LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	4.075	79	83	91	rBV	22949	42640	1.29%	0.086%
2	4.551	156	164	177	rVB	483727	830260	25.16%	1.682%
3	5.855	380	386	392	rVB	35648	59668	1.81%	0.121%
4	5.985	399	408	420	rBV	89446	215500	6.53%	0.437%
5	6.349	462	470	478	rBV3	30128	65399	1.98%	0.133%
6	7.418	645	652	657	rVV	42253	68695	2.08%	0.139%
7	7.495	657	665	683	rVB2	202509	464580	14.08%	0.941%
8	7.653	685	692	699	rBV	139361	240691	7.30%	0.488%
9	7.877	721	730	736	rBV	188476	343454	10.41%	0.696%
10	7.976	742	747	757	rVB	52908	91733	2.78%	0.186%
11	8.341	802	809	820	rVB	146637	266172	8.07%	0.539%
12	8.969	910	916	921	rBV3	24693	46799	1.42%	0.095%
13	9.034	921	927	935	rVV	221825	413352	12.53%	0.837%
14	9.510	1000	1008	1019	rVB	193173	394889	11.97%	0.800%
15	10.233	1122	1131	1141	rBV	184650	346830	10.51%	0.703%
16	10.779	1216	1224	1231	rBV	264072	504525	15.29%	1.022%
17	11.161	1280	1289	1293	rVV	205158	402548	12.20%	0.816%
18	11.208	1293	1297	1304	rVV	141614	270709	8.20%	0.548%
19	11.290	1304	1311	1327	rVB	120948	267282	8.10%	0.542%
20	12.794	1560	1567	1575	rVB	342986	583792	17.69%	1.183%
21	13.012	1594	1604	1612	rVB2	93229	181497	5.50%	0.368%
22	13.781	1730	1735	1744	rVB2	52248	95108	2.88%	0.193%
23	13.975	1764	1768	1780	rVB	51226	105067	3.18%	0.213%
24	14.110	1781	1791	1800	rBV3	115231	336382	10.20%	0.682%
25	14.263	1811	1817	1822	rBV3	100228	198531	6.02%	0.402%
26	14.340	1822	1830	1834	rVV	518459	911796	27.64%	1.847%
27	14.387	1834	1838	1844	rVB	348950	514703	15.60%	1.043%
28	14.504	1852	1858	1868	rBV2	53395	104130	3.16%	0.211%
29	14.645	1876	1882	1894	rBV	517273	955012	28.95%	1.935%
30	14.951	1922	1934	1941	rBV2	334996	662184	20.07%	1.342%
31	15.015	1941	1945	1950	rVB3	66210	113471	3.44%	0.230%
32	15.150	1960	1968	1977	rBV3	198054	413304	12.53%	0.837%
33	15.238	1978	1983	1990	rVV9	22409	65780	1.99%	0.133%
34	15.338	1990	2000	2007	rVV2	104415	231929	7.03%	0.470%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	15.409	2007	2012	2018	rVB2	70116	113900	3.45%	0.231%
36	15.556	2031	2037	2041	rBV	56878	106989	3.24%	0.217%
37	15.609	2042	2046	2050	rVB	53986	79783	2.42%	0.162%
38	15.726	2058	2066	2068	rBV5	43174	100609	3.05%	0.204%
39	15.938	2092	2102	2108	rBV	688215	1098070	33.28%	2.225%
40	15.991	2108	2111	2116	rVB3	52324	87933	2.67%	0.178%
41	16.061	2118	2123	2129	rBV2	184022	267292	8.10%	0.542%
42	16.278	2152	2160	2168	rVB6	44168	128763	3.90%	0.261%
43	16.431	2182	2186	2193	rVB3	39907	78364	2.38%	0.159%
44	16.631	2212	2220	2234	rVB8	51265	219694	6.66%	0.445%
45	16.795	2244	2248	2252	rBV3	27619	46087	1.40%	0.093%
46	16.995	2272	2282	2287	rBV9	39444	121680	3.69%	0.247%
47	17.054	2287	2292	2298	rVV2	69729	116848	3.54%	0.237%
48	17.224	2313	2321	2324	rBV8	33657	90619	2.75%	0.184%
49	17.354	2337	2343	2349	rBV5	58842	118139	3.58%	0.239%
50	17.412	2349	2353	2357	rBV4	27236	56052	1.70%	0.114%
51	17.518	2367	2371	2382	rVB	72385	124670	3.78%	0.253%
52	17.700	2396	2402	2405	rBV	420449	665853	20.18%	1.349%
53	17.741	2405	2409	2414	rVV	762523	1217373	36.90%	2.466%
54	17.800	2414	2419	2430	rVB2	745800	1349184	40.89%	2.733%
55	17.888	2431	2434	2439	rVB2	58060	91139	2.76%	0.185%
56	18.106	2465	2471	2476	rBV	101671	189896	5.76%	0.385%
57	18.282	2497	2501	2515	rVB2	54393	115942	3.51%	0.235%
58	18.570	2542	2550	2554	rBV2	231205	543507	16.47%	1.101%
59	18.623	2554	2559	2564	rVB	284164	449652	13.63%	0.911%
60	18.699	2568	2572	2577	rBV	84352	116016	3.52%	0.235%
61	18.770	2577	2584	2588	rBV2	220481	514257	15.59%	1.042%
62	19.058	2629	2633	2638	rBV	136710	206392	6.26%	0.418%
63	19.110	2638	2642	2649	rVB3	104279	179690	5.45%	0.364%
64	19.298	2671	2674	2678	rVB2	55269	77189	2.34%	0.156%
65	19.351	2679	2683	2686	rBV	66249	80695	2.45%	0.163%
66	19.392	2687	2690	2697	rVB3	69295	96291	2.92%	0.195%
67	19.475	2697	2704	2708	rBV	172007	327595	9.93%	0.664%
68	19.622	2724	2729	2738	rBV5	82441	196699	5.96%	0.399%
69	19.745	2742	2750	2755	rBV	1902093	2845019	86.23%	5.764%
70	19.804	2756	2760	2763	rBV4	73891	105160	3.19%	0.213%
71	20.074	2800	2806	2809	rBV2	1164092	2126509	64.45%	4.308%

LSC Area Percent Report

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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	20.109	2809	2812	2818	rVV	1757672	2411043	73.08%	4.885%
73	20.168	2818	2822	2828	rVB	155398	231839	7.03%	0.470%
74	20.274	2836	2840	2845	rVB	142598	211644	6.41%	0.429%
75	20.427	2858	2866	2871	rBV4	180875	450470	13.65%	0.913%
76	20.585	2881	2893	2901	rBV	437175	1008430	30.56%	2.043%
77	20.685	2905	2910	2914	rBV	350700	531400	16.11%	1.077%
78	20.750	2915	2921	2925	rVB2	202506	395141	11.98%	0.801%
79	20.897	2941	2946	2950	rBV	138469	234901	7.12%	0.476%
80	20.938	2950	2953	2962	rVB	146197	278885	8.45%	0.565%
81	21.337	3017	3021	3025	rBV4	66579	120848	3.66%	0.245%
82	21.384	3025	3029	3036	rVB2	170126	309701	9.39%	0.627%
83	21.584	3058	3063	3067	rBV3	150593	302517	9.17%	0.613%
84	21.684	3075	3080	3085	rBV2	188631	342616	10.38%	0.694%
85	22.019	3129	3137	3144	rBV3	1311866	3299357	100.00%	6.685%
86	22.089	3144	3149	3160	rVB	1004809	2004638	60.76%	4.061%
87	22.254	3172	3177	3183	rBV2	129757	256074	7.76%	0.519%
88	22.324	3186	3189	3194	rBV5	55187	86546	2.62%	0.175%
89	22.477	3209	3215	3221	rBV2	139240	297873	9.03%	0.603%
90	22.818	3265	3273	3279	rVB	217639	503366	15.26%	1.020%
91	22.900	3283	3287	3295	rVB	129391	277222	8.40%	0.562%
92	23.123	3320	3325	3329	rBV3	90080	183066	5.55%	0.371%
93	24.434	3537	3548	3556	rBV	800196	3006165	91.11%	6.091%
94	24.710	3587	3595	3612	rVB	178686	524340	15.89%	1.062%
95	25.227	3673	3683	3690	rBV2	406092	1289624	39.09%	2.613%
96	25.315	3691	3698	3703	rVV2	305133	770864	23.36%	1.562%
97	25.385	3704	3710	3721	rVB	697248	1994378	60.45%	4.041%
98	25.550	3730	3738	3746	rBV	216460	638763	19.36%	1.294%
99	25.638	3748	3753	3769	rVB3	193496	670080	20.31%	1.358%
100	29.581	4413	4424	4451	rVB3	246989	1467900	44.49%	2.974%

Sum of corrected areas: 49357653

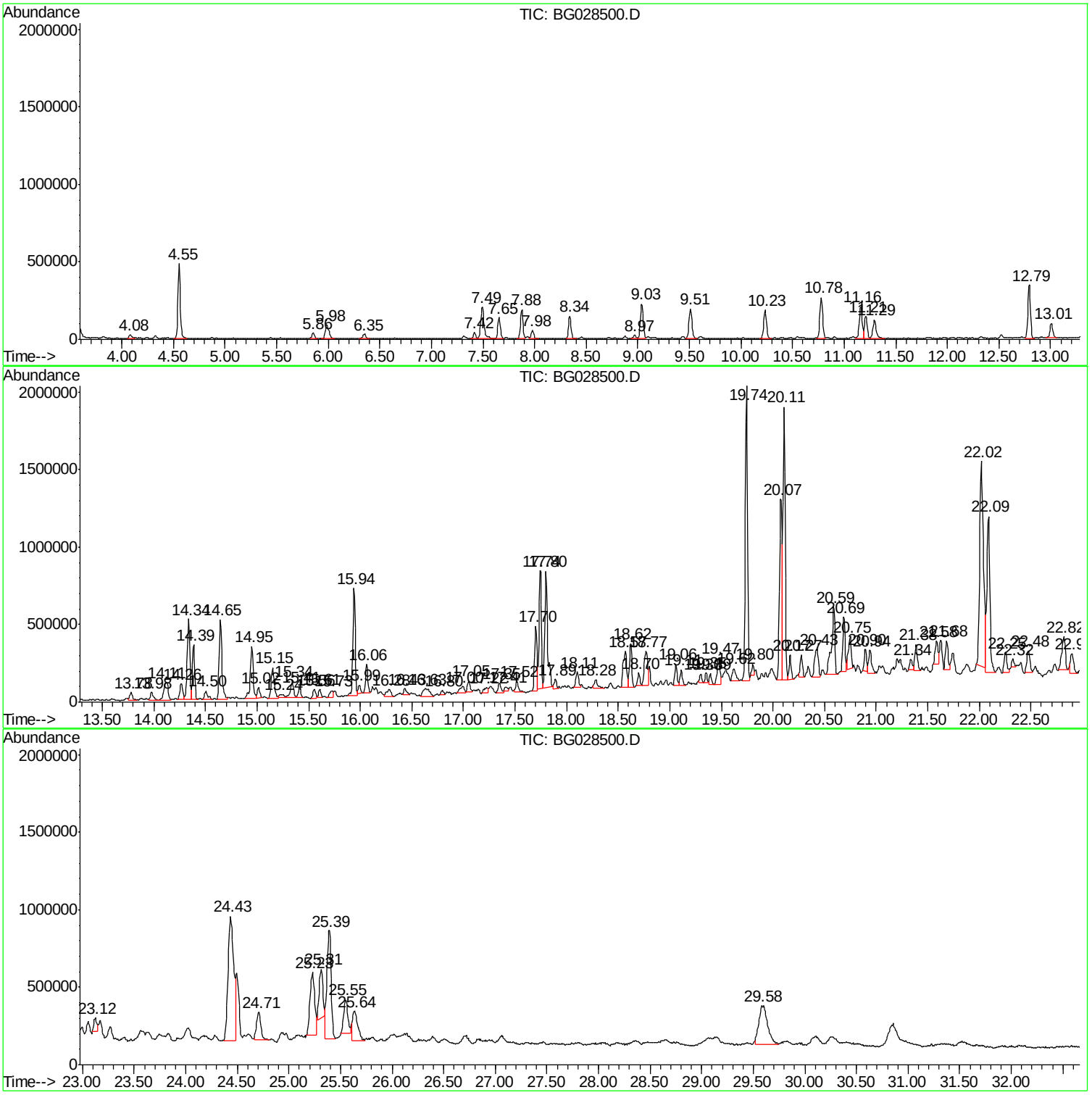
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

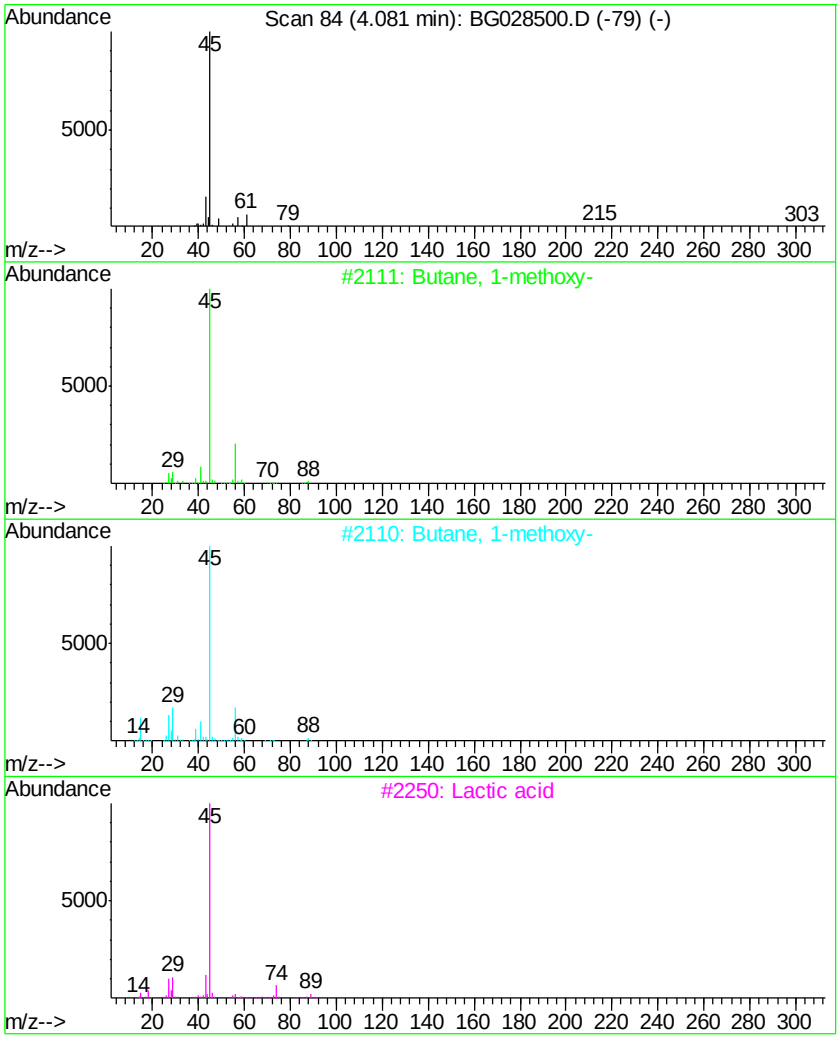
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

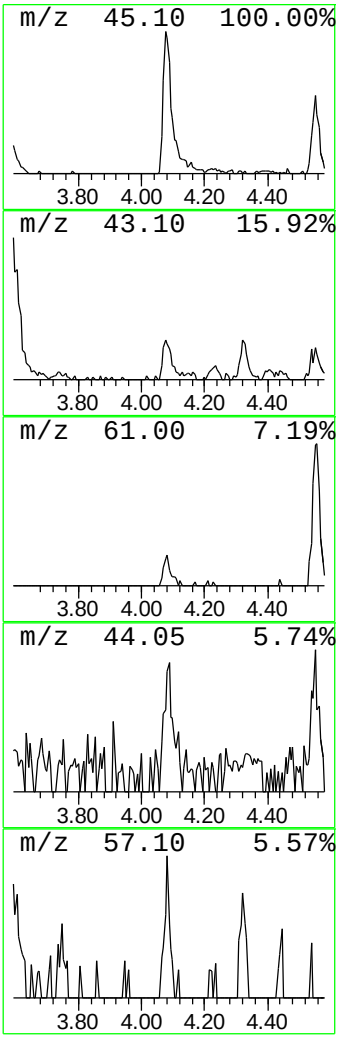
****

Peak Number 1 Butane, 1-methoxy- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	3.20 ng/ul	42640	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1-methoxy-	88	C5H12O	000628-28-4	50
2	Butane, 1-methoxy-	88	C5H12O	000628-28-4	39
3	Lactic acid	90	C3H6O3	000050-21-5	39
4	Butane, 1-methoxy-	88	C5H12O	000628-28-4	9
5	Propanoic acid, 3-methoxy-, meth...	118	C5H10O3	003852-09-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

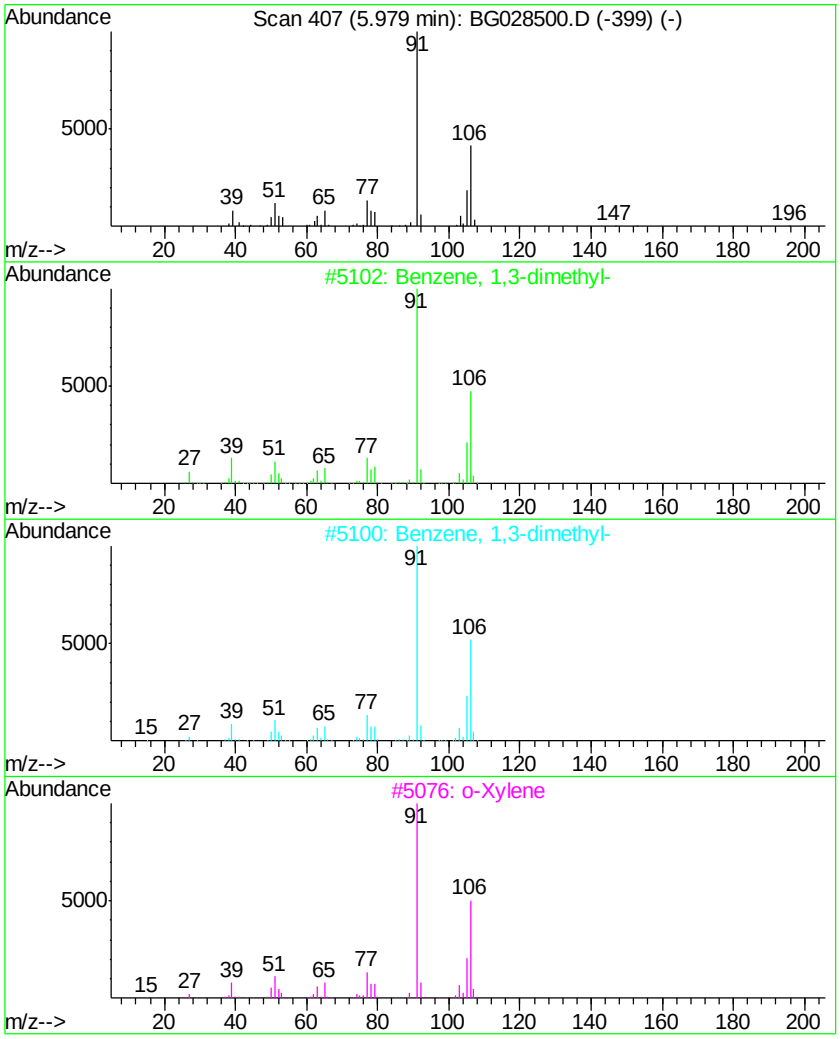
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

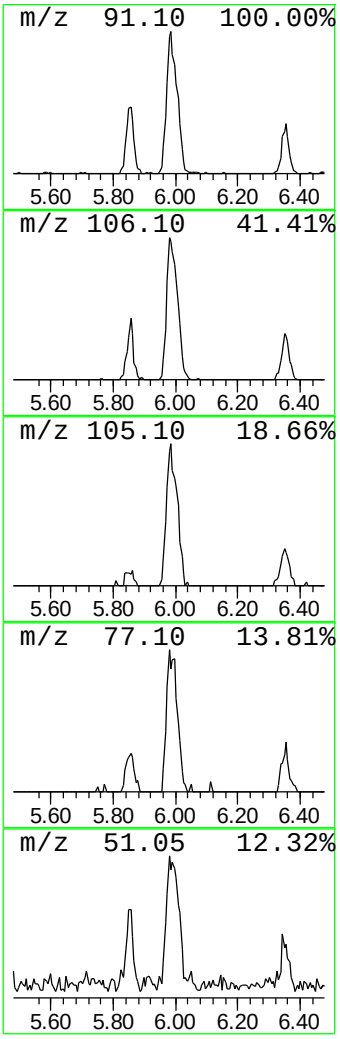
****

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	16.19 ng/ul	215500	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	p-Xylene	106	C8H10	000106-42-3	94
5	p-Xylene	106	C8H10	000106-42-3	93





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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

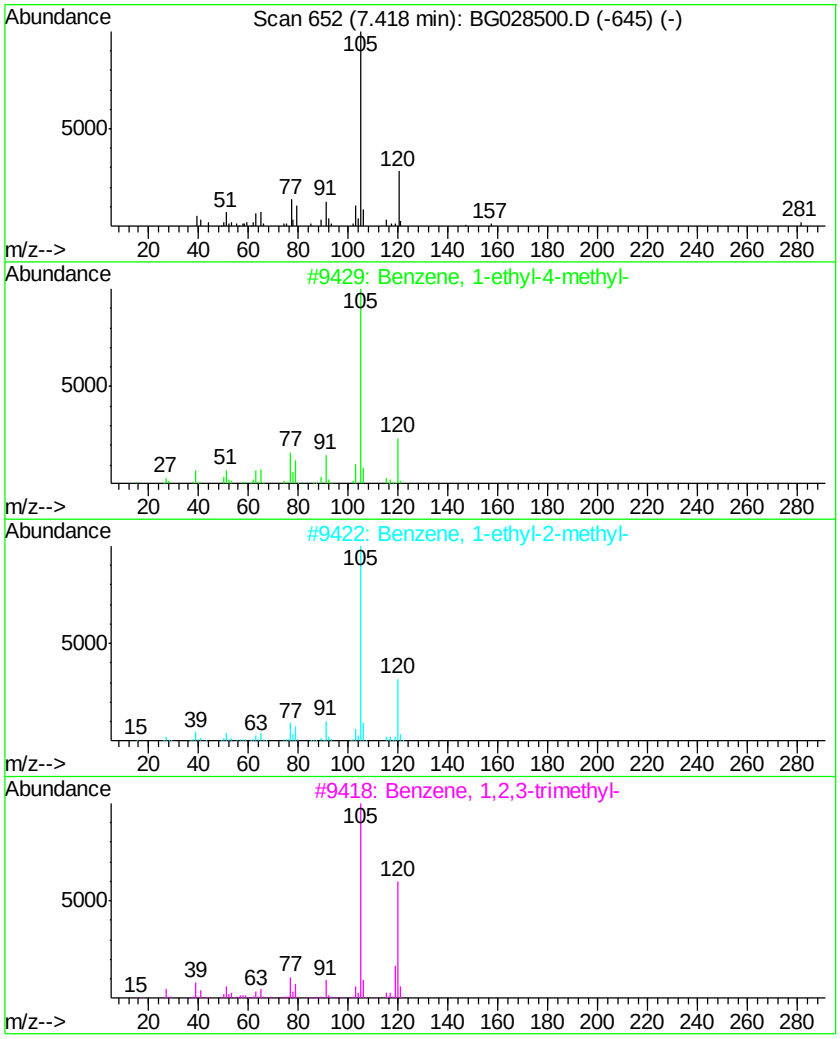
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

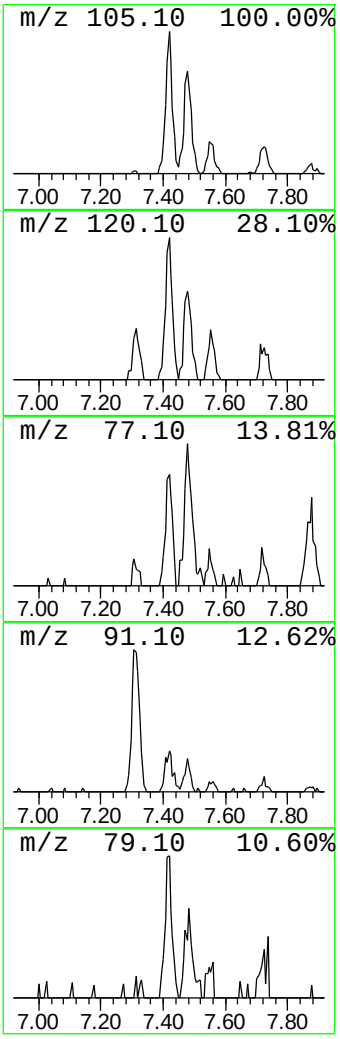
****

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	5.16 ng/ul	68695	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

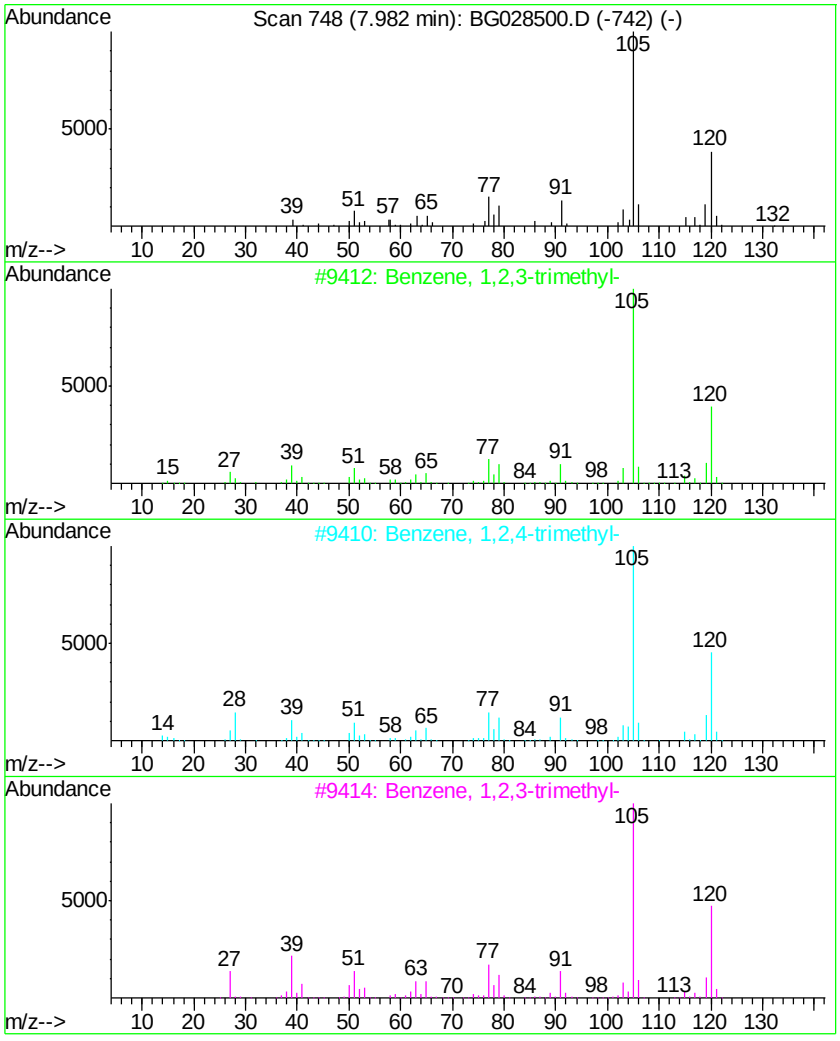
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

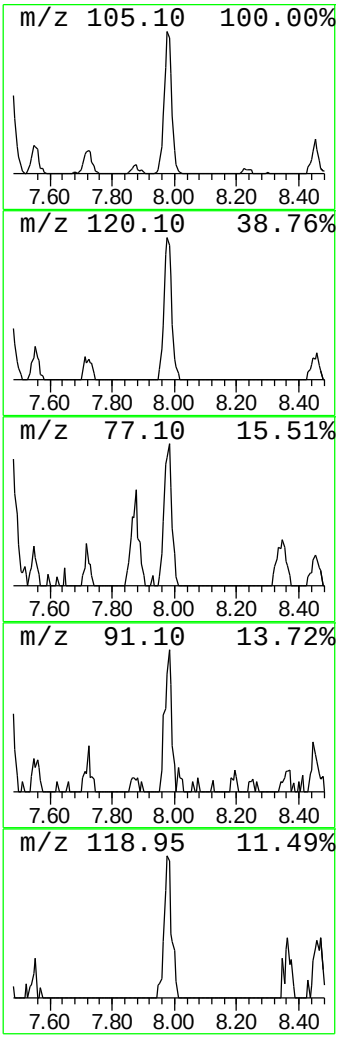
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	6.89 ng/ul	91733	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

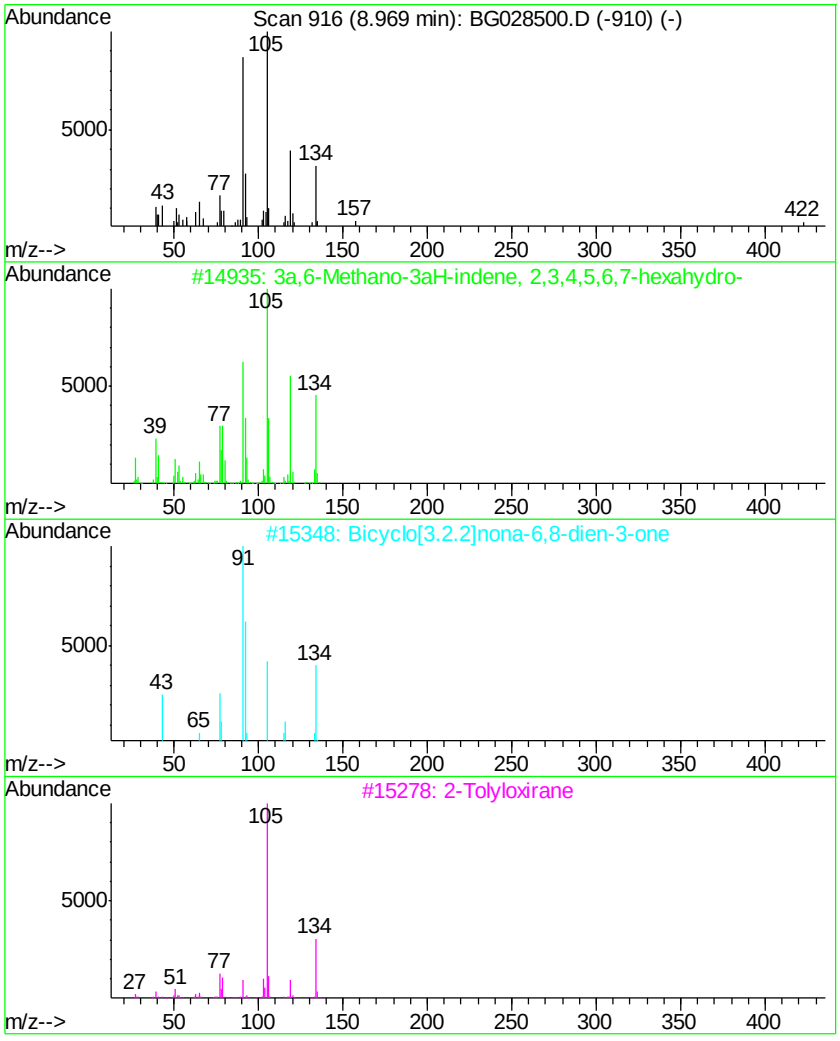
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

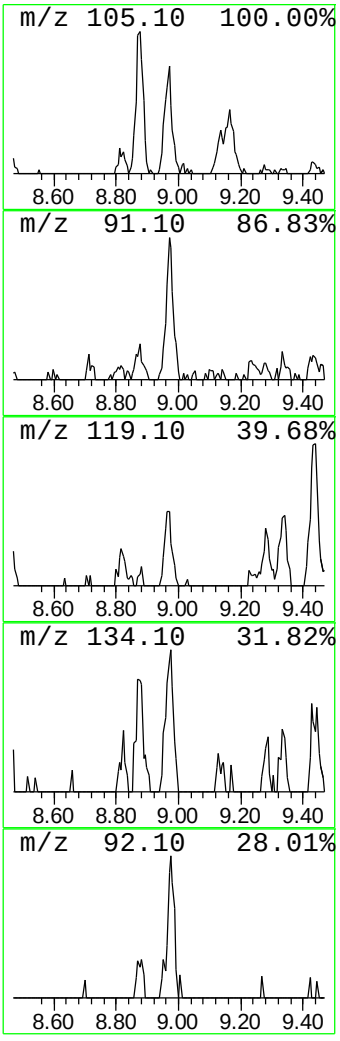
****

Peak Number 8 3a,6-Methano-3aH-indene, 2,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	3.52 ng/ul	46799	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	64
2	Bicyclo[3.2.2]nona-6,8-dien-3-one	134	C9H10O	026788-91-0	43
3	2-Tolyloxirane	134	C9H10O	002783-26-8	38
4	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	35
5	Benzoic acid, 2-methyl-, 2-oxo-2...	254	C16H14O3	055153-21-4	35





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Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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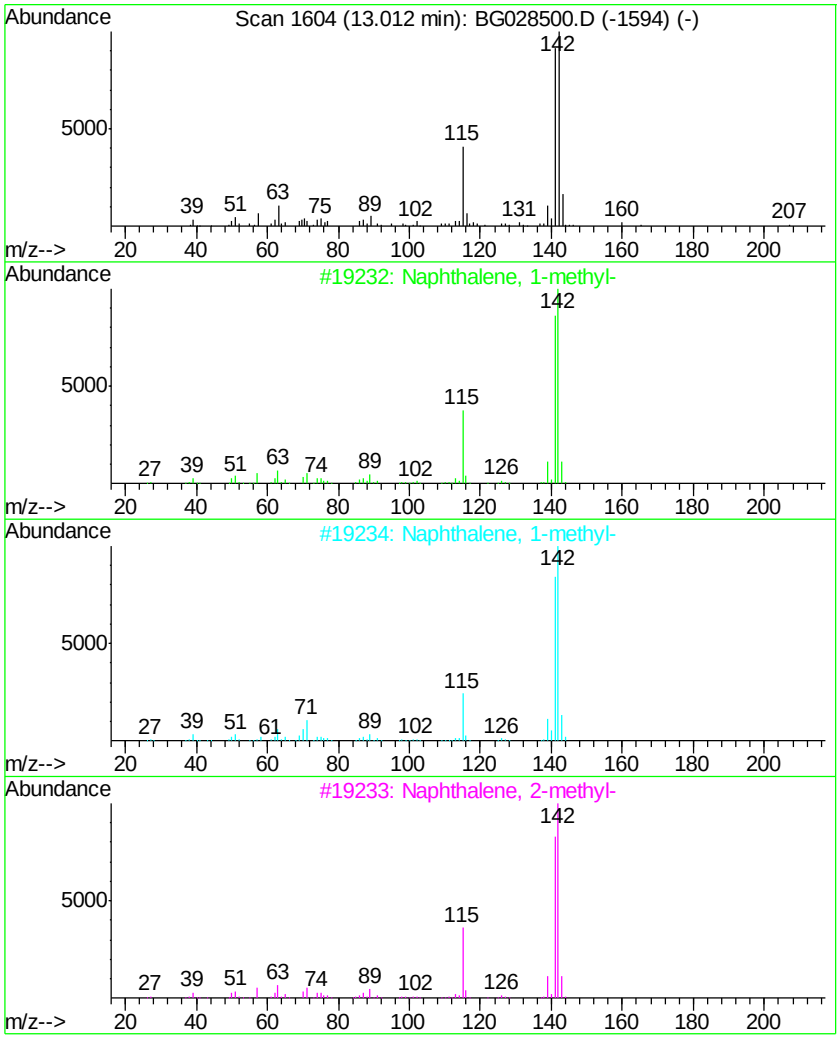
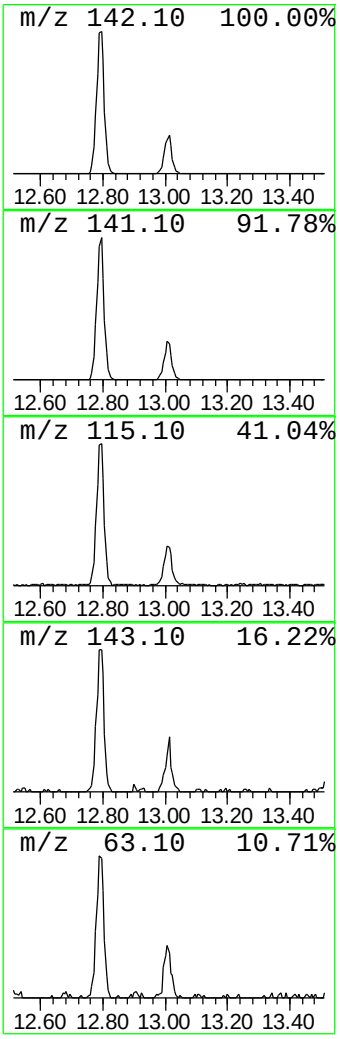
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	9.02 ng/ul	181497	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

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Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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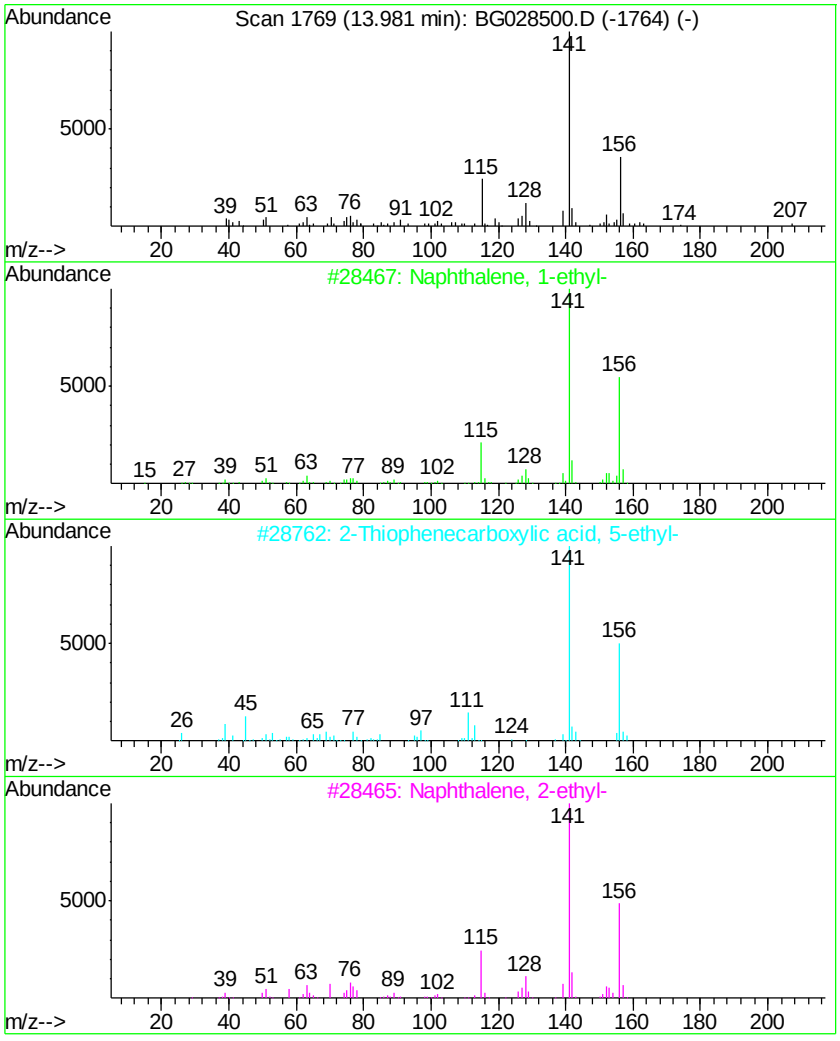
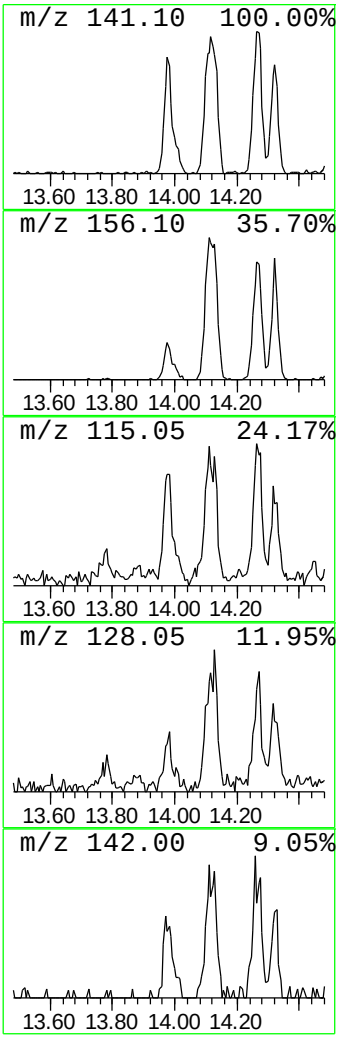
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	3.17 ng/ul	105067	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
2	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	58
4	2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	53
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	52





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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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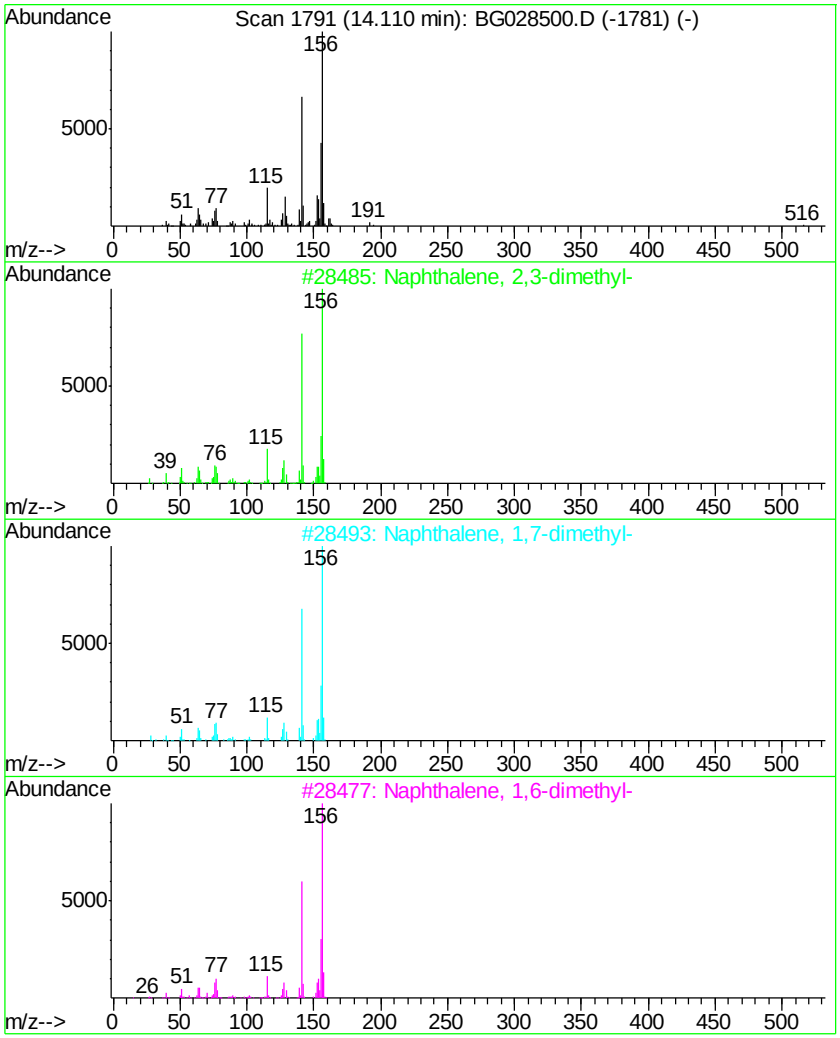
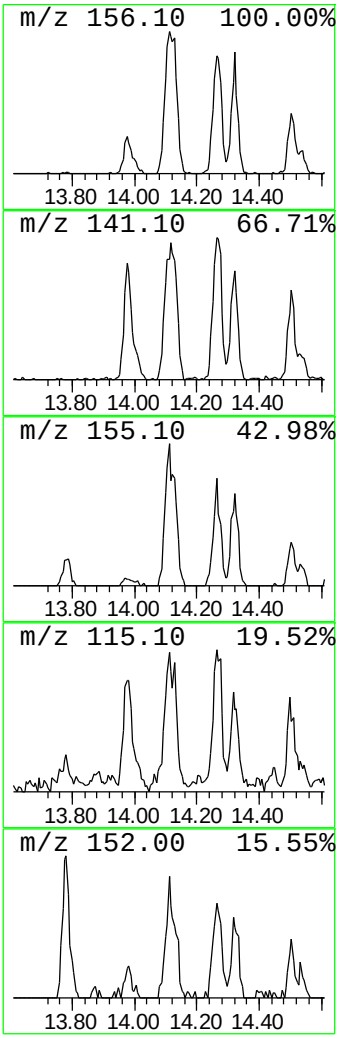
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	10.16 ng/ul	336382	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94





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Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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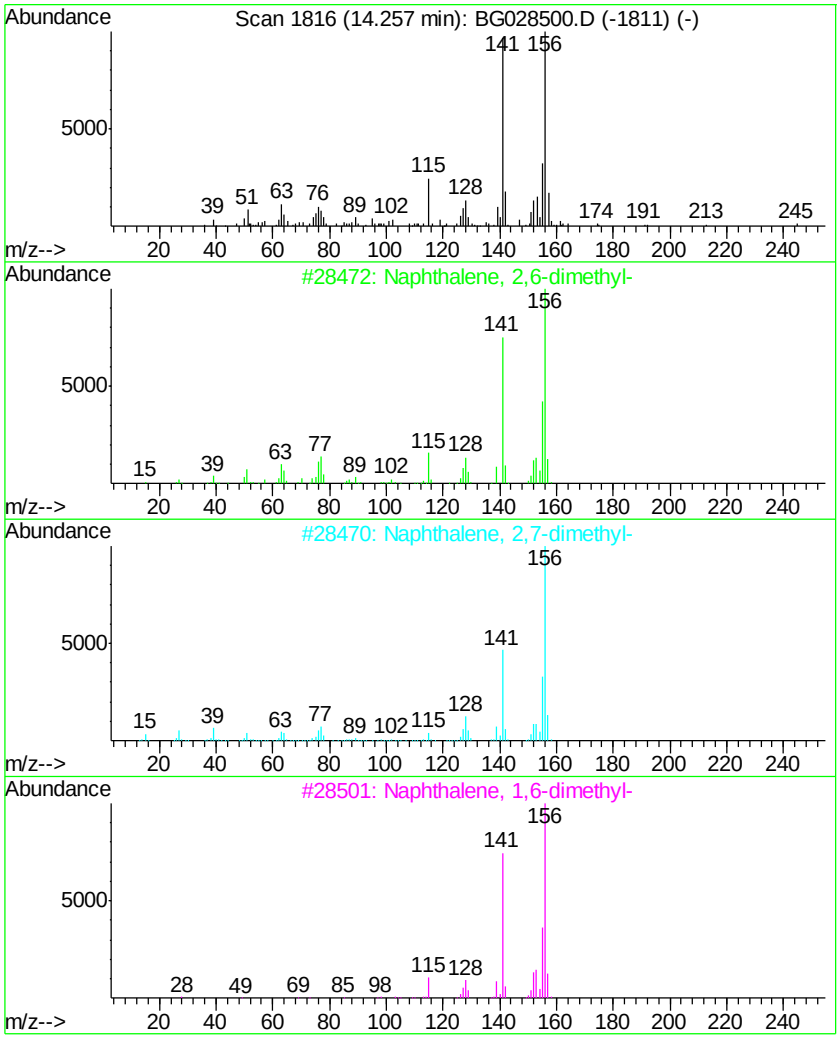
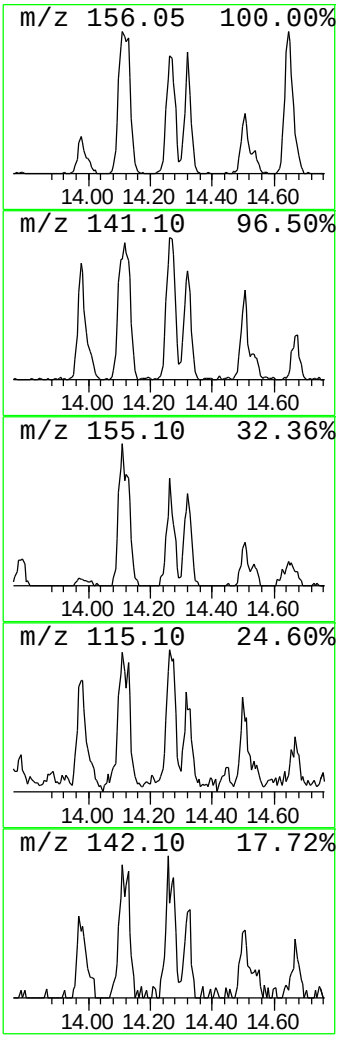
Peak Number 12 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	6.00 ng/ul	198531	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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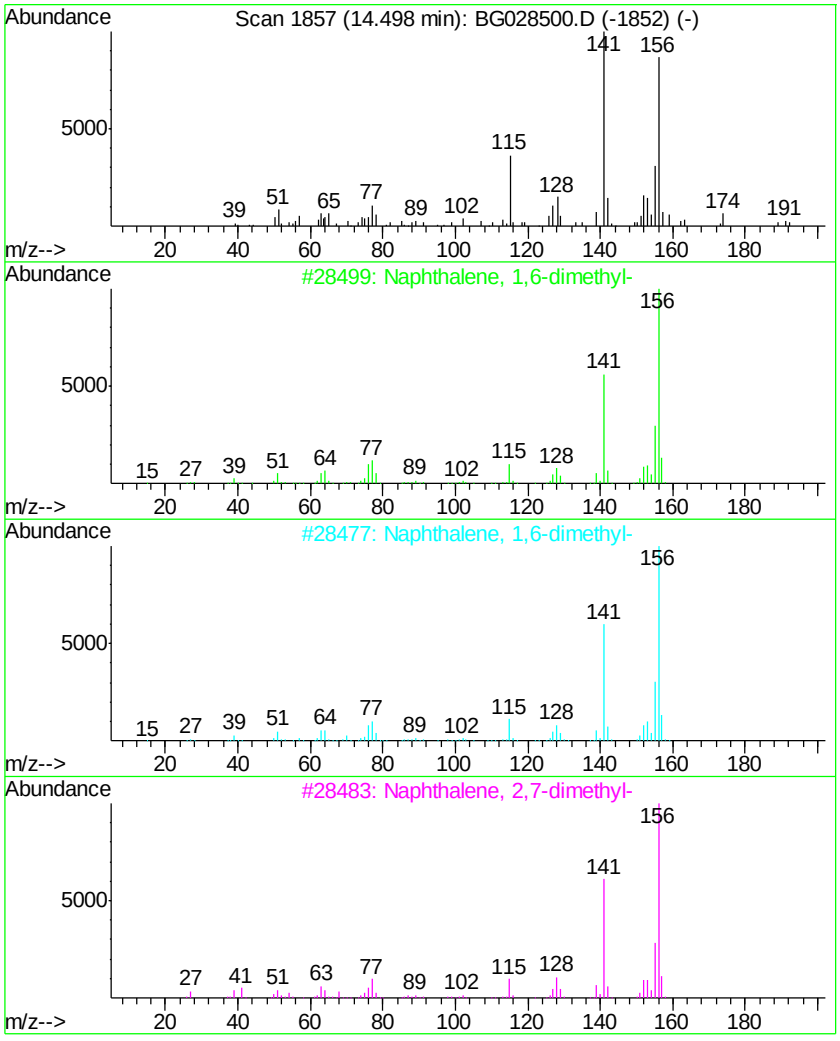
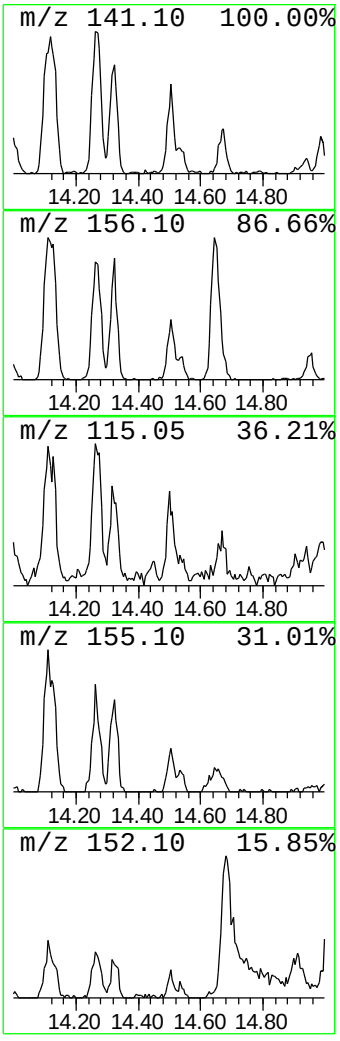
Peak Number 13 Naphthalene, 1,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	3.15 ng/ul	104130	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	87





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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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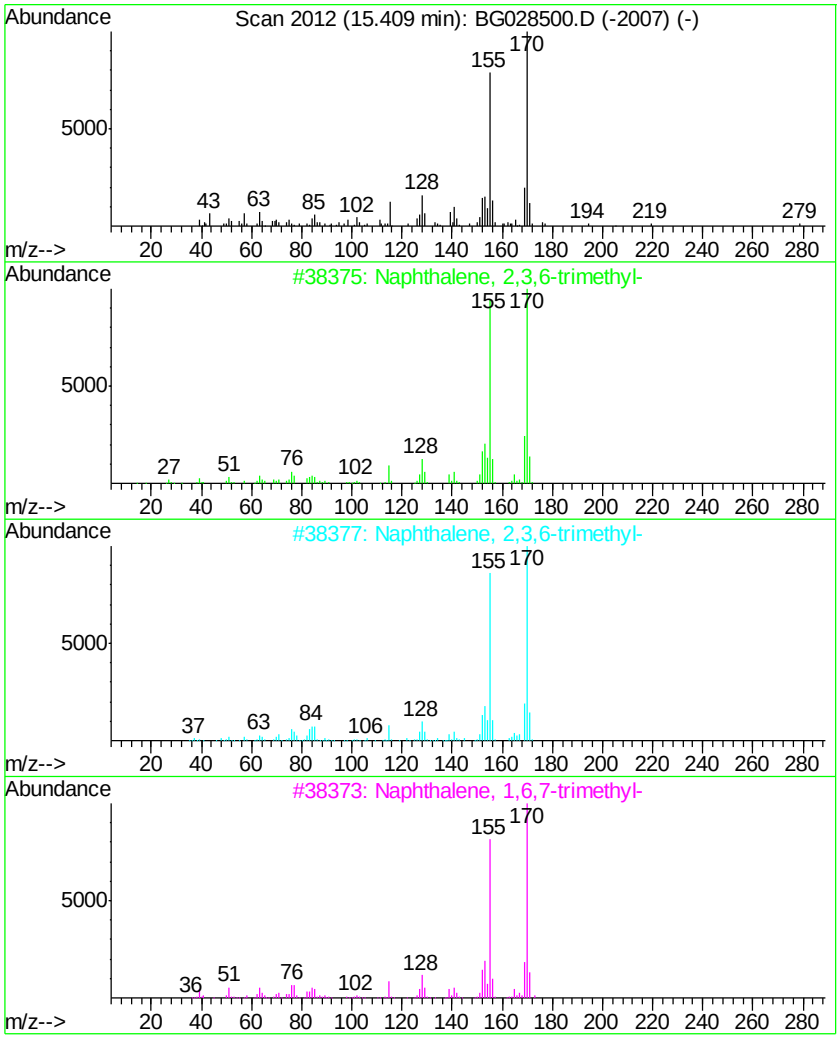
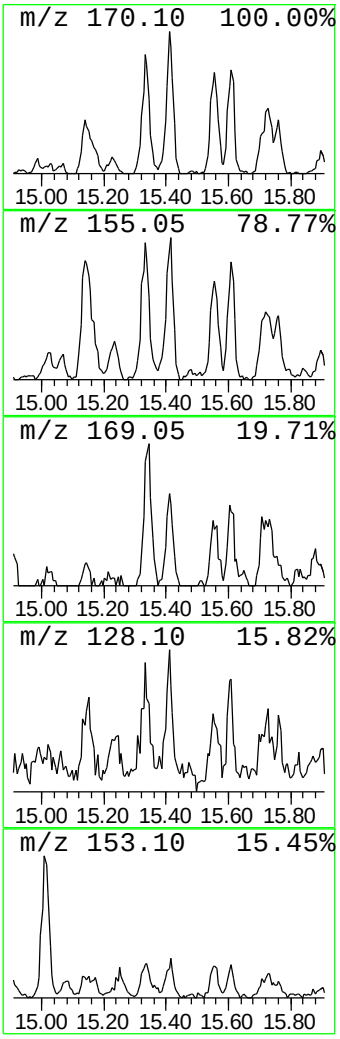
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	3.44 ng/ul	113900	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	95





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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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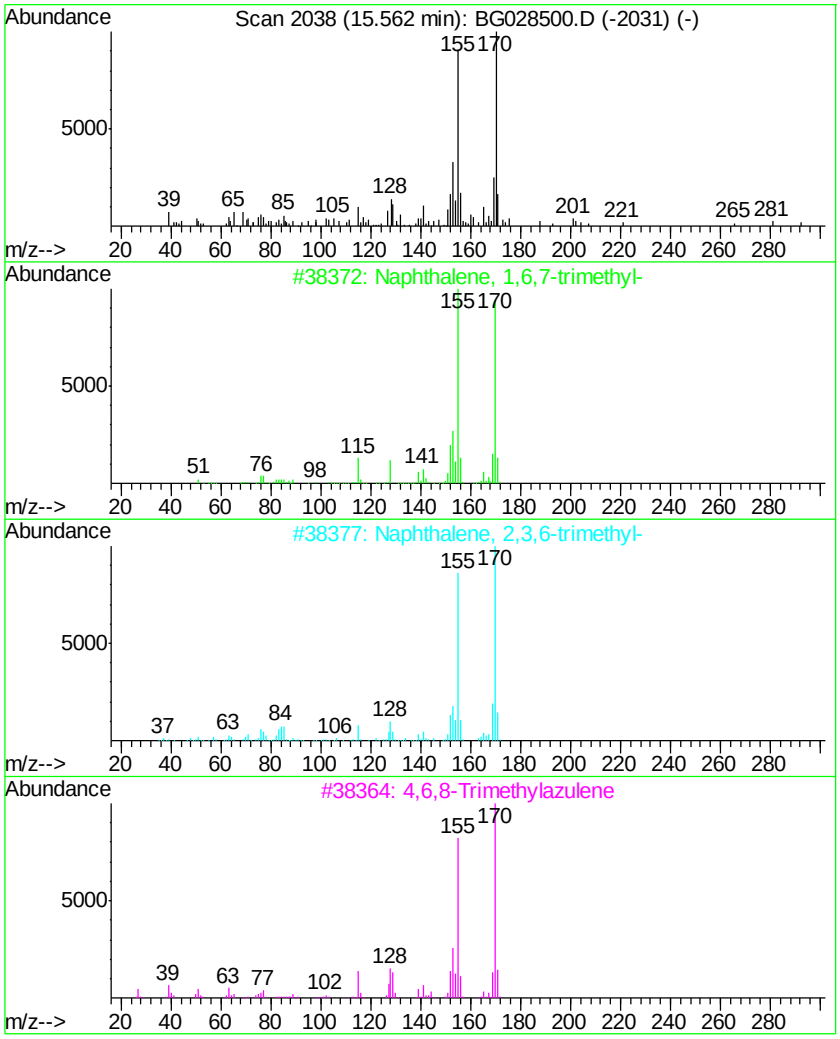
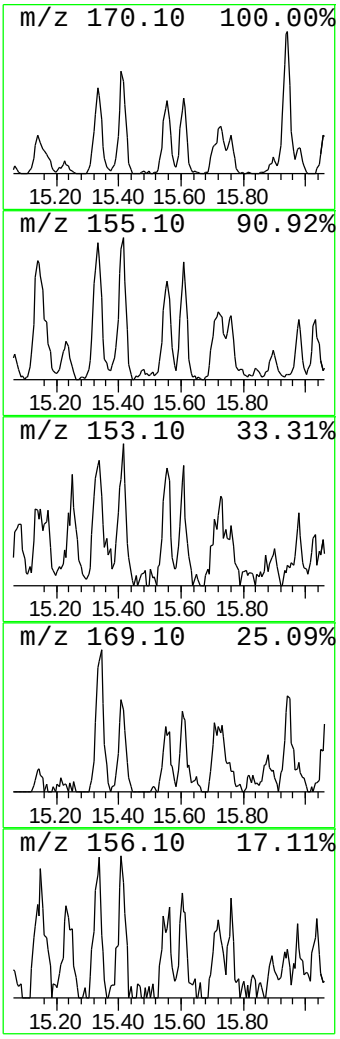
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	3.23 ng/ul	106989	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90





Library Search Compound Report

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Sample : I4885-13
Misc :
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Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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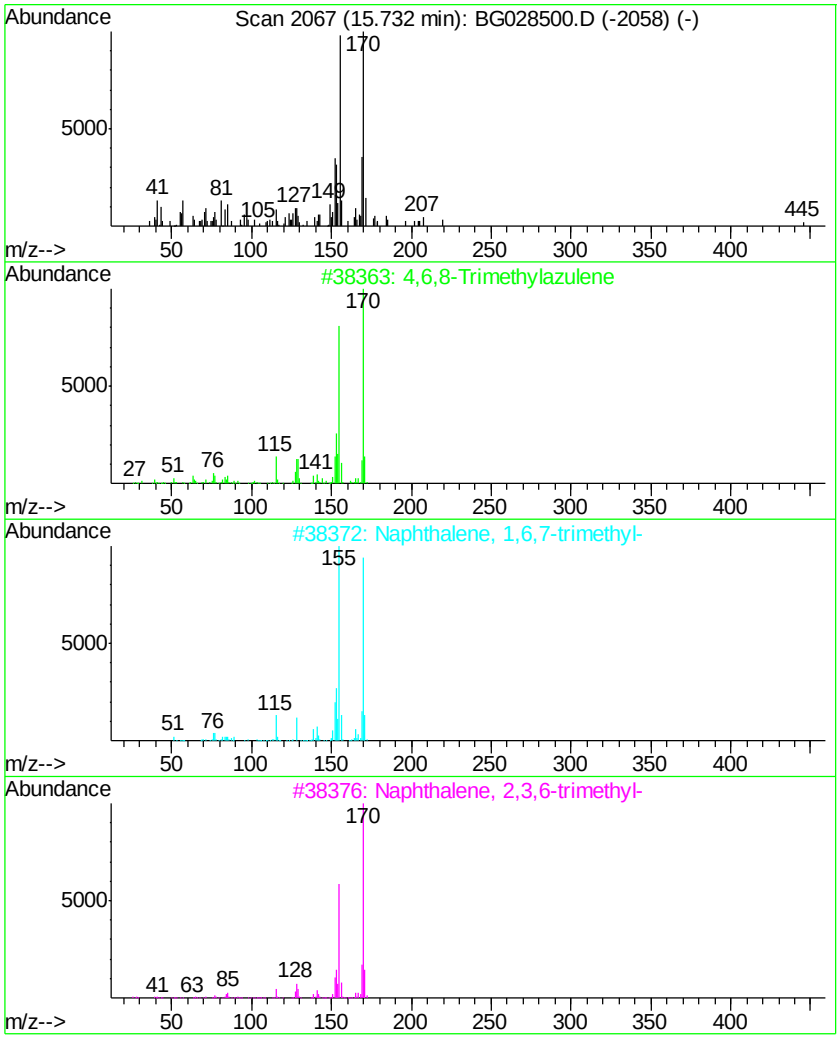
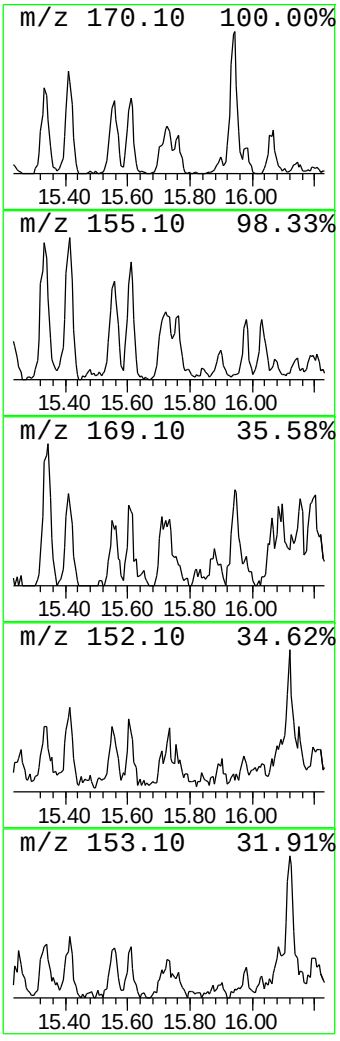
Peak Number 17 4,6,8-Trimethylazulene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	3.04 ng/ul	100609	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87





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Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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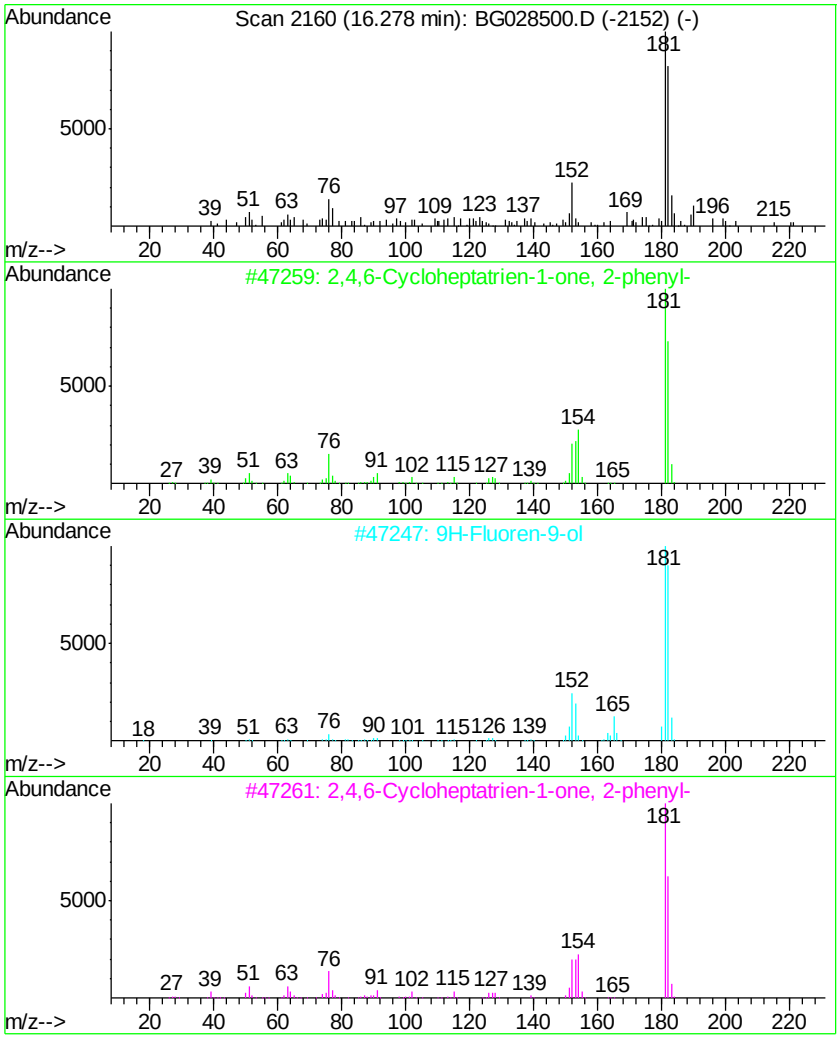
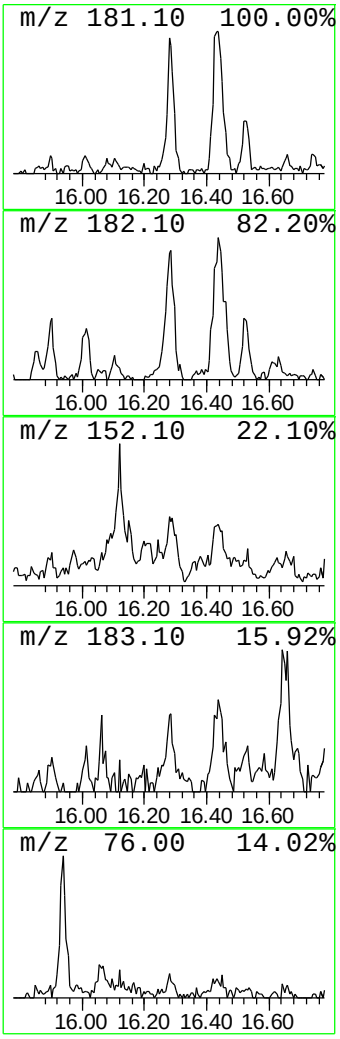
Peak Number 18 2,4,6-Cycloheptatrien-1-one... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.89 ng/ul	128763	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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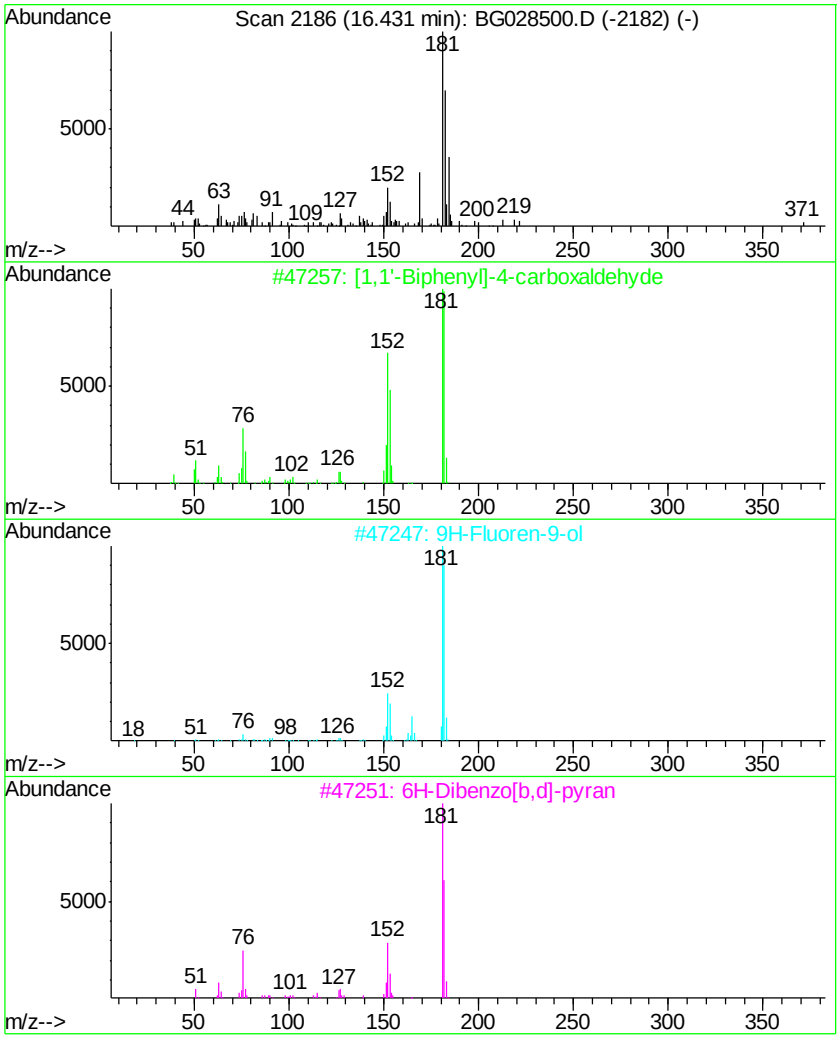
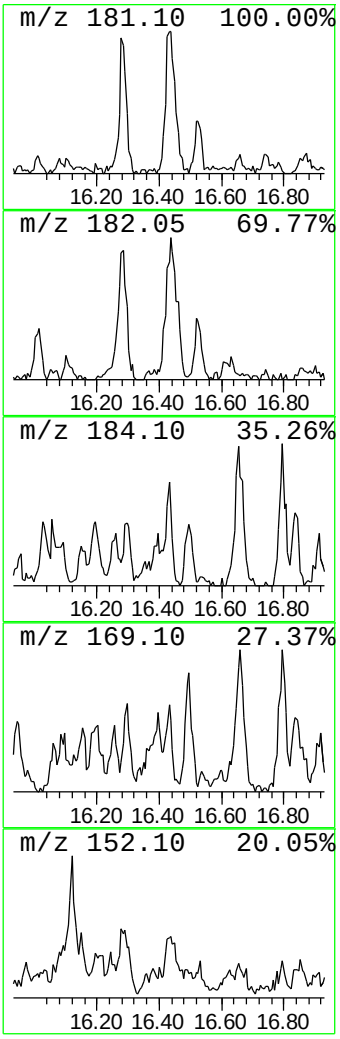
Peak Number 19 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.35 ng/ul	78364	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	58
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	55
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	53





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Instrument : BNA_G
ClientSampleId : B0AS7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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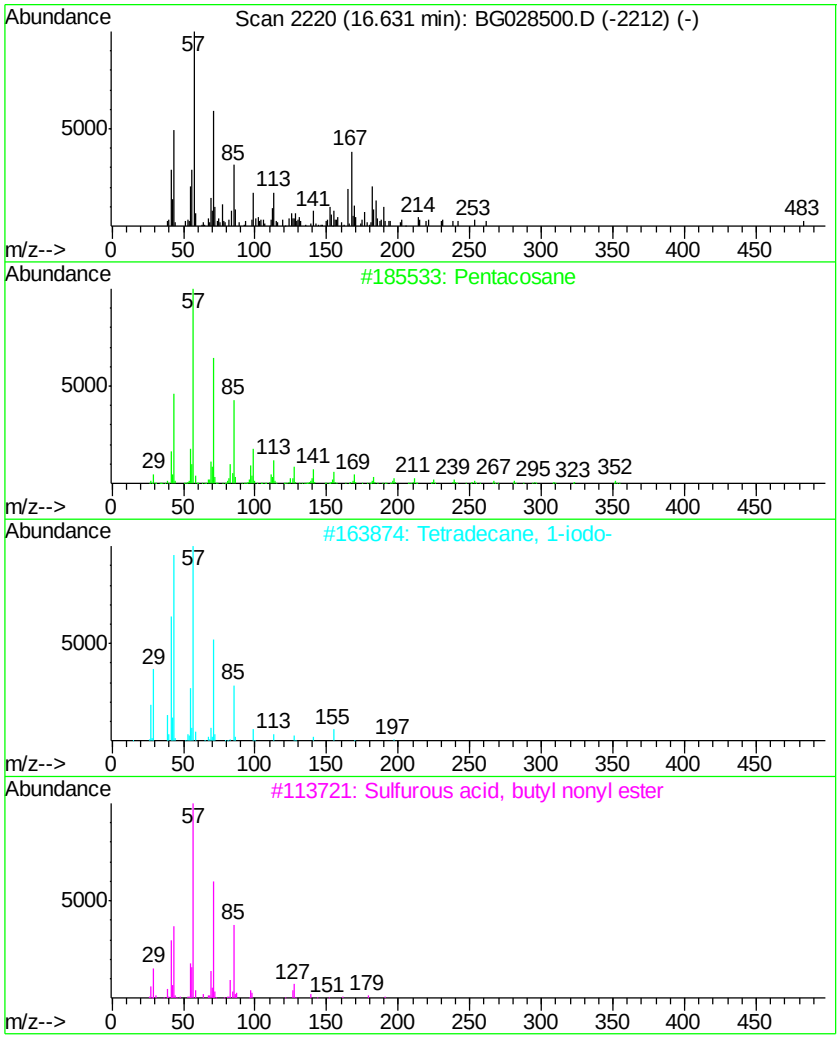
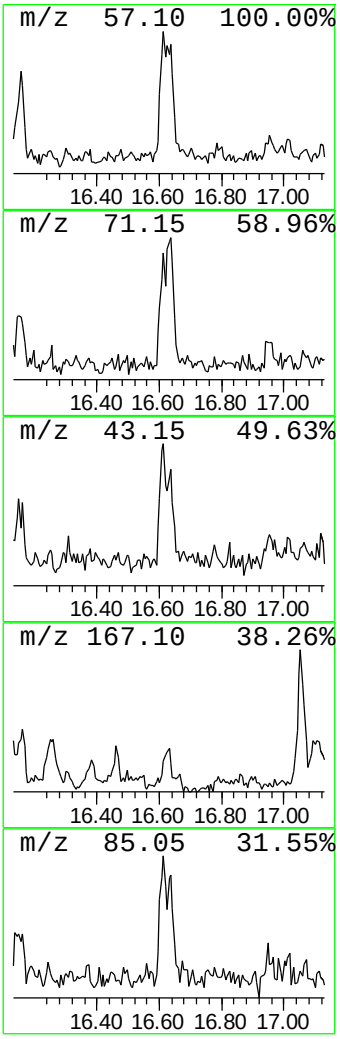
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	6.60 ng/ul	219694	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	22
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	22
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	22
4	Decane, 3-methyl-	156	C11H24	013151-34-3	22
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	22





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Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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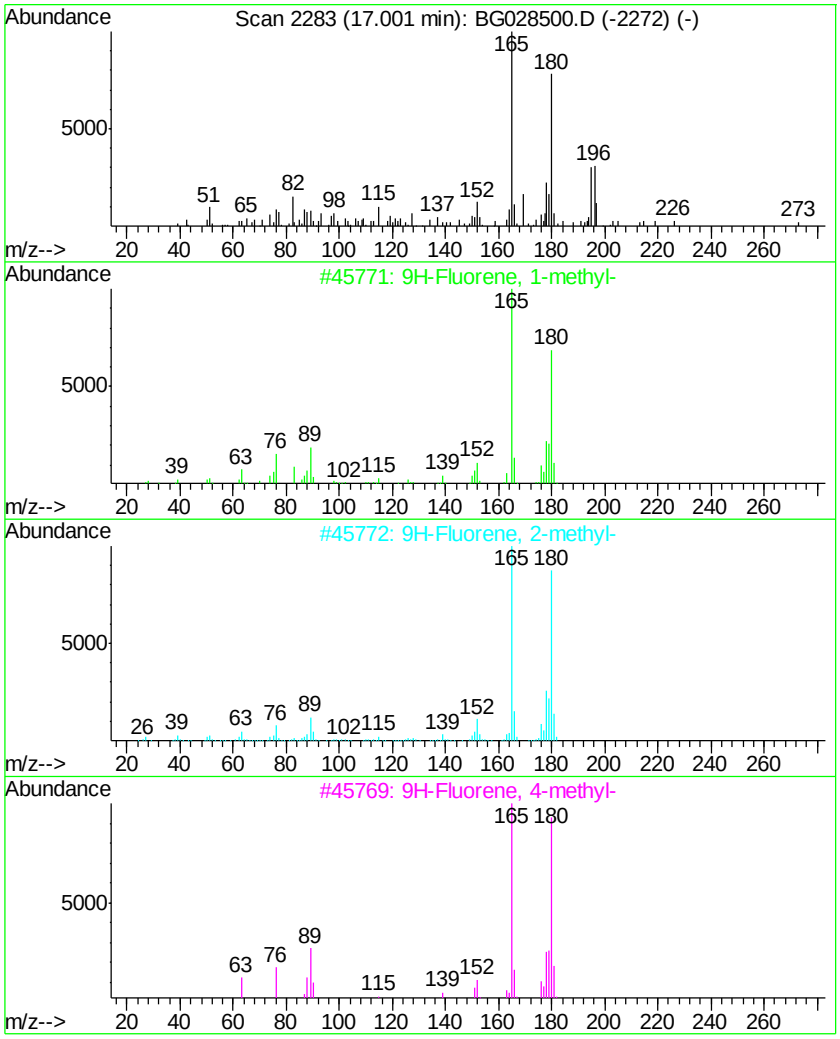
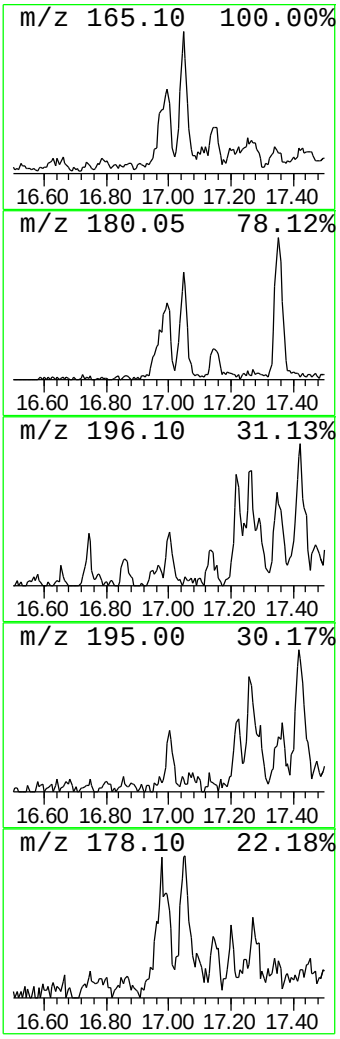
Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	3.65 ng/ul	121680	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	58
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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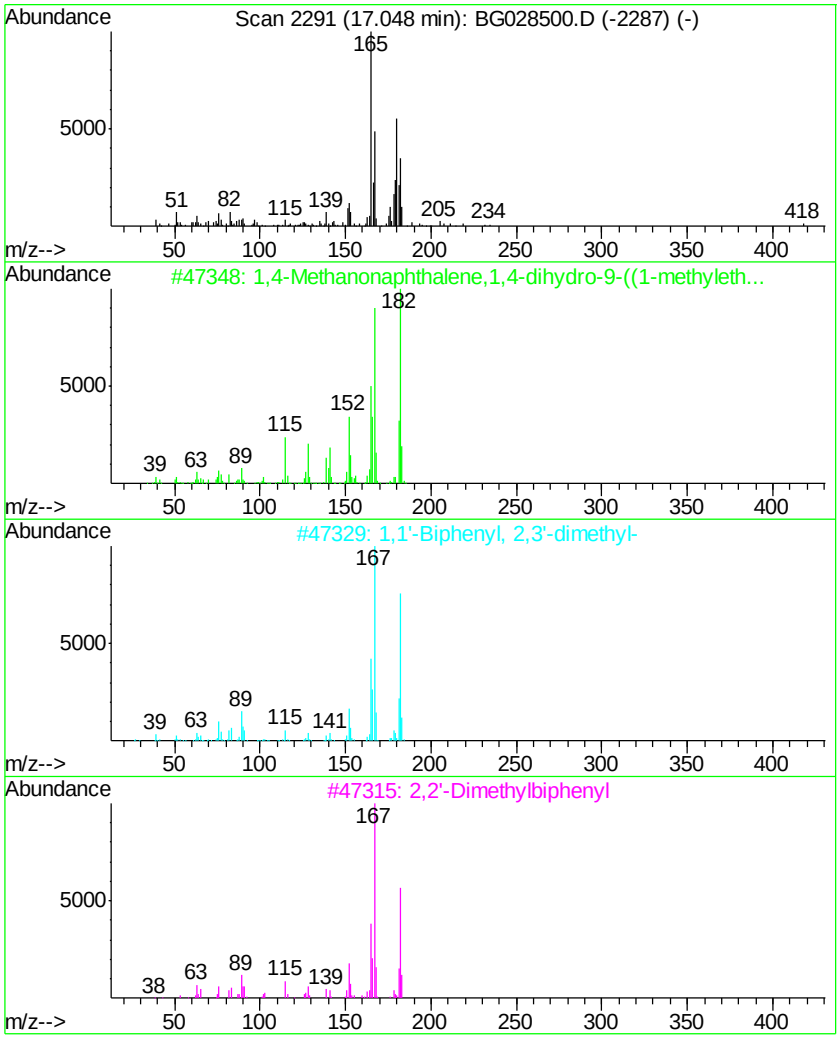
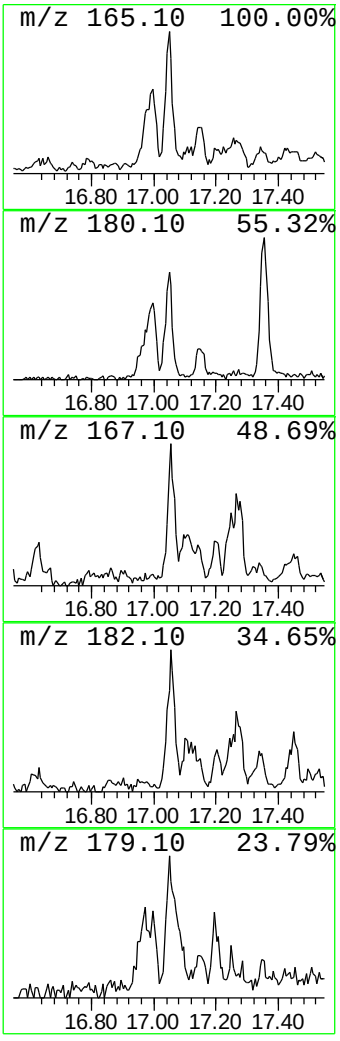
Peak Number 22 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	3.51 ng/ul	116848	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	46
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	45
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	43
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	43
5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	43





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Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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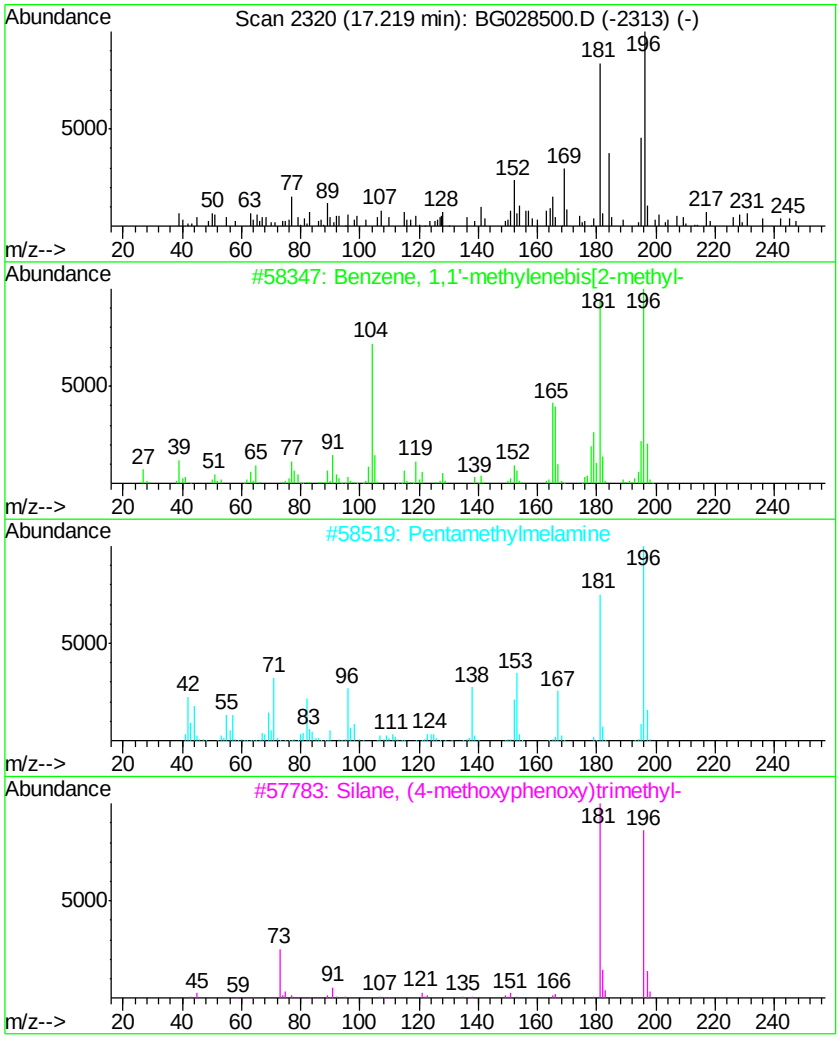
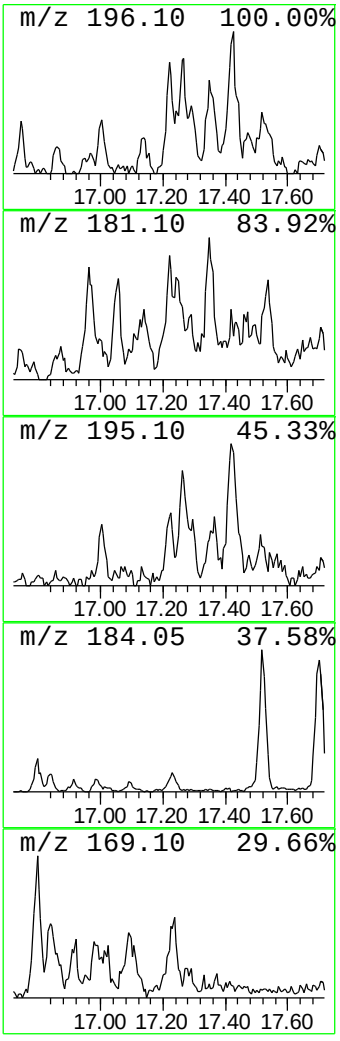
Peak Number 23 Benzene, 1,1'-methylenebis[... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.72 ng/ul	90619	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	53
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	46
3	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	43
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
5	Acenaphthene, 5-acetyl-	196	C14H12O	010047-18-4	43





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Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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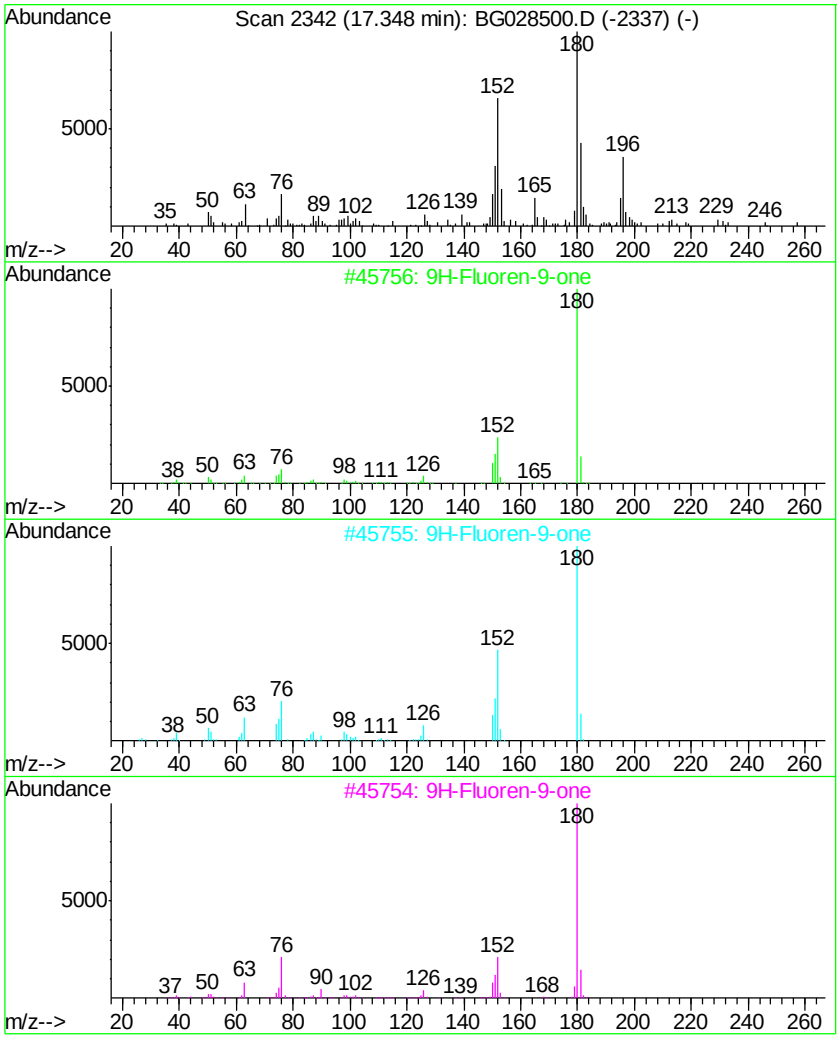
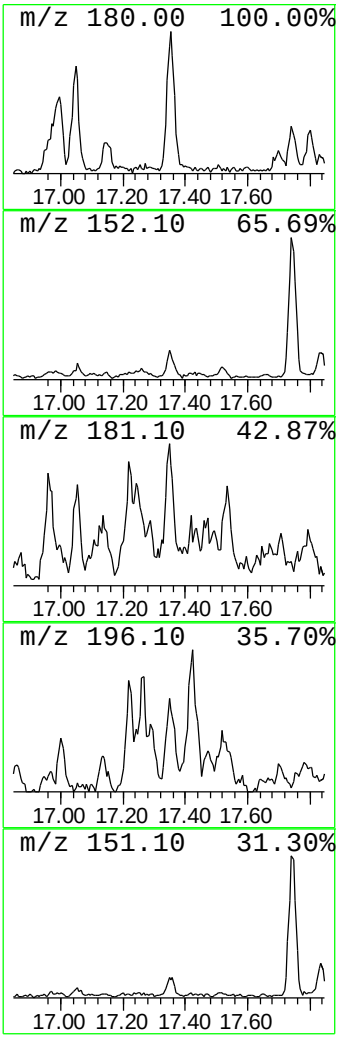
Peak Number 24 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.55 ng/ul	118139	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,2,9-Trimethyldecahydroquinol-4...	195	C12H21NO	1000280-71-2	52





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Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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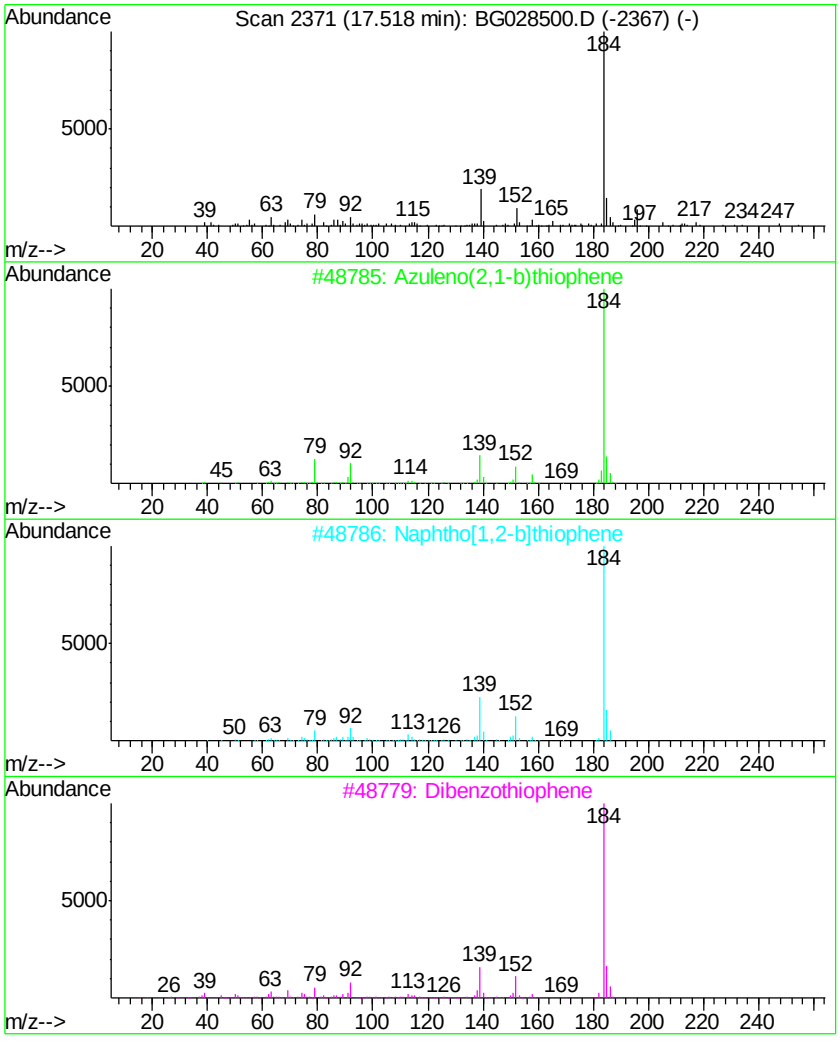
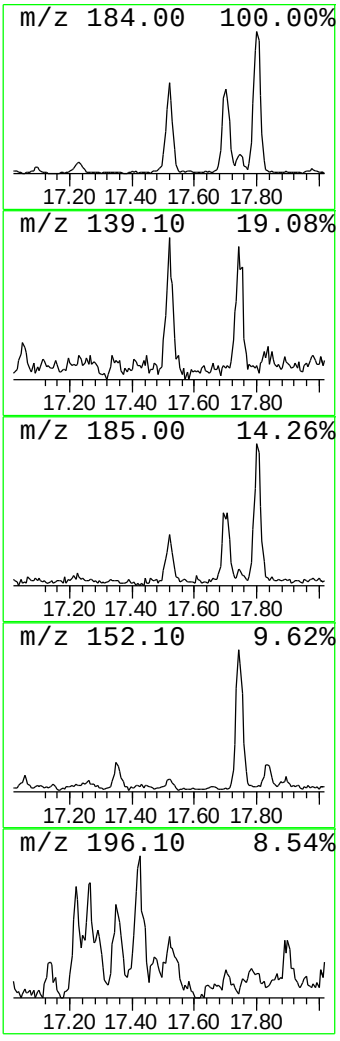
Peak Number 25 Azuleno(2,1-b)thiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.74 ng/ul	124670	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	81
3	Dibenzothiophene	184	C12H8S	000132-65-0	74
4	Dibenzothiophene	184	C12H8S	000132-65-0	74
5	Dibenzothiophene	184	C12H8S	000132-65-0	68





Library Search Compound Report

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Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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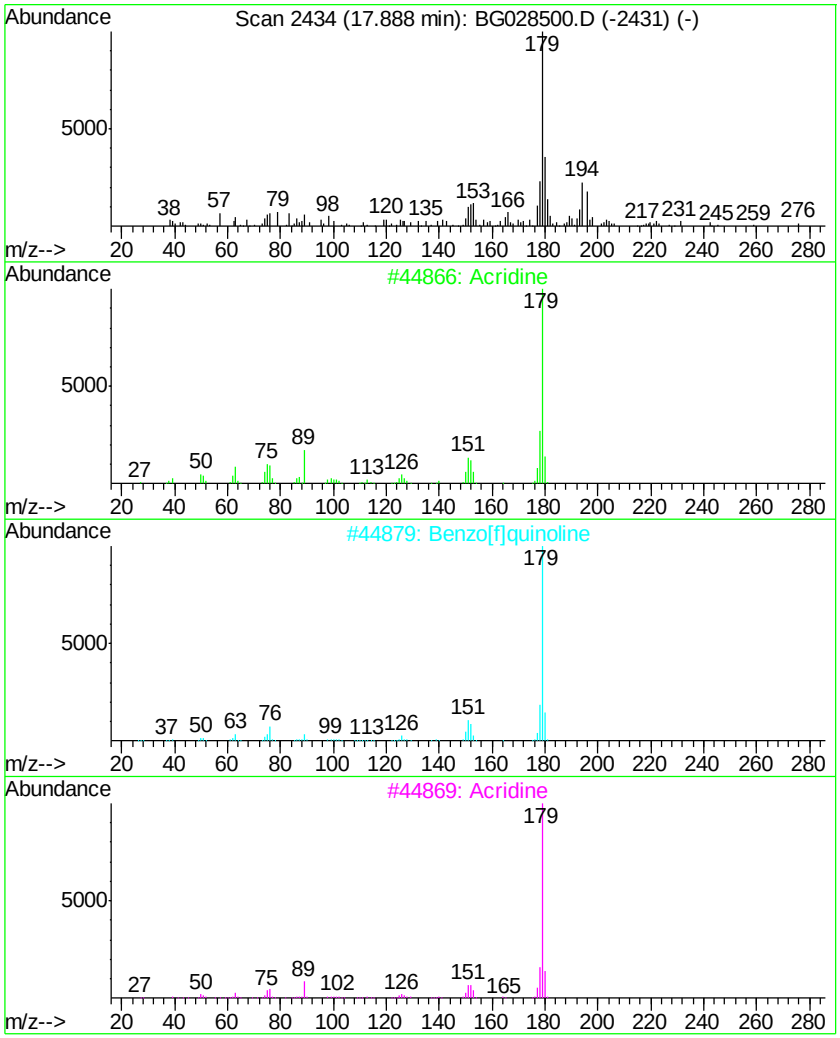
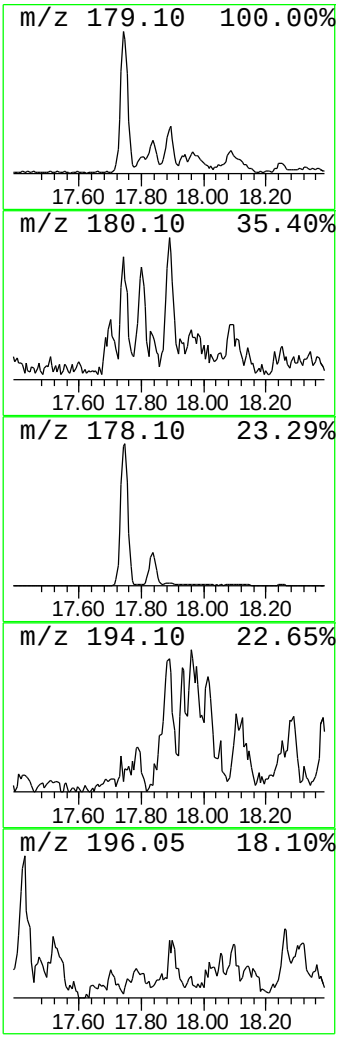
Peak Number 26 Acridine Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.74 ng/ul	91139	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	64
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	60
3	Acridine	179	C13H9N	000260-94-6	58
4	Acridine	179	C13H9N	000260-94-6	58
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	53





Library Search Compound Report

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Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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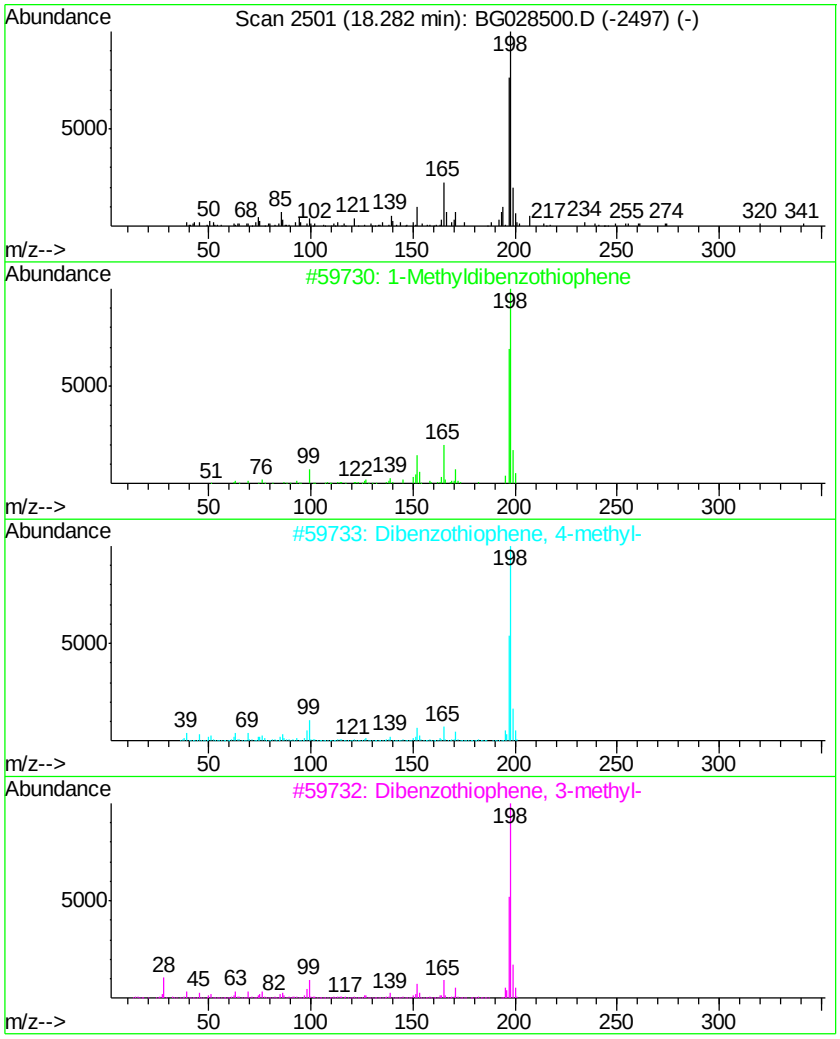
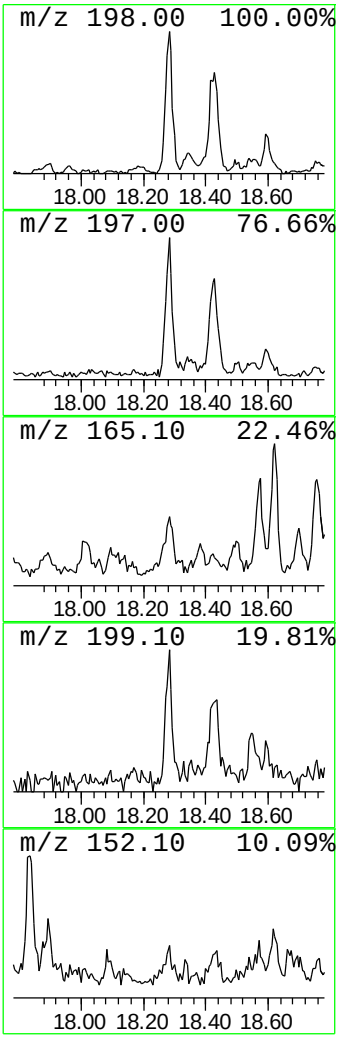
Peak Number 27 1-Methyldibenzothiophene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.48 ng/ul	115942	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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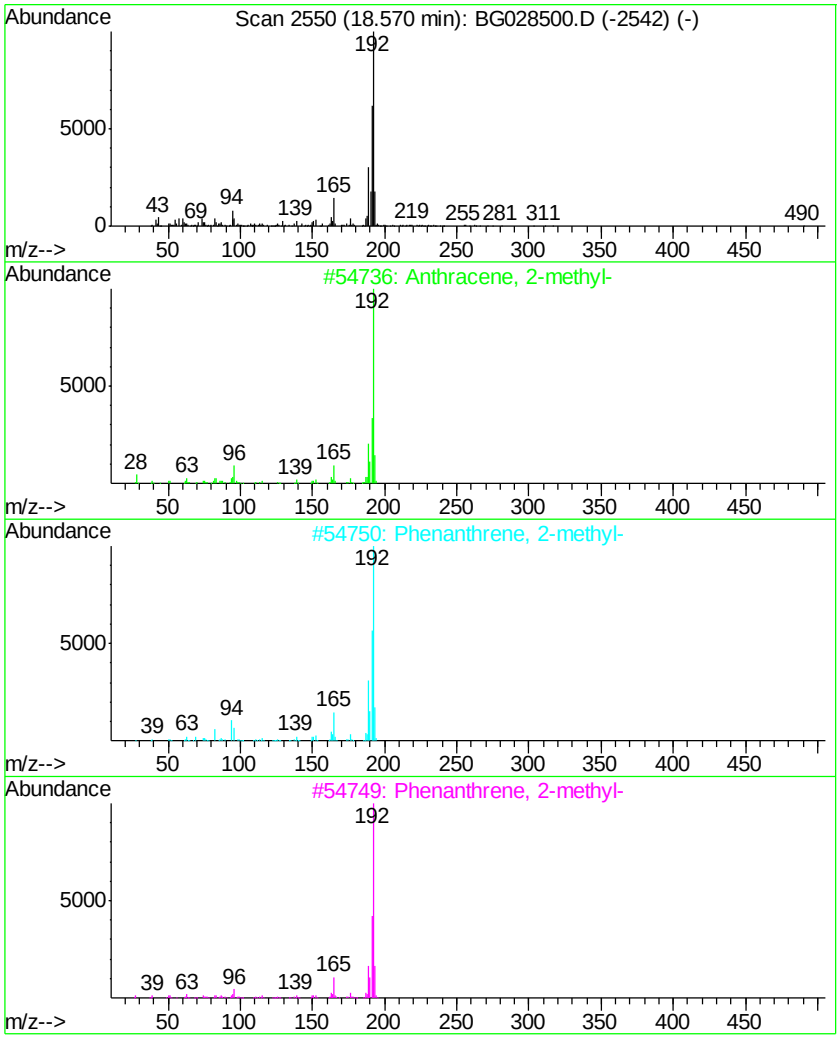
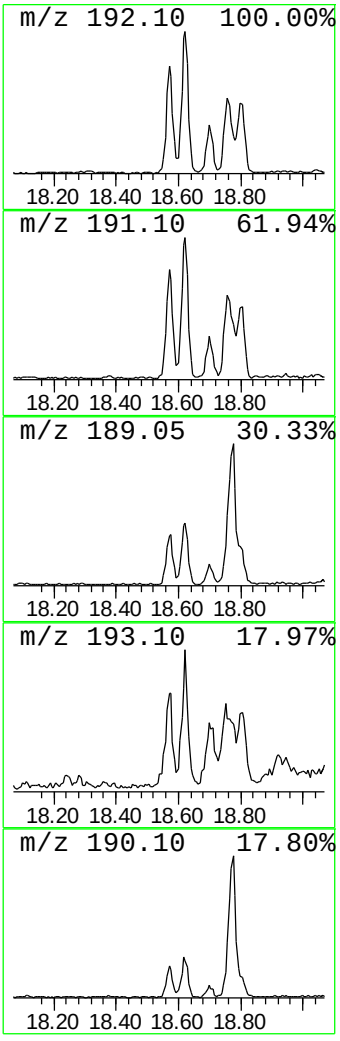
Peak Number 28 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	16.33 ng/ul	543507	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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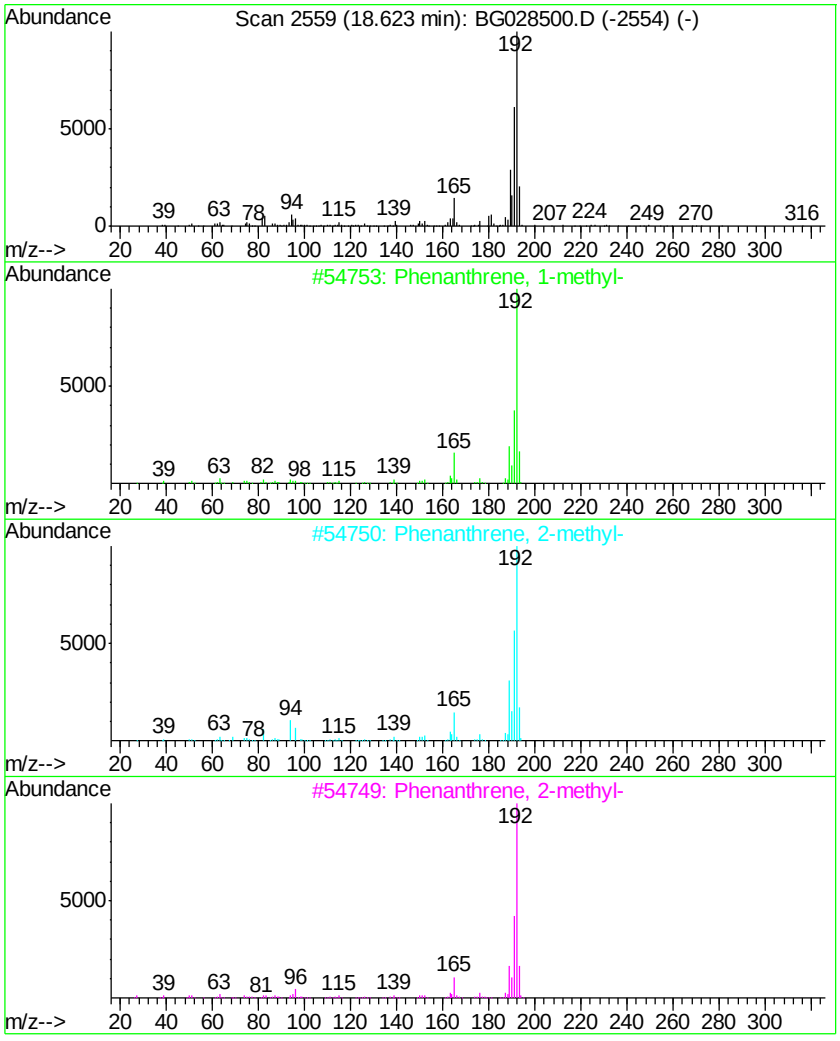
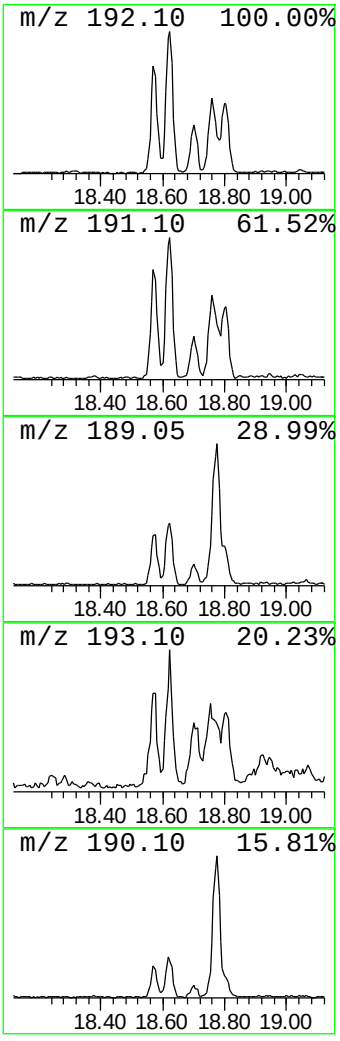
Peak Number 29 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	13.51 ng/ul	449652	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





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Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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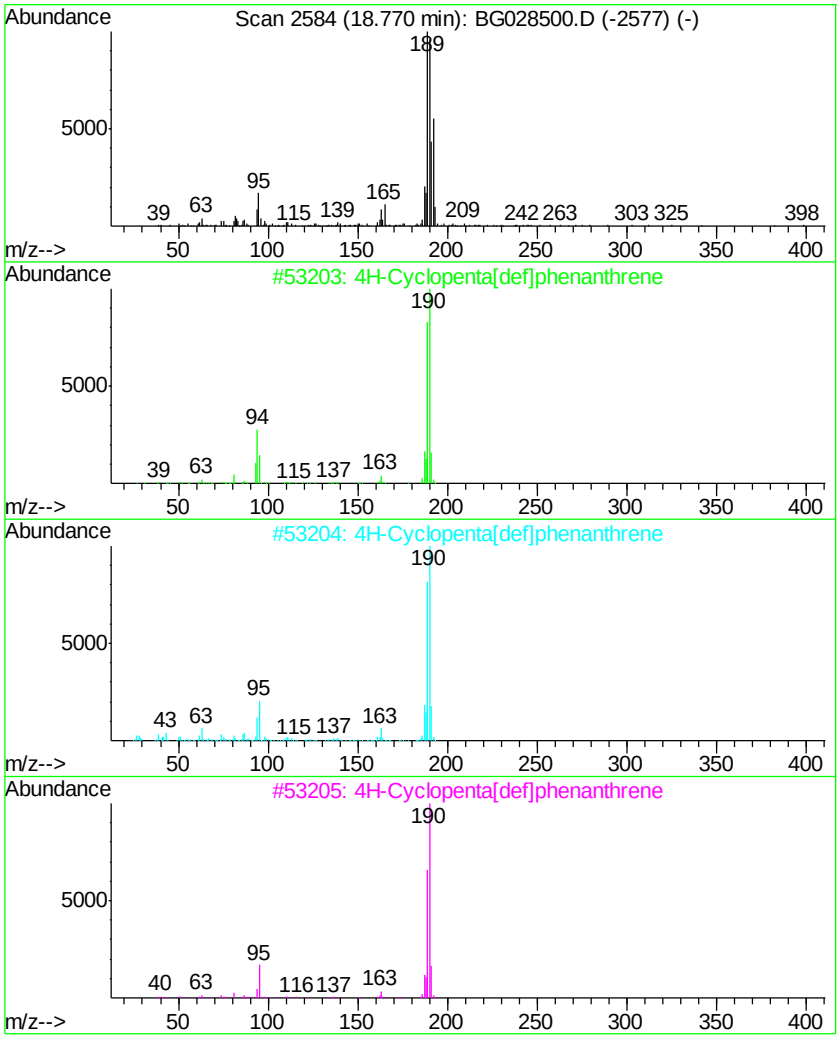
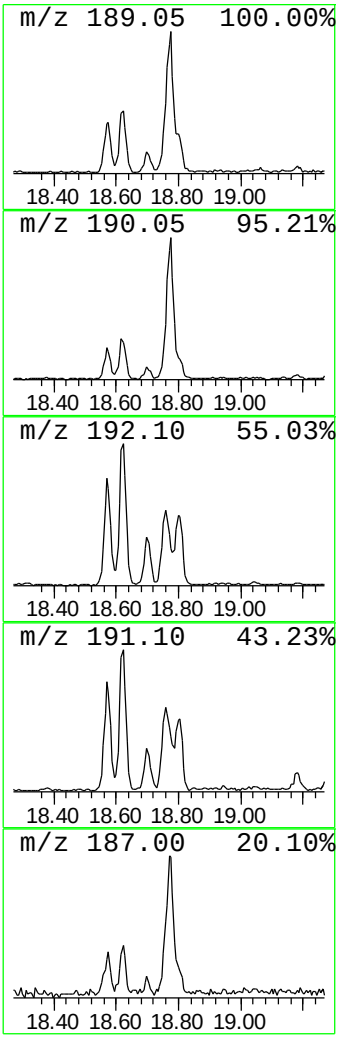
Peak Number 31 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	15.45 ng/ul	514257	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082517\
Data File : BG028500.D
Acq On : 25 Aug 2017 21:01
Operator : SJ/JU
Sample : I4885-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 1-methoxy-	4.08	3.2	ng/ul	42640	1	8.34	266172	20.0
Benzene, 1,3-dime...	5.98	16.2	ng/ul	215500	1	8.34	266172	20.0
Benzene, 1-ethyl-...	7.42	5.2	ng/ul	68695	1	8.34	266172	20.0
Benzene, 1,2,3-tr...	7.98	6.9	ng/ul	91733	1	8.34	266172	20.0
3a,6-Methano-3aH-...	8.97	3.5	ng/ul	46799	1	8.34	266172	20.0
Naphthalene, 1-me...	13.01	9.0	ng/ul	181497	2	11.16	402548	20.0
Naphthalene, 1-et...	13.98	3.2	ng/ul	105067	3	14.95	662184	20.0
Naphthalene, 2,3-...	14.11	10.2	ng/ul	336382	3	14.95	662184	20.0
Naphthalene, 2,6-...	14.26	6.0	ng/ul	198531	3	14.95	662184	20.0
Naphthalene, 1,6-...	14.50	3.1	ng/ul	104130	3	14.95	662184	20.0
Naphthalene, 2,3,...	15.41	3.4	ng/ul	113900	3	14.95	662184	20.0
Naphthalene, 1,6,...	15.56	3.2	ng/ul	106989	3	14.95	662184	20.0
4,6,8-Trimethylaz...	15.73	3.0	ng/ul	100609	3	14.95	662184	20.0
2,4,6-Cycloheptat...	16.28	3.9	ng/ul	128763	3	14.95	662184	20.0
[1,1'-Biphenyl]-4...	16.43	2.4	ng/ul	78364	4	17.70	665853	20.0
(DEL) Alkane: Str...	16.63	6.6	ng/ul	219694	4	17.70	665853	20.0
9H-Fluorene, 1-me...	17.00	3.6	ng/ul	121680	4	17.70	665853	20.0
unknown-01	17.05	3.5	ng/ul	116848	4	17.70	665853	20.0
Benzene, 1,1'-met...	17.22	2.7	ng/ul	90619	4	17.70	665853	20.0
9H-Fluoren-9-one	17.35	3.5	ng/ul	118139	4	17.70	665853	20.0
Azuleno(2,1-b)thi...	17.52	3.7	ng/ul	124670	4	17.70	665853	20.0
Acridine	17.89	2.7	ng/ul	91139	4	17.70	665853	20.0
1-Methyldibenzoth...	18.28	3.5	ng/ul	115942	4	17.70	665853	20.0
Anthracene, 2-met...	18.57	16.3	ng/ul	543507	4	17.70	665853	20.0
Phenanthrene, 1-m...	18.62	13.5	ng/ul	449652	4	17.70	665853	20.0
4H-Cyclopenta[def...	18.77	15.4	ng/ul	514257	4	17.70	665853	20.0