LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

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-BG123015.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	7.217	739	745	755	rBV	39440	70602	3.83%	0.260%
2	7.382	767	773	782	rBV	30933	51901	2.82%	0.191%
3	7.587	802	808	818	rBB	41054	69963	3.79%	0.258%
4	8.057	882	888	897	rBV	98061	165869	9.00%	0.611%
5	8.768	1002	1009	1018	rBV2	51813	88668	4.81%	0.327%
6	9.227	1081	1087	1095	rBV	40189	72206	3.92%	0.266%
7	9.955	1205	1211	1222	rVB	37280	68335	3.71%	0.252%
8	10.496	1297	1303	1313	rVV	59648	112899	6.12%	0.416%
9	10.878	1360	1368	1373	rBV	143349	266126	14.43%	0.980%
10	10.925	1373	1376	1384	rVB	52916	86301	4.68%	0.318%
11	12.523	1640	1648	1656	rBV	37962	68421	3.71%	0.252%
12	13.592	1824	1830	1836	rBV	20961	49495	2.68%	0.182%
13	14.015	1896	1902	1907	rBV3	24015	47333	2.57%	0.174%
14	14.091	1907	1915	1920	rVV	113476	184334	10.00%	0.679%
15	14.144	1920	1924	1931	rVB2	57059	92868	5.04%	0.342%
16	14.391	1959	1966	1969	rBV	141257	241766	13.11%	0.891%
17	14.420	1969	1971	1980	rVB	87482	128028	6.94%	0.472%
18	14.697	2006	2018	2025	rVV2	256096	429637	23.30%	1.583%
19	14.902	2047	2053	2061	rBV2	35077	71635	3.89%	0.264%
20	15.302	2115	2121	2127	rBV3	17205	43293	2.35%	0.159%
21	15.566	2161	2166	2171	rBV	25987	40201	2.18%	0.148%
22	15.684	2181	2186	2192	rBV	200480	294599	15.98%	1.085%
23	15.807	2203	2207	2213	rVV	31065	50165	2.72%	0.185%
24	16.377	2300	2304	2306	rBV2	35722	46113	2.50%	0.170%
25	16.406	2306	2309	2314	rVB5	37533	60742	3.29%	0.224%
26	16.753	2360	2368	2372	rBV10	19195	53542	2.90%	0.197%
27	17.017	2409	2413	2418	rVB2	28113	40946	2.22%	0.151%
28	17.094	2423	2426	2434	rVV2	25548	46411	2.52%	0.171%
29	17.170	2435	2439	2444	rVV	37137	54100	2.93%	0.199%
30	17.440	2479	2485	2489	rBV	332285	515089	27.94%	1.898%
31	17.482	2489	2492	2497	rVV	295170	429637	23.30%	1.583%
32	17.540	2497	2502	2506	rVV2	195637	311145	16.88%	1.146%
33	17.576	2506	2508	2512	rVB	60677	70296	3.81%	0.259%
34	17.846	2550	2554	2561	rBV2	43721	68354	3.71%	0.252%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

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-BG123015.M
Title : SVOA CALIBRATION

35	17.910	2561	2565	2570	rBV3	43366	74246	4.03%	0.274%
36	18.022	2580	2584	2591	rBV3	31434	59485	3.23%	0.219%
37	18.134	2599	2603	2607	rBV2	29834	44515	2.41%	0.164%
38	18.316	2629	2634	2638	rVV2	114453	184497	10.01%	0.680%
39	18.363	2638	2642	2647	rVB2	124949	189417	10.27%	0.698%
40	18.445	2653	2656	2661	rVB	32702	46506	2.52%	0.171%
41	18.510	2661	2667	2671	rBV2	178377	379135	20.56%	1.397%
42	18.545	2671	2673	2677	rVB	105716	120762	6.55%	0.445%
43	18.809	2714	2718	2722	rVB3	65753	96888	5.26%	0.357%
44	18.856	2722	2726	2736	rVB5	65853	123253	6.69%	0.454%
45	19.027	2752	2755	2757	rBV2	32761	42788	2.32%	0.158%
46	19.227	2784	2789	2794	rBV	193329	334566	18.15%	1.232%
47	19.315	2802	2804	2808	rVB	60001	69689	3.78%	0.257%
48	19.373	2808	2814	2825	rBV4	131403	317116	17.20%	1.168%
49	19.491	2829	2834	2839	rVB	599980	863302	46.83%	3.180%
50	19.550	2840	2844	2847	rBV3	50470	70632	3.83%	0.260%
51	19.585	2847	2850	2854	rVB	45315	57977	3.14%	0.214%
52	19.644	2856	2860	2864	rBV	80876	111031	6.02%	0.409%
53	19.761	2877	2880	2885	rVB2	123733	169742	9.21%	0.625%
54	19.826	2886	2891	2893	rBV2	315056	486885	26.41%	1.794%
55	19.861	2893	2897	2903	rVB	943140	1382946	75.01%	5.095%
56	19.920	2903	2907	2913	rVB2	115816	187271	10.16%	0.690%
57	20.084	2931	2935	2942	rVB3	81450	142501	7.73%	0.525%
58	20.184	2945	2952	2958	rBV3	154346	404692	21.95%	1.491%
59	20.325	2969	2976	2984	rVB4	222812	687721	37.30%	2.533%
60	20.408	2987	2990	2992	rBV2	60747	80067	4.34%	0.295%
61	20.443	2993	2996	3000	rVV	98437	130660	7.09%	0.481%
62	20.502	3002	3006	3010	rVB	219277	286236	15.53%	1.054%
63	20.643	3026	3030	3034	rBV	341394	465517	25.25%	1.715%
64	20.690	3034	3038	3046	rVB	228415	344933	18.71%	1.271%
65	21.013	3090	3093	3096	rVB5	41805	50969	2.76%	0.188%
66	21.107	3106	3109	3116	rVB2	144648	253186	13.73%	0.933%
67	21.201	3122	3125	3131	rVB	66573	96083	5.21%	0.354%
68	21.265	3132	3136	3137	rBV3	66130	87049	4.72%	0.321%
69	21.295	3138	3141	3145	rVV	117199	172191	9.34%	0.634%
70	21.336	3145	3148	3152	rVB	116218	153638	8.33%	0.566%
71	21.389	3152	3157	3161	rBV3	121582	212084	11.50%	0.781%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

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-BG123015.M
Title : SVOA CALIBRATION

72	21.712	3204	3212	3218	rBV2	617116	1843640	100.00%	6.792%
73	21.765	3218	3221	3233	rVB	535583	992302	53.82%	3.655%
74	21.865	3235	3238	3243	rVB3	61091	90136	4.89%	0.332%
75	21.923	3244	3248	3254	rBV4	64937	134160	7.28%	0.494%
76	21.988	3254	3259	3277	rVB4	161378	472061	25.60%	1.739%
77	22.194	3290	3294	3299	rBV5	60871	102254	5.55%	0.377%
78	22.376	3321	3325	3329	rBV2	59006	100458	5.45%	0.370%
79	22.458	3329	3339	3345	rVV	219077	569482	30.89%	2.098%
80	22.529	3347	3351	3357	rVB	134973	235232	12.76%	0.867%
81	22.623	3361	3367	3371	rBV4	80880	173627	9.42%	0.640%
82	22.728	3381	3385	3389	rBV	106590	184268	9.99%	0.679%
83	22.875	3407	3410	3416	rVB2	74649	134670	7.30%	0.496%
84	23.304	3481	3483	3488	rBV2	28506	49382	2.68%	0.182%
85	23.950	3584	3593	3601	rBV2	407842	1412250	76.60%	5.203%
86	24.203	3629	3636	3645	rBV	112493	295697	16.04%	1.089%
87	24.409	3666	3671	3677	rBV8	24761	68178	3.70%	0.251%
88	24.685	3708	3718	3725	rBV	352063	1009871	54.78%	3.720%
89	24.761	3726	3731	3735	rVV	131297	314634	17.07%	1.159%
90	24.838	3736	3744	3753	rVB	501244	1351574	73.31%	4.979%
91	24.985	3756	3769	3776	rVV2	213023	712528	38.65%	2.625%
92	25.061	3777	3782	3797	rVB3	101890	386081	20.94%	1.422%
93	26.383	4000	4007	4017	rVB5	63262	190152	10.31%	0.700%
94	27.581	4202	4211	4212	rBV3	32173	66567	3.61%	0.245%
95	27.846	4249	4256	4266	rVB7	50388	171348	9.29%	0.631%
96	28.222	4313	4320	4321	rBV	28730	49041	2.66%	0.181%
97	28.721	4391	4405	4426	rVB2	219002	1101850	59.76%	4.059%
98	29.191	4478	4485	4496	rVB2	39620	147937	8.02%	0.545%
99	29.350	4502	4512	4522	rVB2	49568	193339	10.49%	0.712%
100	29.902	4583	4606	4619	rBV2	211718	1121542	60.83%	4.132%

Sum of corrected areas: 27145457

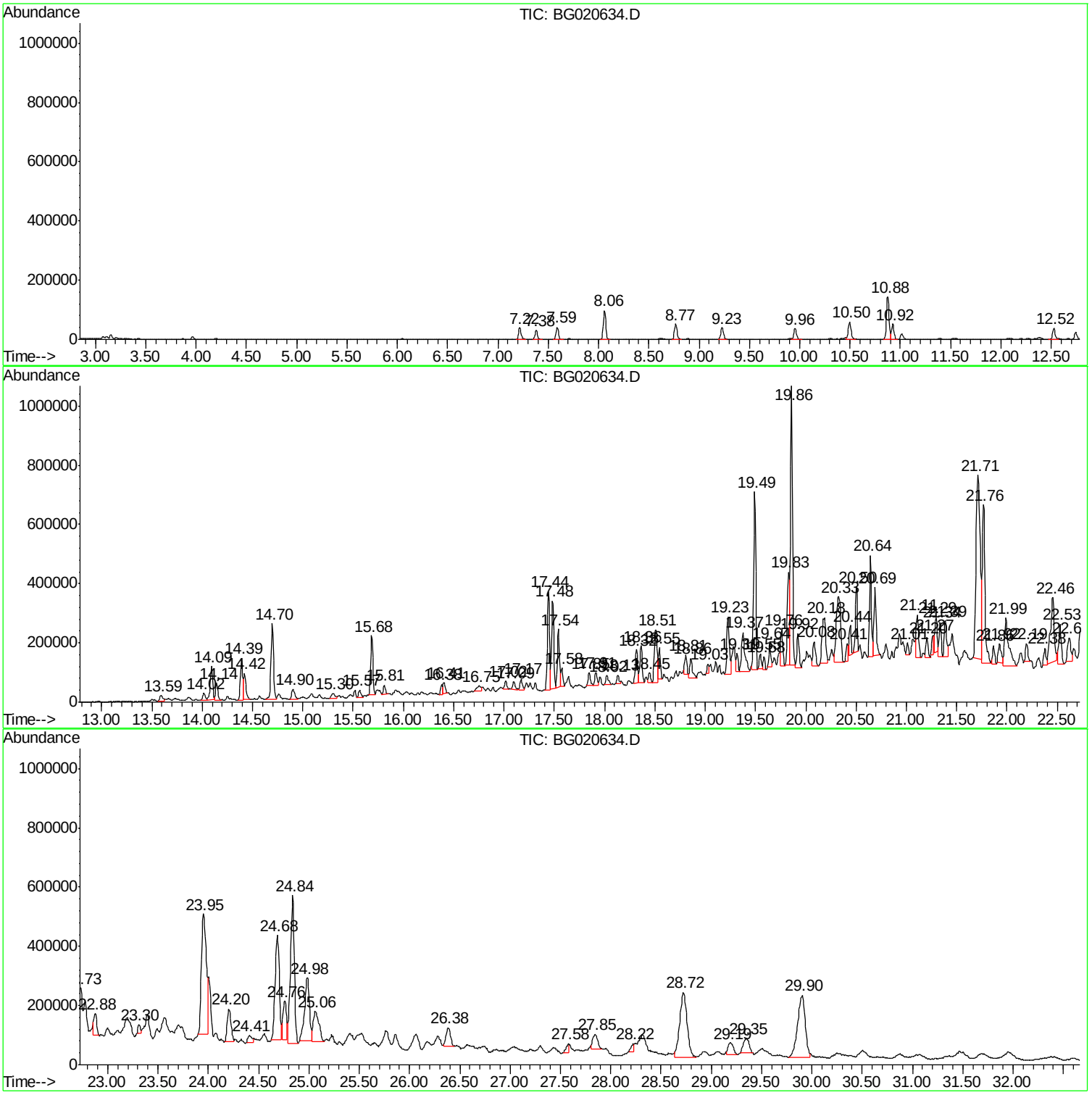
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

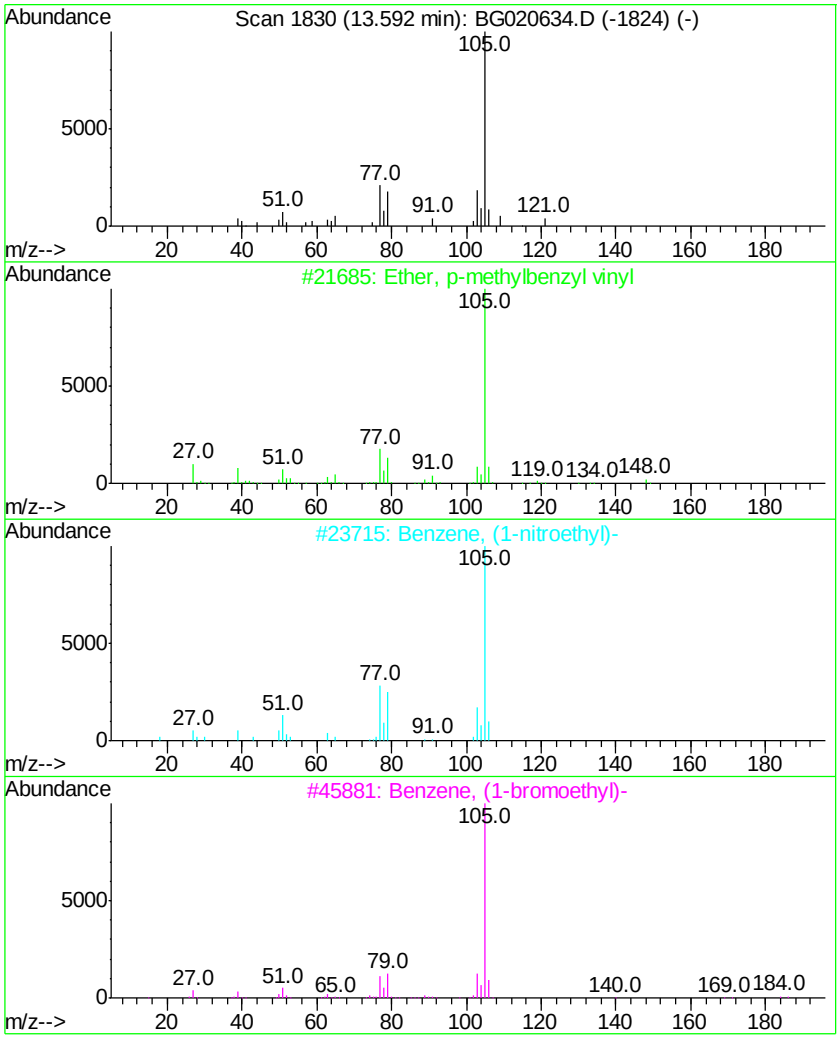
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

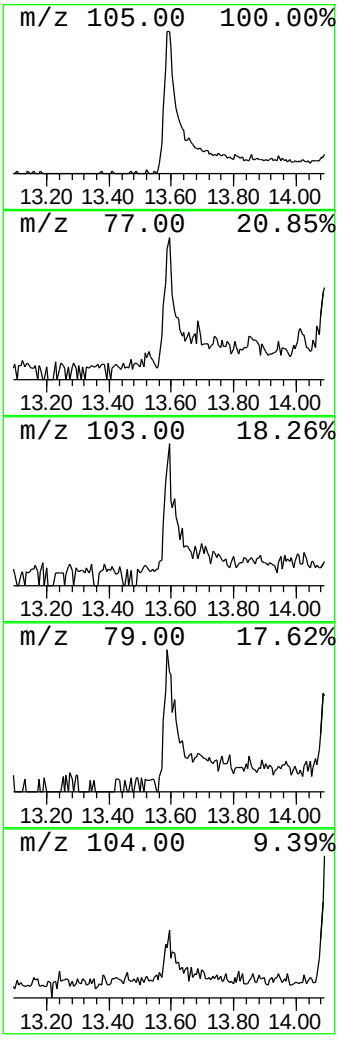
****

Peak Number 1 Ether, p-methylbenzyl vinyl Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.30 ng/ul	49495	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	59
2	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	53
3	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	53
4	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	50
5	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

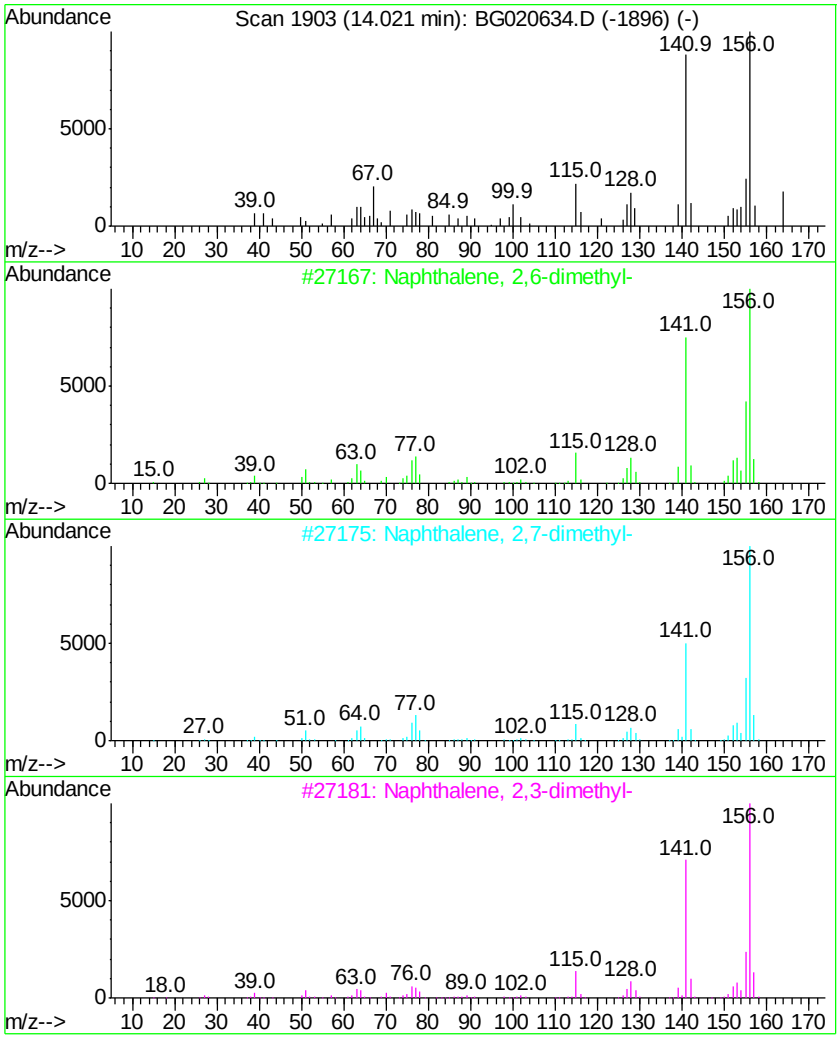
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

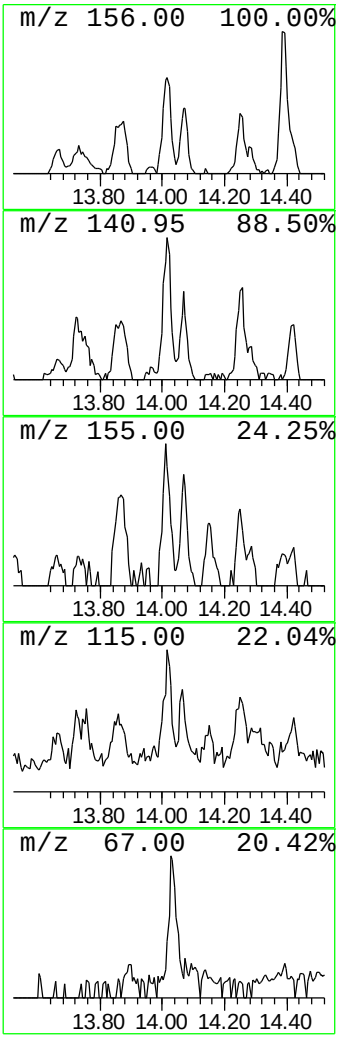
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.20 ng/ul	47333	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

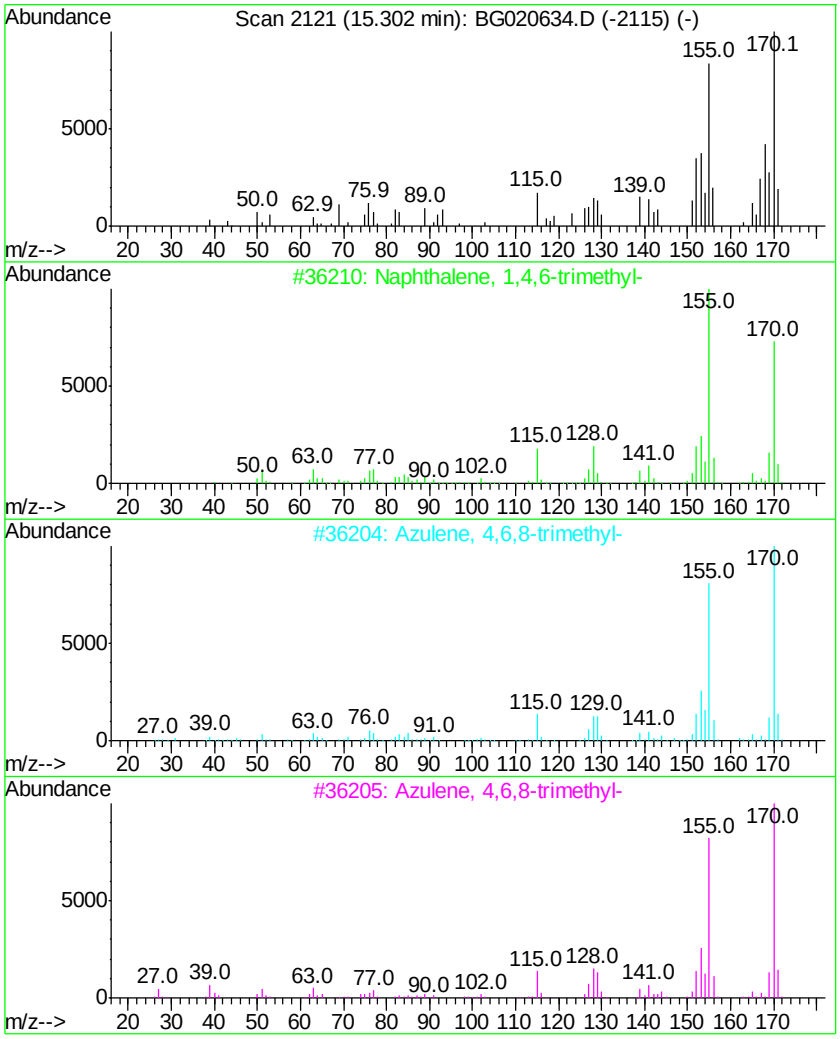
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

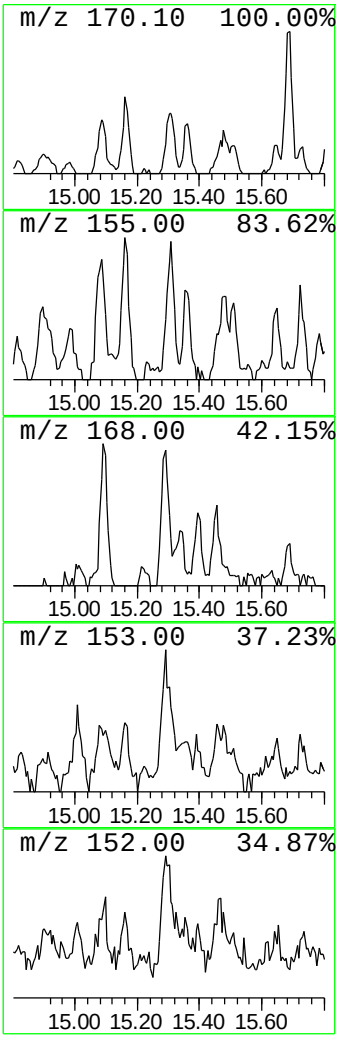
****

Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	2.02 ng/ul	43293	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	70
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	70
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	62
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

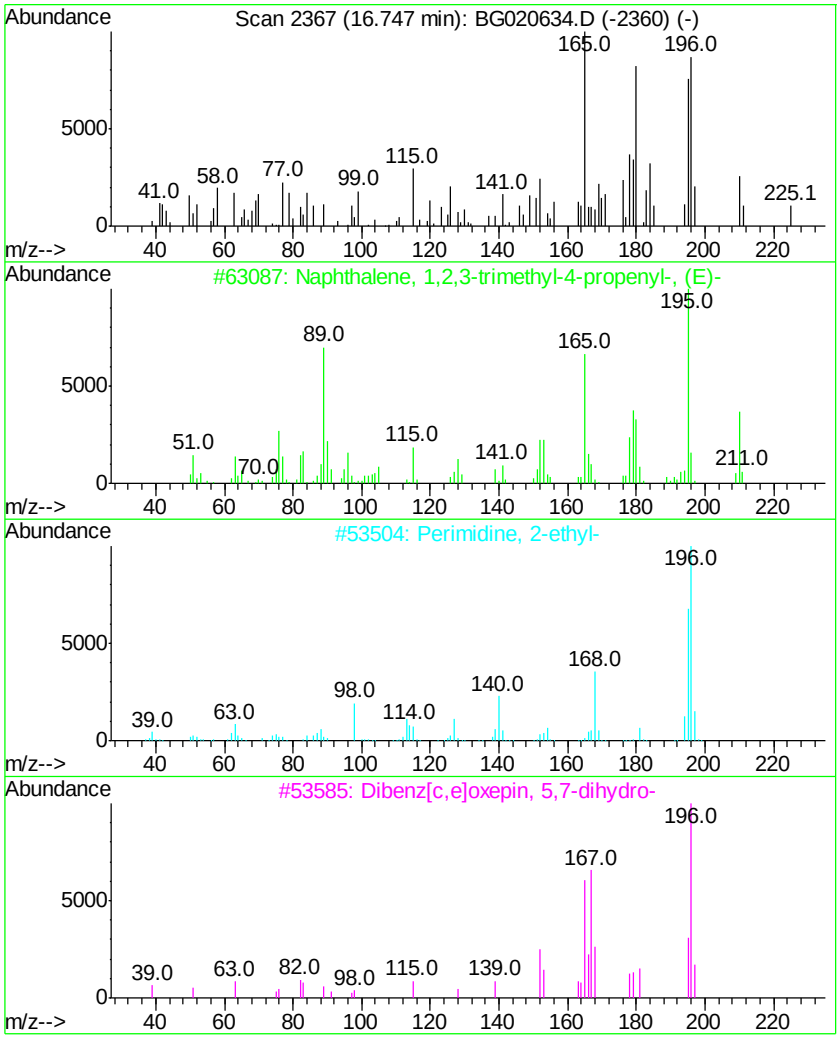
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

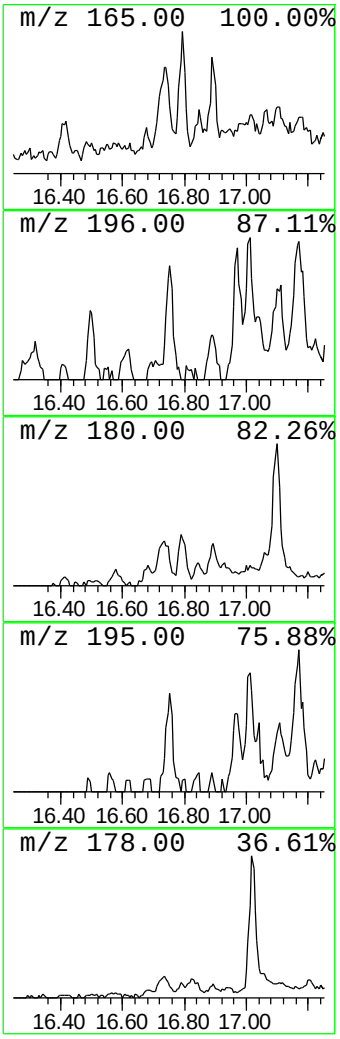
****

Peak Number 5 Naphthalene, 1,2,3-trimethy... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	2.08 ng/ul	53542	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	60
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	43
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	41
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	41
5	4-Quinolinol,1,4-diethyldecahydr...	225	C14H27NO	038463-60-4	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

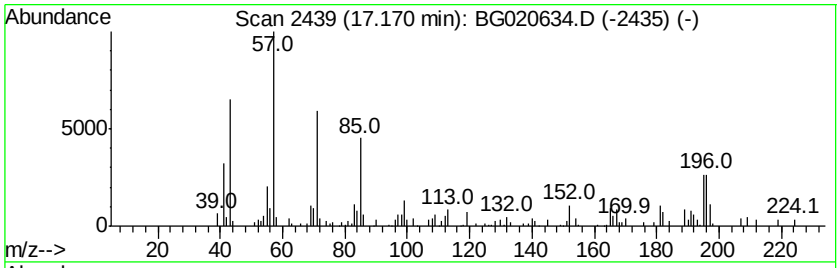
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

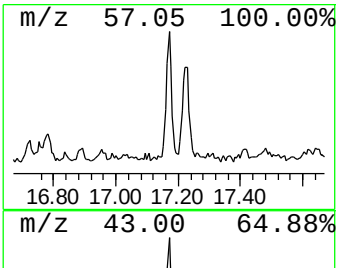
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.10 ng/ul	54100	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	70
2	Pentadecane	212	C15H32	000629-62-9	46
3	Dodecane	170	C12H26	000112-40-3	43
4	Dodecane	170	C12H26	000112-40-3	42
5	Tetradecane	198	C14H30	000629-59-4	41





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

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Quant Title : SVOA CALIBRATION

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

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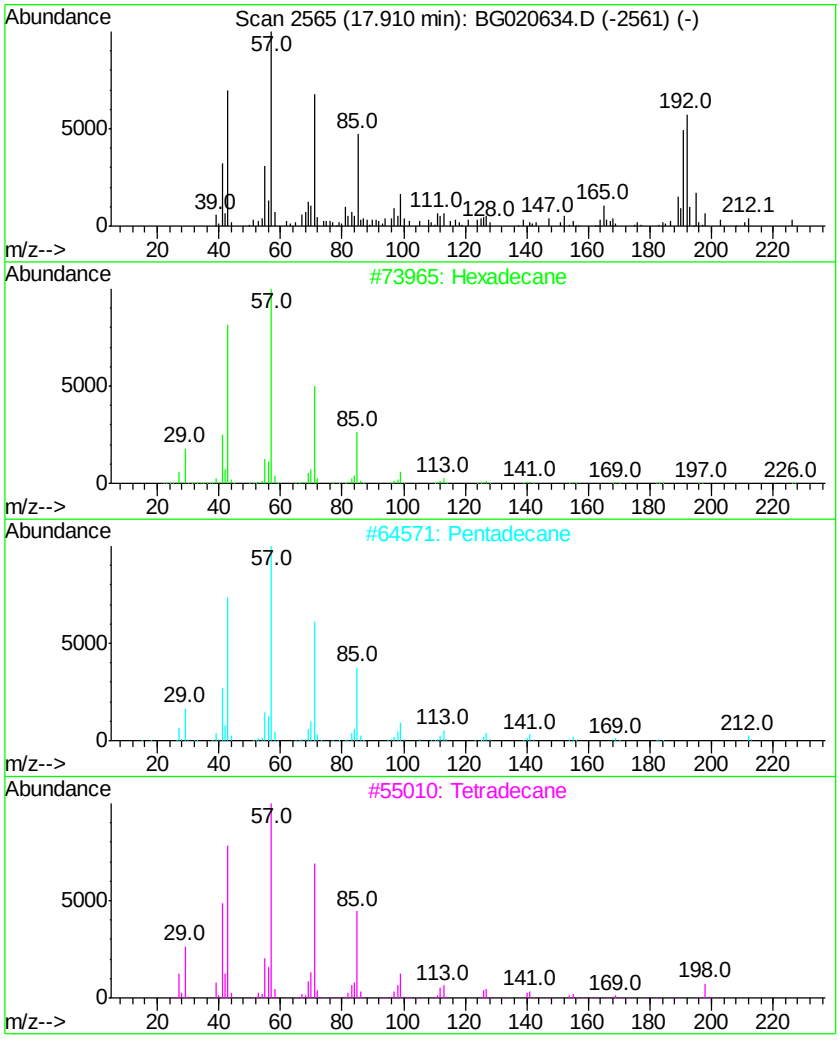
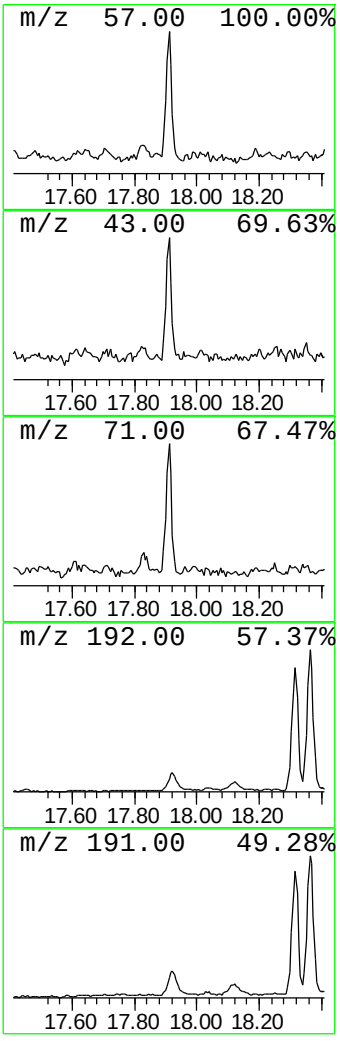
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.88 ng/ul	74246	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Pentadecane	212	C15H32	000629-62-9	59
3	Tetradecane	198	C14H30	000629-59-4	59
4	Tetradecane	198	C14H30	000629-59-4	56
5	Pentadecane	212	C15H32	000629-62-9	56





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ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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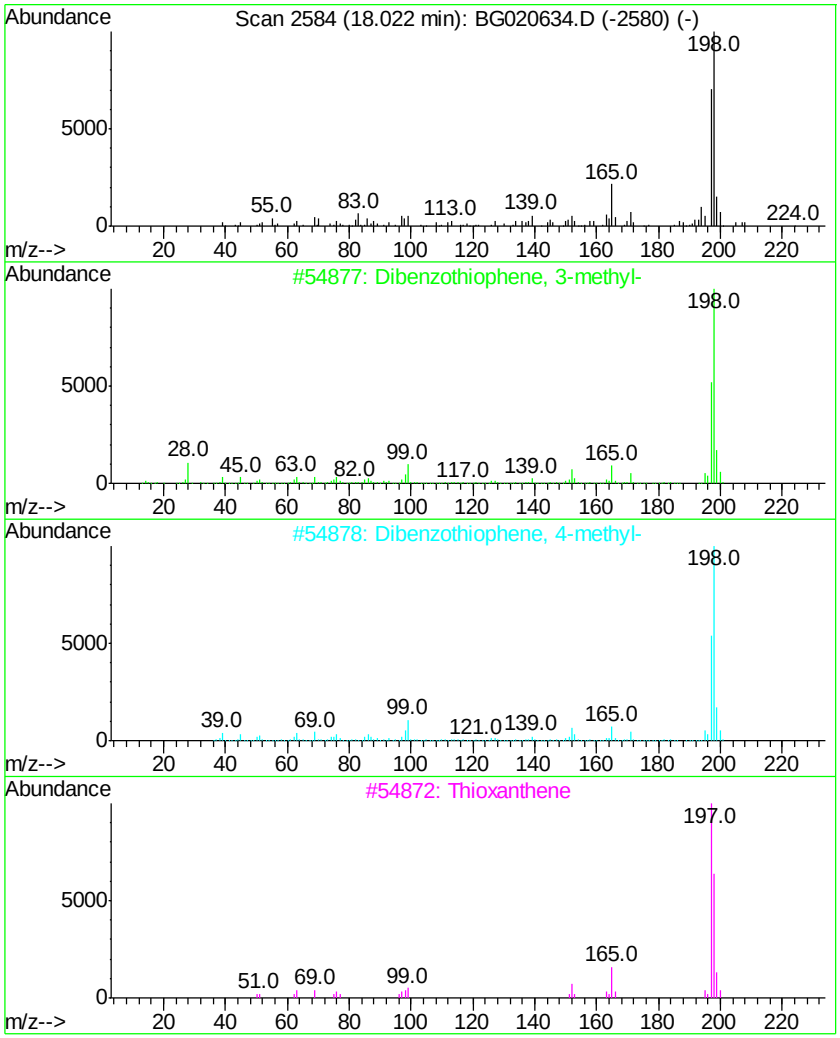
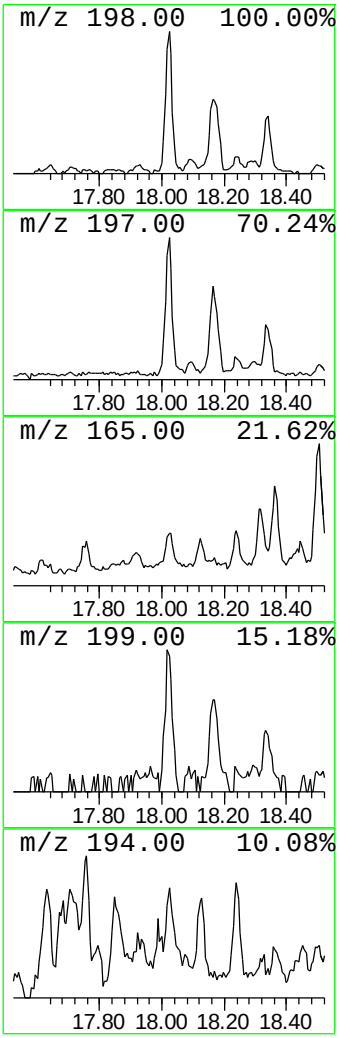
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.31 ng/ul	59485	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
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	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64





Library Search Compound Report

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Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

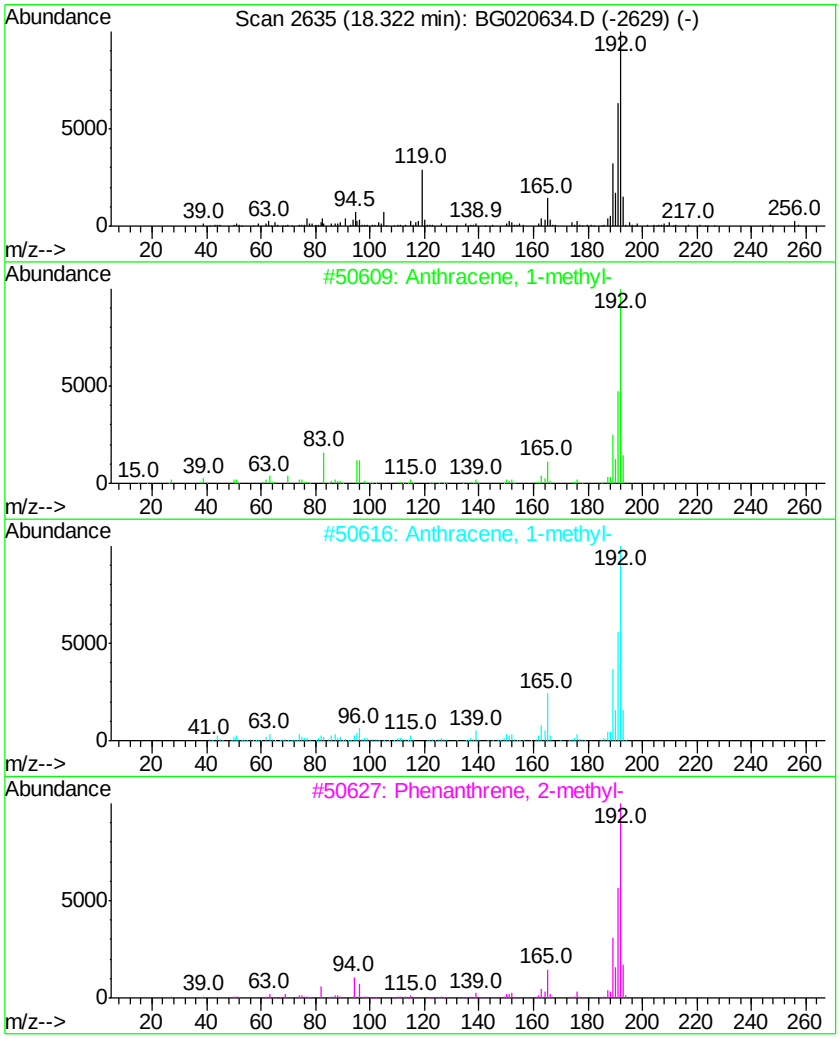
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

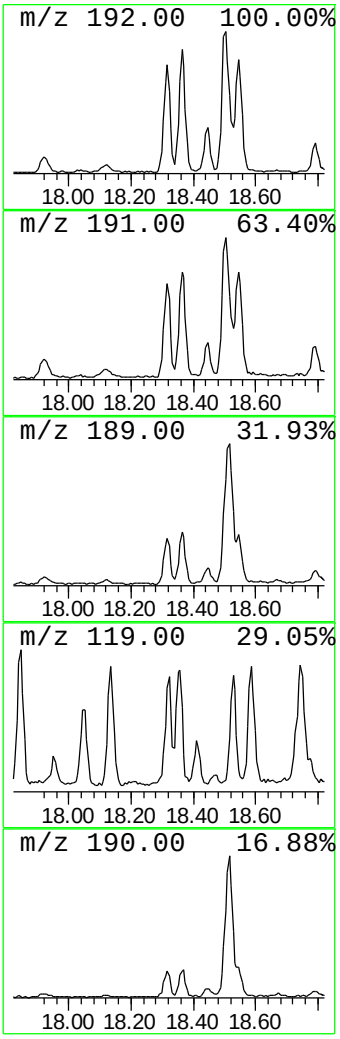
****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	7.16 ng/ul	184497	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

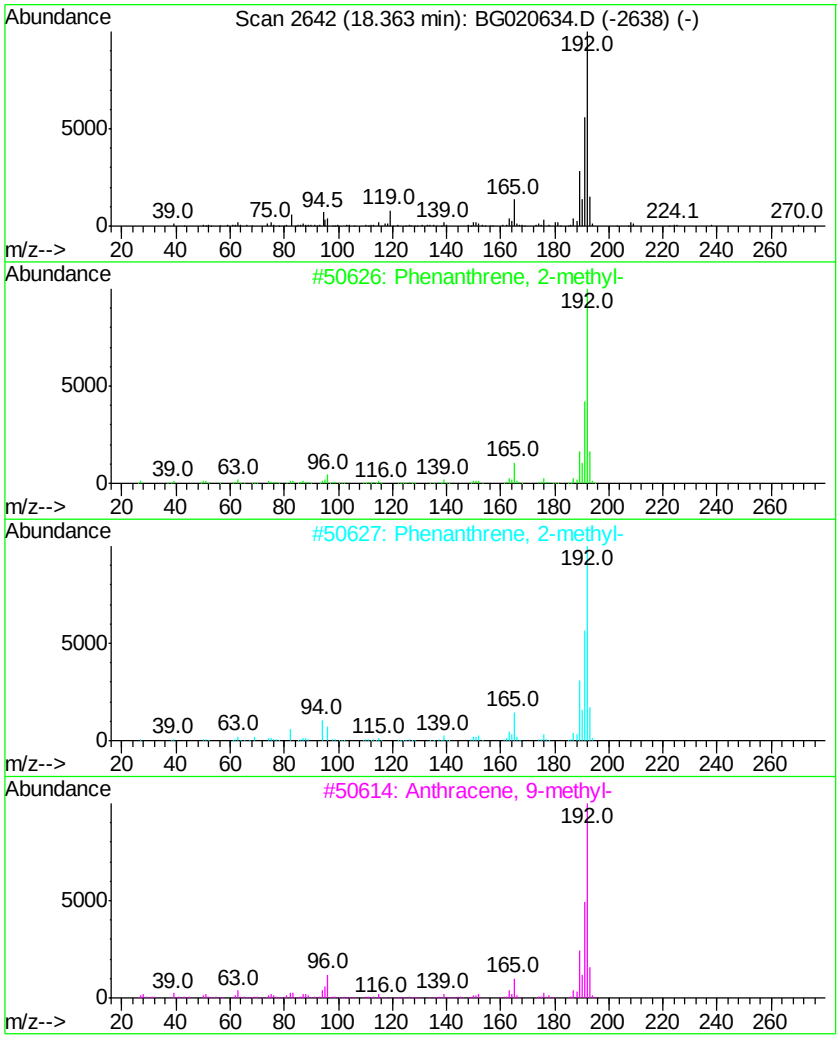
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

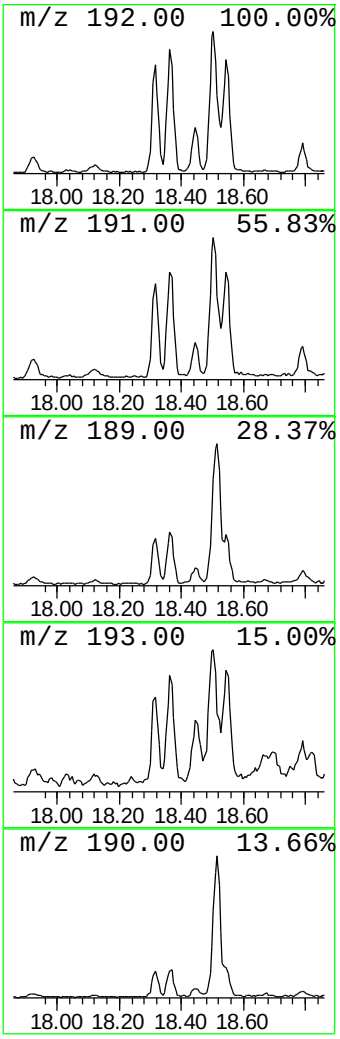
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	7.35 ng/ul	189417	Phenanthrene-d10	17.44

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





Library Search Compound Report

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Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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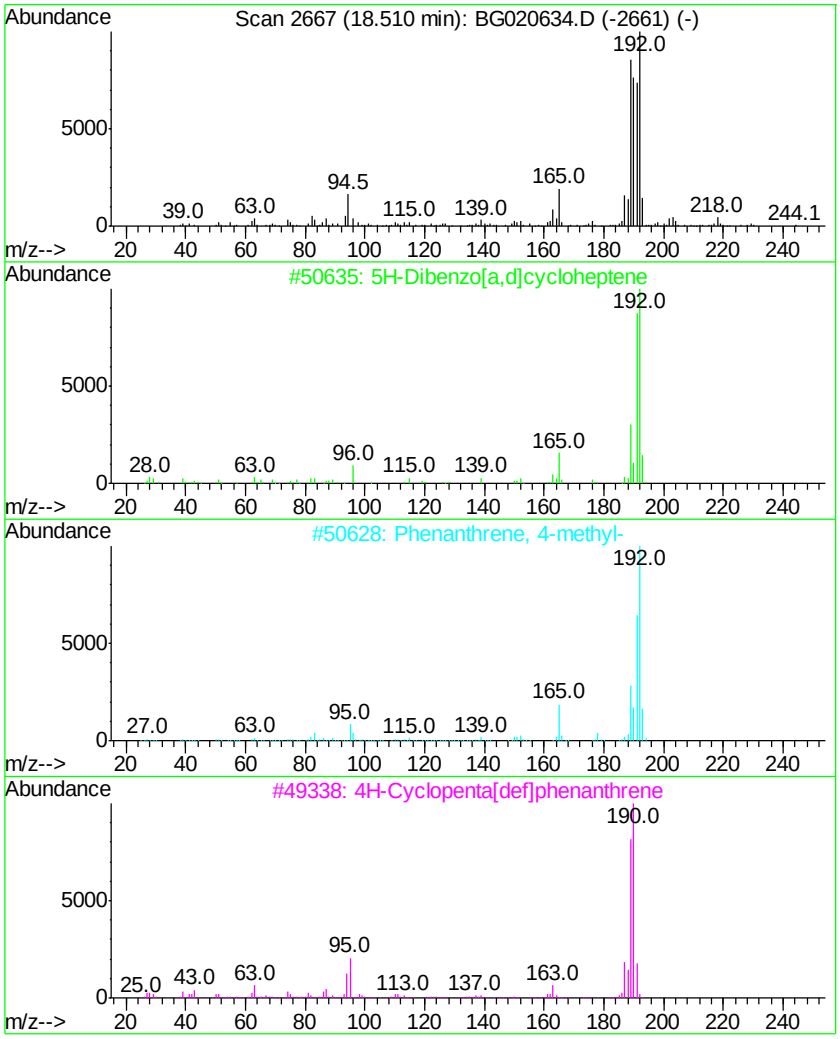
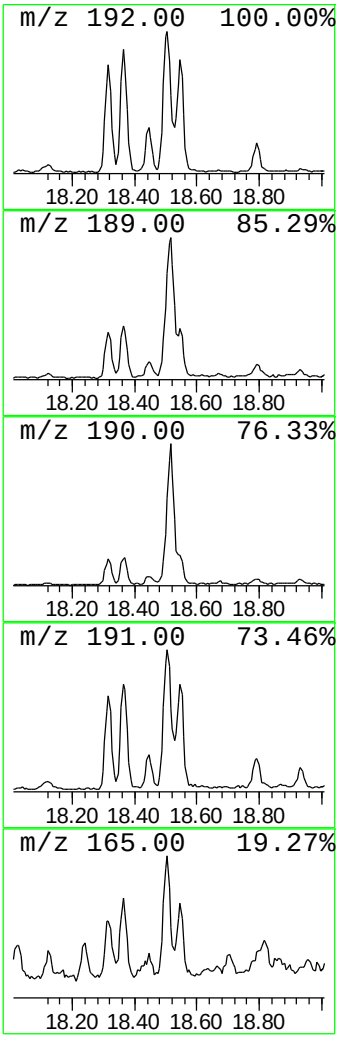
Peak Number 12 5H-Dibenzo[a,d]cycloheptene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	14.72 ng/ul	379135	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43





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Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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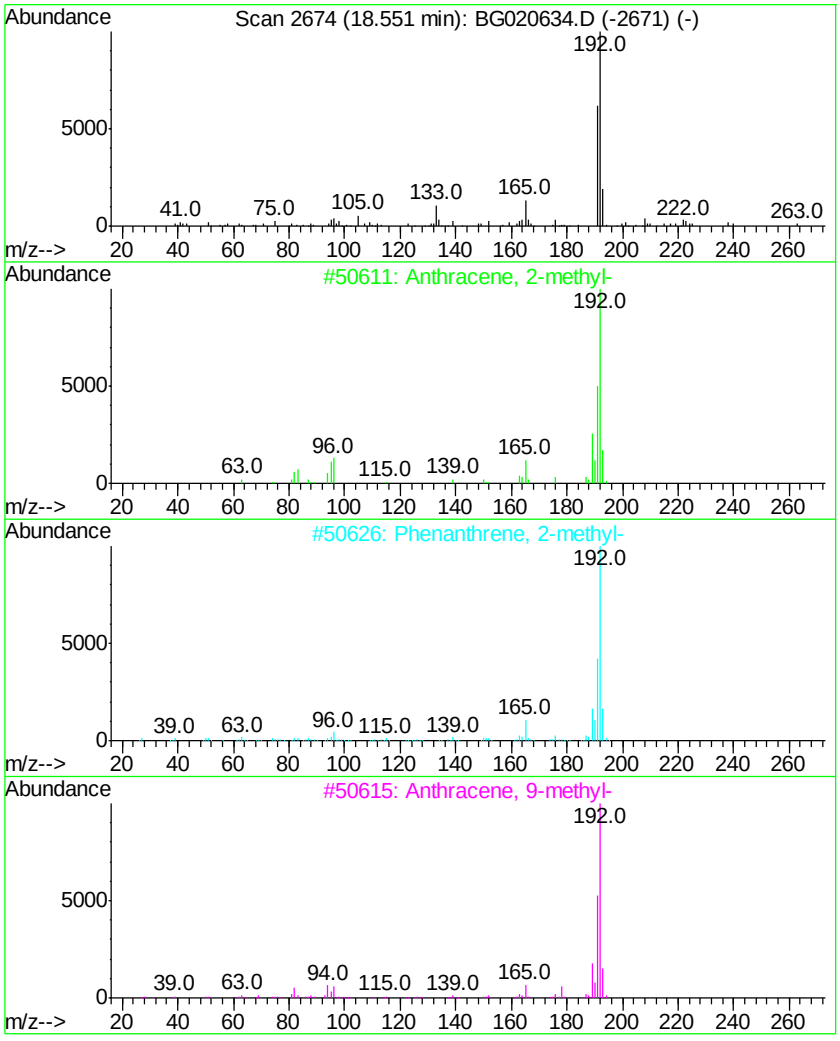
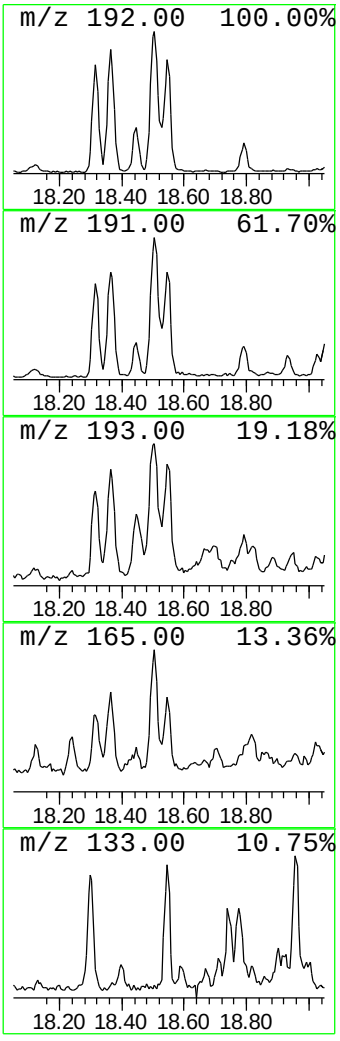
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.69 ng/ul	120762	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

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Quant Title : SVOA CALIBRATION

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

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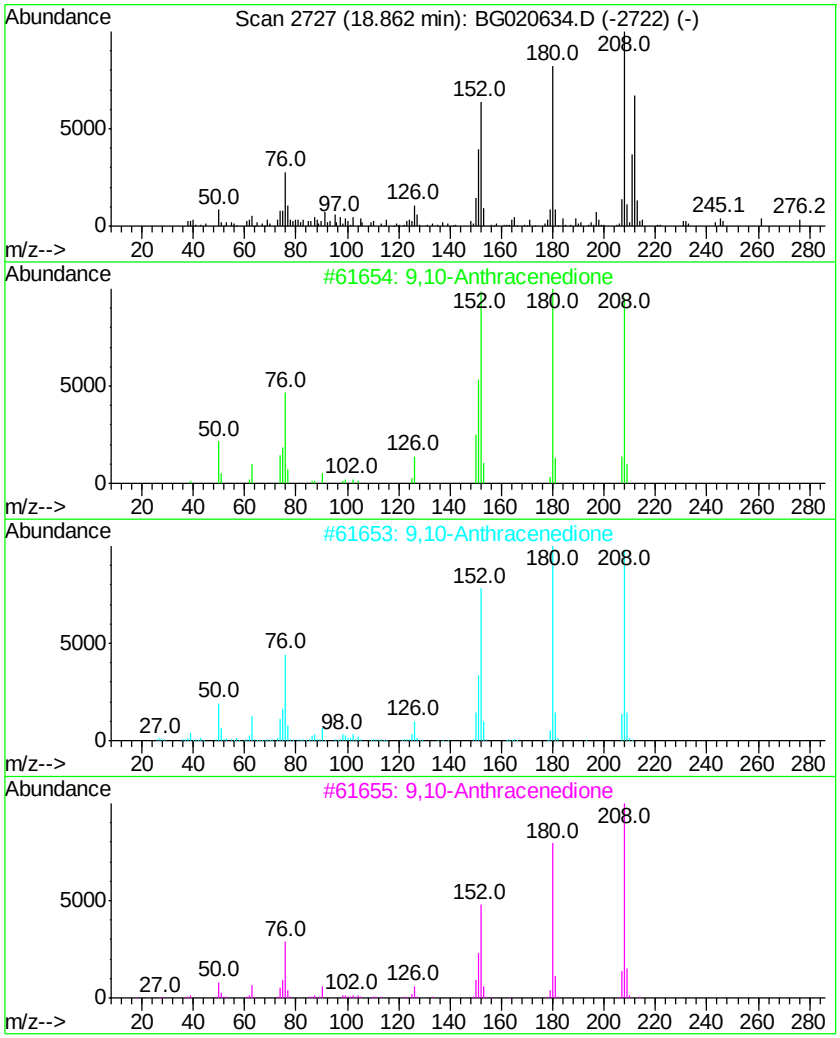
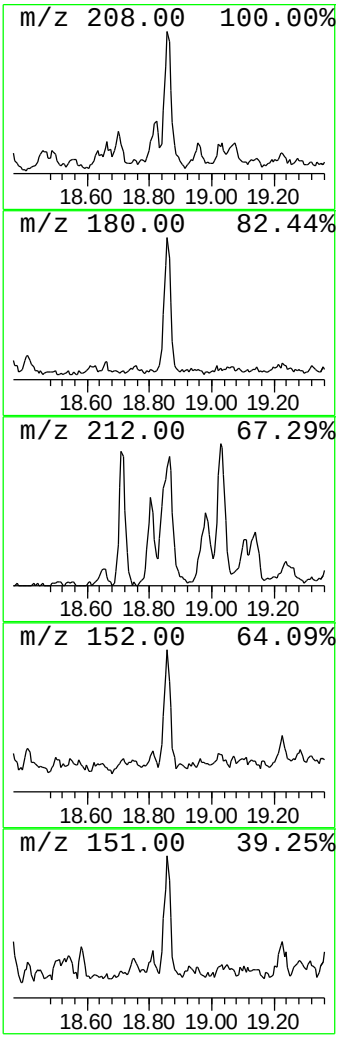
Peak Number 15 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.79 ng/ul	123253	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	64





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Misc :
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Instrument : BNA_G
ClientSampleId : G9D89DL

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Quant Title : SVOA CALIBRATION

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

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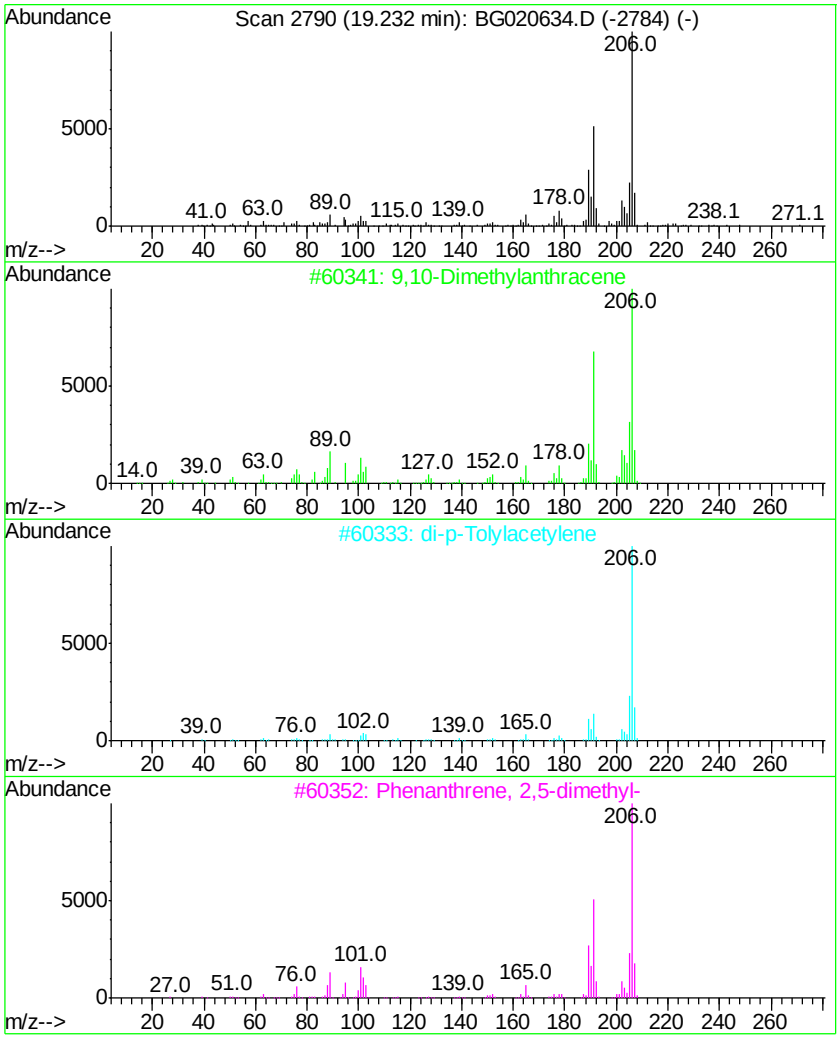
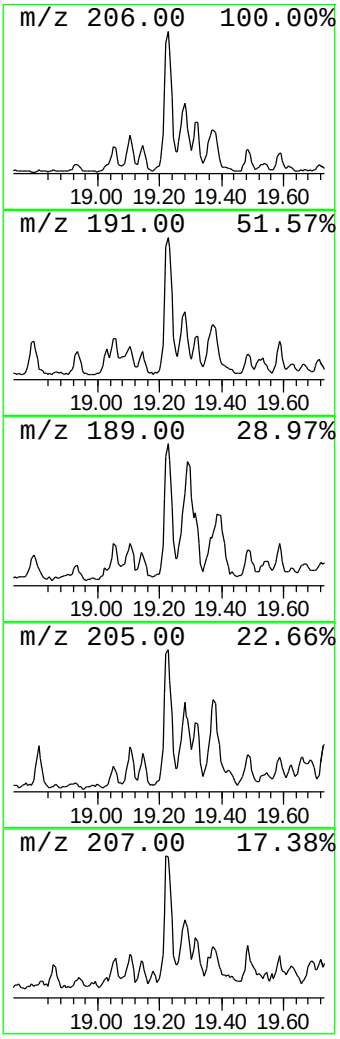
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	12.99 ng/ul	334566	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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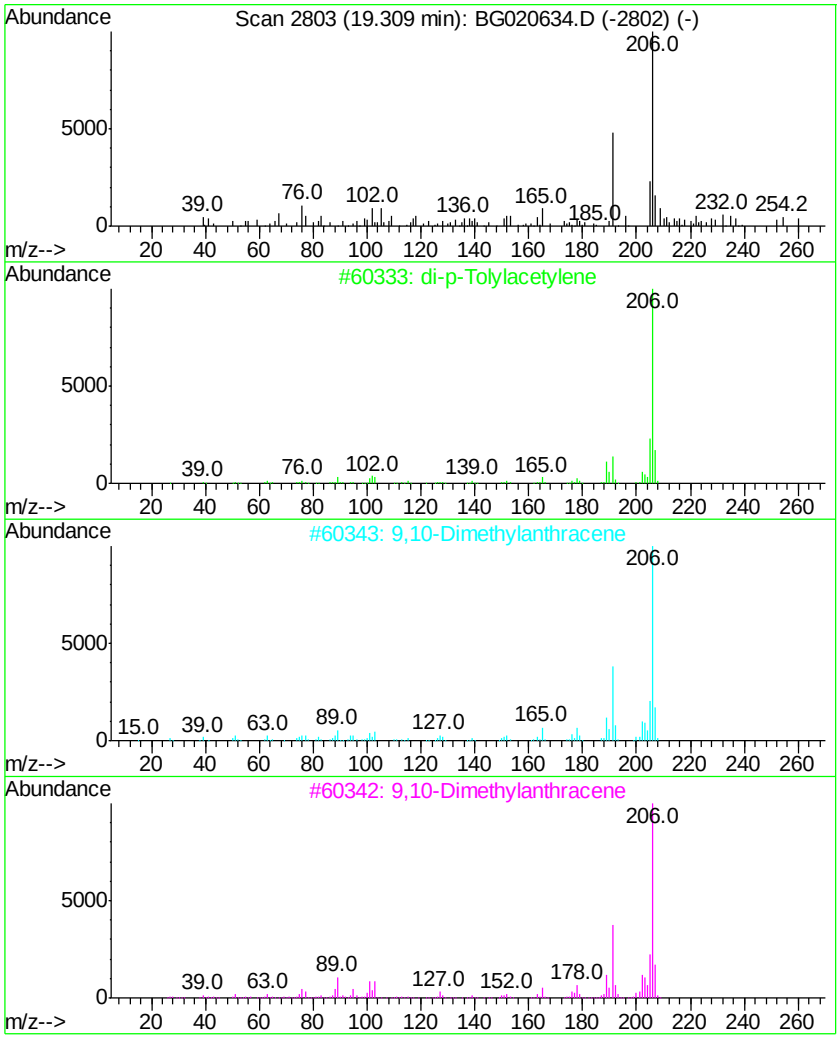
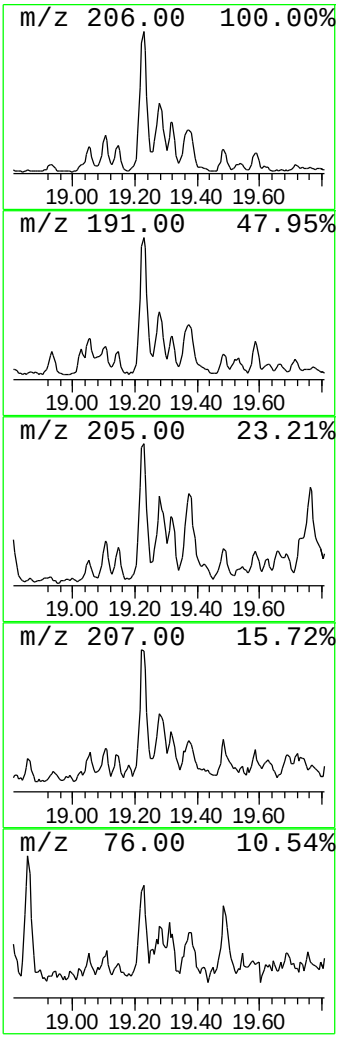
Peak Number 17 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.71 ng/ul	69689	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	74





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Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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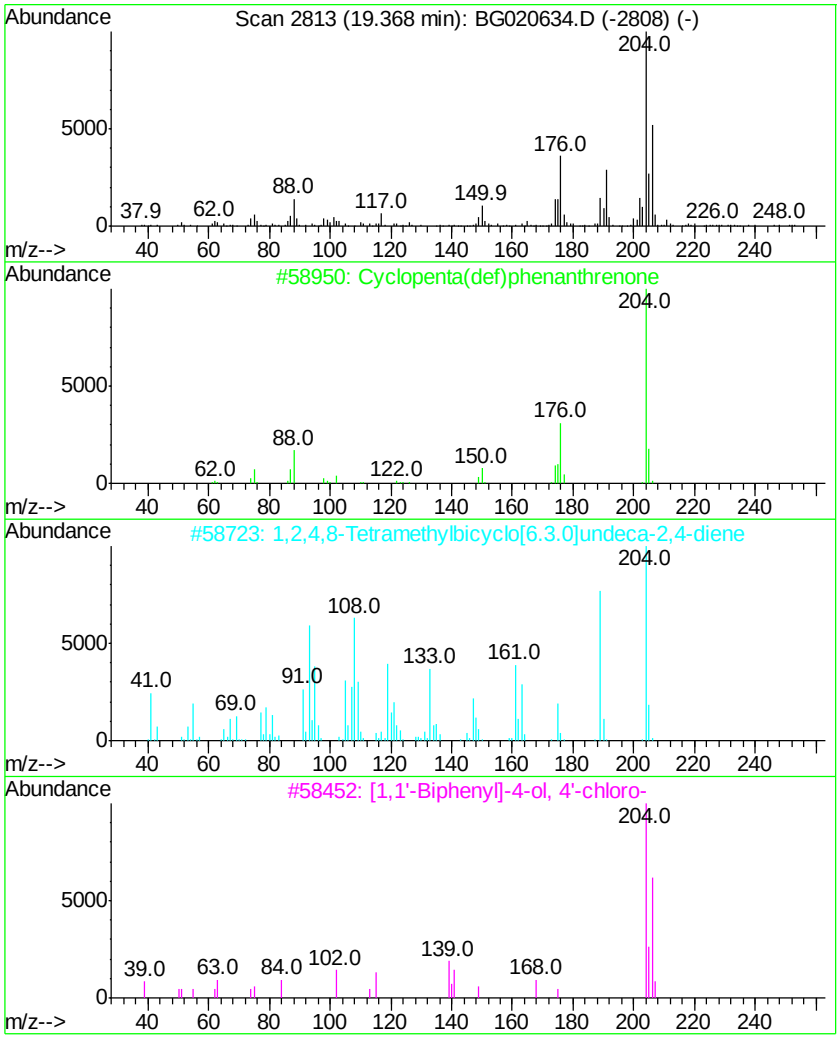
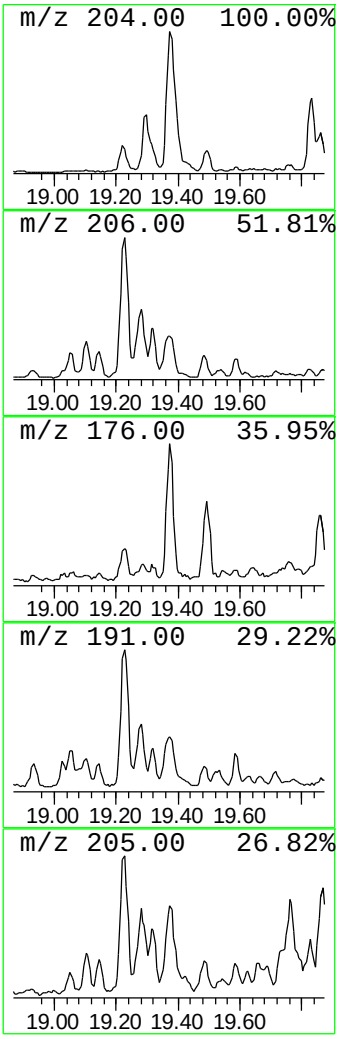
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	12.31 ng/ul	317116	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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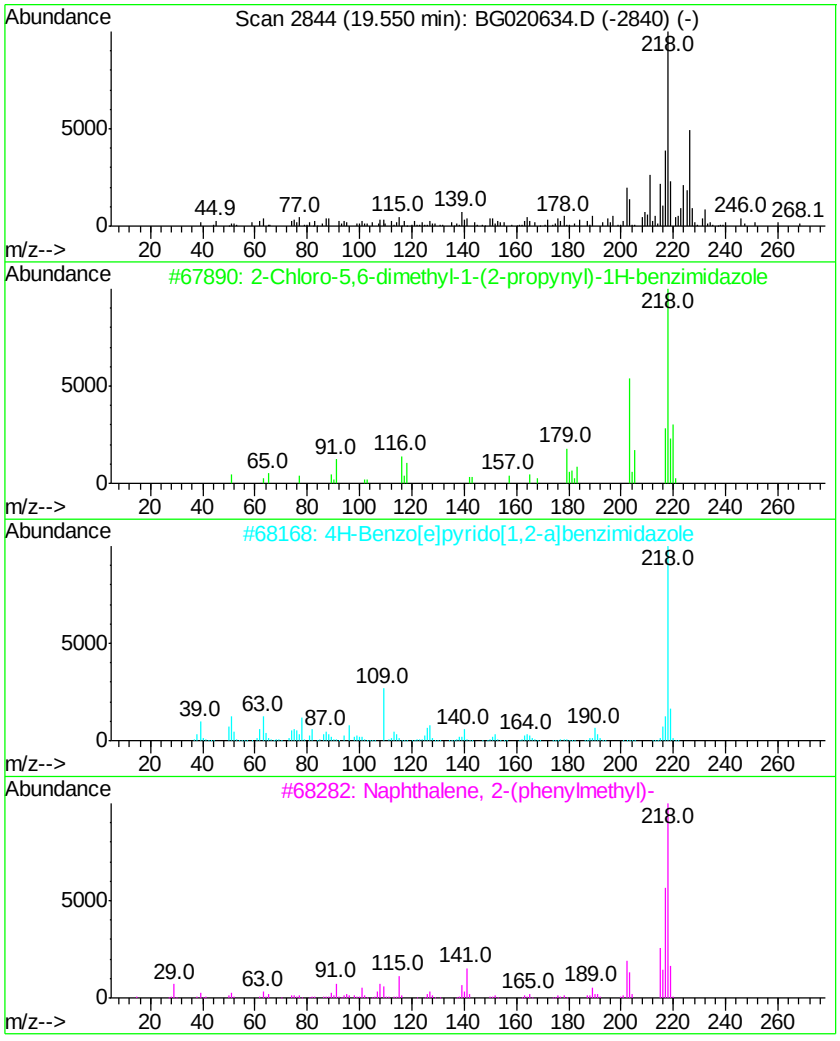
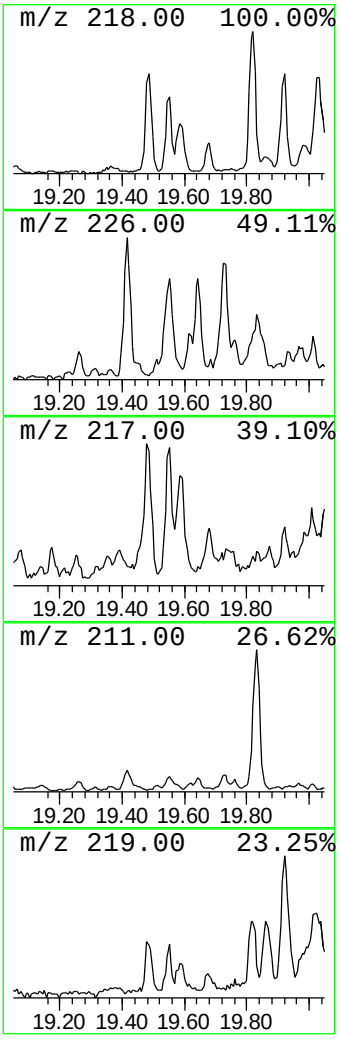
Peak Number 19 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	2.74 ng/ul	70632	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	32
2	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	30
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	30
4	1H-Benzo[a]perimidine	218	C15H10N2	000200-42-0	27
5	Isoquinoline, 1-(phenylmethyl)-	219	C16H13N	006907-59-1	27





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Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

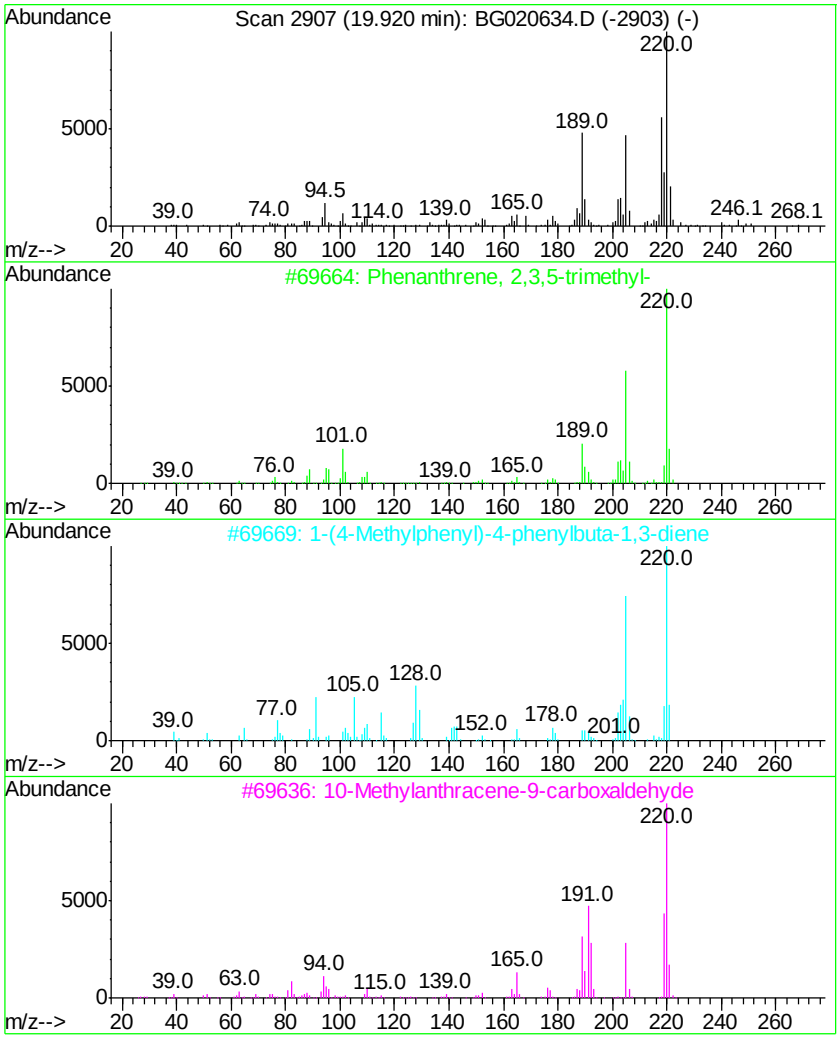
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

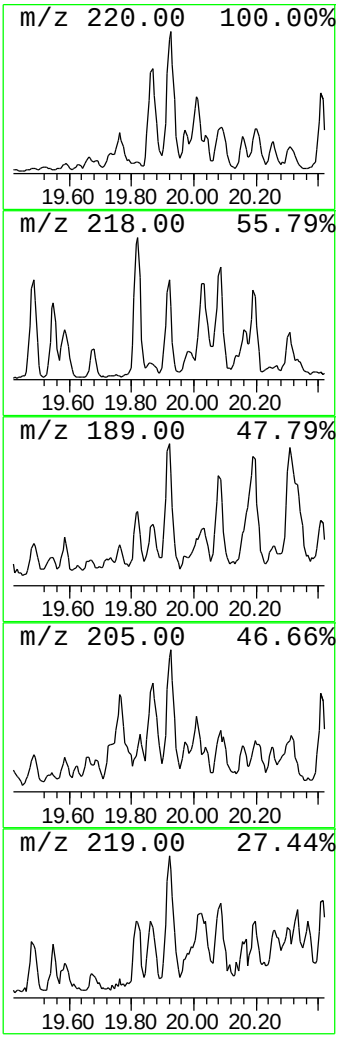
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.03 ng/ul	187271	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	58
3	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	46
4	1-Hydroxypyrene	218	C16H10O	005315-79-7	38
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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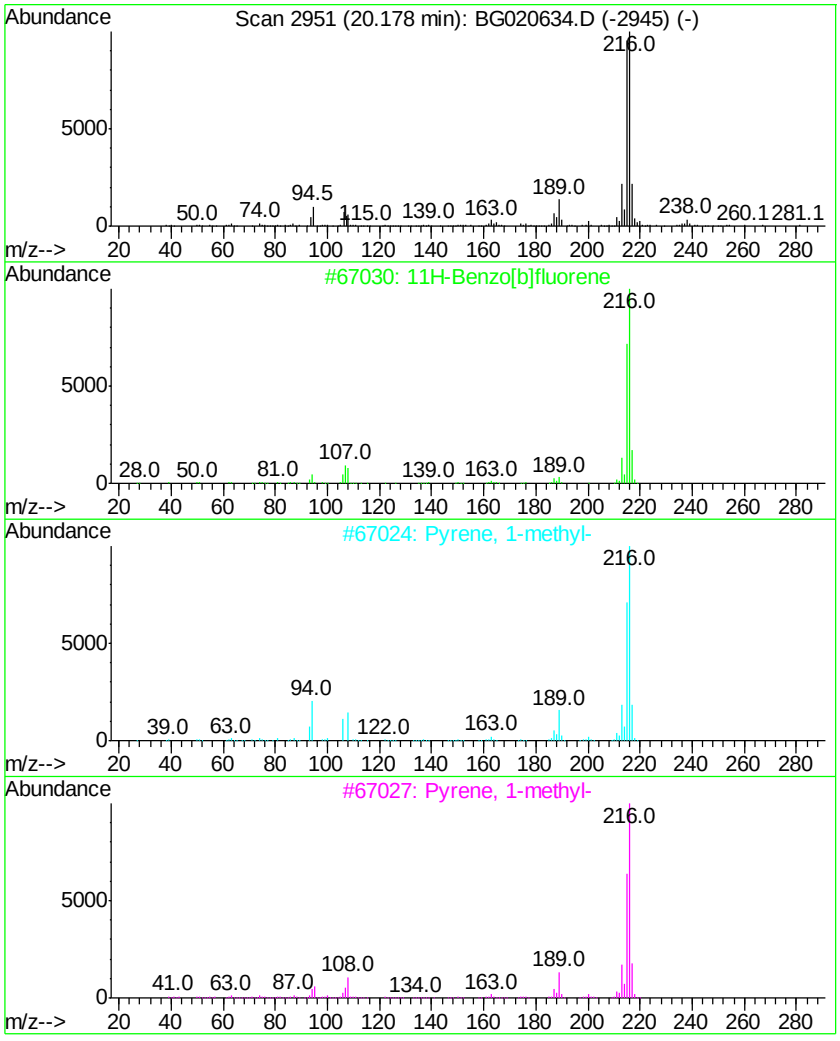
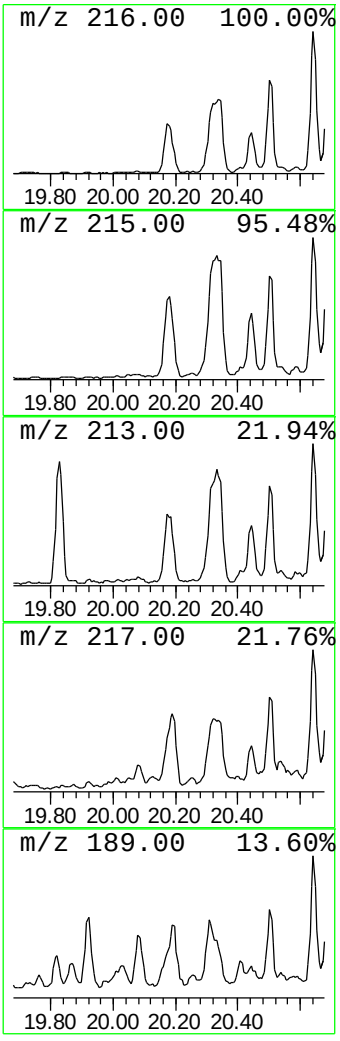
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	4.39 ng/ul	404692	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Library Search Compound Report

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Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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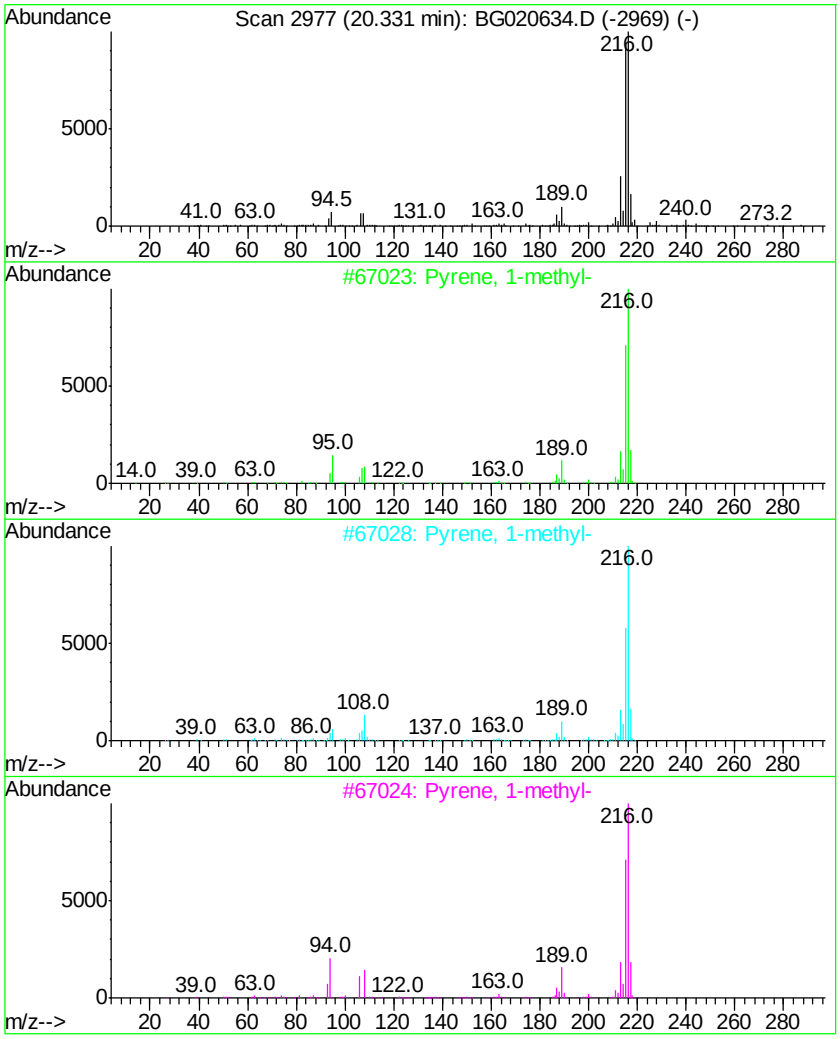
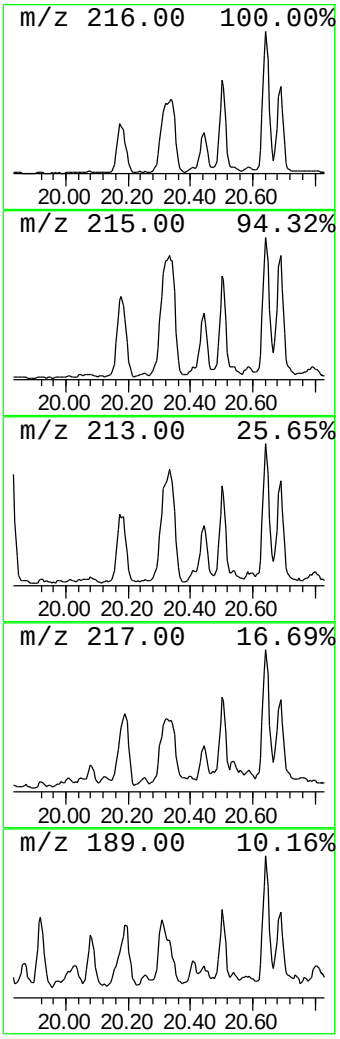
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	7.46 ng/ul	687721	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

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Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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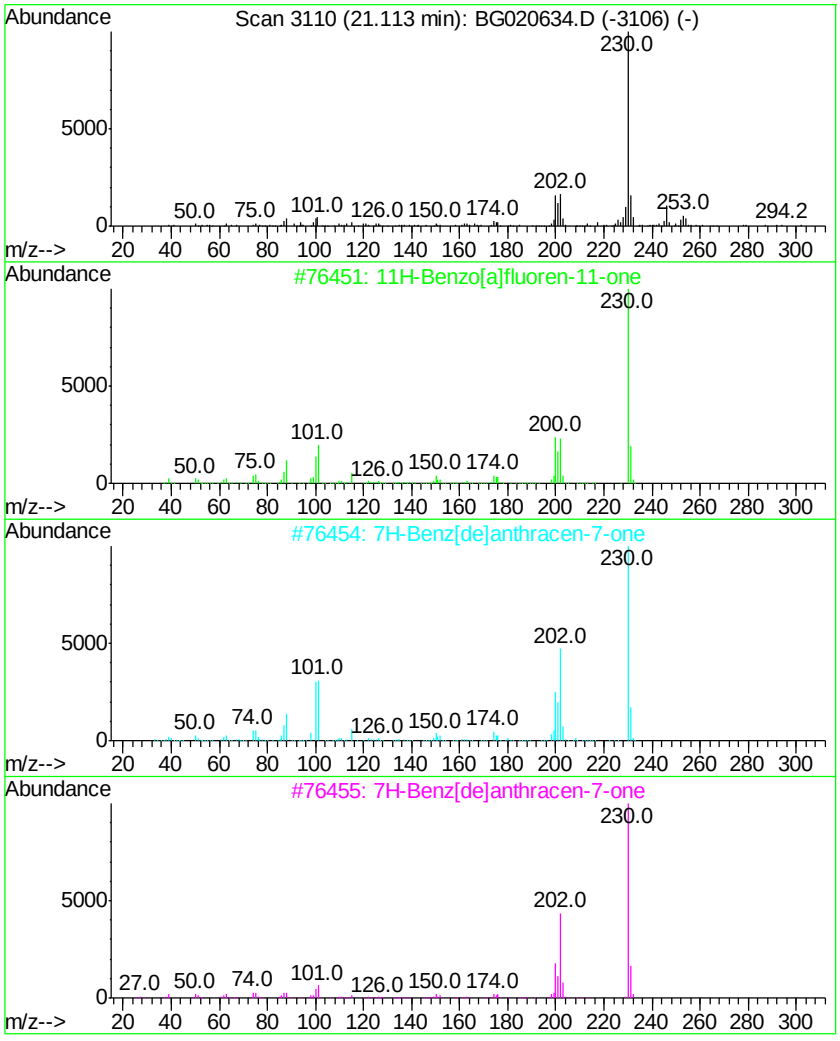
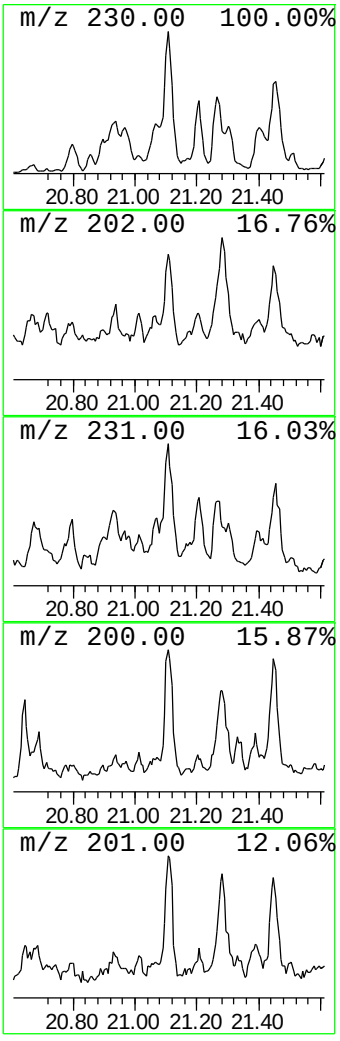
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.75 ng/ul	253186	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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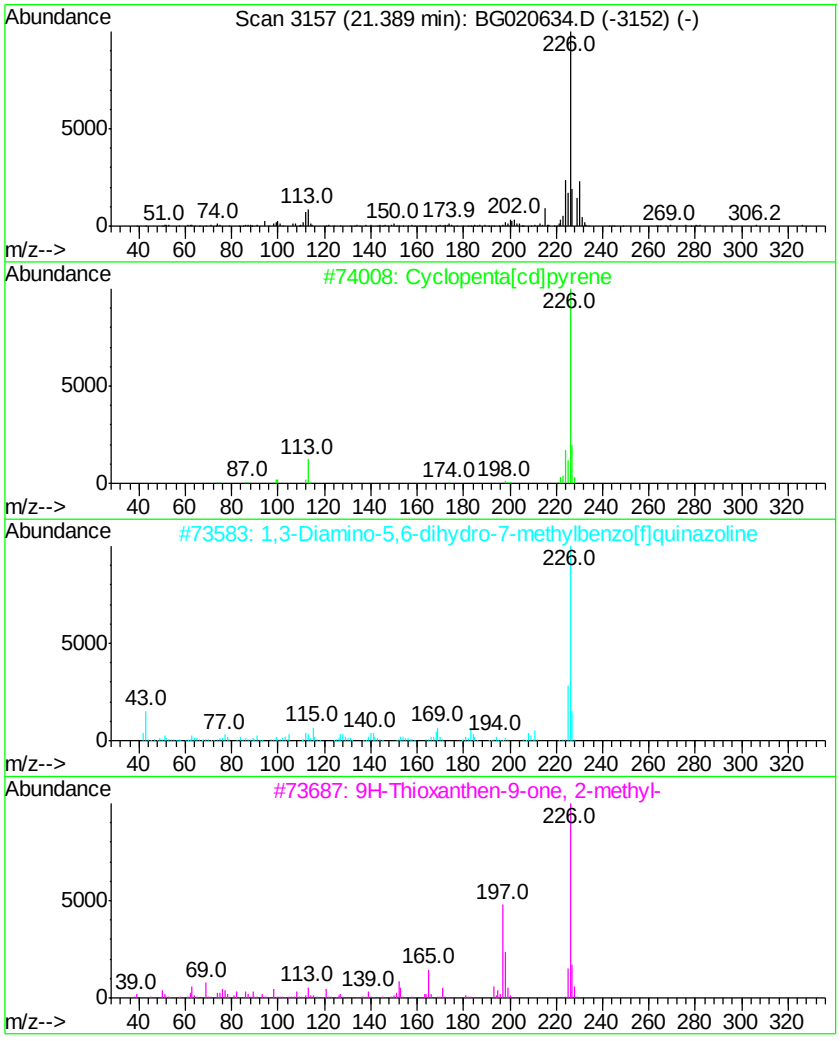
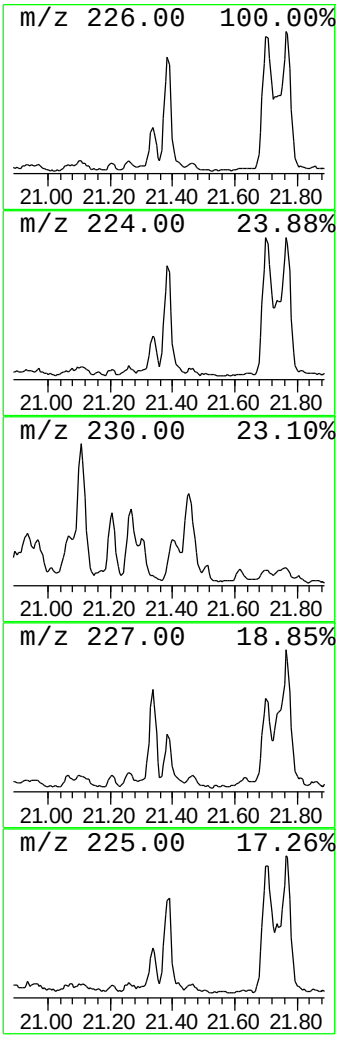
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.30 ng/ul	212084	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37
5	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	37





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Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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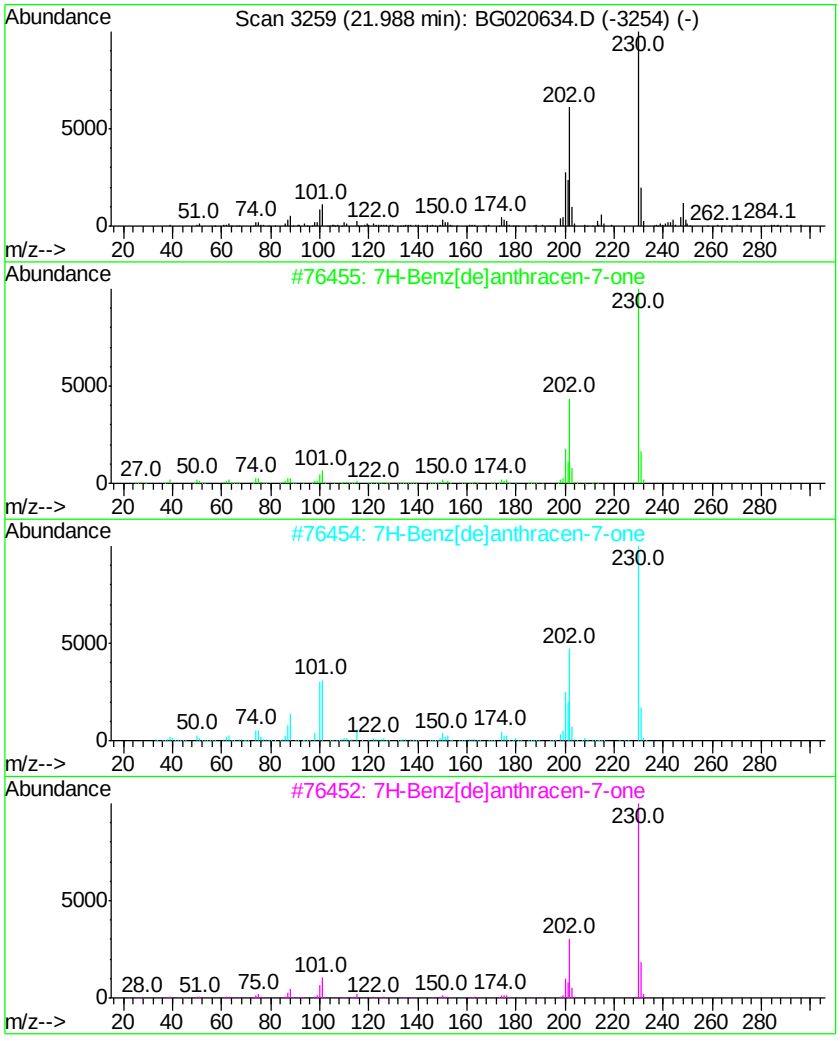
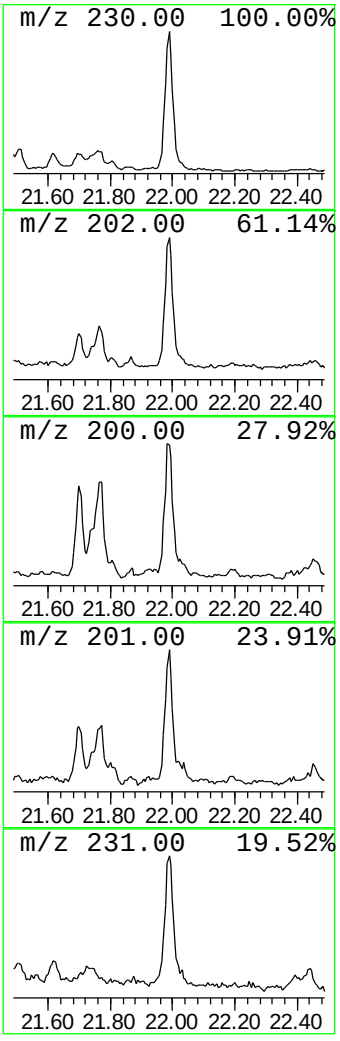
Peak Number 28 7H-Benz[de]anthracen-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	5.12 ng/ul	472061	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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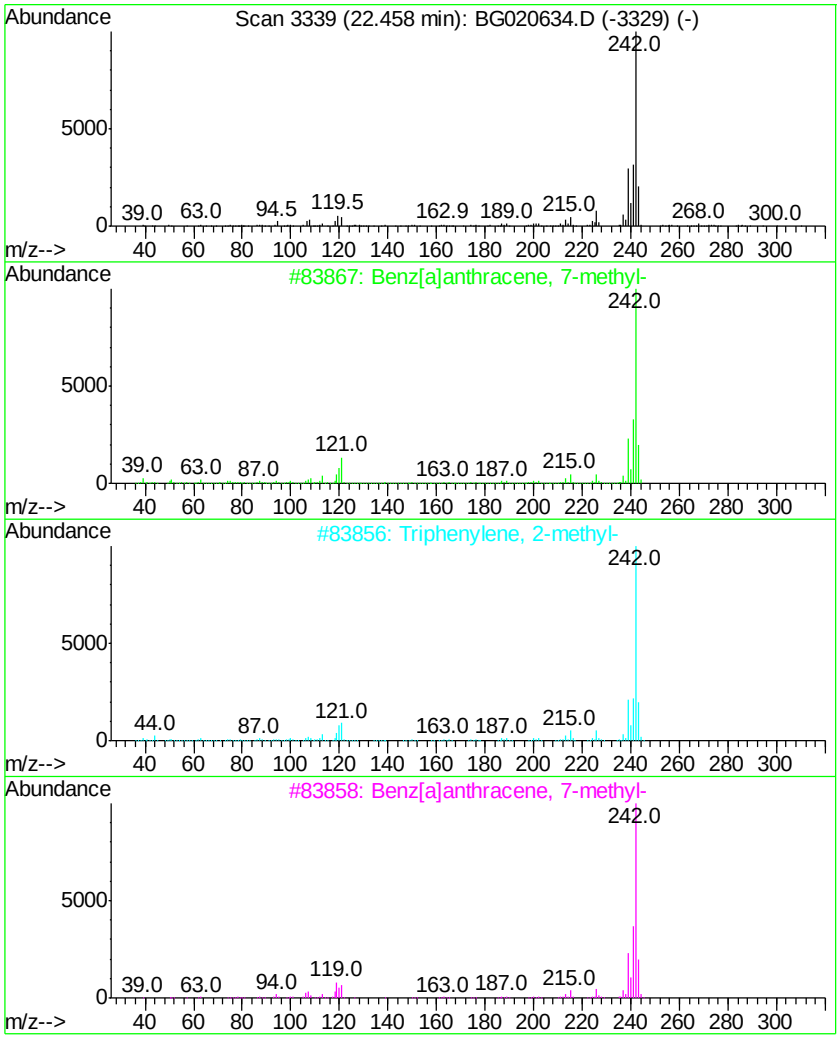
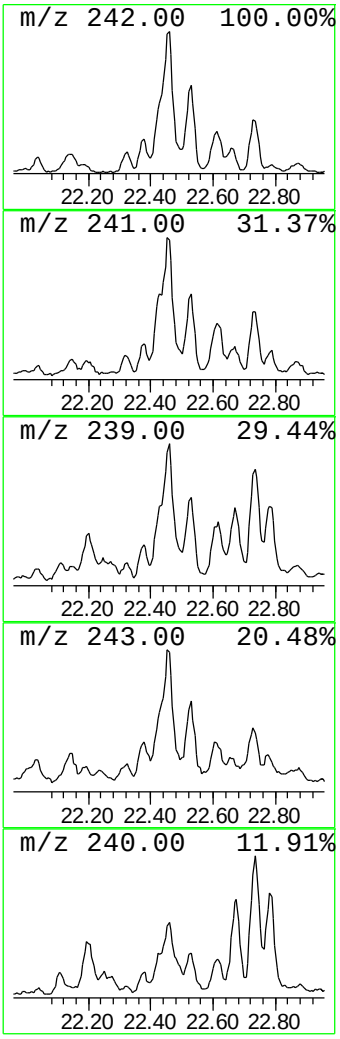
Peak Number 29 Benz[a]anthracene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.46	6.18 ng/ul	569482	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	90
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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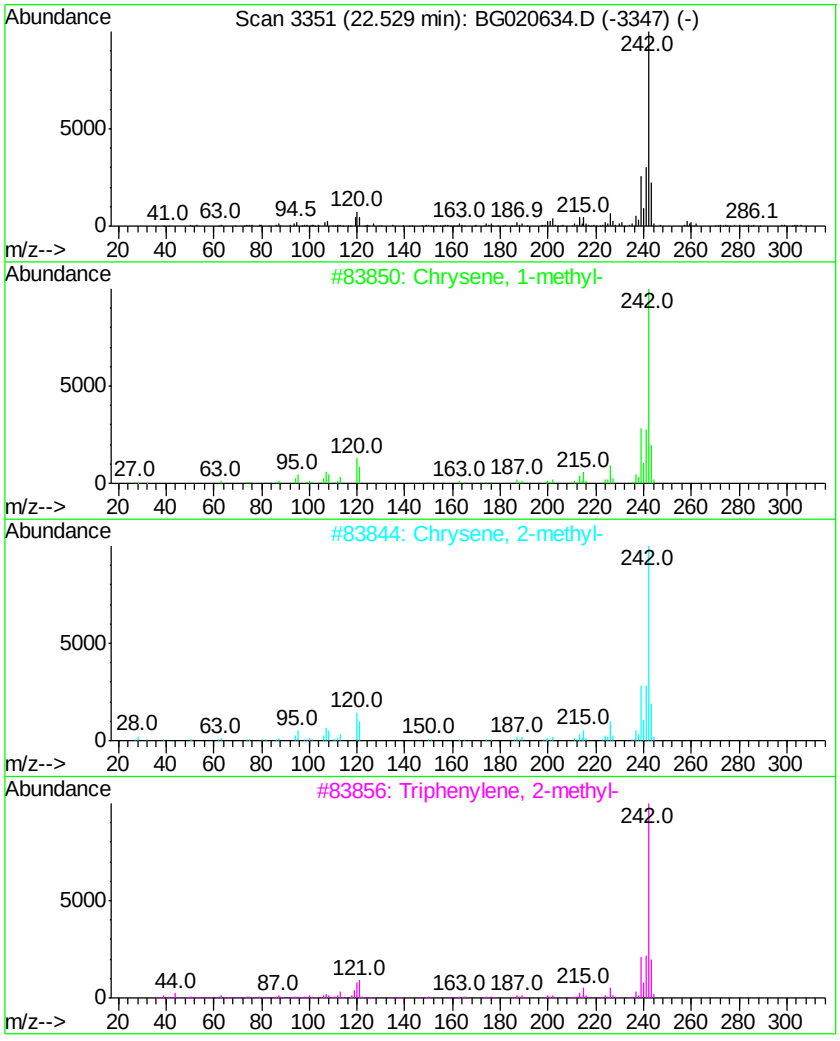
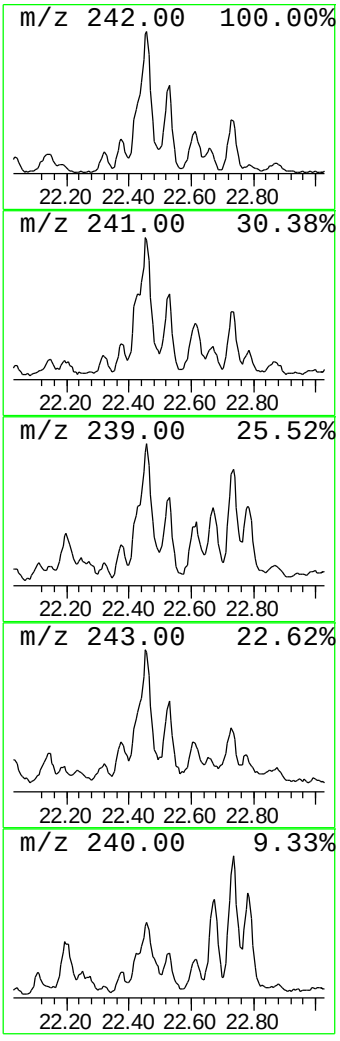
Peak Number 30 Chrysene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	2.55 ng/ul	235232	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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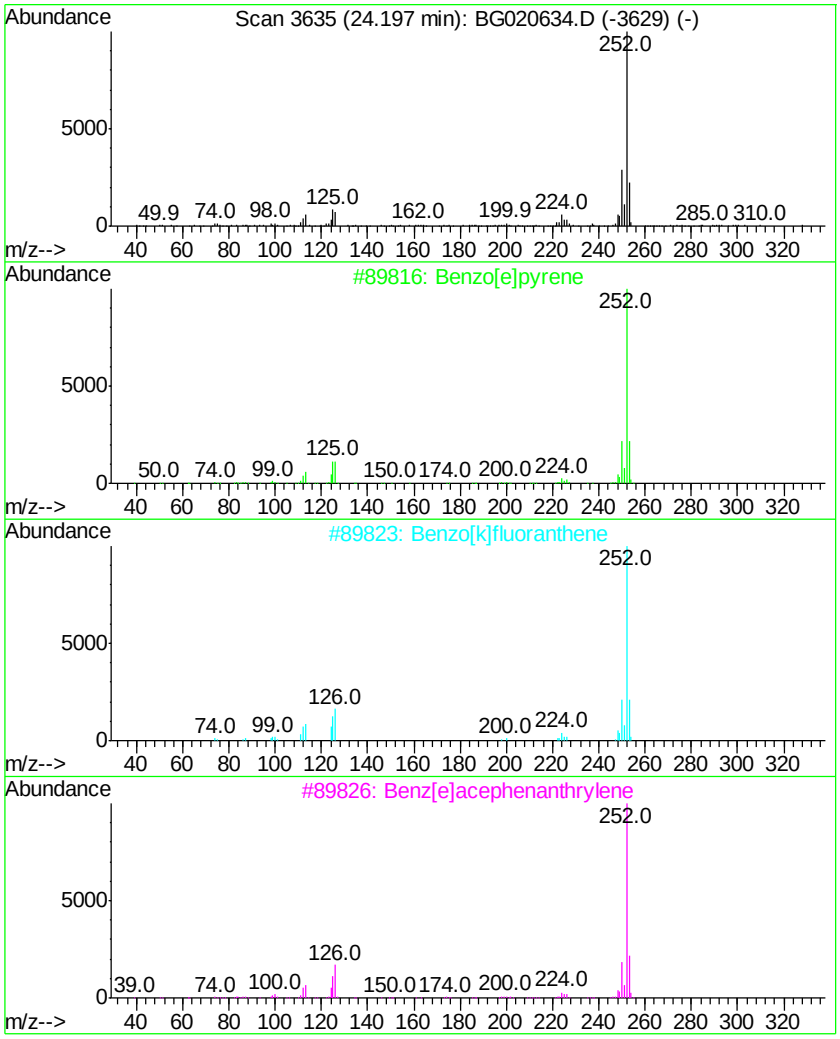
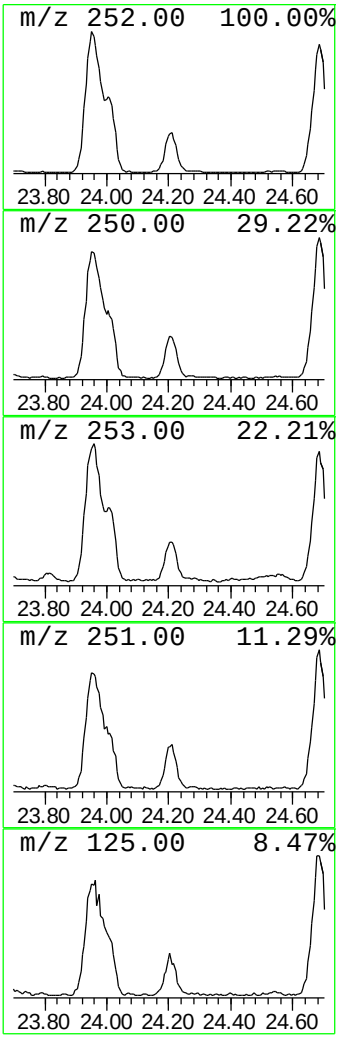
Peak Number 31 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	8.30 ng/ul	295697	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87





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Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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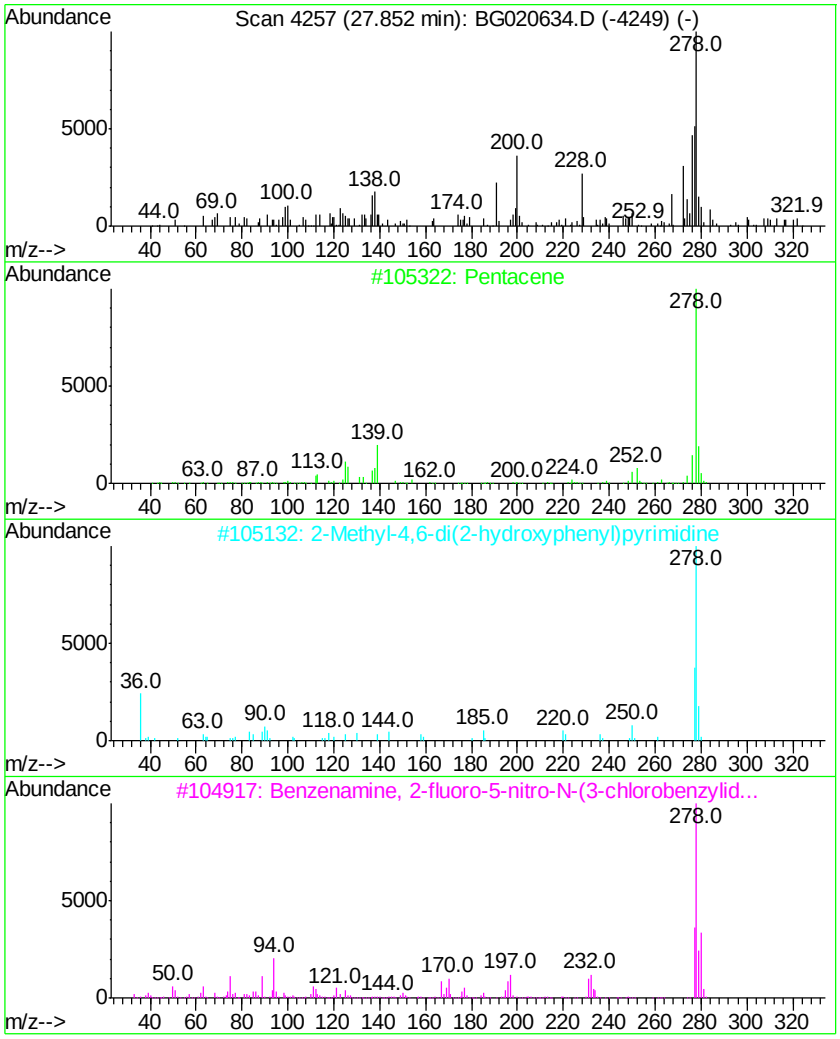
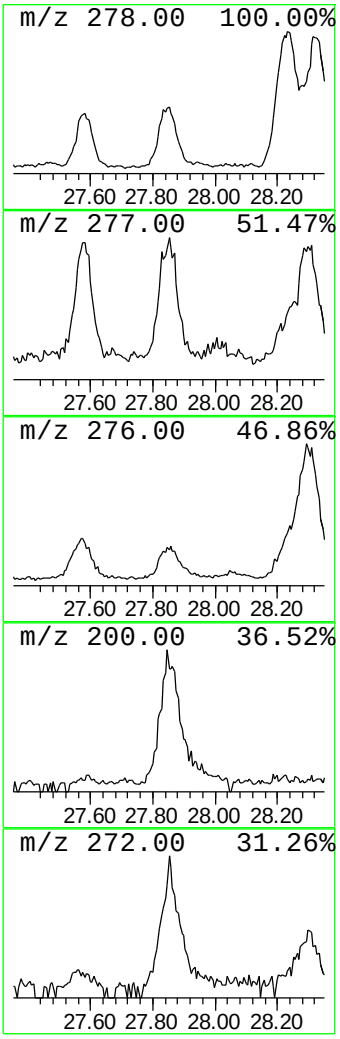
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.85	4.81 ng/ul	171348	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	42
2	2-Methyl-4,6-di(2-hydroxyphenyl)...	278	C17H14N2O2	1000070-55-8	38
3	Benzenamine, 2-fluoro-5-nitro-N-...	278	C13H8ClFN2O2	304478-89-5	35
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	30
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020634.D
Acq On : 31 Dec 2015 10:04
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D89DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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
Ether, p-methylbe...	13.59	2.3	ng/ul	49495	3	14.70	429637	20.0
Naphthalene, 2,6-...	14.02	2.2	ng/ul	47333	3	14.70	429637	20.0
Naphthalene, 1,4,...	15.30	2.0	ng/ul	43293	3	14.70	429637	20.0
Naphthalene, 1,2,...	16.75	2.1	ng/ul	53542	4	17.44	515089	20.0
(DEL) Alkane: Str...	17.17	2.1	ng/ul	54100	4	17.44	515089	20.0
(DEL) Alkane: Str...	17.91	2.9	ng/ul	74246	4	17.44	515089	20.0
Dibenzothiophene,...	18.02	2.3	ng/ul	59485	4	17.44	515089	20.0
Anthracene, 1-met...	18.32	7.2	ng/ul	184497	4	17.44	515089	20.0
Phenanthrene, 2-m...	18.36	7.3	ng/ul	189417	4	17.44	515089	20.0
5H-Dibenzo[a,d]cy...	18.51	14.7	ng/ul	379135	4	17.44	515089	20.0
Anthracene, 2-met...	18.55	4.7	ng/ul	120762	4	17.44	515089	20.0
9,10-Anthracenedione	18.86	4.8	ng/ul	123253	4	17.44	515089	20.0
9,10-Dimethylanth...	19.23	13.0	ng/ul	334566	4	17.44	515089	20.0
di-p-Tolylacetylene	19.31	2.7	ng/ul	69689	4	17.44	515089	20.0
Cyclopenta(def)ph...	19.37	12.3	ng/ul	317116	4	17.44	515089	20.0
unknown-01	19.55	2.7	ng/ul	70632	4	17.44	515089	20.0
Phenanthrene, 2,3...	19.92	2.0	ng/ul	187271	5	21.72	1843640	20.0
11H-Benzo[b]fluorene	20.18	4.4	ng/ul	404692	5	21.72	1843640	20.0
Pyrene, 1-methyl-	20.33	7.5	ng/ul	687721	5	21.72	1843640	20.0
11H-Benzo[a]fluor...	21.11	2.8	ng/ul	253186	5	21.72	1843640	20.0
Cyclopenta[cd]pyrene	21.39	2.3	ng/ul	212084	5	21.72	1843640	20.0
7H-Benz[de]anthra...	21.99	5.1	ng/ul	472061	5	21.72	1843640	20.0
Benz[a]anthracene...	22.46	6.2	ng/ul	569482	5	21.72	1843640	20.0
Chrysene, 1-methyl-	22.53	2.5	ng/ul	235232	5	21.72	1843640	20.0
Benzo[e]pyrene	24.20	8.3	ng/ul	295697	6	24.99	712528	20.0
(DEL) Alkane: Str...	27.85	4.8	ng/ul	171348	6	24.99	712528	20.0