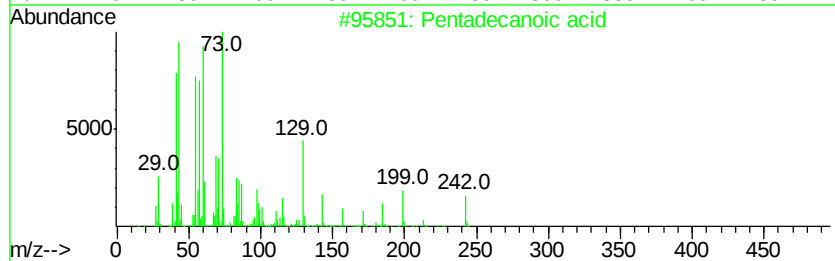
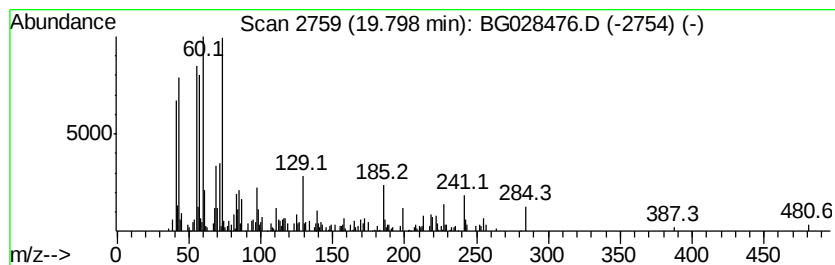
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Pentadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.75 ng/ul	152814	Phenanthrene-d10	17.69

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	93	
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93	
3	Octadecanoic acid	284	C18H36O2	000057-11-4	92	
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91	
5	Octadecanoic acid	284	C18H36O2	000057-11-4	86	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028476.D
Acq On : 25 Aug 2017 1:24
Operator : SJ/JU
Sample : I4840-18
Misc :
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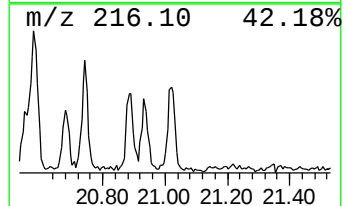
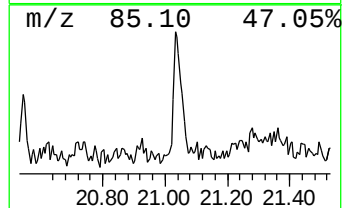
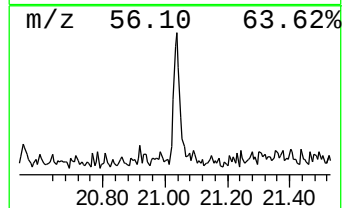
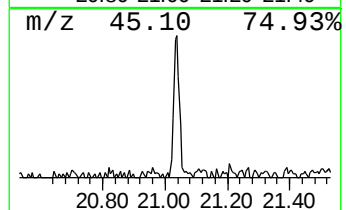
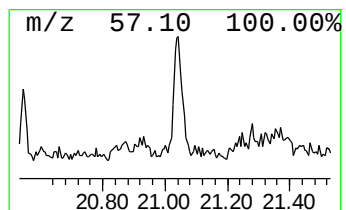
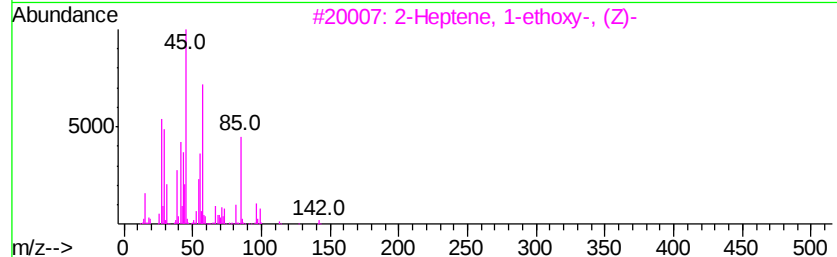
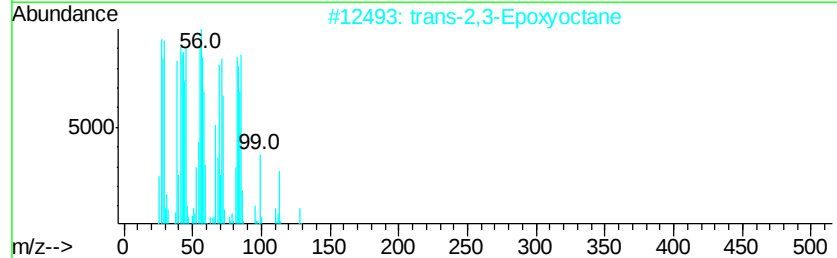
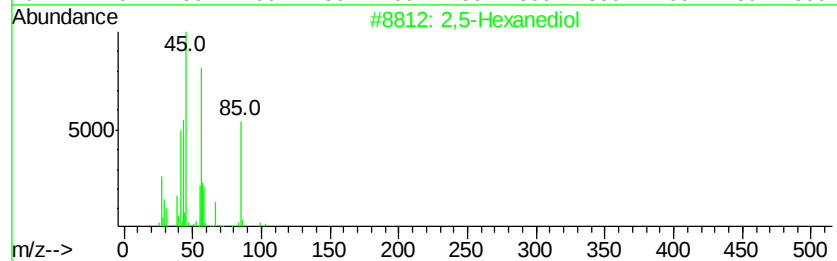
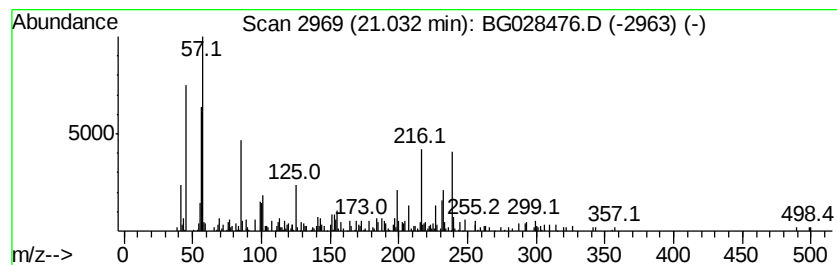
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	3.55 ng/ul	242421	Chrysene-d12	22.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Hexanediol	118	C6H14O2	002935-44-6	38
2		trans-2,3-Epoxyoctane	128	C8H16O	028180-70-3	38
3		2-Heptene, 1-ethoxy-, (Z)-	142	C9H18O	051149-74-7	27
4		1-(5-Methoxymethylnaphthalen-1-yl)-	216	C14H16O2	118513-18-1	27
5		Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028476.D
Acq On : 25 Aug 2017 1:24
Operator : SJ/JU
Sample : I4840-18
Misc :
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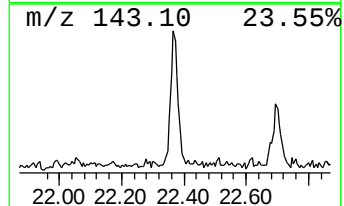
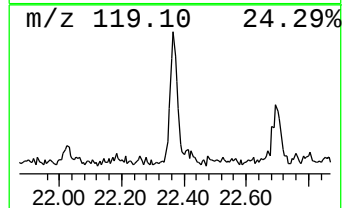
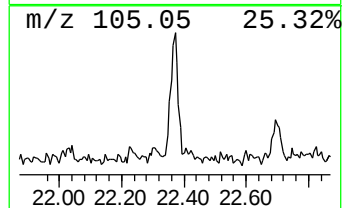
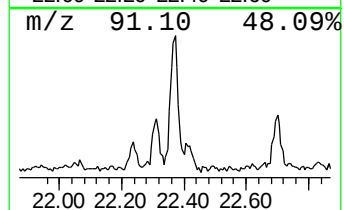
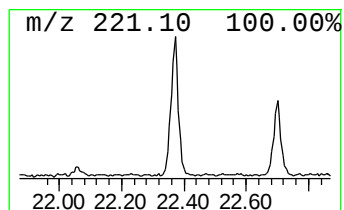
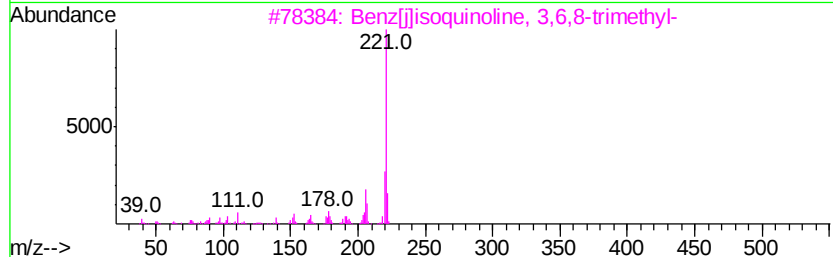
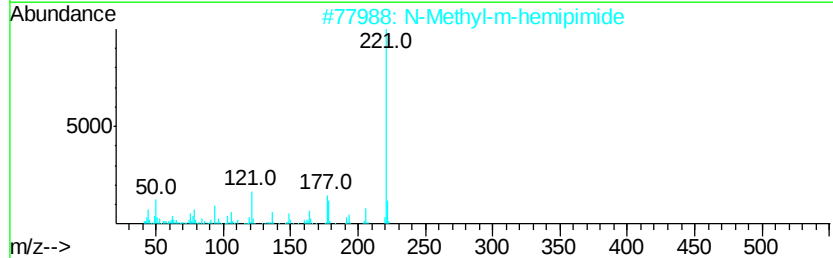
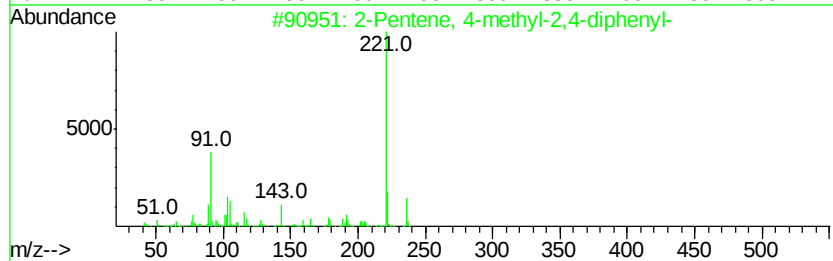
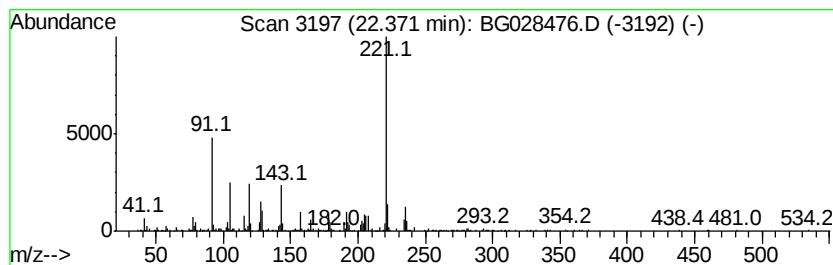
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 2-Pentene, 4-methyl-2,4-dip... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
22.37	4.37 ng/ul	298486	Chrysene-d12	22.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-2,4-diphenyl-	236	C18H20	006258-73-7	64	
2	N-Methyl-m-hemipimide	221	C11H11N04	092288-92-1	49	
3	Benz[ilisoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	46	
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	46	
5	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N	063042-66-0	43	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
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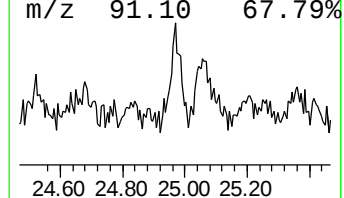
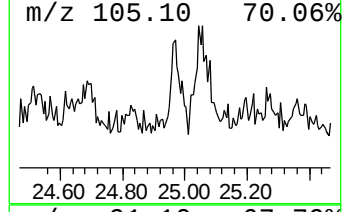
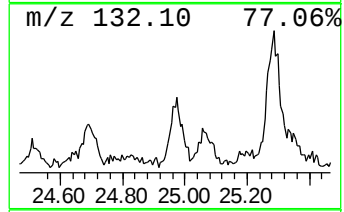
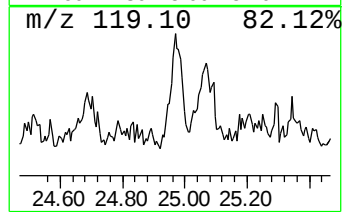
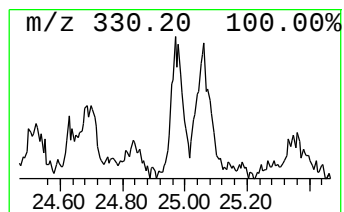
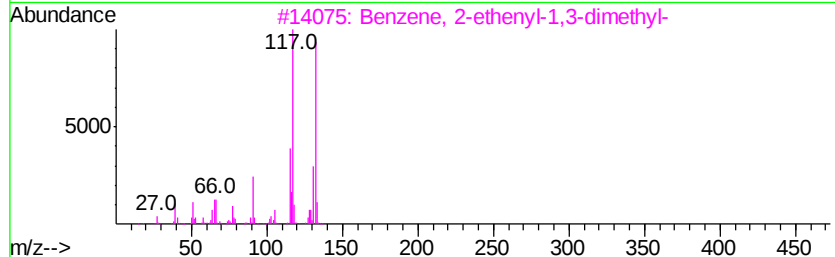
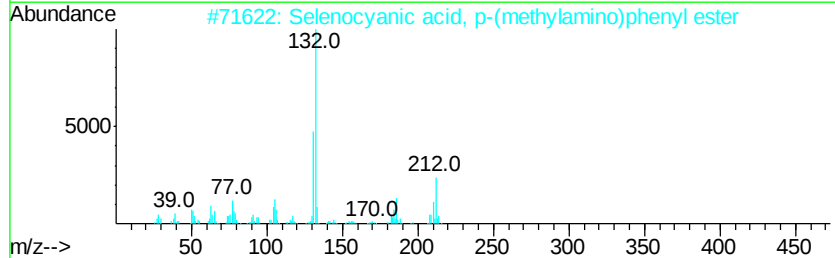
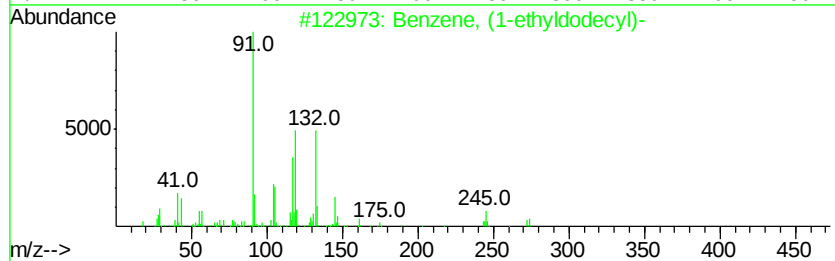
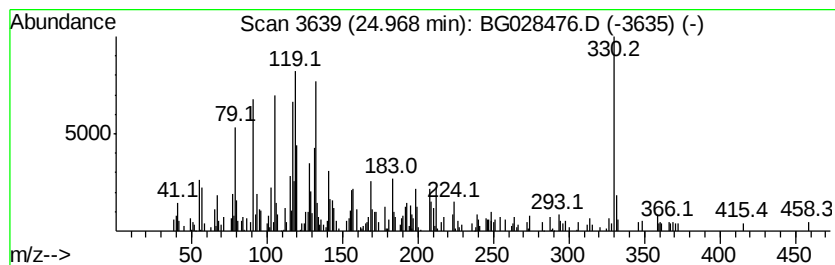
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.97	3.97 ng/ul	177456	Perylene-d12	25.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-ethyldodecyl)-	274	C20H34	004534-58-1	35
2		Selenocyanic acid, p-(methyamin...	212	C8H8N2Se	022037-03-2	25
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	18
4		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	18
5		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	18



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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
1H-Indene, 2,3-di...	16.97	2.3	ng/ul	92414	4	17.69	814676	20.0
n-Hexadecanoic acid	18.54	6.1	ng/ul	247943	4	17.69	814676	20.0
Phenanthrene, 1-m...	18.62	2.9	ng/ul	118093	4	17.69	814676	20.0
unknown-01	18.76	2.4	ng/ul	96660	4	17.69	814676	20.0
di-p-Tolylacetylene	19.47	2.3	ng/ul	94086	4	17.69	814676	20.0
Pentadecanoic acid	19.80	3.8	ng/ul	152814	4	17.69	814676	20.0
unknown-02	21.03	3.5	ng/ul	242421	5	22.02	1365630	20.0
2-Pentene, 4-meth...	22.37	4.4	ng/ul	298486	5	22.02	1365630	20.0
unknown-03	24.97	4.0	ng/ul	177456	6	25.53	893793	20.0