

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
 Data File : BM007043.D
 Acq On : 12 Aug 2016 14:48
 Operator : UM/SJ
 Sample : H4387-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS002-0612-01

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-BM081116.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	6.975	739	746	765	rVB	1337528	2317274	26.87%	1.189%
2	7.151	769	776	786	rVB	974543	1528943	17.73%	0.785%
3	7.345	801	809	819	rBV	1381230	2187477	25.37%	1.123%
4	7.816	882	889	896	rVV	1223435	2001823	23.21%	1.028%
5	8.510	998	1007	1016	rBV	1612896	2640586	30.62%	1.355%
6	8.969	1077	1085	1095	rBV	1294748	2185889	25.35%	1.122%
7	9.081	1095	1104	1109	rBV2	121648	211624	2.45%	0.109%
8	9.686	1199	1207	1215	rBV	1105823	1857811	21.54%	0.954%
9	10.216	1288	1297	1304	rBV	1805272	3059678	35.48%	1.571%
10	10.604	1354	1363	1368	rBV	1859639	3199355	37.10%	1.642%
11	10.733	1376	1385	1393	rBV	1186930	2073917	24.05%	1.065%
12	12.480	1672	1682	1689	rVB	126034	210615	2.44%	0.108%
13	13.769	1893	1901	1905	rVV	250453	450491	5.22%	0.231%
14	13.857	1911	1916	1920	rVV	3273353	4791240	55.56%	2.459%
15	13.904	1920	1924	1933	rVB	4553577	6326769	73.37%	3.248%
16	14.004	1933	1941	1944	rBV	134094	243151	2.82%	0.125%
17	14.139	1953	1964	1977	rBV2	3687687	6501782	75.40%	3.337%
18	14.445	2005	2016	2023	rBV2	2988510	4773360	55.35%	2.450%
19	14.633	2042	2048	2060	rBV	1480084	2384316	27.65%	1.224%
20	14.845	2079	2084	2091	rVV2	226721	417783	4.84%	0.214%
21	14.921	2091	2097	2102	rVB	245856	370944	4.30%	0.190%
22	15.063	2113	2121	2126	rBV2	219471	510658	5.92%	0.262%
23	15.115	2126	2130	2134	rVB	153573	216220	2.51%	0.111%
24	15.304	2159	2162	2169	rVB2	270114	426475	4.95%	0.219%
25	15.439	2176	2185	2190	rBV	4909047	7174838	83.20%	3.683%
26	15.492	2190	2194	2198	rVV3	184022	282213	3.27%	0.145%
27	15.551	2200	2204	2211	rVB	864805	1278255	14.82%	0.656%
28	15.710	2222	2231	2237	rVB5	135247	343251	3.98%	0.176%
29	15.939	2261	2270	2277	rBV7	131370	326556	3.79%	0.168%
30	16.168	2304	2309	2321	rVV	487494	867642	10.06%	0.445%
31	16.498	2357	2365	2369	rVV4	230764	554271	6.43%	0.285%
32	16.545	2369	2373	2378	rVV2	222705	358431	4.16%	0.184%
33	16.845	2420	2424	2431	rVB4	199815	337885	3.92%	0.173%
34	16.957	2440	2443	2447	rVV2	224421	317618	3.68%	0.163%

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35	17.009	2447	2452	2460	rVB	403959	656656	7.61%	0.337%
36	17.186	2477	2482	2486	rBV	3649523	5526014	64.08%	2.837%
37	17.227	2486	2489	2494	rVB	2719047	3785679	43.90%	1.943%
38	17.286	2494	2499	2504	rBV2	5119218	7358163	85.33%	3.777%
39	17.380	2509	2515	2520	rBV3	256446	541644	6.28%	0.278%
40	17.498	2532	2535	2540	rVB2	210021	279884	3.25%	0.144%
41	17.574	2543	2548	2556	rBV2	1487467	1985831	23.03%	1.019%
42	17.698	2566	2569	2574	rVB2	165377	303739	3.52%	0.156%
43	17.768	2576	2581	2588	rVB	668696	1007512	11.68%	0.517%
44	17.915	2601	2606	2611	rVB	364120	656594	7.61%	0.337%
45	17.980	2613	2617	2621	rBV2	186538	283871	3.29%	0.146%
46	18.062	2626	2631	2633	rBV	1722862	2379524	27.59%	1.221%
47	18.092	2633	2636	2637	rBV2	933500	907671	10.53%	0.466%
48	18.192	2649	2653	2658	rBV2	298287	480665	5.57%	0.247%
49	18.251	2658	2663	2667	rVV2	1849350	3051773	35.39%	1.567%
50	18.292	2667	2670	2678	rVB	1358557	1984161	23.01%	1.019%
51	18.386	2682	2686	2689	rBV2	297199	472426	5.48%	0.243%
52	18.462	2694	2699	2703	rVB3	399172	609312	7.07%	0.313%
53	18.562	2712	2716	2719	rBV2	747406	1008382	11.69%	0.518%
54	18.603	2719	2723	2734	rVB2	682321	1632391	18.93%	0.838%
55	18.780	2749	2753	2755	rBV2	361919	492926	5.72%	0.253%
56	18.809	2755	2758	2763	rVV	684428	980555	11.37%	0.503%
57	18.862	2763	2767	2770	rVV	1111034	1422743	16.50%	0.730%
58	18.903	2770	2774	2777	rVB2	817400	1089056	12.63%	0.559%
59	18.951	2777	2782	2784	rBV	3267525	4054103	47.01%	2.081%
60	18.986	2784	2788	2792	rVV	2290573	3421837	39.68%	1.756%
61	19.039	2792	2797	2801	rVV3	997384	1948744	22.60%	1.000%
62	19.074	2801	2803	2807	rVB	793565	867897	10.06%	0.446%
63	19.121	2807	2811	2817	rBV2	971327	1941507	22.51%	0.997%
64	19.245	2827	2832	2839	rVB	4059518	5472357	63.46%	2.809%
65	19.309	2839	2843	2846	rBV	531466	752355	8.72%	0.386%
66	19.368	2846	2853	2857	rBV2	1600924	2571263	29.82%	1.320%
67	19.445	2863	2866	2869	rVB	320351	376089	4.36%	0.193%
68	19.492	2870	2874	2877	rVV2	471167	643047	7.46%	0.330%
69	19.521	2877	2879	2884	rVB3	376316	480084	5.57%	0.246%
70	19.580	2884	2889	2892	rBV	5552594	8623229	100.00%	4.426%
71	19.609	2892	2894	2902	rVV	5434089	7659896	88.83%	3.932%

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72	19.692	2903	2908	2912	rVB2	1141614	1796473	20.83%	0.922%
73	19.845	2931	2934	2940	rVB3	563095	965493	11.20%	0.496%
74	19.933	2944	2949	2960	rBV6	960551	2584624	29.97%	1.327%
75	20.021	2960	2964	2967	rBV3	373451	510448	5.92%	0.262%
76	20.068	2968	2972	2974	rVV4	746584	1168722	13.55%	0.600%
77	20.103	2975	2978	2982	rVB	1200036	1611132	18.68%	0.827%
78	20.203	2992	2995	2999	rVB2	514252	620559	7.20%	0.319%
79	20.262	3001	3005	3010	rVB	1377304	1845264	21.40%	0.947%
80	20.403	3025	3029	3033	rBV	1240693	1598446	18.54%	0.821%
81	20.450	3033	3037	3041	rVV	1059312	1486385	17.24%	0.763%
82	20.568	3054	3057	3062	rVB3	330631	453440	5.26%	0.233%
83	20.850	3102	3105	3112	rVB	752735	1199181	13.91%	0.616%
84	20.939	3118	3120	3125	rVB	390298	499325	5.79%	0.256%
85	20.997	3126	3130	3131	rBV	536808	680950	7.90%	0.350%
86	21.021	3132	3134	3137	rVV2	711860	775092	8.99%	0.398%
87	21.056	3138	3140	3142	rVV	341071	298337	3.46%	0.153%
88	21.092	3142	3146	3151	rVV3	951238	1330662	15.43%	0.683%
89	21.368	3187	3193	3197	rBV2	4278414	8223173	95.36%	4.221%
90	21.409	3197	3200	3209	rVV	2241194	3162084	36.67%	1.623%
91	21.492	3210	3214	3217	rVB2	420800	558613	6.48%	0.287%
92	21.933	3282	3289	3293	rBV	951561	1651139	19.15%	0.848%
93	21.986	3294	3298	3302	rVB	855013	1214453	14.08%	0.623%
94	22.127	3319	3322	3326	rBV	638468	815862	9.46%	0.419%
95	22.968	3460	3465	3469	rBV2	1397833	2874553	33.33%	1.476%
96	23.009	3469	3472	3478	rVB2	2407033	3637715	42.19%	1.867%
97	23.456	3543	3548	3551	rBV	791345	1390648	16.13%	0.714%
98	23.509	3551	3557	3561	rVV	2585889	4969666	57.63%	2.551%
99	23.550	3561	3564	3573	rVB	1490281	2595733	30.10%	1.332%
100	23.650	3575	3581	3587	rBV	2060449	3854860	44.70%	1.979%

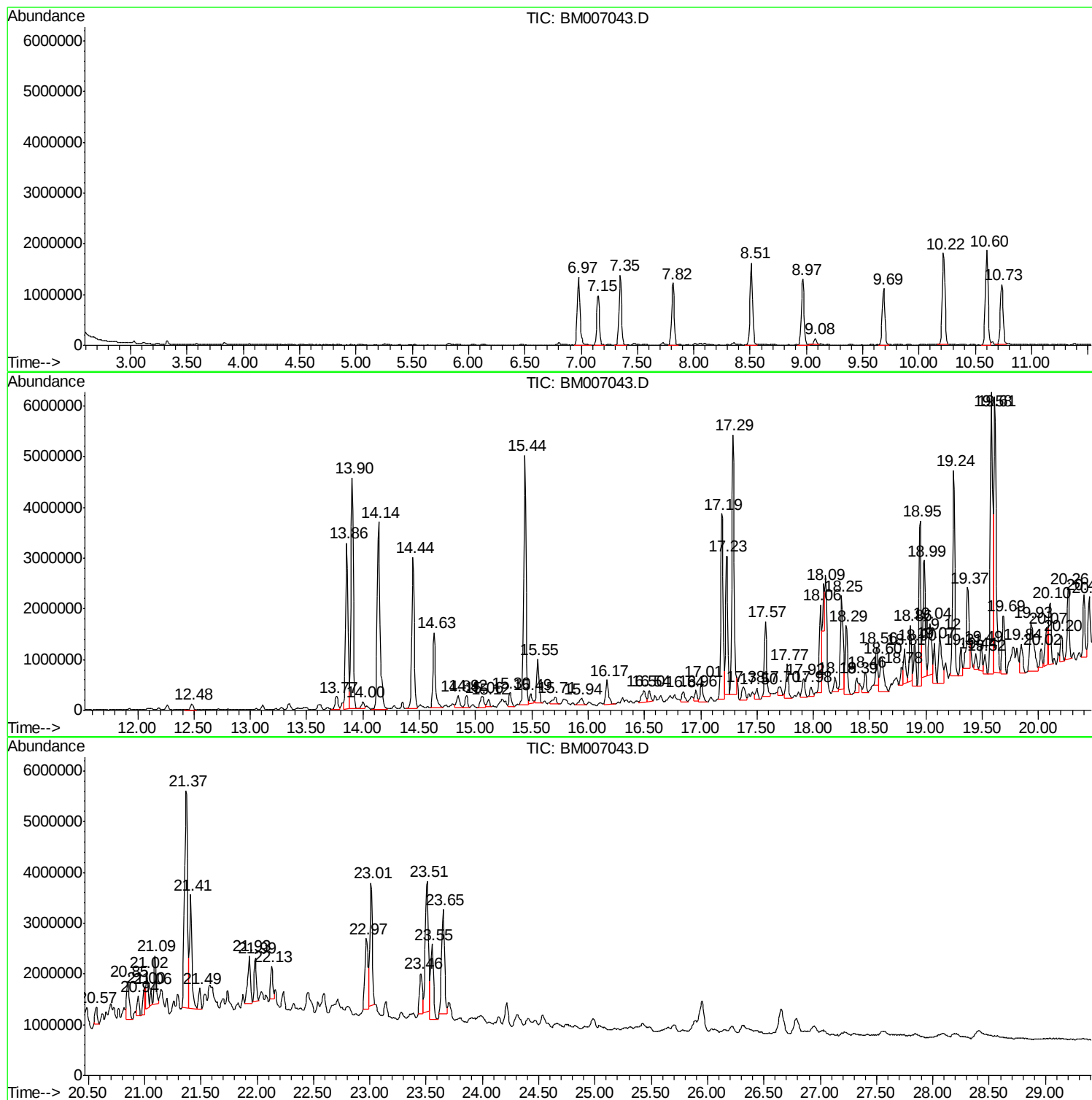
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



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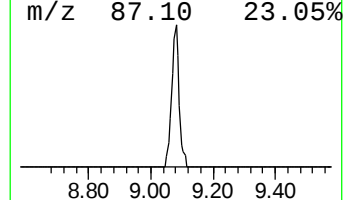
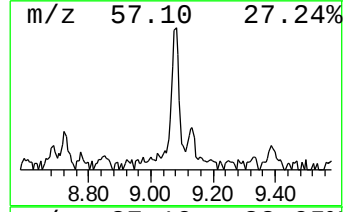
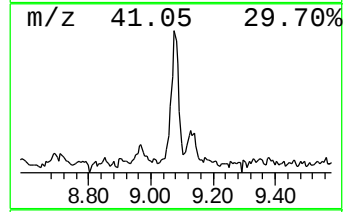
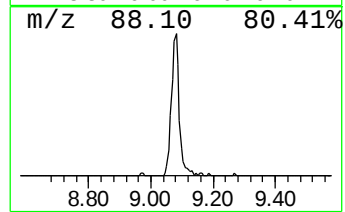
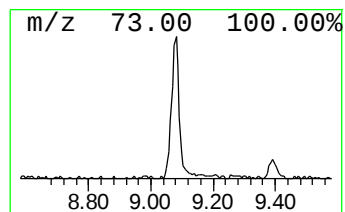
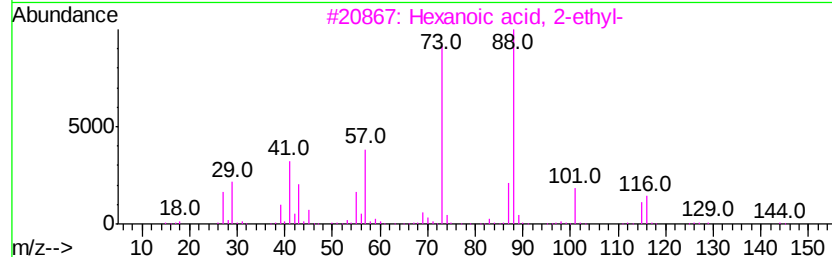
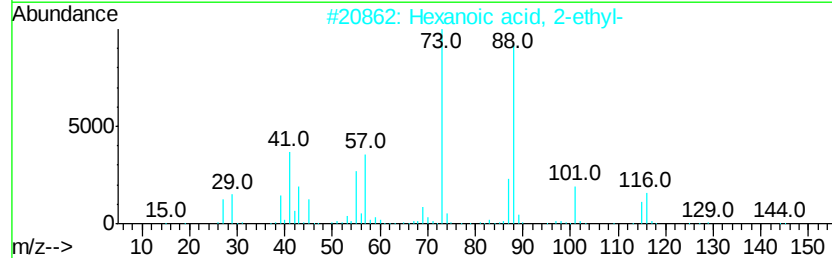
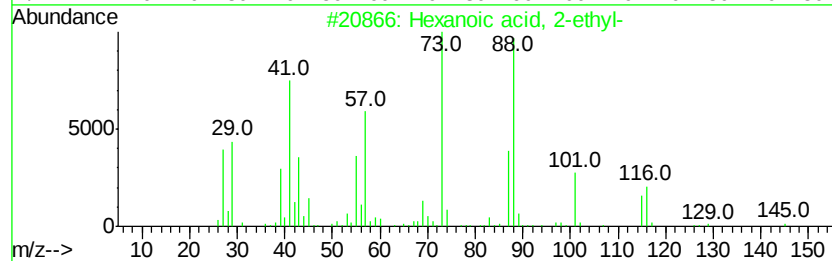
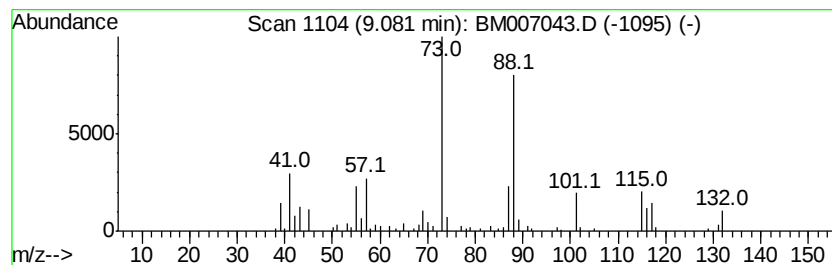
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	2.11 ng/ul	211624	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2		Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
3		Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
4		Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	50
5		Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	40



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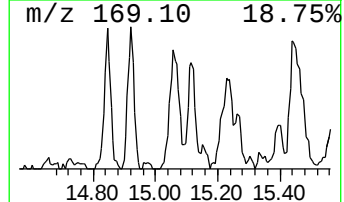
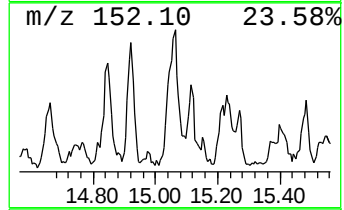
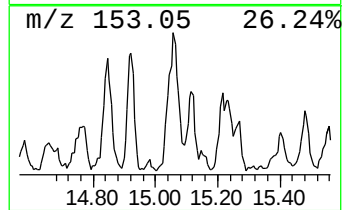
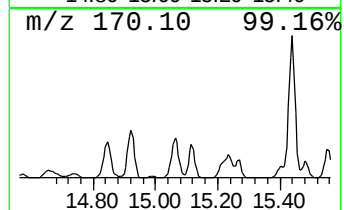
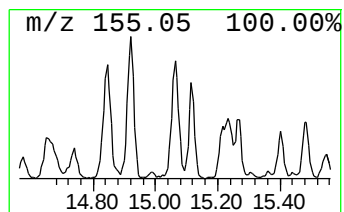
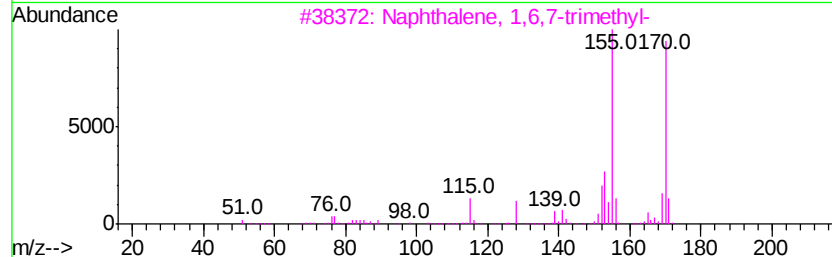
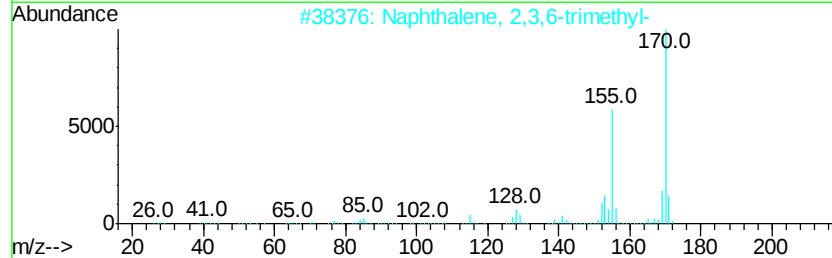
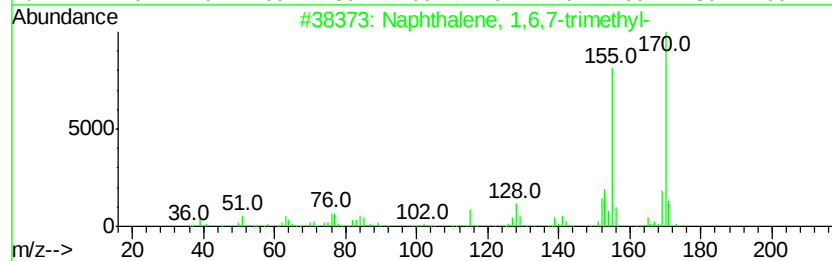
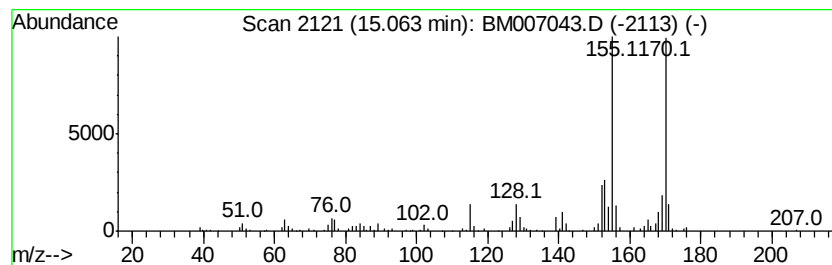
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.14 ng/ul	510658	Acenaphthene-d10	14.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94



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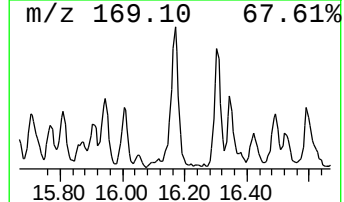
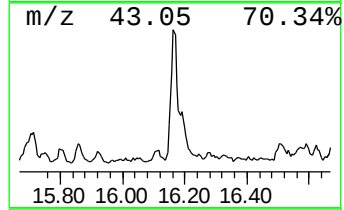
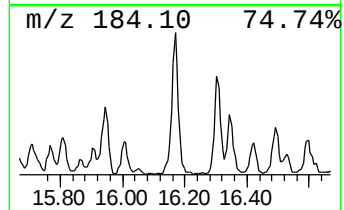
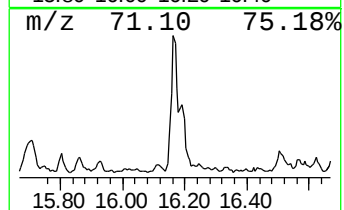
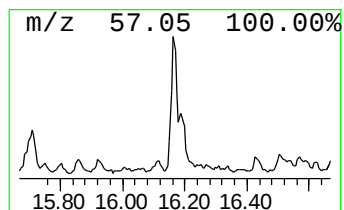
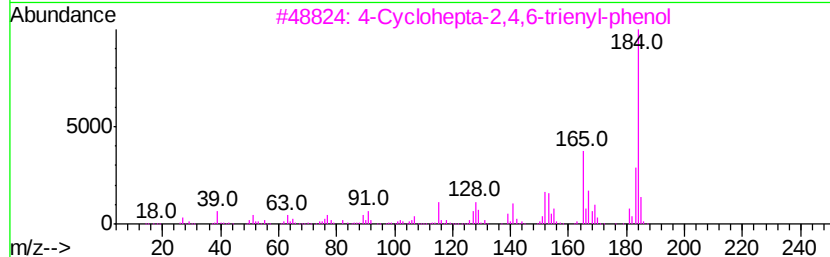
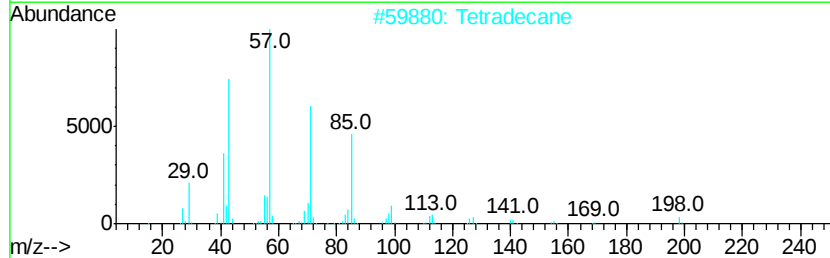
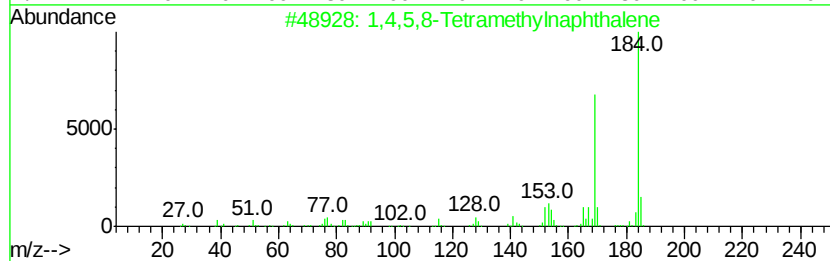
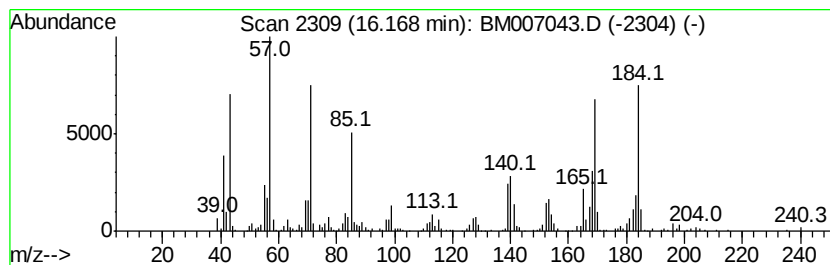
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,4,5,8-Tetramethylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.14 ng/ul	867642	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	83
2		Tetradecane	198	C14H30	000629-59-4	70
3		4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	68
4		Chamazulene	184	C14H16	000529-05-5	59
5		Tetradecane	198	C14H30	000629-59-4	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS002-0612-01

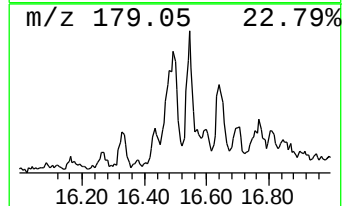
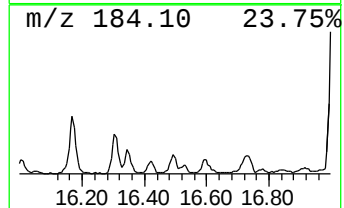
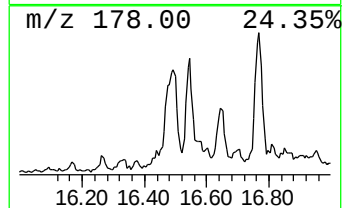
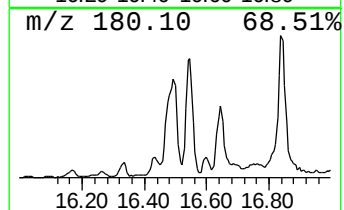
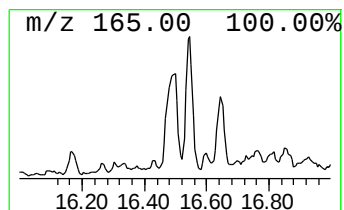
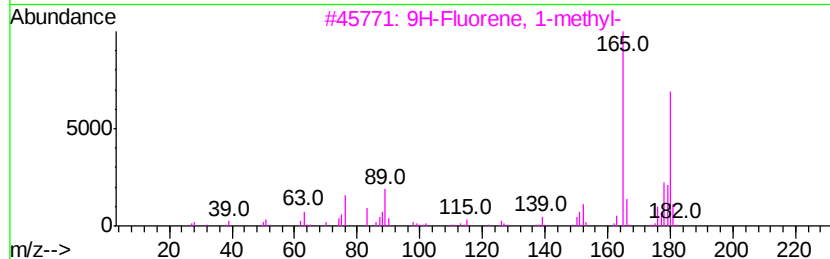
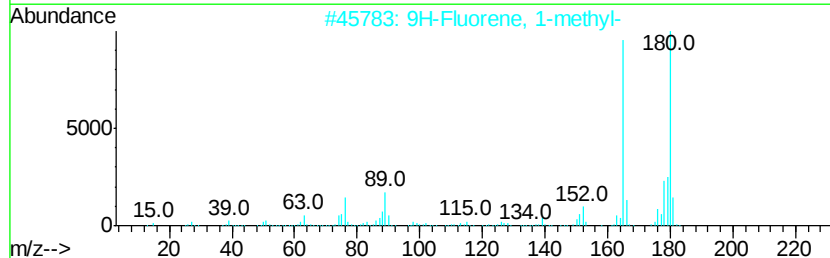
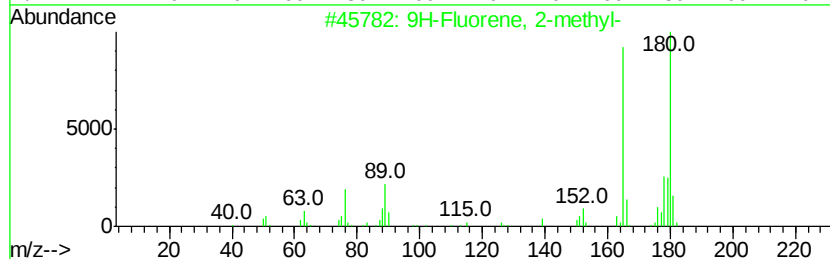
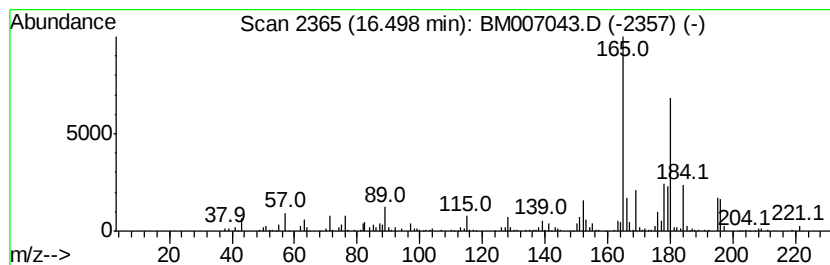
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.01 ng/ul	554271	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	78
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
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P003-SS002-0612-01

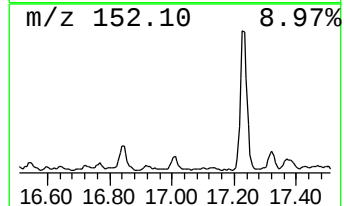
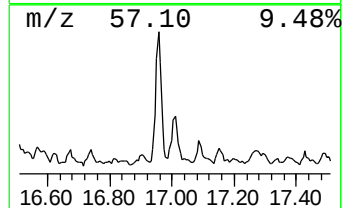
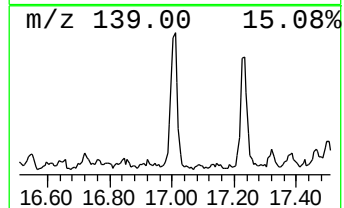
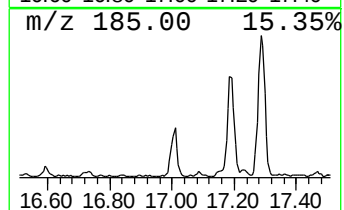
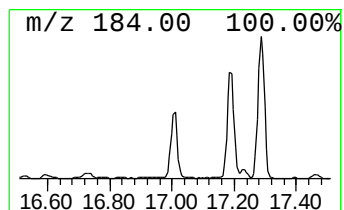
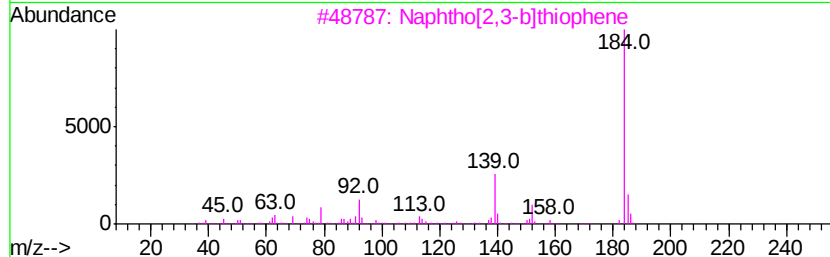
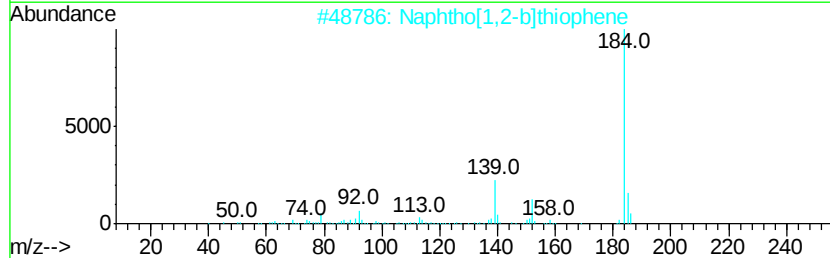
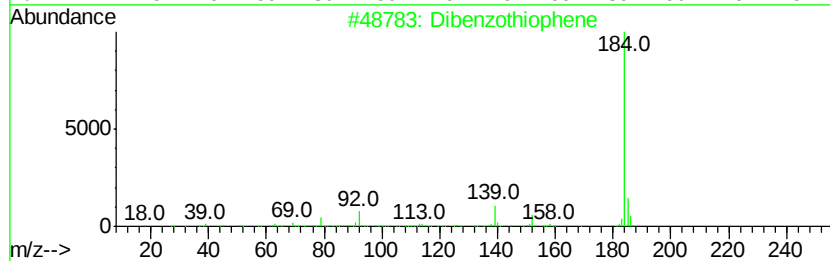
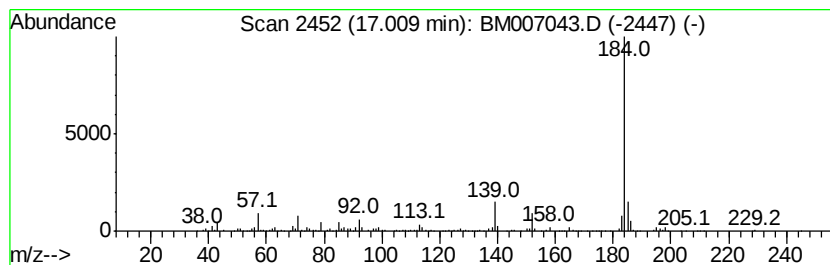
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.38 ng/ul	656656	Phenanthrene-d10	17.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

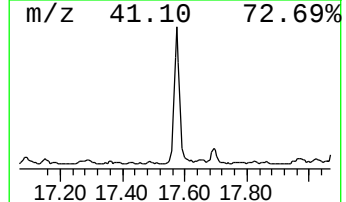
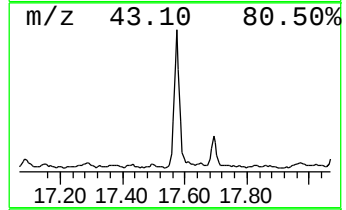
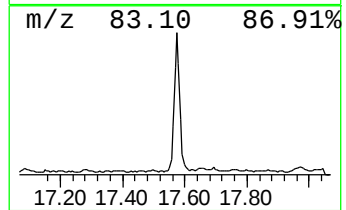
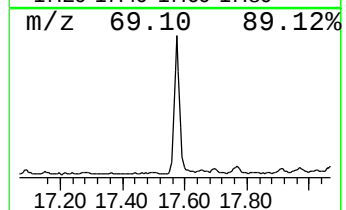
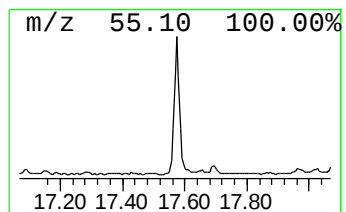
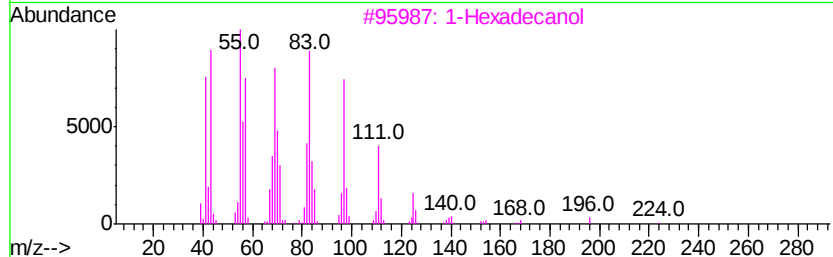
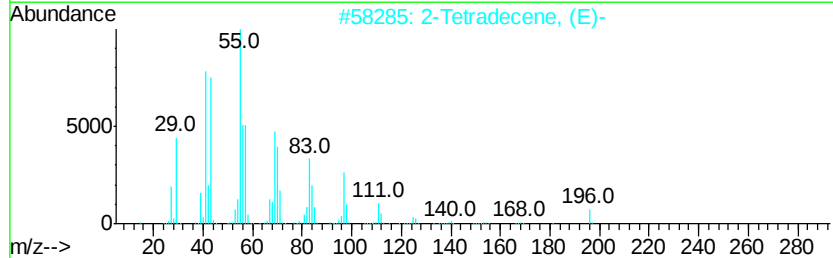
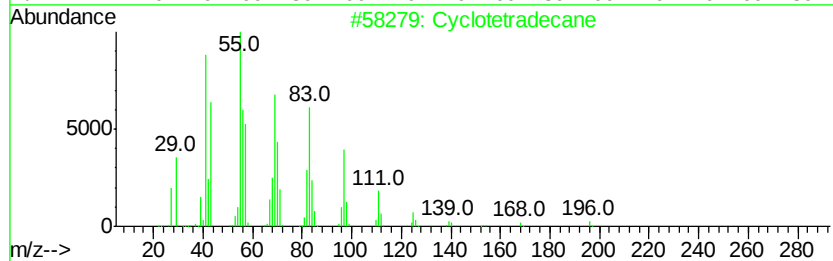
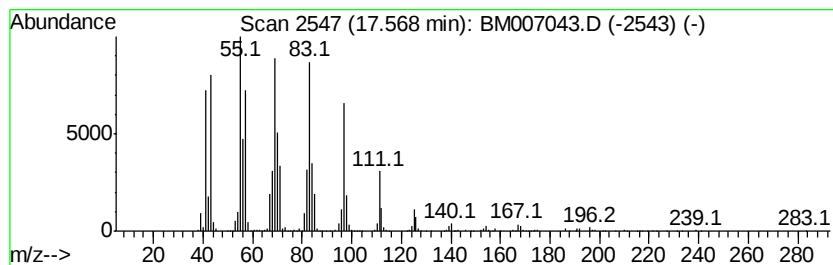
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic17.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	7.19 ng/ul	1985830	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetradecane	196	C14H28	000295-17-0	98
2		2-Tetradecene, (E)-	196	C14H28	035953-54-9	96
3		1-Hexadecanol	242	C16H34O	036653-82-4	95
4		Cyclododecane	168	C12H24	000294-62-2	94
5		1-Tetradecene	196	C14H28	001120-36-1	92



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
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Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

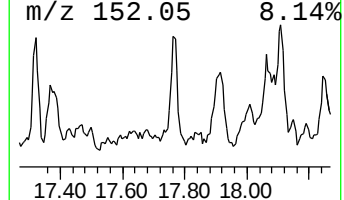
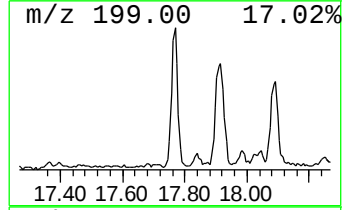
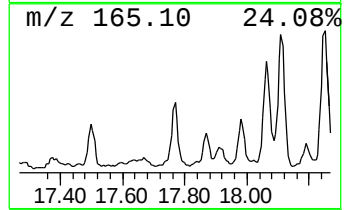
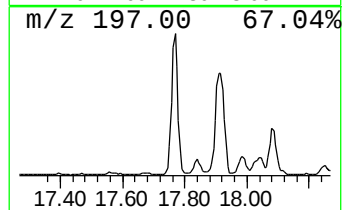
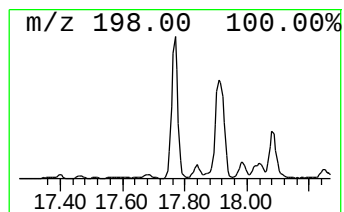
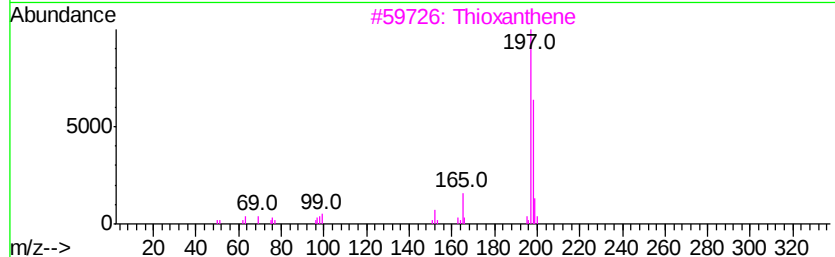
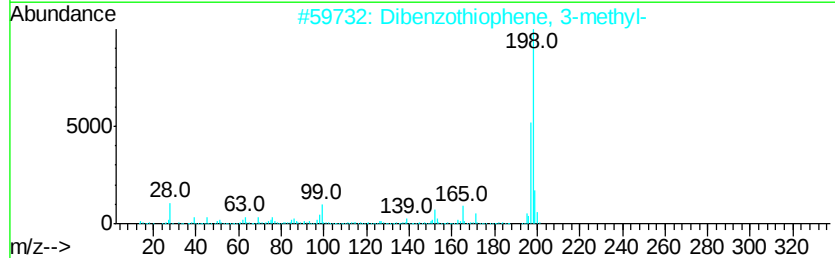
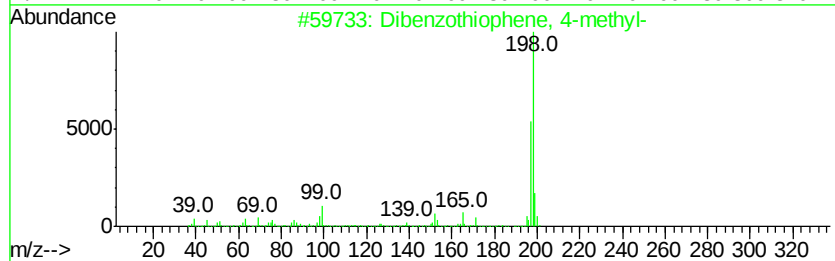
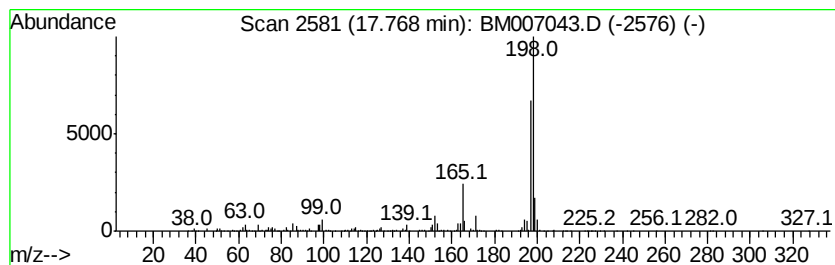
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	3.65 ng/ul	1007510	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3		Thioxanthene	198	C13H10S	000261-31-4	86
4		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
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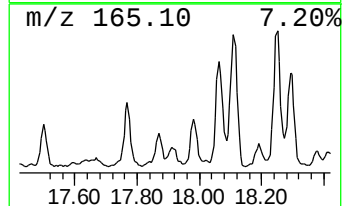
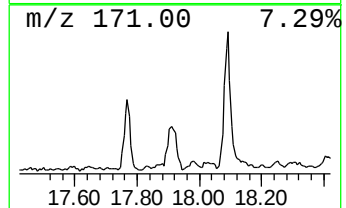
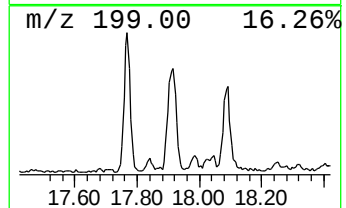
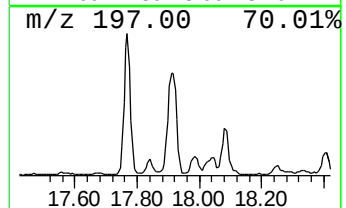
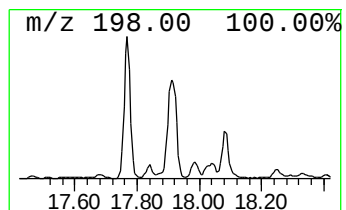
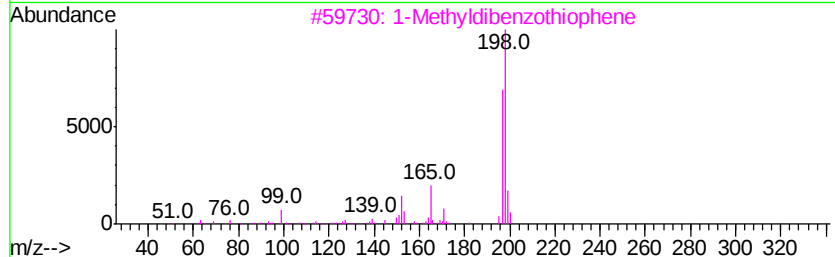
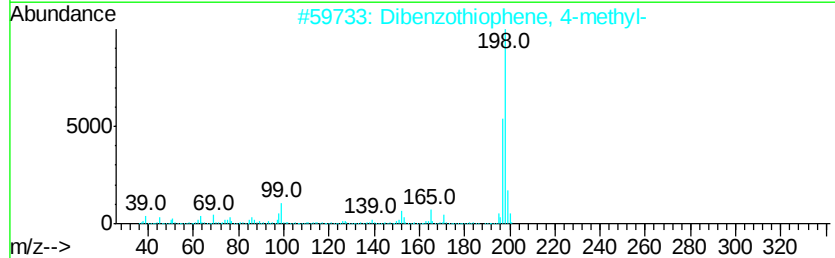
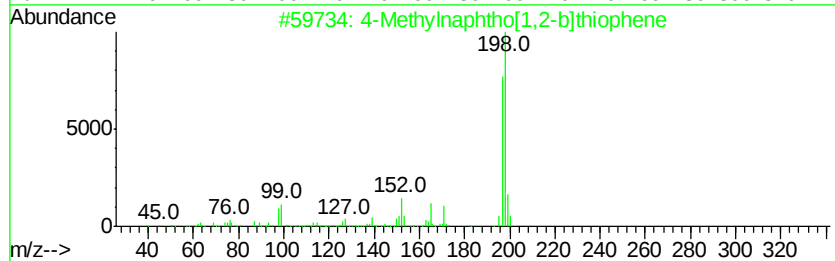
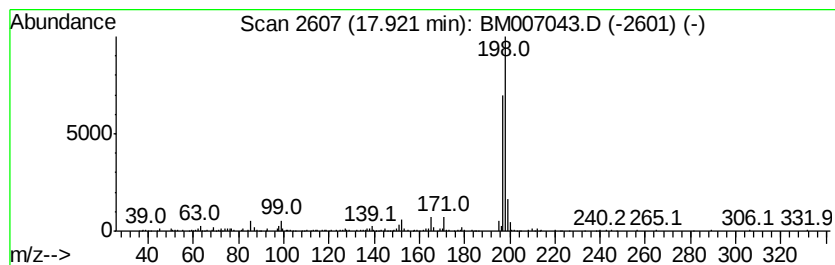
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.38 ng/ul	656594	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3		1-Methyl dibenzothiophene	198	C13H10S	031317-07-4	91
4		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5		Tacrine	198	C13H14N2	000321-64-2	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
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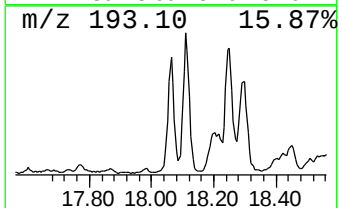
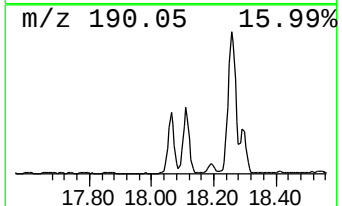
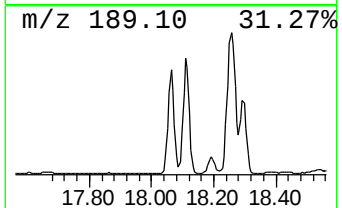
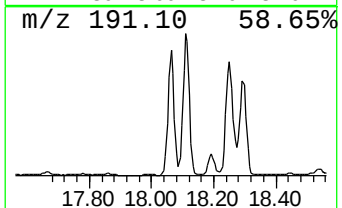
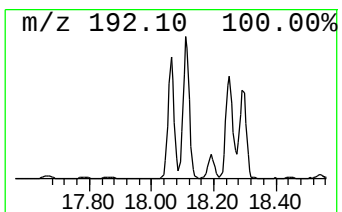
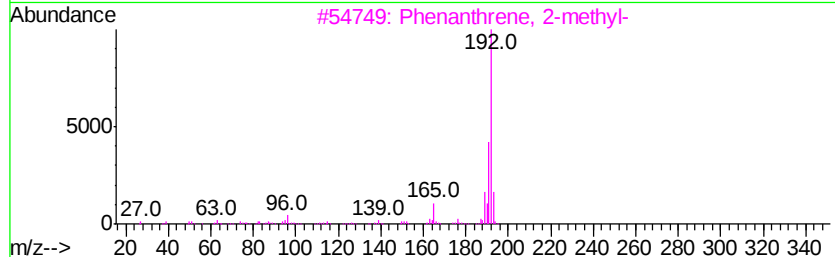
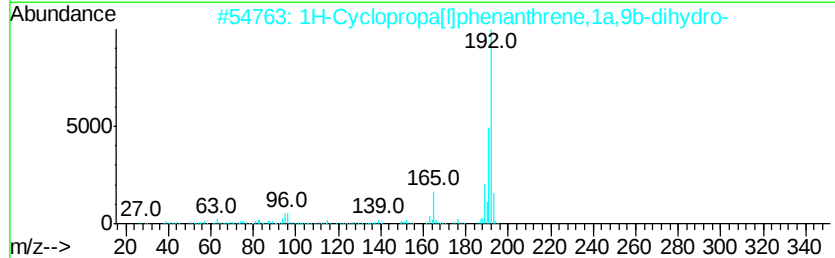
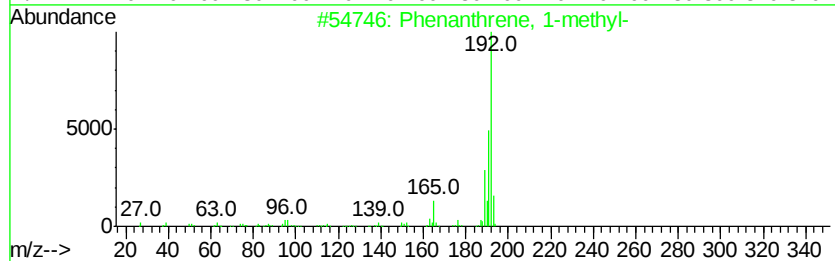
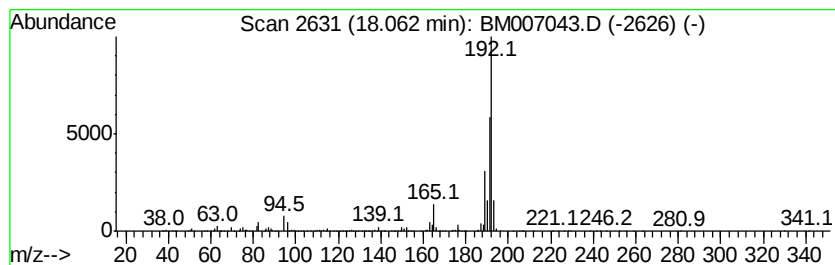
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.06	8.61 ng/ul	2379520	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

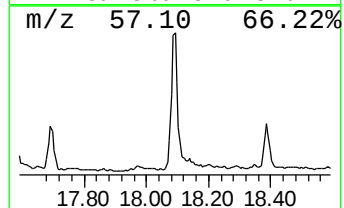
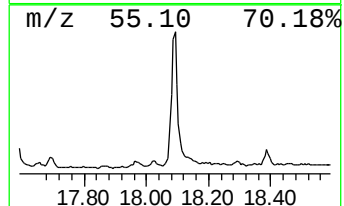
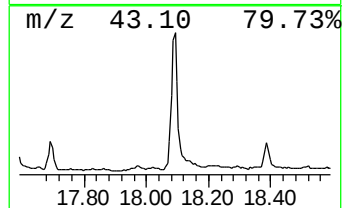
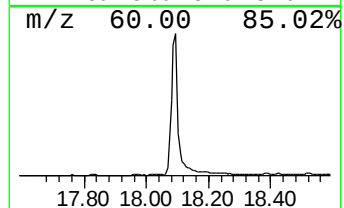
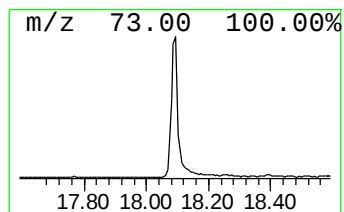
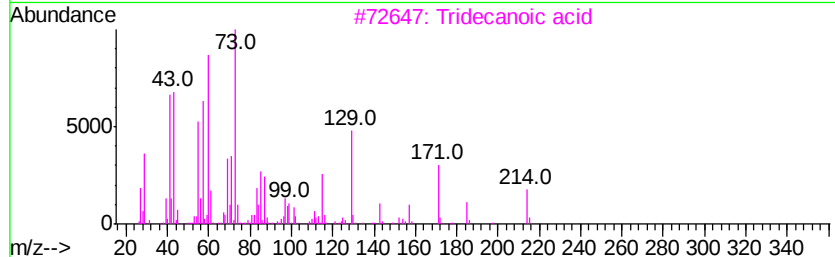
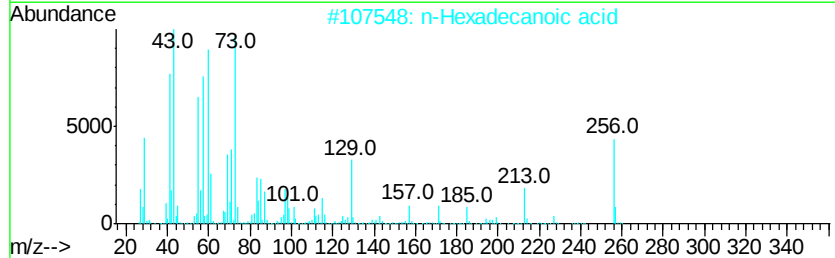
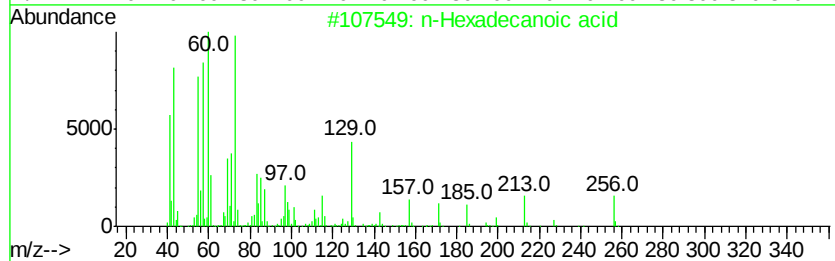
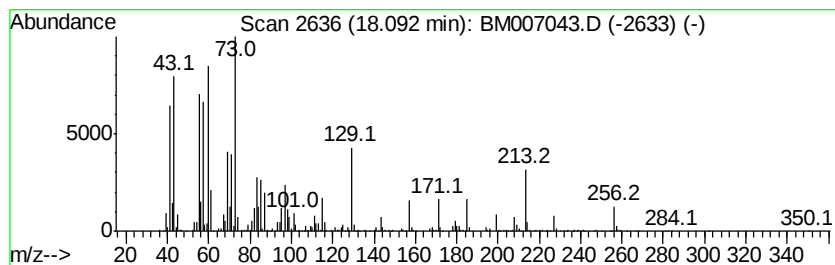
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 n-Hexadecanoic acid Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.29 ng/ul	907671	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3		Tridecanoic acid	214	C13H26O2	000638-53-9	94
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	94
5		Tridecanoic acid	214	C13H26O2	000638-53-9	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

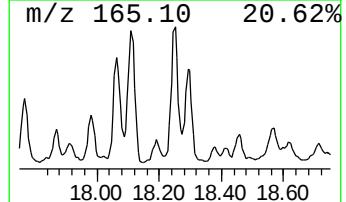
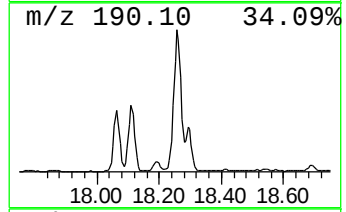
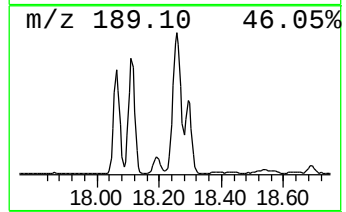
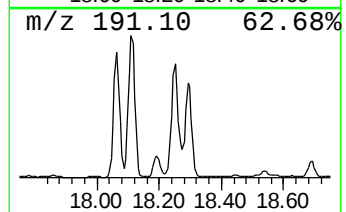
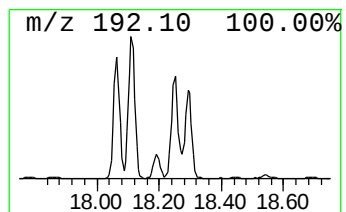
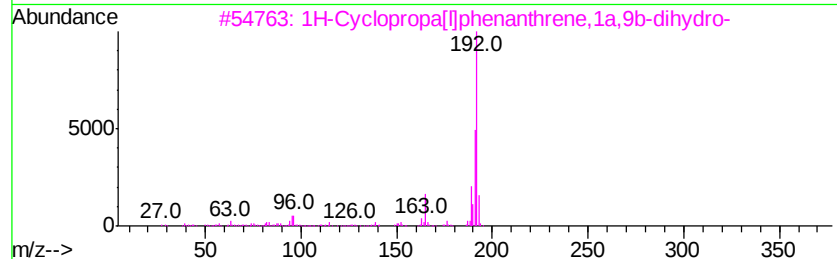
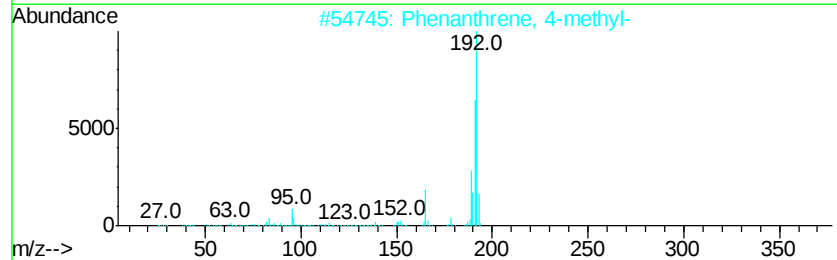
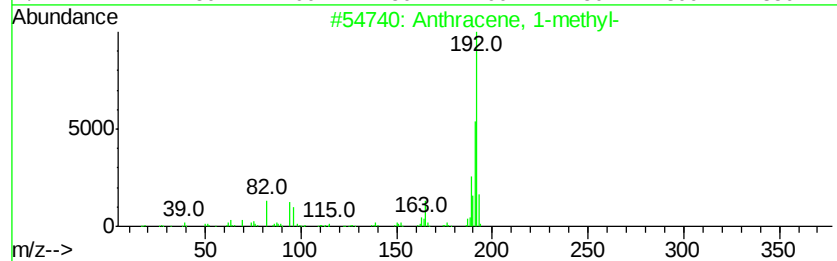
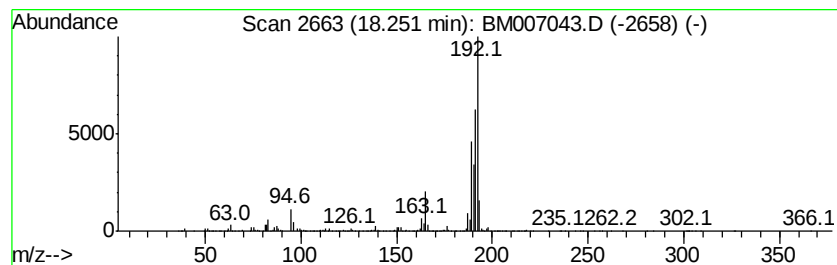
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	11.05 ng/ul	3051770	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	70
4			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
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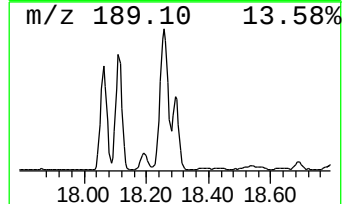
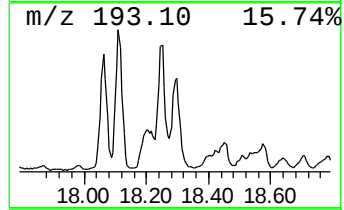
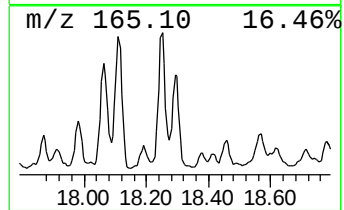
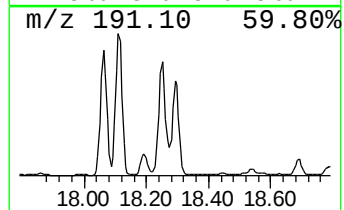
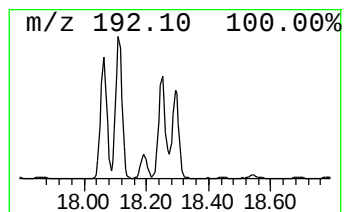
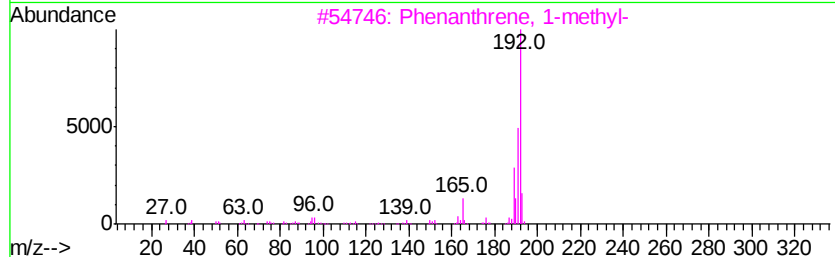
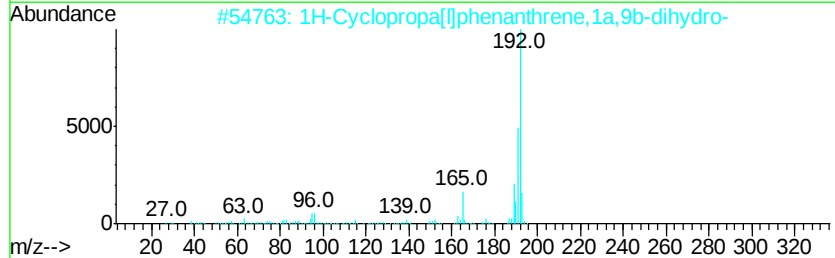
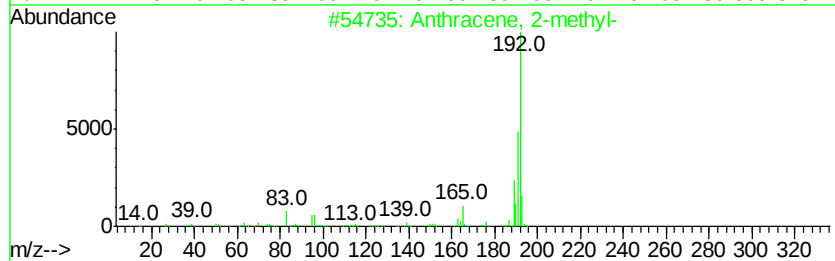
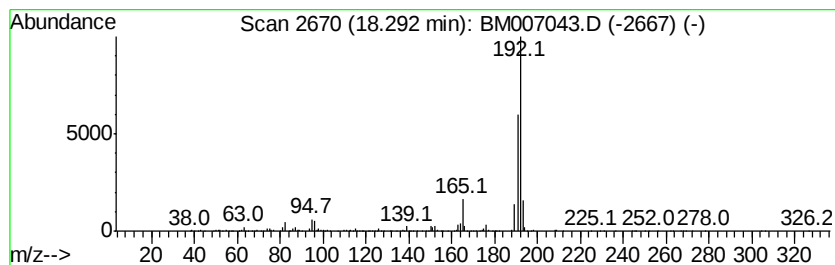
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	7.18 ng/ul	1984160	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
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Sample : H4387-05
Misc :
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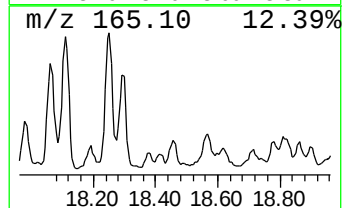
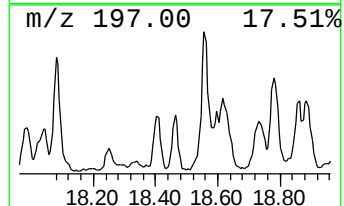
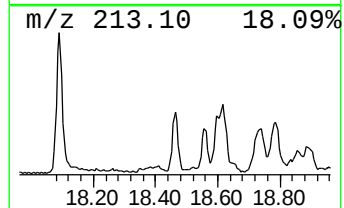
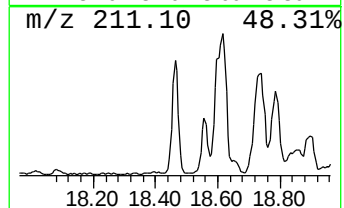
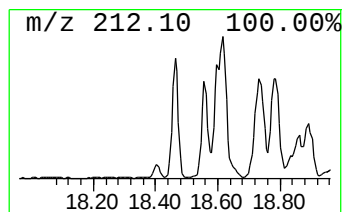
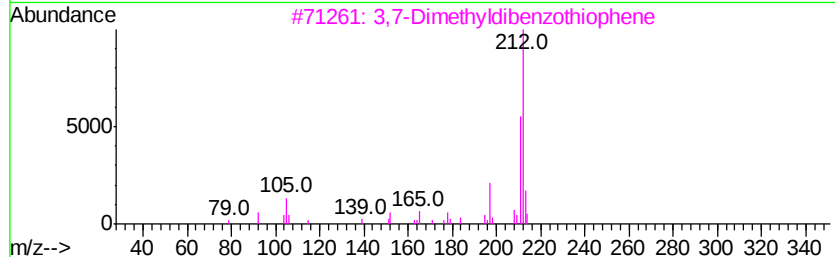
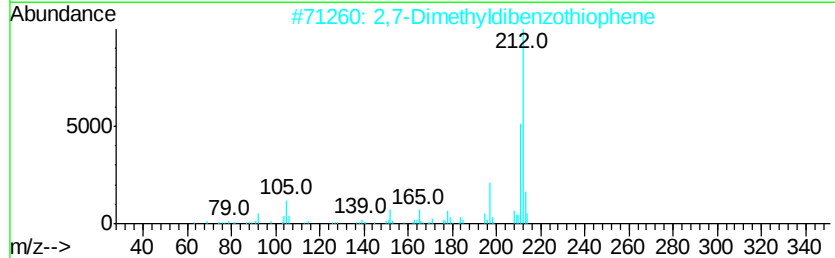
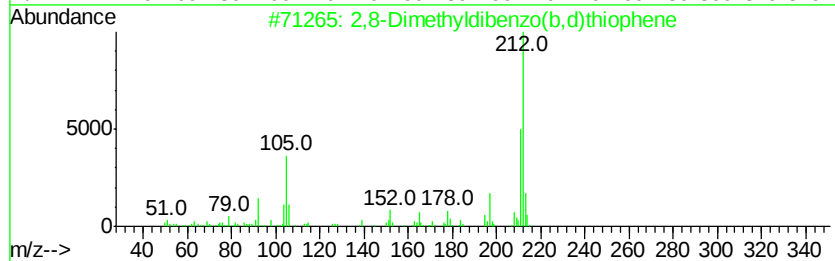
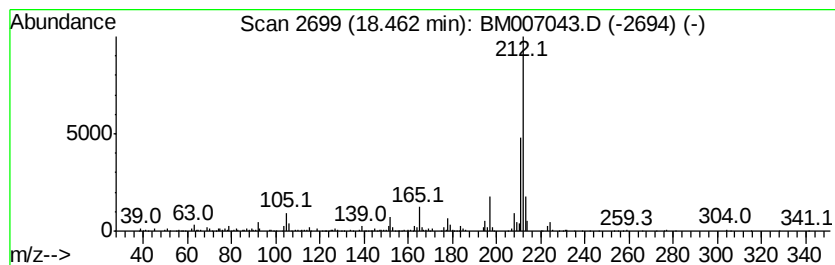
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.21 ng/ul	609312	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	95
2		2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	94
3		3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	93
4		Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	93
5		2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	91



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Data File : BM007043.D
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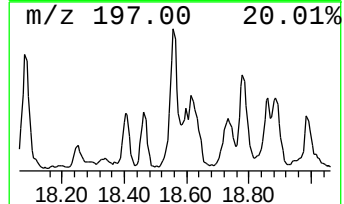
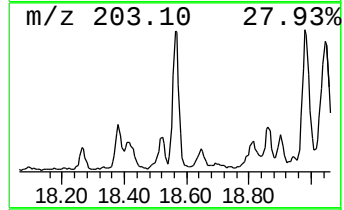
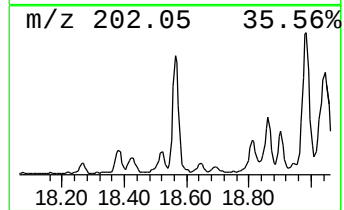
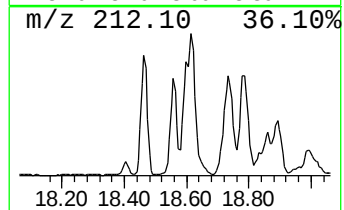
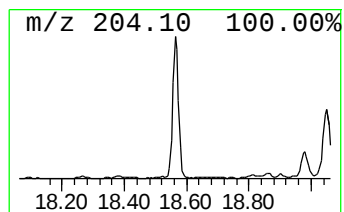
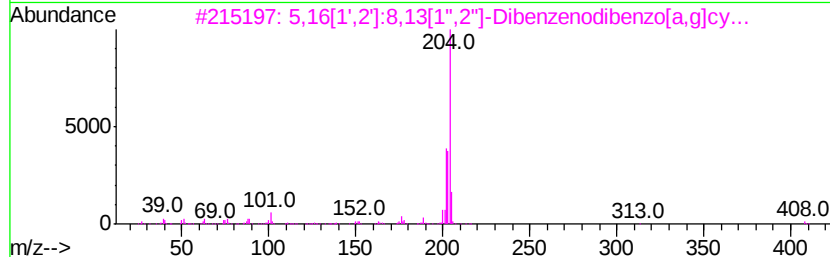
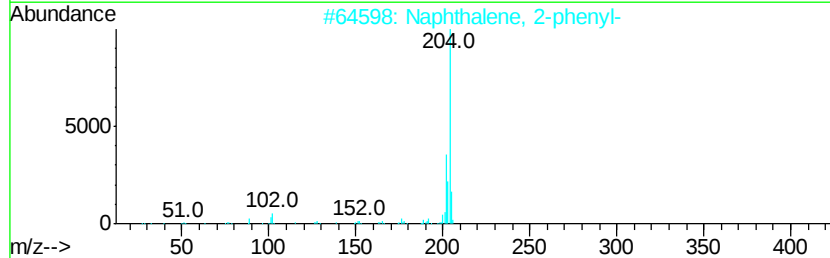
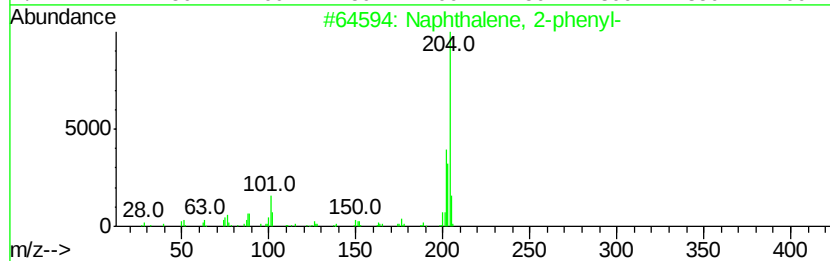
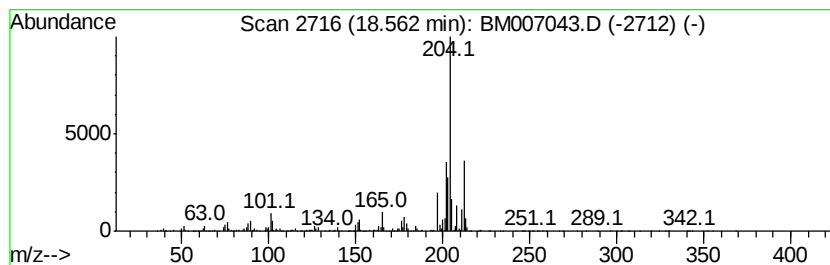
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.65 ng/ul	1008380	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
3		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
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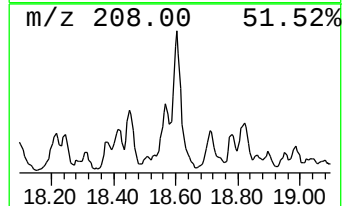
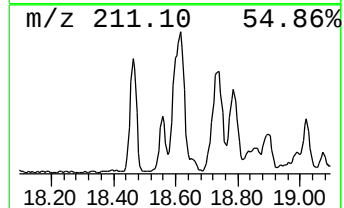
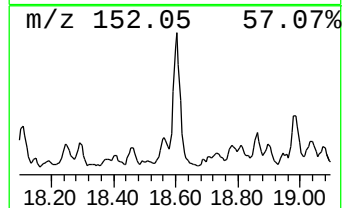
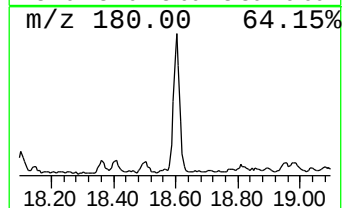
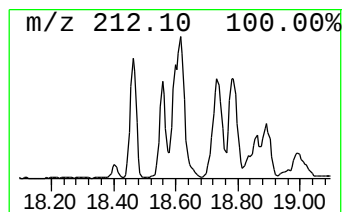
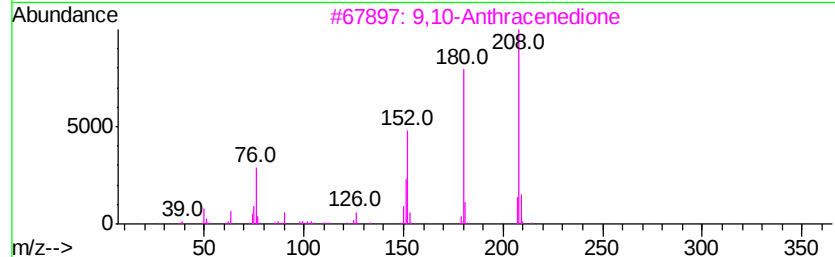
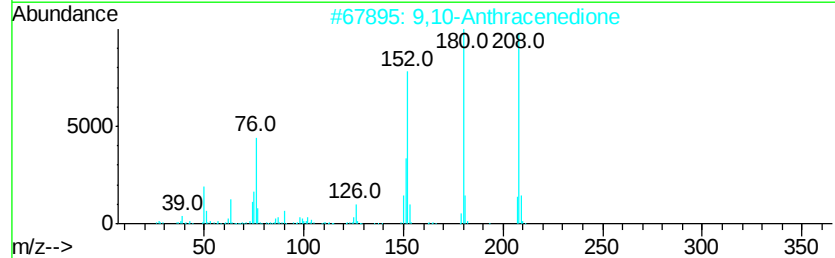
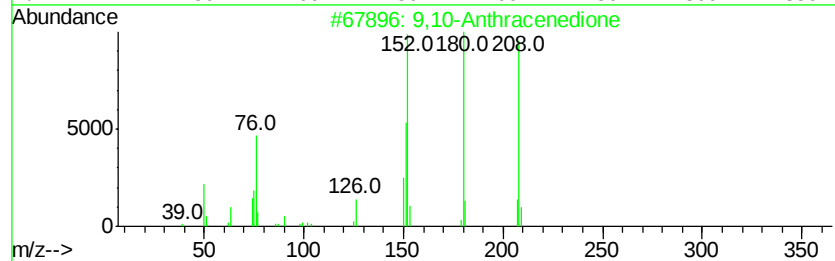
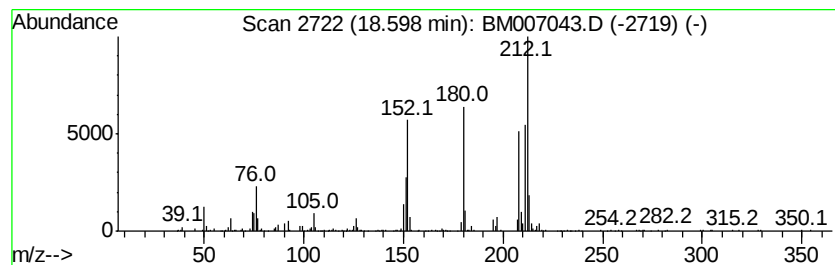
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.91 ng/ul	1632390	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4			Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	59
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
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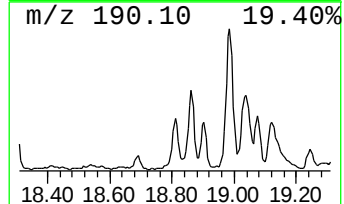
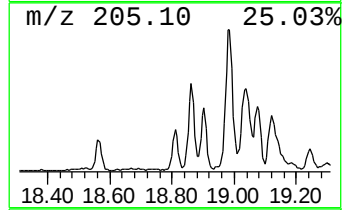
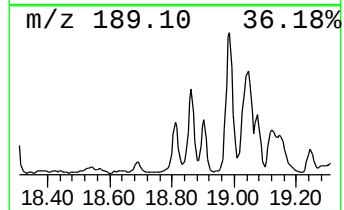
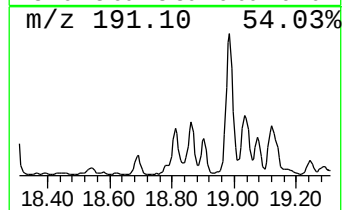
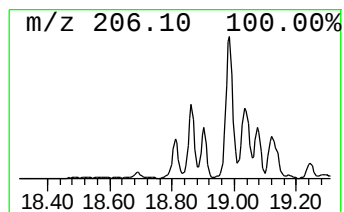
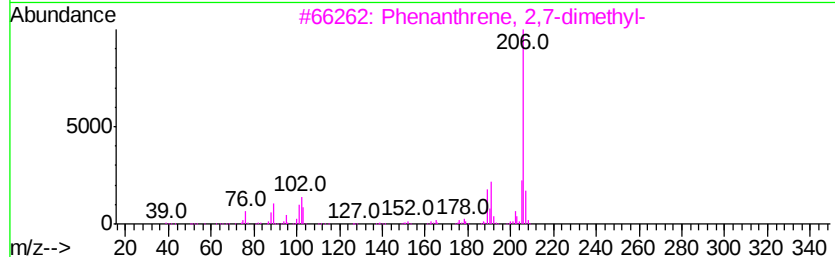
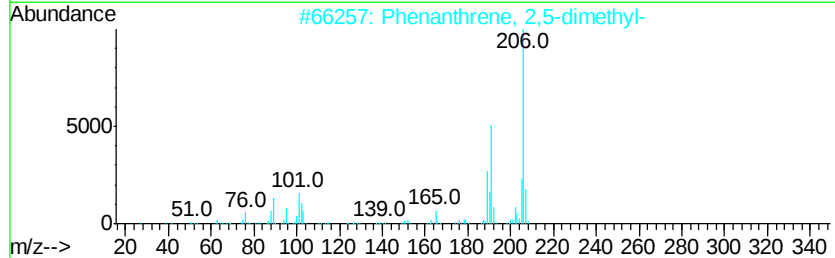
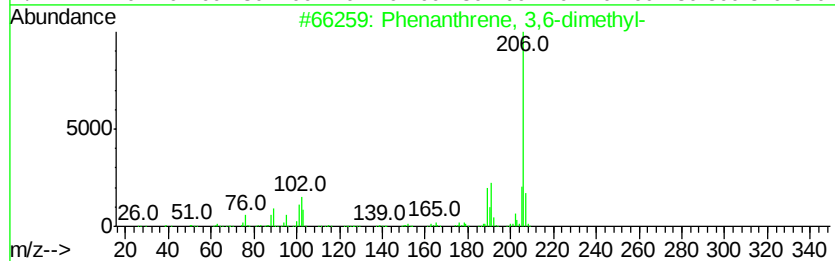
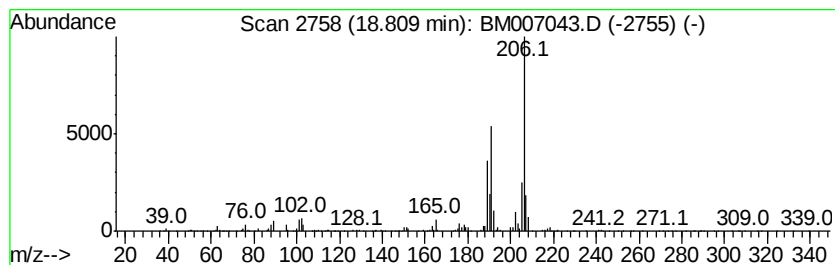
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.55 ng/ul	980555	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
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Acq On : 12 Aug 2016 14:48
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ClientSampleId :
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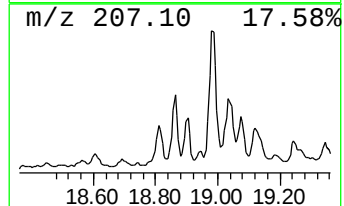
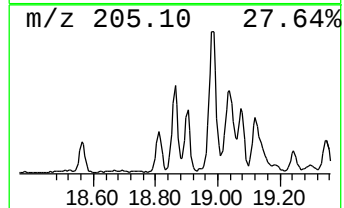
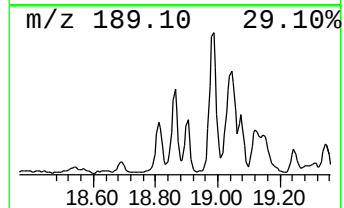
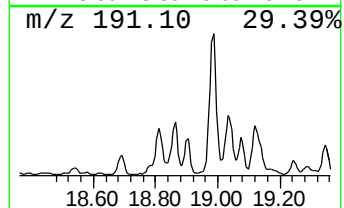
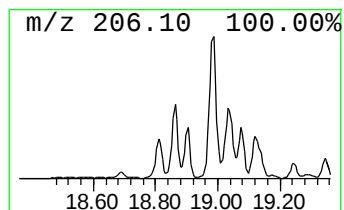
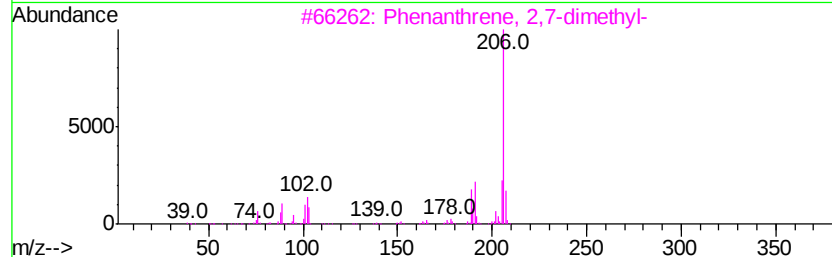
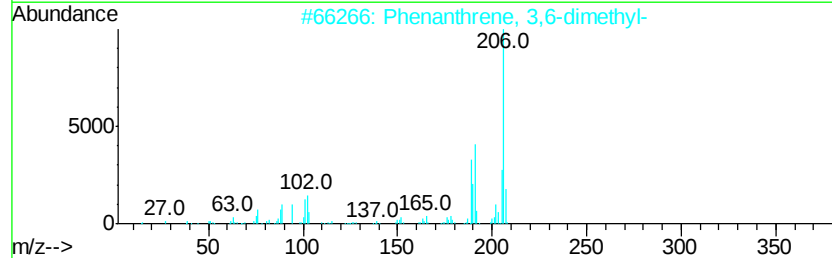
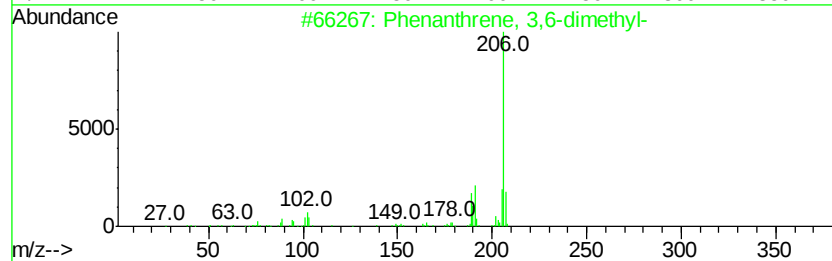
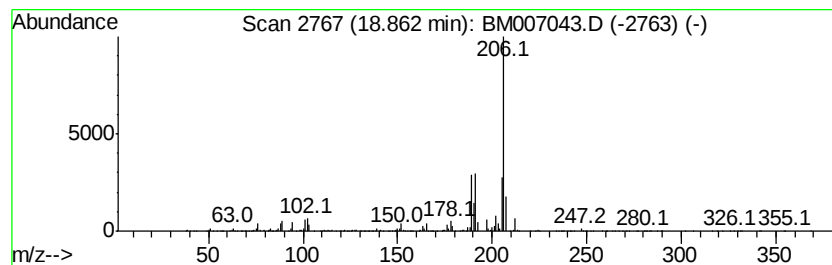
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Phenanthrene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.15 ng/ul	1422740	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

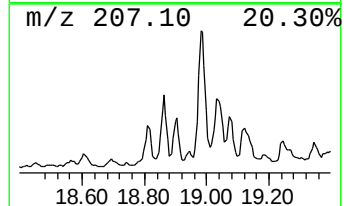
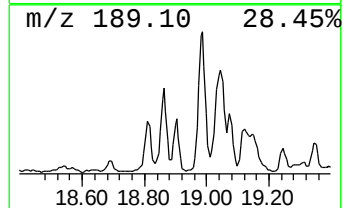
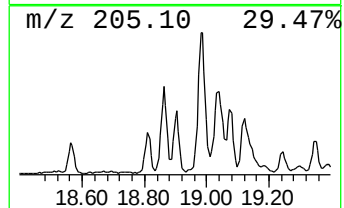
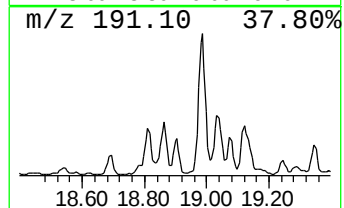
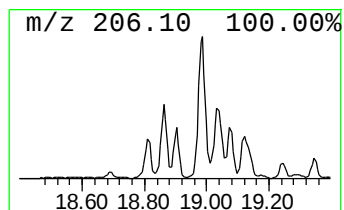
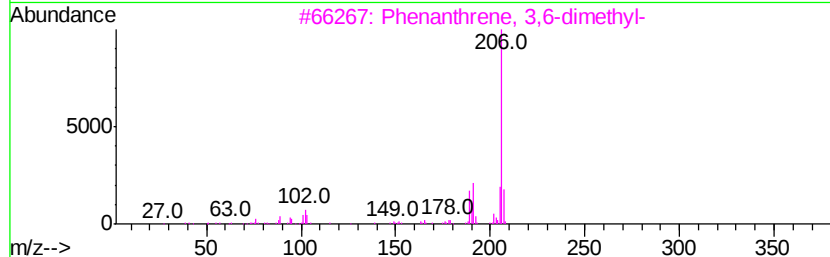
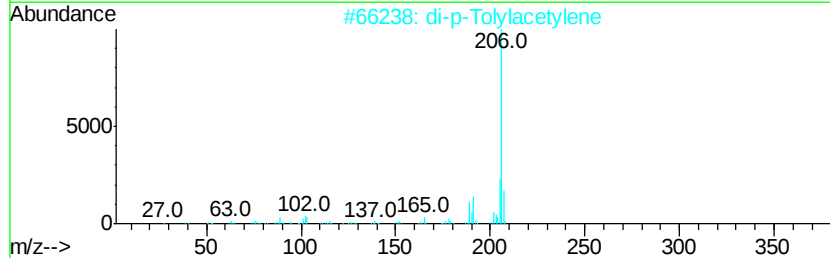
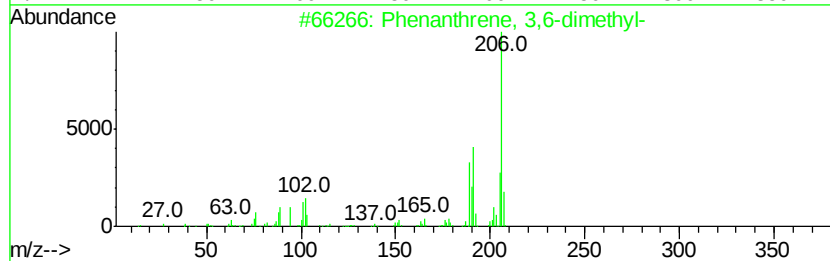
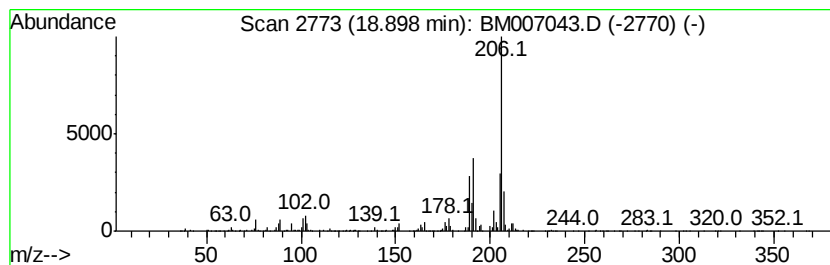
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ClientSampleId :
P003-SS002-0612-01

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.90	3.94 ng/ul	1089060	Phenanthrene-d10	17.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylne	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

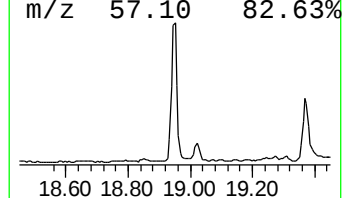
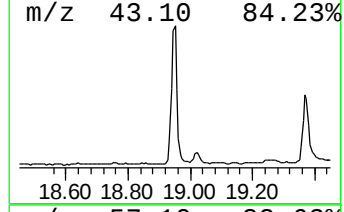
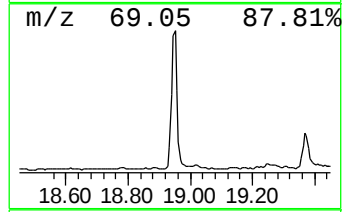
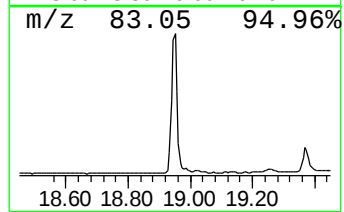
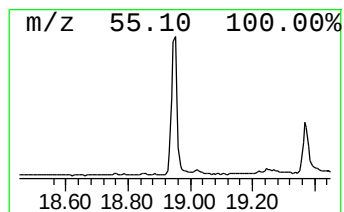
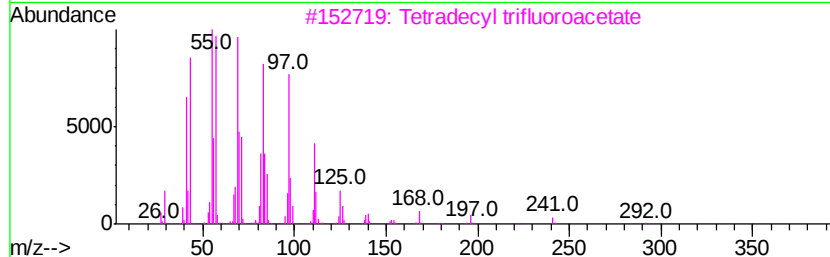
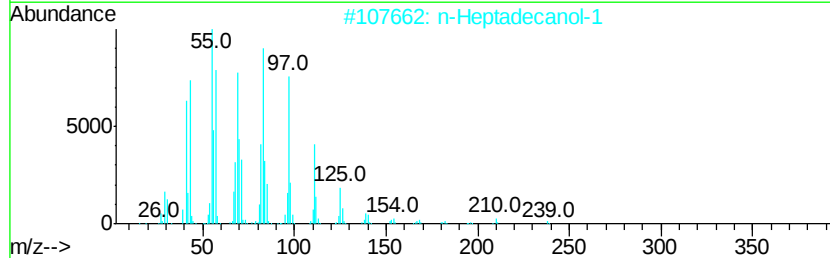
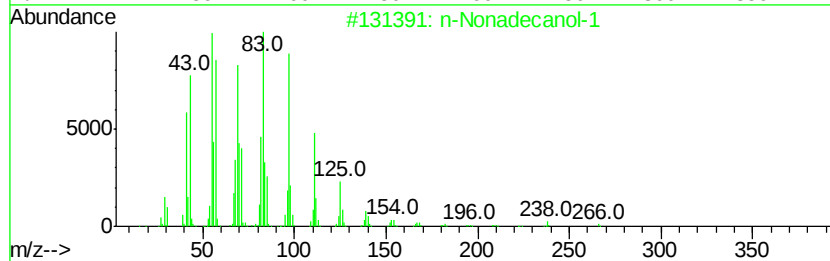
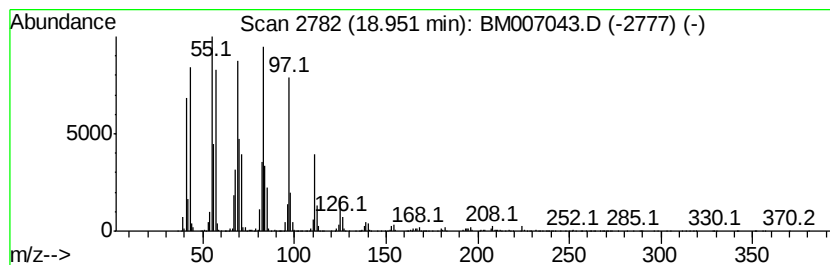
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 n-Nonadecanol-1 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.95	14.67 ng/ul	4054100	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2		n-Heptadecanol-1	256	C17H36O	001454-85-9	94
3		Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	94
4		Cyclohexadecane	224	C16H32	000295-65-8	93
5		Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS002-0612-01

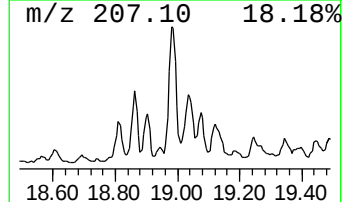
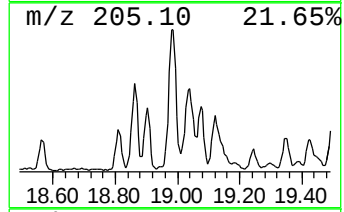
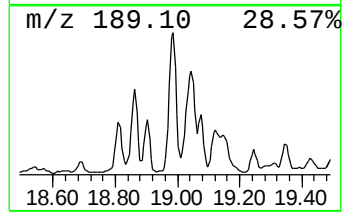
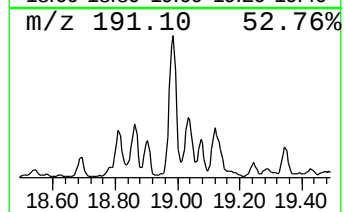
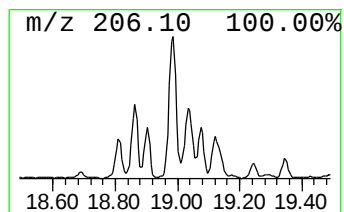
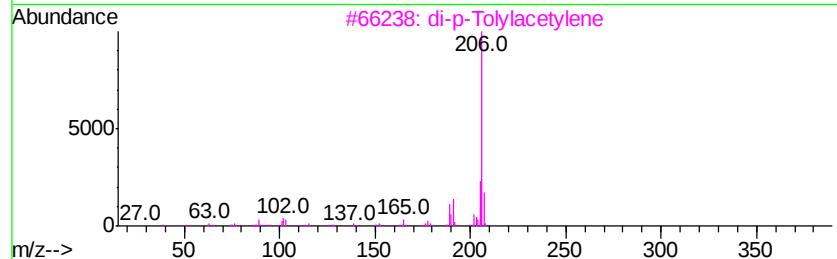
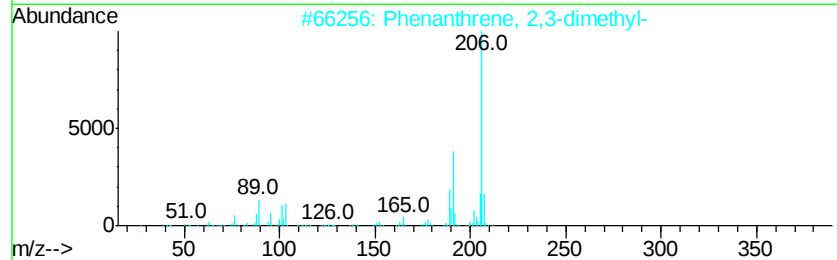
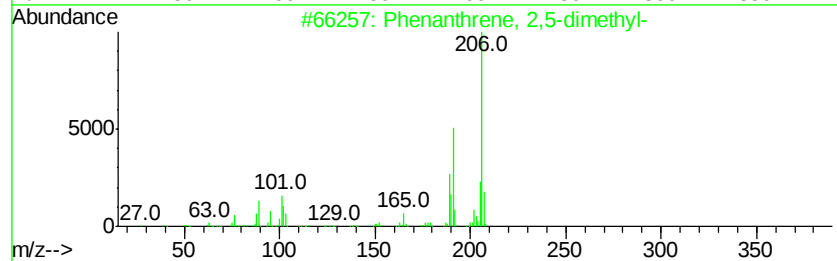
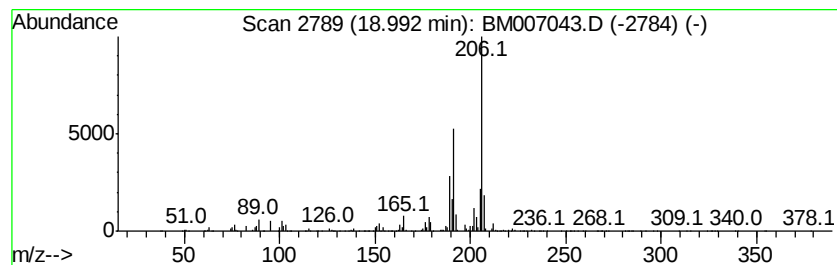
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	12.38 ng/ul	3421840	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS002-0612-01

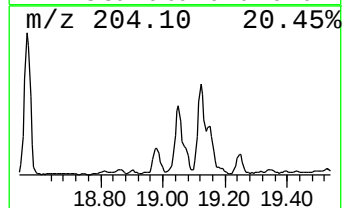
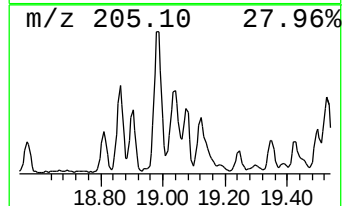
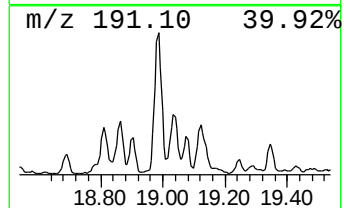
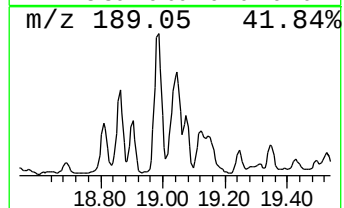
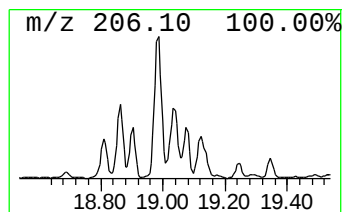
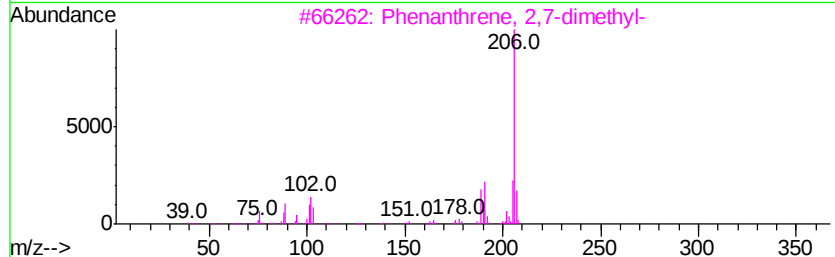
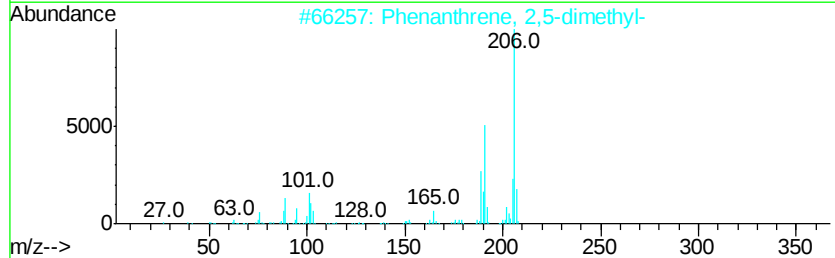
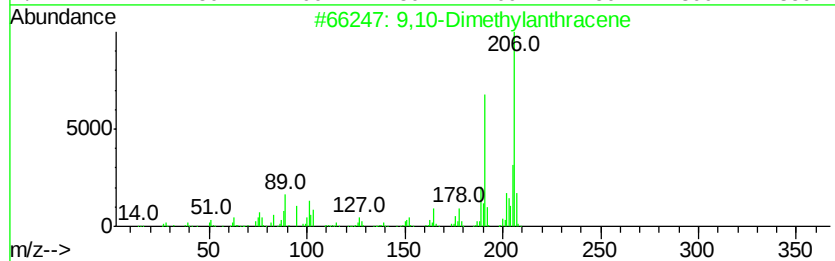
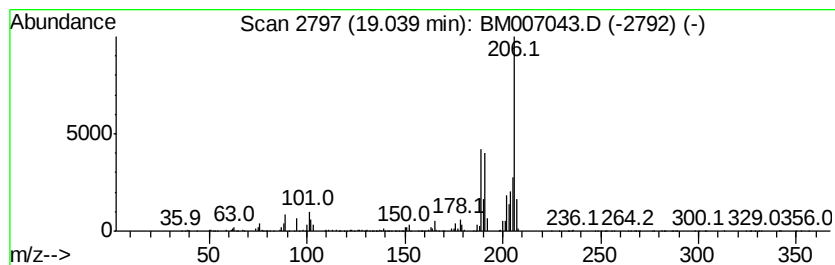
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown19.04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	7.05 ng/ul	1948740	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

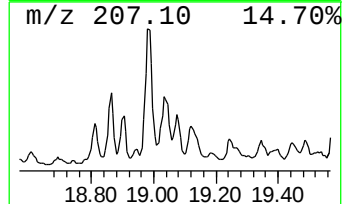
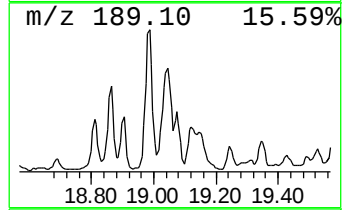
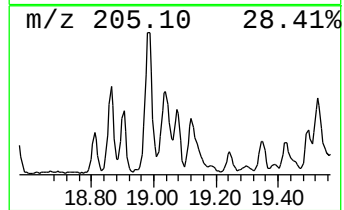
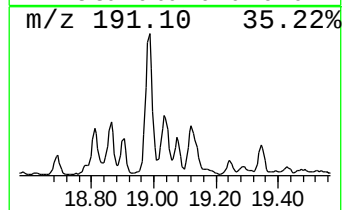
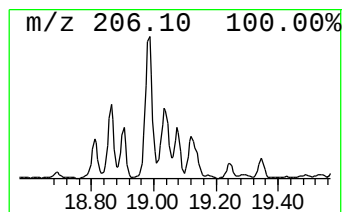
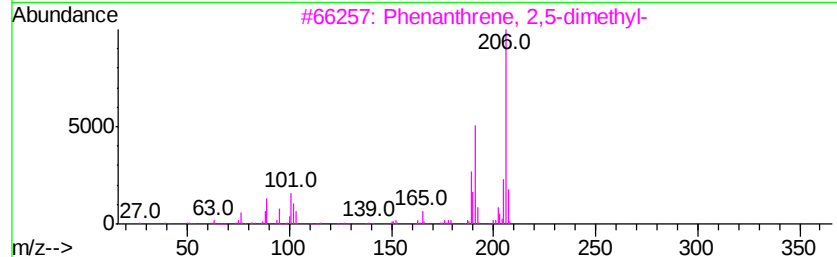
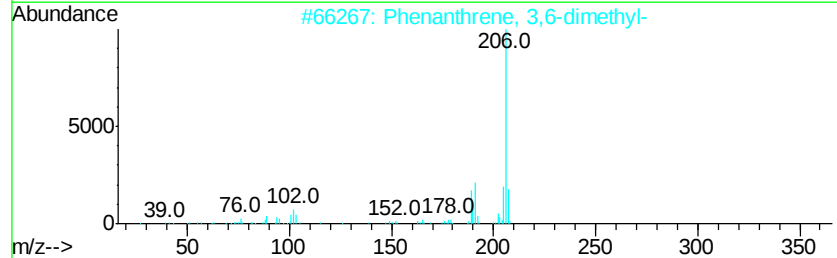
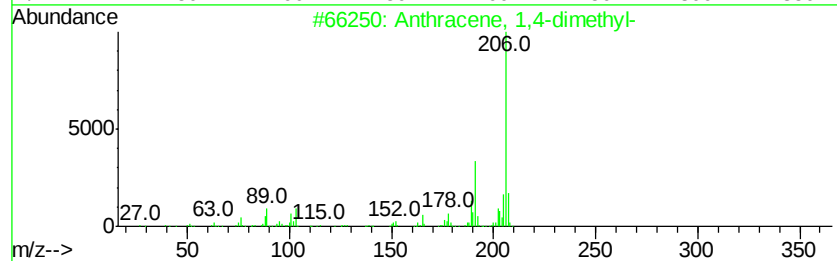
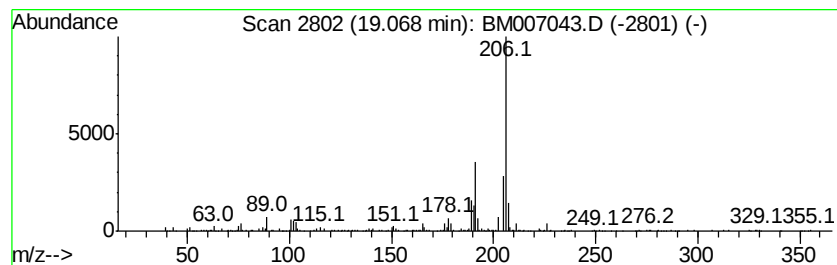
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Anthracene, 1,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	3.14 ng/ul	867897	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	87
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P003-SS002-0612-01

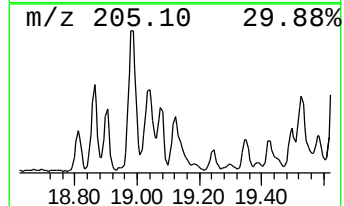
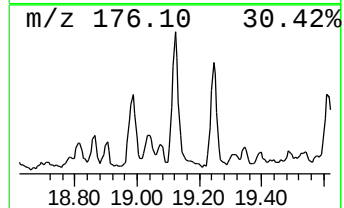
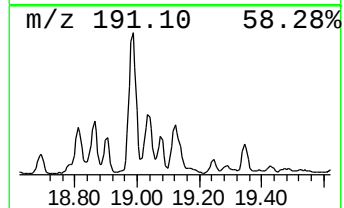
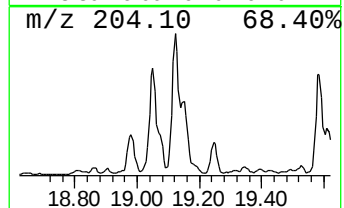
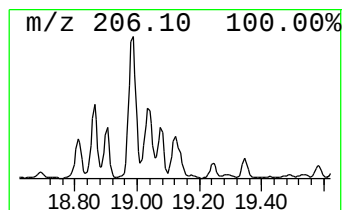
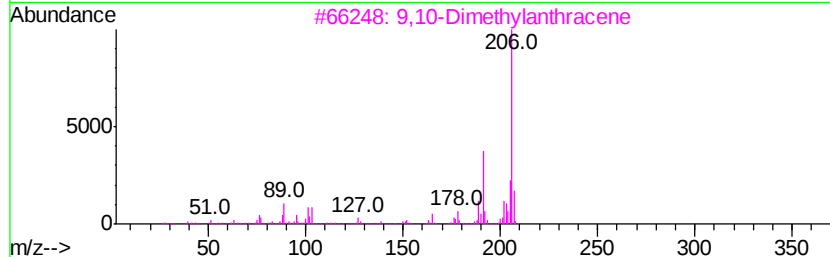
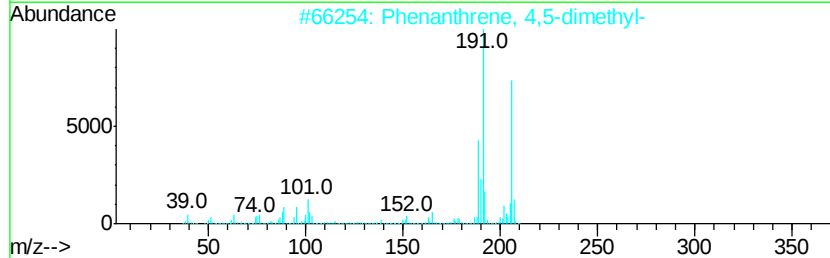
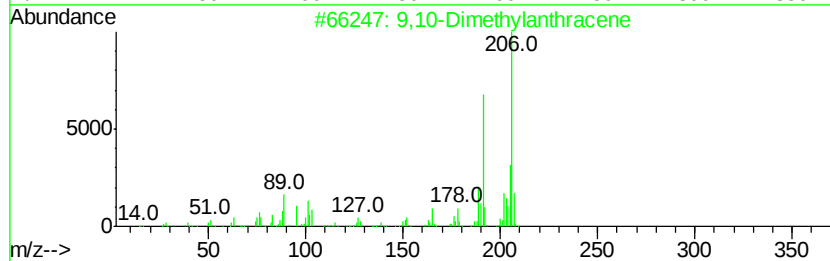
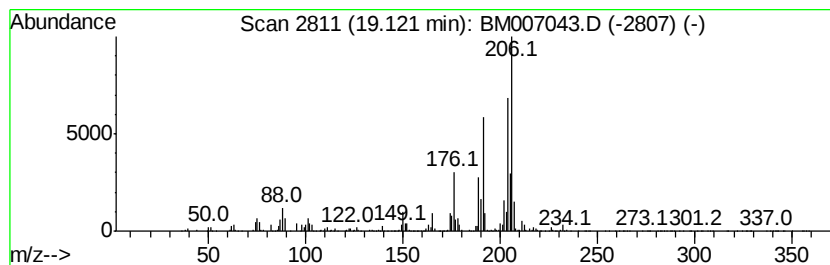
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 9,10-Dimethylantracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	7.03 ng/ul	1941510	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	92
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	83
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
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ClientSampleId :
P003-SS002-0612-01

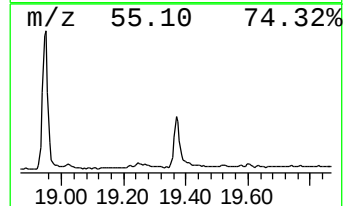
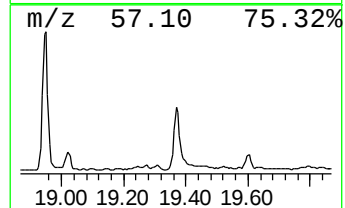
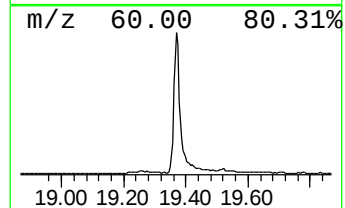
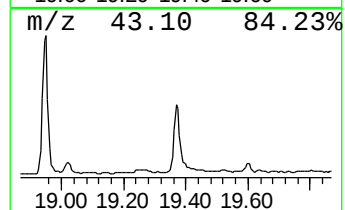
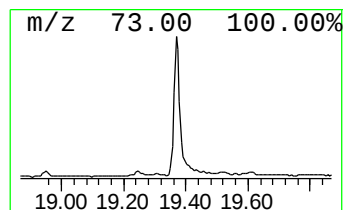
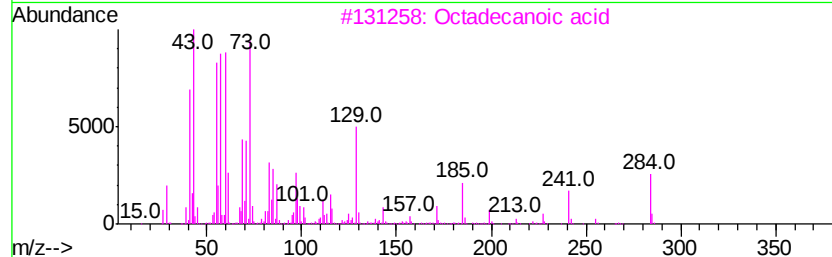
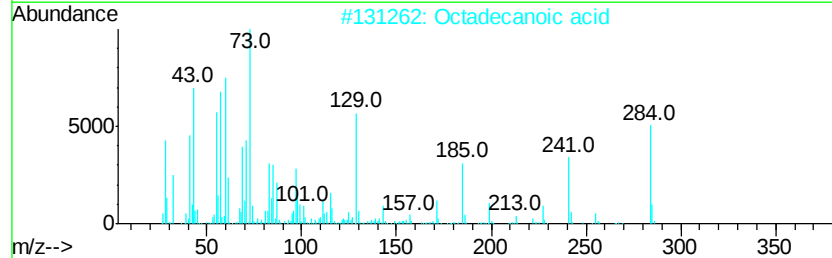
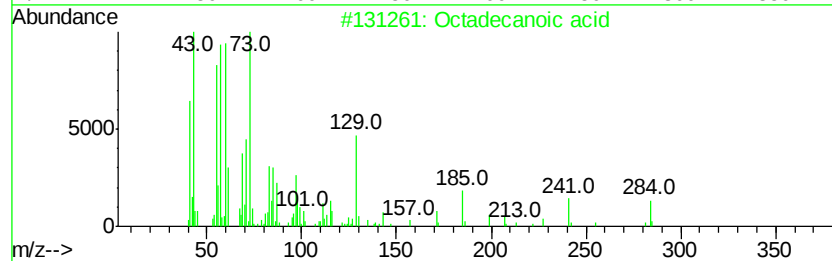
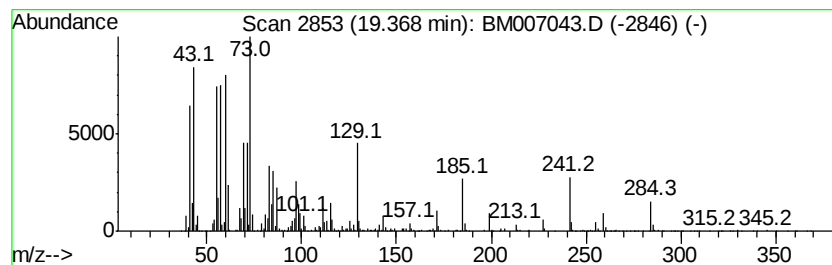
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	6.25 ng/ul	2571260	Chrysene-d12	21.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid	284	C18H36O2	000057-11-4	99
3			Octadecanoic acid	284	C18H36O2	000057-11-4	99
4			Octadecanoic acid	284	C18H36O2	000057-11-4	99
5			Octadecanoic acid	284	C18H36O2	000057-11-4	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
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ClientSampleId :
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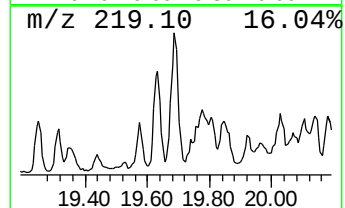
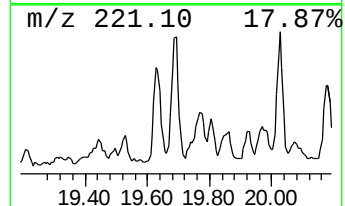
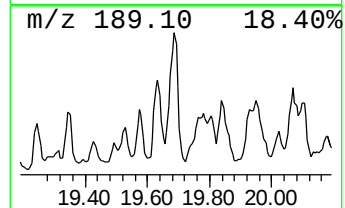
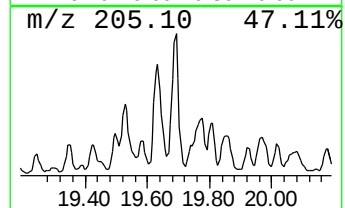
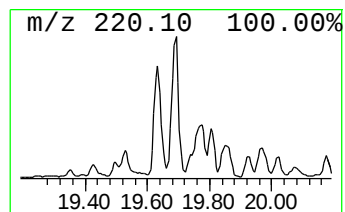
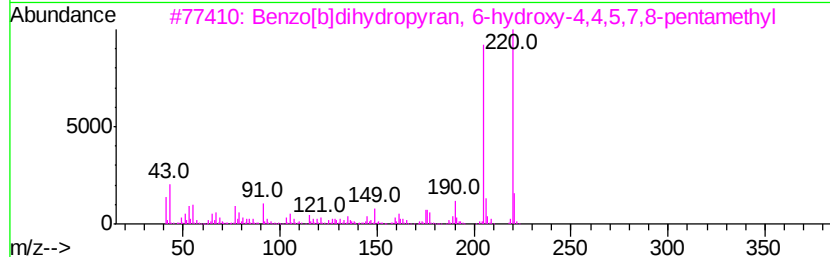
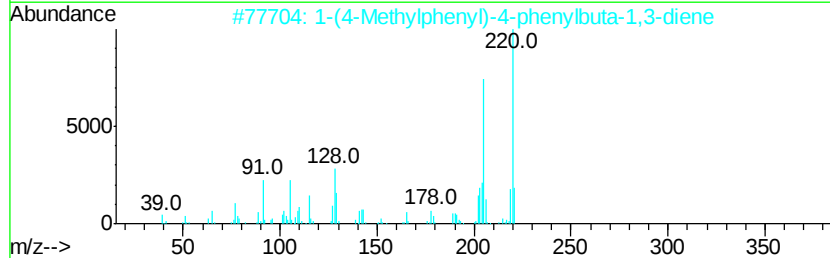
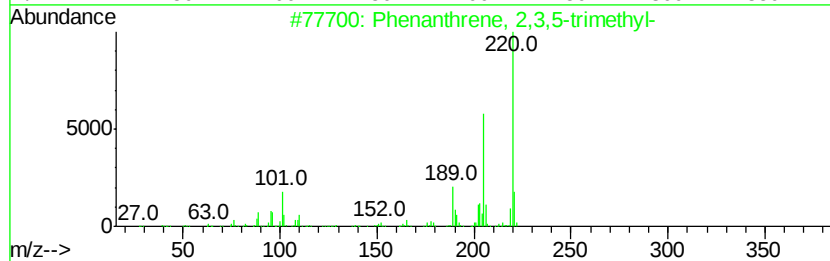
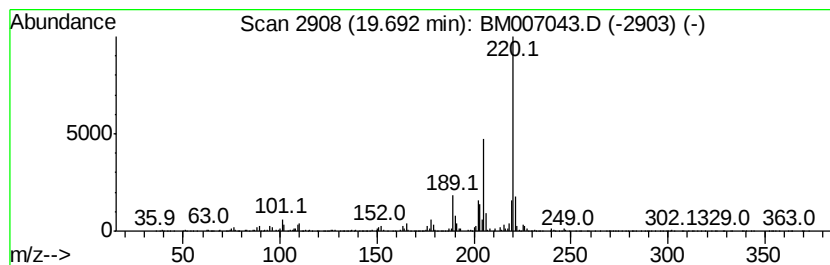
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	4.37 ng/ul	1796470	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	97
2		1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	78
3		Benzo[b]dihydopyran, 6-hydroxyv-...	220	C14H20O2	050442-70-1	59
4		Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	59
5		Benzenamine, 4-[2-oxo-2-(1-pyrro...	220	C12H16N2O2	1000327-54-6	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
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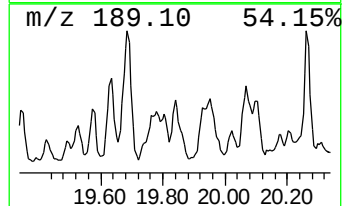
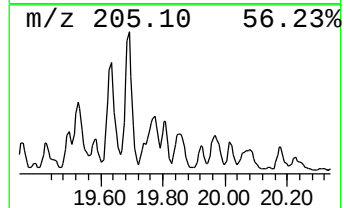
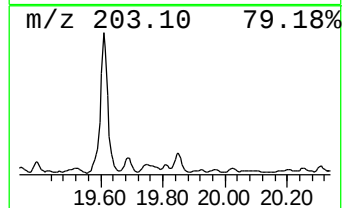
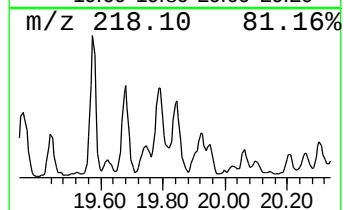
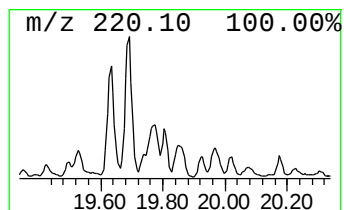
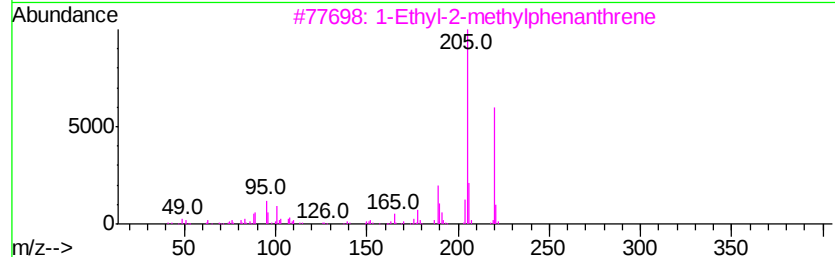
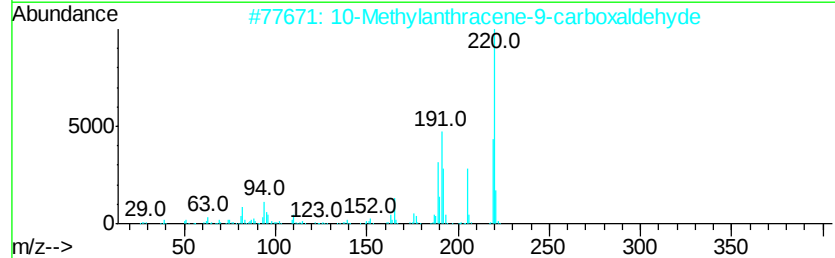
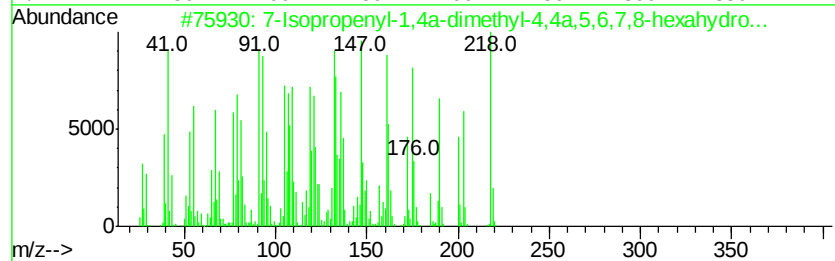
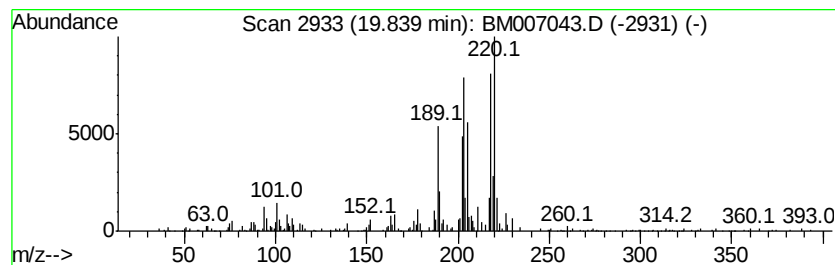
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.35 ng/ul	965493	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	70
2		10-Methylantracene-9-carboxalde...	220	C16H12O	007072-00-6	49
3		1-Ethyl-2-methylphenanthrene	220	C17H16	061983-53-7	47
4		1-(4-Methylphenyl)-4-phenylbuta...	220	C17H16	037985-11-8	38
5		Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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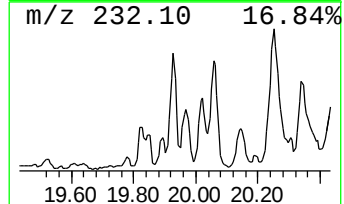
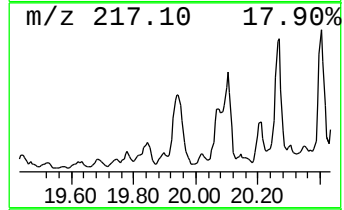
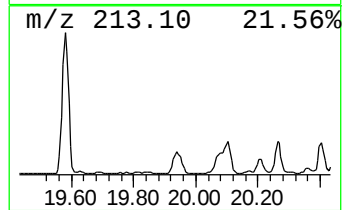
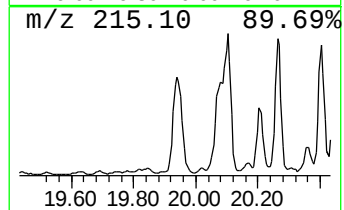
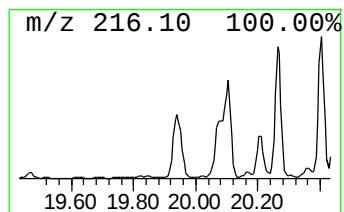
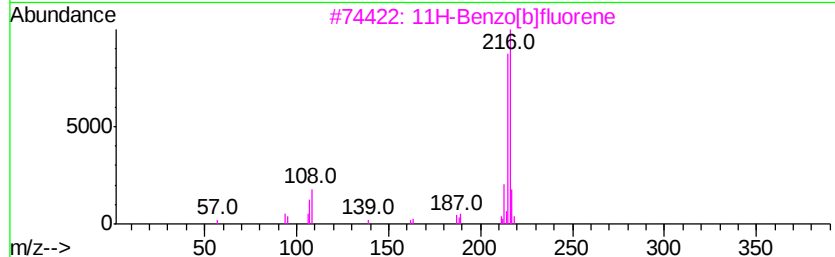
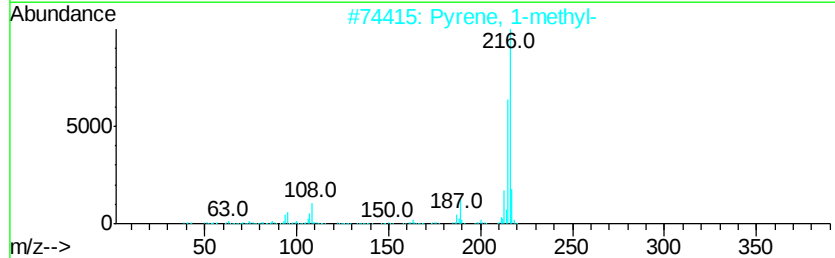
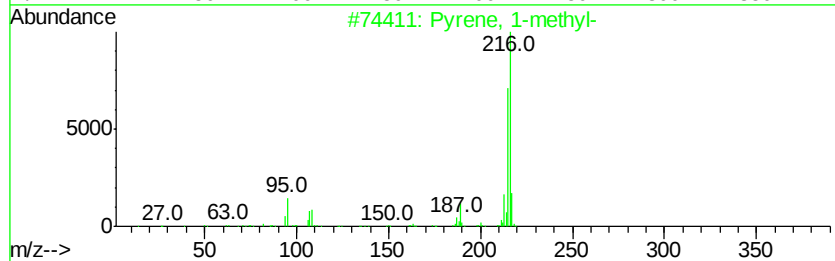
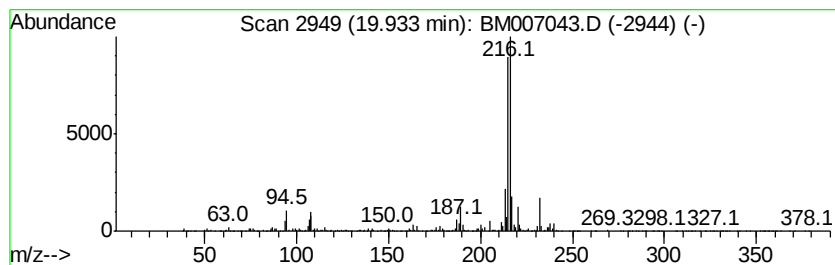
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	6.29 ng/ul	2584620	Chrysene-d12	21.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	89



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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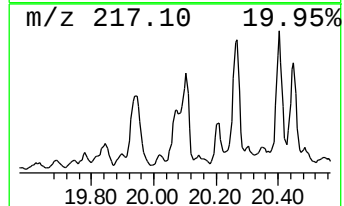
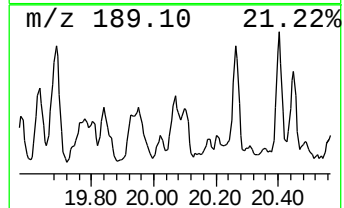
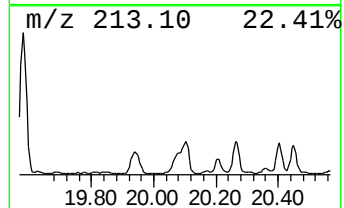
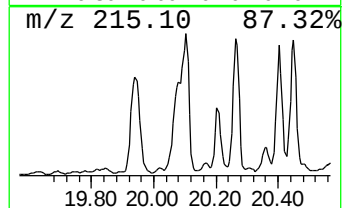
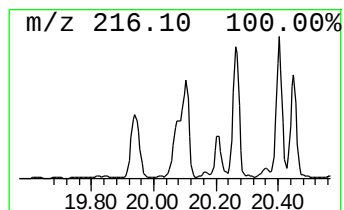
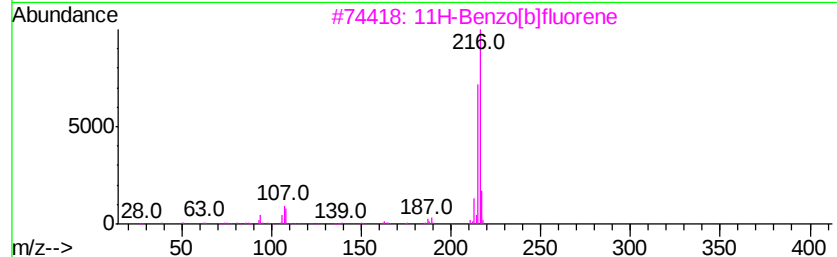
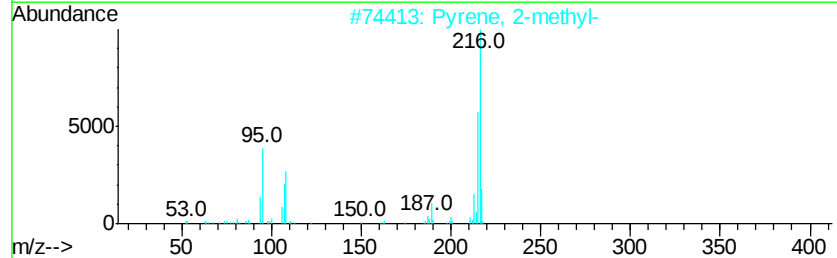
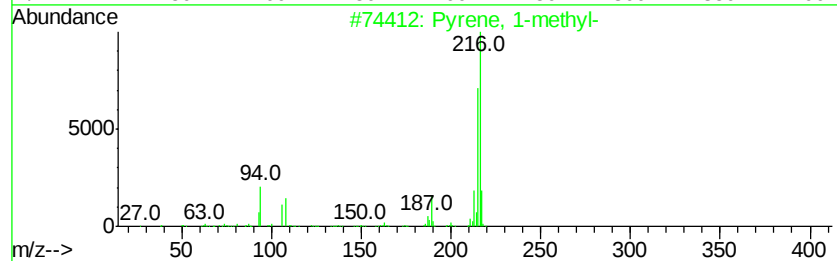
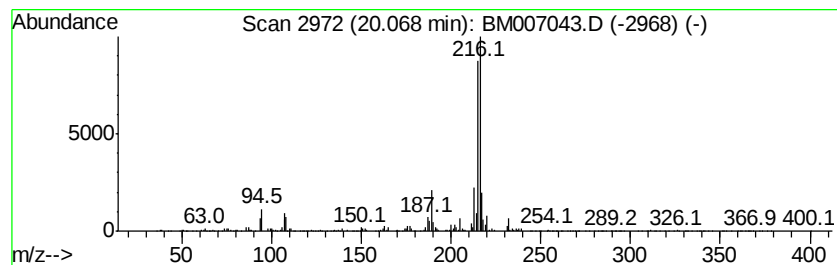
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Pyrene, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.84 ng/ul	1168720	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
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Misc :
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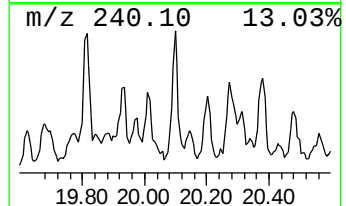
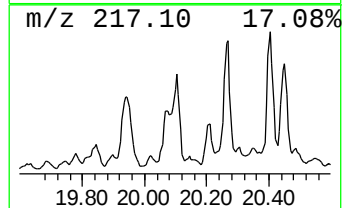
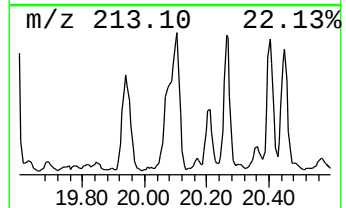
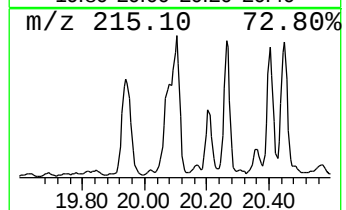
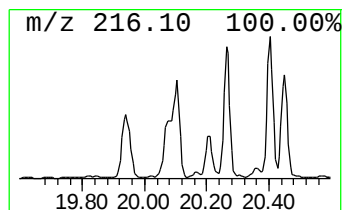
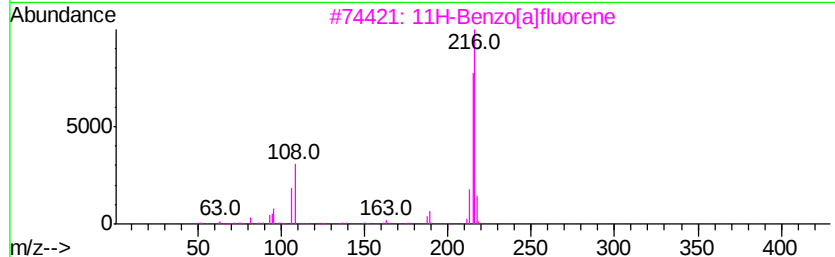
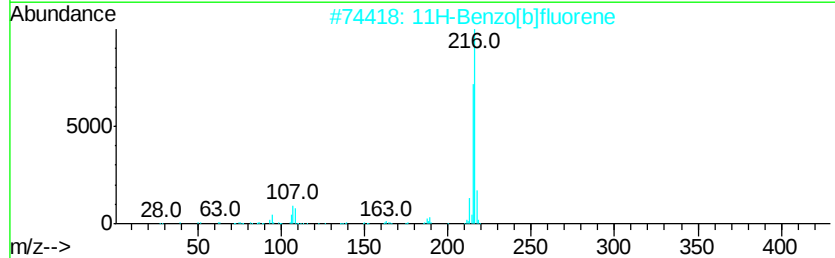
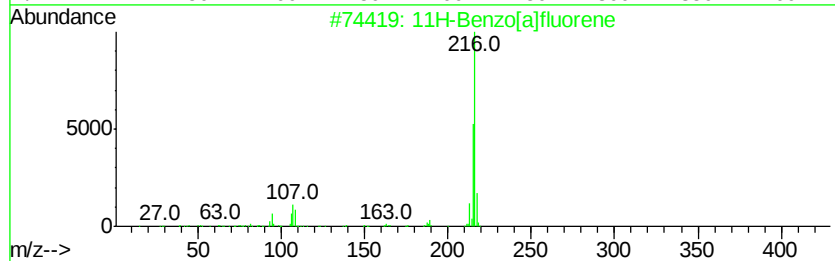
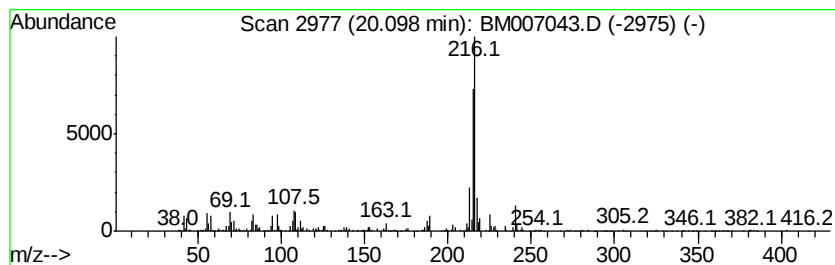
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.92 ng/ul	1611130	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	80
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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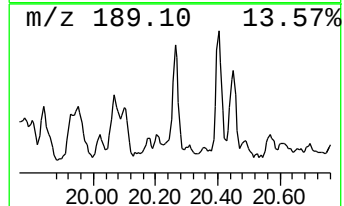
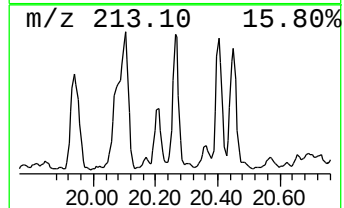
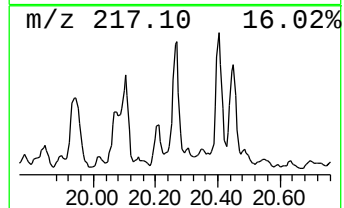
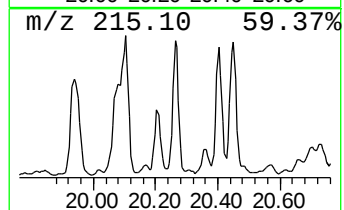
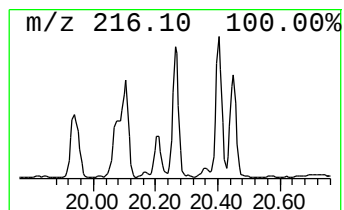
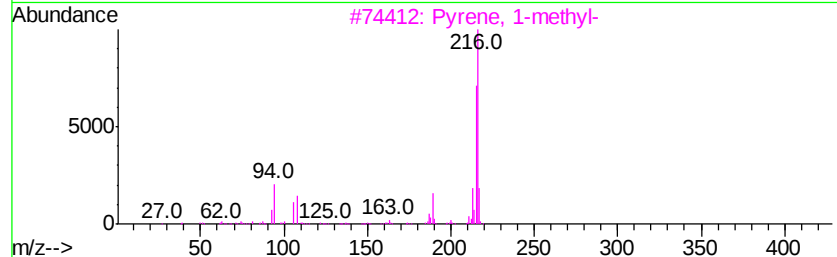
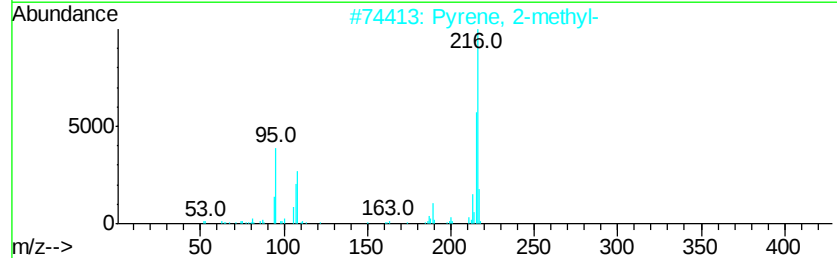
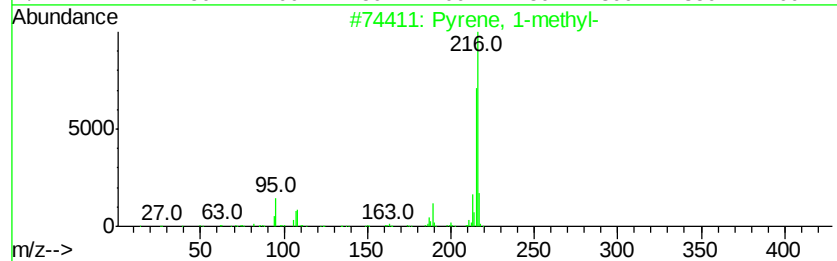
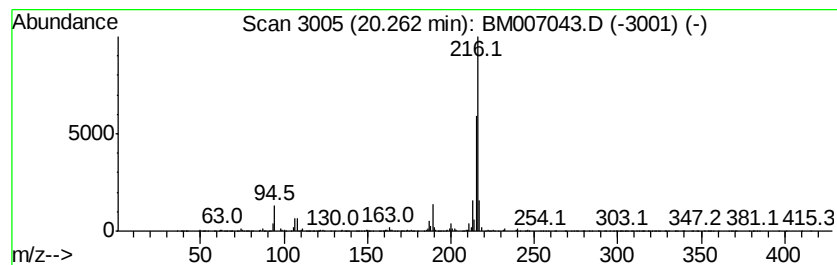
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	4.49 ng/ul	1845260	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pvrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pvrene, 2-methyl-	216	C17H12	003442-78-2	95
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	95
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	93
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007043.D
Acq On : 12 Aug 2016 14:48
Operator : UM/SJ
Sample : H4387-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS002-0612-01

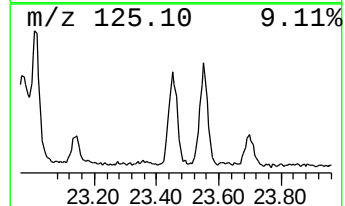
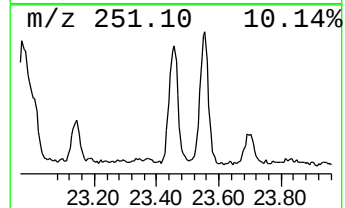
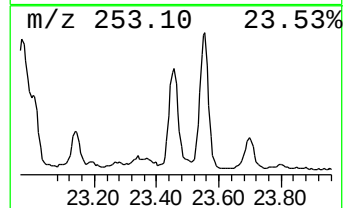
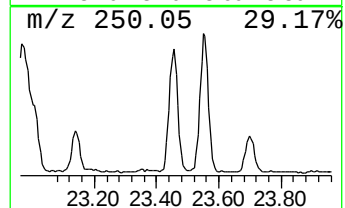
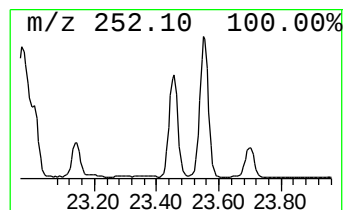
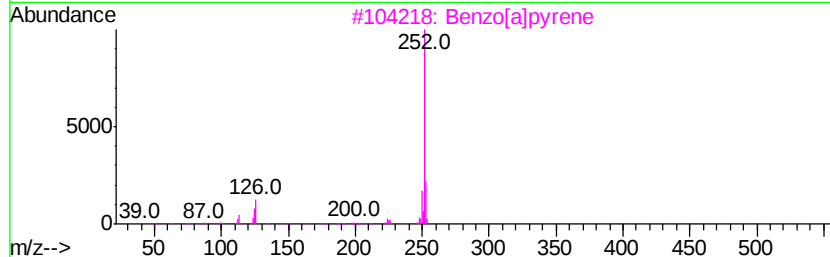
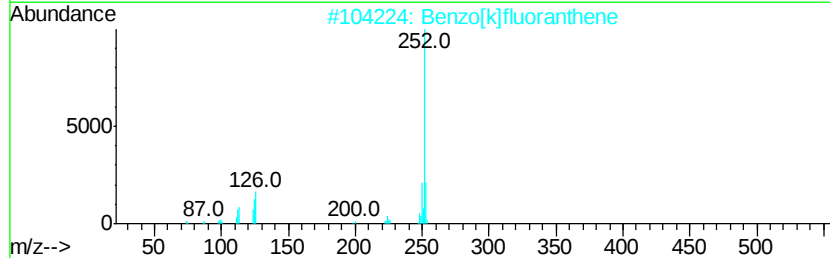
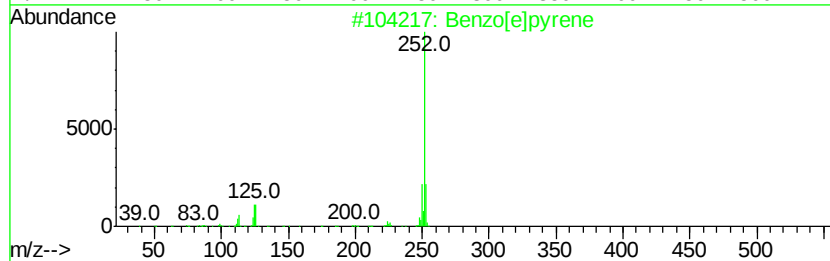
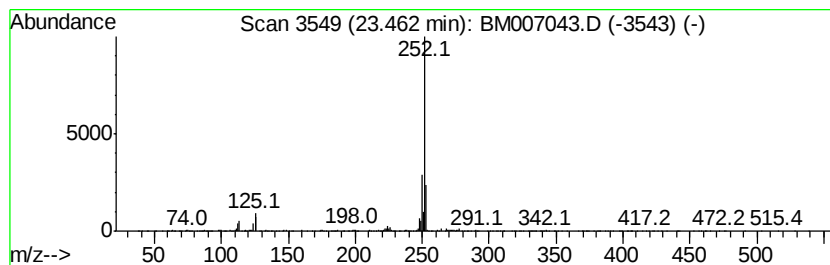
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	7.22 ng/ul	1390650	Perylene-d12	23.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	91
5		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
 Data File : BM007043.D
 Acq On : 12 Aug 2016 14:48
 Operator : UM/SJ
 Sample : H4387-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS002-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
Hexanoic acid, 2-...	9.08	2.1	ng/ul	211624	1	7.82	2001820	20.0
Naphthalene, 1,6,...	15.06	2.1	ng/ul	510658	3	14.44	4773360	20.0
1,4,5,8-Tetrameth...	16.17	3.1	ng/ul	867642	4	17.19	5526010	20.0
9H-Fluorene, 2-me...	16.50	2.0	ng/ul	554271	4	17.19	5526010	20.0
Dibenzothiophene	17.01	2.4	ng/ul	656656	4	17.19	5526010	20.0
(DEL) Alkane: Cyc...	17.57	7.2	ng/ul	1985830	4	17.19	5526010	20.0
Dibenzothiophene,...	17.77	3.6	ng/ul	1007510	4	17.19	5526010	20.0
4-Methylnaphtho[1...	17.92	2.4	ng/ul	656594	4	17.19	5526010	20.0
Phenanthrene, 1-m...	18.06	8.6	ng/ul	2379520	4	17.19	5526010	20.0
n-Hexadecanoic acid	18.09	3.3	ng/ul	907671	4	17.19	5526010	20.0
Anthracene, 1-met...	18.25	11.1	ng/ul	3051770	4	17.19	5526010	20.0
Anthracene, 2-met...	18.29	7.2	ng/ul	1984160	4	17.19	5526010	20.0
2,8-Dimethyldiben...	18.46	2.2	ng/ul	609312	4	17.19	5526010	20.0
Naphthalene, 2-ph...	18.56	3.6	ng/ul	1008380	4	17.19	5526010	20.0
9,10-Anthracenedione	18.60	5.9	ng/ul	1632390	4	17.19	5526010	20.0
Phenanthrene, 3,6...	18.81	3.5	ng/ul	980555	4	17.19	5526010	20.0
Phenanthrene, 2,7...	18.86	5.2	ng/ul	1422740	4	17.19	5526010	20.0
Phenanthrene, 1,7...	18.90	3.9	ng/ul	1089060	4	17.19	5526010	20.0
n-Nonadecanol-1	18.95	14.7	ng/ul	4054100	4	17.19	5526010	20.0
Phenanthrene, 2,5...	18.99	12.4	ng/ul	3421840	4	17.19	5526010	20.0
unknown19.04	19.04	7.0	ng/ul	1948740	4	17.19	5526010	20.0
Anthracene, 1,4-d...	19.07	3.1	ng/ul	867897	4	17.19	5526010	20.0
9,10-Dimethylanthe...	19.12	7.0	ng/ul	1941510	4	17.19	5526010	20.0
Octadecanoic acid	19.37	6.3	ng/ul	2571260	5	21.37	8223170	20.0
Phenanthrene, 2,3...	19.69	4.4	ng/ul	1796470	5	21.37	8223170	20.0
7-Isopropenyl-1,4...	19.84	2.4	ng/ul	965493	5	21.37	8223170	20.0
Pyrene, 1-methyl-	19.93	6.3	ng/ul	2584620	5	21.37	8223170	20.0
Pyrene, 2-methyl-	20.07	2.8	ng/ul	1168720	5	21.37	8223170	20.0
11H-Benzo[a]fluorene	20.10	3.9	ng/ul	1611130	5	21.37	8223170	20.0
Fluoranthene, 2-m...	20.26	4.5	ng/ul	1845260	5	21.37	8223170	20.0
Benzo[e]pyrene	23.46	7.2	ng/ul	1390650	6	23.65	3854860	20.0