

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018264.D
 Acq On : 4 Aug 2015 21:50
 Operator : UM/TP
 Sample : G3109-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01J2

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-BG073115.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.451	124	130	139	rVV	168801	233568	2.27%	0.263%
2	6.665	672	677	686	rVB	122606	191873	1.87%	0.216%
3	6.800	693	700	708	rBV	83096	126942	1.23%	0.143%
4	6.994	727	733	741	rBV	128948	203845	1.98%	0.230%
5	7.458	804	812	818	rVB	177558	278178	2.70%	0.313%
6	8.192	931	937	943	rBV2	74458	124182	1.21%	0.140%
7	8.615	1003	1009	1016	rBV	125748	199664	1.94%	0.225%
8	9.332	1123	1131	1139	rBV2	122378	204846	1.99%	0.231%
9	9.884	1218	1225	1232	rBV	179361	286959	2.79%	0.323%
10	10.237	1279	1285	1290	rBV	248390	427587	4.16%	0.482%
11	10.290	1290	1294	1300	rVB2	79422	126952	1.23%	0.143%
12	13.457	1826	1833	1837	rBV	99997	170130	1.65%	0.192%
13	13.557	1845	1850	1854	rVV	289336	420817	4.09%	0.474%
14	13.598	1854	1857	1864	rVV	125191	177039	1.72%	0.199%
15	13.692	1867	1873	1877	rVV2	54160	92510	0.90%	0.104%
16	13.827	1889	1896	1899	rBV	319041	474010	4.61%	0.534%
17	13.862	1899	1902	1914	rVB	125049	232552	2.26%	0.262%
18	14.138	1939	1949	1955	rBV3	359566	616368	5.99%	0.694%
19	14.203	1955	1960	1968	rVV	317526	465021	4.52%	0.524%
20	14.403	1990	1994	1998	rVV	91789	153217	1.49%	0.173%
21	14.544	2006	2018	2025	rBV	434227	673019	6.54%	0.758%
22	14.620	2027	2031	2037	rVB2	72921	100205	0.97%	0.113%
23	14.767	2049	2056	2060	rBV3	62118	116423	1.13%	0.131%
24	14.820	2060	2065	2074	rVB	68228	112274	1.09%	0.126%
25	14.943	2078	2086	2088	rBV4	55221	108424	1.05%	0.122%
26	15.143	2114	2120	2124	rVB	359241	509746	4.96%	0.574%
27	15.196	2124	2129	2134	rBV	700051	949349	9.23%	1.070%
28	15.296	2141	2146	2148	rBV3	86119	128239	1.25%	0.144%
29	15.354	2153	2156	2161	rVV2	68527	117981	1.15%	0.133%
30	15.407	2161	2165	2169	rVV3	52723	99442	0.97%	0.112%
31	15.496	2175	2180	2189	rVV	242925	378338	3.68%	0.426%
32	15.642	2199	2205	2213	rVV	253566	507536	4.93%	0.572%
33	15.731	2213	2220	2227	rVB2	57742	111463	1.08%	0.126%
34	15.877	2239	2245	2252	rVB3	97176	159648	1.55%	0.180%

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35	16.206	2292	2301	2306	rBV3	158221	321481	3.13%	0.362%
36	16.253	2306	2309	2315	rVB2	71970	95246	0.93%	0.107%
37	16.436	2336	2340	2344	rVV2	111386	161447	1.57%	0.182%
38	16.477	2344	2347	2350	rVV2	102585	128255	1.25%	0.144%
39	16.559	2356	2361	2368	rVB	270042	397612	3.87%	0.448%
40	16.635	2368	2374	2379	rBV3	136839	285974	2.78%	0.322%
41	16.718	2383	2388	2393	rVB	377290	491707	4.78%	0.554%
42	16.906	2413	2420	2422	rBV	289241	472648	4.59%	0.533%
43	16.958	2422	2429	2433	rVV	5623886	9124739	88.70%	10.280%
44	17.006	2433	2437	2439	rVV2	392024	532128	5.17%	0.600%
45	17.041	2439	2443	2447	rVV	1140687	1456871	14.16%	1.641%
46	17.088	2447	2451	2458	rVV3	102575	173670	1.69%	0.196%
47	17.311	2485	2489	2494	rBV	314937	415534	4.04%	0.468%
48	17.423	2504	2508	2514	rBV2	101120	132154	1.28%	0.149%
49	17.481	2514	2518	2528	rVB3	148398	270862	2.63%	0.305%
50	17.622	2538	2542	2548	rVB	72537	124763	1.21%	0.141%
51	17.781	2563	2569	2573	rVV	633954	883593	8.59%	0.996%
52	17.828	2573	2577	2583	rVB	1236769	1584687	15.40%	1.785%
53	17.910	2584	2591	2596	rVB	242466	341286	3.32%	0.385%
54	17.975	2596	2602	2606	rBV2	927721	1529793	14.87%	1.724%
55	18.010	2606	2608	2615	rVB	433713	515087	5.01%	0.580%
56	18.092	2618	2622	2625	rBV4	71320	108919	1.06%	0.123%
57	18.181	2633	2637	2642	rBV6	79888	120645	1.17%	0.136%
58	18.286	2651	2655	2659	rBV	435827	574125	5.58%	0.647%
59	18.339	2659	2664	2668	rVV	403242	540059	5.25%	0.608%
60	18.533	2693	2697	2703	rVB3	162107	241427	2.35%	0.272%
61	18.586	2703	2706	2710	rVV	123388	159839	1.55%	0.180%
62	18.627	2710	2713	2717	rVB2	103080	131657	1.28%	0.148%
63	18.709	2722	2727	2731	rBV	243793	404798	3.93%	0.456%
64	18.862	2747	2753	2760	rVB2	296720	542037	5.27%	0.611%
65	19.003	2767	2777	2780	rBV	6490752	10287390	100.00%	11.590%
66	19.038	2780	2783	2787	rVV3	143315	231096	2.25%	0.260%
67	19.085	2787	2791	2794	rVV2	122019	162078	1.58%	0.183%
68	19.132	2795	2799	2803	rVB	128012	172340	1.68%	0.194%
69	19.221	2807	2814	2820	rVB2	199746	409241	3.98%	0.461%
70	19.367	2826	2839	2844	rBV2	4850693	9248746	89.90%	10.420%
71	19.420	2844	2848	2854	rVB2	234052	371081	3.61%	0.418%

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72	19.526	2862	2866	2871	rVB	285609	356016	3.46%	0.401%
73	19.585	2872	2876	2882	rVB	219818	366932	3.57%	0.413%
74	19.685	2885	2893	2897	rBV2	274731	703947	6.84%	0.793%
75	19.732	2898	2901	2904	rVV	83834	101810	0.99%	0.115%
76	19.808	2910	2914	2916	rVV3	242493	356568	3.47%	0.402%
77	19.849	2917	2921	2925	rVB	534248	727898	7.08%	0.820%
78	19.949	2934	2938	2941	rBV	385015	469961	4.57%	0.529%
79	20.002	2941	2947	2951	rBV2	393202	671001	6.52%	0.756%
80	20.143	2968	2971	2975	rVV	190159	233466	2.27%	0.263%
81	20.190	2975	2979	2983	rVB2	229207	331763	3.22%	0.374%
82	20.601	3044	3049	3054	rVB	611564	753702	7.33%	0.849%
83	20.760	3071	3076	3080	rBV2	625561	901732	8.77%	1.016%
84	20.801	3080	3083	3086	rVV	459941	542079	5.27%	0.611%
85	20.842	3086	3090	3094	rVV2	476365	808291	7.86%	0.911%
86	20.901	3097	3100	3105	rVB	556619	685968	6.67%	0.773%
87	21.112	3127	3136	3141	rBV2	3809836	6437772	62.58%	7.253%
88	21.165	3141	3145	3153	rVB	3189459	4512457	43.86%	5.084%
89	21.271	3160	3163	3168	rBV	348412	437766	4.26%	0.493%
90	21.324	3169	3172	3176	rBV3	208739	332156	3.23%	0.374%
91	21.430	3186	3190	3194	rBV2	316542	524782	5.10%	0.591%
92	21.477	3195	3198	3201	rVV3	145350	163480	1.59%	0.184%
93	21.600	3217	3219	3222	rBV2	139689	151431	1.47%	0.171%
94	21.659	3225	3229	3233	rVB	536864	712739	6.93%	0.803%
95	21.847	3258	3261	3264	rBV	256330	347505	3.38%	0.392%
96	22.675	3393	3402	3406	rBV	2590897	6437365	62.58%	7.253%
97	22.822	3423	3427	3432	rVB	436624	599027	5.82%	0.675%
98	23.134	3473	3480	3489	rBV	1126411	2511410	24.41%	2.829%
99	23.233	3490	3497	3505	rVB	2130929	4009371	38.97%	4.517%
100	23.363	3515	3519	3527	rVB2	674491	1146344	11.14%	1.292%

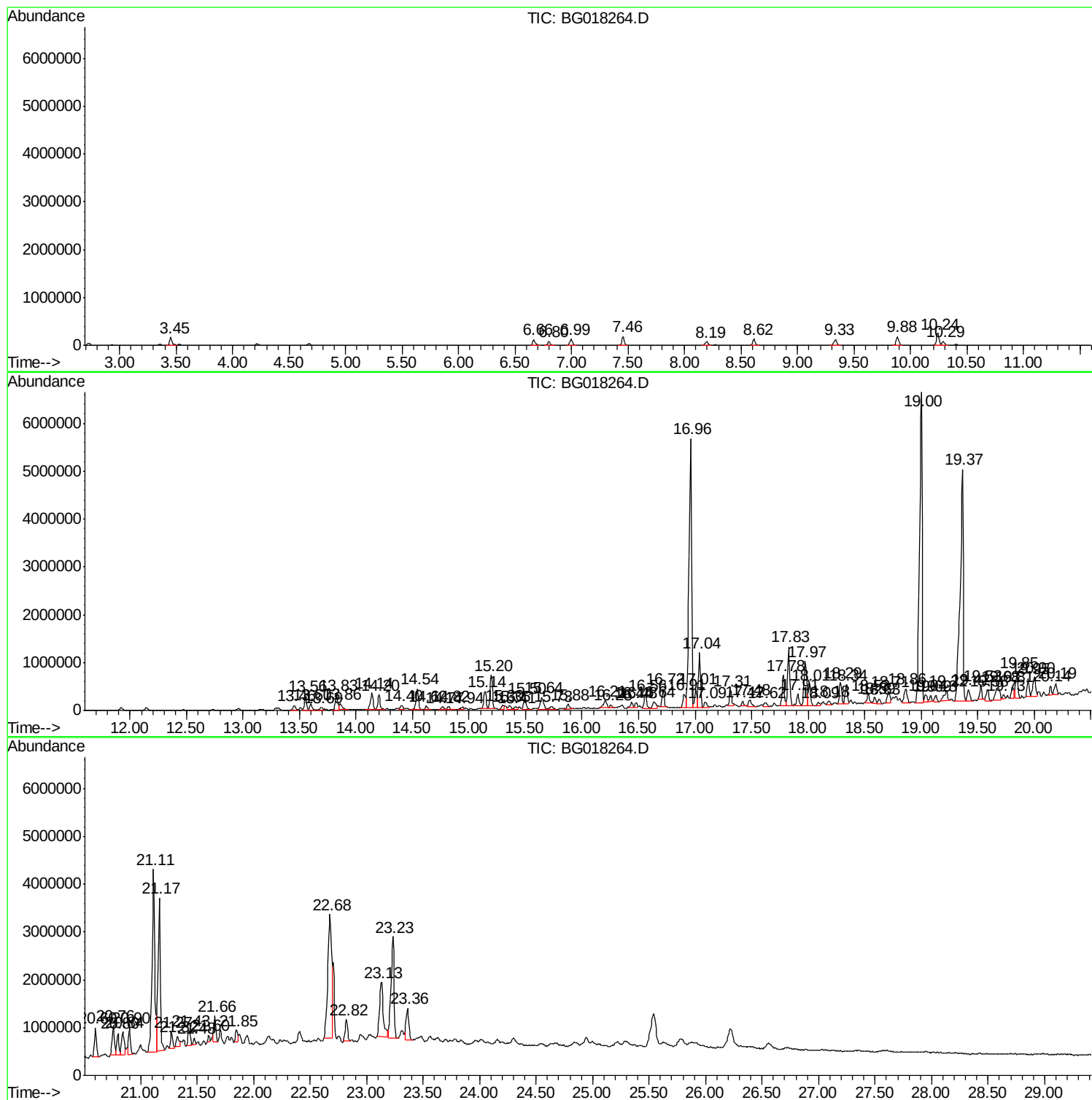
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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



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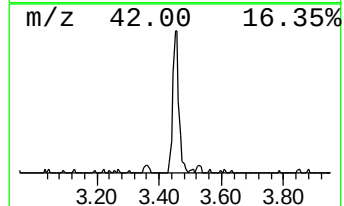
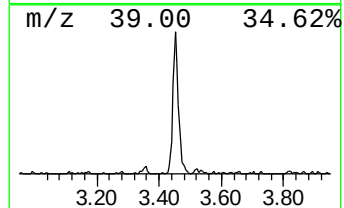
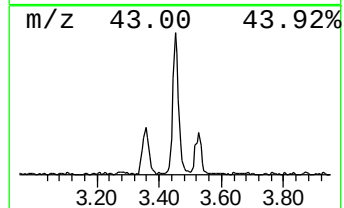
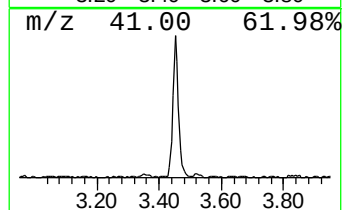
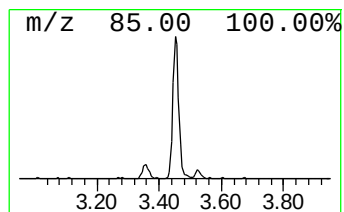
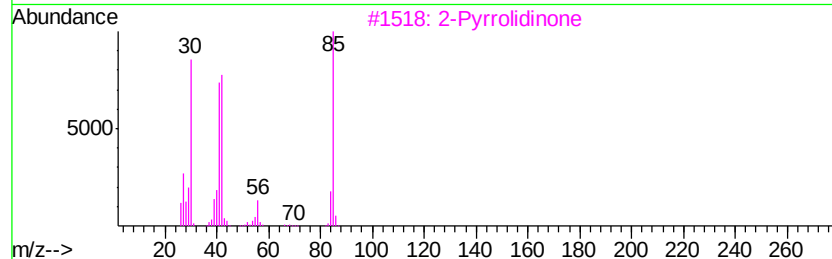
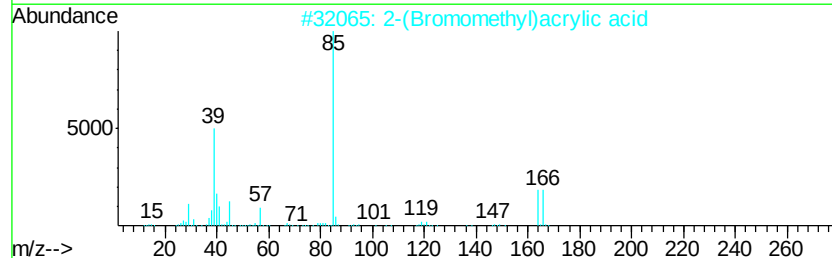
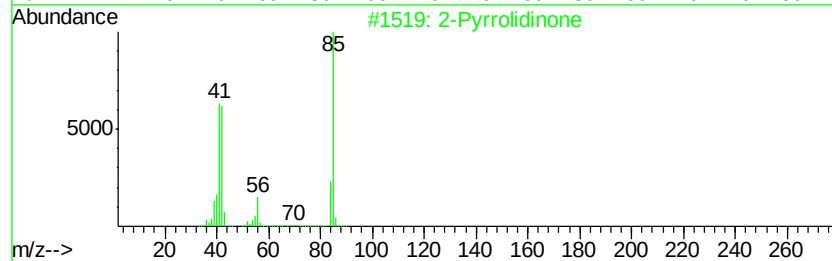
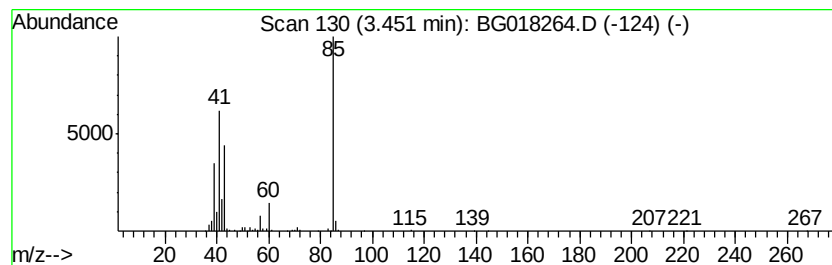
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	16.79 ng/ul	233568	1,4-Dichlorobenzene-d4	7.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	45
2		2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40
3		2-Pyrrolidinone	85	C4H7NO	000616-45-5	36
4		Methacrylamide	85	C4H7NO	000079-39-0	32
5		2-Pyrrolidinone	85	C4H7NO	000616-45-5	9



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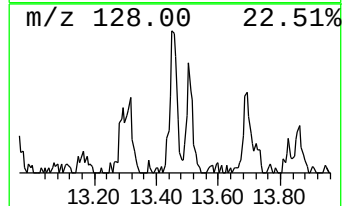
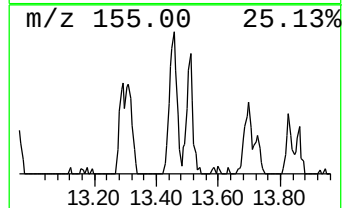
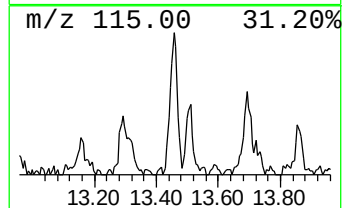
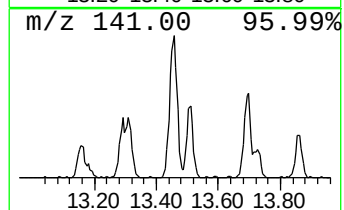
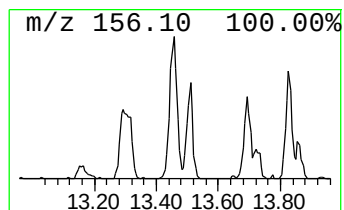
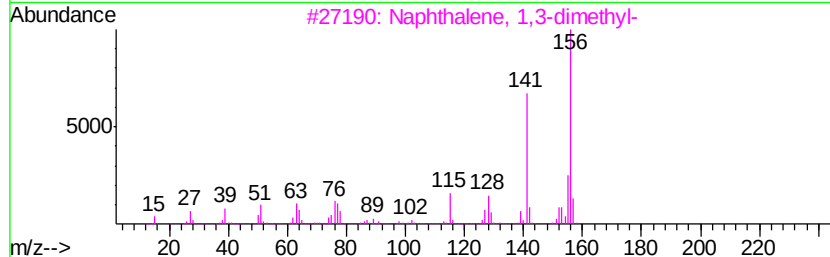
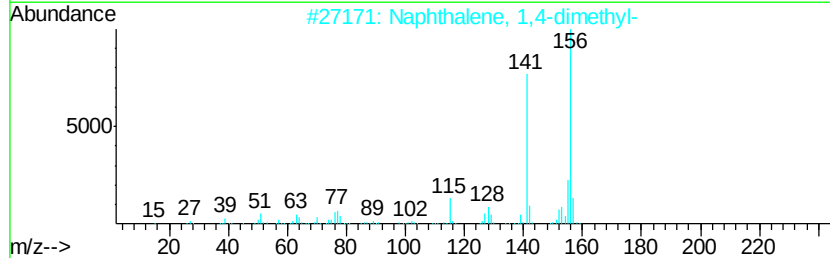
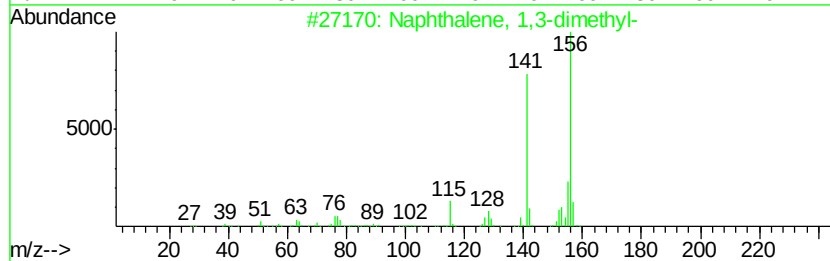
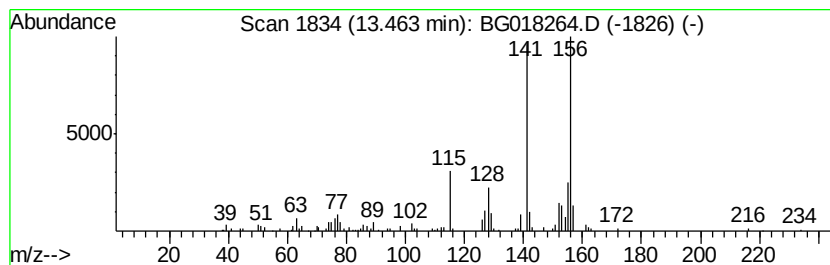
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	5.52 ng/ul	170130	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93



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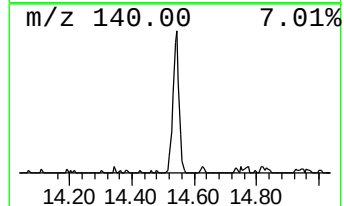
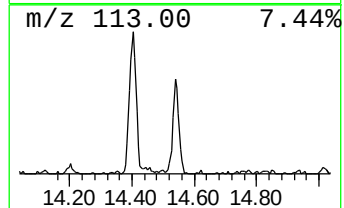
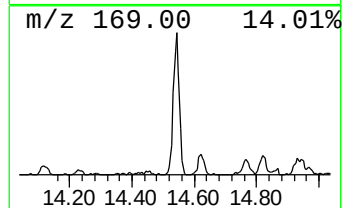
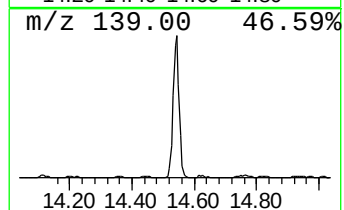
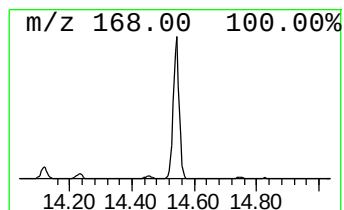
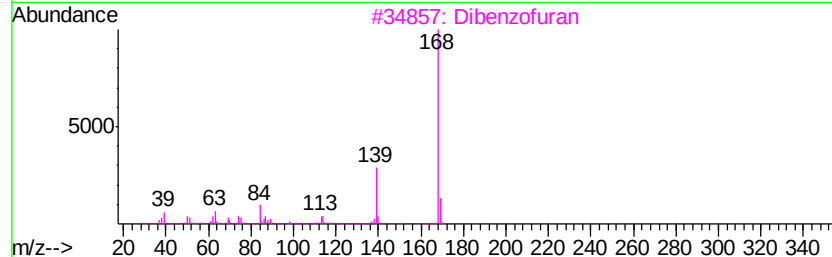
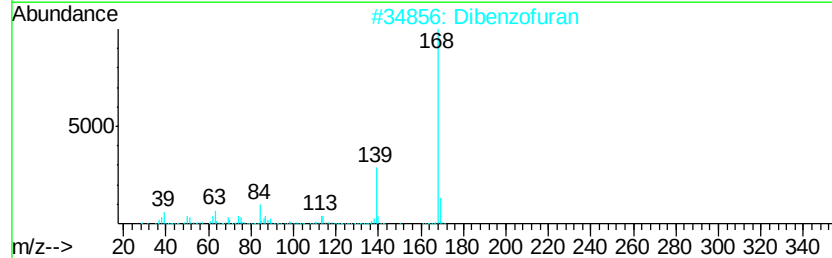
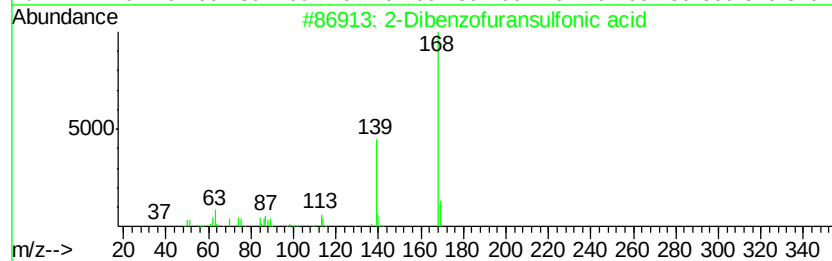
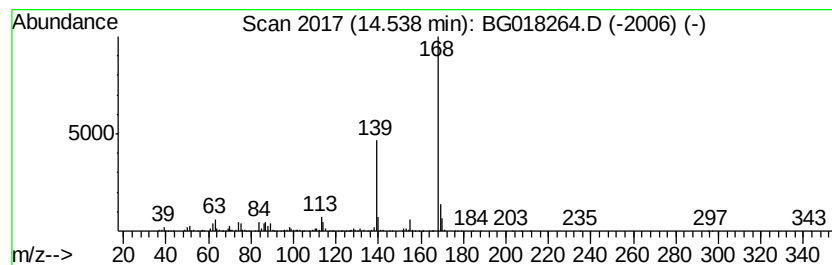
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Dibenzofuransulfonic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	21.84 ng/ul	673019	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Dibenzofuransulfonic acid	248	C12H8O4S	083863-63-2	87
2		Dibenzofuran	168	C12H8O	000132-64-9	81
3		Dibenzofuran	168	C12H8O	000132-64-9	81
4		Dibenzofuran	168	C12H8O	000132-64-9	78
5		1(2H)-Acenaphthylene	168	C12H8O	002235-15-6	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

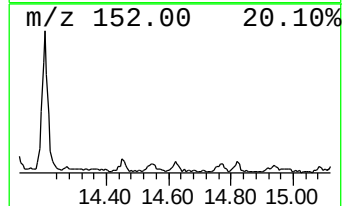
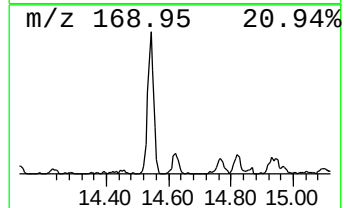
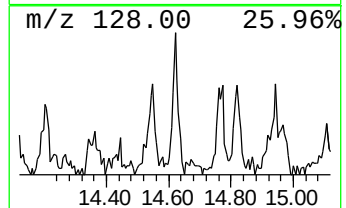
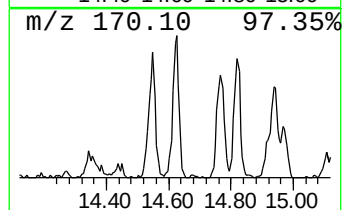
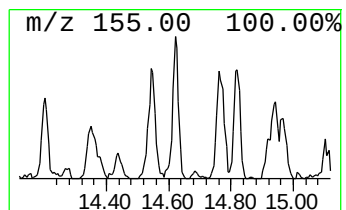
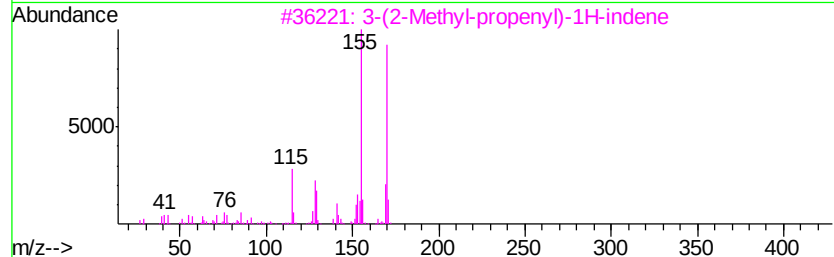
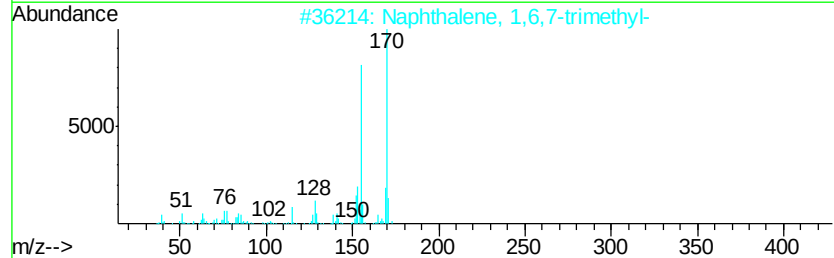
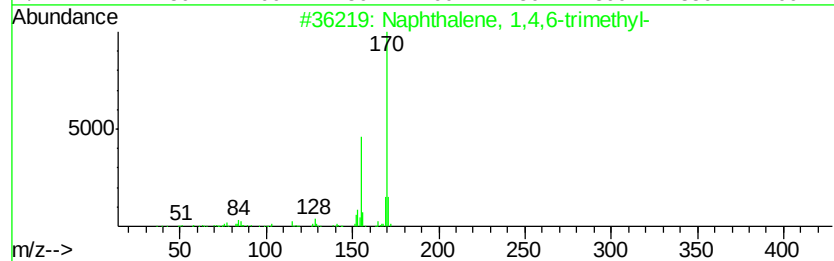
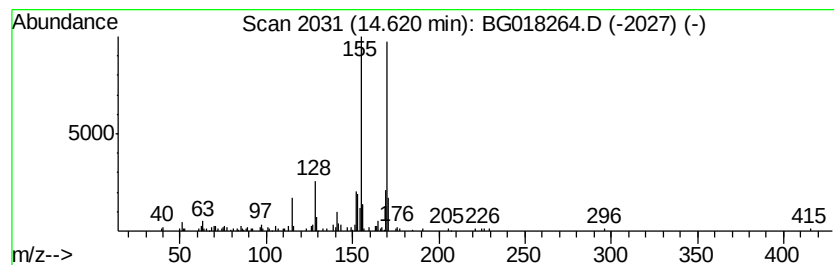
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.25 ng/ul	100205	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C01J2

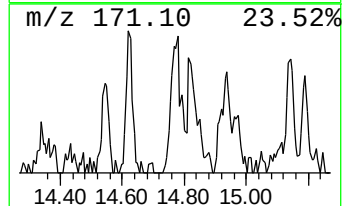
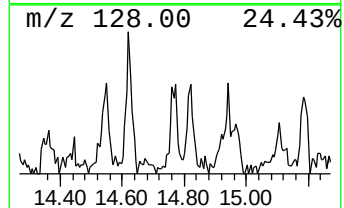
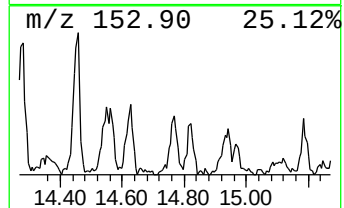
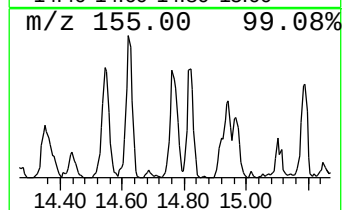
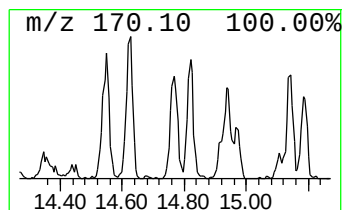
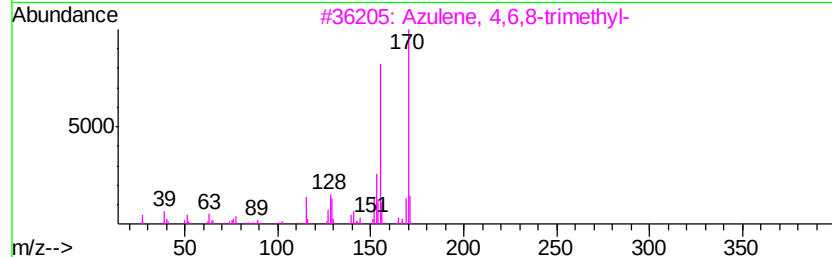
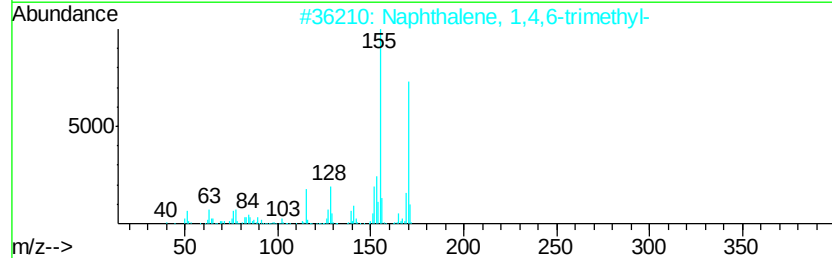
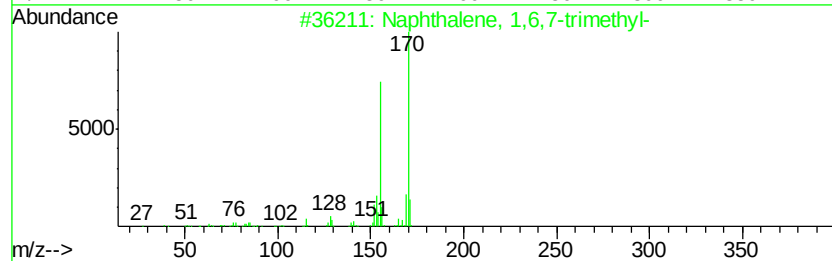
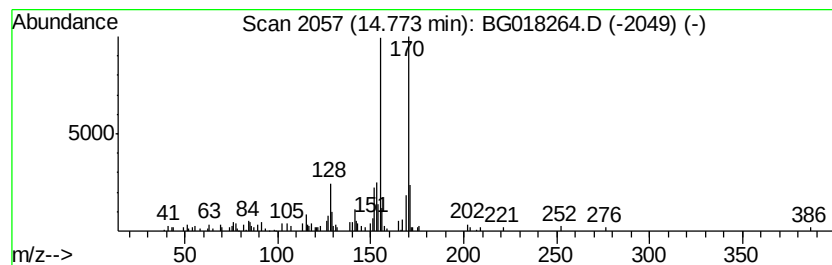
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.78 ng/ul	116423	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	95
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

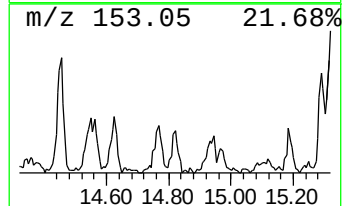
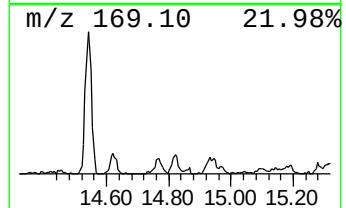
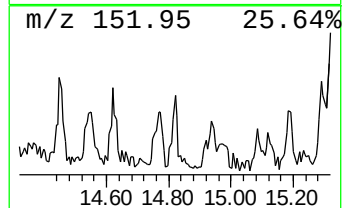
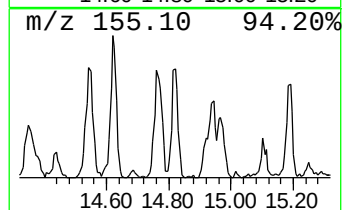
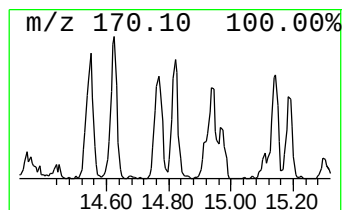
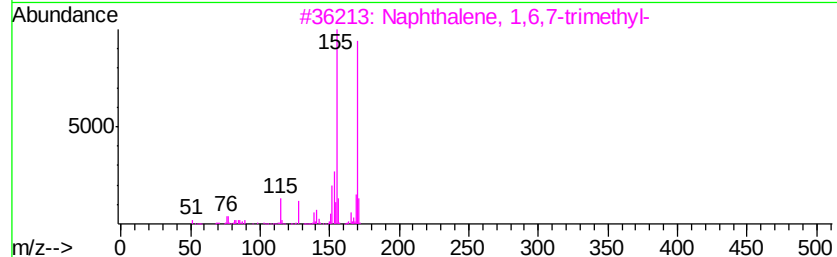
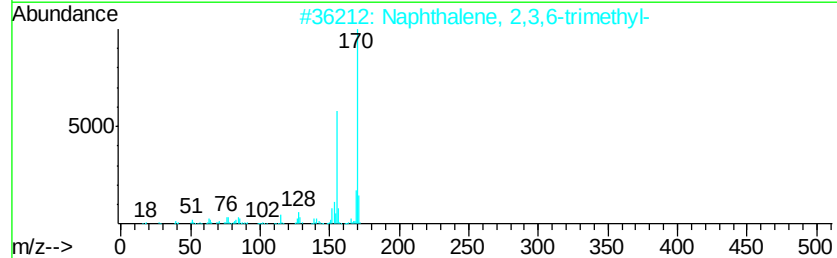
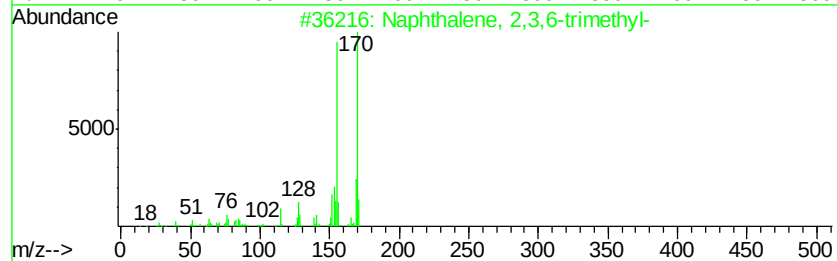
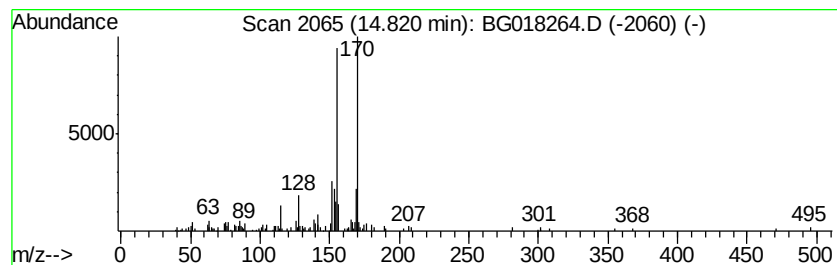
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	3.64 ng/ul	112274	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

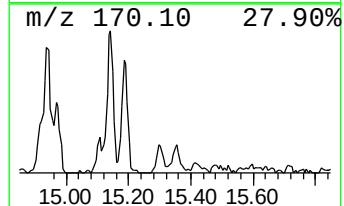
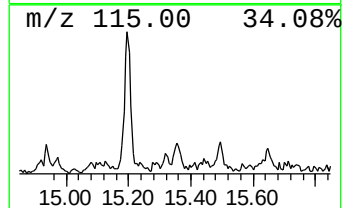
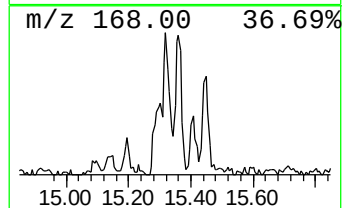
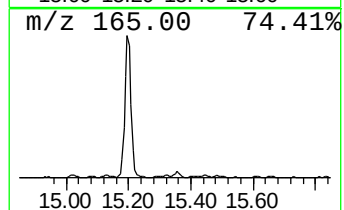
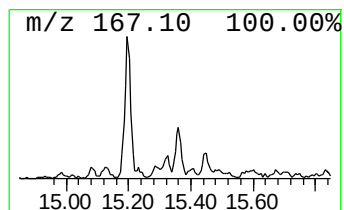
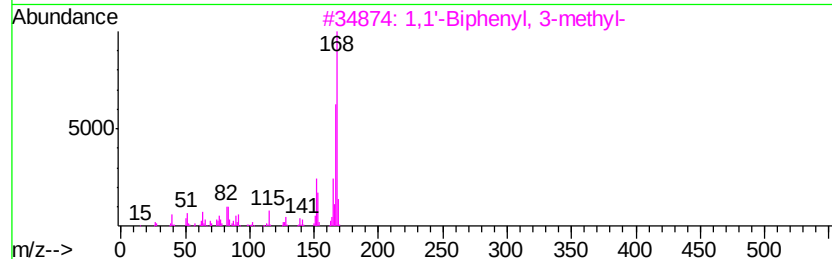
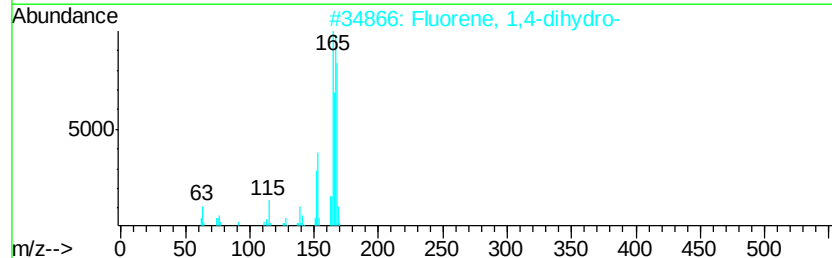
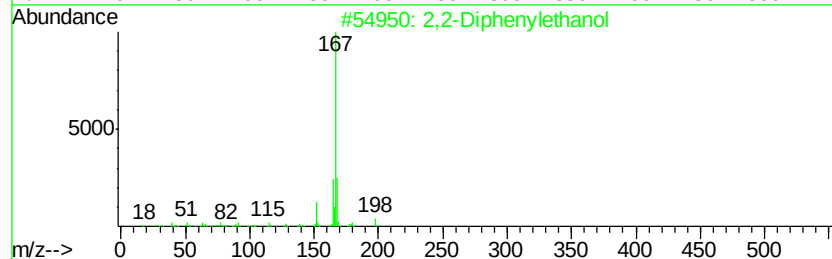
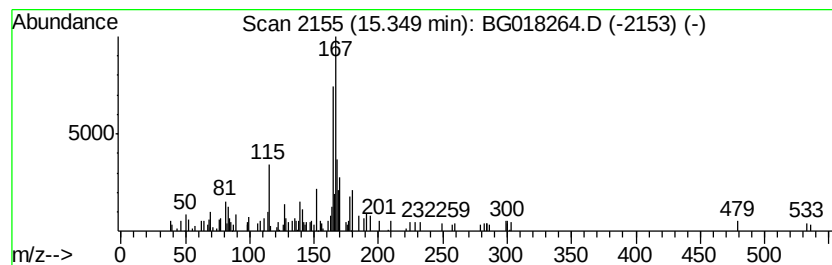
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.35	3.83 ng/ul	117981	Acenaphthene-d10		14.14		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Diphenylethanol			198	C14H14O	001883-32-5	43
2	Fluorene, 1,4-dihydro-			168	C13H12	041593-21-9	43
3	1,1'-Biphenyl, 3-methyl-			168	C13H12	000643-93-6	38
4	1,1'-Biphenyl, 2-methyl-			168	C13H12	000643-58-3	38
5	Naphthalene, 1-(2-propenyl)-			168	C13H12	002489-86-3	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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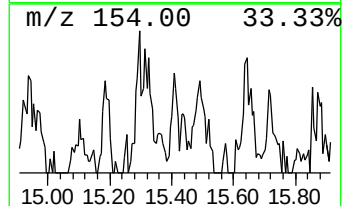
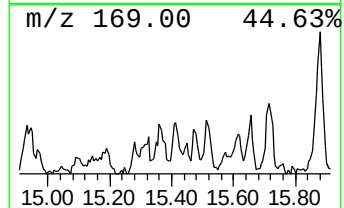
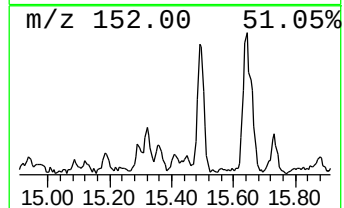
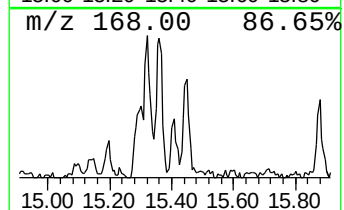
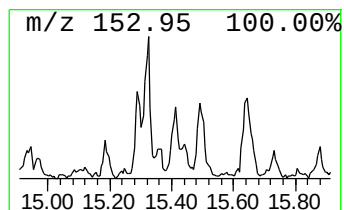
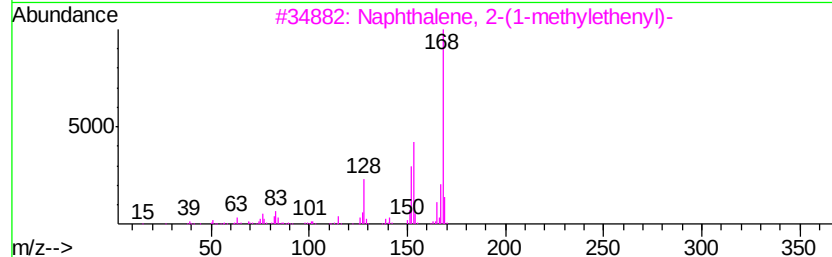
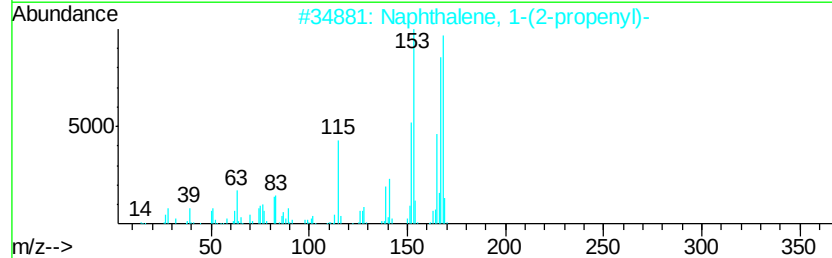
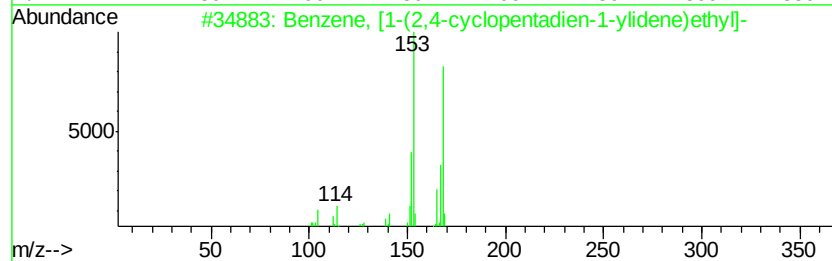
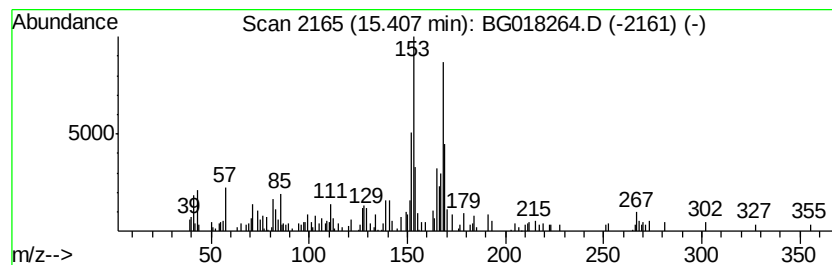
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	3.23 ng/ul	99442	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	62
2		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
3		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
4		1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	43
5		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

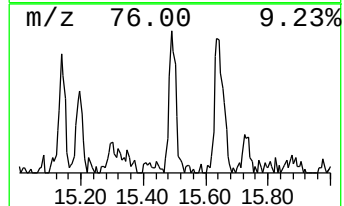
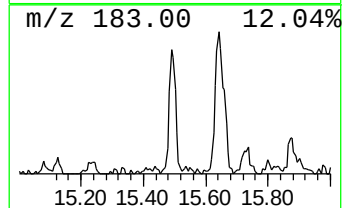
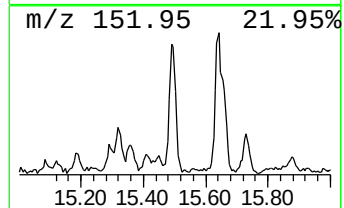
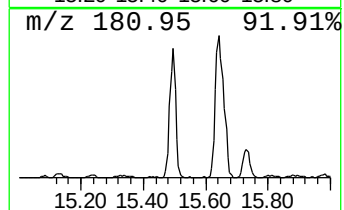
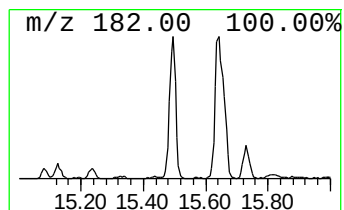
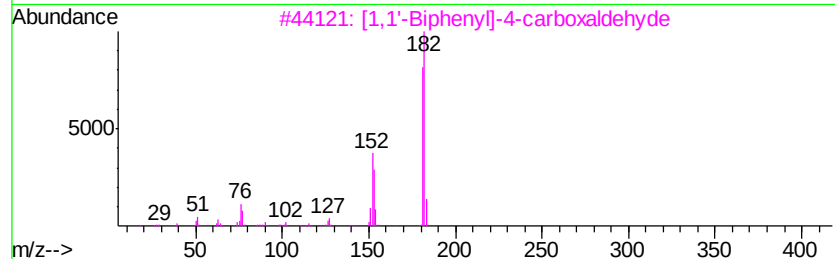
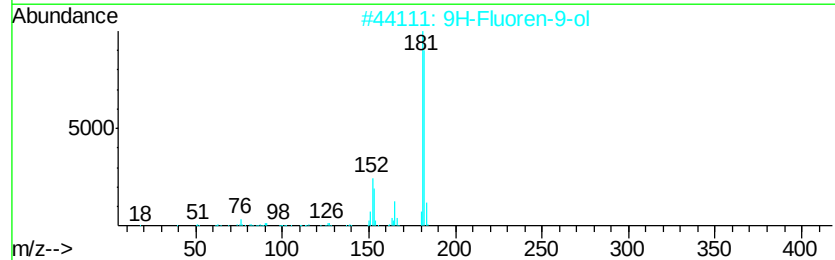
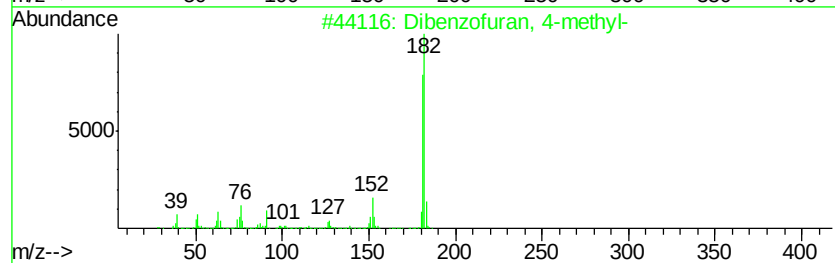
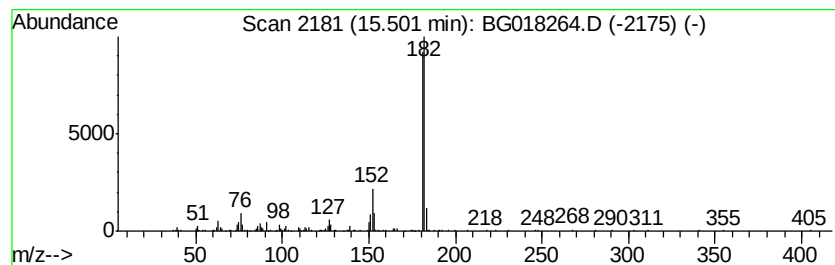
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	12.28 ng/ul	378338	Acenaphthene-d10	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5		9H-Xanthene	182	C13H10O	000092-83-1	60



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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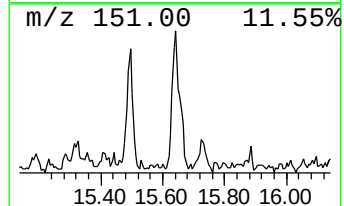
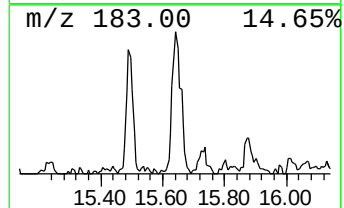
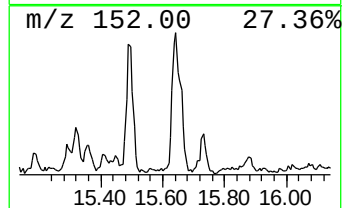
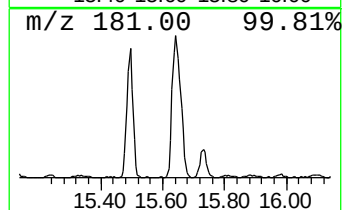
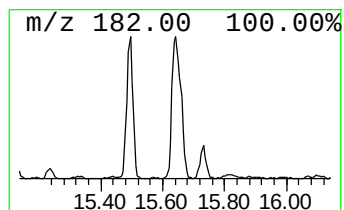
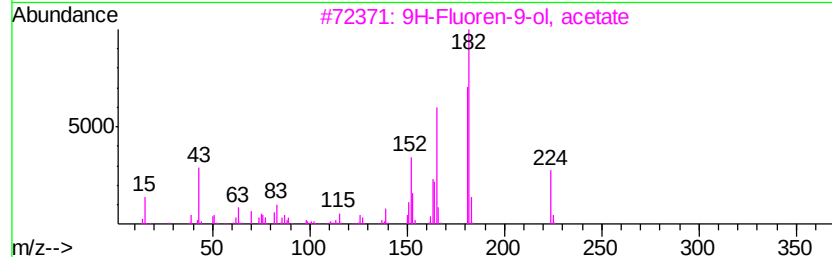
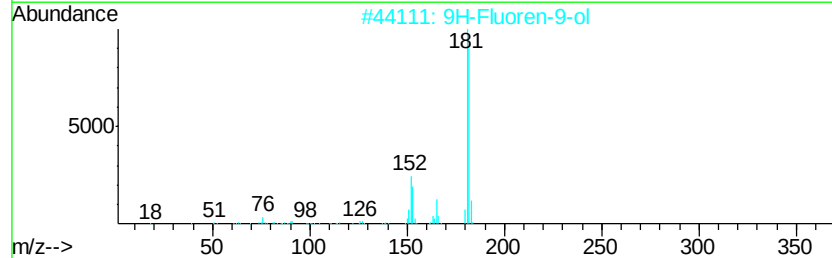
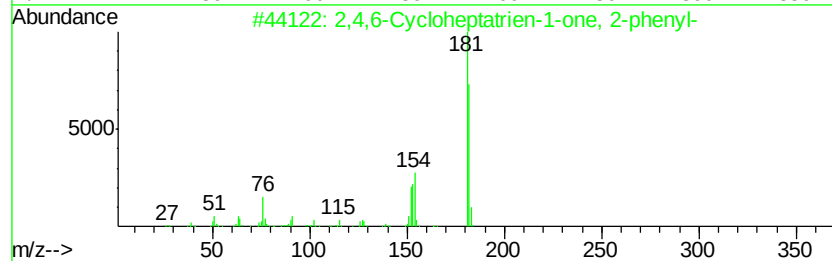
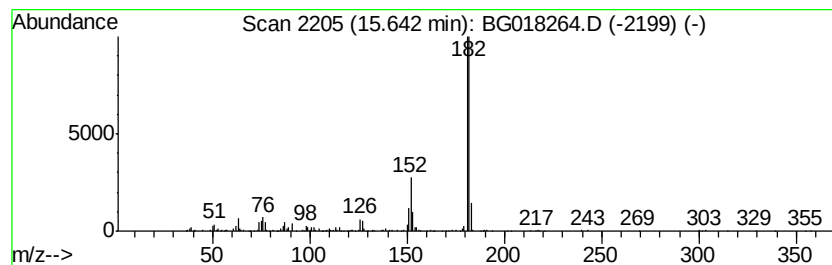
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	21.48 ng/ul	507536	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3			9H-Fluoren-9-ol, acetate	224	C15H12O2	025017-68-9	78
4			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

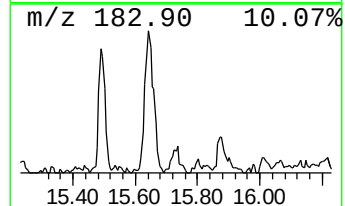
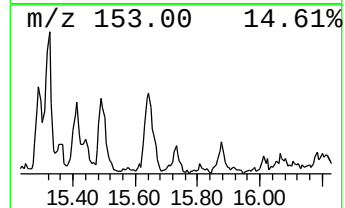
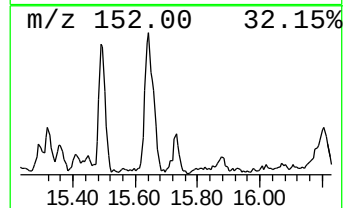
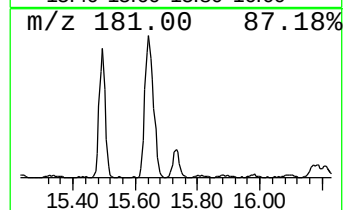
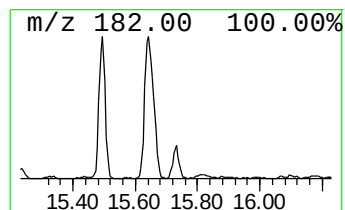
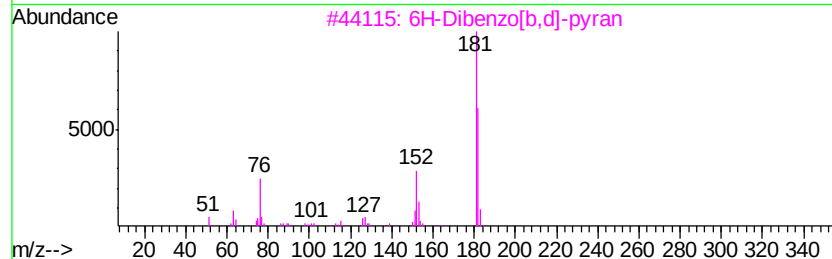
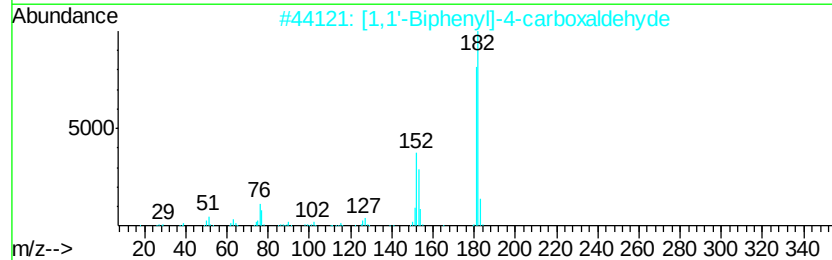
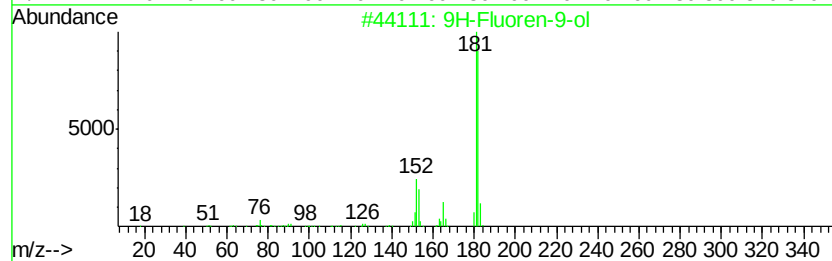
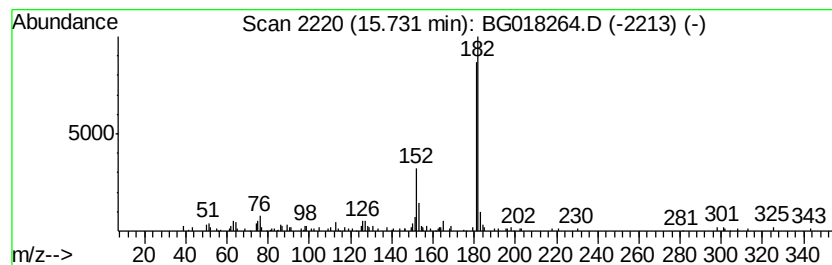
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 9H-Fluoren-9-ol Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	4.72 ng/ul	111463	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
3		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64
4		2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43
5		Acetic acid, 2-oxo-2-(1,1'-biphe...	254	C16H14O3	004376-27-6	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Misc :
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ClientSampled :
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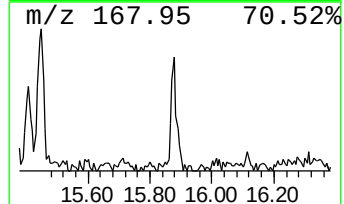
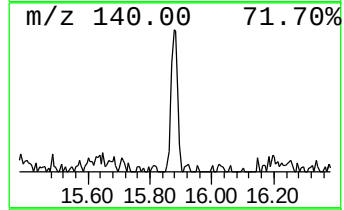
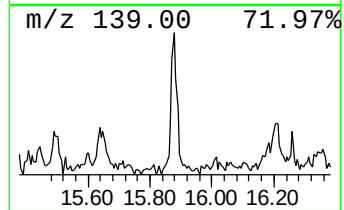
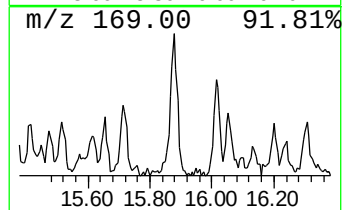
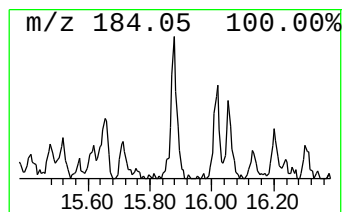
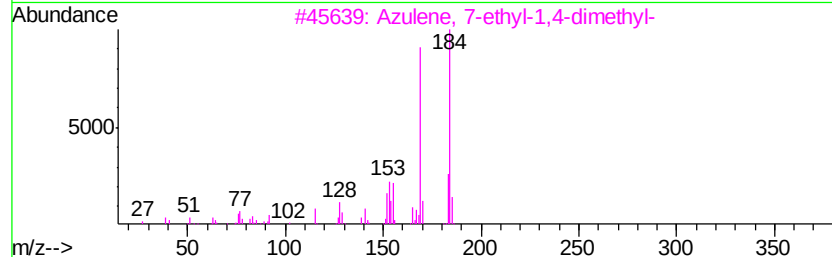
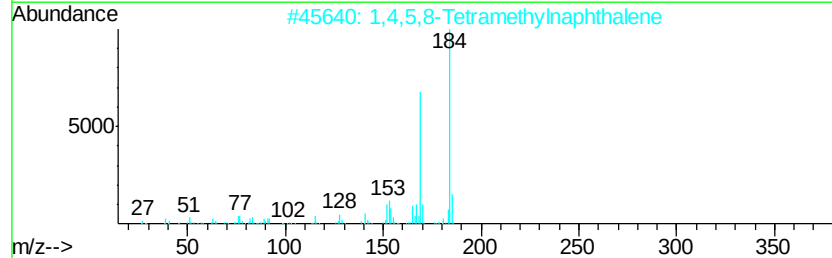
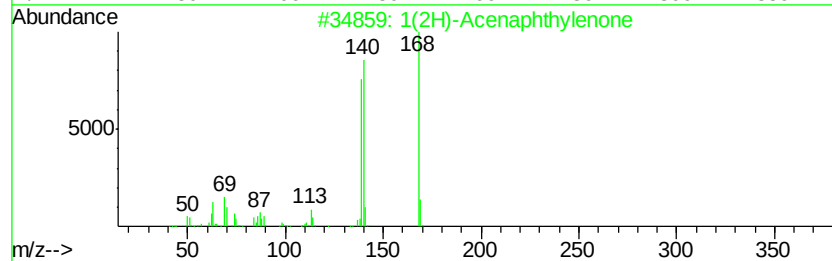
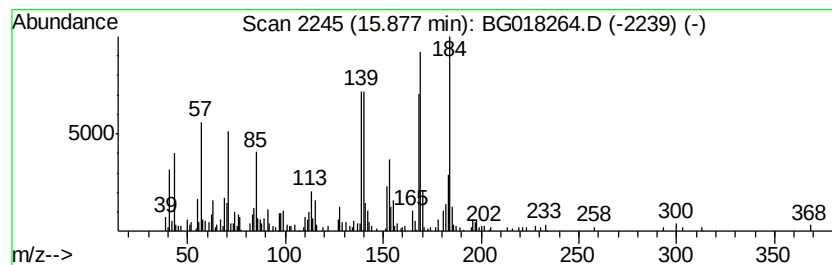
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 1(2H)-Acenaphthylene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	6.76 ng/ul	159648	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1(2H)-Acenaphthylene	168	C12H8O	002235-15-6	60
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	50
3		Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	50
4		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	38
5		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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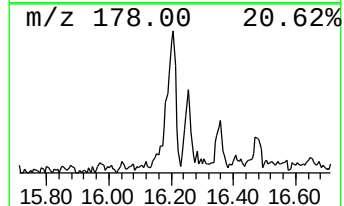
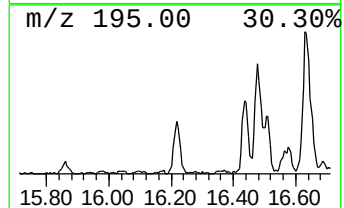
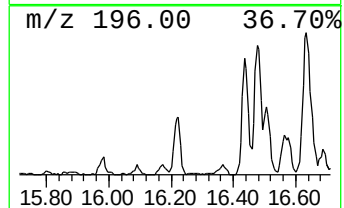
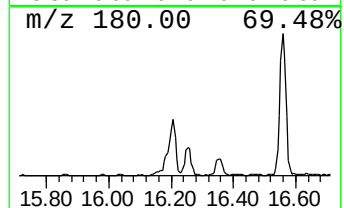
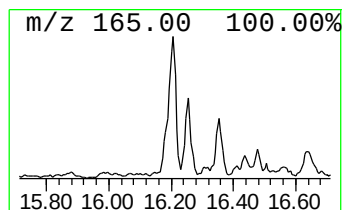
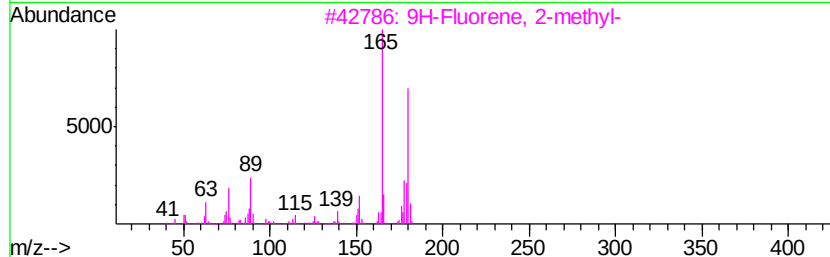
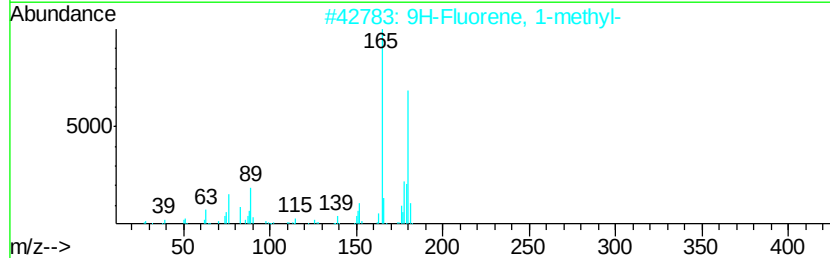
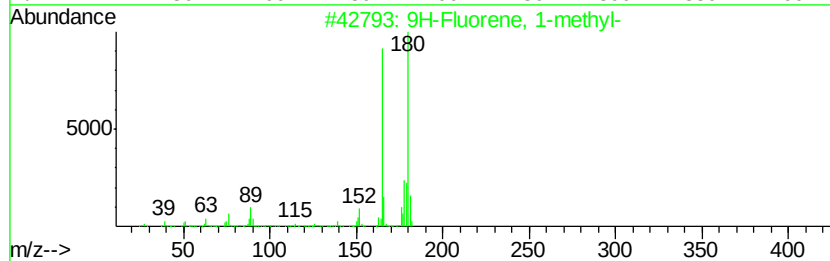
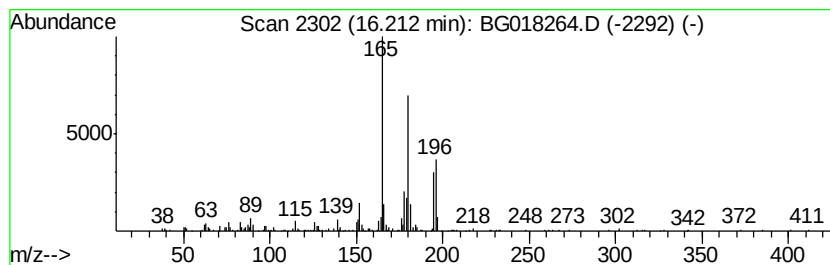
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	13.60 ng/ul	321481	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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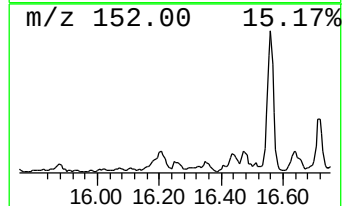
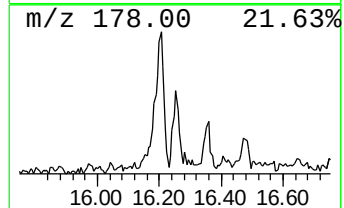
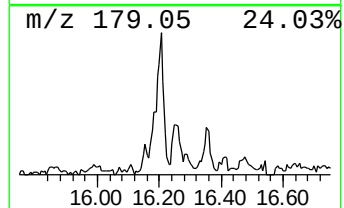
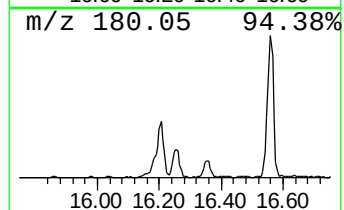
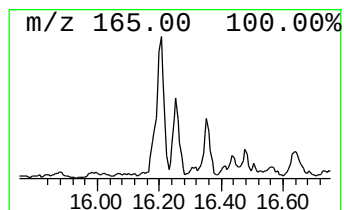
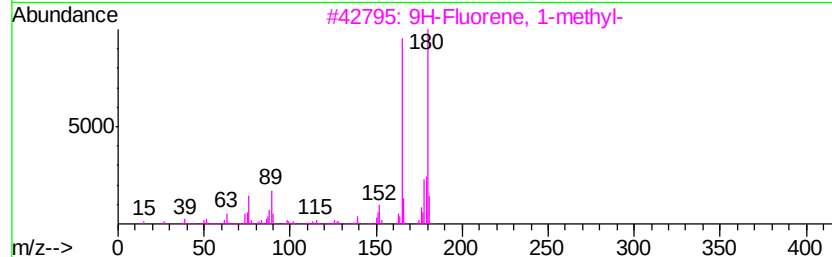
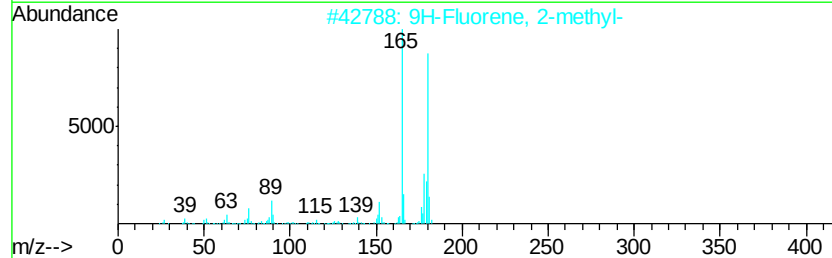
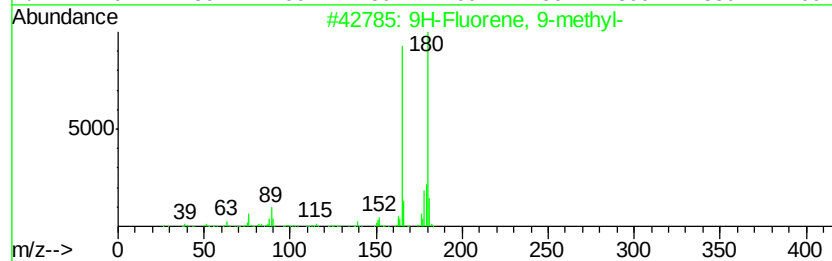
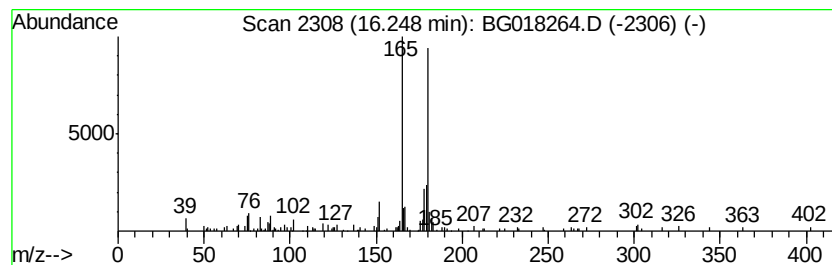
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	4.03 ng/ul	95246	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
4			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Acq On : 4 Aug 2015 21:50
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Sample : G3109-08
Misc :
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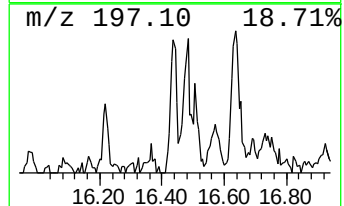
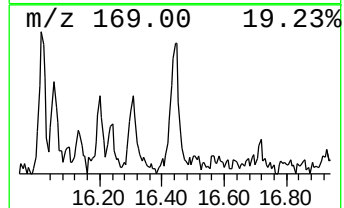
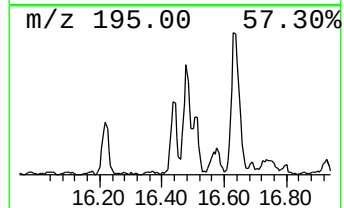
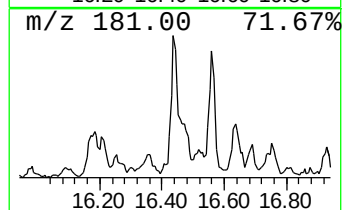
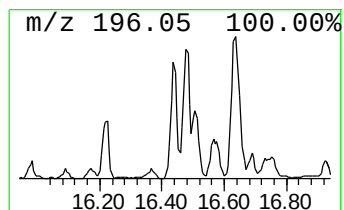
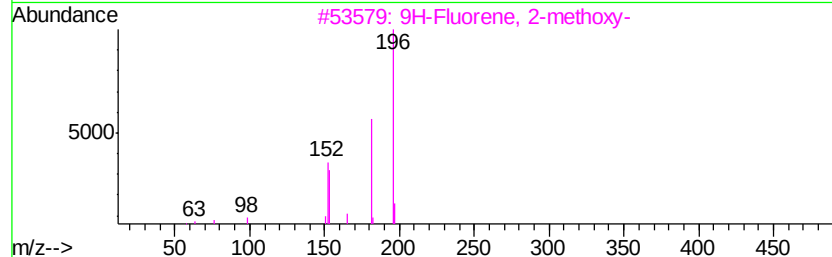
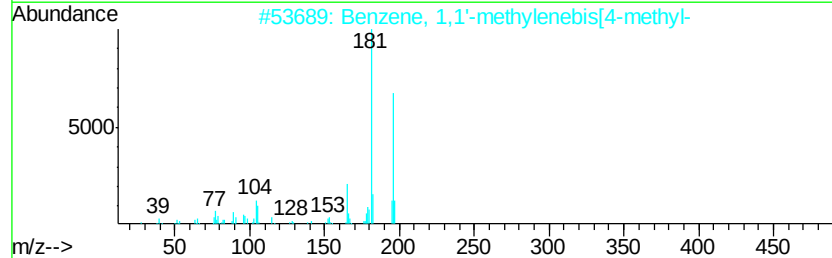
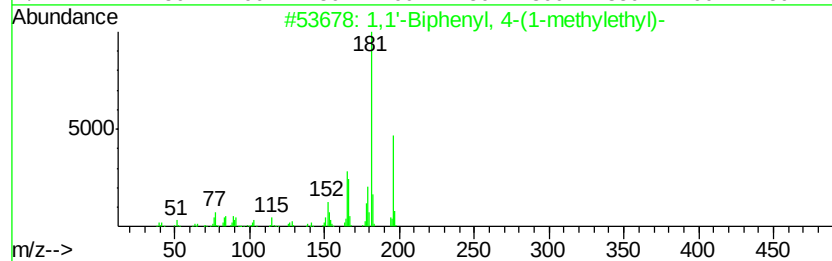
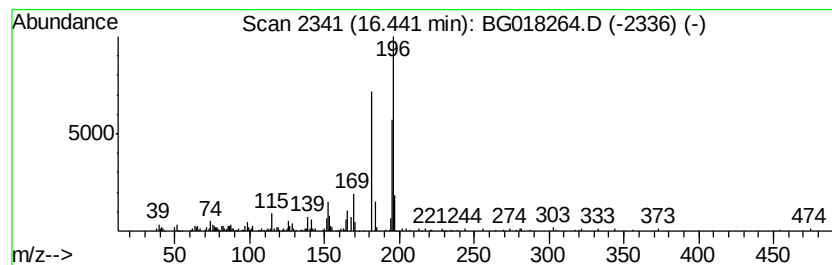
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.44	6.83 ng/ul	161447	Phenanthrene-d10	16.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	58
2	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	58
3	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	53
4	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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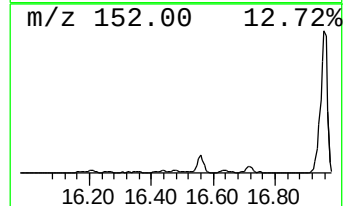
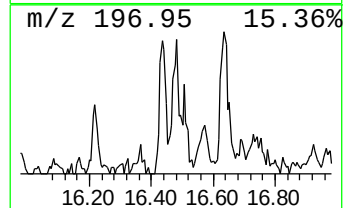
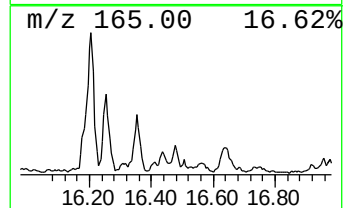
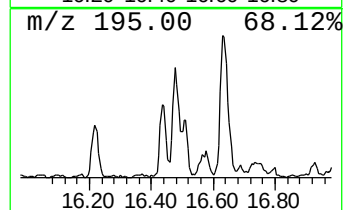
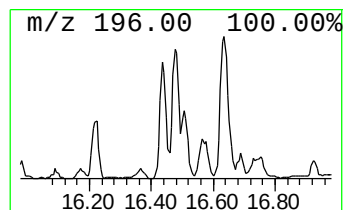
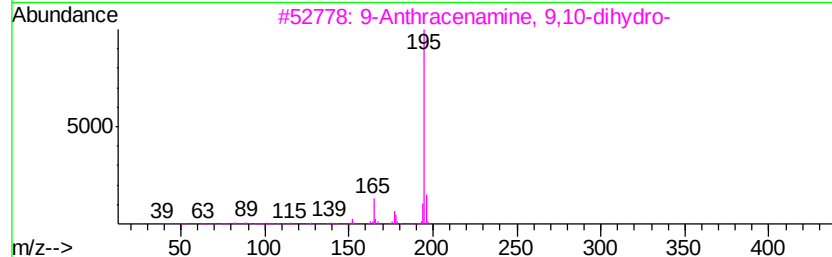
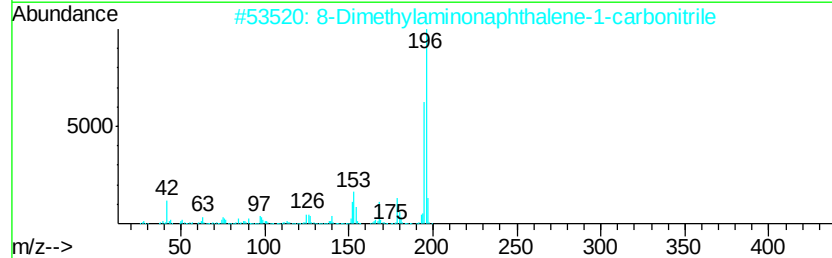
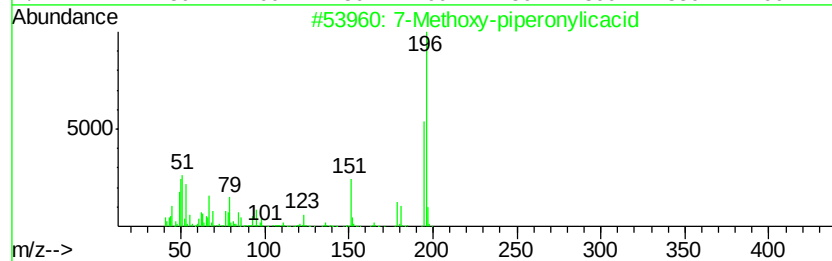
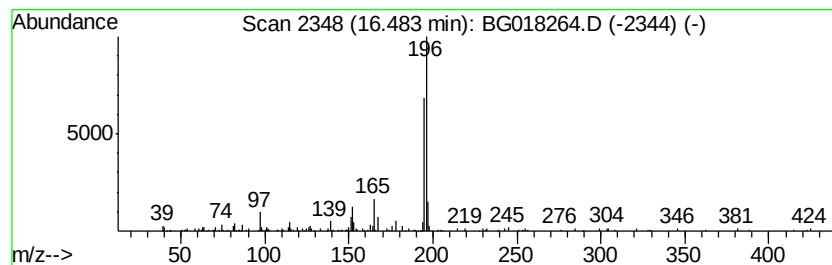
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 7-Methoxy-piperonylicacid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.48	5.43 ng/ul	128255	Phenanthrene-d10	16.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	59
2		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
3		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	49
4		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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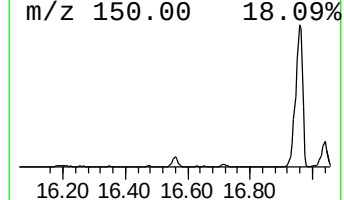
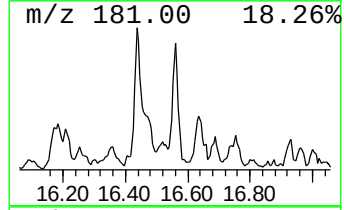
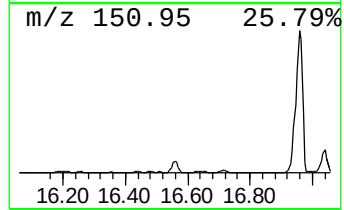
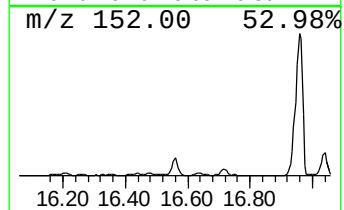
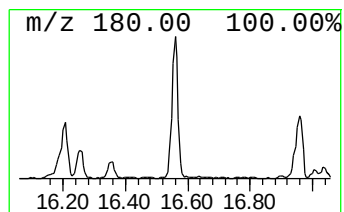
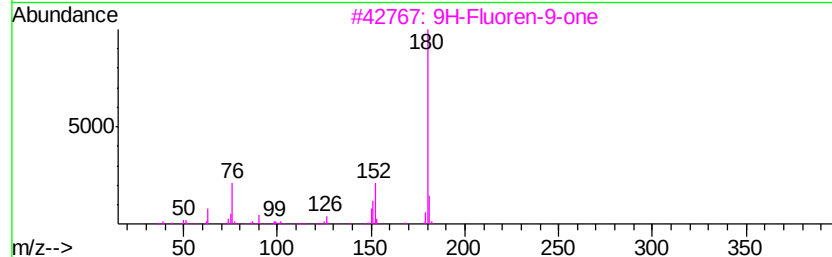
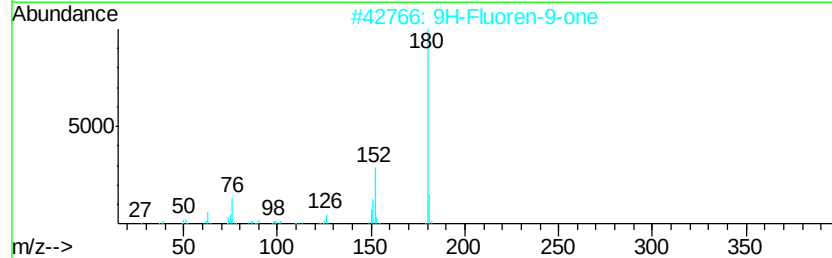
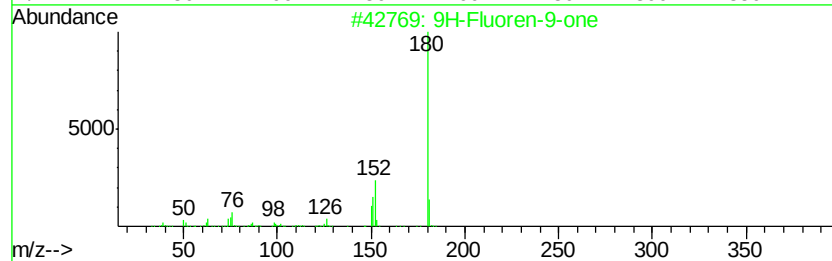
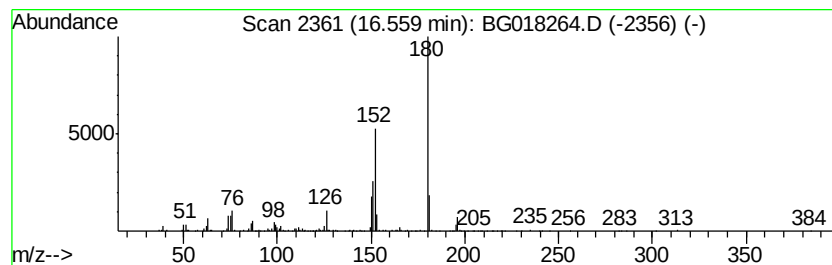
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	16.82 ng/ul	397612	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

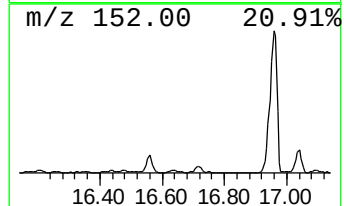
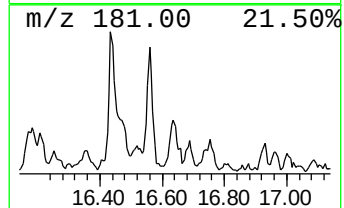
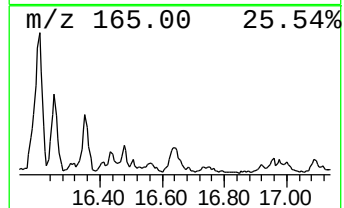
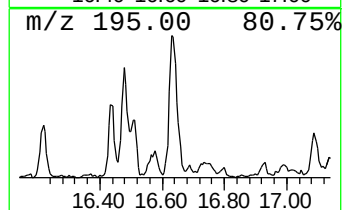
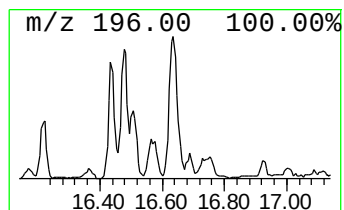
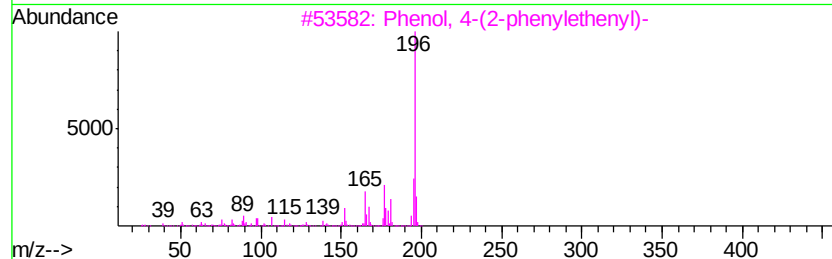
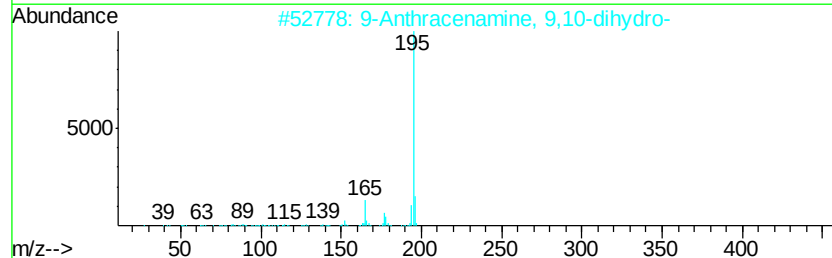
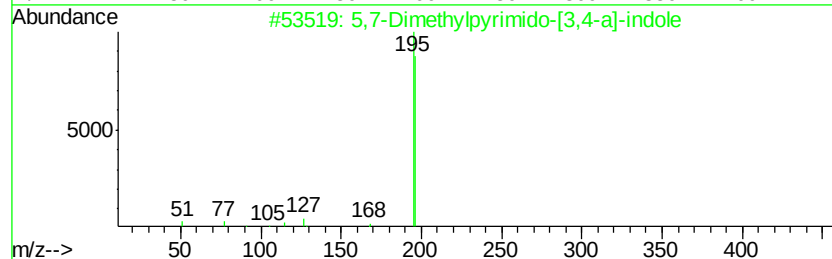
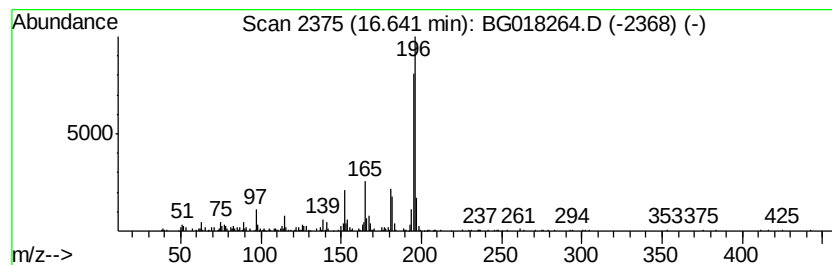
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	12.10 ng/ul	285974	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47
2		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	46
3		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43
4		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
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Instrument :
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ClientSampleId :
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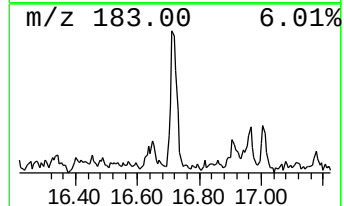
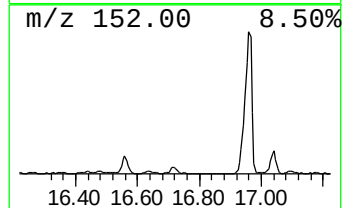
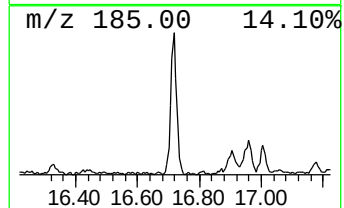
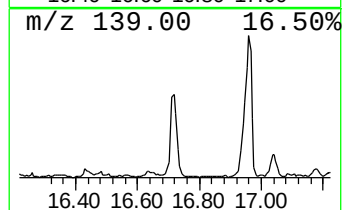
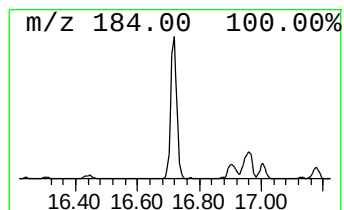
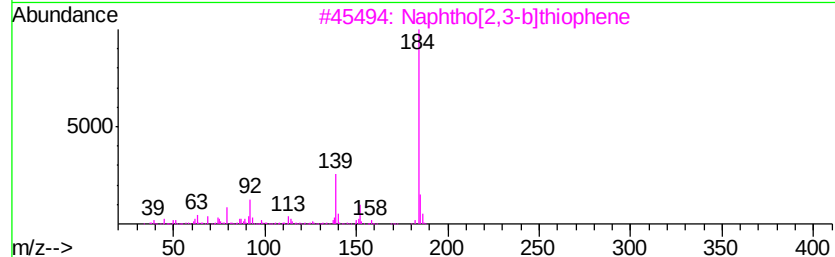
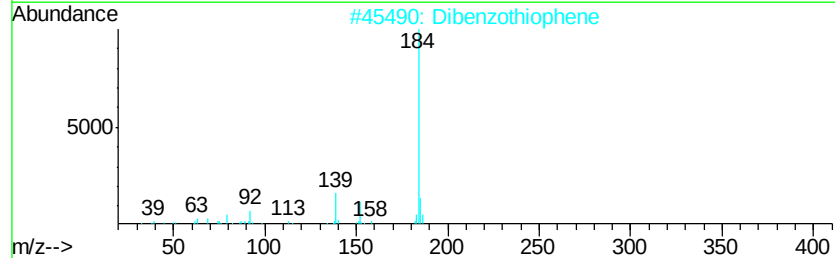
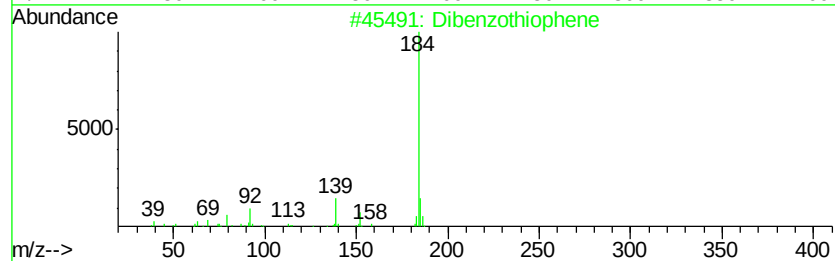
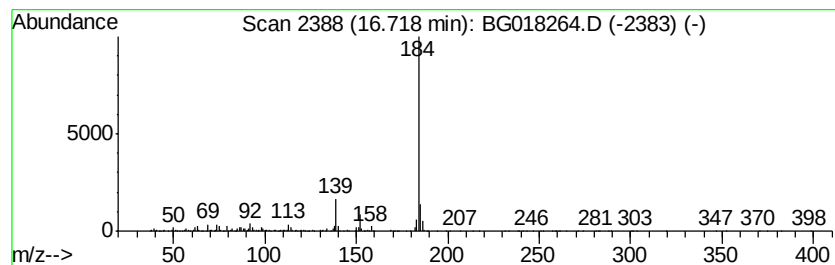
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	20.81 ng/ul	491707	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	91
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

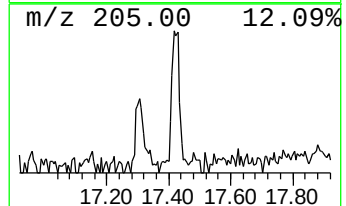
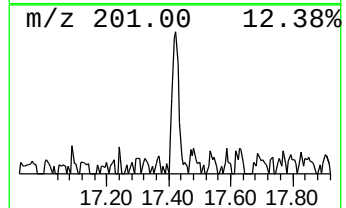
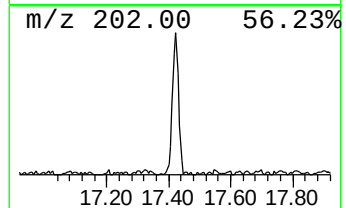
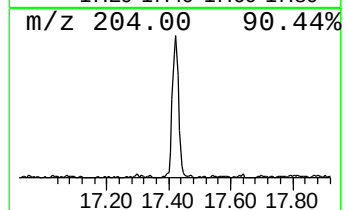
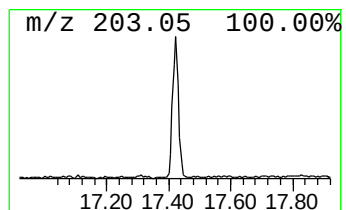
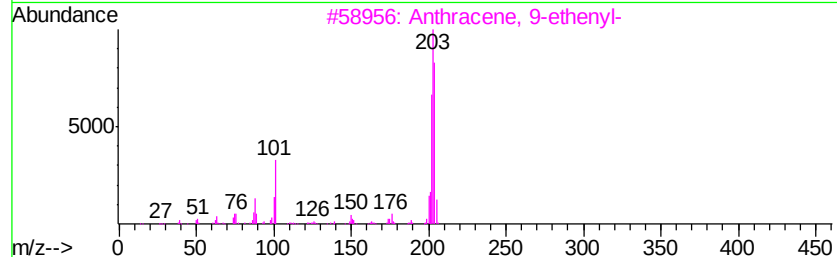
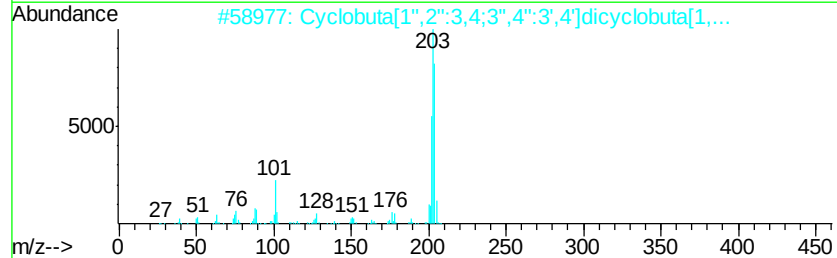
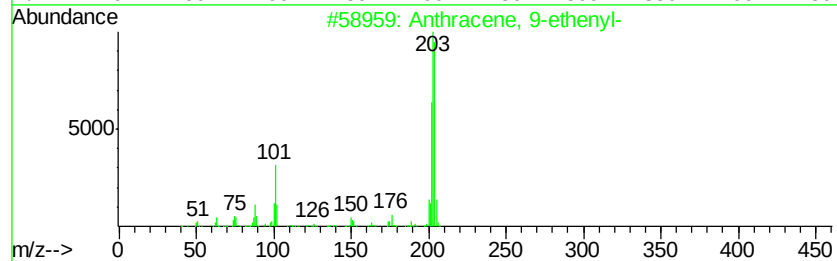
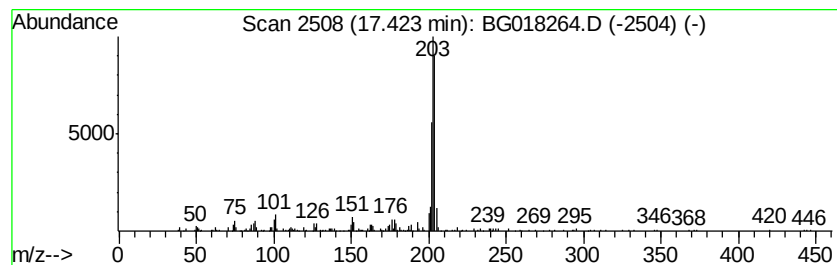
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Anthracene, 9-ethenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	5.59 ng/ul	132154	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2			Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	76
3			Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70
4			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	64
5			Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	58



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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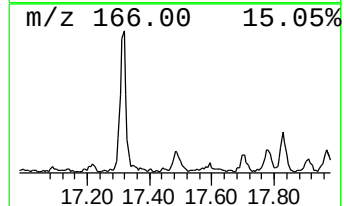
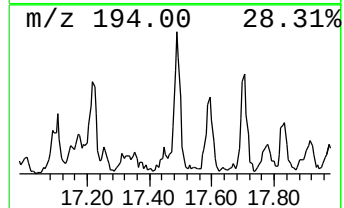
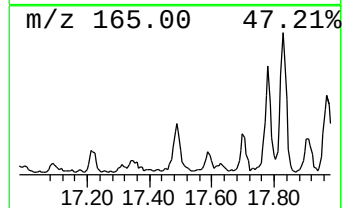
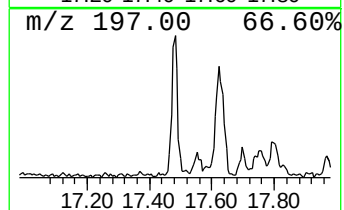
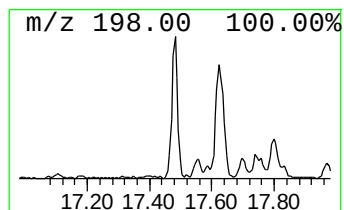
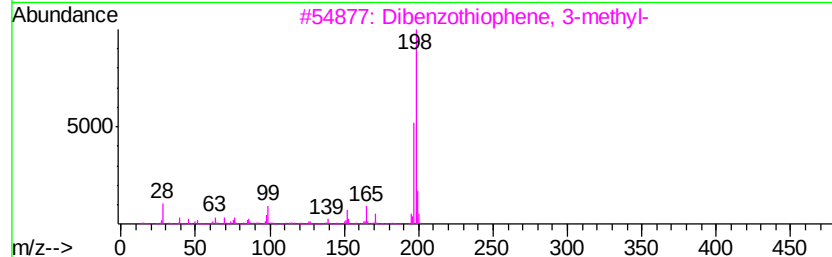
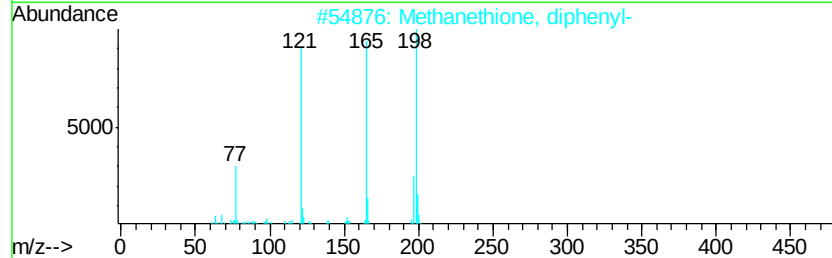
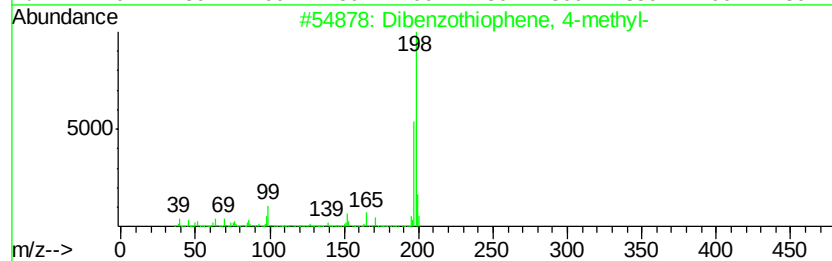
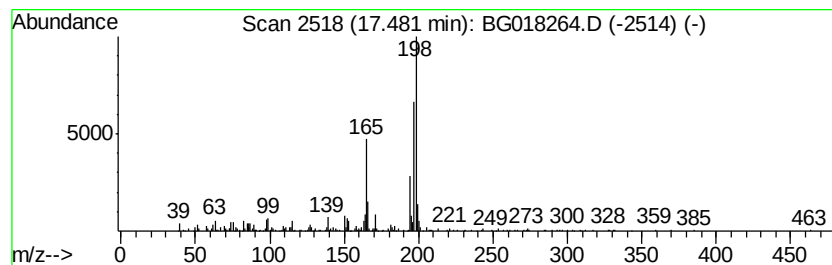
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	11.46 ng/ul	270862	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	68
2		Methanethione, diphenyl-	198	C13H10S	001450-31-3	64
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
4		Thiazolo[5,4-d]pyrimidine, 5-amino-	198	C6H6N4S2	019835-31-5	52
5		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	49



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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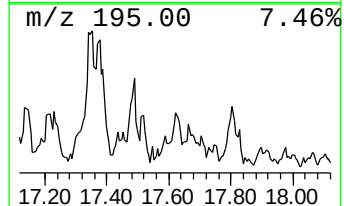
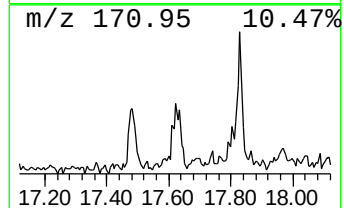
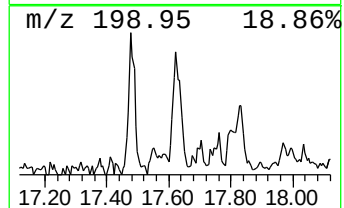
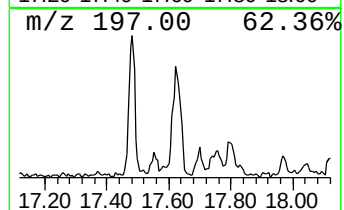
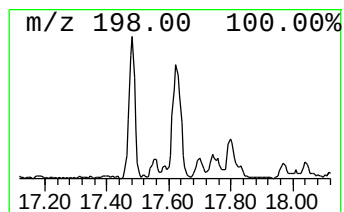
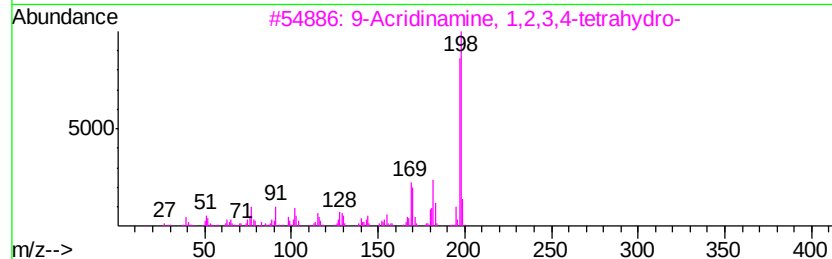
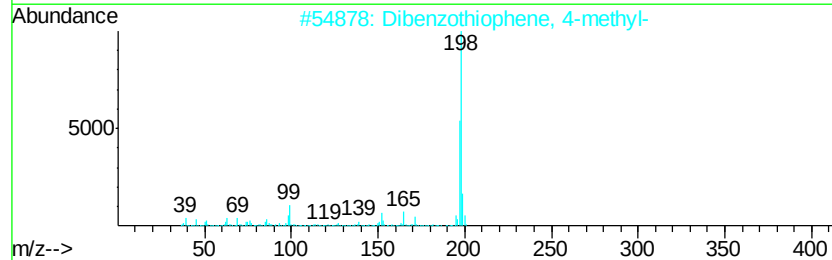
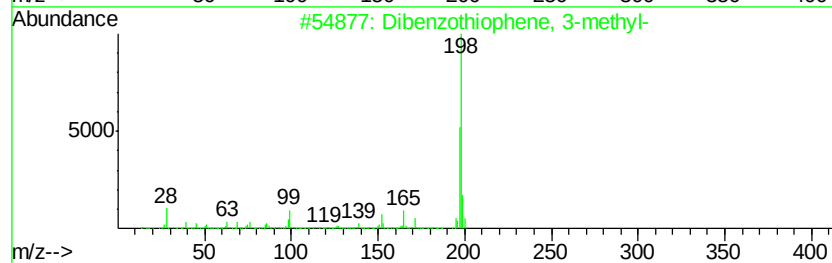
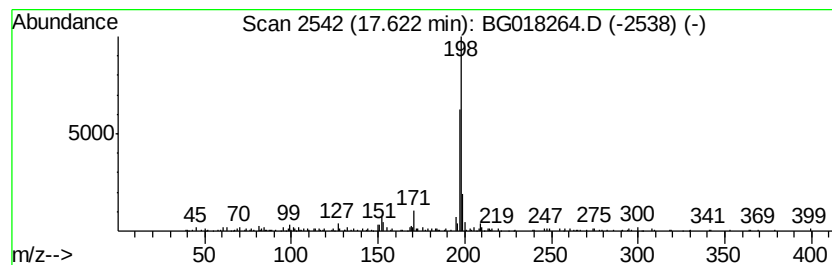
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Dibenzothiophene, 3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	5.28 ng/ul	124763	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
3		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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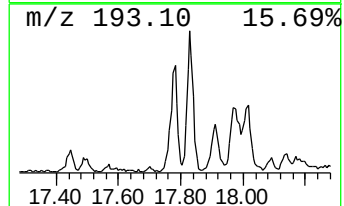
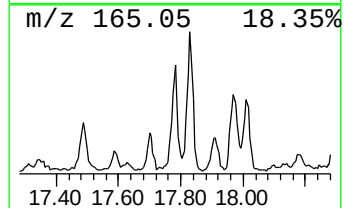
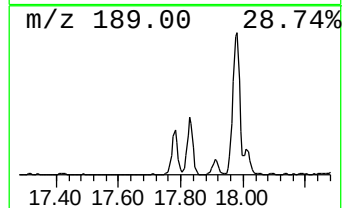
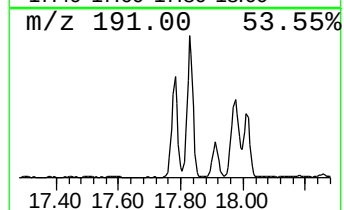
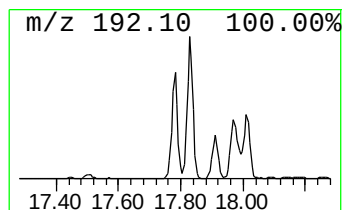
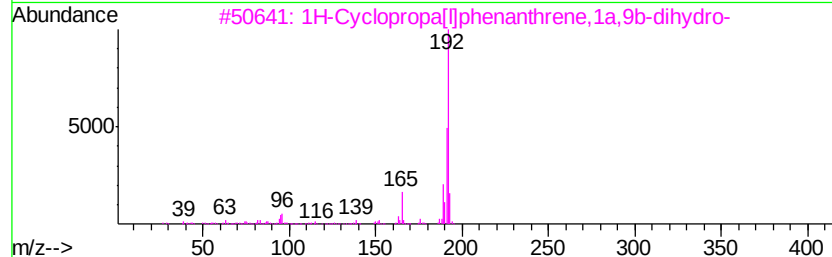
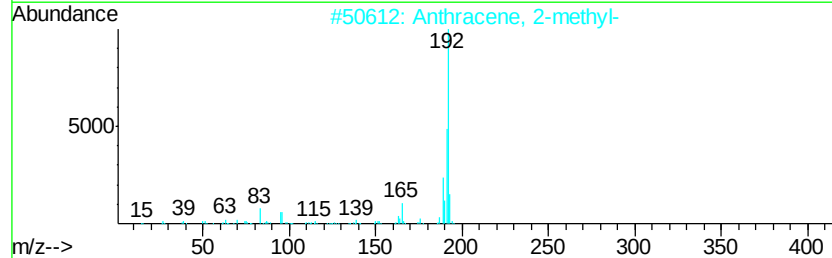
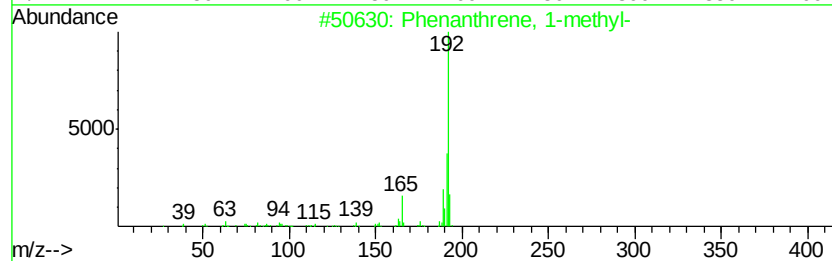
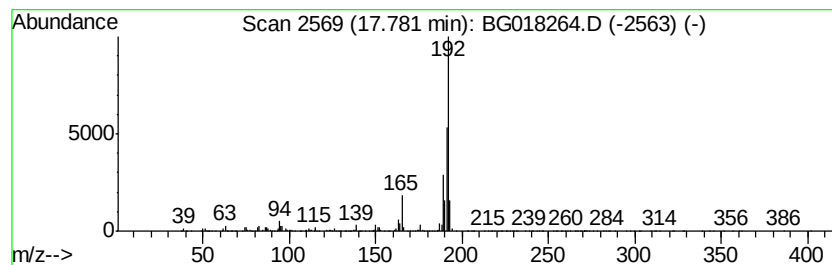
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	37.39 ng/ul	883593	Phenanthrene-d10	16.90

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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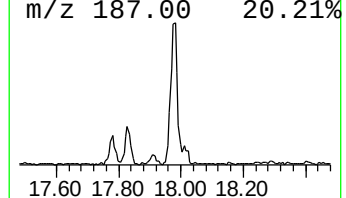
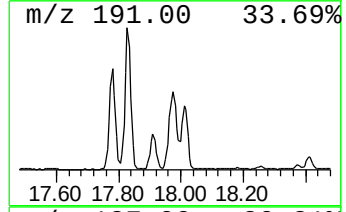
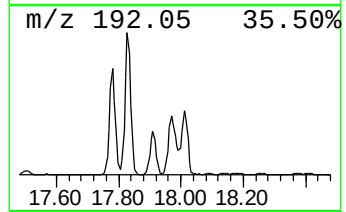
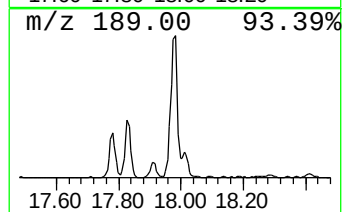
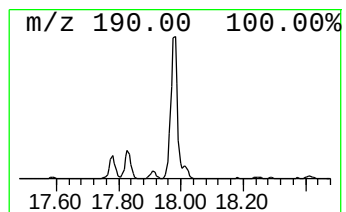
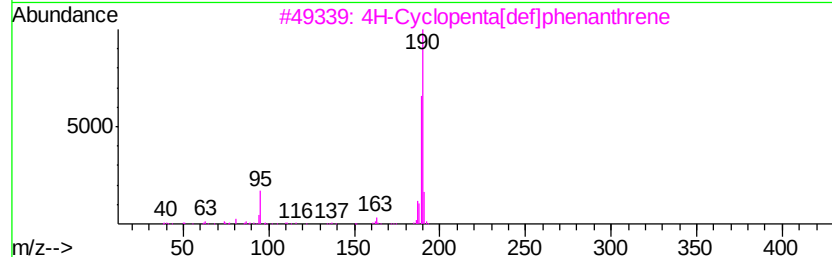
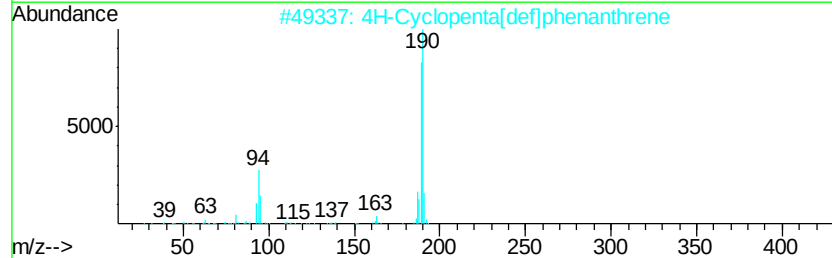
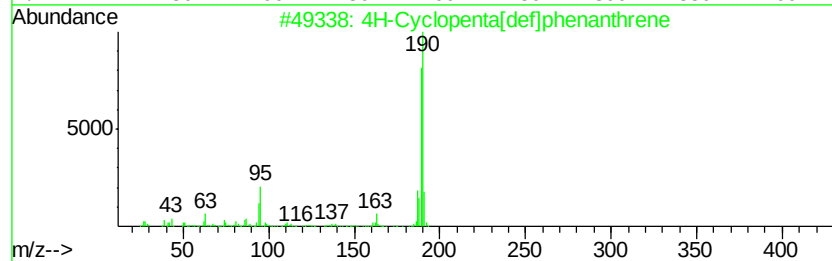
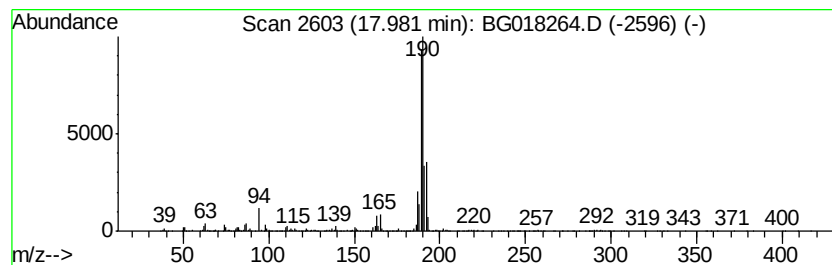
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	64.73 ng/ul	1529790	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42
5		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

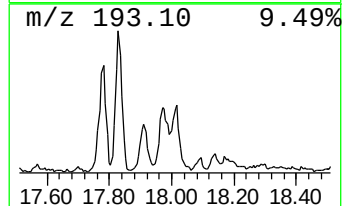
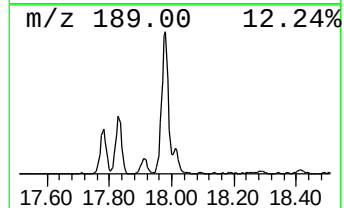
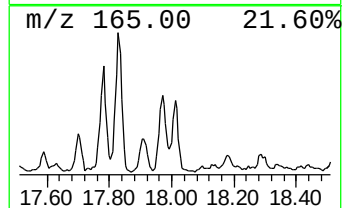
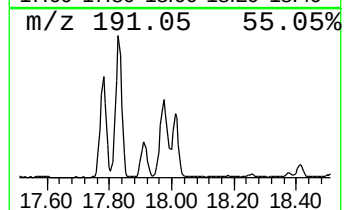
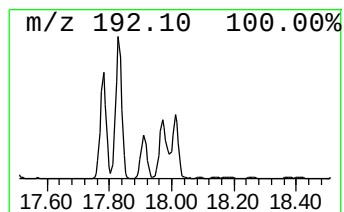
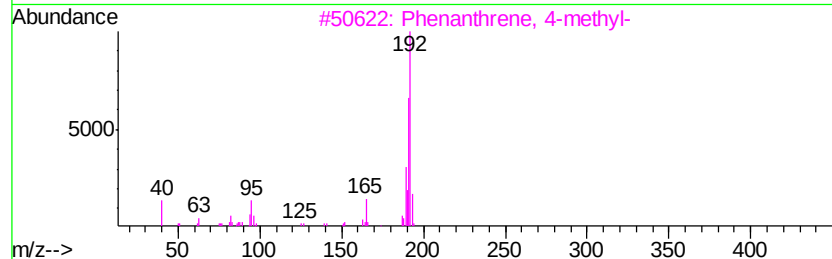
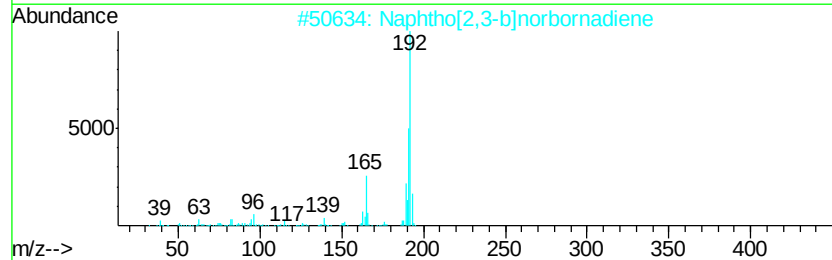
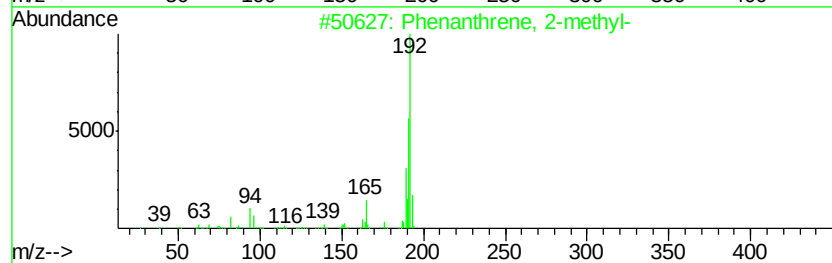
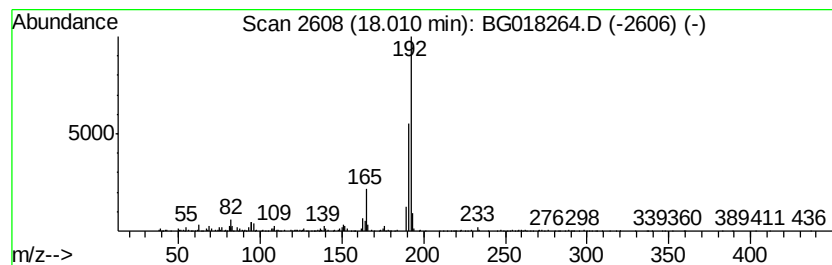
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	21.80 ng/ul	515087	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01J2

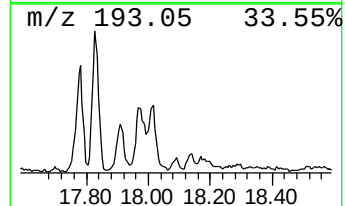
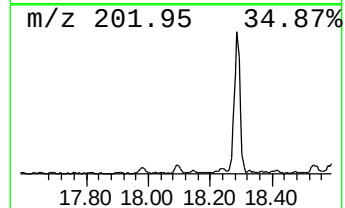
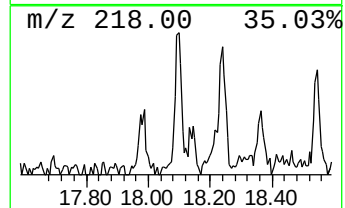
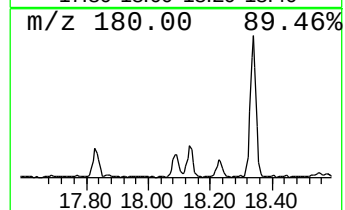
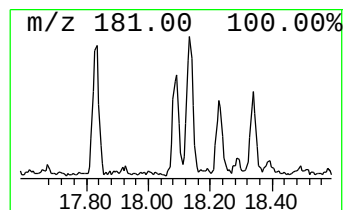
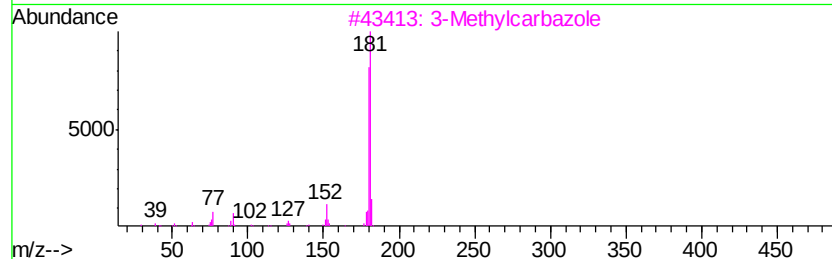
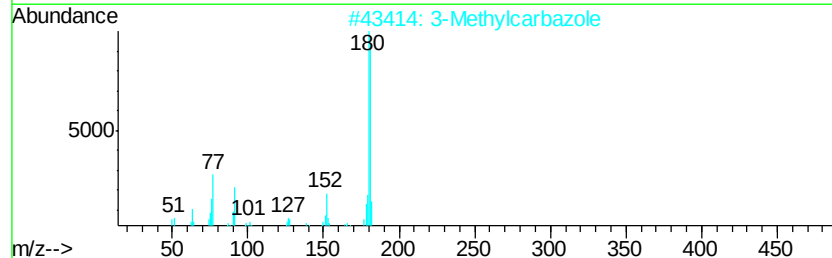
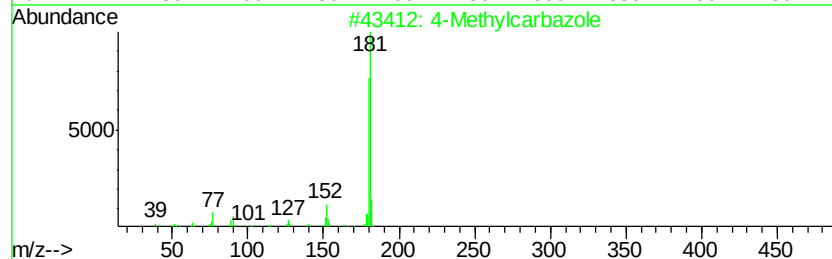
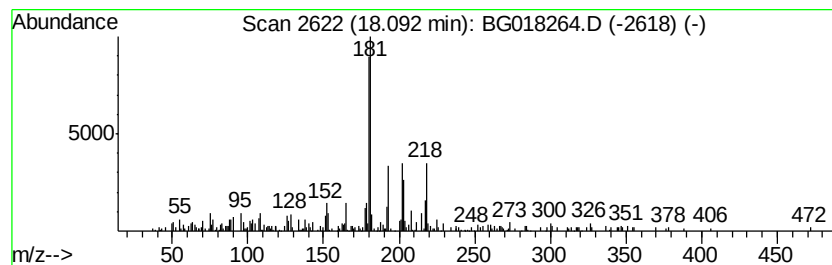
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 4-Methylcarbazole Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.61 ng/ul	108919	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylcarbazole	181	C13H11N	003770-48-7	78
2			3-Methylcarbazole	181	C13H11N	004630-20-0	60
3			3-Methylcarbazole	181	C13H11N	004630-20-0	60
4			3-Methylcarbazole	181	C13H11N	004630-20-0	53
5			1-Methylcarbazole	181	C13H11N	006510-65-2	49



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Sample : G3109-08
Misc :
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Instrument :
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ClientSampleId :
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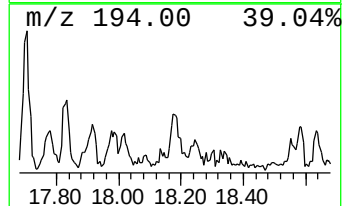
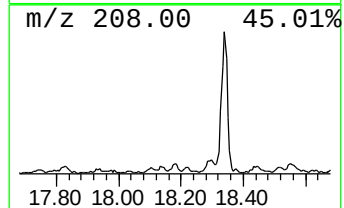
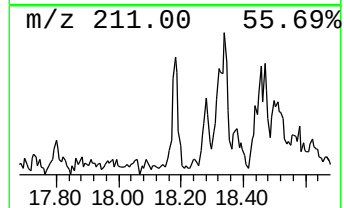
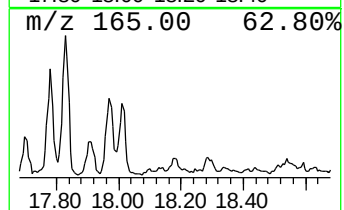
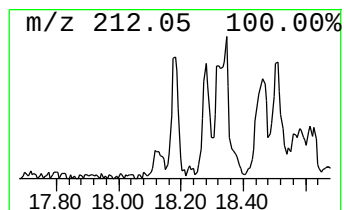
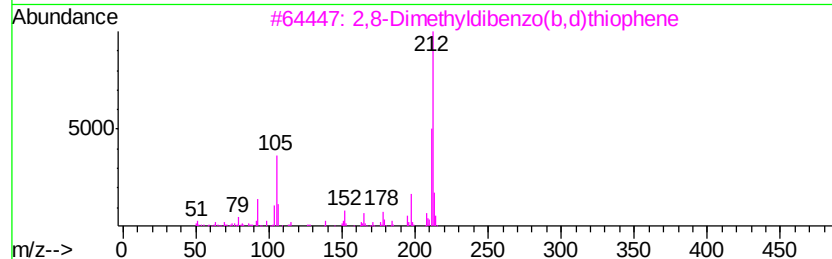
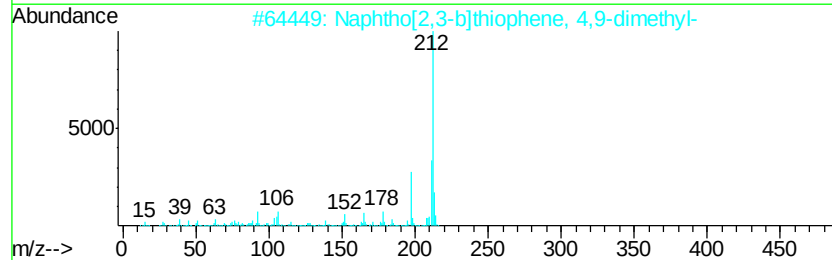
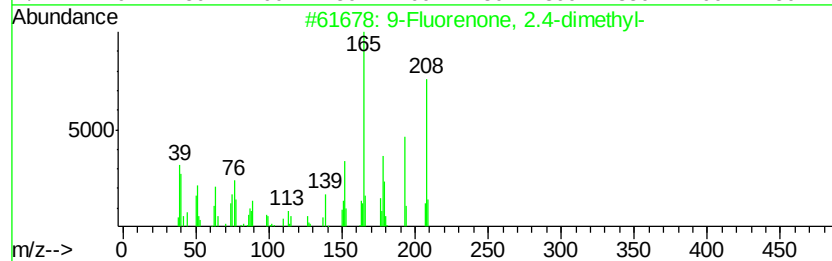
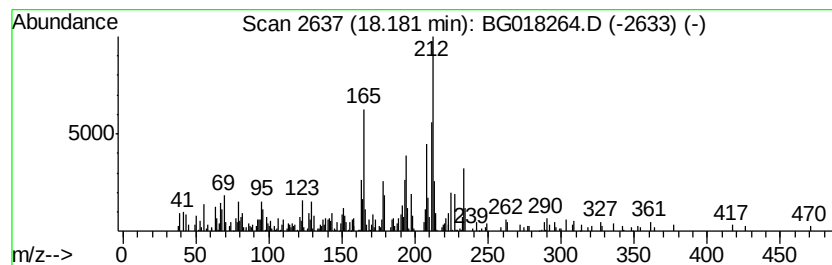
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 unknown-04 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	5.11 ng/ul	120645	Phenanthrene-d10	16.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Fluorenone, 2,4-dimethyl-	208	C15H12O	002928-39-4	45
2			Naphtho[2,3-b]thiophene, 4,9-dimethyl-	212	C14H12S	016587-34-1	30
3			2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	30
4			9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	25
5			9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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Misc :
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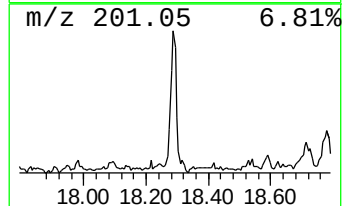
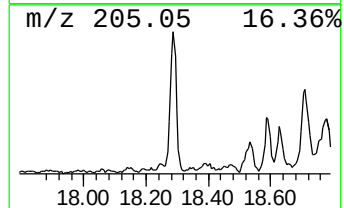
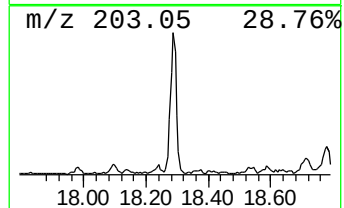
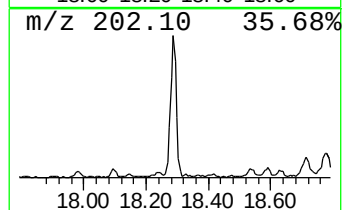
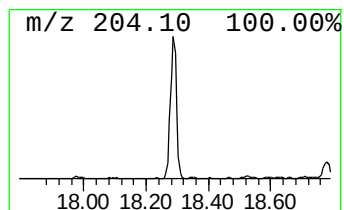
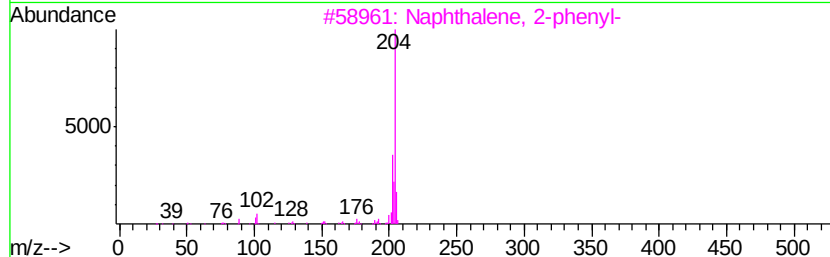
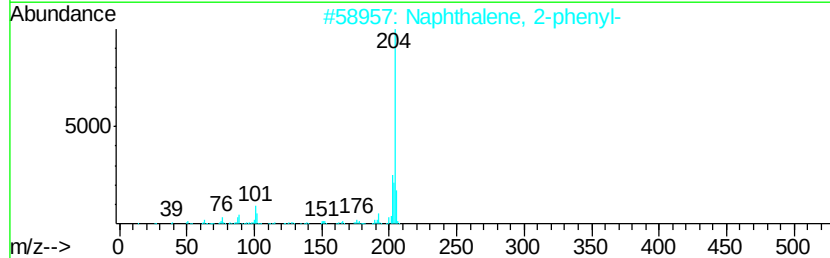
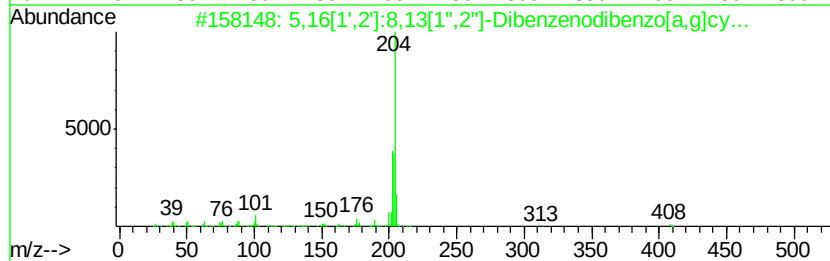
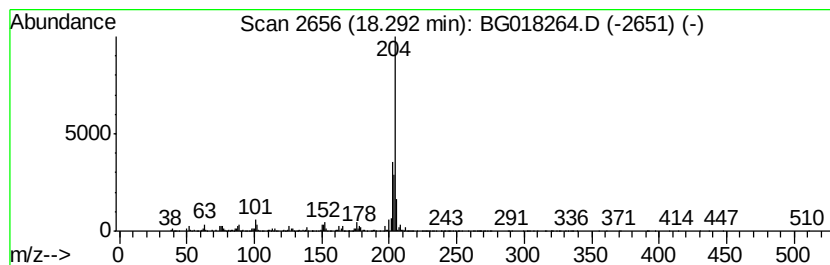
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	24.29 ng/ul	574125	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	64
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
Operator : UM/TP
Sample : G3109-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

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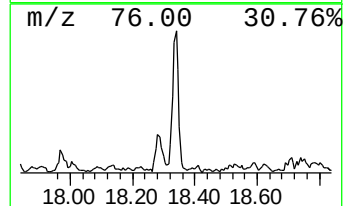
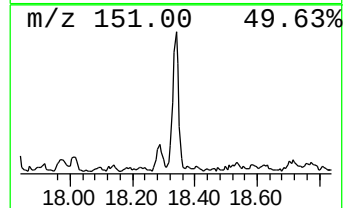
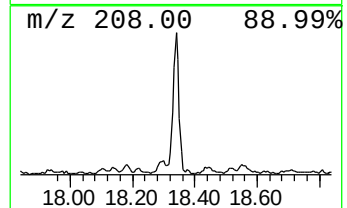
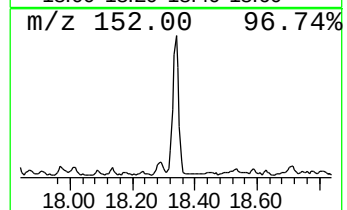
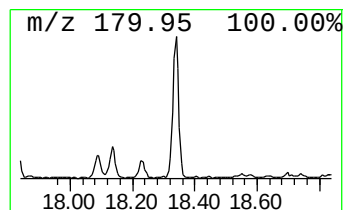
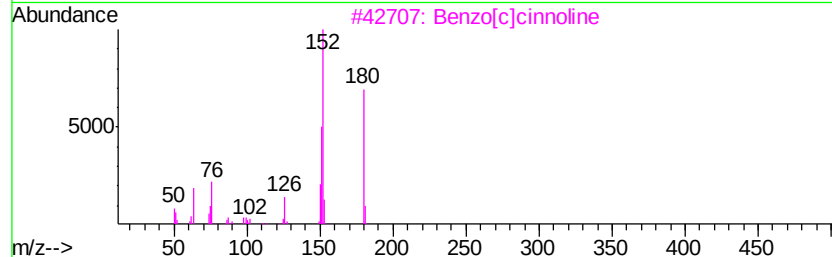
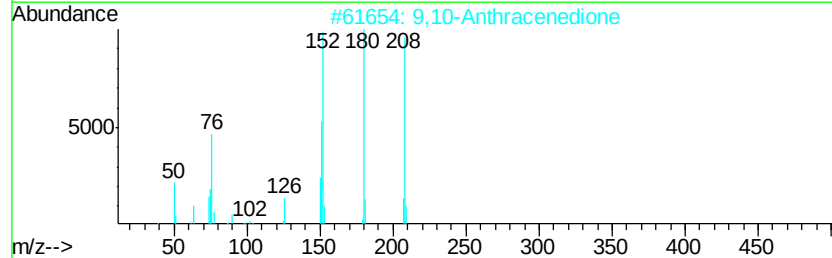
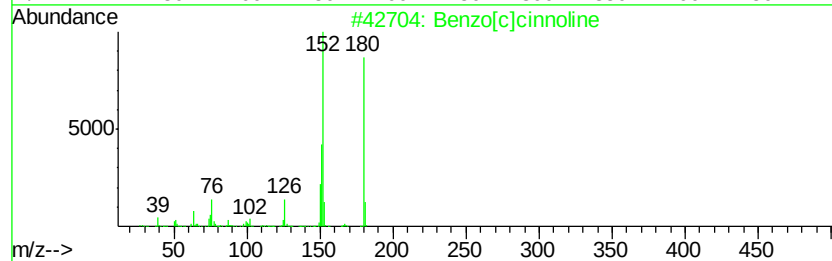
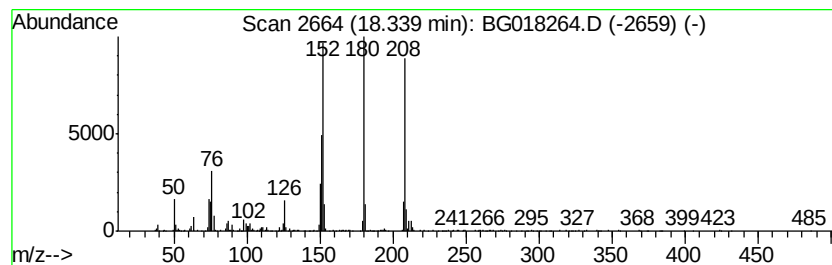
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 Benzo[c]cinnoline Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	22.85 ng/ul	540059	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
4		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018264.D
Acq On : 4 Aug 2015 21:50
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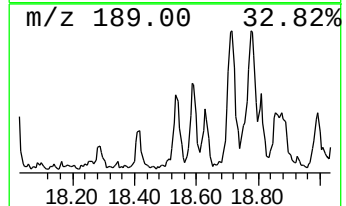
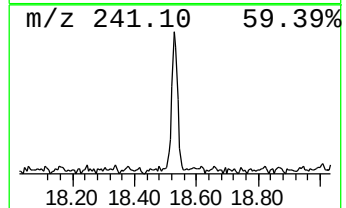
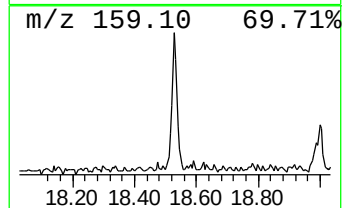
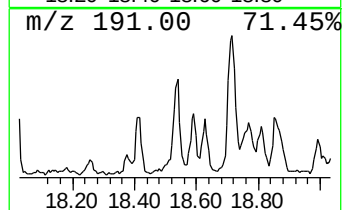
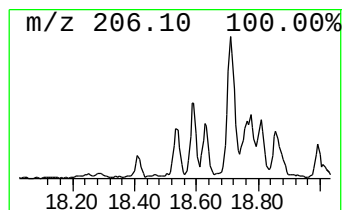
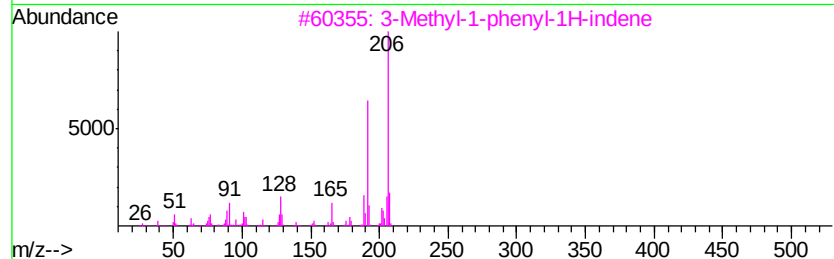
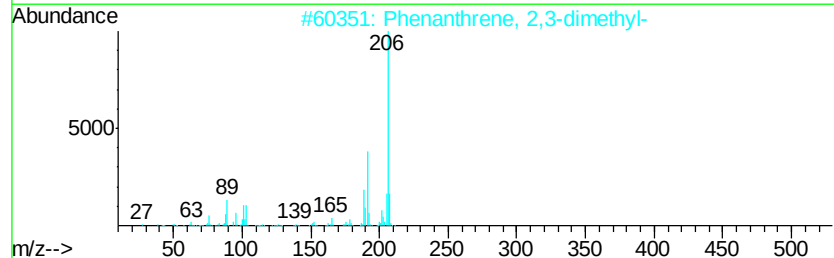
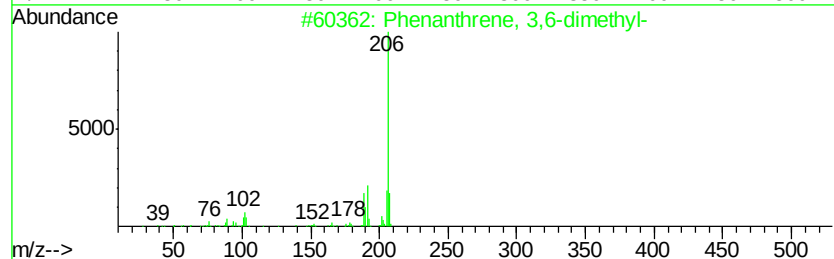
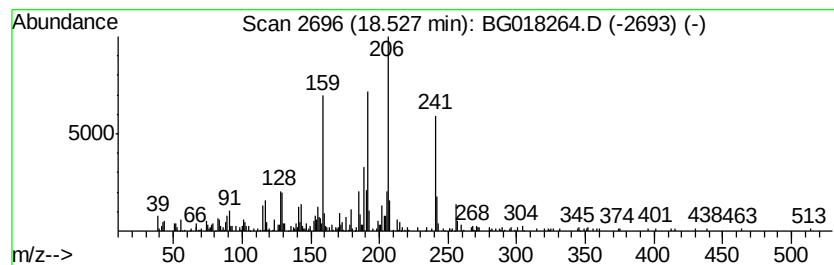
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	10.22 ng/ul	241427	Phenanthrene-d10	16.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
3		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	64
4		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	62



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018264.D
 Acq On : 4 Aug 2015 21:50
 Operator : UM/TP
 Sample : G3109-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 C01J2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.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
unknown-01	3.45	16.8	ng/ul	233568	1	7.46	278178	20.0
Naphthalene, 1,3-...	13.46	5.5	ng/ul	170130	3	14.14	616368	20.0
2-Dibenzofuransul...	14.54	21.8	ng/ul	673019	3	14.14	616368	20.0
Naphthalene, 1,4,...	14.62	3.3	ng/ul	100205	3	14.14	616368	20.0
Naphthalene, 1,6,...	14.77	3.8	ng/ul	116423	3	14.14	616368	20.0
Naphthalene, 2,3,...	14.82	3.6	ng/ul	112274	3	14.14	616368	20.0
unknown-02	15.35	3.8	ng/ul	117981	3	14.14	616368	20.0
Benzene, [1-(2,4-...	15.41	3.2	ng/ul	99442	3	14.14	616368	20.0
Dibenzofuran, 4-m...	15.50	12.3	ng/ul	378338	3	14.14	616368	20.0
2,4,6-Cycloheptat...	15.64	21.5	ng/ul	507536	4	16.90	472648	20.0
9H-Fluoren-9-ol	15.73	4.7	ng/ul	111463	4	16.90	472648	20.0
1(2H)-Acenaphthyl...	15.88	6.8	ng/ul	159648	4	16.90	472648	20.0
9H-Fluorene, 1-me...	16.21	13.6	ng/ul	321481	4	16.90	472648	20.0
9H-Fluorene, 9-me...	16.25	4.0	ng/ul	95246	4	16.90	472648	20.0
1,1'-Biphenyl, 4-...	16.44	6.8	ng/ul	161447	4	16.90	472648	20.0
7-Methoxy-piperon...	16.48	5.4	ng/ul	128255	4	16.90	472648	20.0
9H-Fluoren-9-one	16.56	16.8	ng/ul	397612	4	16.90	472648	20.0
unknown-03	16.64	12.1	ng/ul	285974	4	16.90	472648	20.0
Dibenzothiophene	16.72	20.8	ng/ul	491707	4	16.90	472648	20.0
Anthracene, 9-eth...	17.42	5.6	ng/ul	132154	4	16.90	472648	20.0
Dibenzothiophene,...	17.48	11.5	ng/ul	270862	4	16.90	472648	20.0
Dibenzothiophene,...	17.62	5.3	ng/ul	124763	4	16.90	472648	20.0
Phenanthrene, 1-m...	17.78	37.4	ng/ul	883593	4	16.90	472648	20.0
4H-Cyclopenta[def...	17.98	64.7	ng/ul	1529790	4	16.90	472648	20.0
Phenanthrene, 2-m...	18.01	21.8	ng/ul	515087	4	16.90	472648	20.0
4-Methylcarbazole	18.09	4.6	ng/ul	108919	4	16.90	472648	20.0
unknown-04	18.18	5.1	ng/ul	120645	4	16.90	472648	20.0
5,16[1',2']:8,13[...	18.29	24.3	ng/ul	574125	4	16.90	472648	20.0
Benzo[c]cinnoline	18.34	22.9	ng/ul	540059	4	16.90	472648	20.0
Phenanthrene, 3,6...	18.53	10.2	ng/ul	241427	4	16.90	472648	20.0