LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.195	57	61	69	rVB	31462	44591	0.99%	0.163%
2	8.095	889	895	902	rBB	58925	97110	2.15%	0.355%
3	10.910	1368	1374	1378	rBV	85299	159585	3.53%	0.584%
4	10.963	1378	1383	1391	rVV	494001	891825	19.70%	3.263%
5	12.561	1648	1655	1662	rBV	499186	830323	18.34%	3.038%
6	12.778	1680	1692	1703	rVB	236851	385735	8.52%	1.411%
7	13.560	1819	1825	1831	rBV	179896	277649	6.13%	1.016%
8	13.754	1852	1858	1869	rVB	61110	110604	2.44%	0.405%
9	13.889	1873	1881	1882	rBV	74763	106700	2.36%	0.390%
10	14.047	1901	1908	1913	rVV	106115	190774	4.21%	0.698%
11	14.100	1913	1917	1925	rVV2	75875	150873	3.33%	0.552%
12	14.282	1942	1948	1952	rBV	50684	78536	1.74%	0.287%
13	14.423	1965	1972	1973	rBV	27887	41309	0.91%	0.151%
14	14.447	1973	1976	1982	rVB	54074	79883	1.76%	0.292%
15	14.694	2012	2018	2020	rBV	69880	100657	2.22%	0.368%
16	14.729	2020	2024	2029	rVV2	152202	249226	5.51%	0.912%
17	14.794	2029	2035	2041	rVV	959765	1518051	33.54%	5.554%
18	14.852	2041	2045	2052	rVB	24327	35680	0.79%	0.131%
19	14.929	2052	2058	2068	rBV3	21285	49380	1.09%	0.181%
20	15.034	2068	2076	2080	rBV2	35404	60022	1.33%	0.220%
21	15.123	2084	2091	2098	rVV	647281	1015039	22.43%	3.714%
22	15.193	2099	2103	2112	rVB2	23618	35758	0.79%	0.131%
23	15.334	2121	2127	2132	rBV3	17808	30401	0.67%	0.111%
24	15.393	2132	2137	2148	rVB3	20871	31867	0.70%	0.117%
25	15.510	2148	2157	2160	rBV2	15123	29888	0.66%	0.109%
26	15.681	2182	2186	2189	rVV2	16077	27382	0.60%	0.100%
27	15.716	2189	2192	2196	rVV	38587	55010	1.22%	0.201%
28	15.775	2196	2202	2209	rVV	956556	1475170	32.59%	5.397%
29	15.869	2209	2218	2219	rVV2	35563	58493	1.29%	0.214%
30	15.898	2219	2223	2225	rVV	60222	94374	2.09%	0.345%
31	15.933	2225	2229	2234	rVV2	109983	178016	3.93%	0.651%
32	15.980	2234	2237	2240	rVV3	23432	36315	0.80%	0.133%
33	16.021	2240	2244	2247	rVV3	60758	95122	2.10%	0.348%
34	16.063	2247	2251	2260	rVB	120748	181303	4.01%	0.663%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	16.209	2262	2276	2284	rVV	127602	279531	6.18%	1.023%
36	16.304	2284	2292	2297	rVB2	18966	36829	0.81%	0.135%
37	16.562	2331	2336	2342	rVV	66046	95260	2.10%	0.349%
38	16.774	2360	2372	2376	rVV2	90875	206596	4.56%	0.756%
39	16.821	2376	2380	2385	rVV3	38910	68742	1.52%	0.251%
40	16.920	2391	2397	2402	rVV4	37627	71268	1.57%	0.261%
41	16.997	2402	2410	2413	rVV3	31648	74935	1.66%	0.274%
42	17.038	2413	2417	2421	rVV2	38495	71632	1.58%	0.262%
43	17.120	2425	2431	2438	rVV4	21679	46273	1.02%	0.169%
44	17.197	2438	2444	2454	rVV4	41250	120876	2.67%	0.442%
45	17.291	2454	2460	2473	rVB	216459	335077	7.40%	1.226%
46	17.473	2479	2491	2494	rBV	209174	357694	7.90%	1.309%
47	17.526	2494	2500	2505	rVV	2788317	4526246	100.00%	16.559%
48	17.573	2505	2508	2509	rVV	76922	86953	1.92%	0.318%
49	17.608	2509	2514	2519	rVV	622025	893595	19.74%	3.269%
50	17.649	2519	2521	2528	rVV4	18006	40186	0.89%	0.147%
51	17.749	2533	2538	2548	rVV2	12265	32314	0.71%	0.118%
52	17.872	2552	2559	2568	rVV	210232	342792	7.57%	1.254%
53	17.990	2574	2579	2585	rVV2	45783	72666	1.61%	0.266%
54	18.054	2585	2590	2599	rVB4	20859	41249	0.91%	0.151%
55	18.190	2609	2613	2622	rVB3	17487	33193	0.73%	0.121%
56	18.342	2634	2639	2643	rBV	171298	251731	5.56%	0.921%
57	18.395	2643	2648	2654	rVB	240932	349082	7.71%	1.277%
58	18.472	2654	2661	2666	rBV	93001	148765	3.29%	0.544%
59	18.542	2666	2673	2677	rBV2	341809	605598	13.38%	2.216%
60	18.636	2685	2689	2694	rBV2	21234	30979	0.68%	0.113%
61	18.683	2694	2697	2702	rVV	21411	27538	0.61%	0.101%
62	18.836	2718	2723	2728	rVV	156408	216489	4.78%	0.792%
63	19.083	2760	2765	2769	rVB3	27960	37148	0.82%	0.136%
64	19.253	2787	2794	2799	rBV2	45930	89530	1.98%	0.328%
65	19.318	2799	2805	2808	rBV3	26170	43070	0.95%	0.158%
66	19.394	2813	2818	2826	rVB5	15056	36271	0.80%	0.133%
67	19.523	2832	2840	2845	rBV	1692934	2447364	54.07%	8.954%
68	19.611	2852	2855	2859	rVB2	27453	33952	0.75%	0.124%
69	19.758	2874	2880	2889	rVB	52038	95564	2.11%	0.350%
70	19.852	2889	2896	2898	rBV3	350775	596980	13.19%	2.184%
71	19.882	2898	2901	2908	rVB	1030686	1513278	33.43%	5.536%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	19.946	2908	2912	2919	rVB3	57384	91175	2.01%	0.334%
73	20.052	2919	2930	2936	rBV	67591	107104	2.37%	0.392%
74	20.193	2948	2954	2955	rBV	55307	78532	1.74%	0.287%
75	20.252	2961	2964	2971	rVB	32692	41227	0.91%	0.151%
76	20.369	2971	2984	2989	rVB	195558	334739	7.40%	1.225%
77	20.469	2994	3001	3005	rBV	213656	319105	7.05%	1.167%
78	20.522	3005	3010	3014	rVV3	58511	114785	2.54%	0.420%
79	20.563	3014	3017	3021	rVV	39728	48925	1.08%	0.179%
80	20.604	3021	3024	3028	rVB3	18353	27547	0.61%	0.101%
81	20.663	3030	3034	3037	rBV	27106	35837	0.79%	0.131%
82	20.710	3038	3042	3046	rVB2	29148	36984	0.82%	0.135%
83	20.892	3069	3073	3078	rVV	30606	41746	0.92%	0.153%
84	21.086	3101	3106	3111	rVV2	22471	47571	1.05%	0.174%
85	21.321	3141	3146	3149	rVV	54683	83242	1.84%	0.305%
86	21.362	3149	3153	3157	rVV	51928	85143	1.88%	0.311%
87	21.415	3157	3162	3167	rVV2	45829	90284	1.99%	0.330%
88	21.609	3185	3195	3200	rBV2	15466	40730	0.90%	0.149%
89	21.738	3207	3217	3223	rBV3	382811	1033057	22.82%	3.779%
90	21.791	3223	3226	3239	rVB	212753	343292	7.58%	1.256%
91	21.944	3247	3252	3260	rVB	51733	89695	1.98%	0.328%
92	22.155	3283	3288	3294	rVB3	24650	48535	1.07%	0.178%
93	22.484	3336	3344	3348	rVV2	22485	53485	1.18%	0.196%
94	22.814	3395	3400	3406	rVB4	19029	39557	0.87%	0.145%
95	23.977	3589	3598	3605	rBV2	61763	192950	4.26%	0.706%
96	24.036	3606	3608	3618	rVB3	33226	59047	1.30%	0.216%
97	24.711	3714	3723	3730	rBV	26406	71693	1.58%	0.262%
98	24.794	3730	3737	3742	rVV2	24365	58397	1.29%	0.214%
99	24.858	3742	3748	3763	rVB	40067	110845	2.45%	0.406%
100	25.023	3764	3776	3784	rBV	161955	448471	9.91%	1.641%

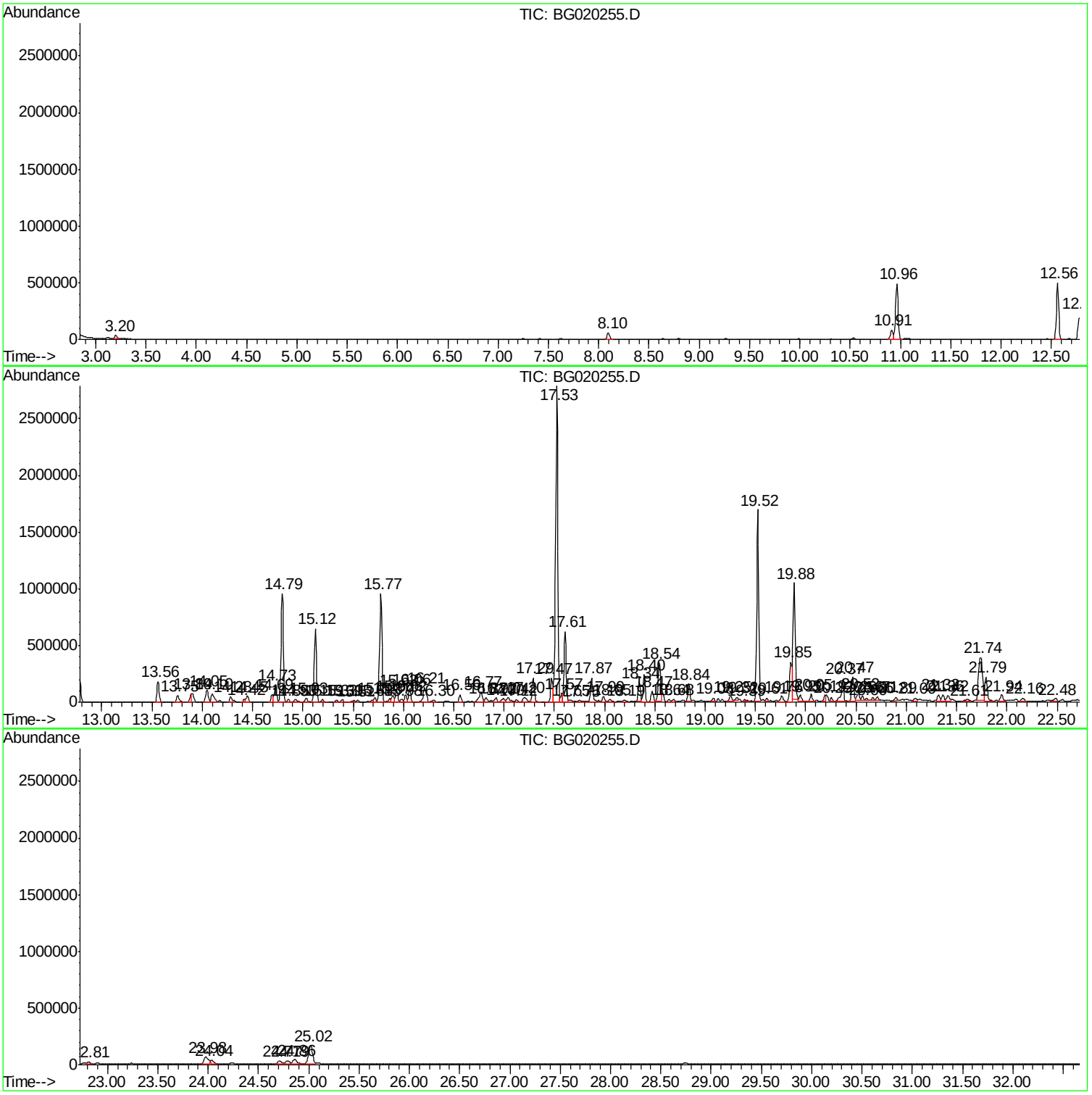
Sum of corrected areas: 27333597

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

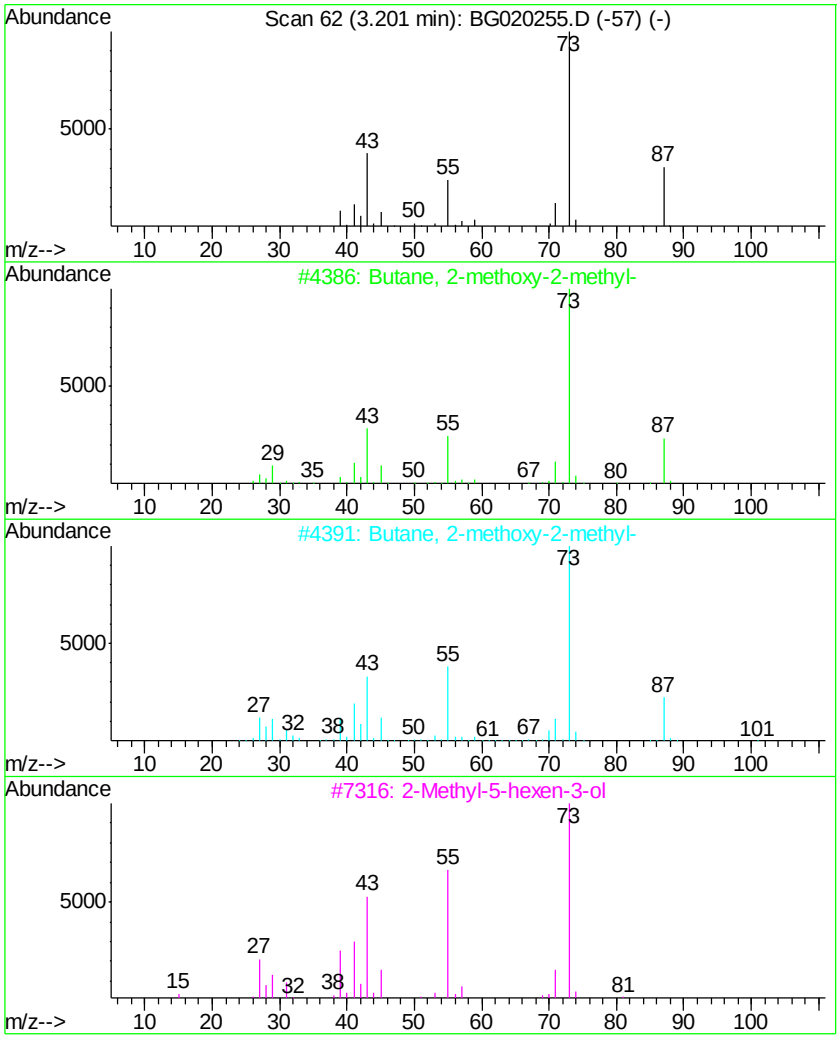
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

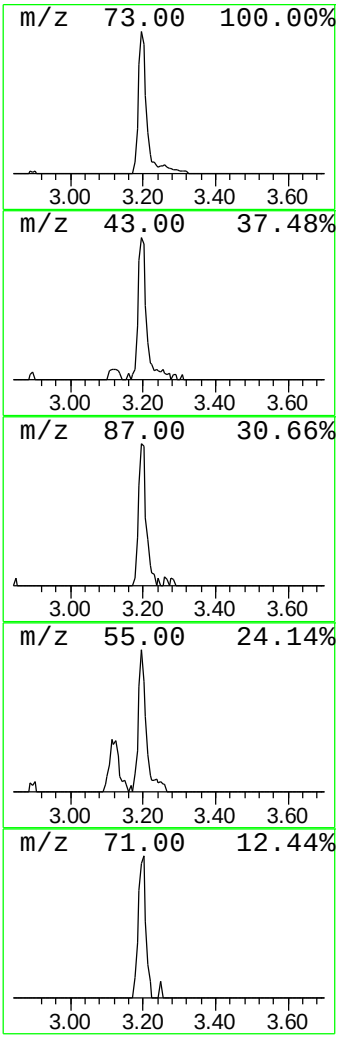
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	9.18 ng/ul	44591	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

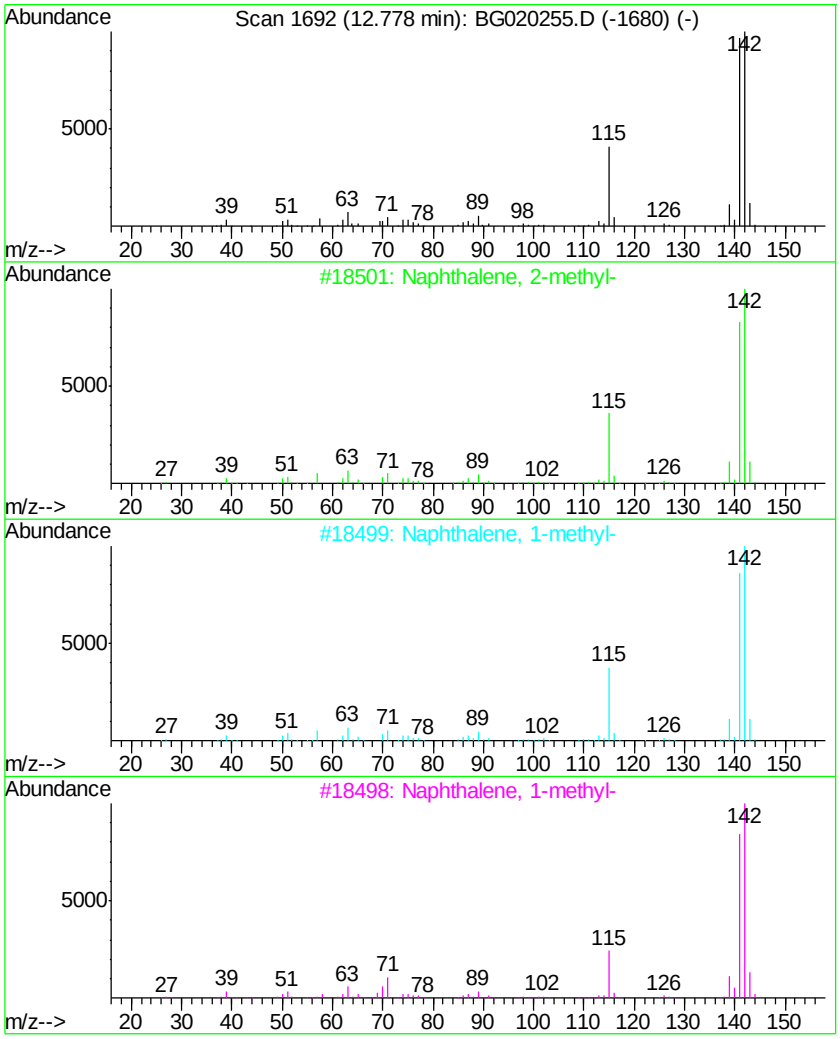
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

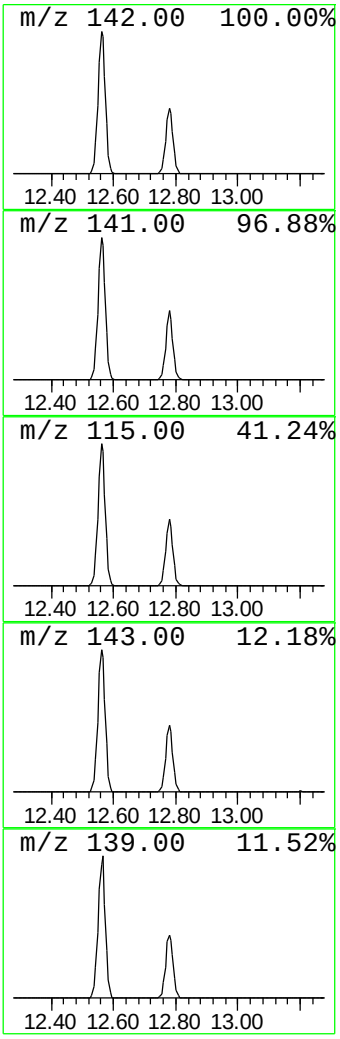
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	48.34 ng/ul	385735	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

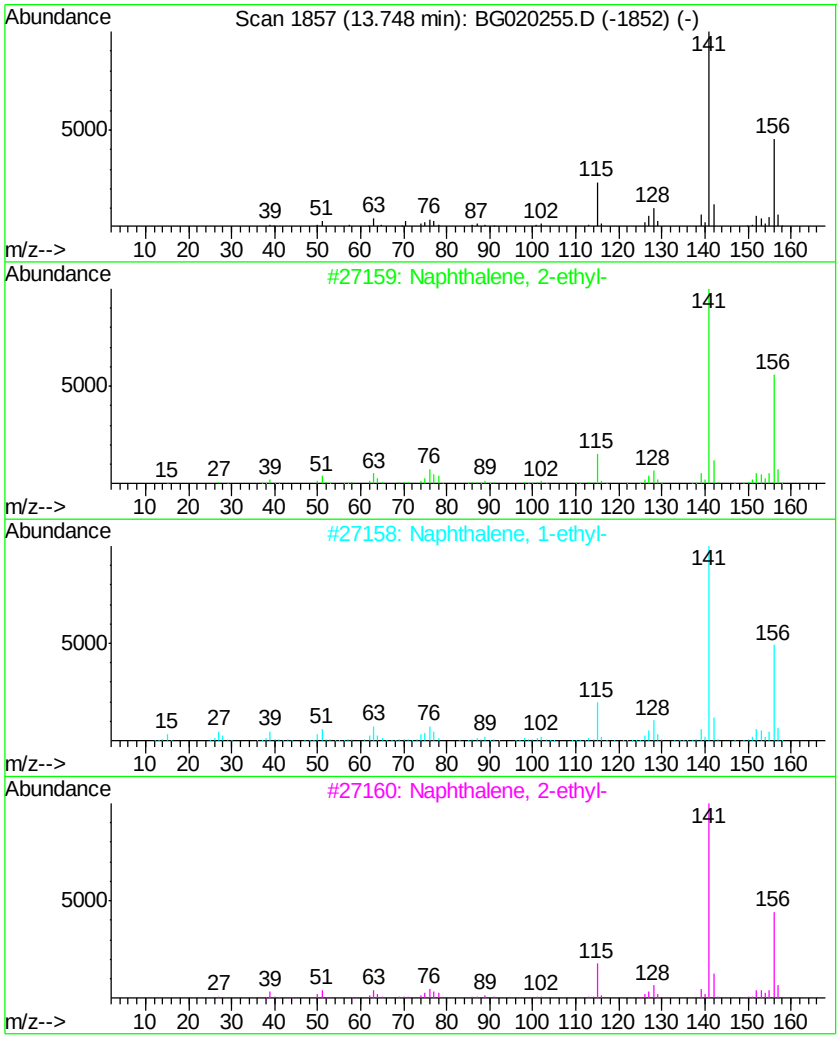
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

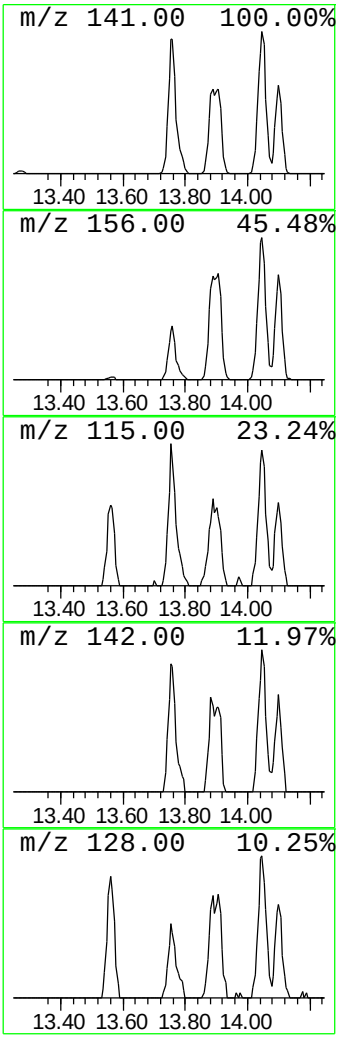
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	8.88 ng/ul	110604	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

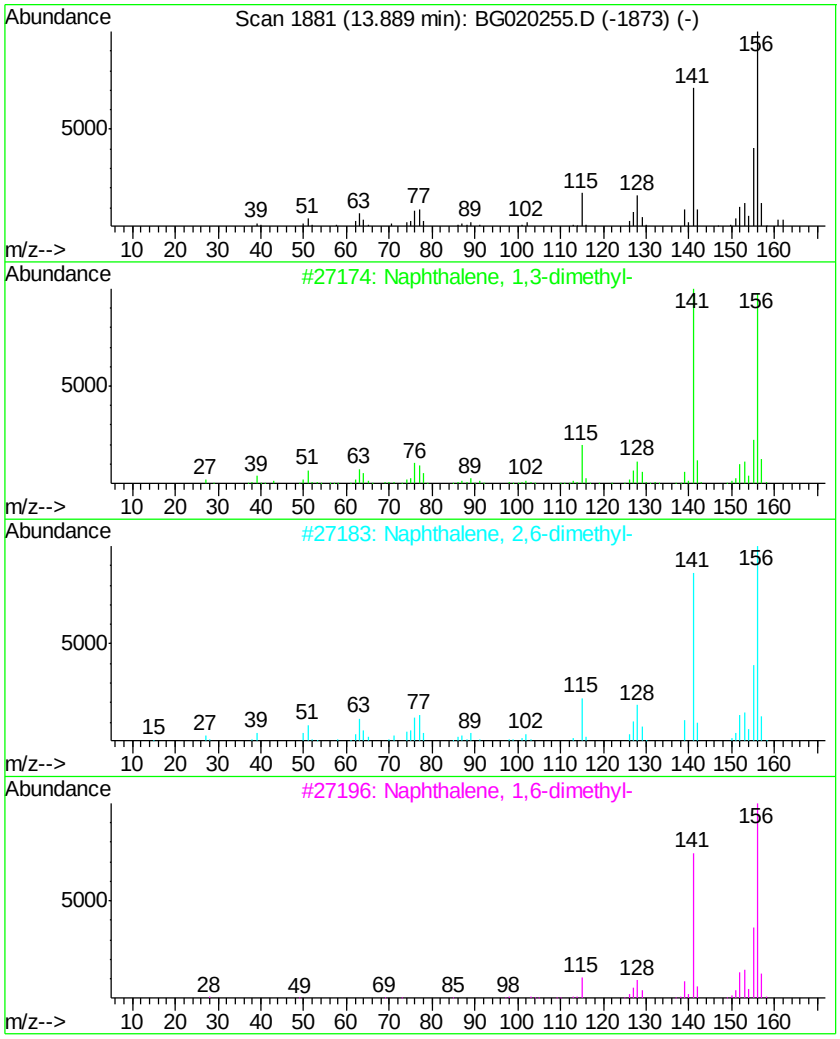
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

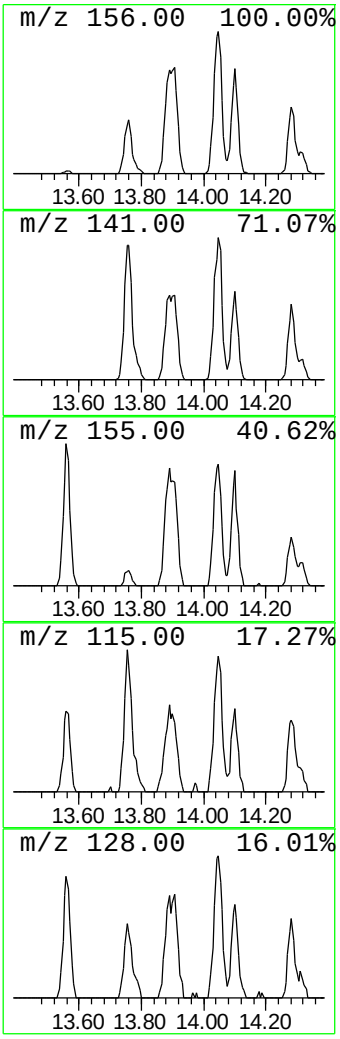
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.56 ng/ul	106700	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

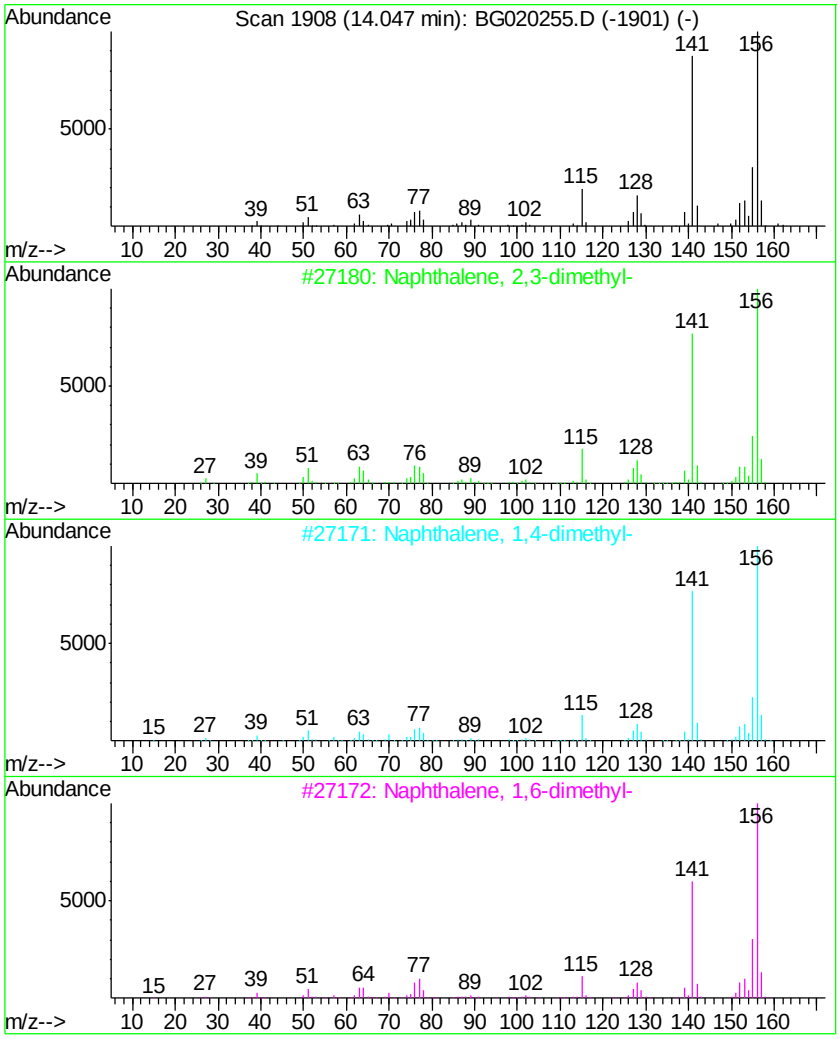
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

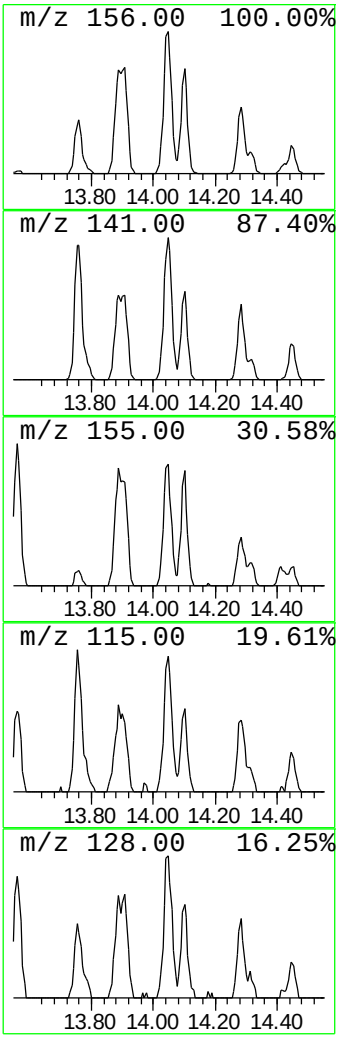
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	15.31 ng/ul	190774	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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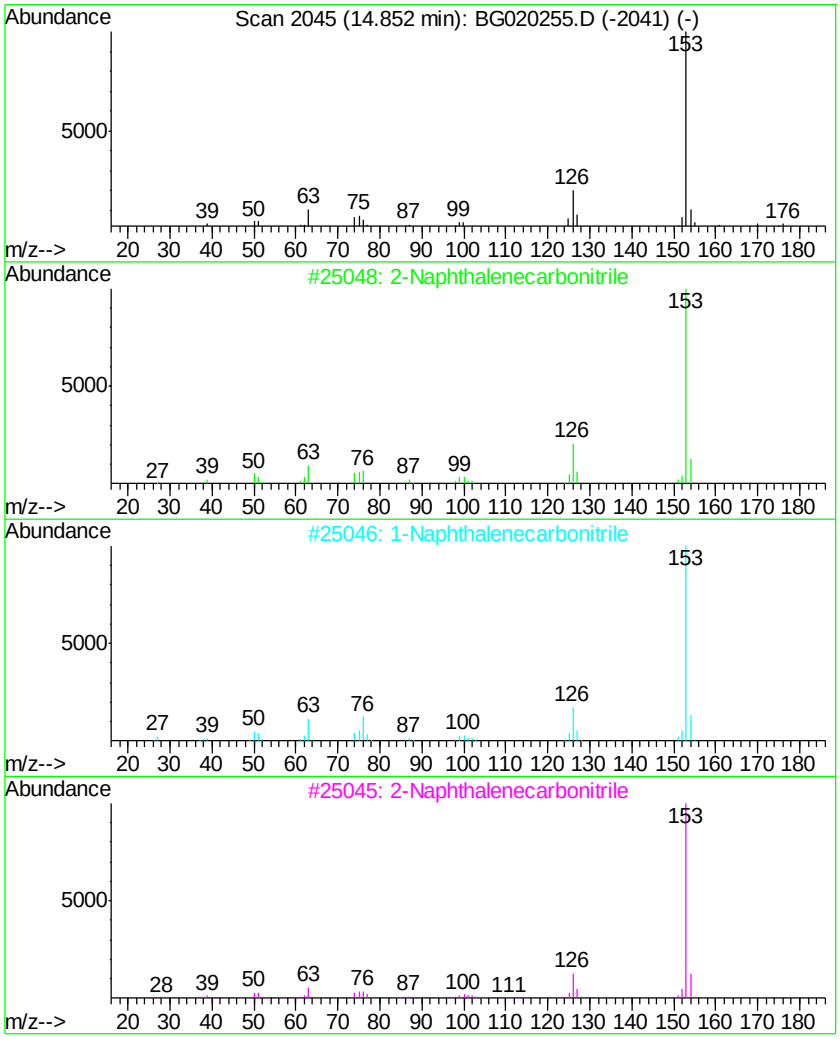
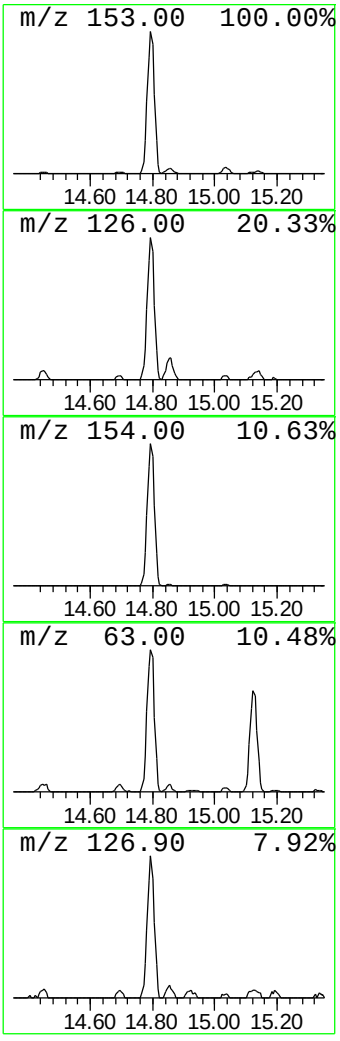
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.86 ng/ul	35680	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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Sample : G4767-07DL 5X
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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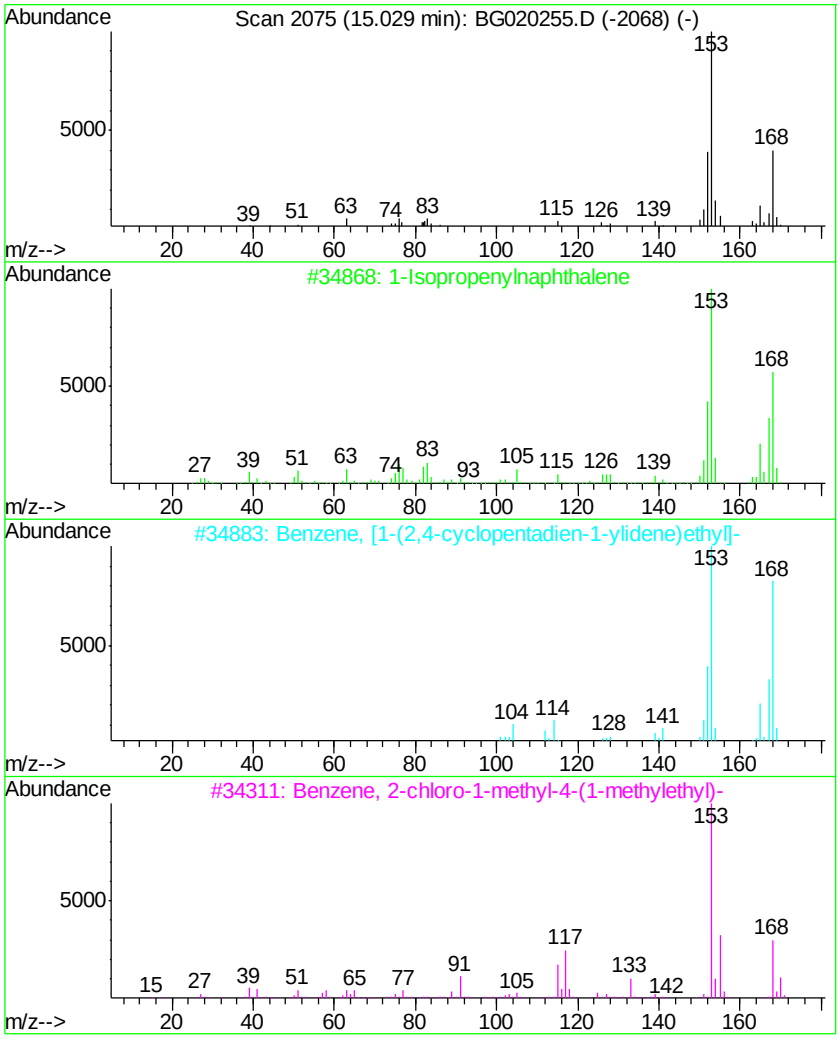
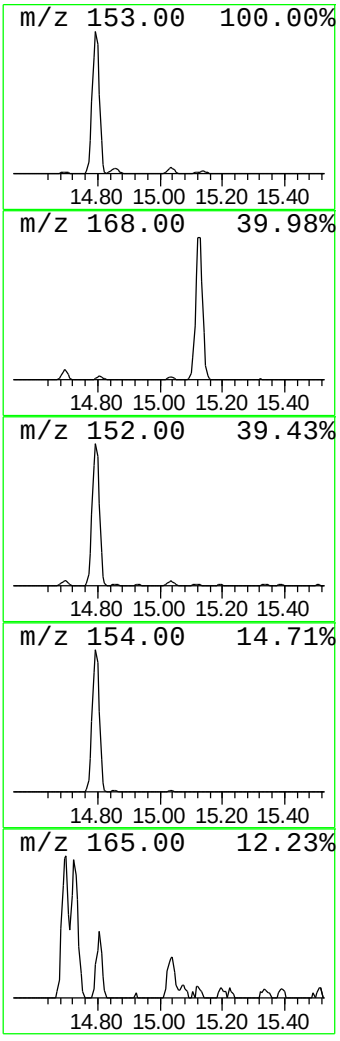
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	4.82 ng/ul	60022	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	86
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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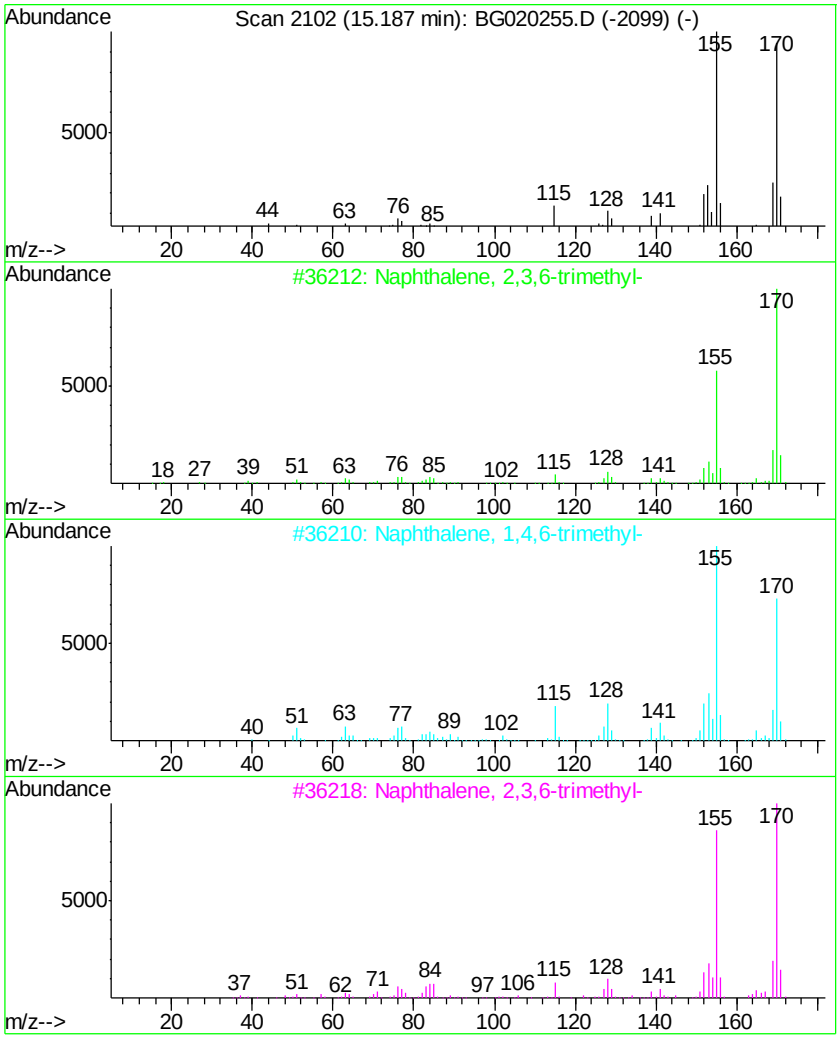
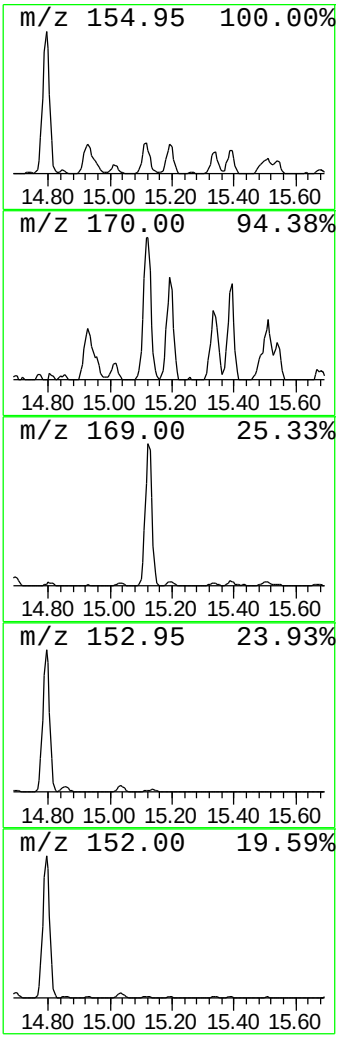
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.87 ng/ul	35758	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





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Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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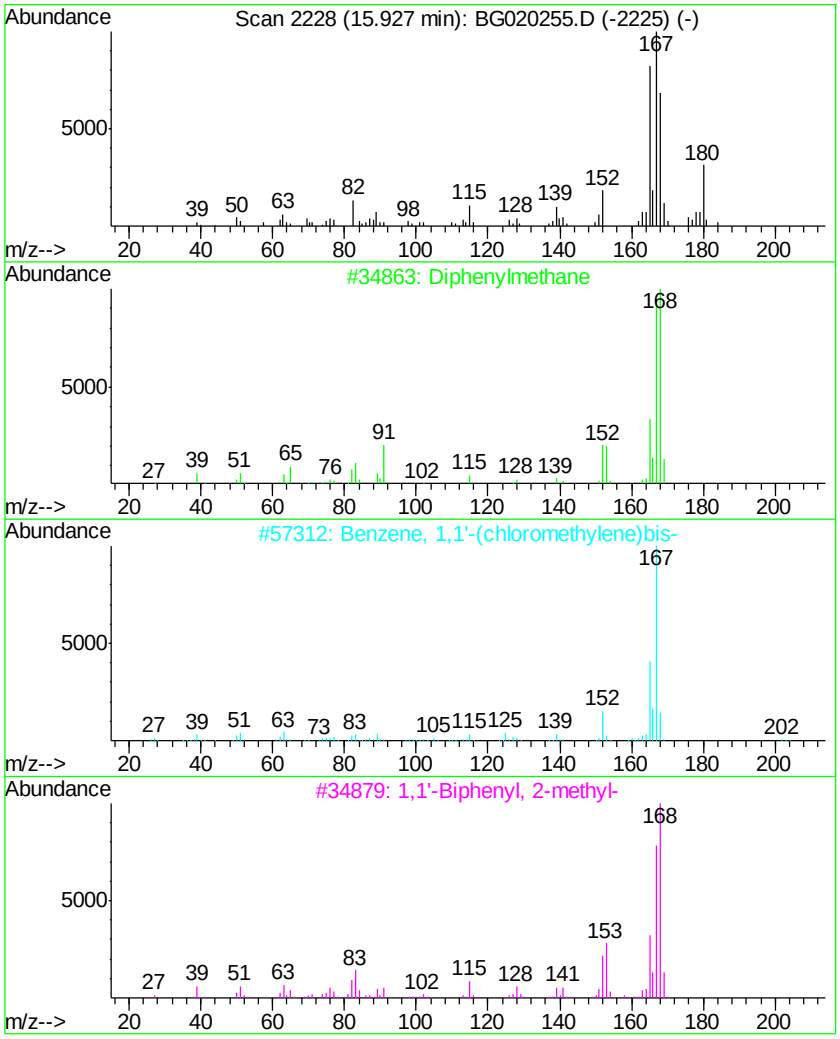
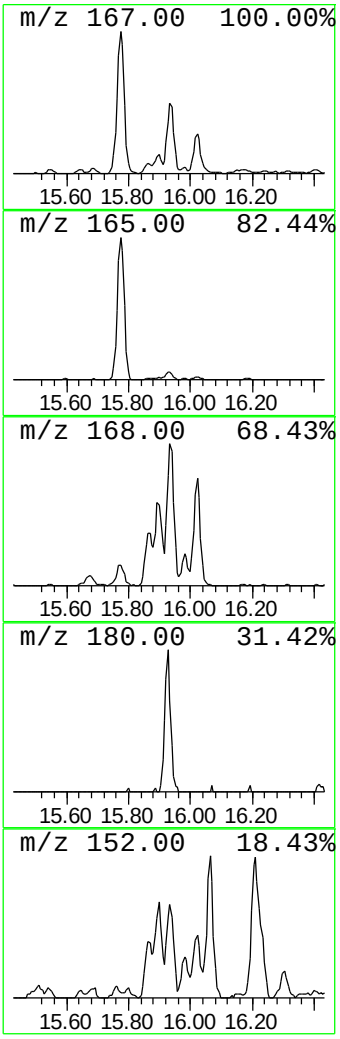
Peak Number 14 Diphenylmethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	14.29 ng/ul	178016	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	58
2	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





Library Search Compound Report

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Sample : G4767-07DL 5X
Misc :
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Quant Title : SVOA CALIBRATION

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

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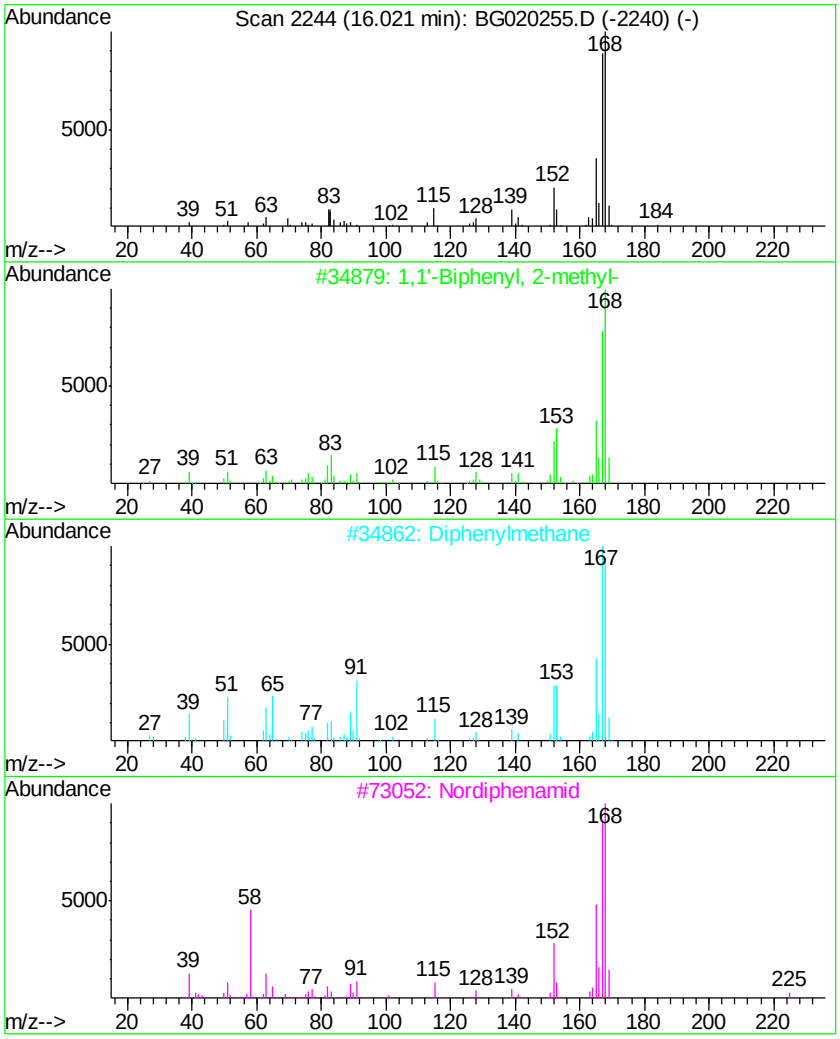
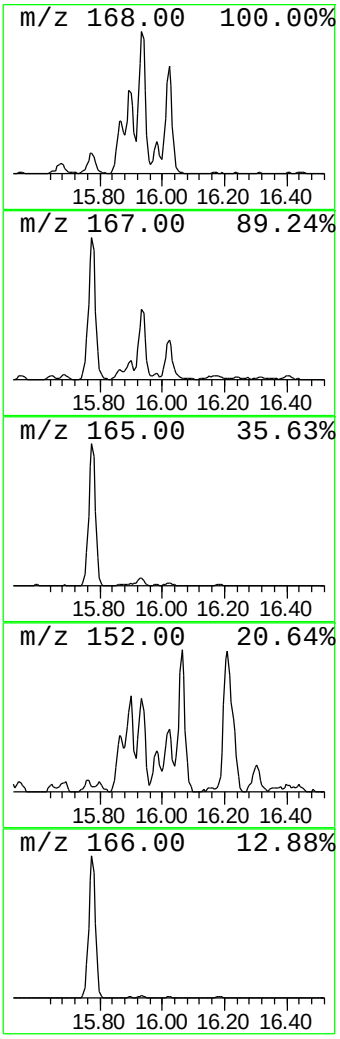
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	7.63 ng/ul	95122	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	Diphenylmethane	168	C13H12	000101-81-5	87
3	Nordiphenamid	225	C15H15NO	000954-21-2	83
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72





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Acq On : 17 Dec 2015 21:10
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Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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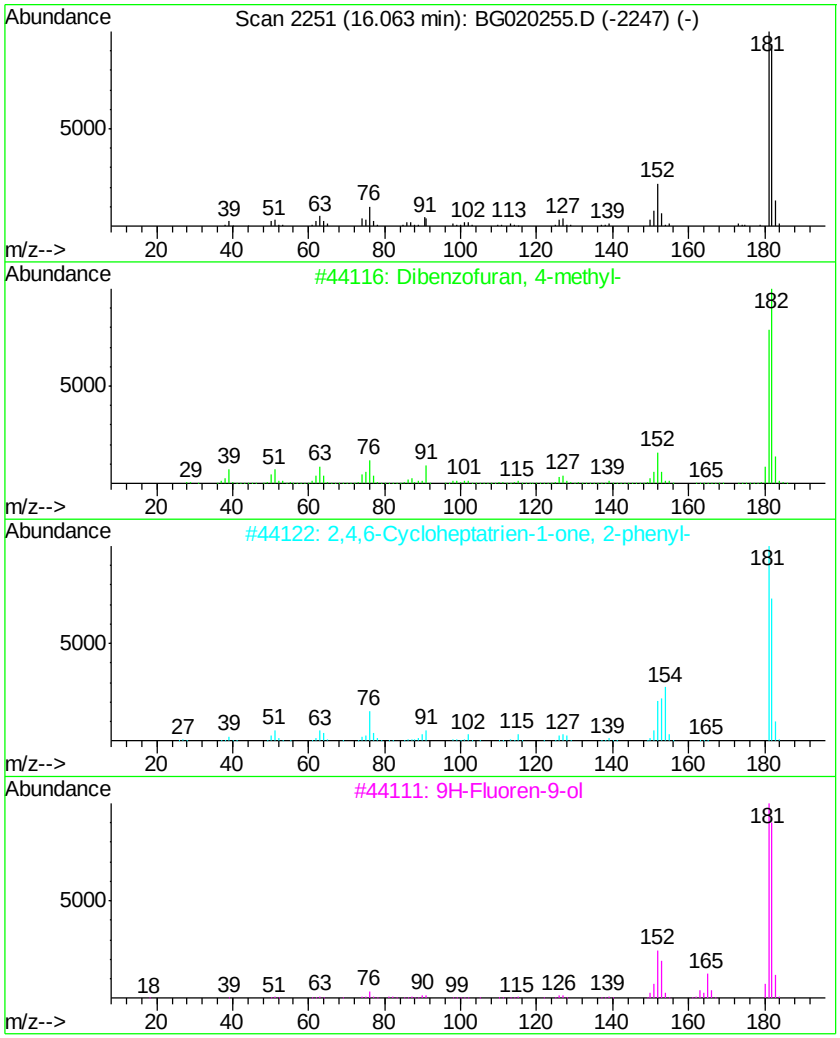
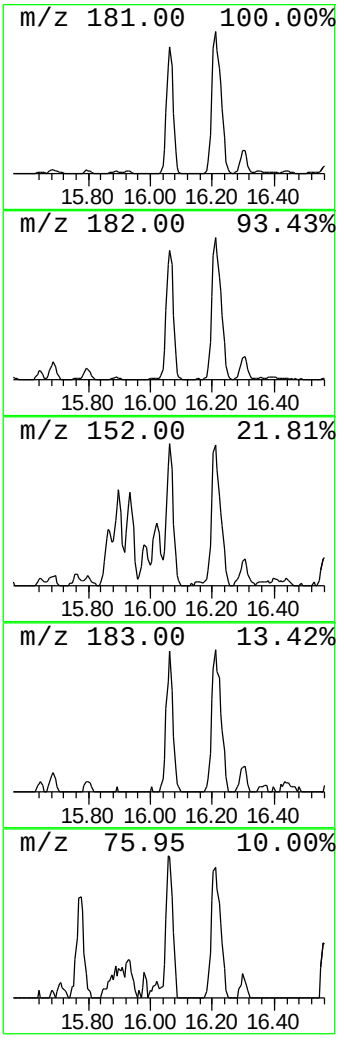
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	14.55 ng/ul	181303	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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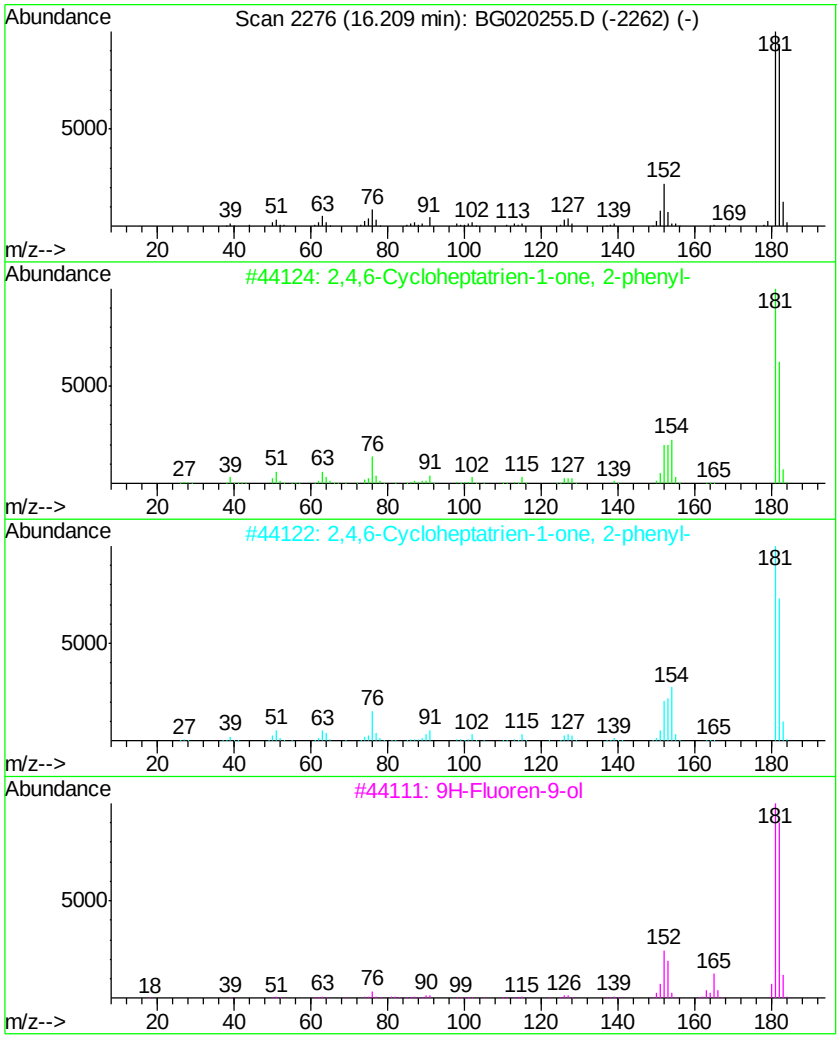
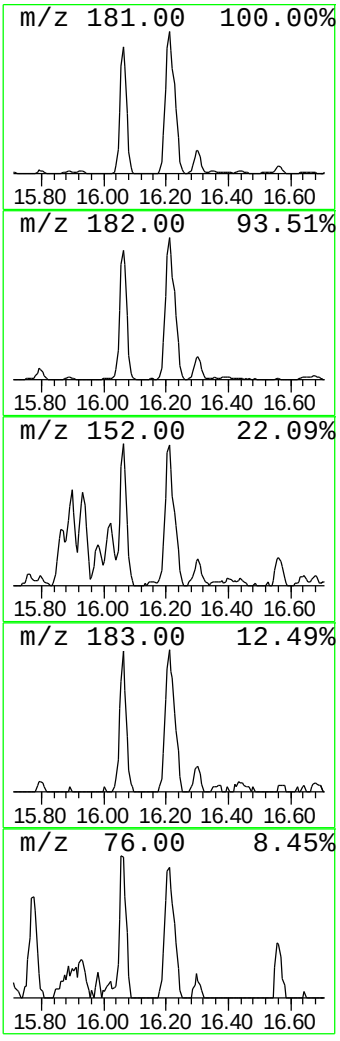
Peak Number 18 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	15.63 ng/ul	279531	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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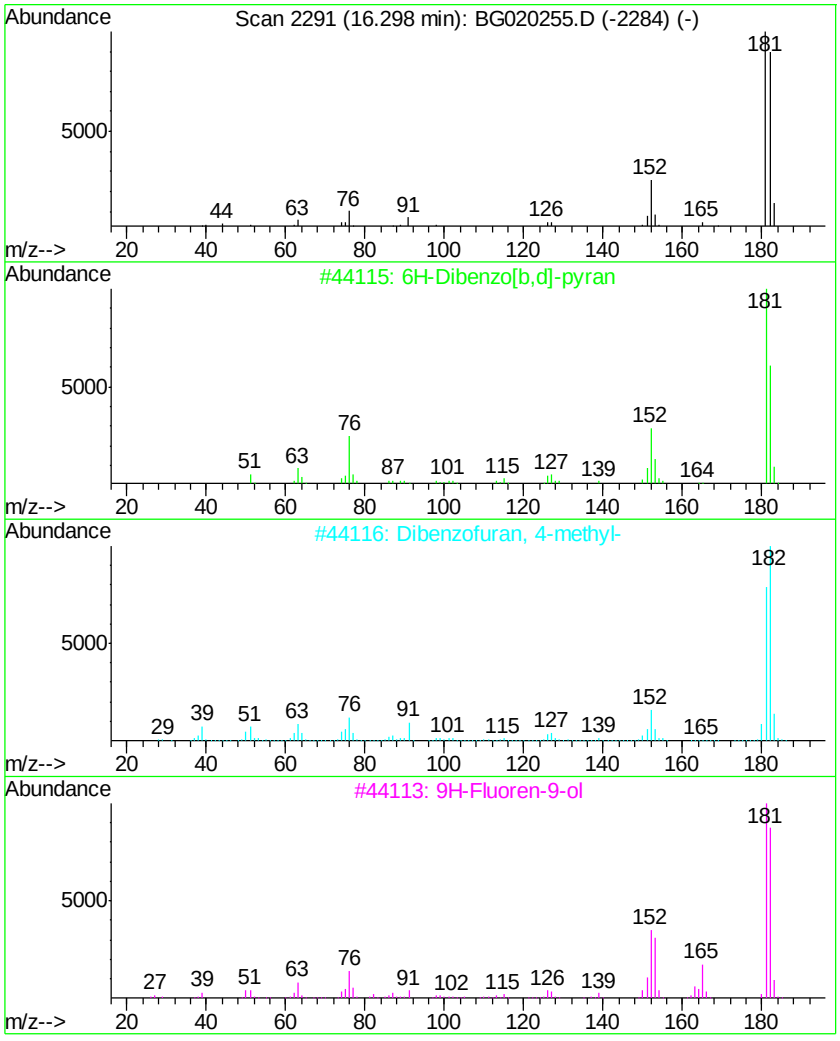
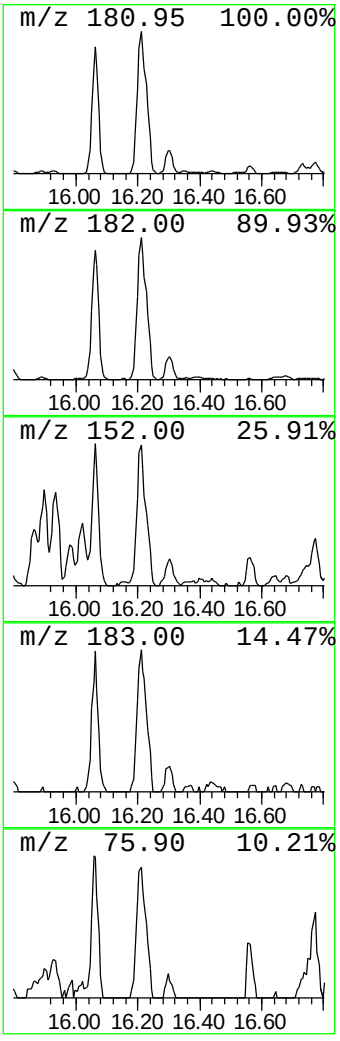
Peak Number 19 6H-Dibenzo[b,d]-pyran Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	2.06 ng/ul	36829	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	86





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ALS Vial : 8 Sample Multiplier: 1

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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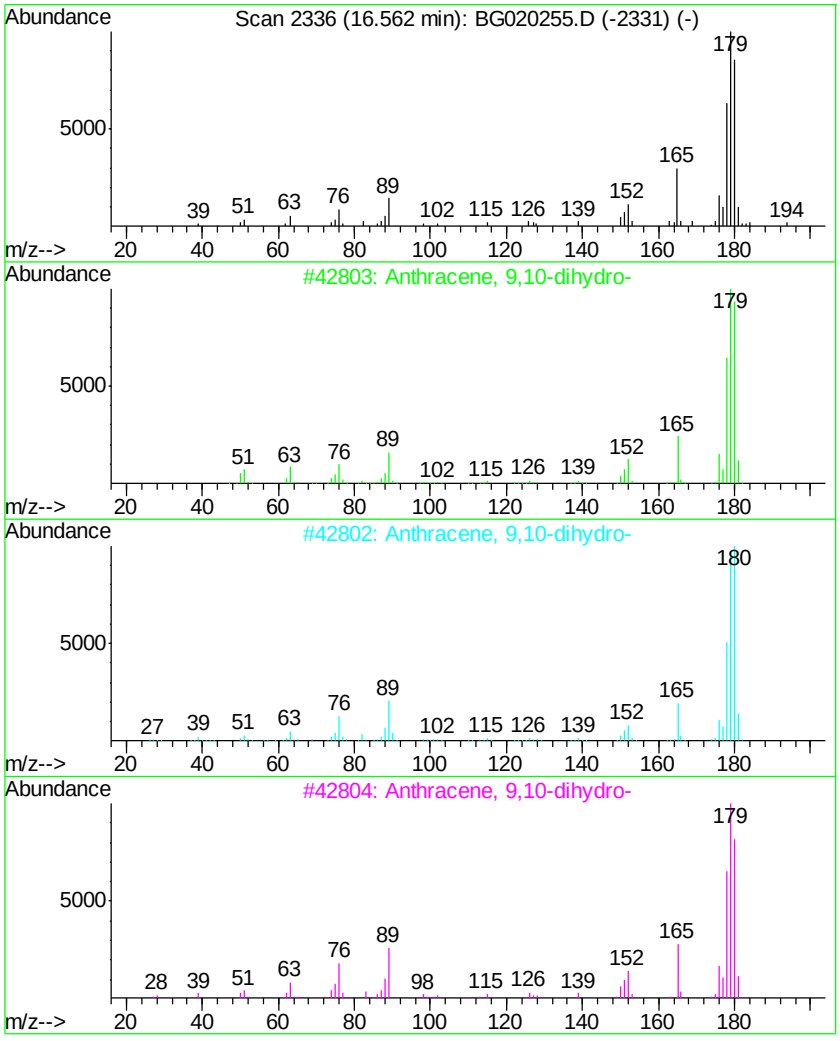
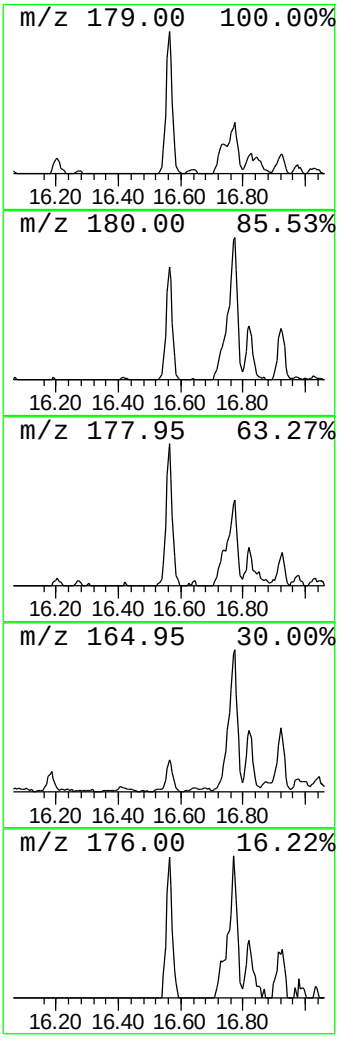
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	5.33 ng/ul	95260	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
5	(E)-Stilbene	180	C14H12	000103-30-0	68





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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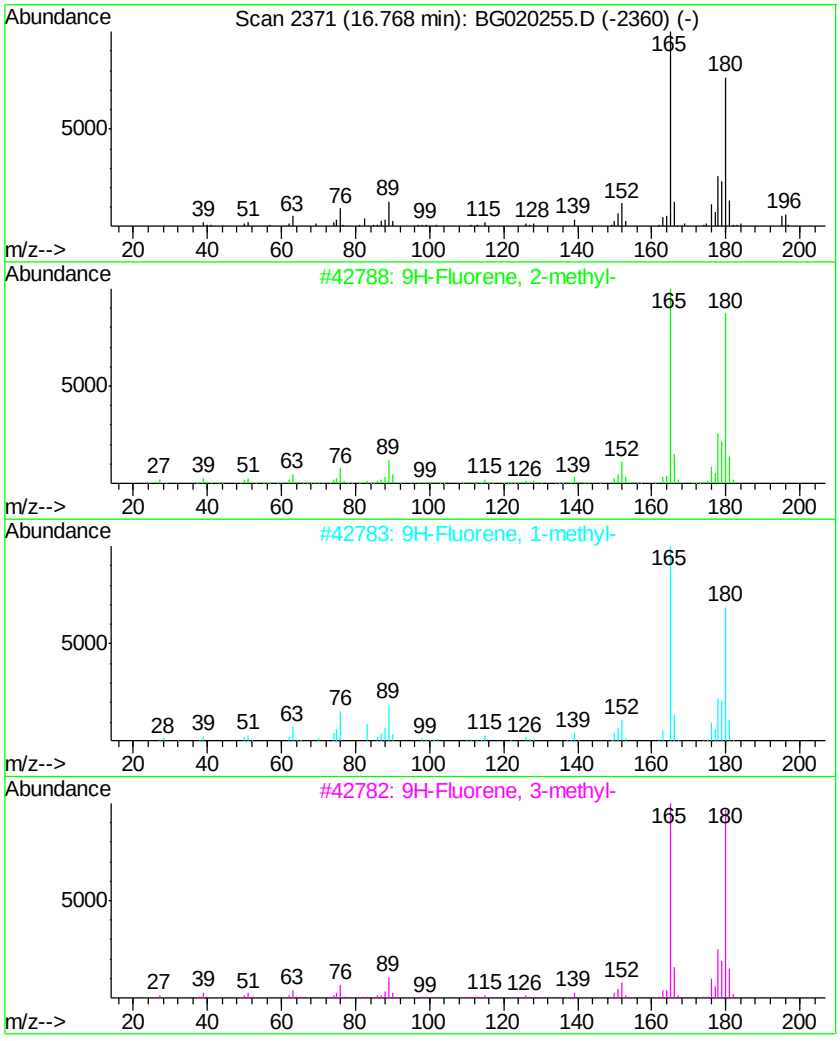
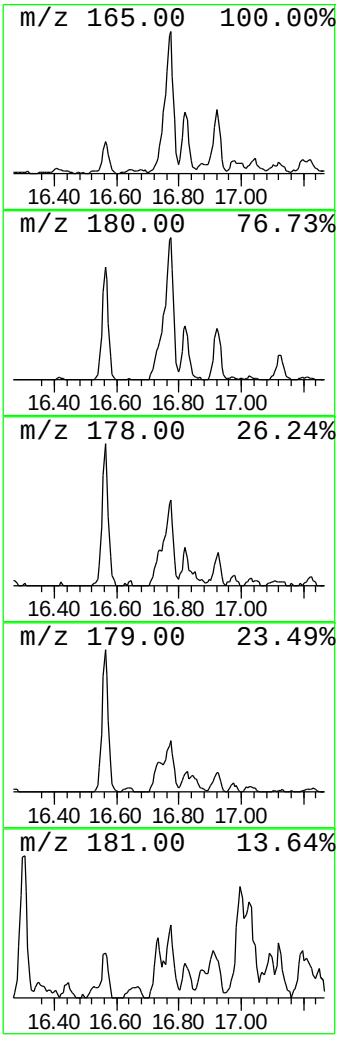
Peak Number 21 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	11.55 ng/ul	206596	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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ClientSampleId : D9N29DL

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Quant Title : SVOA CALIBRATION

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

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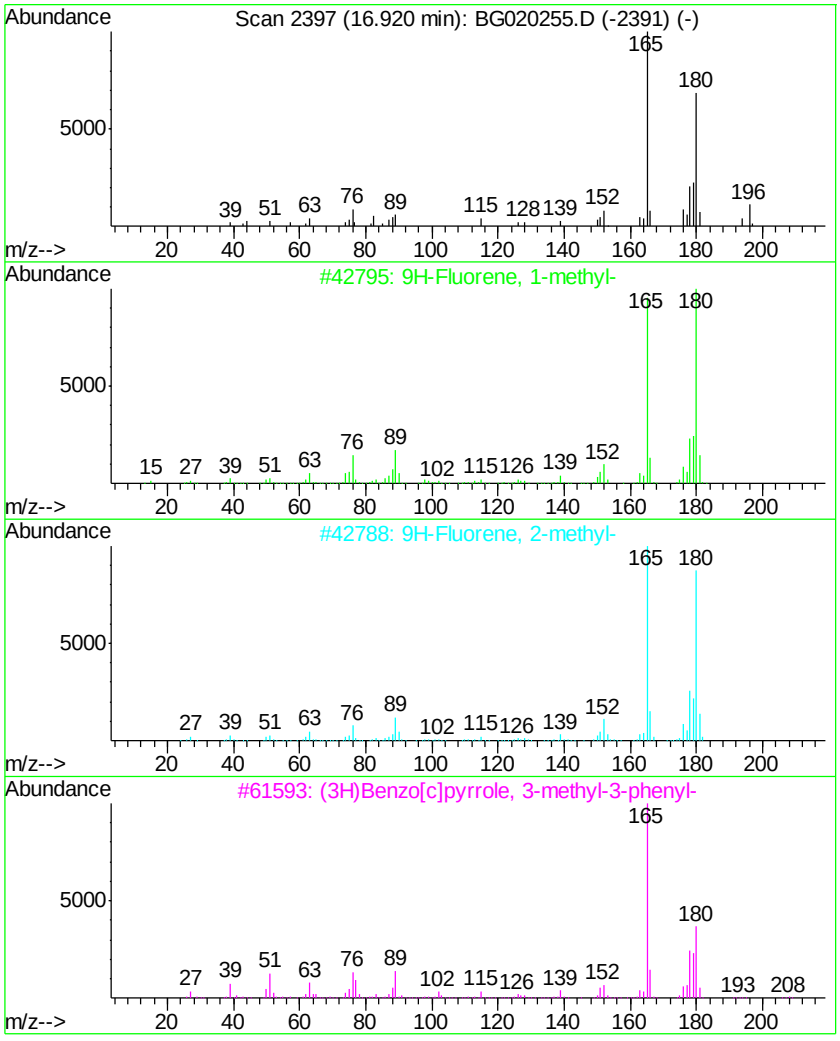
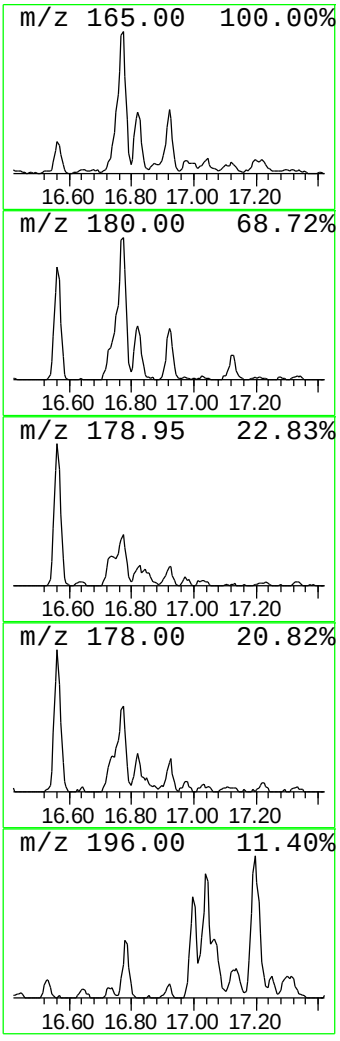
Peak Number 23 9H-Fluorene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	3.98 ng/ul	71268	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	59
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	59





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Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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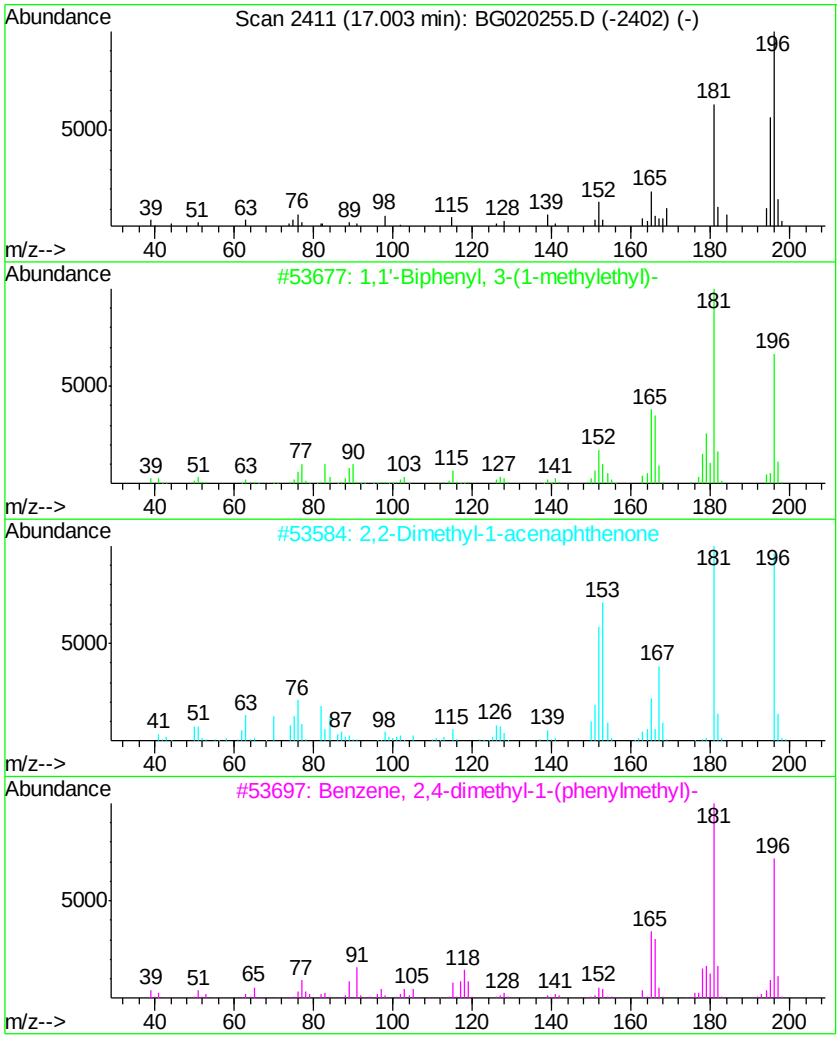
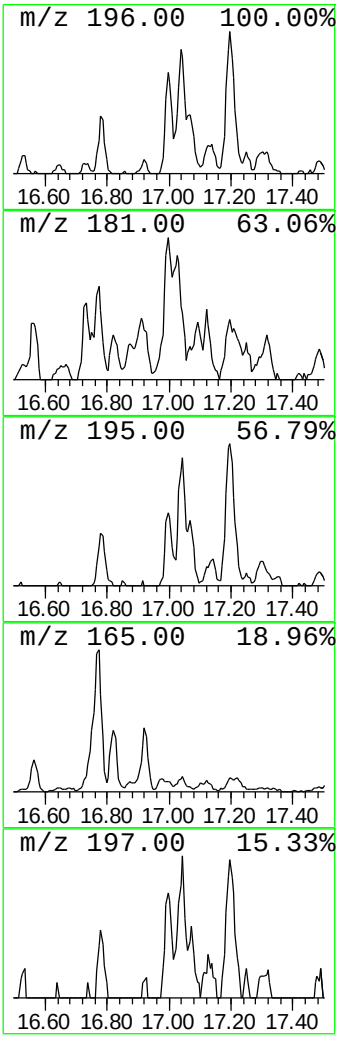
Peak Number 24 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	4.19 ng/ul	74935	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	74
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	62
3	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	59
4	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	58
5	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	58





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Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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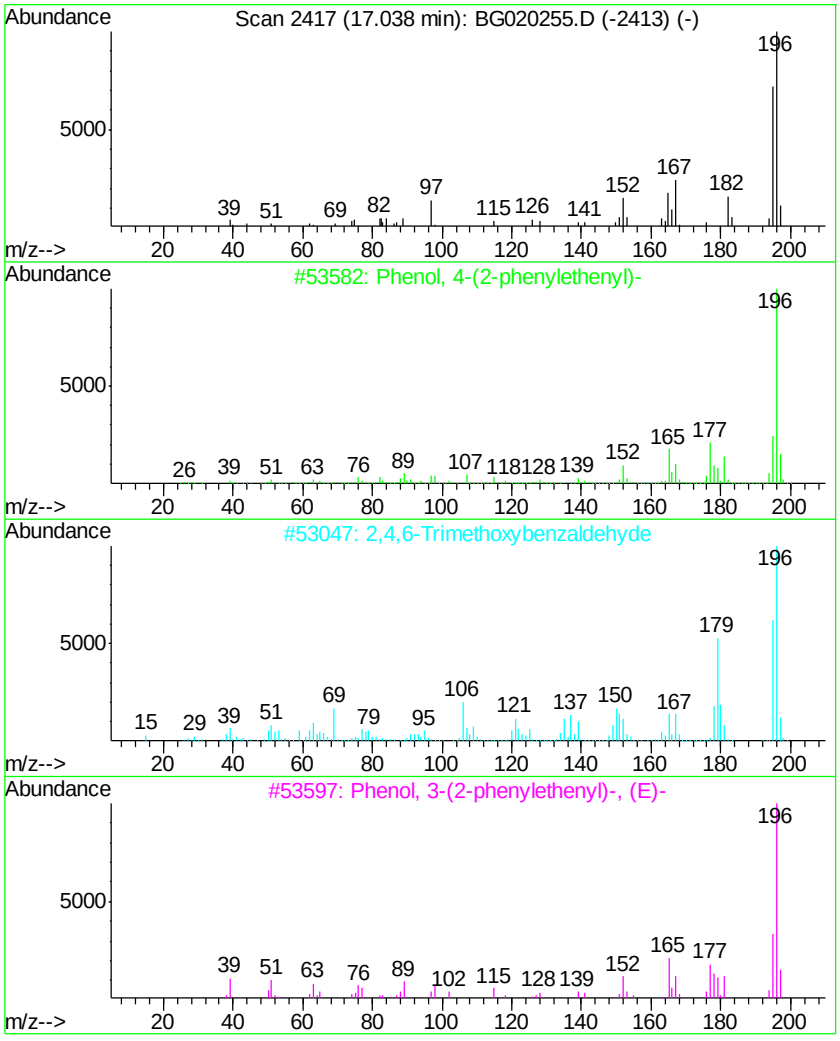
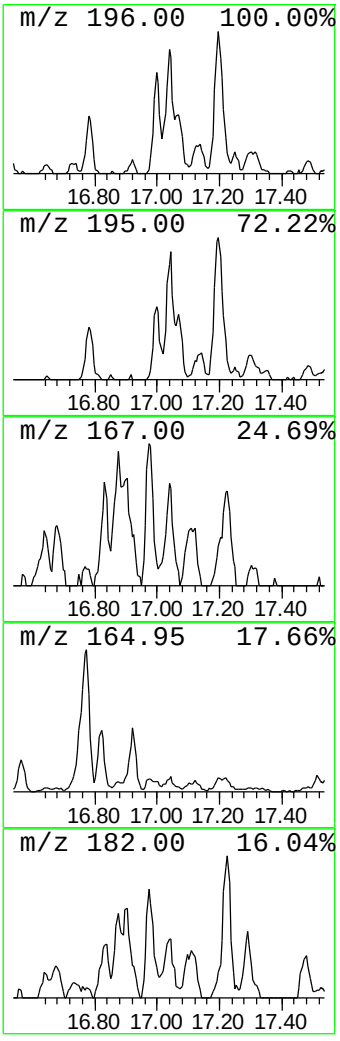
Peak Number 25 Phenol, 4-(2-phenylethenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	4.01 ng/ul	71632	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	59
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	53





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Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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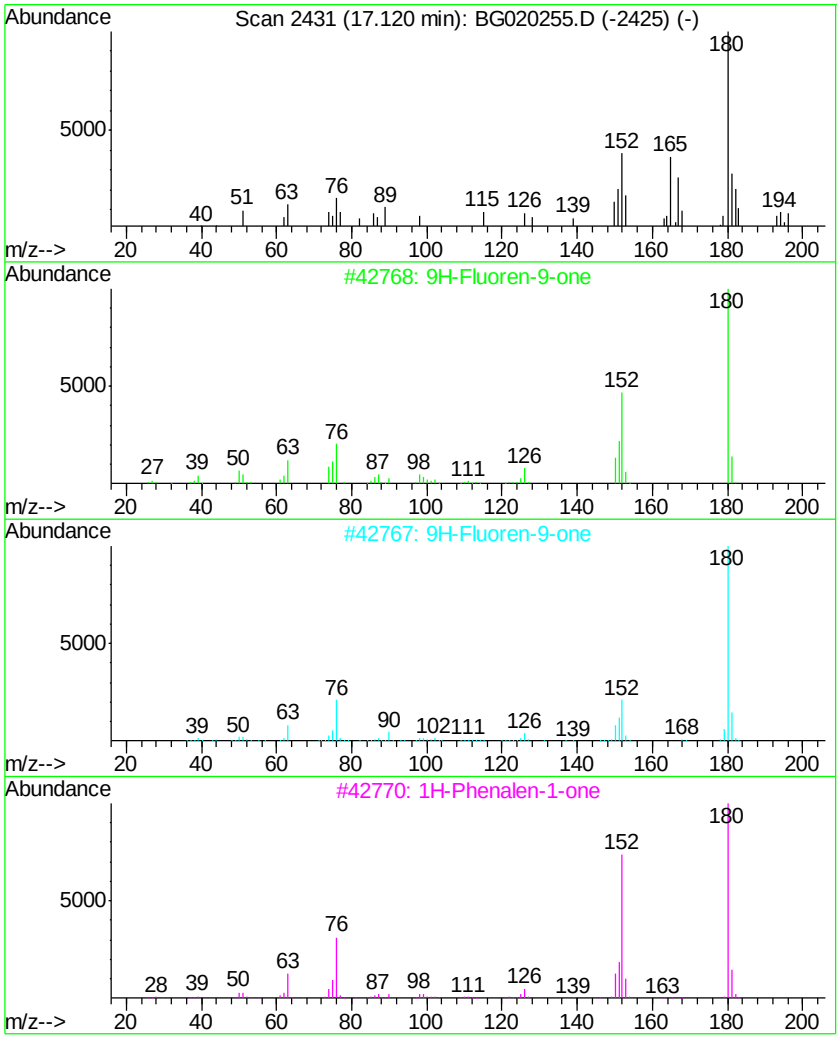
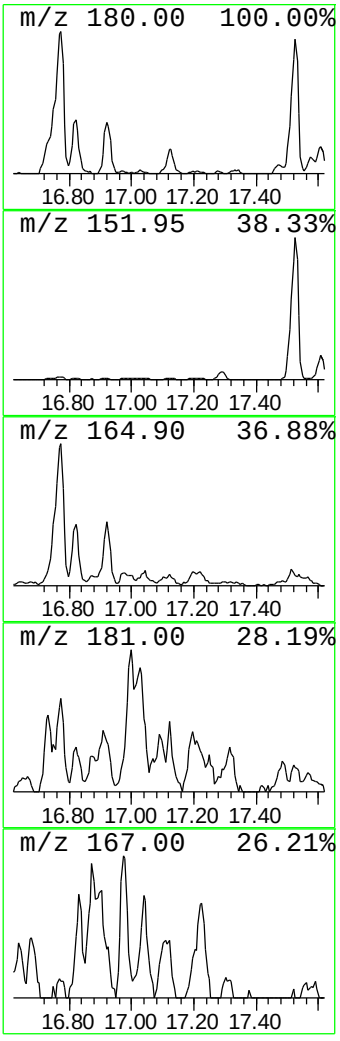
Peak Number 26 9H-Fluoren-9-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.59 ng/ul	46273	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47
5	1-Aminofluorene	181	C13H11N	006344-63-4	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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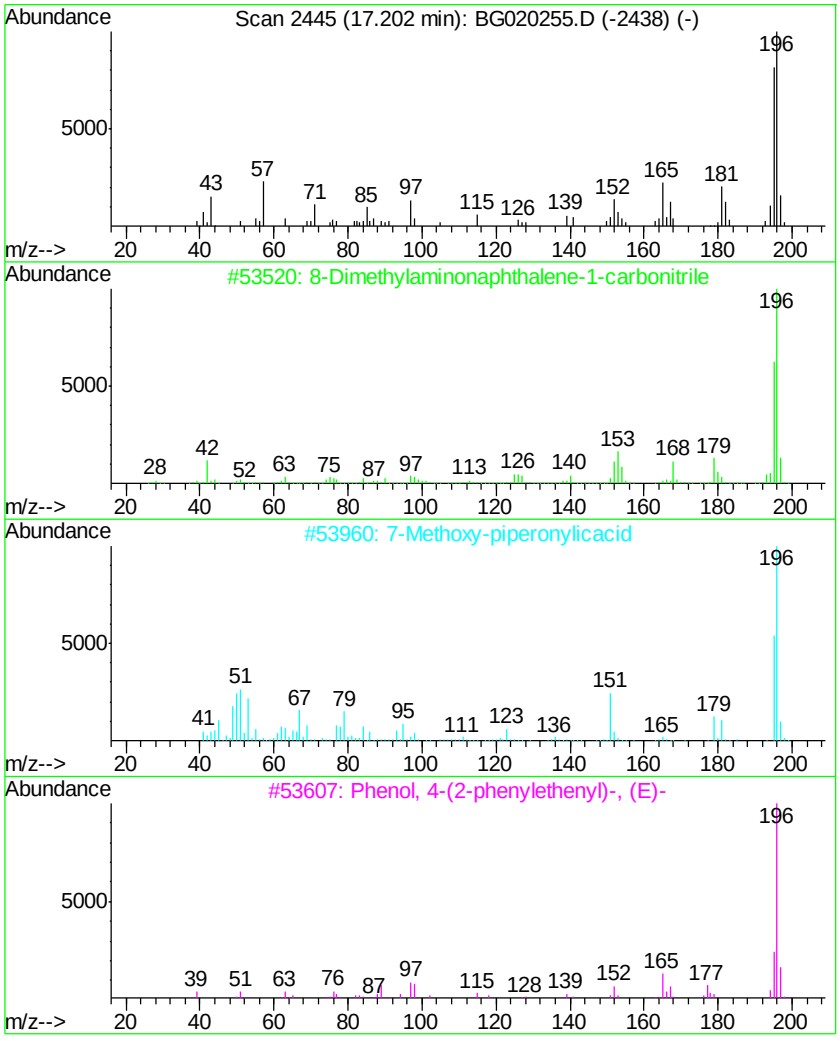
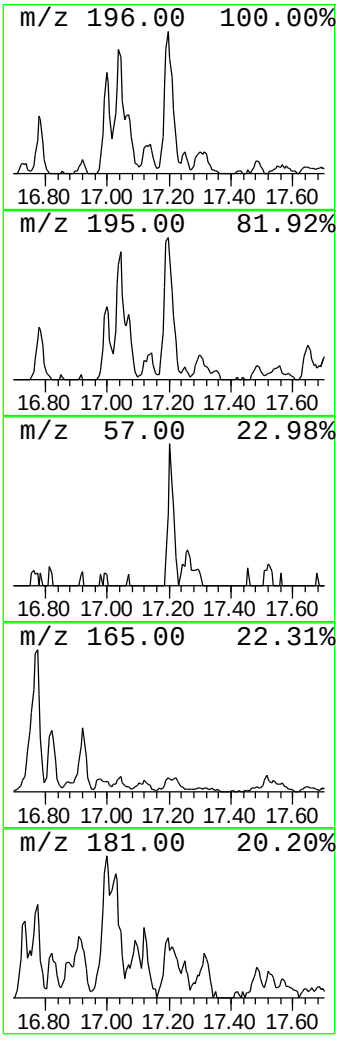
Peak Number 27 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	6.76 ng/ul	120876	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	59
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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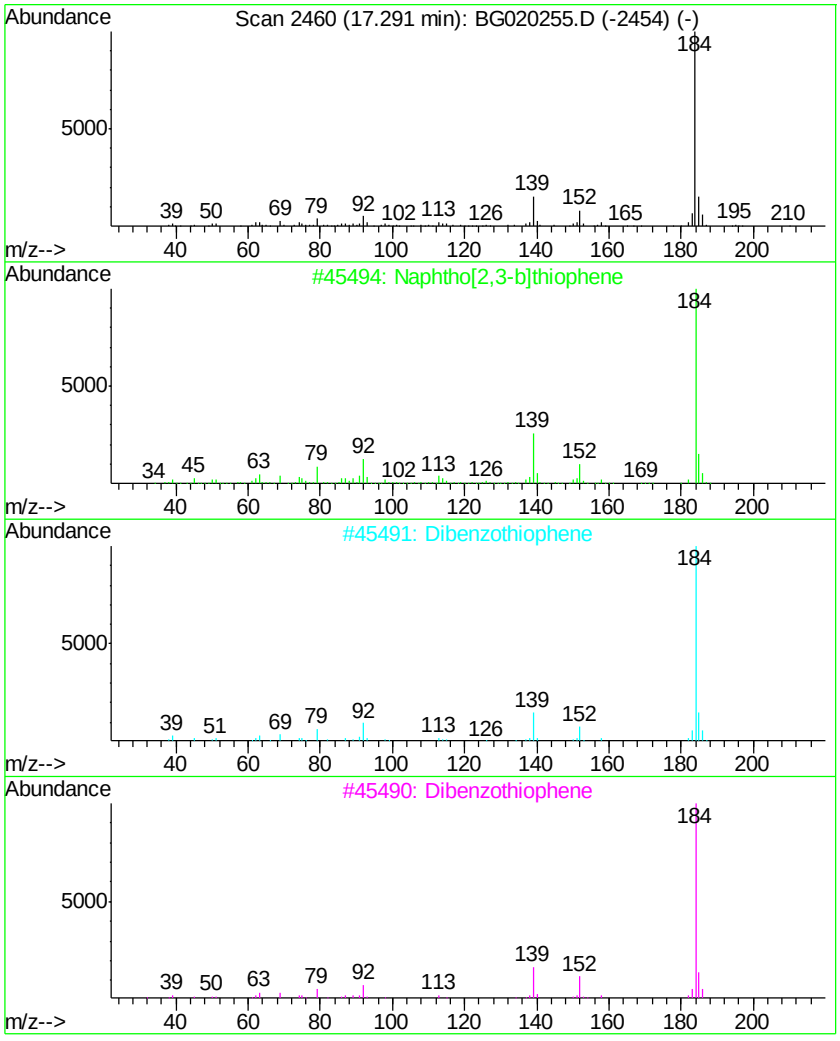
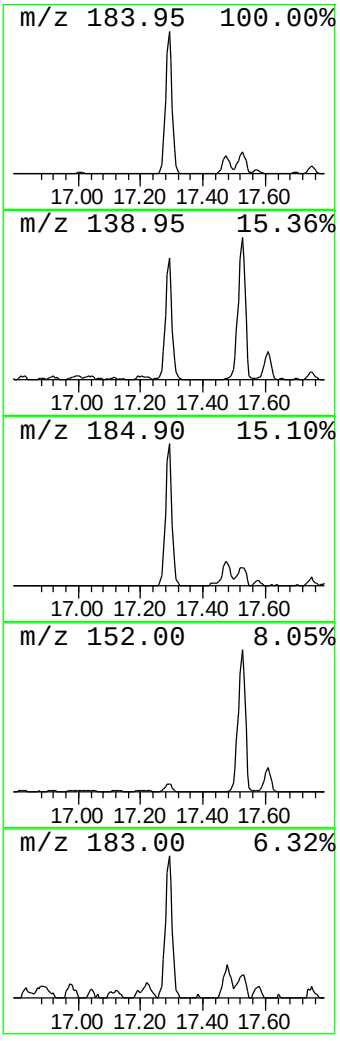
Peak Number 28 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	18.74 ng/ul	335077	Phenanthrene-d10	17.47

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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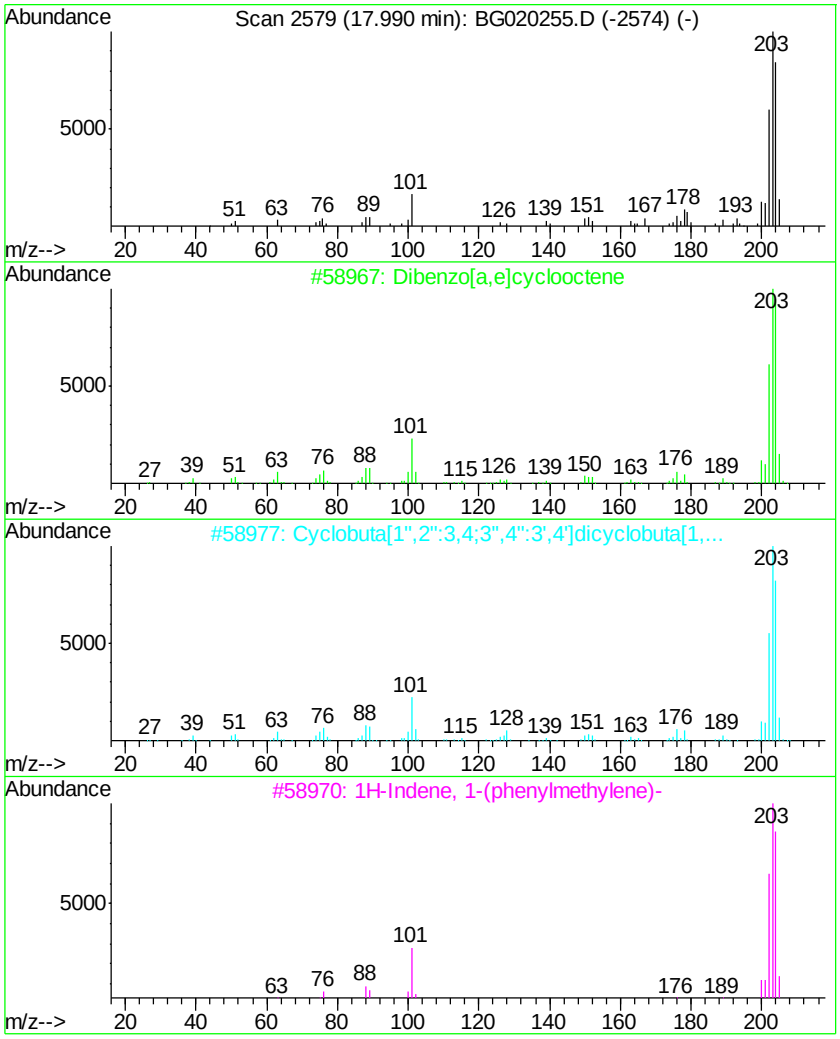
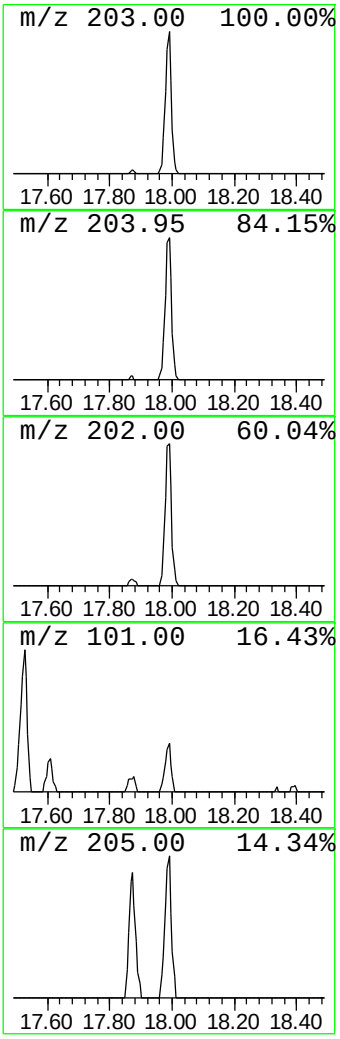
Peak Number 29 Dibenzo[a,e]cyclooctene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.06 ng/ul	72666	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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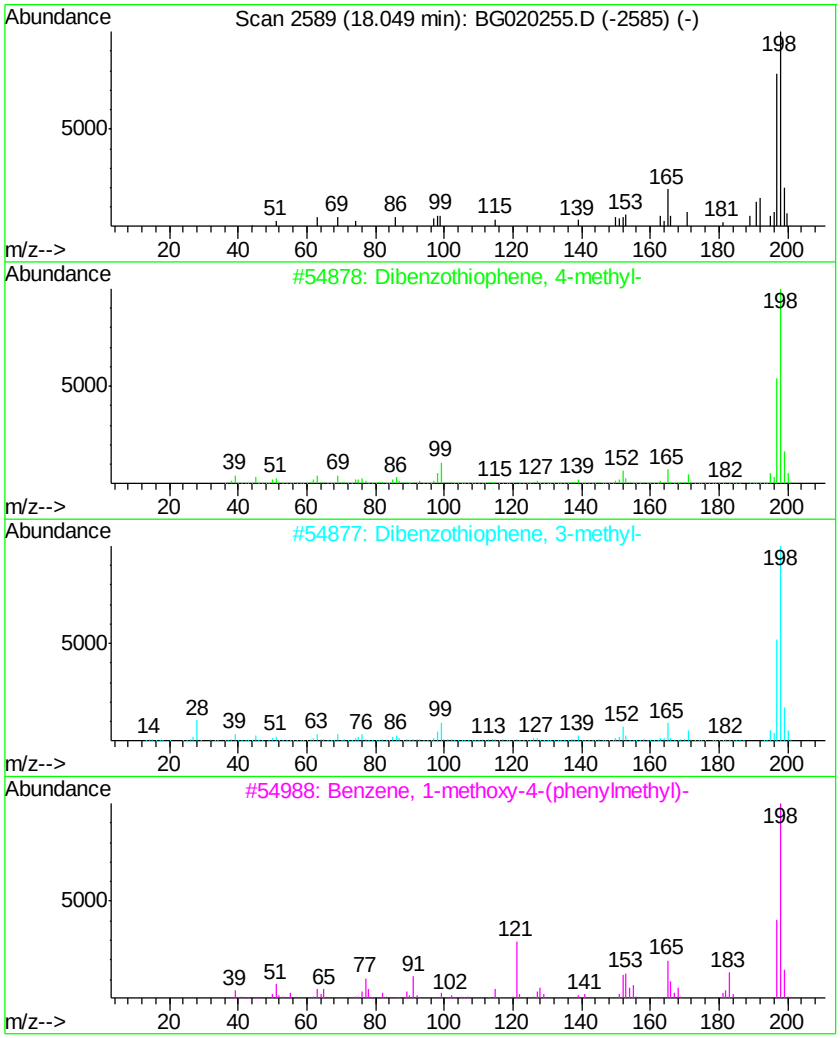
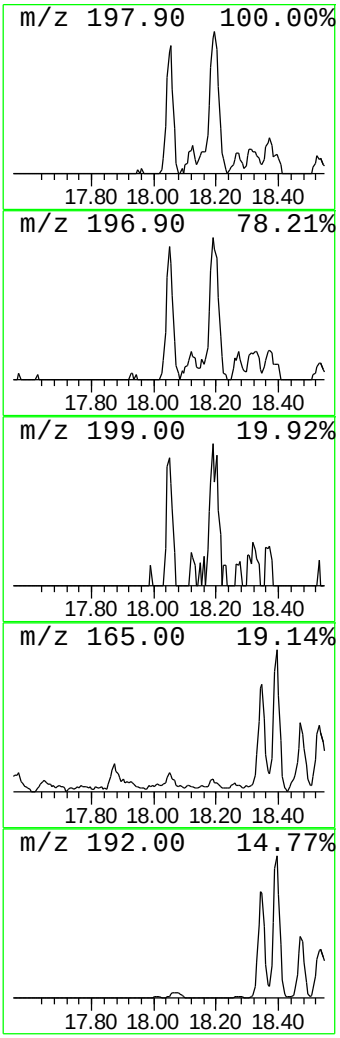
Peak Number 30 Dibenzothiophene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.31 ng/ul	41249	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
3	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	53
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020255.D
Acq On : 17 Dec 2015 21:10
Operator : UM/SJ
Sample : G4767-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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...	3.20	9.2	ng/ul	44591	1	8.10	97110	20.0
Naphthalene, 1-me...	12.78	48.3	ng/ul	385735	2	10.91	159585	20.0
Naphthalene, 2-et...	13.75	8.9	ng/ul	110604	3	14.73	249226	20.0
Naphthalene, 1,3-...	13.89	8.6	ng/ul	106700	3	14.73	249226	20.0
Naphthalene, 2,3-...	14.05	15.3	ng/ul	190774	3	14.73	249226	20.0
2-Naphthalenecarb...	14.85	2.9	ng/ul	35680	3	14.73	249226	20.0
1-Isopropenylnaph...	15.03	4.8	ng/ul	60022	3	14.73	249226	20.0
Naphthalene, 2,3,...	15.19	2.9	ng/ul	35758	3	14.73	249226	20.0
Diphenylmethane	15.93	14.3	ng/ul	178016	3	14.73	249226	20.0
1,1'-Biphenyl, 2-...	16.02	7.6	ng/ul	95122	3	14.73	249226	20.0
Dibenzofuran, 4-m...	16.06	14.6	ng/ul	181303	3	14.73	249226	20.0
2,4,6-Cycloheptat...	16.21	15.6	ng/ul	279531	4	17.47	357694	20.0
6H-Dibenzo[b,d]-p...	16.30	2.1	ng/ul	36829	4	17.47	357694	20.0
Anthracene, 9,10-...	16.56	5.3	ng/ul	95260	4	17.47	357694	20.0
9H-Fluorene, 2-me...	16.77	11.6	ng/ul	206596	4	17.47	357694	20.0
9H-Fluorene, 1-me...	16.92	4.0	ng/ul	71268	4	17.47	357694	20.0
1,1'-Biphenyl, 3-...	17.00	4.2	ng/ul	74935	4	17.47	357694	20.0
Phenol, 4-(2-phen...	17.04	4.0	ng/ul	71632	4	17.47	357694	20.0
9H-Fluoren-9-one	17.12	2.6	ng/ul	46273	4	17.47	357694	20.0
8-Dimethylaminona...	17.20	6.8	ng/ul	120876	4	17.47	357694	20.0
Naphtho[2,3-b]thi...	17.29	18.7	ng/ul	335077	4	17.47	357694	20.0
Dibenzo[a,e]cyclo...	17.99	4.1	ng/ul	72666	4	17.47	357694	20.0
Dibenzothiophene,...	18.05	2.3	ng/ul	41249	4	17.47	357694	20.0