LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

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-BG111615.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.041	29	34	43	rBV2	23755	47731	3.22%	0.298%
2	3.123	43	48	55	rVB	72794	104854	7.07%	0.654%
3	8.117	891	898	904	rBV	81681	137343	9.26%	0.857%
4	10.561	1308	1314	1320	rVB3	13486	20780	1.40%	0.130%
5	10.943	1373	1379	1384	rBV	115874	196464	13.24%	1.225%
6	10.996	1384	1388	1395	rVB	21545	32593	2.20%	0.203%
7	12.594	1654	1660	1667	rBB	22458	35476	2.39%	0.221%
8	12.812	1691	1697	1703	rBV	19314	29657	2.00%	0.185%
9	13.928	1880	1887	1894	rBV4	9010	21954	1.48%	0.137%
10	14.075	1907	1912	1916	rBV3	21085	34076	2.30%	0.213%
11	14.145	1916	1924	1929	rVV2	31726	59486	4.01%	0.371%
12	14.192	1929	1932	1938	rVB	15102	20616	1.39%	0.129%
13	14.310	1947	1952	1956	rBV2	12607	18065	1.22%	0.113%
14	14.451	1968	1976	1986	rBV3	25974	53415	3.60%	0.333%
15	14.756	2022	2028	2034	rVV2	209409	336557	22.69%	2.099%
16	14.815	2034	2038	2044	rVV	54774	89395	6.03%	0.558%
17	14.950	2056	2061	2070	rVV6	15766	32397	2.18%	0.202%
18	15.056	2072	2079	2084	rVV4	9862	20939	1.41%	0.131%
19	15.150	2088	2095	2101	rVV2	43063	70677	4.76%	0.441%
20	15.532	2150	2160	2164	rBV4	8508	18498	1.25%	0.115%
21	15.738	2191	2195	2200	rVV2	34427	53103	3.58%	0.331%
22	15.796	2200	2205	2211	rVV2	90026	132304	8.92%	0.825%
23	15.896	2218	2222	2223	rVV3	11808	18126	1.22%	0.113%
24	15.920	2223	2226	2229	rVV	21227	30908	2.08%	0.193%
25	15.955	2229	2232	2237	rVV4	18498	28142	1.90%	0.176%
26	16.049	2244	2248	2251	rVV5	11334	20592	1.39%	0.128%
27	16.084	2251	2254	2261	rVV3	17870	31450	2.12%	0.196%
28	16.231	2275	2279	2287	rVV2	17426	37830	2.55%	0.236%
29	16.466	2315	2319	2326	rVB6	9875	17990	1.21%	0.112%
30	16.772	2364	2371	2373	rBV4	22180	41949	2.83%	0.262%
31	16.848	2379	2384	2389	rVB4	19958	33636	2.27%	0.210%
32	16.948	2398	2401	2406	rVB2	14279	18236	1.23%	0.114%
33	17.066	2417	2421	2424	rVV3	15042	21701	1.46%	0.135%
34	17.148	2428	2435	2441	rBV	51911	76473	5.16%	0.477%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

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-BG111615.M
Title : SVOA CALIBRATION

35	17.224	2441	2448	2449	rBV3	14895	19692	1.33%	0.123%
36	17.242	2449	2451	2458	rVV3	17289	27650	1.86%	0.172%
37	17.312	2458	2463	2469	rVB	69698	100245	6.76%	0.625%
38	17.494	2488	2494	2497	rBV	322096	498355	33.60%	3.108%
39	17.541	2497	2502	2507	rVV	1005079	1483332	100.00%	9.252%
40	17.594	2507	2511	2513	rVV2	54135	80598	5.43%	0.503%
41	17.630	2513	2517	2521	rVV	144870	209780	14.14%	1.308%
42	17.682	2521	2526	2530	rVB4	12773	25043	1.69%	0.156%
43	17.894	2555	2562	2571	rBV2	70184	115914	7.81%	0.723%
44	18.006	2577	2581	2586	rBV	19346	28950	1.95%	0.181%
45	18.076	2587	2593	2602	rVB	46715	73694	4.97%	0.460%
46	18.217	2613	2617	2623	rVB2	23216	43895	2.96%	0.274%
47	18.293	2625	2630	2634	rBV3	17332	26508	1.79%	0.165%
48	18.370	2638	2643	2647	rVV	173243	269795	18.19%	1.683%
49	18.417	2647	2651	2656	rVB	220863	314444	21.20%	1.961%
50	18.493	2656	2664	2669	rBV2	50755	82989	5.59%	0.518%
51	18.564	2669	2676	2679	rVV3	175381	358879	24.19%	2.238%
52	18.599	2679	2682	2687	rVB	126789	168472	11.36%	1.051%
53	18.764	2705	2710	2714	rBV3	13243	21166	1.43%	0.132%
54	18.858	2721	2726	2730	rVV	105643	148754	10.03%	0.928%
55	18.905	2730	2734	2743	rVB2	129429	199445	13.45%	1.244%
56	18.981	2743	2747	2752	rBV2	20937	30092	2.03%	0.188%
57	19.098	2760	2767	2772	rBV3	51406	94382	6.36%	0.589%
58	19.151	2773	2776	2779	rVB	30489	35175	2.37%	0.219%
59	19.192	2779	2783	2787	rVB3	34208	47056	3.17%	0.293%
60	19.275	2791	2797	2802	rBV	97764	174689	11.78%	1.090%
61	19.333	2802	2807	2810	rBV4	31716	63800	4.30%	0.398%
62	19.416	2815	2821	2829	rBV5	60160	126762	8.55%	0.791%
63	19.539	2836	2842	2848	rVB	939573	1265932	85.34%	7.896%
64	19.592	2848	2851	2854	rBV	22709	27556	1.86%	0.172%
65	19.633	2854	2858	2864	rVB4	40495	55990	3.77%	0.349%
66	19.727	2869	2874	2878	rBV4	39928	61034	4.11%	0.381%
67	19.780	2879	2883	2886	rBV	29906	43754	2.95%	0.273%
68	19.868	2892	2898	2900	rBV2	186845	306090	20.64%	1.909%
69	19.897	2900	2903	2910	rVB	798748	1127502	76.01%	7.033%
70	19.962	2910	2914	2920	rVB2	62163	94018	6.34%	0.586%
71	20.074	2921	2933	2938	rBV2	51565	113411	7.65%	0.707%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

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-BG111615.M
Title : SVOA CALIBRATION

72	20.133	2938	2943	2949	rVB2	31965	60969	4.11%	0.380%
73	20.221	2951	2958	2964	rBV2	76619	204827	13.81%	1.278%
74	20.356	2976	2981	2982	rBV4	41765	64925	4.38%	0.405%
75	20.385	2982	2986	2990	rVB	127273	186722	12.59%	1.165%
76	20.485	2999	3003	3006	rVB	58532	72167	4.87%	0.450%
77	20.544	3007	3013	3017	rBV2	95020	142281	9.59%	0.887%
78	20.614	3023	3025	3032	rVB5	21387	35234	2.38%	0.220%
79	20.685	3032	3037	3040	rBV	75801	108502	7.31%	0.677%
80	20.726	3040	3044	3053	rVB	82950	137855	9.29%	0.860%
81	20.943	3076	3081	3082	rBV5	16439	25556	1.72%	0.159%
82	20.973	3083	3086	3089	rVV5	17463	28402	1.91%	0.177%
83	21.149	3111	3116	3123	rVB	88874	146483	9.88%	0.914%
84	21.337	3139	3148	3152	rBV2	75263	181549	12.24%	1.132%
85	21.378	3152	3155	3159	rVV	81220	113968	7.68%	0.711%
86	21.431	3159	3164	3168	rVV2	63977	115109	7.76%	0.718%
87	21.484	3168	3173	3182	rVB2	85549	159436	10.75%	0.994%
88	21.760	3212	3220	3225	rBV2	523911	1380718	93.08%	8.612%
89	21.813	3225	3229	3236	rVB	351822	566878	38.22%	3.536%
90	21.966	3251	3255	3261	rBV3	36805	62016	4.18%	0.387%
91	22.177	3287	3291	3297	rVB4	37171	64426	4.34%	0.402%
92	22.236	3299	3301	3307	rVB6	20975	29578	1.99%	0.184%
93	22.577	3356	3359	3365	rVB2	38646	67931	4.58%	0.424%
94	22.782	3390	3394	3398	rBV4	29344	50418	3.40%	0.314%
95	24.016	3594	3604	3611	rBV2	179287	633256	42.69%	3.950%
96	24.269	3643	3647	3653	rVB	23986	49412	3.33%	0.308%
97	24.751	3721	3729	3737	rBV2	93966	247317	16.67%	1.543%
98	24.898	3747	3754	3765	rVB	148658	407312	27.46%	2.541%
99	25.062	3772	3782	3790	rBV2	234972	680250	45.86%	4.243%
100	28.822	4413	4422	4423	rBV5	44626	100972	6.81%	0.630%

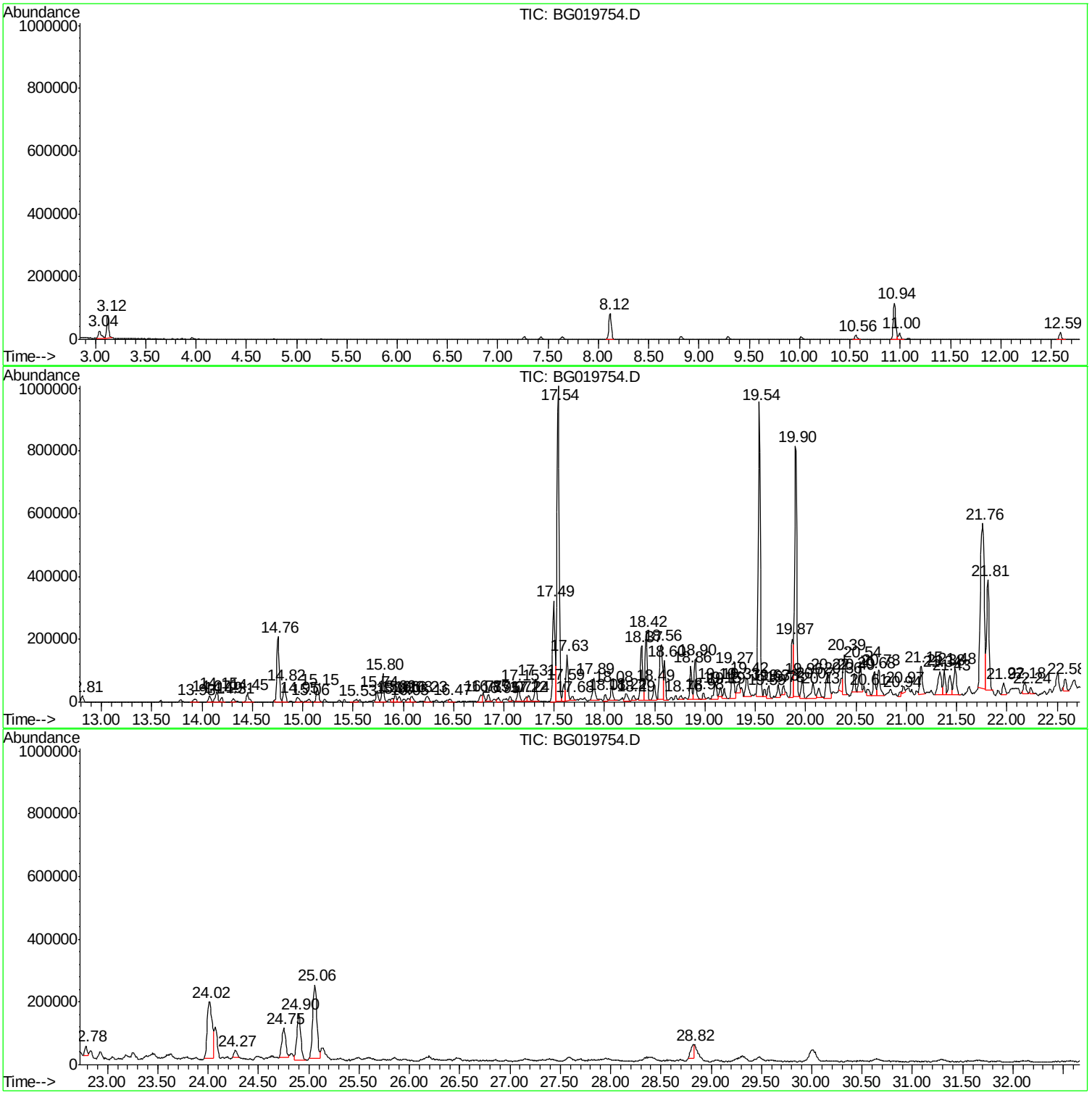
Sum of corrected areas: 16032725

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

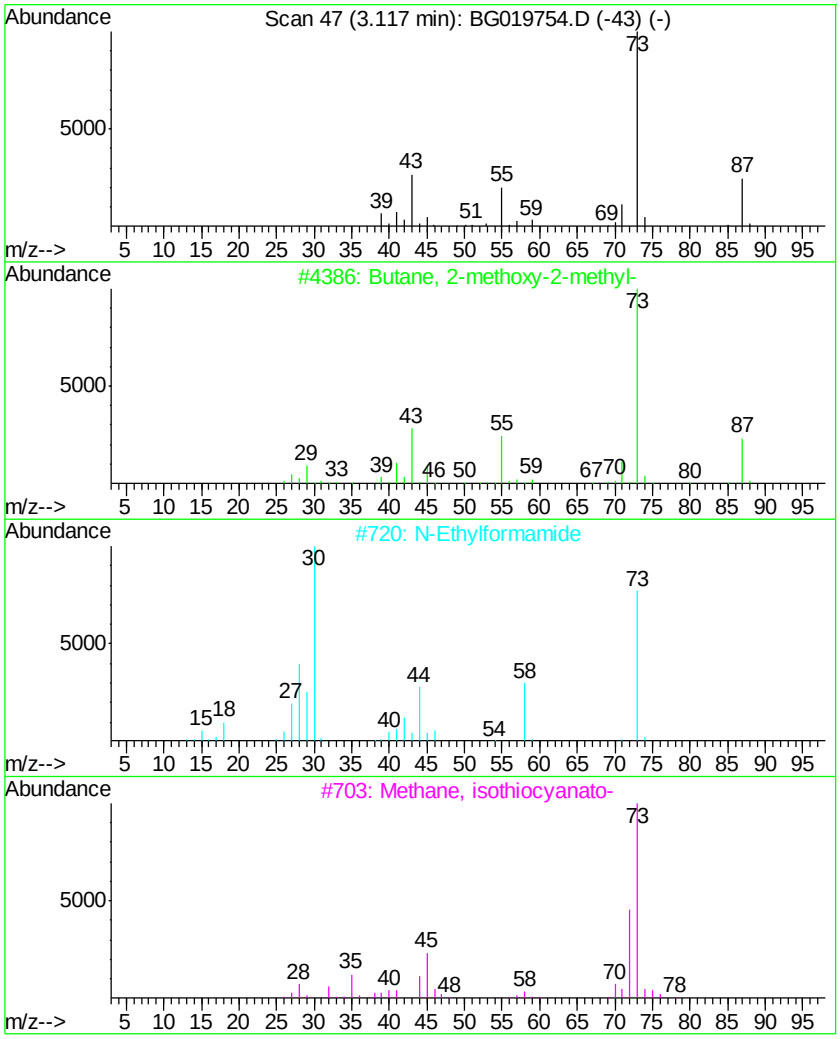
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

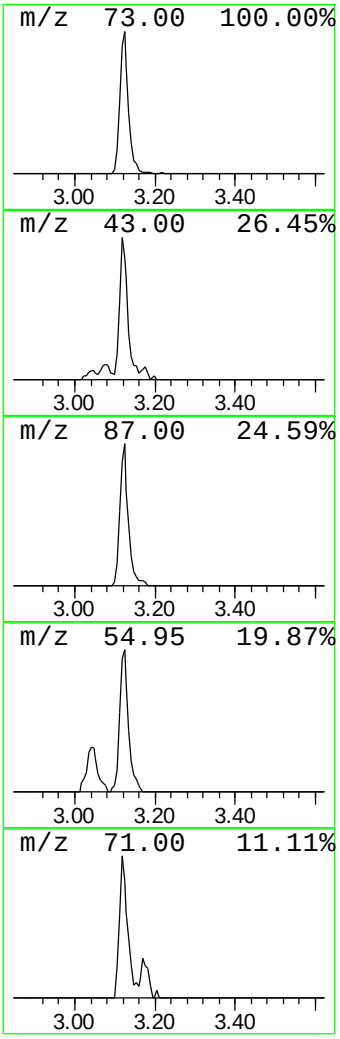
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	15.27 ng/ul	104854	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

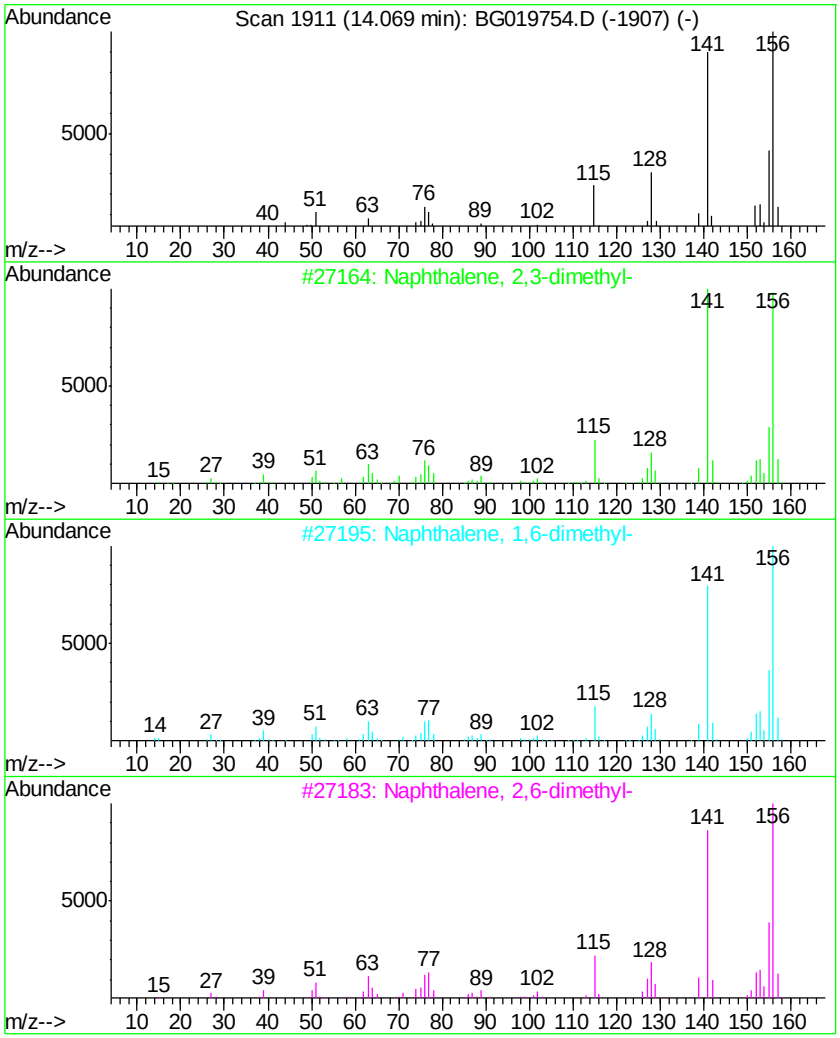
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

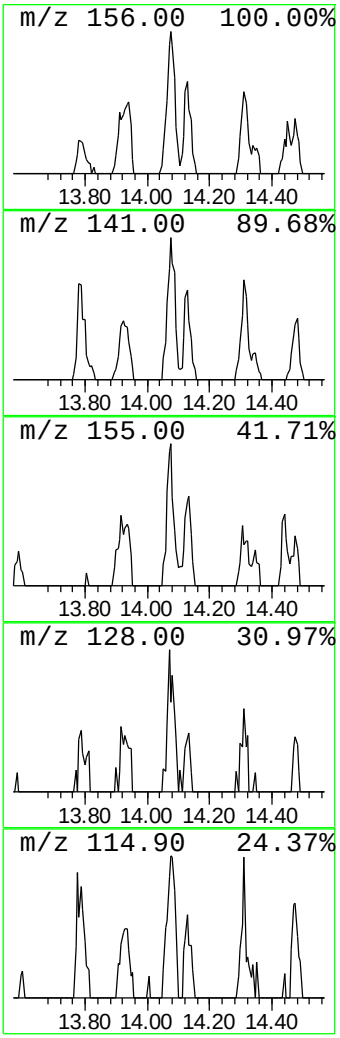
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	2.02 ng/ul	34076	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

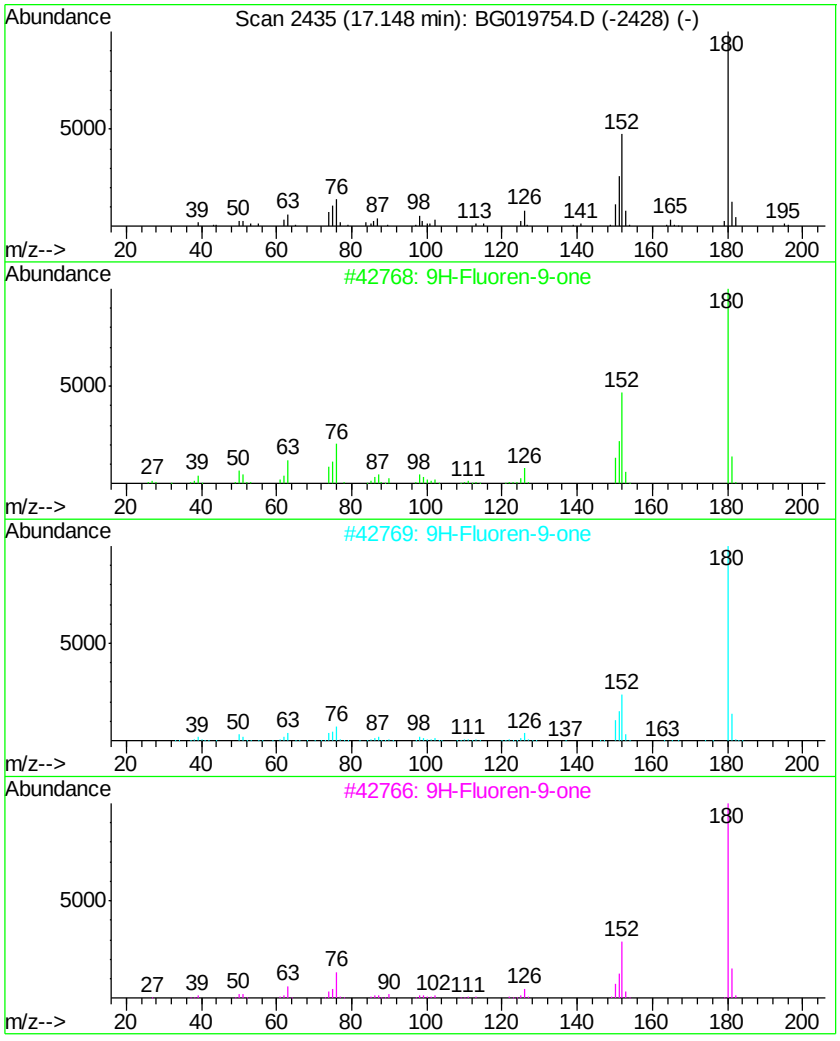
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

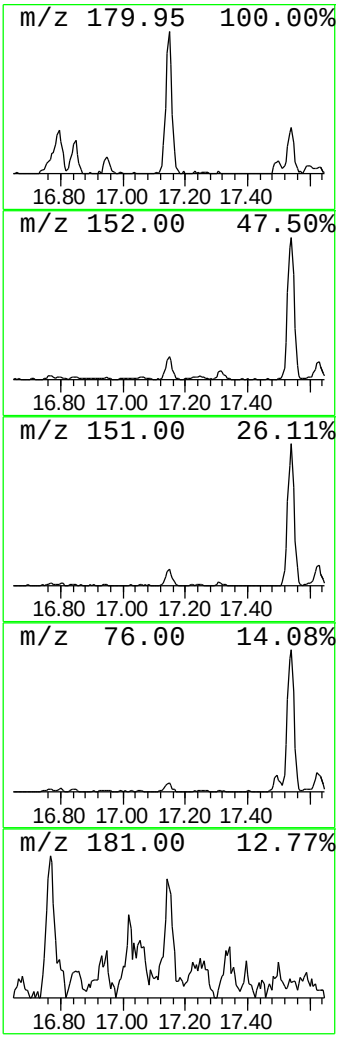
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	3.07 ng/ul	76473	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

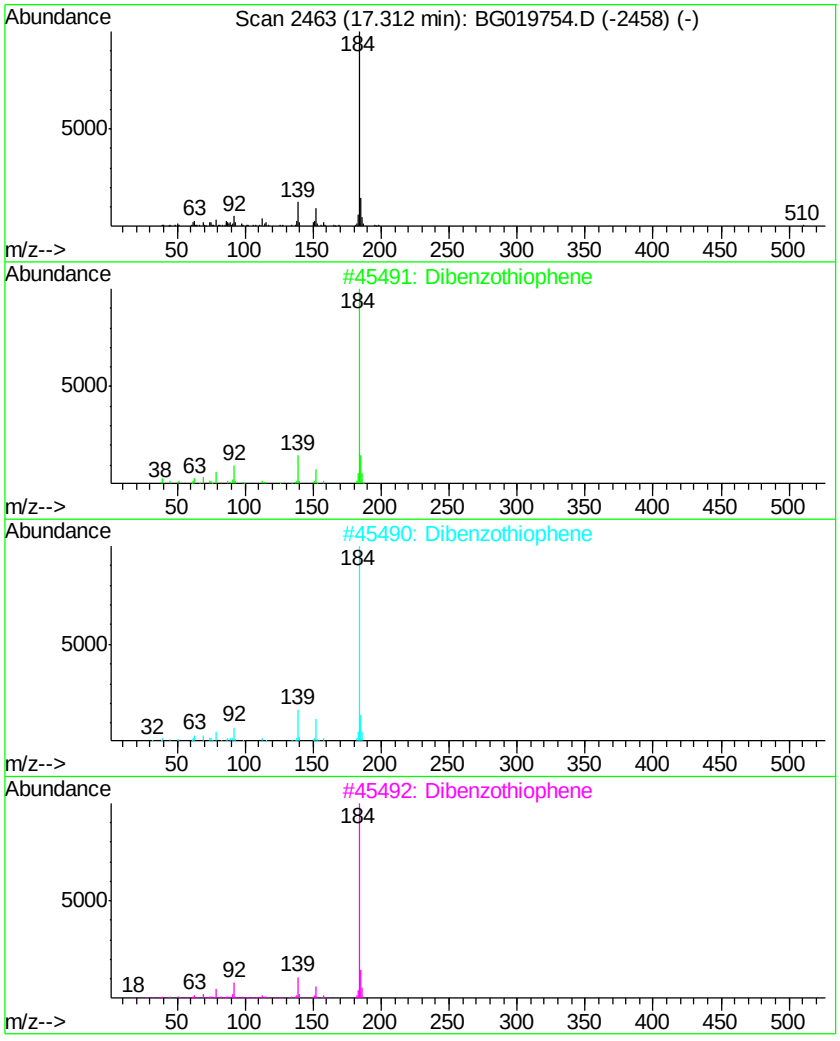
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

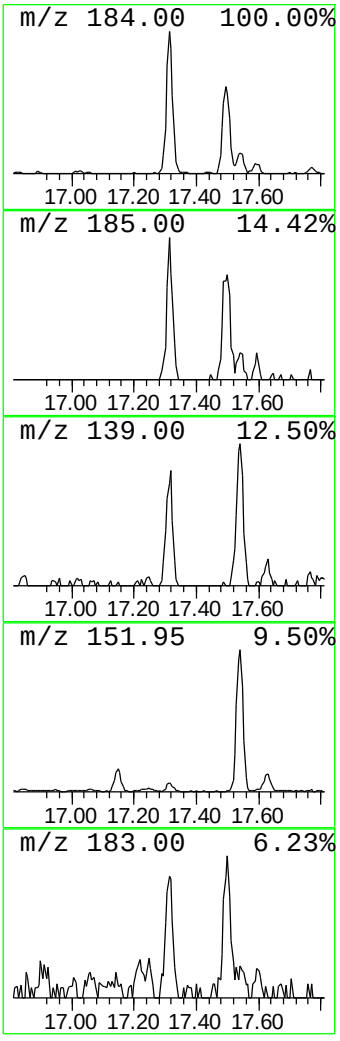
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	4.02 ng/ul	100245	Phenanthrene-d10	17.49

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	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

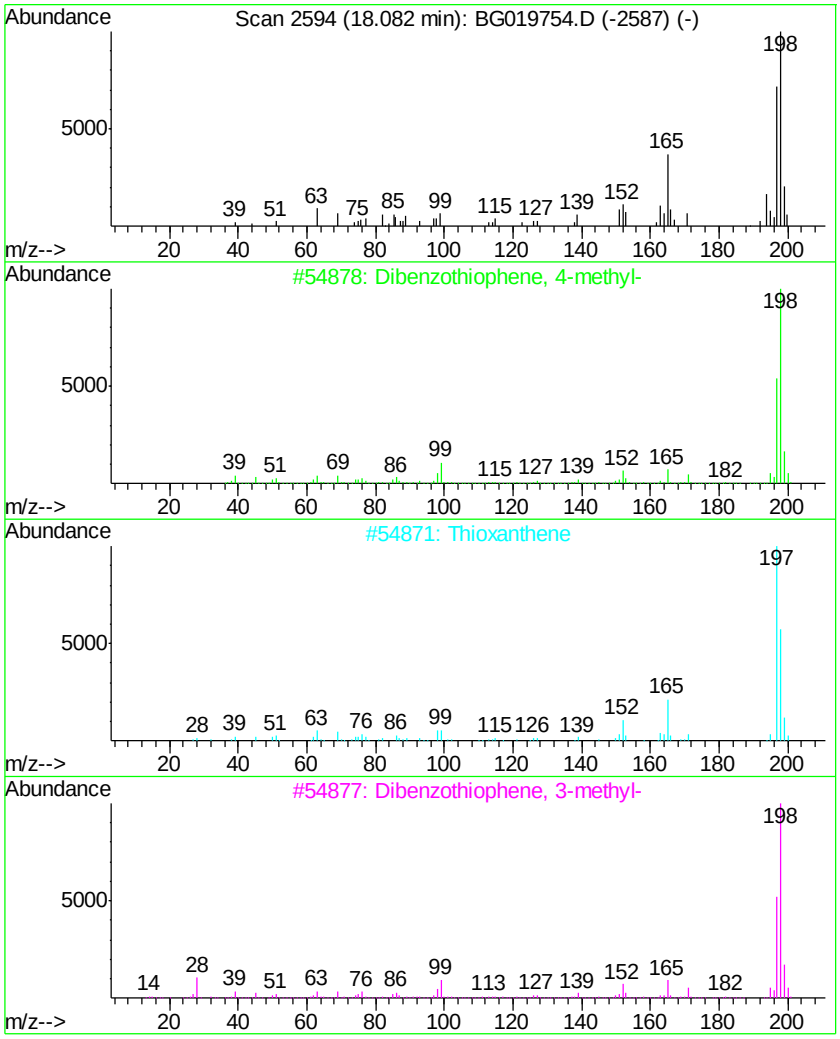
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

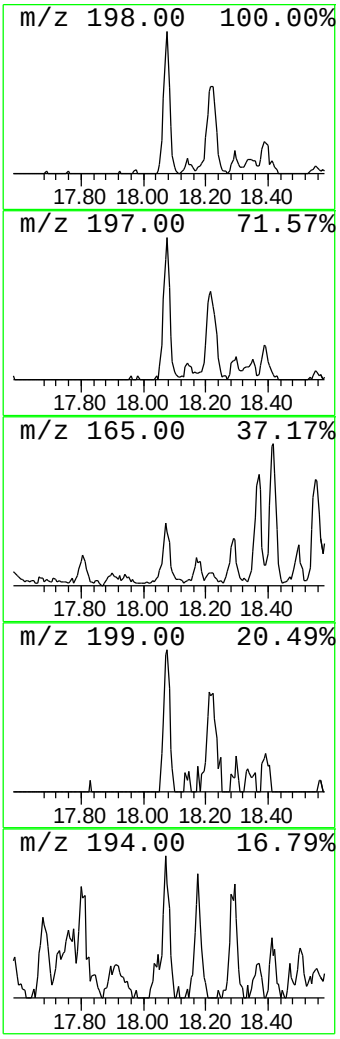
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.96 ng/ul	73694	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
2	Thioxanthene	198	C13H10S	000261-31-4	78
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59





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Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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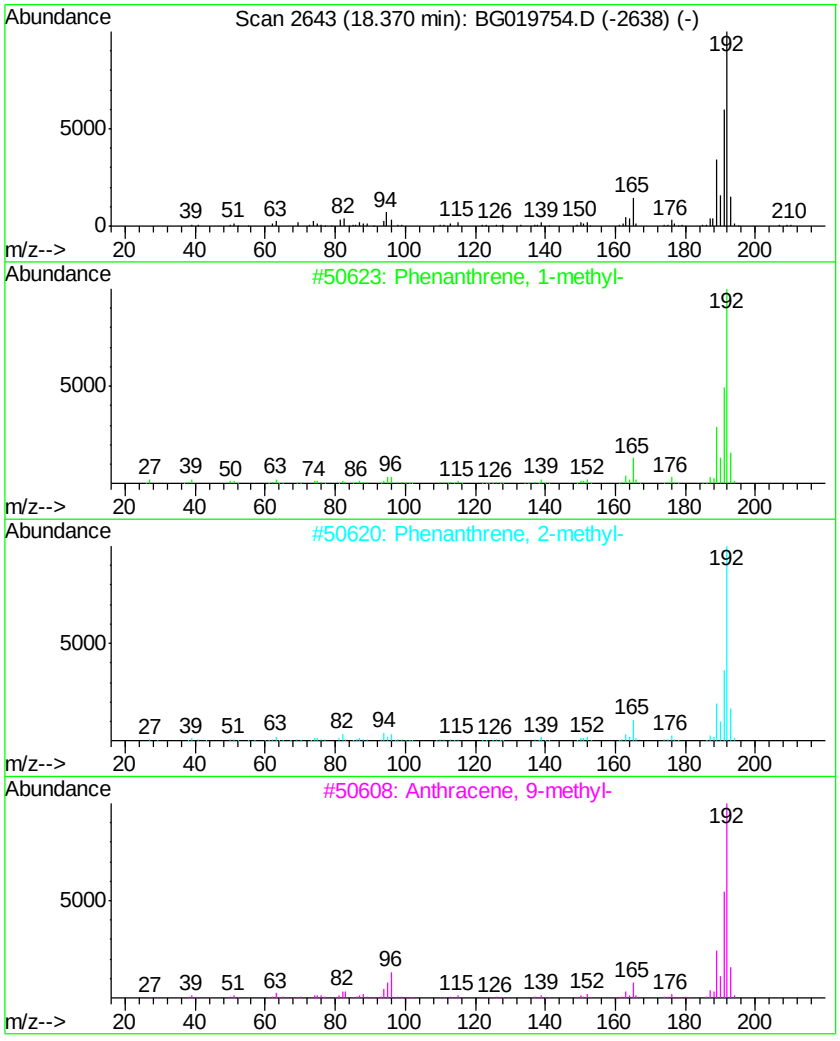
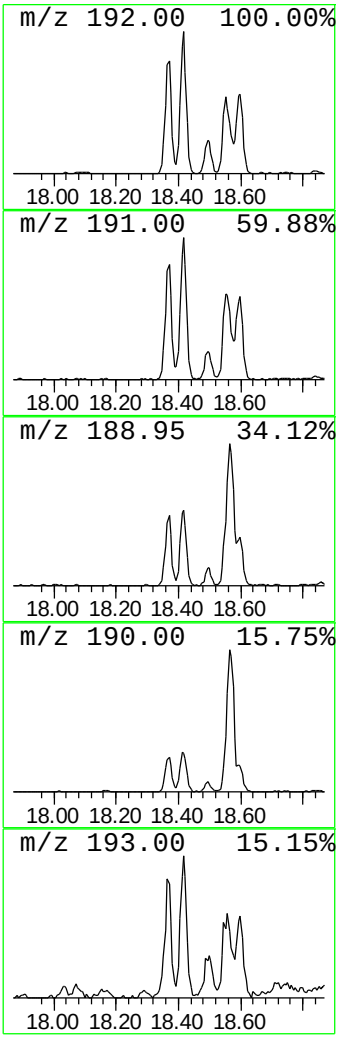
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	10.83 ng/ul	269795	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

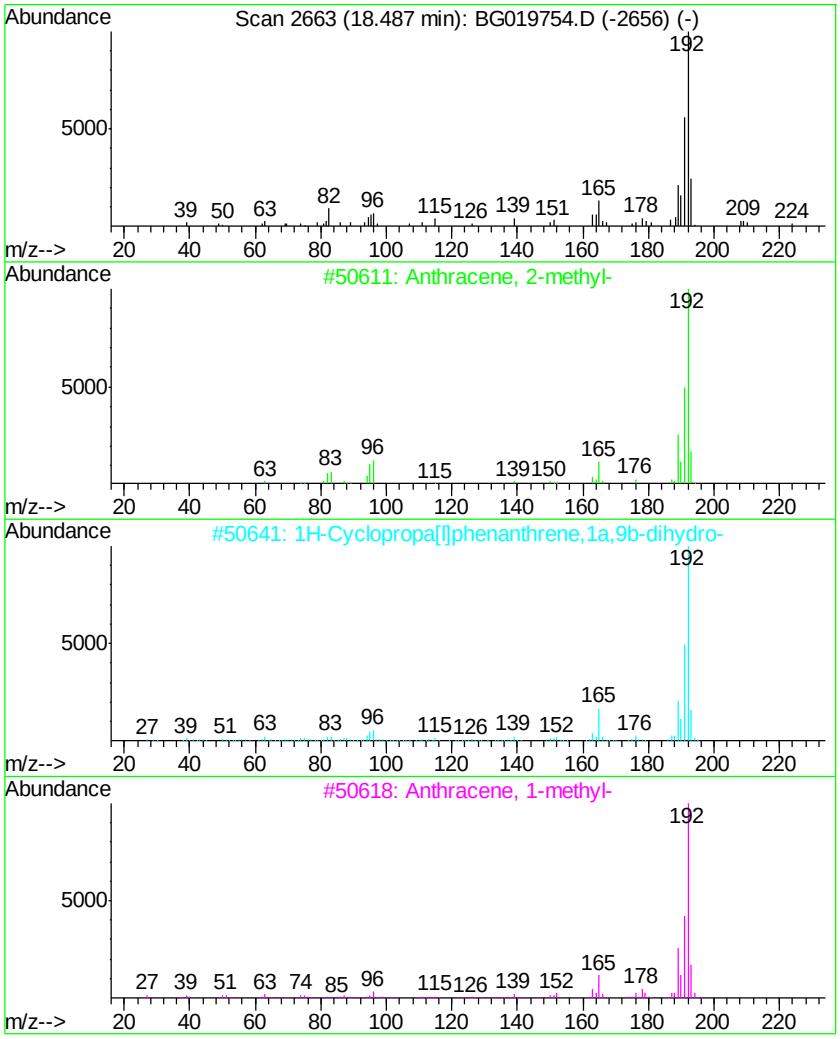
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

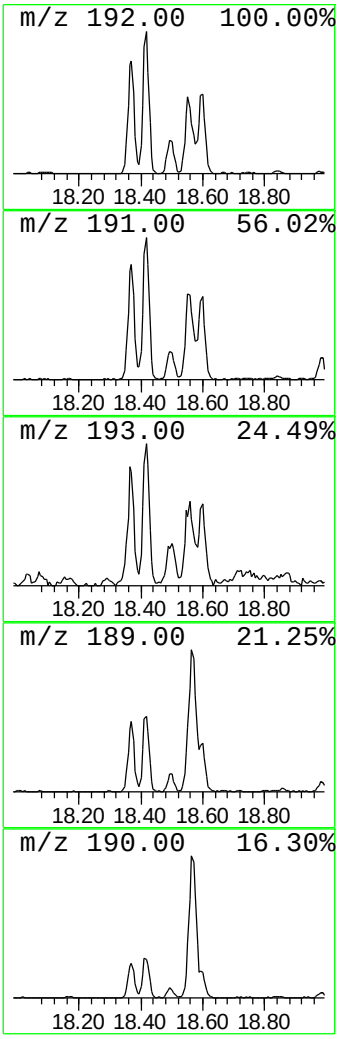
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	3.33 ng/ul	82989	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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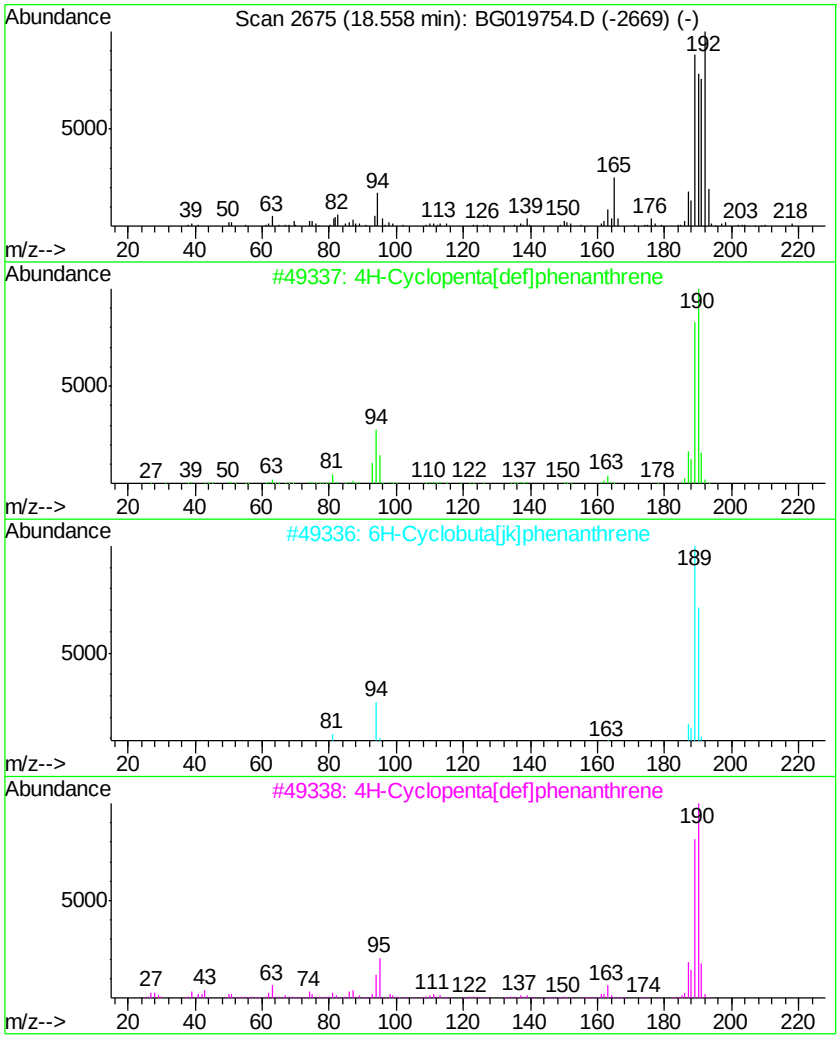
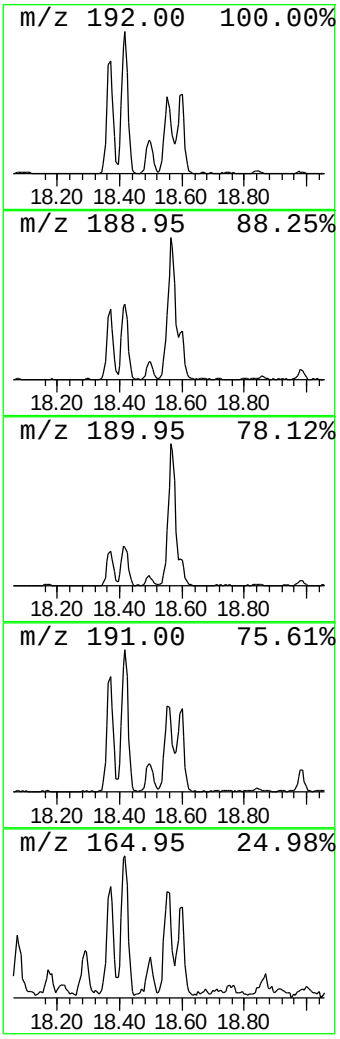
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	14.40 ng/ul	358879	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

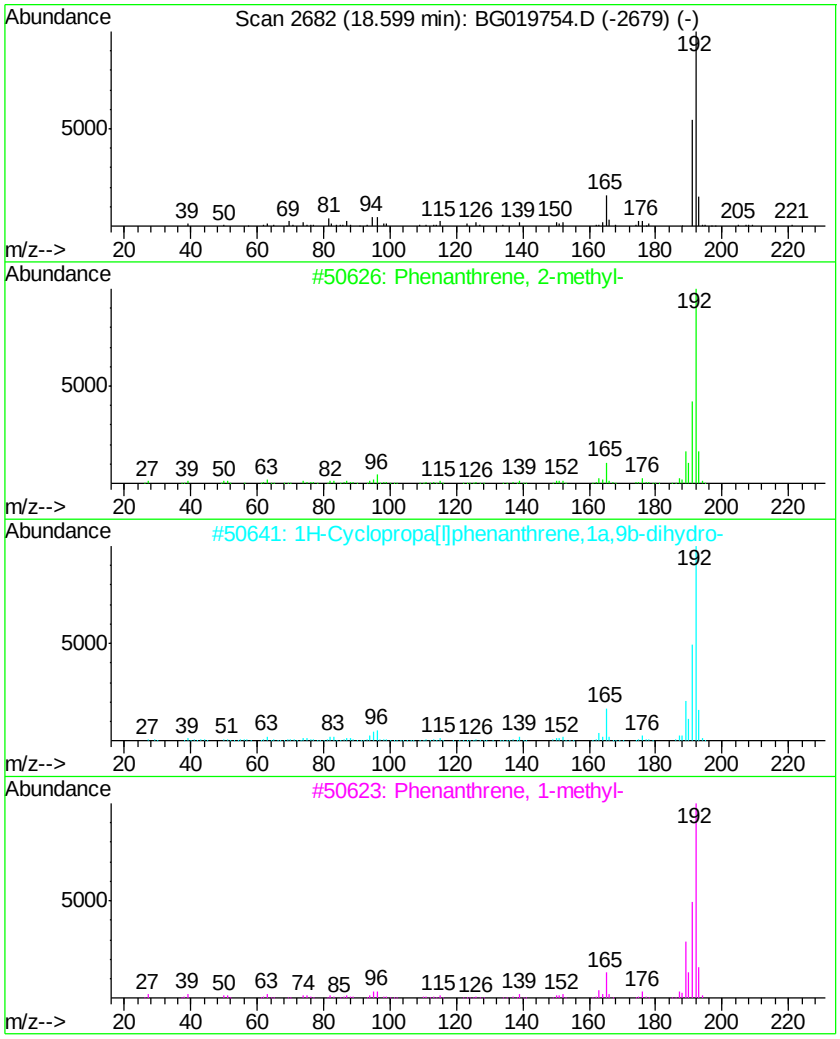
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

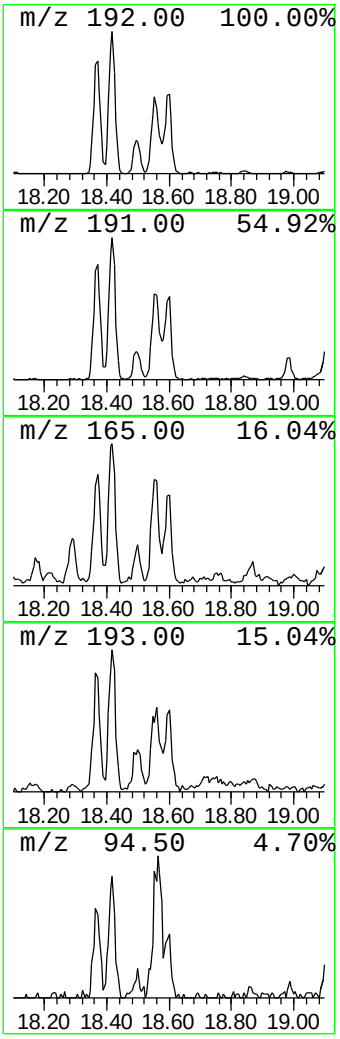
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	6.76 ng/ul	168472	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.97 ng/ul	148754	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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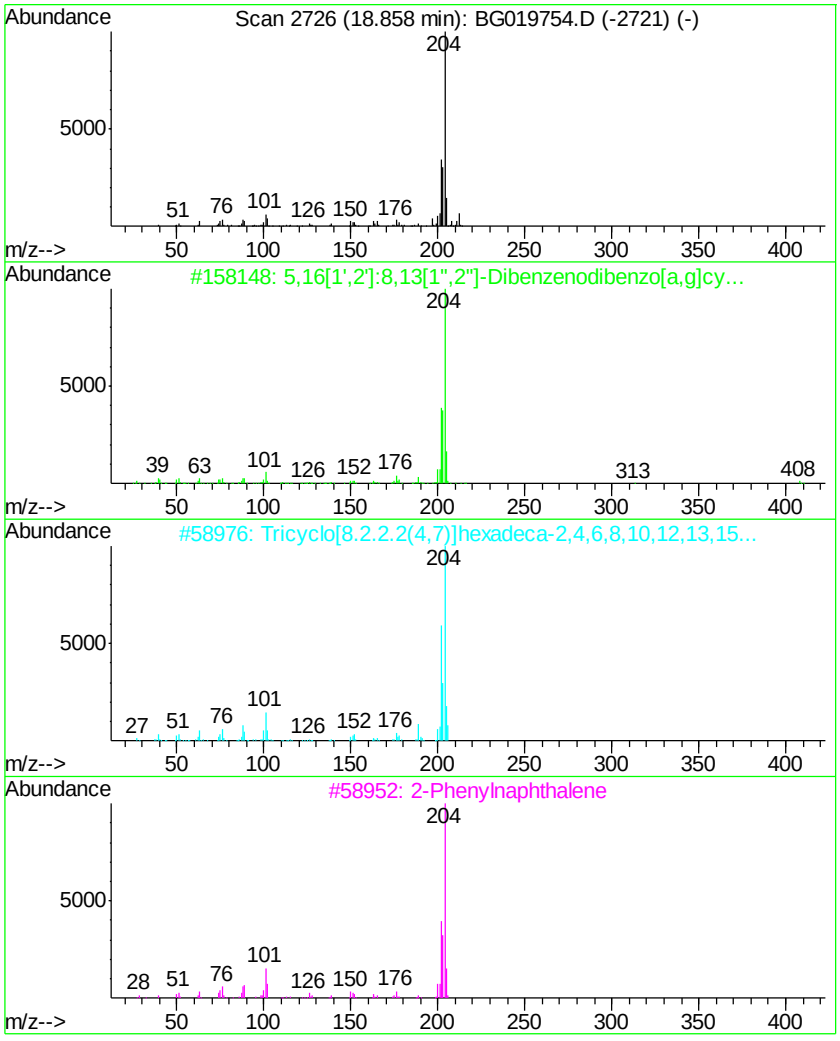

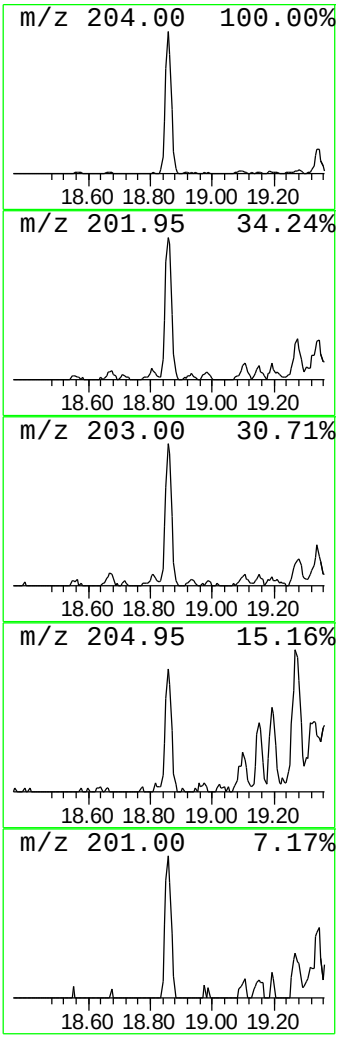

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Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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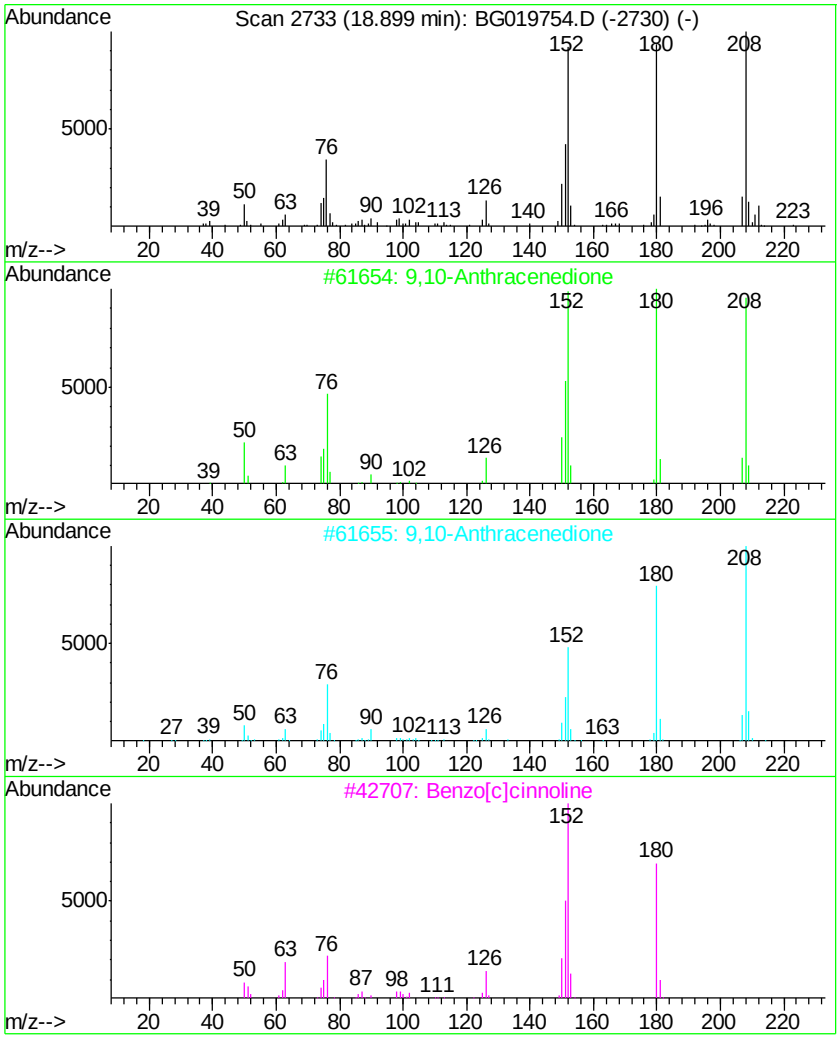
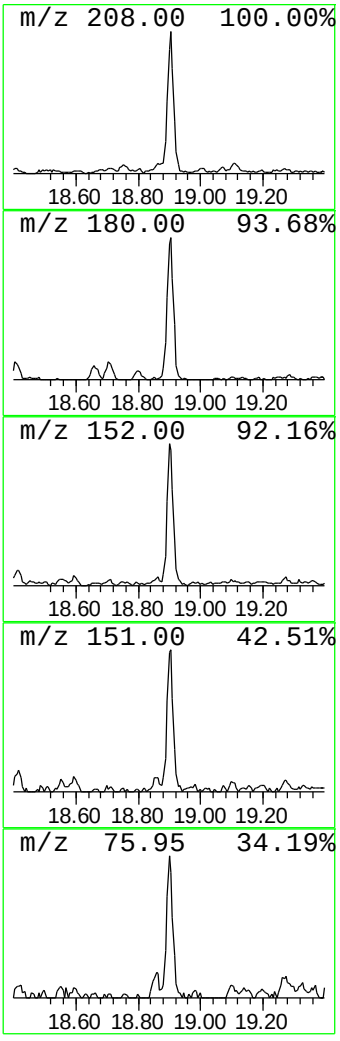
Peak Number 13 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	8.00 ng/ul	199445	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





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Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

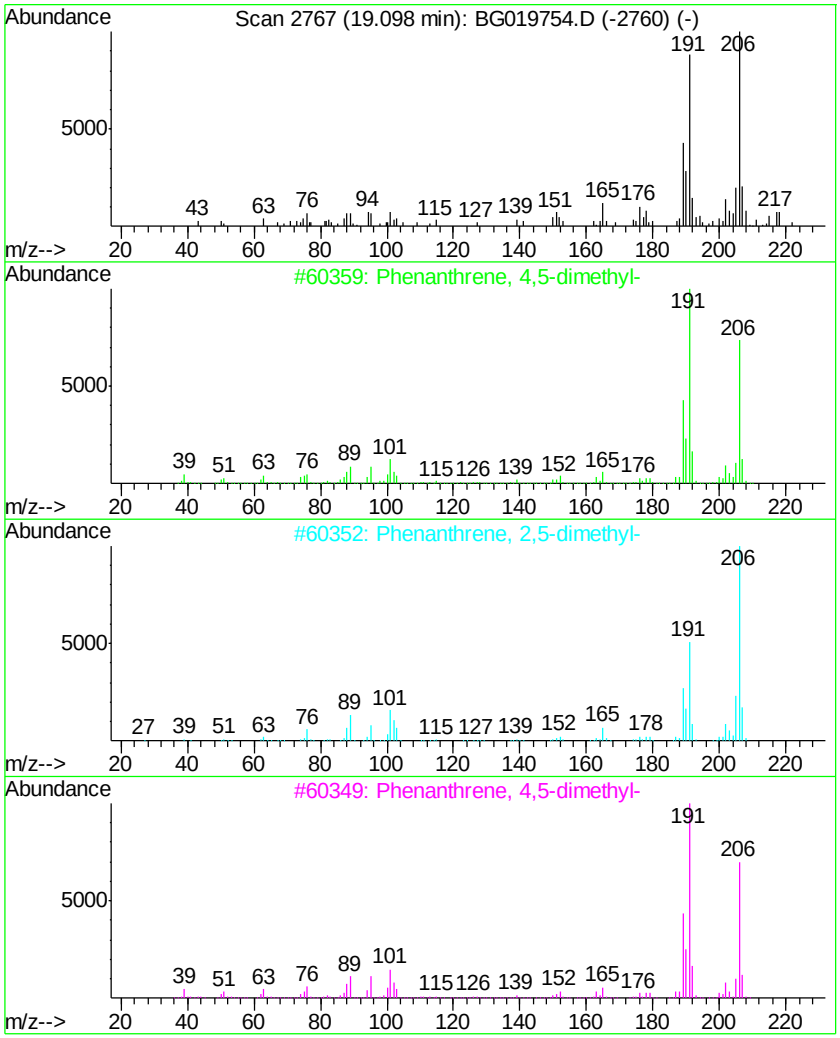
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

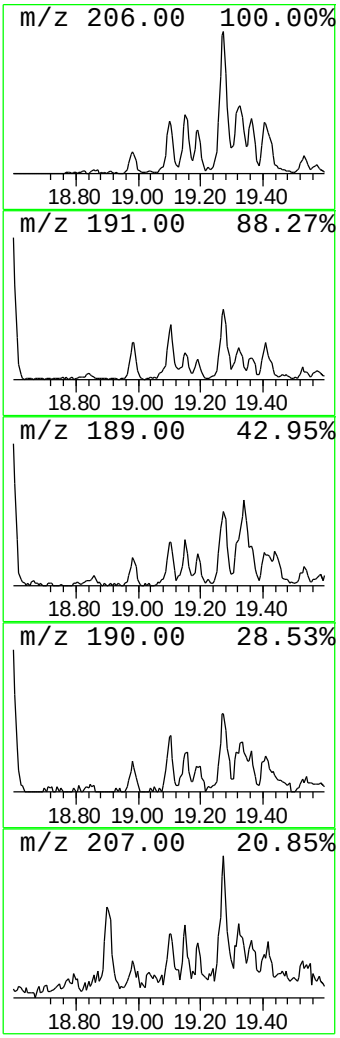
****

Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.79 ng/ul	94382	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89





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Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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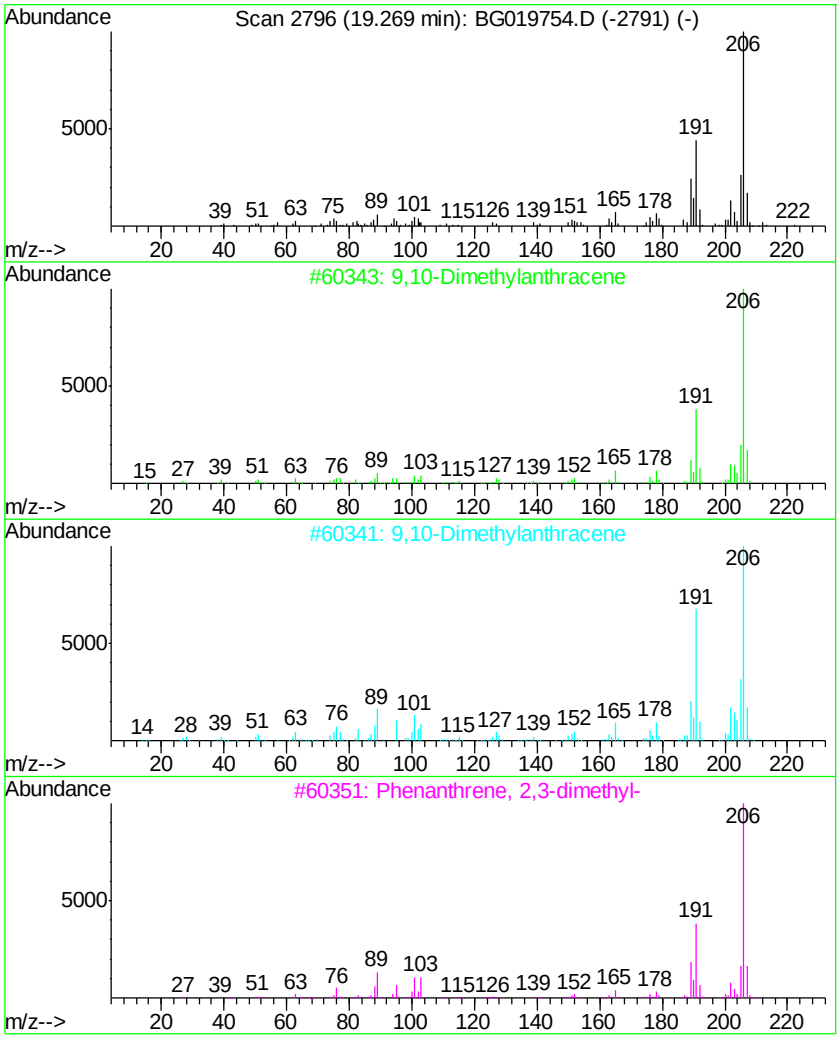
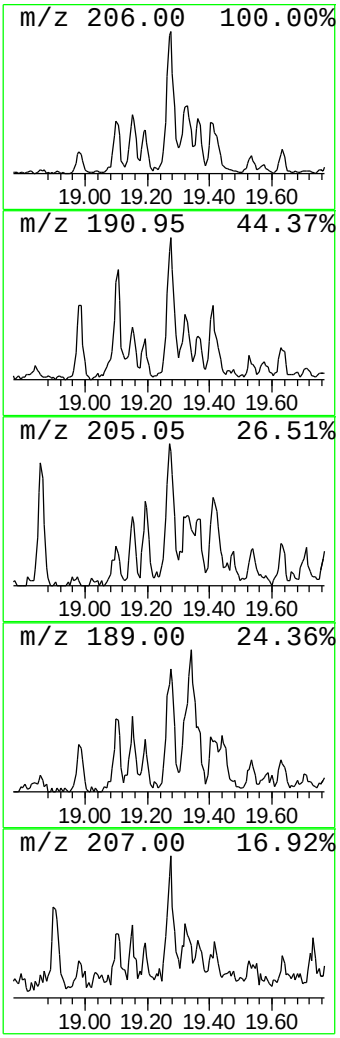
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	7.01 ng/ul	174689	Phenanthrene-d10	17.49

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





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Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

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Quant Title : SVOA CALIBRATION

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

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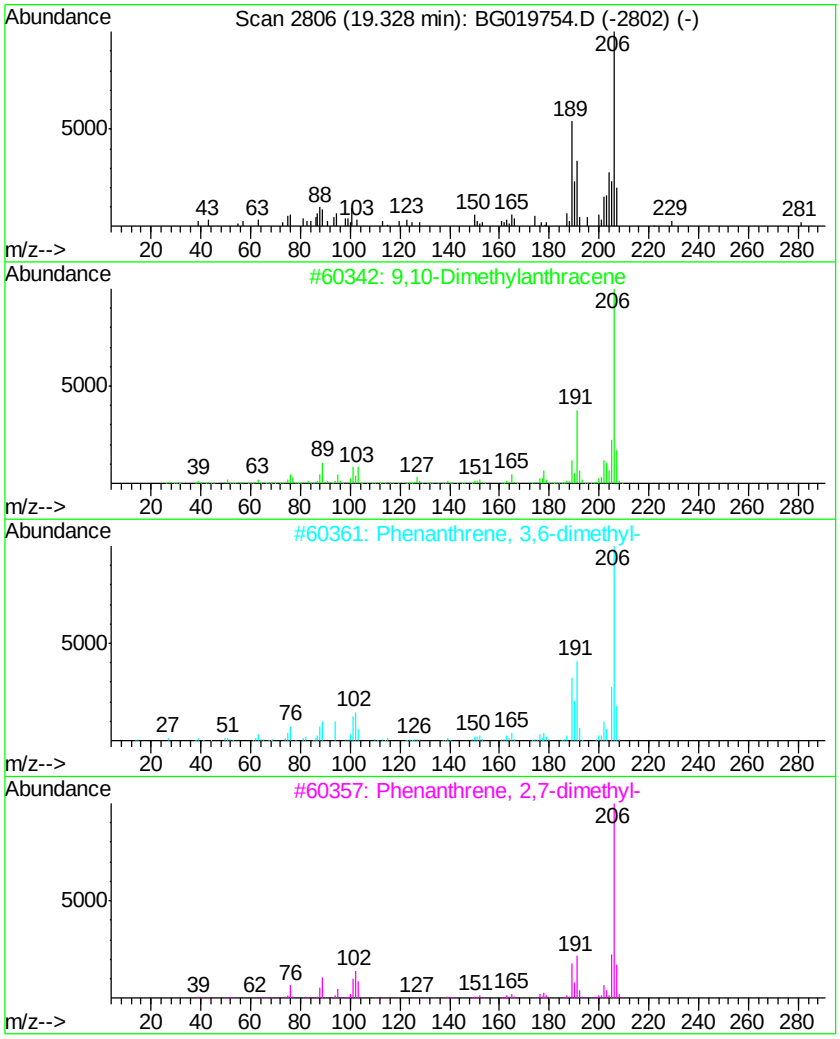
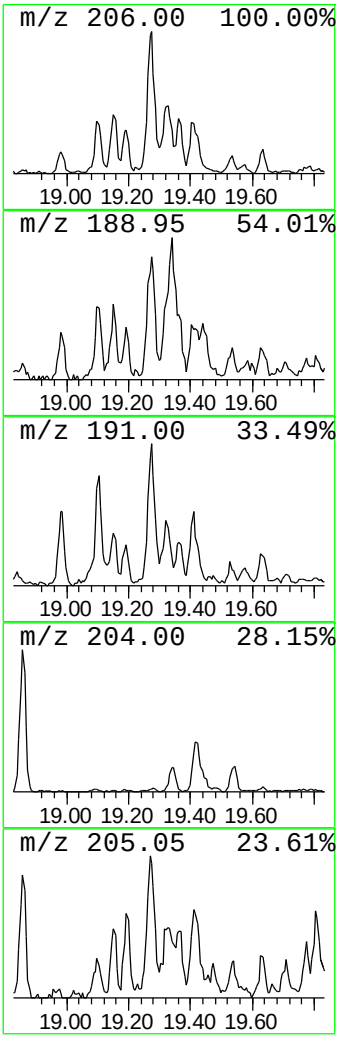
Peak Number 16 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.56 ng/ul	63800	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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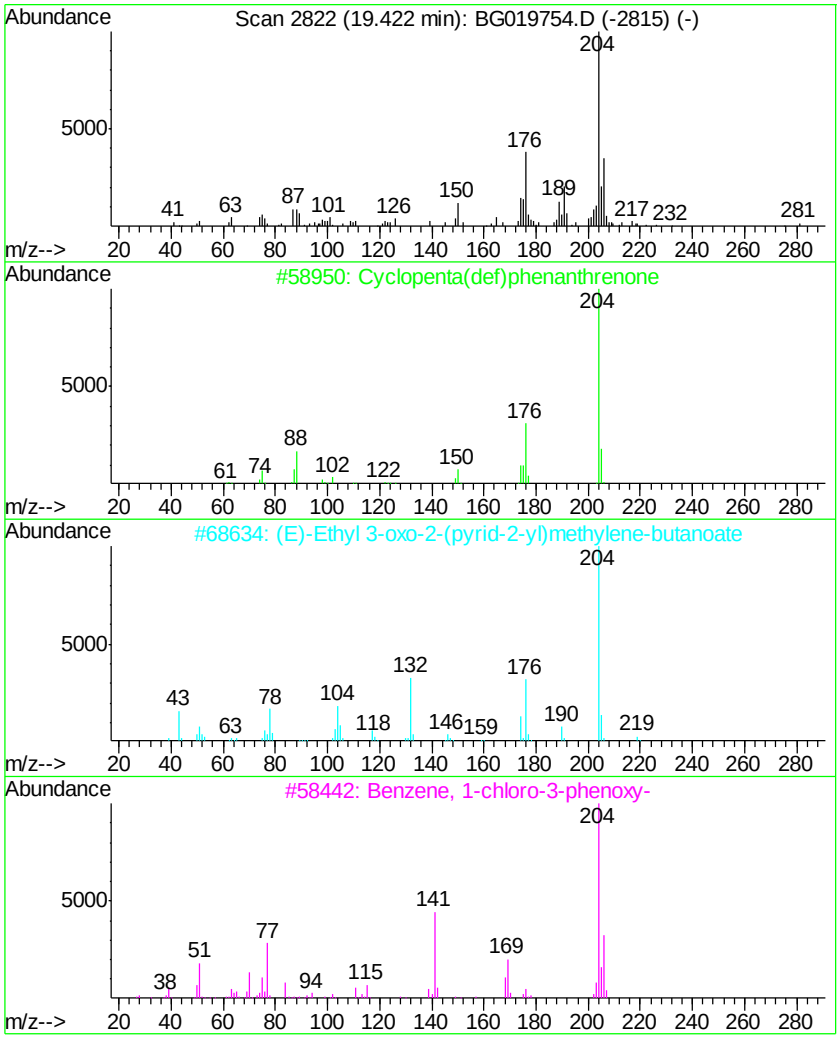
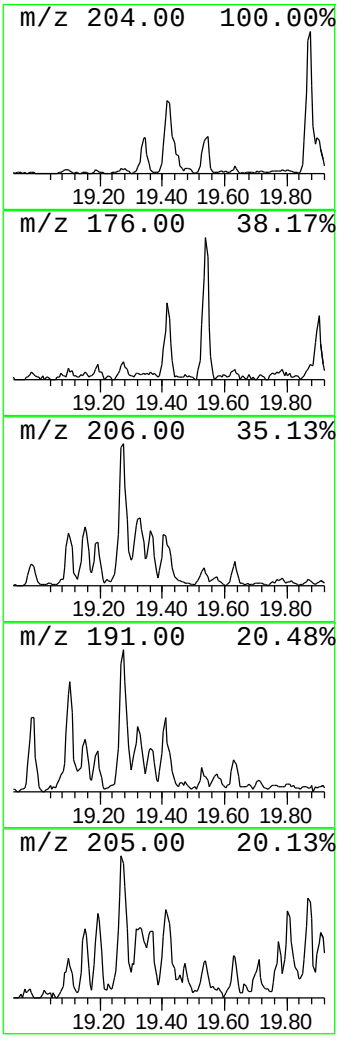
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	5.09 ng/ul	126762	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	47
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





Library Search Compound Report

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Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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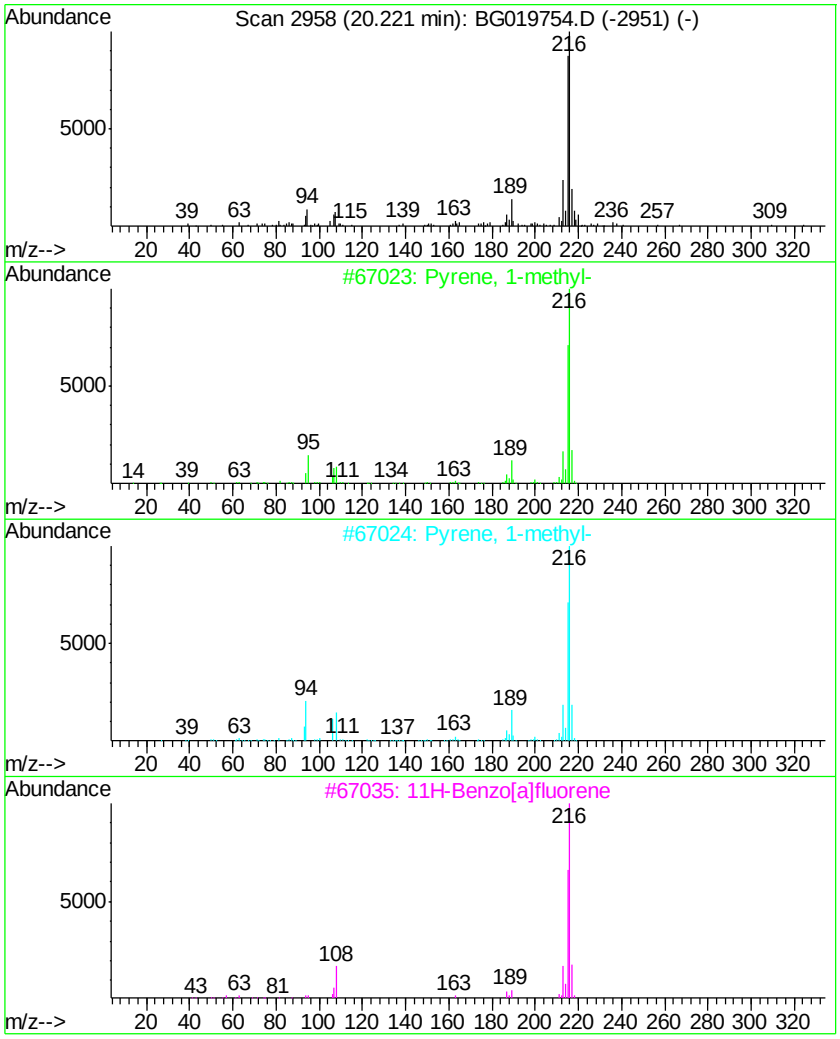
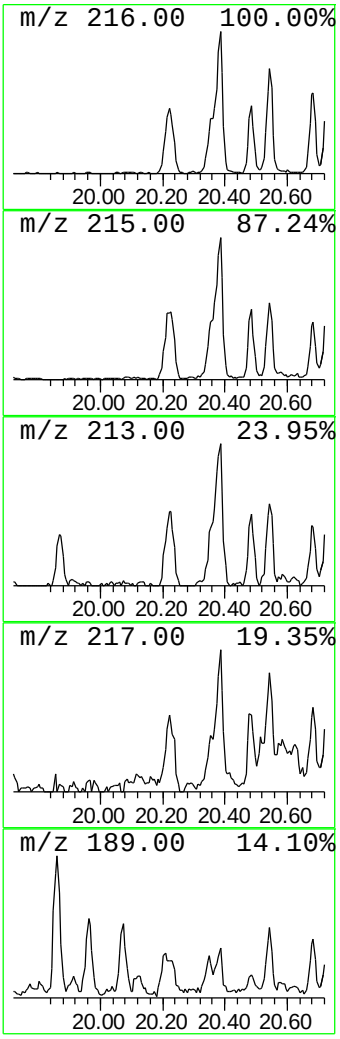
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.97 ng/ul	204827	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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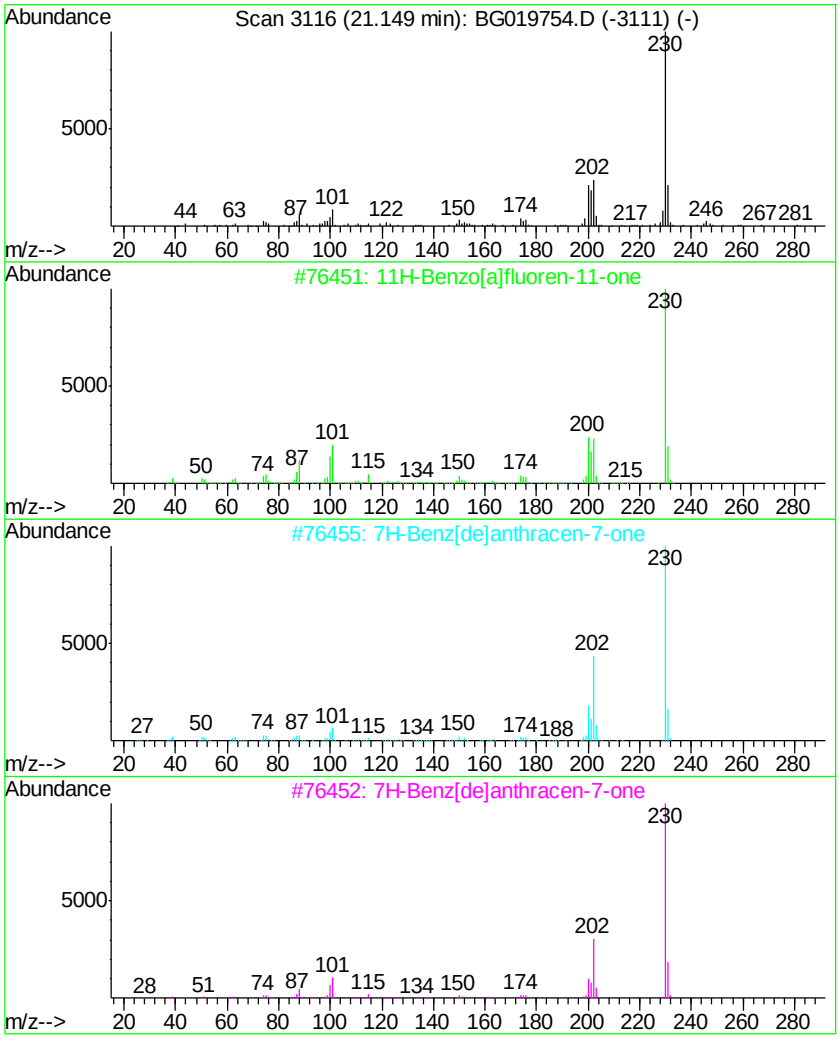
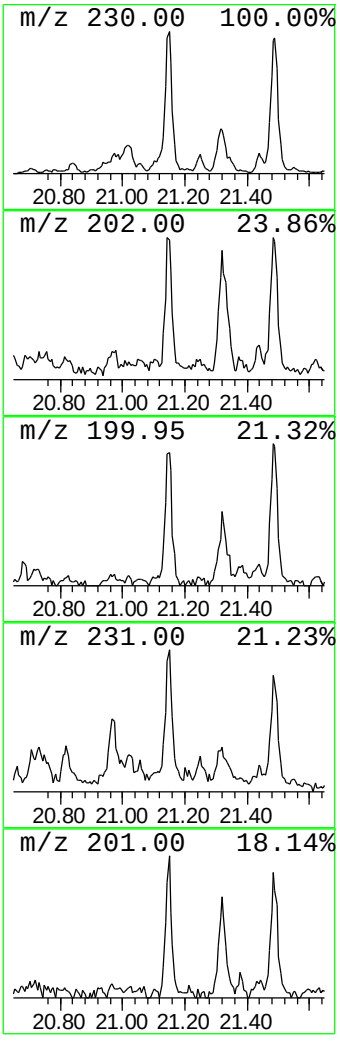
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	2.12 ng/ul	146483	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

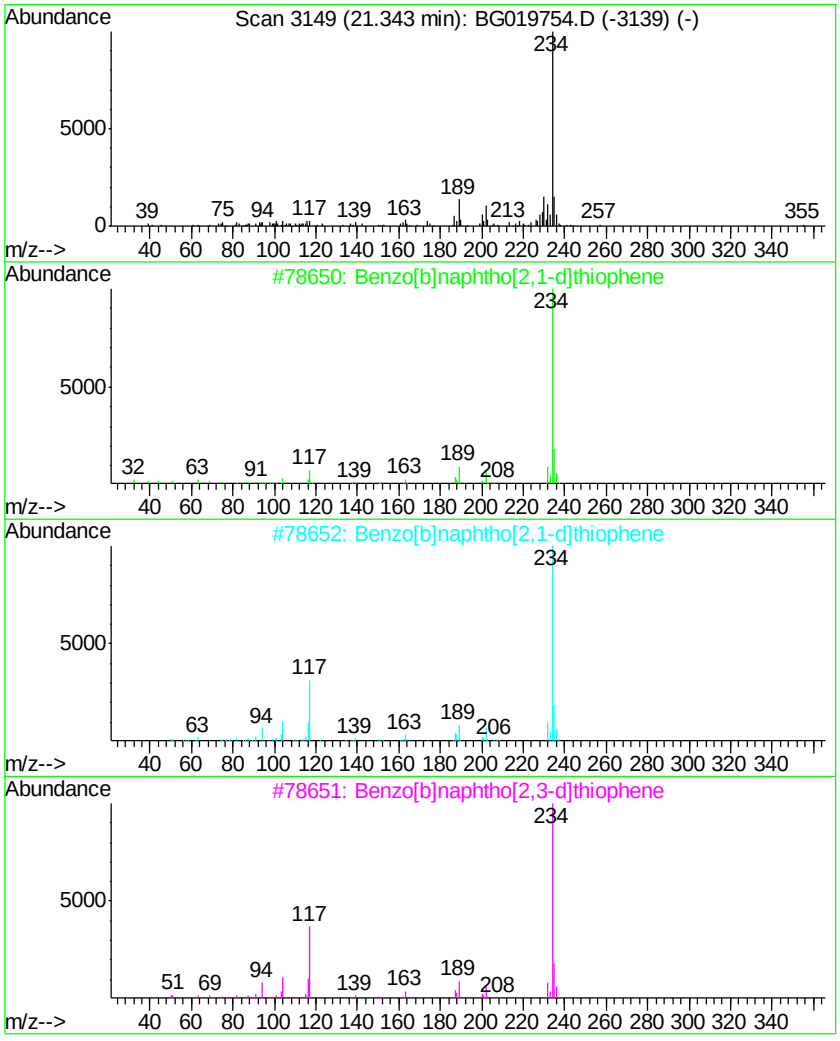
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

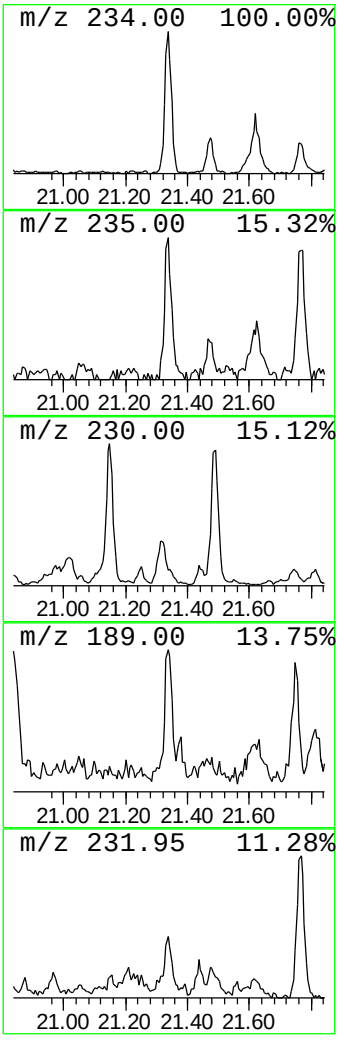
****

Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	2.63 ng/ul	181549	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112015\
Data File : BG019754.D
Acq On : 21 Nov 2015 14:45
Operator : UM/NP
Sample : G4428-06DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7B4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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
Butane, 2-methoxy...	3.12	15.3	ng/ul	104854	1	8.12	137343	20.0
Naphthalene, 2,3-...	14.07	2.0	ng/ul	34076	3	14.76	336557	20.0
9H-Fluoren-9-one	17.15	3.1	ng/ul	76473	4	17.49	498355	20.0
Dibenzothiophene	17.31	4.0	ng/ul	100245	4	17.49	498355	20.0
Dibenzothiophene,...	18.08	3.0	ng/ul	73694	4	17.49	498355	20.0
Phenanthrene, 1-m...	18.37	10.8	ng/ul	269795	4	17.49	498355	20.0
Anthracene, 2-met...	18.49	3.3	ng/ul	82989	4	17.49	498355	20.0
4H-Cyclopenta[def...	18.56	14.4	ng/ul	358879	4	17.49	498355	20.0
Phenanthrene, 2-m...	18.60	6.8	ng/ul	168472	4	17.49	498355	20.0
5,16[1',2']:8,13[...	18.86	6.0	ng/ul	148754	4	17.49	498355	20.0
9,10-Anthracenedione	18.90	8.0	ng/ul	199445	4	17.49	498355	20.0
Phenanthrene, 4,5...	19.10	3.8	ng/ul	94382	4	17.49	498355	20.0
9,10-Dimethylanth...	19.27	7.0	ng/ul	174689	4	17.49	498355	20.0
unknown-01	19.33	2.6	ng/ul	63800	4	17.49	498355	20.0
Cyclopenta(def)ph...	19.42	5.1	ng/ul	126762	4	17.49	498355	20.0
Pyrene, 1-methyl-	20.22	3.0	ng/ul	204827	5	21.77	1380720	20.0
11H-Benzo[a]fluor...	21.15	2.1	ng/ul	146483	5	21.77	1380720	20.0
Benzo[b]naphtho[2...	21.34	2.6	ng/ul	181549	5	21.77	1380720	20.0