

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
 Data File : BG018321.D
 Acq On : 8 Aug 2015 9:00
 Operator : UM/TP
 Sample : G3095-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01R8DL

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-BG080815.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	6.615	665	668	674	rVB3	7368	12008	1.44%	0.099%
2	6.944	718	724	731	rBV3	8690	14037	1.68%	0.115%
3	7.403	793	802	807	rBV2	64595	104762	12.56%	0.861%
4	8.143	921	928	934	rBV2	9615	16951	2.03%	0.139%
5	8.560	995	999	1007	rVB2	8936	15430	1.85%	0.127%
6	9.277	1116	1121	1128	rVB4	8554	14823	1.78%	0.122%
7	9.829	1209	1215	1221	rBV4	11166	19342	2.32%	0.159%
8	10.188	1270	1276	1281	rBV	98953	162737	19.51%	1.338%
9	10.235	1281	1284	1291	rVB3	9234	12879	1.54%	0.106%
10	13.413	1817	1825	1830	rBV2	6621	11671	1.40%	0.096%
11	13.507	1836	1841	1846	rVV	23943	31974	3.83%	0.263%
12	13.777	1881	1887	1890	rBV	23810	34334	4.12%	0.282%
13	13.813	1890	1893	1901	rVB2	10473	19056	2.28%	0.157%
14	14.089	1935	1940	1947	rBV2	149802	223590	26.81%	1.838%
15	14.153	1947	1951	1954	rBV3	24387	32138	3.85%	0.264%
16	14.494	2004	2009	2014	rBV2	13723	22118	2.65%	0.182%
17	15.094	2106	2111	2115	rVV	32126	45443	5.45%	0.374%
18	15.146	2115	2120	2126	rVB2	28234	39854	4.78%	0.328%
19	15.593	2192	2196	2203	rVB4	7970	14794	1.77%	0.122%
20	16.139	2284	2289	2290	rBV2	10050	12638	1.52%	0.104%
21	16.157	2290	2292	2297	rVV3	11093	13941	1.67%	0.115%
22	16.210	2297	2301	2306	rVB3	7684	11567	1.39%	0.095%
23	16.427	2335	2338	2342	rVB3	7771	10141	1.22%	0.083%
24	16.509	2348	2352	2357	rVB3	18065	22964	2.75%	0.189%
25	16.668	2375	2379	2389	rVB	29026	40296	4.83%	0.331%
26	16.850	2402	2410	2413	rBV	191626	269675	32.34%	2.217%
27	16.891	2413	2417	2423	rVV	397187	542458	65.04%	4.459%
28	16.950	2423	2427	2429	rVV2	38975	54541	6.54%	0.448%
29	16.985	2429	2433	2439	rVV	76113	110345	13.23%	0.907%
30	17.044	2439	2443	2448	rVV6	11727	18965	2.27%	0.156%
31	17.262	2476	2480	2486	rBV	25157	33355	4.00%	0.274%
32	17.373	2493	2499	2503	rBV2	17080	23742	2.85%	0.195%
33	17.432	2505	2509	2516	rVB2	19613	30737	3.69%	0.253%
34	17.573	2530	2533	2540	rVB4	13631	23246	2.79%	0.191%

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35	17.655	2540	2547	2551	rBV6	8738	17984	2.16%	0.148%
36	17.726	2555	2559	2563	rBV	70045	100605	12.06%	0.827%
37	17.779	2563	2568	2575	rVB	95470	135179	16.21%	1.111%
38	17.861	2575	2582	2586	rBV	33046	53558	6.42%	0.440%
39	17.925	2586	2593	2597	rBV3	212462	360770	43.26%	2.966%
40	18.043	2609	2613	2616	rBV5	8289	13259	1.59%	0.109%
41	18.131	2624	2628	2633	rBV4	9961	15462	1.85%	0.127%
42	18.219	2636	2643	2644	rBV3	55452	76917	9.22%	0.632%
43	18.284	2650	2654	2660	rVB3	35046	58493	7.01%	0.481%
44	18.360	2664	2667	2669	rBV3	12011	11953	1.43%	0.098%
45	18.396	2670	2673	2680	rVB7	20366	26344	3.16%	0.217%
46	18.454	2680	2683	2686	rBV4	8611	13941	1.67%	0.115%
47	18.490	2686	2689	2693	rVB4	21816	31096	3.73%	0.256%
48	18.537	2693	2697	2701	rBV3	18736	25271	3.03%	0.208%
49	18.572	2701	2703	2709	rVB4	15914	24064	2.89%	0.198%
50	18.666	2713	2719	2724	rBV3	51356	97918	11.74%	0.805%
51	18.713	2724	2727	2732	rVV5	35516	51878	6.22%	0.426%
52	18.789	2732	2740	2751	rVB7	172762	360570	43.23%	2.964%
53	18.877	2751	2755	2758	rBV5	25161	34283	4.11%	0.282%
54	18.930	2758	2764	2771	rVB	645606	833995	100.00%	6.856%
55	19.001	2771	2776	2784	rBV10	51519	112285	13.46%	0.923%
56	19.077	2784	2789	2794	rVB	228184	322286	38.64%	2.649%
57	19.142	2795	2800	2803	rBV4	92143	120782	14.48%	0.993%
58	19.212	2809	2812	2817	rVB7	15947	21999	2.64%	0.181%
59	19.271	2817	2822	2823	rBV2	150676	212784	25.51%	1.749%
60	19.294	2823	2826	2831	rVV	572338	695097	83.35%	5.714%
61	19.336	2831	2833	2836	rVB3	37437	41790	5.01%	0.344%
62	19.418	2844	2847	2852	rVB	96096	119862	14.37%	0.985%
63	19.471	2852	2856	2860	rBV2	56464	76769	9.20%	0.631%
64	19.529	2862	2866	2874	rVB2	265669	326376	39.13%	2.683%
65	19.624	2877	2882	2888	rBV4	49633	127568	15.30%	1.049%
66	19.753	2900	2904	2906	rBV3	38811	51510	6.18%	0.423%
67	19.794	2907	2911	2915	rVB2	184442	252109	30.23%	2.073%
68	19.847	2915	2920	2925	rBV	196435	235676	28.26%	1.937%
69	19.894	2925	2928	2934	rVV	61305	95243	11.42%	0.783%
70	19.953	2935	2938	2941	rVV2	61923	83674	10.03%	0.688%
71	19.994	2942	2945	2949	rVB2	40524	54618	6.55%	0.449%

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72	20.076	2955	2959	2964	rBV2	114448	175766	21.08%	1.445%
73	20.123	2964	2967	2969	rBV3	54954	68283	8.19%	0.561%
74	20.229	2981	2985	2988	rVV6	25650	34273	4.11%	0.282%
75	20.258	2988	2990	2994	rVB4	16332	19892	2.39%	0.164%
76	20.393	3006	3013	3022	rVB5	141006	250310	30.01%	2.058%
77	20.505	3030	3032	3034	rBV3	14951	13465	1.61%	0.111%
78	20.552	3036	3040	3046	rVB	68885	100317	12.03%	0.825%
79	20.605	3046	3049	3051	rBV3	14077	14743	1.77%	0.121%
80	20.705	3060	3066	3071	rBV2	97667	192089	23.03%	1.579%
81	20.746	3071	3073	3077	rVV	58244	72085	8.64%	0.593%
82	20.787	3077	3080	3086	rVV2	45635	103480	12.41%	0.851%
83	20.846	3087	3090	3095	rVB	58347	80389	9.64%	0.661%
84	20.951	3105	3108	3111	rBV	38475	45652	5.47%	0.375%
85	20.992	3111	3115	3121	rVV	414131	473460	56.77%	3.892%
86	21.057	3121	3126	3131	rVV2	337107	645053	77.34%	5.303%
87	21.104	3131	3134	3144	rVB	284492	349049	41.85%	2.869%
88	21.216	3150	3153	3158	rBV2	44003	64702	7.76%	0.532%
89	21.327	3168	3172	3176	rVB2	111321	140479	16.84%	1.155%
90	21.386	3176	3182	3186	rBV8	30397	77119	9.25%	0.634%
91	21.545	3207	3209	3213	rVB3	37047	36757	4.41%	0.302%
92	21.651	3224	3227	3232	rVB	33949	47643	5.71%	0.392%
93	21.792	3248	3251	3253	rBV3	30606	31289	3.75%	0.257%
94	22.579	3379	3385	3396	rVB	206268	553244	66.34%	4.548%
95	22.738	3409	3412	3418	rVB	38022	55447	6.65%	0.456%
96	23.031	3457	3462	3469	rBV2	107454	198336	23.78%	1.630%
97	23.125	3473	3478	3485	rVB	186239	309925	37.16%	2.548%
98	23.219	3489	3494	3498	rBV2	97371	153460	18.40%	1.262%
99	25.381	3854	3862	3872	rVB2	108808	297816	35.71%	2.448%
100	26.040	3968	3974	3986	rVB2	70430	199102	23.87%	1.637%

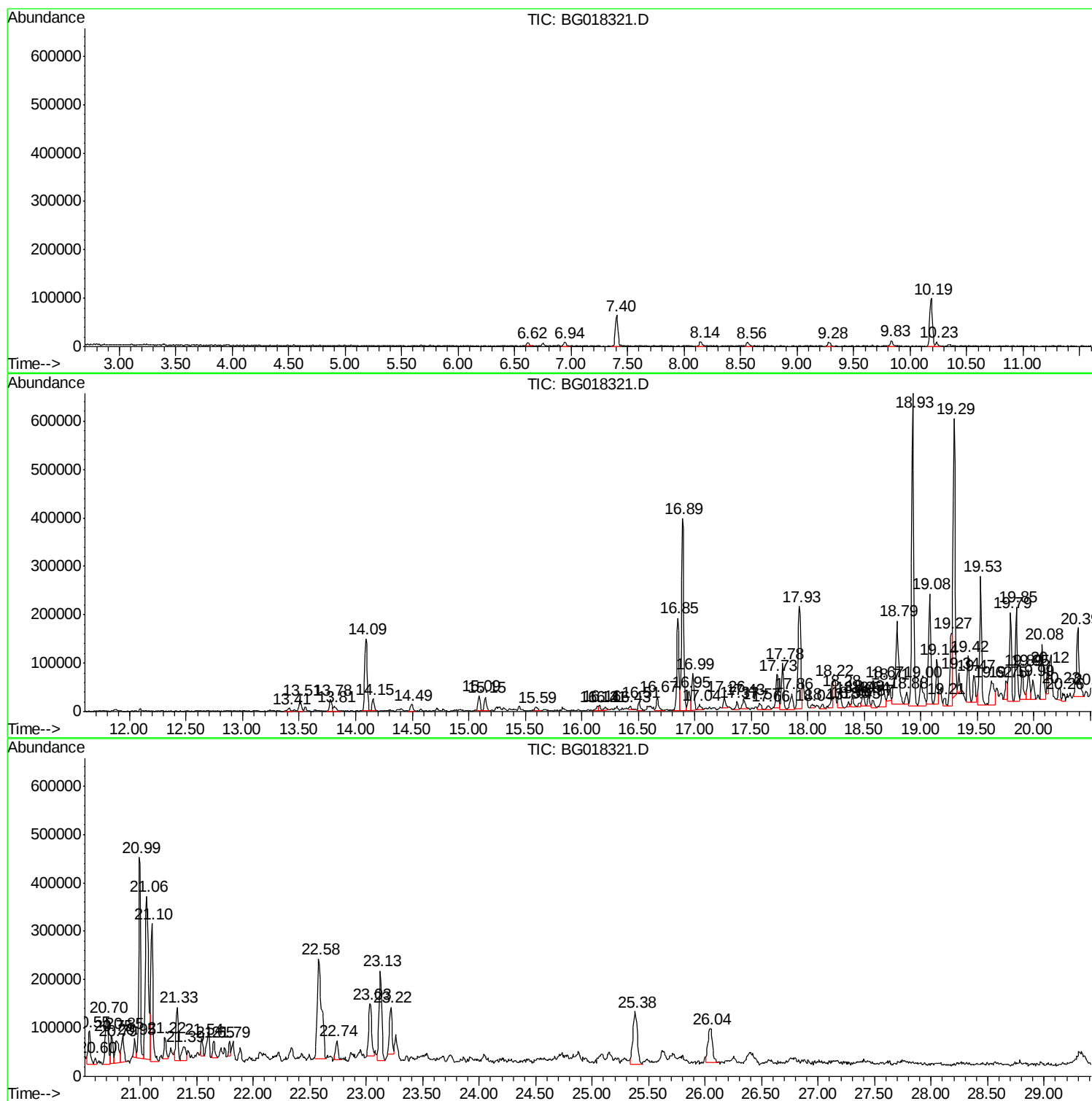
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

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



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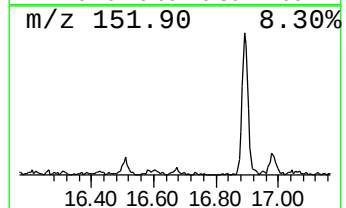
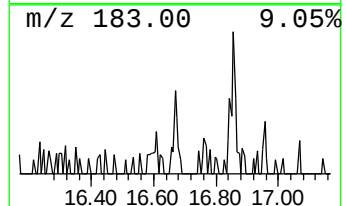
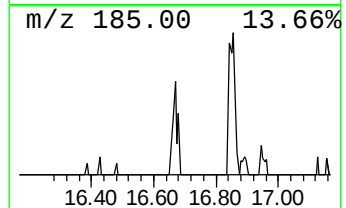
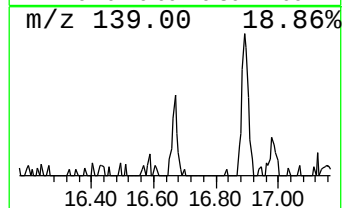
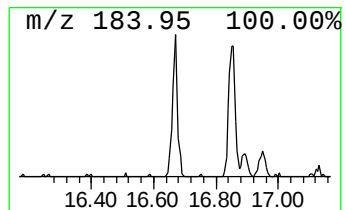
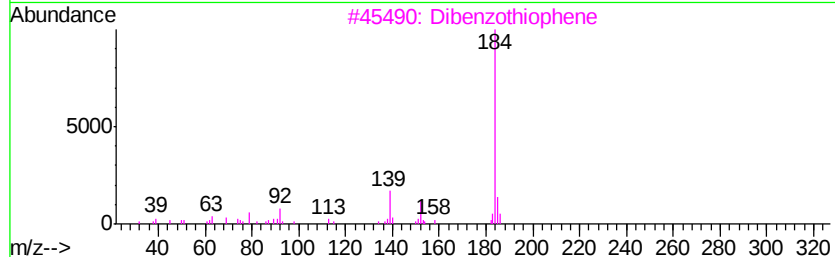
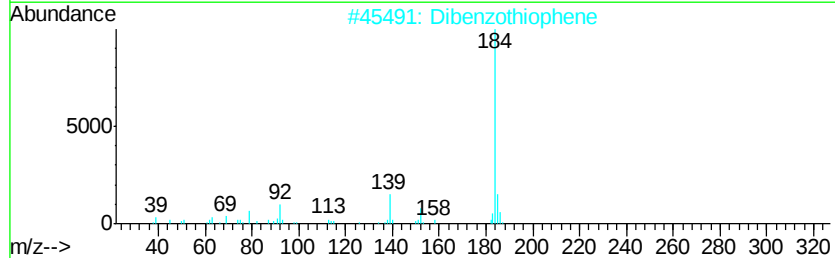
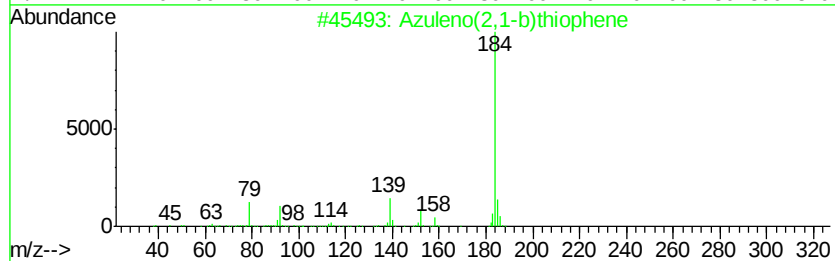
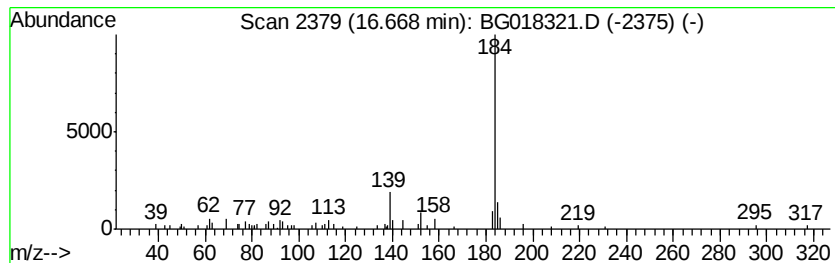
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Azuleno(2,1-b)thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.67	2.99 ng/ul	40296	Phenanthrene-d10	16.85		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
2		Dibenzothiophene	184	C12H8S	000132-65-0	87
3		Dibenzothiophene	184	C12H8S	000132-65-0	78
4		Dibenzothiophene	184	C12H8S	000132-65-0	72
5		Dibenzothiophene	184	C12H8S	000132-65-0	72



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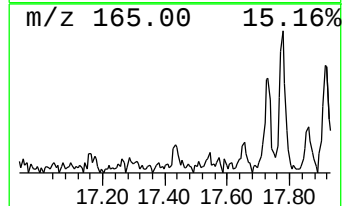
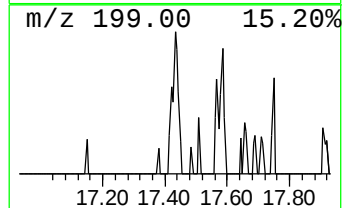
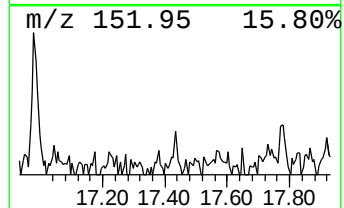
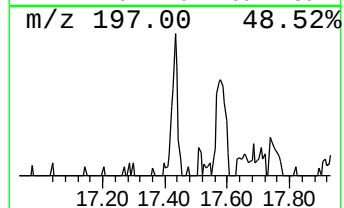
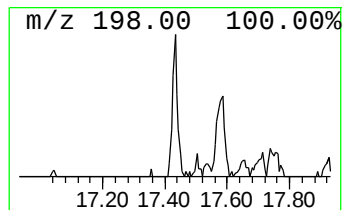
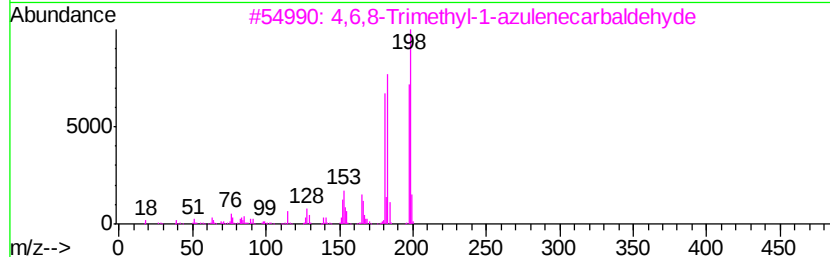
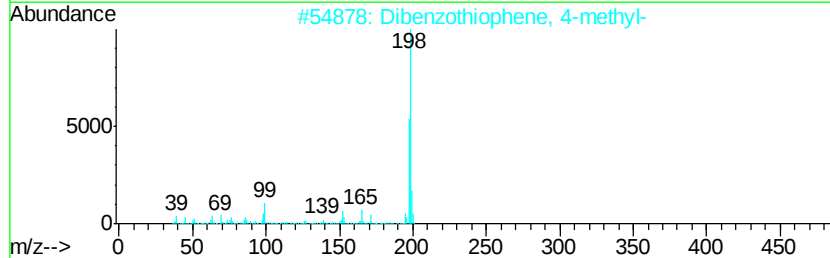
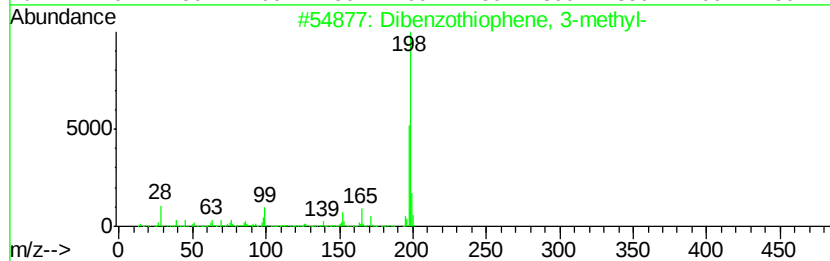
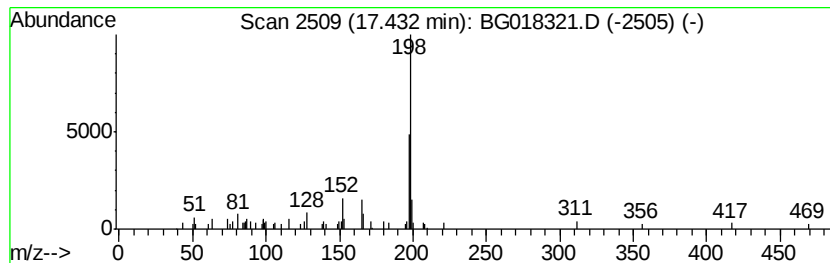
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzothiophene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.28 ng/ul	30737	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	80
3		4,6,8-Trimethyl-1-azulenecarbalde...	198	C14H14O	000832-62-2	72
4		Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	72
5		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72



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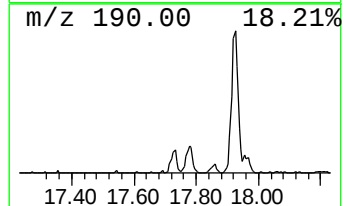
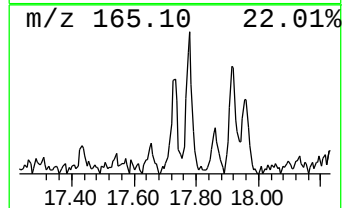
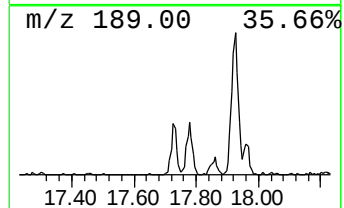
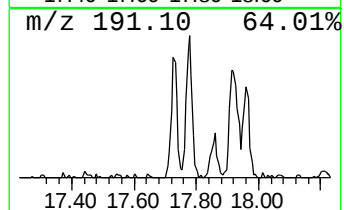
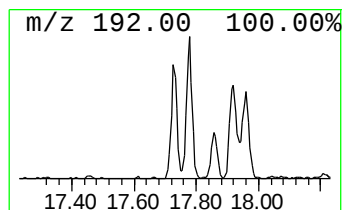
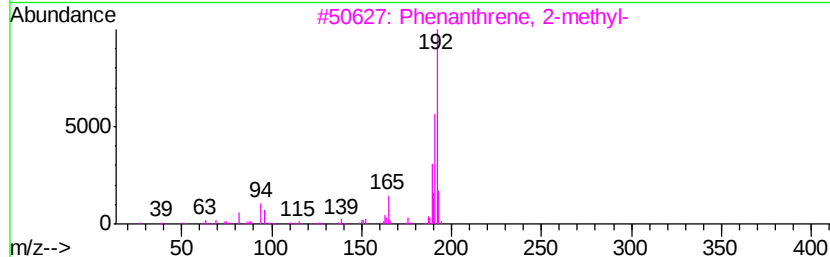
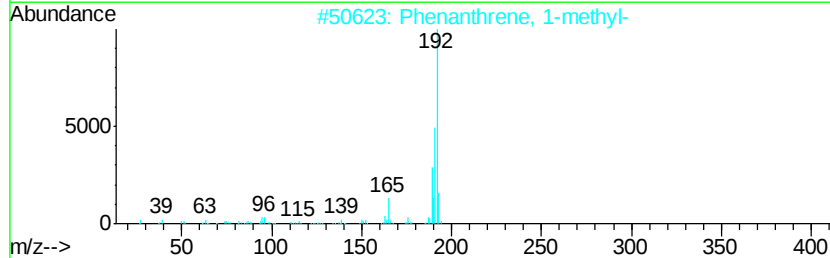
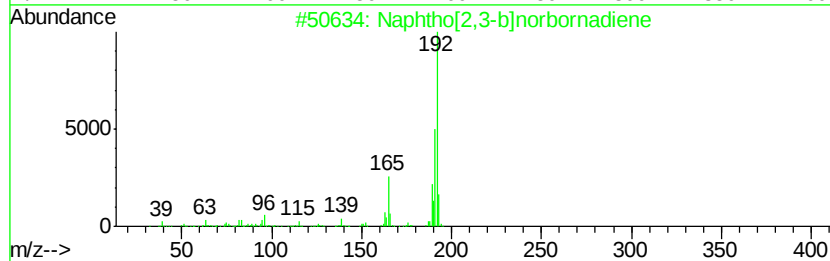
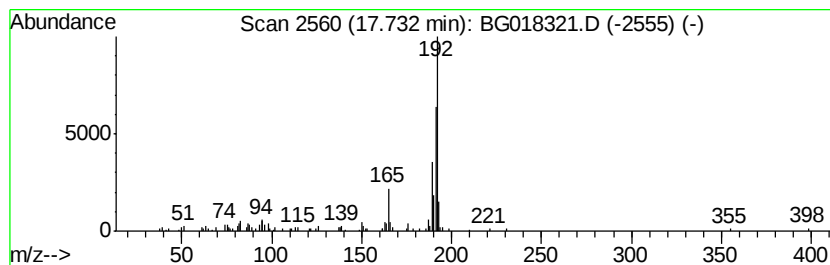
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Peak Number 3 Naphtho[2,3-b]norbornadiene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	7.46 ng/ul	100605	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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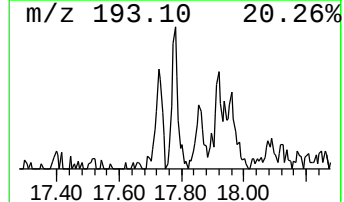
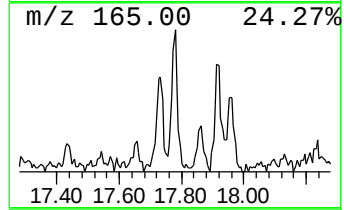
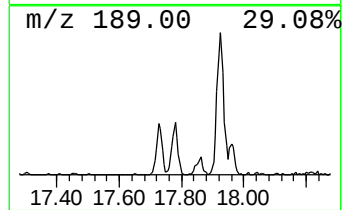
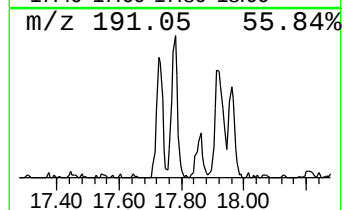
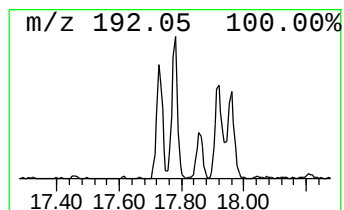
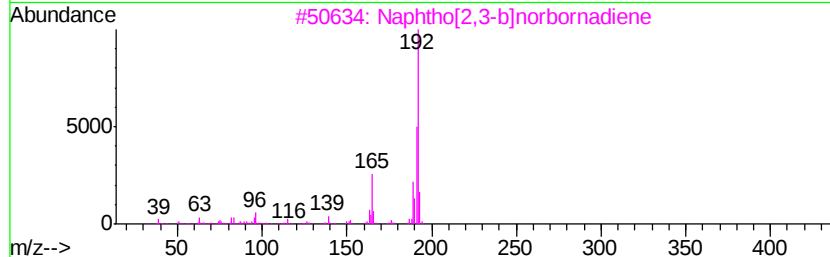
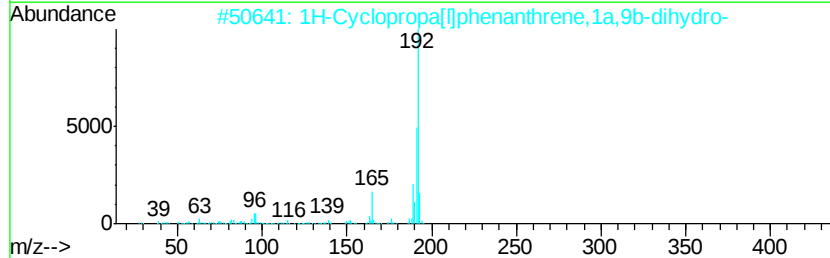
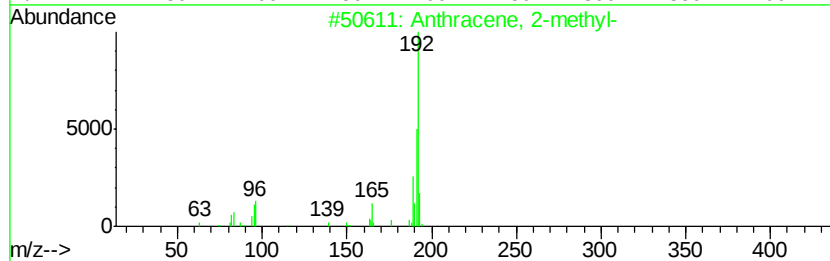
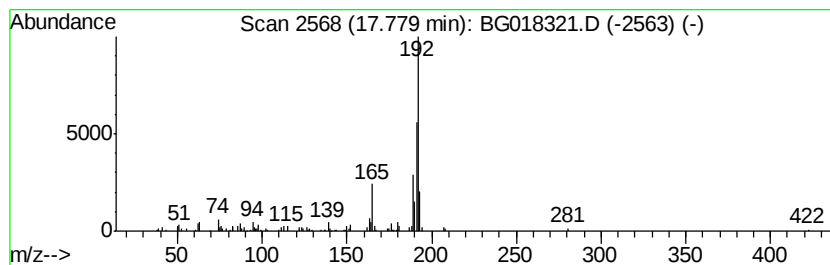
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	10.03 ng/ul	135179	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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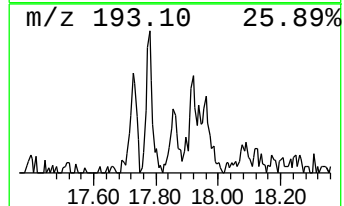
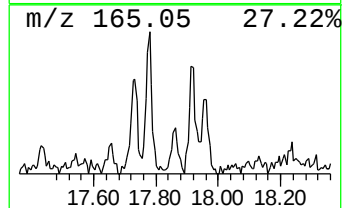
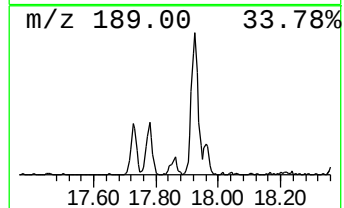
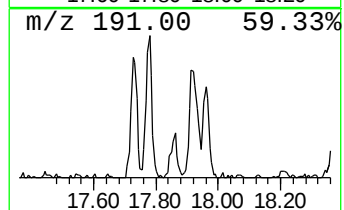
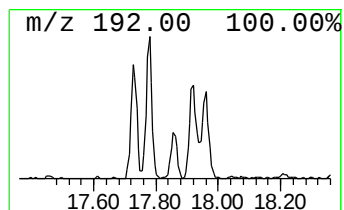
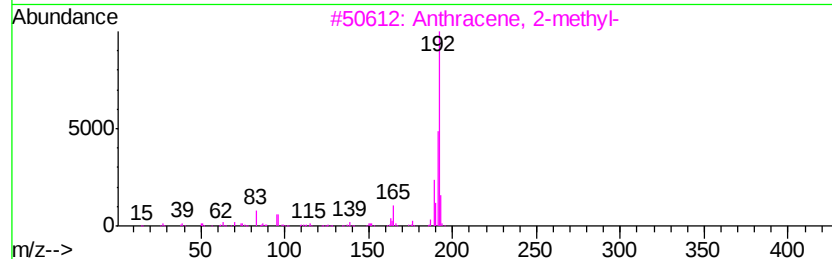
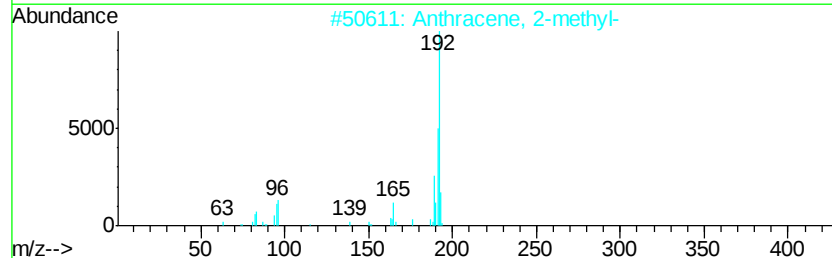
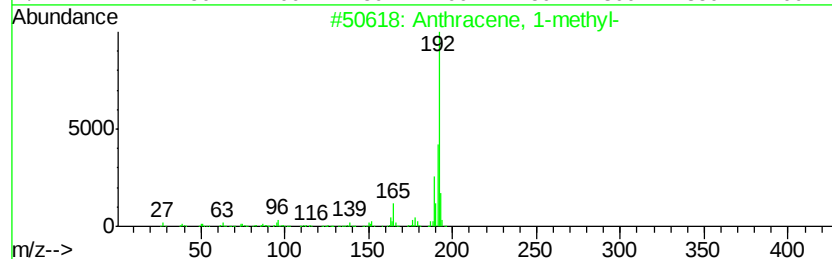
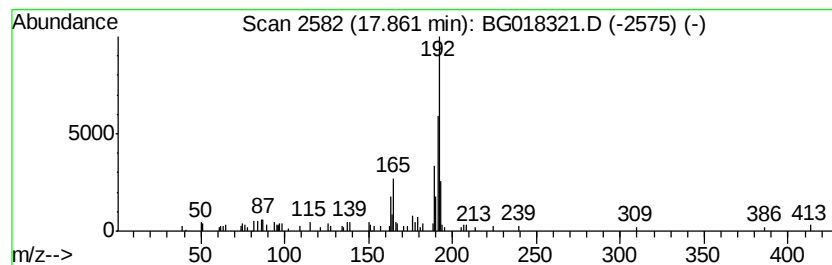
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.97 ng/ul	53558	Phenanthrene-d10	16.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
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Instrument :
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ClientSampleId :
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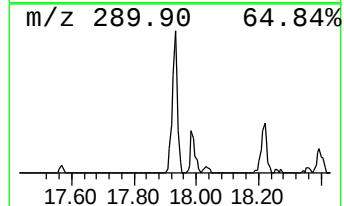
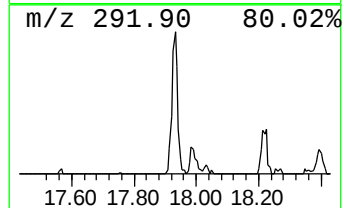
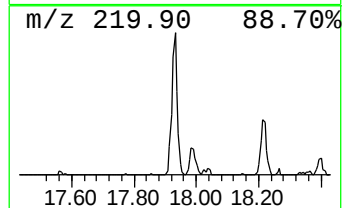
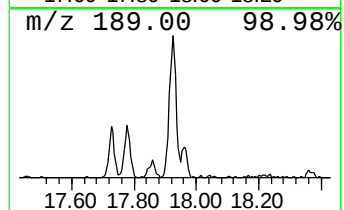
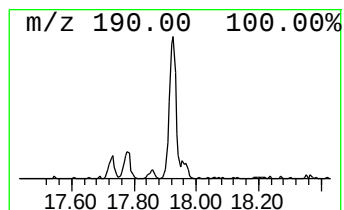
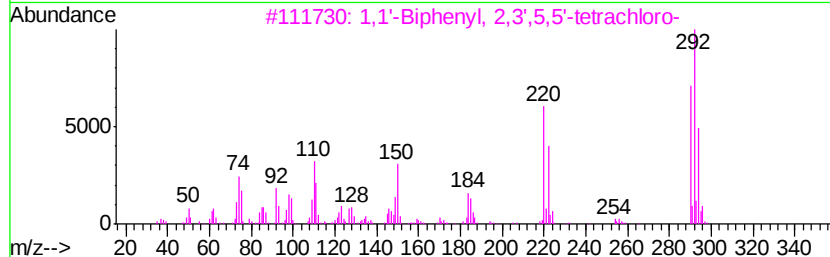
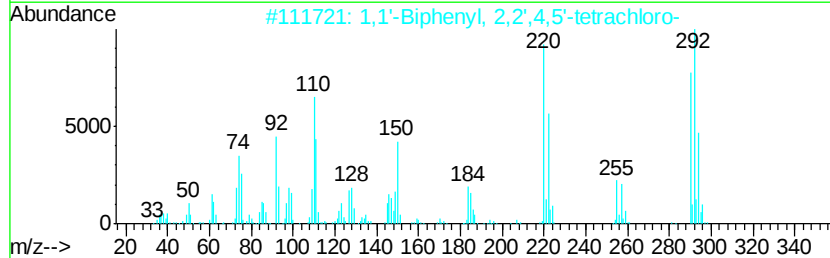
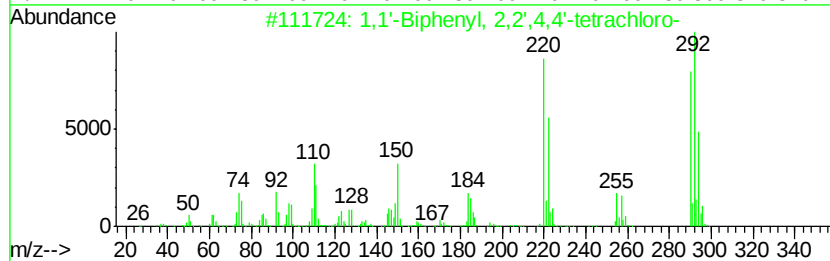
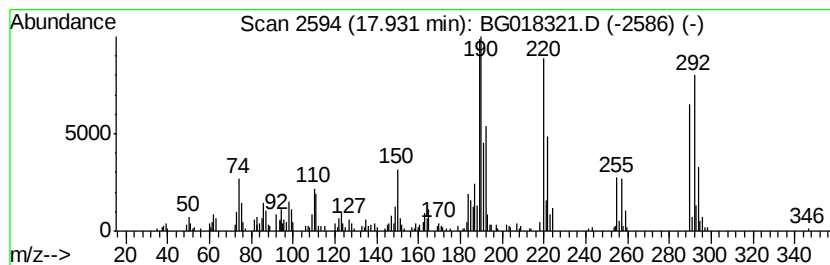
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	26.76 ng/ul	360770	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94
2		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	93
3		1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	90
4		1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	76
5		1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	76



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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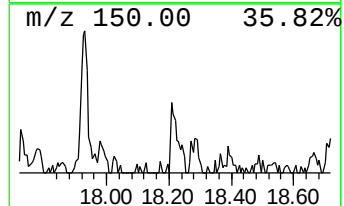
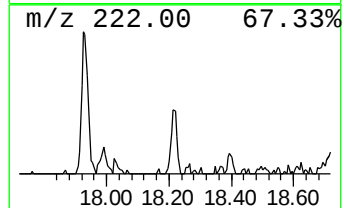
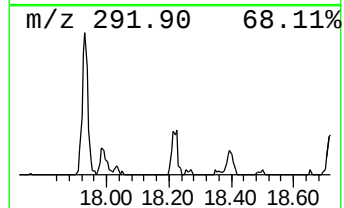
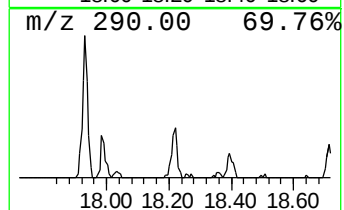
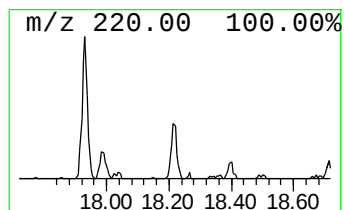
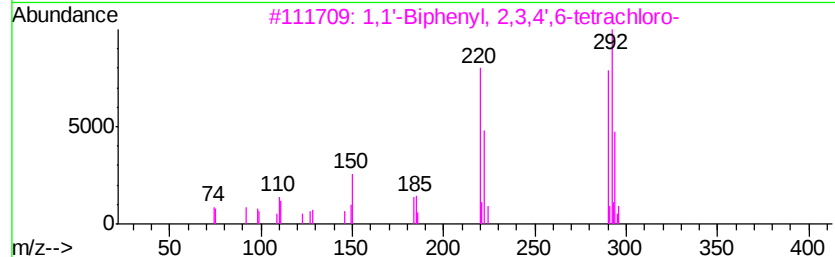
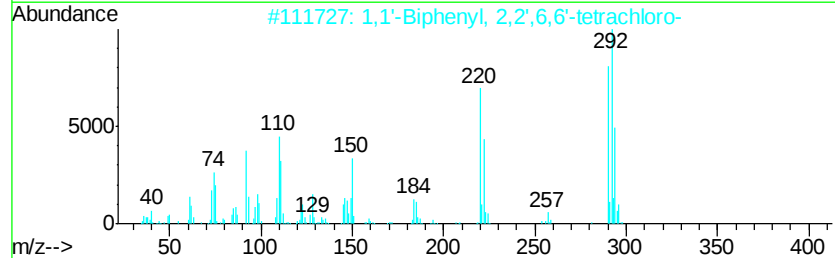
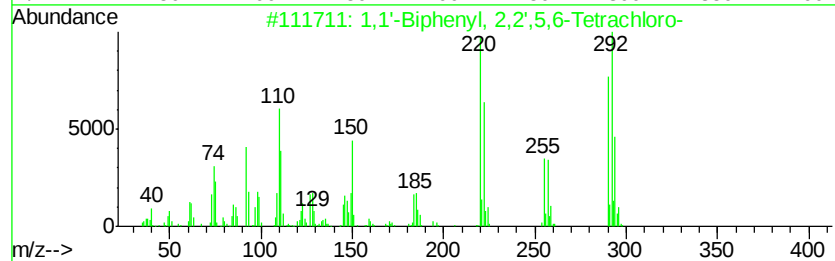
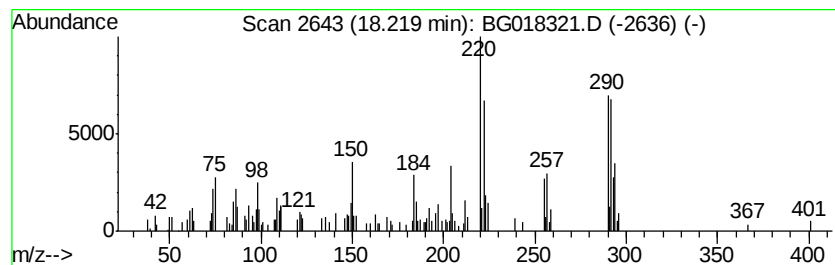
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	5.70 ng/ul	76917	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94
2		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	93
3		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	93
4		1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	93
5		1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
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ClientSampleId :
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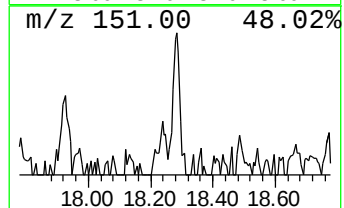
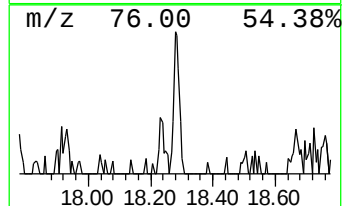
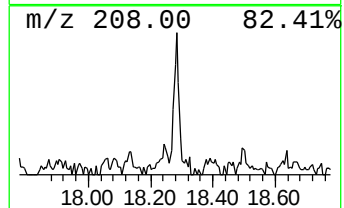
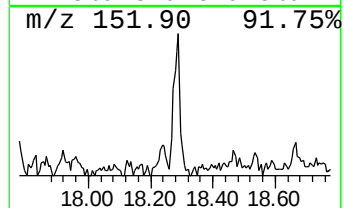
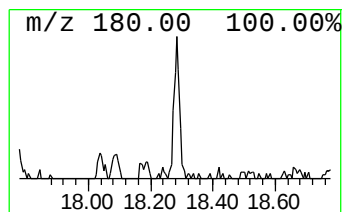
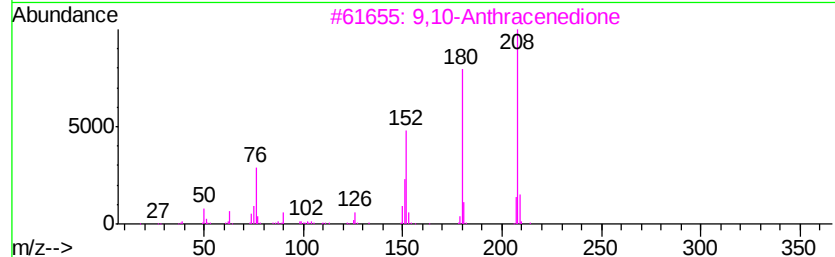
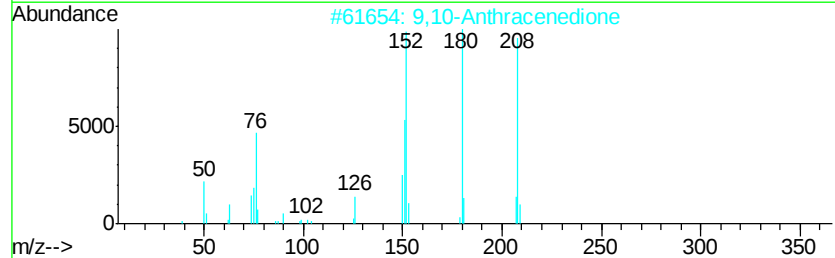
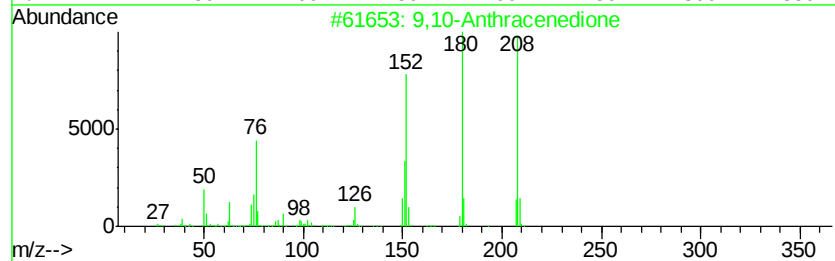
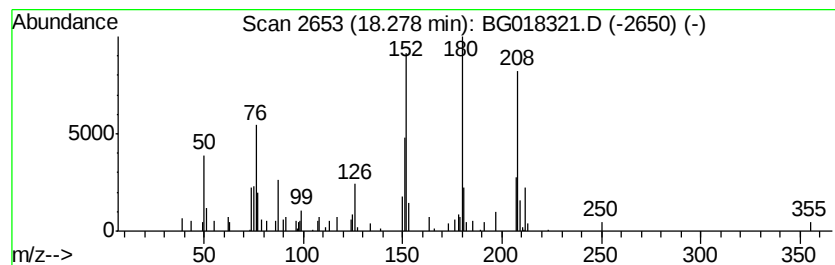
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	4.34 ng/ul	58493	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	78



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
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ClientSampleId :
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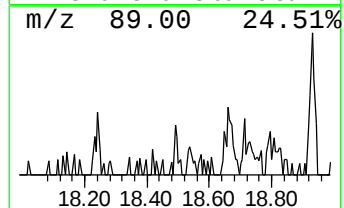
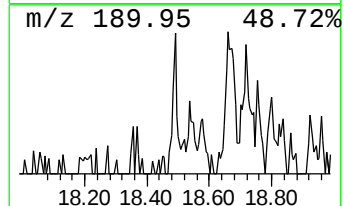
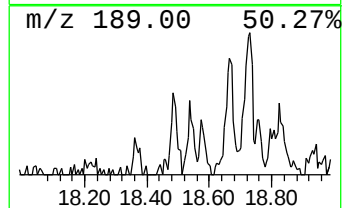
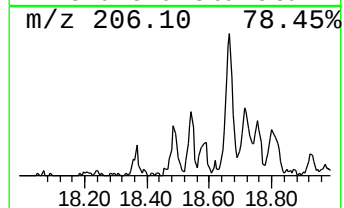
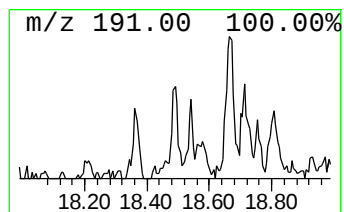
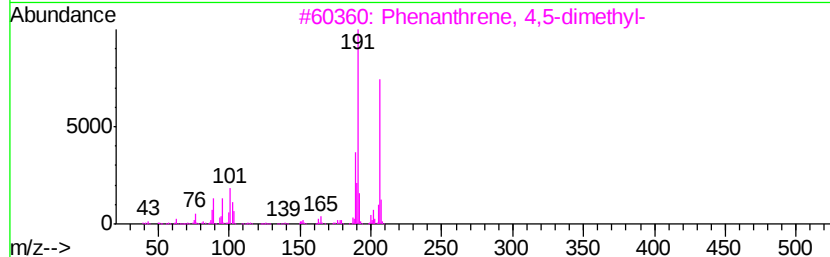
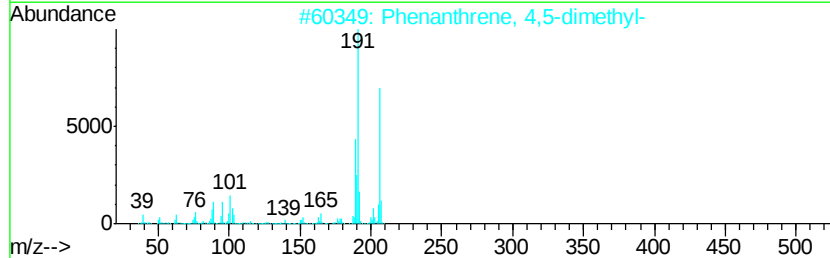
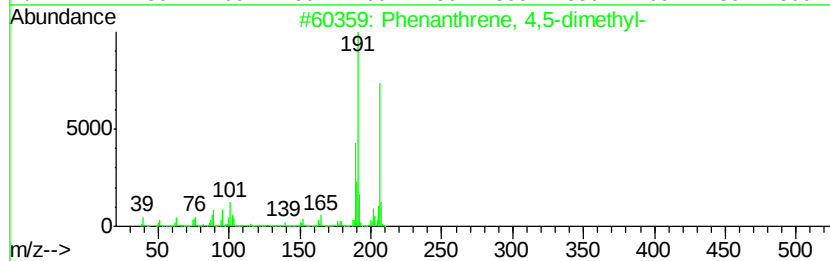
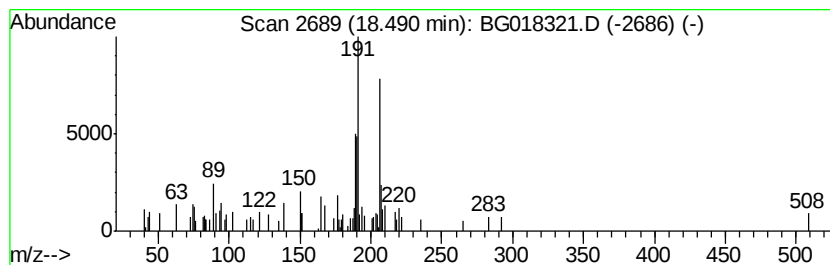
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.31 ng/ul	31096	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	59
4		Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	50
5		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
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Sample : G3095-08DL 5X
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ClientSampleId :
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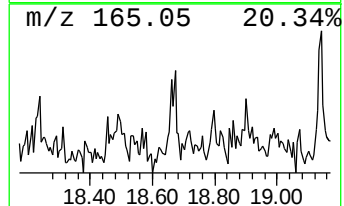
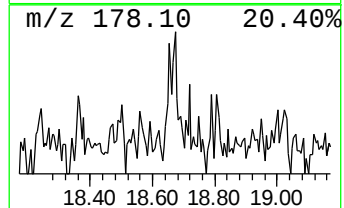
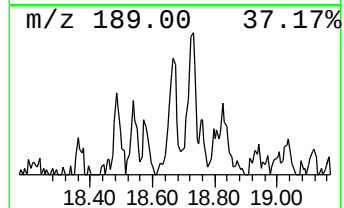
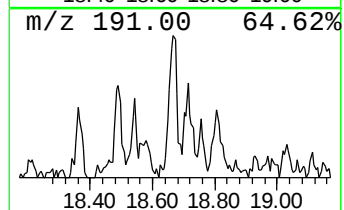
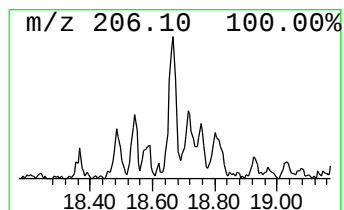
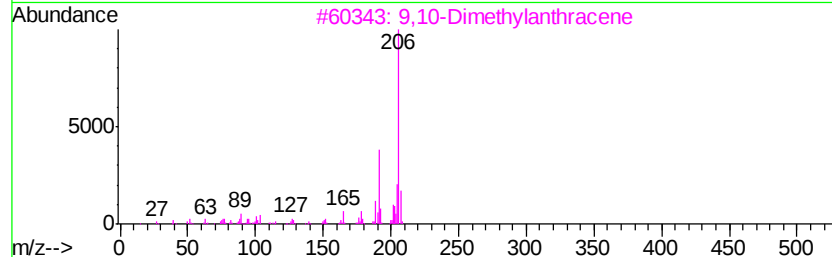
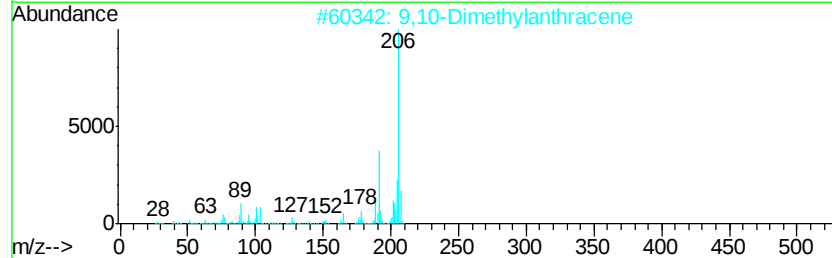
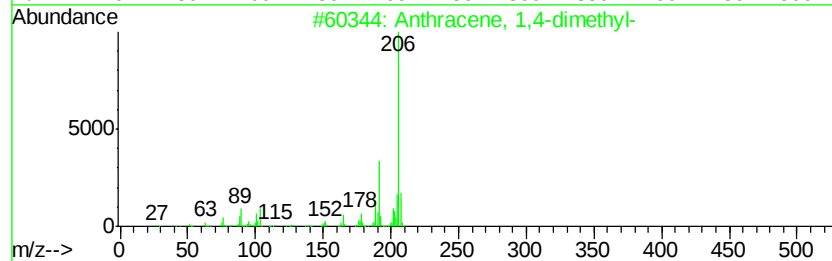
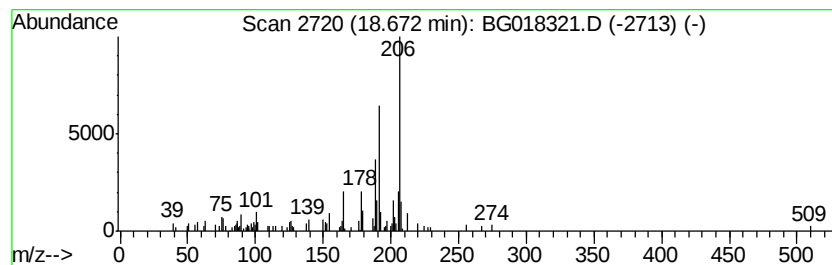
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Anthracene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	7.26 ng/ul	97918	Phenanthrene-d10	16.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

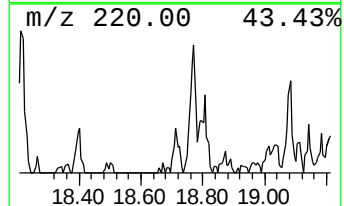
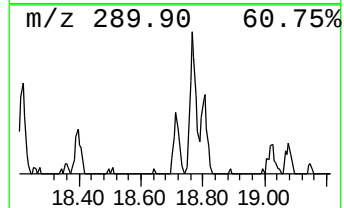
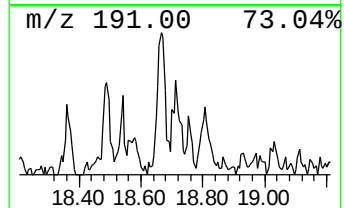
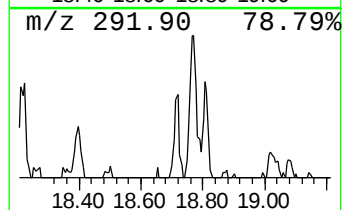
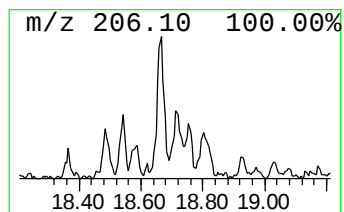
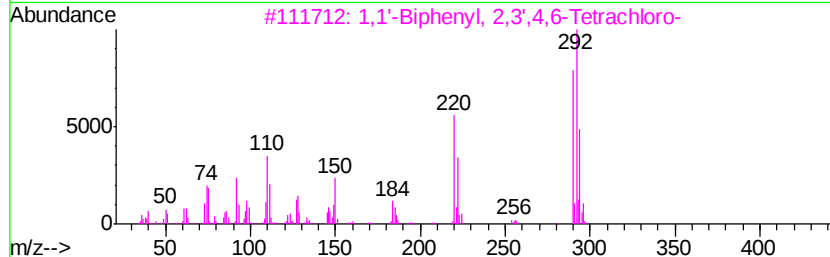
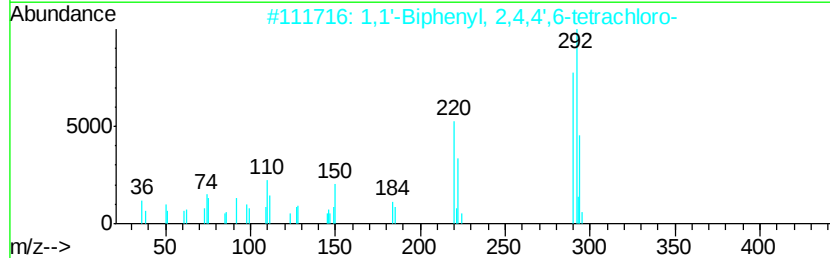
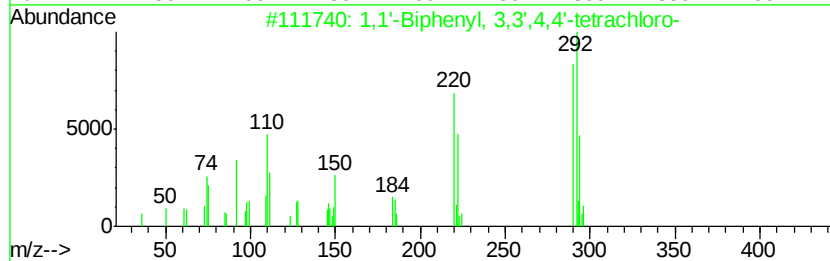
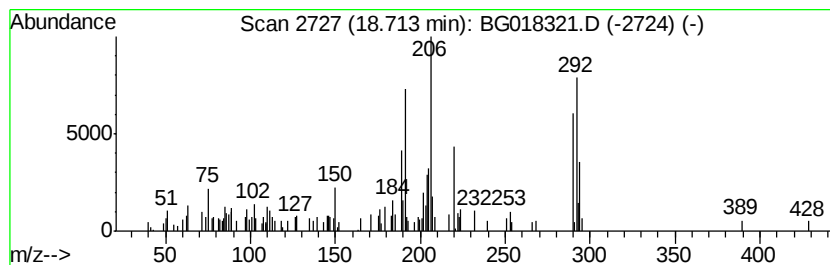
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	3.85 ng/ul	51878	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	86
2		1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	64
3		1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	64
4		1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	64
5		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

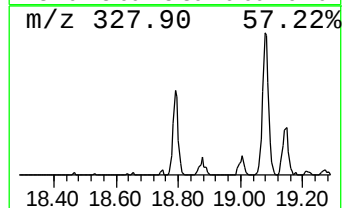
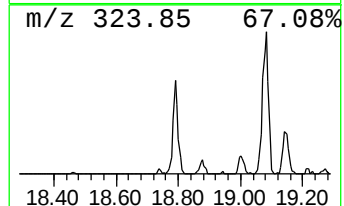
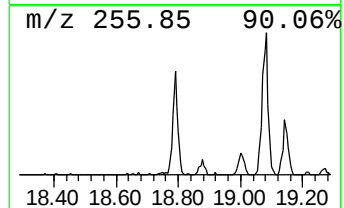
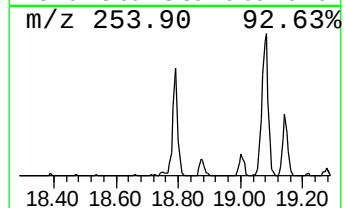
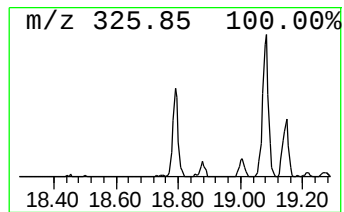
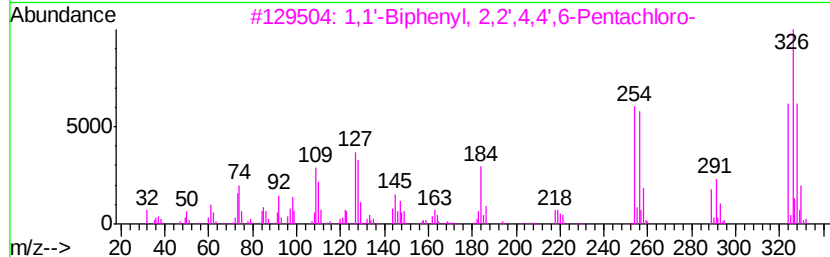
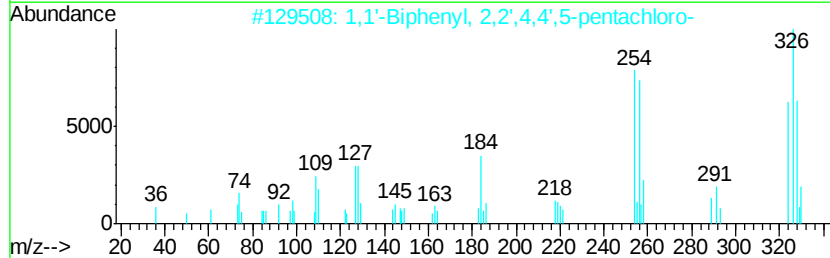
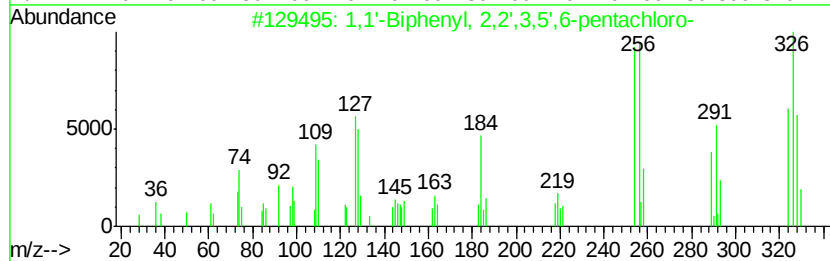
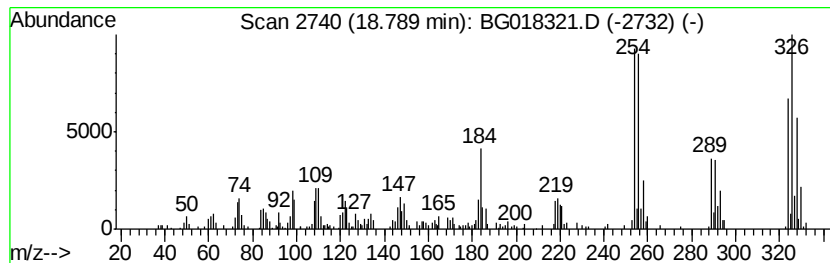
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	26.74 ng/ul	360570	Phenanthrene-d10	16.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	96
2		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
3		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
4		1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	94
5		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

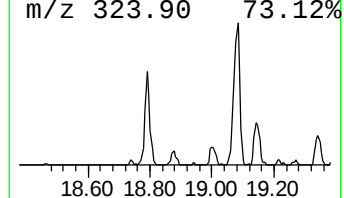
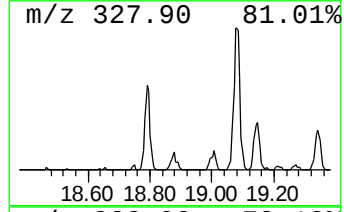
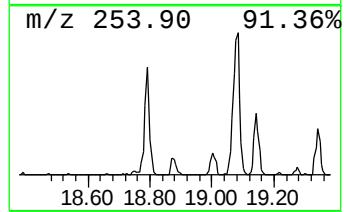
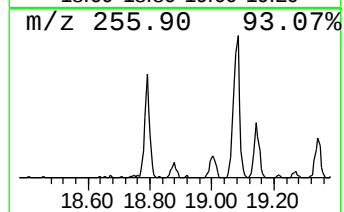
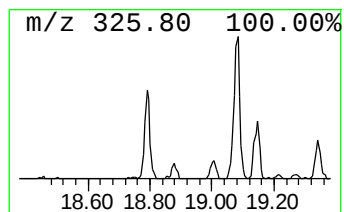
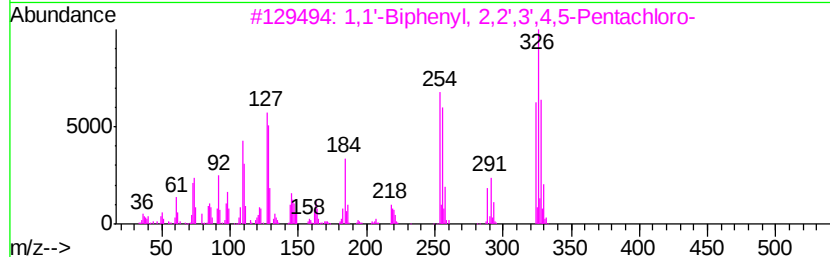
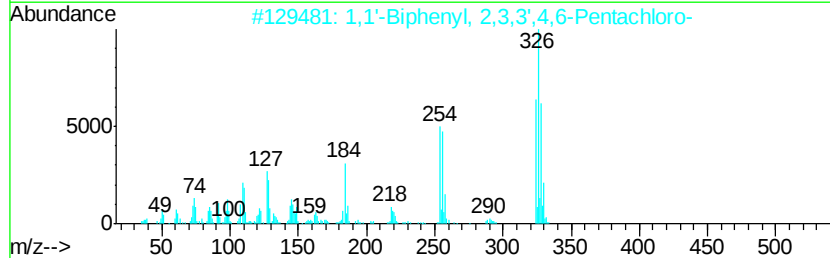
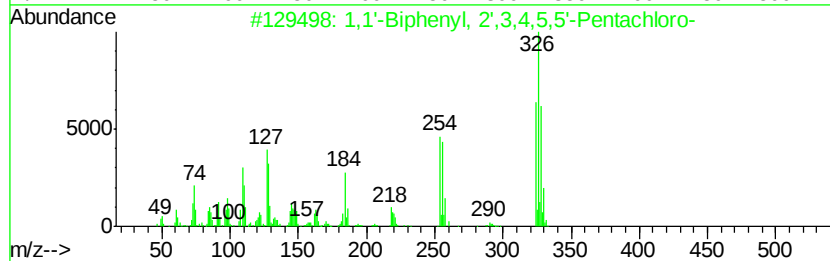
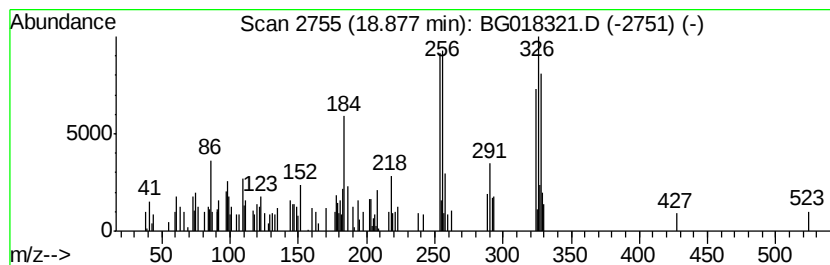
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.88	2.54 ng/ul	34283	Phenanthrene-d10	16.85		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	93
2	1,1'-Biphenyl,	2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	93
3	1,1'-Biphenyl,	2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	93
4	1,1'-Biphenyl,	2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	93
5	1,1'-Biphenyl,	2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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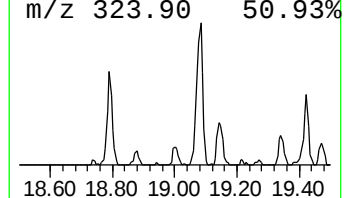
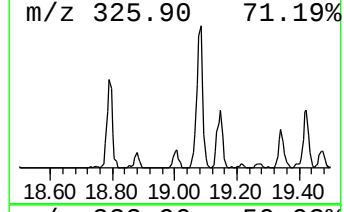
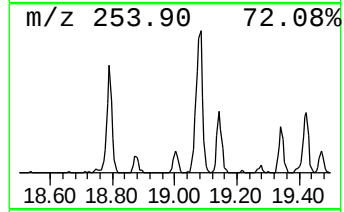
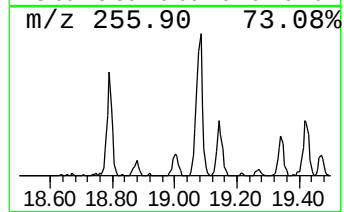
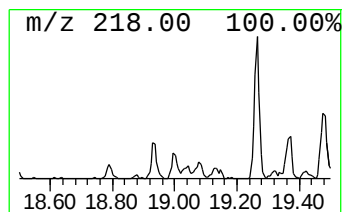
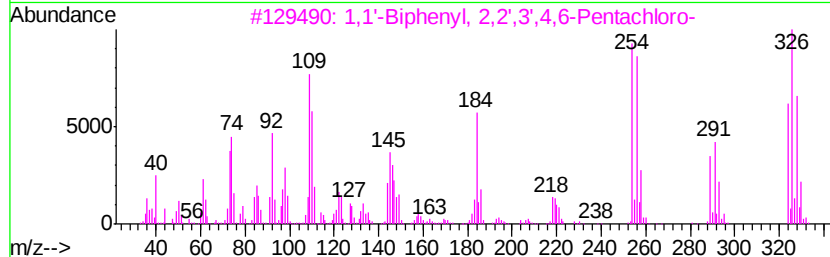
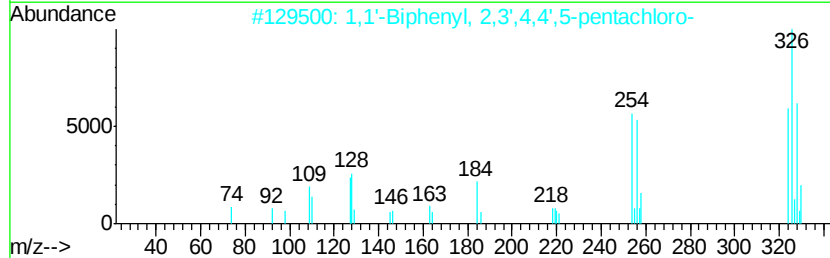
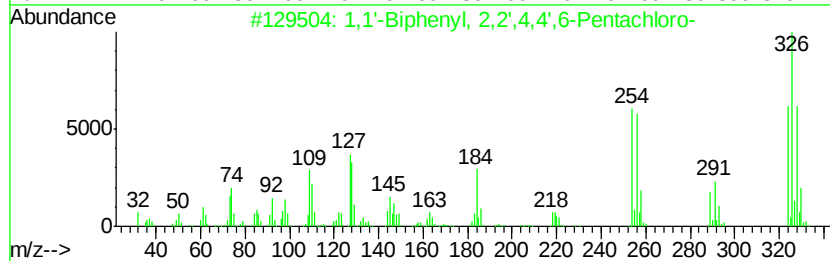
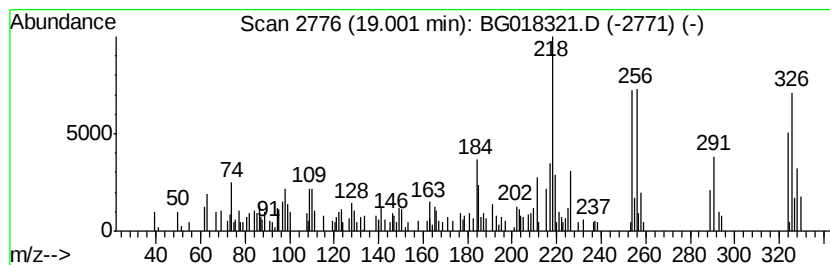
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	3.48 ng/ul	112285	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	78
2	1,1'	-Biphenyl,	2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	78
3	1,1'	-Biphenyl,	2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	58
4	1,1'	-Biphenyl,	2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	58
5	1,1'	-Biphenyl,	2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C01R8DL

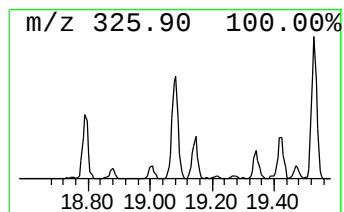
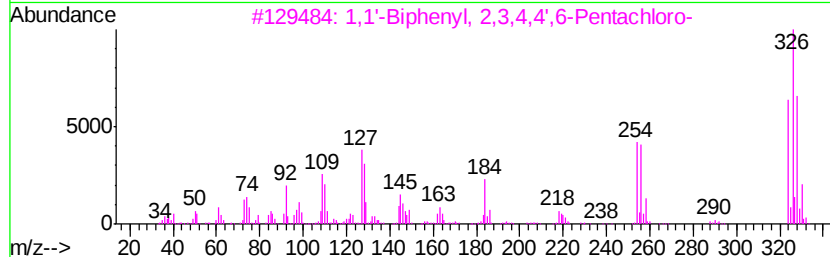
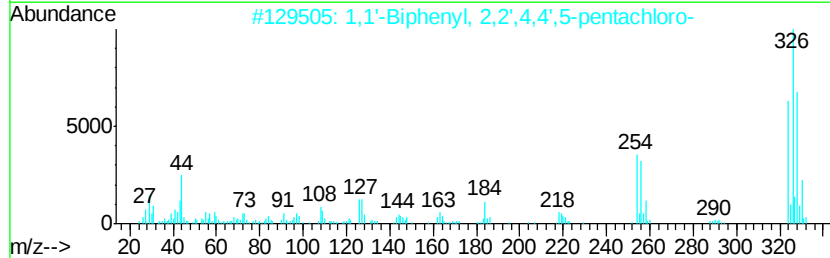
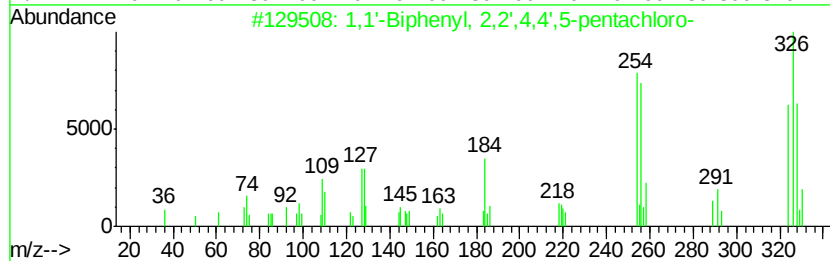
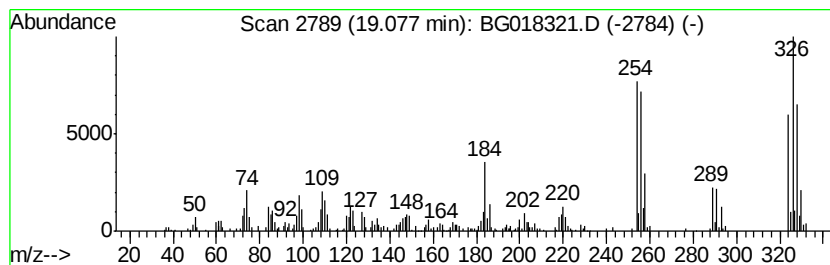
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	9.99 ng/ul	322286	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
2		1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
3		1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	94
4		1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	94
5		1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C01R8DL

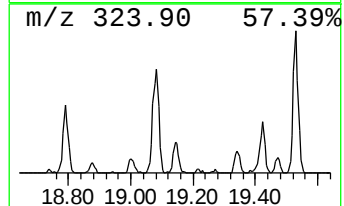
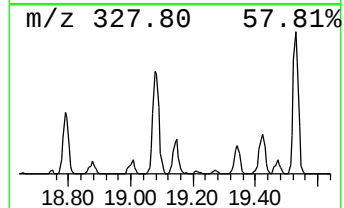
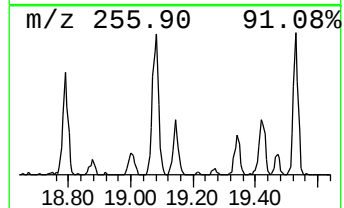
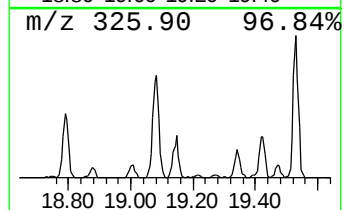
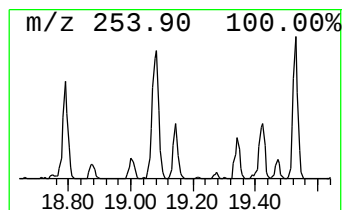
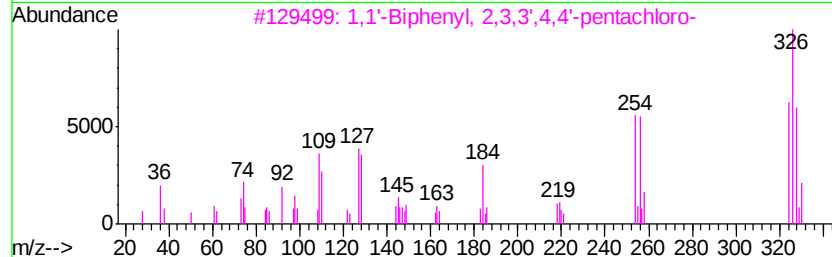
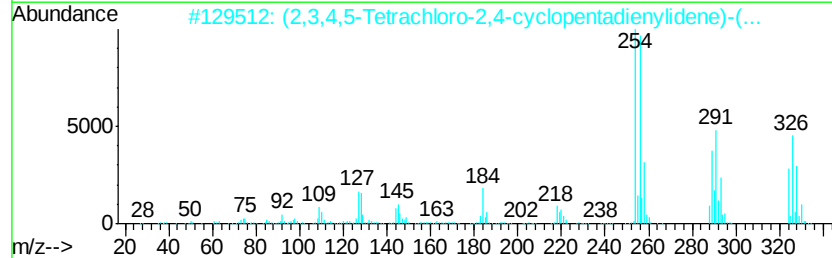
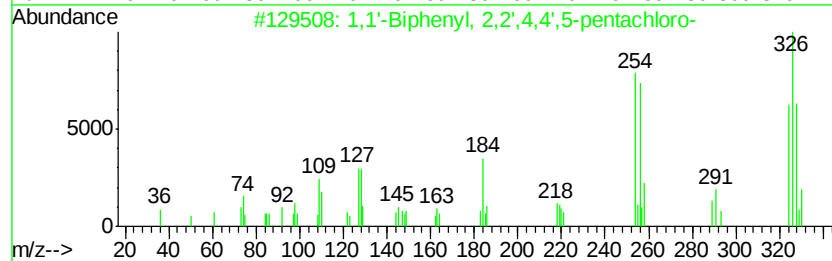
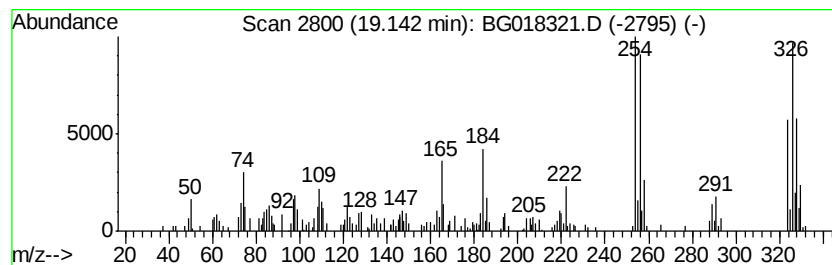
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	3.74 ng/ul	120782	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95	
2	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95		
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	94		
4	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	94		
5	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	93		



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

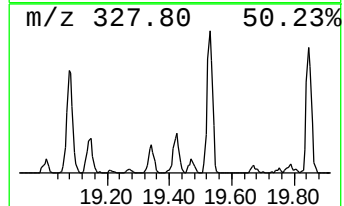
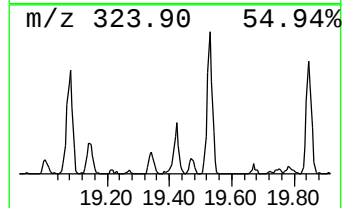
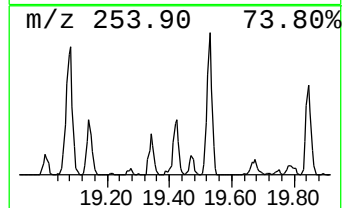
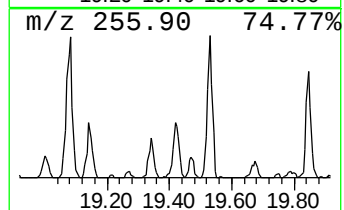
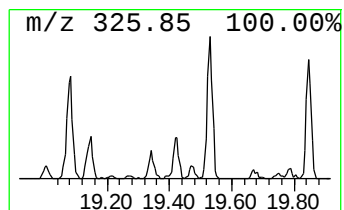
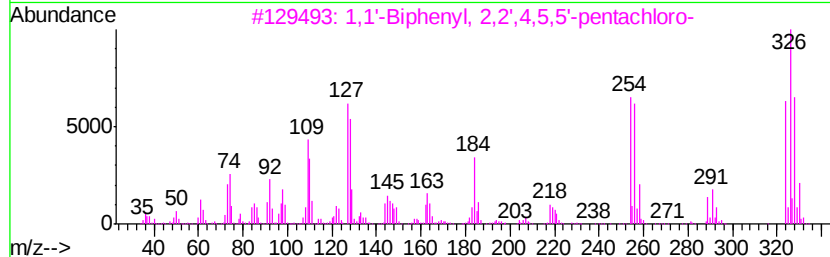
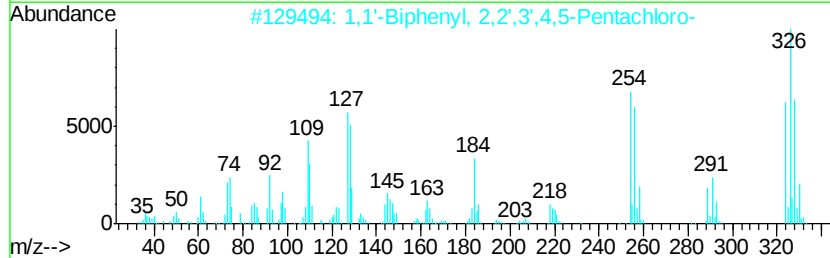
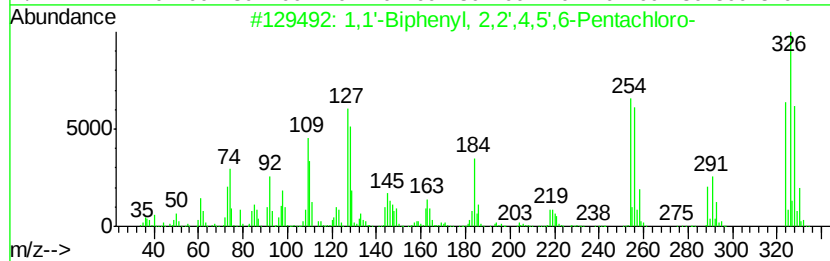
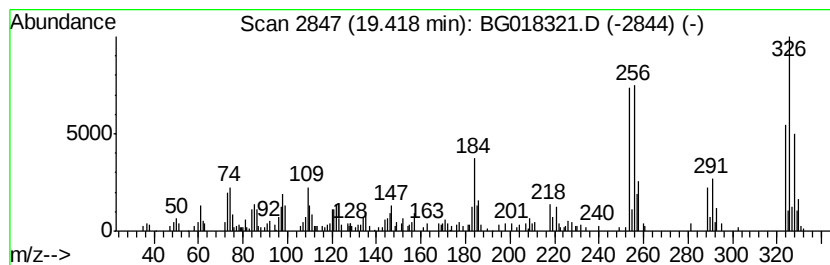
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',4,5',6-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	3.72 ng/ul	119862	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	96
2	1,1'	-Biphenyl,	2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
3	1,1'	-Biphenyl,	2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	94
4	1,1'	-Biphenyl,	2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	94
5	1,1'	-Biphenyl,	2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

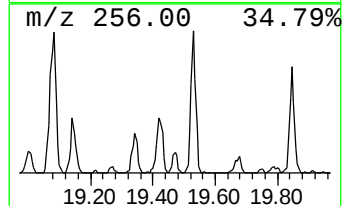
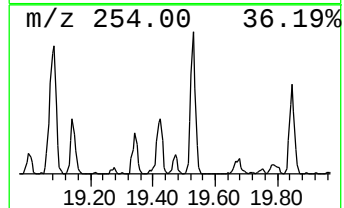
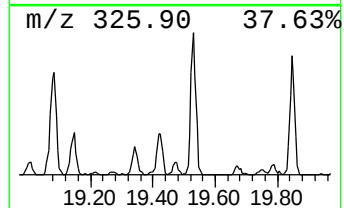
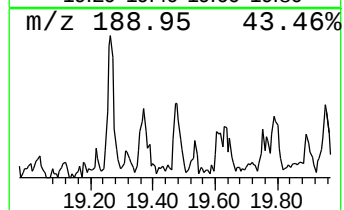
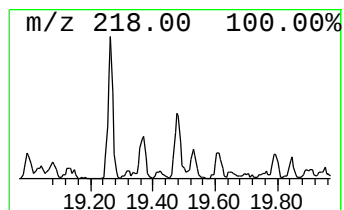
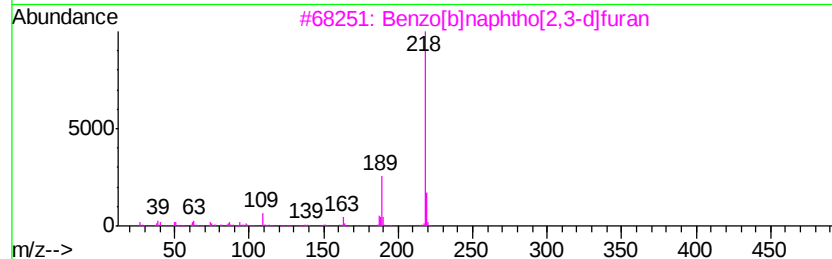
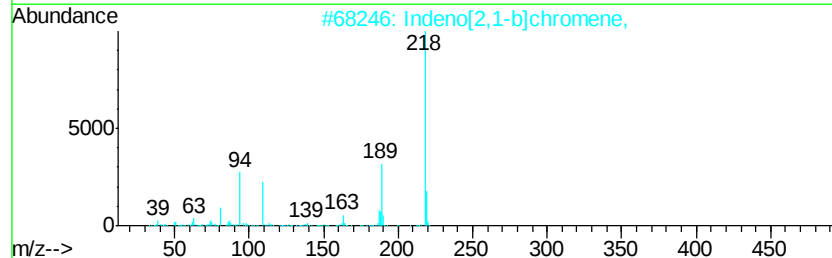
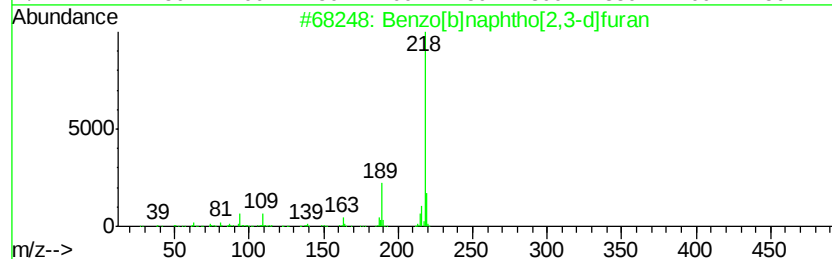
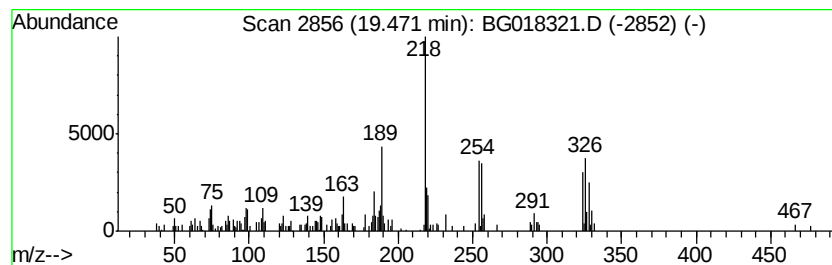
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	2.38 ng/ul	76769	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	46
2		Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	38
3		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	38
4		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	38
5		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	27



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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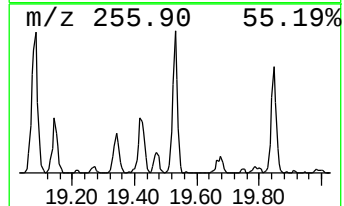
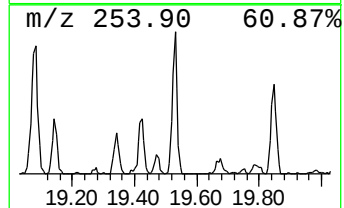
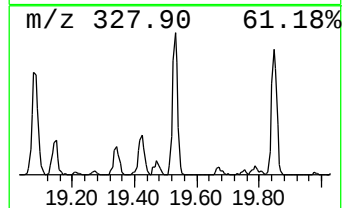
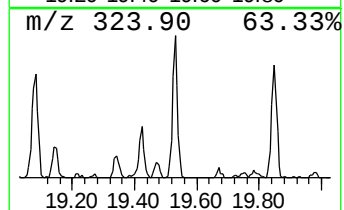
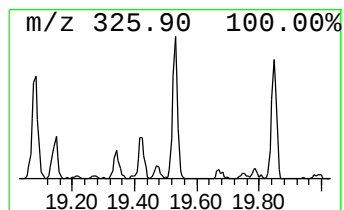
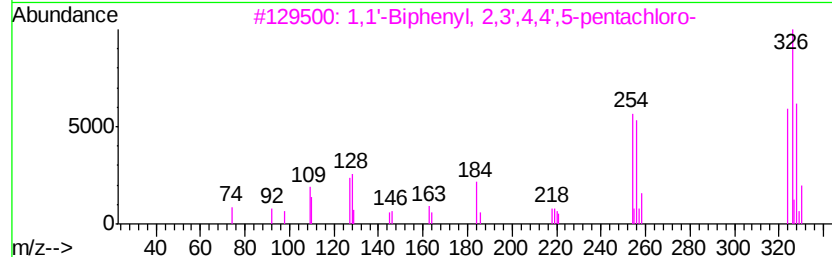
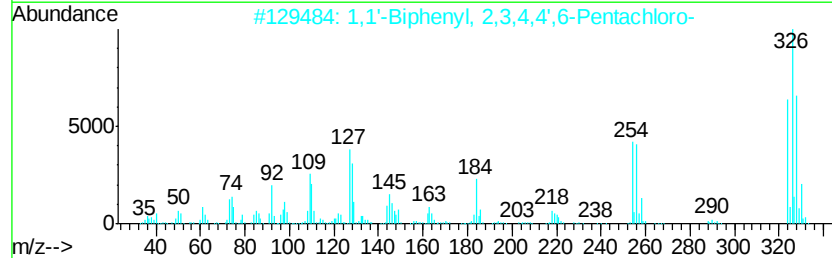
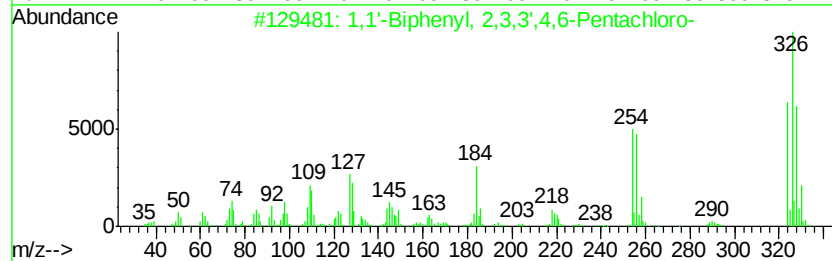
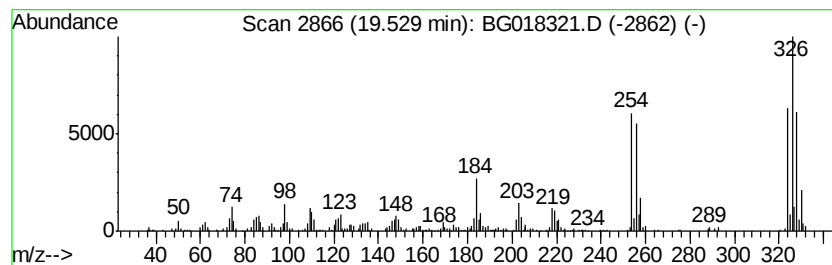
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,3,3',4,6-P... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	10.12 ng/ul	326376	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
2		1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95
3		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
4		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
5		1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
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Instrument :
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ClientSampleId :
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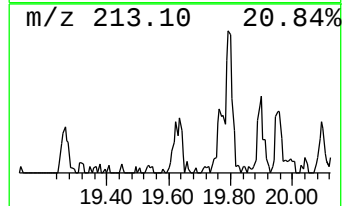
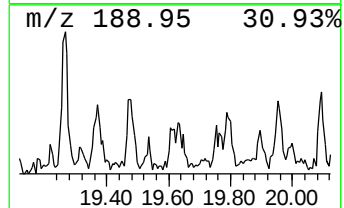
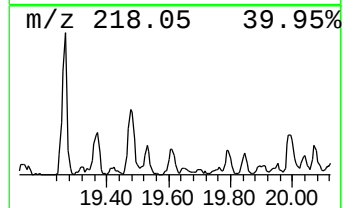
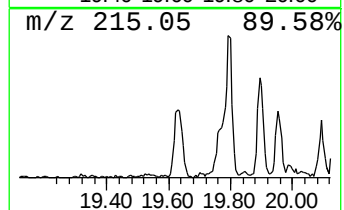
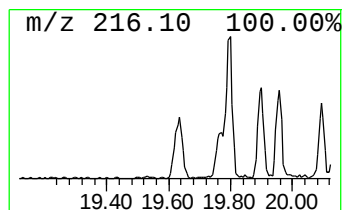
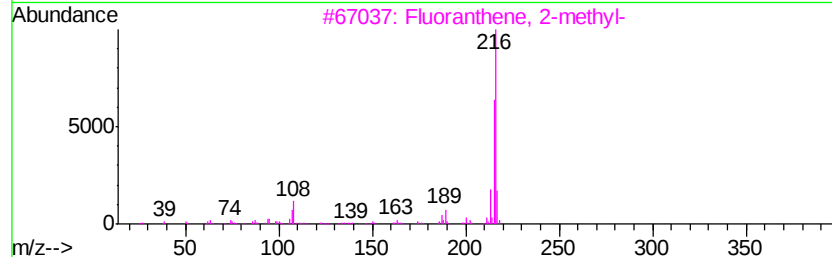
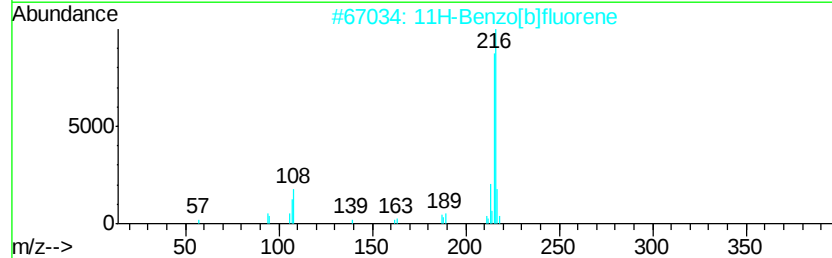
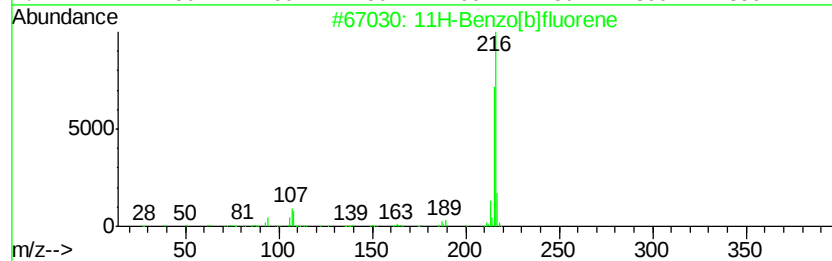
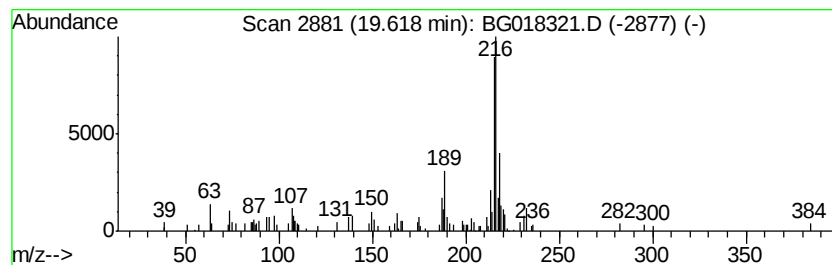
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	3.96 ng/ul	127568	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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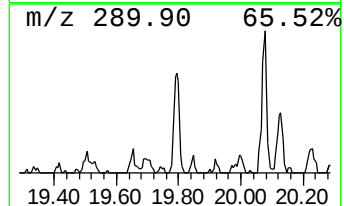
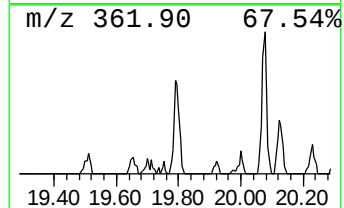
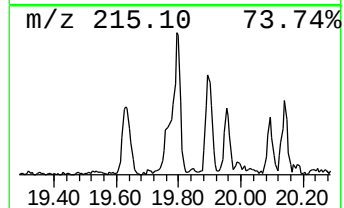
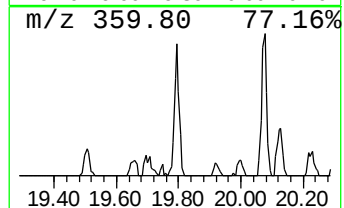
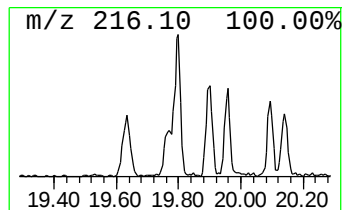
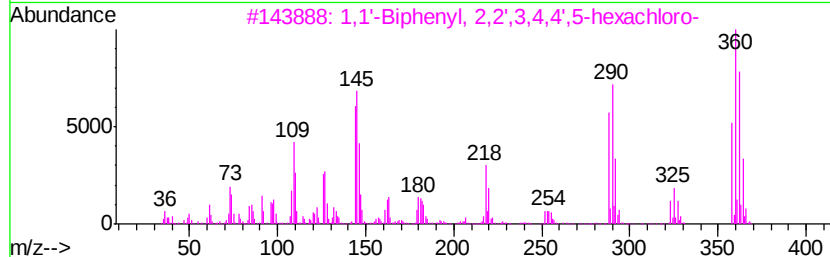
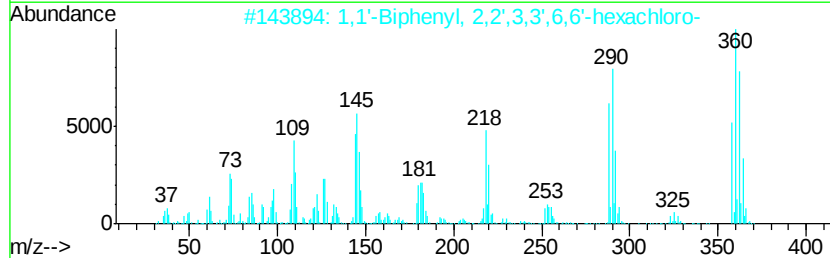
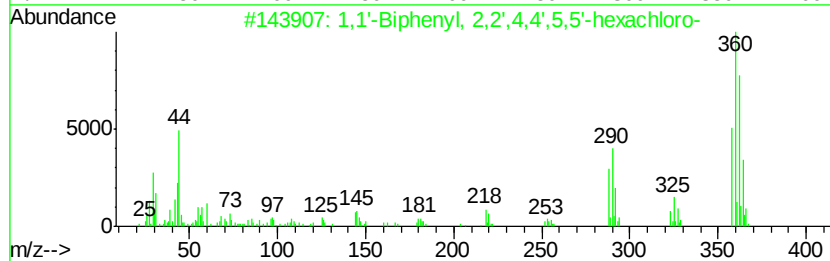
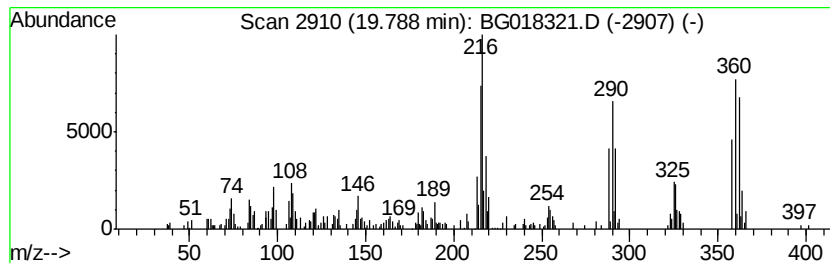
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	7.82 ng/ul	252109	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	96
2		1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	62
3		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	62
4		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	53
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId :
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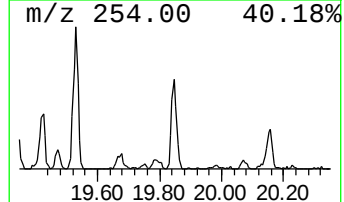
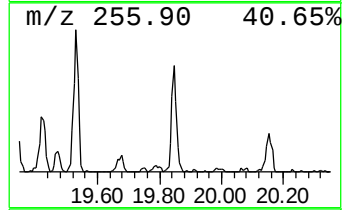
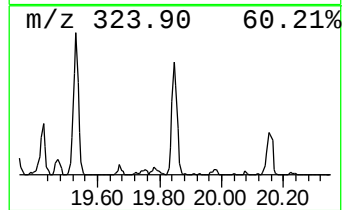
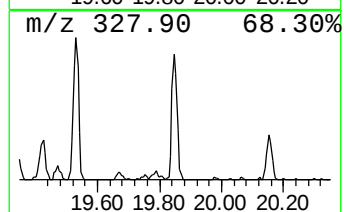
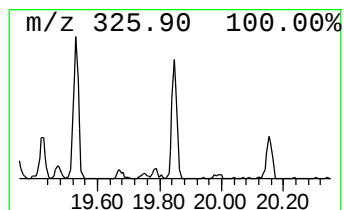
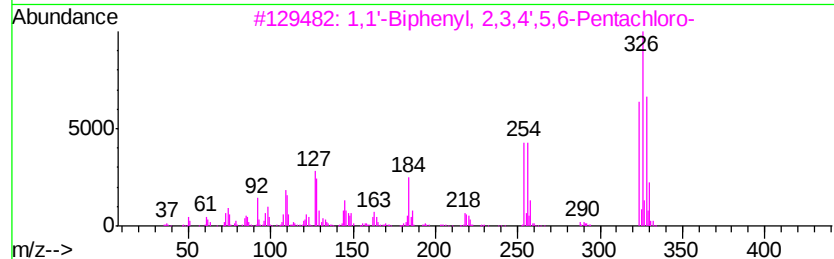
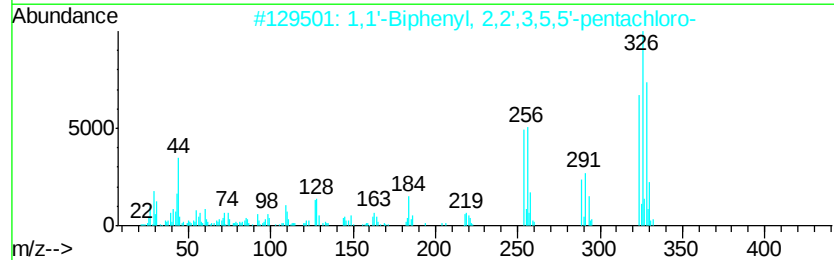
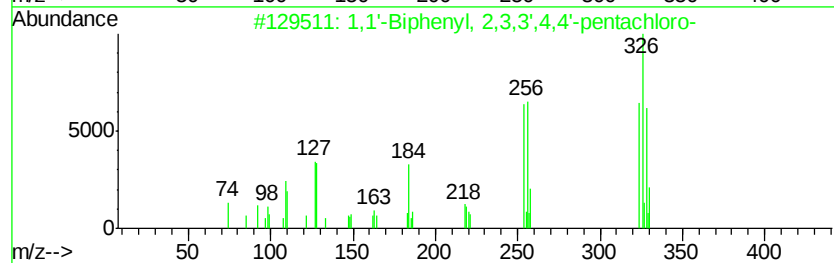
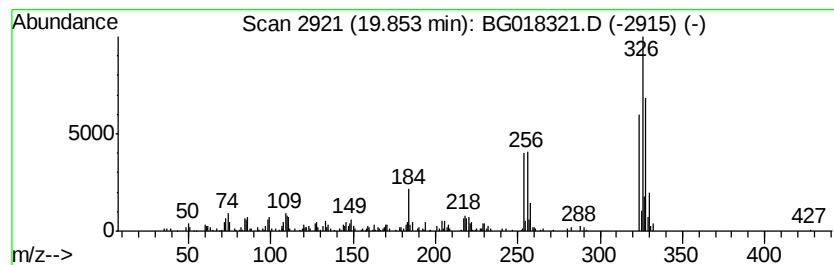
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	7.31 ng/ul	235676	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
2		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	95
3		1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
4		1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
5		1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId :
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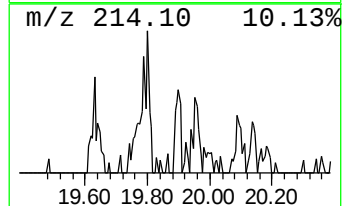
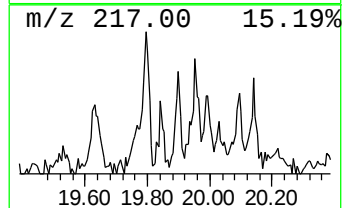
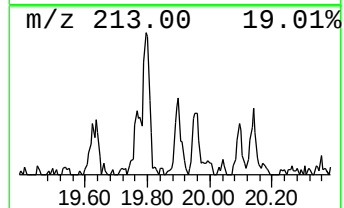
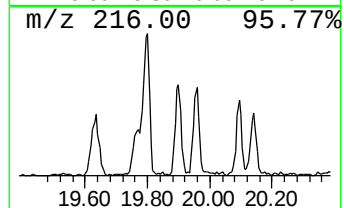
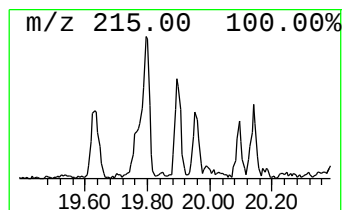
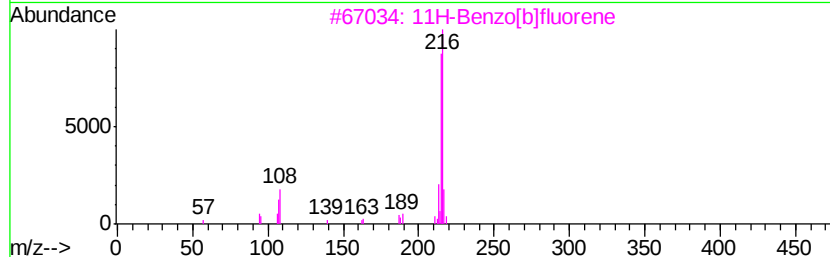
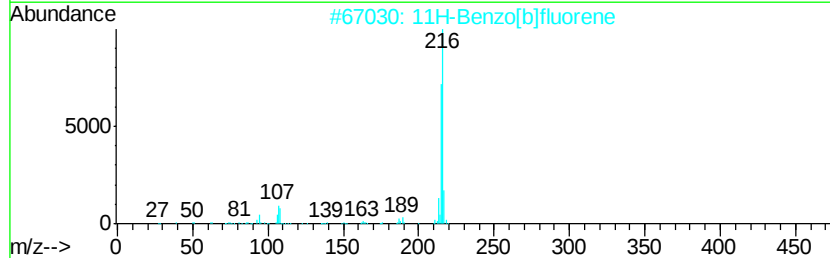
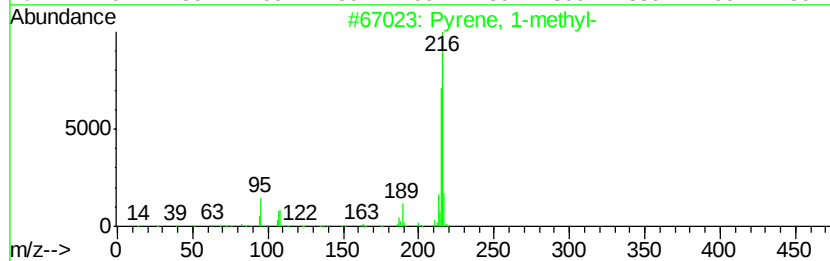
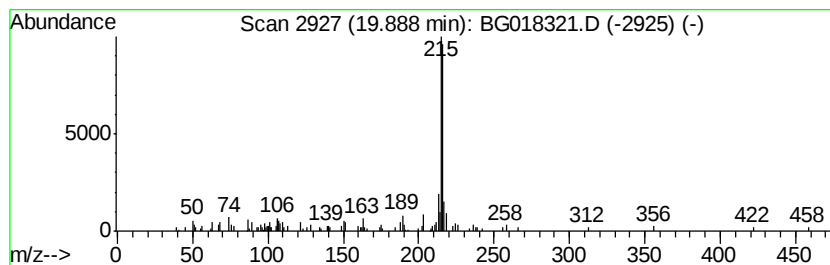
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.95 ng/ul	95243	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

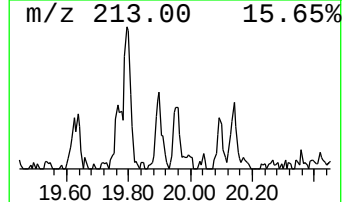
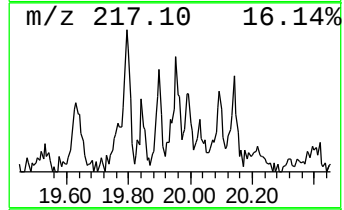
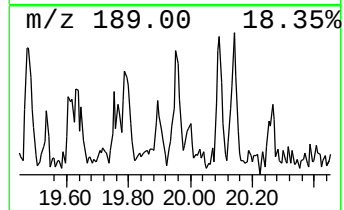
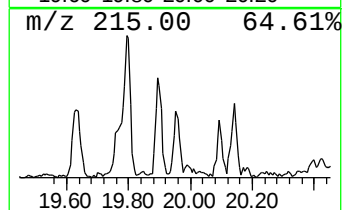
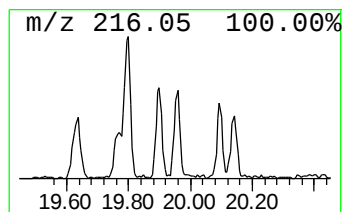
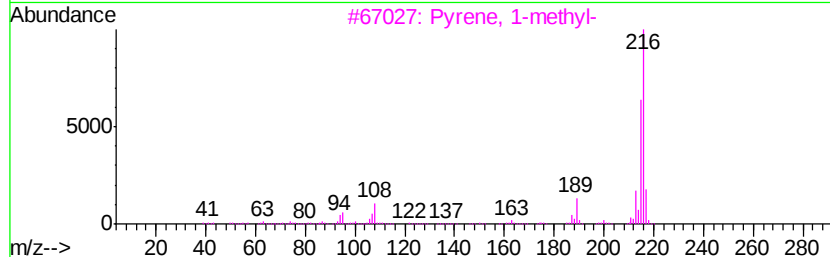
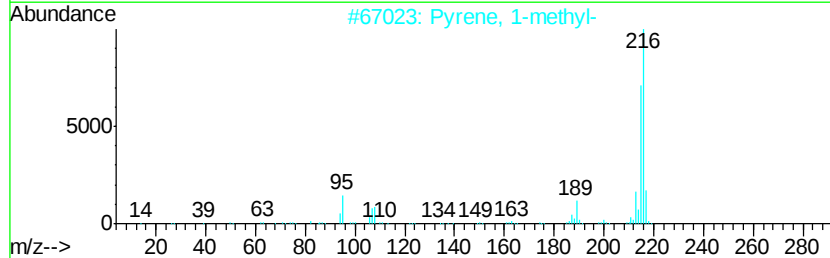
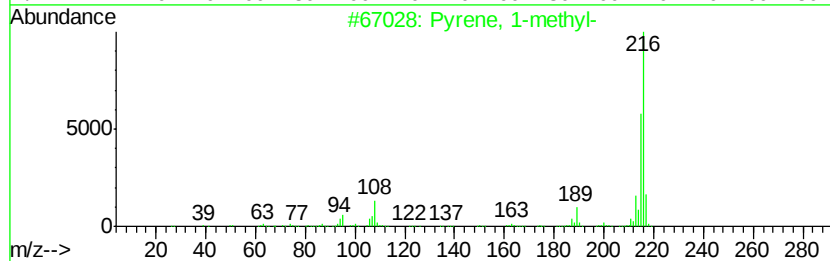
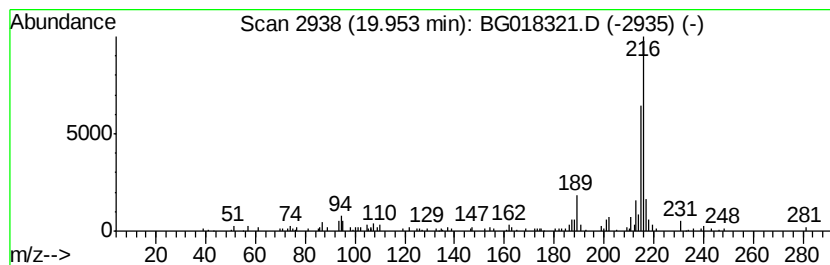
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	2.59 ng/ul	83674	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

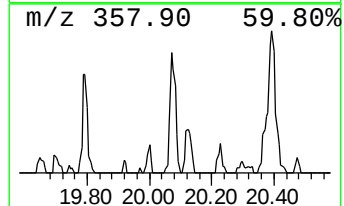
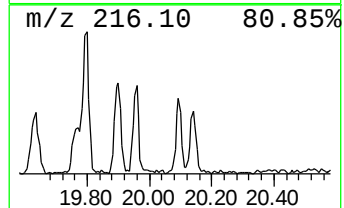
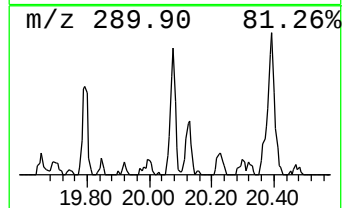
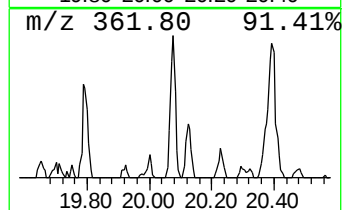
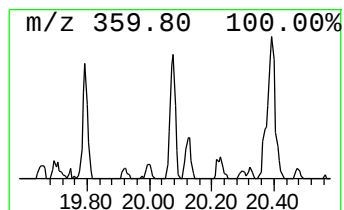
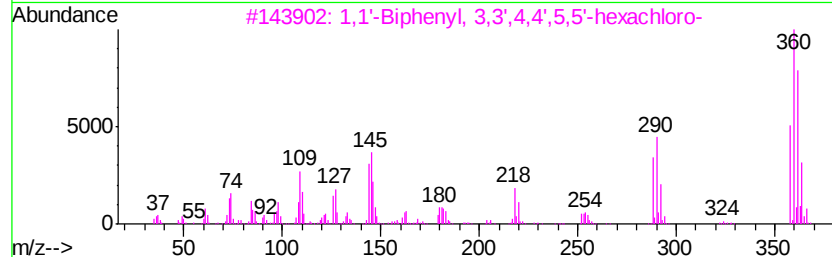
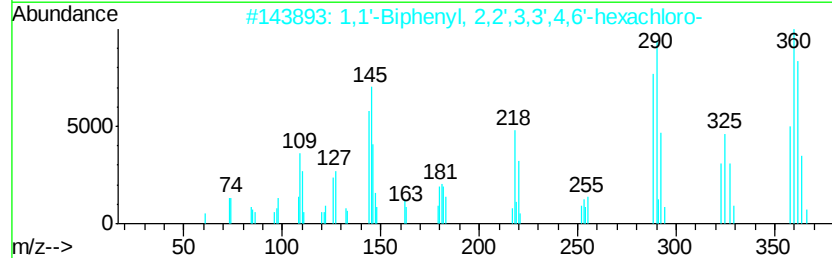
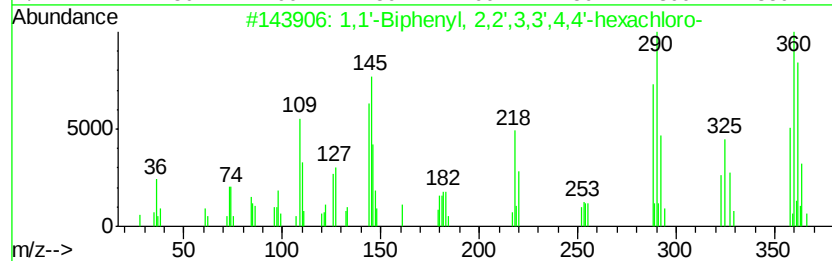
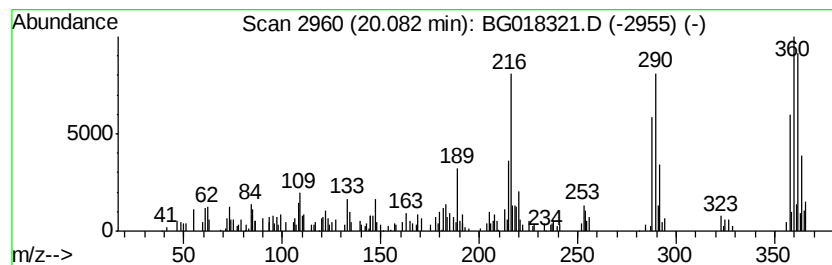
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	5.45 ng/ul	175766	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	93
2		1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	90
3		1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	89
4		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	87
5		1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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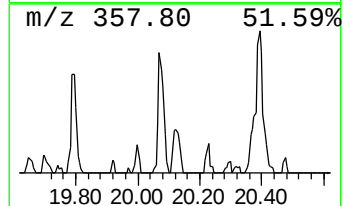
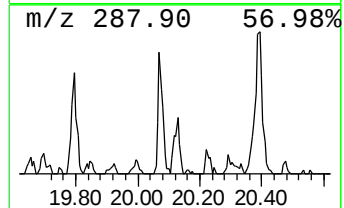
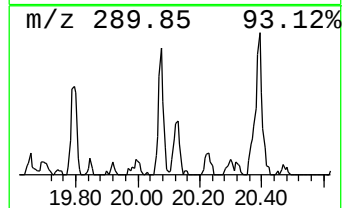
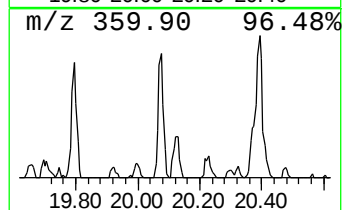
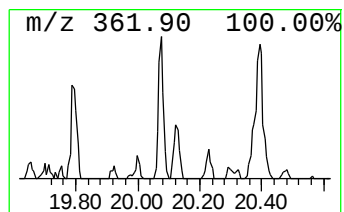
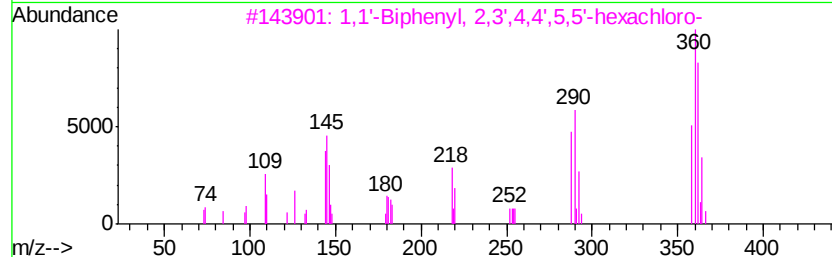
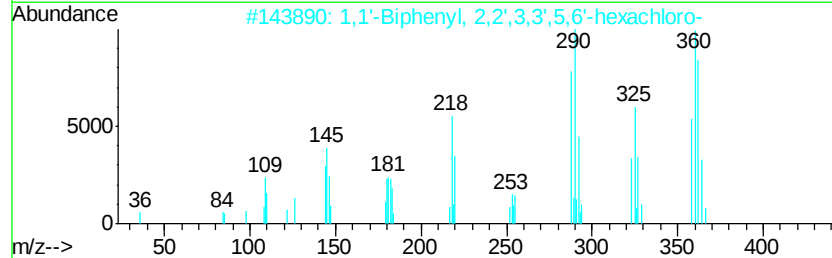
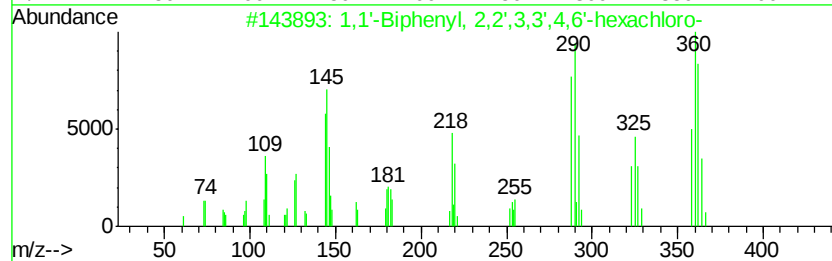
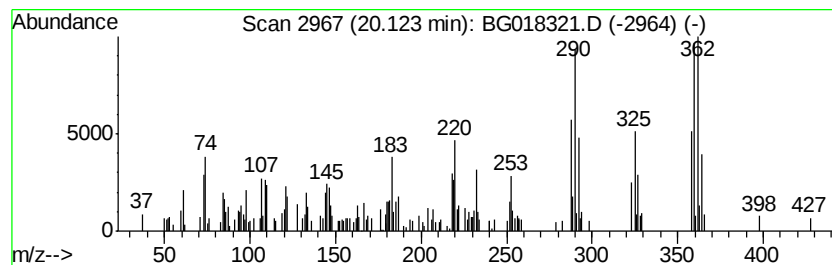
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.12 ng/ul	68283	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
2		1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	99
3		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
4		1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	94
5		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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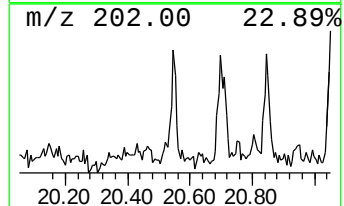
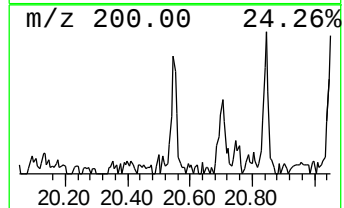
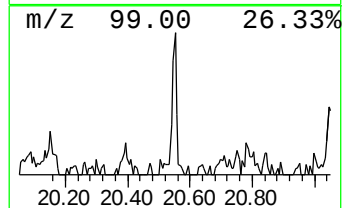
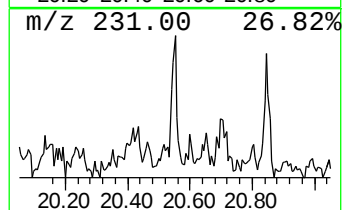
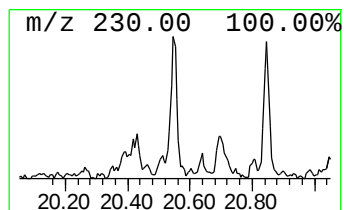
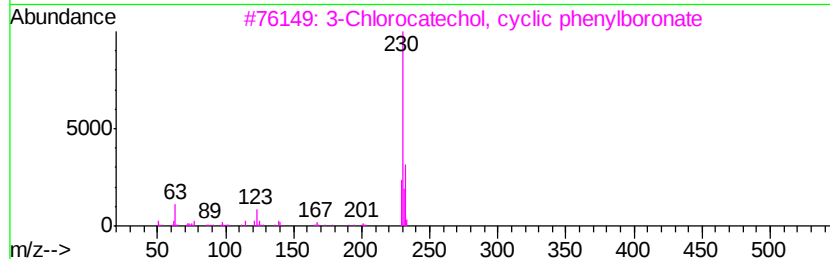
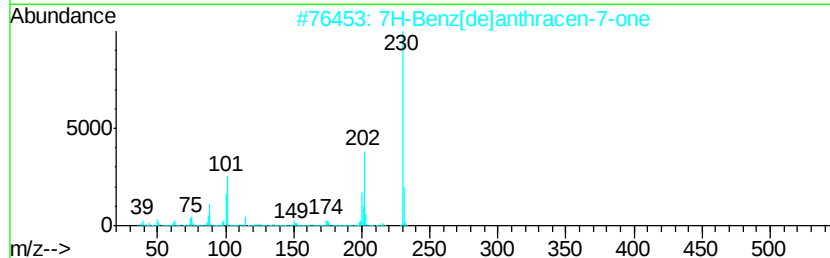
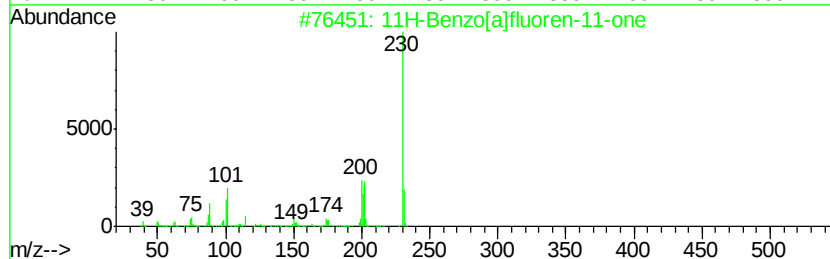
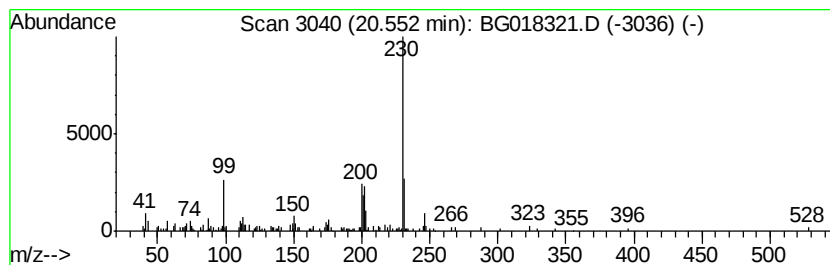
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	3.11 ng/ul	100317	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
3		3-Chlorocatechol, cvcllic phenylb...	230	C12H8BClO2	1000293-25-0	43
4		m-Terphenyl	230	C18H14	000092-06-8	43
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	42



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01R8DL

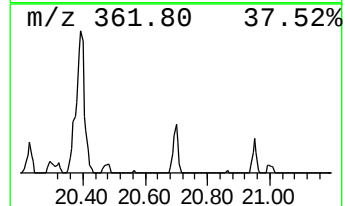
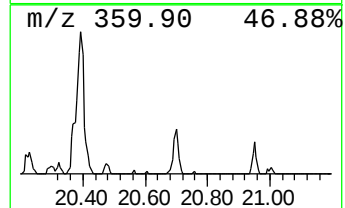
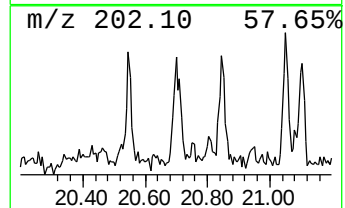
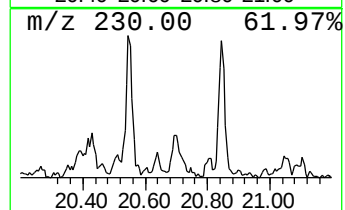
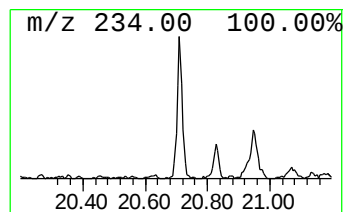
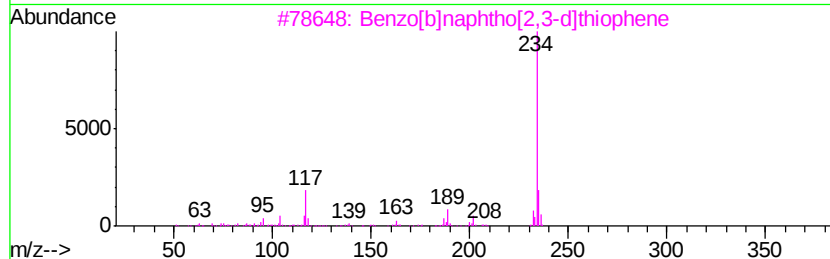
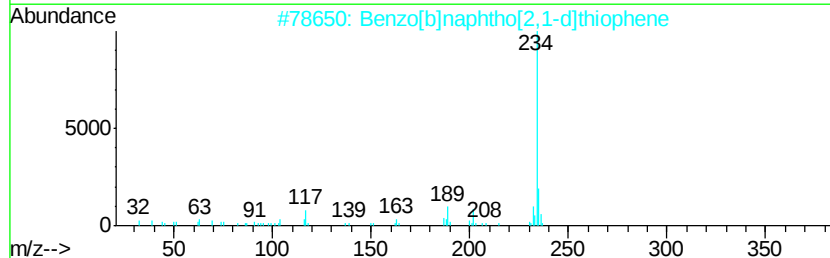
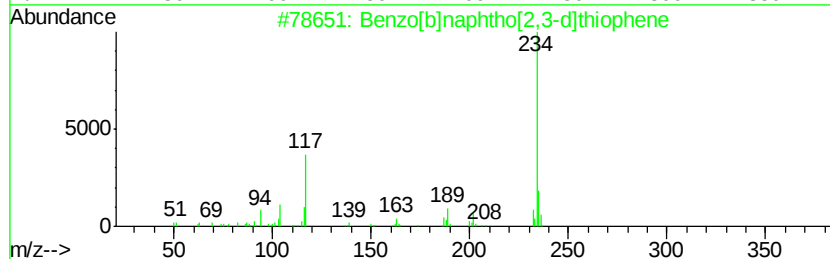
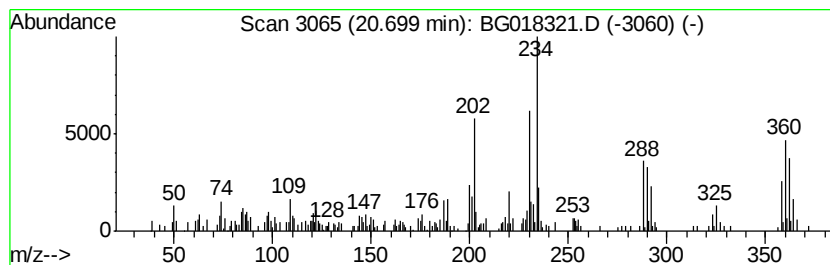
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	5.96 ng/u1	192089	Chrysene-d12	21.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	53
2			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	52
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	49
4			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	49
5			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018321.D
Acq On : 8 Aug 2015 9:00
Operator : UM/TP
Sample : G3095-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

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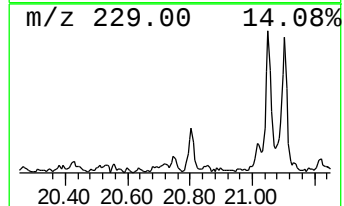
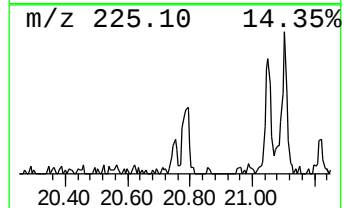
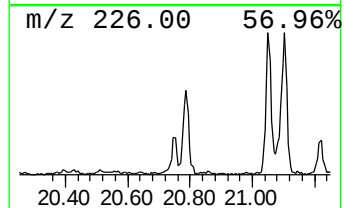
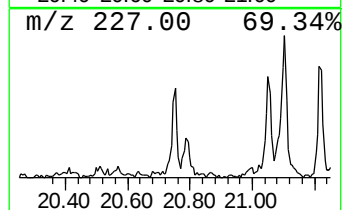
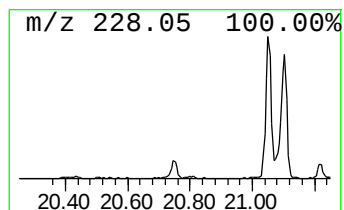
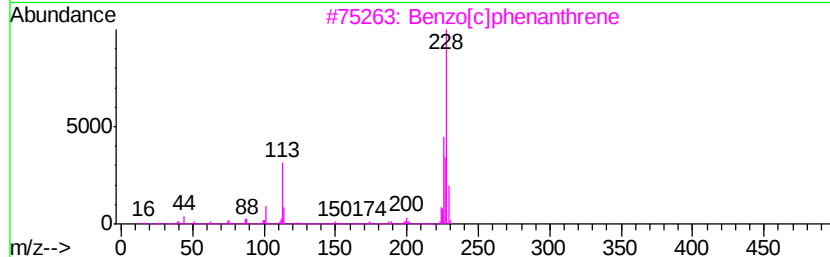
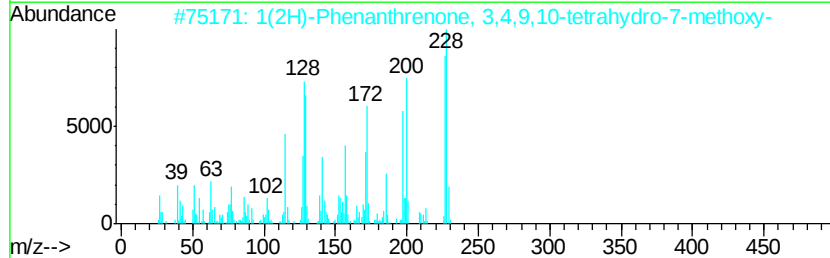
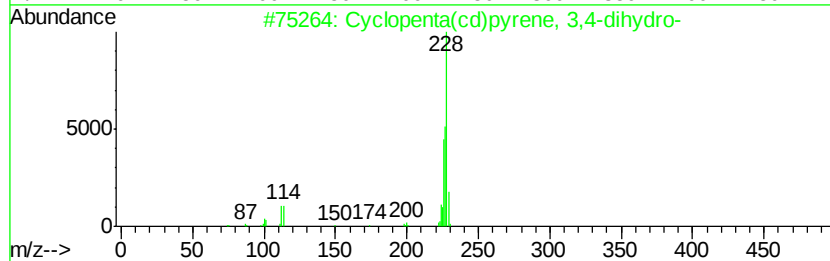
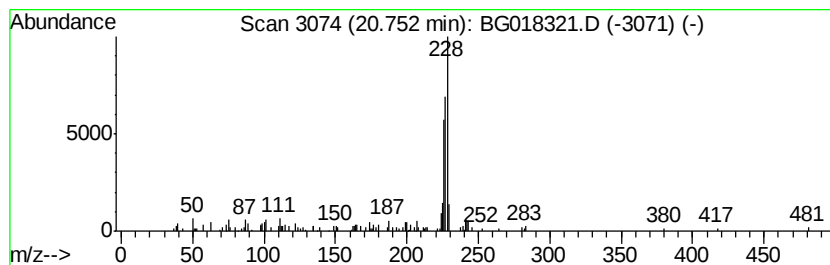
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.24 ng/ul	72085	Chrysene-d12	21.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2		1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4		Triphenylene	228	C18H12	000217-59-4	46
5		Benz[a]anthracene	228	C18H12	000056-55-3	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
 Data File : BG018321.D
 Acq On : 8 Aug 2015 9:00
 Operator : UM/TP
 Sample : G3095-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 C01R8DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Azuleno(2,1-b)thi...	16.67	3.0	ng/ul	40296	4	16.85	269675	20.0
Dibenzothiophene,...	17.43	2.3	ng/ul	30737	4	16.85	269675	20.0
Naphtho[2,3-b]nor...	17.73	7.5	ng/ul	100605	4	16.85	269675	20.0
Anthracene, 2-met...	17.78	10.0	ng/ul	135179	4	16.85	269675	20.0
Anthracene, 1-met...	17.86	4.0	ng/ul	53558	4	16.85	269675	20.0
1,1'-Biphenyl, 2,...	17.93	26.8	ng/ul	360770	4	16.85	269675	20.0
1,1'-Biphenyl, 2,...	18.22	5.7	ng/ul	76917	4	16.85	269675	20.0
9,10-Anthracenedione	18.28	4.3	ng/ul	58493	4	16.85	269675	20.0
Phenanthrene, 4,5...	18.49	2.3	ng/ul	31096	4	16.85	269675	20.0
Anthracene, 1,4-d...	18.67	7.3	ng/ul	97918	4	16.85	269675	20.0
1,1'-Biphenyl, 3,...	18.71	3.9	ng/ul	51878	4	16.85	269675	20.0
1,1'-Biphenyl, 2,...	18.79	26.7	ng/ul	360570	4	16.85	269675	20.0
1,1'-Biphenyl, 2'...	18.88	2.5	ng/ul	34283	4	16.85	269675	20.0
1,1'-Biphenyl, 2,...	19.00	3.5	ng/ul	112285	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	19.08	10.0	ng/ul	322286	5	21.07	645053	20.0
(2,3,4,5-Tetrachl...	19.14	3.7	ng/ul	120782	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	19.42	3.7	ng/ul	119862	5	21.07	645053	20.0
unknown-01	19.47	2.4	ng/ul	76769	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	19.53	10.1	ng/ul	326376	5	21.07	645053	20.0
11H-Benzo[b]fluorene	19.62	4.0	ng/ul	127568	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	19.79	7.8	ng/ul	252109	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	19.85	7.3	ng/ul	235676	5	21.07	645053	20.0
Pyrene, 1-methyl-	19.89	3.0	ng/ul	95243	5	21.07	645053	20.0
Fluoranthene, 2-m...	19.95	2.6	ng/ul	83674	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	20.08	5.5	ng/ul	175766	5	21.07	645053	20.0
1,1'-Biphenyl, 2,...	20.12	2.1	ng/ul	68283	5	21.07	645053	20.0
11H-Benzo[a]fluor...	20.55	3.1	ng/ul	100317	5	21.07	645053	20.0
Benzo[b]naphtho[2...	20.70	6.0	ng/ul	192089	5	21.07	645053	20.0
Cyclopenta(cd)pyr...	20.75	2.2	ng/ul	72085	5	21.07	645053	20.0