LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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	3.120	44	48	58	rVV	29751	54562	0.92%	0.126%
2	7.245	742	750	760	rBV	99102	175986	2.97%	0.405%
3	7.415	771	779	791	rVB	73838	120723	2.04%	0.278%
4	7.627	809	815	822	rVB	96327	162943	2.75%	0.375%
5	8.097	885	895	902	rVB	77665	127710	2.15%	0.294%
6	8.637	980	987	995	rVB	98799	167569	2.83%	0.386%
7	8.796	1006	1014	1021	rBV	132524	222392	3.75%	0.512%
8	9.260	1086	1093	1101	rBV	96927	171971	2.90%	0.396%
9	9.989	1210	1217	1224	rVB	91211	156115	2.63%	0.360%
10	10.529	1301	1309	1317	rVB	142960	256721	4.33%	0.591%
11	10.917	1366	1375	1378	rBV	113606	215773	3.64%	0.497%
12	10.976	1378	1385	1391	rVV	1546539	2902356	48.96%	6.684%
13	11.040	1391	1396	1401	rVV	125224	242325	4.09%	0.558%
14	11.087	1401	1404	1412	rVB	57625	88789	1.50%	0.204%
15	11.739	1508	1515	1522	rBV	41421	73204	1.23%	0.169%
16	12.562	1646	1655	1663	rBV	797896	1315453	22.19%	3.029%
17	12.779	1680	1692	1701	rVB	390978	658466	11.11%	1.516%
18	13.561	1818	1825	1831	rVV	275595	427220	7.21%	0.984%
19	13.755	1852	1858	1871	rVB	90836	164578	2.78%	0.379%
20	13.902	1871	1883	1891	rBV4	112671	302611	5.11%	0.697%
21	14.049	1899	1908	1913	rBV	160027	296652	5.00%	0.683%
22	14.125	1913	1921	1926	rVV2	270437	557409	9.40%	1.284%
23	14.172	1926	1929	1935	rVB	135318	179822	3.03%	0.414%
24	14.284	1943	1948	1951	rBV	64433	99971	1.69%	0.230%
25	14.419	1963	1971	1982	rBV2	261457	582492	9.83%	1.341%
26	14.695	2012	2018	2020	rVV	112190	164724	2.78%	0.379%
27	14.730	2020	2024	2029	rVV2	203468	335641	5.66%	0.773%
28	14.795	2029	2035	2041	rVV	1462121	2321685	39.17%	5.347%
29	14.853	2041	2045	2050	rVV	80494	123025	2.08%	0.283%
30	14.912	2050	2055	2065	rVV2	132407	247889	4.18%	0.571%
31	15.000	2065	2070	2072	rVV3	31959	58150	0.98%	0.134%
32	15.036	2072	2076	2080	rVV	53401	88322	1.49%	0.203%
33	15.124	2084	2091	2098	rVV	996683	1601784	27.02%	3.689%
34	15.194	2098	2103	2112	rVB2	40940	72314	1.22%	0.167%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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	15.335	2121	2127	2132	rBV2	29310	53841	0.91%	0.124%
36	15.506	2149	2156	2159	rBV2	28262	53200	0.90%	0.123%
37	15.717	2182	2192	2196	rVV	319078	530582	8.95%	1.222%
38	15.776	2196	2202	2208	rVV	1285455	1962409	33.11%	4.519%
39	15.835	2208	2212	2215	rVV	80631	127703	2.15%	0.294%
40	15.864	2215	2217	2219	rVV	47245	58704	0.99%	0.135%
41	15.893	2219	2222	2225	rVV	87642	132923	2.24%	0.306%
42	15.935	2225	2229	2233	rVV2	154671	242844	4.10%	0.559%
43	15.982	2233	2237	2240	rVV2	34524	60027	1.01%	0.138%
44	16.023	2240	2244	2246	rVV2	70563	98081	1.65%	0.226%
45	16.064	2246	2251	2258	rVB	178451	279143	4.71%	0.643%
46	16.205	2266	2275	2283	rVB	182788	400652	6.76%	0.923%
47	16.563	2326	2336	2344	rBV2	97779	193124	3.26%	0.445%
48	16.769	2358	2371	2376	rVV3	139696	338842	5.72%	0.780%
49	16.822	2376	2380	2386	rVV3	57465	109067	1.84%	0.251%
50	16.916	2391	2396	2401	rVV3	57994	102005	1.72%	0.235%
51	16.992	2401	2409	2412	rVV2	47040	107879	1.82%	0.248%
52	17.039	2413	2417	2420	rVV4	55143	92875	1.57%	0.214%
53	17.121	2427	2431	2438	rVB3	32283	59270	1.00%	0.136%
54	17.198	2438	2444	2450	rBV6	66189	168486	2.84%	0.388%
55	17.286	2454	2459	2468	rVB	292972	467226	7.88%	1.076%
56	17.474	2484	2491	2493	rBV	265651	430973	7.27%	0.992%
57	17.527	2493	2500	2504	rVV	3424275	5927650	100.00%	13.651%
58	17.574	2504	2508	2511	rVV2	442376	671556	11.33%	1.547%
59	17.603	2511	2513	2518	rVB	288304	369941	6.24%	0.852%
60	17.868	2546	2558	2567	rBV2	319057	592809	10.00%	1.365%
61	17.985	2574	2578	2581	rVV2	50442	65541	1.11%	0.151%
62	18.191	2608	2613	2622	rVB	25779	65504	1.11%	0.151%
63	18.344	2634	2639	2643	rBV	260460	379391	6.40%	0.874%
64	18.391	2643	2647	2653	rVB	348339	523955	8.84%	1.207%
65	18.473	2653	2661	2666	rBV2	109503	194385	3.28%	0.448%
66	18.543	2666	2673	2677	rBV2	490327	860932	14.52%	1.983%
67	18.837	2717	2723	2727	rVV	204104	294296	4.96%	0.678%
68	19.248	2787	2793	2798	rBV	61866	125226	2.11%	0.288%
69	19.389	2813	2817	2825	rVB4	24122	62256	1.05%	0.143%
70	19.519	2831	2839	2845	rVV	2083346	3191697	53.84%	7.350%
71	19.607	2851	2854	2859	rVV	57182	80028	1.35%	0.184%

LSC Area Percent Report

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Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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	19.759	2873	2880	2888	rVB2	73746	146681	2.47%	0.338%
73	19.848	2888	2895	2897	rBV3	758025	1178868	19.89%	2.715%
74	19.883	2897	2901	2907	rVV	1398729	2139672	36.10%	4.927%
75	19.942	2907	2911	2917	rVB	72441	114634	1.93%	0.264%
76	20.047	2924	2929	2935	rVB	79566	121227	2.05%	0.279%
77	20.188	2947	2953	2960	rBV3	71049	192022	3.24%	0.442%
78	20.247	2960	2963	2968	rVV	58350	76066	1.28%	0.175%
79	20.329	2968	2977	2978	rVV4	47926	109110	1.84%	0.251%
80	20.365	2978	2983	2988	rVB	243560	353187	5.96%	0.813%
81	20.465	2994	3000	3004	rBV	268781	398092	6.72%	0.917%
82	20.517	3004	3009	3013	rVV2	78328	160125	2.70%	0.369%
83	20.559	3013	3016	3019	rVV	50557	69405	1.17%	0.160%
84	20.658	3028	3033	3037	rBV	40197	61007	1.03%	0.140%
85	20.705	3037	3041	3044	rVV	45376	69882	1.18%	0.161%
86	21.311	3136	3144	3148	rBV	76758	129124	2.18%	0.297%
87	21.358	3148	3152	3156	rVV	92651	148295	2.50%	0.342%
88	21.405	3156	3160	3165	rVV2	59596	117018	1.97%	0.269%
89	21.728	3204	3215	3221	rVV3	452884	1230219	20.75%	2.833%
90	21.787	3221	3225	3235	rVV	259100	434892	7.34%	1.002%
91	21.939	3245	3251	3259	rVV	64282	107613	1.82%	0.248%
92	22.151	3280	3287	3294	rVV3	40251	85211	1.44%	0.196%
93	22.474	3334	3342	3348	rVV	28965	73899	1.25%	0.170%
94	22.803	3393	3398	3406	rVB5	27426	57890	0.98%	0.133%
95	23.966	3587	3596	3603	rBV2	75202	248677	4.20%	0.573%
96	24.701	3713	3721	3726	rBV	30377	79998	1.35%	0.184%
97	24.777	3726	3734	3742	rVV	209335	587031	9.90%	1.352%
98	24.854	3742	3747	3760	rVB2	51775	134738	2.27%	0.310%
99	25.006	3762	3773	3783	rBV	187552	534183	9.01%	1.230%
100	27.527	4192	4202	4213	rBV6	13856	52412	0.88%	0.121%

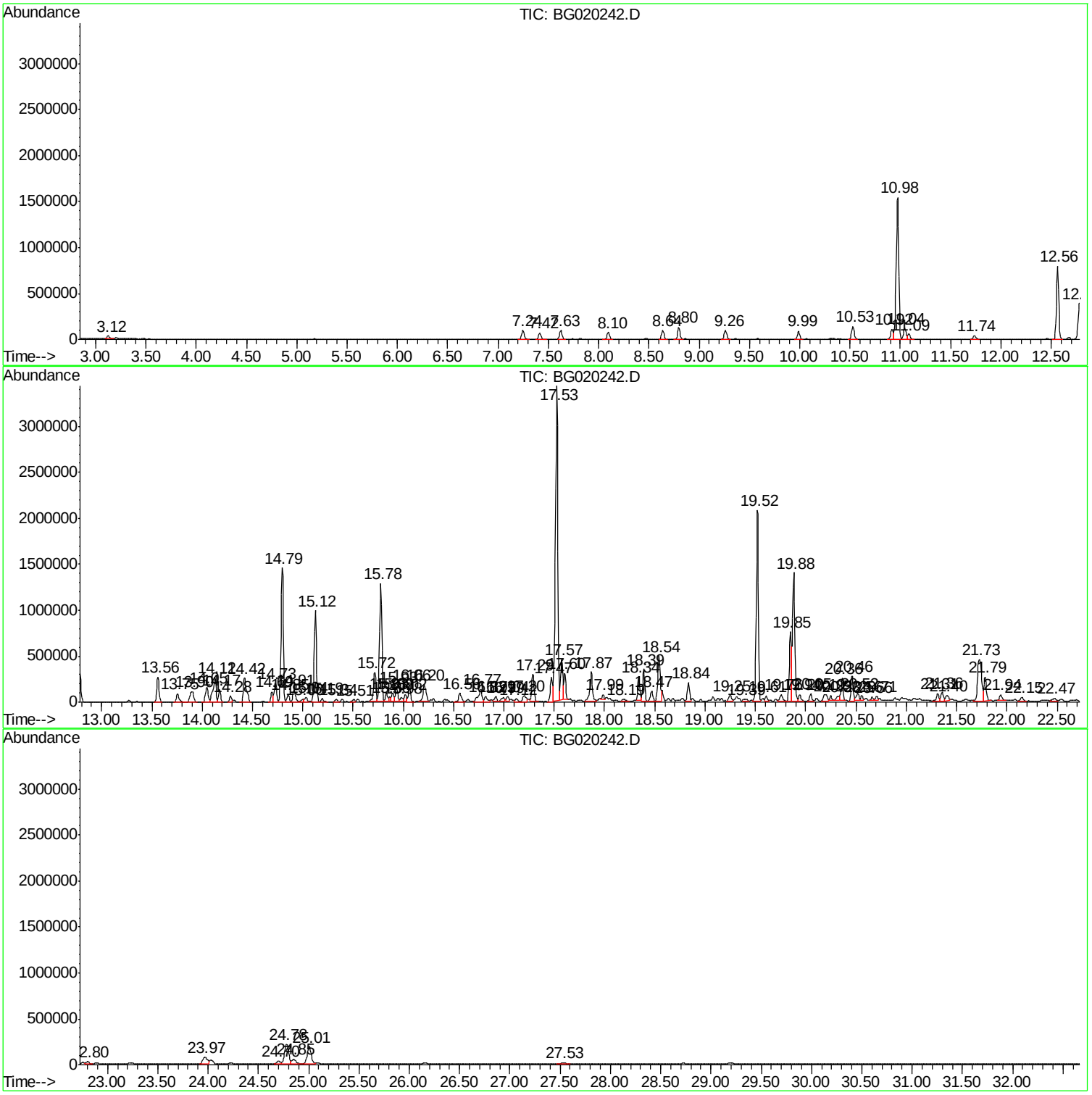
Sum of corrected areas: 43423548

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N43

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\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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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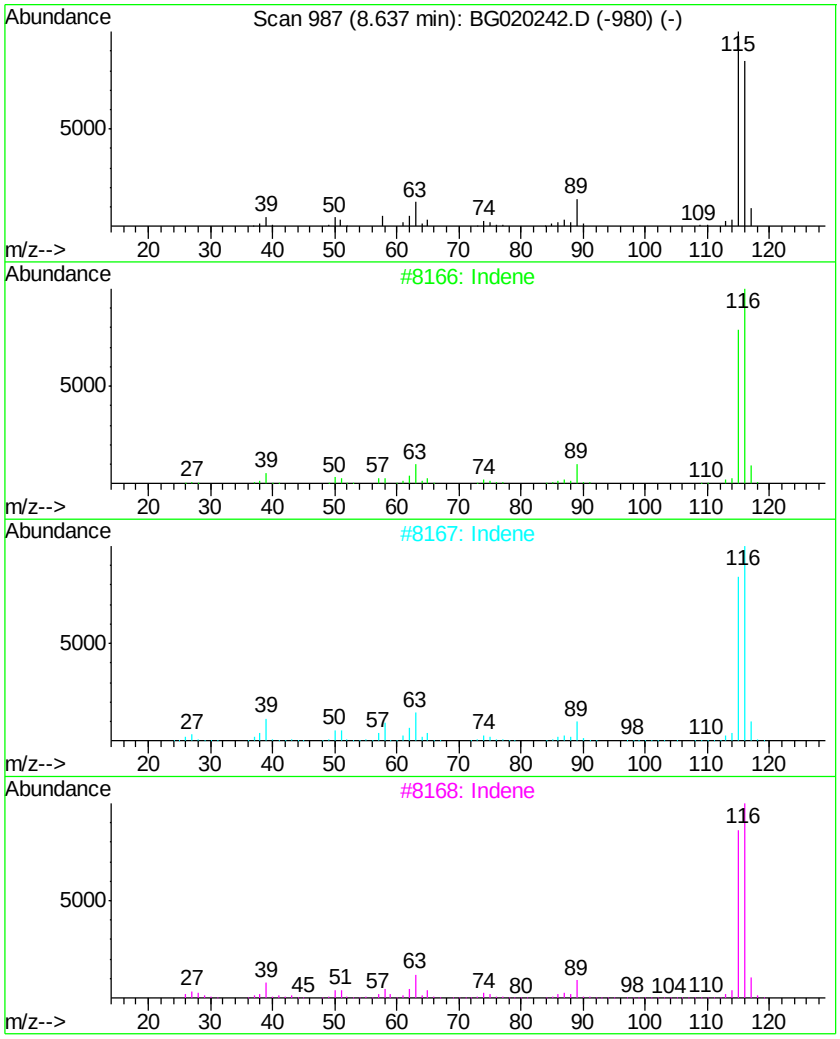
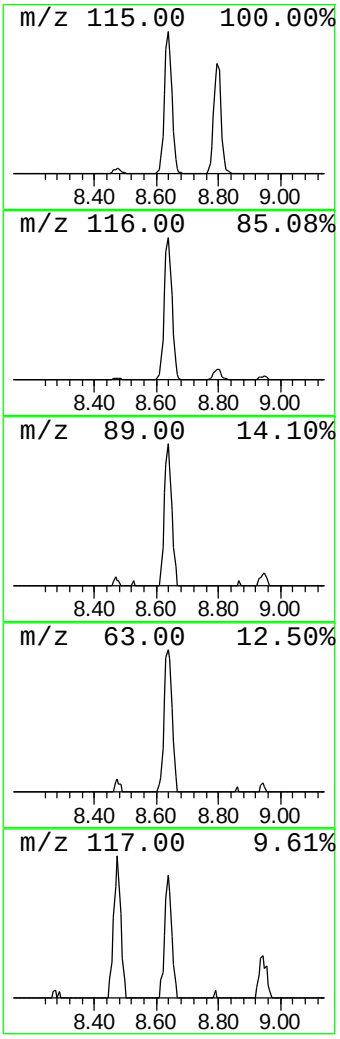
Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	26.24 ng/ul	167569	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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

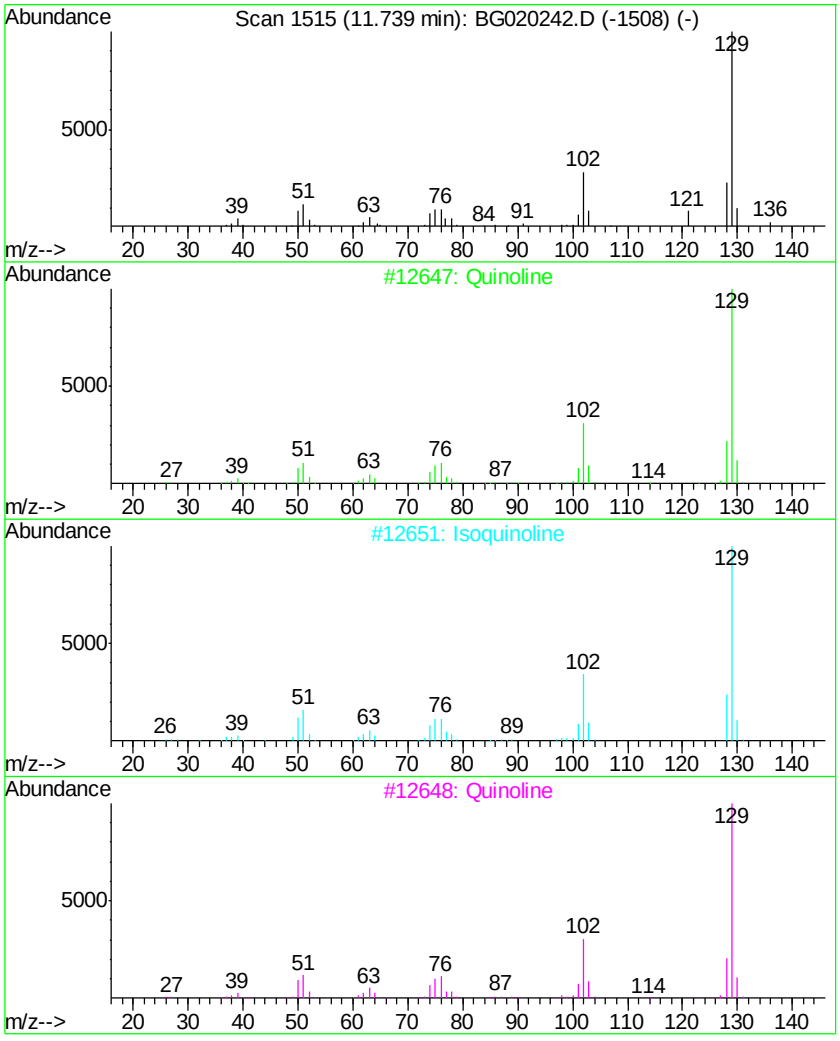
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

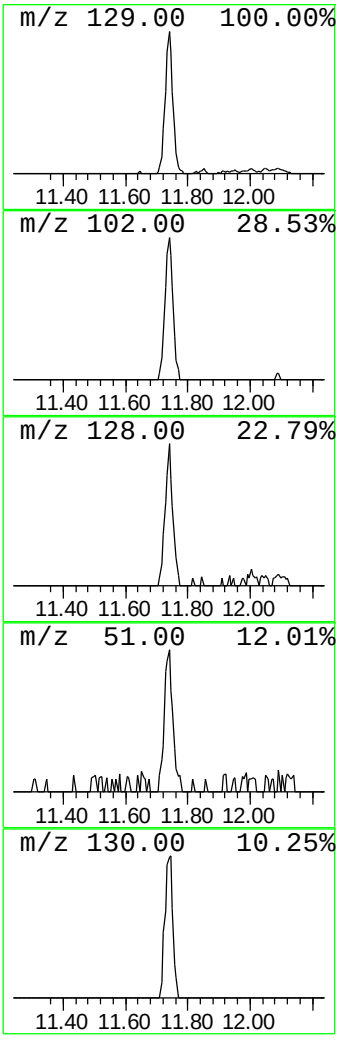
****

Peak Number 3 Quinoline Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.79 ng/ul	73204	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	97
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	Quinoline	129	C9H7N	000091-22-5	96
4	Quinoline	129	C9H7N	000091-22-5	95
5	Isoquinoline	129	C9H7N	000119-65-3	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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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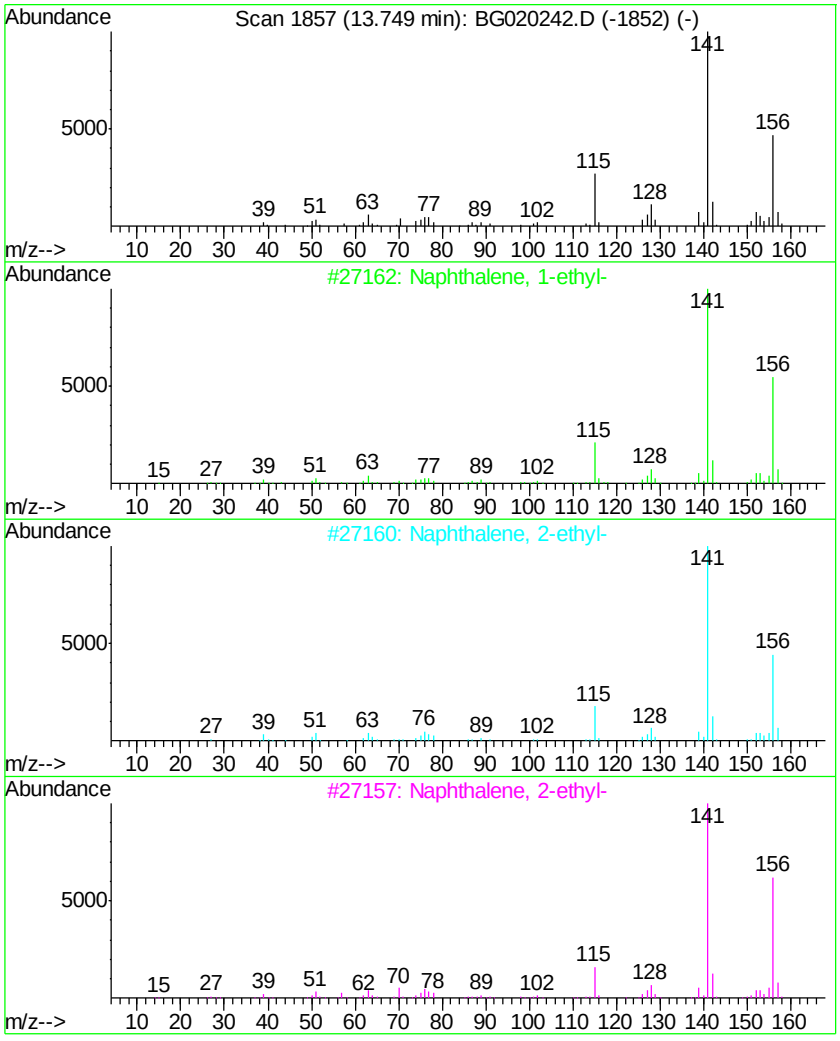
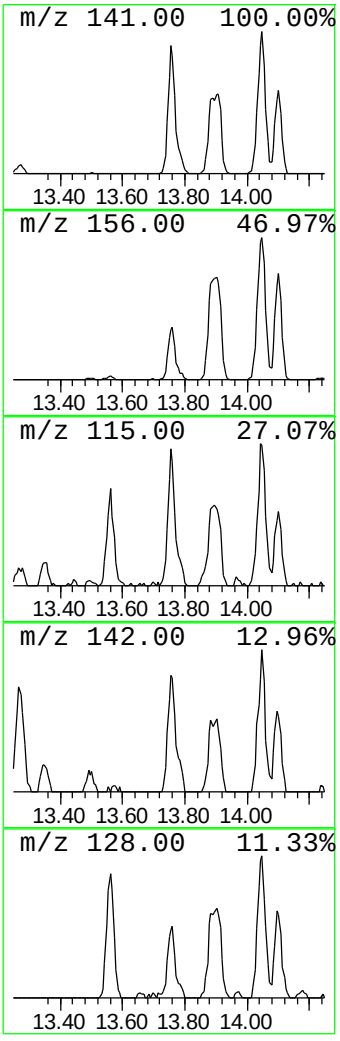
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	9.81 ng/ul	164578	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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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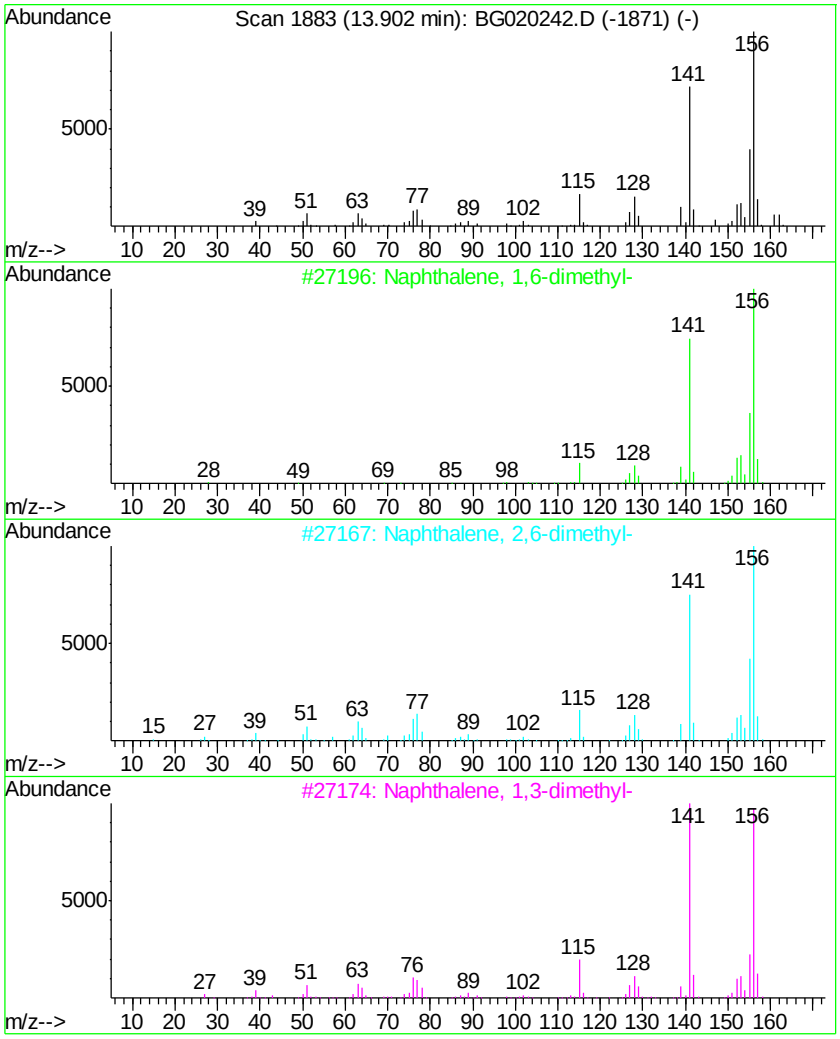
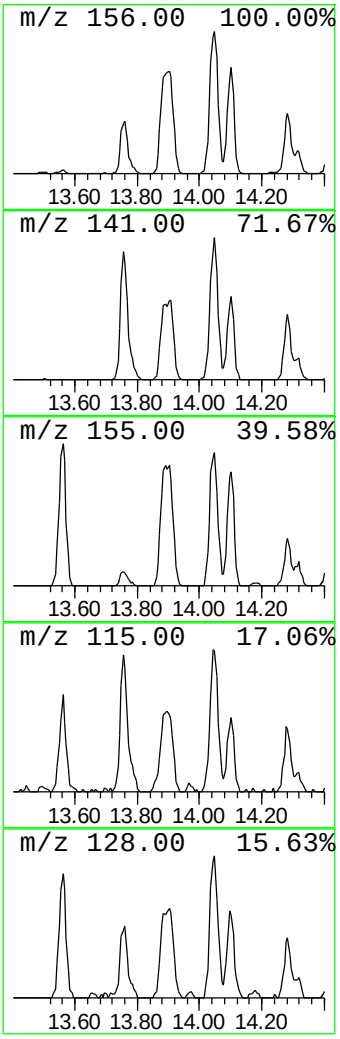
Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	18.03 ng/ul	302611	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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

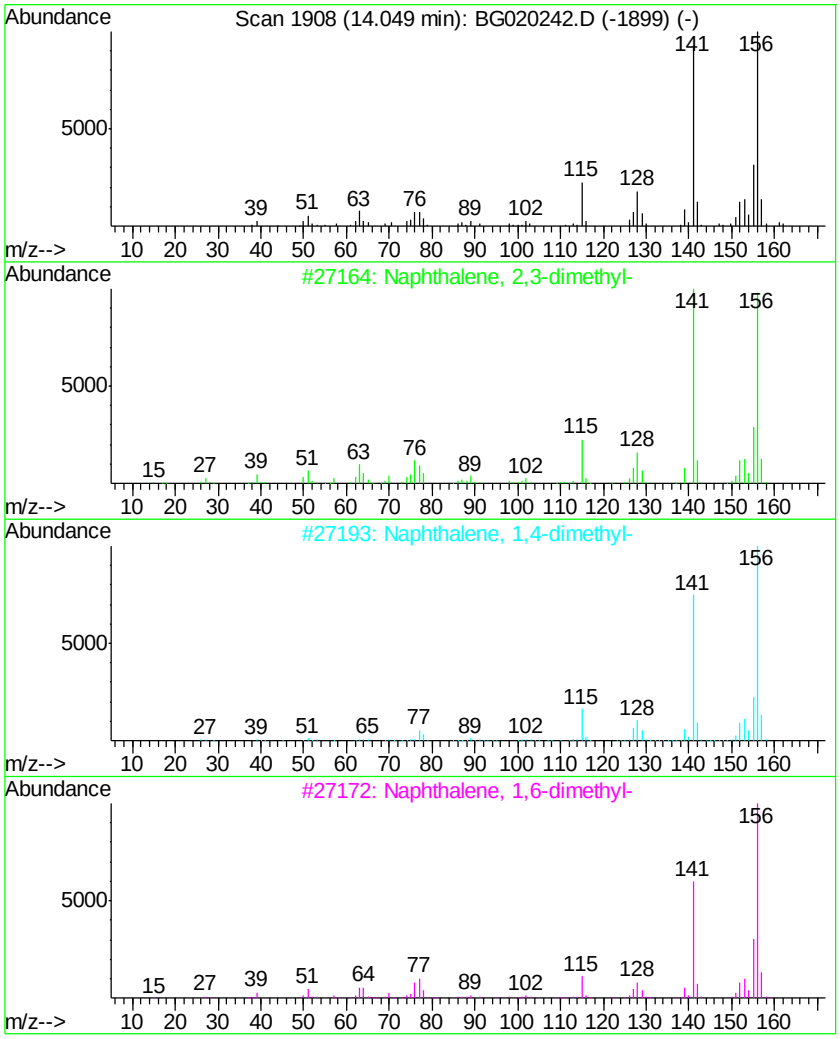
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

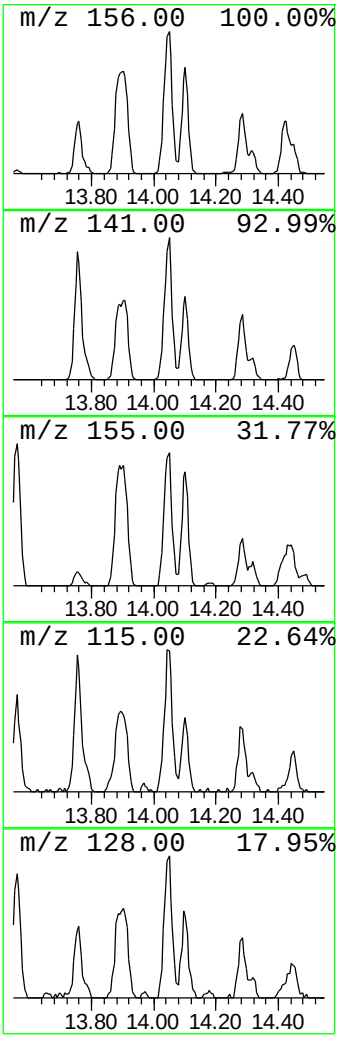
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	17.68 ng/ul	296652	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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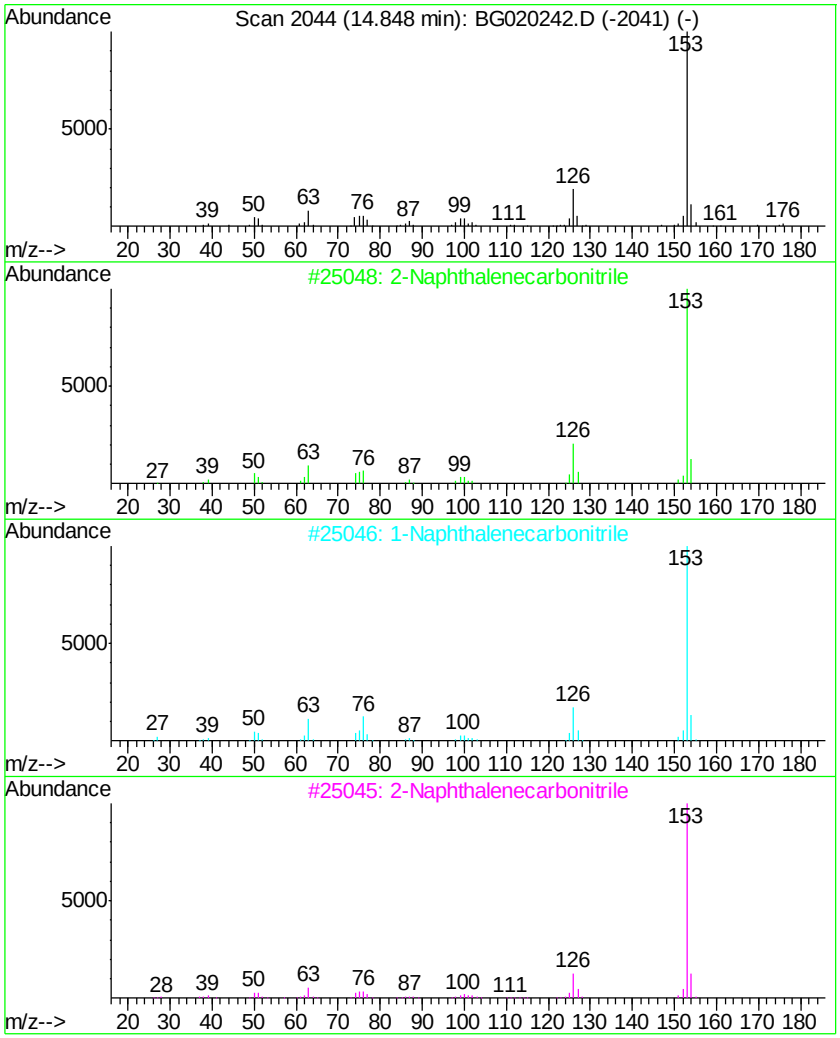
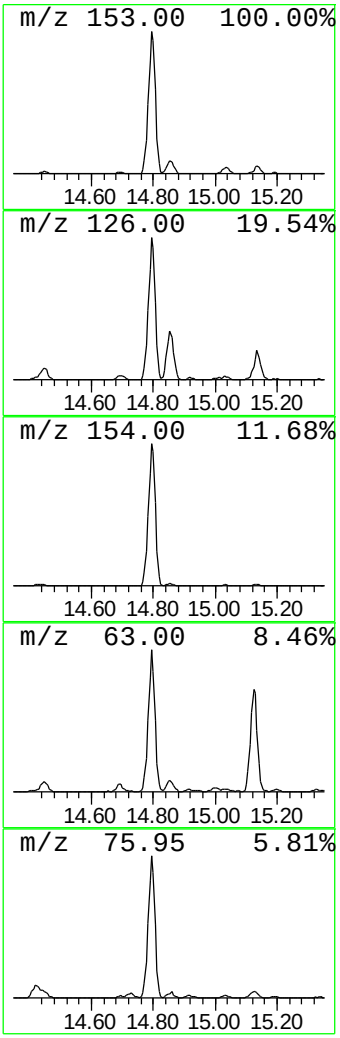
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	7.33 ng/ul	123025	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87





Library Search Compound Report

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Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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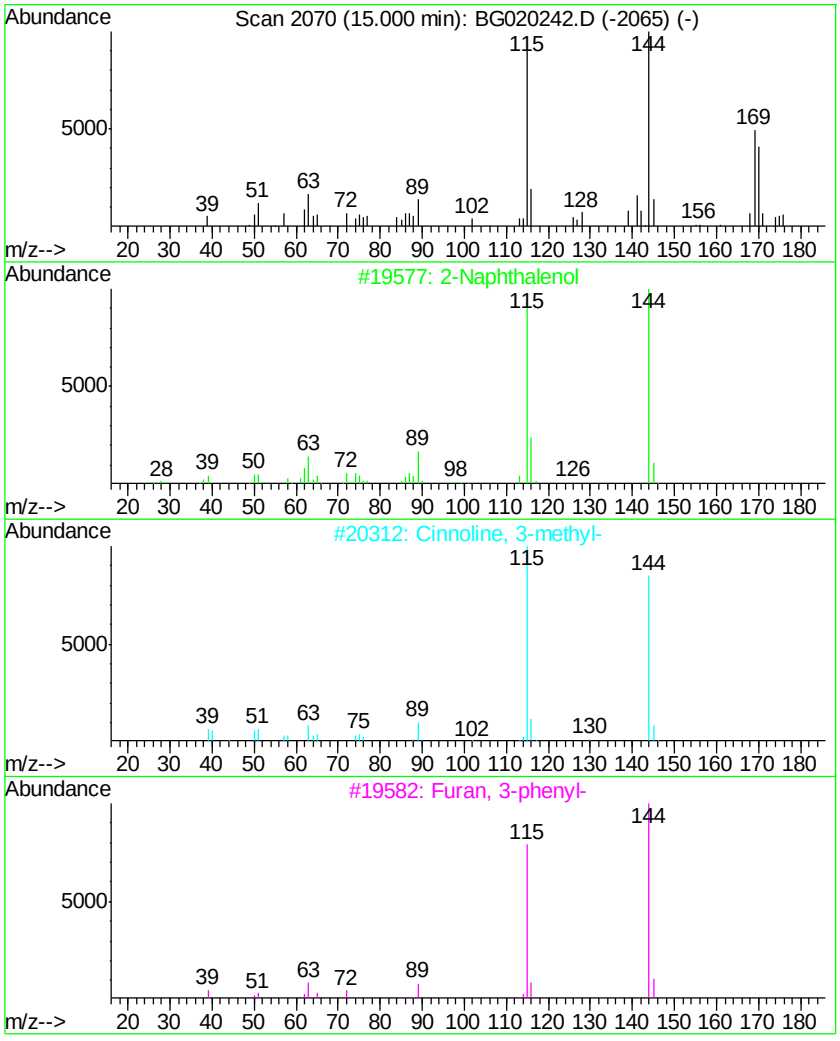
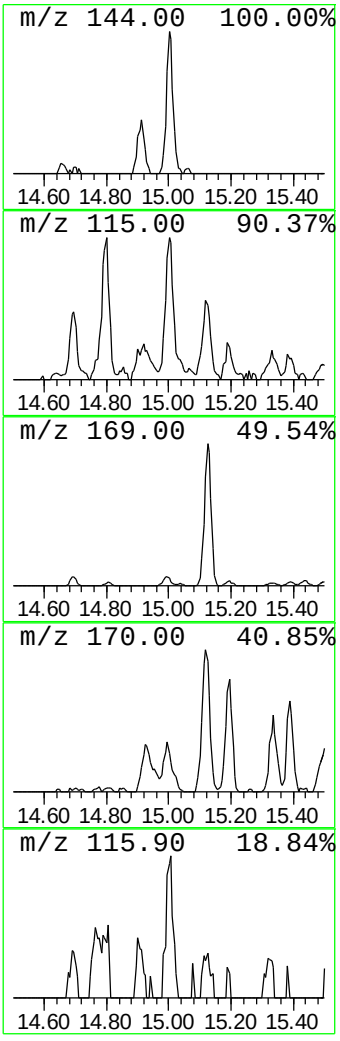
Peak Number 9 2-Naphthalenol Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	3.47 ng/ul	58150	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	91
2	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	64
3	Furan, 3-phenyl-	144	C10H8O	013679-41-9	58
4	1-Naphthalenol	144	C10H8O	000090-15-3	53
5	2-Naphthalenol	144	C10H8O	000135-19-3	53





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Instrument : BNA_G
ClientSampleId : D9N43

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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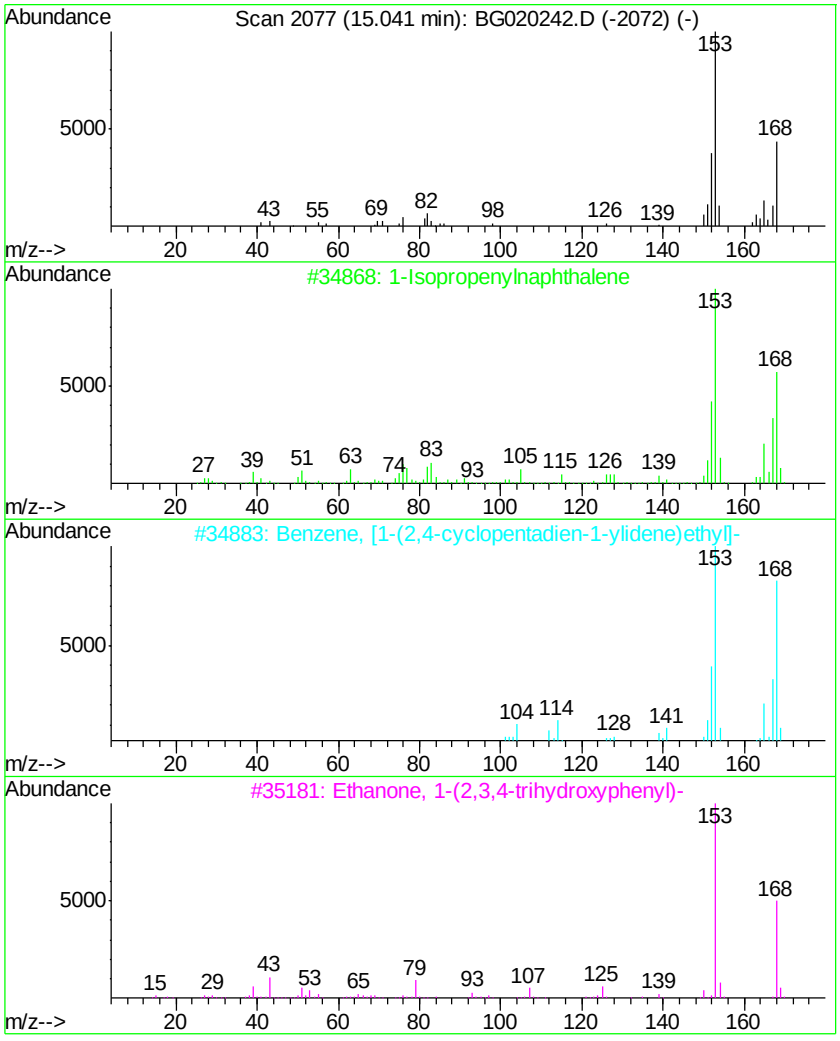
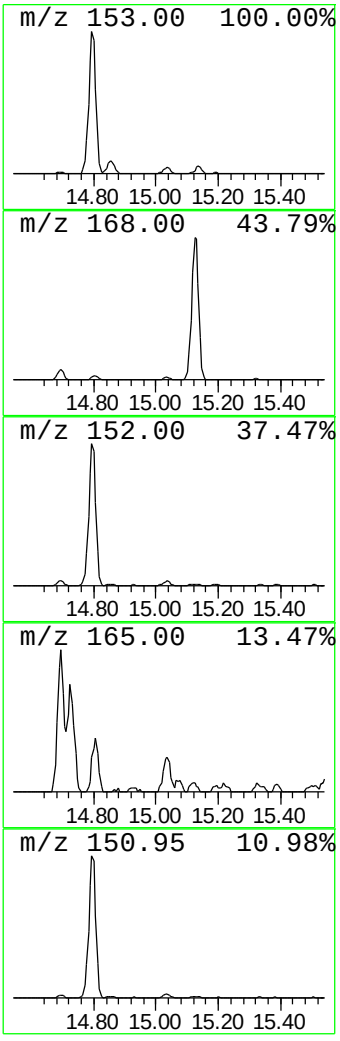
Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	5.26 ng/ul	88322	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





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Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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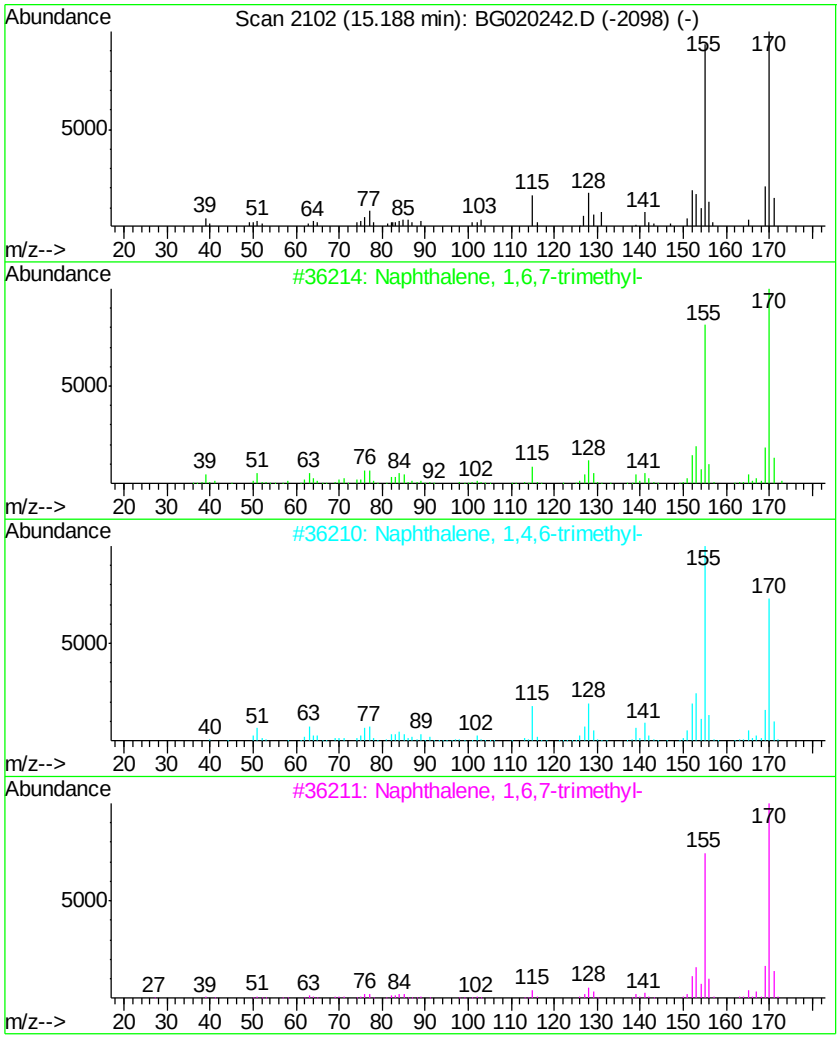
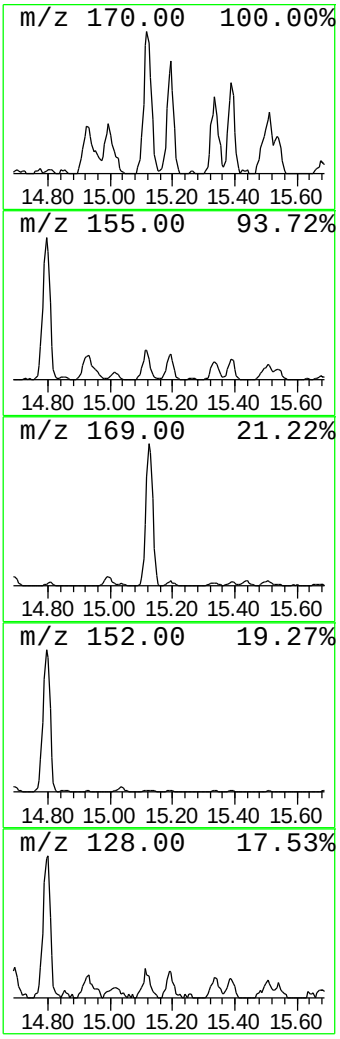
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.31 ng/ul	72314	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90





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Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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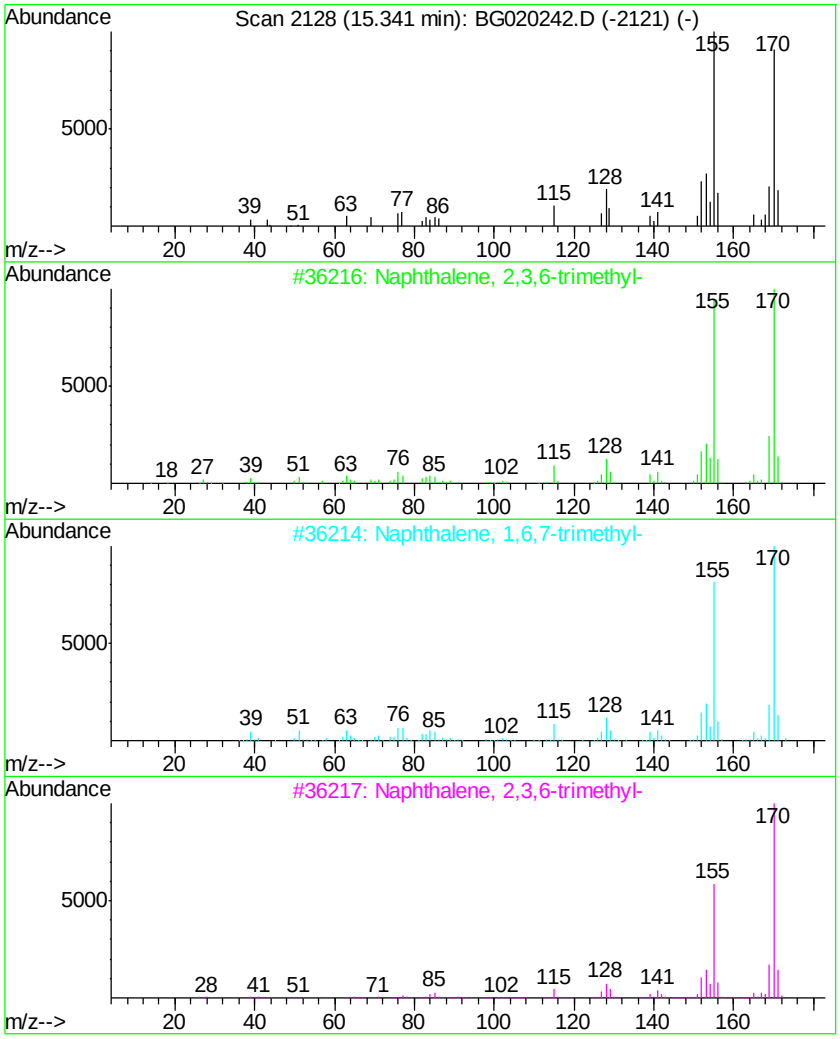
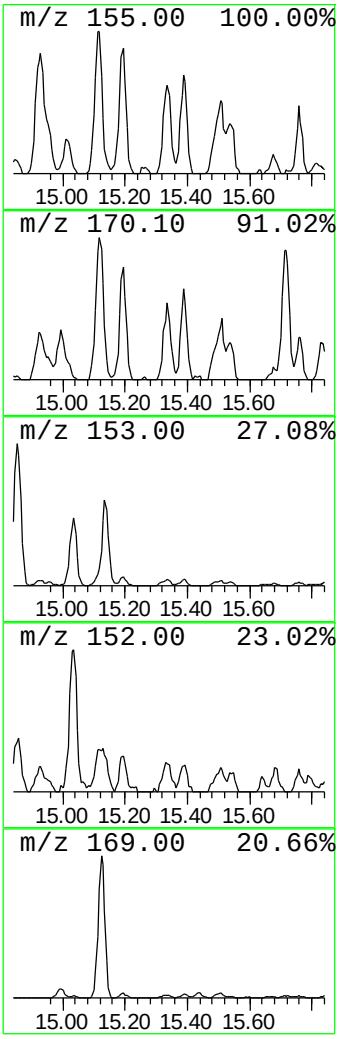
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.21 ng/ul	53841	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94





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Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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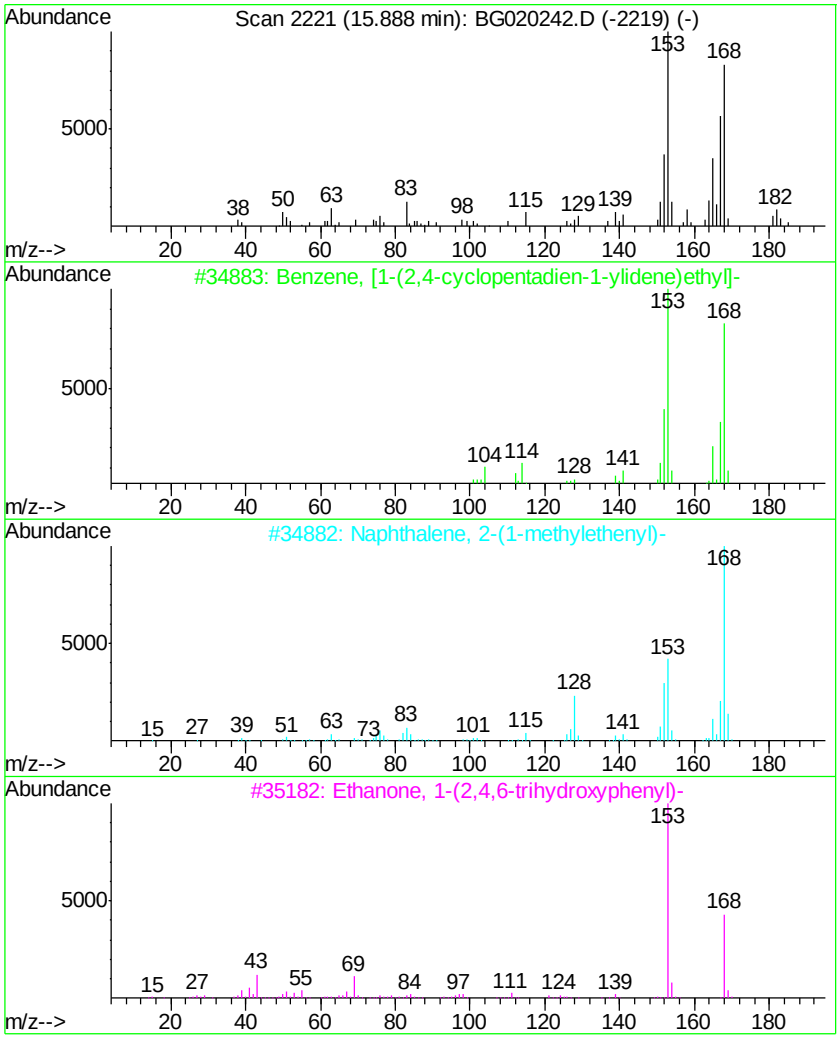
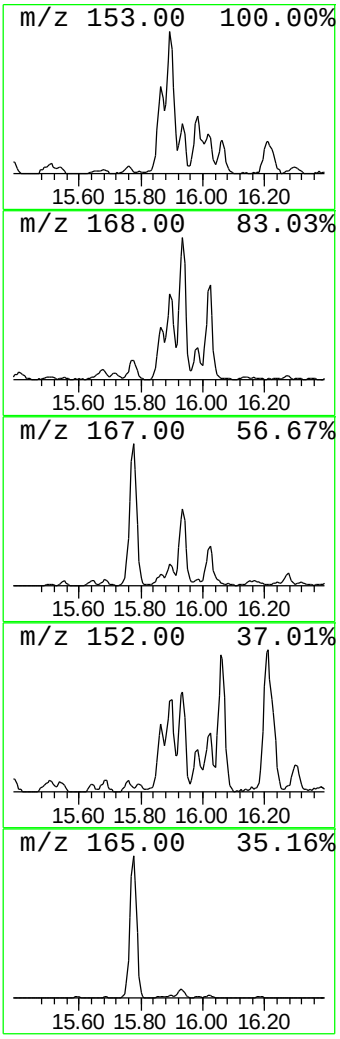
Peak Number 14 Benzene, [1-(2,4-cyclopenta... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	7.92 ng/ul	132923	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47
5	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	47





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Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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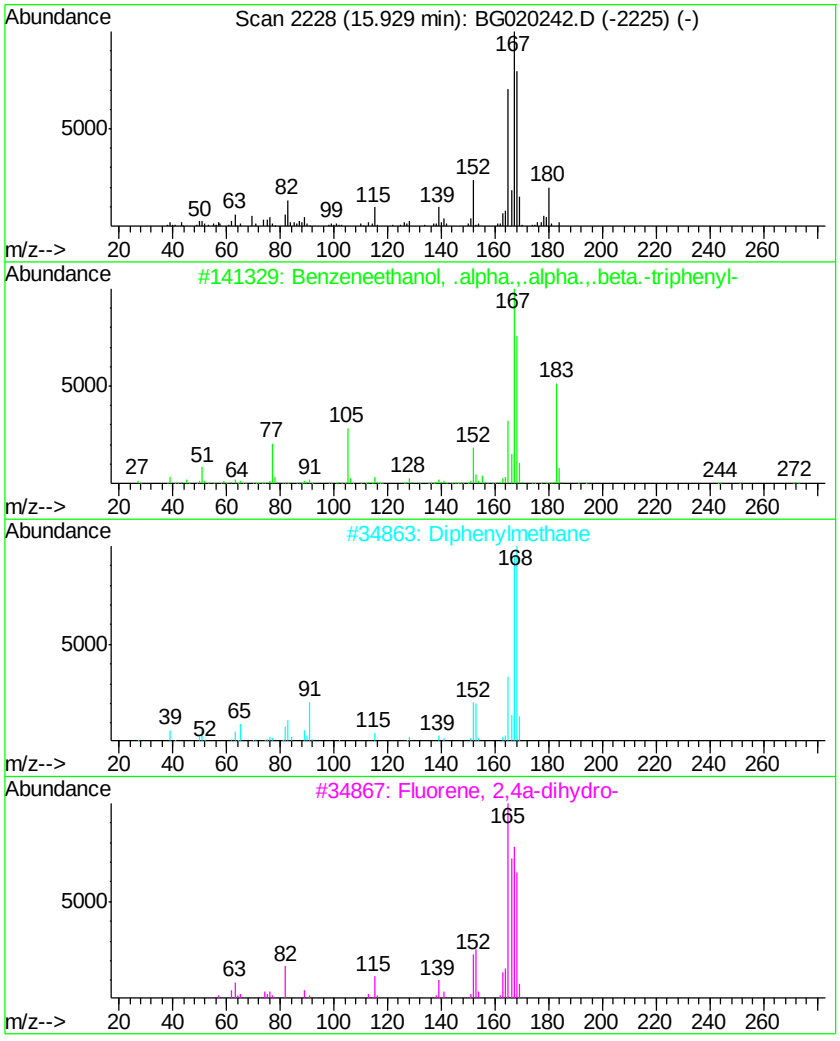
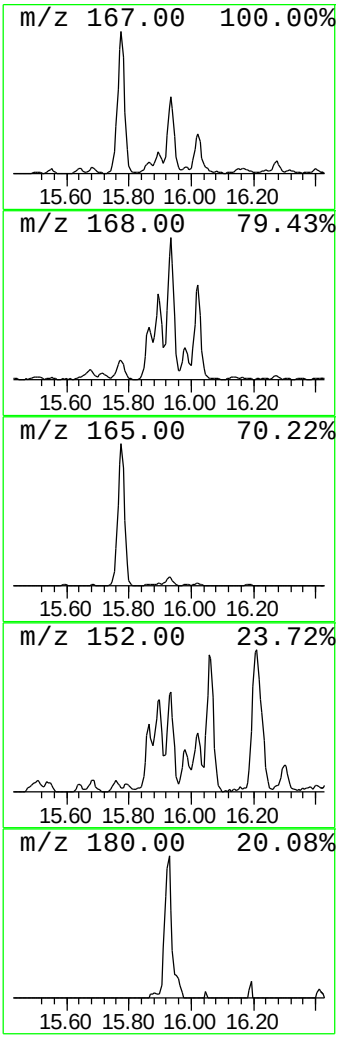
Peak Number 15 Benzeneethanol, .alpha.,.al... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	14.47 ng/ul	242844	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
4	Diphenylmethane	168	C13H12	000101-81-5	62
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	59





Library Search Compound Report

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Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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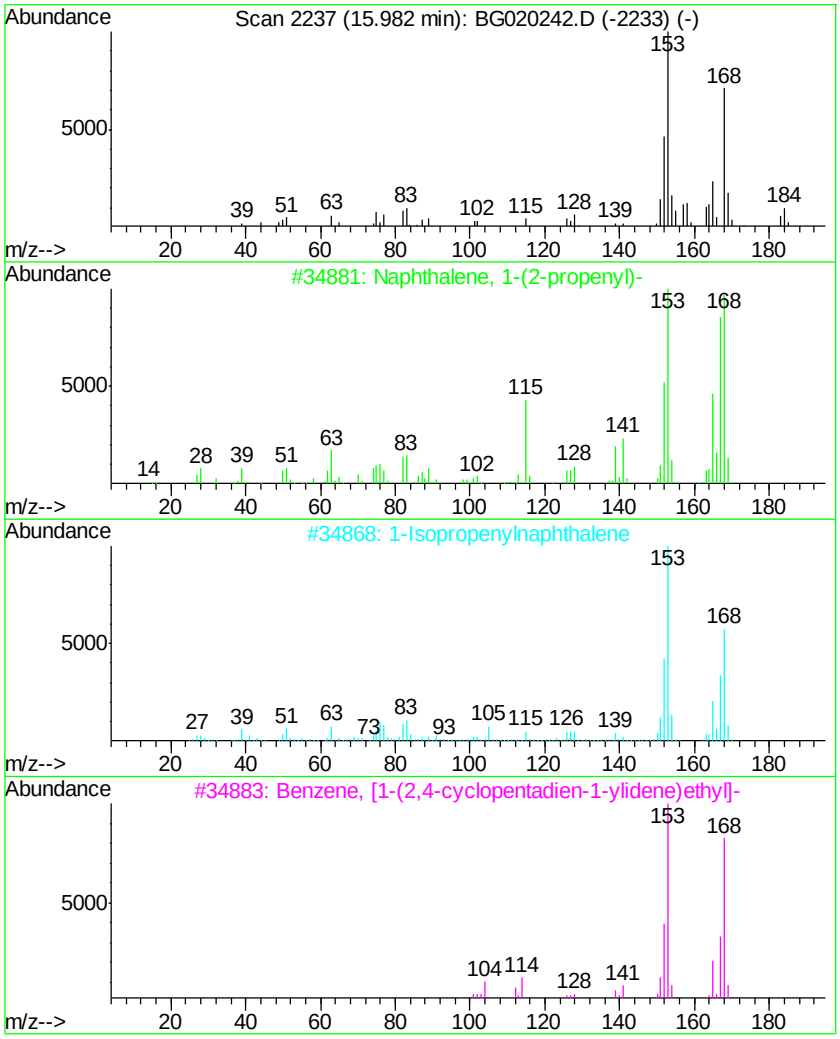
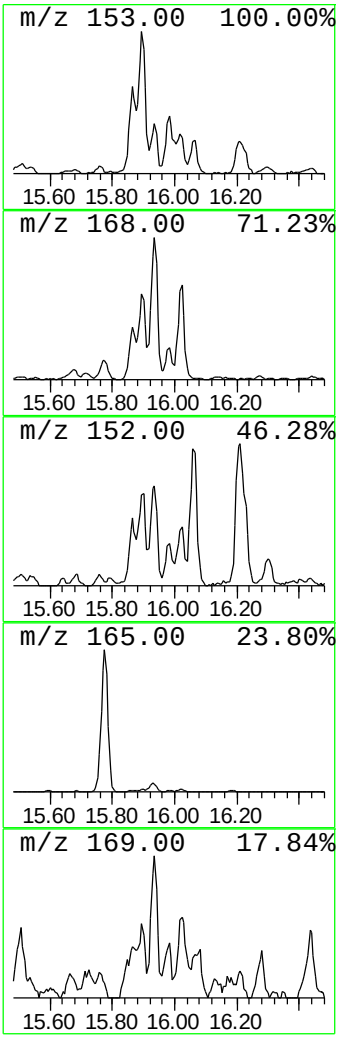
Peak Number 16 Naphthalene, 1-(2-propenyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.58 ng/ul	60027	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	43





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Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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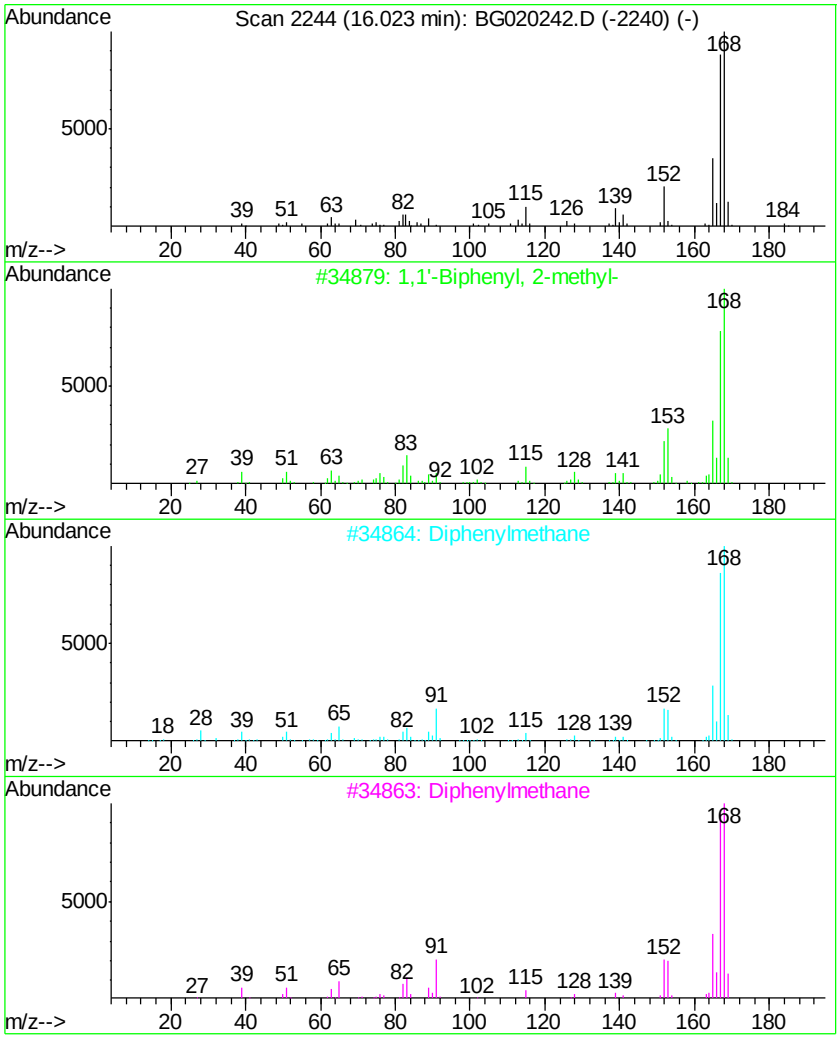
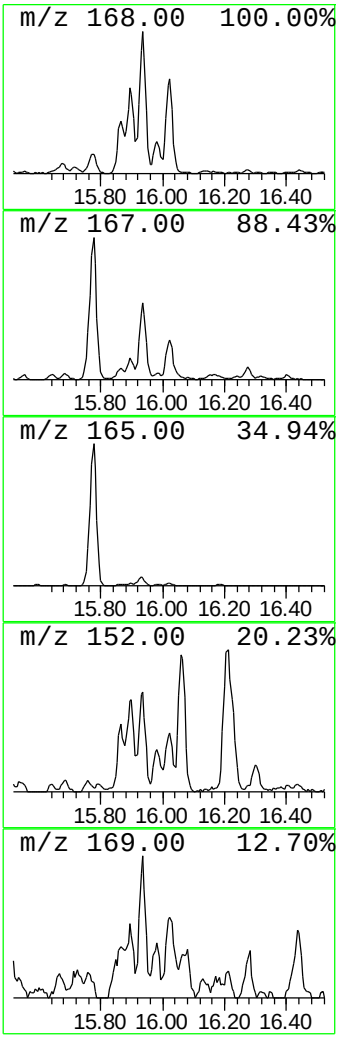
Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	5.84 ng/ul	98081	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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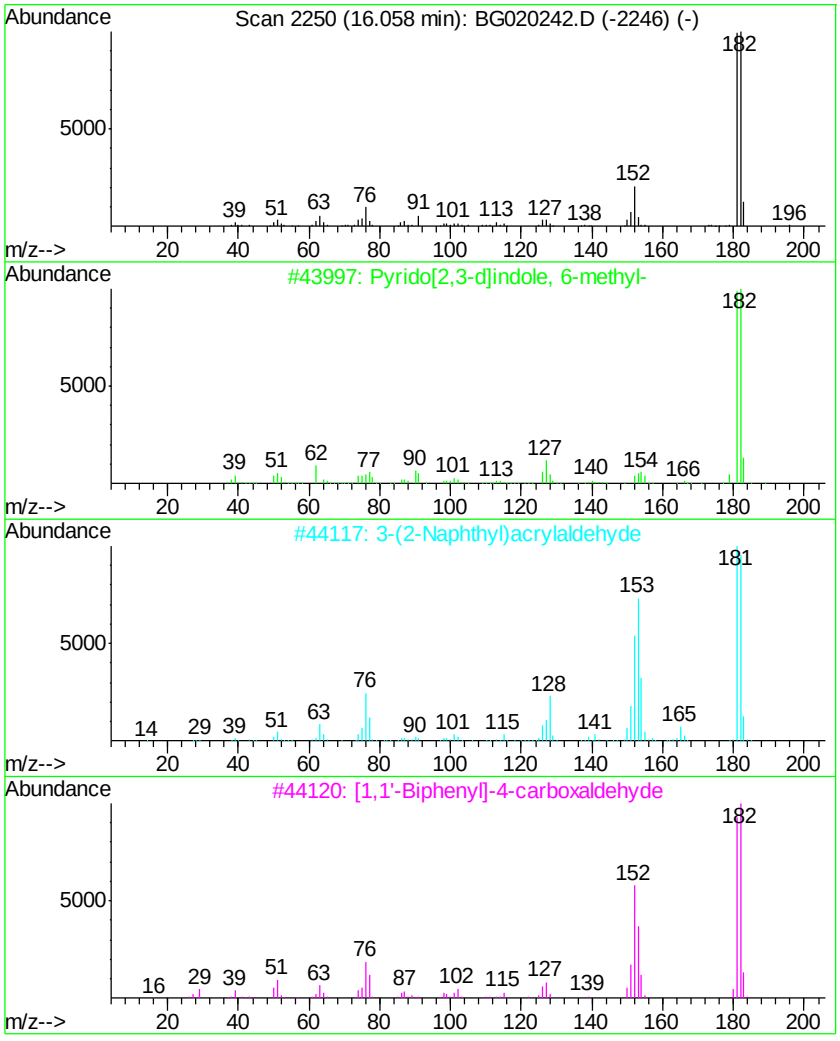
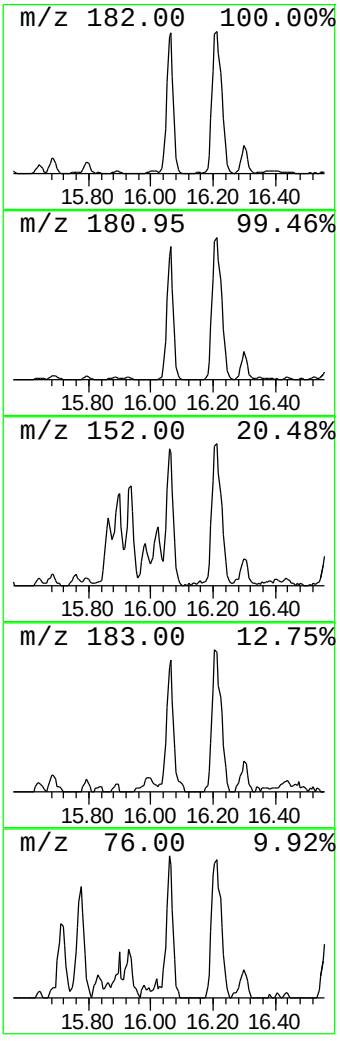
Peak Number 18 Pyrido[2,3-d]indole, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	16.63 ng/ul	279143	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	78
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
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Quant Title : SVOA CALIBRATION

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

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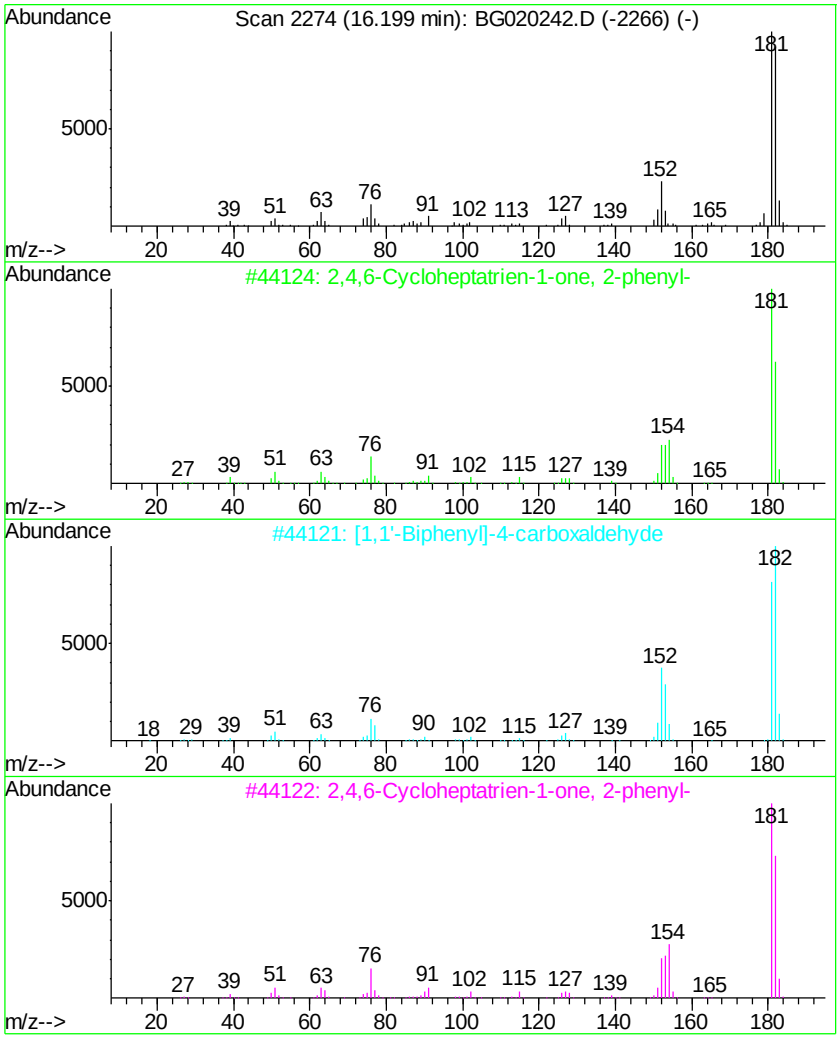
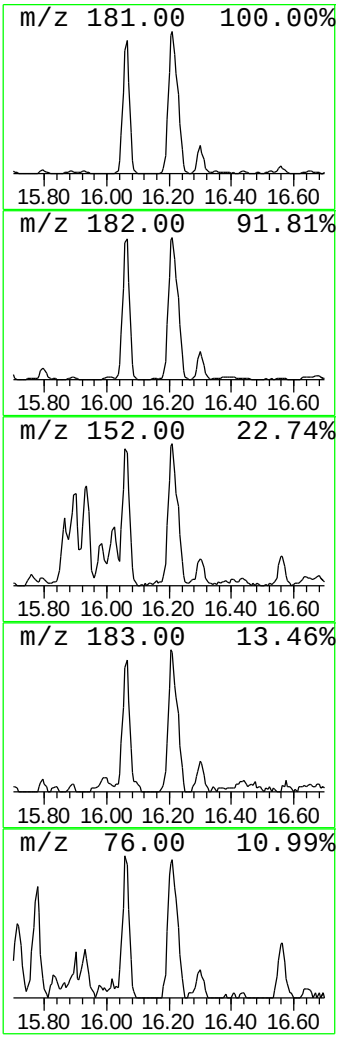
Peak Number 19 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	18.59 ng/ul	400652	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	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64





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Quant Title : SVOA CALIBRATION

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

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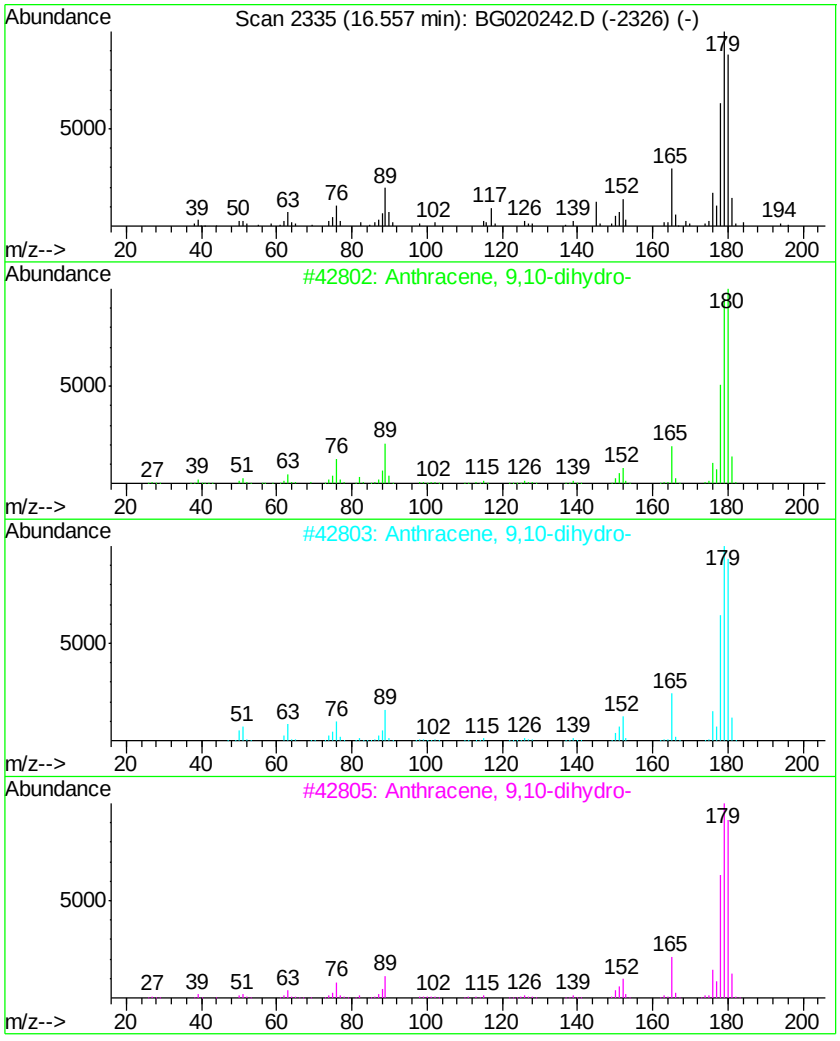
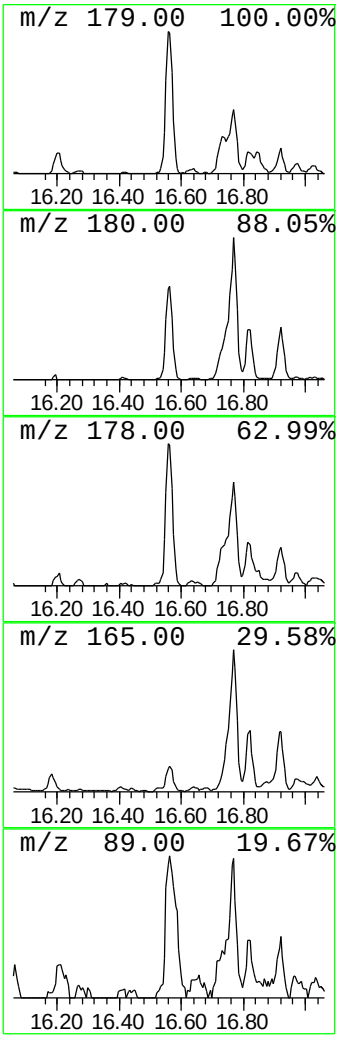
Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	8.96 ng/ul	193124	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	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	86
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	78
5	cis-Stilbene	180	C14H12	000645-49-8	70





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Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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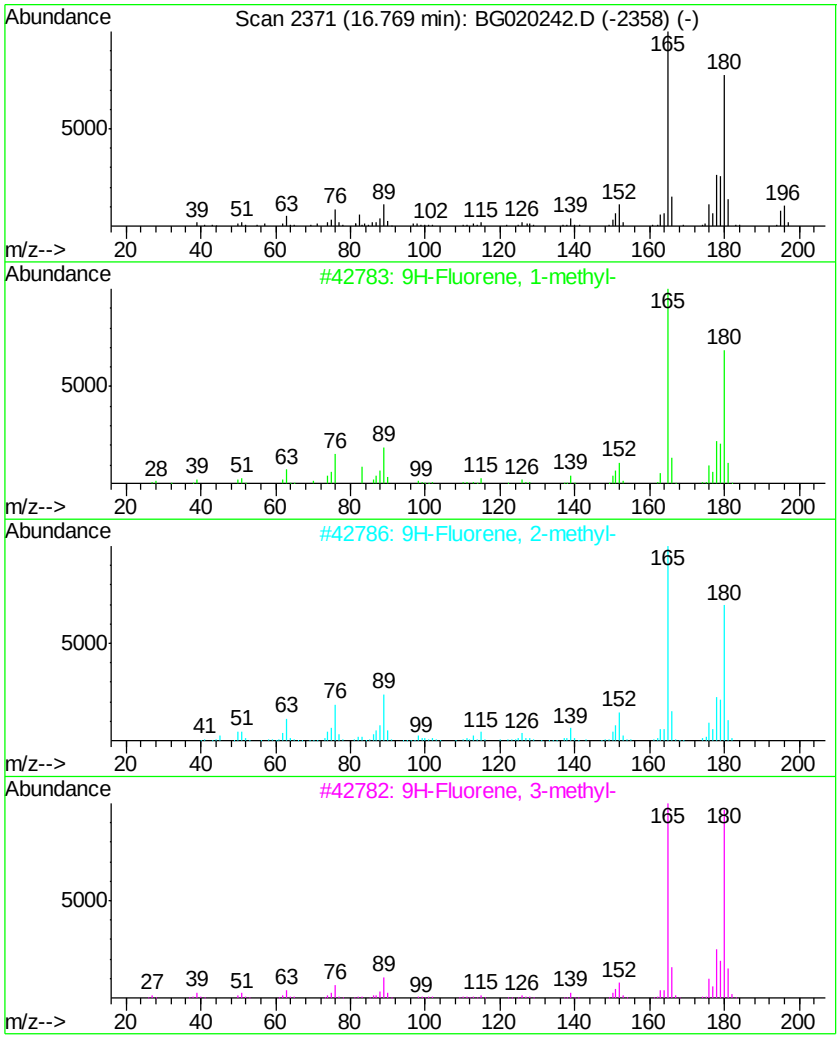
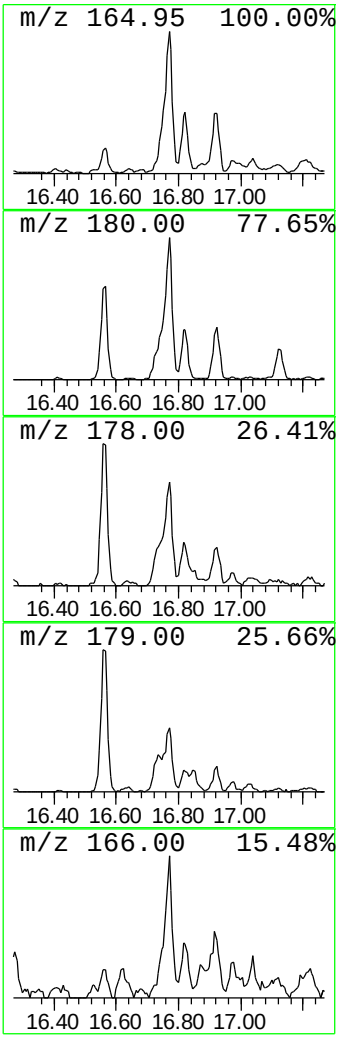
Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	15.72 ng/ul	338842	Phenanthrene-d10	17.47

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, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





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Sample : G4767-21
Misc :
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Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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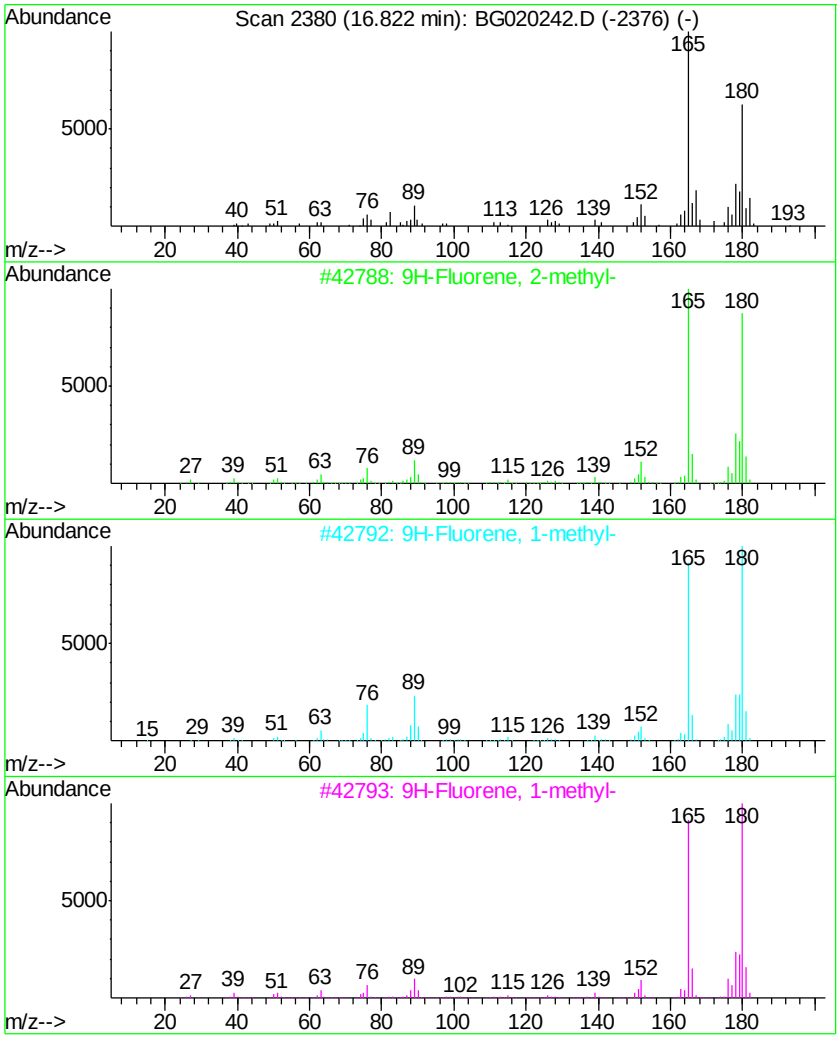
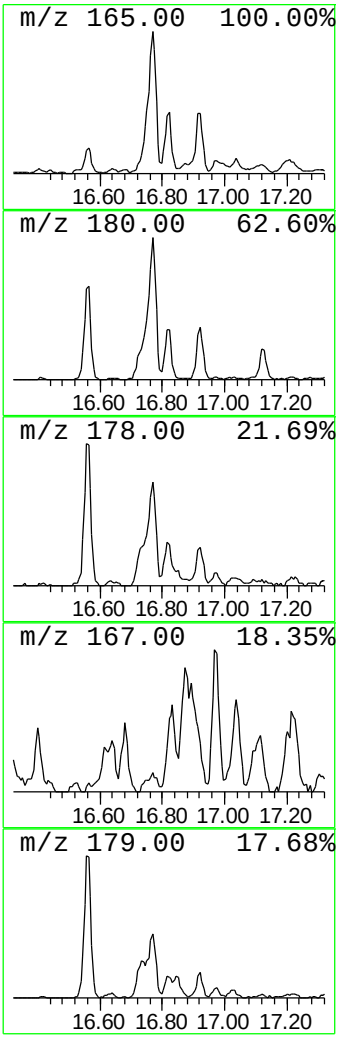
Peak Number 22 9H-Fluorene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	5.06 ng/ul	109067	Phenanthrene-d10	17.47

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	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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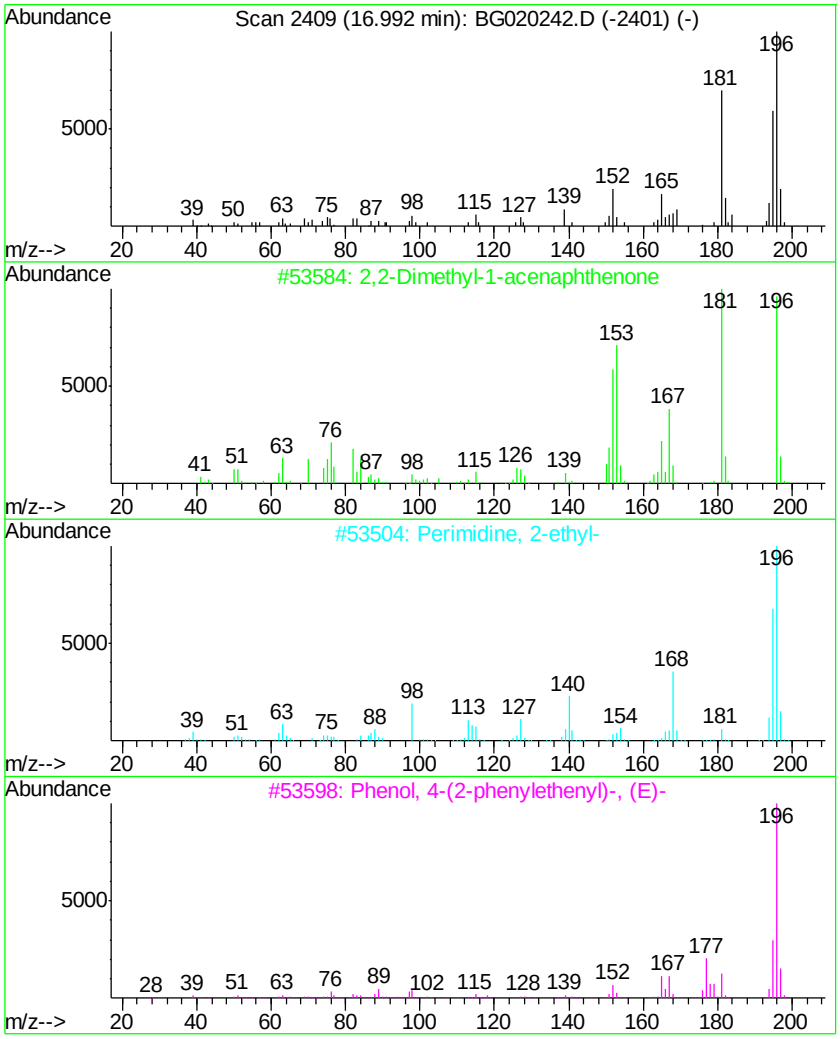
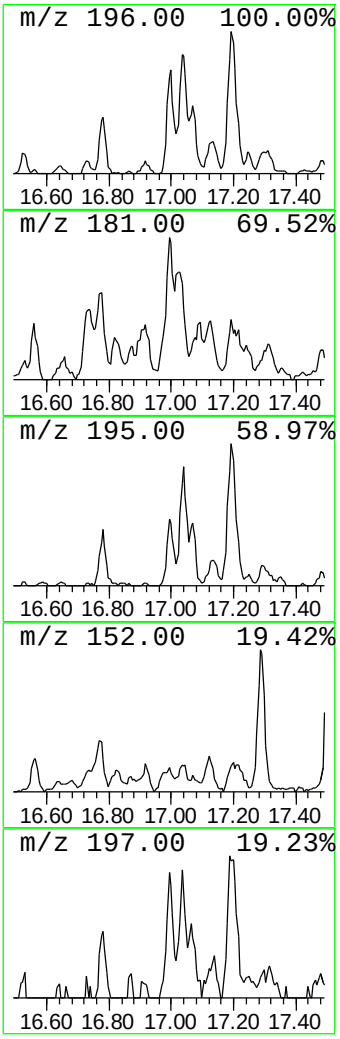
Peak Number 24 2,2-Dimethyl-1-acenaphthenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	5.01 ng/ul	107879	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
4	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	50
5	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	46





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Instrument : BNA_G
ClientSampleId : D9N43

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Quant Title : SVOA CALIBRATION

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

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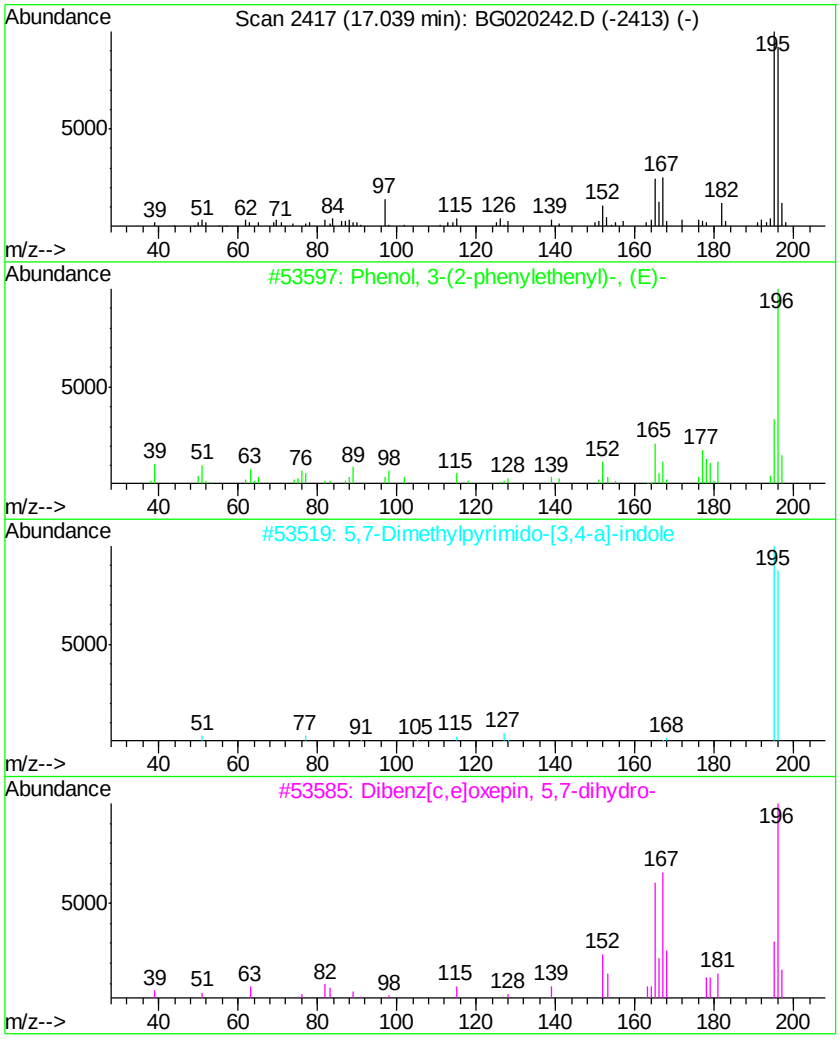
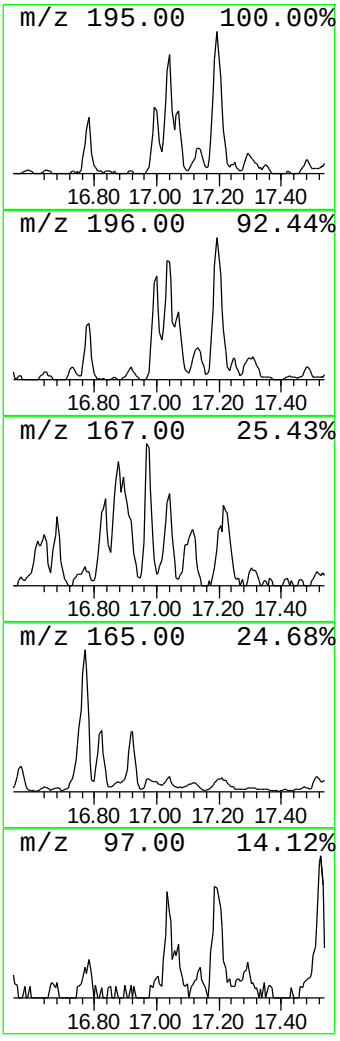
Peak Number 25 Phenol, 3-(2-phenylethenyl)... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	4.31 ng/ul	92875	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	47
4	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	46
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43





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Quant Title : SVOA CALIBRATION

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

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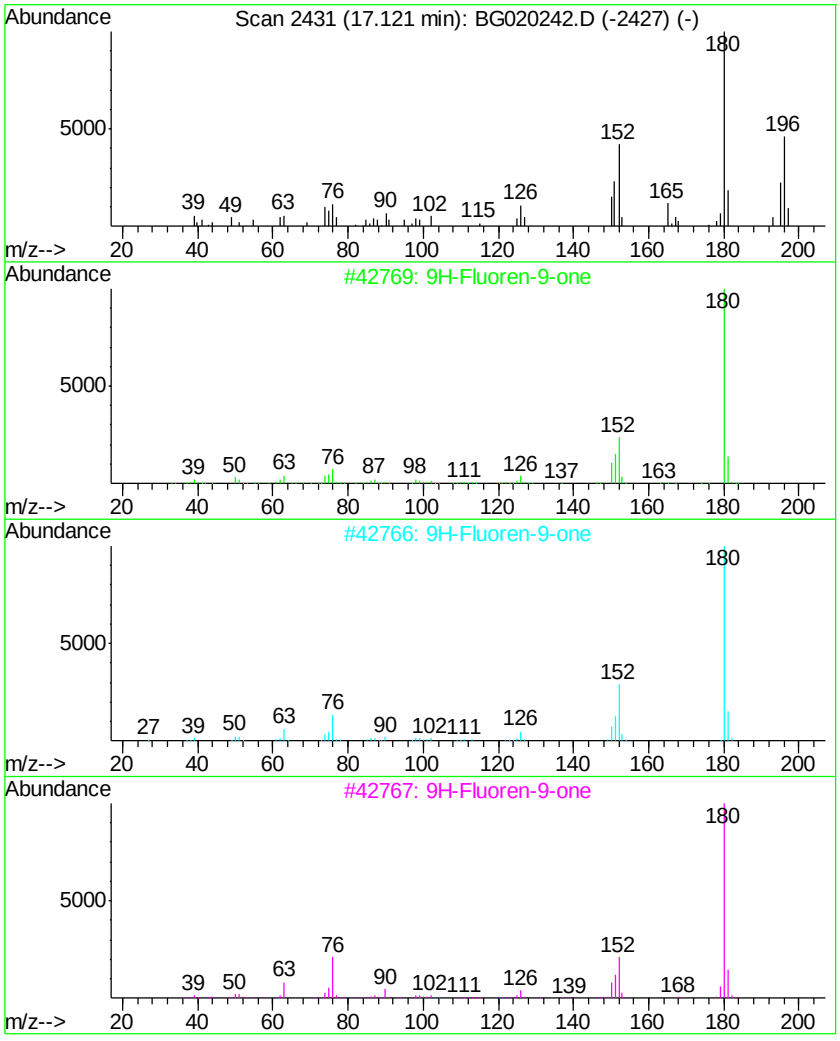
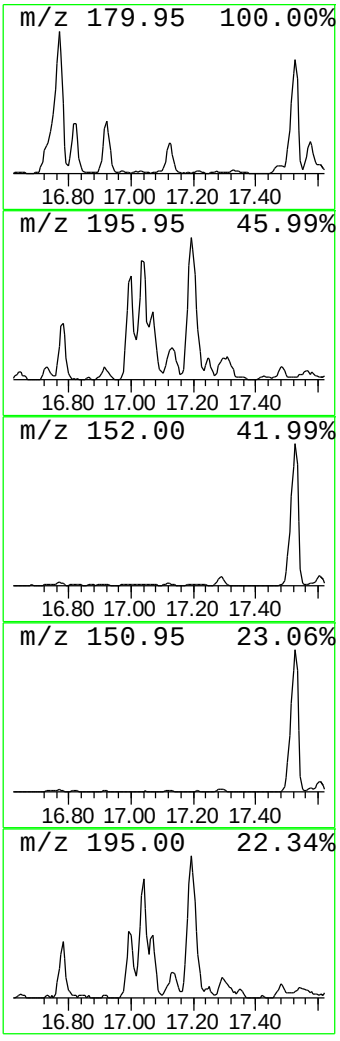
Peak Number 26 9H-Fluoren-9-one Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.75 ng/ul	59270	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





Library Search Compound Report

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Sample : G4767-21
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Quant Title : SVOA CALIBRATION

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

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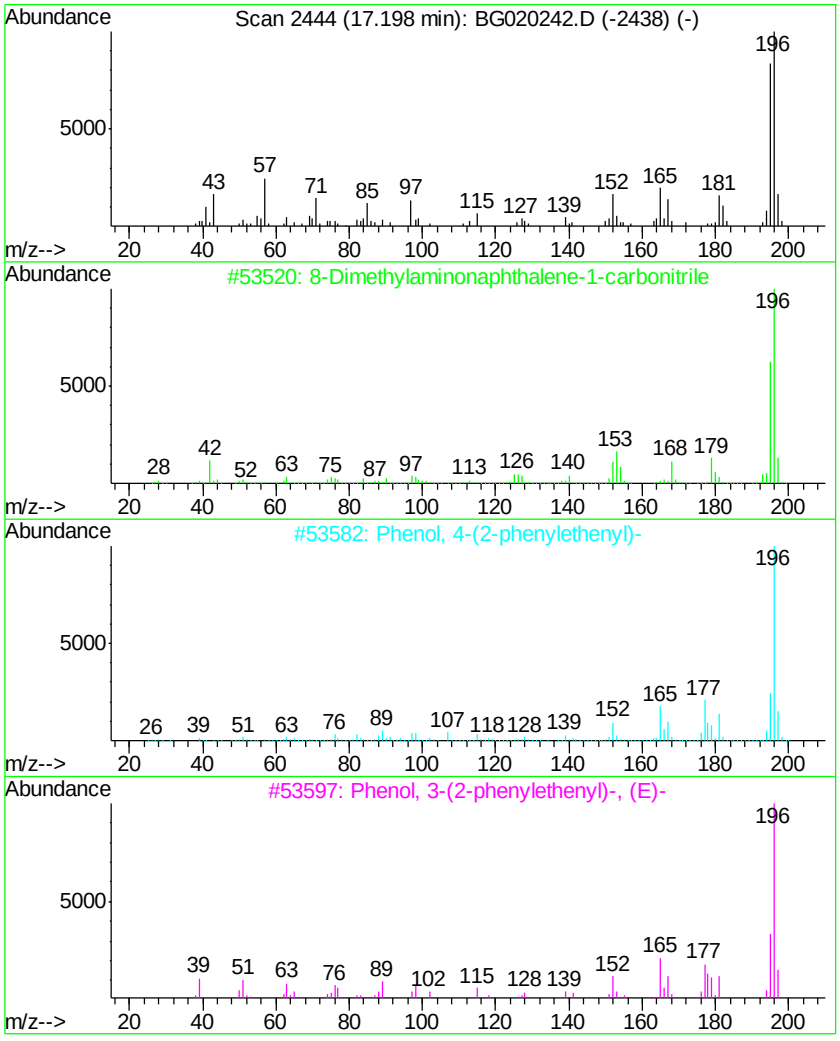
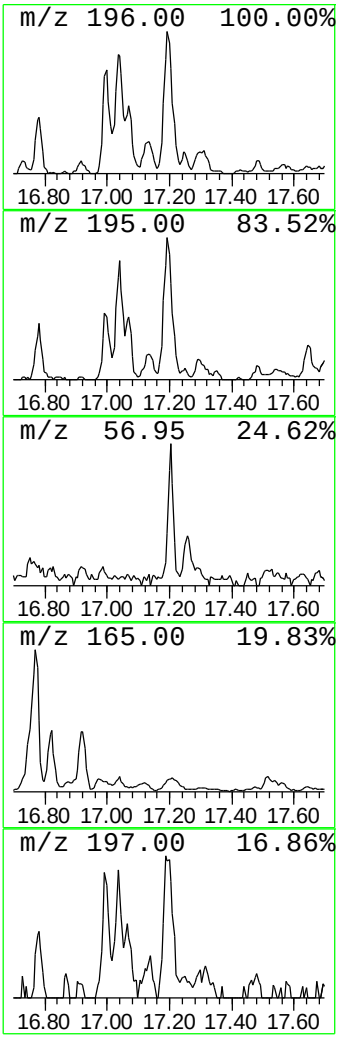
Peak Number 27 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	7.82 ng/ul	168486	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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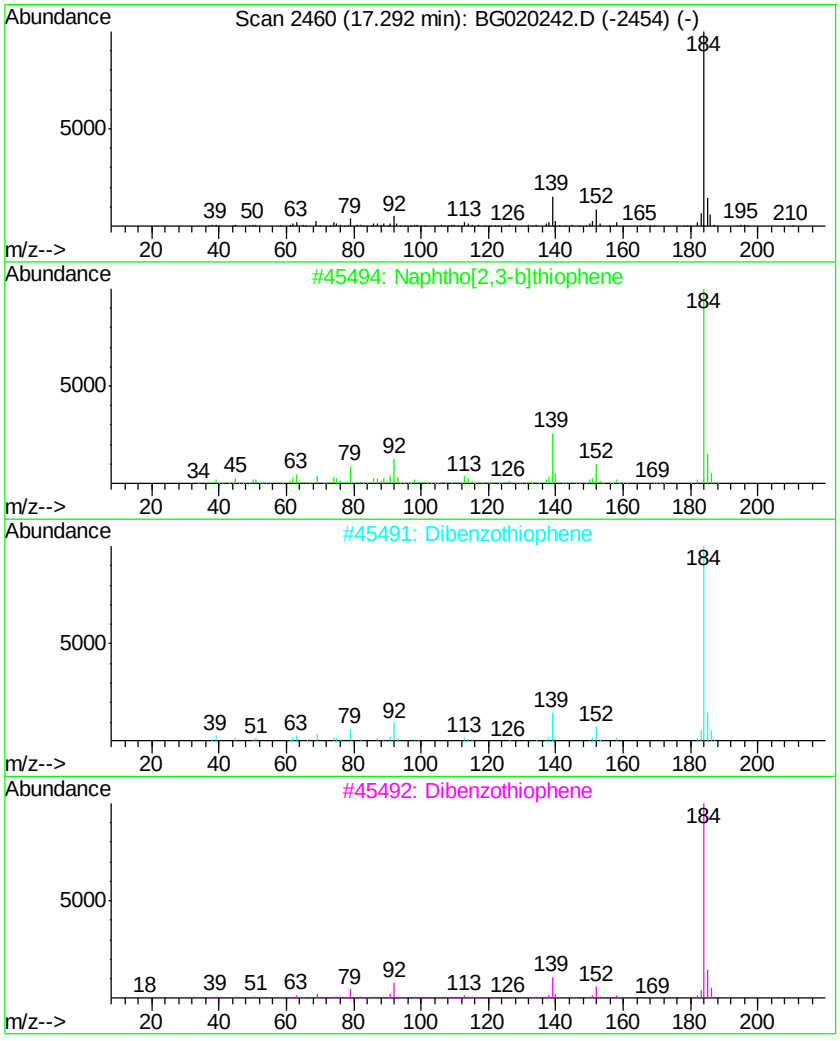
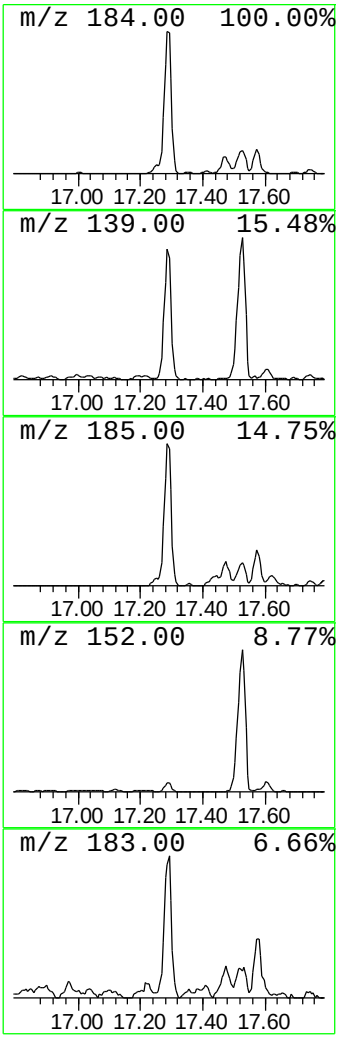
Peak Number 28 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	21.68 ng/ul	467226	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	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Quant Title : SVOA CALIBRATION

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

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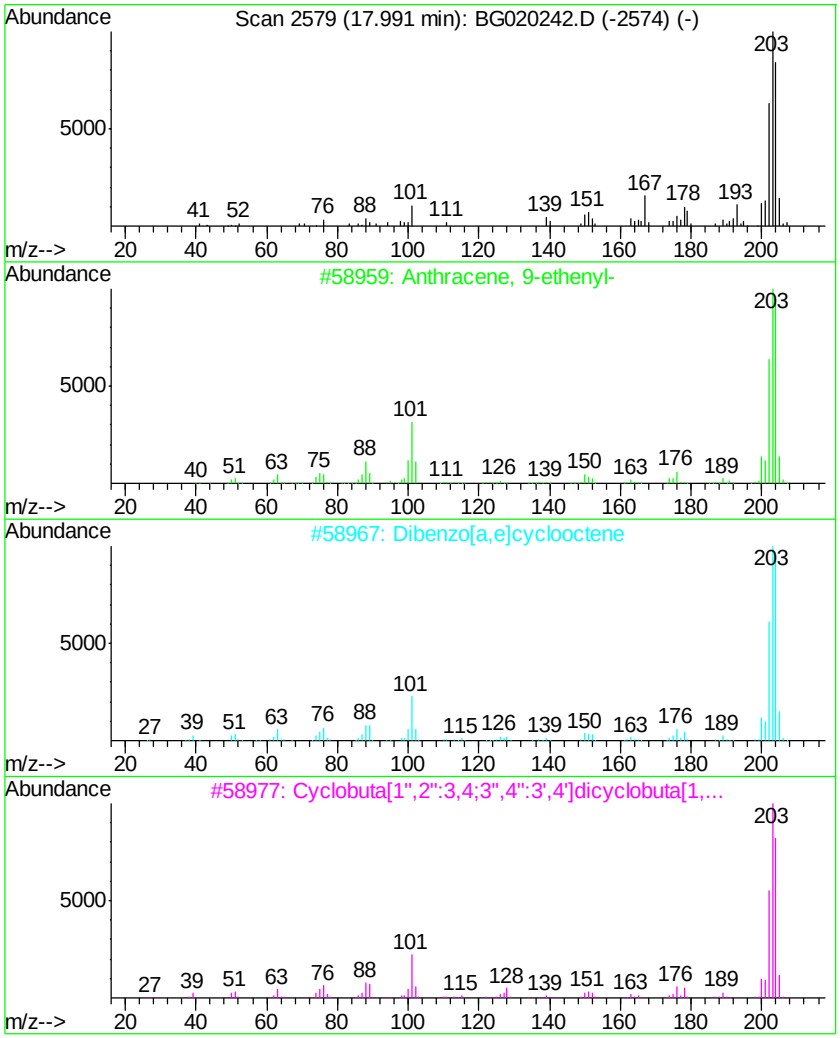
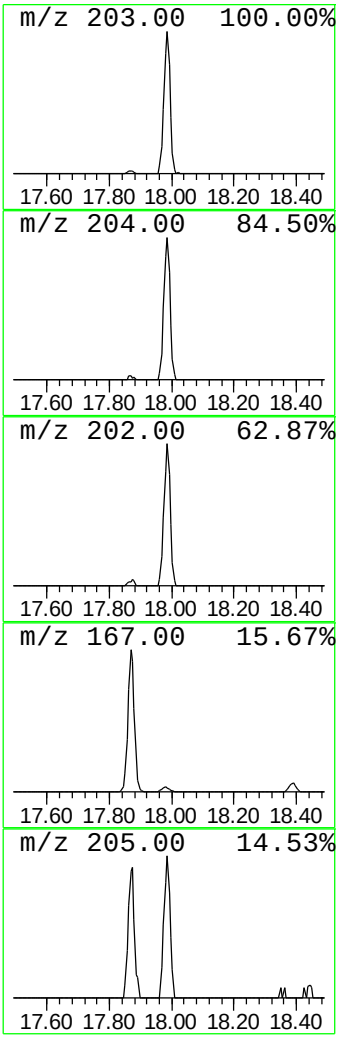
Peak Number 29 Anthracene, 9-ethenyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	3.04 ng/ul	65541	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	93
3	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	86
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





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Quant Title : SVOA CALIBRATION

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

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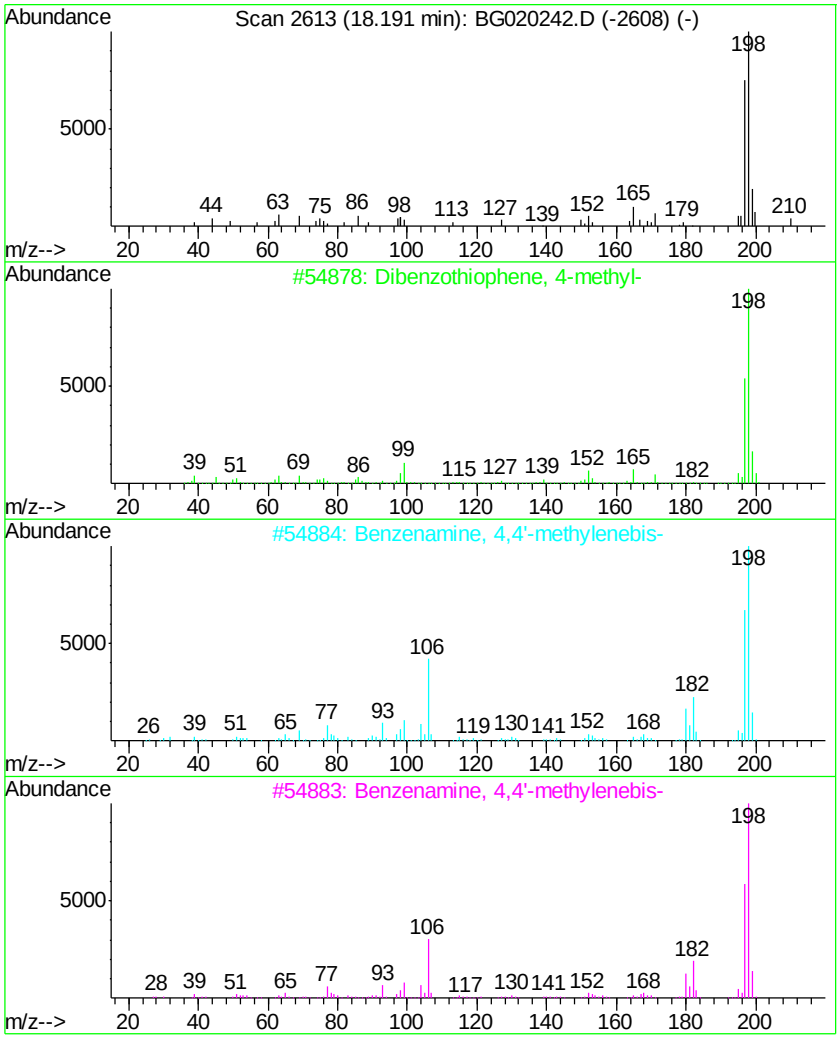
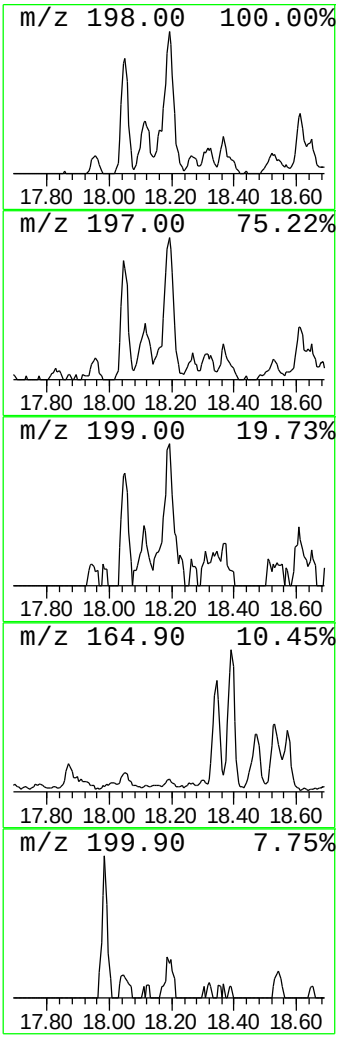
Peak Number 30 Dibenzothiophene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.04 ng/ul	65504	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76





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Quant Title : SVOA CALIBRATION

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

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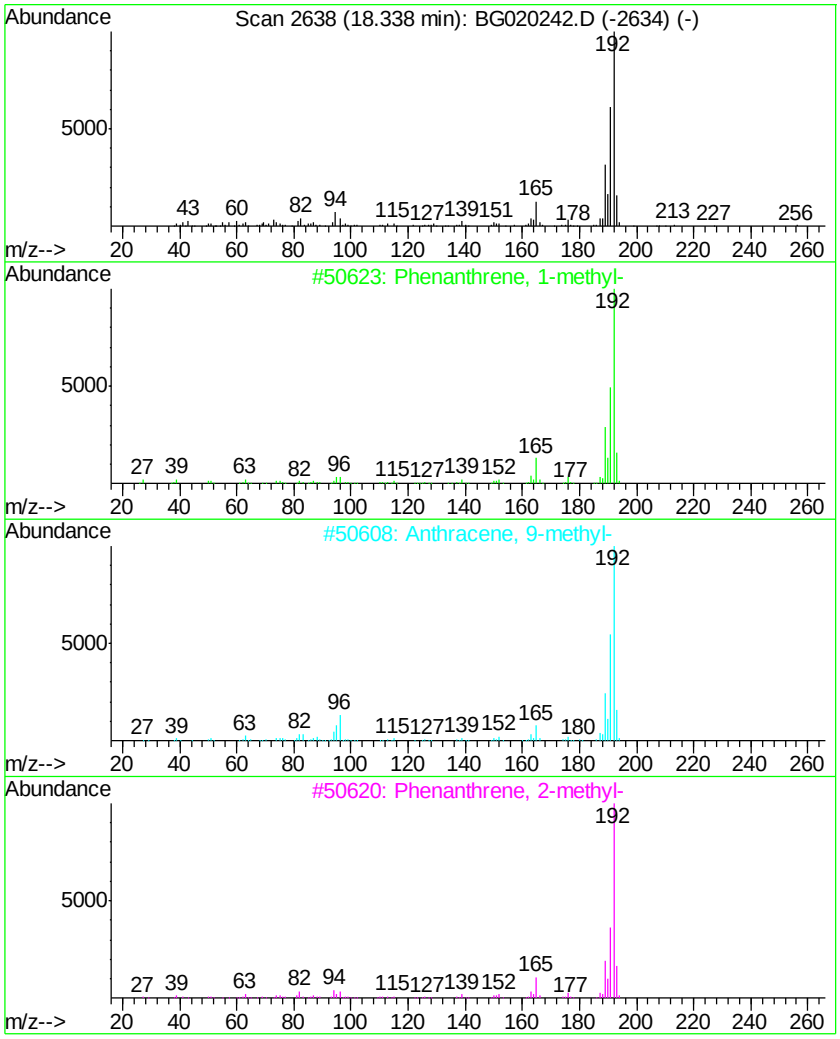
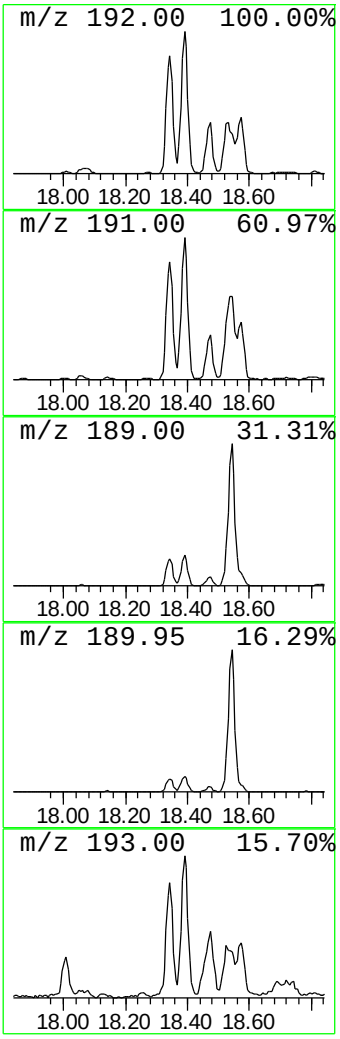
Peak Number 31 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	17.61 ng/ul	379391	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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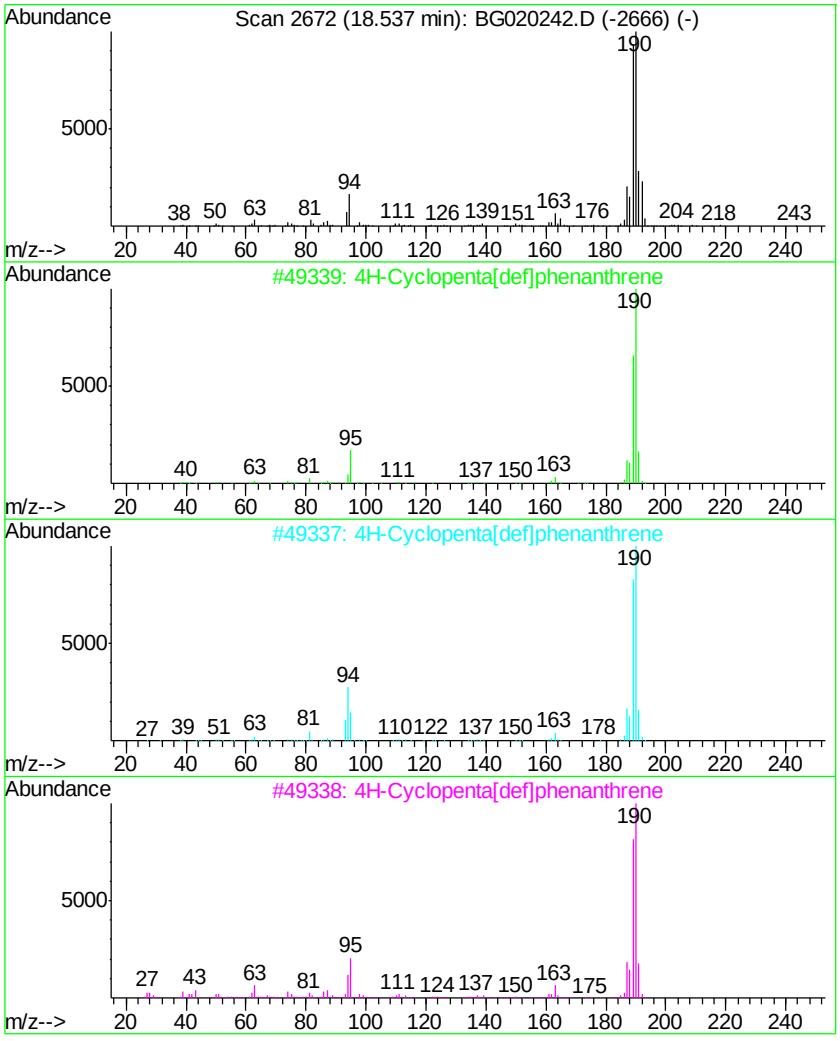
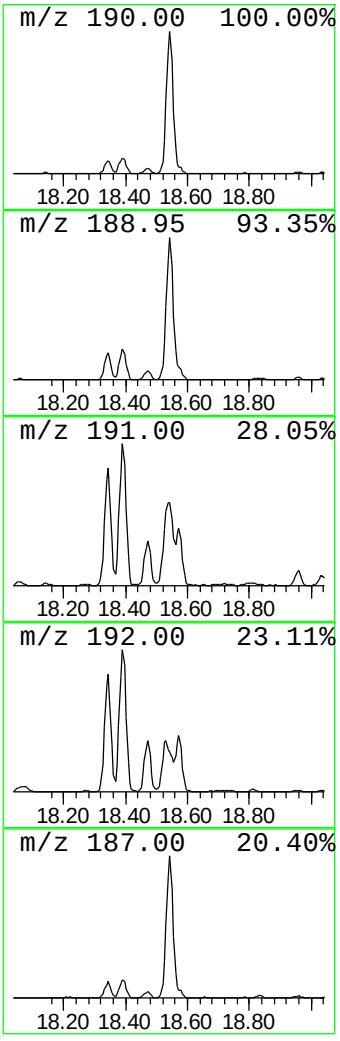
Peak Number 34 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	39.95 ng/ul	860932	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Instrument : BNA_G
ClientSampleId : D9N43

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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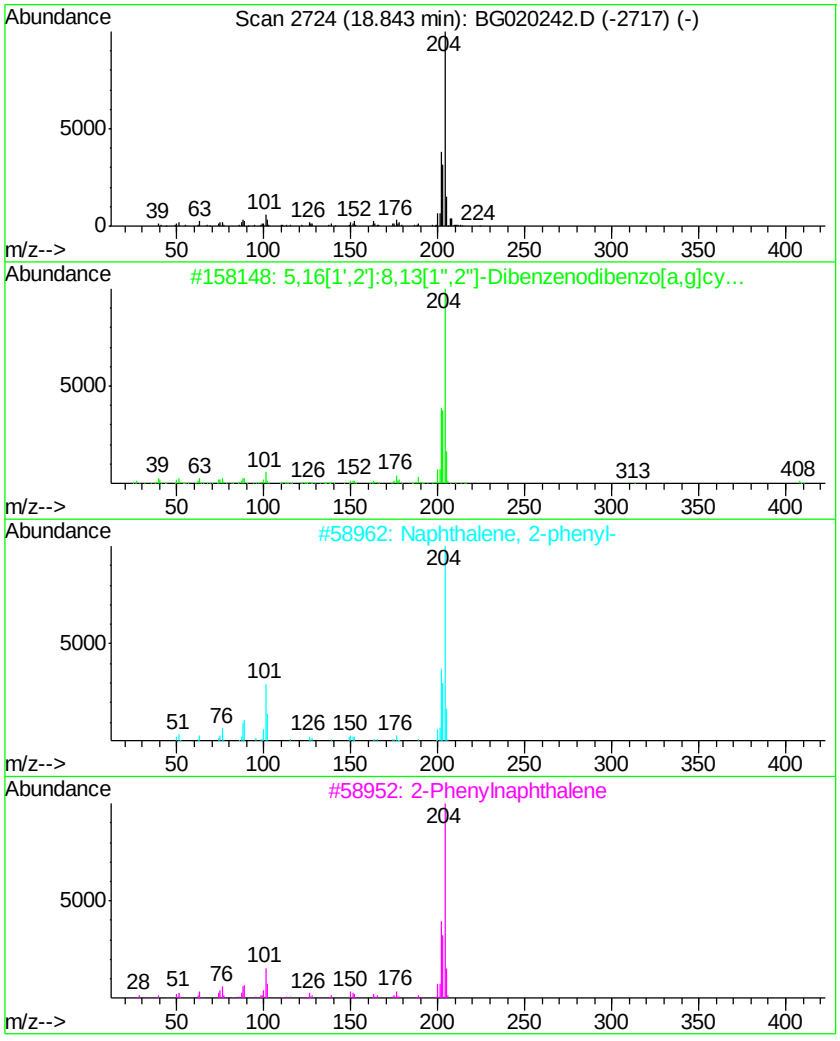
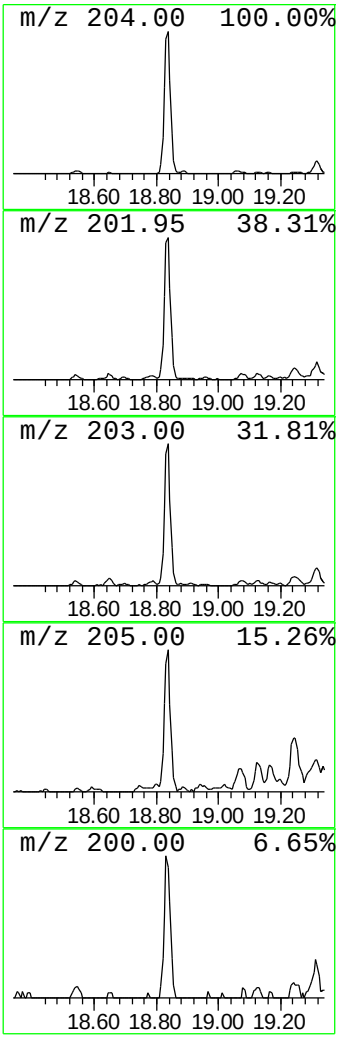
Peak Number 35 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	13.66 ng/ul	294296	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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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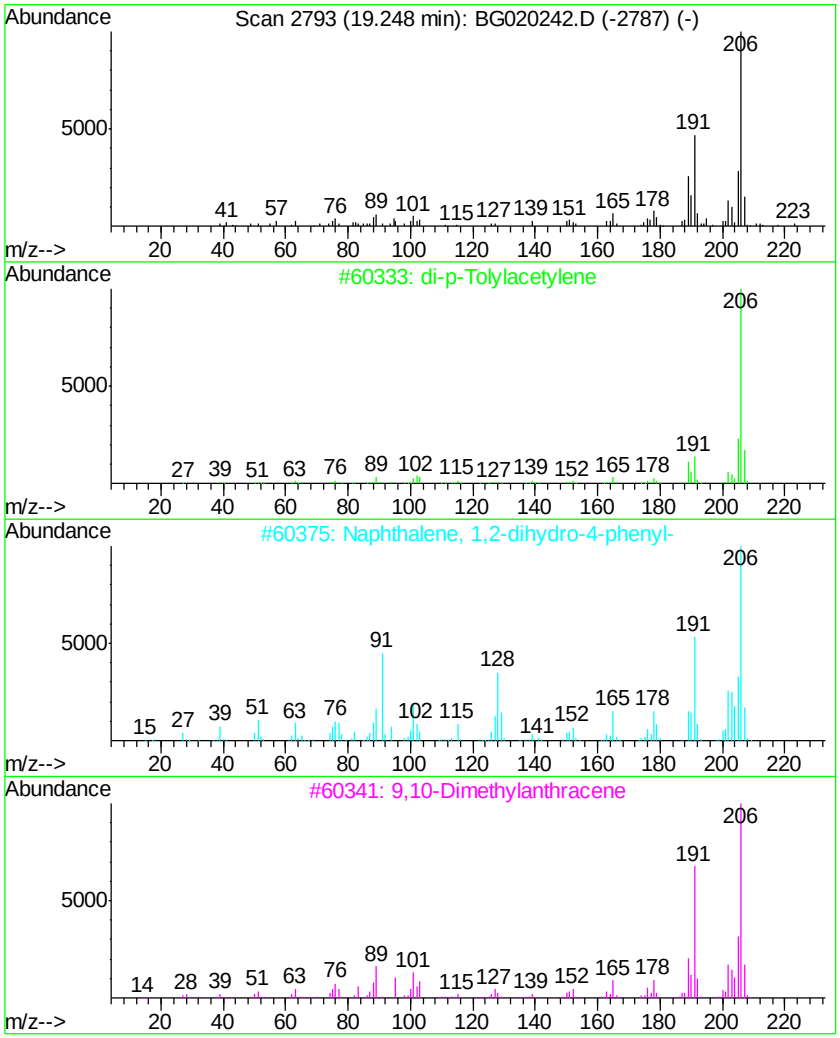
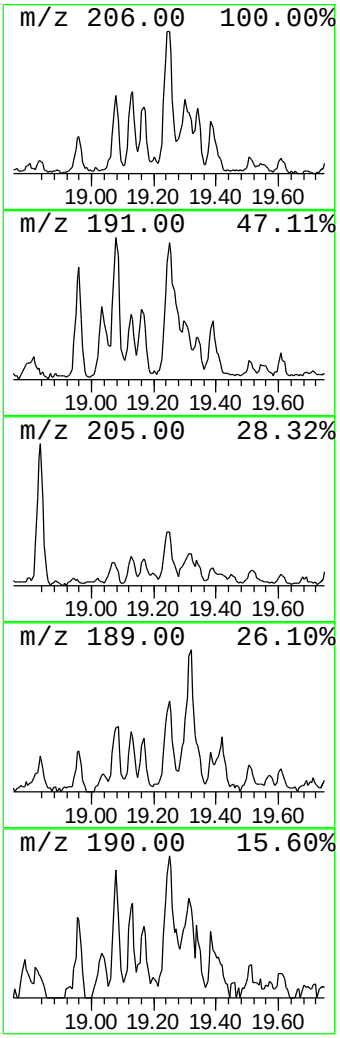
Peak Number 36 di-p-Tolylacetylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	5.81 ng/ul	125226	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
Operator : UM/SJ
Sample : G4767-21
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N43

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
Indene	8.64	26.2	ng/ul	167569	1	8.10	127710	20.0
Quinoline	11.74	6.8	ng/ul	73204	2	10.92	215773	20.0
Naphthalene, 1-et...	13.75	9.8	ng/ul	164578	3	14.73	335641	20.0
Naphthalene, 1,6-...	13.90	18.0	ng/ul	302611	3	14.73	335641	20.0
Naphthalene, 2,3-...	14.05	17.7	ng/ul	296652	3	14.73	335641	20.0
2-Naphthalenecarb...	14.85	7.3	ng/ul	123025	3	14.73	335641	20.0
2-Naphthalenol	15.00	3.5	ng/ul	58150	3	14.73	335641	20.0
1-Isopropenylnaph...	15.04	5.3	ng/ul	88322	3	14.73	335641	20.0
Naphthalene, 1,6,...	15.19	4.3	ng/ul	72314	3	14.73	335641	20.0
Naphthalene, 2,3,...	15.34	3.2	ng/ul	53841	3	14.73	335641	20.0
Benzene, [1-(2,4-...	15.89	7.9	ng/ul	132923	3	14.73	335641	20.0
Benzeneethanol, ...	15.93	14.5	ng/ul	242844	3	14.73	335641	20.0
Naphthalene, 1-(2...	15.98	3.6	ng/ul	60027	3	14.73	335641	20.0
1,1'-Biphenyl, 2-...	16.02	5.8	ng/ul	98081	3	14.73	335641	20.0
Pyrido[2,3-d]indo...	16.06	16.6	ng/ul	279143	3	14.73	335641	20.0
2,4,6-Cycloheptat...	16.20	18.6	ng/ul	400652	4	17.47	430973	20.0
Anthracene, 9,10-...	16.56	9.0	ng/ul	193124	4	17.47	430973	20.0
9H-Fluorene, 1-me...	16.77	15.7	ng/ul	338842	4	17.47	430973	20.0
9H-Fluorene, 2-me...	16.82	5.1	ng/ul	109067	4	17.47	430973	20.0
2,2-Dimethyl-1-ac...	16.99	5.0	ng/ul	107879	4	17.47	430973	20.0
Phenol, 3-(2-phen...	17.04	4.3	ng/ul	92875	4	17.47	430973	20.0
9H-Fluoren-9-one	17.12	2.8	ng/ul	59270	4	17.47	430973	20.0
8-Dimethylaminona...	17.20	7.8	ng/ul	168486	4	17.47	430973	20.0
Naphtho[2,3-b]thi...	17.29	21.7	ng/ul	467226	4	17.47	430973	20.0
Anthracene, 9-eth...	17.99	3.0	ng/ul	65541	4	17.47	430973	20.0
Dibenzothiophene,...	18.19	3.0	ng/ul	65504	4	17.47	430973	20.0
Phenanthrene, 1-m...	18.34	17.6	ng/ul	379391	4	17.47	430973	20.0
4H-Cyclopenta[def...	18.54	40.0	ng/ul	860932	4	17.47	430973	20.0
5,16[1',2']:8,13[...	18.84	13.7	ng/ul	294296	4	17.47	430973	20.0
di-p-Tolylacetylene	19.25	5.8	ng/ul	125226	4	17.47	430973	20.0