LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

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\SOM01.2-EPA-BG033115.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	2.896	29	35	44	rBV	320220	632749	19.55%	1.355%
2	2.972	44	48	63	rVB	755450	1045427	32.30%	2.239%
3	4.882	367	373	379	rBV2	28839	51479	1.59%	0.110%
4	6.938	714	723	731	rBV	334277	532896	16.46%	1.141%
5	7.102	744	751	757	rBV	267948	402686	12.44%	0.862%
6	7.296	777	784	792	rBV	314861	496005	15.32%	1.062%
7	7.766	856	864	872	rBV	293829	459254	14.19%	0.984%
8	8.466	976	983	991	rBV	396562	637105	19.68%	1.364%
9	8.918	1054	1060	1069	rVV	296737	494530	15.28%	1.059%
10	9.635	1175	1182	1192	rBV	259446	433882	13.40%	0.929%
11	10.169	1266	1273	1283	rBV	366960	618223	19.10%	1.324%
12	10.551	1327	1338	1343	rBV	444383	736322	22.75%	1.577%
13	10.598	1343	1346	1353	rVB	149216	235485	7.28%	0.504%
14	10.686	1353	1361	1373	rBV	321584	547887	16.93%	1.173%
15	12.214	1615	1621	1629	rVB	144145	216034	6.67%	0.463%
16	12.431	1648	1658	1666	rVB	93135	150227	4.64%	0.322%
17	13.225	1787	1793	1800	rVV3	53999	86420	2.67%	0.185%
18	13.554	1839	1849	1850	rBV2	42475	55006	1.70%	0.118%
19	13.718	1868	1877	1881	rBV	79745	143092	4.42%	0.306%
20	13.771	1881	1886	1887	rVV	56424	71081	2.20%	0.152%
21	13.806	1887	1892	1896	rVV	629164	859804	26.56%	1.841%
22	13.853	1896	1900	1903	rVB	38592	47868	1.48%	0.103%
23	13.953	1908	1917	1920	rVV2	44568	80648	2.49%	0.173%
24	14.088	1933	1940	1952	rVB	765847	1187586	36.69%	2.543%
25	14.394	1982	1992	1998	rBV2	640710	1025050	31.67%	2.195%
26	14.459	1998	2003	2010	rVB	386251	573025	17.70%	1.227%
27	14.594	2019	2026	2035	rBV	339526	521758	16.12%	1.117%
28	14.793	2054	2060	2068	rVV	338382	520239	16.07%	1.114%
29	15.011	2089	2097	2102	rBV3	27371	48674	1.50%	0.104%
30	15.181	2118	2126	2129	rBV4	25038	53020	1.64%	0.114%
31	15.387	2152	2161	2166	rBV	989433	1391449	42.99%	2.980%
32	15.440	2166	2170	2176	rVB2	513838	716423	22.13%	1.534%
33	15.504	2176	2181	2188	rBV	303807	448679	13.86%	0.961%
34	15.604	2194	2198	2203	rVB3	58331	83104	2.57%	0.178%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

35	15.733	2216	2220	2227	rVB	101220	144142	4.45%	0.309%
36	15.880	2237	2245	2253	rVB	112539	225171	6.96%	0.482%
37	16.104	2278	2283	2285	rBV3	43886	64624	2.00%	0.138%
38	16.439	2330	2340	2345	rBV3	76674	165990	5.13%	0.355%
39	16.491	2345	2349	2354	rVV2	32843	60338	1.86%	0.129%
40	16.591	2360	2366	2371	rVV4	32654	59037	1.82%	0.126%
41	16.668	2377	2379	2383	rVV2	36811	58173	1.80%	0.125%
42	16.709	2383	2386	2390	rVV2	39799	60209	1.86%	0.129%
43	16.867	2407	2413	2415	rBV	41094	66793	2.06%	0.143%
44	16.956	2423	2428	2436	rVB	128978	213261	6.59%	0.457%
45	17.138	2453	2459	2462	rBV2	774615	1148155	35.47%	2.459%
46	17.179	2462	2466	2471	rVV	2305684	3236792	100.00%	6.932%
47	17.238	2471	2476	2479	rVV	1020699	1560773	48.22%	3.342%
48	17.267	2479	2481	2486	rVV	736118	903370	27.91%	1.935%
49	17.326	2486	2491	2496	rVB2	53435	86175	2.66%	0.185%
50	17.508	2516	2522	2523	rBV2	61633	76994	2.38%	0.165%
51	17.537	2523	2527	2539	rVV	313332	477018	14.74%	1.022%
52	17.655	2545	2547	2551	rVV3	38744	50887	1.57%	0.109%
53	17.714	2553	2557	2564	rVV5	26131	62617	1.93%	0.134%
54	18.007	2597	2607	2609	rBV	193894	319823	9.88%	0.685%
55	18.054	2612	2615	2623	rVV	299454	451005	13.93%	0.966%
56	18.137	2623	2629	2634	rVV	150276	222763	6.88%	0.477%
57	18.207	2634	2641	2645	rVV2	365676	619659	19.14%	1.327%
58	18.242	2645	2647	2652	rVV	110518	124418	3.84%	0.266%
59	18.313	2655	2659	2663	rVV3	30114	50590	1.56%	0.108%
60	18.360	2663	2667	2670	rVB3	36139	48747	1.51%	0.104%
61	18.513	2688	2693	2697	rVV	136608	184072	5.69%	0.394%
62	18.842	2746	2749	2753	rVB3	39902	50809	1.57%	0.109%
63	18.924	2758	2763	2767	rBV2	62801	117654	3.63%	0.252%
64	18.994	2771	2775	2778	rBV4	37894	46414	1.43%	0.099%
65	19.065	2784	2787	2797	rVB3	37089	75450	2.33%	0.162%
66	19.194	2802	2809	2815	rVB	2054325	2708532	83.68%	5.800%
67	19.300	2822	2827	2836	rVB3	65864	165325	5.11%	0.354%
68	19.435	2848	2850	2859	rVV3	58828	127651	3.94%	0.273%
69	19.529	2860	2866	2868	rVV2	1440173	2058746	63.60%	4.409%
70	19.558	2868	2871	2879	rVV	1509972	2069653	63.94%	4.432%
71	19.623	2879	2882	2889	rVB3	77480	128763	3.98%	0.276%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

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\SOM01.2-EPA-BG033115.M
Title : SVOA CALIBRATION

72	19.735	2896	2901	2905	rBV	99790	142281	4.40%	0.305%
73	19.793	2907	2911	2915	rVB	108858	136274	4.21%	0.292%
74	19.870	2920	2924	2925	rBV	92054	113422	3.50%	0.243%
75	19.934	2931	2935	2941	rVB	60036	76056	2.35%	0.163%
76	20.011	2944	2948	2950	rVV4	61325	112799	3.48%	0.242%
77	20.046	2950	2954	2959	rVB	316168	445037	13.75%	0.953%
78	20.146	2967	2971	2975	rBV	324871	395836	12.23%	0.848%
79	20.205	2975	2981	2985	rVB2	125844	214682	6.63%	0.460%
80	20.246	2985	2988	2991	rVB	42586	48759	1.51%	0.104%
81	20.287	2992	2995	2999	rVB2	41588	50540	1.56%	0.108%
82	20.346	3001	3005	3008	rBV	61432	81525	2.52%	0.175%
83	20.393	3008	3013	3016	rBV3	73742	115980	3.58%	0.248%
84	20.963	3106	3110	3113	rBV2	80263	108757	3.36%	0.233%
85	21.016	3113	3119	3128	rVV4	363602	761519	23.53%	1.631%
86	21.303	3158	3168	3173	rBV3	1228943	2586412	79.91%	5.539%
87	21.345	3173	3175	3184	rVB	658215	792459	24.48%	1.697%
88	21.462	3191	3195	3200	rVB	201119	255708	7.90%	0.548%
89	21.621	3218	3222	3228	rBV2	113952	169880	5.25%	0.364%
90	22.020	3287	3290	3293	rVB2	62498	73582	2.27%	0.158%
91	22.155	3310	3313	3319	rBV4	57674	96515	2.98%	0.207%
92	22.902	3434	3440	3444	rBV	438882	999166	30.87%	2.140%
93	23.072	3465	3469	3476	rVB	130665	217254	6.71%	0.465%
94	23.389	3518	3523	3527	rBV	238519	435953	13.47%	0.934%
95	23.448	3527	3533	3537	rVV2	620373	1283494	39.65%	2.749%
96	23.489	3537	3540	3548	rVB	481756	806379	24.91%	1.727%
97	23.589	3551	3557	3563	rVV	569033	1139675	35.21%	2.441%
98	23.642	3563	3566	3574	rVB2	127503	220314	6.81%	0.472%
99	25.910	3946	3952	3965	rVB3	184201	563886	17.42%	1.208%
100	26.627	4068	4074	4086	rVB2	112981	357392	11.04%	0.765%

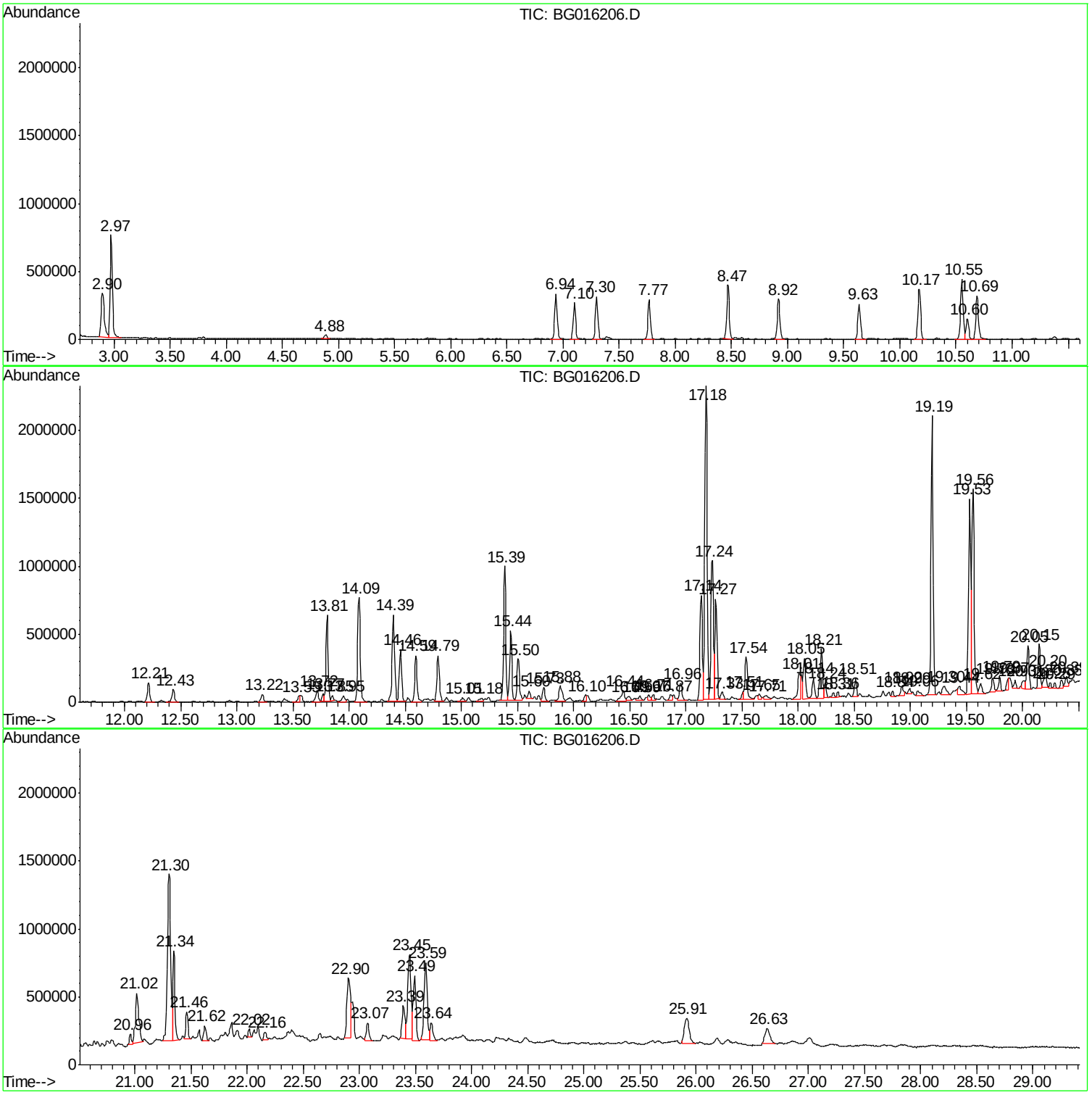
Sum of corrected areas: 46695246

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.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\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

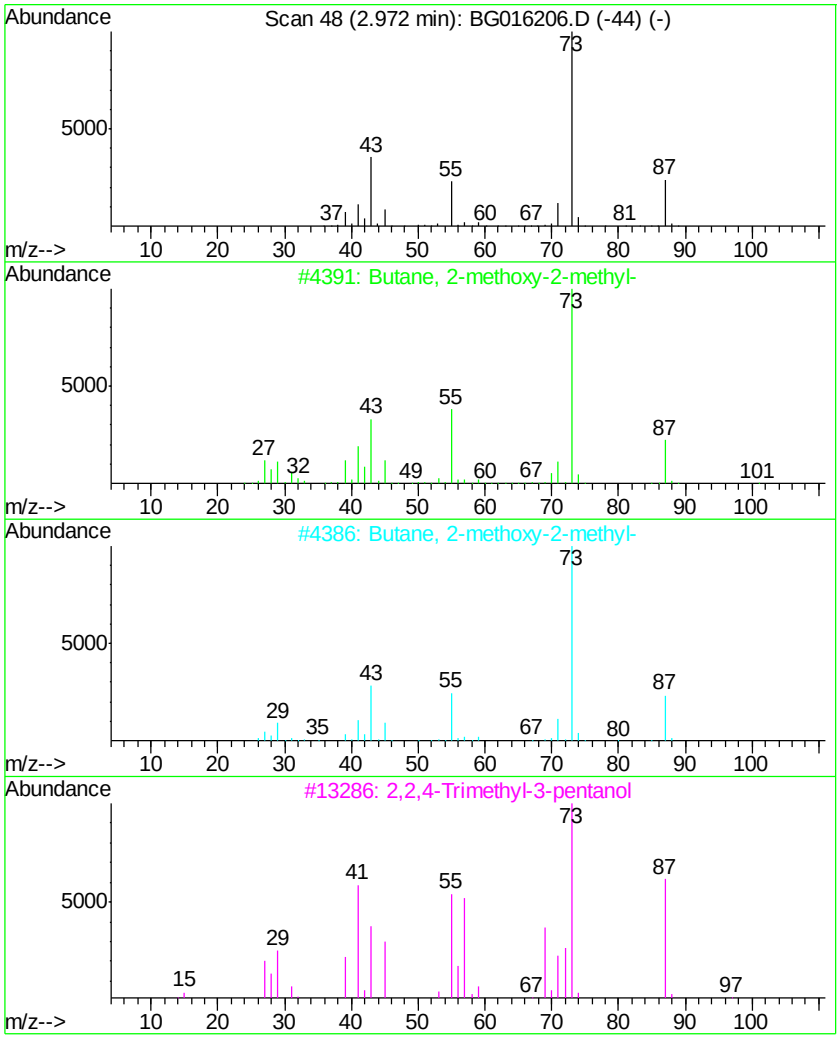
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

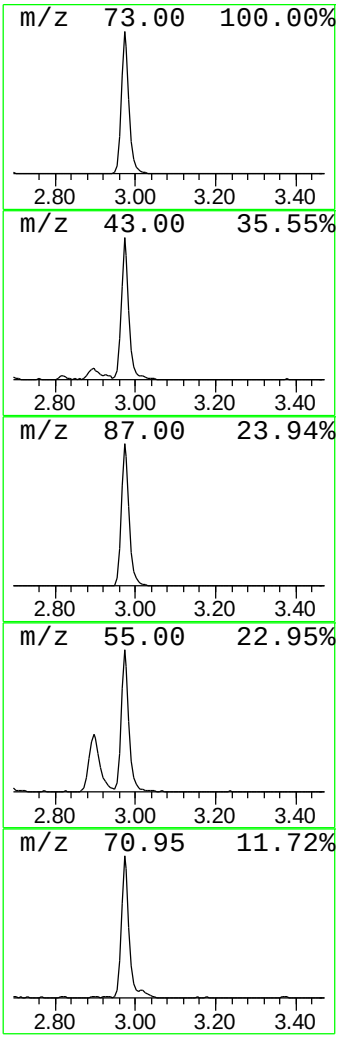
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	45.53 ng/ul	1045430	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

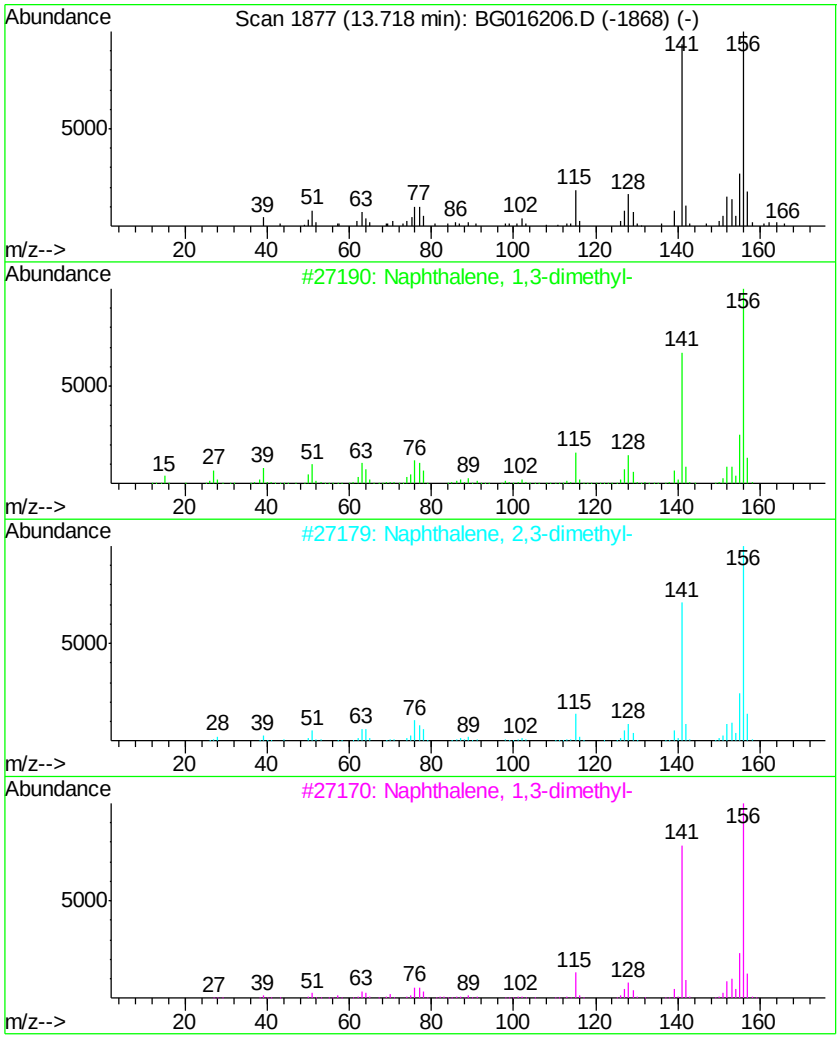
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

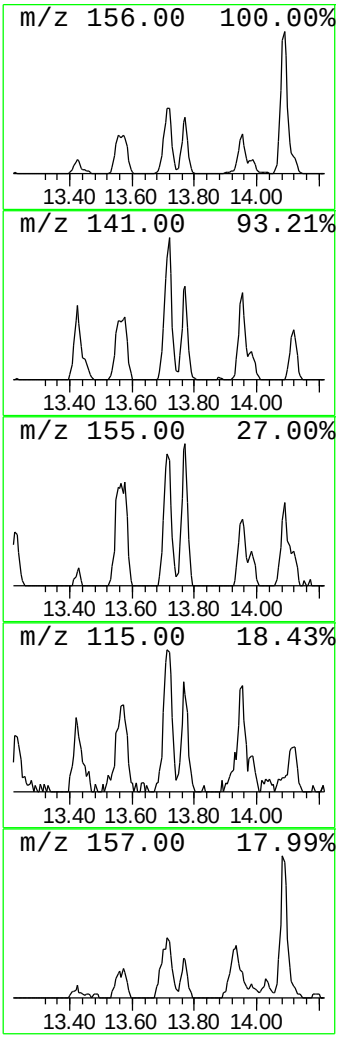
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.79 ng/ul	143092	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

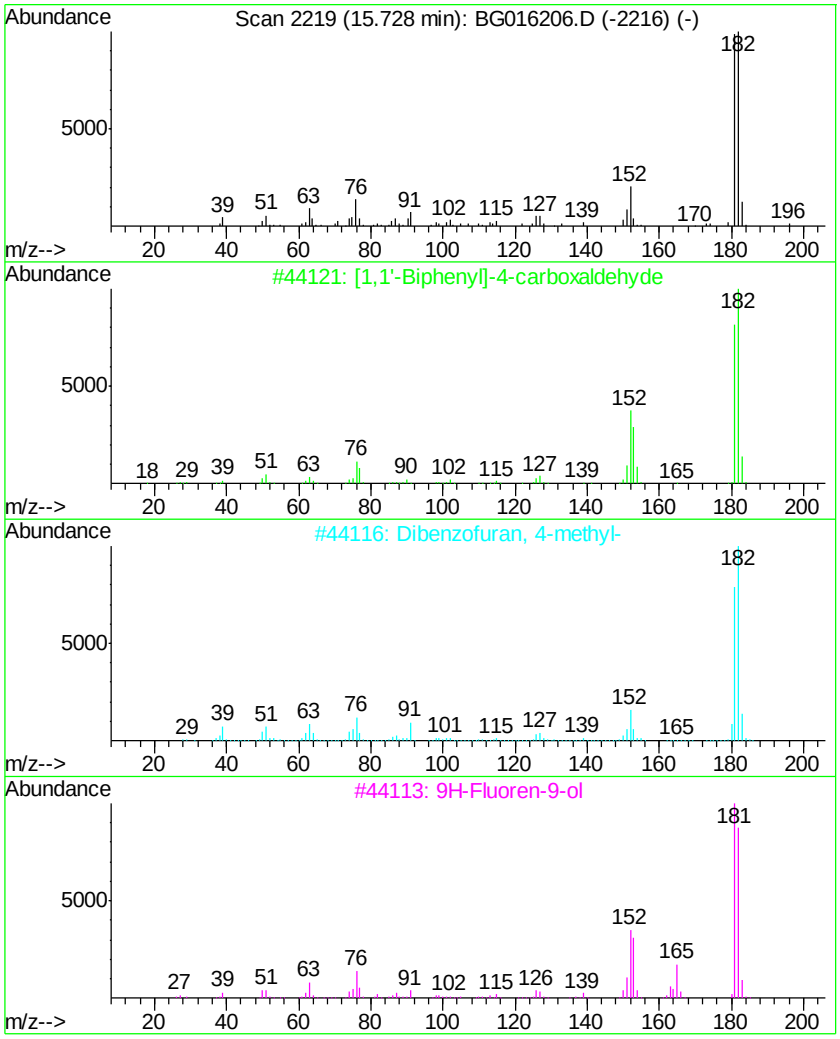
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

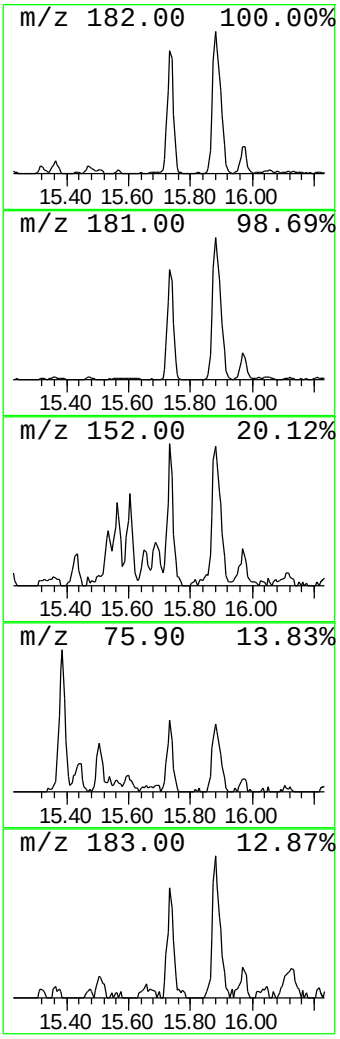
****

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.81 ng/ul	144142	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	93
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

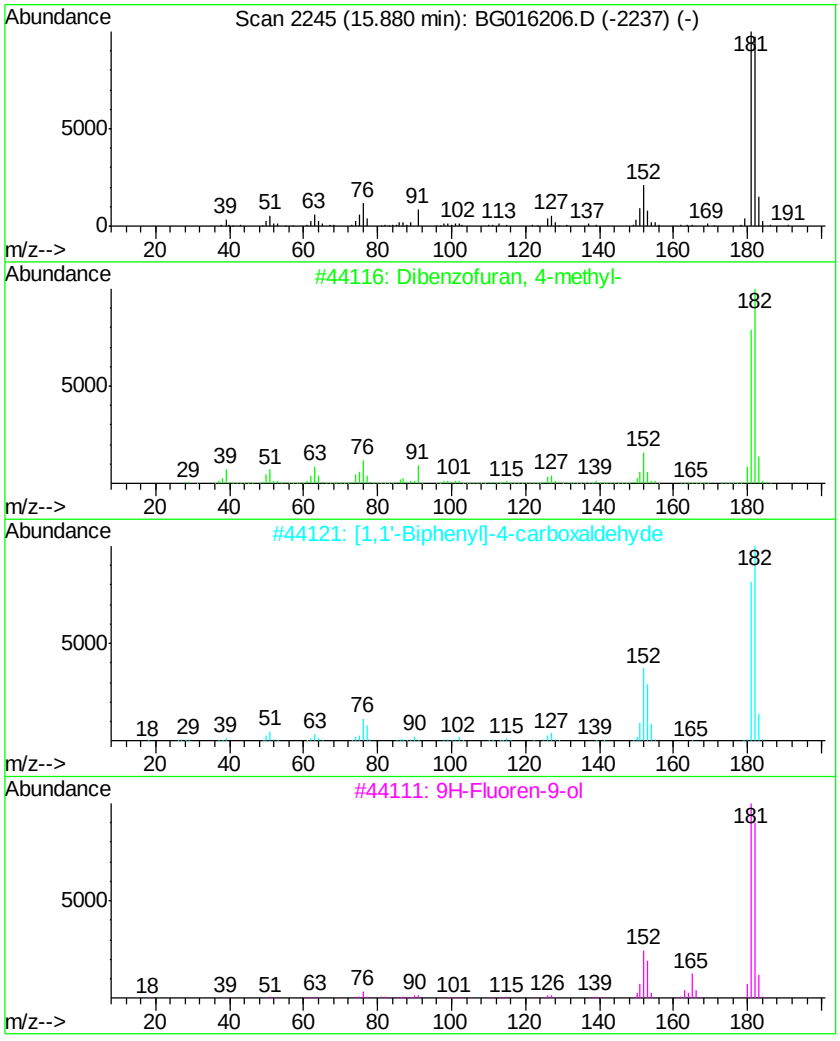
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

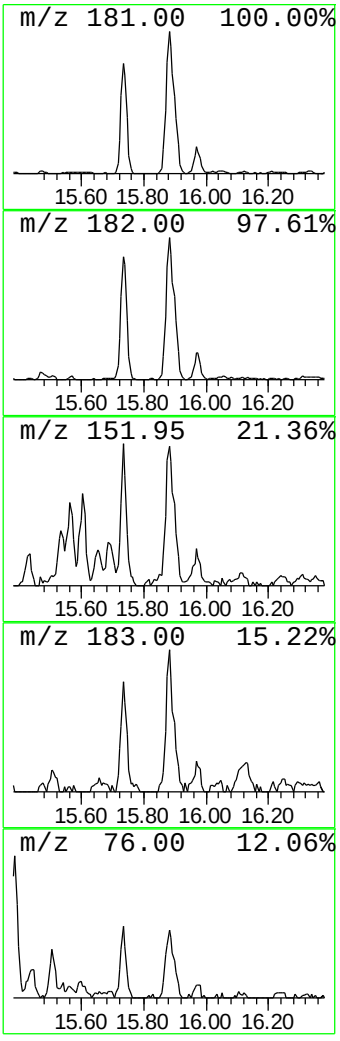
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.92 ng/ul	225171	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	95
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

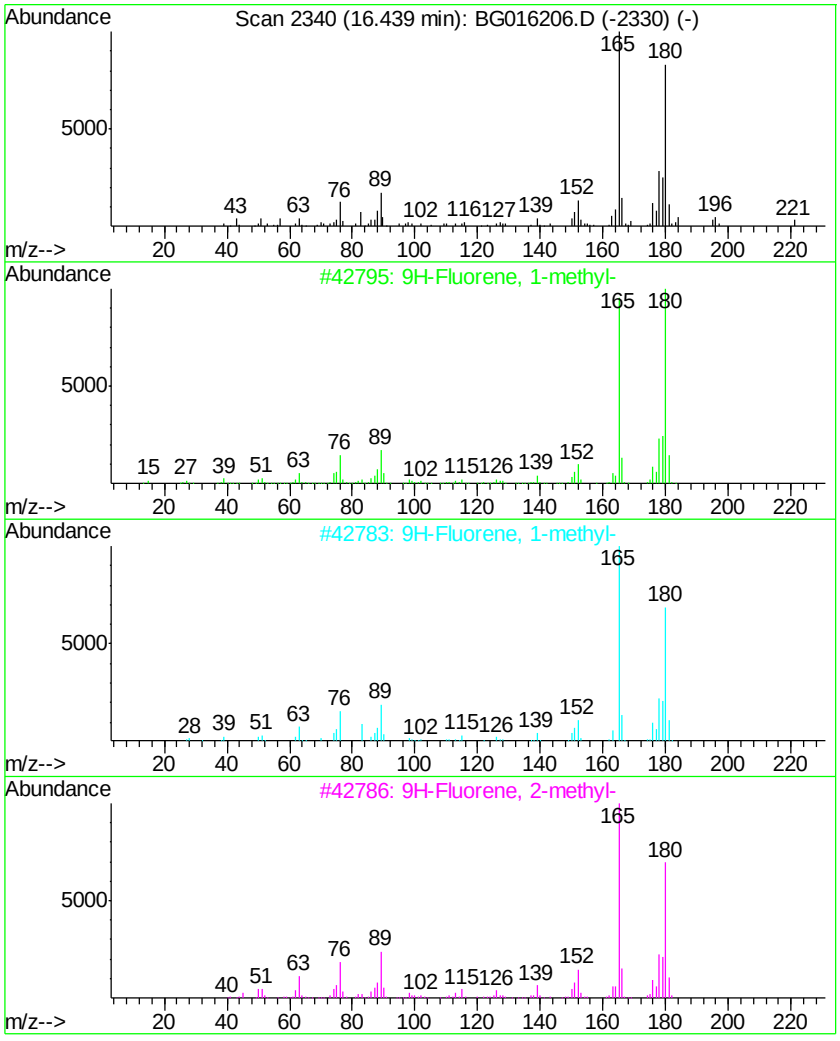
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

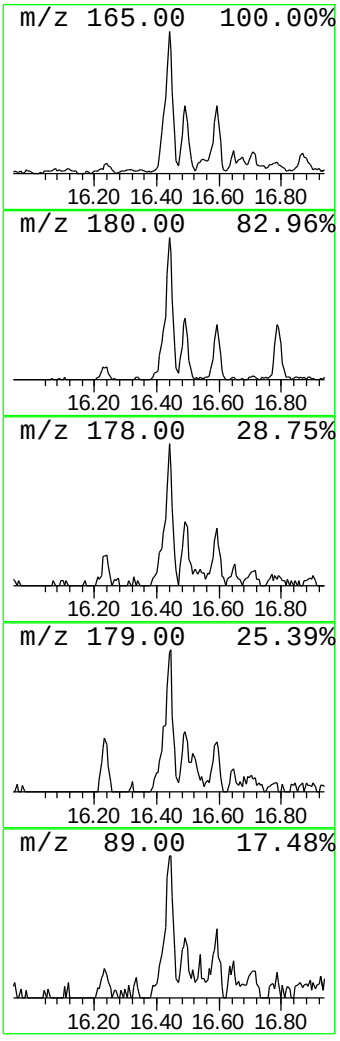
****

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.89 ng/ul	165990	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95





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Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

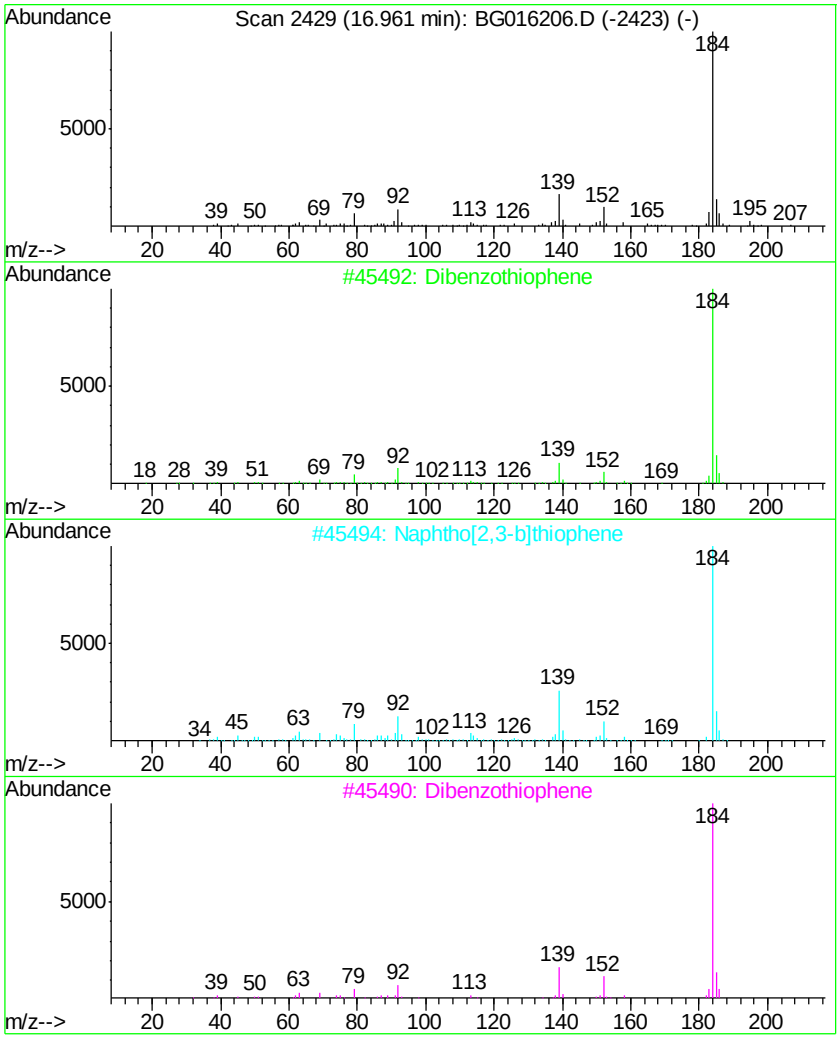
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

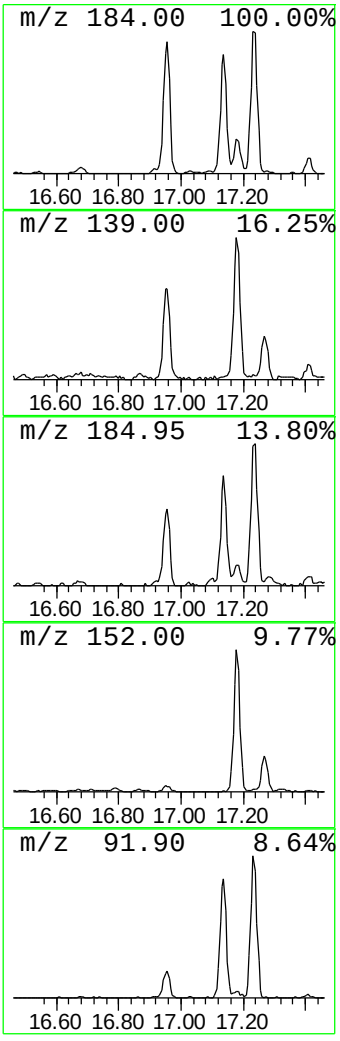
****

Peak Number 9 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	3.71 ng/ul	213261	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

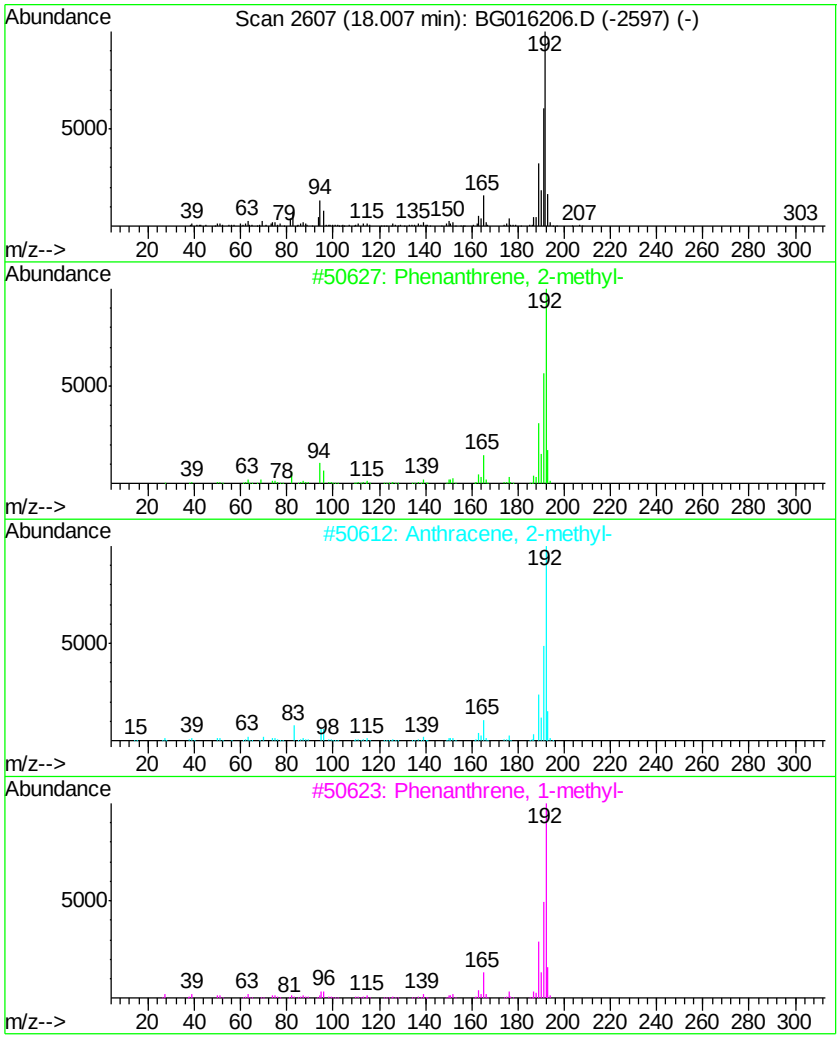
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

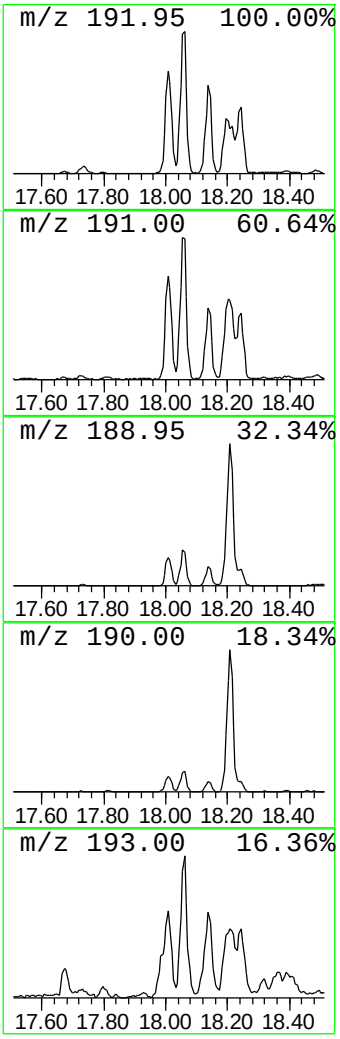
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	5.57 ng/ul	319823	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

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Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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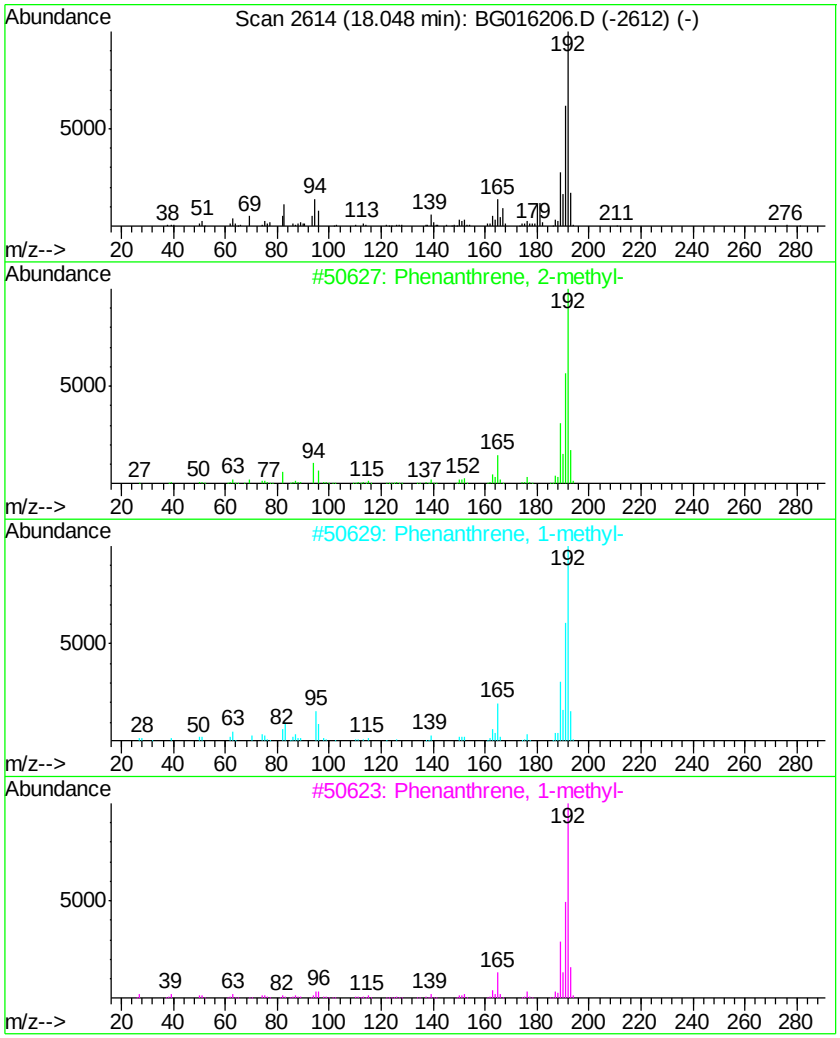
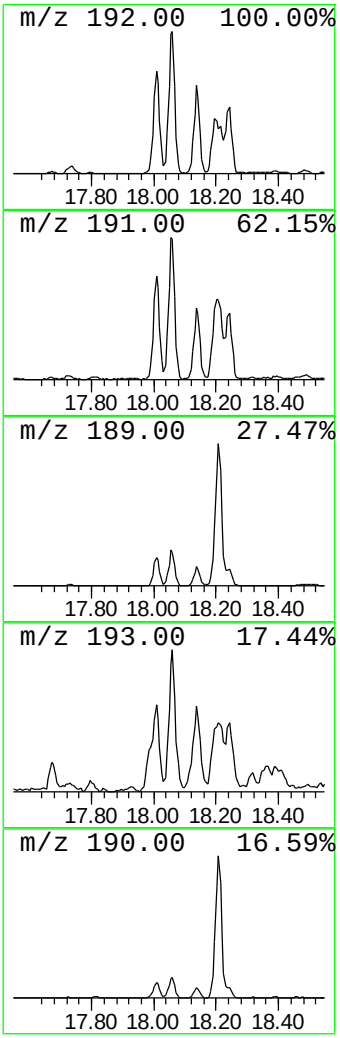
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	7.86 ng/ul	451005	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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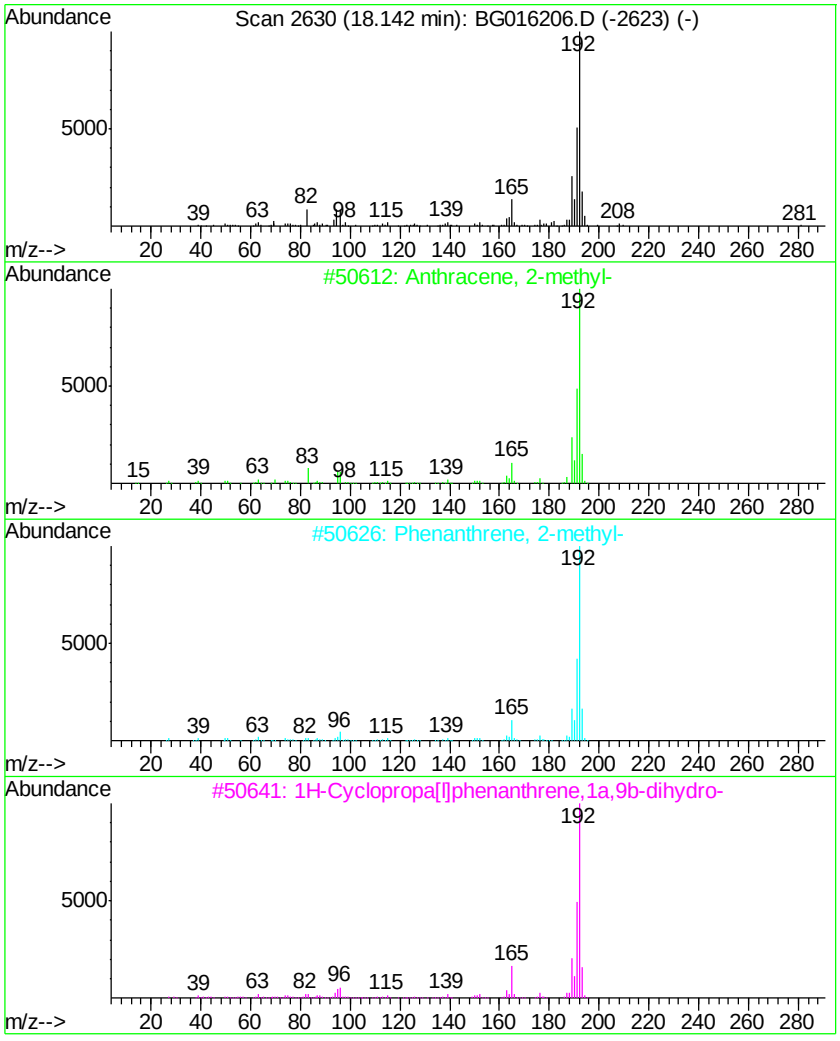
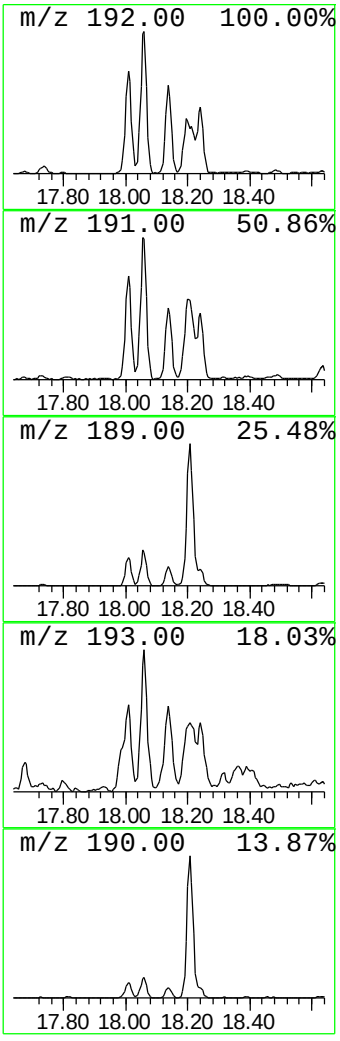
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.88 ng/ul	222763	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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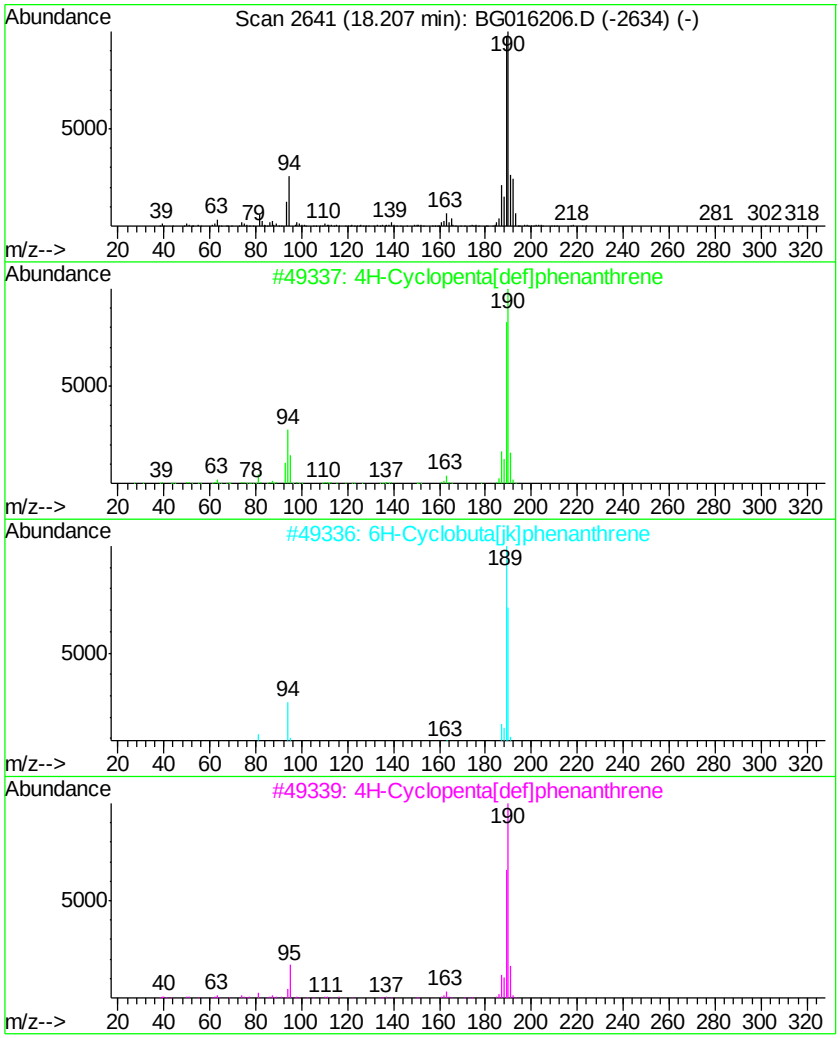
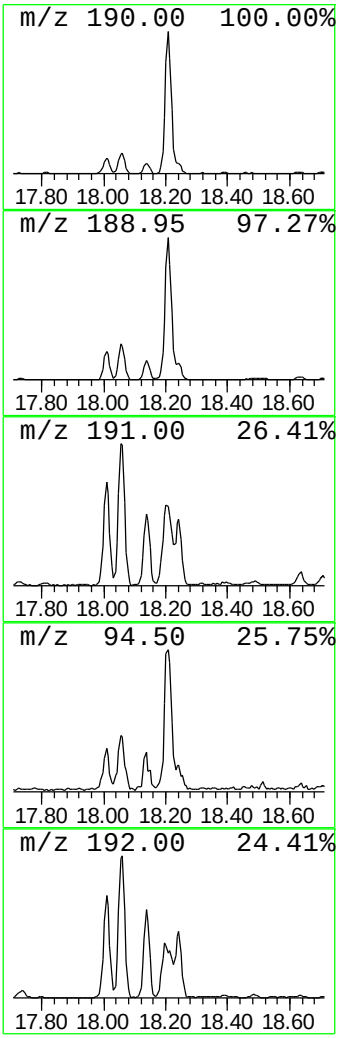
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	10.79 ng/ul	619659	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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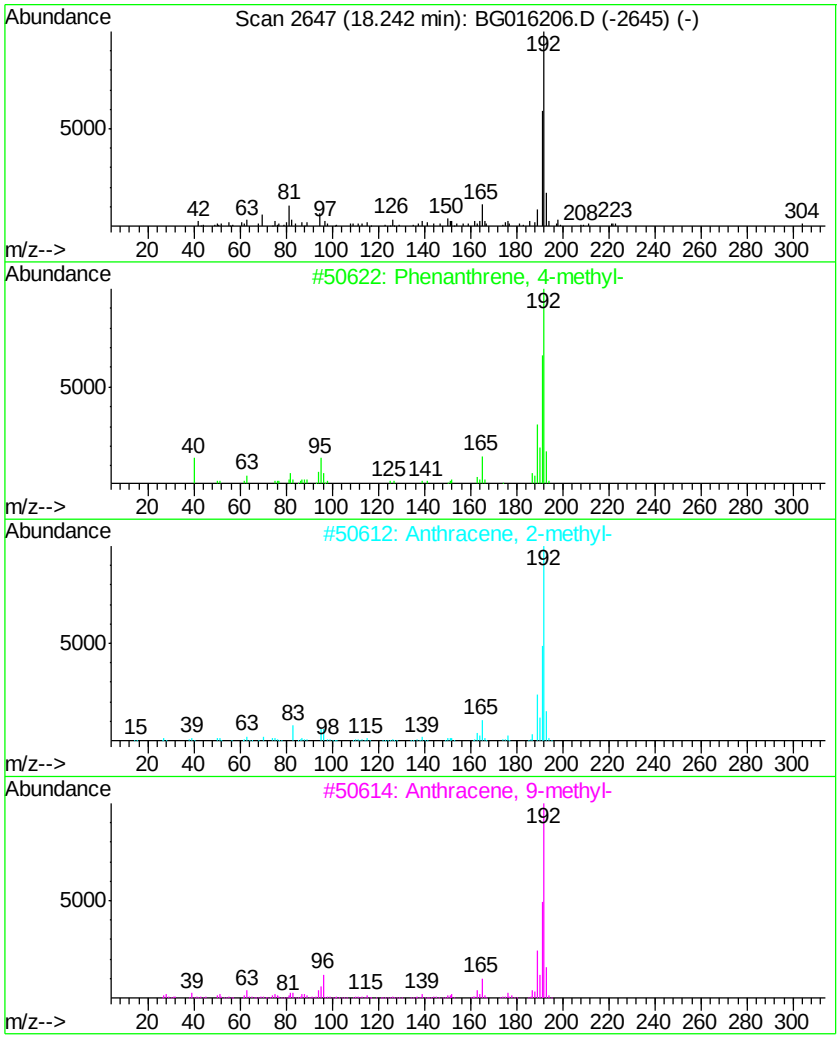
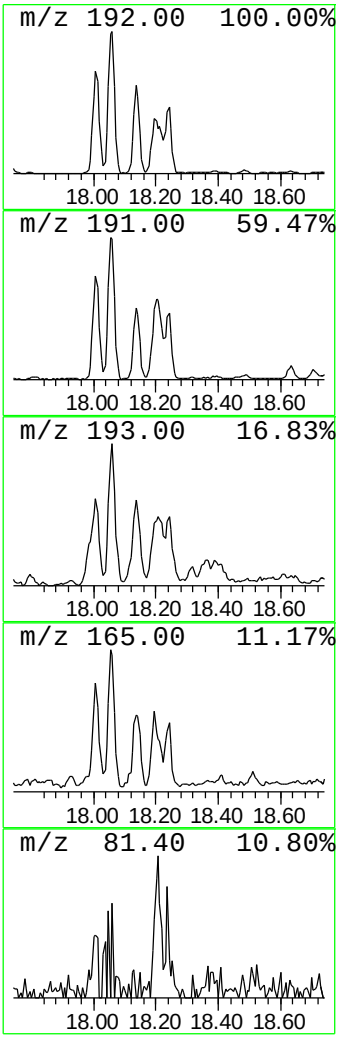
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.17 ng/ul	124418	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Library Search Compound Report

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Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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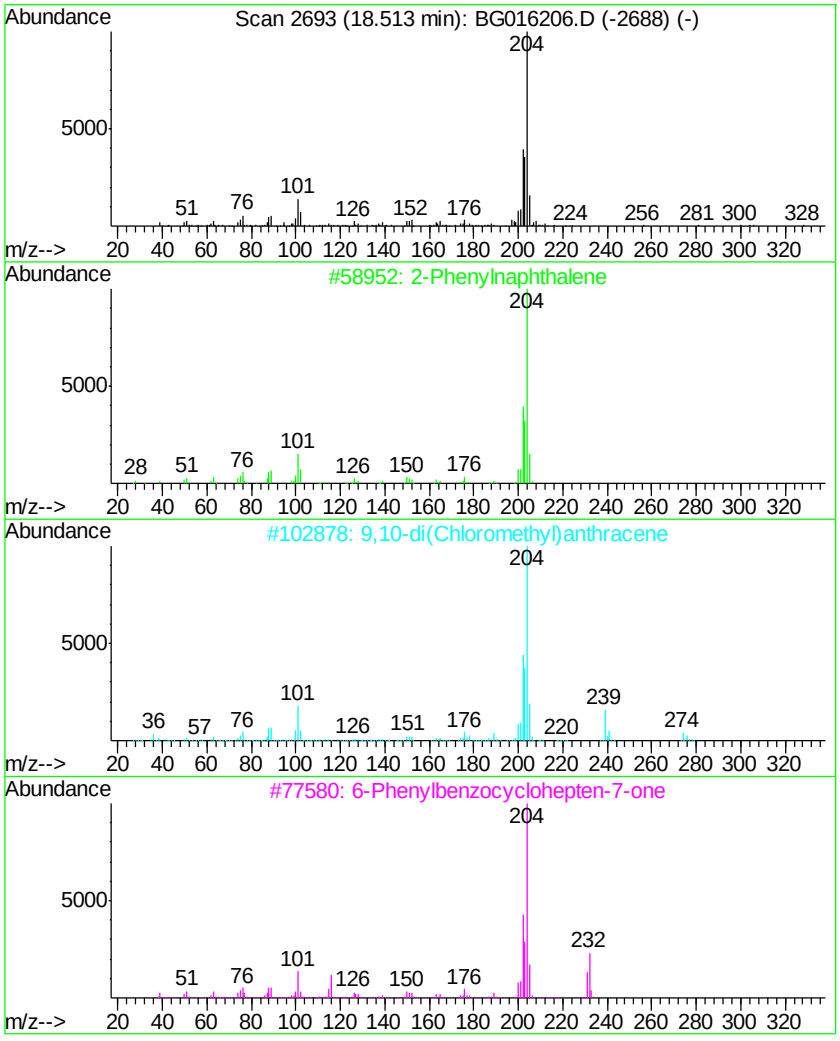
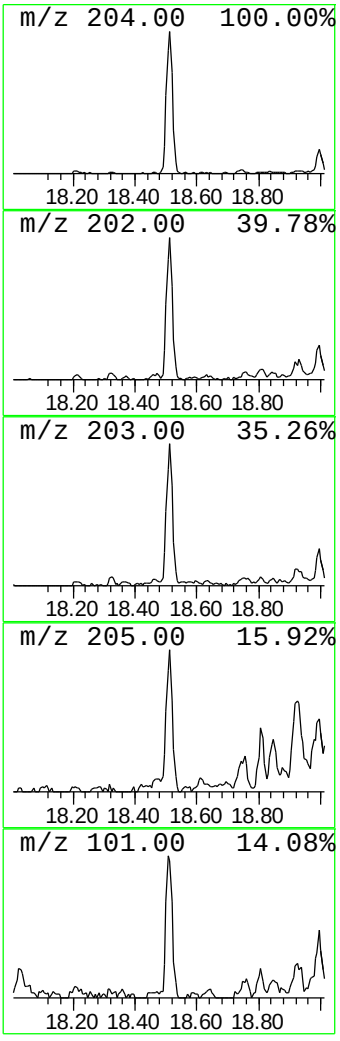
Peak Number 15 2-Phenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.21 ng/ul	184072	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	92
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





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Instrument : BNA_G
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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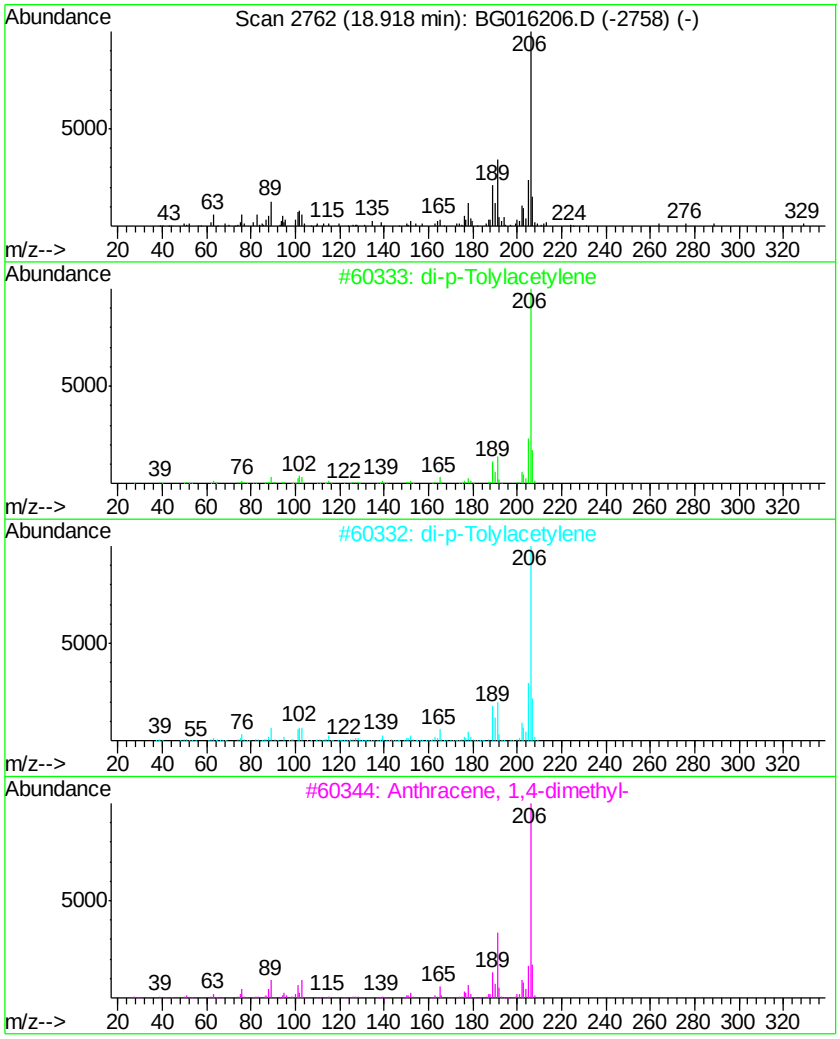
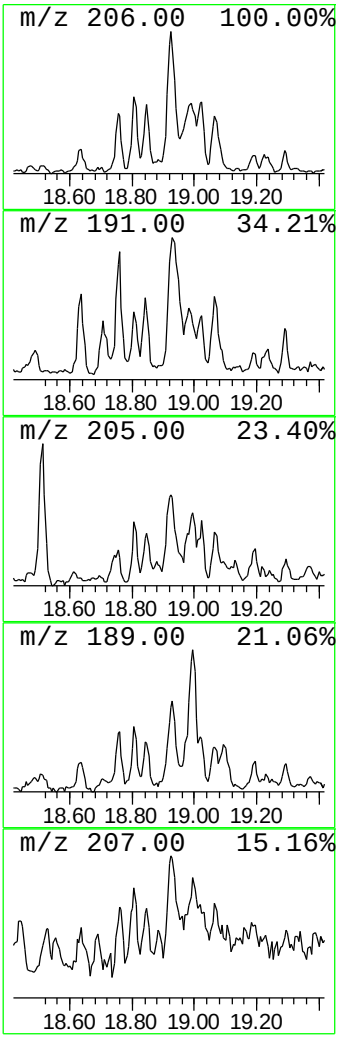
Peak Number 16 di-p-Tolylacetylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.05 ng/ul	117654	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91





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Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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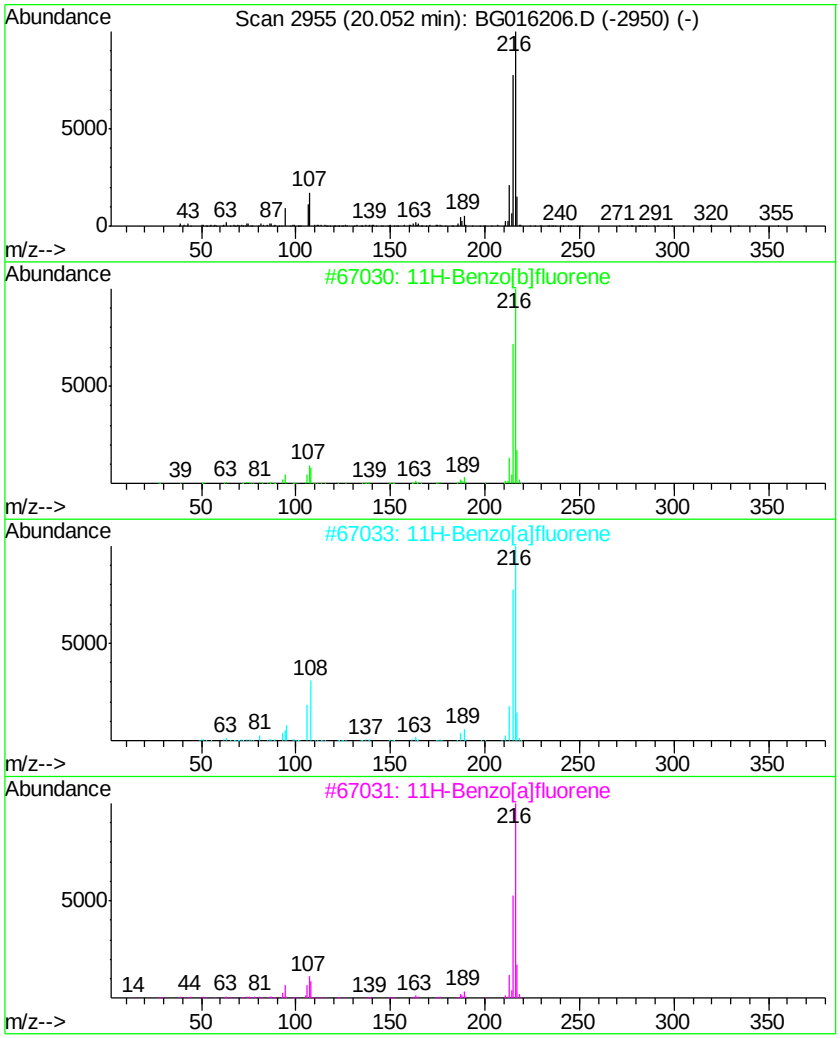
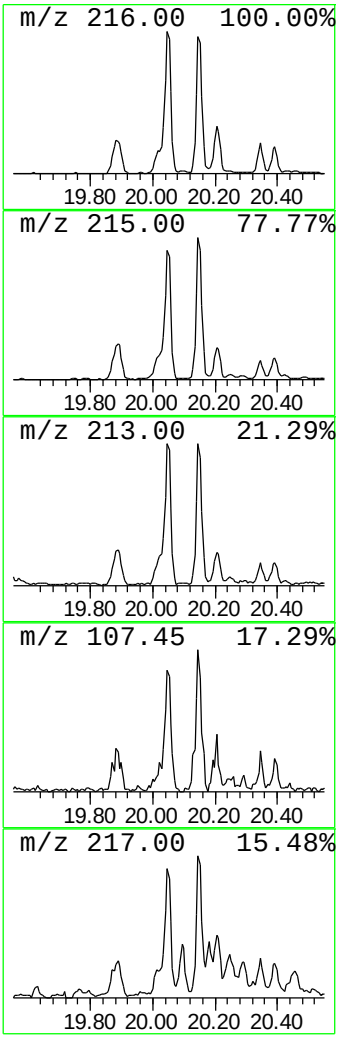
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	3.44 ng/ul	445037	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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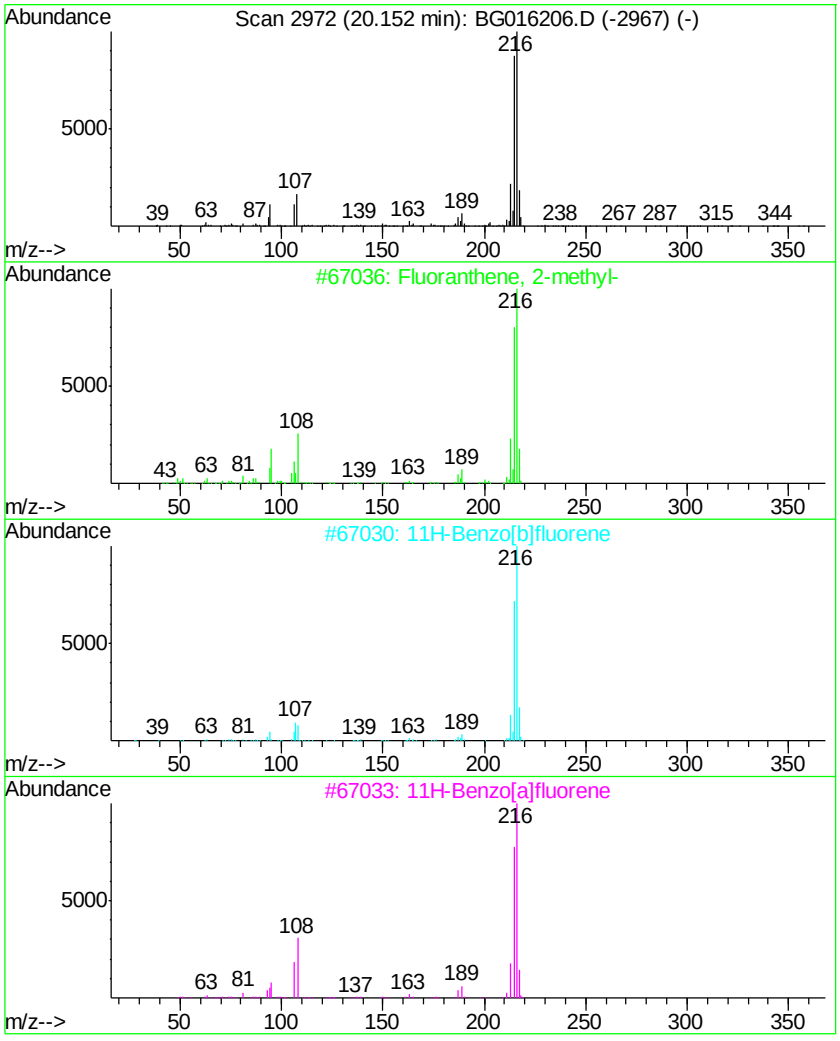
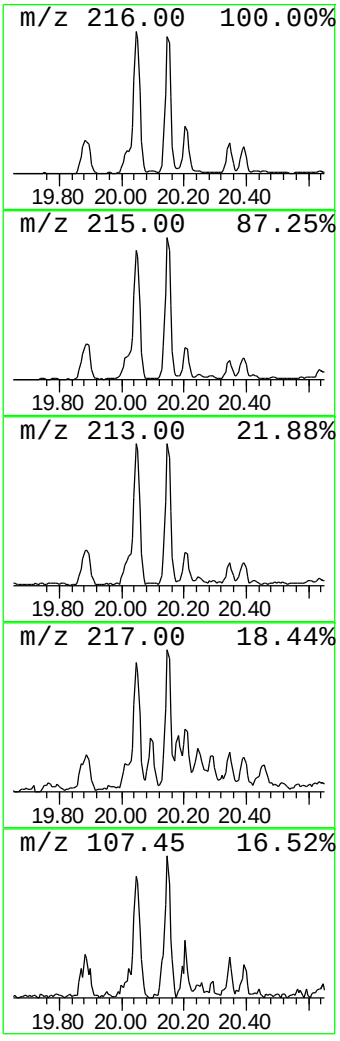
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	3.06 ng/ul	395836	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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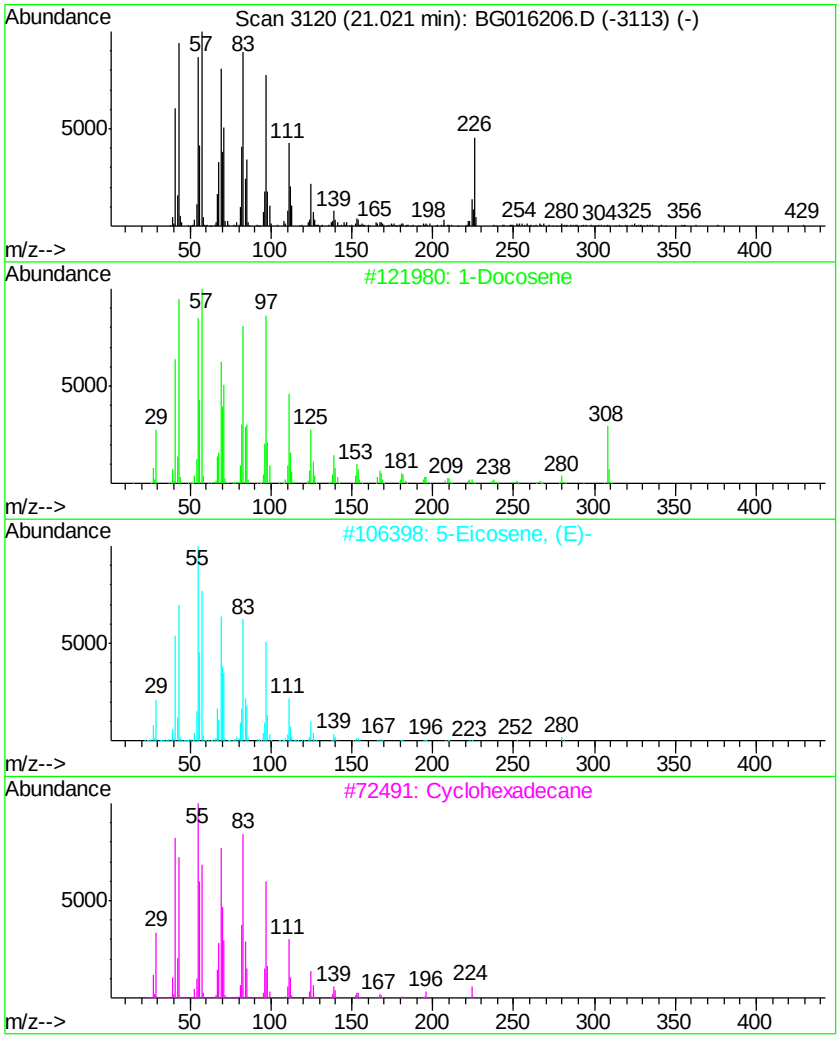
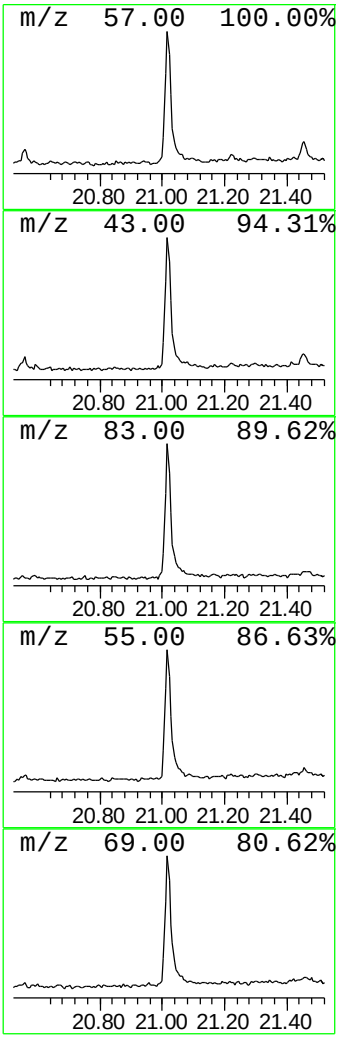
Peak Number 19 1-Docosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	5.89 ng/ul	761519	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	94
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3	Cyclohexadecane	224	C16H32	000295-65-8	91
4	1-Docosene	308	C22H44	001599-67-3	90
5	1-Docosanol	326	C22H46O	000661-19-8	90





Tentatively Identified Compound (LSC) summary

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Data File : BG016206.D
Acq On : 31 Mar 2015 18:54
Operator : TP/IZ
Sample : G1647-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.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...	2.97	45.5	ng/ul	1045430	1	7.77	459254	20.0
Naphthalene, 1,3-...	13.72	2.8	ng/ul	143092	3	14.39	1025050	20.0
[1,1'-Biphenyl]-4...	15.73	2.8	ng/ul	144142	3	14.39	1025050	20.0
Dibenzofuran, 4-m...	15.88	3.9	ng/ul	225171	4	17.14	1148160	20.0
9H-Fluorene, 1-me...	16.44	2.9	ng/ul	165990	4	17.14	1148160	20.0
Dibenzothiophene	16.96	3.7	ng/ul	213261	4	17.14	1148160	20.0
Phenanthrene, 2-m...	18.01	5.6	ng/ul	319823	4	17.14	1148160	20.0
Phenanthrene, 1-m...	18.05	7.9	ng/ul	451005	4	17.14	1148160	20.0
Anthracene, 2-met...	18.14	3.9	ng/ul	222763	4	17.14	1148160	20.0
4H-Cyclopenta[def...	18.21	10.8	ng/ul	619659	4	17.14	1148160	20.0
Phenanthrene, 4-m...	18.24	2.2	ng/ul	124418	4	17.14	1148160	20.0
2-Phenylnaphthalene	18.51	3.2	ng/ul	184072	4	17.14	1148160	20.0
di-p-Tolylacetylene	18.92	2.0	ng/ul	117654	4	17.14	1148160	20.0
11H-Benzo[b]fluorene	20.05	3.4	ng/ul	445037	5	21.31	2586410	20.0
Fluoranthene, 2-m...	20.15	3.1	ng/ul	395836	5	21.31	2586410	20.0
1-Docosene	21.02	5.9	ng/ul	761519	5	21.31	2586410	20.0