LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

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-BG031715.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	2.935	36	42	51	rBV	264648	509946	6.05%	0.543%
2	3.011	51	55	70	rVB	545782	749003	8.89%	0.798%
3	4.010	219	225	236	rVB	656202	917357	10.88%	0.977%
4	6.964	721	728	738	rBV	242870	393703	4.67%	0.419%
5	7.129	749	756	764	rBV	214178	321591	3.82%	0.343%
6	7.329	783	790	798	rVV	250506	393006	4.66%	0.419%
7	7.793	861	869	877	rBV	232064	359567	4.27%	0.383%
8	8.492	981	988	995	rBV	305467	485523	5.76%	0.517%
9	8.944	1059	1065	1073	rVB	217525	359040	4.26%	0.382%
10	9.661	1180	1187	1198	rBV	175232	293647	3.48%	0.313%
11	10.201	1272	1279	1285	rBV	281096	461892	5.48%	0.492%
12	10.577	1332	1343	1349	rBV	335000	579014	6.87%	0.617%
13	10.712	1359	1366	1377	rVV	257341	438841	5.21%	0.467%
14	13.826	1891	1896	1901	rVV	460155	628994	7.46%	0.670%
15	14.108	1933	1944	1960	rVB	606577	949422	11.26%	1.011%
16	14.313	1974	1979	1986	rBV	106500	136458	1.62%	0.145%
17	14.419	1987	1997	2003	rBV2	507004	814069	9.66%	0.867%
18	14.478	2003	2007	2015	rVB	110836	169875	2.02%	0.181%
19	14.613	2025	2030	2036	rBV	179908	291902	3.46%	0.311%
20	14.813	2060	2064	2071	rVB	97189	151142	1.79%	0.161%
21	15.265	2137	2141	2145	rVB	105499	135566	1.61%	0.144%
22	15.406	2160	2165	2170	rVV	719073	1000234	11.87%	1.065%
23	15.459	2170	2174	2180	rVV	164502	234507	2.78%	0.250%
24	15.523	2181	2185	2192	rVV	82576	127251	1.51%	0.136%
25	15.664	2204	2209	2214	rVV	143566	217081	2.58%	0.231%
26	15.753	2220	2224	2231	rVB	83194	126159	1.50%	0.134%
27	15.899	2241	2249	2256	rVB2	66466	156782	1.86%	0.167%
28	16.123	2282	2287	2296	rBV4	145945	339301	4.03%	0.361%
29	16.463	2336	2345	2350	rBV3	96493	188588	2.24%	0.201%
30	16.687	2376	2383	2387	rBV2	88347	155607	1.85%	0.166%
31	16.810	2400	2404	2411	rVB2	70175	109212	1.30%	0.116%
32	16.886	2412	2417	2418	rVV	80826	104225	1.24%	0.111%
33	16.910	2418	2421	2425	rVV	122052	172135	2.04%	0.183%
34	16.969	2427	2431	2441	rVB2	95052	189873	2.25%	0.202%

LSC Area Percent Report

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Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

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-BG031715.M
Title : SVOA CALIBRATION

35	17.157	2457	2463	2466	rBV	571781	819480	9.72%	0.873%
36	17.198	2466	2470	2475	rVV	1469815	2112273	25.06%	2.250%
37	17.256	2475	2480	2483	rVV	742092	1098629	13.03%	1.170%
38	17.286	2483	2485	2490	rVB	506503	618157	7.33%	0.658%
39	17.345	2490	2495	2500	rBV2	92570	150240	1.78%	0.160%
40	18.032	2602	2612	2616	rBV	327840	610978	7.25%	0.651%
41	18.079	2616	2620	2626	rVB	489294	703288	8.34%	0.749%
42	18.155	2628	2633	2639	rBV	210922	308399	3.66%	0.329%
43	18.226	2639	2645	2649	rVV3	911004	1510780	17.92%	1.609%
44	18.261	2649	2651	2657	rVB	236765	283548	3.36%	0.302%
45	18.343	2660	2665	2668	rBV4	76281	107661	1.28%	0.115%
46	18.531	2692	2697	2701	rVV	264209	336162	3.99%	0.358%
47	18.825	2743	2747	2750	rBV	113126	126837	1.50%	0.135%
48	18.866	2750	2754	2758	rVB	95894	125579	1.49%	0.134%
49	18.948	2762	2768	2775	rBV3	196504	453550	5.38%	0.483%
50	19.013	2775	2779	2782	rVV	111021	131312	1.56%	0.140%
51	19.095	2788	2793	2801	rVB2	336723	567302	6.73%	0.604%
52	19.224	2807	2815	2820	rBV	5285741	8429246	100.00%	8.979%
53	19.277	2820	2824	2827	rBV	80212	105424	1.25%	0.112%
54	19.312	2827	2830	2834	rVB2	148692	191282	2.27%	0.204%
55	19.453	2848	2854	2858	rVV2	175577	321848	3.82%	0.343%
56	19.547	2865	2870	2872	rBV2	1633244	2375702	28.18%	2.531%
57	19.583	2872	2876	2883	rVV	4630302	7407582	87.88%	7.891%
58	19.647	2883	2887	2894	rVB2	255429	384148	4.56%	0.409%
59	19.753	2901	2905	2911	rVB	342637	432392	5.13%	0.461%
60	19.818	2911	2916	2921	rVB	376031	531082	6.30%	0.566%
61	19.900	2923	2930	2936	rBV3	397497	1051289	12.47%	1.120%
62	20.035	2947	2953	2954	rBV3	313617	522324	6.20%	0.556%
63	20.070	2955	2959	2964	rVB	1185088	1595807	18.93%	1.700%
64	20.170	2971	2976	2980	rBV	1005169	1266778	15.03%	1.349%
65	20.223	2980	2985	2990	rVB2	525644	941890	11.17%	1.003%
66	20.305	2996	2999	3003	rVB2	99396	128727	1.53%	0.137%
67	20.364	3005	3009	3013	rBV	242783	319761	3.79%	0.341%
68	20.411	3013	3017	3021	rBV2	276669	360726	4.28%	0.384%
69	20.622	3049	3053	3056	rBV5	109643	204182	2.42%	0.217%
70	20.769	3075	3078	3082	rBV	183114	285746	3.39%	0.304%
71	20.810	3082	3085	3092	rVB	305829	480426	5.70%	0.512%

LSC Area Percent Report

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Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

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-BG031715.M
Title : SVOA CALIBRATION

72	20.981	3109	3114	3117	rBV4	330716	508952	6.04%	0.542%
73	21.016	3117	3120	3124	rVV2	560548	930855	11.04%	0.992%
74	21.057	3124	3127	3132	rVV2	575260	849169	10.07%	0.905%
75	21.110	3132	3136	3146	rVB2	391539	662022	7.85%	0.705%
76	21.216	3147	3154	3160	rBV	167839	473688	5.62%	0.505%
77	21.321	3163	3172	3177	rBV3	3984677	7011178	83.18%	7.468%
78	21.374	3177	3181	3189	rVB	2726416	3811361	45.22%	4.060%
79	21.486	3196	3200	3204	rBV	489978	599497	7.11%	0.639%
80	21.533	3205	3208	3212	rBV	245243	313950	3.72%	0.334%
81	21.645	3222	3227	3232	rVV3	412941	658756	7.82%	0.702%
82	21.692	3232	3235	3239	rVB3	92624	111882	1.33%	0.119%
83	21.880	3261	3267	3271	rBV	572765	965225	11.45%	1.028%
84	21.932	3273	3276	3283	rVB	306542	449913	5.34%	0.479%
85	22.044	3291	3295	3299	rBV2	292032	437501	5.19%	0.466%
86	22.085	3299	3302	3305	rVV	319398	474467	5.63%	0.505%
87	22.120	3305	3308	3313	rVB3	426585	607490	7.21%	0.647%
88	22.179	3314	3318	3328	rVB3	266670	500826	5.94%	0.533%
89	22.937	3439	3447	3452	rBV	2325122	5830359	69.17%	6.211%
90	23.107	3470	3476	3481	rVB	654627	1132546	13.44%	1.206%
91	23.248	3495	3500	3508	rBV2	155729	427569	5.07%	0.455%
92	23.430	3524	3531	3536	rBV2	1193522	2526881	29.98%	2.692%
93	23.483	3536	3540	3542	rVV2	491725	828916	9.83%	0.883%
94	23.530	3542	3548	3555	rVB	2385211	4595773	54.52%	4.895%
95	23.624	3559	3564	3568	rVV	450234	891102	10.57%	0.949%
96	23.677	3568	3573	3580	rVB2	715667	1451772	17.22%	1.546%
97	25.980	3954	3965	3974	rVB	1031529	3280387	38.92%	3.494%
98	26.238	4003	4009	4016	rVB	191198	497580	5.90%	0.530%
99	26.697	4077	4087	4104	rVB	607913	2082011	24.70%	2.218%
100	27.073	4146	4151	4170	rVB3	258238	905267	10.74%	0.964%

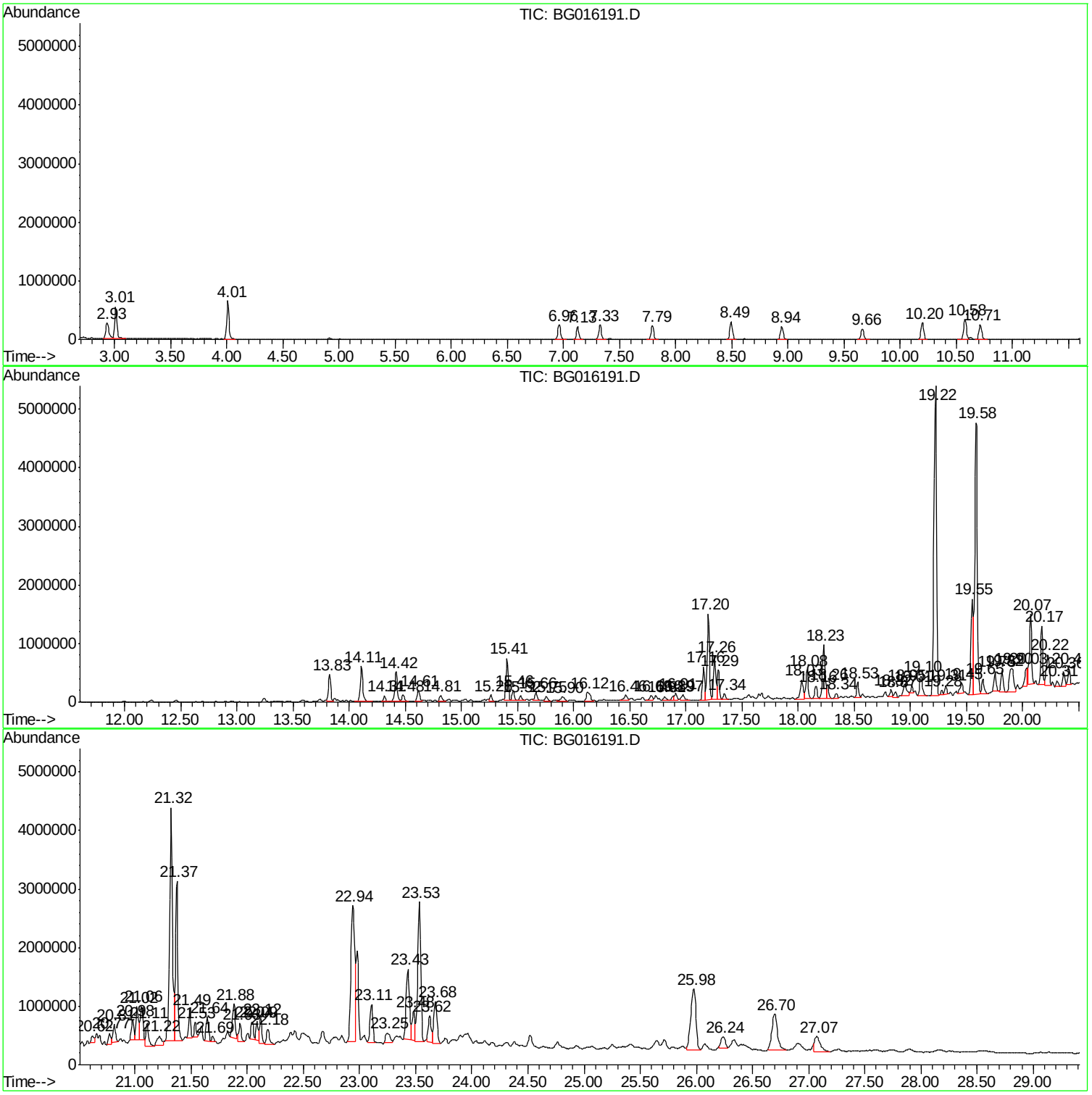
Sum of corrected areas: 93877945

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

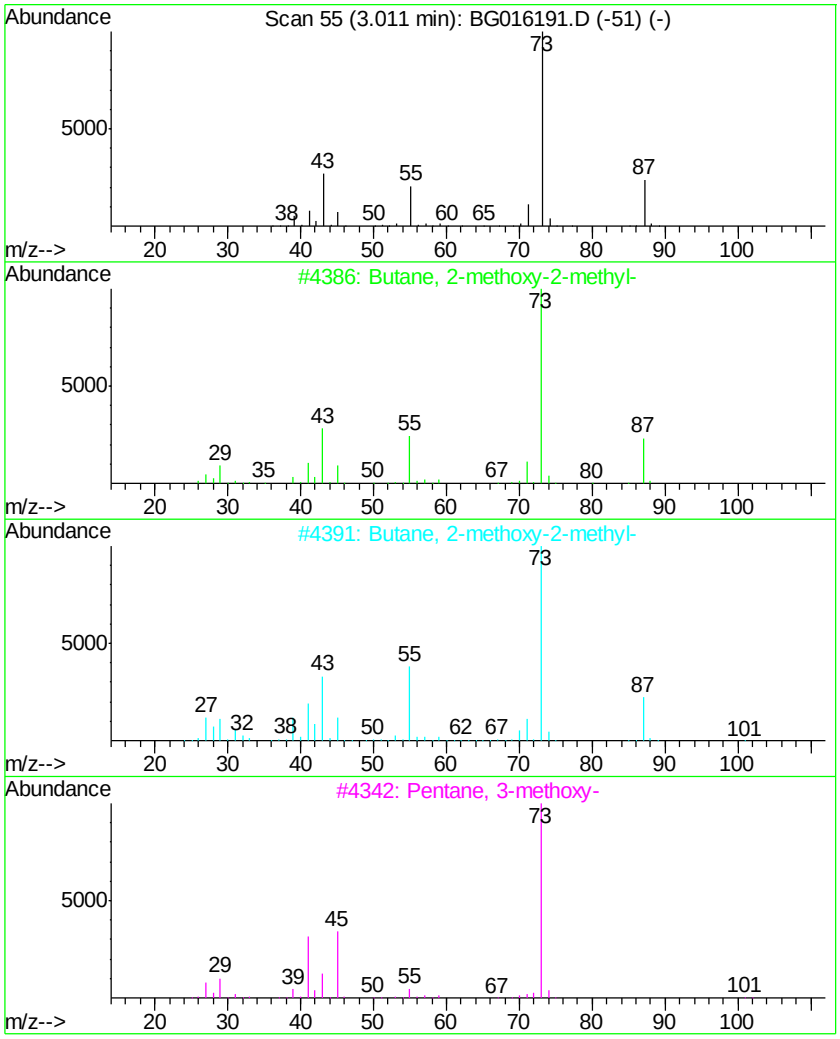
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

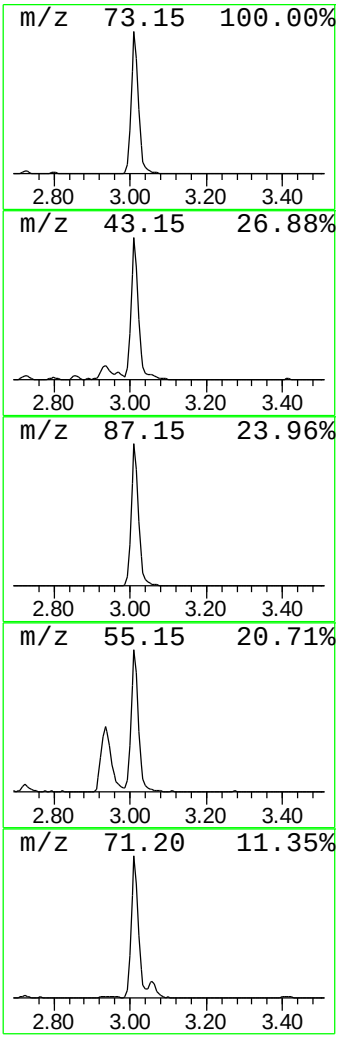
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	41.66 ng/ul	749003	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

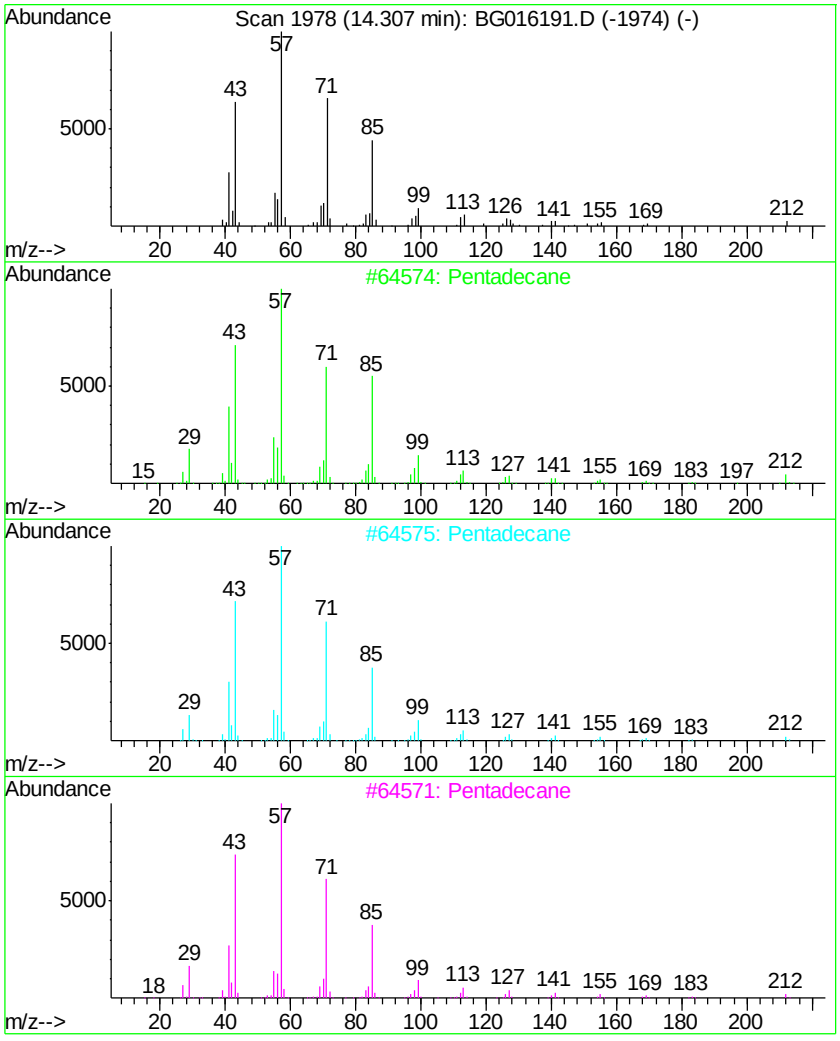
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

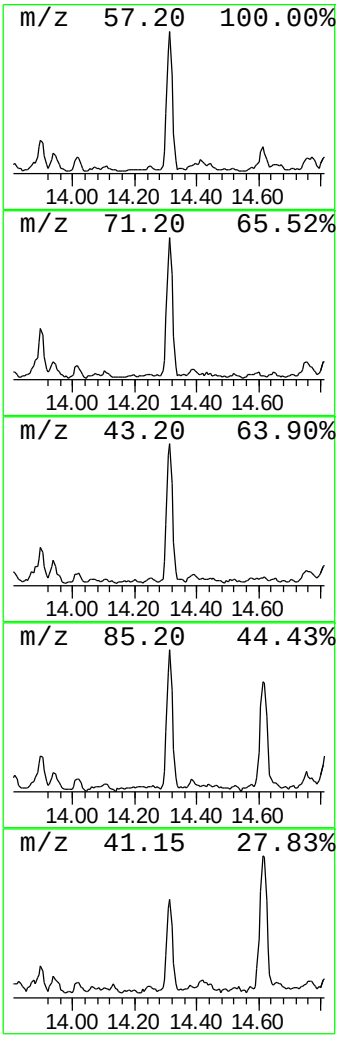
****

Peak Number 4 (DEL) Alkane: Straight-Chain Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	3.35 ng/ul	136458	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	97
2	Pentadecane	212	C15H32	000629-62-9	95
3	Pentadecane	212	C15H32	000629-62-9	95
4	Pentadecane	212	C15H32	000629-62-9	94
5	Tetradecane	198	C14H30	000629-59-4	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

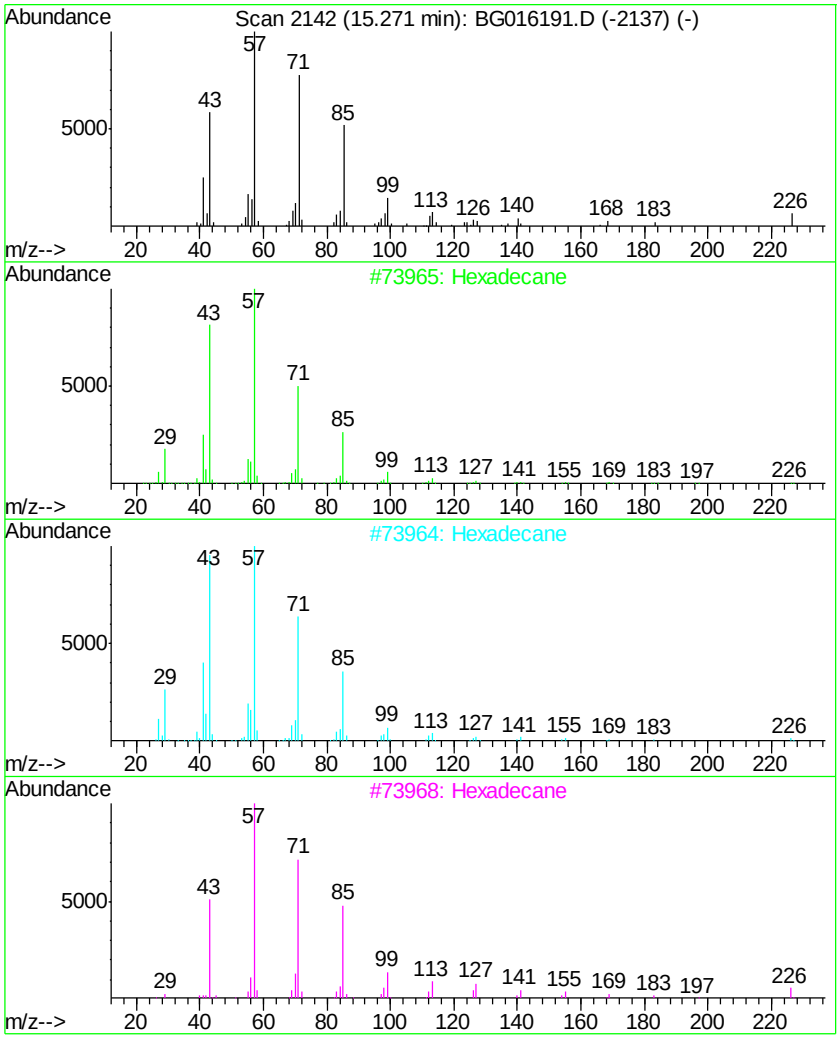
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

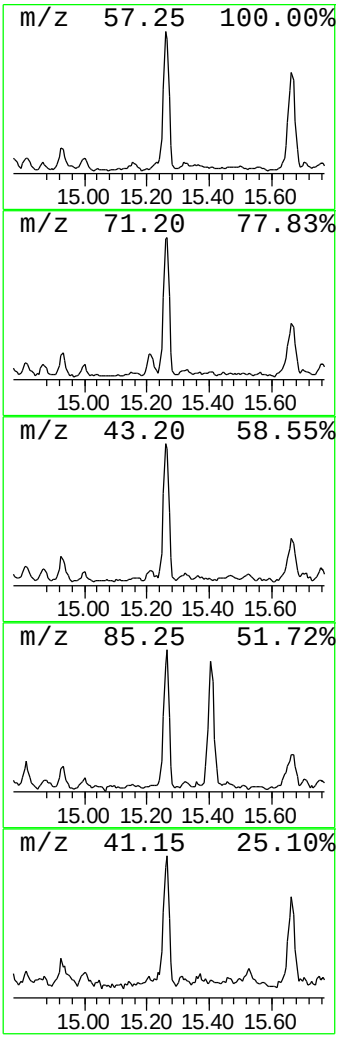
****

Peak Number 5 (DEL) Alkane: Straight-Chain Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.33 ng/ul	135566	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	83
3	Hexadecane	226	C16H34	000544-76-3	81
4	Pentadecane	212	C15H32	000629-62-9	80
5	Hexadecane	226	C16H34	000544-76-3	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

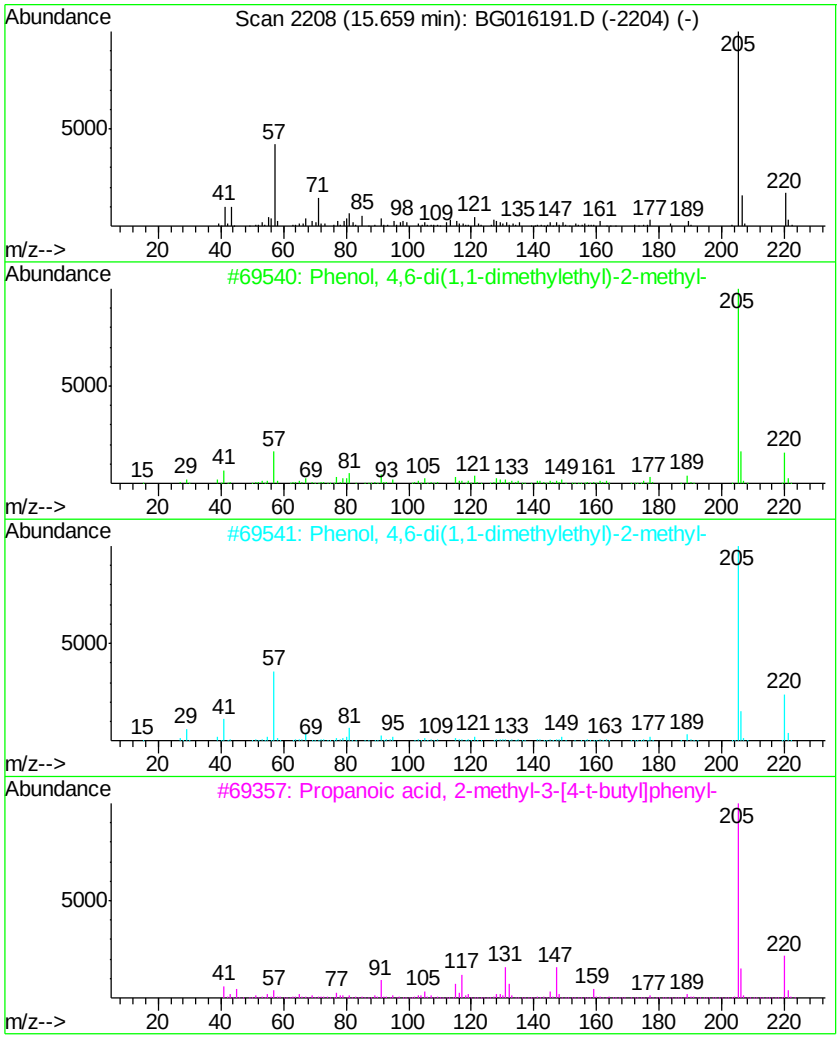
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

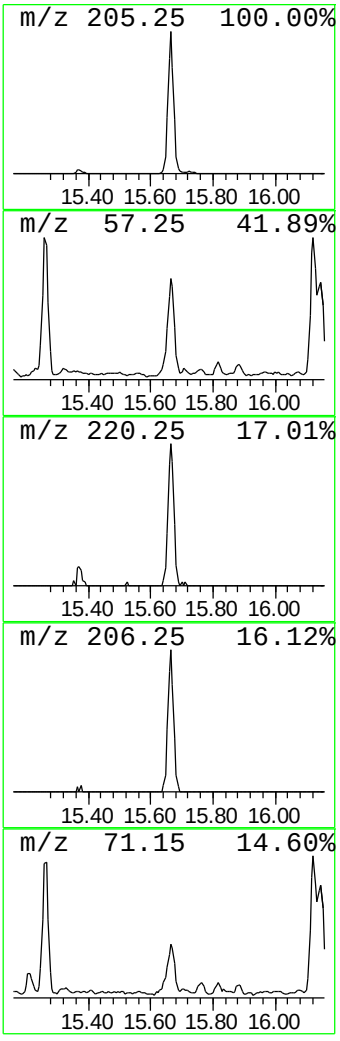
****

Peak Number 6 Phenol, 4,6-di(1,1-dimethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	5.33 ng/ul	217081	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	74
2	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	74
3	Propanoic acid, 2-methyl-3-[4-t-...	220	C14H20O2	1000131-87-0	68
4	4,6-di-tert-Butyl-m-cresol	220	C15H24O	000497-39-2	64
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

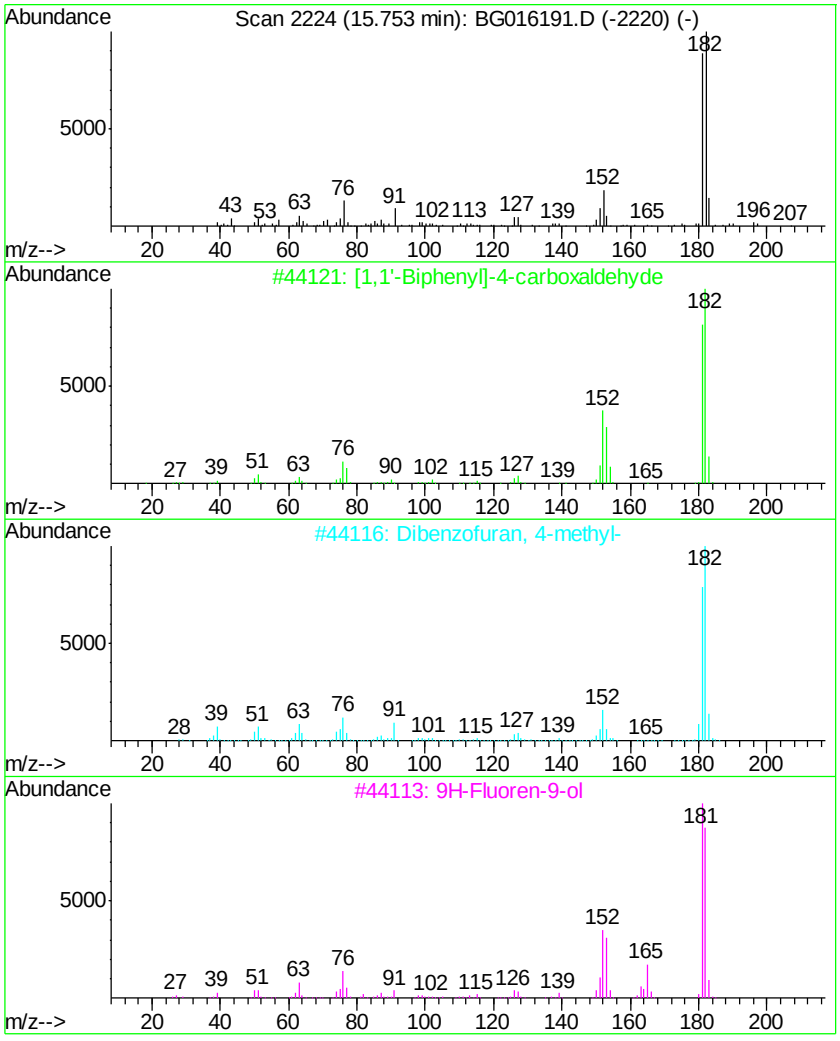
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

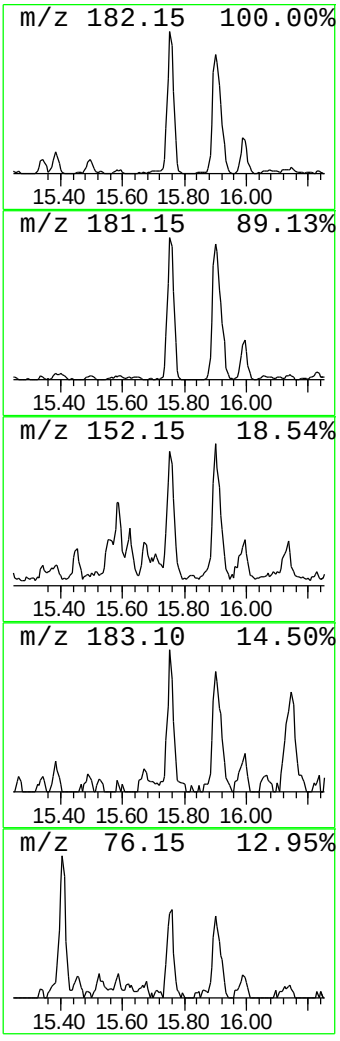
****

Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	3.10 ng/ul	126159	Acenaphthene-d10	14.42

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	86
4	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





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Operator : TP/IZ
Sample : G1647-08
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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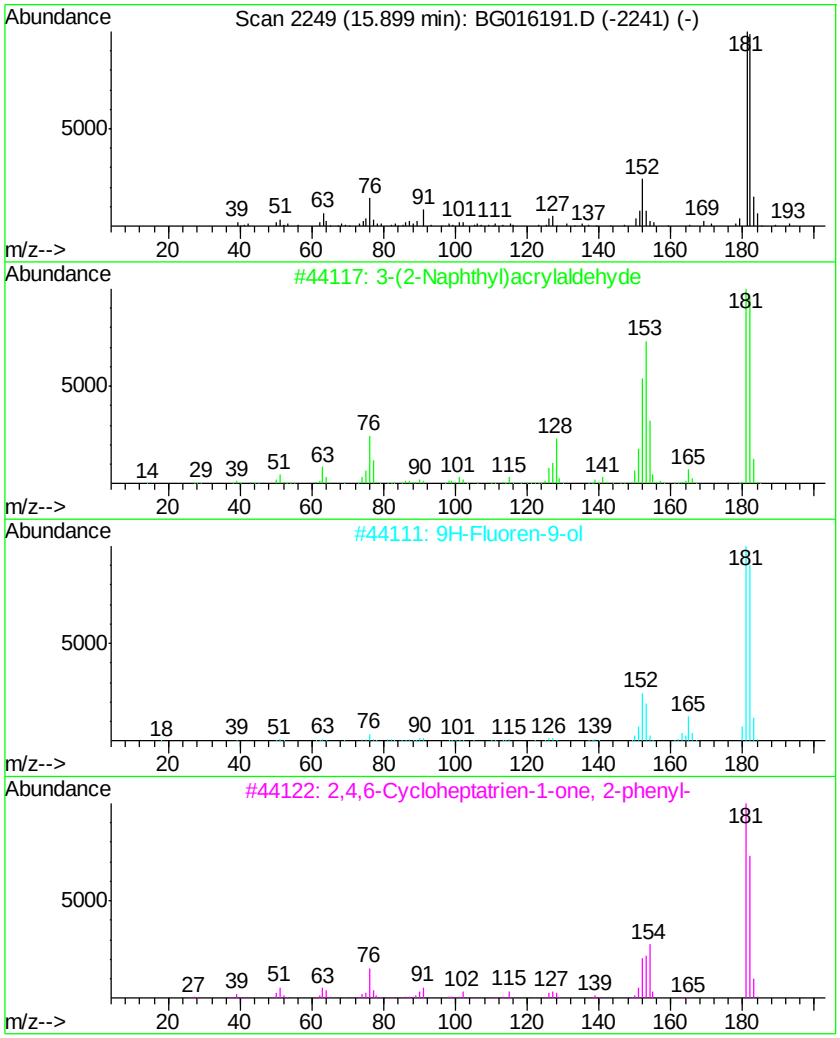
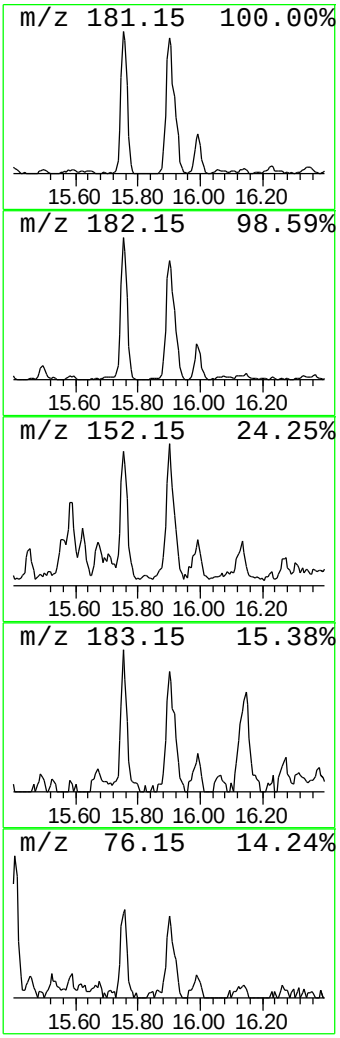
Peak Number 8 3-(2-Naphthyl)acrylaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.83 ng/ul	156782	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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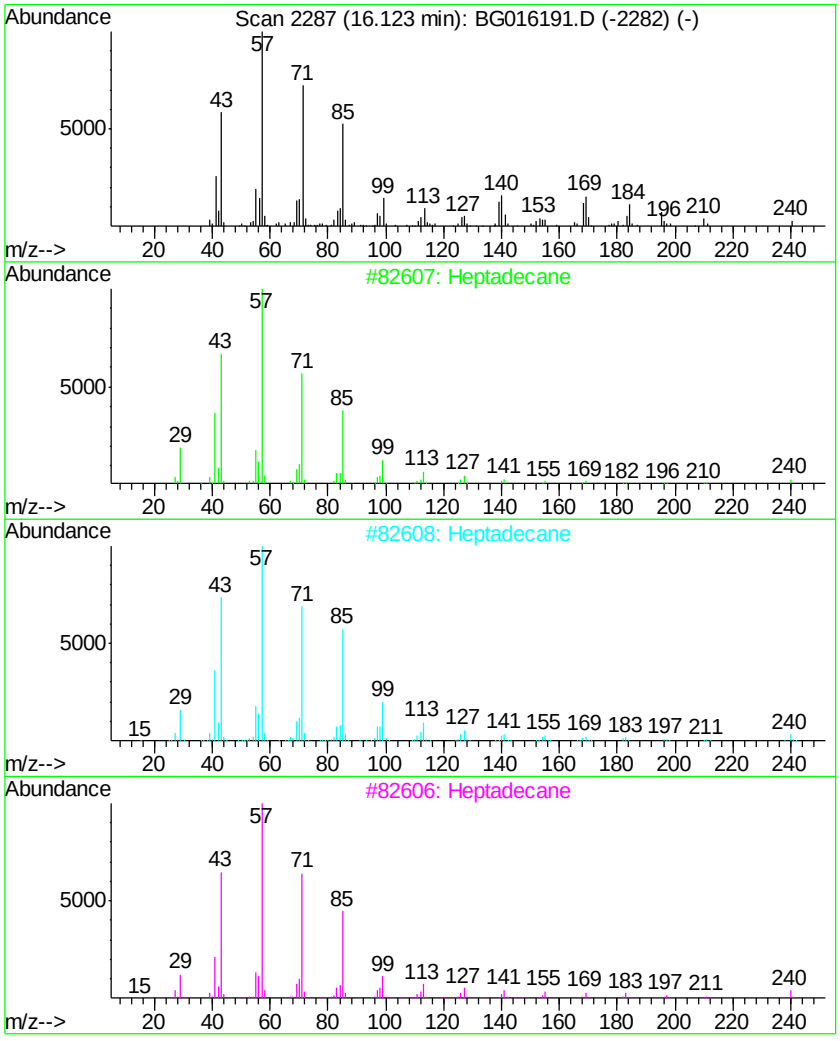
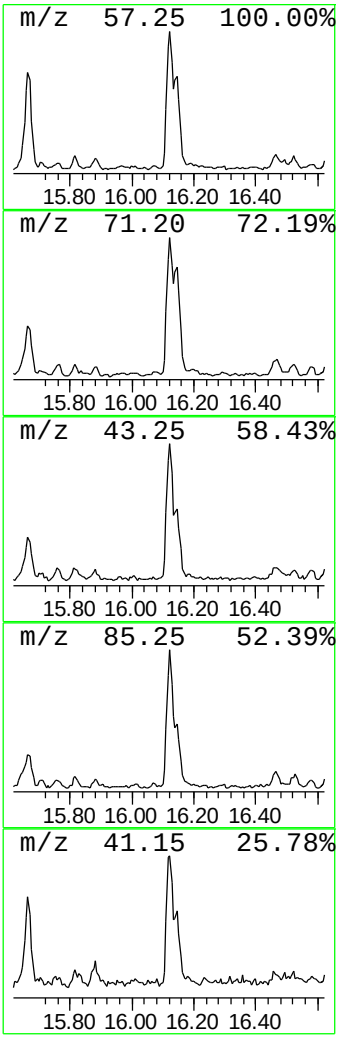
Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	8.28 ng/ul	339301	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptadecane	240	C17H36	000629-78-7	83
4	Tetradecane	198	C14H30	000629-59-4	78
5	Dodecane	170	C12H26	000112-40-3	60





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Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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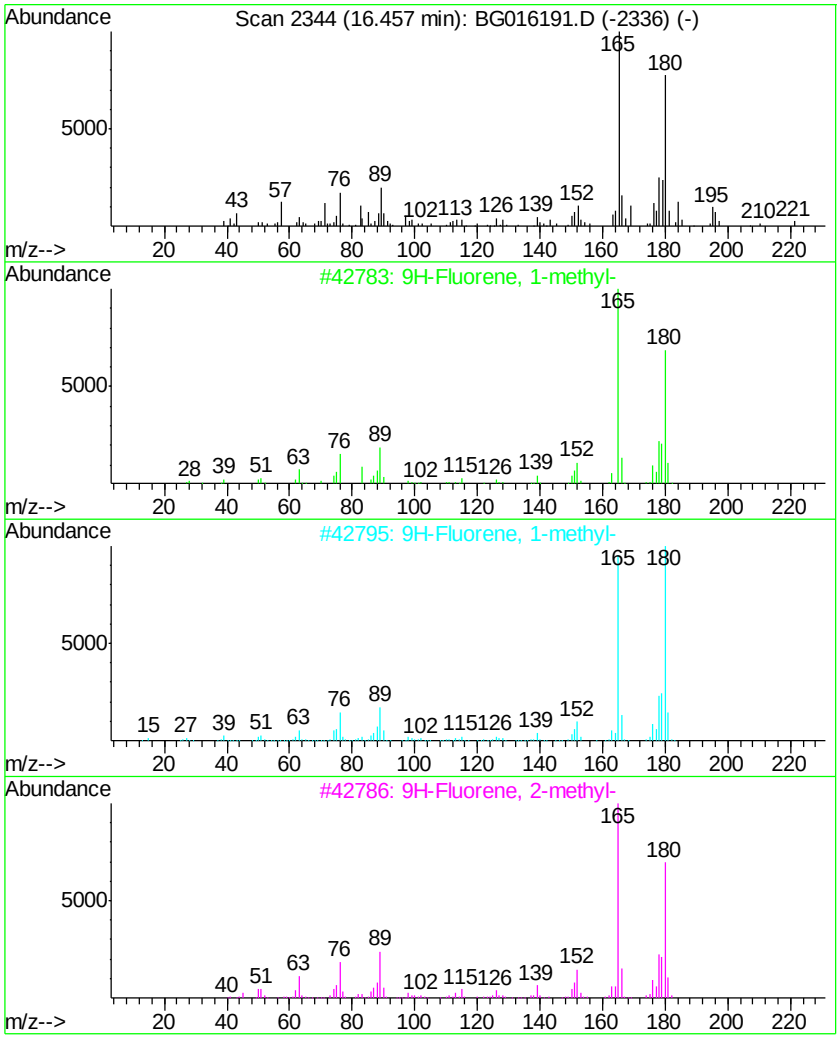
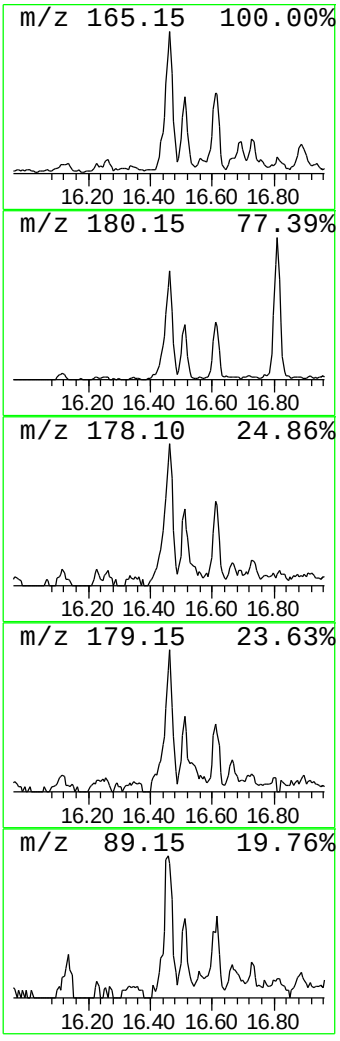
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.60 ng/ul	188588	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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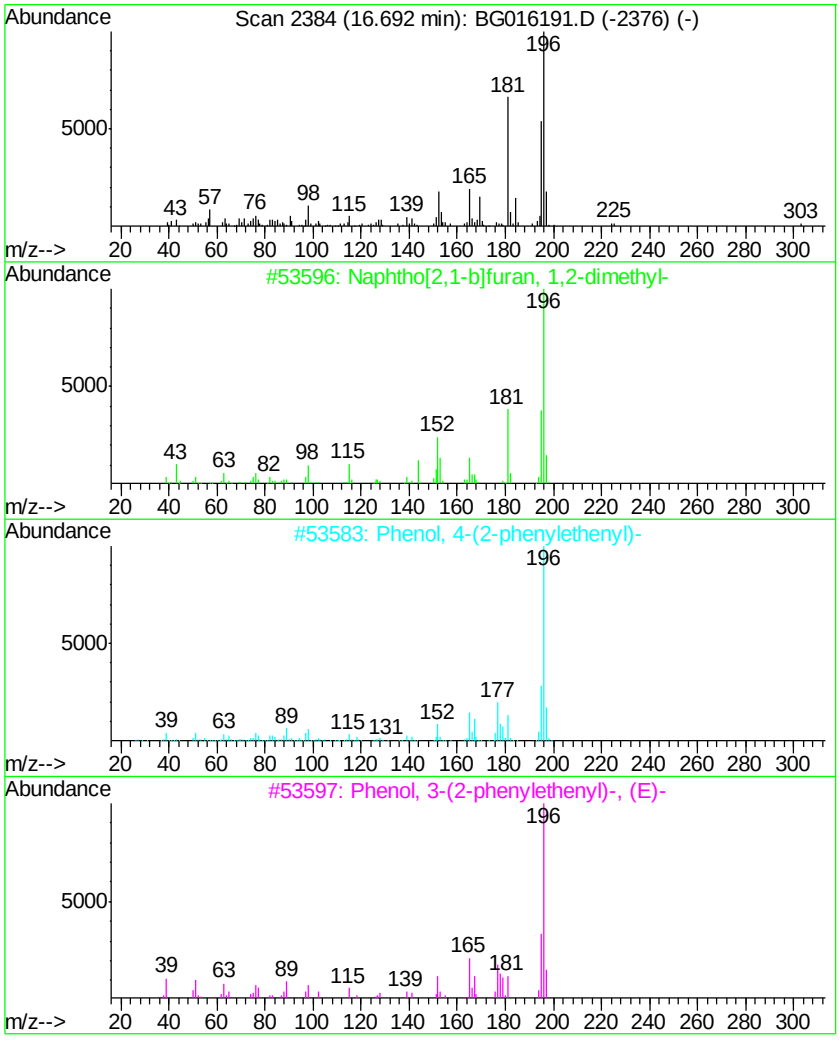
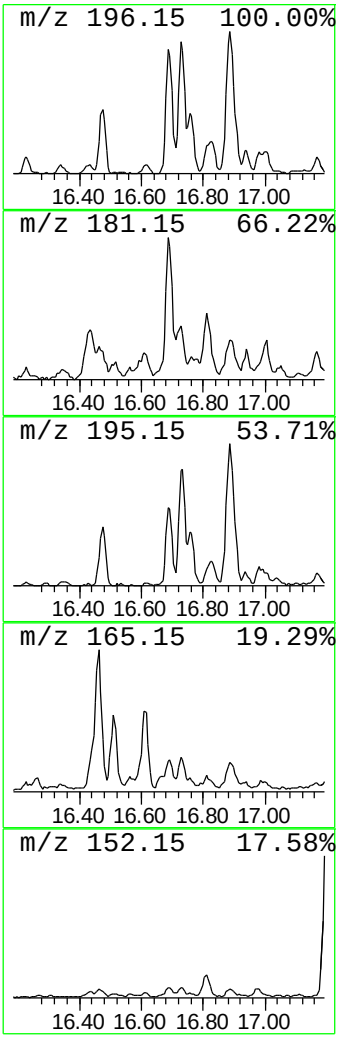
Peak Number 11 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.80 ng/ul	155607	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	70
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49





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Quant Title : SVOA CALIBRATION

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

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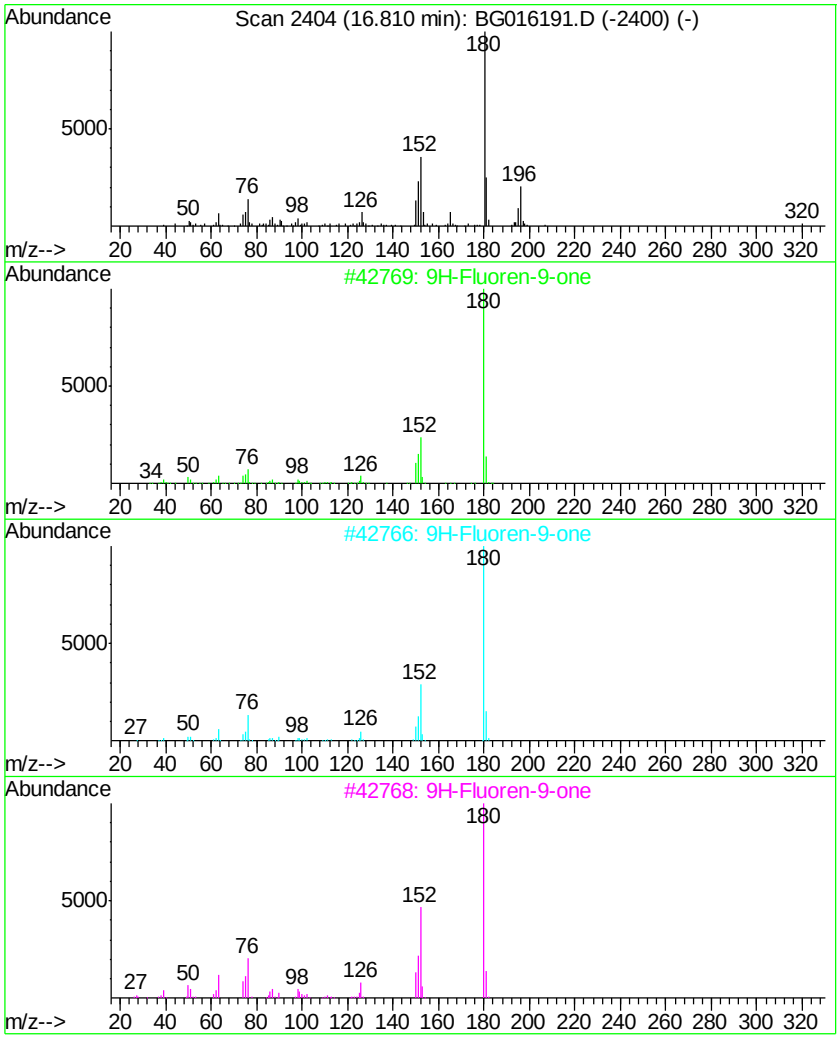
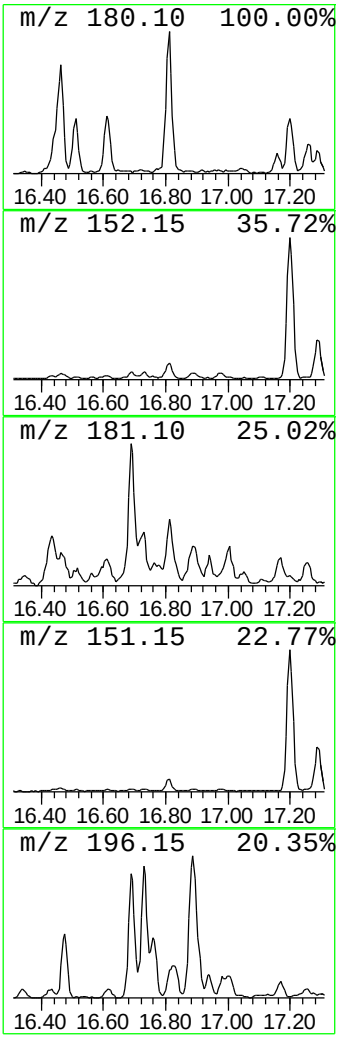
Peak Number 12 9H-Fluoren-9-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.67 ng/ul	109212	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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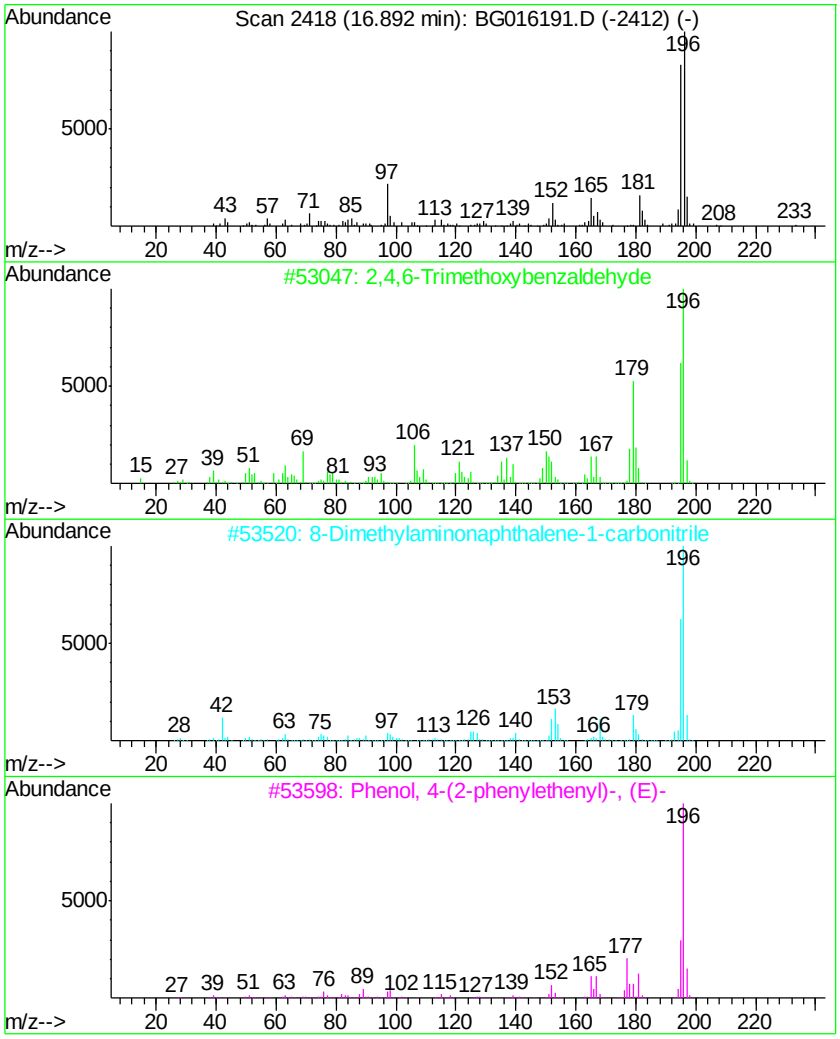
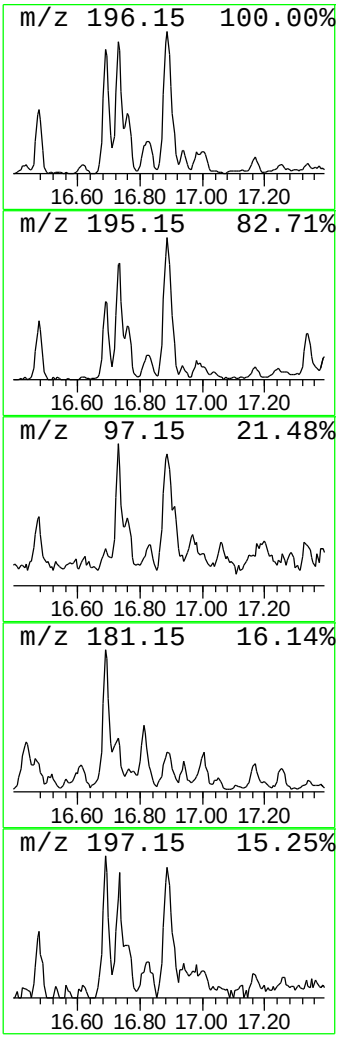
Peak Number 13 2,4,6-Trimethoxybenzaldehyde Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.54 ng/ul	104225	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





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Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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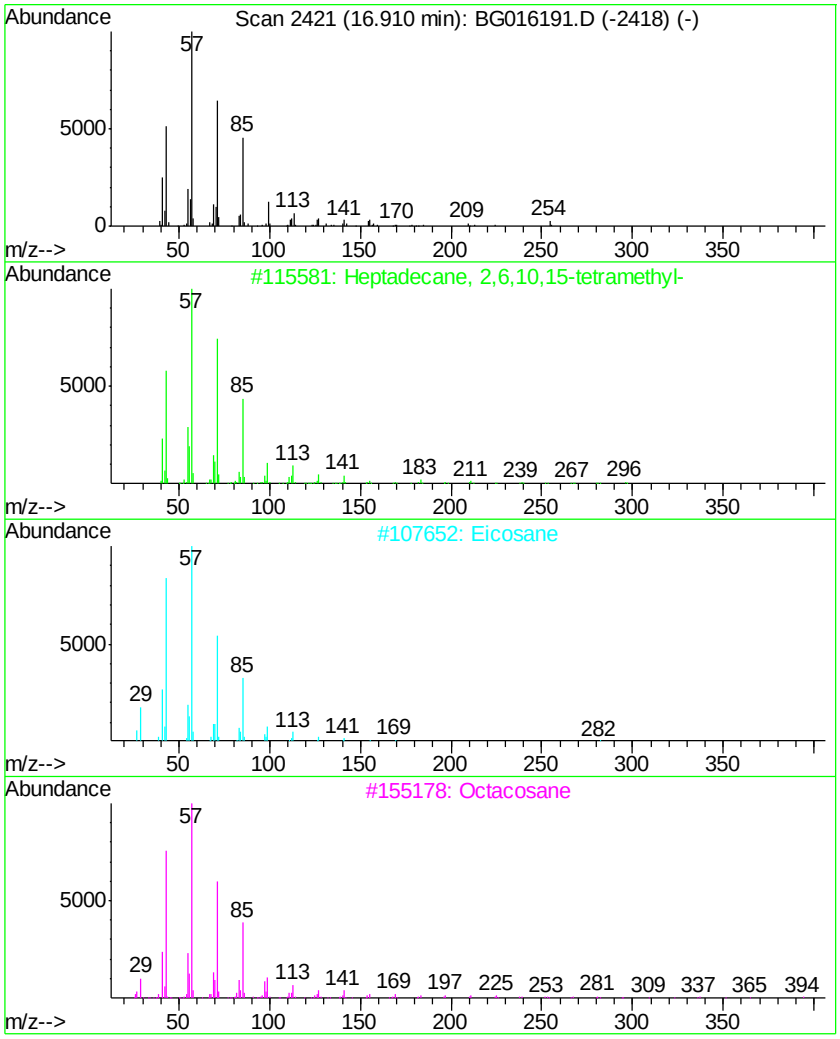
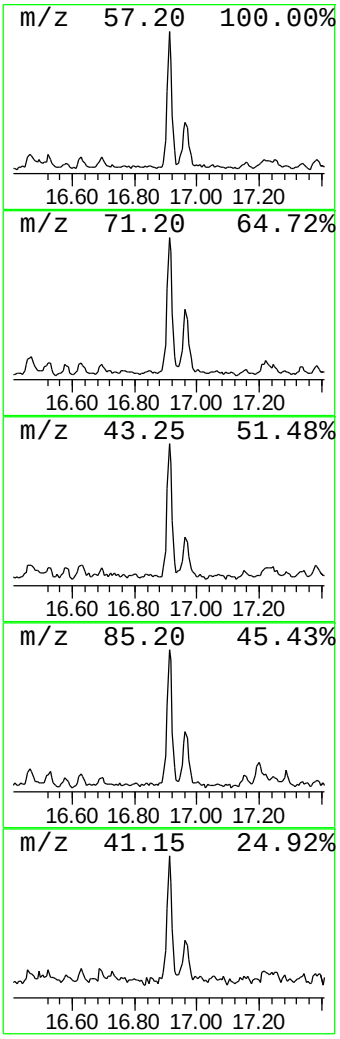
Peak Number 14 (DEL) Alkane: Straight-Chain Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	4.20 ng/ul	172135	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	Eicosane	282	C20H42	000112-95-8	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Hexadecane	226	C16H34	000544-76-3	90





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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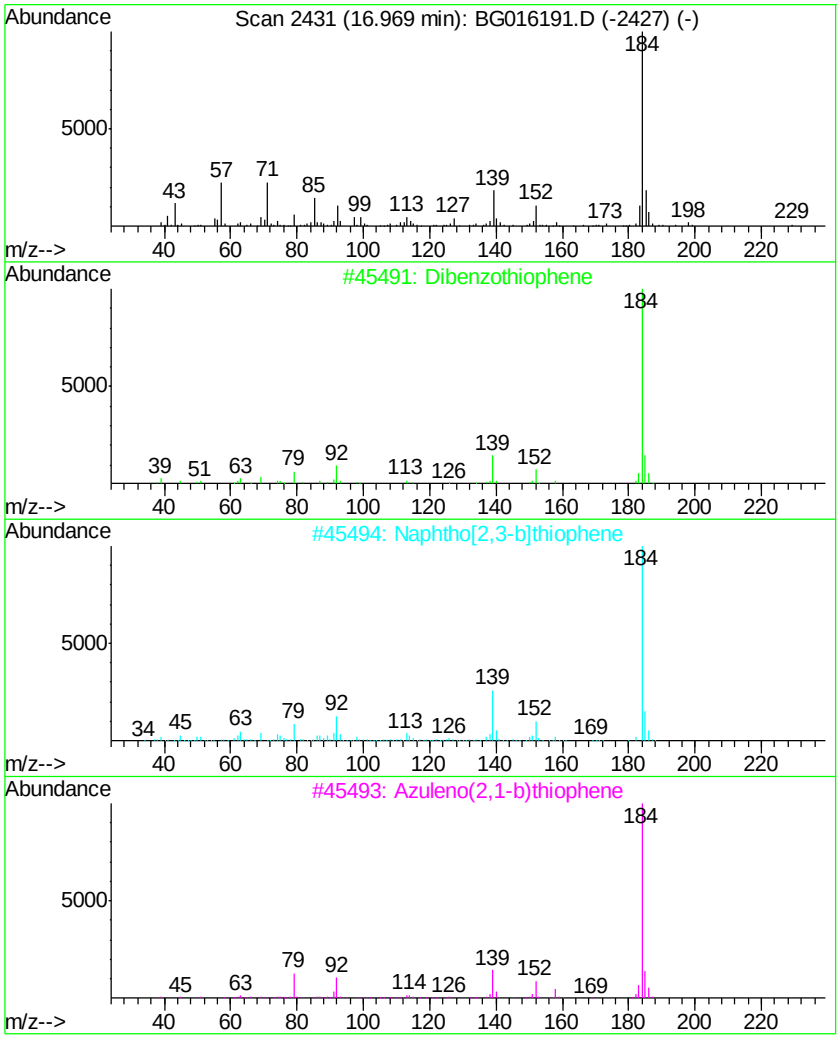
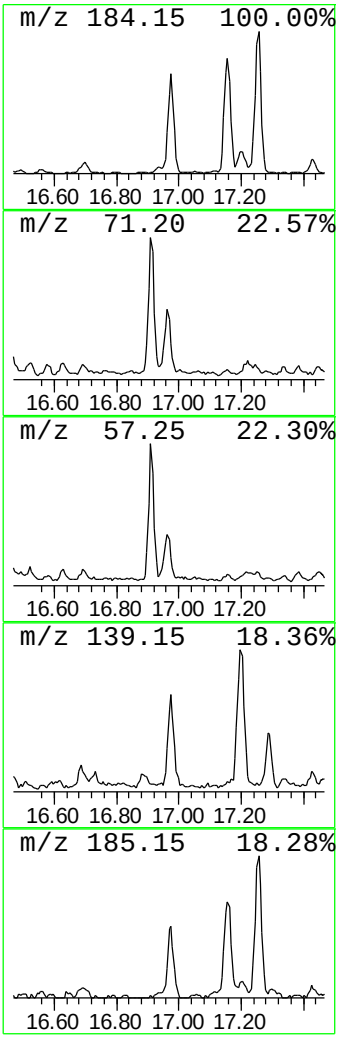
Peak Number 15 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	4.63 ng/ul	189873	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	89
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
4	Dibenzothiophene	184	C12H8S	000132-65-0	76
5	Dibenzothiophene	184	C12H8S	000132-65-0	76





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Quant Title : SVOA CALIBRATION

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

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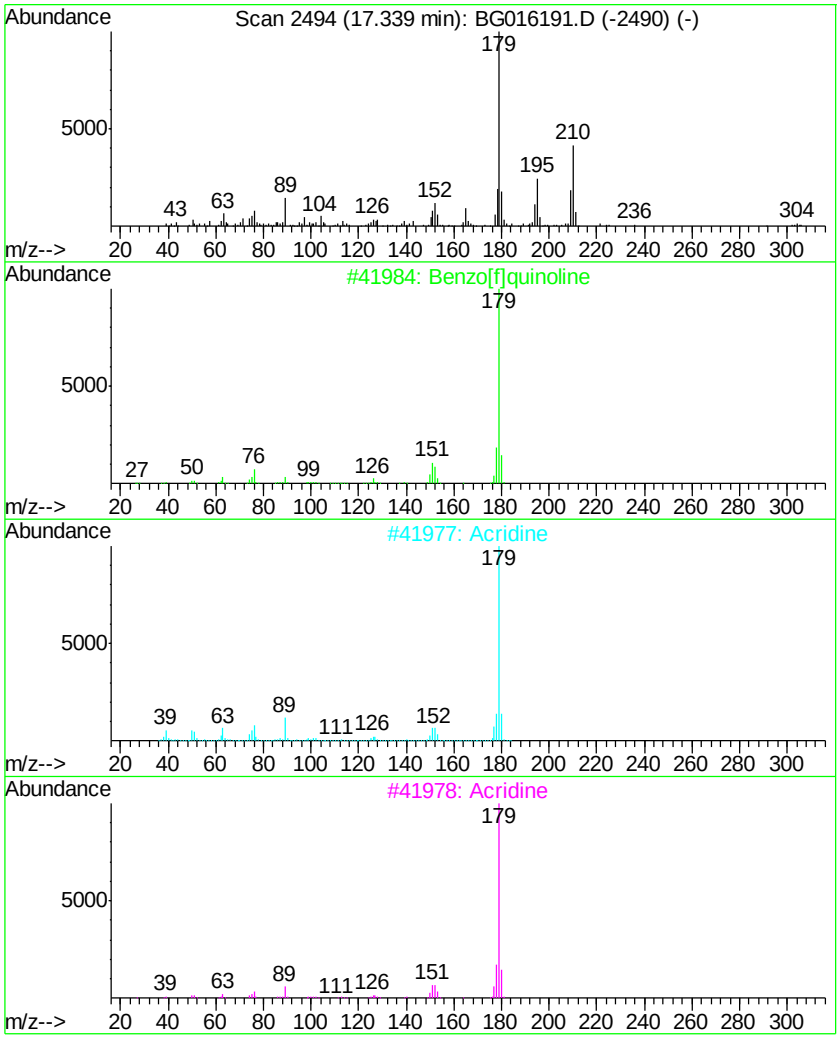
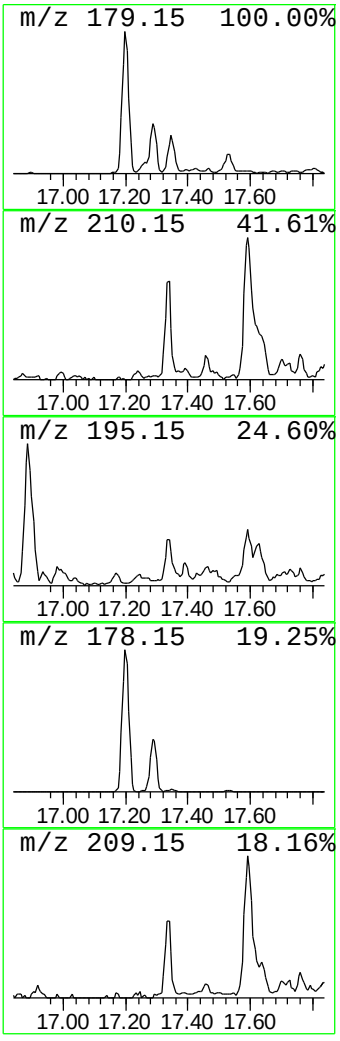
Peak Number 16 Benzo[f]quinoline Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	3.67 ng/ul	150240	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[f]quinoline	179	C13H9N	000085-02-9	95
2	Acridine	179	C13H9N	000260-94-6	94
3	Acridine	179	C13H9N	000260-94-6	89
4	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	89
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	83





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Quant Title : SVOA CALIBRATION

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

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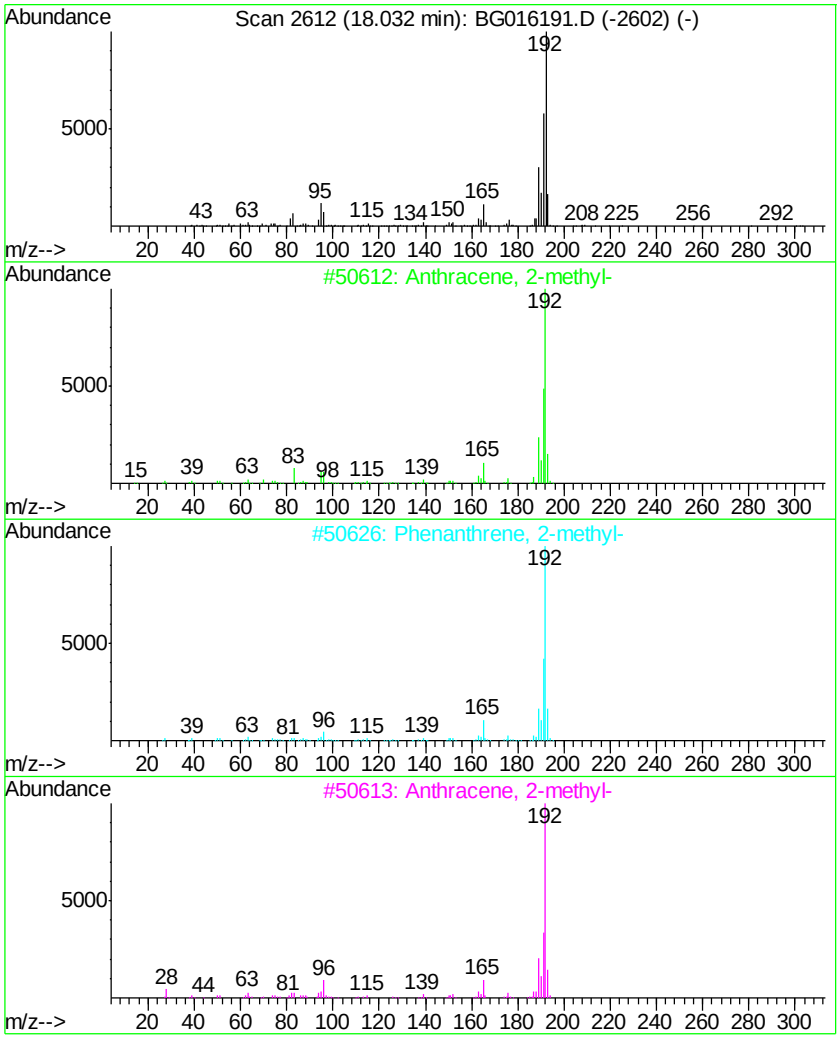
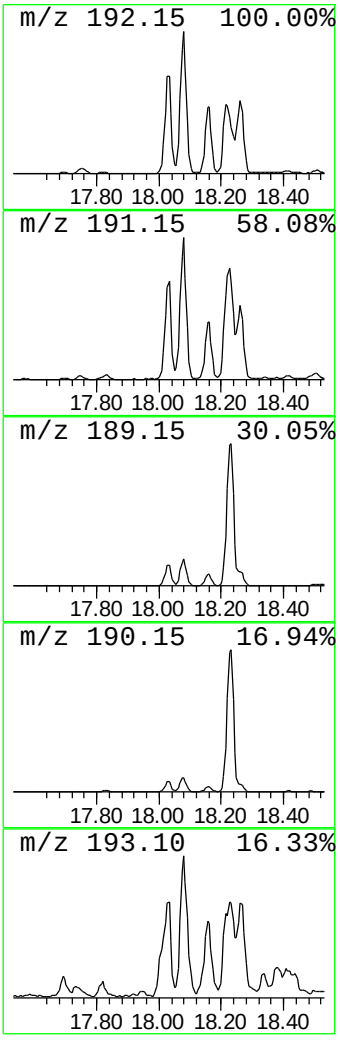
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	14.91 ng/ul	610978	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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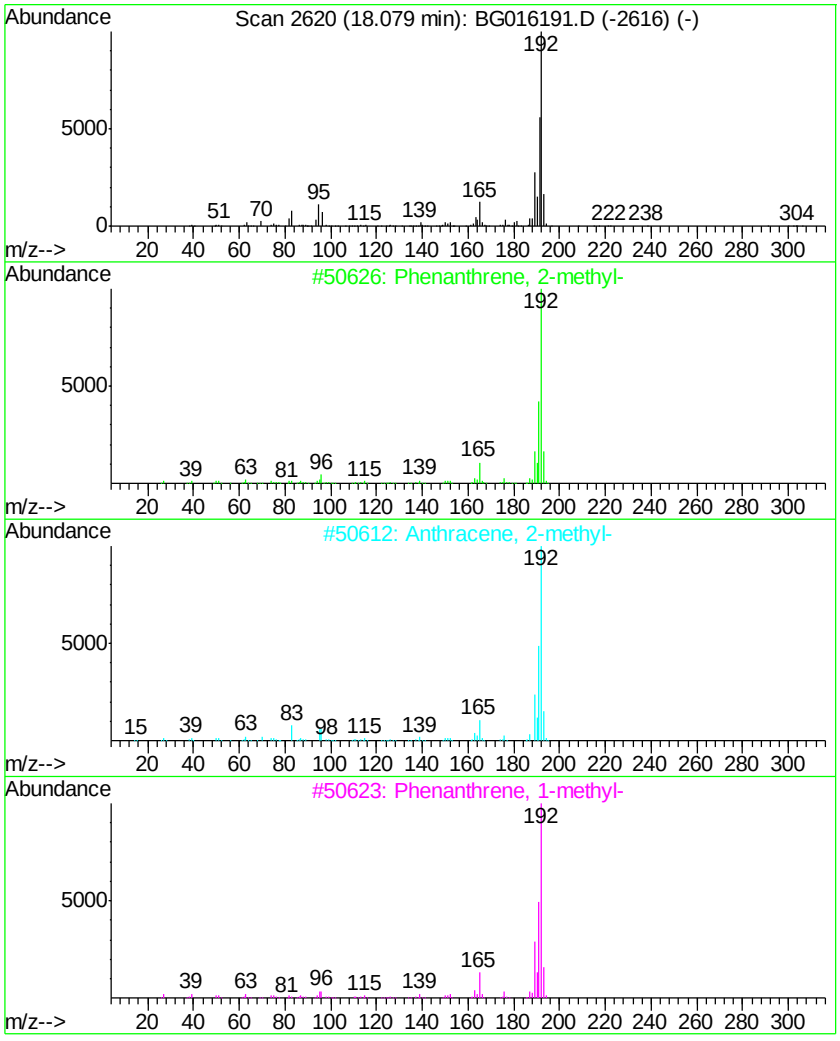
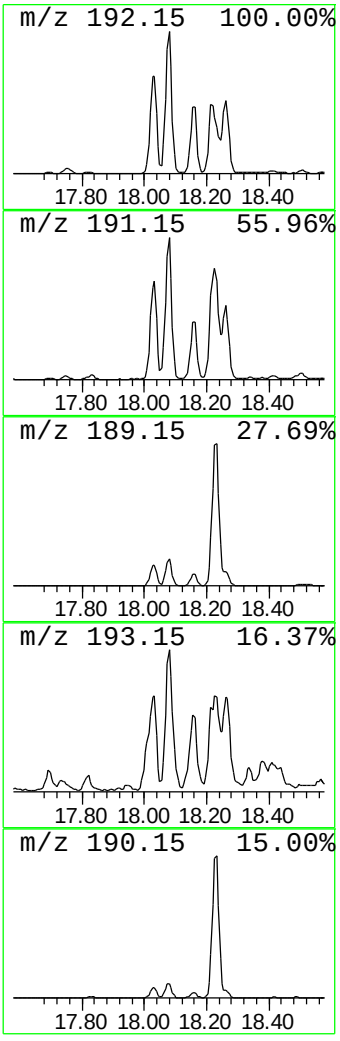
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	17.16 ng/ul	703288	Phenanthrene-d10	17.16

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Instrument : BNA_G
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

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

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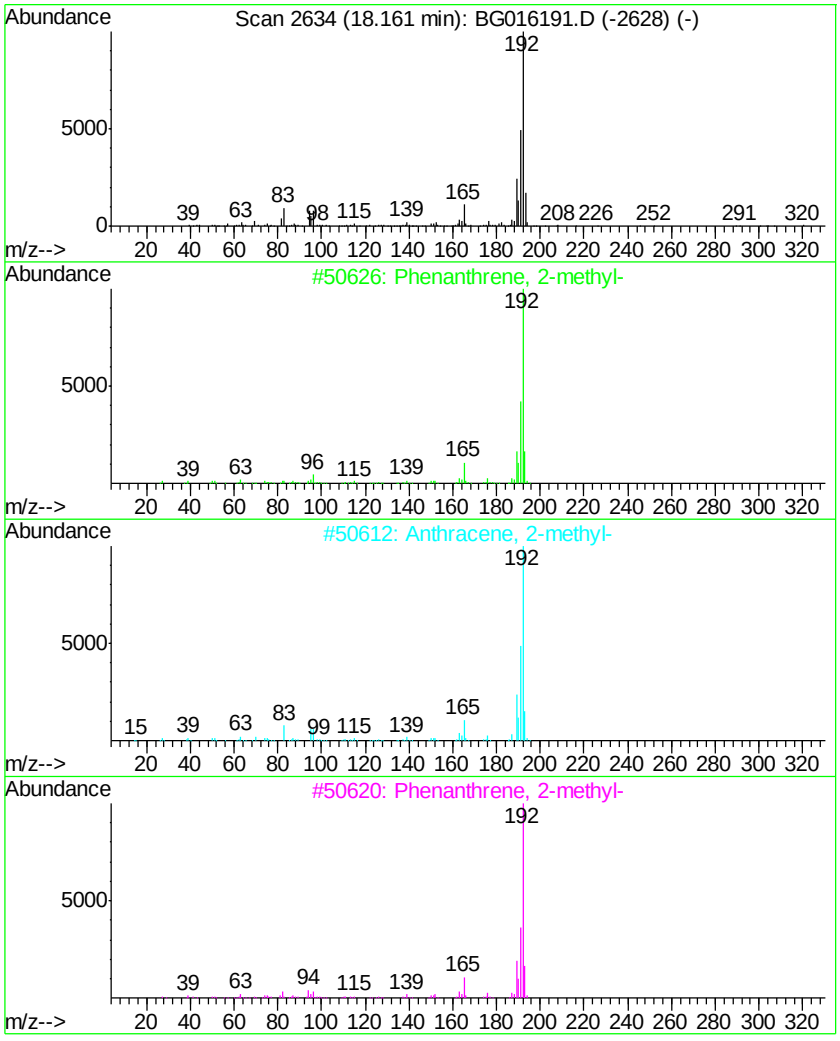
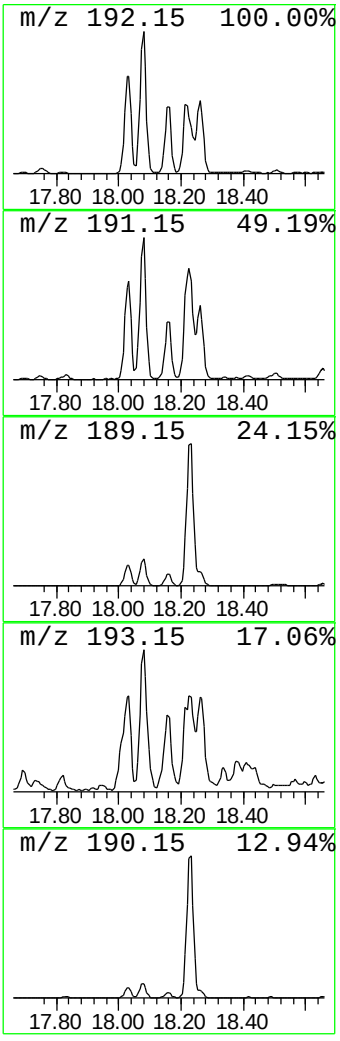
Peak Number 19 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	7.53 ng/ul	308399	Phenanthrene-d10	17.16

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





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Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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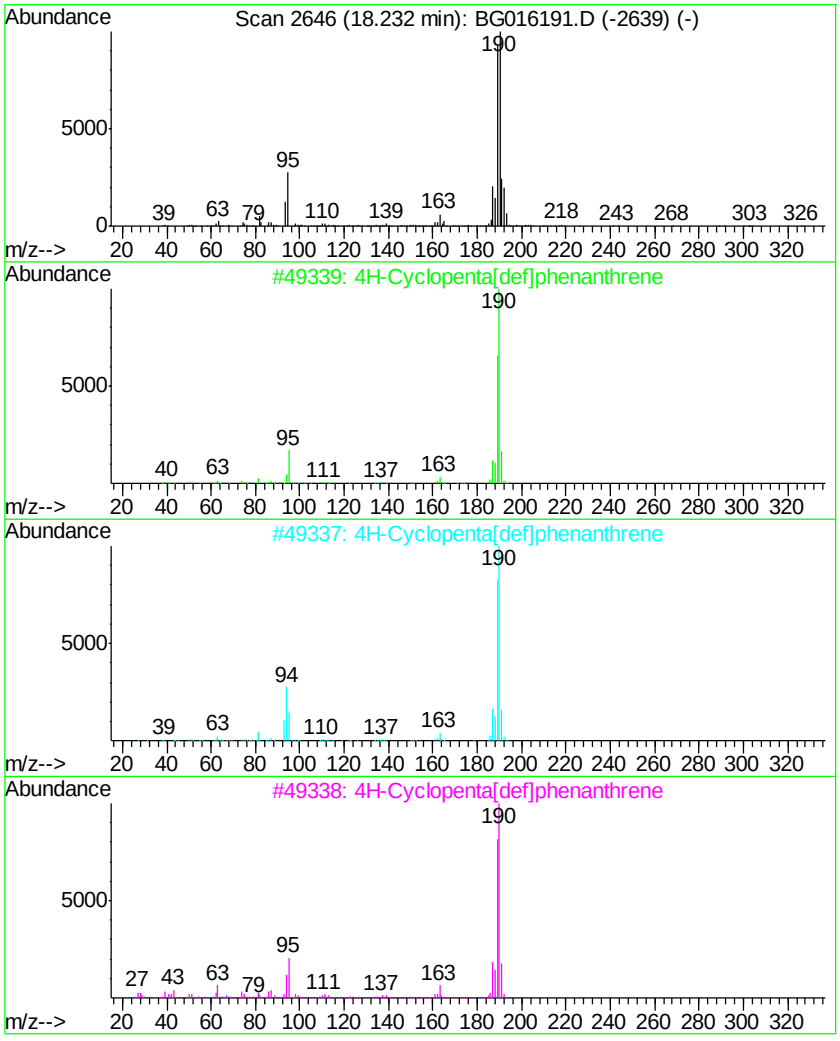
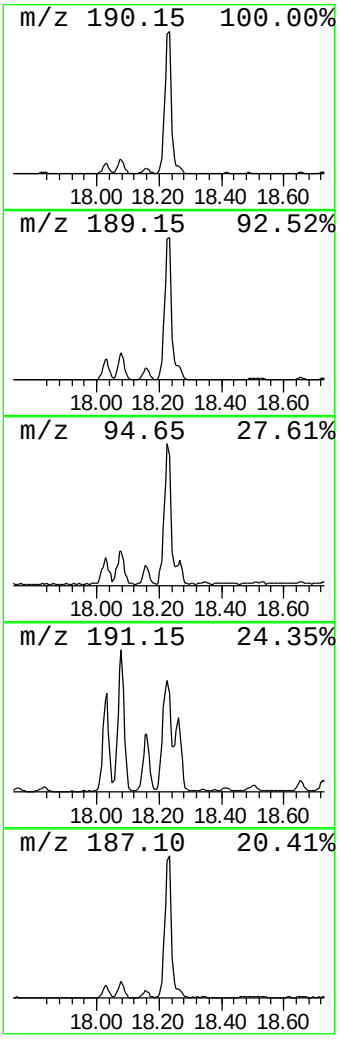
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	36.87 ng/ul	1510780	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	4-Oxo-2-(4-fluorophenyl)-3,4-dih...	190	C10H7FN2O	076128-79-5	25





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Acq On : 28 Mar 2015 00:40
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Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

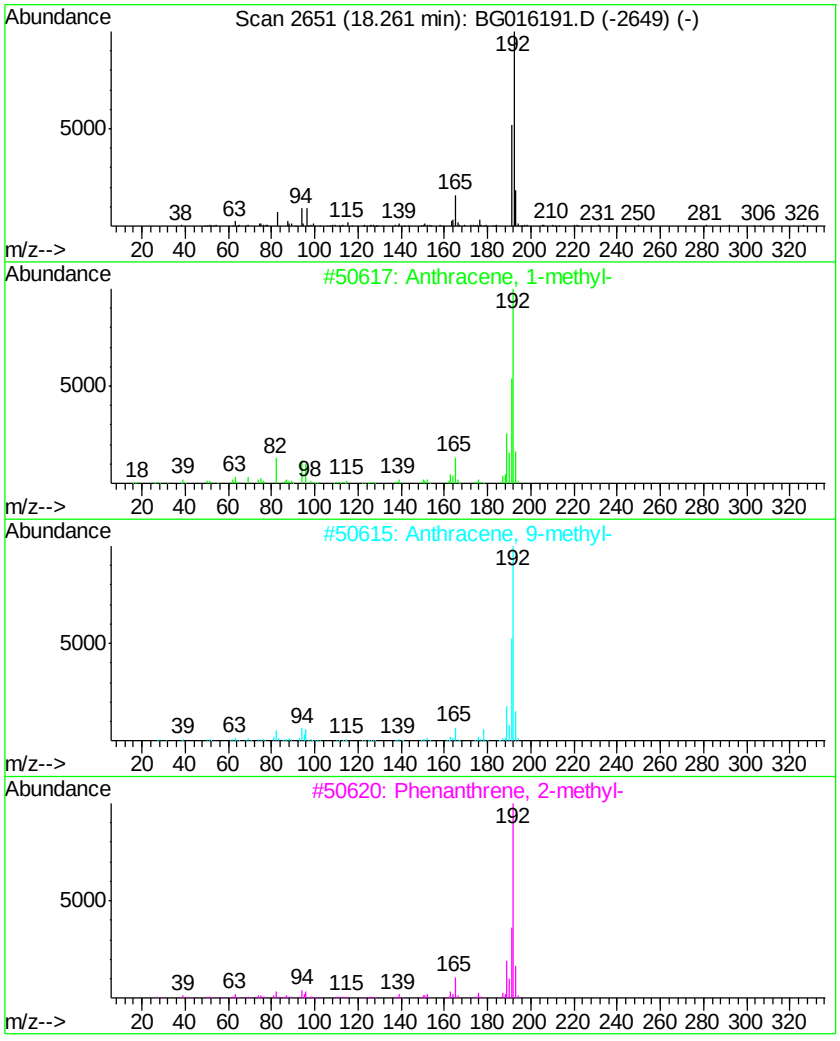
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

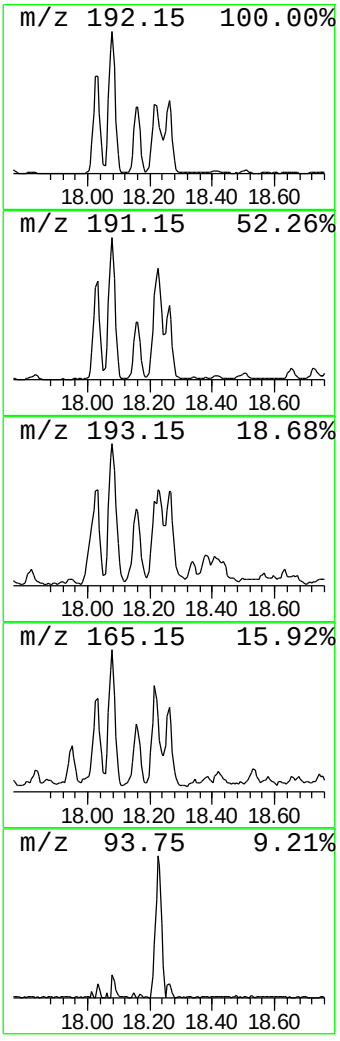
****

Peak Number 21 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.92 ng/ul	283548	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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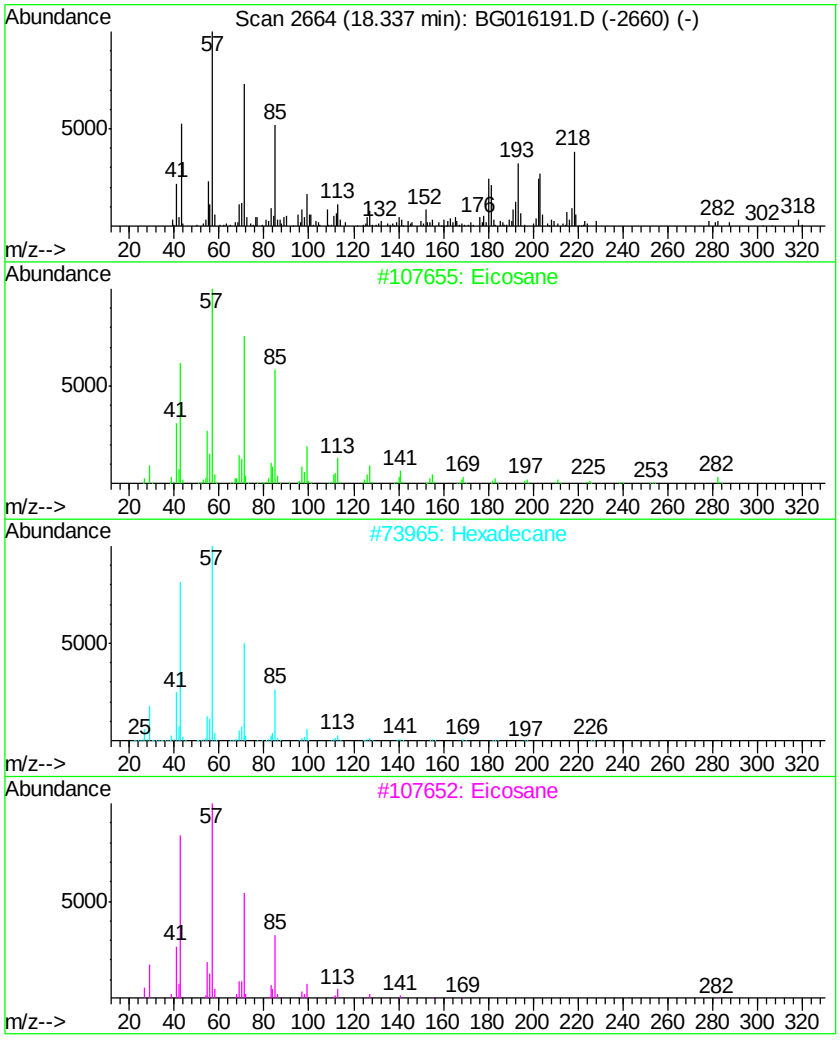
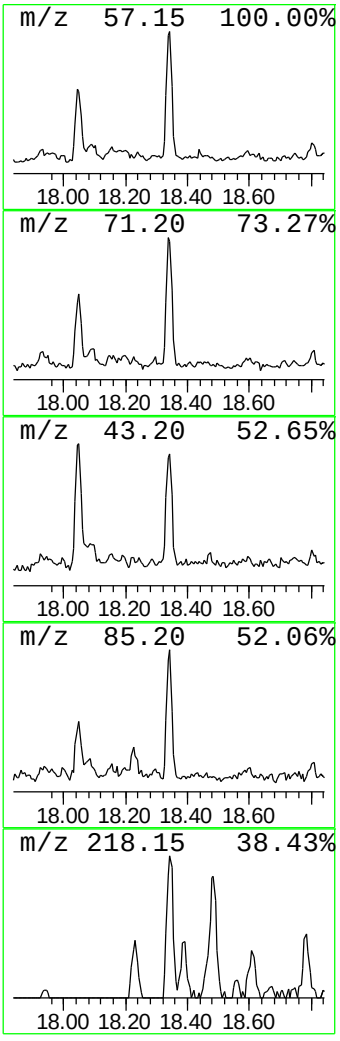
Peak Number 22 (DEL) Alkane: Straight-Chain Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.63 ng/ul	107661	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	83
2	Hexadecane	226	C16H34	000544-76-3	74
3	Eicosane	282	C20H42	000112-95-8	56
4	Heptadecane	240	C17H36	000629-78-7	30
5	Heneicosane	296	C21H44	000629-94-7	30





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Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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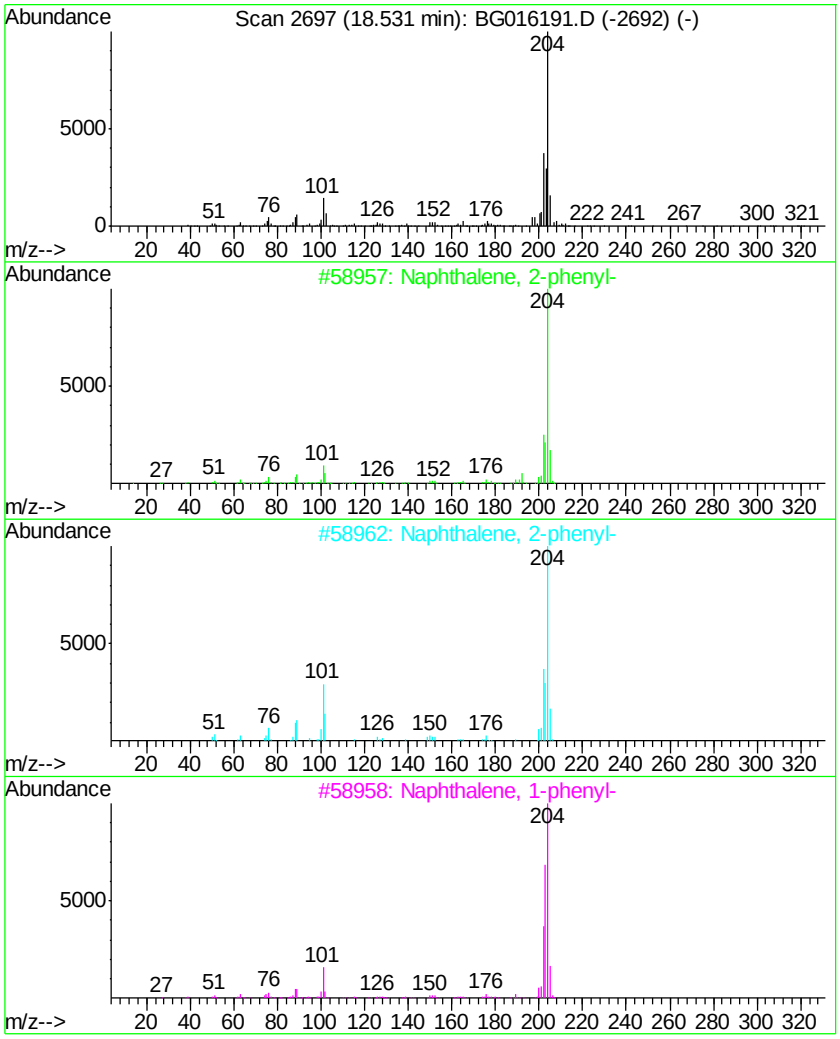
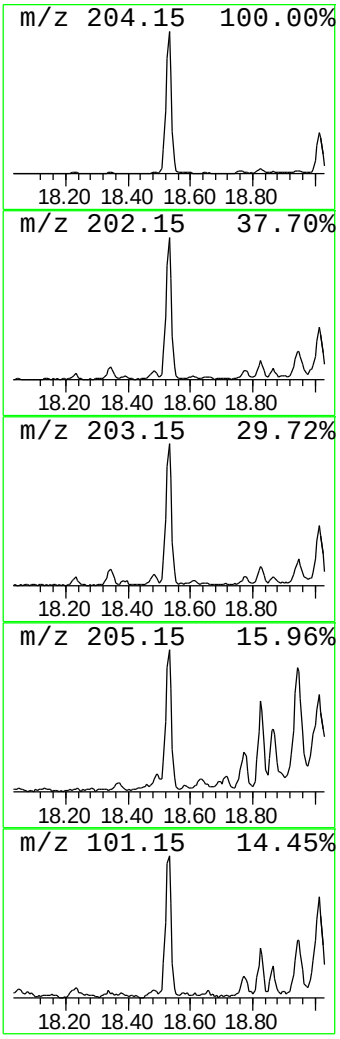
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	8.20 ng/ul	336162	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





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Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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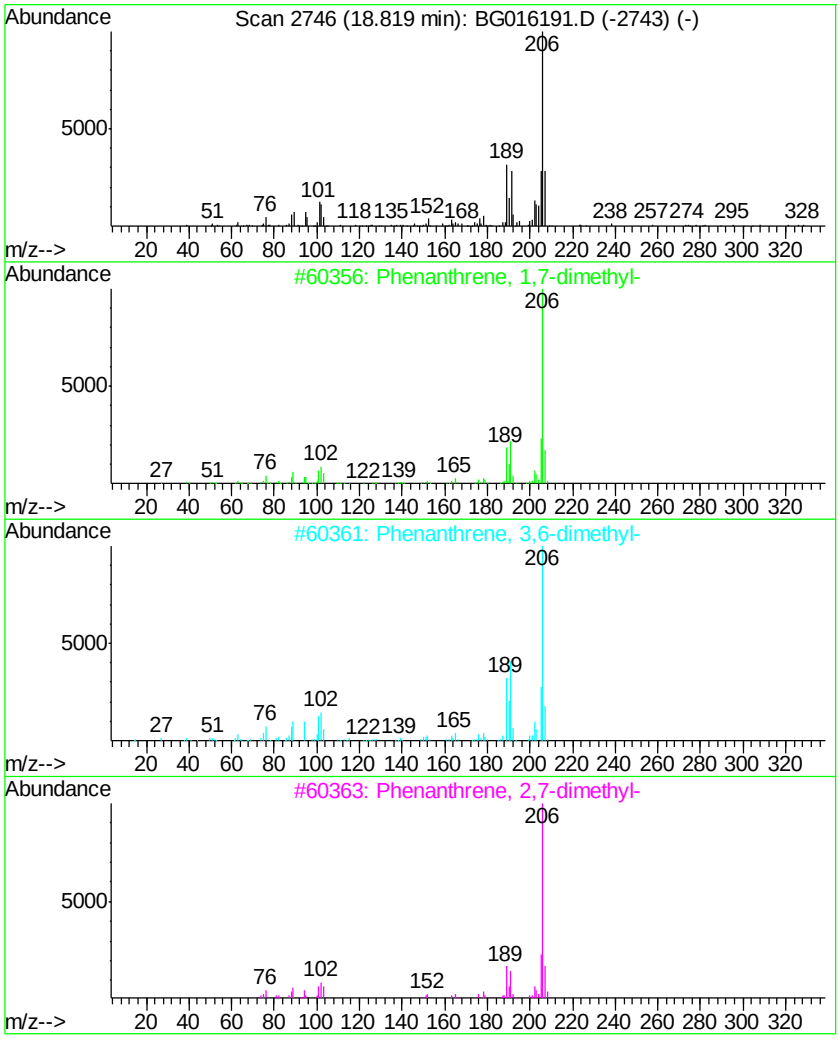
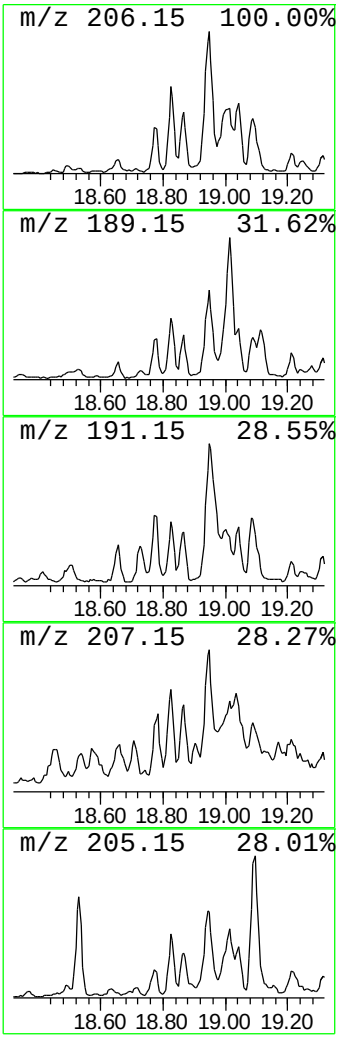
Peak Number 24 Phenanthrene, 1,7-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.10 ng/ul	126837	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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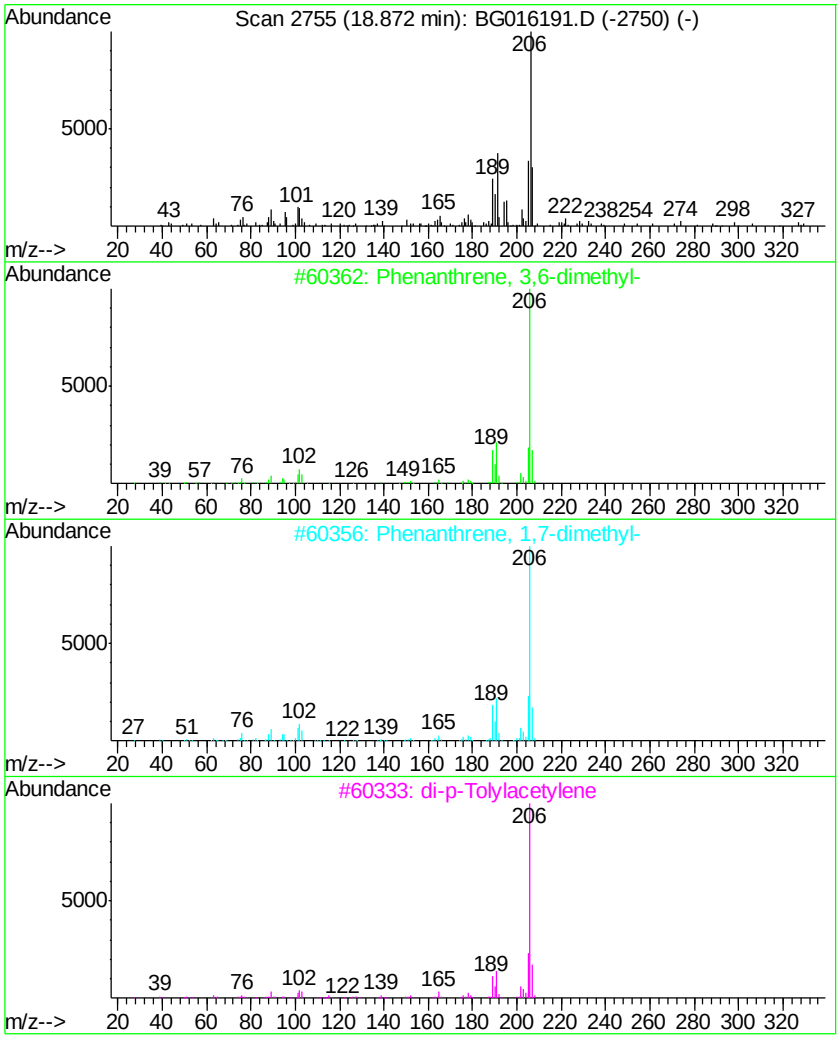
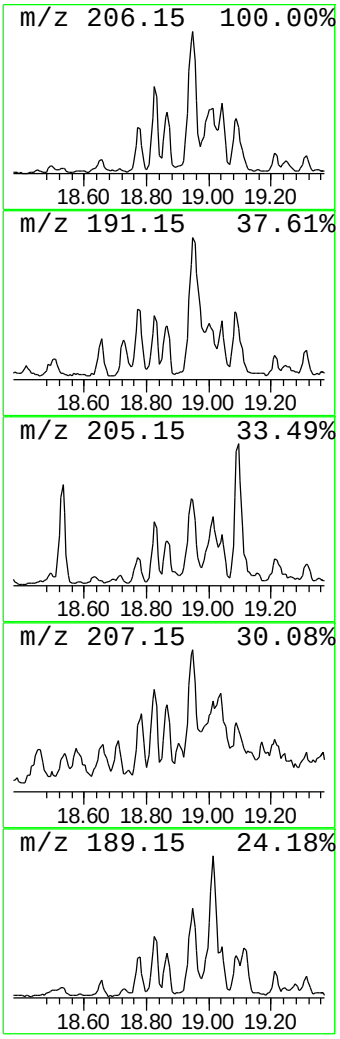
Peak Number 25 Phenanthrene, 3,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.06 ng/ul	125579	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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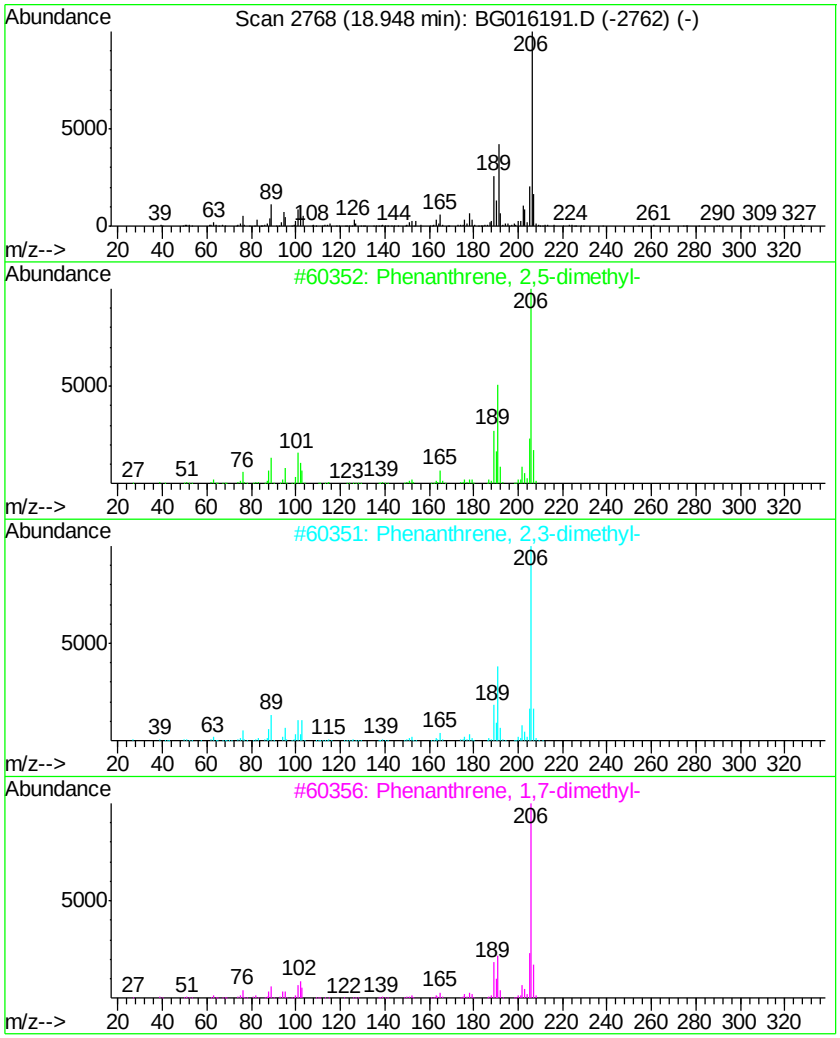
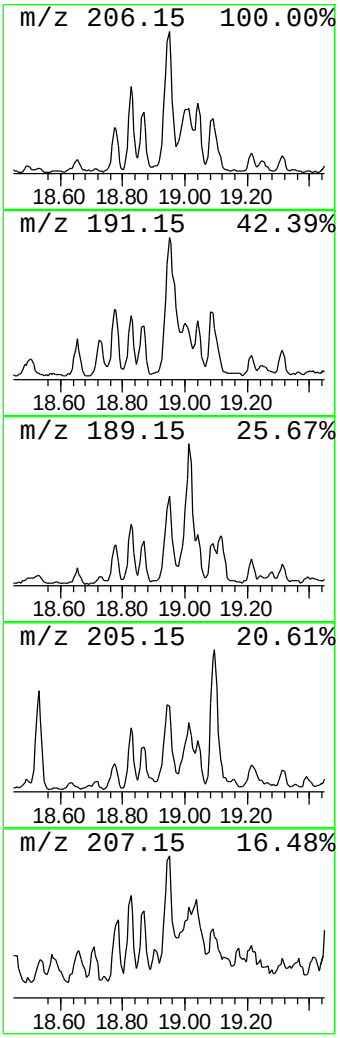
Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	11.07 ng/ul	453550	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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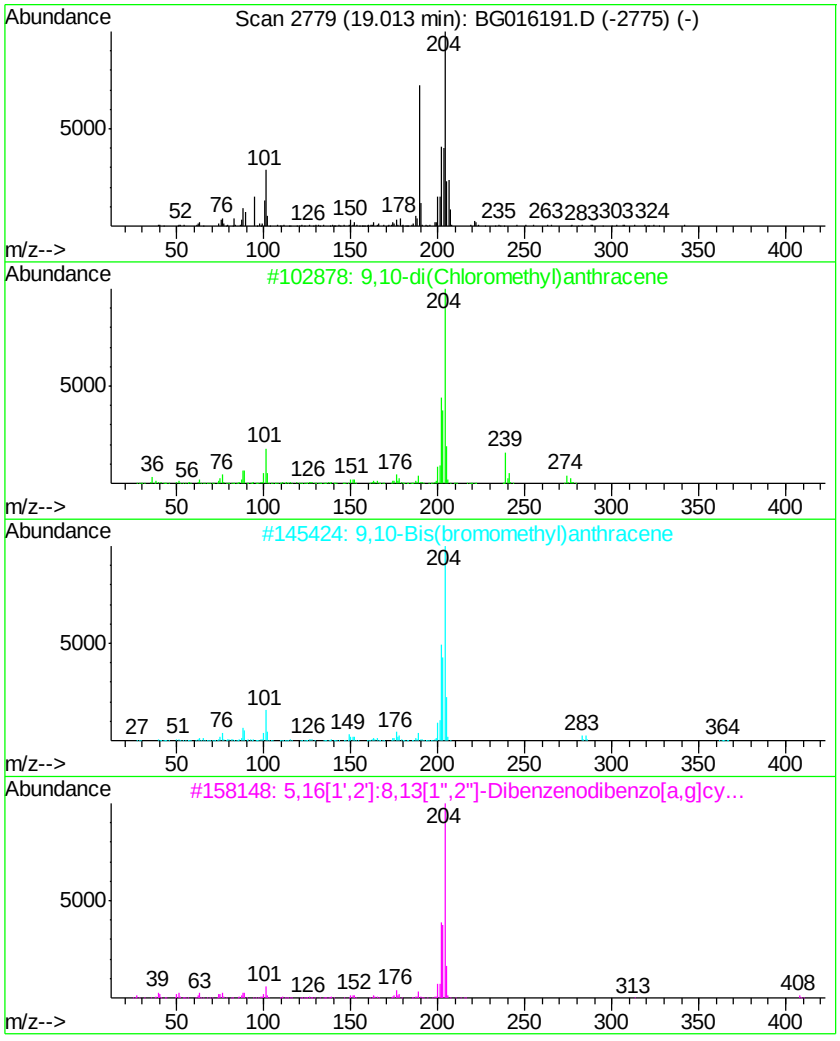
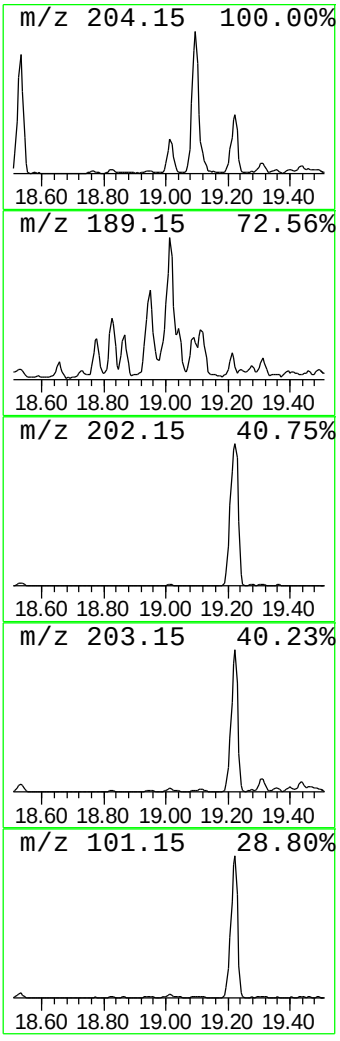
Peak Number 27 9,10-di(Chloromethyl)anthra... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	3.20 ng/ul	131312	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	59
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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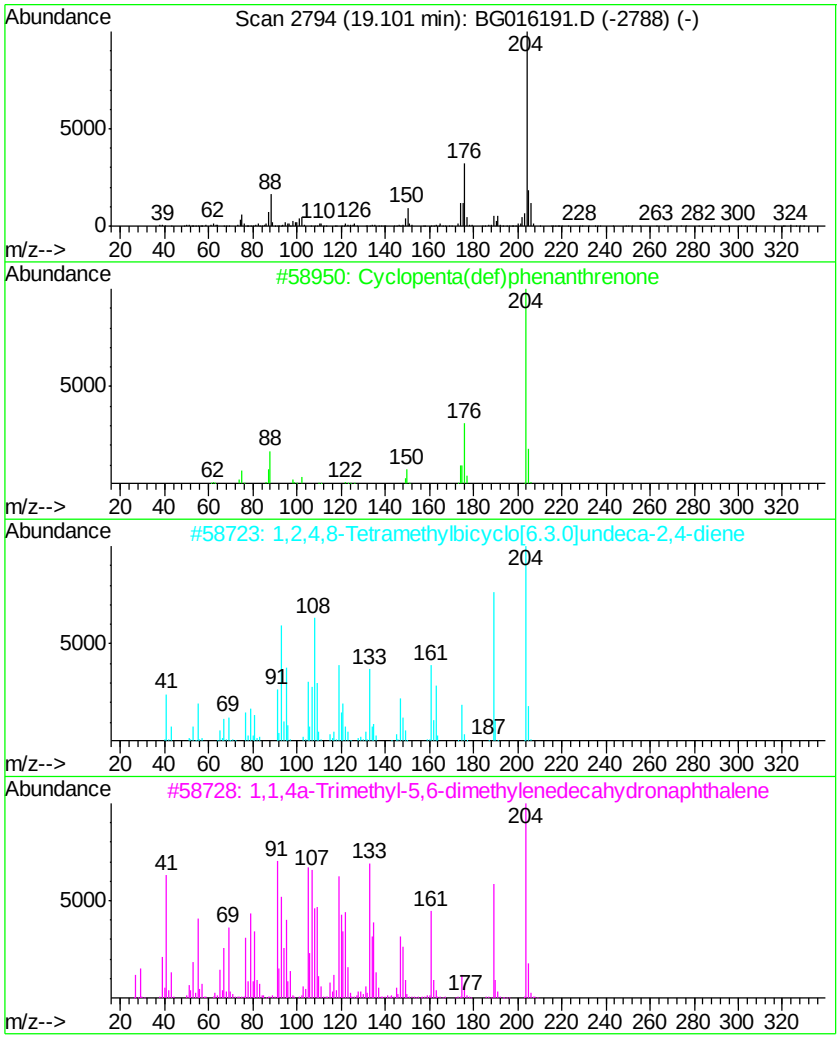
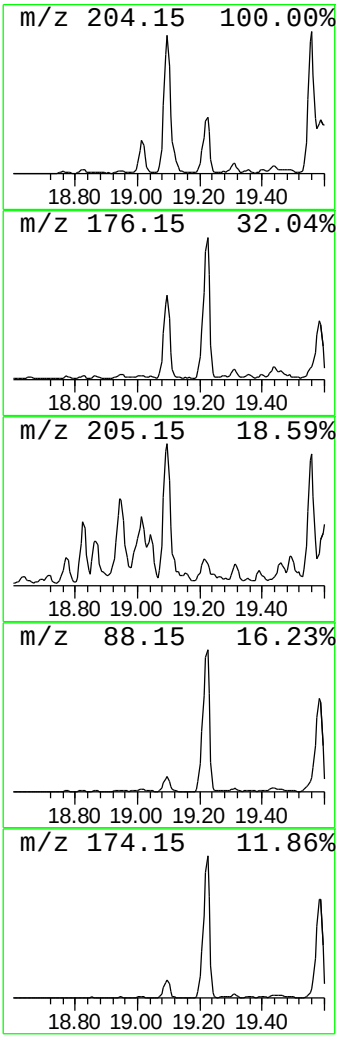
Peak Number 28 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	13.85 ng/ul	567302	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	40





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Acq On : 28 Mar 2015 00:40
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Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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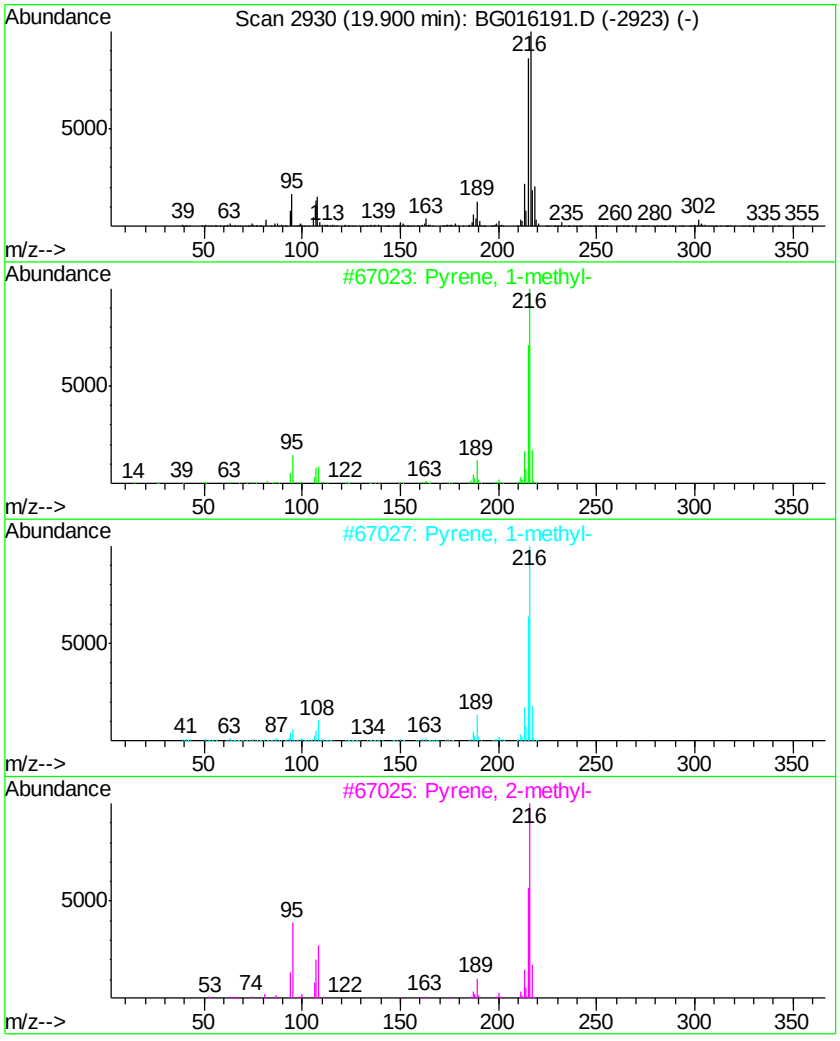
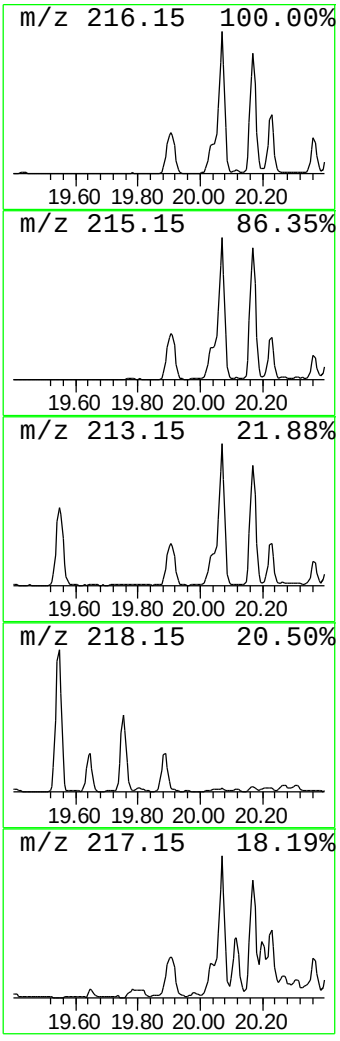
Peak Number 29 Pyrene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.00 ng/ul	1051290	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016191.D
Acq On : 28 Mar 2015 00:40
Operator : TP/IZ
Sample : G1647-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.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...	3.01	41.7	ng/ul	749003	1	7.79	359567	20.0
(DEL) Alkane: Str...	14.31	3.4	ng/ul	136458	3	14.42	814069	20.0
(DEL) Alkane: Str...	15.27	3.3	ng/ul	135566	3	14.42	814069	20.0
Phenol, 4,6-di(1,...	15.66	5.3	ng/ul	217081	3	14.42	814069	20.0
[1,1'-Biphenyl]-4...	15.75	3.1	ng/ul	126159	3	14.42	814069	20.0
3-(2-Naphthyl)acr...	15.90	3.8	ng/ul	156782	4	17.16	819480	20.0
(DEL) Alkane: Str...	16.12	8.3	ng/ul	339301	4	17.16	819480	20.0
9H-Fluorene, 1-me...	16.46	4.6	ng/ul	188588	4	17.16	819480	20.0
Naphtho[2,1-b]fur...	16.69	3.8	ng/ul	155607	4	17.16	819480	20.0
9H-Fluoren-9-one	16.81	2.7	ng/ul	109212	4	17.16	819480	20.0
2,4,6-Trimethoxyb...	16.89	2.5	ng/ul	104225	4	17.16	819480	20.0
(DEL) Alkane: Str...	16.91	4.2	ng/ul	172135	4	17.16	819480	20.0
Dibenzothiophene	16.97	4.6	ng/ul	189873	4	17.16	819480	20.0
Benzo[f]quinoline	17.34	3.7	ng/ul	150240	4	17.16	819480	20.0
Anthracene, 2-met...	18.03	14.9	ng/ul	610978	4	17.16	819480	20.0
Phenanthrene, 2-m...	18.08	17.2	ng/ul	703288	4	17.16	819480	20.0
1H-Cyclopropa[l]p...	18.16	7.5	ng/ul	308399	4	17.16	819480	20.0
4H-Cyclopenta[def...	18.23	36.9	ng/ul	1510780	4	17.16	819480	20.0
Anthracene, 1-met...	18.26	6.9	ng/ul	283548	4	17.16	819480	20.0
(DEL) Alkane: Str...	18.34	2.6	ng/ul	107661	4	17.16	819480	20.0
Naphthalene, 2-ph...	18.53	8.2	ng/ul	336162	4	17.16	819480	20.0
Phenanthrene, 1,7...	18.82	3.1	ng/ul	126837	4	17.16	819480	20.0
Phenanthrene, 3,6...	18.87	3.1	ng/ul	125579	4	17.16	819480	20.0
Phenanthrene, 2,5...	18.95	11.1	ng/ul	453550	4	17.16	819480	20.0
9,10-di(Chloromet...	19.01	3.2	ng/ul	131312	4	17.16	819480	20.0
Cyclopenta(def)ph...	19.10	13.9	ng/ul	567302	4	17.16	819480	20.0
Pyrene, 2-methyl-	19.90	3.0	ng/ul	1051290	5	21.33	7011180	20.0