LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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	50	rBV	263169	483861	20.60%	1.361%
2	3.006	50	54	71	rVB	539896	727554	30.98%	2.046%
3	4.915	373	379	385	rVB2	26704	44665	1.90%	0.126%
4	6.959	720	727	736	rBV	231196	360742	15.36%	1.015%
5	7.124	749	755	764	rVB	202448	301734	12.85%	0.849%
6	7.324	782	789	795	rBV	229625	356350	15.17%	1.002%
7	7.788	862	868	876	rVB	198229	313973	13.37%	0.883%
8	8.493	979	988	996	rBV	281228	441568	18.80%	1.242%
9	8.945	1058	1065	1073	rVB	209264	342955	14.60%	0.965%
10	9.662	1180	1187	1198	rVB	168518	281632	11.99%	0.792%
11	10.196	1270	1278	1289	rVB	278681	447915	19.07%	1.260%
12	10.578	1334	1343	1348	rBV	300393	506654	21.57%	1.425%
13	10.625	1348	1351	1358	rVB	37296	55262	2.35%	0.155%
14	10.713	1359	1366	1376	rBV	246423	412340	17.56%	1.160%
15	12.235	1618	1625	1632	rVB	119477	183201	7.80%	0.515%
16	12.458	1652	1663	1674	rVV	91872	148022	6.30%	0.416%
17	13.245	1792	1797	1803	rBV	41597	62044	2.64%	0.174%
18	13.574	1845	1853	1863	rBV3	58307	141098	6.01%	0.397%
19	13.733	1870	1880	1885	rBV	91364	160689	6.84%	0.452%
20	13.785	1885	1889	1891	rVV	64486	87961	3.74%	0.247%
21	13.821	1891	1895	1900	rVV	441492	642896	27.37%	1.808%
22	13.868	1900	1903	1911	rVV	40518	56287	2.40%	0.158%
23	13.973	1916	1921	1924	rVV	41472	64796	2.76%	0.182%
24	14.109	1937	1944	1957	rVB	593376	924147	39.34%	2.599%
25	14.414	1986	1996	2002	rBV2	448978	715080	30.44%	2.011%
26	14.479	2002	2007	2014	rVV	305539	457628	19.48%	1.287%
27	14.614	2023	2030	2040	rVV	192120	315820	13.45%	0.888%
28	14.813	2058	2064	2071	rVV	308836	464475	19.77%	1.306%
29	14.884	2071	2076	2081	rVV	30365	45559	1.94%	0.128%
30	15.031	2090	2101	2106	rBV3	27340	49467	2.11%	0.139%
31	15.201	2120	2130	2133	rBV4	23448	48882	2.08%	0.137%
32	15.407	2155	2165	2169	rBV	763739	1076149	45.82%	3.026%
33	15.460	2169	2174	2179	rVV	367833	516099	21.97%	1.451%
34	15.524	2180	2185	2192	rVV	126034	189171	8.05%	0.532%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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	15.624	2198	2202	2207	rVV4	38982	61384	2.61%	0.173%
36	15.753	2220	2224	2231	rVB	91564	132866	5.66%	0.374%
37	15.900	2241	2249	2256	rVB	99525	203850	8.68%	0.573%
38	15.988	2256	2264	2271	rVB3	20555	46797	1.99%	0.132%
39	16.123	2281	2287	2295	rBV4	62760	130012	5.54%	0.366%
40	16.458	2333	2344	2349	rBV3	56233	125014	5.32%	0.352%
41	16.687	2375	2383	2387	rBV4	37610	77619	3.30%	0.218%
42	16.805	2398	2403	2410	rVB	130018	190002	8.09%	0.534%
43	16.881	2410	2416	2418	rBV	35209	52656	2.24%	0.148%
44	16.911	2418	2421	2426	rVB2	47387	61671	2.63%	0.173%
45	16.975	2427	2432	2440	rVB	106550	170617	7.26%	0.480%
46	17.157	2457	2463	2466	rBV2	518430	816586	34.77%	2.297%
47	17.198	2466	2470	2475	rVV	1723754	2348837	100.00%	6.606%
48	17.251	2475	2479	2482	rVV2	806061	1119919	47.68%	3.150%
49	17.287	2482	2485	2490	rVB	484825	628072	26.74%	1.766%
50	17.339	2490	2494	2499	rVB3	33490	51299	2.18%	0.144%
51	17.557	2520	2531	2535	rBV2	137769	250766	10.68%	0.705%
52	17.733	2557	2561	2570	rVB6	33929	65277	2.78%	0.184%
53	18.027	2602	2611	2616	rBV	155713	328825	14.00%	0.925%
54	18.074	2616	2619	2625	rVV	235480	316997	13.50%	0.892%
55	18.156	2628	2633	2638	rVB	89070	126965	5.41%	0.357%
56	18.227	2638	2645	2648	rBV2	230254	393745	16.76%	1.107%
57	18.256	2648	2650	2656	rVB	96314	124045	5.28%	0.349%
58	18.526	2692	2696	2700	rBV	124797	161023	6.86%	0.453%
59	18.567	2700	2703	2709	rVV	68942	88076	3.75%	0.248%
60	18.861	2750	2753	2757	rVB	34486	43866	1.87%	0.123%
61	18.943	2757	2767	2774	rBV3	64375	169532	7.22%	0.477%
62	19.008	2774	2778	2781	rVV3	41803	69035	2.94%	0.194%
63	19.084	2786	2791	2801	rVB	90204	141840	6.04%	0.399%
64	19.213	2807	2813	2819	rVB	1515115	2055527	87.51%	5.781%
65	19.307	2826	2829	2835	rVV3	37863	64334	2.74%	0.181%
66	19.454	2848	2854	2857	rVV2	33071	48627	2.07%	0.137%
67	19.542	2863	2869	2872	rBV2	1114780	1718792	73.18%	4.834%
68	19.572	2872	2874	2882	rVV	1218216	1442690	61.42%	4.057%
69	19.642	2882	2886	2893	rVB2	73003	110032	4.68%	0.309%
70	19.748	2900	2904	2910	rBV	76148	95755	4.08%	0.269%
71	19.813	2910	2915	2920	rVB	76204	115417	4.91%	0.325%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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	19.889	2923	2928	2930	rBV2	80699	136376	5.81%	0.384%
73	20.030	2945	2952	2953	rBV4	61951	95977	4.09%	0.270%
74	20.065	2954	2958	2963	rVB	162630	225499	9.60%	0.634%
75	20.165	2970	2975	2978	rBV	108783	142677	6.07%	0.401%
76	20.224	2978	2985	2989	rVB2	108348	188640	8.03%	0.531%
77	20.365	3004	3009	3012	rBV	52876	73009	3.11%	0.205%
78	20.406	3012	3016	3020	rVB3	51895	70762	3.01%	0.199%
79	20.805	3080	3084	3091	rVB	128189	180792	7.70%	0.508%
80	20.976	3106	3113	3116	rBV2	81446	159738	6.80%	0.449%
81	21.034	3116	3123	3131	rVV4	174421	537907	22.90%	1.513%
82	21.105	3131	3135	3143	rVB	126666	199981	8.51%	0.562%
83	21.322	3165	3172	3176	rBV3	940203	1835152	78.13%	5.161%
84	21.363	3176	3179	3187	rVB	529980	660234	28.11%	1.857%
85	21.481	3195	3199	3204	rBV	80360	109586	4.67%	0.308%
86	21.640	3222	3226	3231	rBV2	77649	108111	4.60%	0.304%
87	21.875	3261	3266	3271	rBV	98173	150998	6.43%	0.425%
88	21.933	3273	3276	3280	rVB	48647	58212	2.48%	0.164%
89	22.080	3298	3301	3304	rBV3	37090	46733	1.99%	0.131%
90	22.180	3314	3318	3327	rVB3	43700	87593	3.73%	0.246%
91	22.920	3438	3444	3449	rBV2	352049	851368	36.25%	2.394%
92	23.096	3470	3474	3480	rVB	89623	147298	6.27%	0.414%
93	23.237	3494	3498	3501	rBV6	21106	42583	1.81%	0.120%
94	23.414	3523	3528	3532	rBV	172387	334814	14.25%	0.942%
95	23.466	3532	3537	3542	rVV2	603088	1203677	51.25%	3.385%
96	23.513	3542	3545	3552	rVB	338063	574238	24.45%	1.615%
97	23.613	3555	3562	3568	rVV	432016	908361	38.67%	2.555%
98	23.666	3568	3571	3578	rVB2	98351	174297	7.42%	0.490%
99	25.951	3952	3960	3972	rVB2	149369	440306	18.75%	1.238%
100	26.668	4076	4082	4093	rVB2	74697	237738	10.12%	0.669%

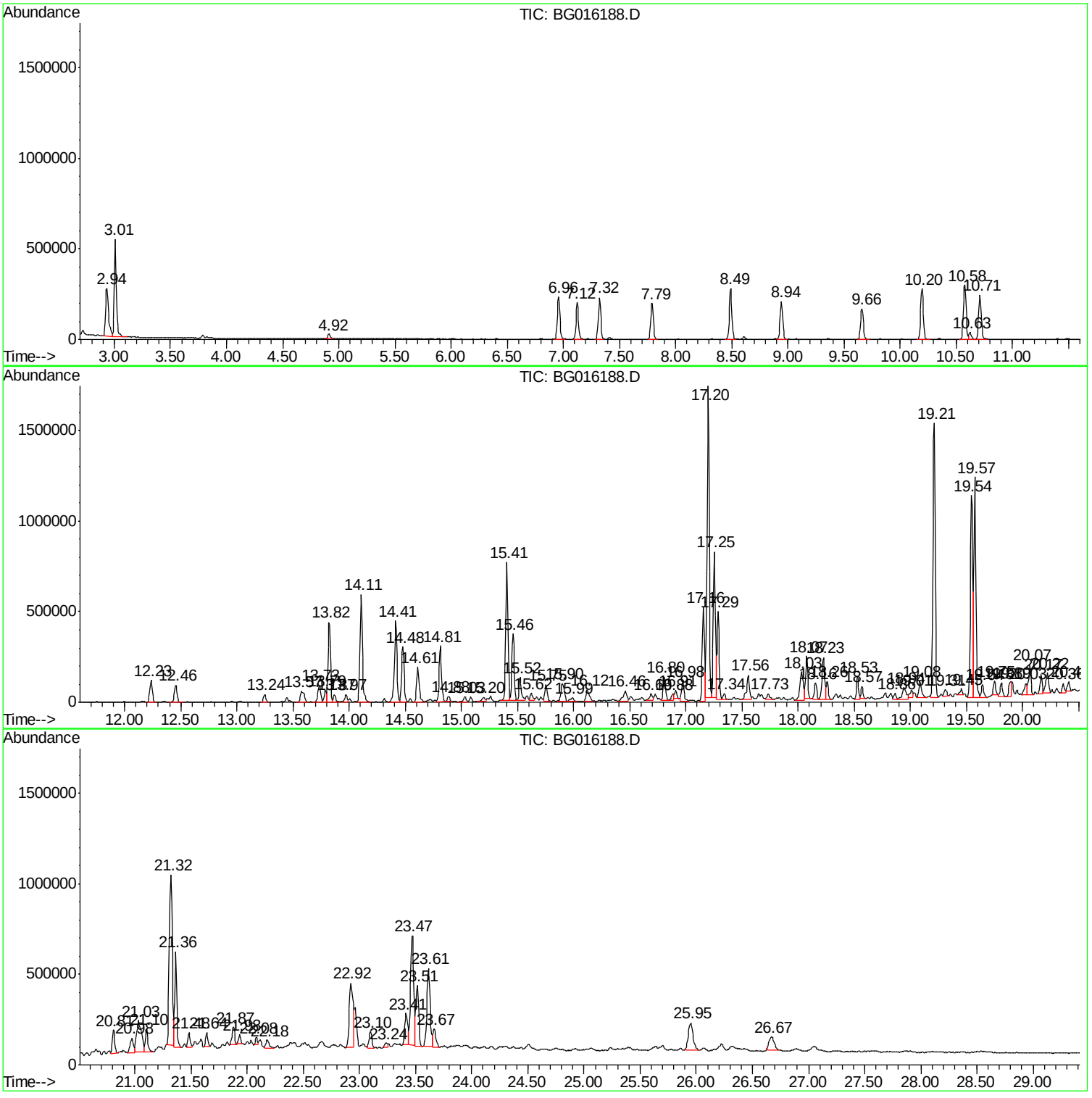
Sum of corrected areas: 35557700

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD6

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 : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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

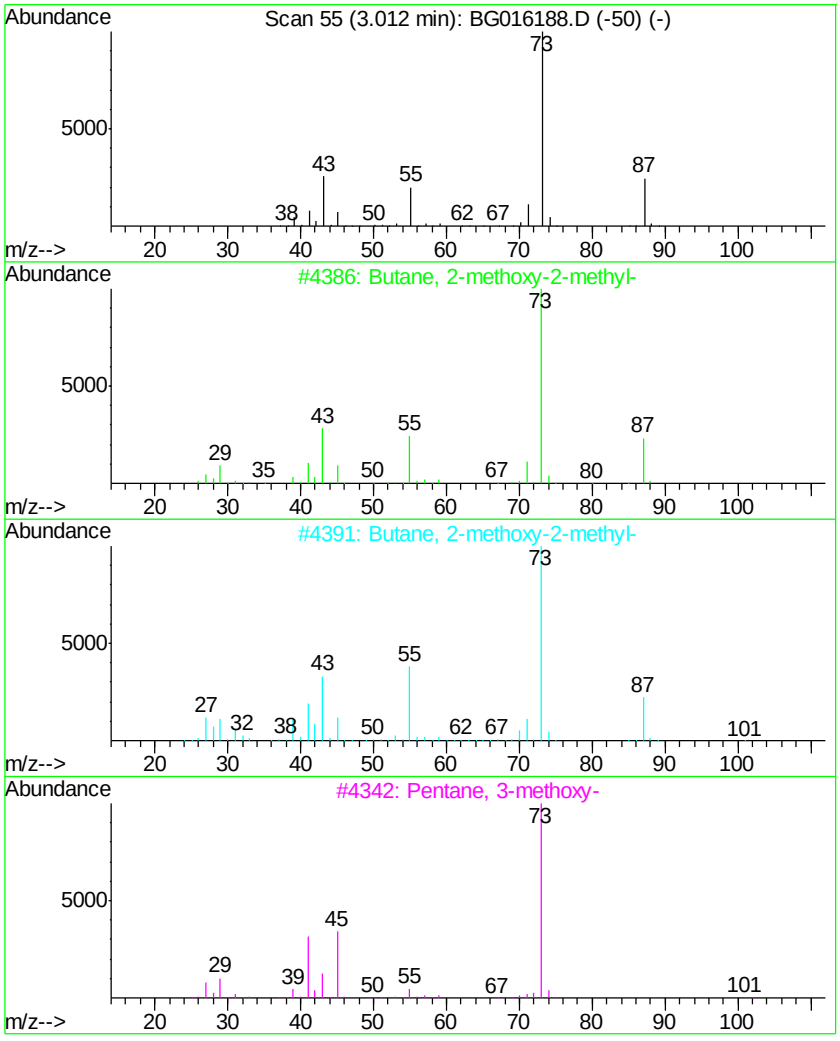
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

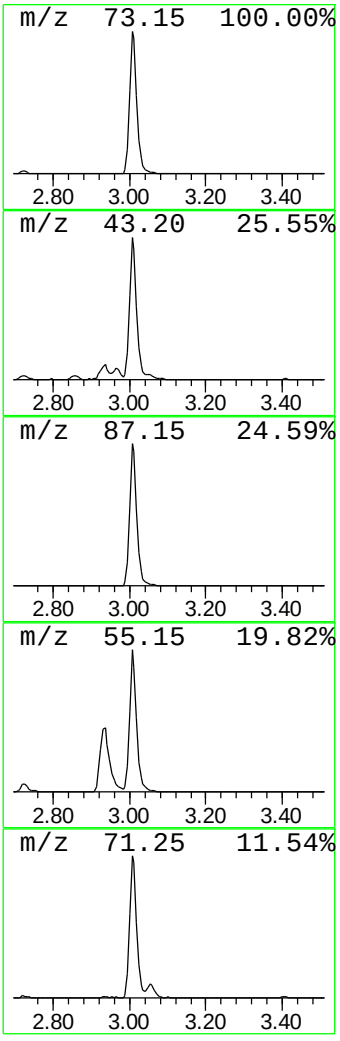
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	46.35 ng/ul	727554	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	83
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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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

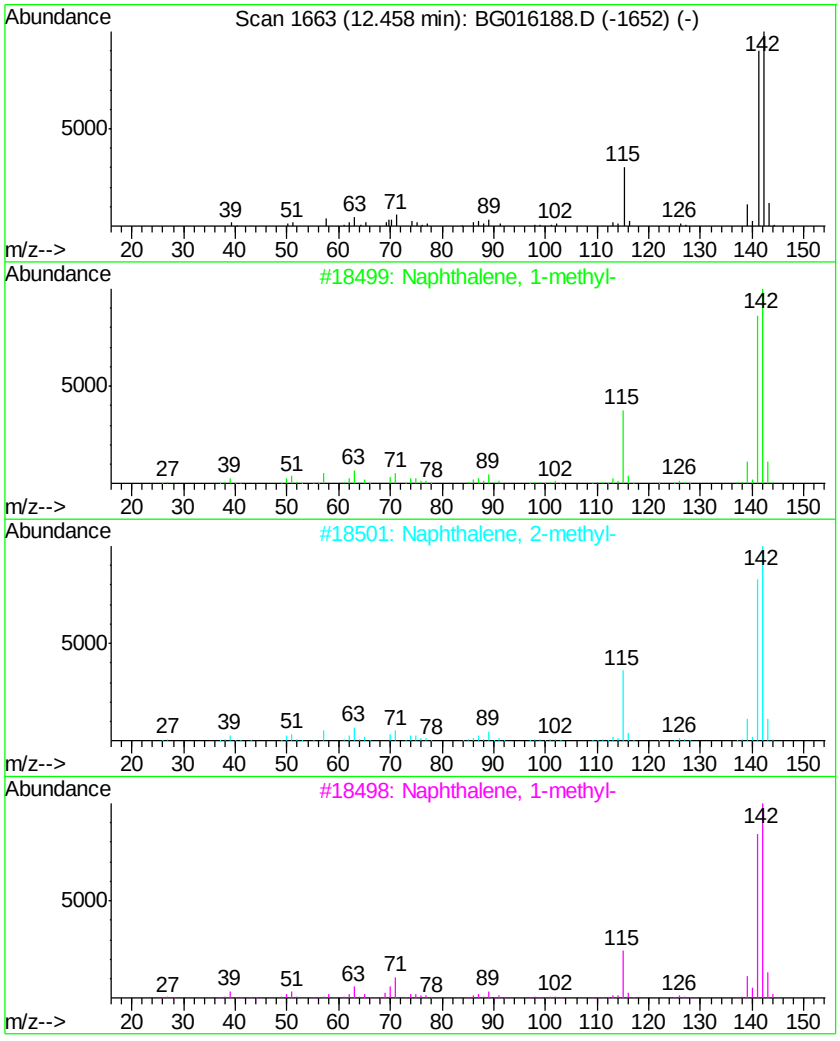
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

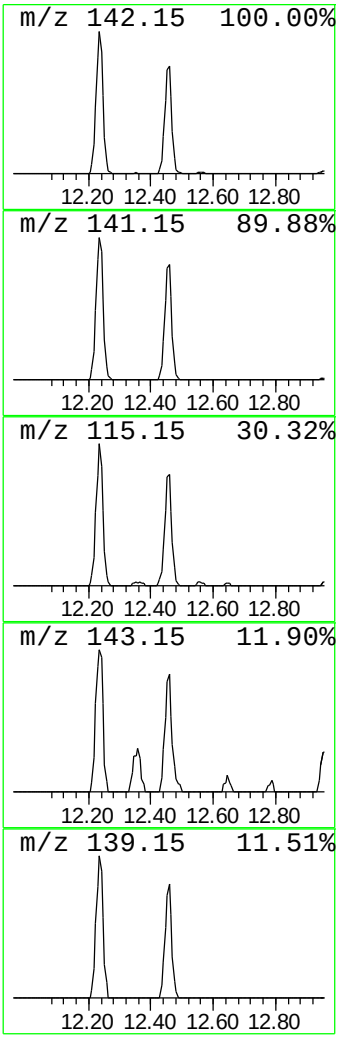
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.84 ng/ul	148022	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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

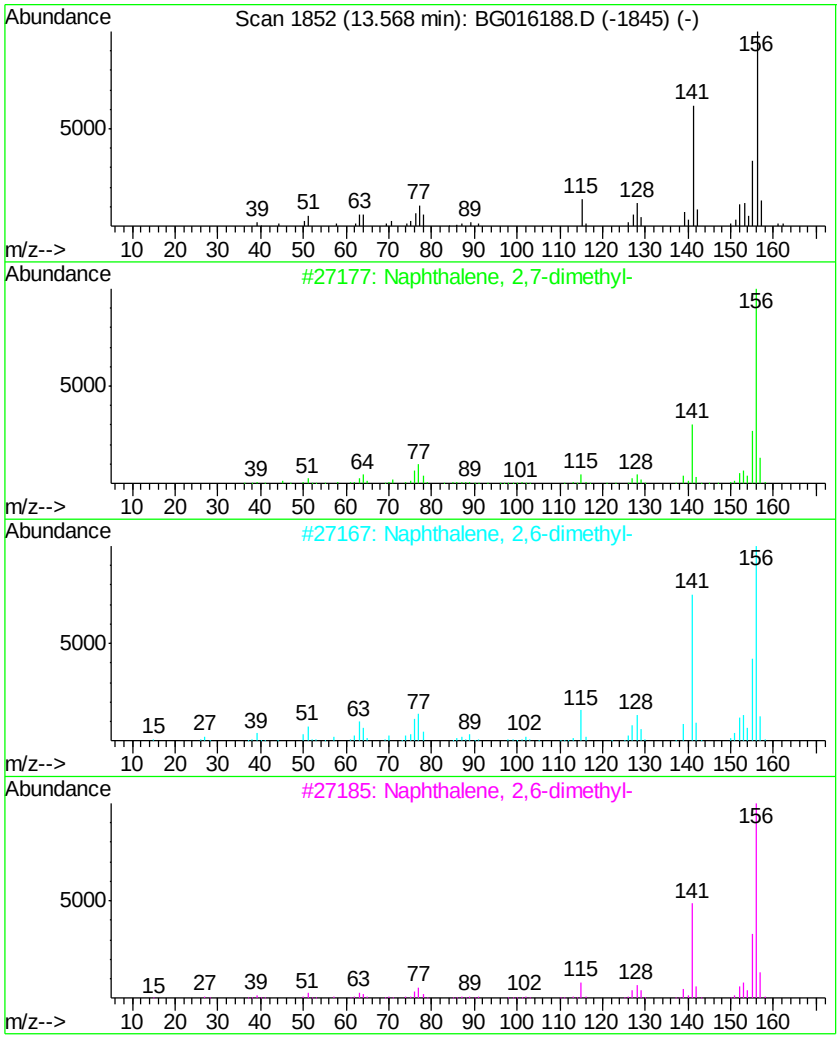
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

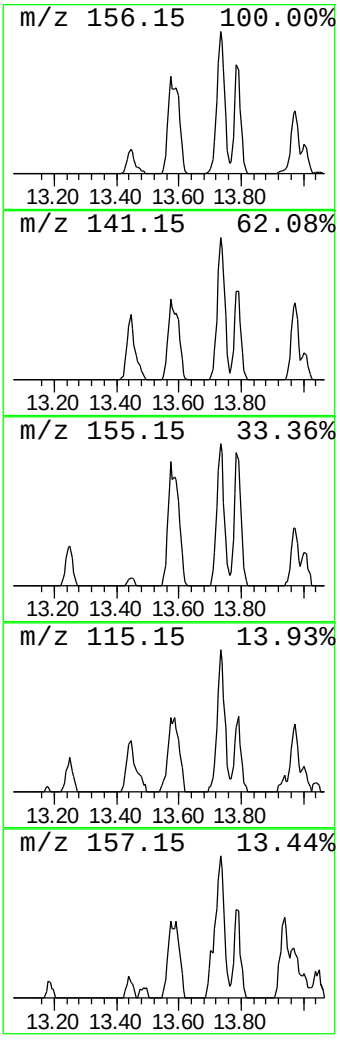
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.95 ng/ul	141098	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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

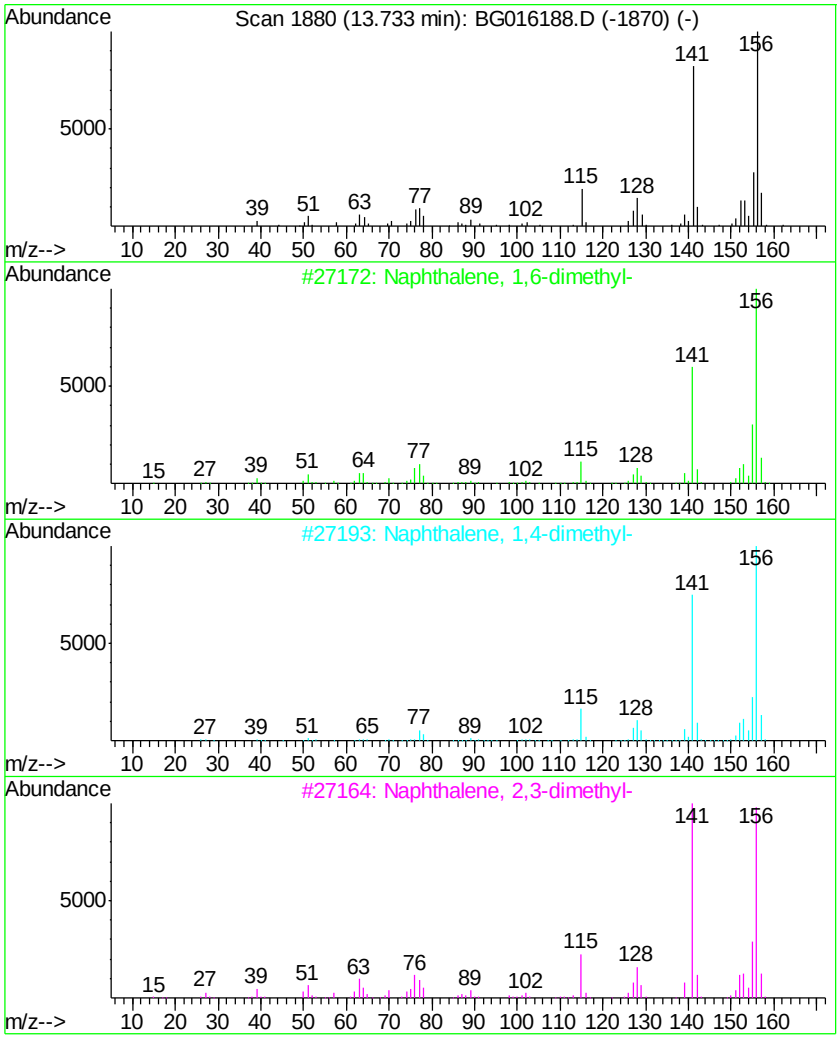
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

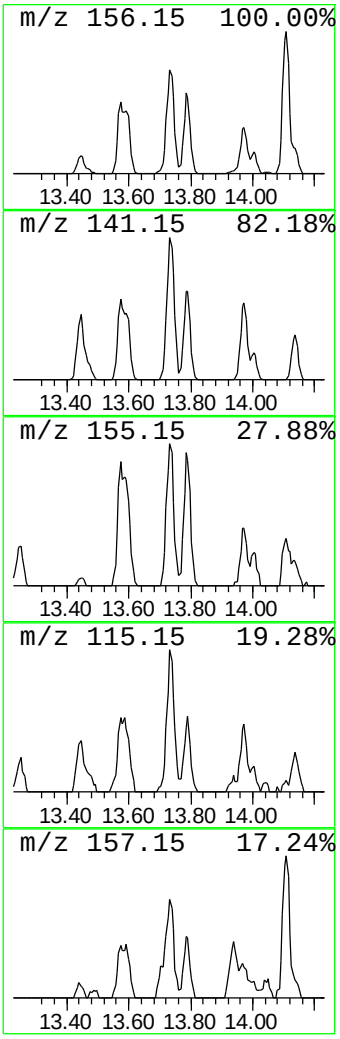
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.49 ng/ul	160689	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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

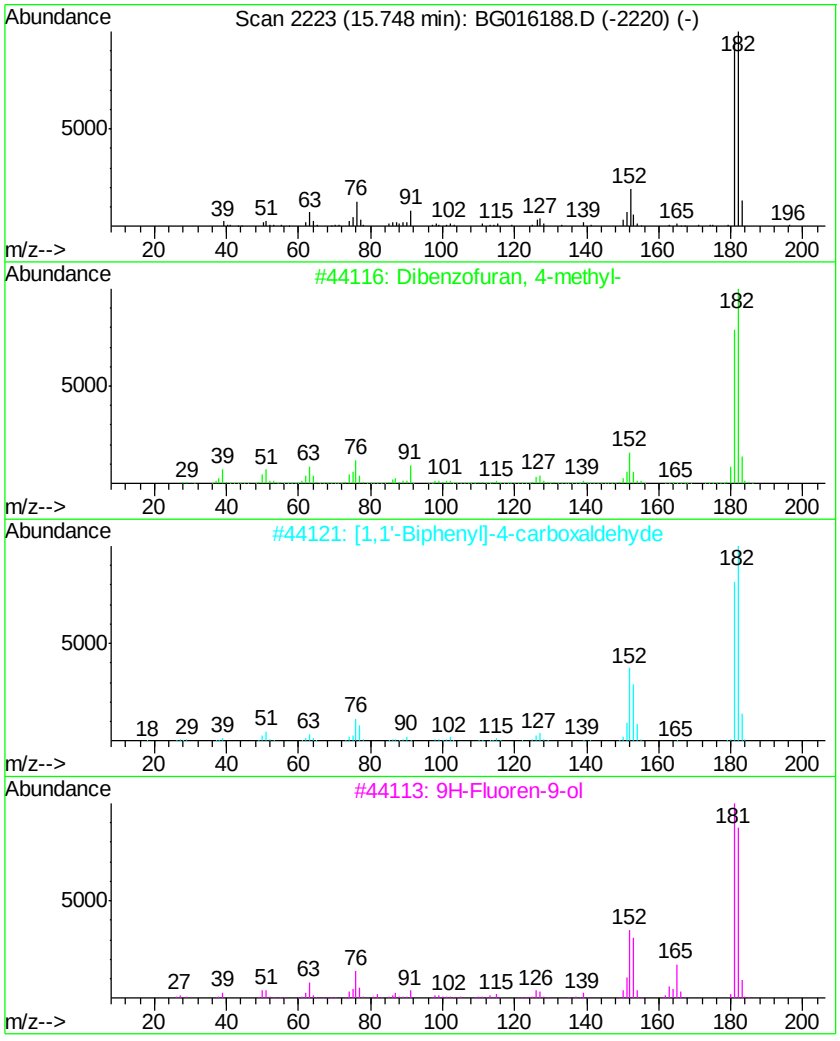
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

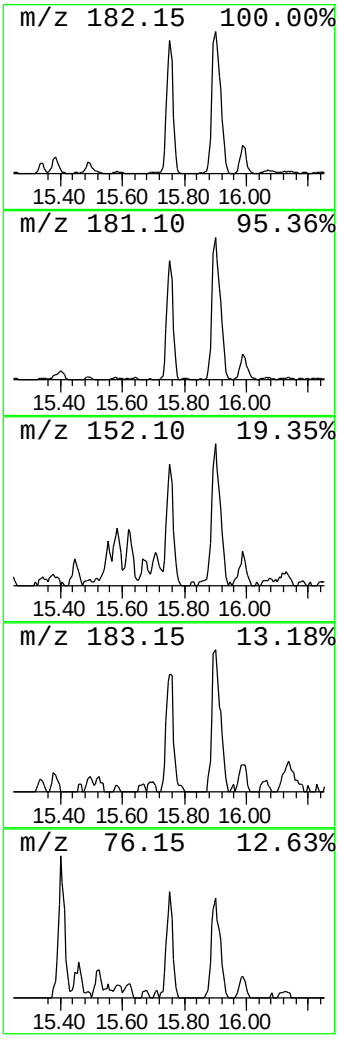
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	3.72 ng/ul	132866	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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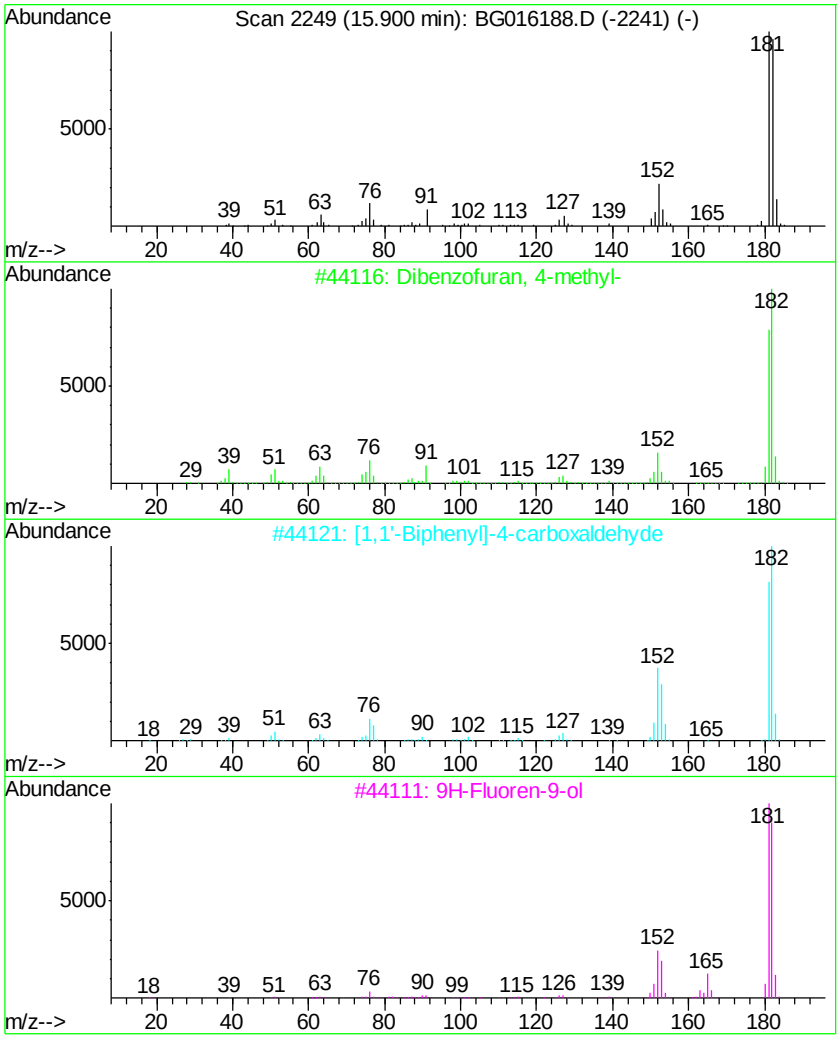
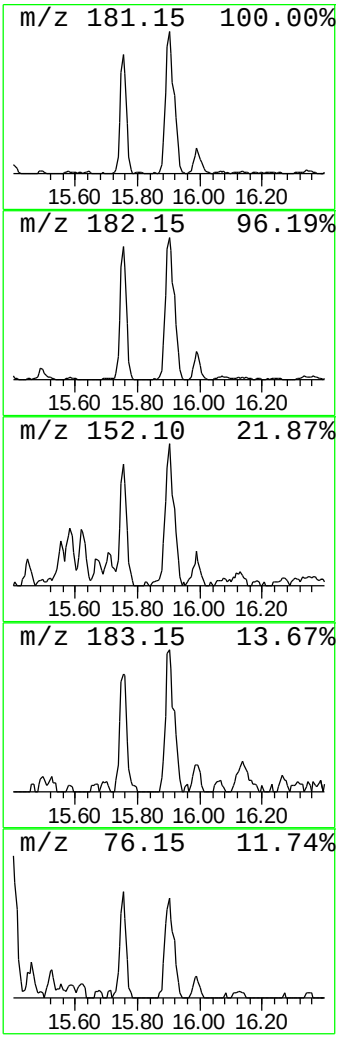
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	4.99 ng/ul	203850	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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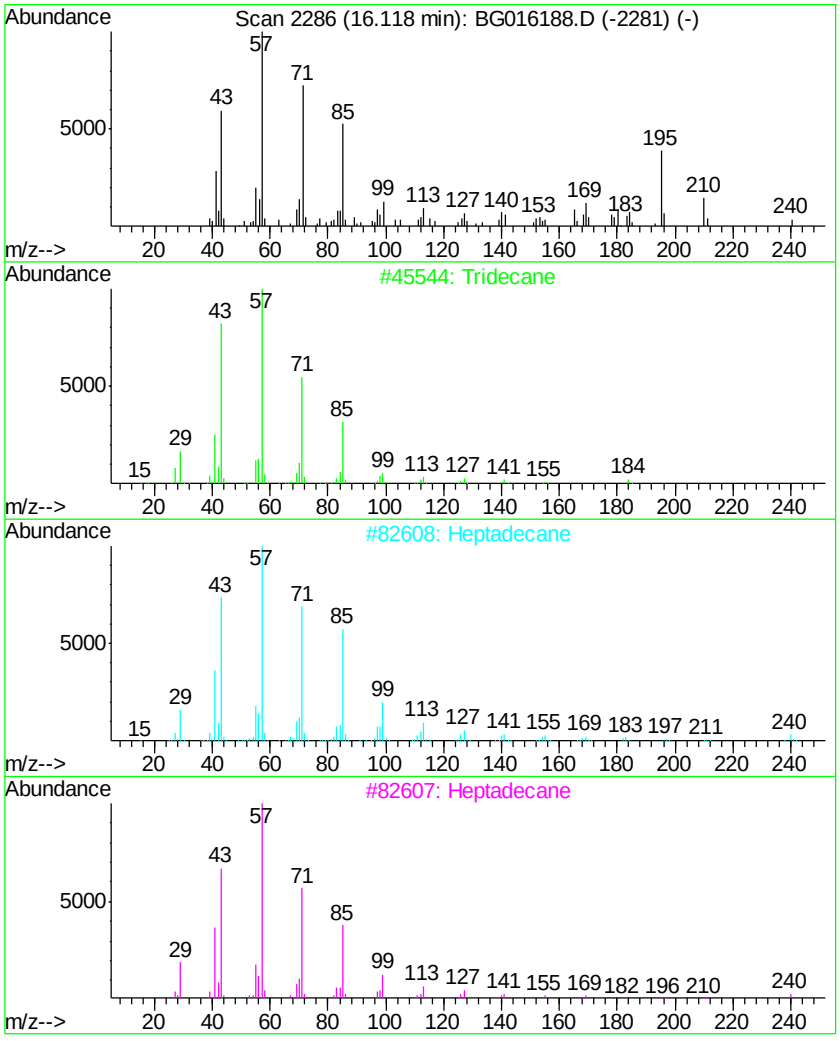
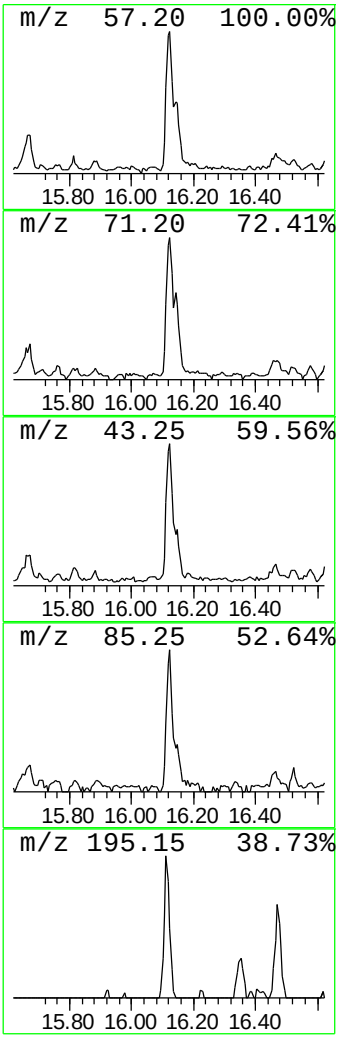
Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	3.18 ng/ul	130012	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Heptadecane	240	C17H36	000629-78-7	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tridecane	184	C13H28	000629-50-5	70
5	Hexadecane	226	C16H34	000544-76-3	58





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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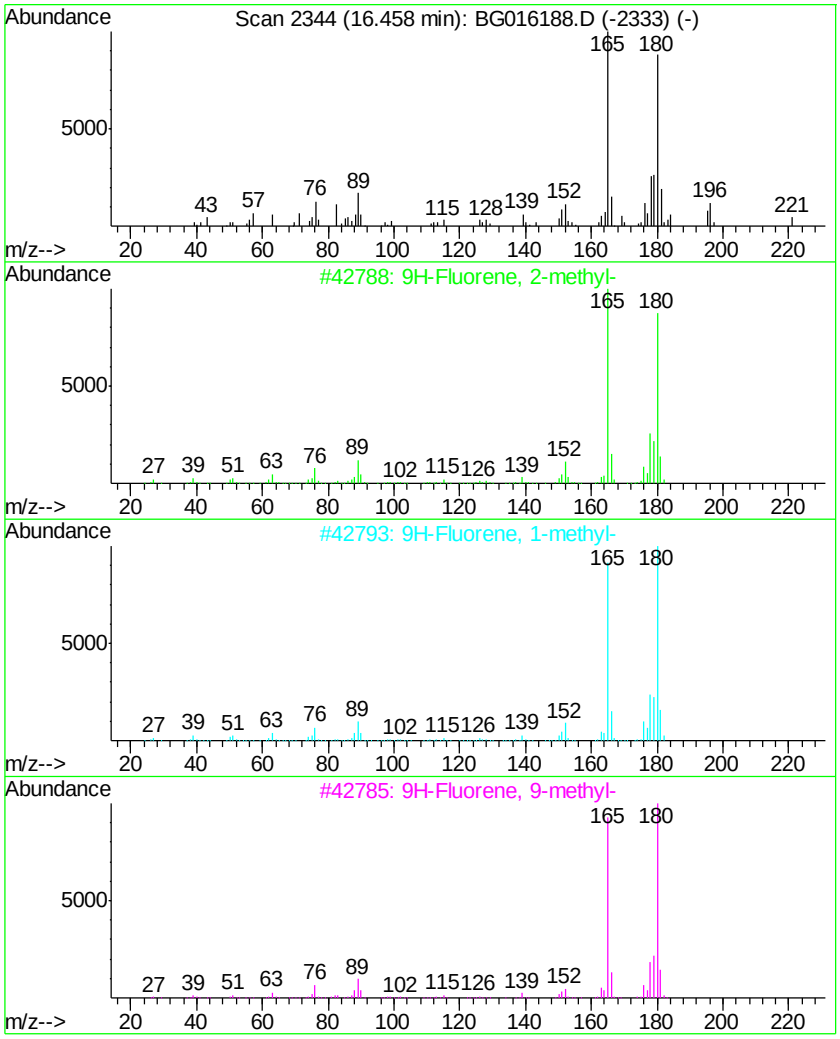
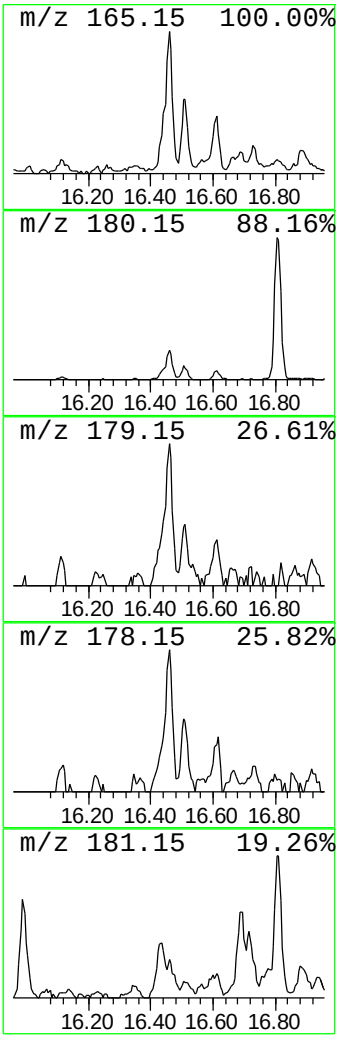
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	3.06 ng/ul	125014	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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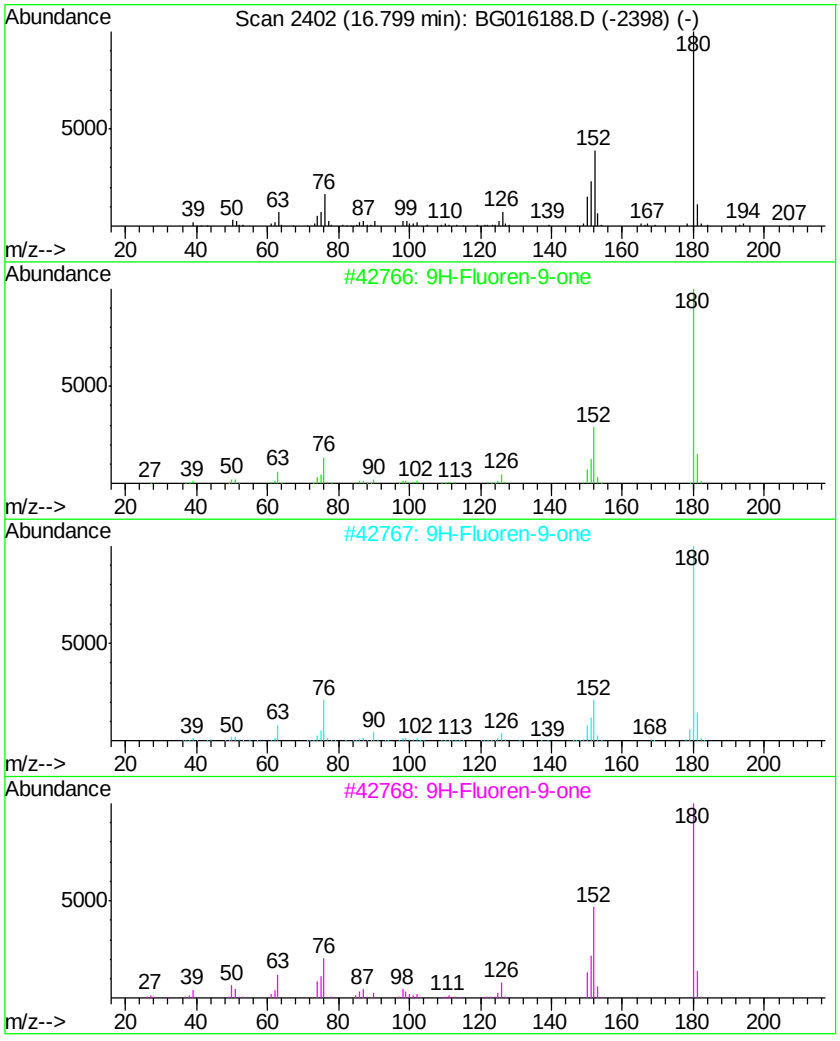
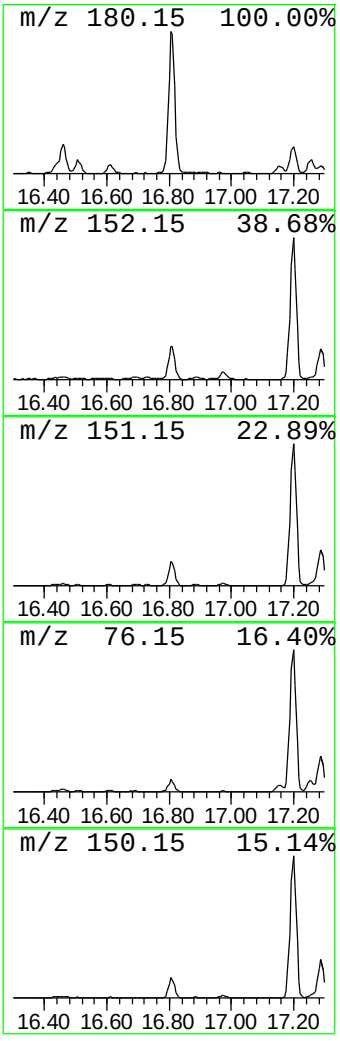
Peak Number 11 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	4.65 ng/ul	190002	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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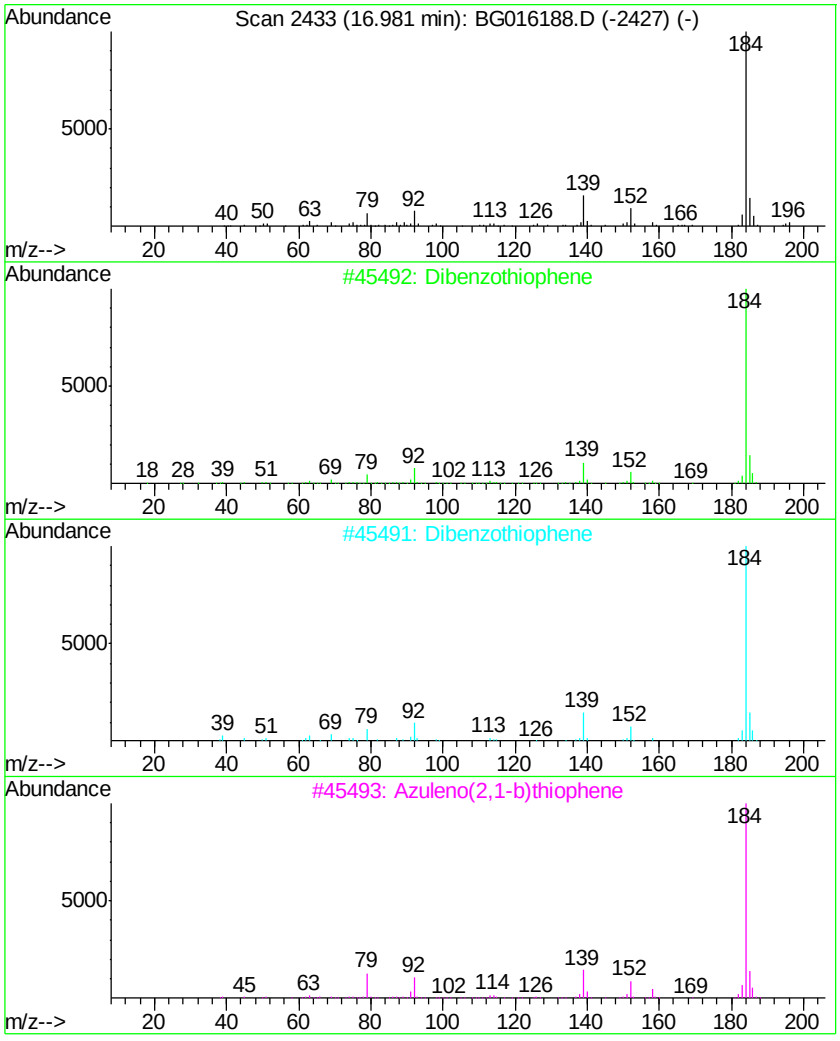
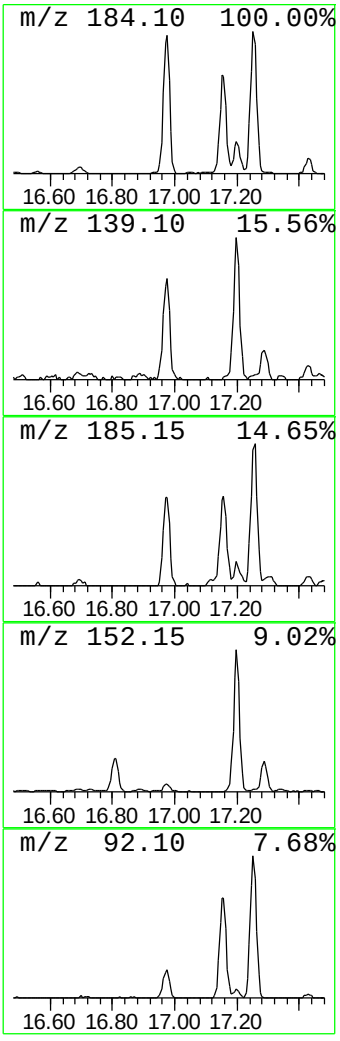
Peak Number 12 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	4.18 ng/ul	170617	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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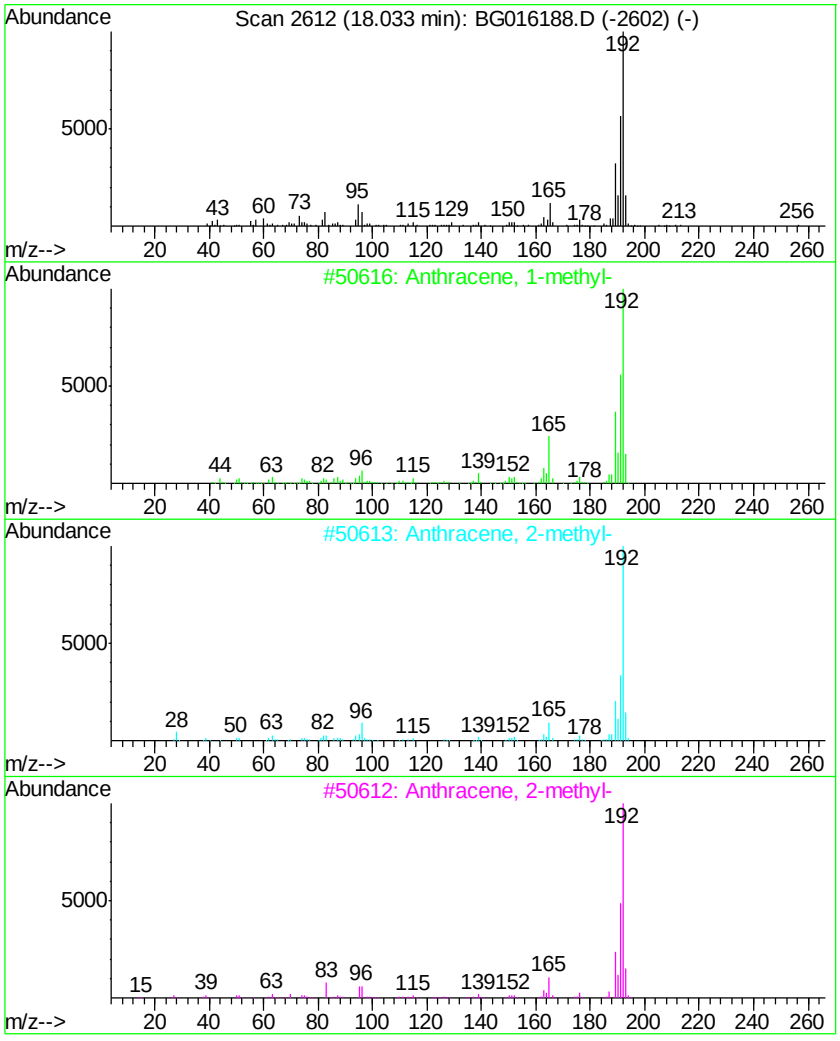
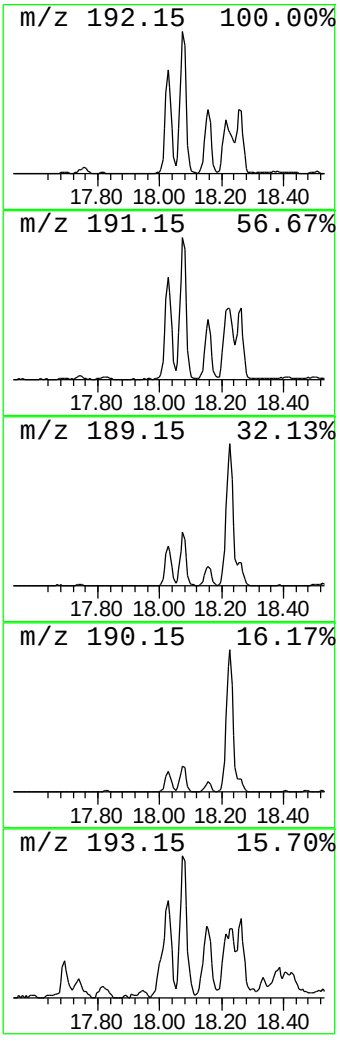
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	8.05 ng/ul	328825	Phenanthrene-d10	17.16

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





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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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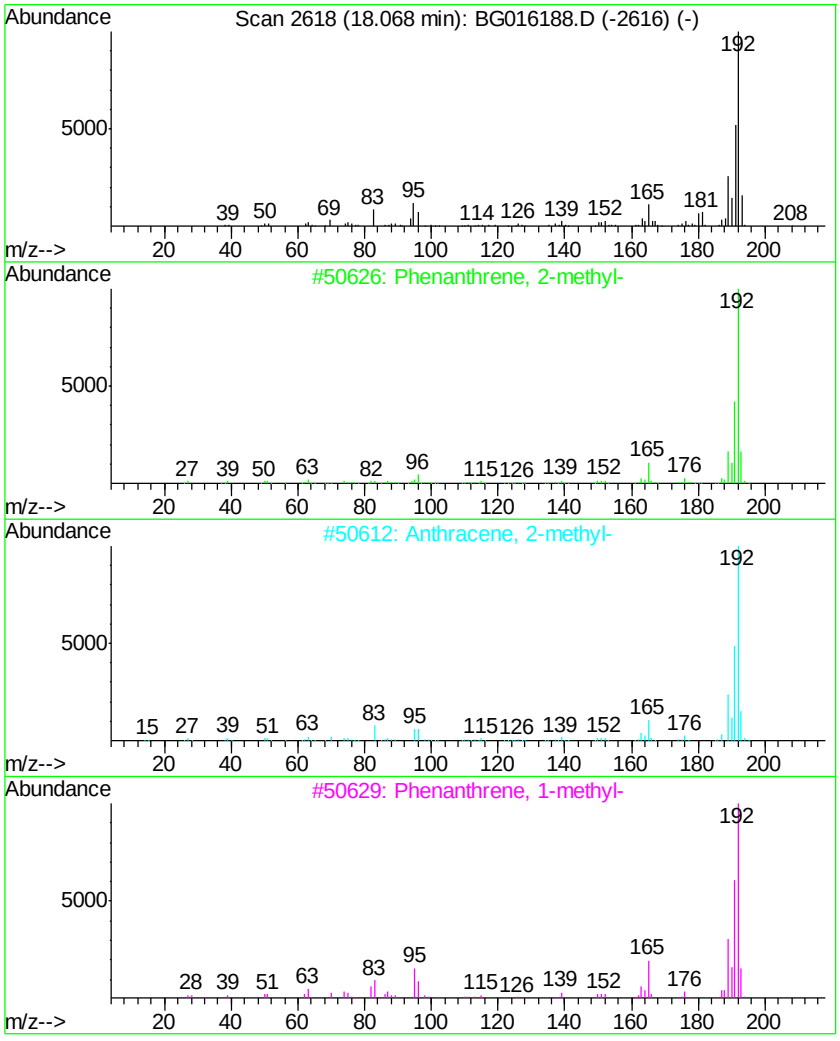
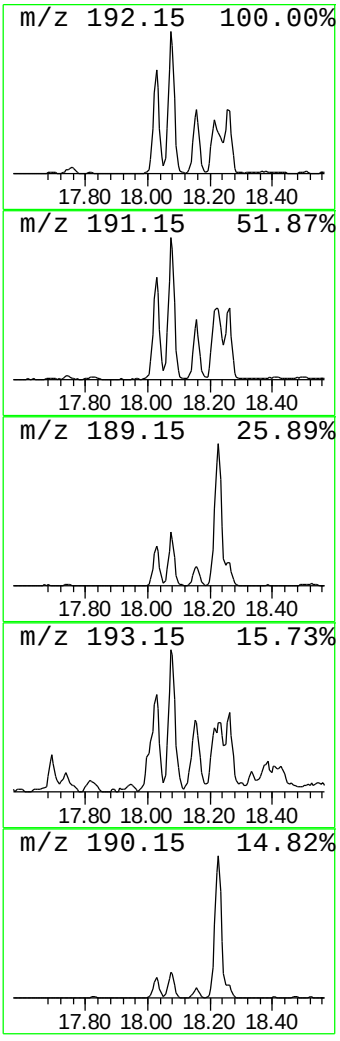
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.76 ng/ul	316997	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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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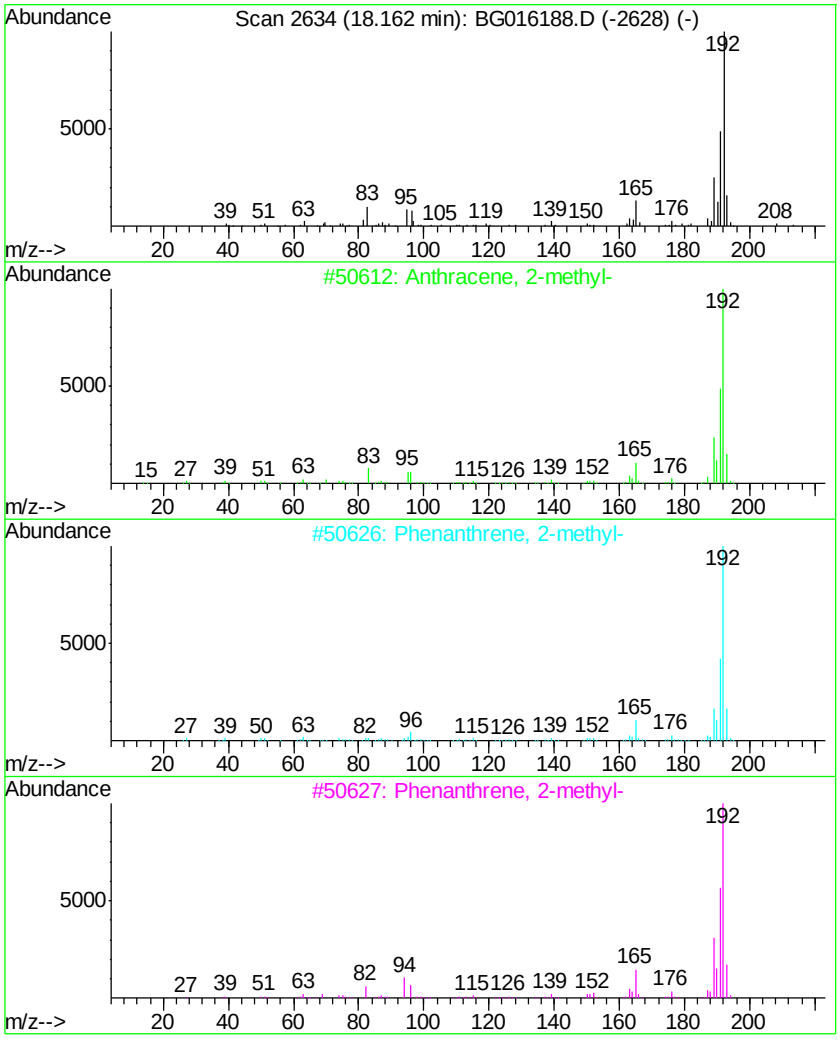
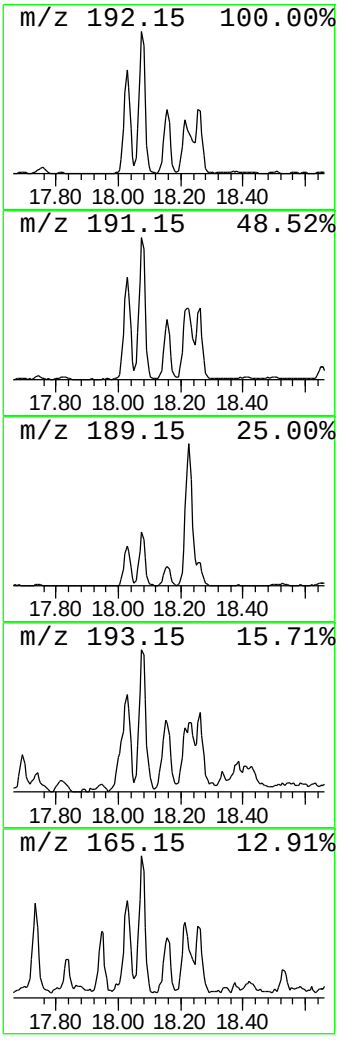
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.11 ng/ul	126965	Phenanthrene-d10	17.16

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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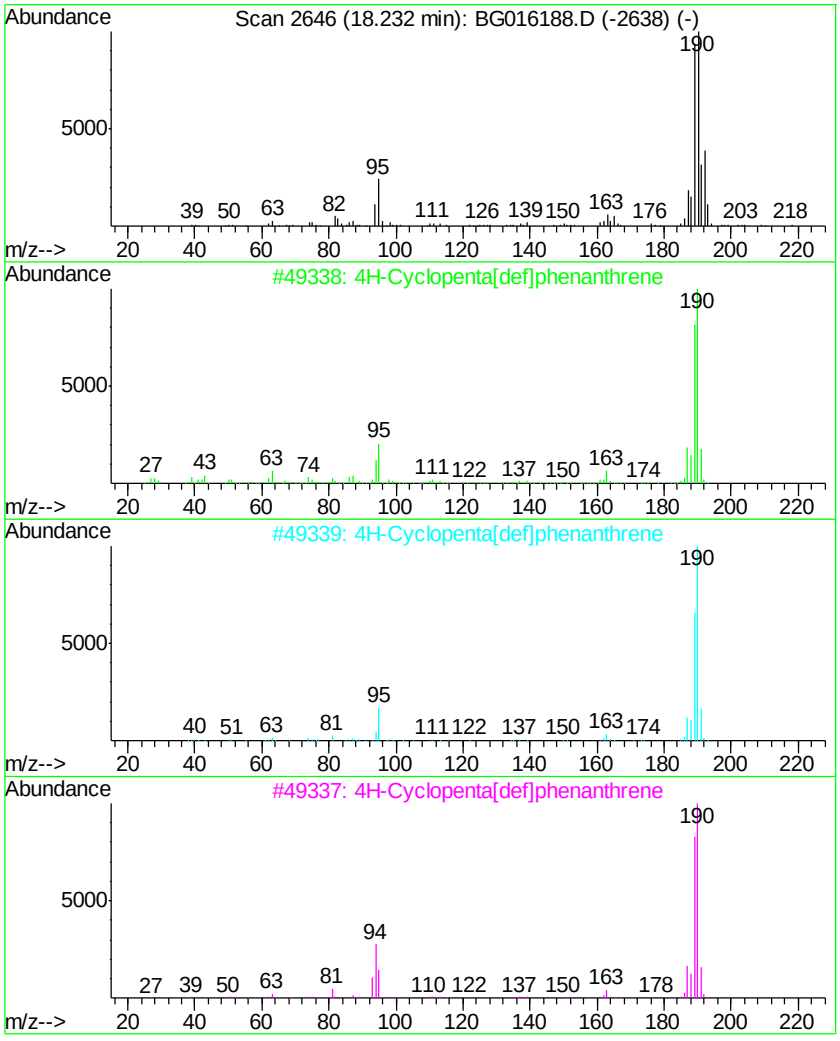
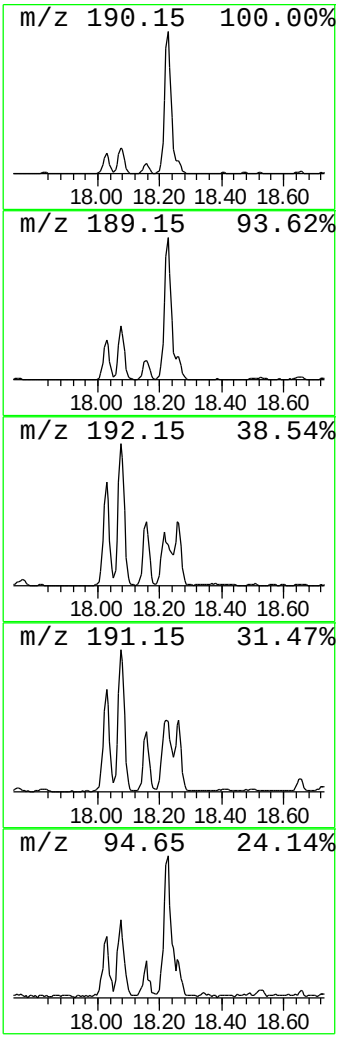
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	9.64 ng/ul	393745	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	58
5	4-Oxo-2-(4-fluorophenyl)-3,4-dih...	190	C10H7FN2O	076128-79-5	35





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Quant Title : SVOA CALIBRATION

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

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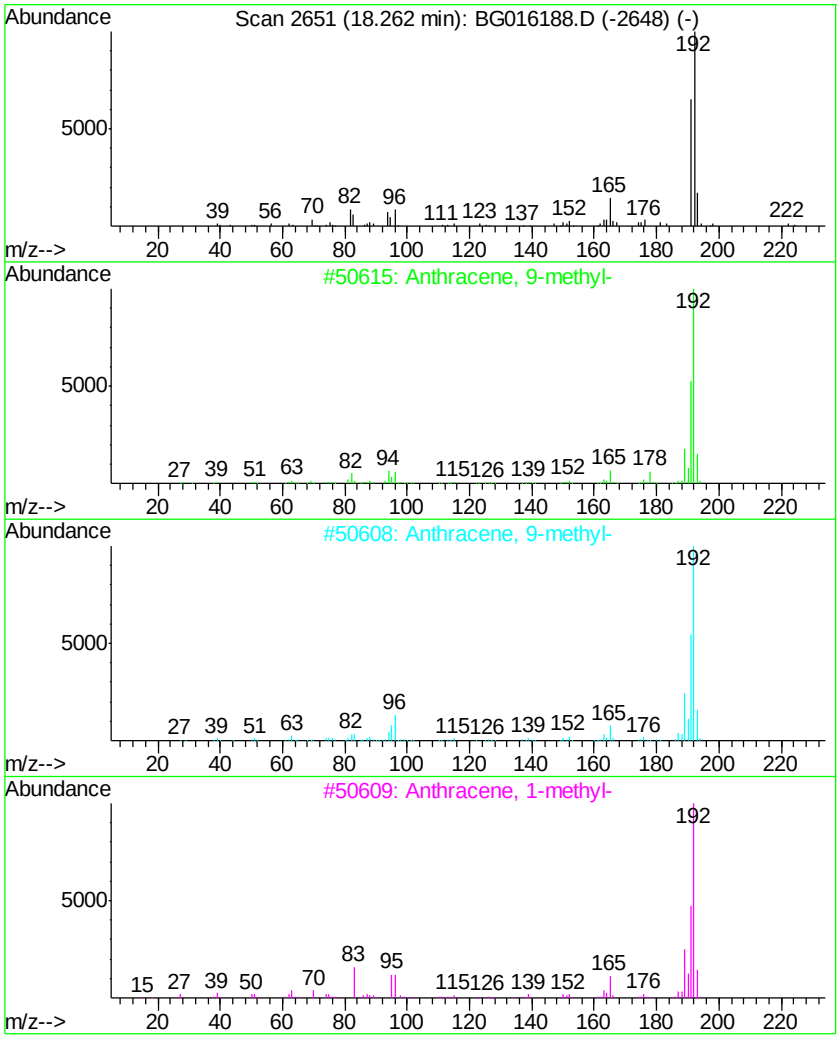
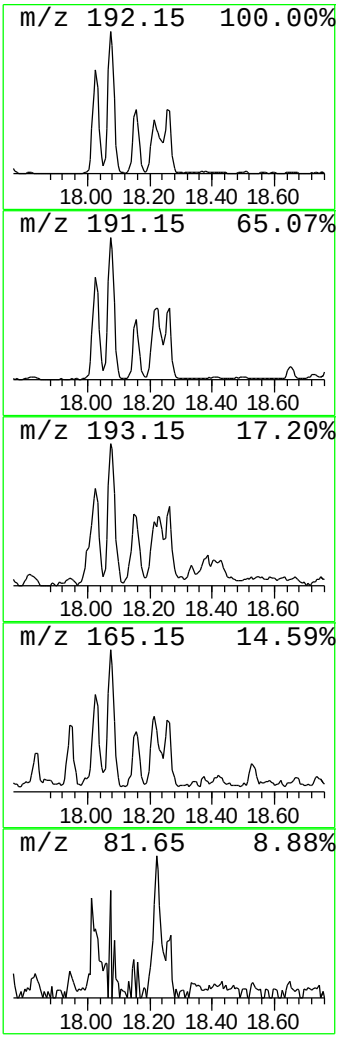
Peak Number 17 Anthracene, 9-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.04 ng/ul	124045	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87





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Misc :
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ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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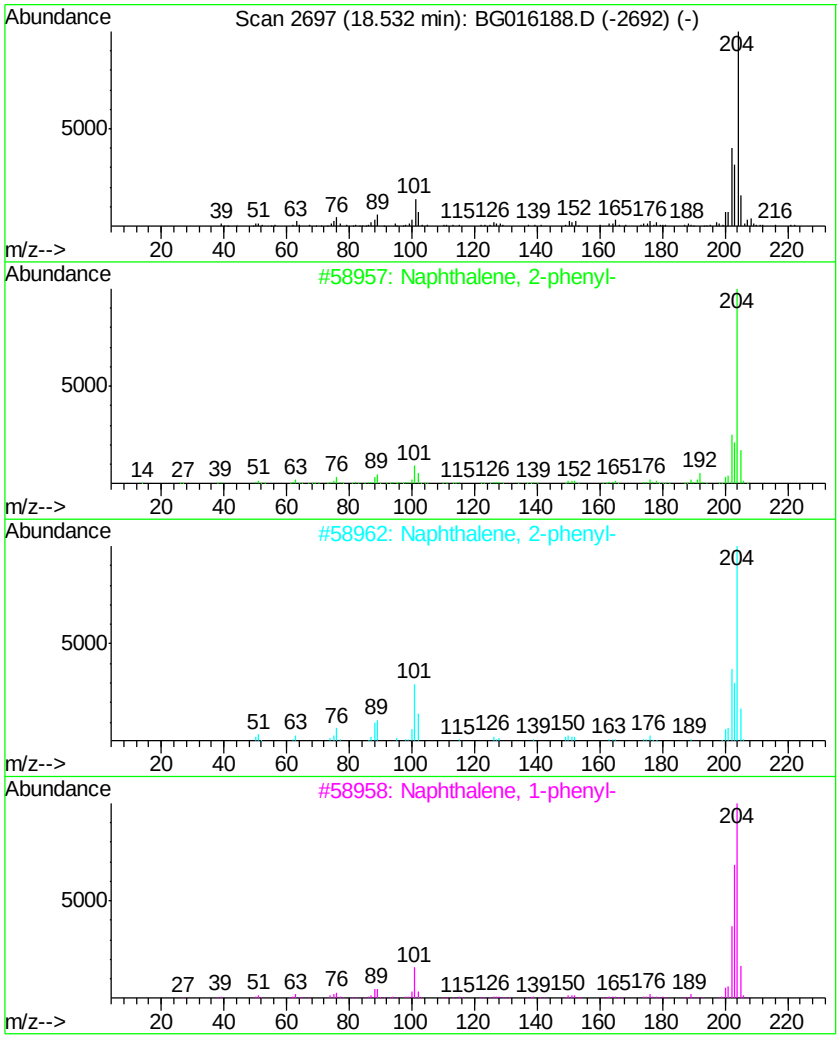
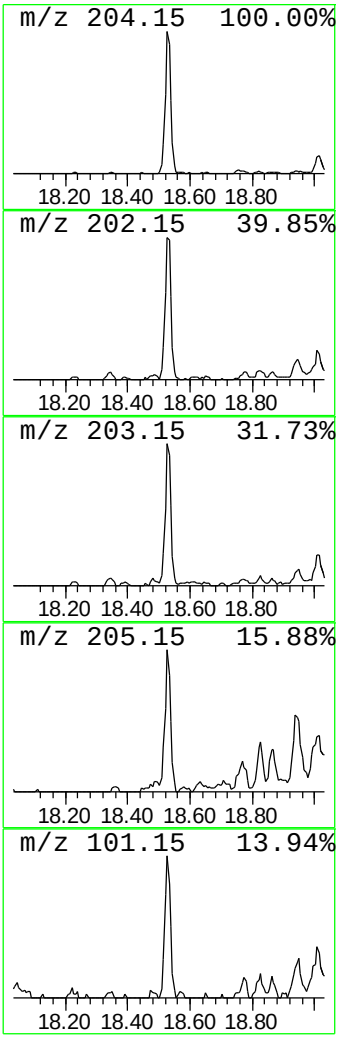
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	3.94 ng/ul	161023	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	81





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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Quant Title : SVOA CALIBRATION

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

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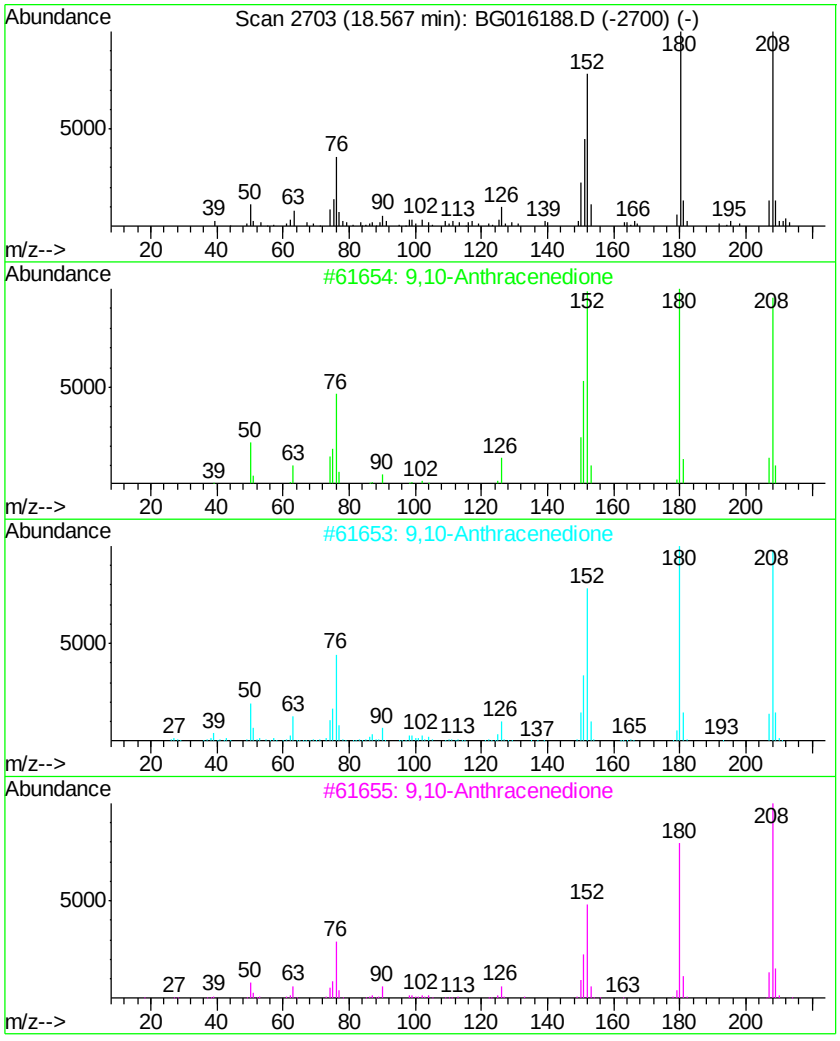
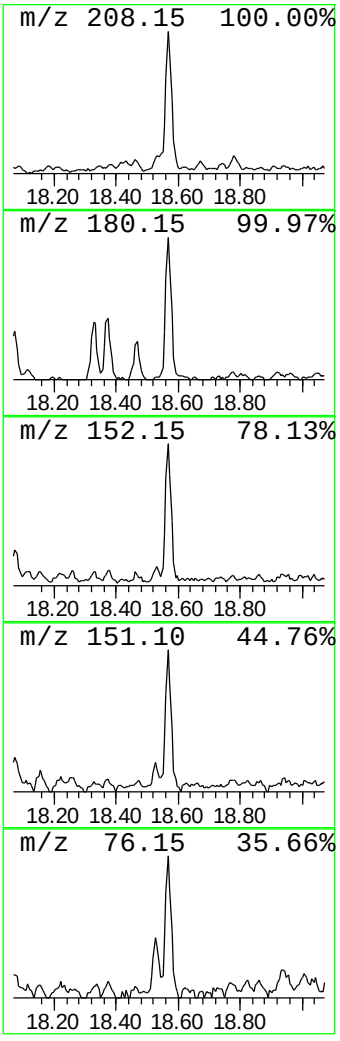
Peak Number 19 9,10-Anthracenedione Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.16 ng/ul	88076	Phenanthrene-d10	17.16

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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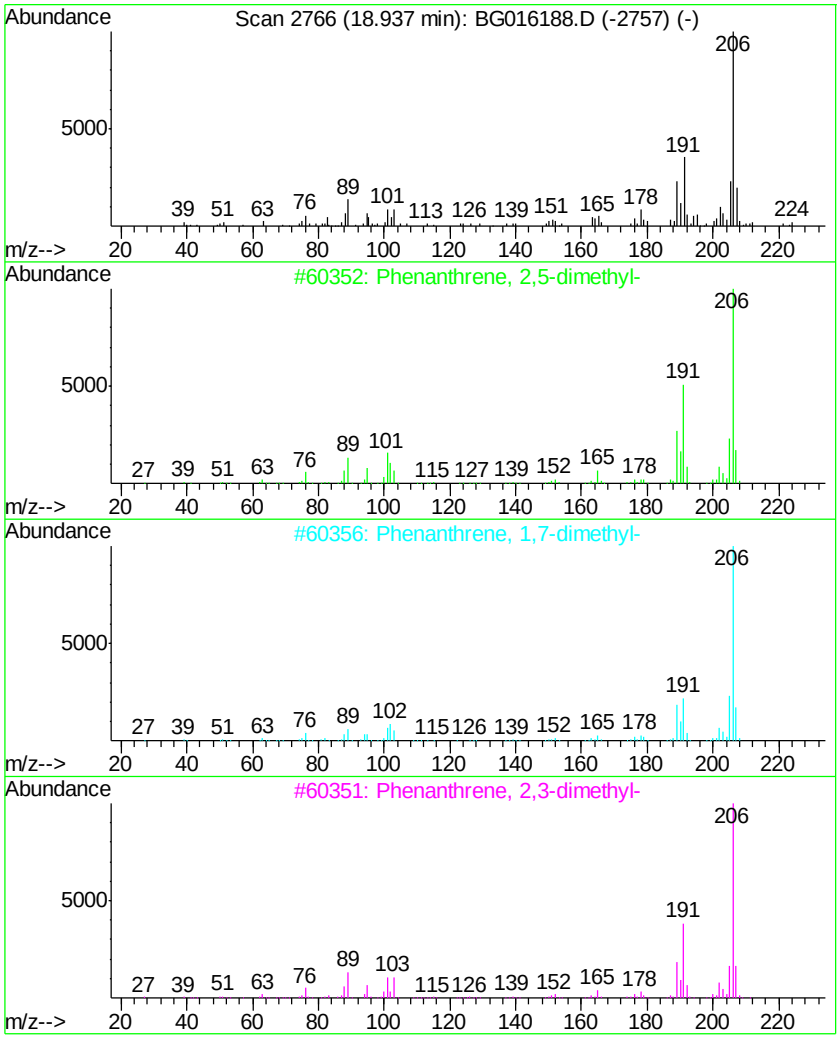
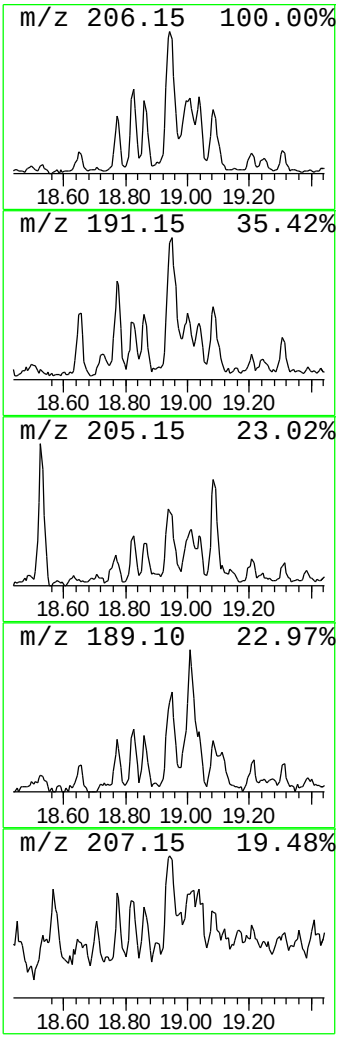
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	4.15 ng/ul	169532	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
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Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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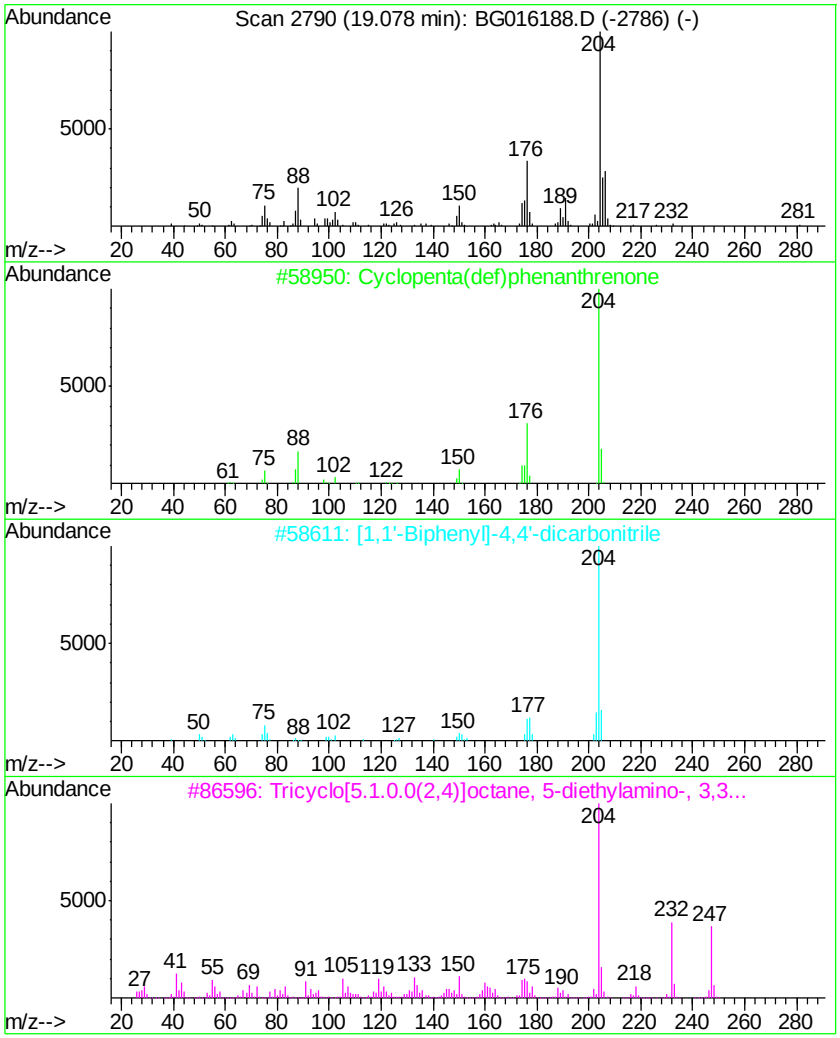
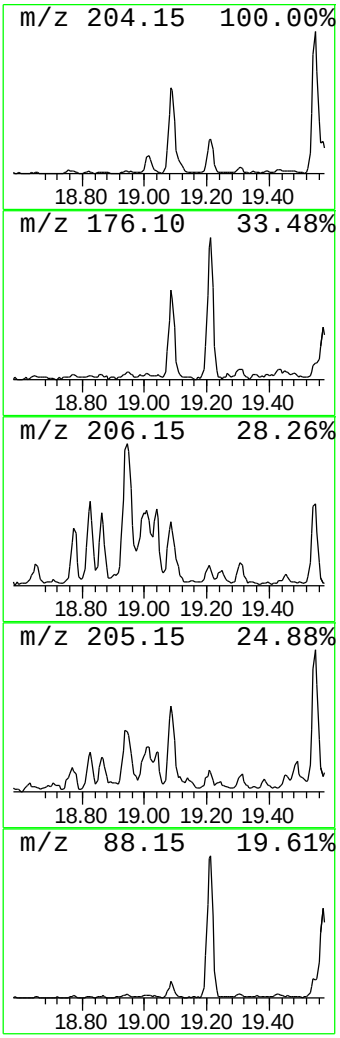
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	3.47 ng/ul	141840	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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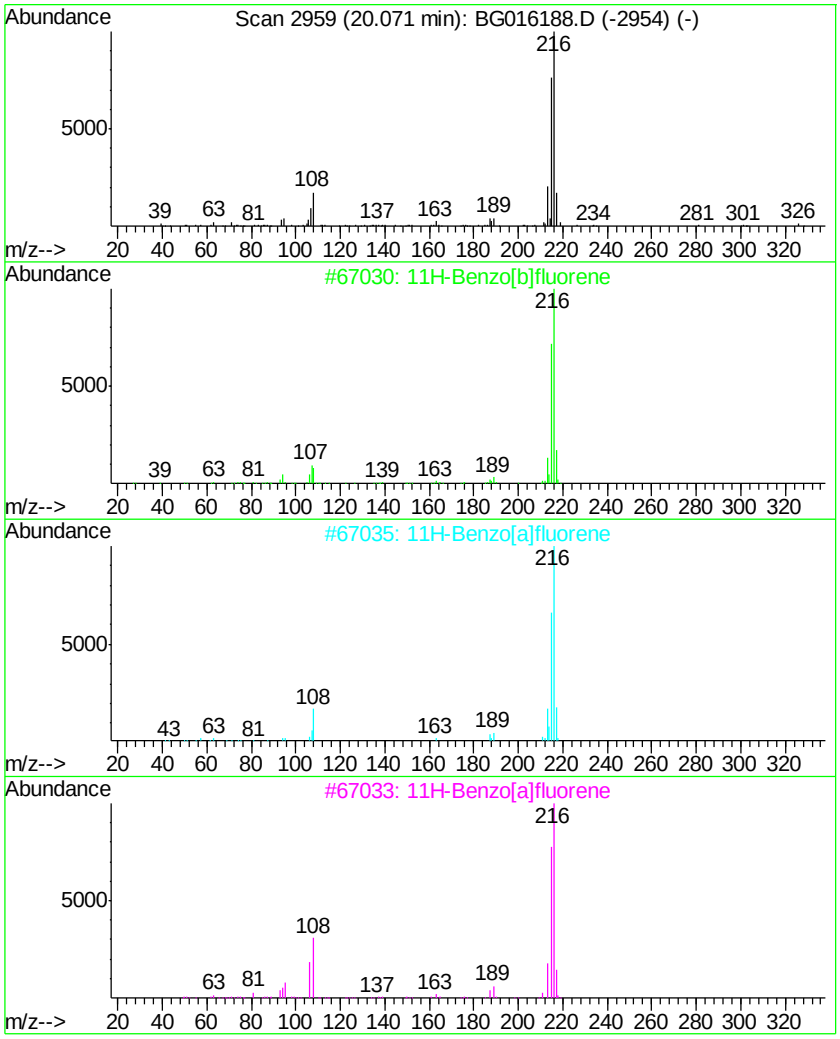
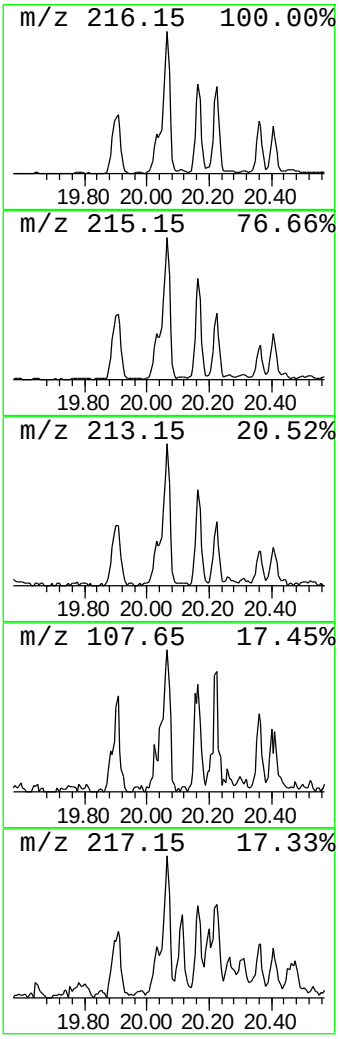
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.46 ng/ul	225499	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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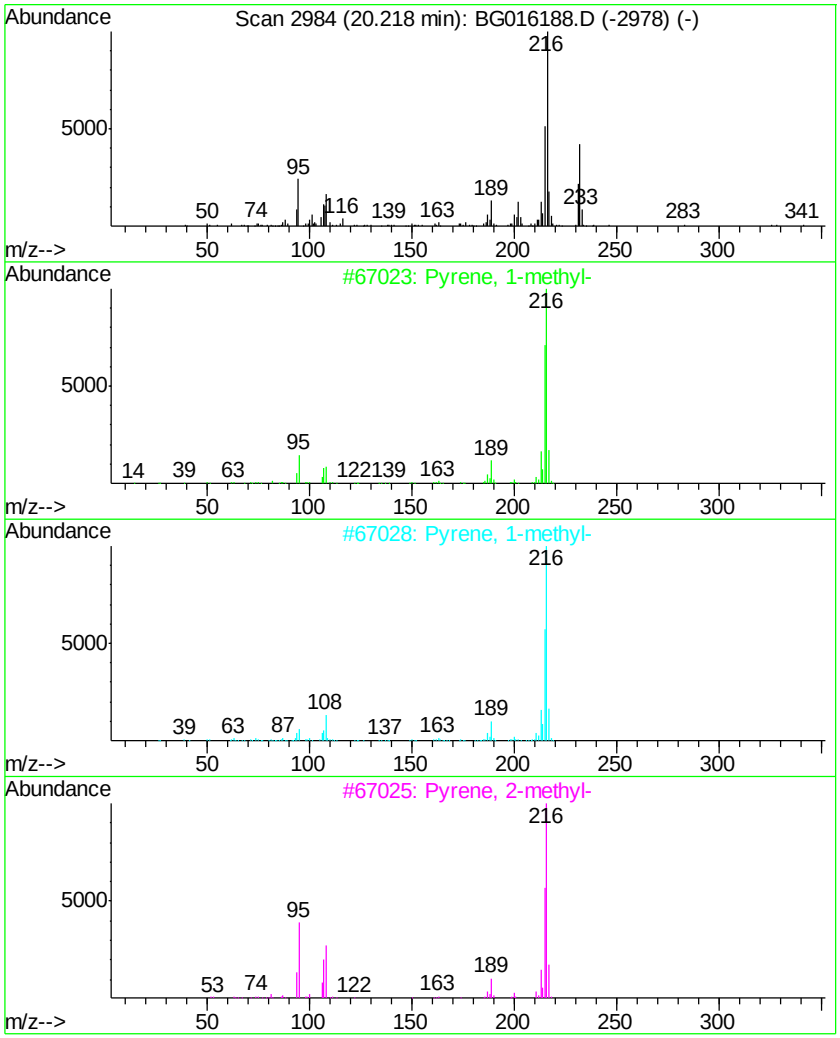
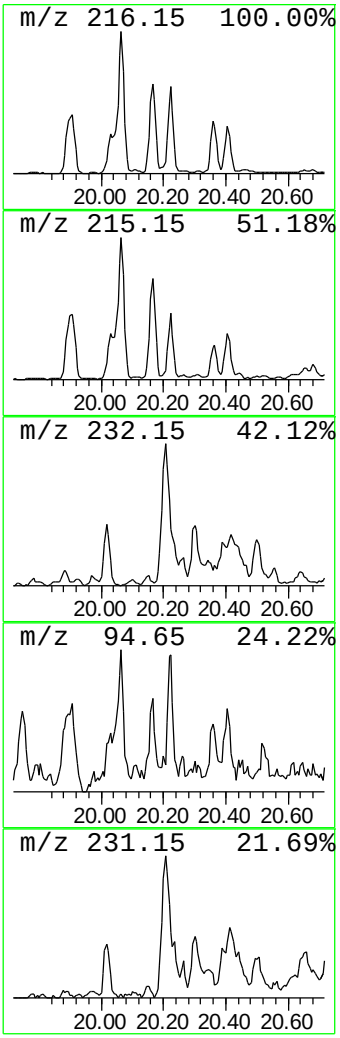
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.06 ng/ul	188640	Chrysene-d12	21.33

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	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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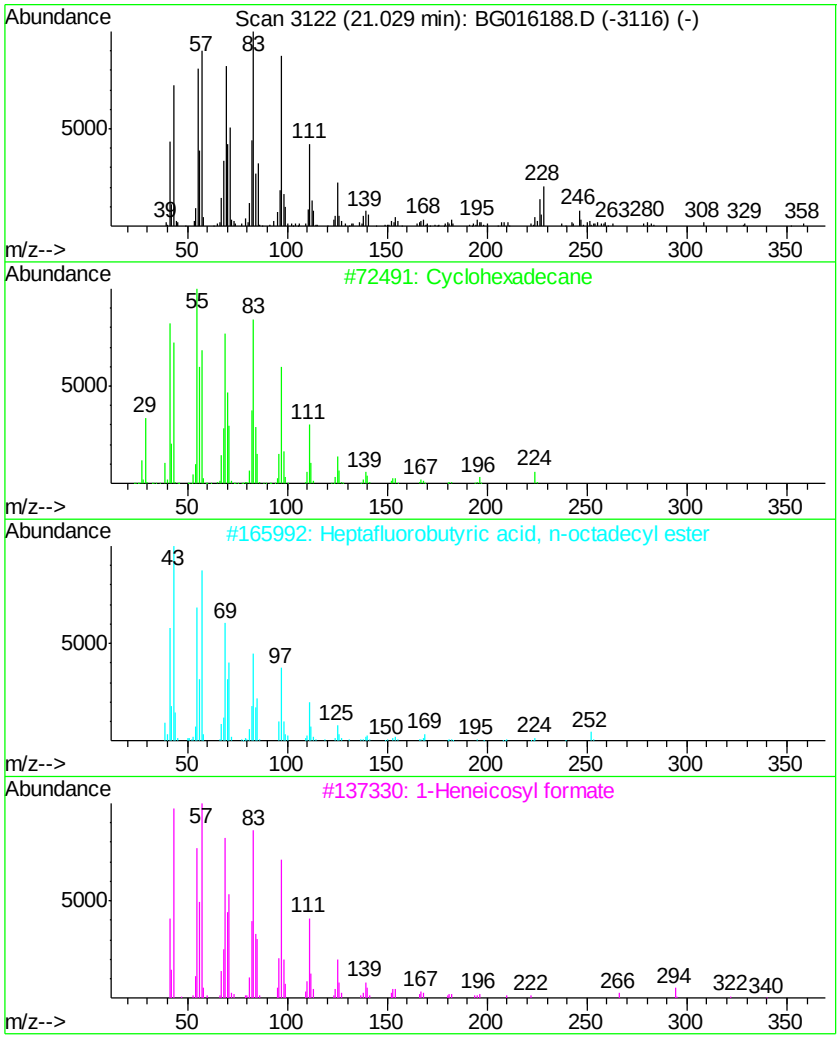
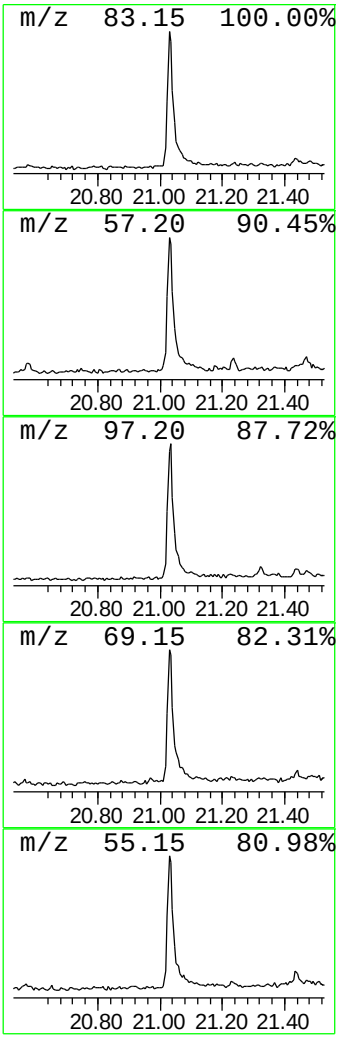
Peak Number 24 (DEL) Alkane: Cyclic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	5.86 ng/ul	537907	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	87
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	87
4	1-Octadecanol	270	C18H38O	000112-92-5	87
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	83





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Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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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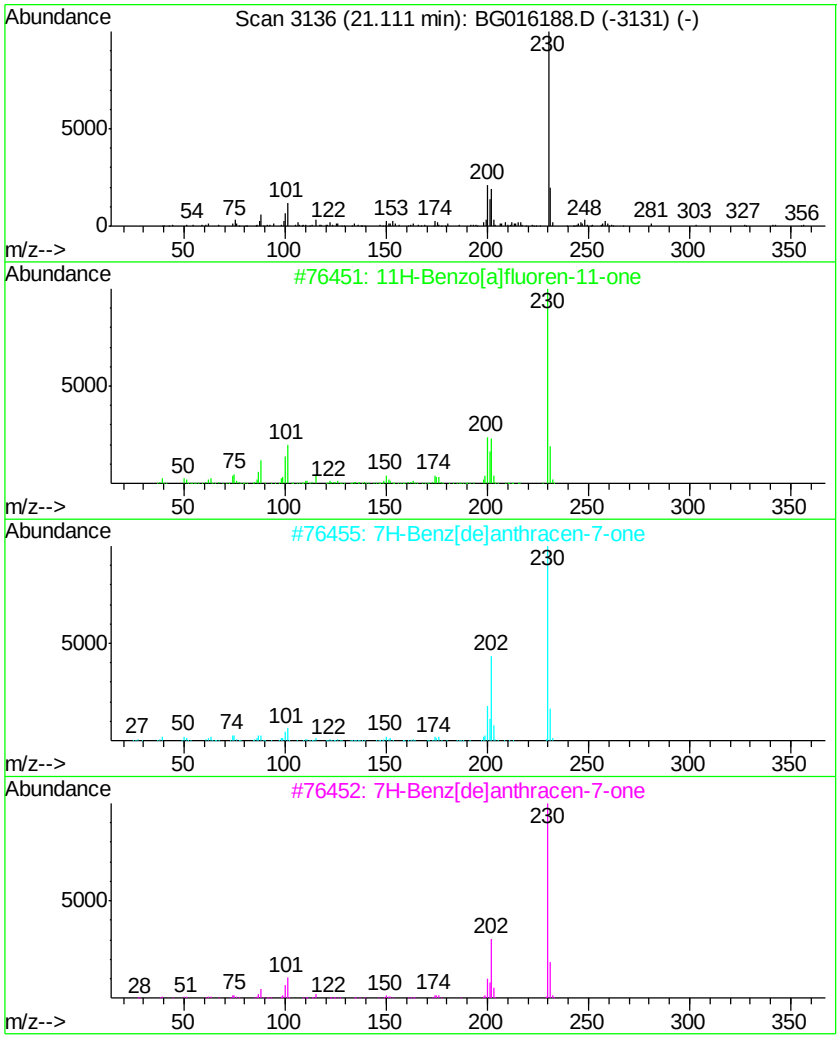
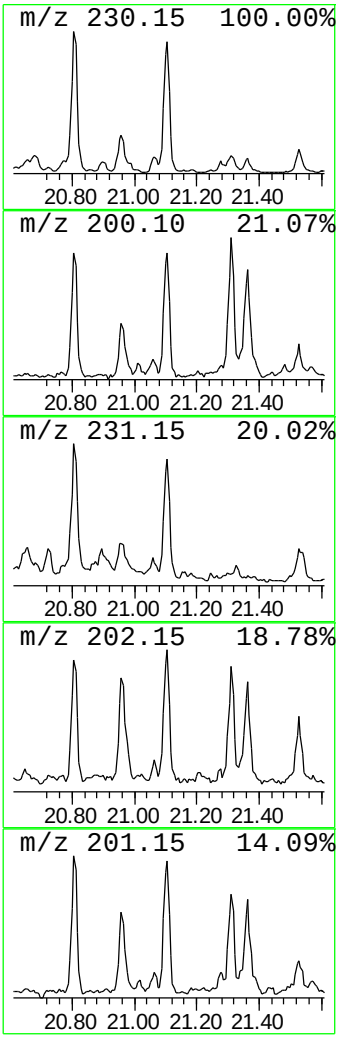
Peak Number 25 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.18 ng/ul	199981	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016188.D
Acq On : 27 Mar 2015 22:56
Operator : TP/IZ
Sample : G1647-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD6

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	46.4	ng/ul	727554	1	7.79	313973	20.0
Naphthalene, 1-me...	12.46	5.8	ng/ul	148022	2	10.58	506654	20.0
Naphthalene, 2,7-...	13.57	4.0	ng/ul	141098	3	14.41	715080	20.0
Naphthalene, 1,6-...	13.73	4.5	ng/ul	160689	3	14.41	715080	20.0
Dibenzofuran, 4-m...	15.75	3.7	ng/ul	132866	3	14.41	715080	20.0
[1,1'-Biphenyl]-4...	15.90	5.0	ng/ul	203850	4	17.16	816586	20.0
(DEL) Alkane: Str...	16.12	3.2	ng/ul	130012	4	17.16	816586	20.0
9H-Fluorene, 2-me...	16.46	3.1	ng/ul	125014	4	17.16	816586	20.0
9H-Fluoren-9-one	16.80	4.7	ng/ul	190002	4	17.16	816586	20.0
Dibenzothiophene	16.98	4.2	ng/ul	170617	4	17.16	816586	20.0
Anthracene, 1-met...	18.03	8.1	ng/ul	328825	4	17.16	816586	20.0
Phenanthrene, 2-m...	18.07	7.8	ng/ul	316997	4	17.16	816586	20.0
Anthracene, 2-met...	18.16	3.1	ng/ul	126965	4	17.16	816586	20.0
4H-Cyclopenta[def...	18.23	9.6	ng/ul	393745	4	17.16	816586	20.0
Anthracene, 9-met...	18.26	3.0	ng/ul	124045	4	17.16	816586	20.0
Naphthalene, 2-ph...	18.53	3.9	ng/ul	161023	4	17.16	816586	20.0
9,10-Anthracenedione	18.57	2.2	ng/ul	88076	4	17.16	816586	20.0
Phenanthrene, 2,5...	18.94	4.2	ng/ul	169532	4	17.16	816586	20.0
Cyclopenta(def)ph...	19.08	3.5	ng/ul	141840	4	17.16	816586	20.0
11H-Benzo[b]fluorene	20.07	2.5	ng/ul	225499	5	21.33	1835150	20.0
Pyrene, 1-methyl-	20.22	2.1	ng/ul	188640	5	21.33	1835150	20.0
(DEL) Alkane: Cyclic	21.03	5.9	ng/ul	537907	5	21.33	1835150	20.0
11H-Benzo[a]fluor...	21.11	2.2	ng/ul	199981	5	21.33	1835150	20.0