LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG122415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.236	741	748	759	rBB	37443	65198	1.88%	0.167%
2	7.394	769	775	782	rBV	30506	50321	1.45%	0.129%
3	7.606	805	811	819	rBV	39396	66485	1.92%	0.170%
4	8.076	884	891	898	rBB	61282	101261	2.92%	0.259%
5	8.781	1005	1011	1019	rBV	48143	84176	2.43%	0.215%
6	9.245	1084	1090	1097	rBV	38664	70016	2.02%	0.179%
7	9.974	1207	1214	1221	rBB	34200	59859	1.73%	0.153%
8	10.514	1299	1306	1317	rVB	55137	95897	2.76%	0.245%
9	10.890	1363	1370	1375	rBV	90711	162437	4.68%	0.416%
10	10.943	1375	1379	1386	rVV	33066	55805	1.61%	0.143%
11	11.031	1388	1394	1409	rBB3	22670	46269	1.33%	0.118%
12	12.541	1643	1651	1659	rBB	36620	56076	1.62%	0.144%
13	12.759	1679	1688	1695	rVB	33245	56692	1.63%	0.145%
14	14.034	1896	1905	1910	rBV	31807	56097	1.62%	0.144%
15	14.110	1910	1918	1922	rVV	109772	175962	5.07%	0.450%
16	14.157	1922	1926	1934	rVB2	44752	66300	1.91%	0.170%
17	14.404	1962	1968	1972	rBV	128304	232597	6.70%	0.595%
18	14.433	1972	1973	1986	rVB	78014	94070	2.71%	0.241%
19	14.709	2015	2020	2026	rVV2	160159	266567	7.68%	0.682%
20	14.774	2026	2031	2038	rVB	51618	80972	2.33%	0.207%
21	14.915	2049	2055	2063	rBV2	33058	59696	1.72%	0.153%
22	15.702	2184	2189	2194	rVV	189369	284438	8.20%	0.728%
23	15.755	2194	2198	2206	rVV	57067	103997	3.00%	0.266%
24	15.832	2206	2211	2216	rVV2	31818	60758	1.75%	0.156%
25	16.425	2308	2312	2322	rVB3	26770	54140	1.56%	0.139%
26	16.760	2360	2369	2373	rVV5	33282	77863	2.24%	0.199%
27	16.813	2373	2378	2382	rVV2	28799	47475	1.37%	0.122%
28	17.112	2423	2429	2435	rVB	47179	73345	2.11%	0.188%
29	17.277	2453	2457	2463	rVB	53307	79435	2.29%	0.203%
30	17.459	2482	2488	2491	rBV	228573	351897	10.14%	0.901%
31	17.506	2491	2496	2500	rVV	747122	1147773	33.09%	2.938%
32	17.559	2500	2505	2508	rVV	196879	314346	9.06%	0.805%
33	17.588	2508	2510	2515	rVV	151153	201573	5.81%	0.516%
34	17.635	2515	2518	2525	rVB5	21537	47931	1.38%	0.123%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG122415.M
Title : SVOA CALIBRATION

35	17.970	2571	2575	2580	rVV	61384	84360	2.43%	0.216%
36	18.035	2582	2586	2593	rVB	81417	126277	3.64%	0.323%
37	18.182	2606	2611	2617	rVB	41202	85771	2.47%	0.220%
38	18.334	2631	2637	2641	rVV	318649	484374	13.96%	1.240%
39	18.382	2641	2645	2650	rVB	369467	519877	14.99%	1.331%
40	18.464	2654	2659	2663	rVV2	77158	114472	3.30%	0.293%
41	18.523	2663	2669	2674	rVV2	413719	844293	24.34%	2.161%
42	18.564	2674	2676	2682	rVB	289777	327896	9.45%	0.839%
43	18.634	2682	2688	2692	rBV4	26979	45692	1.32%	0.117%
44	18.728	2699	2704	2707	rBV2	37671	48617	1.40%	0.124%
45	18.828	2716	2721	2725	rVV	203507	315212	9.09%	0.807%
46	18.875	2725	2729	2738	rVB2	172426	297143	8.57%	0.761%
47	18.951	2738	2742	2746	rBV	30042	49824	1.44%	0.128%
48	19.069	2754	2762	2766	rBV2	92827	190066	5.48%	0.486%
49	19.122	2767	2771	2774	rVV	96799	135341	3.90%	0.346%
50	19.157	2774	2777	2785	rVB2	69860	97413	2.81%	0.249%
51	19.245	2785	2792	2796	rBV	300545	525841	15.16%	1.346%
52	19.304	2796	2802	2805	rVV4	151350	355171	10.24%	0.909%
53	19.333	2805	2807	2811	rVV	119111	126709	3.65%	0.324%
54	19.392	2811	2817	2827	rVV5	192236	450653	12.99%	1.153%
55	19.515	2828	2838	2843	rVV	1200684	1868255	53.85%	4.782%
56	19.568	2843	2847	2850	rVV	90134	121992	3.52%	0.312%
57	19.604	2850	2853	2857	rVB	82046	115041	3.32%	0.294%
58	19.656	2857	2862	2867	rBV	202647	289362	8.34%	0.741%
59	19.703	2867	2870	2874	rVV2	62546	87812	2.53%	0.225%
60	19.750	2874	2878	2880	rVV2	42027	59786	1.72%	0.153%
61	19.780	2880	2883	2888	rVB	89915	116586	3.36%	0.298%
62	19.880	2888	2900	2906	rBV	2003292	3469109	100.00%	8.879%
63	19.933	2906	2909	2915	rVB	116005	178023	5.13%	0.456%
64	20.097	2933	2937	2945	rVB4	78465	135318	3.90%	0.346%
65	20.191	2946	2953	2961	rBV2	287700	673859	19.42%	1.725%
66	20.356	2970	2981	2990	rVB	457398	1229693	35.45%	3.147%
67	20.456	2990	2998	3003	rBV	316784	526730	15.18%	1.348%
68	20.520	3003	3009	3013	rBV	424938	580711	16.74%	1.486%
69	20.602	3019	3023	3028	rVB3	37523	62158	1.79%	0.159%
70	20.661	3028	3033	3036	rBV	389592	536211	15.46%	1.372%
71	20.702	3036	3040	3048	rVB	370845	521008	15.02%	1.334%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG122415.M
Title : SVOA CALIBRATION

72	20.908	3072	3075	3078	rBV4	46312	71799	2.07%	0.184%
73	20.949	3079	3082	3085	rVV2	56185	86881	2.50%	0.222%
74	21.084	3100	3105	3108	rBV4	64831	137280	3.96%	0.351%
75	21.125	3108	3112	3118	rVB2	214758	381955	11.01%	0.978%
76	21.219	3126	3128	3133	rVB	47907	59642	1.72%	0.153%
77	21.313	3135	3144	3147	rVV3	201640	438597	12.64%	1.123%
78	21.355	3147	3151	3155	rVB	254738	361071	10.41%	0.924%
79	21.401	3155	3159	3163	rBV	169652	248959	7.18%	0.637%
80	21.466	3168	3170	3177	rVB	148990	215027	6.20%	0.550%
81	21.725	3207	3214	3220	rBV2	1042561	2444644	70.47%	6.257%
82	21.789	3221	3225	3232	rVB	1141976	1960507	56.51%	5.018%
83	21.889	3239	3242	3246	rVB2	63908	89778	2.59%	0.230%
84	21.948	3247	3252	3257	rVV4	87938	172821	4.98%	0.442%
85	22.013	3257	3263	3280	rVB	391210	873445	25.18%	2.236%
86	22.212	3293	3297	3303	rVB5	70393	122439	3.53%	0.313%
87	22.400	3324	3329	3333	rBV	90748	179560	5.18%	0.460%
88	22.477	3333	3342	3349	rVV	361403	905318	26.10%	2.317%
89	22.547	3350	3354	3363	rVB2	209539	442220	12.75%	1.132%
90	22.641	3366	3370	3375	rVB2	90075	159716	4.60%	0.409%
91	22.753	3385	3389	3393	rBV2	127113	220953	6.37%	0.566%
92	22.900	3409	3414	3420	rVB2	92255	187321	5.40%	0.479%
93	23.987	3589	3599	3606	rBV2	657077	2283668	65.83%	5.845%
94	24.233	3635	3641	3654	rVB	119584	300238	8.65%	0.768%
95	24.721	3714	3724	3731	rBV	448446	1290731	37.21%	3.304%
96	24.880	3741	3751	3760	rVB	714944	2046601	59.00%	5.238%
97	25.015	3768	3774	3781	rVV	118219	294844	8.50%	0.755%
98	25.097	3783	3788	3802	rVB3	124506	431221	12.43%	1.104%
99	28.775	4401	4414	4433	rVB3	220760	1153311	33.25%	2.952%
100	29.950	4602	4614	4636	rVB2	172856	865066	24.94%	2.214%

Sum of corrected areas: 39069993

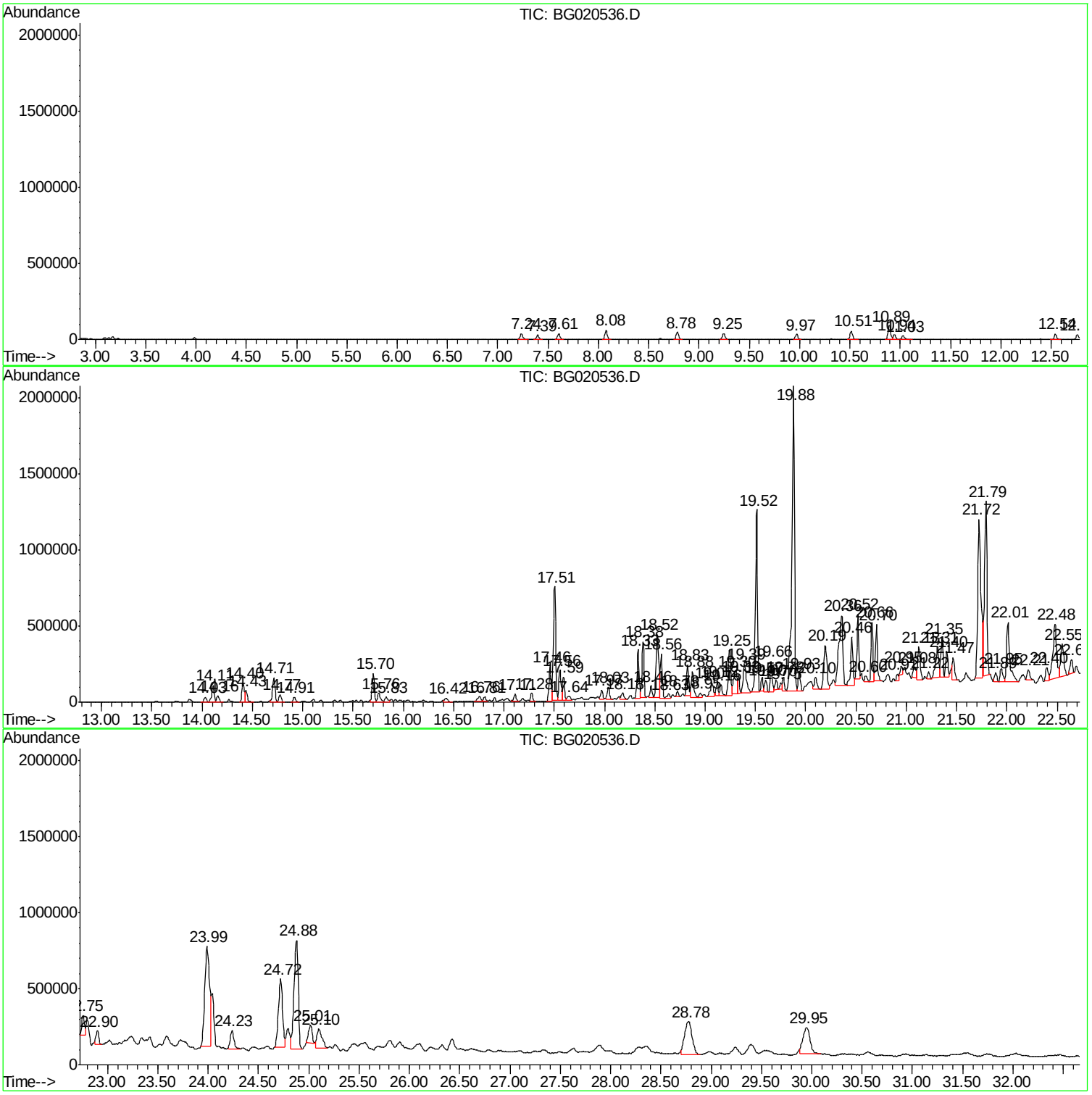
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

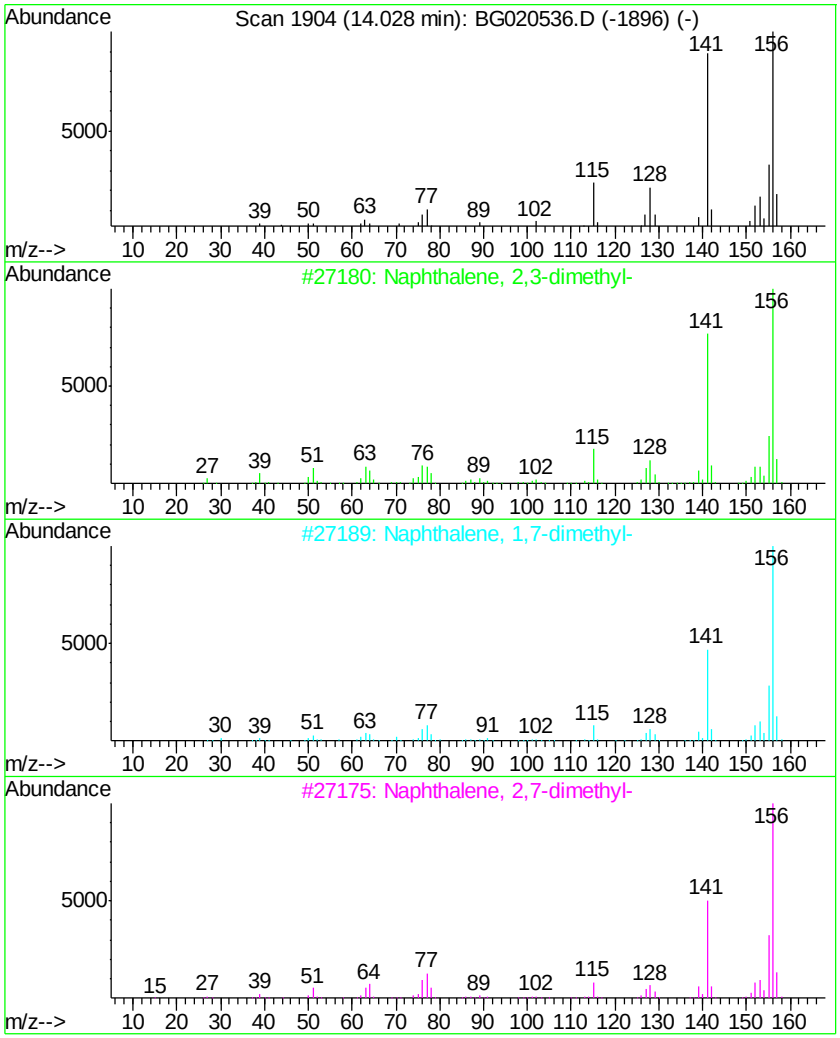
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

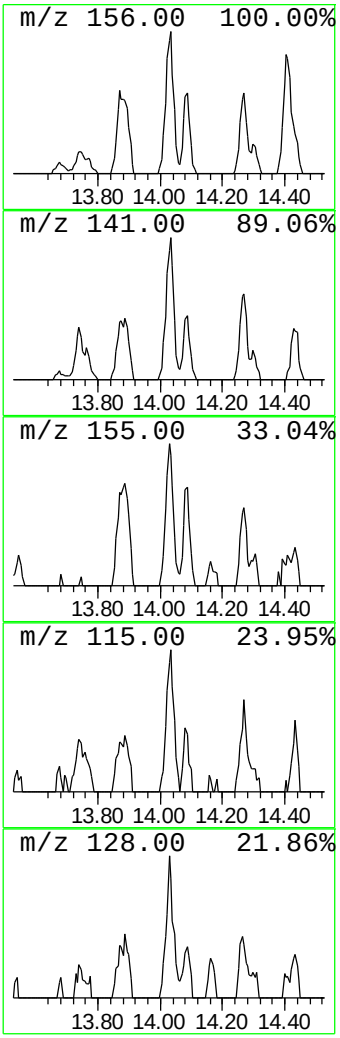
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	4.21 ng/ul	56097	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

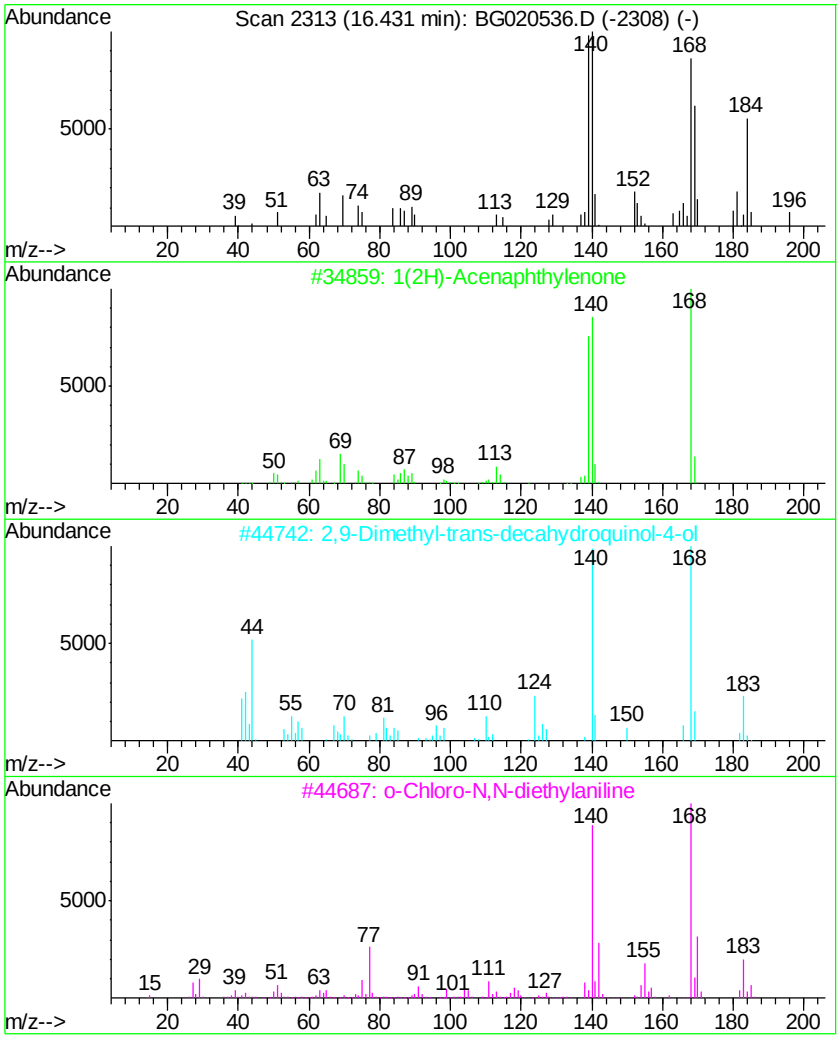
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

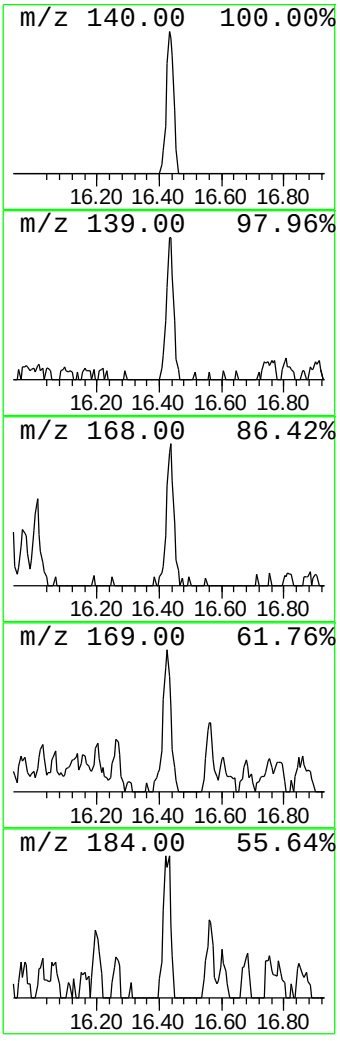
****

Peak Number 3 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.08 ng/ul	54140	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	43
2	2,9-Dimethyl-trans-decahydroquin...	183	C11H21NO	064292-47-3	38
3	o-Chloro-N,N-diethylaniline	183	C10H14ClN	019372-80-6	38
4	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	30
5	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

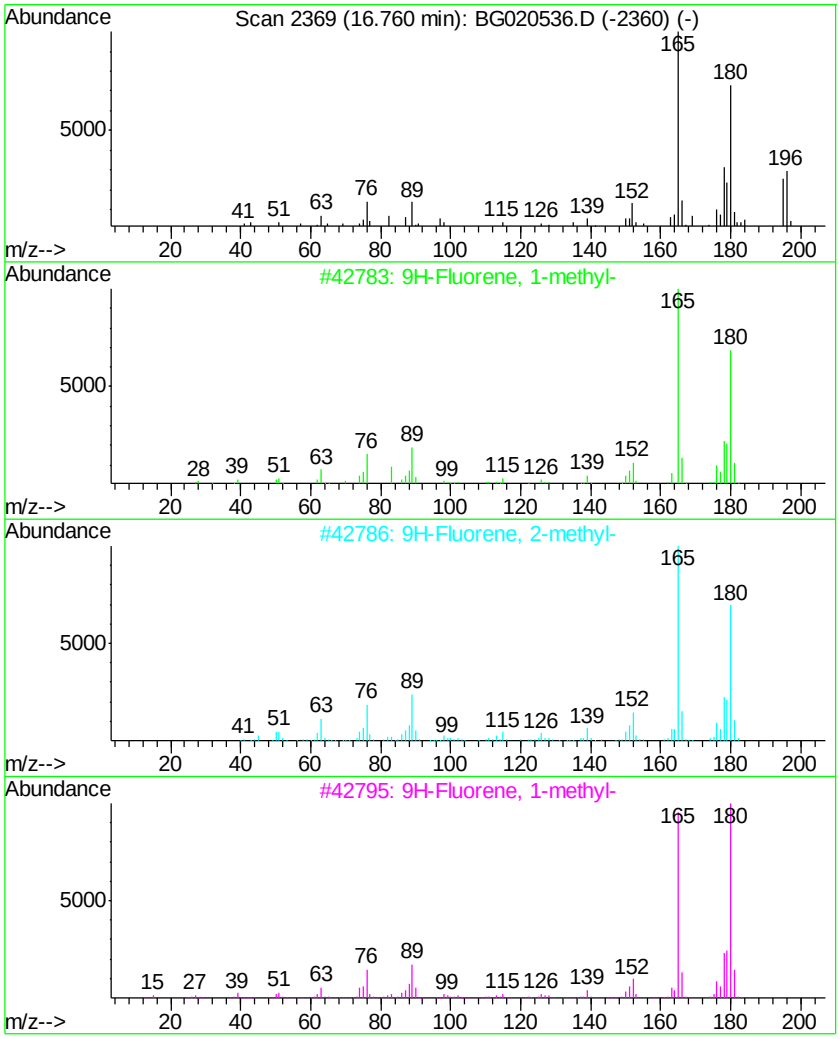
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

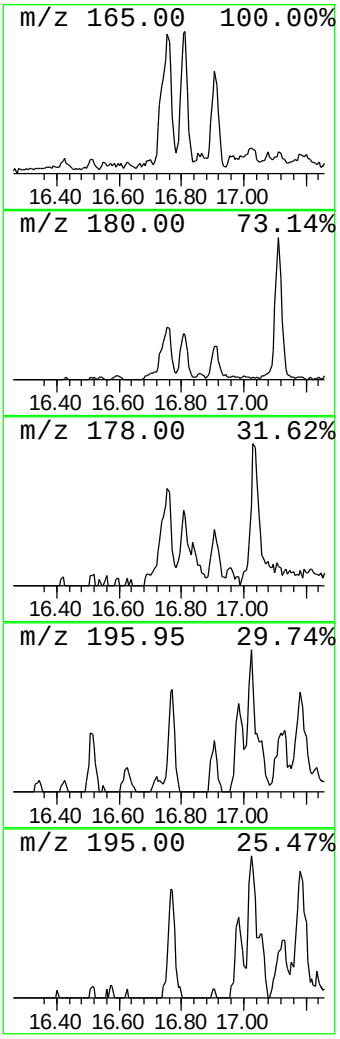
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.43 ng/ul	77863	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

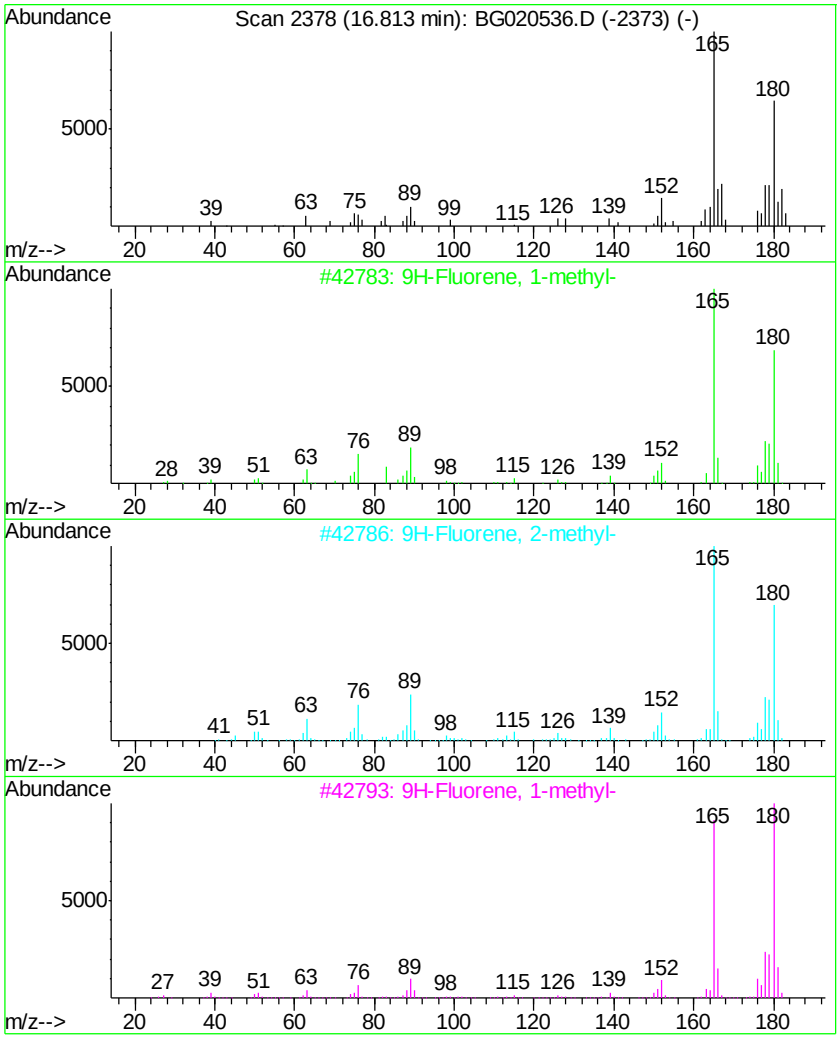
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

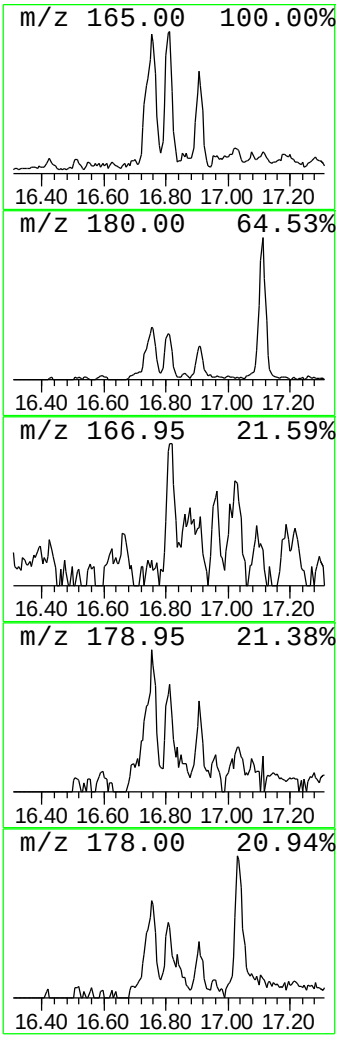
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.70 ng/ul	47475	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70





Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

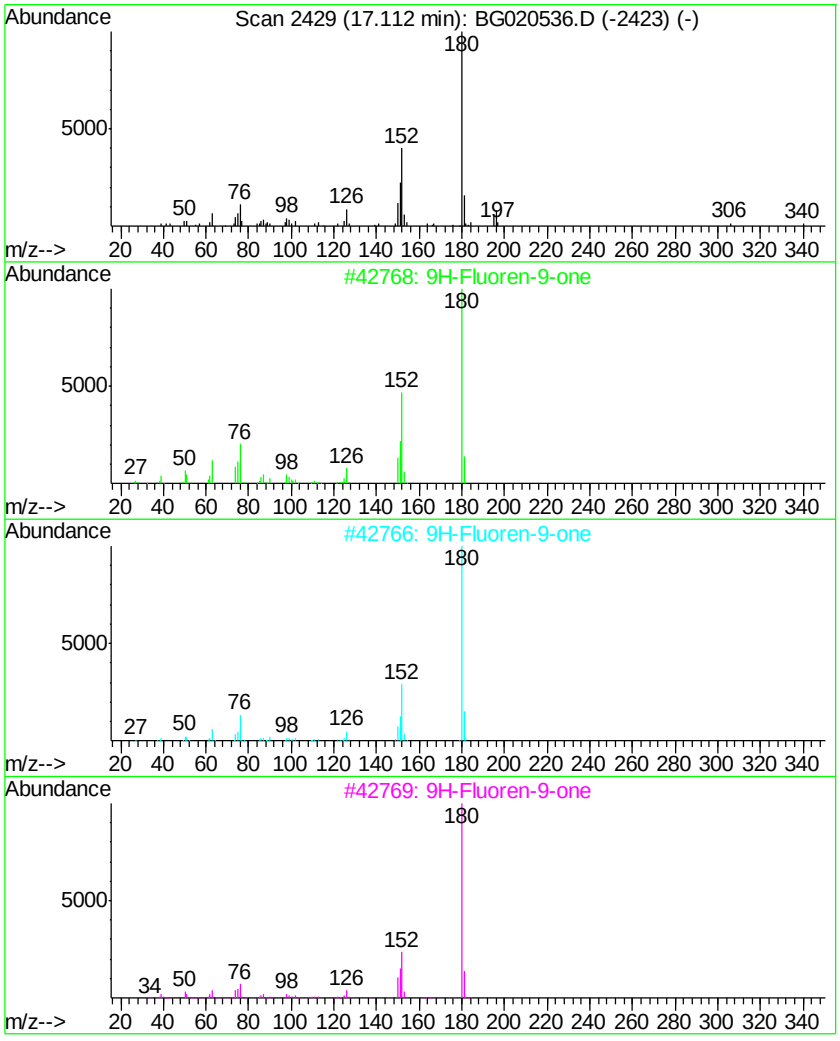
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

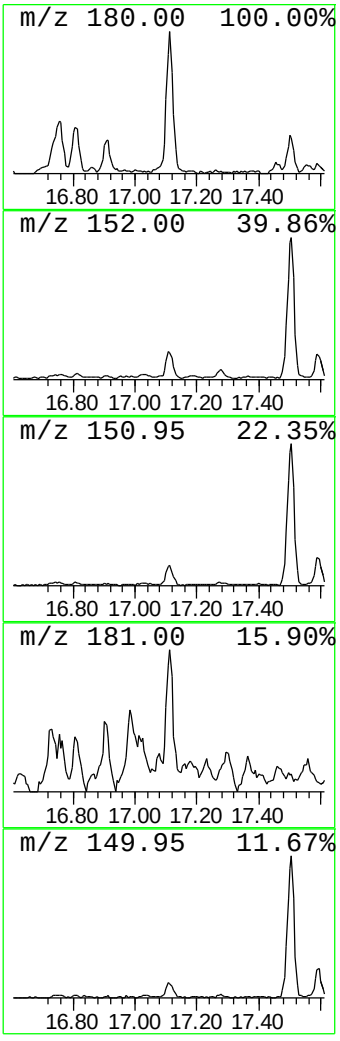
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	4.17 ng/ul	73345	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80





Library Search Compound Report

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Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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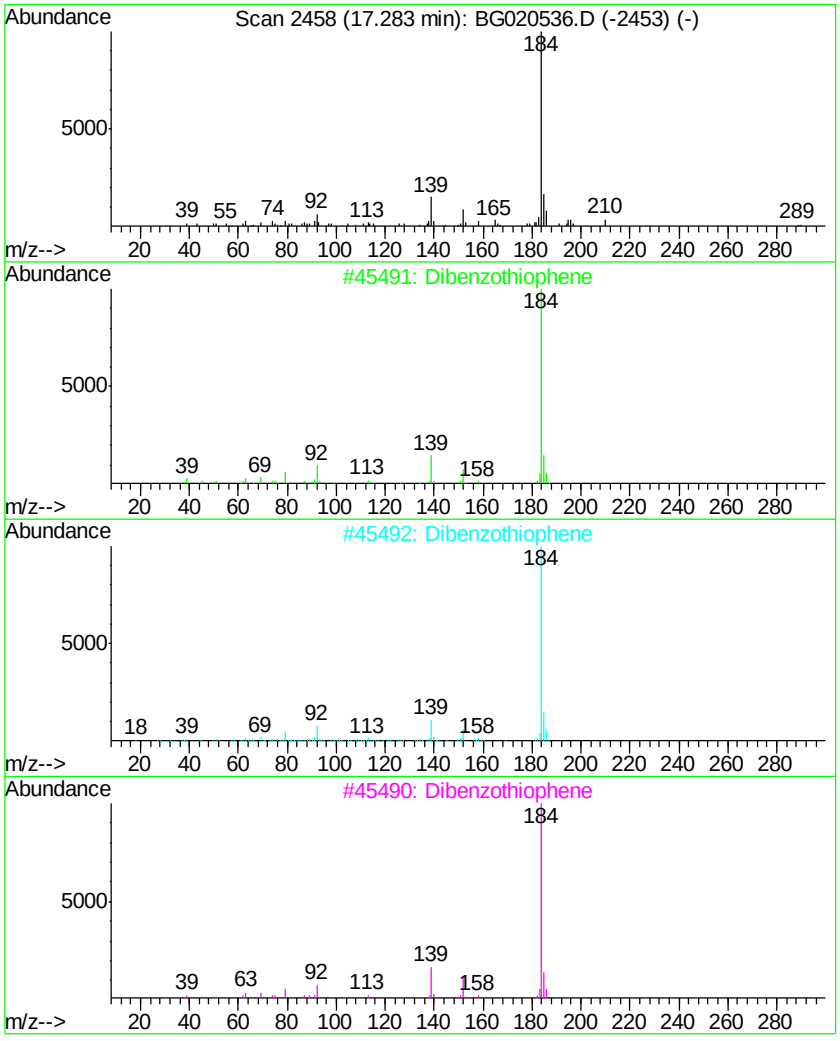
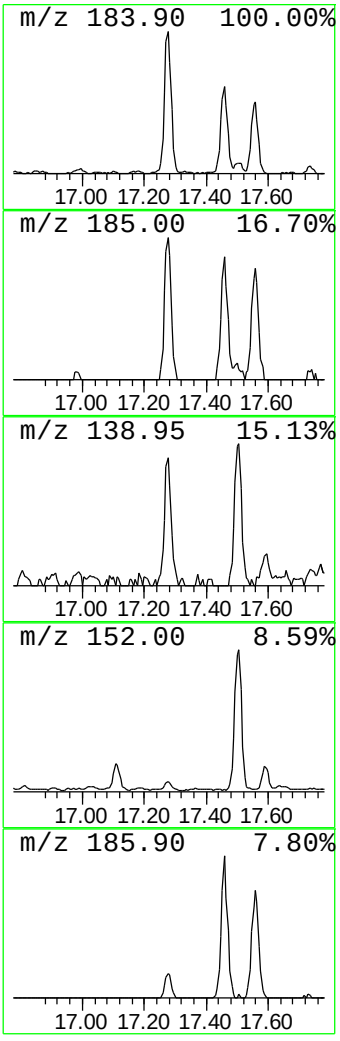
Peak Number 7 Dibenzothiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	4.51 ng/ul	79435	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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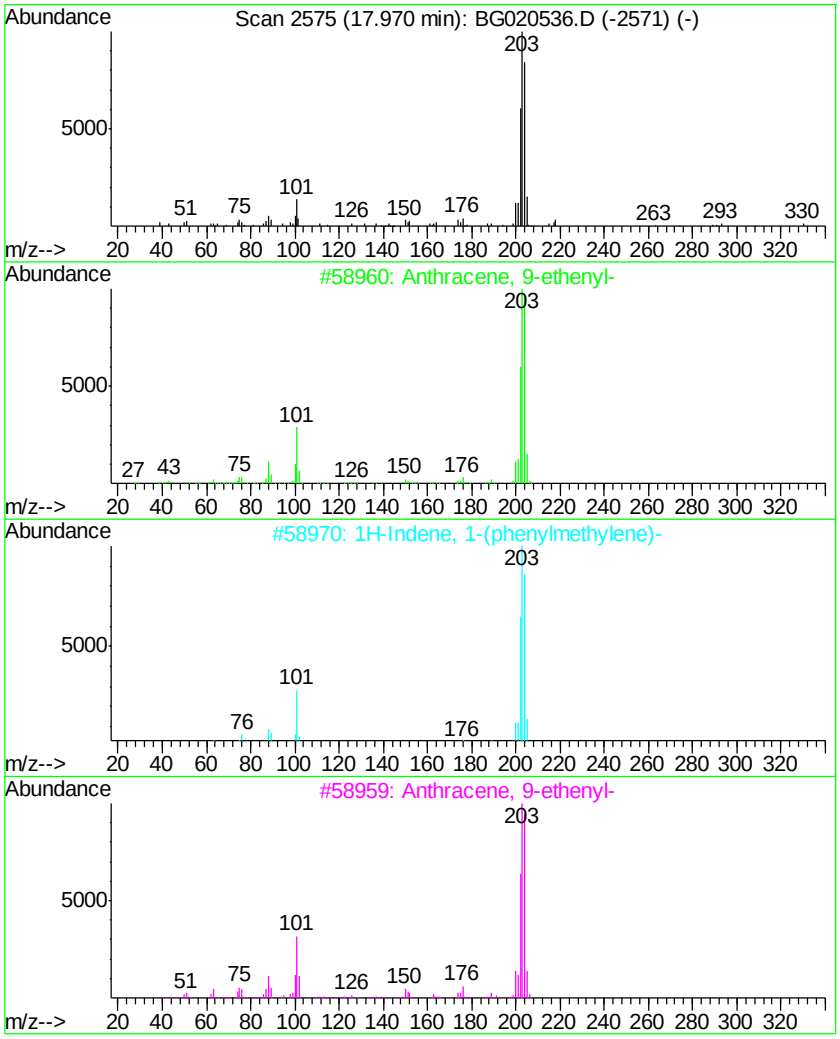
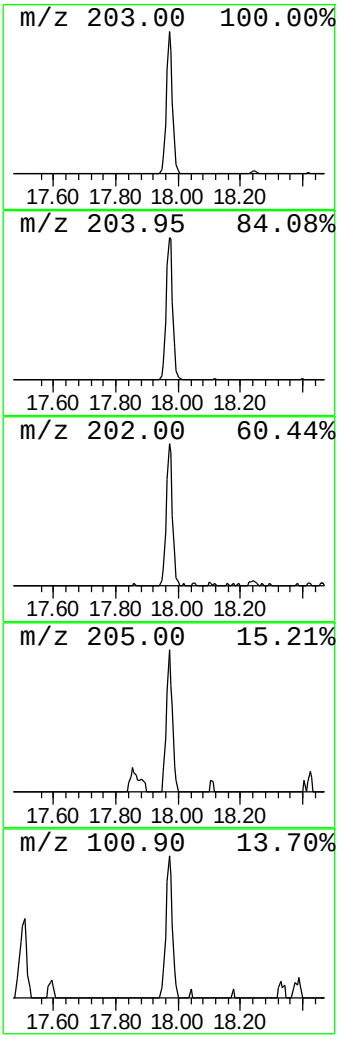
Peak Number 8 Anthracene, 9-ethenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.79 ng/ul	84360	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	70
5	2-Fluoro-4-bromobenzaldehyde	202	C7H4BrFO	057848-46-1	64





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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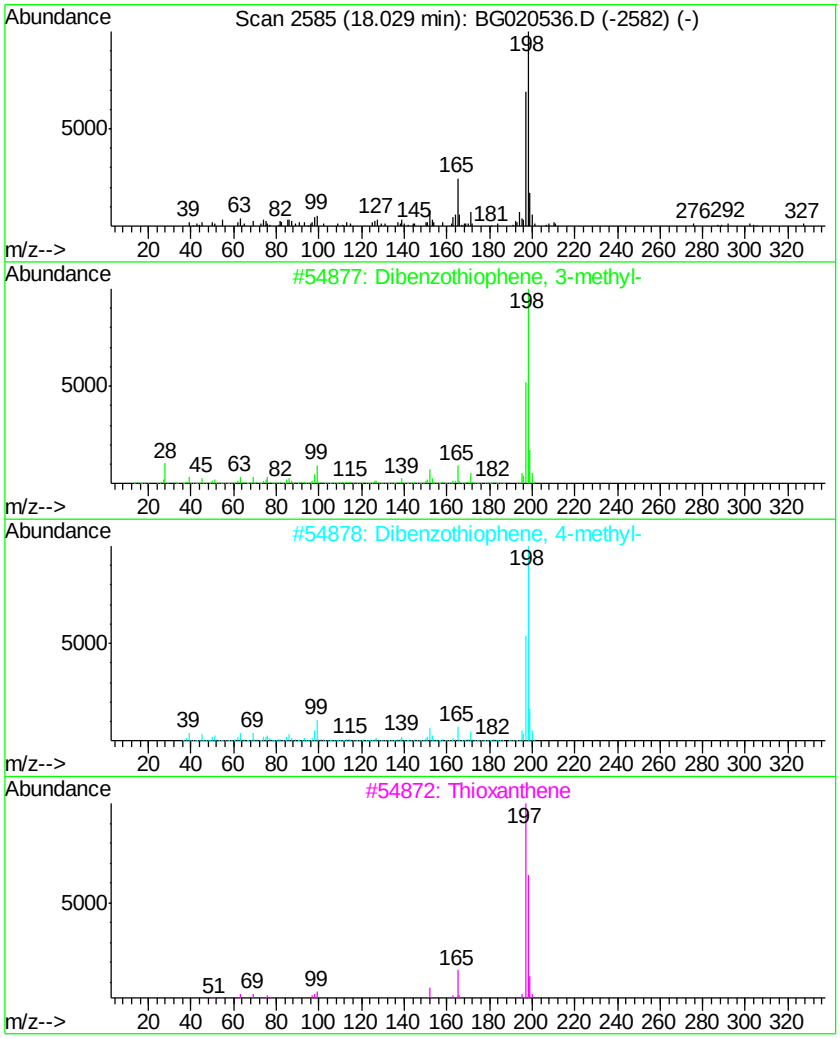
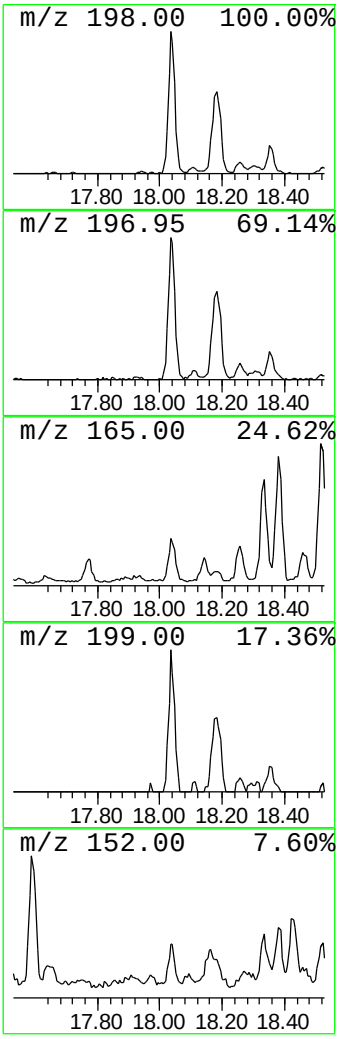
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	7.18 ng/ul	126277	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59





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Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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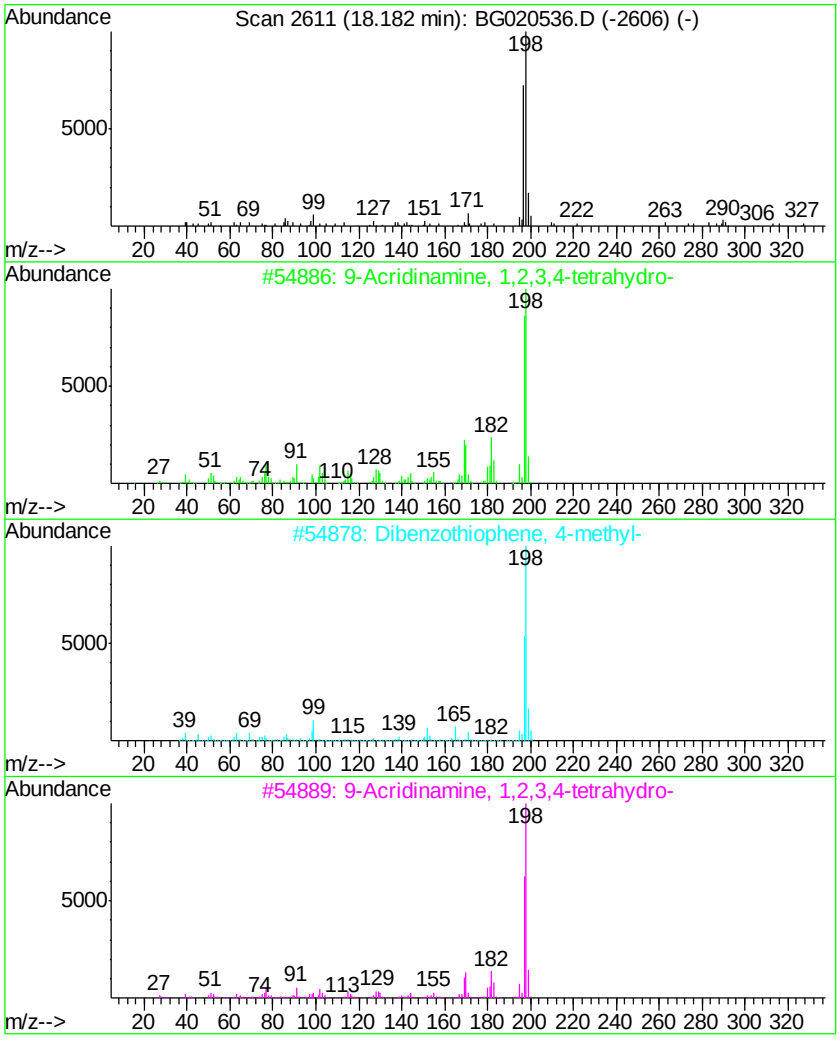
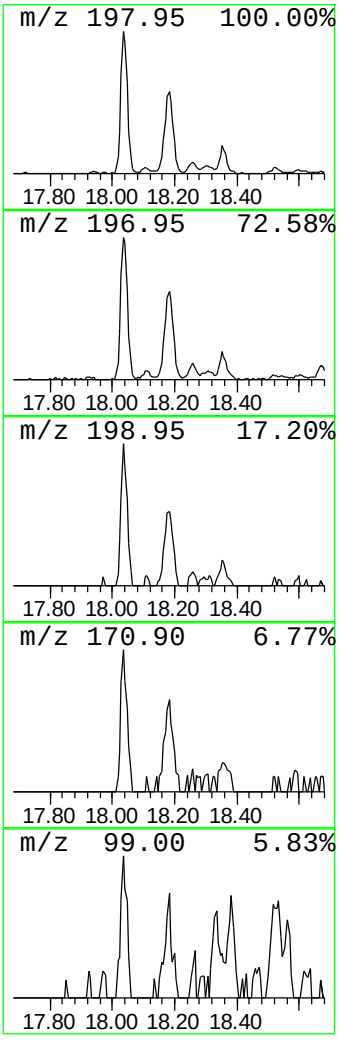
Peak Number 10 9-Acridinamine, 1,2,3,4-tet... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.87 ng/ul	85771	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	78
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78





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Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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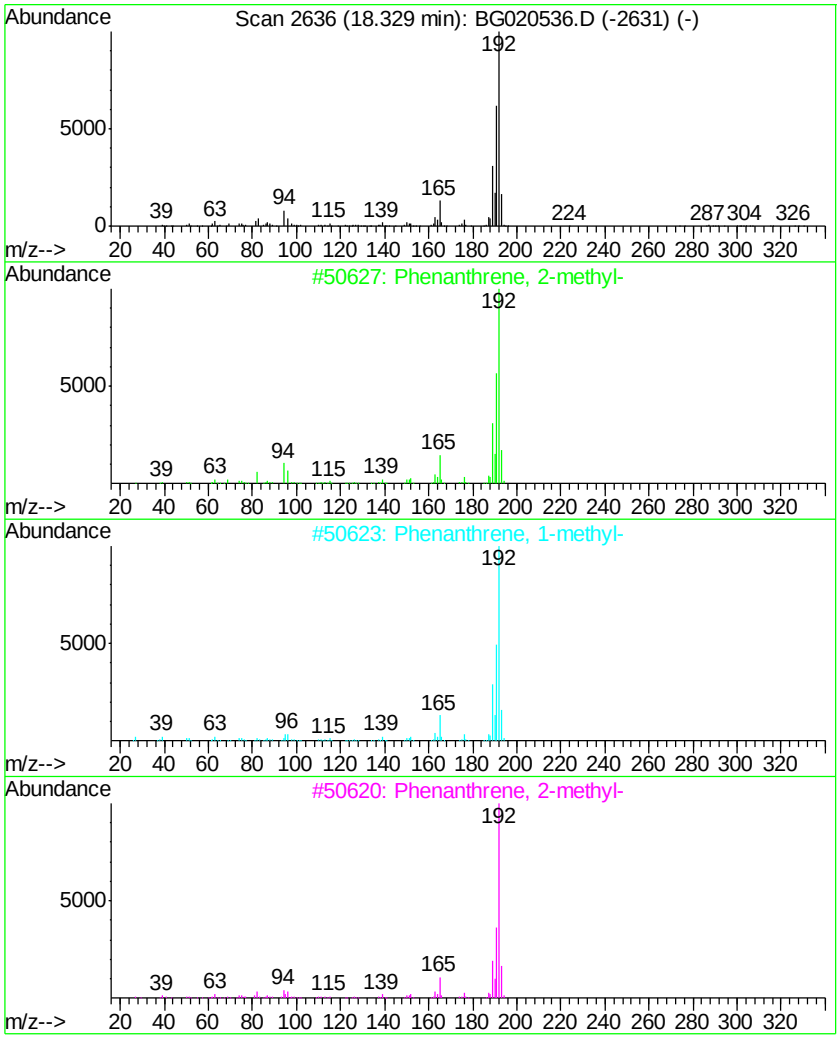
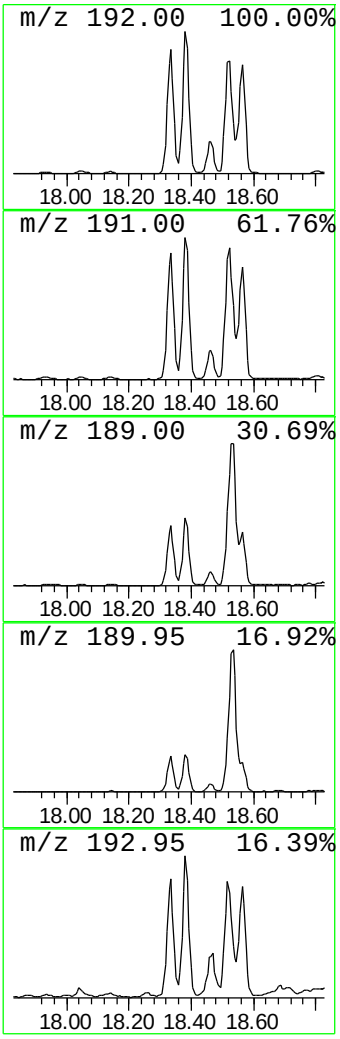
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	27.53 ng/ul	484374	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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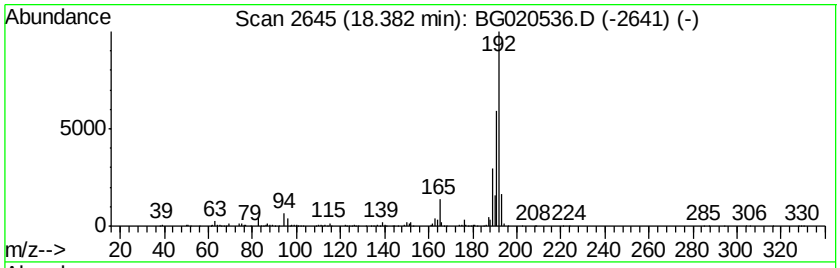
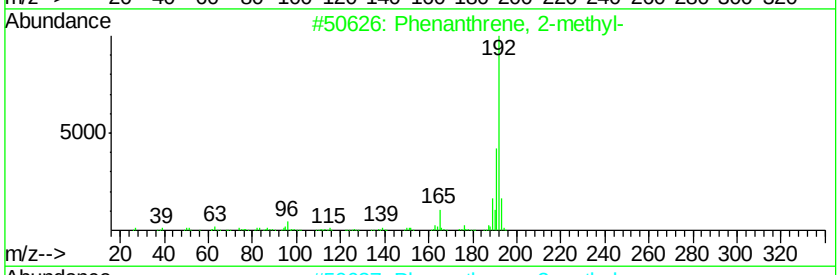
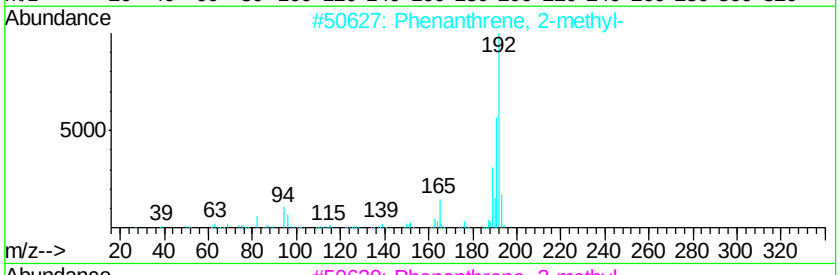
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

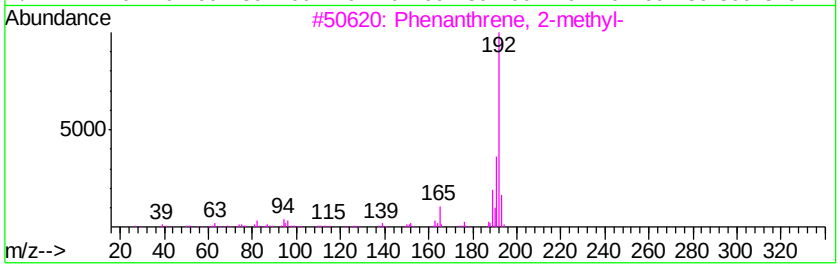
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	29.55 ng/ul	519877	Phenanthrene-d10	17.46

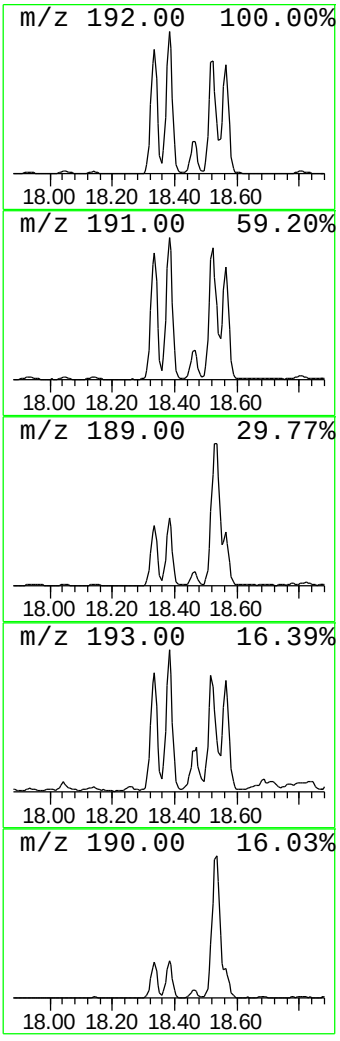
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94











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Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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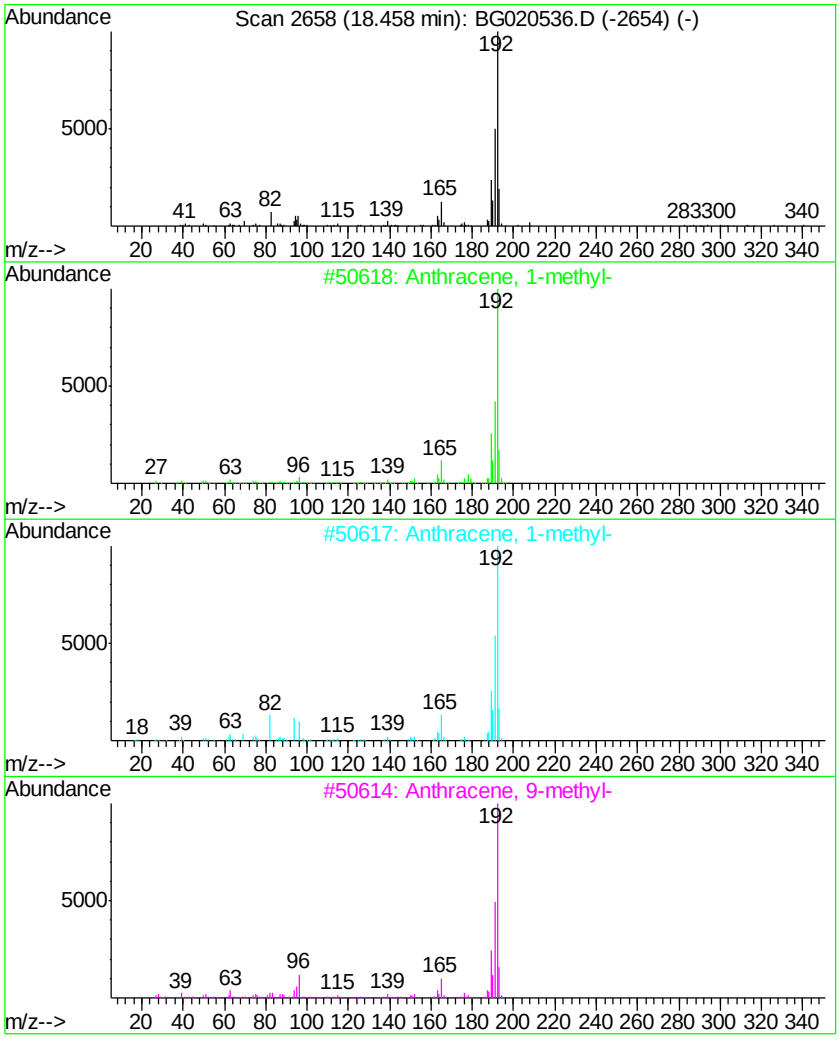
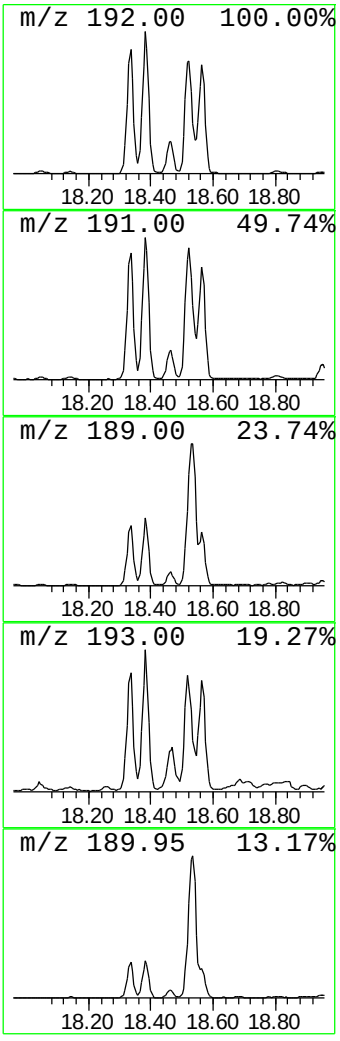
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	6.51 ng/ul	114472	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : G4802-15
Misc :
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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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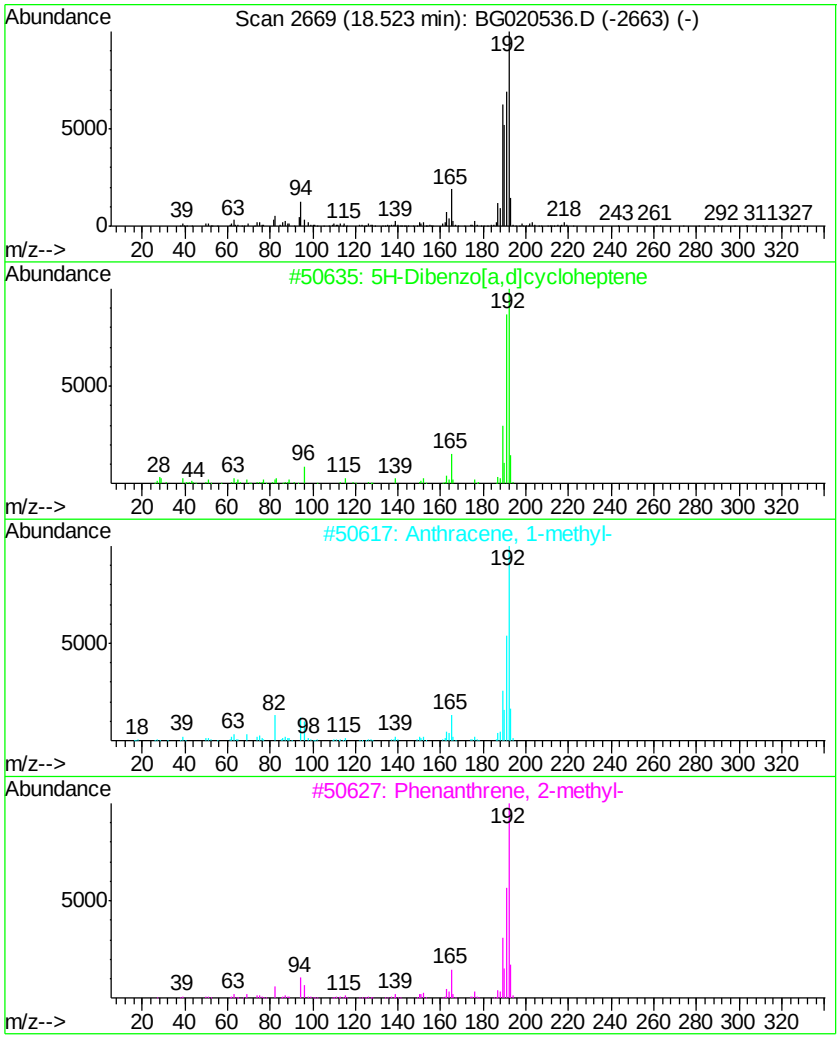
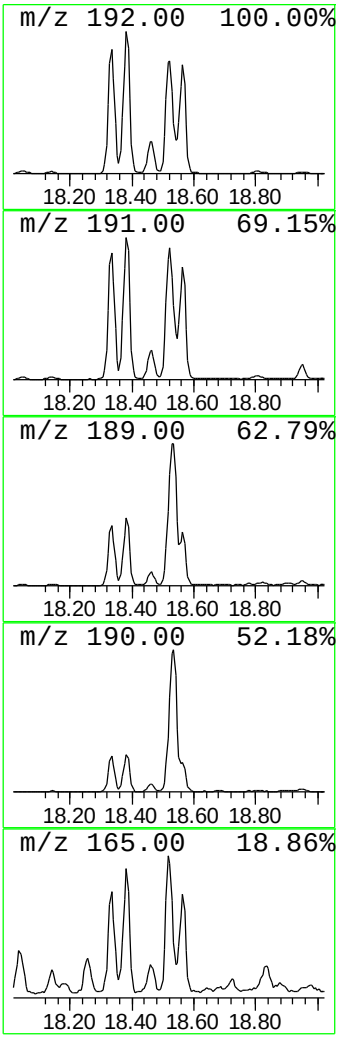
Peak Number 14 5H-Dibenzo[a,d]cycloheptene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	47.99 ng/ul	844293	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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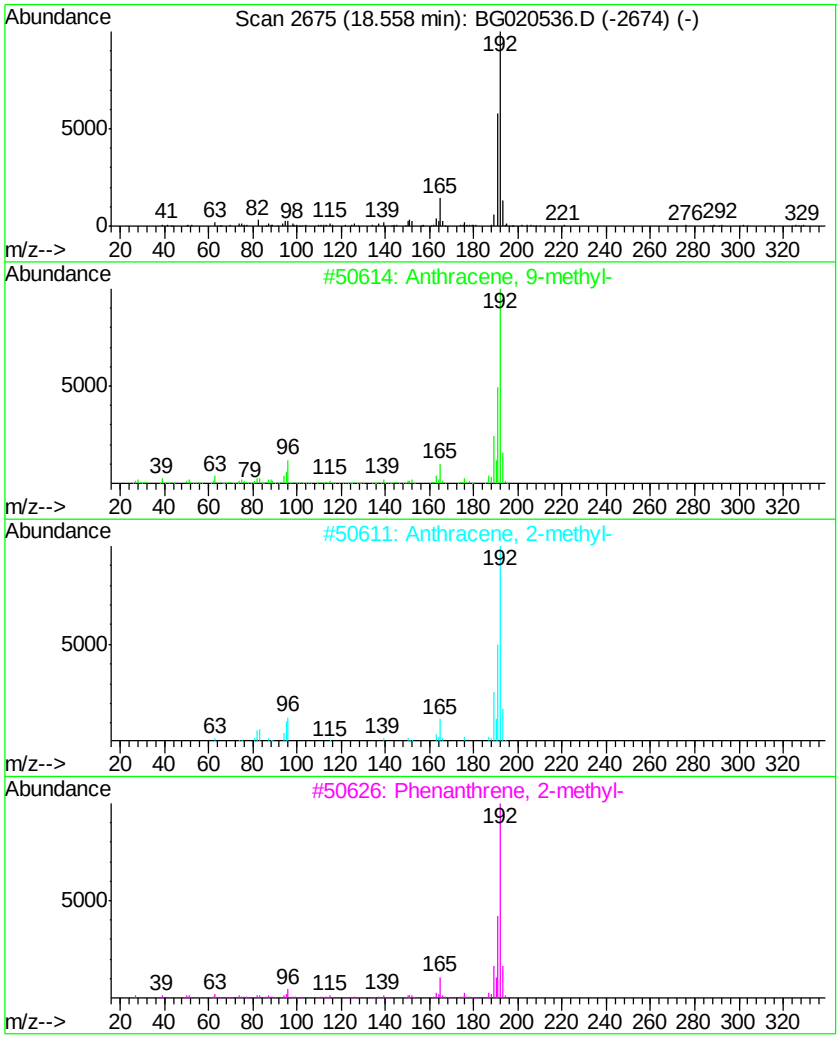
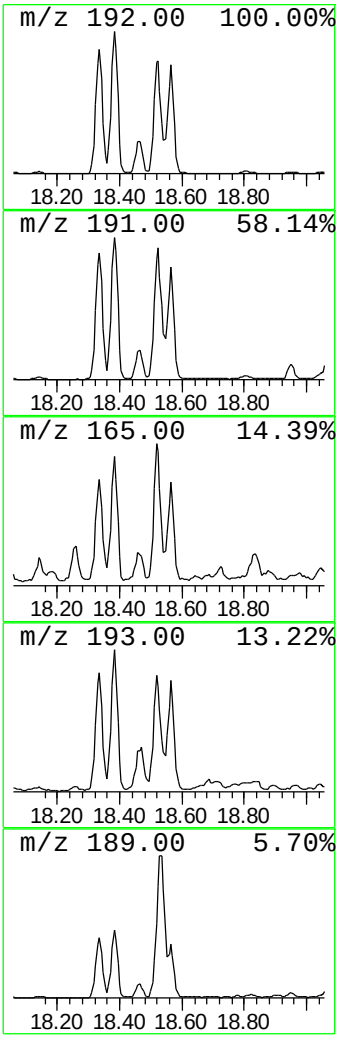
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	18.64 ng/ul	327896	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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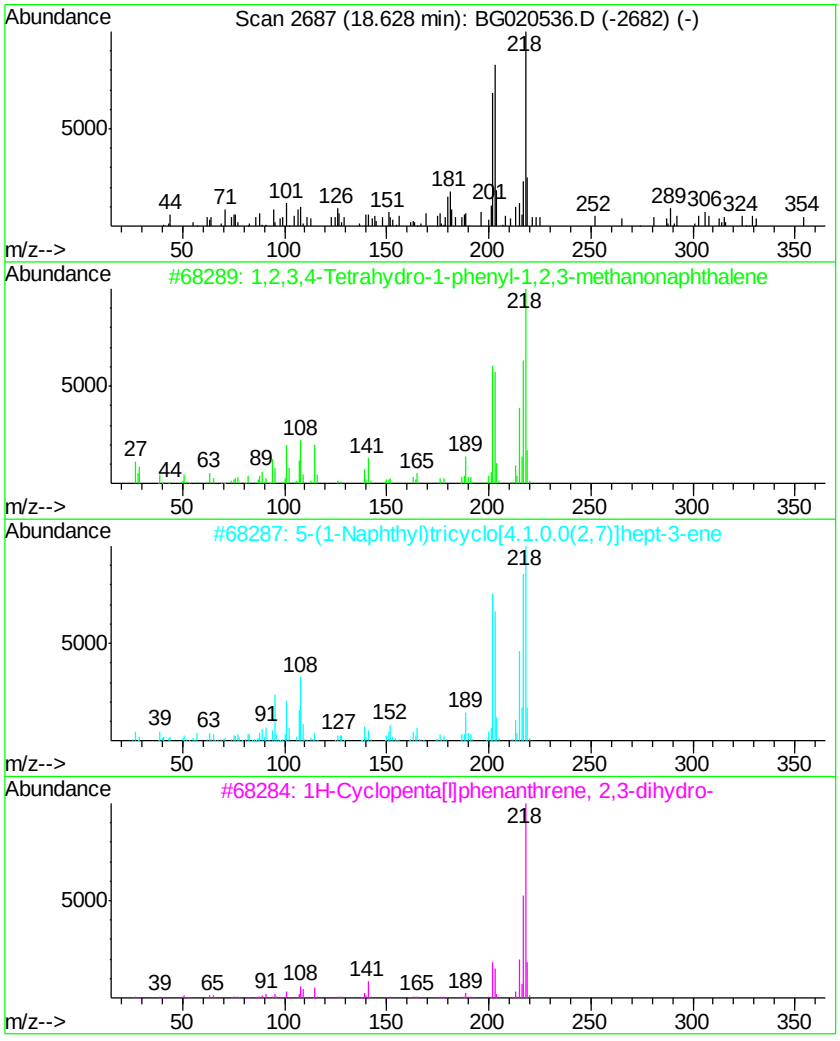
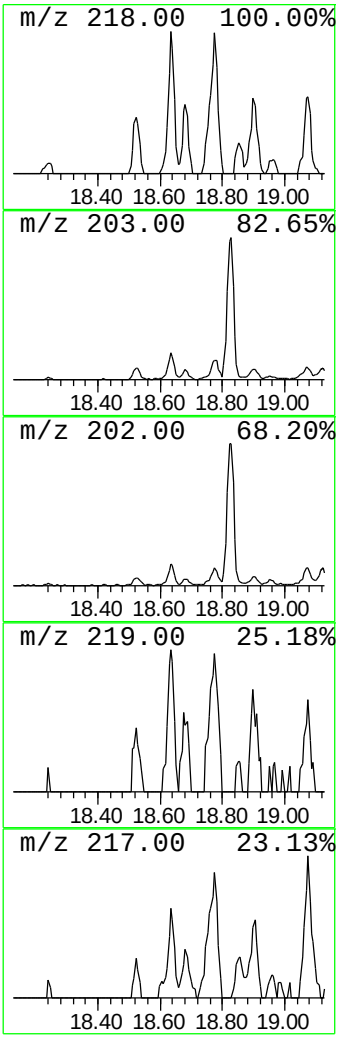
Peak Number 16 1,2,3,4-Tetrahydro-1-phenyl... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.60 ng/ul	45692	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	81
2	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	74
3	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	72
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	72
5	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	64





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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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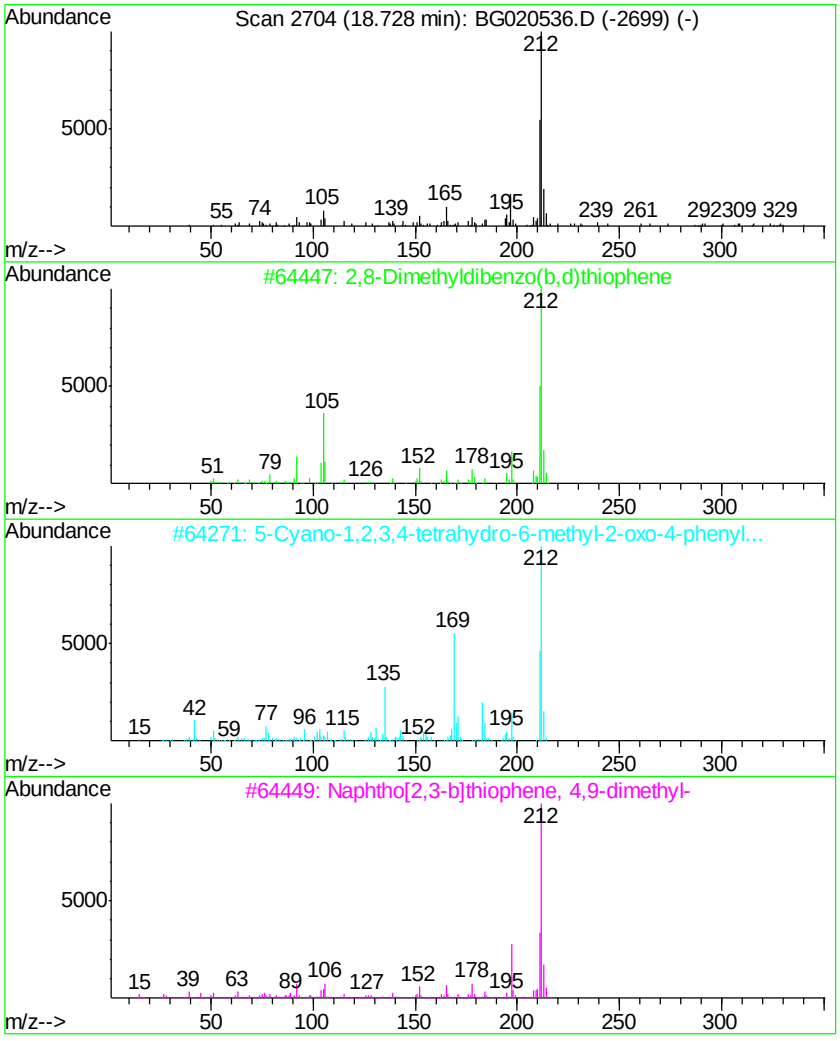
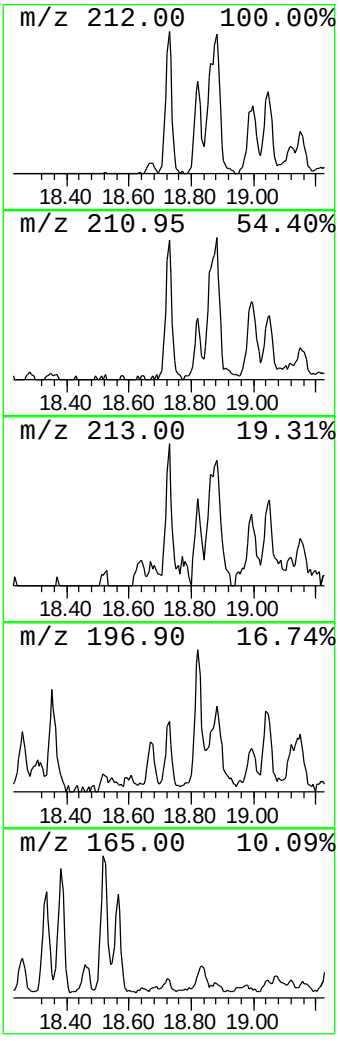
Peak Number 17 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.76 ng/ul	48617	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	86
2	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	83
3	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	76
4	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	59
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	52





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Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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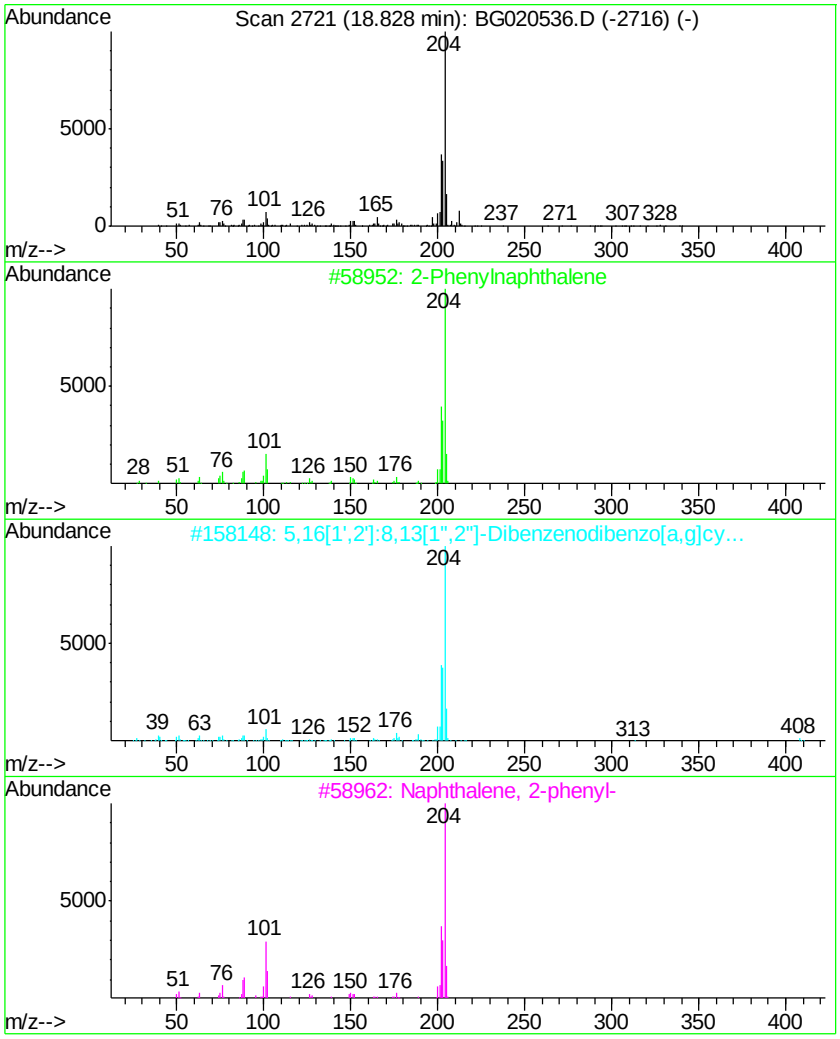
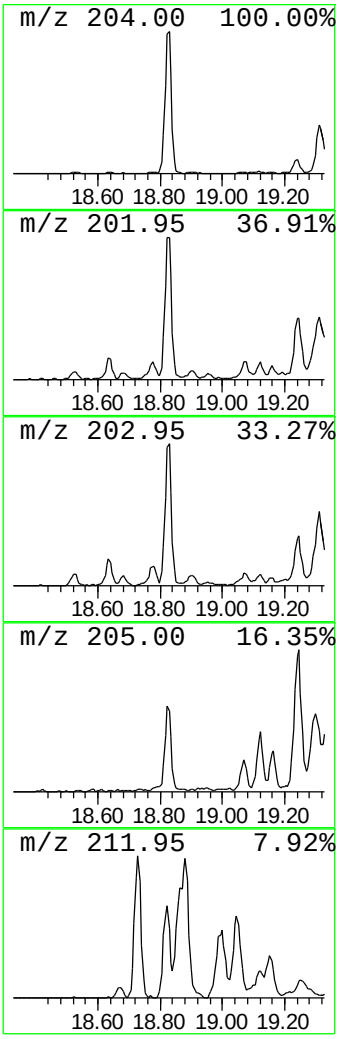
Peak Number 18 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	17.92 ng/ul	315212	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

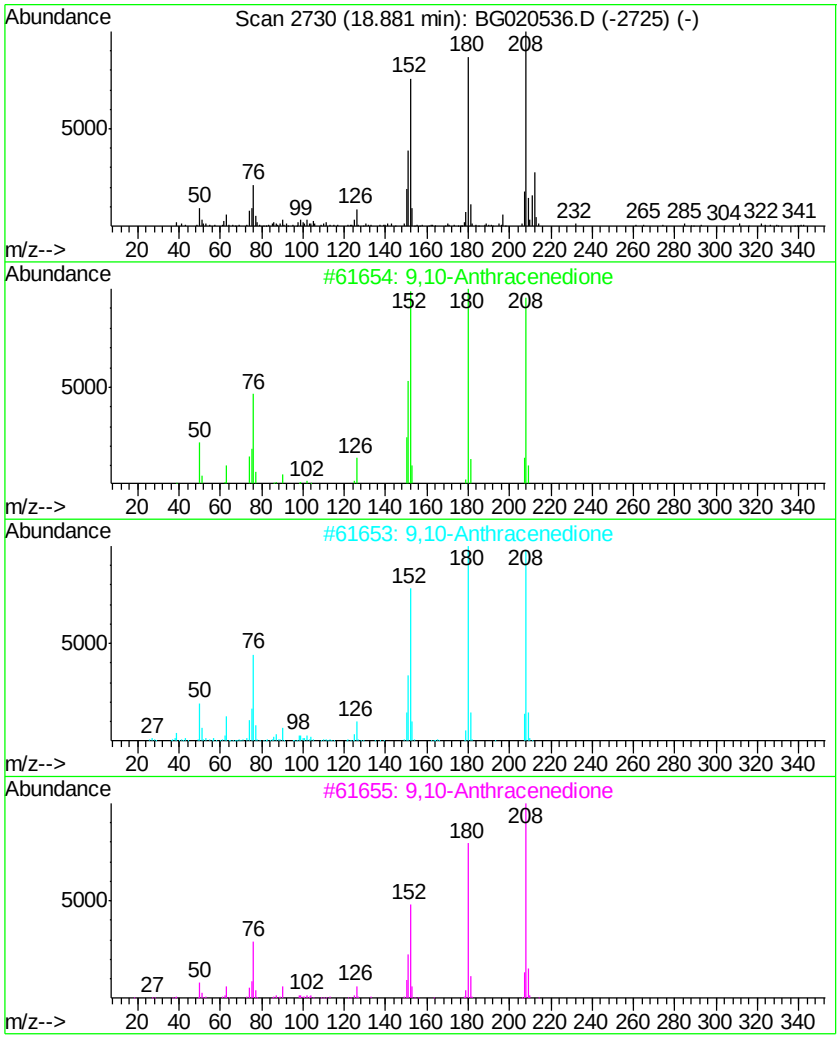
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

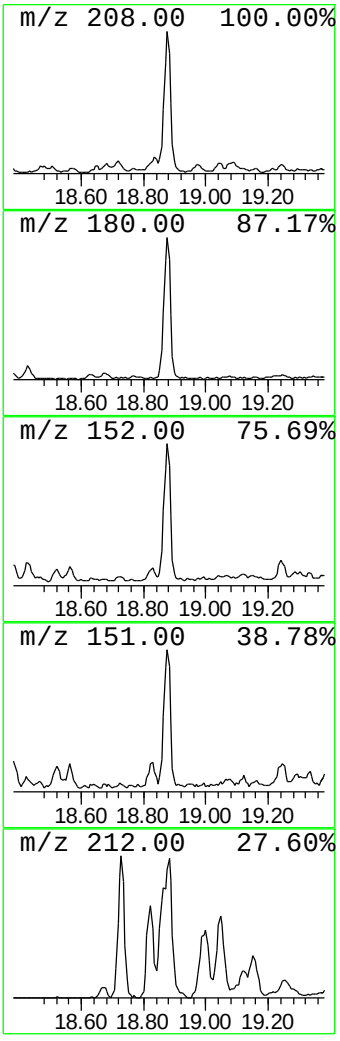
****

Peak Number 19 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	16.89 ng/ul	297143	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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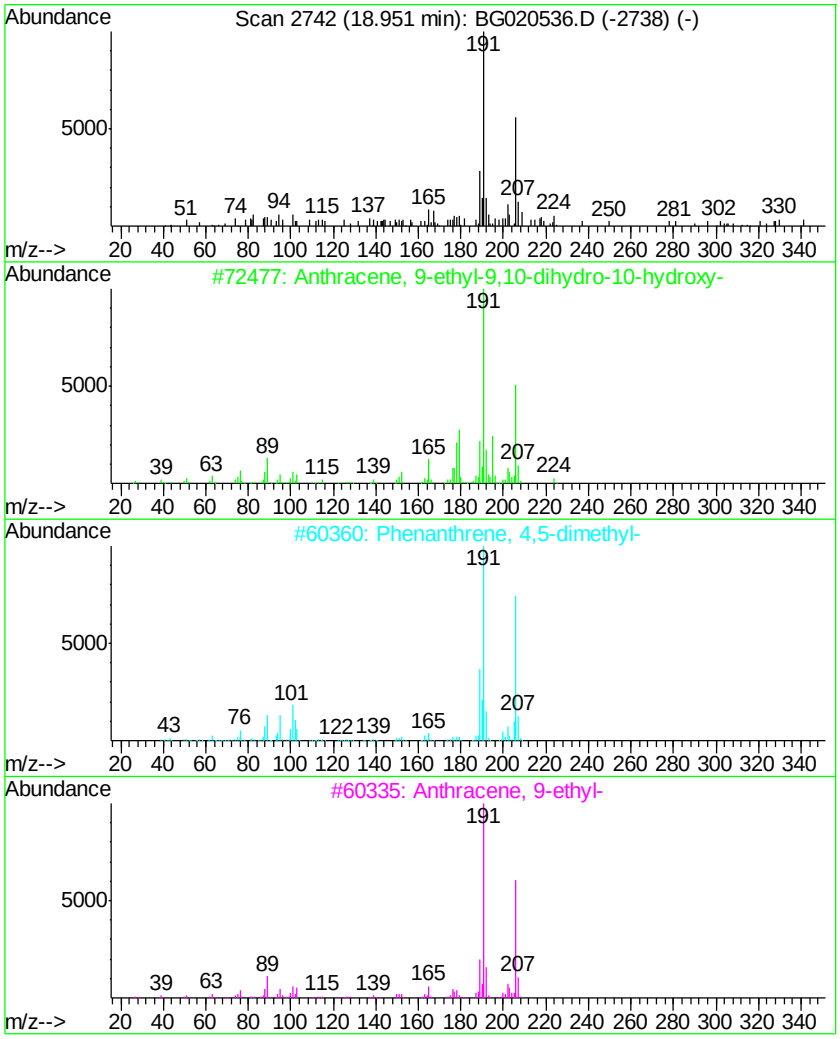
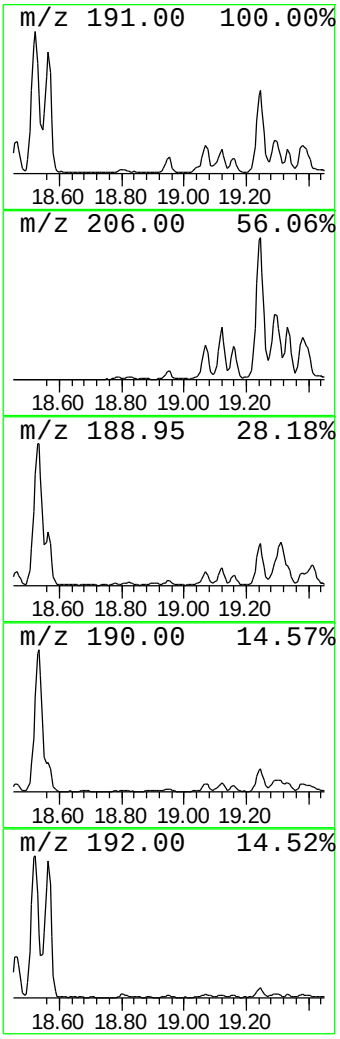
Peak Number 20 Anthracene, 9-ethyl-9,10-di... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.83 ng/ul	49824	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethyl-9,10-dihydro...	224	C16H16O	1000154-70-0	87
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	81
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	74
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	72





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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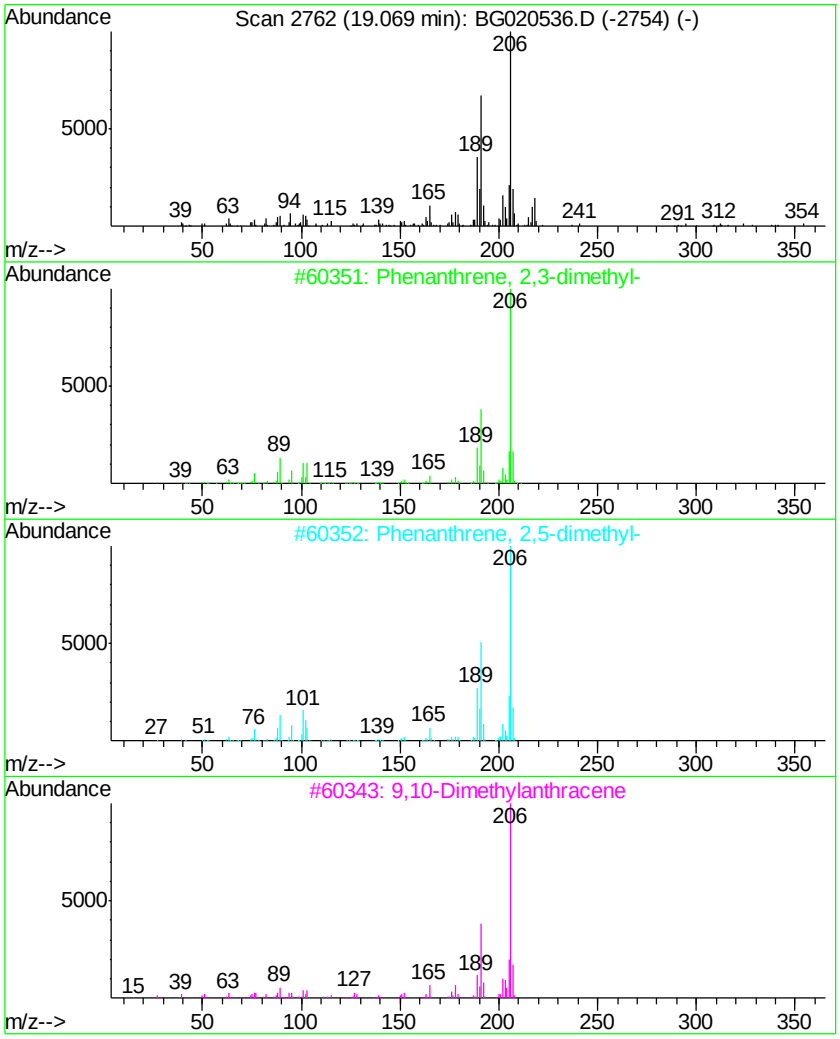
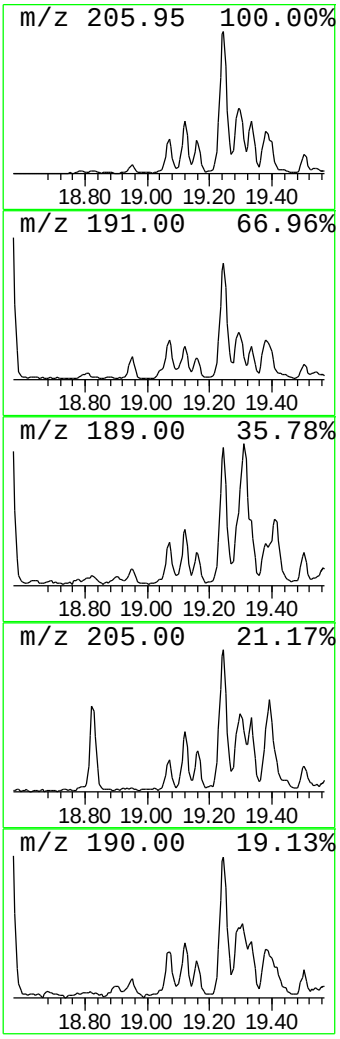
Peak Number 21 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	10.80 ng/ul	190066	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	81





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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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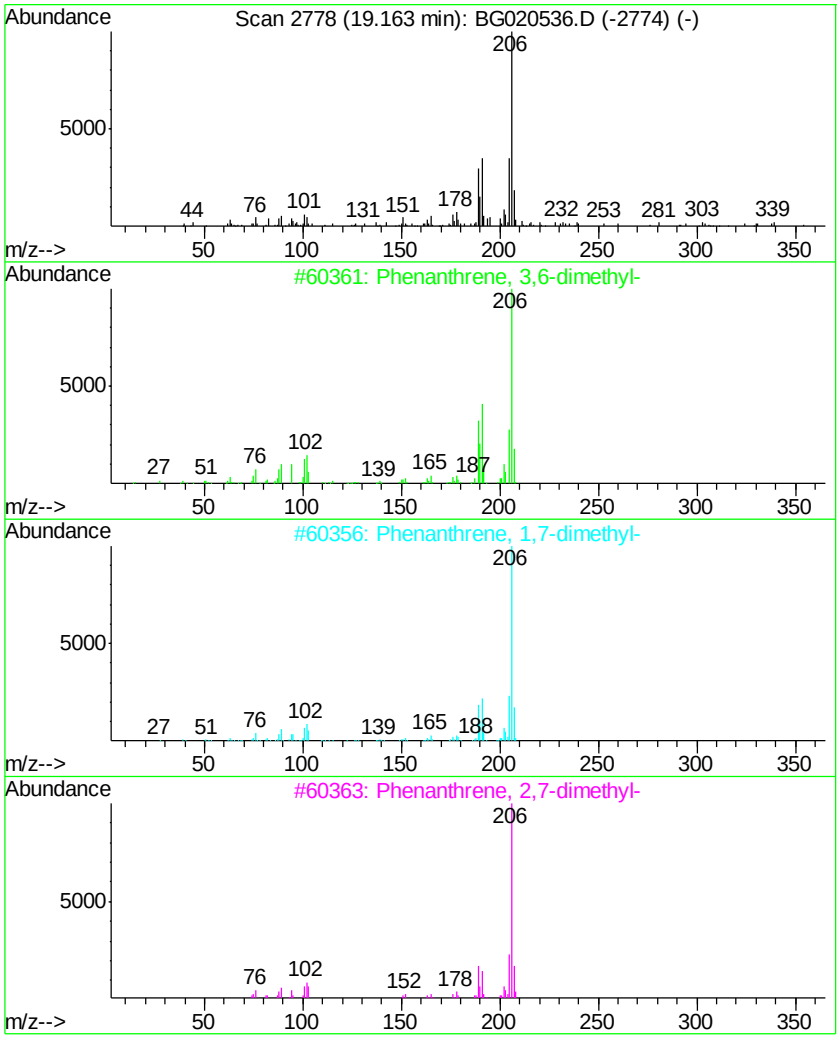
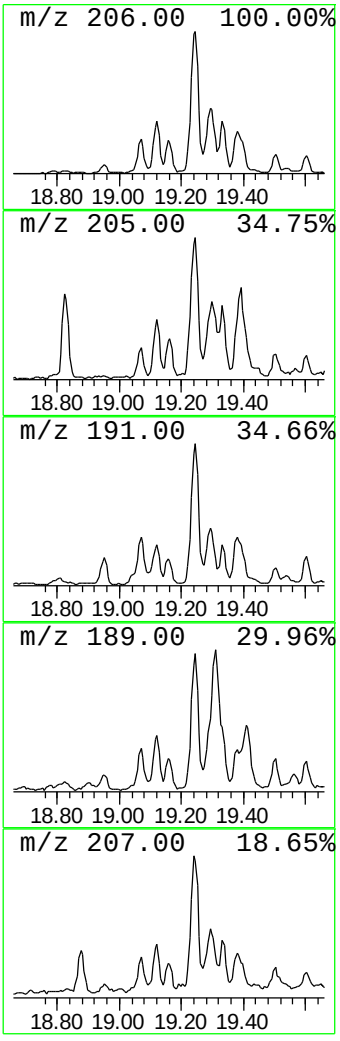
Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	5.54 ng/ul	97413	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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Sample : G4802-15
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ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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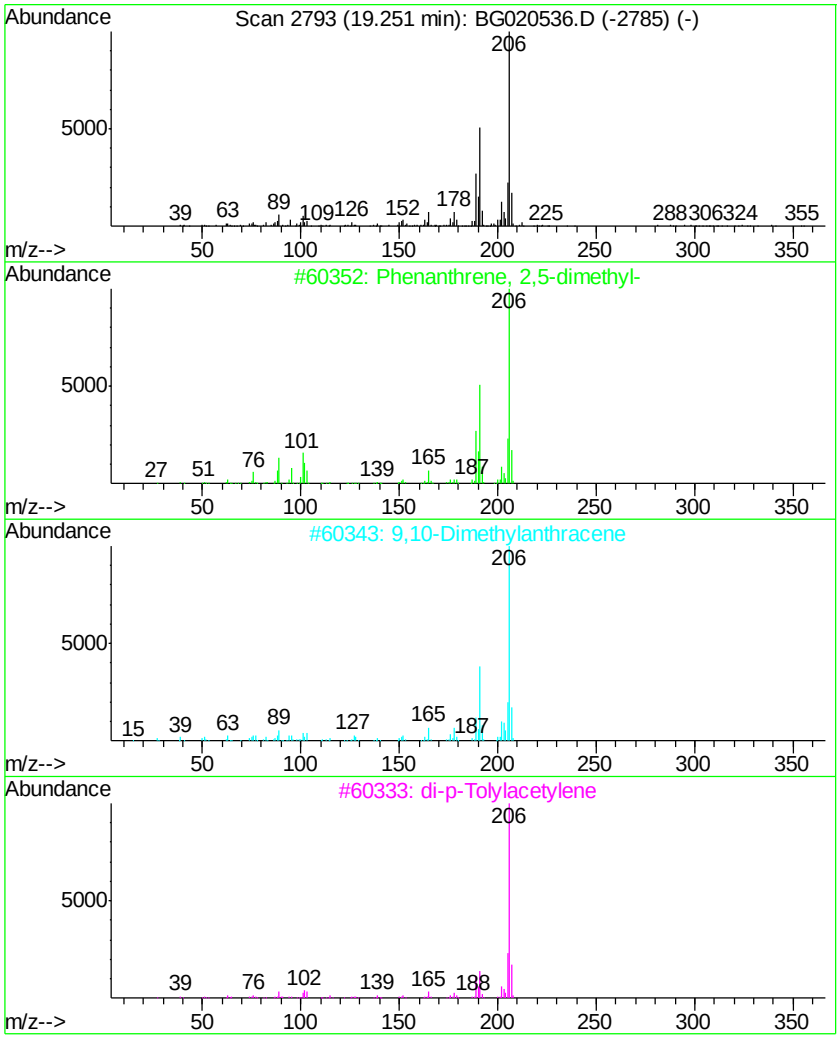
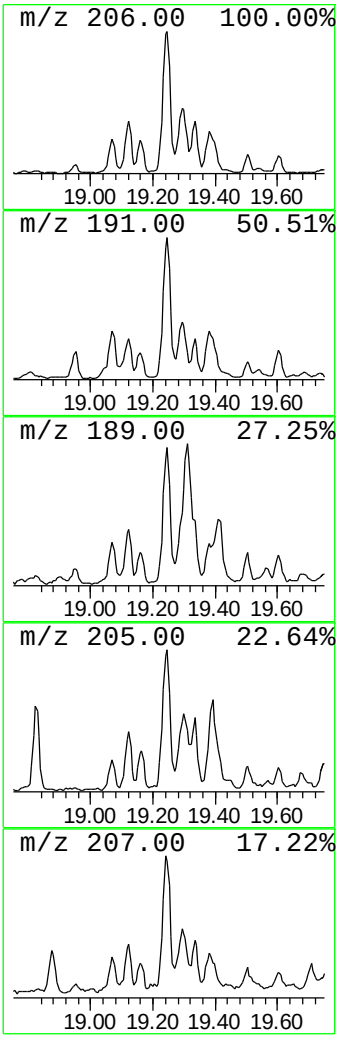
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	29.89 ng/ul	525841	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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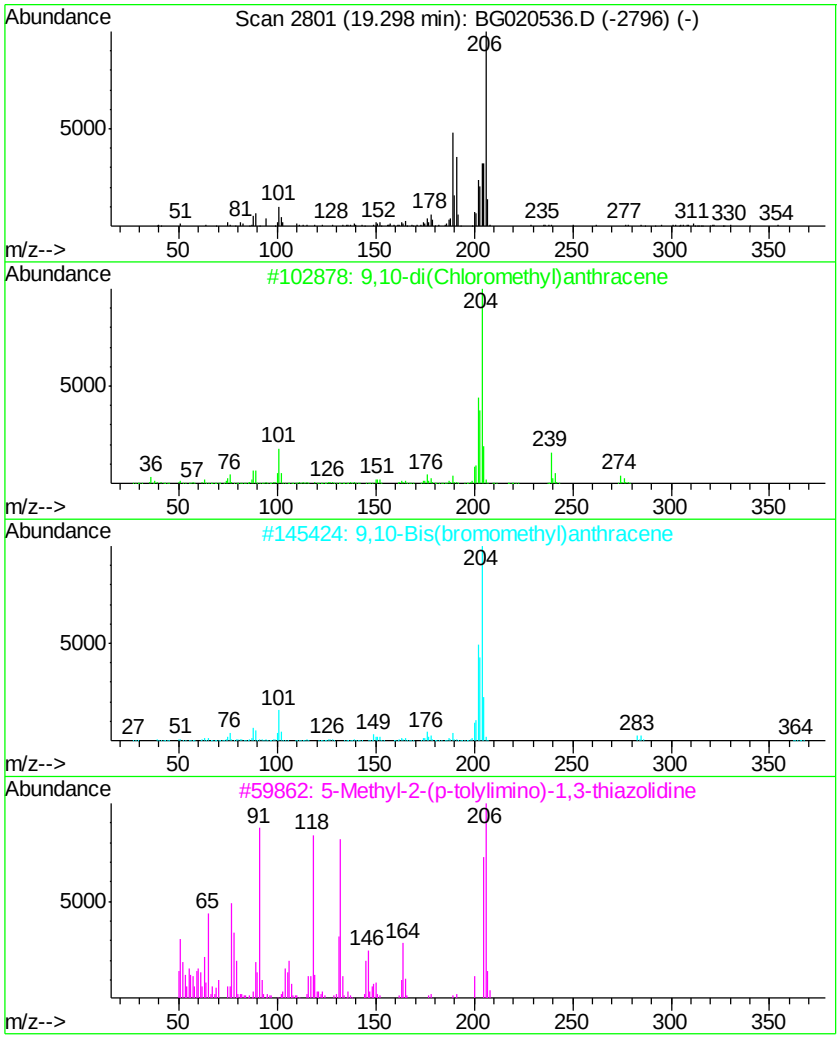
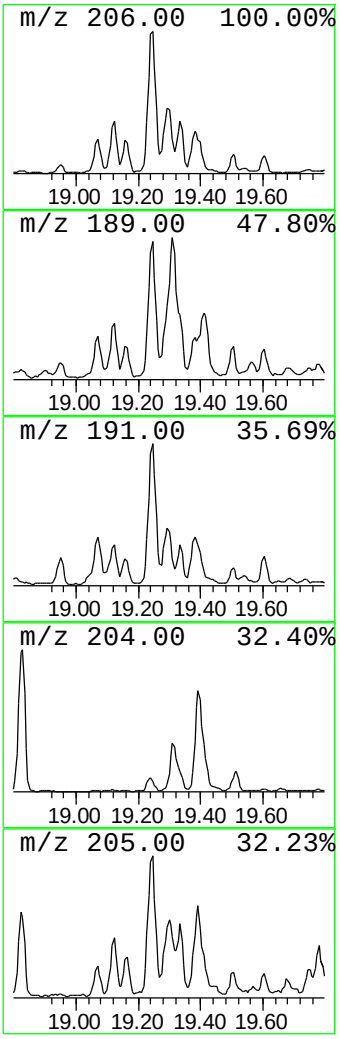
Peak Number 25 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	20.19 ng/ul	355171	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	30
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30





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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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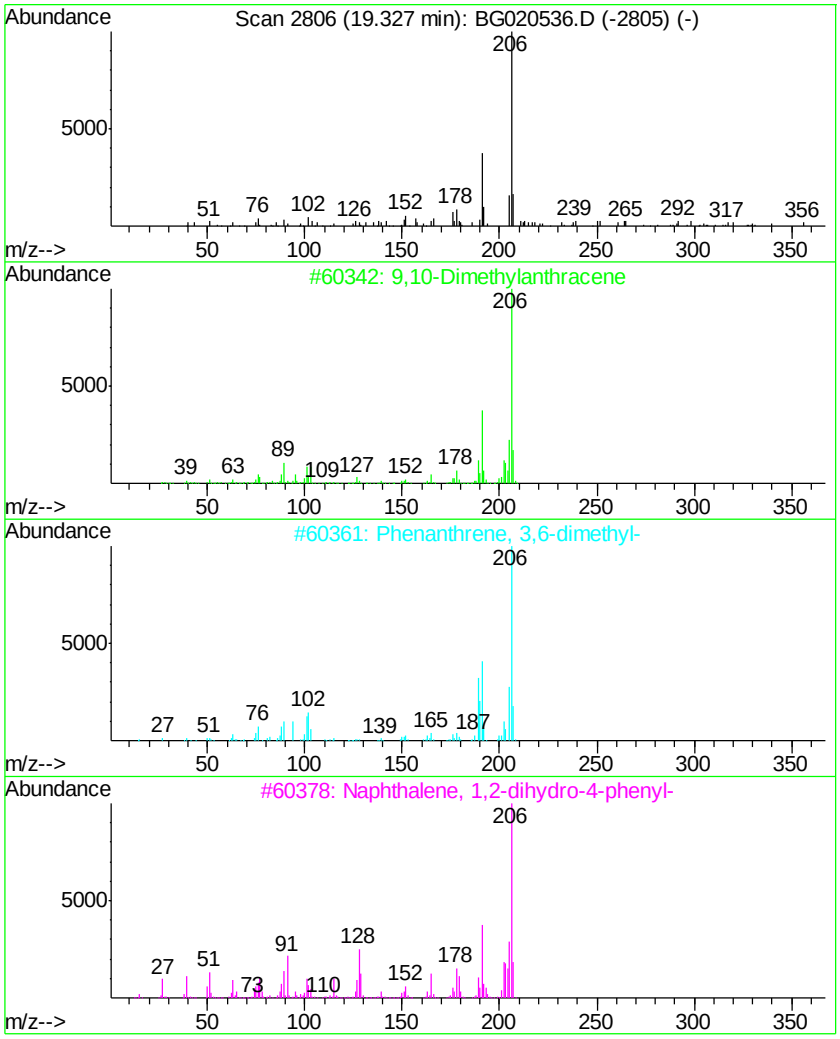
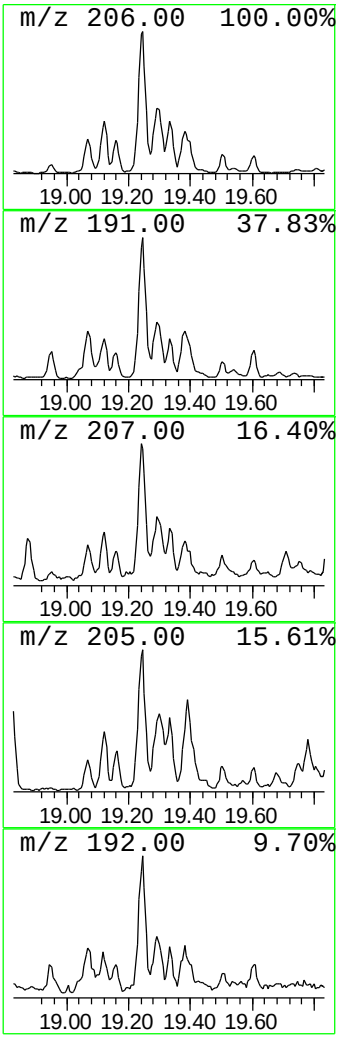
Peak Number 26 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	7.20 ng/ul	126709	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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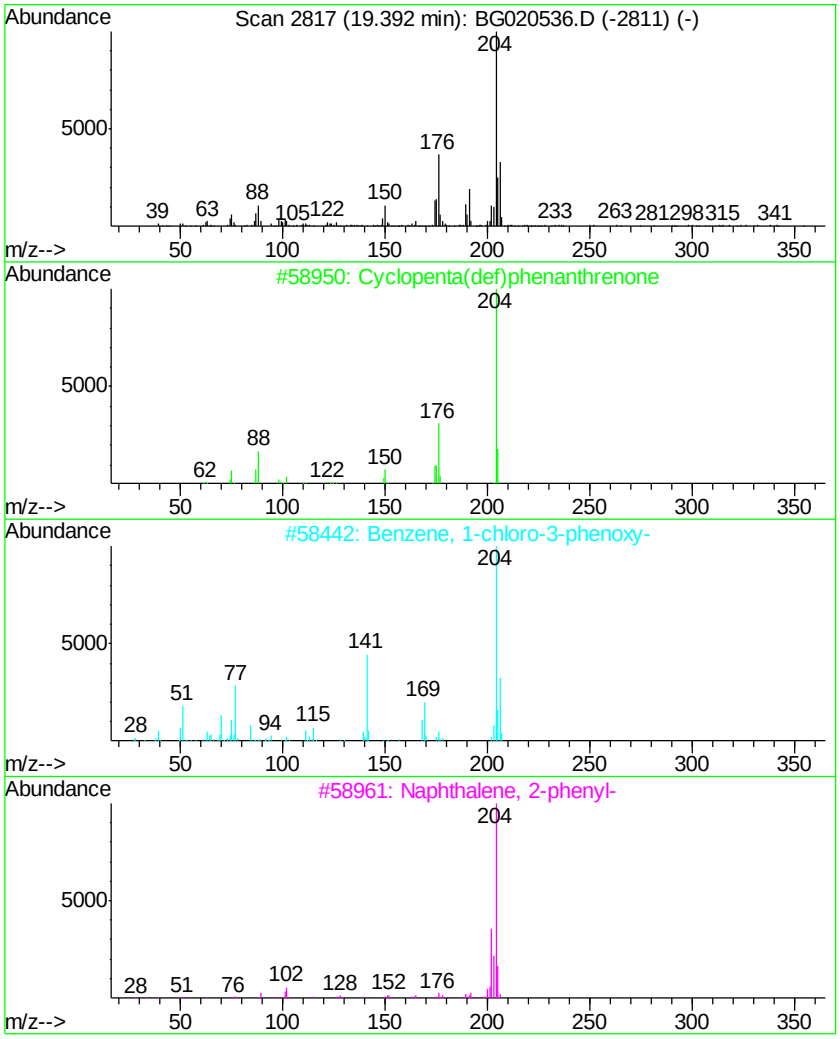
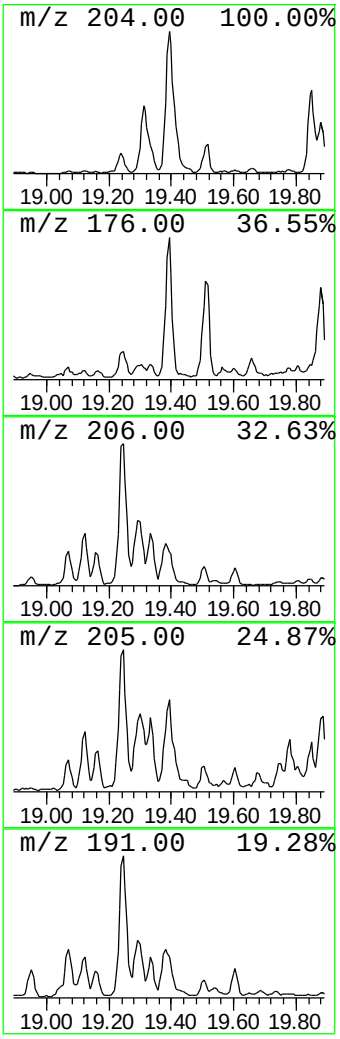
Peak Number 27 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	25.61 ng/ul	450653	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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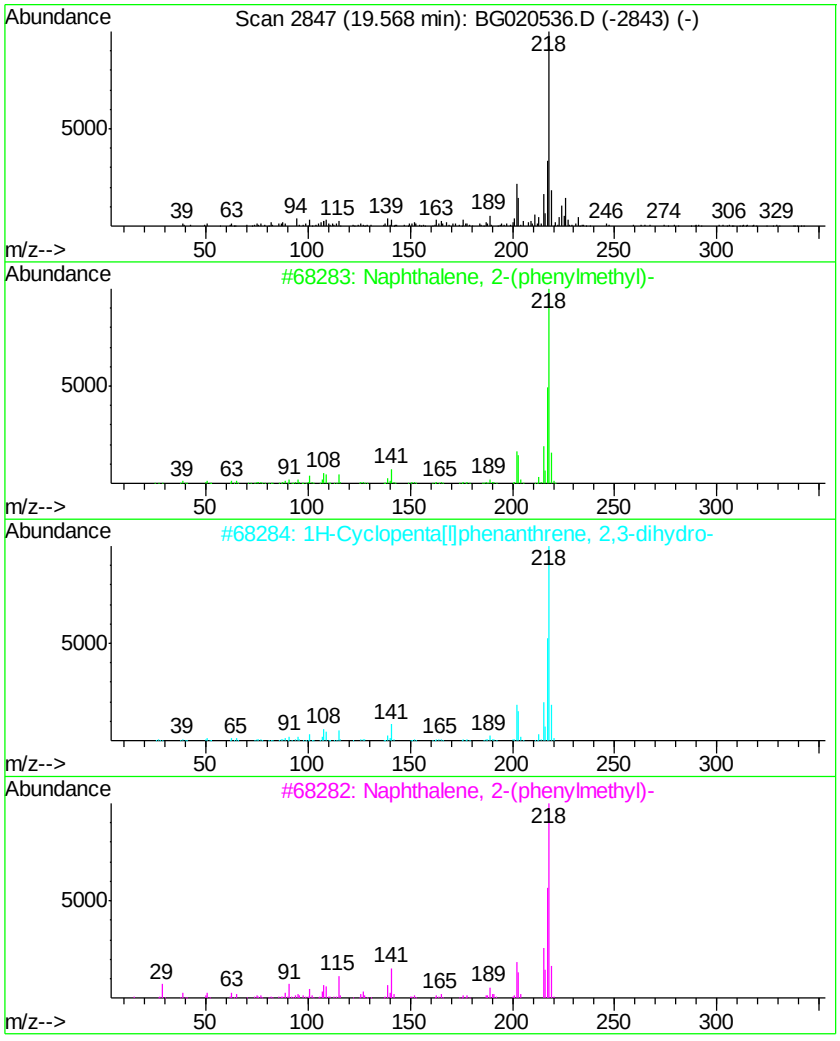
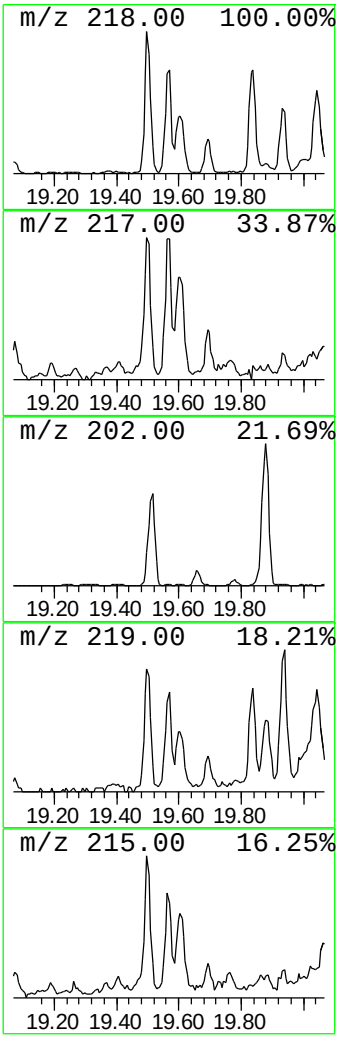
Peak Number 28 Naphthalene, 2-(phenylmethyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	6.93 ng/ul	121992	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	68
2	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	58
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	52
4	2,4-Diethoxyquinazoline	218	C12H14N2O2	000611-65-4	46
5	D-Norandrostan-16-ol, (5.alpha.,...	262	C18H30O	035575-61-2	38





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ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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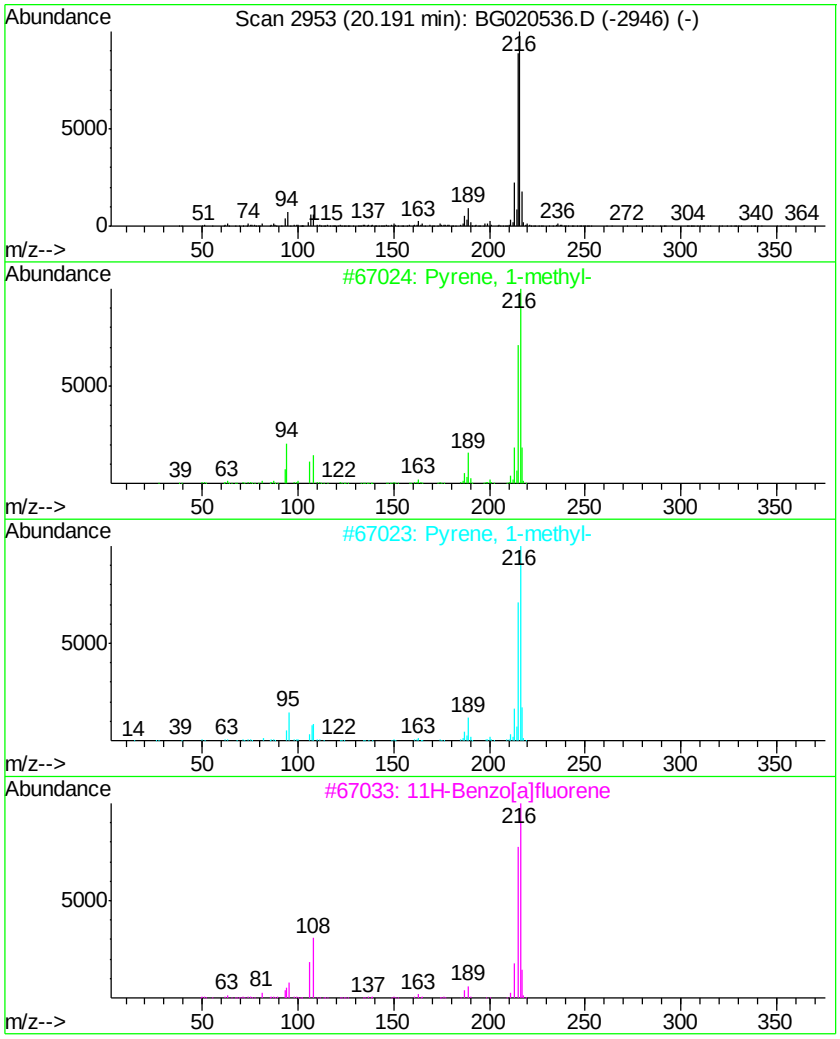
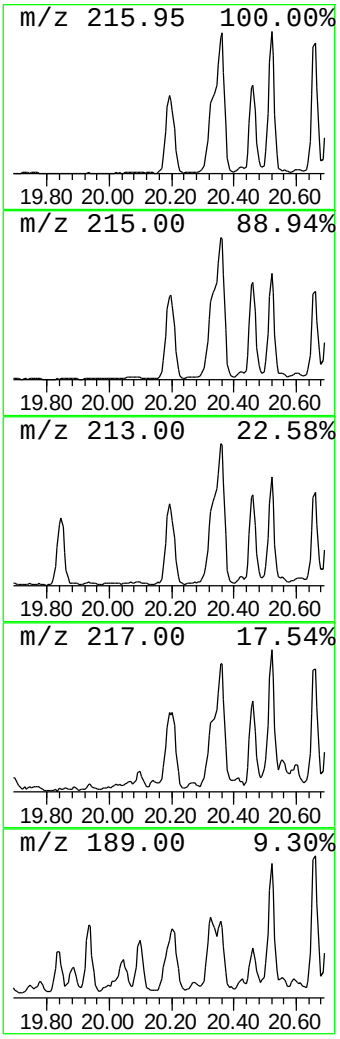
Peak Number 30 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	5.51 ng/ul	673859	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

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Quant Title : SVOA CALIBRATION

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

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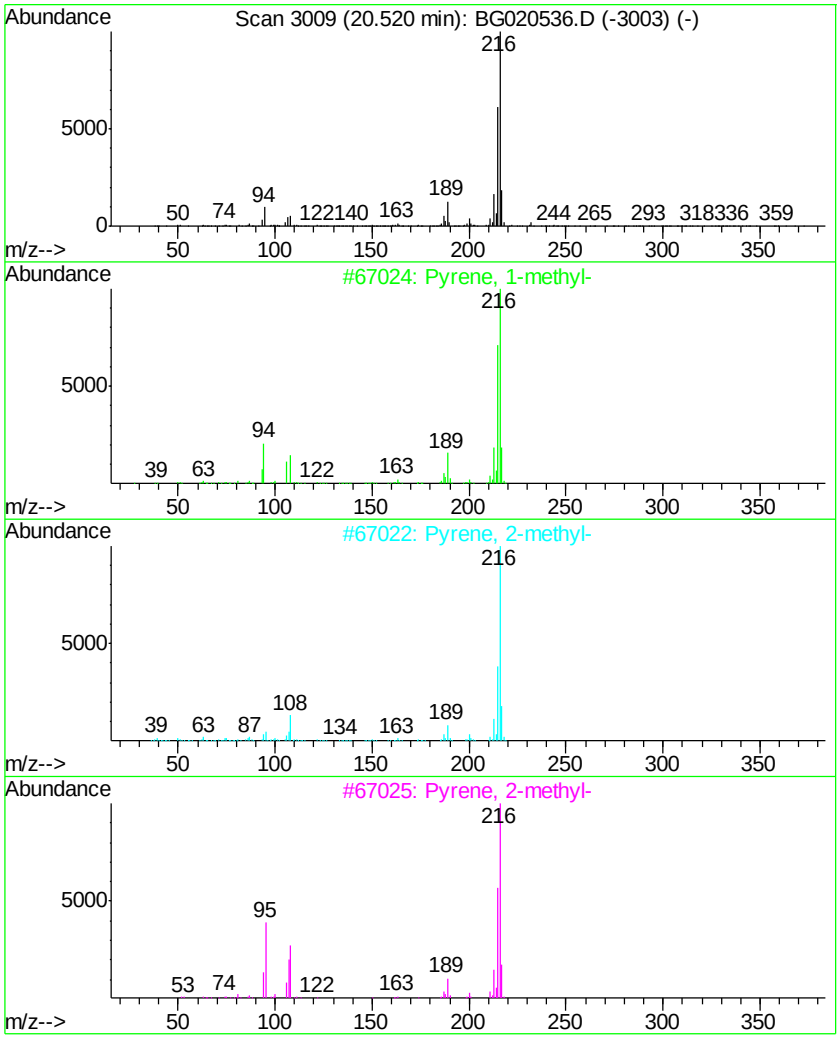
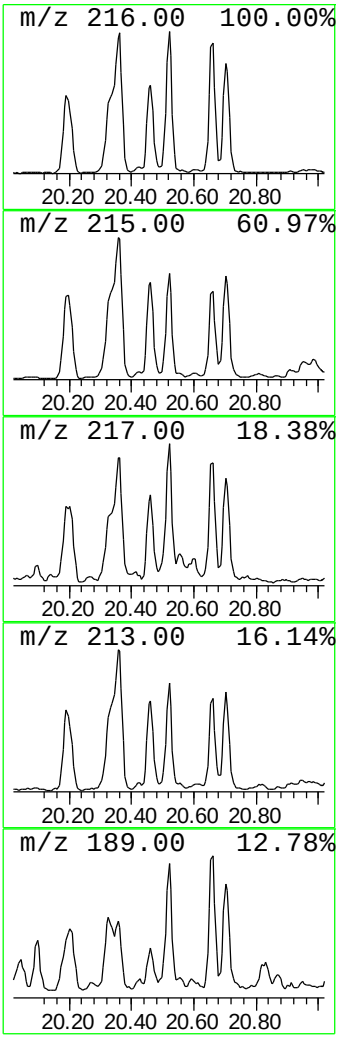
Peak Number 33 Pyrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	4.75 ng/ul	580711	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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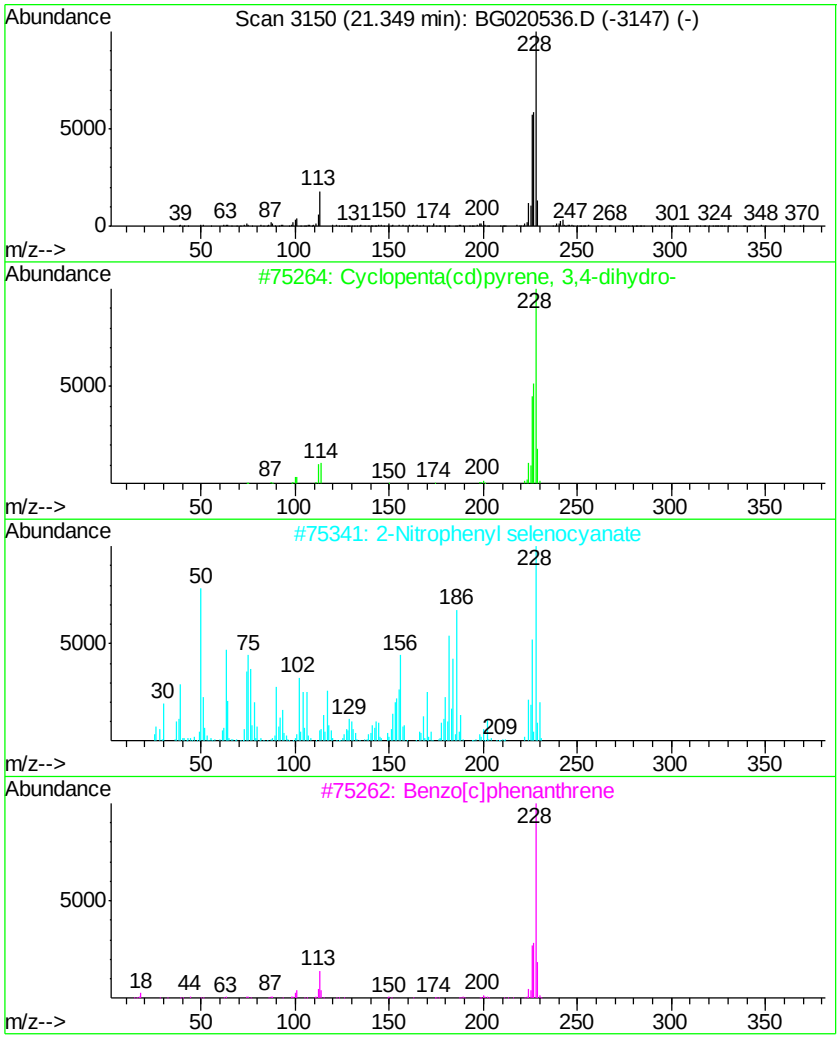
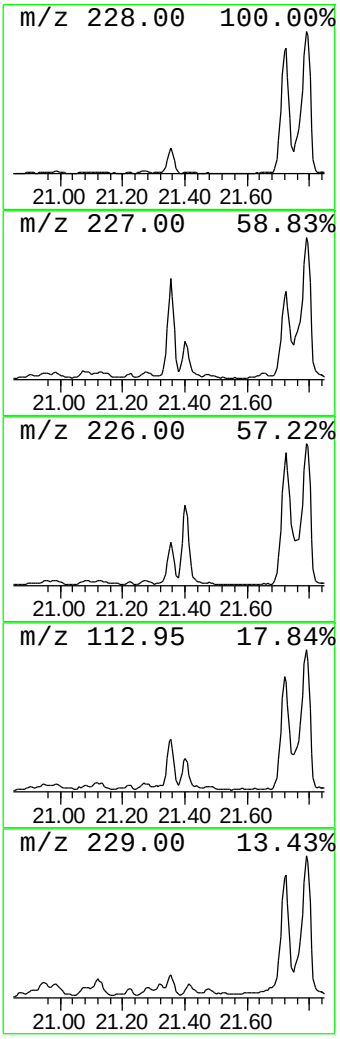
Peak Number 38 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	2.95 ng/ul	361071	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
2	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43





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Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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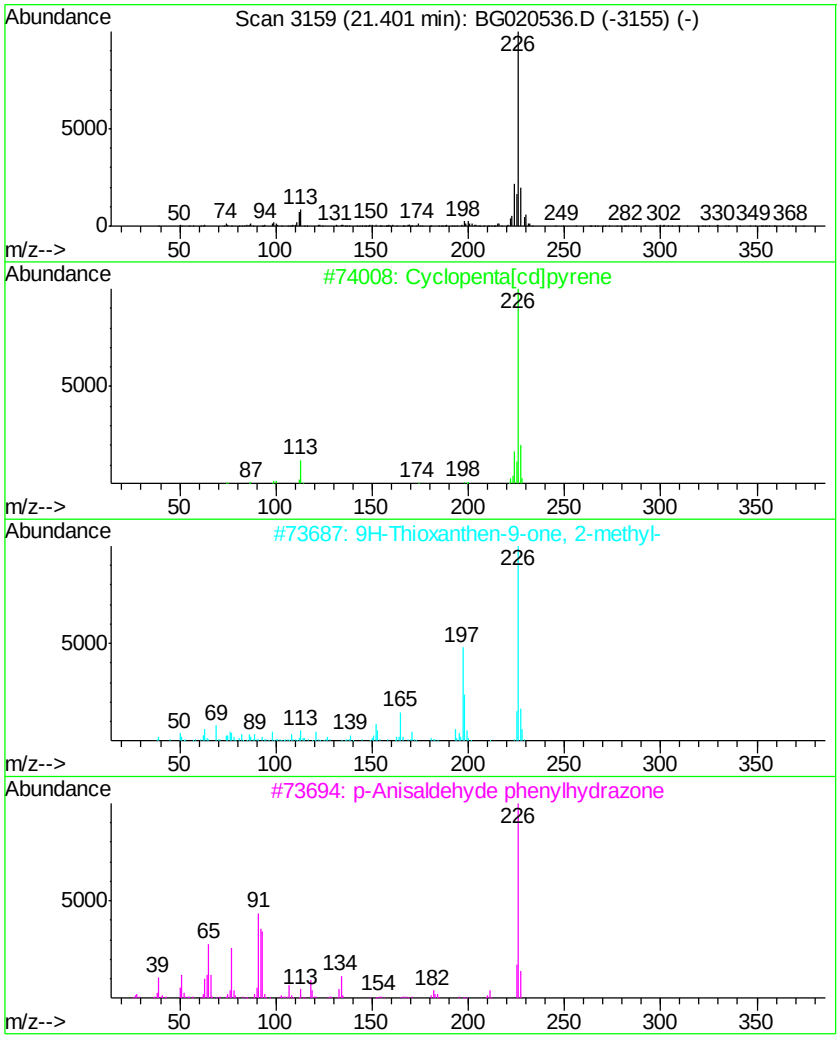
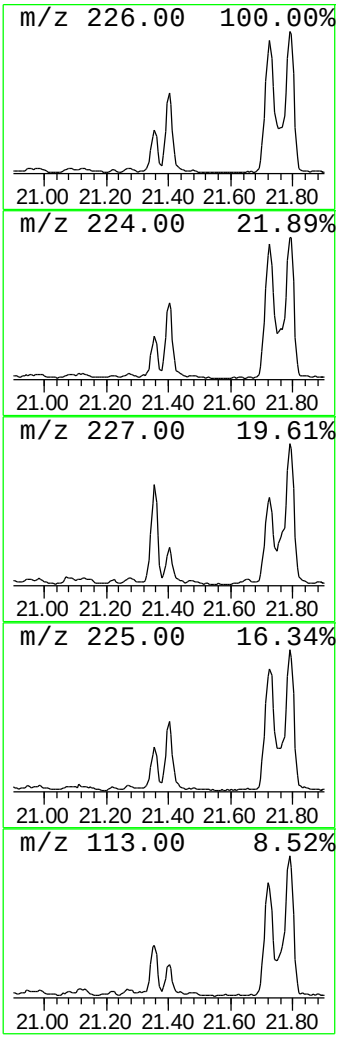
Peak Number 39 Cyclopenta[cd]pyrene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.04 ng/ul	248959	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	42
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	42
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,3-...	14.03	4.2	ng/ul	56097	3	14.72	266567	20.0
unknown-01	16.43	3.1	ng/ul	54140	4	17.46	351897	20.0
9H-Fluorene, 1-me...	16.76	4.4	ng/ul	77863	4	17.46	351897	20.0
9H-Fluorene, 2-me...	16.81	2.7	ng/ul	47475	4	17.46	351897	20.0
9H-Fluoren-9-one	17.11	4.2	ng/ul	73345	4	17.46	351897	20.0
Dibenzothiophene	17.28	4.5	ng/ul	79435	4	17.46	351897	20.0
Anthracene, 9-eth...	17.97	4.8	ng/ul	84360	4	17.46	351897	20.0
Dibenzothiophene,...	18.03	7.2	ng/ul	126277	4	17.46	351897	20.0
9-Acridinamine, 1...	18.18	4.9	ng/ul	85771	4	17.46	351897	20.0
Phenanthrene, 2-m...	18.33	27.5	ng/ul	484374	4	17.46	351897	20.0
Phenanthrene, 1-m...	18.38	29.6	ng/ul	519877	4	17.46	351897	20.0
Anthracene, 1-met...	18.46	6.5	ng/ul	114472	4	17.46	351897	20.0
5H-Dibenzo[a,d]cy...	18.52	48.0	ng/ul	844293	4	17.46	351897	20.0
Anthracene, 9-met...	18.56	18.6	ng/ul	327896	4	17.46	351897	20.0
1,2,3,4-Tetrahydr...	18.63	2.6	ng/ul	45692	4	17.46	351897	20.0
2,8-Dimethyldiben...	18.73	2.8	ng/ul	48617	4	17.46	351897	20.0
2-Phenylnaphthalene	18.83	17.9	ng/ul	315212	4	17.46	351897	20.0
9,10-Anthracenedione	18.88	16.9	ng/ul	297143	4	17.46	351897	20.0
Anthracene, 9-eth...	18.95	2.8	ng/ul	49824	4	17.46	351897	20.0
Phenanthrene, 2,3...	19.07	10.8	ng/ul	190066	4	17.46	351897	20.0
Phenanthrene, 3,6...	19.16	5.5	ng/ul	97413	4	17.46	351897	20.0
Phenanthrene, 2,5...	19.25	29.9	ng/ul	525841	4	17.46	351897	20.0
unknown-02	19.30	20.2	ng/ul	355171	4	17.46	351897	20.0
9,10-Dimethylanth...	19.33	7.2	ng/ul	126709	4	17.46	351897	20.0
Cyclopenta(def)ph...	19.39	25.6	ng/ul	450653	4	17.46	351897	20.0
Naphthalene, 2-(p...	19.57	6.9	ng/ul	121992	4	17.46	351897	20.0
Pyrene, 1-methyl-	20.19	5.5	ng/ul	673859	5	21.74	2444640	20.0
Pyrene, 2-methyl-	20.52	4.8	ng/ul	580711	5	21.74	2444640	20.0
Cyclopenta(cd)pyr...	21.35	3.0	ng/ul	361071	5	21.74	2444640	20.0
Cyclopenta[cd]pyrene	21.40	2.0	ng/ul	248959	5	21.74	2444640	20.0