LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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	3.193	56	60	68	rVB	30366	44191	1.05%	0.152%
2	8.093	887	894	901	rBB	53511	90356	2.14%	0.310%
3	10.913	1367	1374	1377	rBV	82796	146261	3.47%	0.502%
4	10.966	1377	1383	1391	rVV	926169	1653334	39.18%	5.677%
5	11.083	1398	1403	1413	rVB	25124	43775	1.04%	0.150%
6	12.564	1647	1655	1662	rBV	640535	1013942	24.03%	3.481%
7	12.781	1680	1692	1701	rVB	298431	502417	11.91%	1.725%
8	13.563	1817	1825	1832	rVB	185434	286737	6.80%	0.984%
9	13.757	1852	1858	1867	rVB	76246	134975	3.20%	0.463%
10	13.892	1870	1881	1882	rBV	104146	173537	4.11%	0.596%
11	14.045	1900	1907	1912	rBV	154209	271898	6.44%	0.934%
12	14.098	1912	1916	1925	rVV2	103257	196448	4.66%	0.674%
13	14.280	1942	1947	1951	rBV	62431	98857	2.34%	0.339%
14	14.421	1965	1971	1972	rBV2	28130	37483	0.89%	0.129%
15	14.450	1972	1976	1982	rVB	51674	81650	1.94%	0.280%
16	14.691	2012	2017	2020	rBV	93076	142765	3.38%	0.490%
17	14.726	2020	2023	2028	rVV2	148077	229867	5.45%	0.789%
18	14.797	2028	2035	2041	rVV	999819	1611352	38.19%	5.532%
19	14.855	2041	2045	2051	rVV	34769	50338	1.19%	0.173%
20	14.926	2051	2057	2067	rVB3	29680	66153	1.57%	0.227%
21	15.038	2067	2076	2080	rBV2	43574	77676	1.84%	0.267%
22	15.126	2084	2091	2098	rVV	673588	1058570	25.09%	3.634%
23	15.190	2098	2102	2110	rVB	36384	54458	1.29%	0.187%
24	15.337	2120	2127	2131	rBV4	26062	46818	1.11%	0.161%
25	15.390	2131	2136	2146	rVB2	30212	45748	1.08%	0.157%
26	15.508	2148	2156	2159	rBV2	23345	43617	1.03%	0.150%
27	15.684	2182	2186	2188	rVV2	24395	35590	0.84%	0.122%
28	15.713	2188	2191	2195	rVV	35446	54200	1.28%	0.186%
29	15.772	2195	2201	2209	rVV	929632	1483739	35.17%	5.094%
30	15.866	2209	2217	2219	rVV3	49950	84423	2.00%	0.290%
31	15.895	2219	2222	2225	rVV	82477	127926	3.03%	0.439%
32	15.931	2225	2228	2233	rVV2	143658	224438	5.32%	0.771%
33	15.978	2233	2236	2239	rVV2	31624	49155	1.16%	0.169%
34	16.019	2239	2243	2246	rVV	71556	113301	2.69%	0.389%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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	16.060	2246	2250	2260	rVV	147505	234955	5.57%	0.807%
36	16.207	2260	2275	2283	rVV	156583	348054	8.25%	1.195%
37	16.301	2283	2291	2297	rVV3	28523	56327	1.33%	0.193%
38	16.559	2326	2335	2342	rBV	100557	157088	3.72%	0.539%
39	16.771	2360	2371	2376	rBV2	124912	276123	6.54%	0.948%
40	16.818	2376	2379	2385	rBV2	41082	58433	1.38%	0.201%
41	16.924	2390	2397	2401	rVB3	50302	93408	2.21%	0.321%
42	16.994	2401	2409	2412	rBV2	42953	92333	2.19%	0.317%
43	17.035	2412	2416	2420	rVB2	39440	54479	1.29%	0.187%
44	17.200	2438	2444	2446	rBV	54635	102042	2.42%	0.350%
45	17.288	2454	2459	2474	rVB	203778	330209	7.83%	1.134%
46	17.476	2484	2491	2493	rBV	207868	337499	8.00%	1.159%
47	17.523	2493	2499	2504	rVV	2481022	4219321	100.00%	14.486%
48	17.570	2504	2507	2509	rVV2	74398	103855	2.46%	0.357%
49	17.605	2509	2513	2518	rVV	240931	355816	8.43%	1.222%
50	17.652	2518	2521	2527	rVV4	22477	45410	1.08%	0.156%
51	17.870	2552	2558	2568	rVV	129145	242540	5.75%	0.833%
52	17.987	2574	2578	2585	rBV2	47548	77315	1.83%	0.265%
53	18.046	2585	2588	2598	rVB5	20028	42862	1.02%	0.147%
54	18.193	2607	2613	2621	rVB2	22154	48901	1.16%	0.168%
55	18.346	2634	2639	2643	rBV	221731	320719	7.60%	1.101%
56	18.392	2643	2647	2653	rVB	307287	434630	10.30%	1.492%
57	18.475	2653	2661	2666	rBV	100660	162544	3.85%	0.558%
58	18.545	2666	2673	2677	rBV2	375286	679712	16.11%	2.334%
59	18.839	2718	2723	2728	rBV	164973	229014	5.43%	0.786%
60	19.080	2760	2764	2768	rBV	39516	51226	1.21%	0.176%
61	19.133	2768	2773	2776	rBV	32199	39319	0.93%	0.135%
62	19.250	2788	2793	2799	rBV	66393	124162	2.94%	0.426%
63	19.321	2799	2805	2807	rBV3	34907	56842	1.35%	0.195%
64	19.391	2813	2817	2826	rVB2	24640	59509	1.41%	0.204%
65	19.521	2832	2839	2845	rBV	1590782	2413842	57.21%	8.288%
66	19.615	2851	2855	2859	rVV2	34594	47137	1.12%	0.162%
67	19.761	2874	2880	2889	rVB2	53177	103748	2.46%	0.356%
68	19.850	2889	2895	2897	rBV3	363576	570714	13.53%	1.959%
69	19.885	2897	2901	2908	rVV	1021624	1535849	36.40%	5.273%
70	19.944	2908	2911	2918	rVB3	65850	103889	2.46%	0.357%
71	20.055	2923	2930	2935	rVB	68550	104232	2.47%	0.358%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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	20.190	2948	2953	2960	rBV3	69929	181232	4.30%	0.622%
73	20.255	2960	2964	2969	rVB	32562	40297	0.96%	0.138%
74	20.337	2969	2978	2979	rBV4	41804	80715	1.91%	0.277%
75	20.367	2979	2983	2989	rVB	232989	337816	8.01%	1.160%
76	20.467	2994	3000	3004	rBV	273638	381884	9.05%	1.311%
77	20.525	3004	3010	3014	rVV2	73152	146351	3.47%	0.502%
78	20.561	3014	3016	3020	rVV	44587	53649	1.27%	0.184%
79	20.602	3020	3023	3029	rVB2	24811	38396	0.91%	0.132%
80	20.666	3029	3034	3037	rBV	33551	48420	1.15%	0.166%
81	20.713	3037	3042	3046	rVB2	33792	41890	0.99%	0.144%
82	20.895	3068	3073	3077	rBV2	39759	58919	1.40%	0.202%
83	20.995	3087	3090	3101	rVB4	26627	57636	1.37%	0.198%
84	21.089	3101	3106	3111	rBV3	29502	62473	1.48%	0.214%
85	21.318	3138	3145	3149	rBV	60597	97713	2.32%	0.335%
86	21.360	3149	3152	3157	rVV	59030	94960	2.25%	0.326%
87	21.418	3157	3162	3166	rVV2	48946	92219	2.19%	0.317%
88	21.601	3186	3193	3201	rBV2	17677	43385	1.03%	0.149%
89	21.730	3203	3215	3222	rVV3	384133	1056017	25.03%	3.626%
90	21.794	3222	3226	3236	rVB	208871	360006	8.53%	1.236%
91	21.947	3247	3252	3258	rBV	50382	81505	1.93%	0.280%
92	22.159	3282	3288	3295	rVV2	31432	65583	1.55%	0.225%
93	22.482	3335	3343	3349	rVV	30748	77748	1.84%	0.267%
94	22.558	3349	3356	3362	rVB4	15800	35695	0.85%	0.123%
95	22.811	3395	3399	3408	rVB4	22661	44927	1.06%	0.154%
96	23.980	3588	3598	3605	rBV2	59157	199632	4.73%	0.685%
97	24.709	3713	3722	3729	rBV	23651	67347	1.60%	0.231%
98	24.785	3729	3735	3741	rVV2	23432	59067	1.40%	0.203%
99	24.856	3741	3747	3755	rVB	34375	84493	2.00%	0.290%
100	25.020	3763	3775	3784	rBV2	157975	445907	10.57%	1.531%

Sum of corrected areas: 29125935

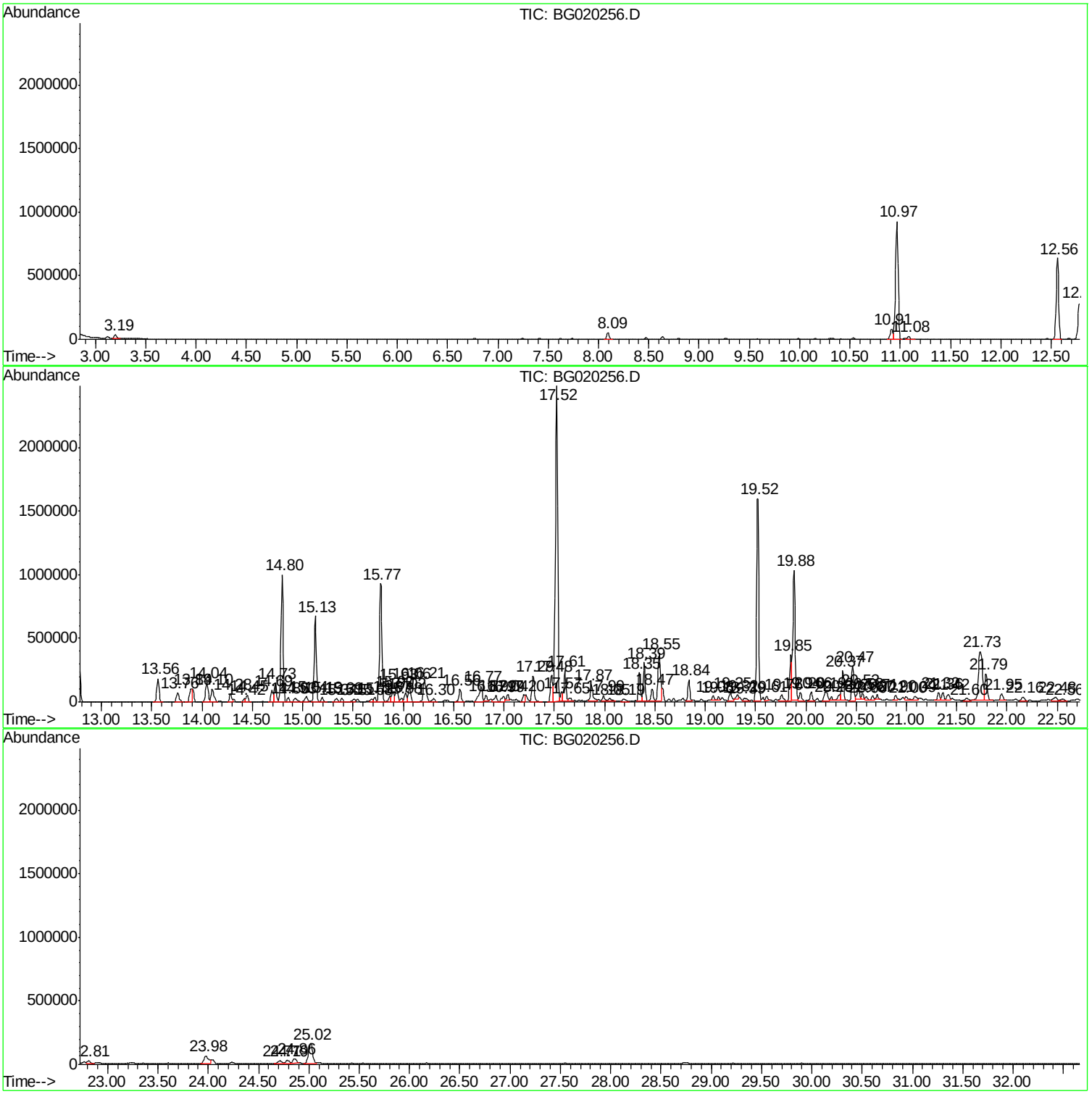
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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

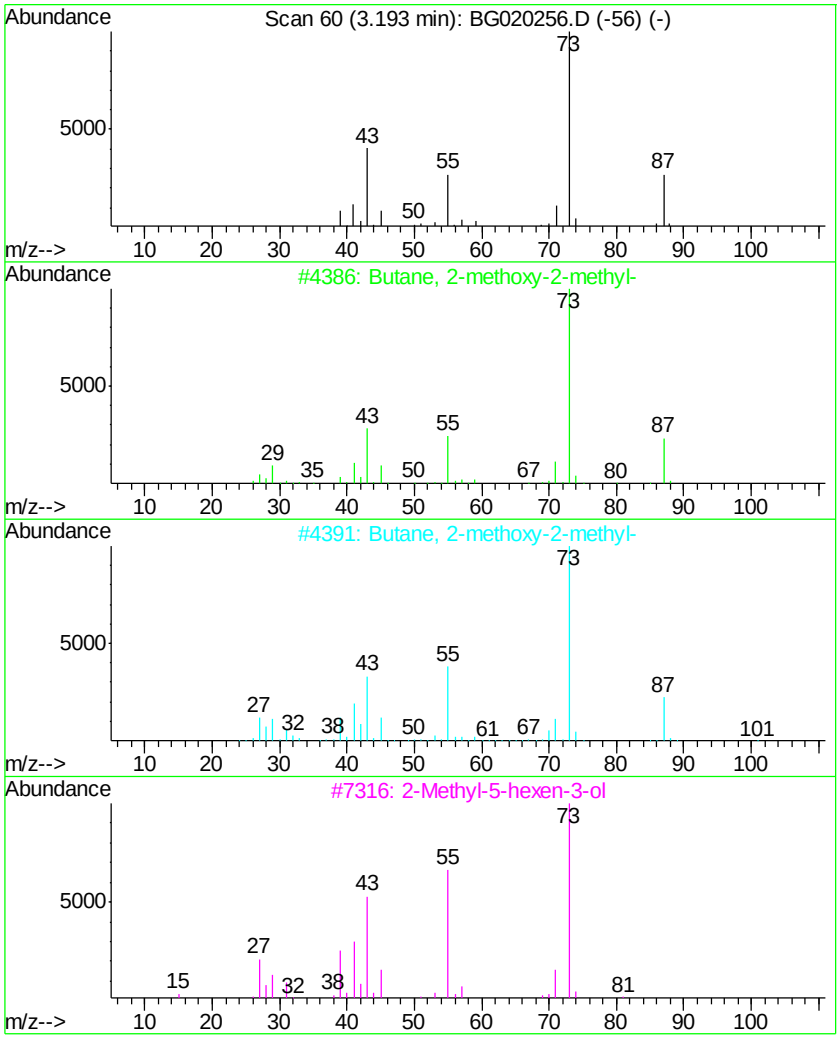
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

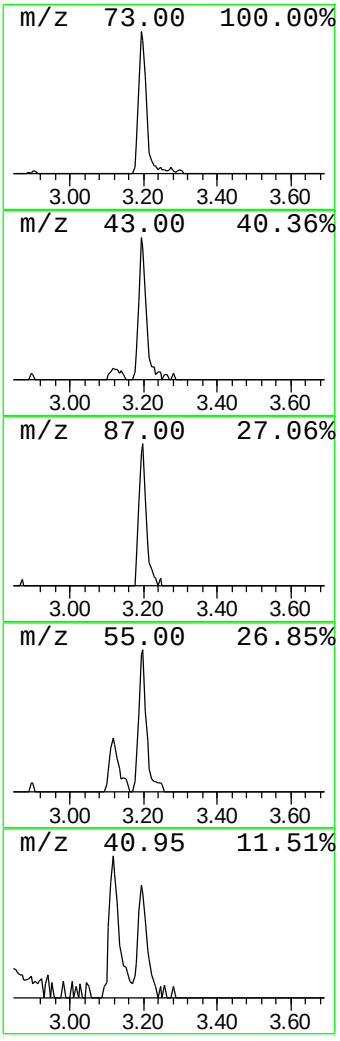
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	9.78 ng/ul	44191	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	32
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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

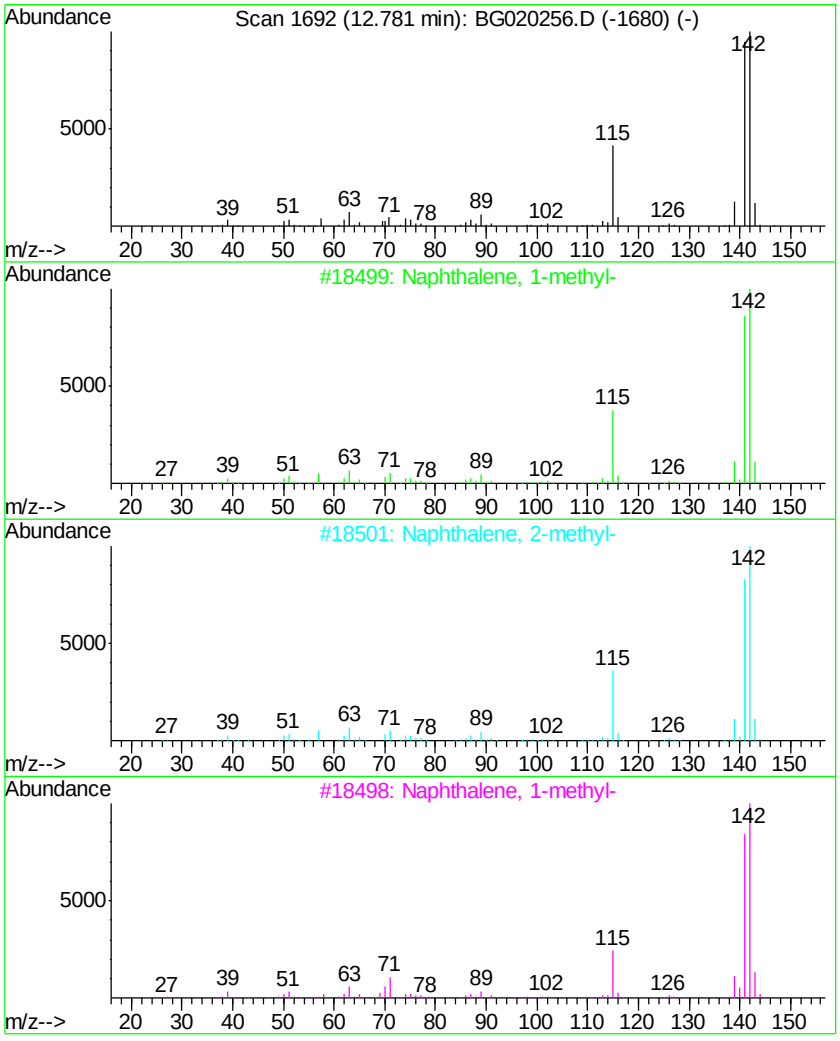
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

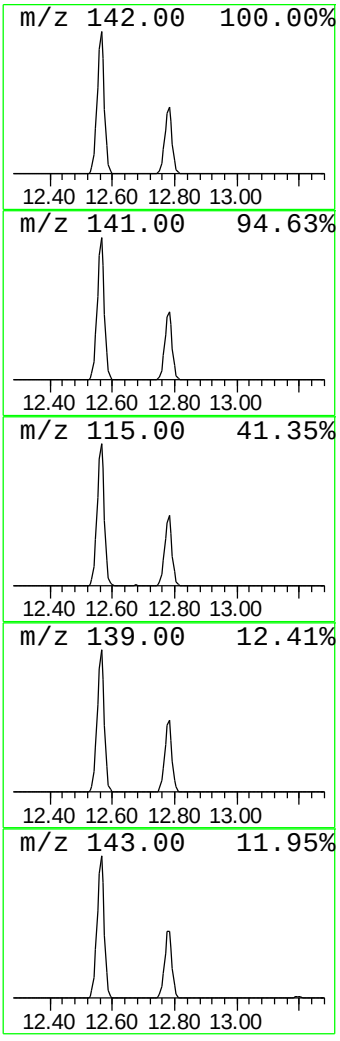
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	68.70 ng/ul	502417	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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

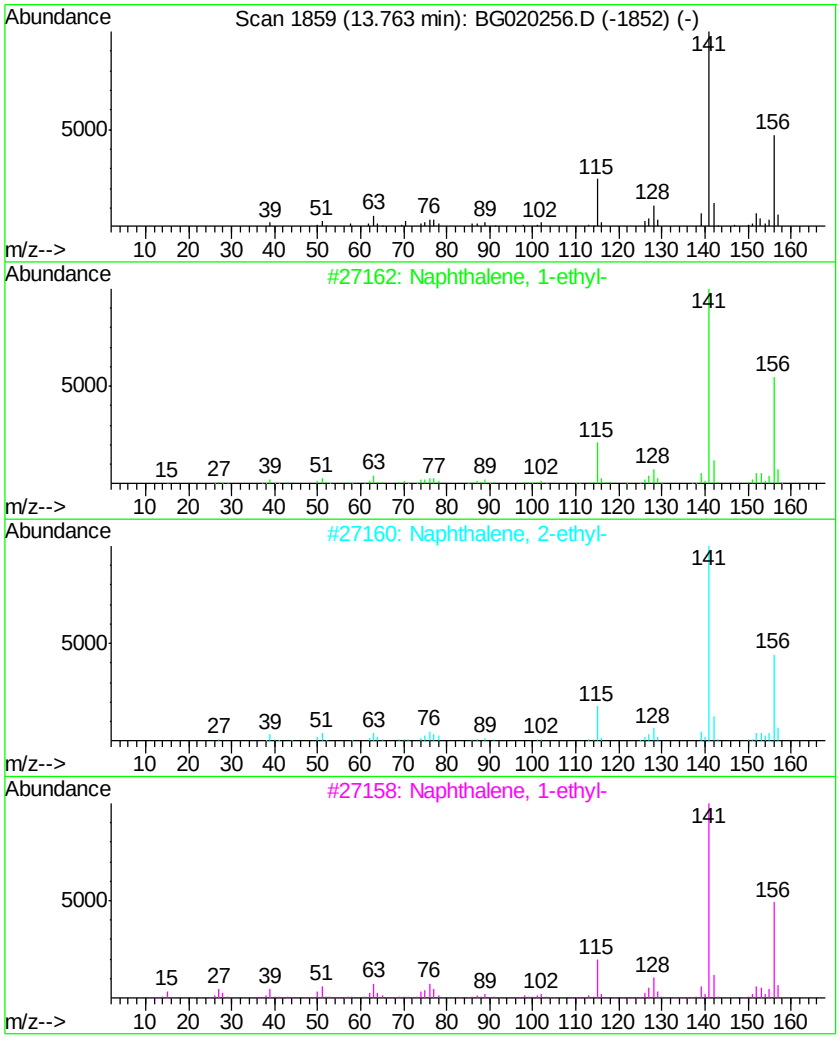
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

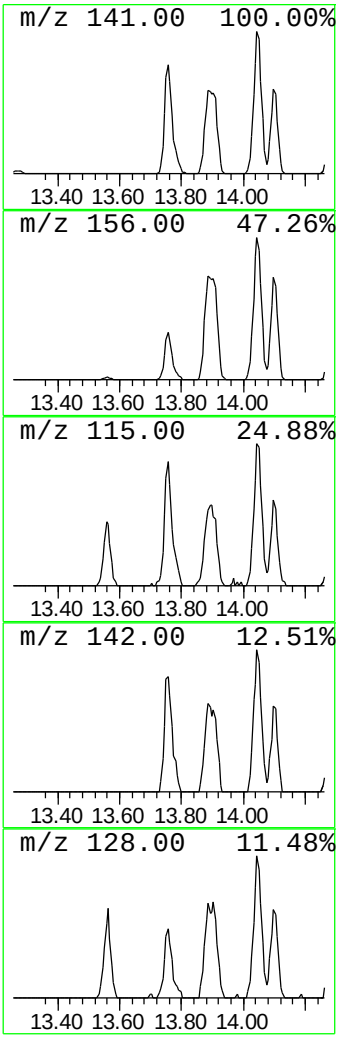
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	11.74 ng/ul	134975	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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

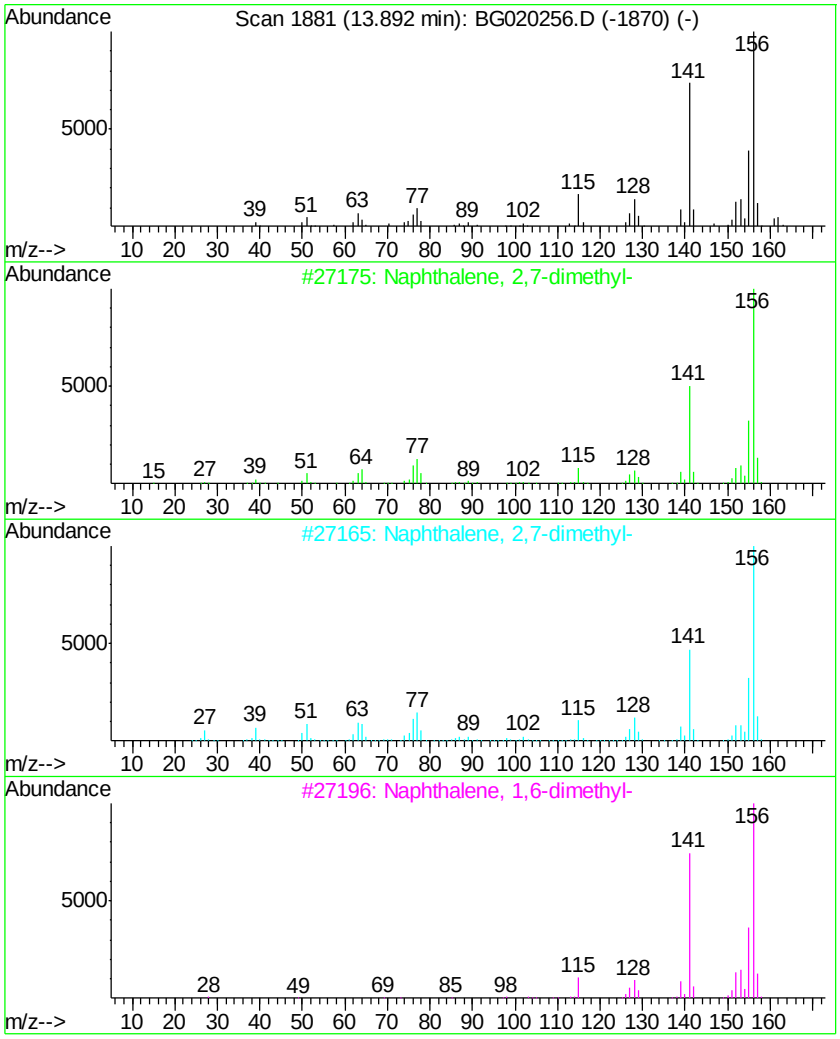
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

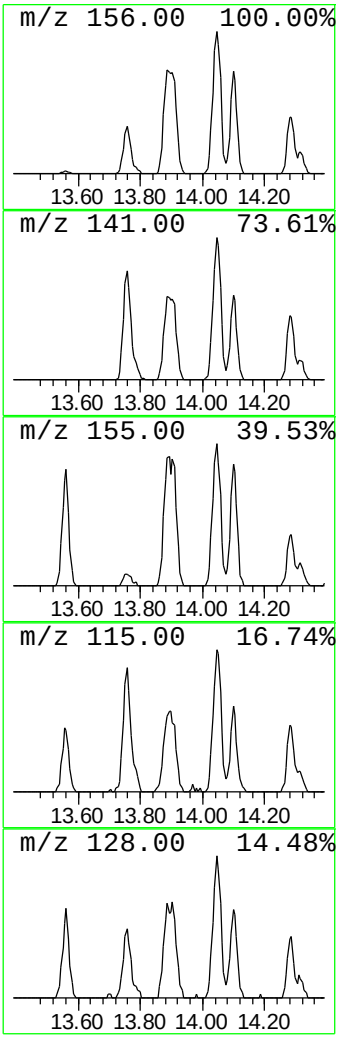
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	15.10 ng/ul	173537	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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

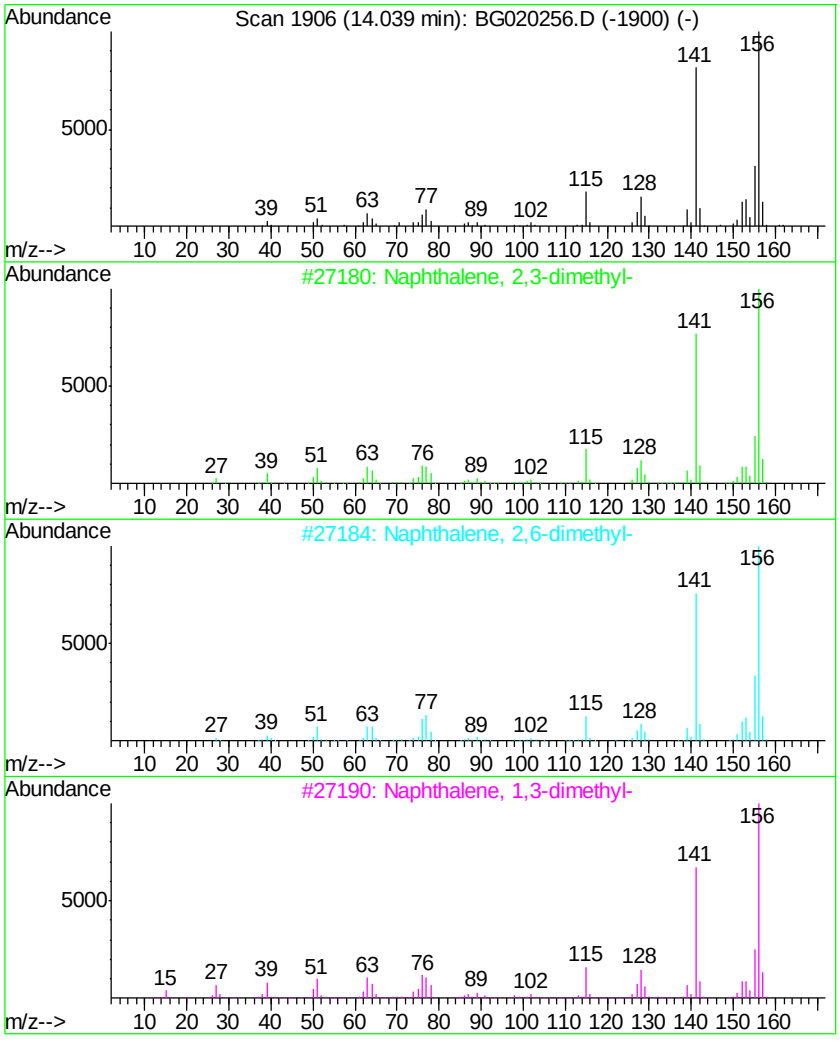
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

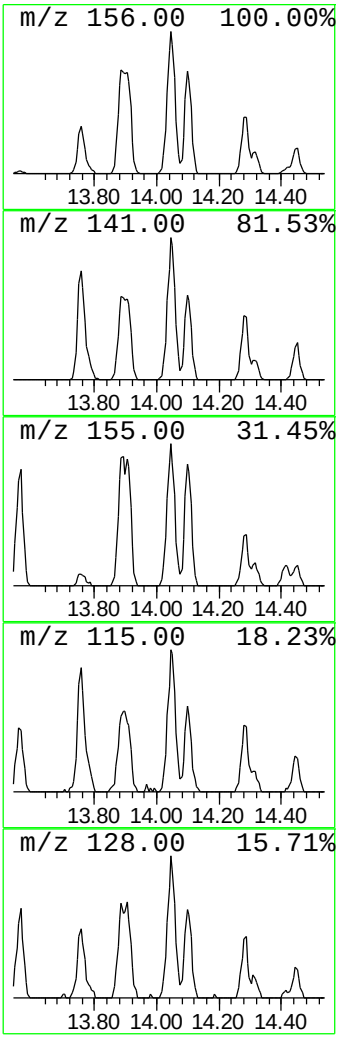
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	23.66 ng/ul	271898	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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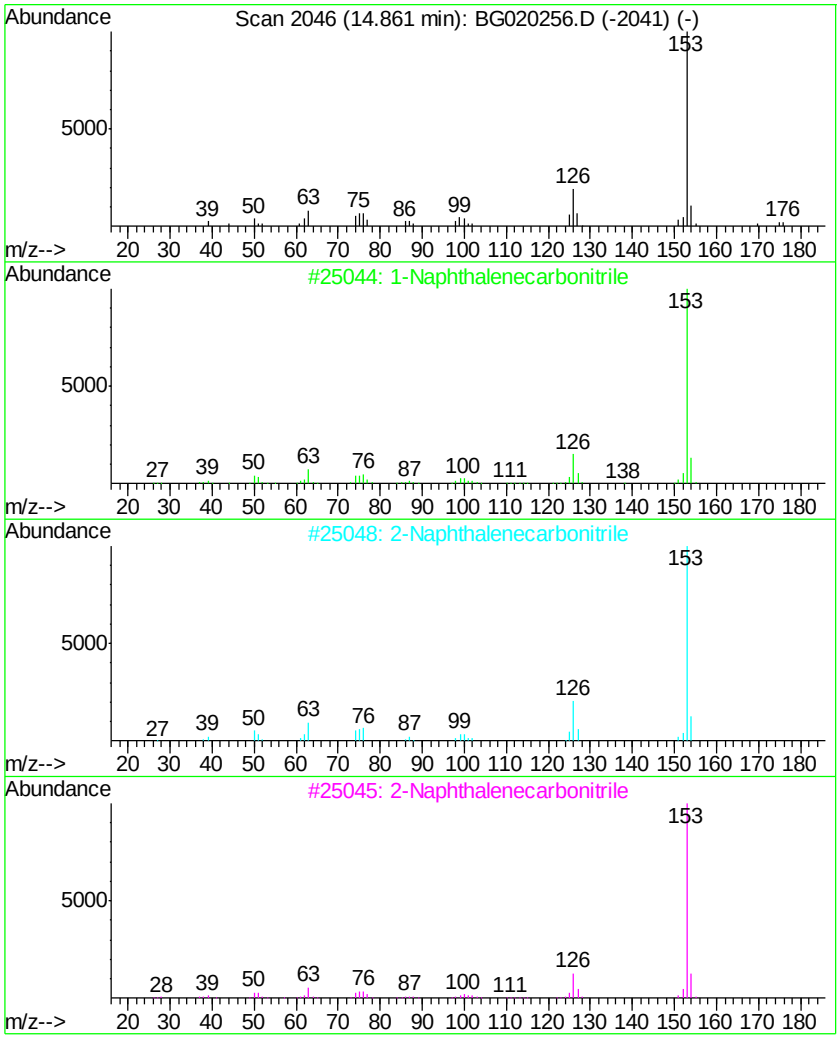
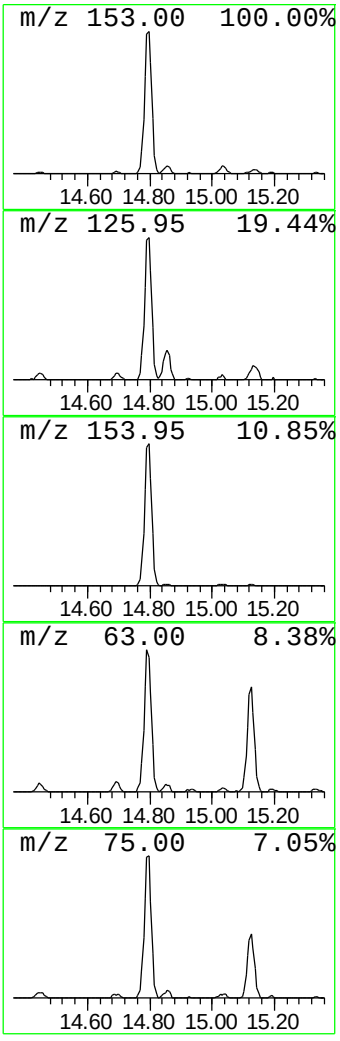
Peak Number 7 1-Naphthalenecarbonitrile Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	4.38 ng/ul	50338	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





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ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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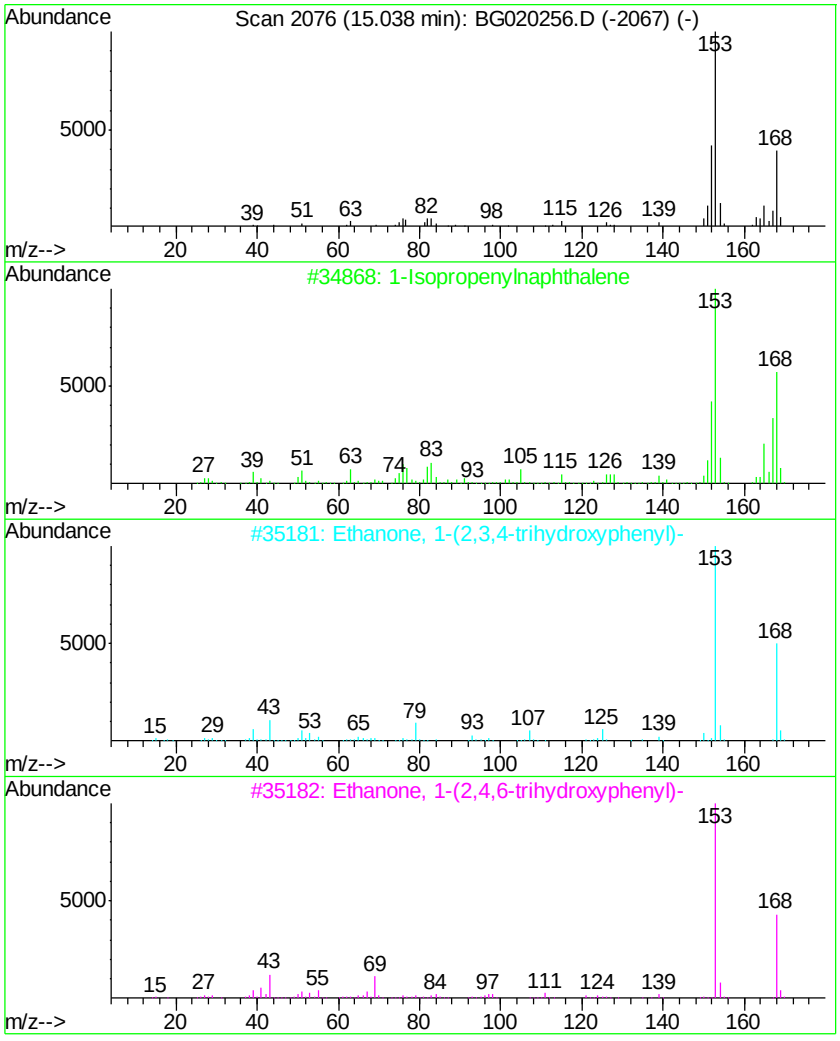
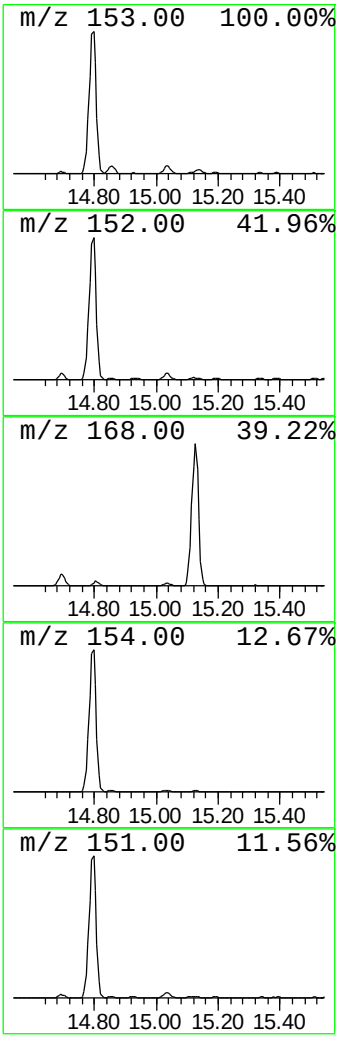
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	6.76 ng/ul	77676	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47





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ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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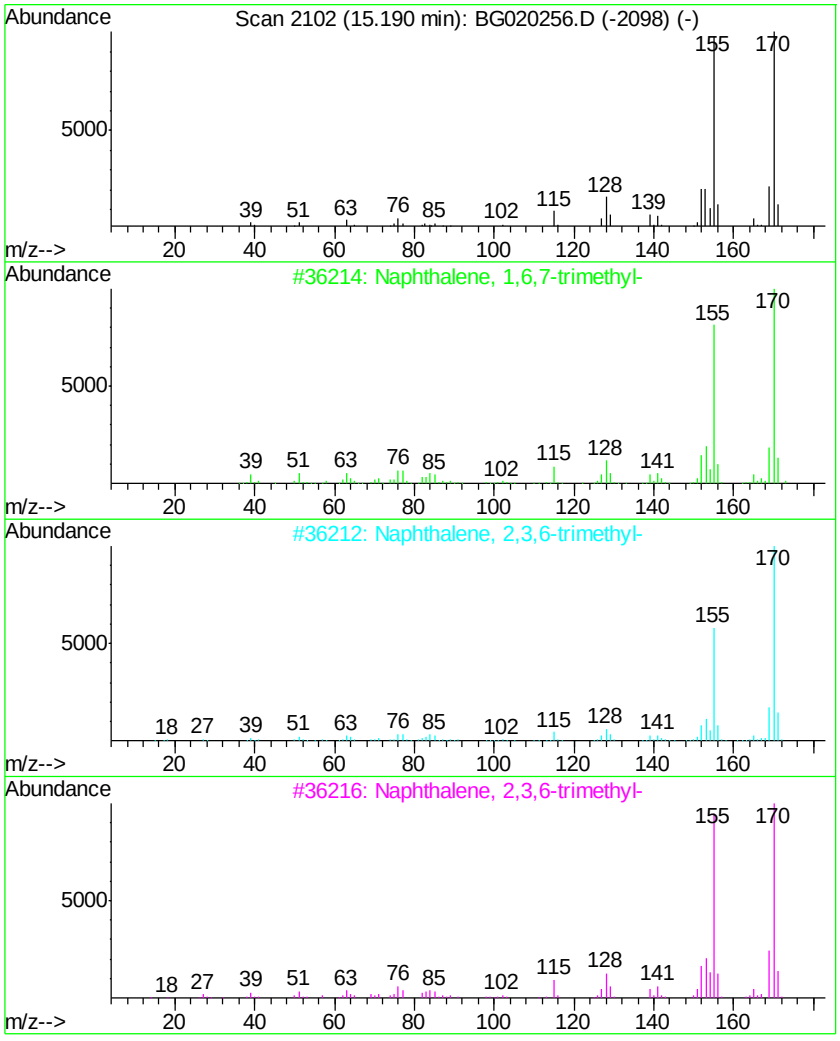
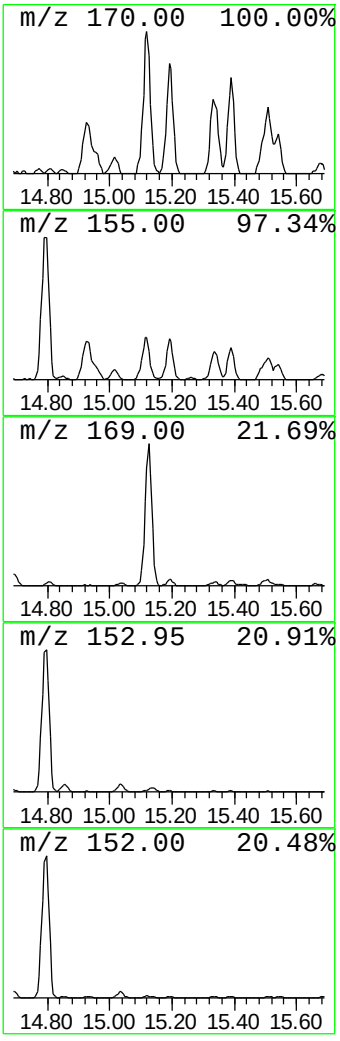
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.74 ng/ul	54458	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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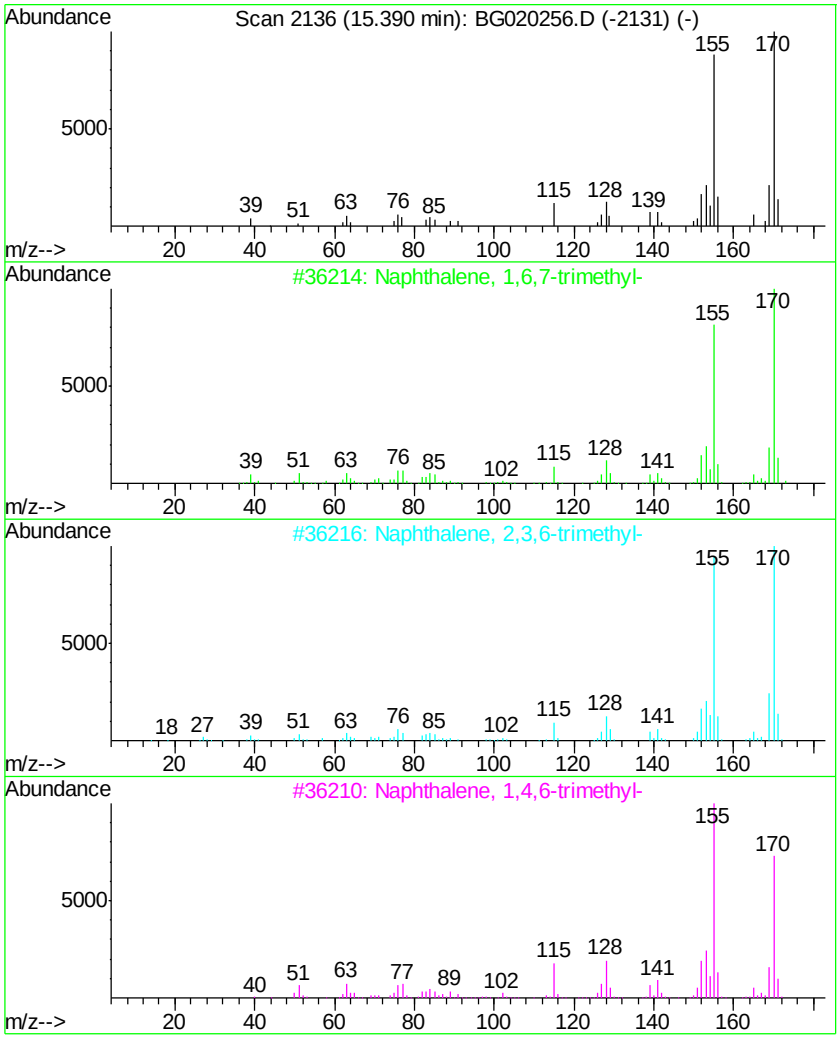
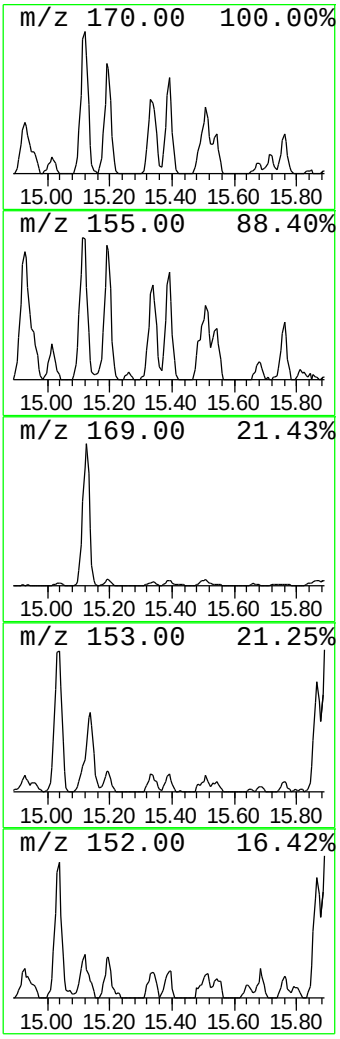
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	3.98 ng/ul	45748	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Quant Title : SVOA CALIBRATION

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

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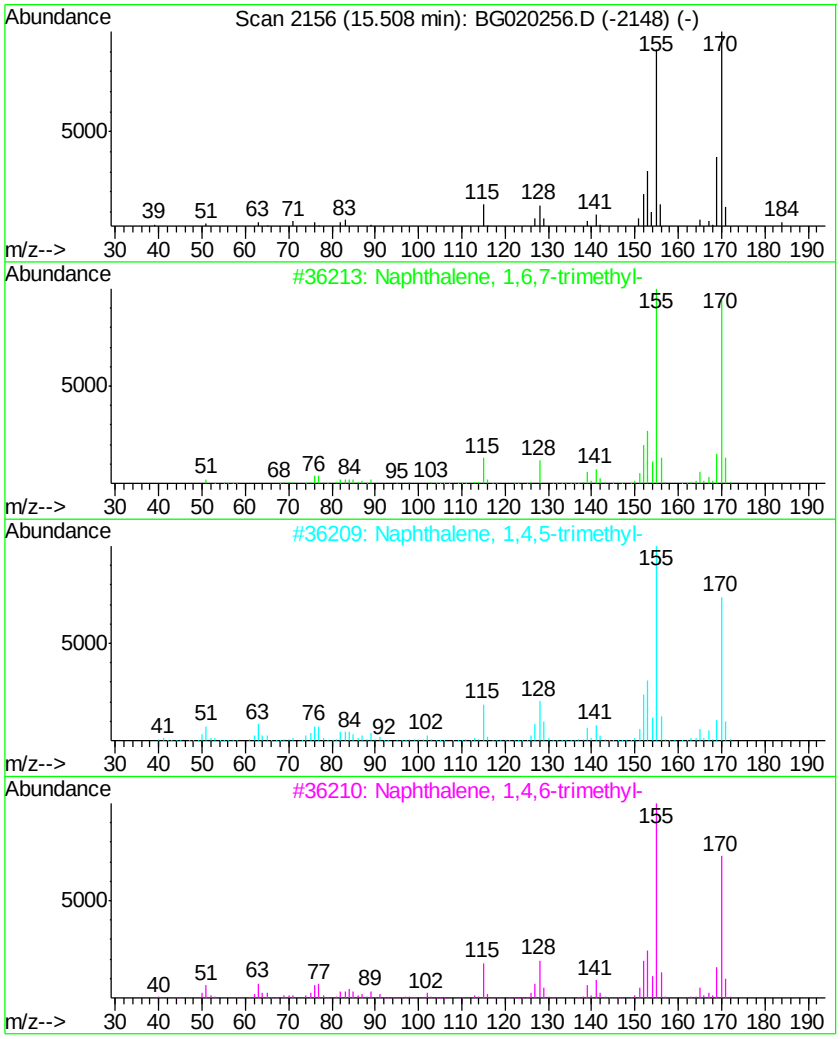
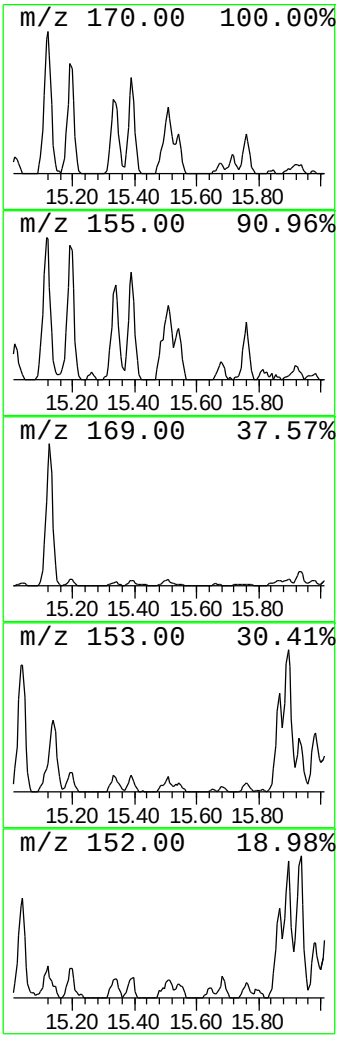
Peak Number 12 Naphthalene, 1,4,5-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	3.79 ng/ul	43617	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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ALS Vial : 9 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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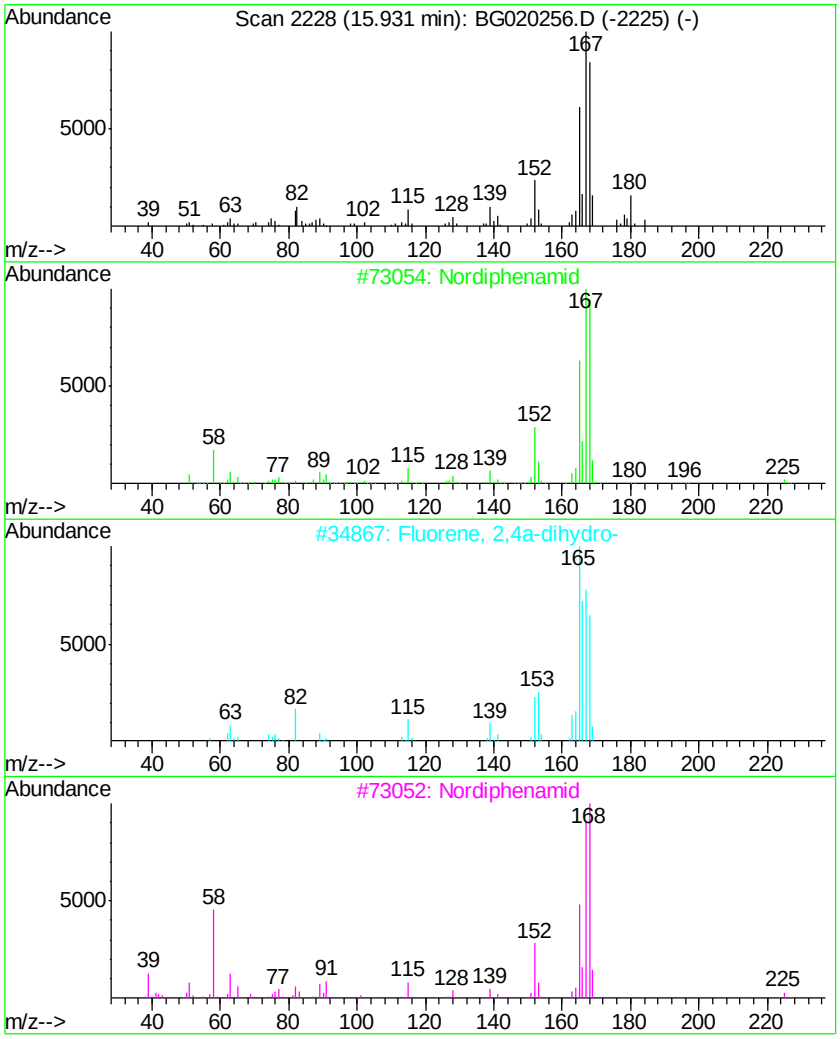
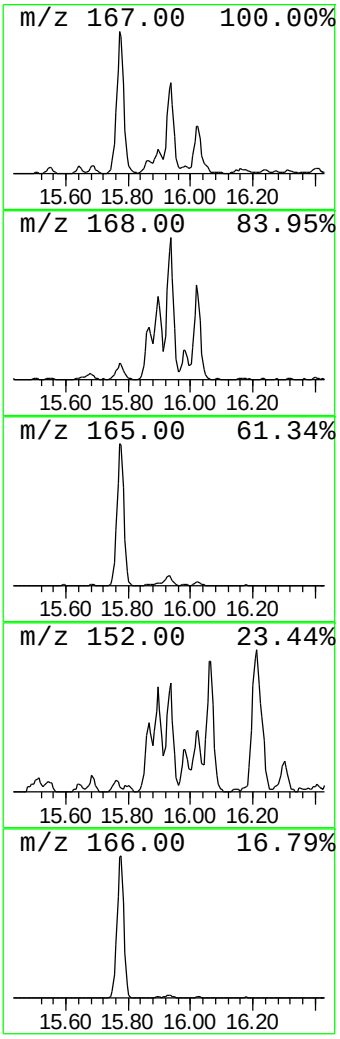
Peak Number 14 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	19.53 ng/ul	224438	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	76
3	Nordiphenamid	225	C15H15NO	000954-21-2	72
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
5	Diphenylmethane	168	C13H12	000101-81-5	68





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Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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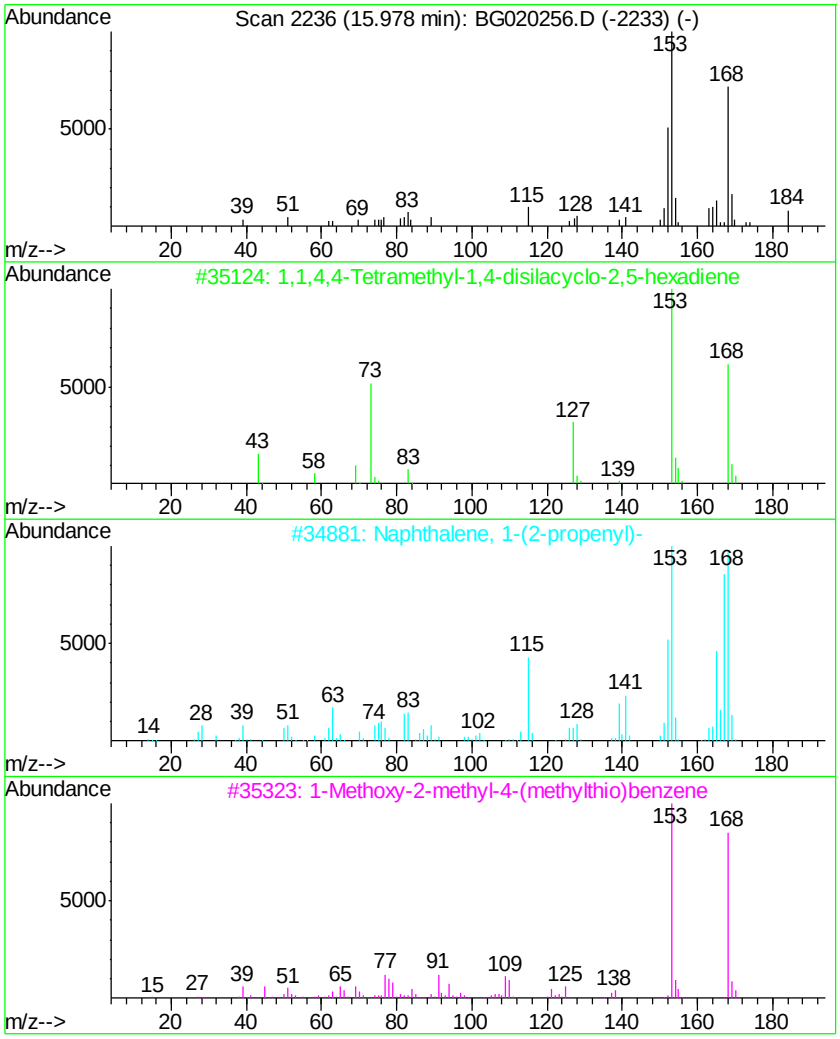
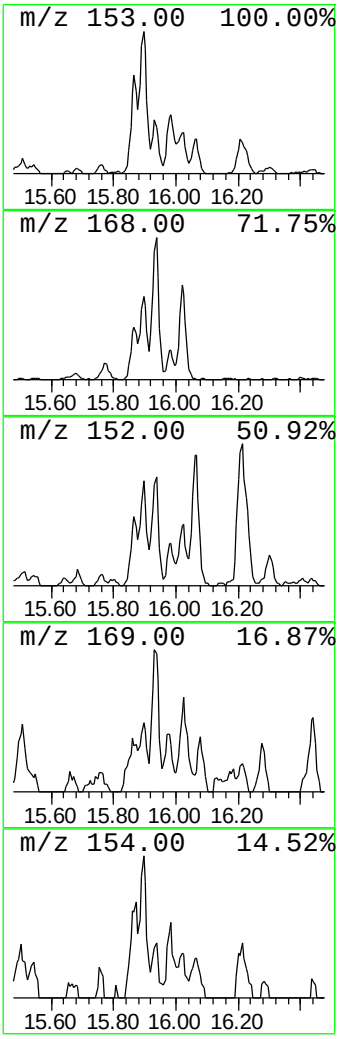
Peak Number 15 1,1,4,4-Tetramethyl-1,4-dis... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	4.28 ng/ul	49155	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	52
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
3	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	42
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	35





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Sample : G4767-12DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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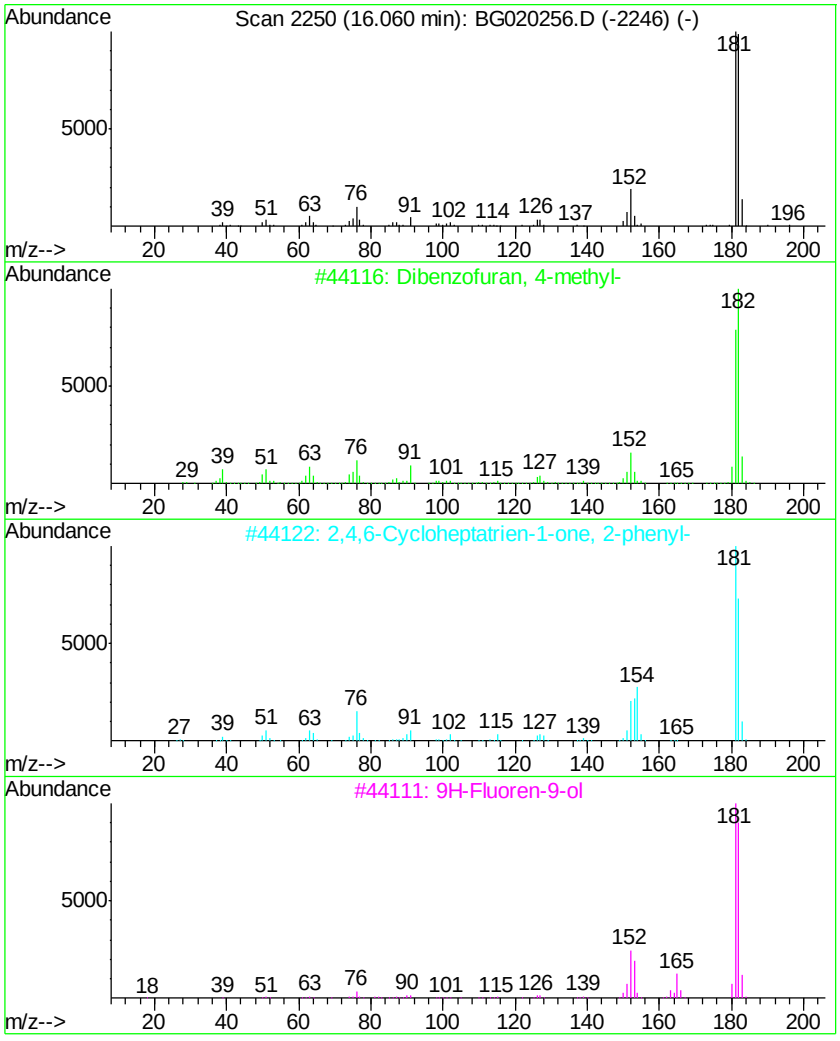
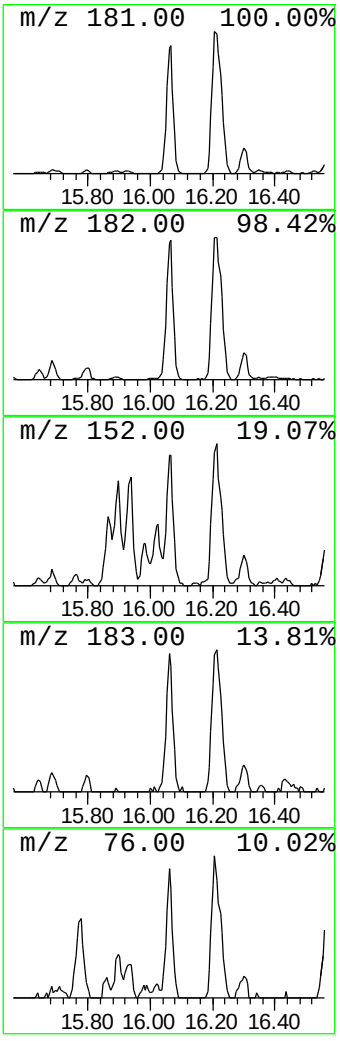
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	20.44 ng/ul	234955	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Quant Title : SVOA CALIBRATION

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

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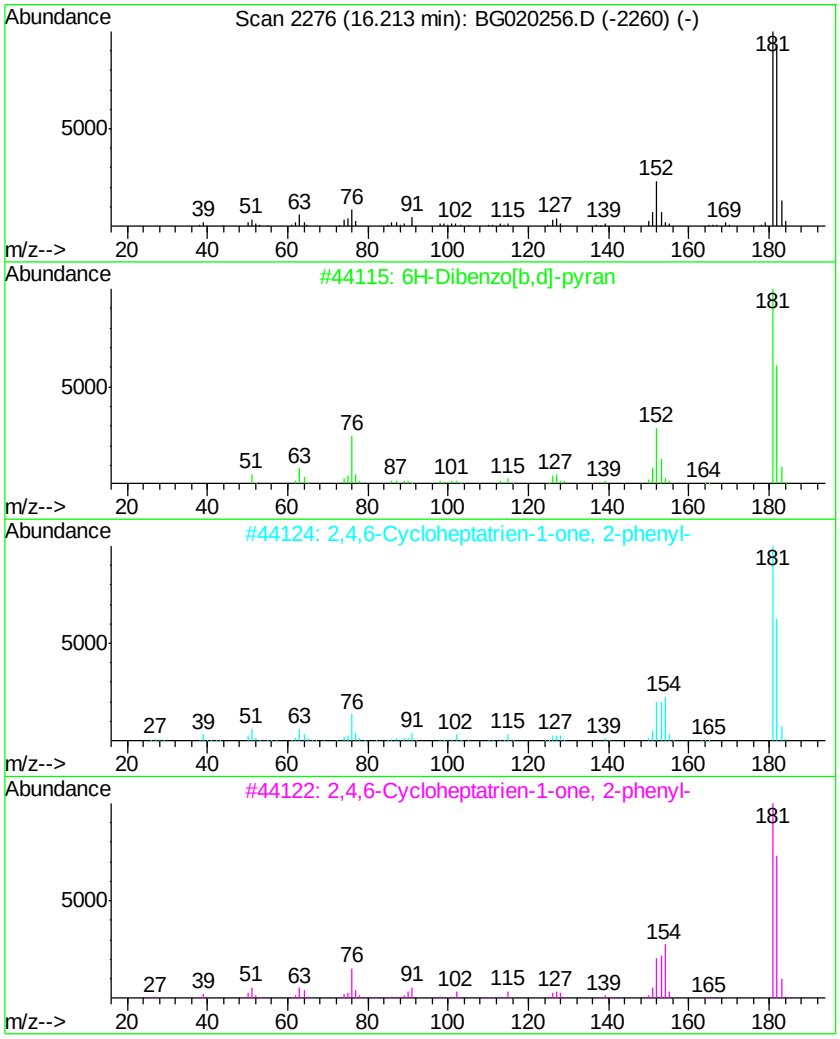
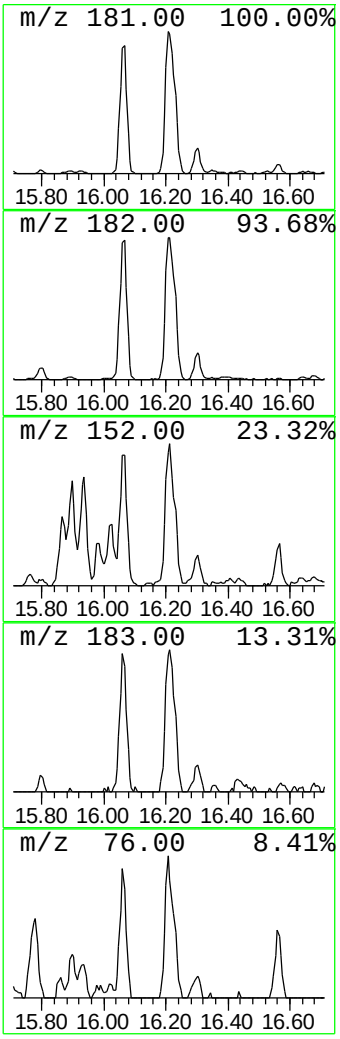
Peak Number 18 6H-Dibenzo[b,d]-pyran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	20.63 ng/ul	348054	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N34DL

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Quant Title : SVOA CALIBRATION

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

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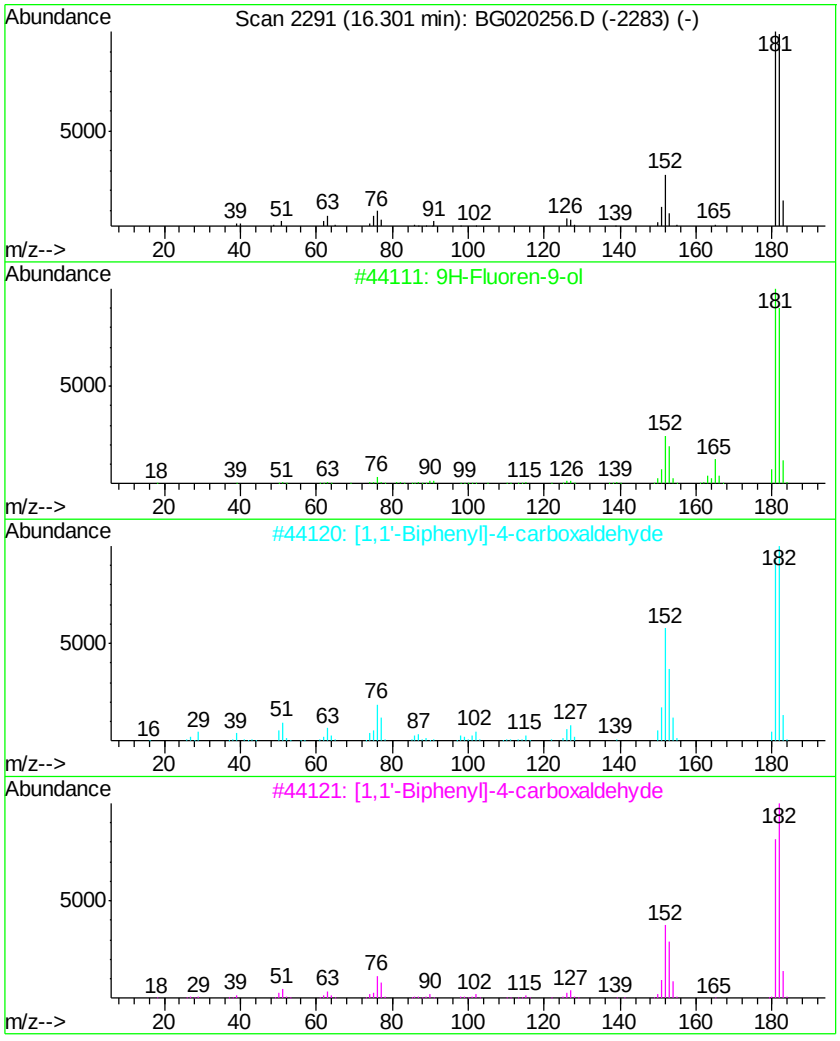
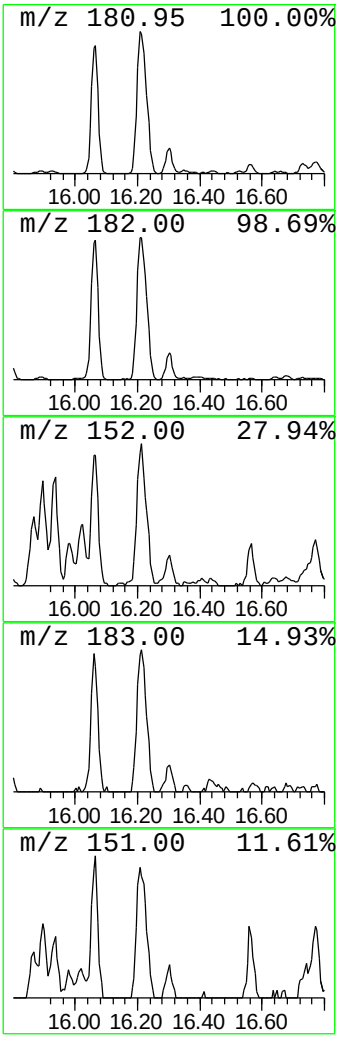
Peak Number 19 9H-Fluoren-9-ol Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	3.34 ng/ul	56327	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Quant Title : SVOA CALIBRATION

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

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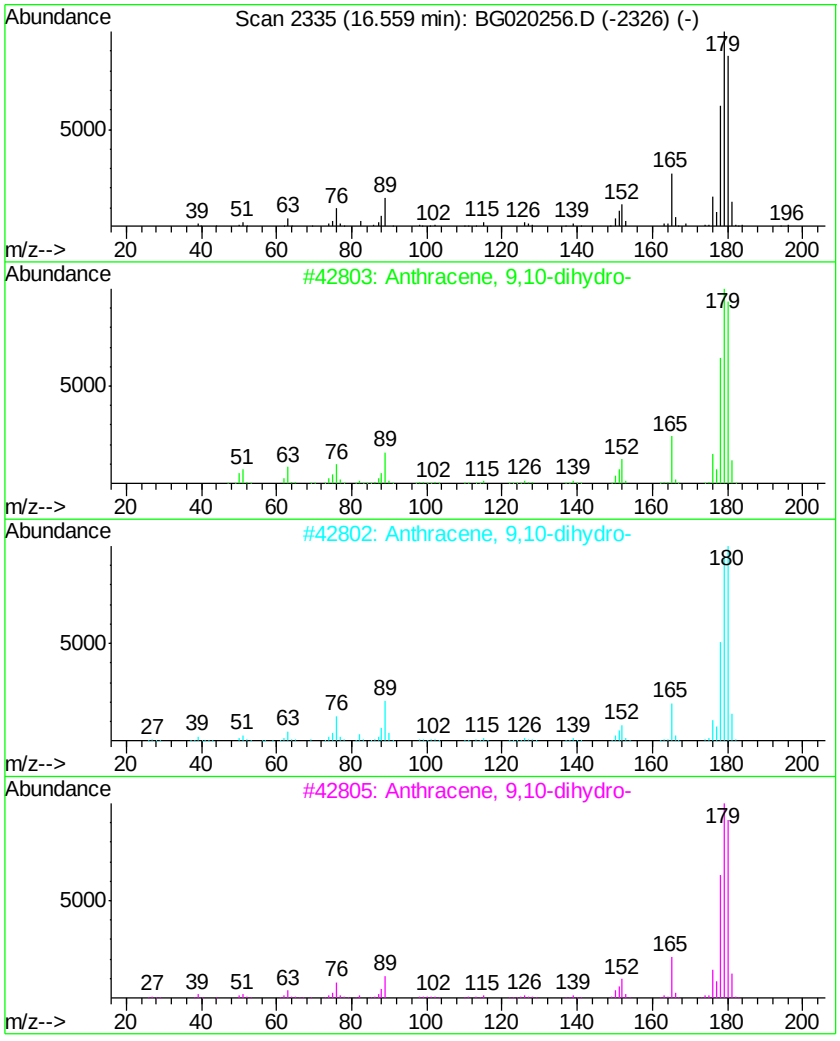
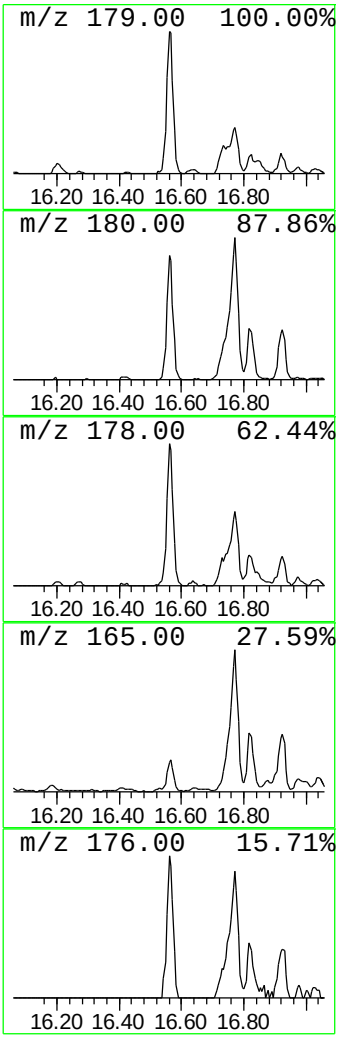
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	9.31 ng/ul	157088	Phenanthrene-d10	17.48

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	95
4	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	90





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Instrument : BNA_G
ClientSampleId : D9N34DL

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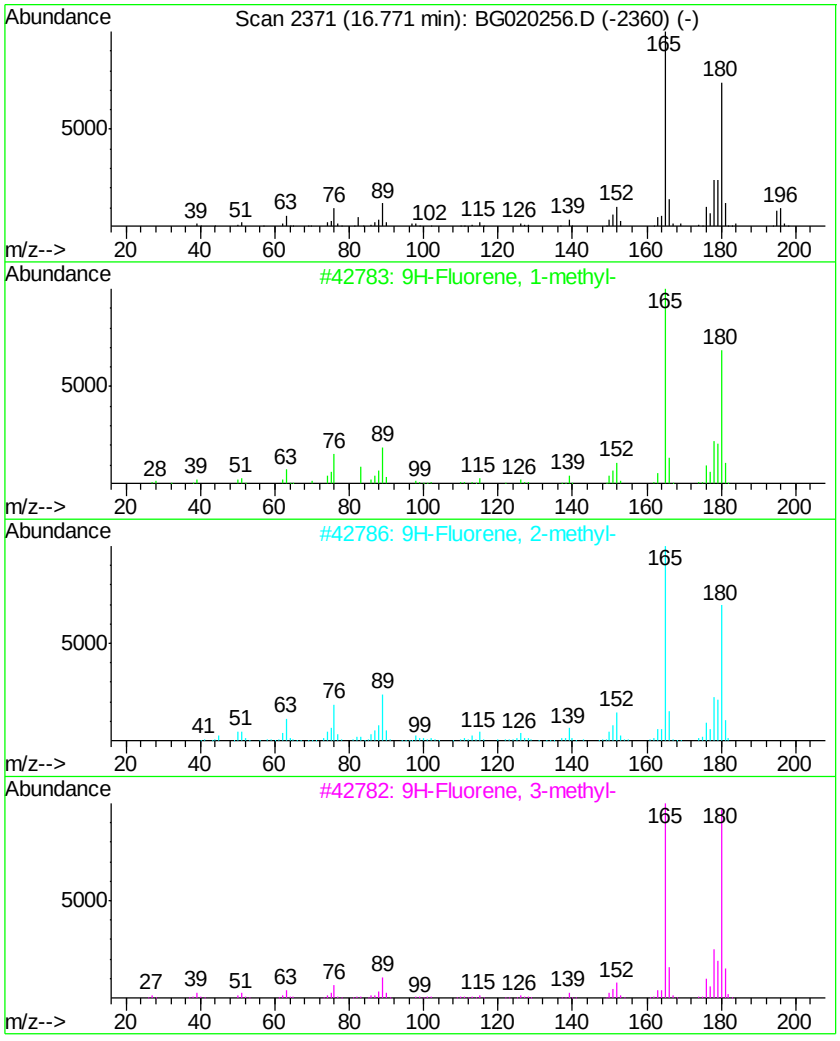
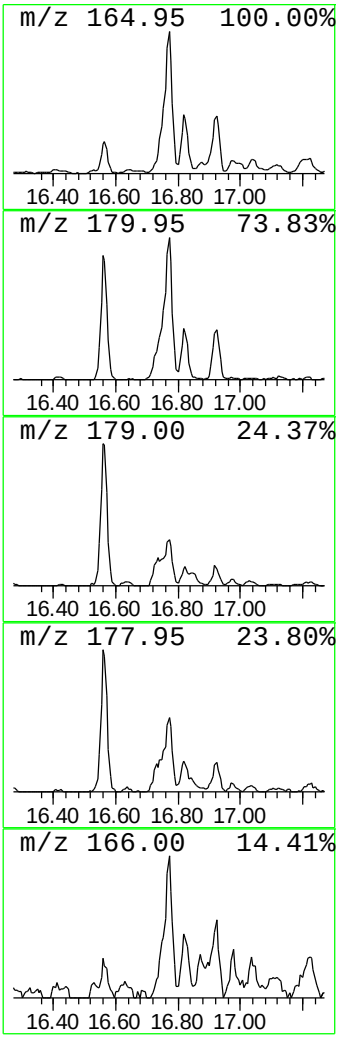
Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	16.36 ng/ul	276123	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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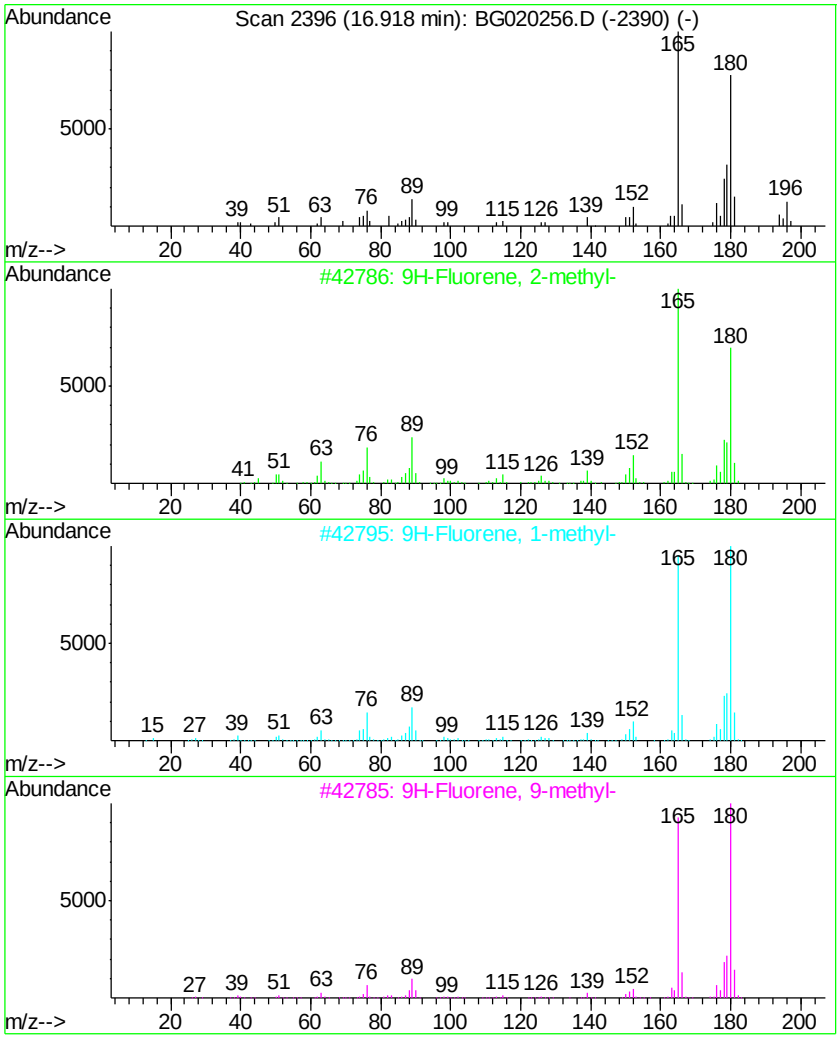
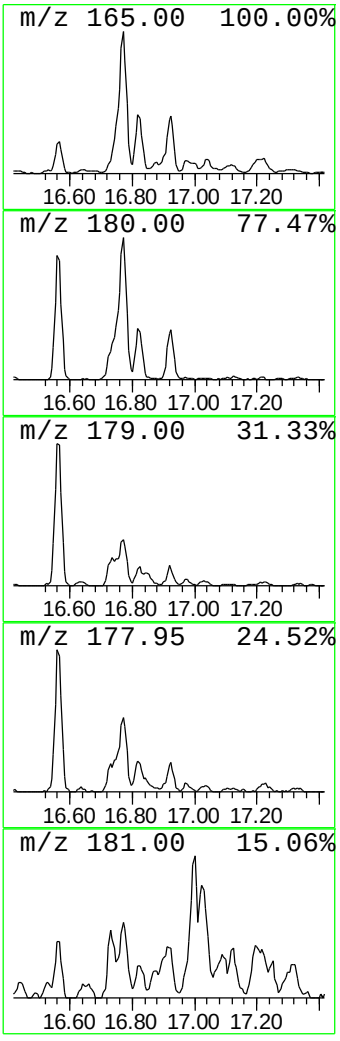
Peak Number 23 9H-Fluorene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	5.54 ng/ul	93408	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91





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Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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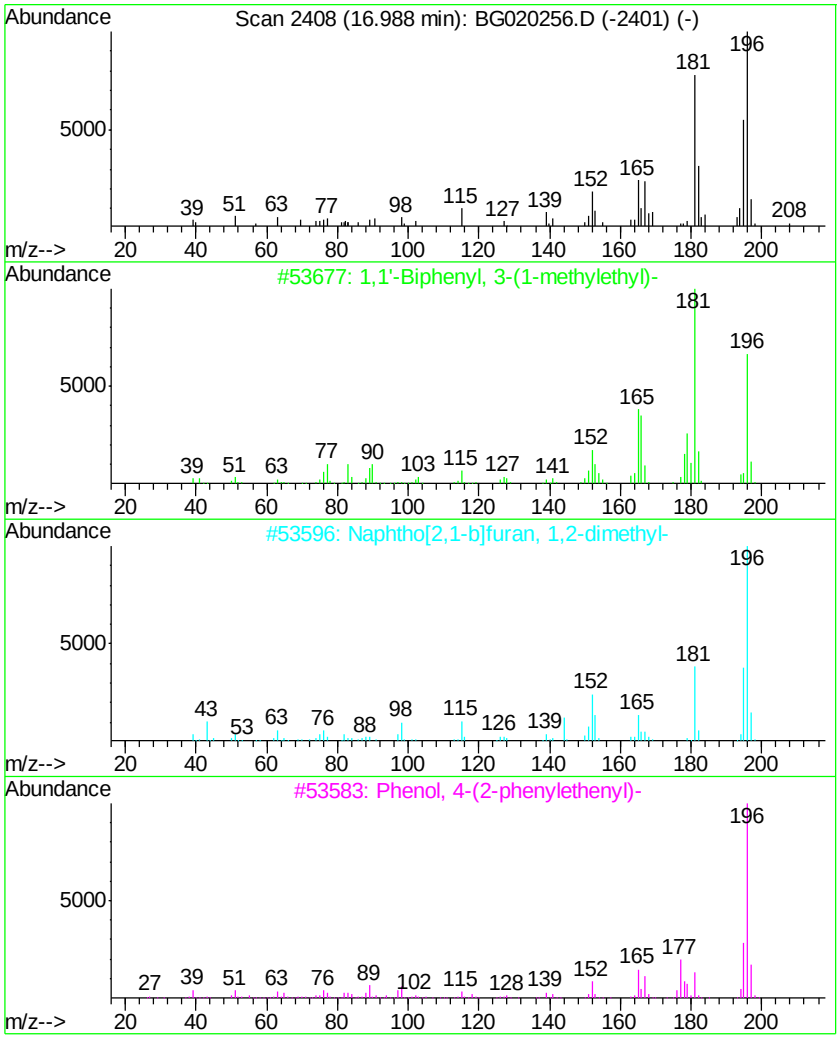
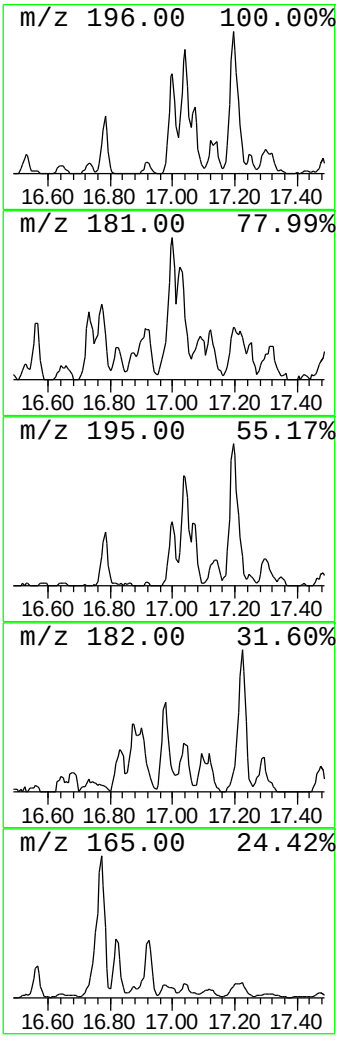
Peak Number 24 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	5.47 ng/ul	92333	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	64
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58





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Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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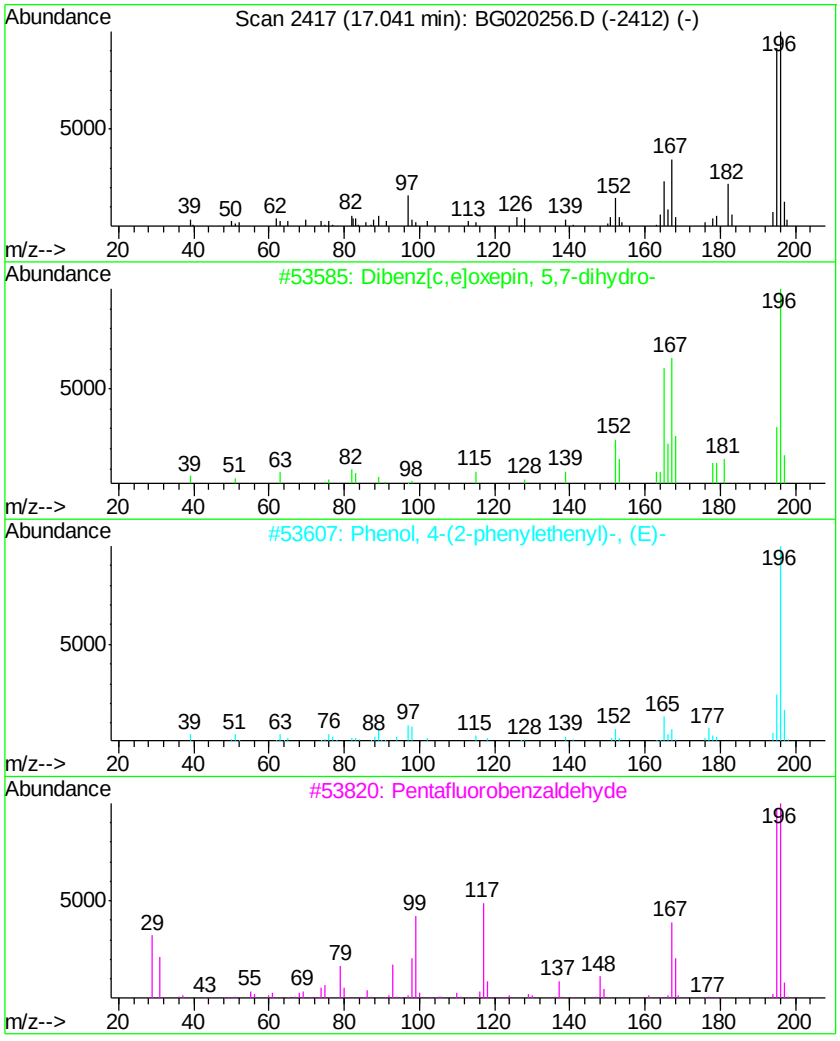
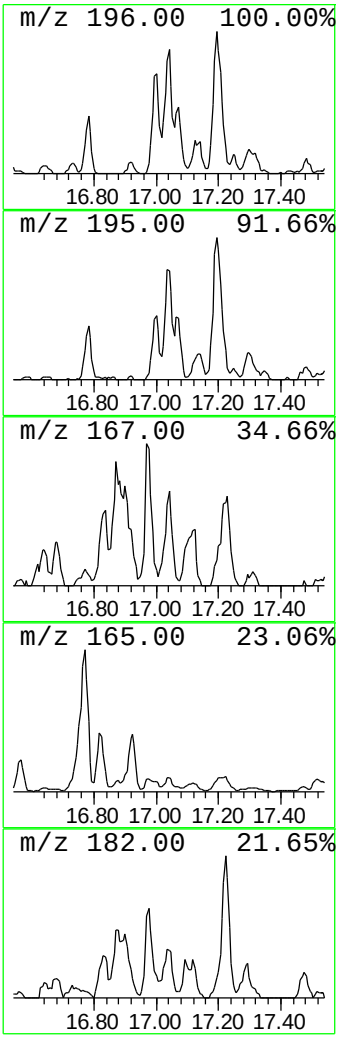
Peak Number 25 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	3.23 ng/ul	54479	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	78
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	55
3	Pentafluorobenzaldehyde	196	C7HF5O	000653-37-2	53
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	46
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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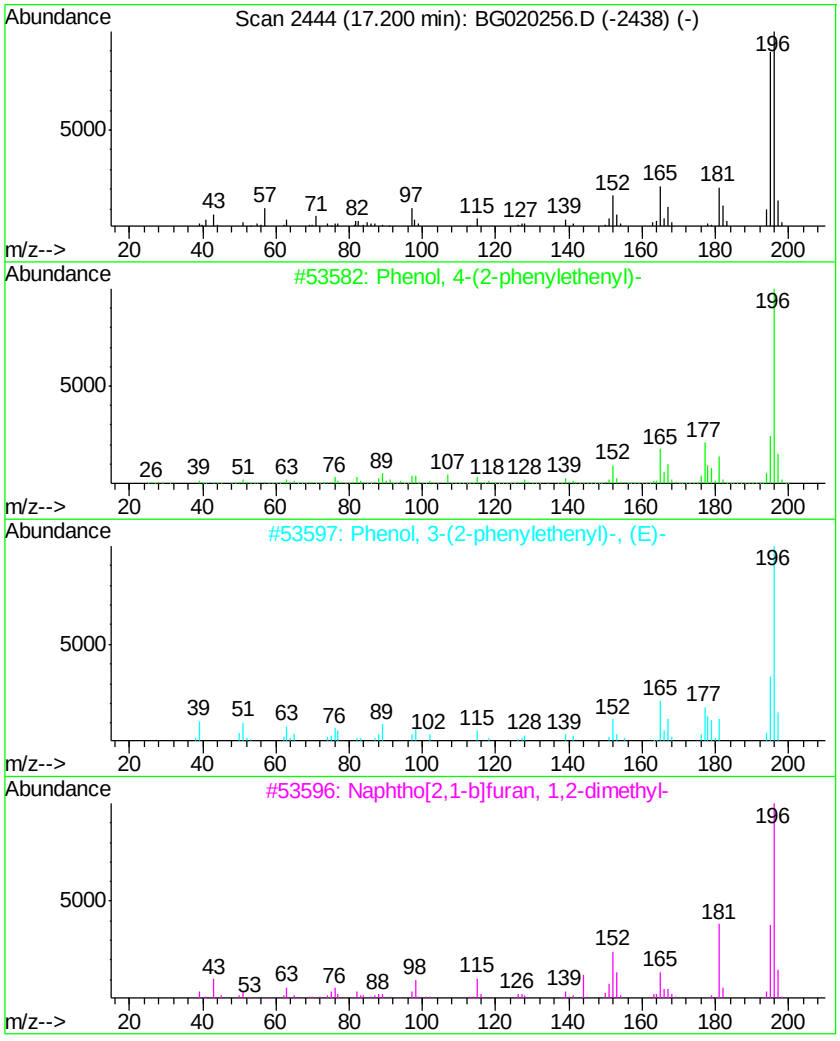
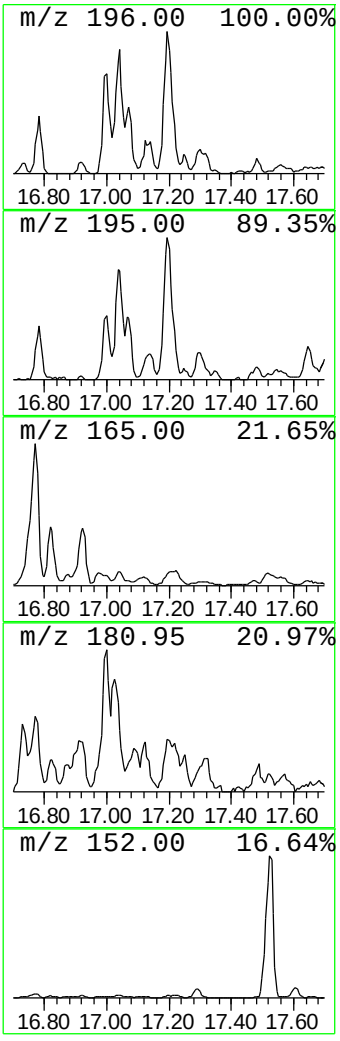
Peak Number 26 Phenol, 4-(2-phenylethenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	6.05 ng/ul	102042	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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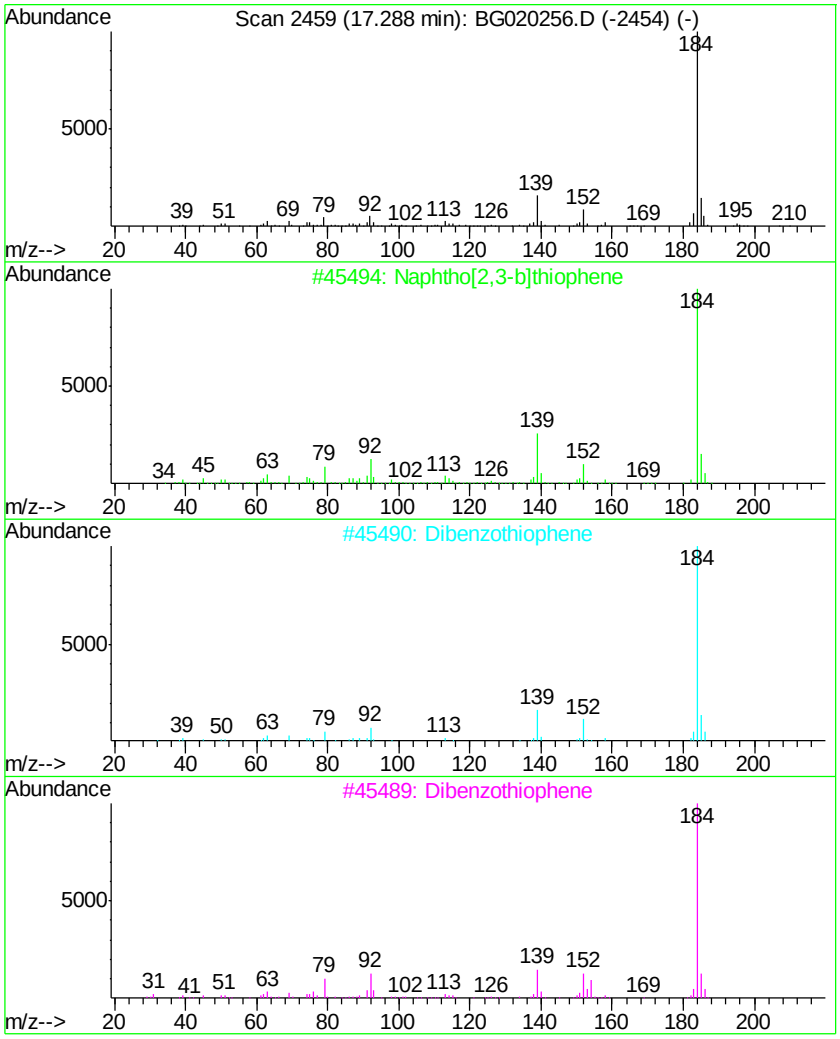
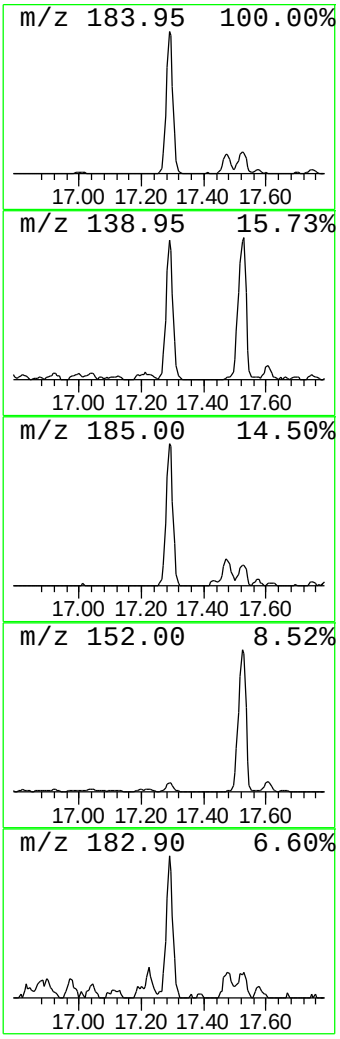
Peak Number 27 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	19.57 ng/ul	330209	Phenanthrene-d10	17.48

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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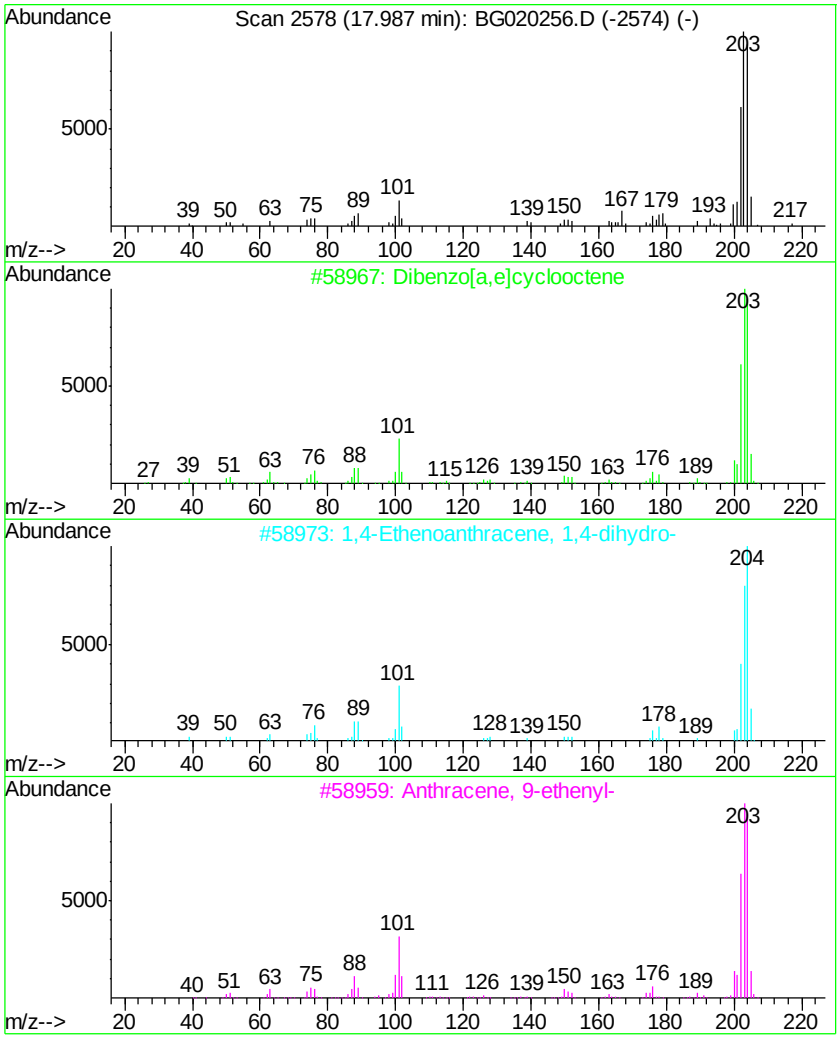
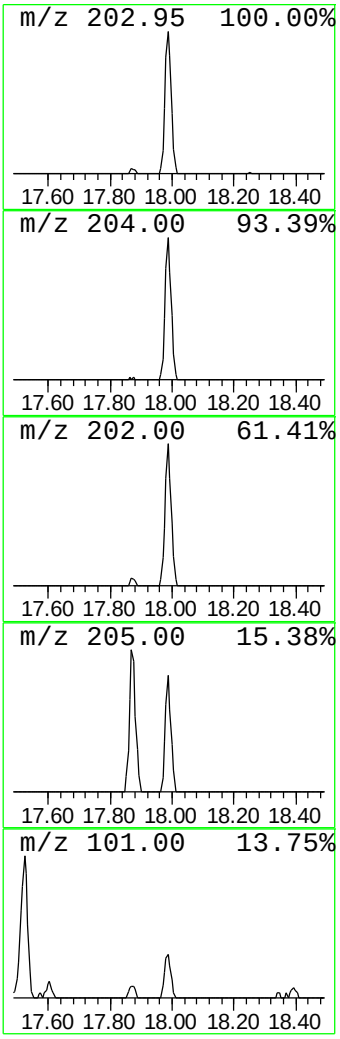
Peak Number 28 Dibenzo[a,e]cyclooctene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.58 ng/ul	77315	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	95
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	91
5	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89





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Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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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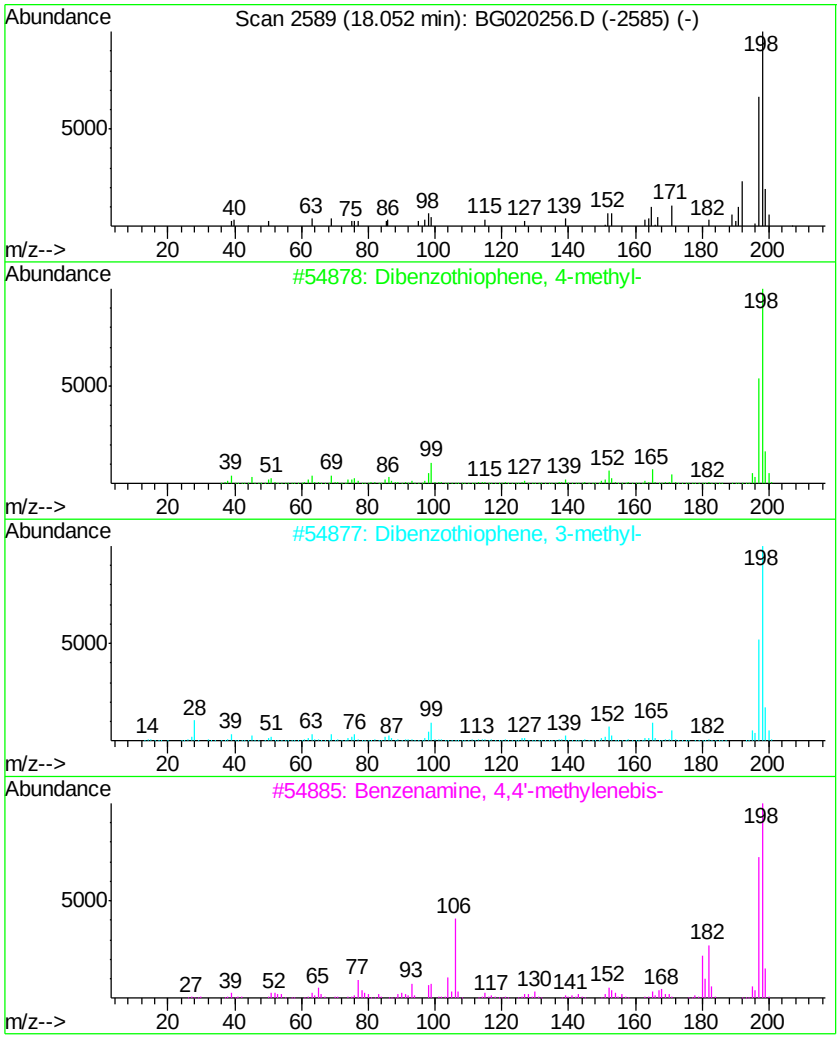
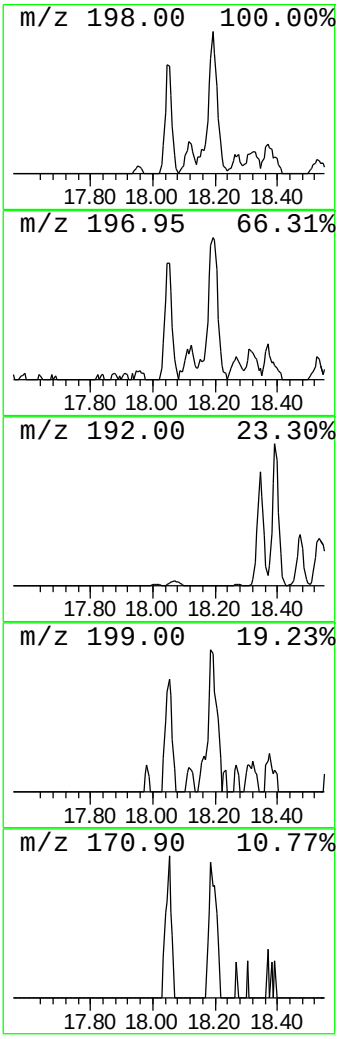
Peak Number 29 Dibenzothiophene, 4-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.54 ng/ul	42862	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
4	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	72
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020256.D
Acq On : 17 Dec 2015 21:49
Operator : UM/SJ
Sample : G4767-12DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34DL

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...	3.19	9.8	ng/ul	44191	1	8.09	90356	20.0
Naphthalene, 1-me...	12.78	68.7	ng/ul	502417	2	10.91	146261	20.0
Naphthalene, 1-et...	13.76	11.7	ng/ul	134975	3	14.73	229867	20.0
Naphthalene, 2,7-...	13.89	15.1	ng/ul	173537	3	14.73	229867	20.0
Naphthalene, 2,3-...	14.04	23.7	ng/ul	271898	3	14.73	229867	20.0
1-Naphthalenecarb...	14.86	4.4	ng/ul	50338	3	14.73	229867	20.0
1-Isopropenylnaph...	15.04	6.8	ng/ul	77676	3	14.73	229867	20.0
Naphthalene, 1,6,...	15.19	4.7	ng/ul	54458	3	14.73	229867	20.0
Naphthalene, 2,3,...	15.39	4.0	ng/ul	45748	3	14.73	229867	20.0
Naphthalene, 1,4,...	15.51	3.8	ng/ul	43617	3	14.73	229867	20.0
Nordiphenamid	15.93	19.5	ng/ul	224438	3	14.73	229867	20.0
1,1,4,4-Tetrameth...	15.98	4.3	ng/ul	49155	3	14.73	229867	20.0
Dibenzofuran, 4-m...	16.06	20.4	ng/ul	234955	3	14.73	229867	20.0
6H-Dibenzo[b,d]-p...	16.21	20.6	ng/ul	348054	4	17.48	337499	20.0
9H-Fluoren-9-ol	16.30	3.3	ng/ul	56327	4	17.48	337499	20.0
Anthracene, 9,10-...	16.56	9.3	ng/ul	157088	4	17.48	337499	20.0
9H-Fluorene, 1-me...	16.77	16.4	ng/ul	276123	4	17.48	337499	20.0
9H-Fluorene, 2-me...	16.92	5.5	ng/ul	93408	4	17.48	337499	20.0
1,1'-Biphenyl, 3-...	16.99	5.5	ng/ul	92333	4	17.48	337499	20.0
Dibenz[c,e]oxepin...	17.04	3.2	ng/ul	54479	4	17.48	337499	20.0
Phenol, 4-(2-phen...	17.20	6.0	ng/ul	102042	4	17.48	337499	20.0
Naphtho[2,3-b]thi...	17.29	19.6	ng/ul	330209	4	17.48	337499	20.0
Dibenzo[a,e]cyclo...	17.99	4.6	ng/ul	77315	4	17.48	337499	20.0
Dibenzothiophene,...	18.05	2.5	ng/ul	42862	4	17.48	337499	20.0