

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023650.D
 Acq On : 12 Aug 2016 11:10
 Operator : UM/SJ
 Sample : H4384-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS001-2430-01

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 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: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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	7.278	750	756	767	rBV	618931	1136927	12.57%	0.696%
2	7.443	777	784	792	rVB	462587	793107	8.77%	0.486%
3	7.654	810	820	828	rBV	614144	1067612	11.80%	0.654%
4	8.124	893	900	913	rBV	575675	1022788	11.31%	0.626%
5	8.841	1013	1022	1032	rBV	893280	1584705	17.52%	0.970%
6	9.305	1093	1101	1108	rBV	670452	1200913	13.28%	0.735%
7	10.033	1217	1225	1236	rBV	838123	1516429	16.76%	0.929%
8	10.580	1311	1318	1331	rBV	1050933	1970350	21.78%	1.206%
9	10.962	1375	1383	1389	rBV	1033409	1879078	20.77%	1.151%
10	11.097	1399	1406	1421	rBV	617000	1249748	13.82%	0.765%
11	13.963	1882	1894	1901	rBV6	97467	274556	3.04%	0.168%
12	14.110	1911	1919	1924	rBV2	244362	433175	4.79%	0.265%
13	14.187	1924	1932	1936	rVV	1847096	3009912	33.28%	1.843%
14	14.234	1936	1940	1947	rVB	1738628	2614334	28.90%	1.601%
15	14.486	1976	1983	1998	rBV2	2019791	3859394	42.67%	2.363%
16	14.792	2024	2035	2042	rBV2	1759735	3021621	33.40%	1.850%
17	15.009	2064	2072	2082	rBV2	735663	1530246	16.92%	0.937%
18	15.185	2092	2102	2110	rBV3	208160	446132	4.93%	0.273%
19	15.262	2110	2115	2121	rVB	232408	350594	3.88%	0.215%
20	15.409	2133	2140	2144	rBV4	191016	398069	4.40%	0.244%
21	15.567	2162	2167	2172	rVV3	150672	334684	3.70%	0.205%
22	15.614	2172	2175	2179	rVB2	195764	249130	2.75%	0.153%
23	15.790	2199	2205	2210	rVB	2740288	4073716	45.04%	2.494%
24	15.843	2210	2214	2223	rVB3	243197	494446	5.47%	0.303%
25	15.926	2223	2228	2233	rBV2	227264	408539	4.52%	0.250%
26	16.131	2256	2263	2271	rVB4	123296	305572	3.38%	0.187%
27	16.284	2285	2289	2297	rVB2	140383	259172	2.87%	0.159%
28	16.478	2318	2322	2325	rBV	190254	279682	3.09%	0.171%
29	16.513	2325	2328	2338	rVB5	228717	425083	4.70%	0.260%
30	16.654	2347	2352	2357	rBV4	117253	251252	2.78%	0.154%
31	16.854	2377	2386	2390	rBV4	273079	646916	7.15%	0.396%
32	16.901	2390	2394	2399	rVB3	194531	303921	3.36%	0.186%
33	17.001	2407	2411	2416	rVB3	173720	257442	2.85%	0.158%
34	17.083	2418	2425	2428	rBV6	135006	281262	3.11%	0.172%

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35	17.206	2442	2446	2453	rBV2	197574	365394	4.04%	0.224%
36	17.282	2454	2459	2464	rVV2	271424	456919	5.05%	0.280%
37	17.376	2470	2475	2482	rVB	337901	549482	6.07%	0.336%
38	17.559	2500	2506	2509	rBV	2407671	3658882	40.45%	2.240%
39	17.600	2509	2513	2518	rVB	3226372	4736132	52.36%	2.900%
40	17.658	2518	2523	2527	rBV	2983429	4398683	48.63%	2.693%
41	17.747	2533	2538	2543	rVB4	214653	420410	4.65%	0.257%
42	17.829	2548	2552	2557	rBV6	115090	248784	2.75%	0.152%
43	17.917	2563	2567	2571	rBV4	254079	409286	4.52%	0.251%
44	18.023	2582	2585	2590	rVB3	209881	310775	3.44%	0.190%
45	18.076	2590	2594	2598	rBV	200027	277549	3.07%	0.170%
46	18.140	2601	2605	2612	rVB2	574763	870910	9.63%	0.533%
47	18.293	2625	2631	2638	rVB	338567	653284	7.22%	0.400%
48	18.363	2638	2643	2648	rBV3	172318	323189	3.57%	0.198%
49	18.434	2650	2655	2660	rVV	2076375	3566734	39.43%	2.184%
50	18.487	2660	2664	2670	rVB	2251321	3261785	36.06%	1.997%
51	18.569	2673	2678	2682	rVV2	352049	563577	6.23%	0.345%
52	18.628	2682	2688	2692	rVV2	1826805	3580970	39.59%	2.193%
53	18.669	2692	2695	2700	rVB	1407412	1891512	20.91%	1.158%
54	18.827	2718	2722	2727	rVB3	297319	466446	5.16%	0.286%
55	18.927	2735	2739	2743	rBV2	834881	1252929	13.85%	0.767%
56	18.986	2743	2749	2757	rVB2	767025	1535840	16.98%	0.940%
57	19.057	2757	2761	2763	rBV	145568	215435	2.38%	0.132%
58	19.174	2773	2781	2785	rBV2	704975	1404628	15.53%	0.860%
59	19.227	2786	2790	2793	rVV	1019274	1310279	14.49%	0.802%
60	19.268	2793	2797	2801	rVB2	633178	823775	9.11%	0.504%
61	19.344	2805	2810	2815	rBV	2143667	3471220	38.38%	2.125%
62	19.403	2815	2820	2824	rVV2	816233	1795467	19.85%	1.099%
63	19.438	2824	2826	2830	rVB	676538	761992	8.42%	0.467%
64	19.497	2830	2836	2848	rBV4	854470	2399308	26.52%	1.469%
65	19.615	2851	2856	2862	rVB	5014614	7535941	83.31%	4.614%
66	19.673	2862	2866	2868	rBV	433129	625996	6.92%	0.383%
67	19.703	2868	2871	2877	rVB2	740187	1158115	12.80%	0.709%
68	19.767	2878	2882	2886	rBV	478412	668082	7.39%	0.409%
69	19.855	2893	2897	2900	rBV2	344459	538086	5.95%	0.329%
70	19.949	2908	2913	2915	rBV2	3207108	4763463	52.66%	2.917%
71	19.985	2915	2919	2925	rVB	5740064	9045493	100.00%	5.539%

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72	20.043	2925	2929	2935	rVB	1065678	1633571	18.06%	1.000%
73	20.132	2935	2944	2946	rBV2	377901	1069408	11.82%	0.655%
74	20.161	2947	2949	2953	rVB4	418270	457779	5.06%	0.280%
75	20.208	2953	2957	2964	rVB3	467209	842931	9.32%	0.516%
76	20.308	2966	2974	2981	rBV5	841028	2376798	26.28%	1.455%
77	20.466	2991	3001	3007	rVB	1294236	3506137	38.76%	2.147%
78	20.566	3015	3018	3023	rVV2	593020	820029	9.07%	0.502%
79	20.631	3024	3029	3033	rVB	1243332	1728452	19.11%	1.058%
80	20.772	3048	3053	3057	rBV	1197687	1705642	18.86%	1.044%
81	20.819	3057	3061	3064	rVV	802302	1114583	12.32%	0.682%
82	21.030	3094	3097	3100	rBV4	177033	286563	3.17%	0.175%
83	21.248	3131	3134	3142	rVB	749087	1282599	14.18%	0.785%
84	21.348	3148	3151	3157	rVB	329872	508923	5.63%	0.312%
85	21.447	3158	3168	3171	rBV4	757273	1879667	20.78%	1.151%
86	21.489	3171	3175	3179	rVB2	575349	873980	9.66%	0.535%
87	21.541	3180	3184	3189	rBV3	378596	654967	7.24%	0.401%
88	21.735	3214	3217	3224	rVB2	417202	586276	6.48%	0.359%
89	21.870	3233	3240	3247	rBV2	2841995	8007089	88.52%	4.903%
90	21.935	3247	3251	3263	rVB	2394795	4284701	47.37%	2.624%
91	22.041	3265	3269	3274	rVB4	257015	477475	5.28%	0.292%
92	22.170	3287	3291	3302	rVB8	371749	826469	9.14%	0.506%
93	22.652	3364	3373	3379	rBV	805142	1974035	21.82%	1.209%
94	22.728	3382	3386	3392	rVB	475681	883985	9.77%	0.541%
95	22.940	3418	3422	3427	rBV3	353743	595595	6.58%	0.365%
96	24.214	3631	3639	3646	rBV3	1189303	4172258	46.13%	2.555%
97	24.990	3762	3771	3776	rBV	747932	2181848	24.12%	1.336%
98	25.066	3777	3784	3790	rVV2	1289195	3624346	40.07%	2.219%
99	25.142	3791	3797	3808	rVB	1354416	3652718	40.38%	2.237%
100	25.301	3815	3824	3832	rBV2	1019730	3061246	33.84%	1.874%

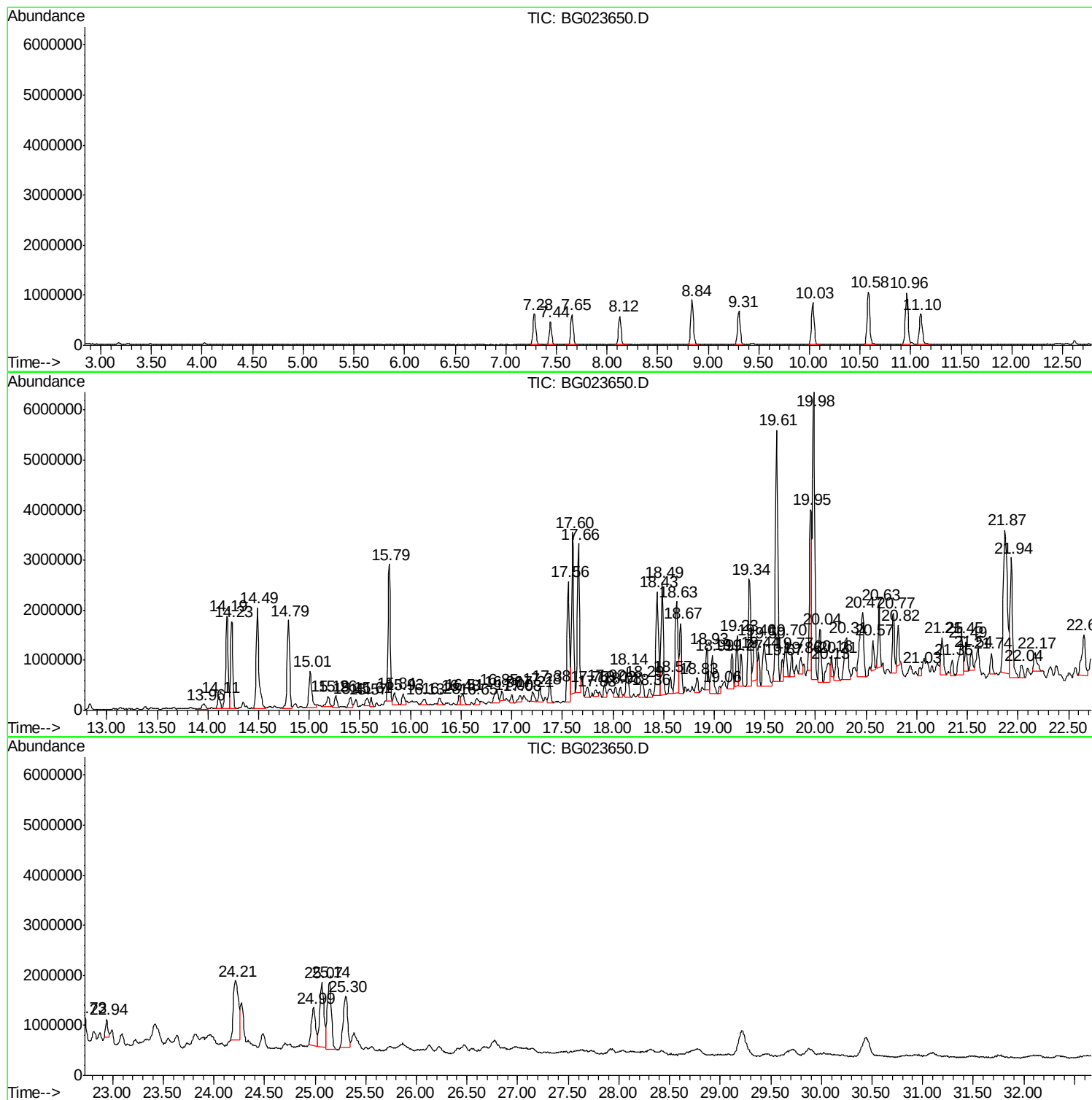
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



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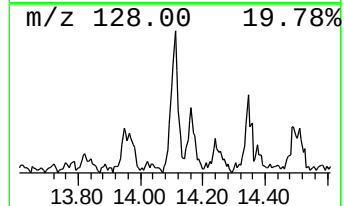
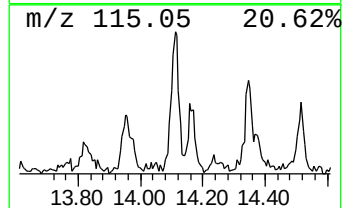
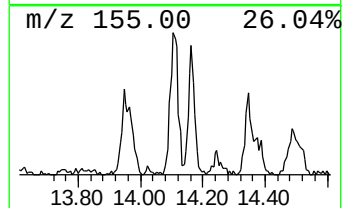
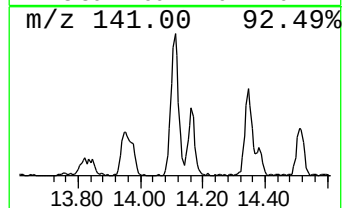
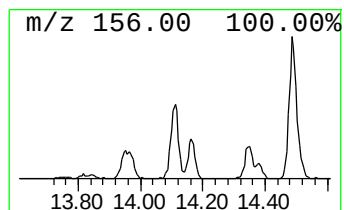
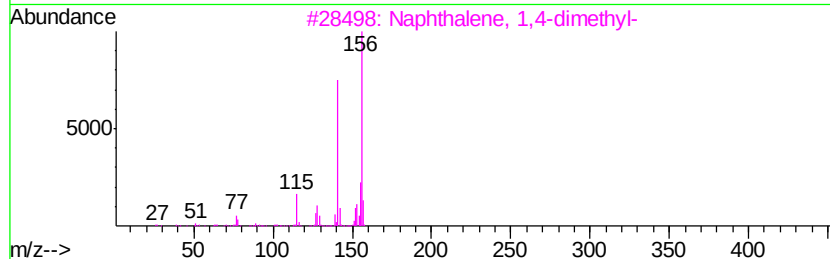
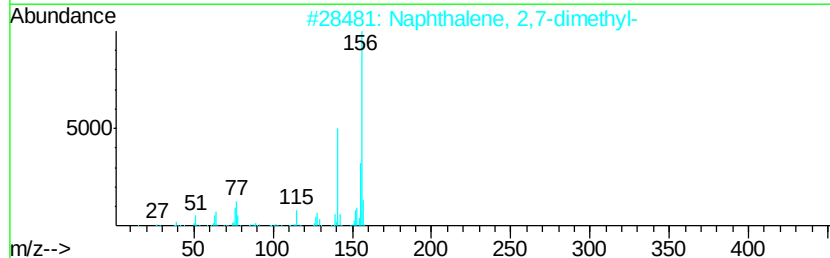
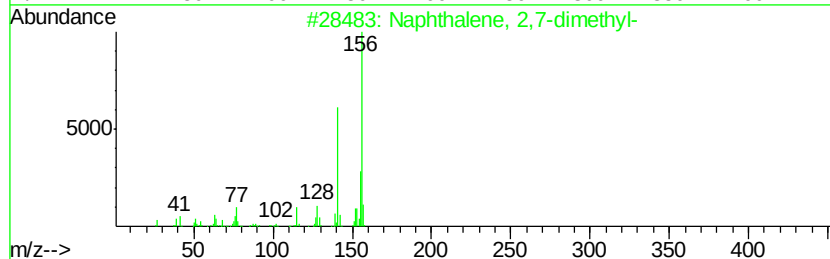
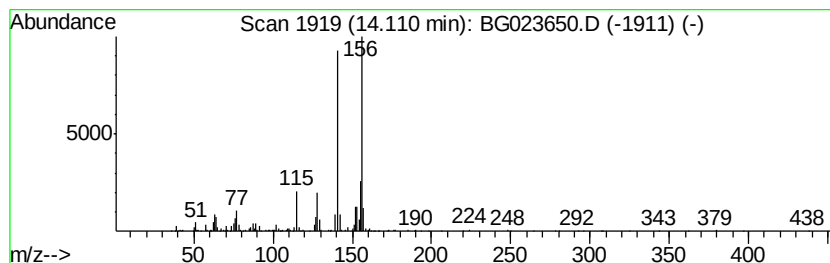
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	2.87 ng/ul	433175	Acenaphthene-d10	14.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 95
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 94
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94



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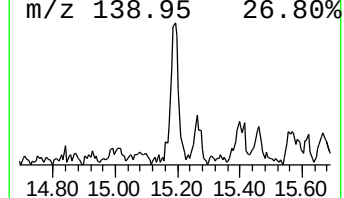
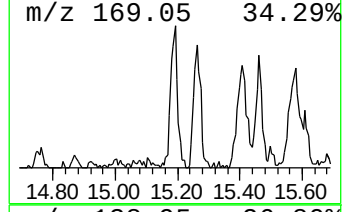
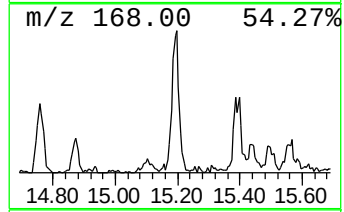
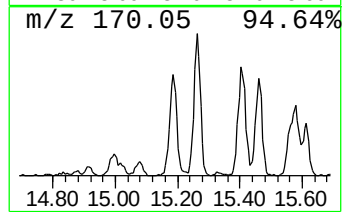
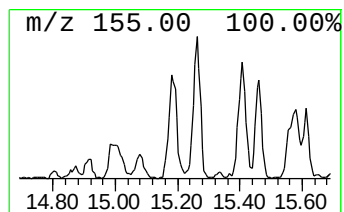
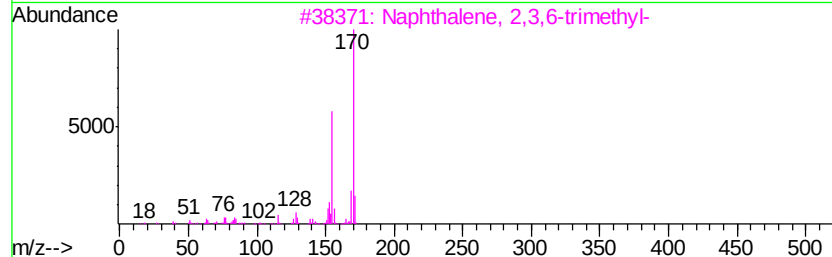
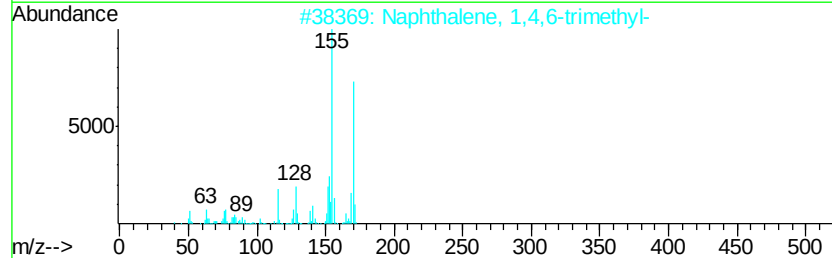
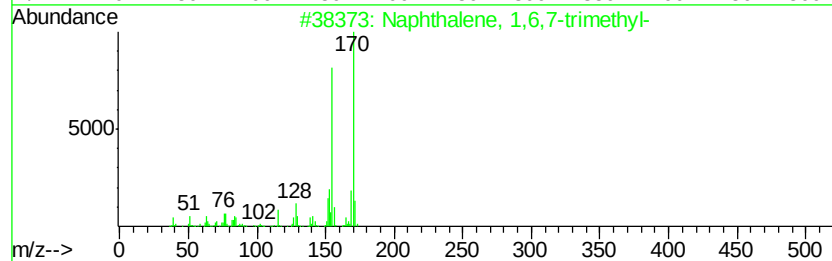
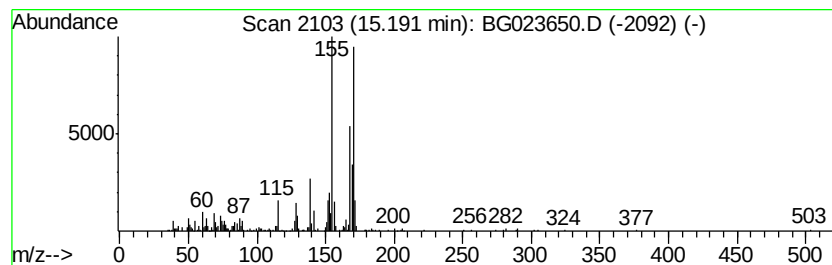
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.95 ng/ul	446132	Acenaphthene-d10	14.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93



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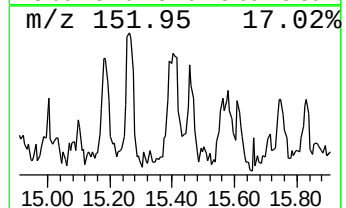
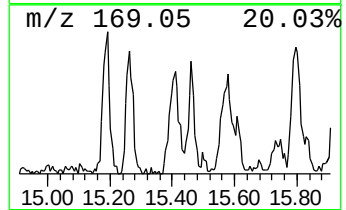
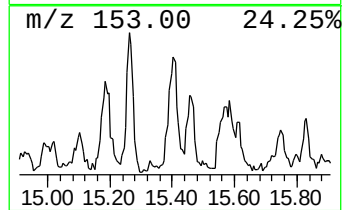
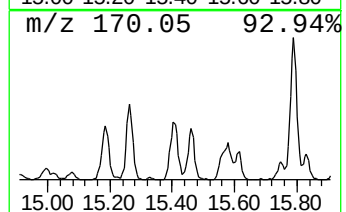
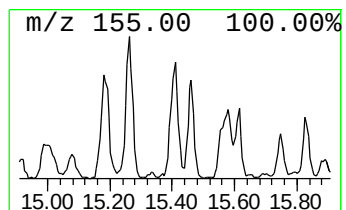
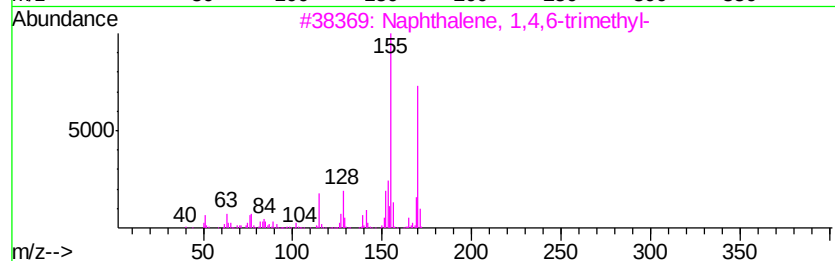
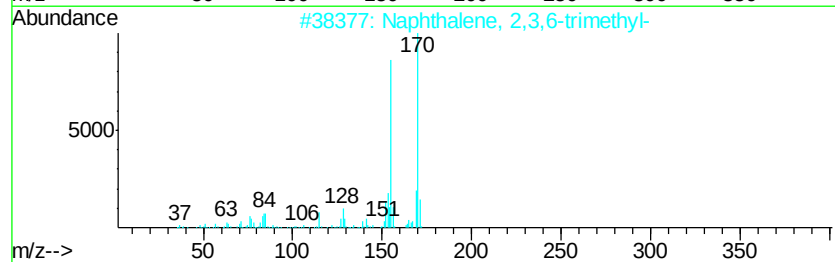
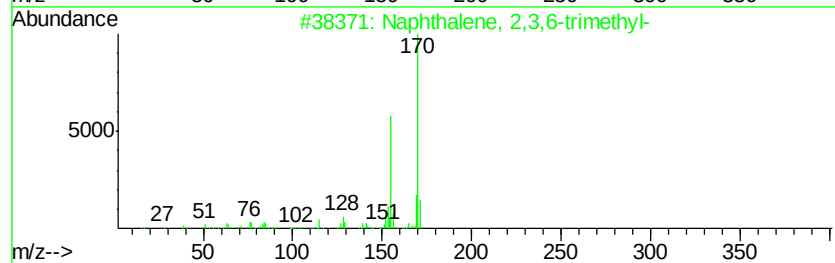
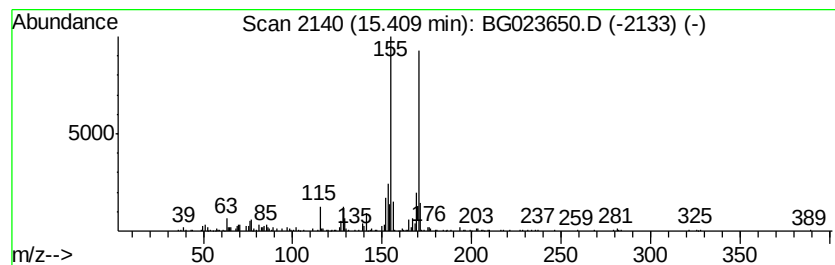
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	2.63 ng/ul	398069	Acenaphthene-d10	14.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5	96
5	Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

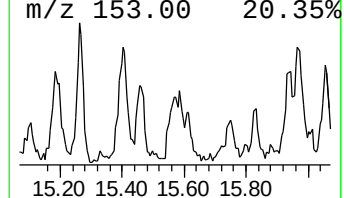
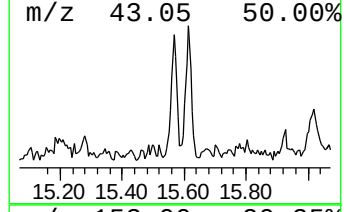
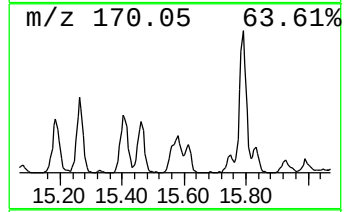
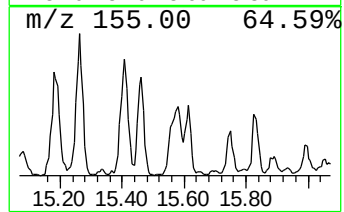
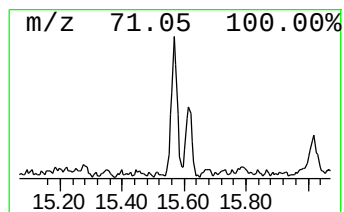
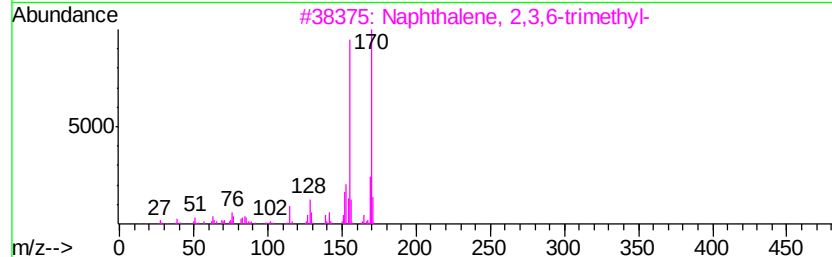
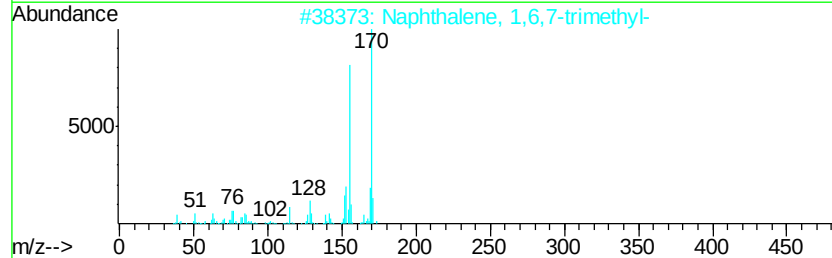
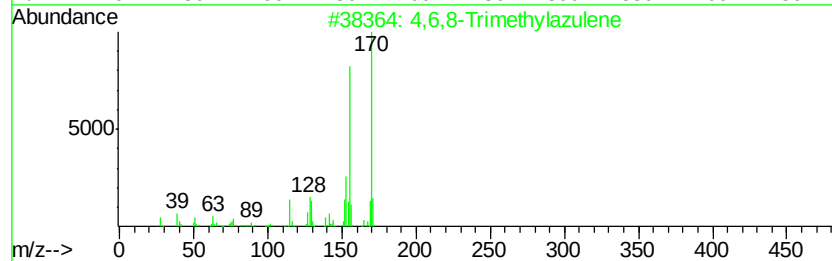
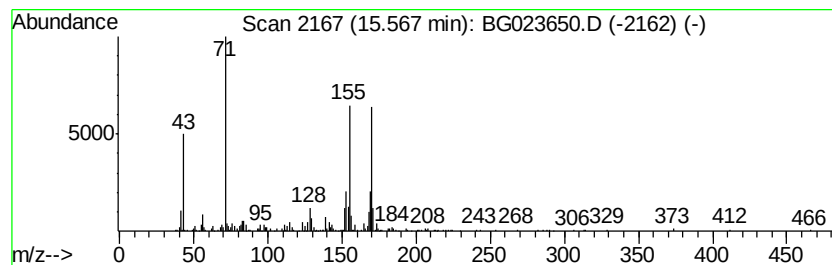
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 4,6,8-Trimethylazulene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.22 ng/ul	334684	Acenaphthene-d10	14.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
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Instrument :
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ClientSampleId :
P001-SS001-2430-01

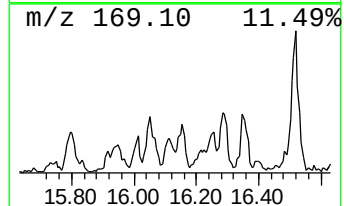
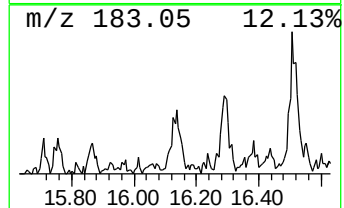
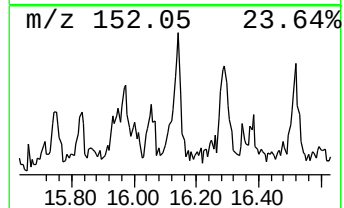
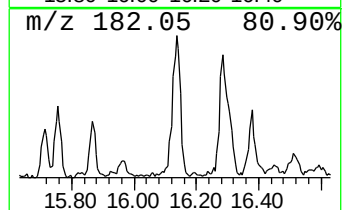
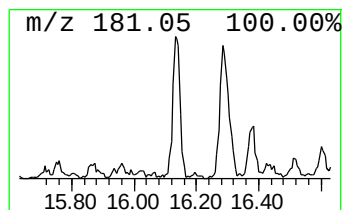
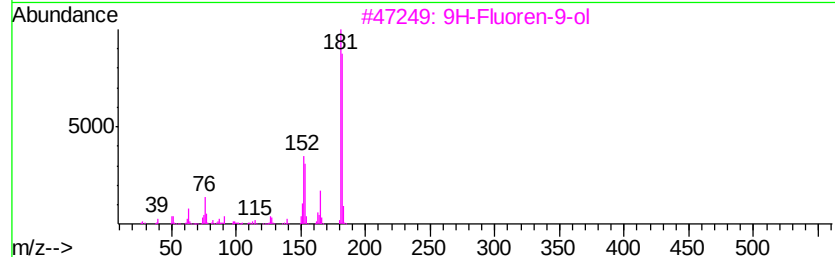
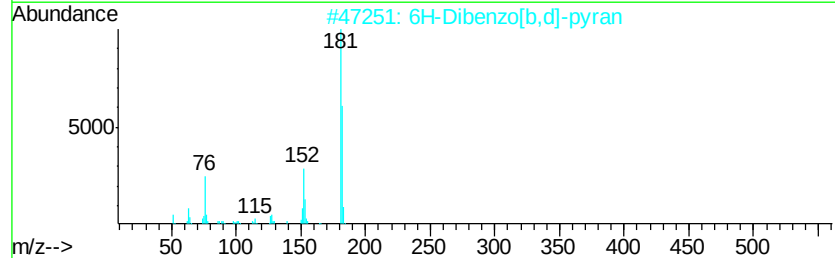
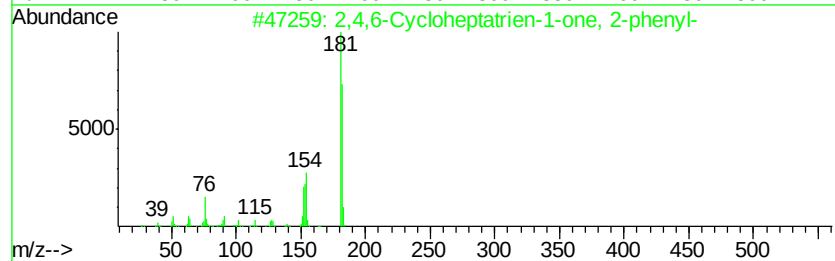
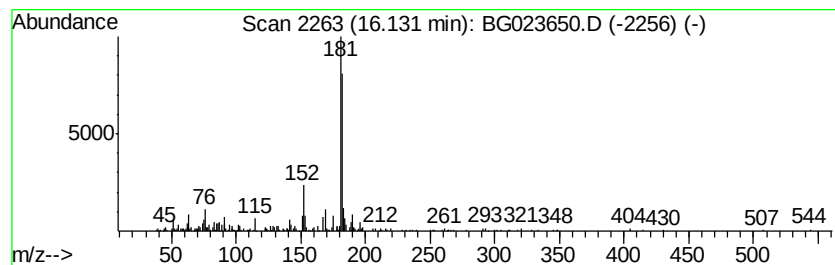
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.02 ng/ul	305572	Acenaphthene-d10	14.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
5		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

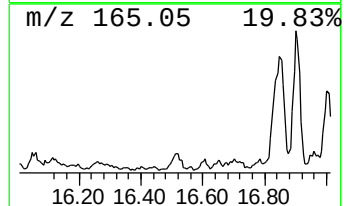
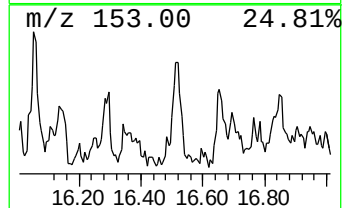
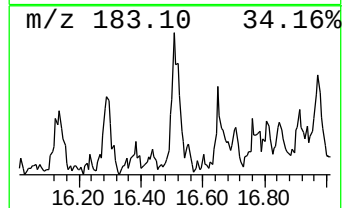
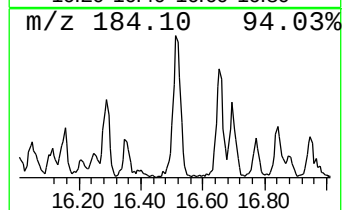
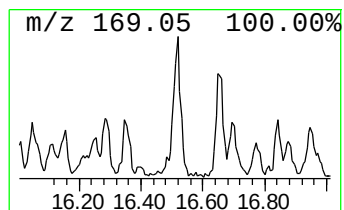
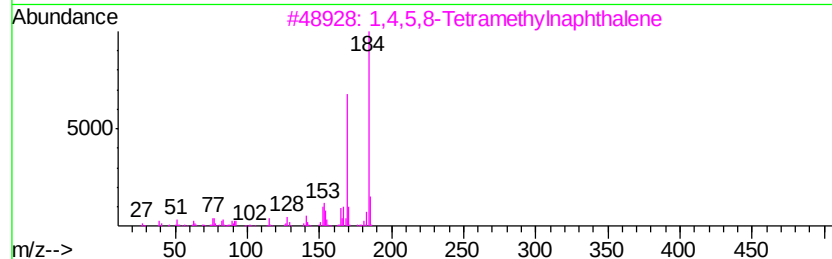
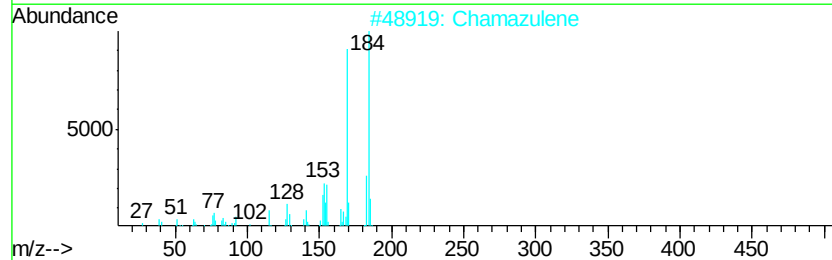
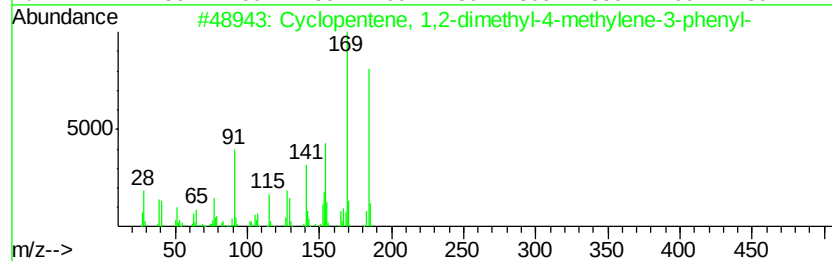
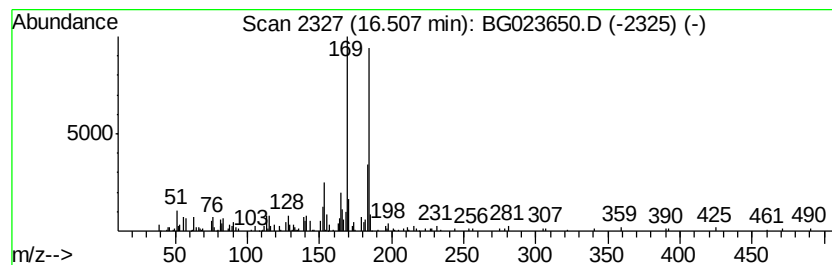
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopentene, 1,2-dimethyl-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	2.32 ng/ul	425083	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	90
2		Chamazulene	184	C14H16	000529-05-5	83
3		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	81
4		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	68
5		3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

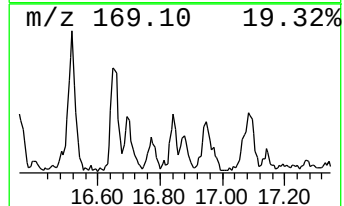
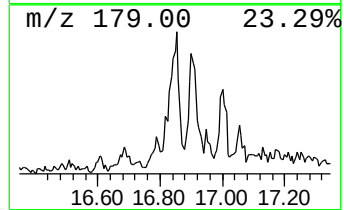
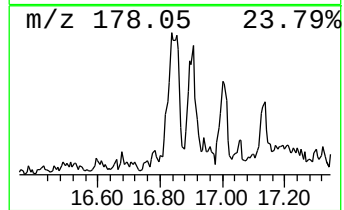
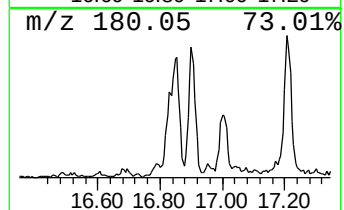
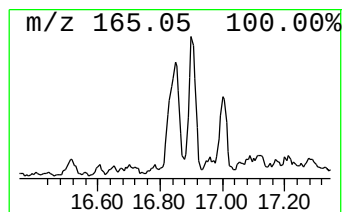
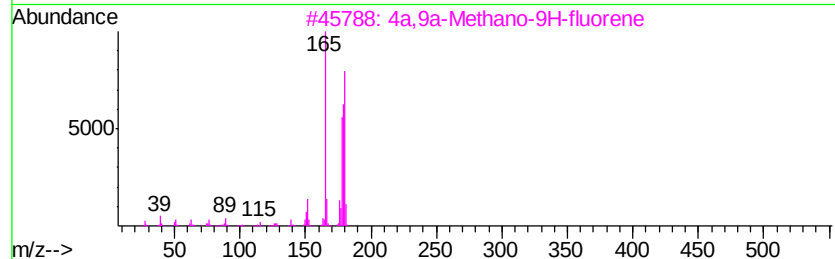
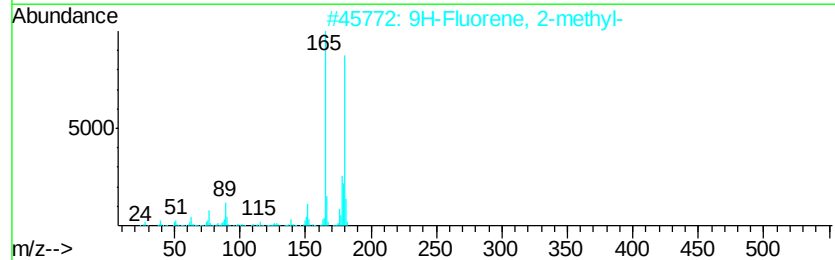
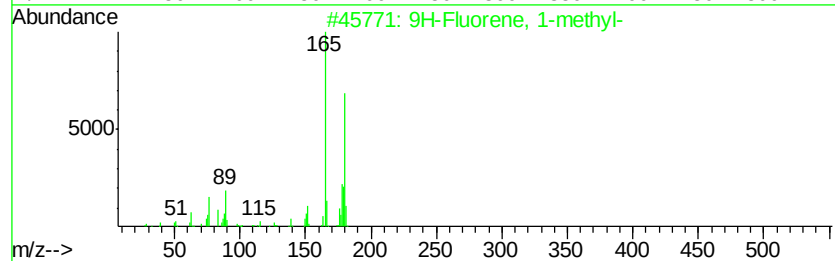
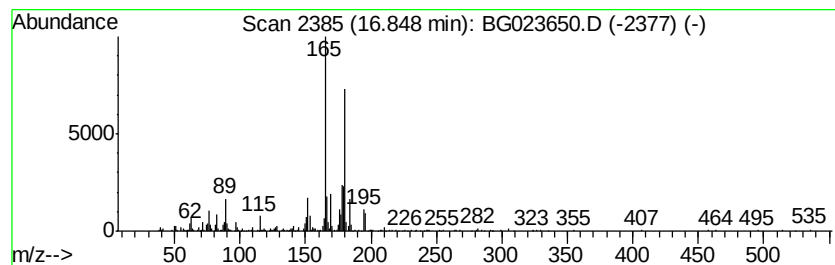
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.54 ng/ul	646916	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

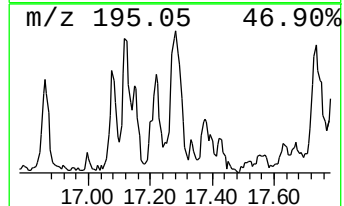
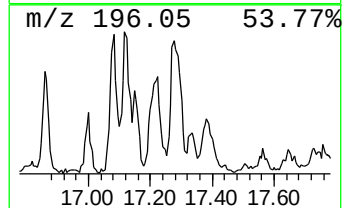
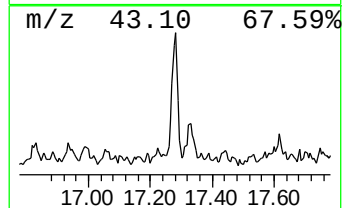
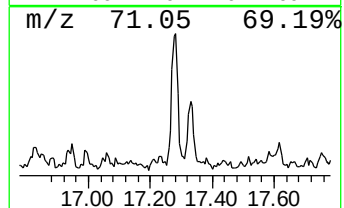
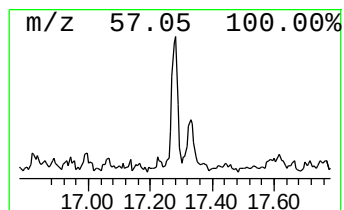
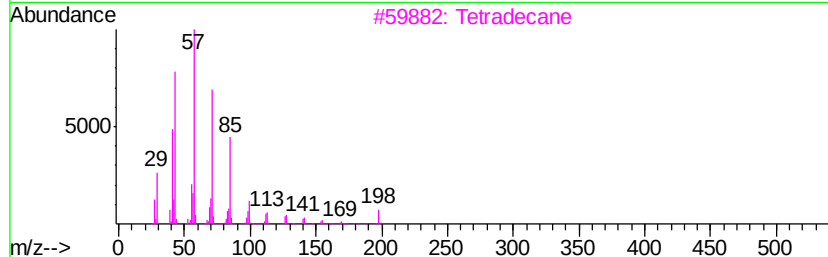
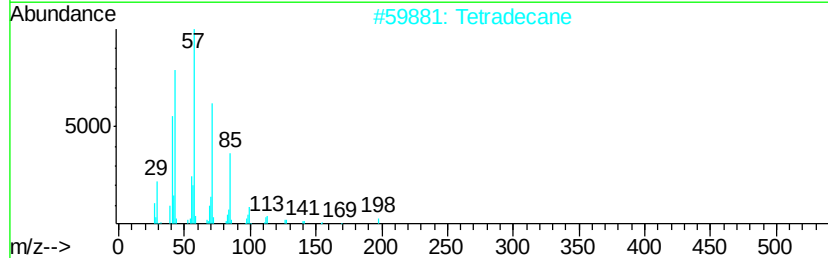
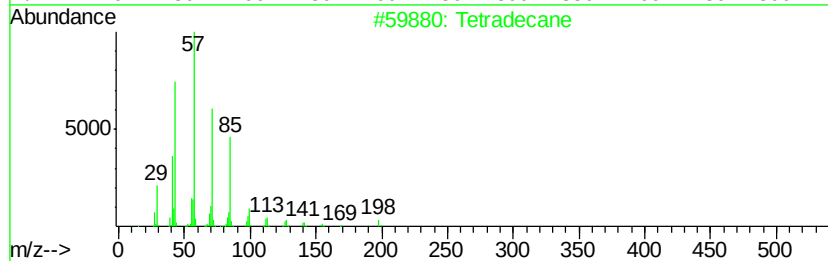
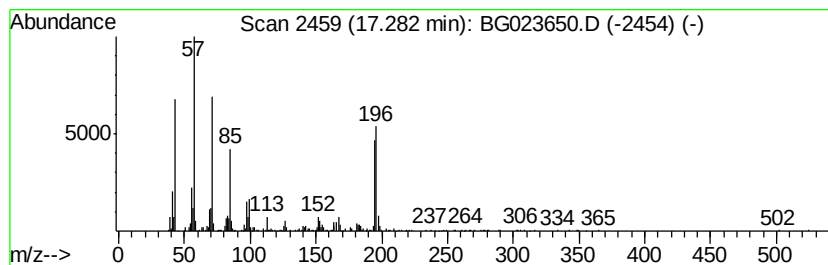
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.50 ng/ul	456919	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	64
2		Tetradecane	198	C14H30	000629-59-4	64
3		Tetradecane	198	C14H30	000629-59-4	50
4		Octacosane	394	C28H58	000630-02-4	49
5		Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	46



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

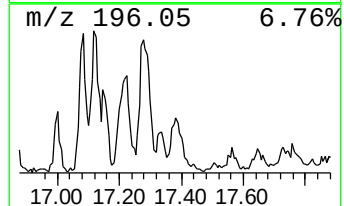
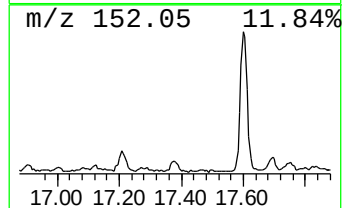
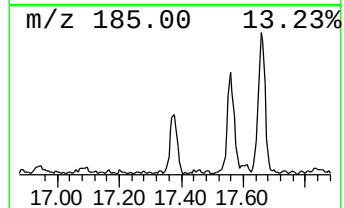
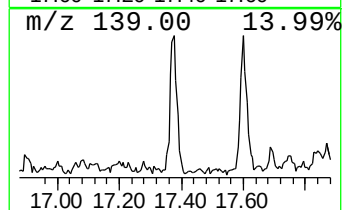
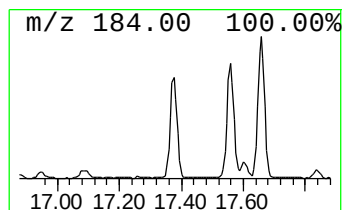
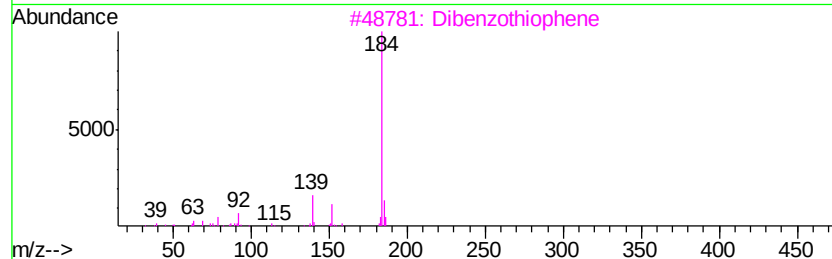
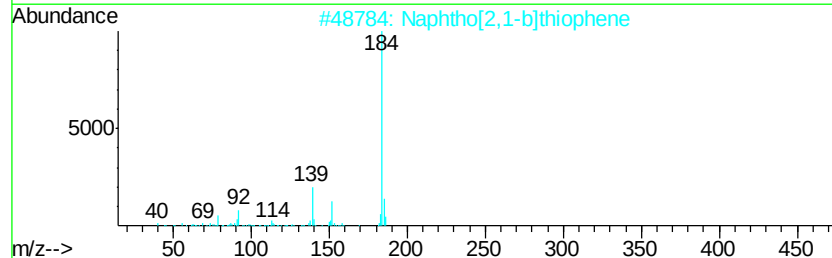
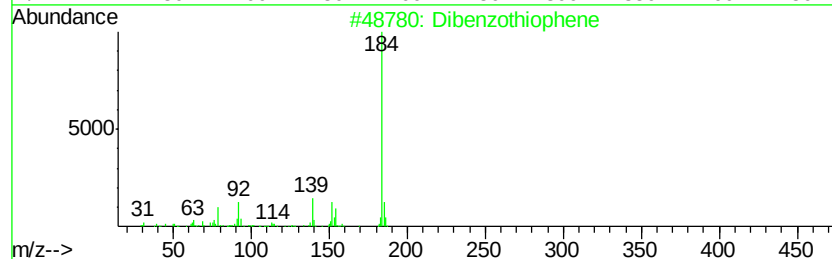
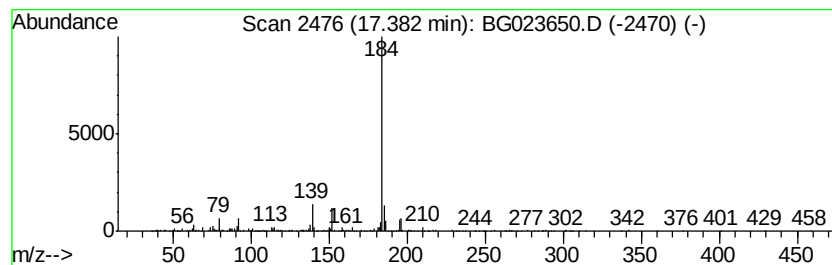
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	3.00 ng/ul	549482	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3		Dibenzothiophene	184	C12H8S	000132-65-0	91
4		Dibenzothiophene	184	C12H8S	000132-65-0	87
5		Dibenzothiophene	184	C12H8S	000132-65-0	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

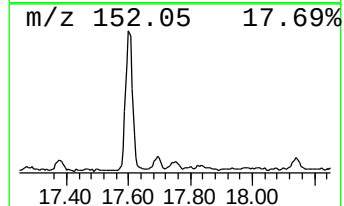
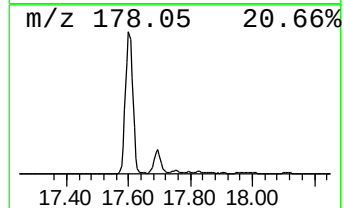
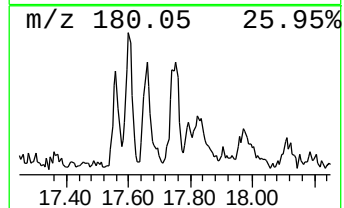
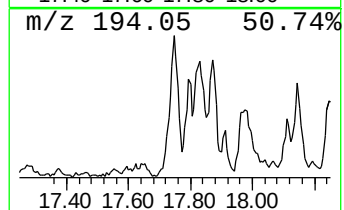
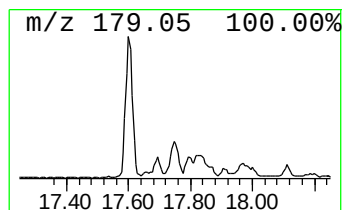
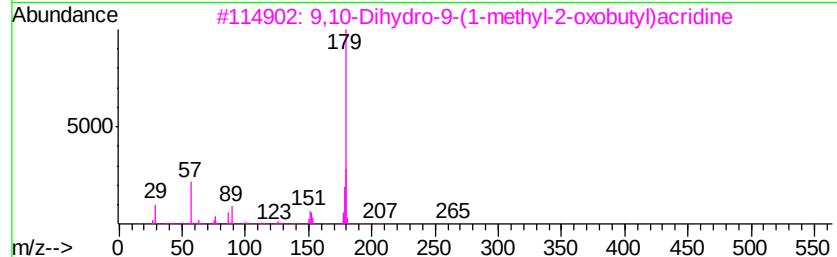
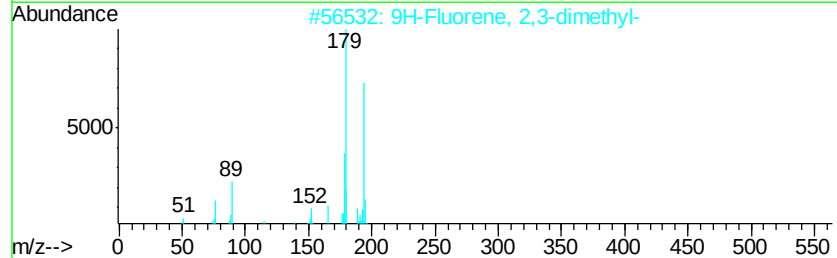
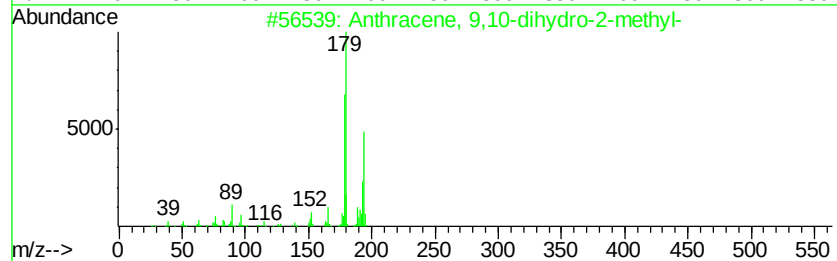
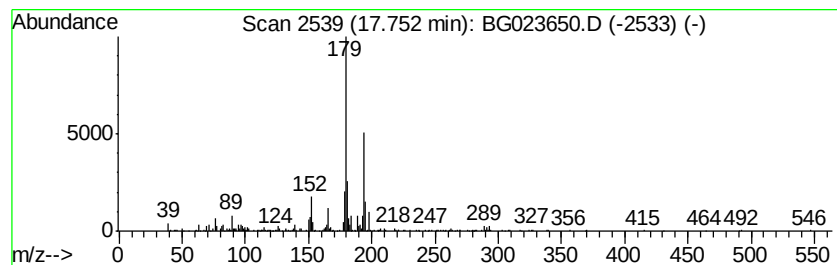
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Anthracene, 9,10-dihydro-2-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	2.30 ng/ul	420410	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	87
2		9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	83
3		9,10-Dihydro-9-(1-methyl-2-oxobu...	265	C18H19NO	015539-57-8	60
4		Thieno[2,3-d]pyrimidine-4-thiol,...	210	C9H10N2S2	1000303-48-8	58
5		Acridine	179	C13H9N	000260-94-6	55



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

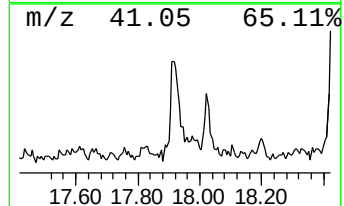
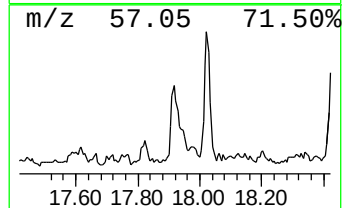
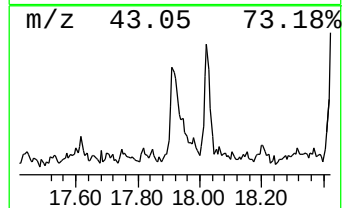
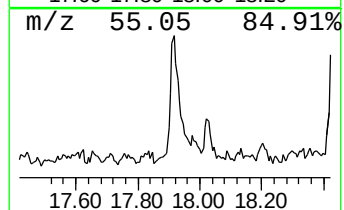
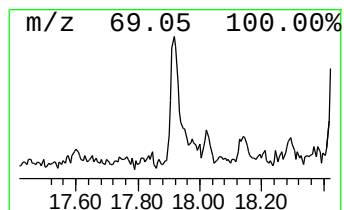
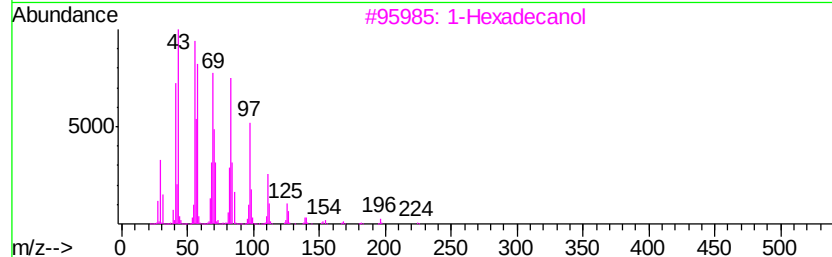
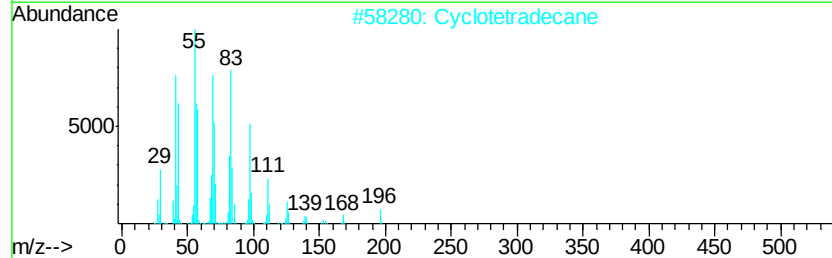
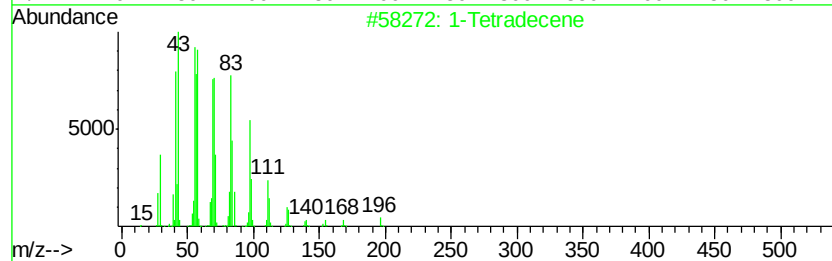
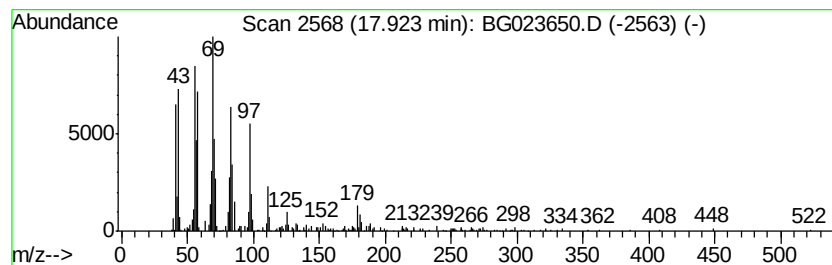
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Cyclic17.92 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.24 ng/ul	409286	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Tetradecene	196	C14H28	001120-36-1	95
2			Cyclotetradecane	196	C14H28	000295-17-0	92
3			1-Hexadecanol	242	C16H34O	036653-82-4	90
4			Acetic acid, trifluoro-, dodecyl...	282	C14H25F3O2	006222-00-0	90
5			1-Tetradecanol	214	C14H30O	000112-72-1	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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ClientSampleId :
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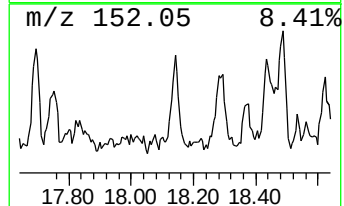
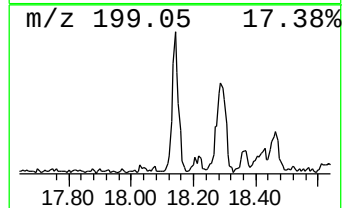
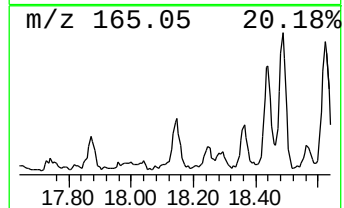
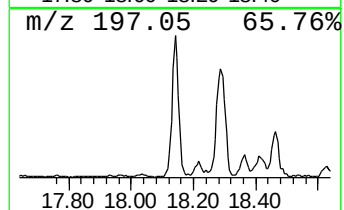
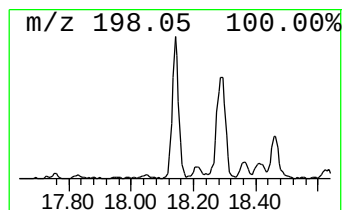
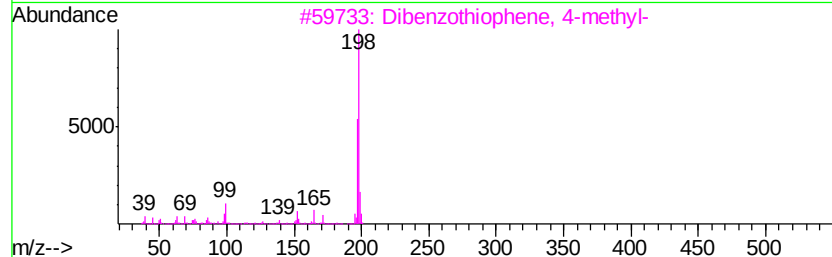
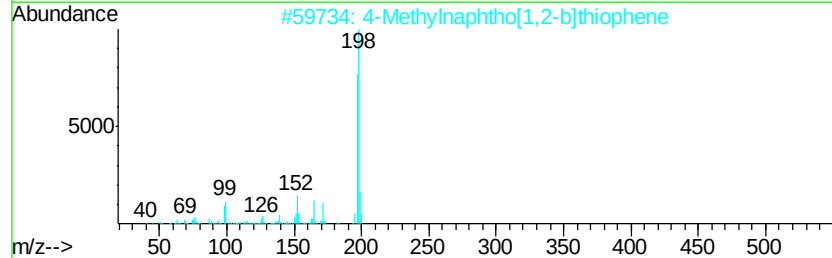
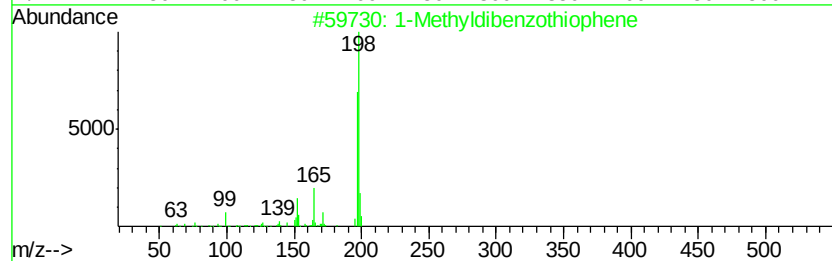
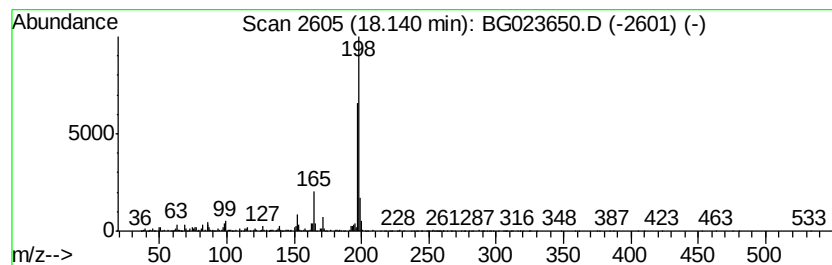
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.76 ng/ul	870910	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
2		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
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ClientSampleId :
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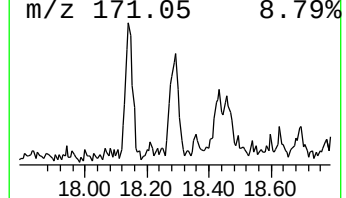
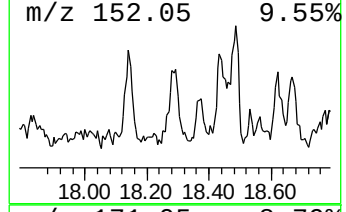
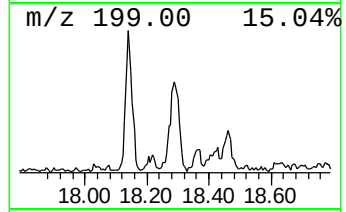
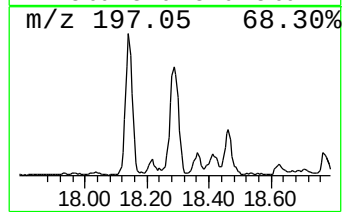
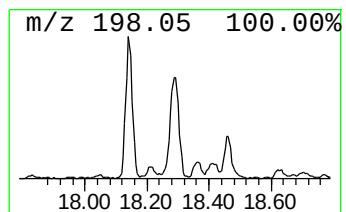
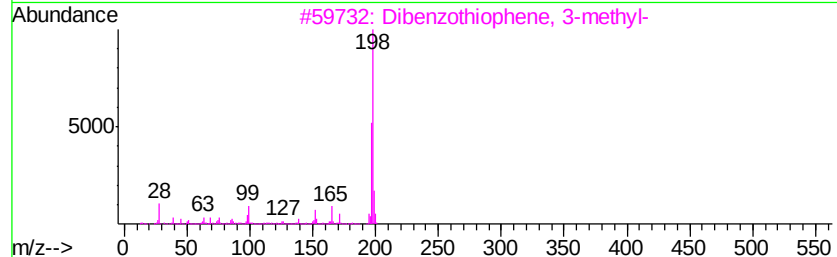
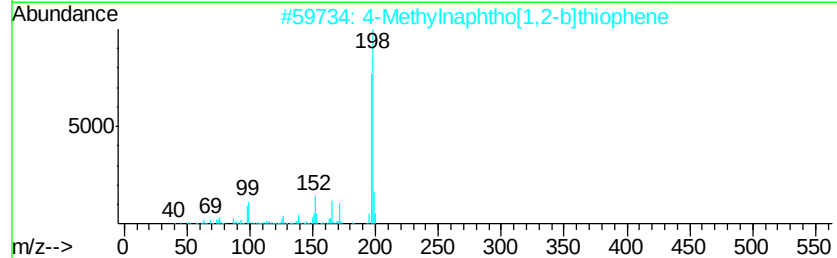
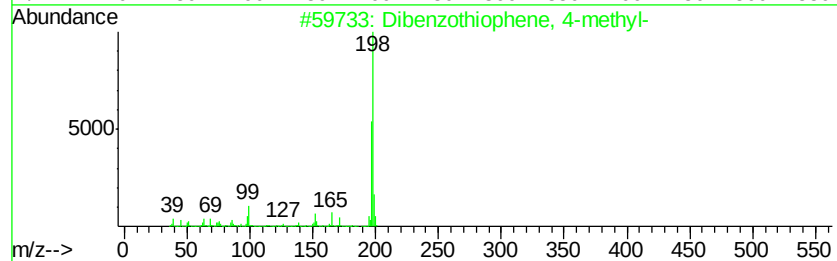
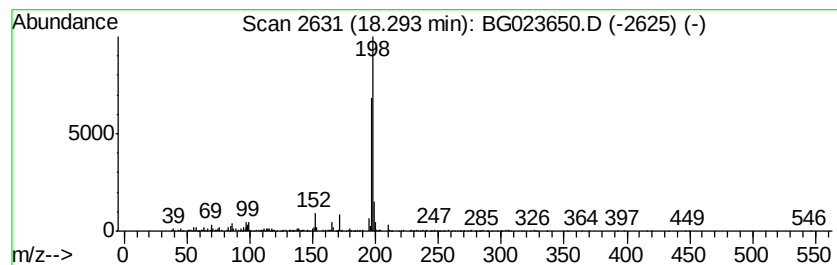
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Dibenzothiophene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.57 ng/ul	653284	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
4		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	72
5		Tacrine	198	C13H14N2	000321-64-2	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
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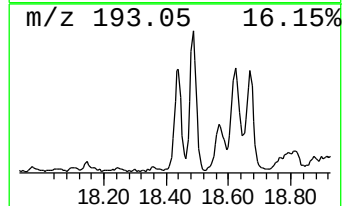
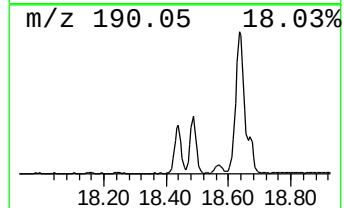
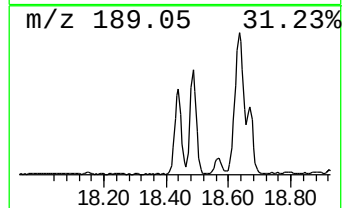
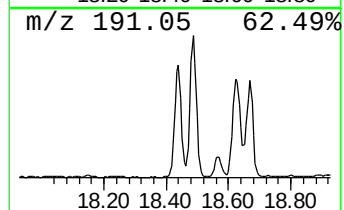
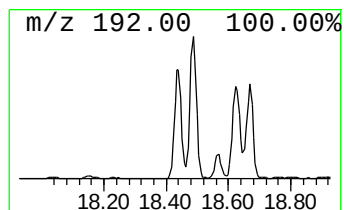
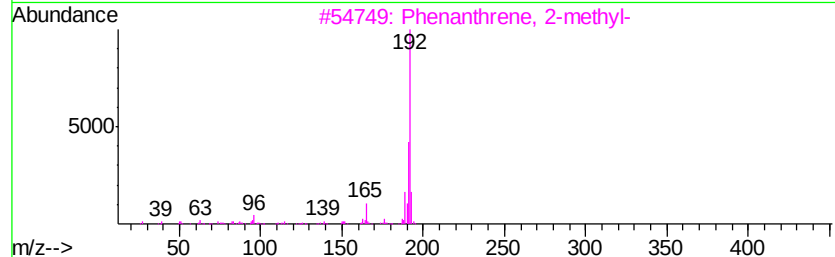
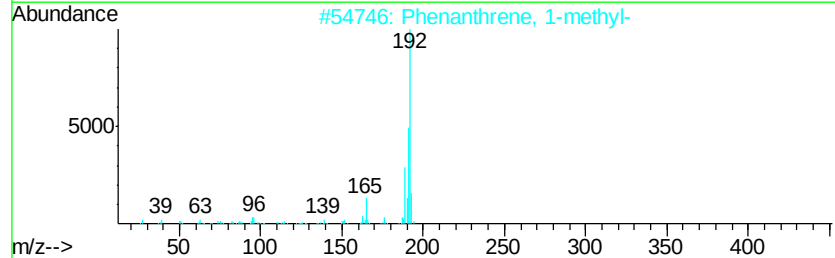
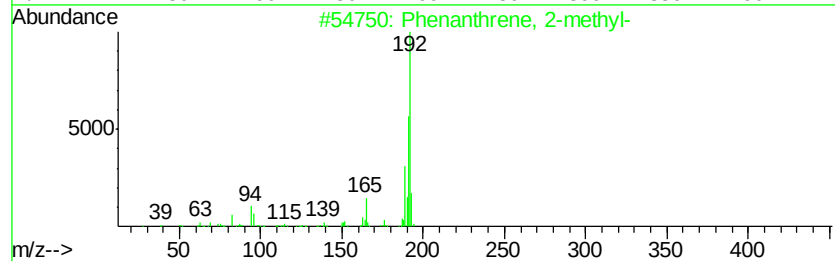
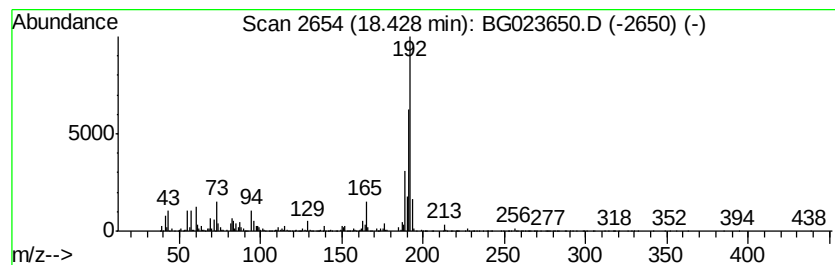
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	19.50 ng/ul	3566730	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
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Sample : H4384-05
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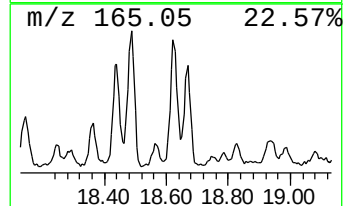
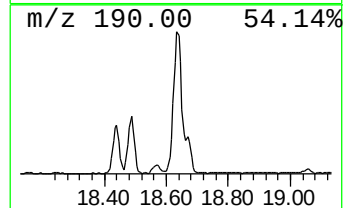
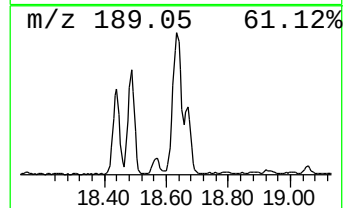
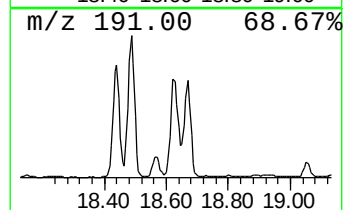
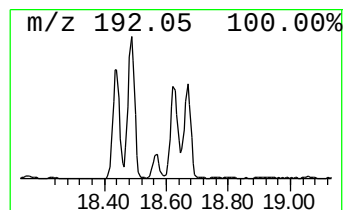
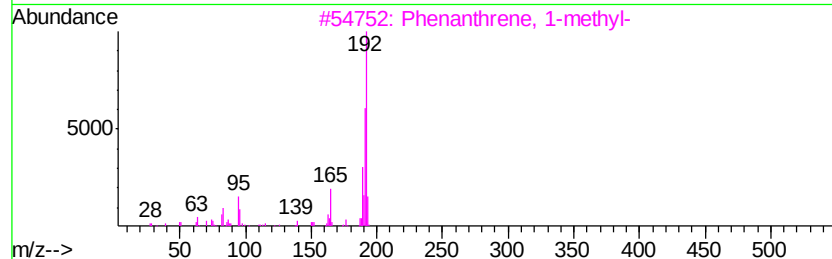
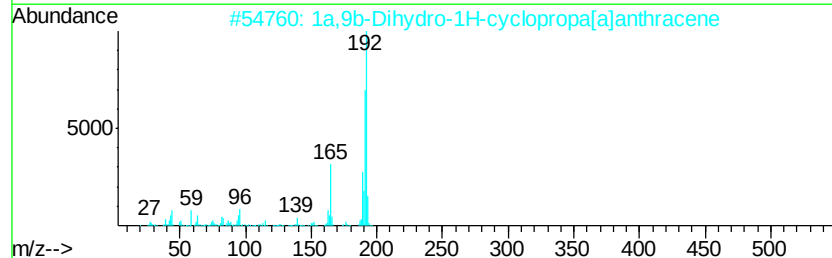
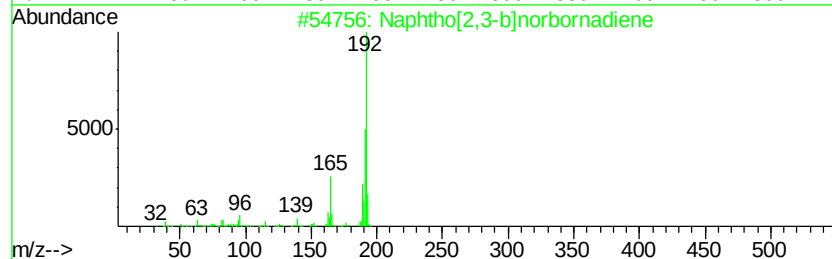
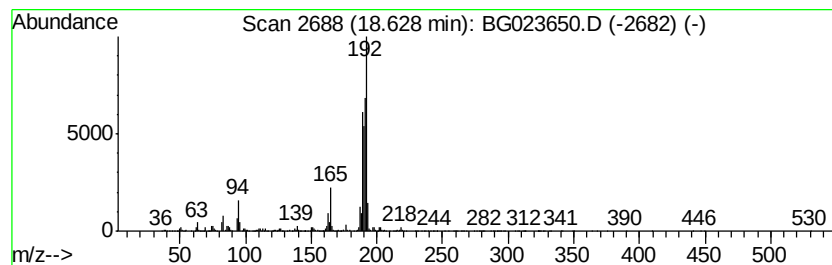
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	19.57 ng/ul	3580970	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
2		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
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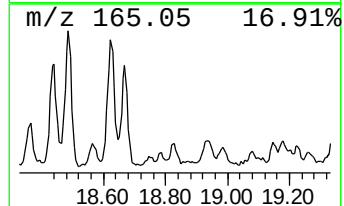
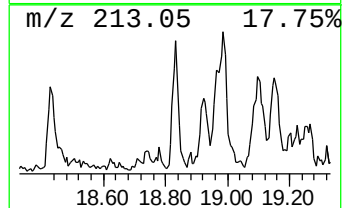
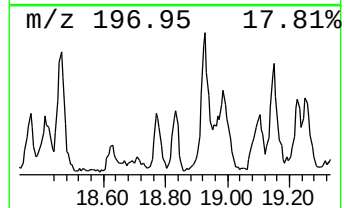
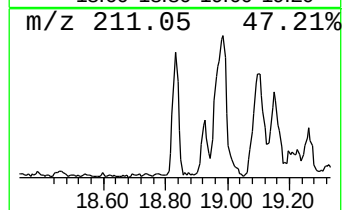
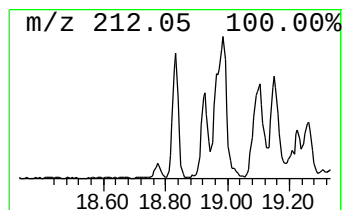
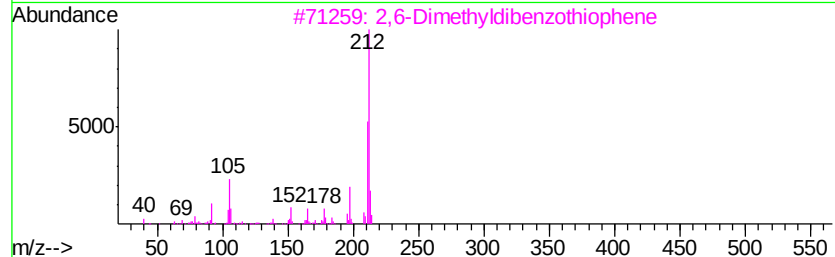
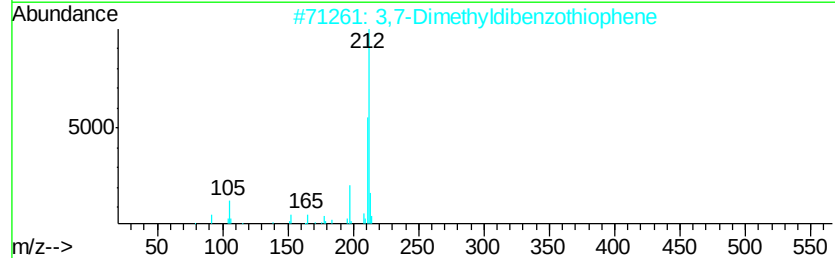
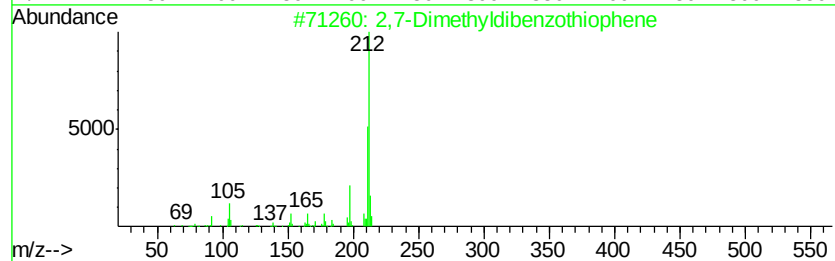
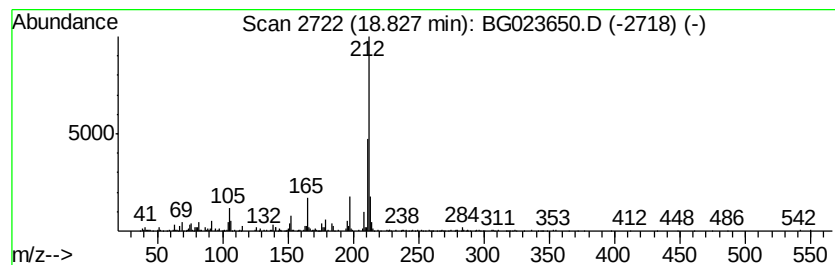
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 2,7-Dimethyldibenzothiophene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.55 ng/ul	466446	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	94
2		3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	94
3		2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	94
4		Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	93
5		1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
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Sample : H4384-05
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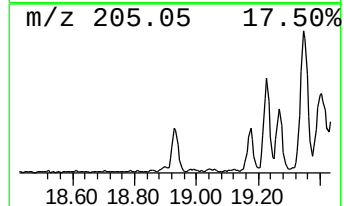
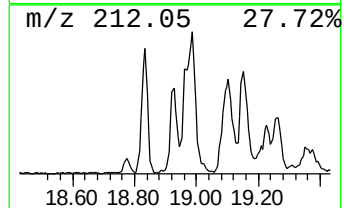
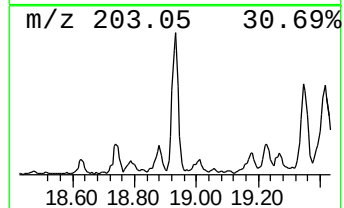
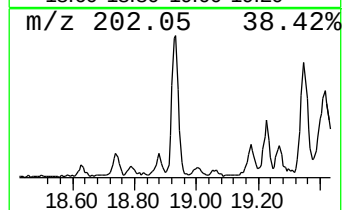
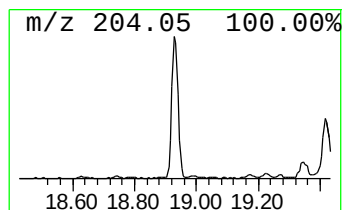
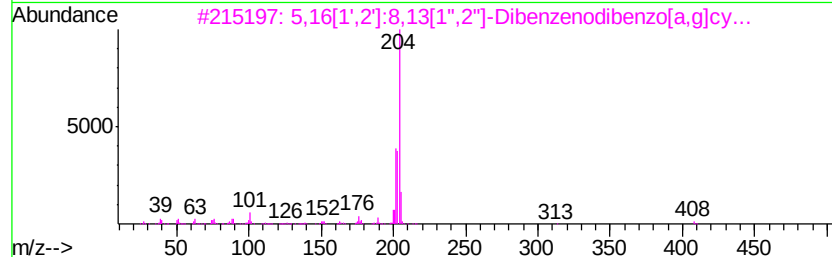
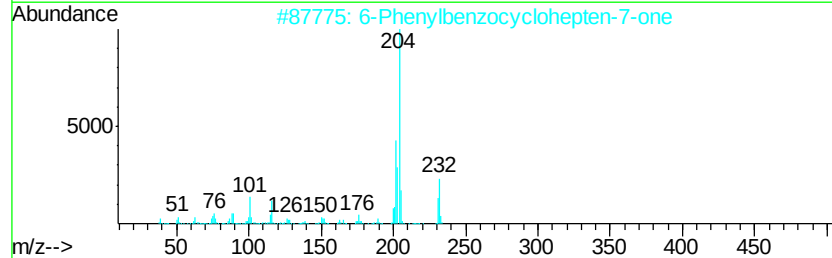
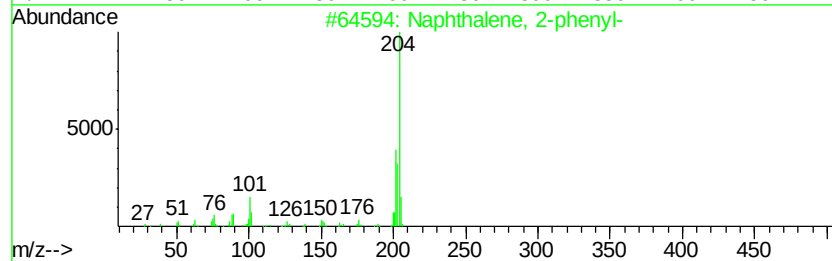
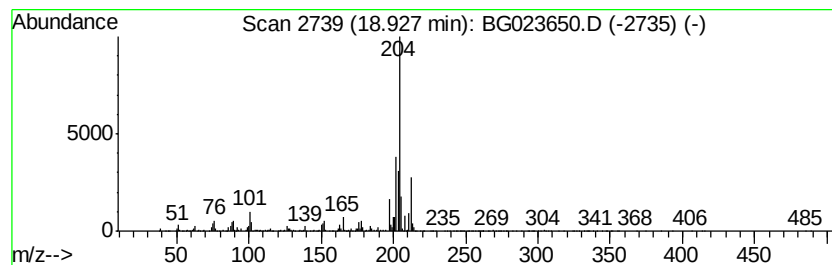
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BNA_G
ClientSampleId :
P001-SS001-2430-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.85 ng/ul	1252930	Phenanthrene-d10	17.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-phenyl-	204 C16H12	000612-94-2 70
2		6-Phenylbenzocyclohepten-7-one	232 C17H12O	093327-56-1 68
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408 C32H24	005672-97-9 59
4		Naphthalene, 2-phenyl-	204 C16H12	000612-94-2 55
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204 C16H12	006572-60-7 55



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

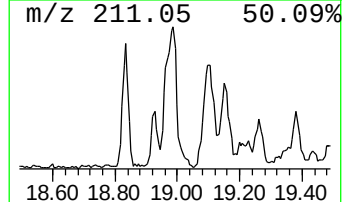
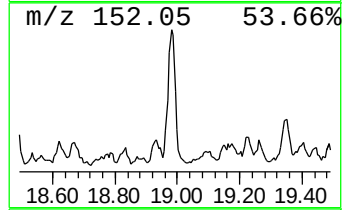
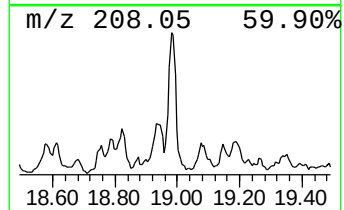
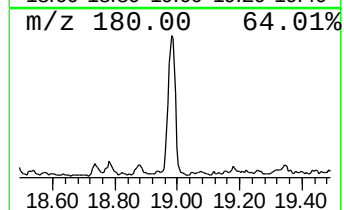
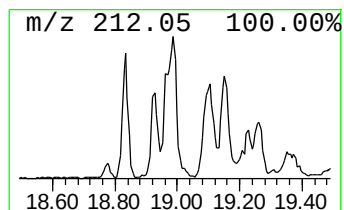
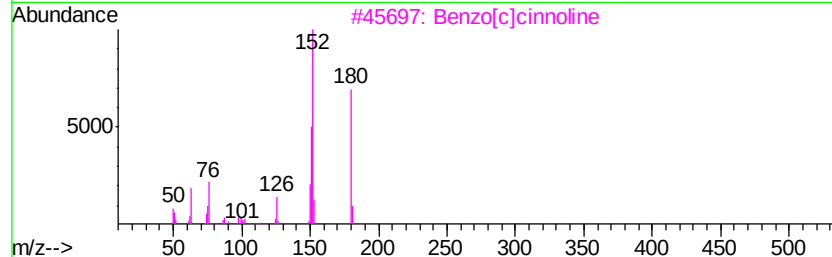
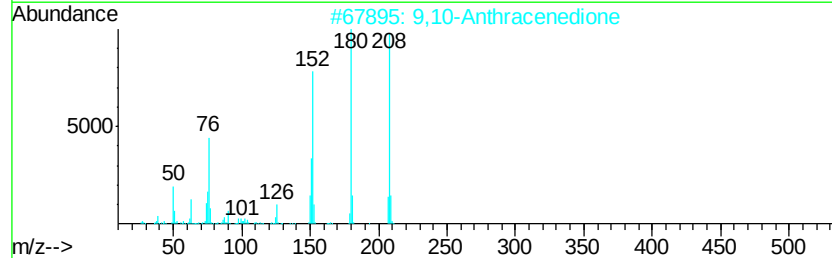
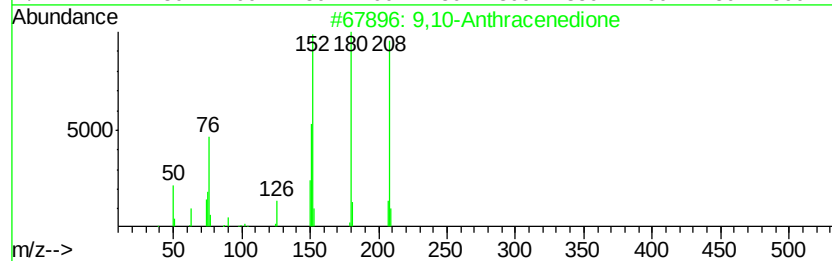
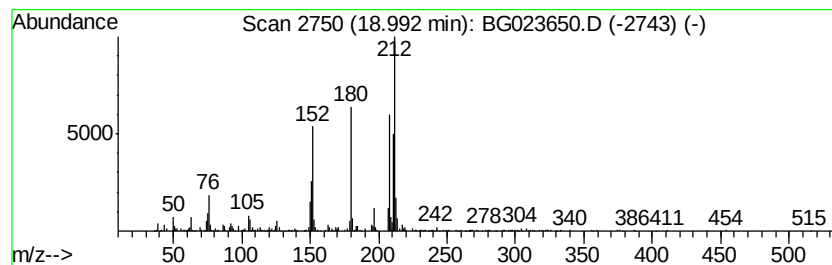
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	8.40 ng/ul	1535840	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4		9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	66



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

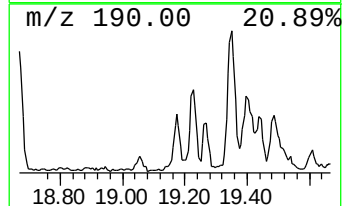
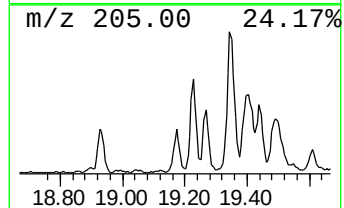
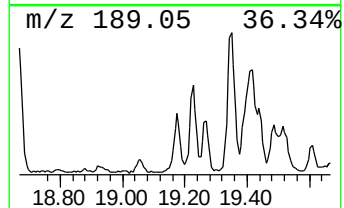
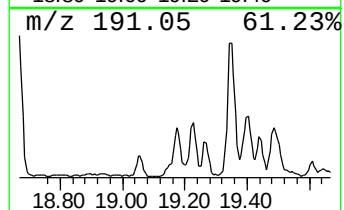
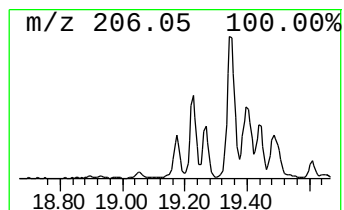
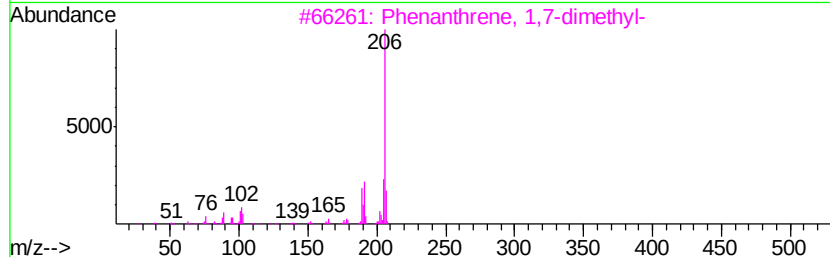
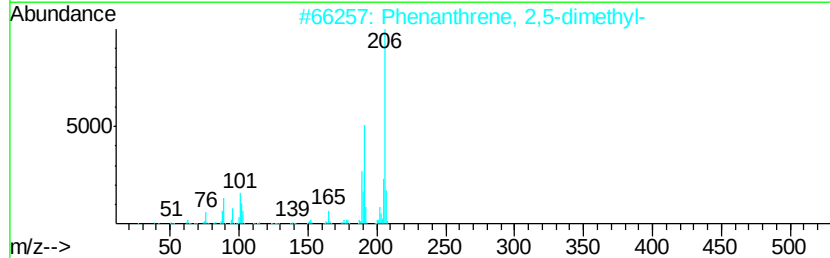
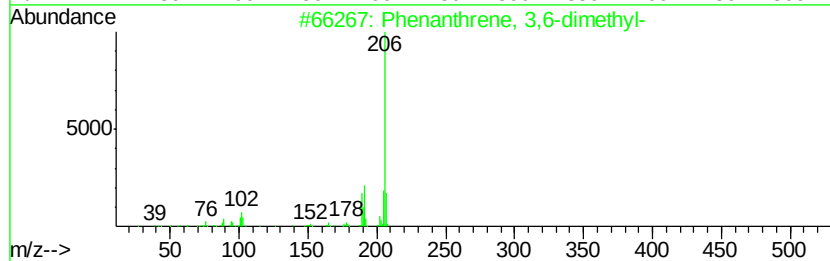
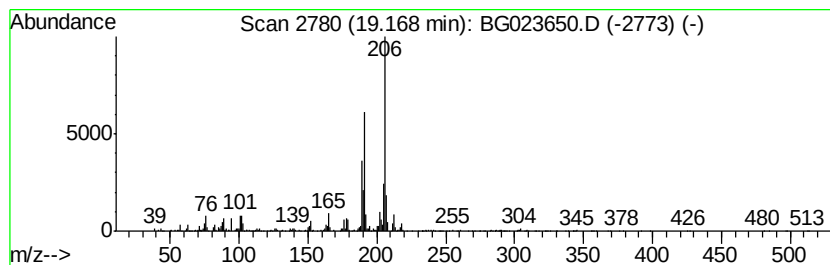
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	7.68 ng/ul	1404630	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

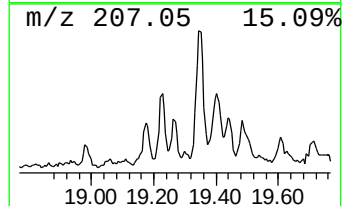
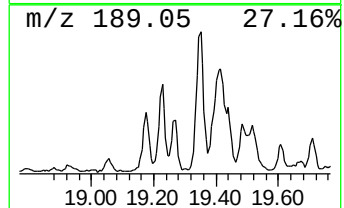
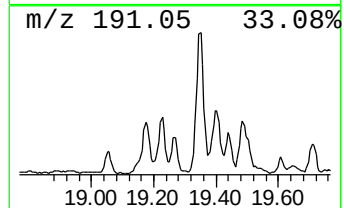
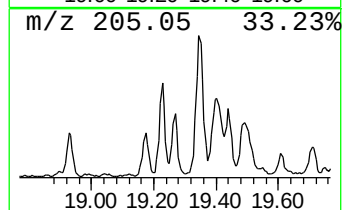
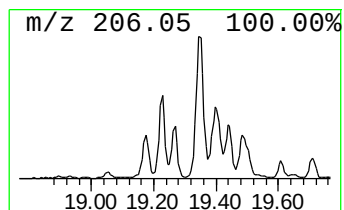
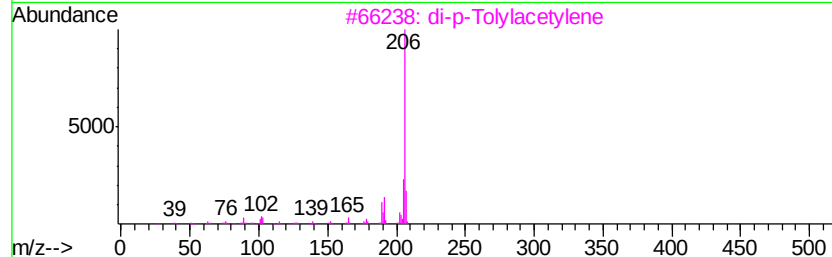
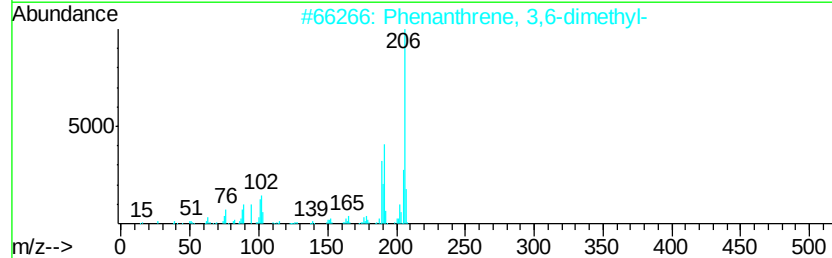
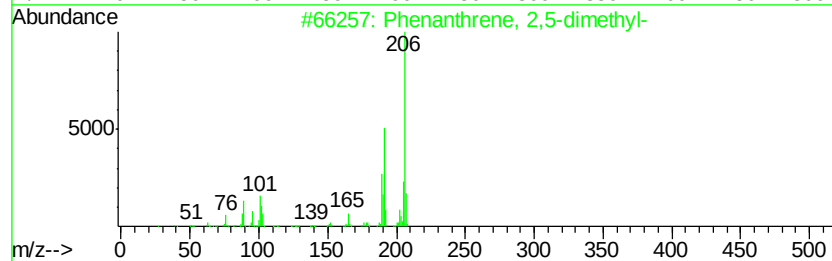
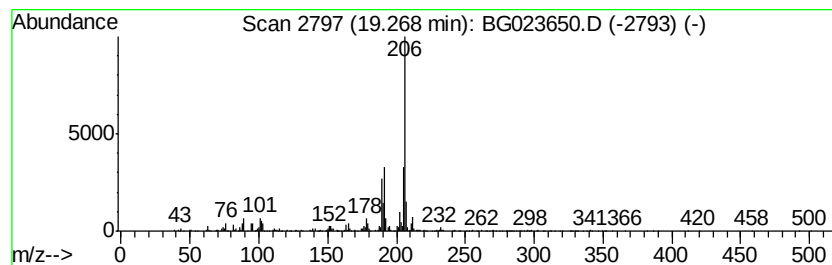
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	4.50 ng/ul	823775	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

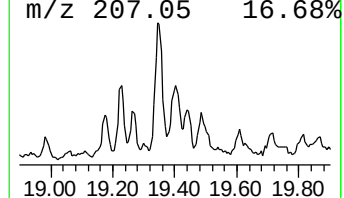
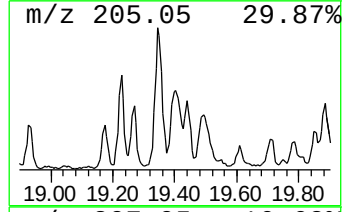
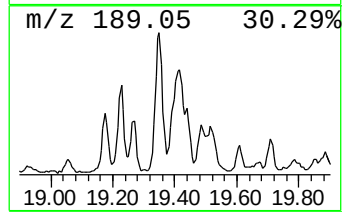
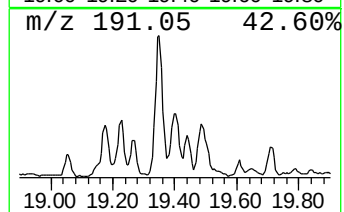
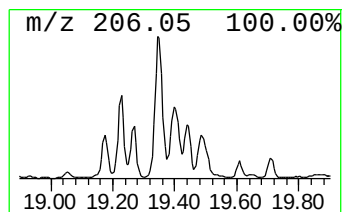
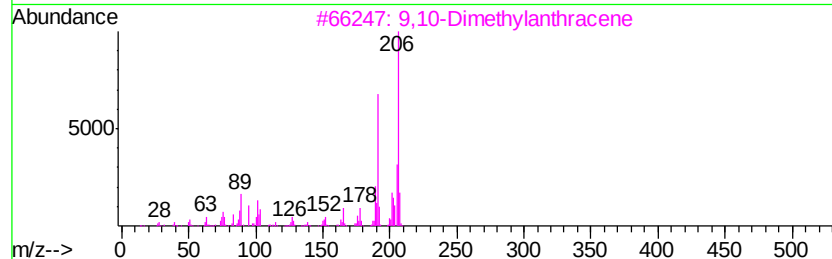
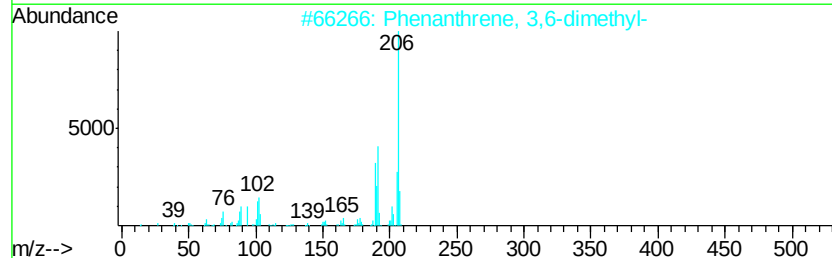
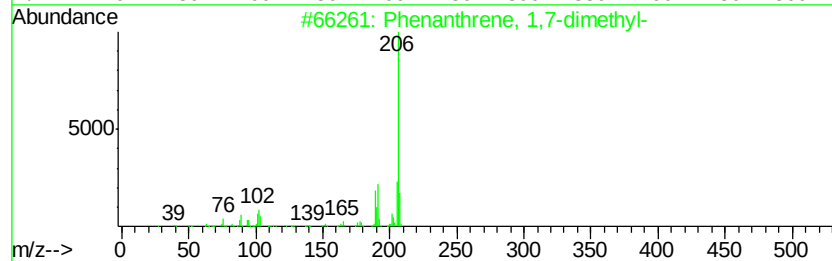
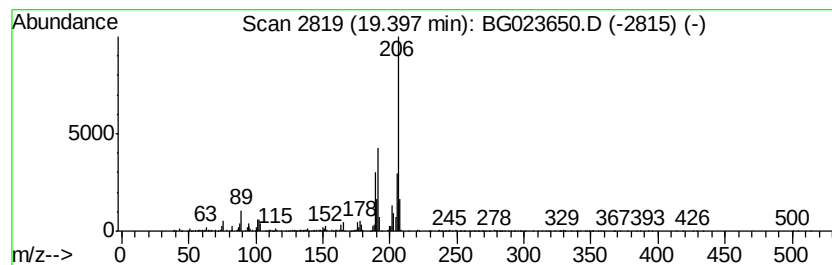
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	9.81 ng/ul	1795470	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

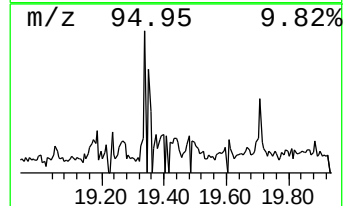
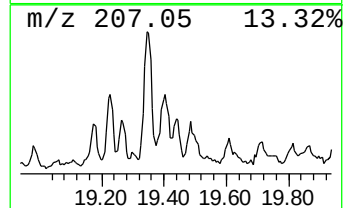
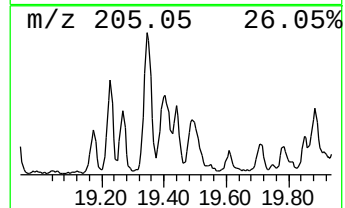
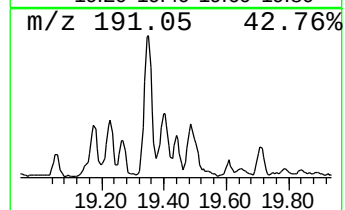
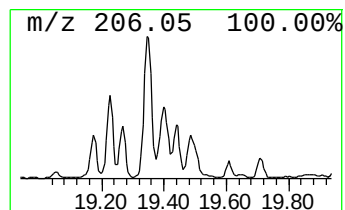
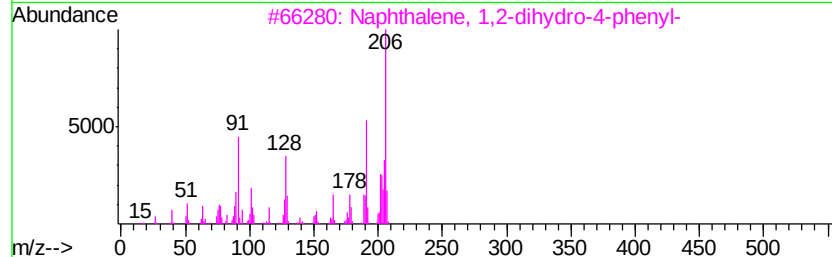
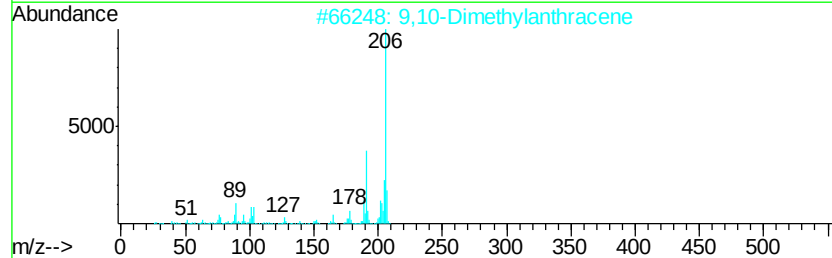
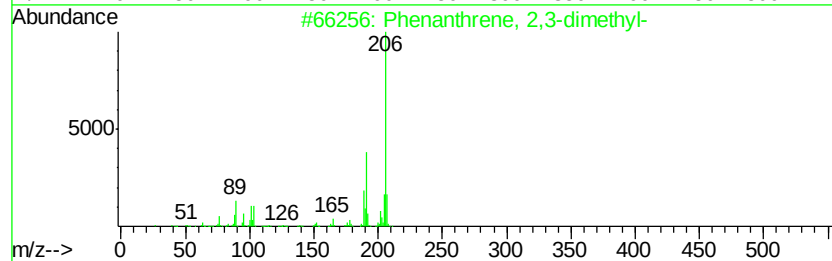
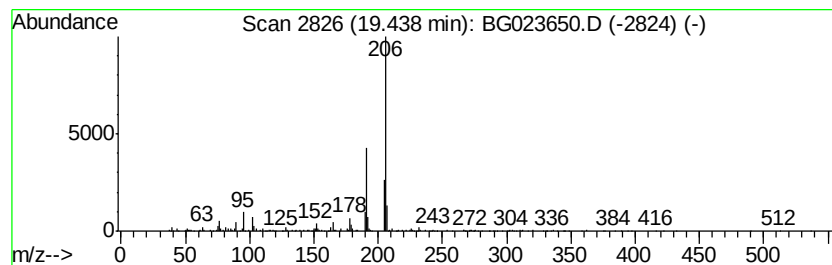
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Phenanthrene, 2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	4.17 ng/ul	761992	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	87
3		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS001-2430-01

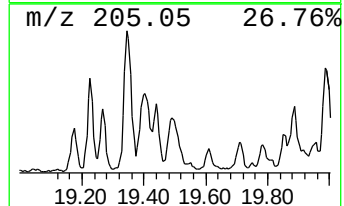
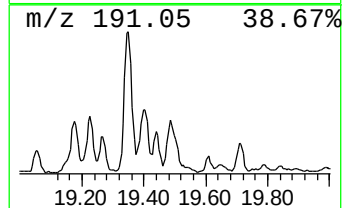
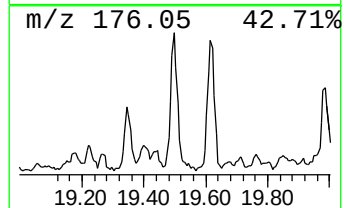
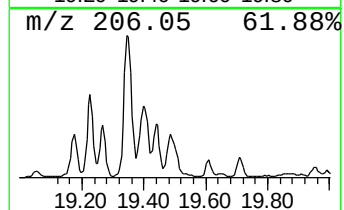
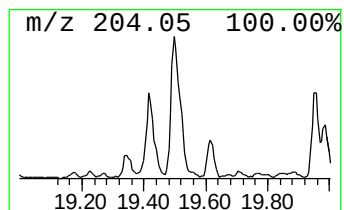
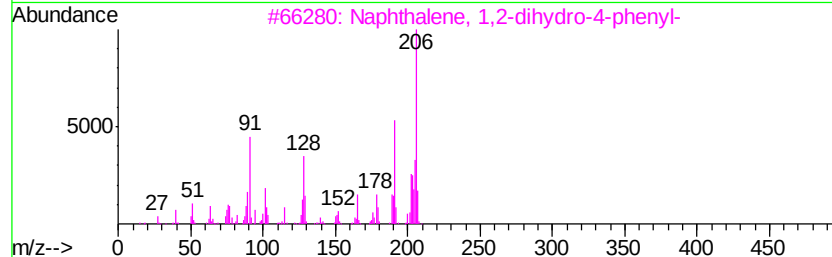
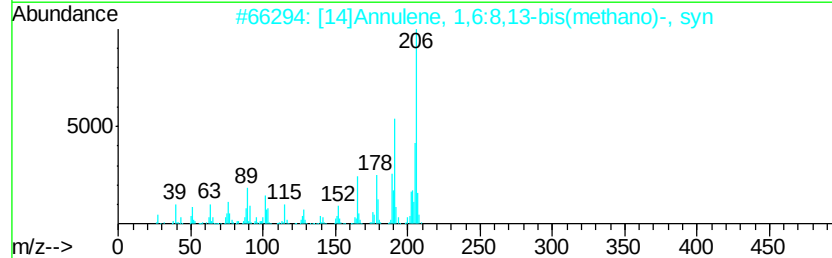
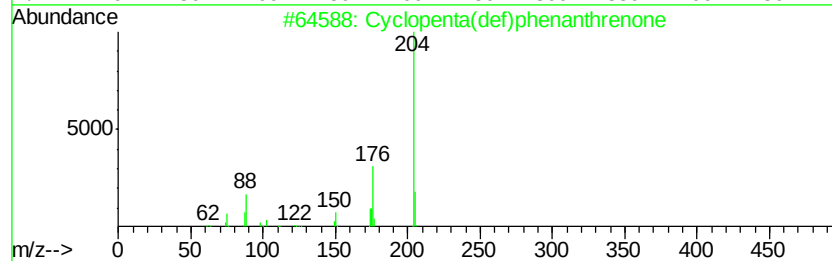
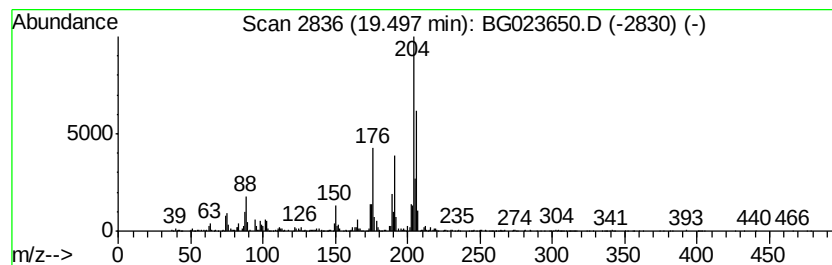
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	13.12 ng/ul	2399310	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
3		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	42
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	41



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023650.D
Acq On : 12 Aug 2016 11:10
Operator : UM/SJ
Sample : H4384-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-2430-01

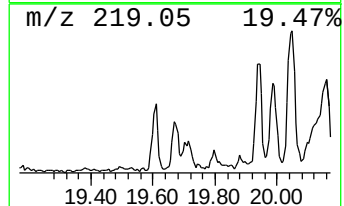
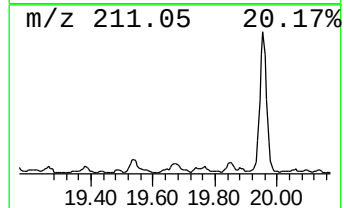
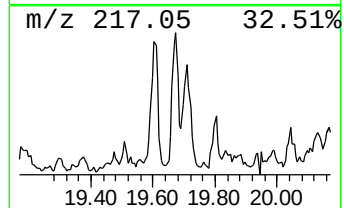
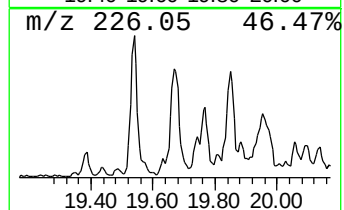
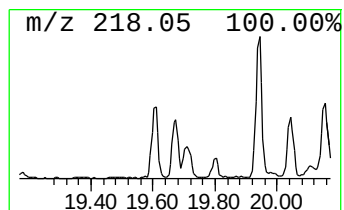
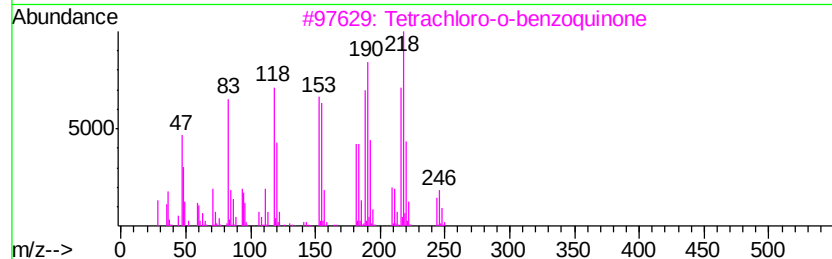
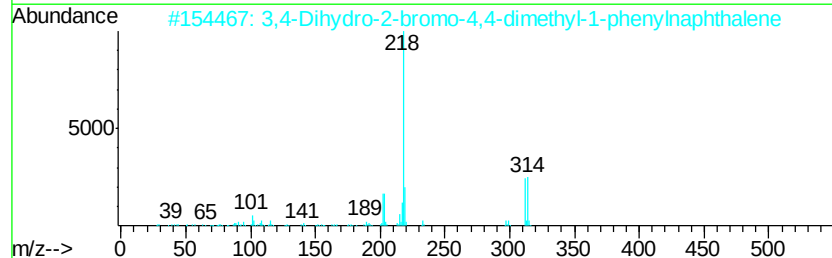
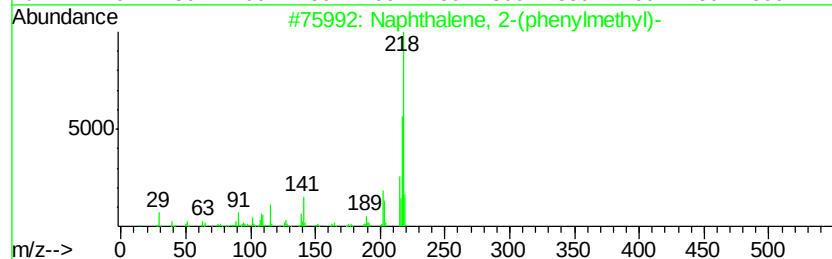
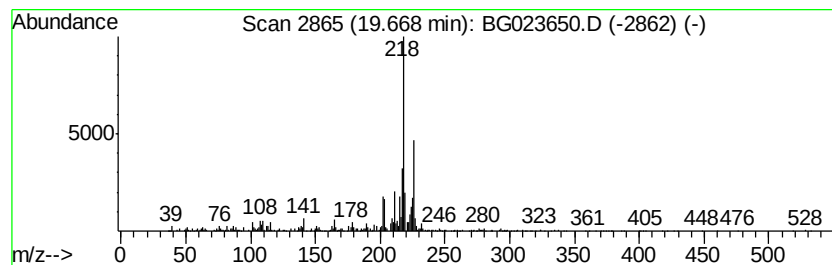
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	3.42 ng/ul	625996	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	38
2		3,4-Dihydro-2-bromo-4,4-dimethyl...	312	C18H17Br	071161-44-9	35
3		Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	35
4		Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	30
5		Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023650.D
 Acq On : 12 Aug 2016 11:10
 Operator : UM/SJ
 Sample : H4384-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS001-2430-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
Naphthalene, 2,7-...	14.11	2.9	ng/ul	433175	3	14.79	3021620	20.0
Naphthalene, 1,6,...	15.19	3.0	ng/ul	446132	3	14.79	3021620	20.0
Naphthalene, 2,3,...	15.41	2.6	ng/ul	398069	3	14.79	3021620	20.0
4,6,8-Trimethylaz...	15.57	2.2	ng/ul	334684	3	14.79	3021620	20.0
2,4,6-Cycloheptat...	16.13	2.0	ng/ul	305572	3	14.79	3021620	20.0
Cyclopentene, 1,2...	16.51	2.3	ng/ul	425083	4	17.56	3658880	20.0
9H-Fluorene, 1-me...	16.85	3.5	ng/ul	646916	4	17.56	3658880	20.0
(DEL) Alkane: Str...	17.28	2.5	ng/ul	456919	4	17.56	3658880	20.0
Dibenzothiophene	17.38	3.0	ng/ul	549482	4	17.56	3658880	20.0
Anthracene, 9,10-...	17.75	2.3	ng/ul	420410	4	17.56	3658880	20.0
(DEL) Alkane: Cyc...	17.92	2.2	ng/ul	409286	4	17.56	3658880	20.0
1-Methyldibenzoth...	18.14	4.8	ng/ul	870910	4	17.56	3658880	20.0
Dibenzothiophene,...	18.29	3.6	ng/ul	653284	4	17.56	3658880	20.0
Phenanthrene, 2-m...	18.43	19.5	ng/ul	3566730	4	17.56	3658880	20.0
Naphtho[2,3-b]nor...	18.63	19.6	ng/ul	3580970	4	17.56	3658880	20.0
2,7-Dimethyldiben...	18.83	2.5	ng/ul	466446	4	17.56	3658880	20.0
Naphthalene, 2-ph...	18.93	6.8	ng/ul	1252930	4	17.56	3658880	20.0
9,10-Anthracenedione	18.99	8.4	ng/ul	1535840	4	17.56	3658880	20.0
Phenanthrene, 3,6...	19.17	7.7	ng/ul	1404630	4	17.56	3658880	20.0
Phenanthrene, 2,5...	19.27	4.5	ng/ul	823775	4	17.56	3658880	20.0
Phenanthrene, 1,7...	19.40	9.8	ng/ul	1795470	4	17.56	3658880	20.0
Phenanthrene, 2,3...	19.44	4.2	ng/ul	761992	4	17.56	3658880	20.0
Cyclopenta(def)ph...	19.50	13.1	ng/ul	2399310	4	17.56	3658880	20.0
unknown-01	19.67	3.4	ng/ul	625996	4	17.56	3658880	20.0