LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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	3.199	56	61	73	rVB	285634	400437	1.12%	0.161%
2	8.094	888	894	903	rBV	174689	302932	0.85%	0.122%
3	10.538	1302	1310	1318	rVB3	216336	444143	1.25%	0.179%
4	10.926	1368	1376	1378	rVV	203922	420738	1.18%	0.170%
5	10.996	1378	1388	1393	rVV	4218104	10148996	28.45%	4.089%
6	12.588	1646	1659	1665	rBV	4448006	9551460	26.78%	3.849%
7	12.800	1682	1695	1701	rVB	2651386	4751166	13.32%	1.914%
8	13.570	1813	1826	1832	rBV	2143953	3465427	9.72%	1.396%
9	13.763	1852	1859	1869	rVB	775791	1473441	4.13%	0.594%
10	13.910	1869	1884	1891	rBV	957354	2607188	7.31%	1.051%
11	14.057	1900	1909	1913	rBV	1230884	2354419	6.60%	0.949%
12	14.110	1913	1918	1921	rBV	787796	1185601	3.32%	0.478%
13	14.187	1927	1931	1937	rVB	192692	299222	0.84%	0.121%
14	14.286	1937	1948	1952	rBV	608773	1012221	2.84%	0.408%
15	14.427	1965	1972	1973	rBV2	366430	557530	1.56%	0.225%
16	14.451	1973	1976	1982	rVB	666755	1032105	2.89%	0.416%
17	14.721	2010	2022	2029	rVV2	952587	1936534	5.43%	0.780%
18	14.827	2029	2040	2045	rVV	6240235	15463101	43.35%	6.231%
19	14.868	2045	2047	2052	rVV	292629	379591	1.06%	0.153%
20	14.927	2052	2057	2068	rVV2	312411	762333	2.14%	0.307%
21	15.038	2068	2076	2081	rVV	475639	827725	2.32%	0.334%
22	15.156	2086	2096	2100	rVV	4668949	10362414	29.05%	4.175%
23	15.197	2100	2103	2119	rVV	306825	562417	1.58%	0.227%
24	15.338	2119	2127	2132	rVV2	248334	462724	1.30%	0.186%
25	15.391	2132	2136	2148	rVB2	276725	457811	1.28%	0.184%
26	15.509	2148	2156	2160	rBV2	192746	441298	1.24%	0.178%
27	15.550	2160	2163	2168	rVV3	165297	307244	0.86%	0.124%
28	15.720	2185	2192	2197	rVV2	377494	1023678	2.87%	0.412%
29	15.808	2197	2207	2212	rVV	5872995	13904561	38.98%	5.603%
30	15.879	2212	2219	2221	rVV	556279	904537	2.54%	0.364%
31	15.908	2221	2224	2227	rVV	709189	1159236	3.25%	0.467%
32	15.943	2227	2230	2235	rVV2	1256171	1999153	5.60%	0.806%
33	15.990	2235	2238	2241	rVV2	310145	492098	1.38%	0.198%
34	16.031	2241	2245	2248	rVV	737929	1188325	3.33%	0.479%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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	16.073	2248	2252	2260	rVV	1313637	2027941	5.69%	0.817%
36	16.219	2261	2277	2284	rVV	1379330	3318025	9.30%	1.337%
37	16.308	2288	2292	2297	rVV	263519	410083	1.15%	0.165%
38	16.566	2331	2336	2342	rVB	718756	1067088	2.99%	0.430%
39	16.778	2360	2372	2376	rBV2	994676	2239186	6.28%	0.902%
40	16.825	2376	2380	2385	rBV2	341091	479612	1.34%	0.193%
41	16.924	2391	2397	2402	rVB3	400165	727683	2.04%	0.293%
42	17.042	2413	2417	2421	rVB2	269708	362245	1.02%	0.146%
43	17.136	2428	2433	2439	rVB5	142536	358098	1.00%	0.144%
44	17.207	2439	2445	2454	rVV5	428538	1237773	3.47%	0.499%
45	17.301	2454	2461	2471	rVB	2029040	3393581	9.51%	1.367%
46	17.588	2483	2510	2513	rBV	9392026	35668095	100.00%	14.372%
47	17.612	2513	2514	2515	rVV	913855	611151	1.71%	0.246%
48	17.653	2515	2521	2529	rVV	4875159	8346331	23.40%	3.363%
49	17.765	2534	2540	2547	rVV2	172155	414886	1.16%	0.167%
50	17.888	2553	2561	2568	rVV	1860195	3342195	9.37%	1.347%
51	17.994	2575	2579	2586	rVV2	482582	766323	2.15%	0.309%
52	18.058	2586	2590	2599	rVB3	226063	446215	1.25%	0.180%
53	18.199	2609	2614	2622	rVV	190270	409453	1.15%	0.165%
54	18.352	2630	2640	2644	rVV	1633225	2736218	7.67%	1.103%
55	18.405	2644	2649	2654	rVB	2209510	3342337	9.37%	1.347%
56	18.487	2654	2663	2668	rBV	856282	1489920	4.18%	0.600%
57	18.564	2668	2676	2685	rVV2	3025406	6852215	19.21%	2.761%
58	18.640	2685	2689	2694	rVV3	209481	344487	0.97%	0.139%
59	18.846	2718	2724	2729	rVV	1438975	2122528	5.95%	0.855%
60	19.081	2760	2764	2769	rVV3	293867	419746	1.18%	0.169%
61	19.251	2787	2793	2799	rBV	449623	905151	2.54%	0.365%
62	19.322	2801	2805	2813	rVB3	327063	661539	1.85%	0.267%
63	19.563	2833	2846	2850	rBV	7326279	18411737	51.62%	7.419%
64	19.768	2876	2881	2886	rVV	438411	693228	1.94%	0.279%
65	19.892	2892	2902	2903	rBV3	4644539	8584260	24.07%	3.459%
66	19.921	2904	2907	2910	rVV2	5778800	7597329	21.30%	3.061%
67	19.956	2910	2913	2920	rVB2	534716	742247	2.08%	0.299%
68	20.062	2925	2931	2936	rVB	669035	938446	2.63%	0.378%
69	20.197	2948	2954	2961	rBV2	560950	1483212	4.16%	0.598%
70	20.256	2961	2964	2971	rVB	319759	416970	1.17%	0.168%
71	20.338	2972	2978	2979	rBV	327338	529194	1.48%	0.213%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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	20.379	2979	2985	2989	rVB	1735538	2678113	7.51%	1.079%
73	20.479	2994	3002	3005	rBV	1969945	3021683	8.47%	1.218%
74	20.532	3005	3011	3014	rVV2	536499	1018637	2.86%	0.410%
75	20.567	3014	3017	3020	rVV	356153	406888	1.14%	0.164%
76	20.608	3020	3024	3029	rVB2	192921	308871	0.87%	0.124%
77	20.673	3030	3035	3038	rBV	289292	422842	1.19%	0.170%
78	20.714	3038	3042	3046	rBV2	270332	305016	0.86%	0.123%
79	20.890	3068	3072	3076	rVV	276362	380189	1.07%	0.153%
80	21.084	3100	3105	3110	rBV	214400	411116	1.15%	0.166%
81	21.319	3140	3145	3149	rBV	492021	793825	2.23%	0.320%
82	21.366	3149	3153	3157	rVV	561755	878702	2.46%	0.354%
83	21.413	3157	3161	3166	rVV2	472528	833379	2.34%	0.336%
84	21.601	3185	3193	3202	rBV	158396	391566	1.10%	0.158%
85	21.742	3206	3217	3223	rVV3	2404719	5944240	16.67%	2.395%
86	21.807	3223	3228	3239	rVB	1923434	3449055	9.67%	1.390%
87	21.954	3247	3253	3260	rBV	544461	887404	2.49%	0.358%
88	22.160	3281	3288	3295	rBV2	268789	533609	1.50%	0.215%
89	22.483	3335	3343	3349	rVV	242555	666960	1.87%	0.269%
90	22.553	3350	3355	3362	rVV2	133622	317325	0.89%	0.128%
91	22.700	3376	3380	3386	rVV3	146925	317257	0.89%	0.128%
92	22.812	3394	3399	3407	rVV3	200707	451208	1.27%	0.182%
93	23.987	3587	3599	3606	rBV	577723	2040303	5.72%	0.822%
94	24.046	3606	3609	3616	rVB	349577	633820	1.78%	0.255%
95	24.715	3714	3723	3730	rVV	251746	742377	2.08%	0.299%
96	24.792	3730	3736	3742	rVV	278652	762125	2.14%	0.307%
97	24.868	3742	3749	3764	rVV	412176	1185664	3.32%	0.478%
98	25.021	3764	3775	3782	rVV2	343128	1069972	3.00%	0.431%
99	25.097	3782	3788	3802	rVB	119422	365965	1.03%	0.147%
100	28.740	4393	4408	4426	rVB3	85378	424900	1.19%	0.171%

Sum of corrected areas: 248181545

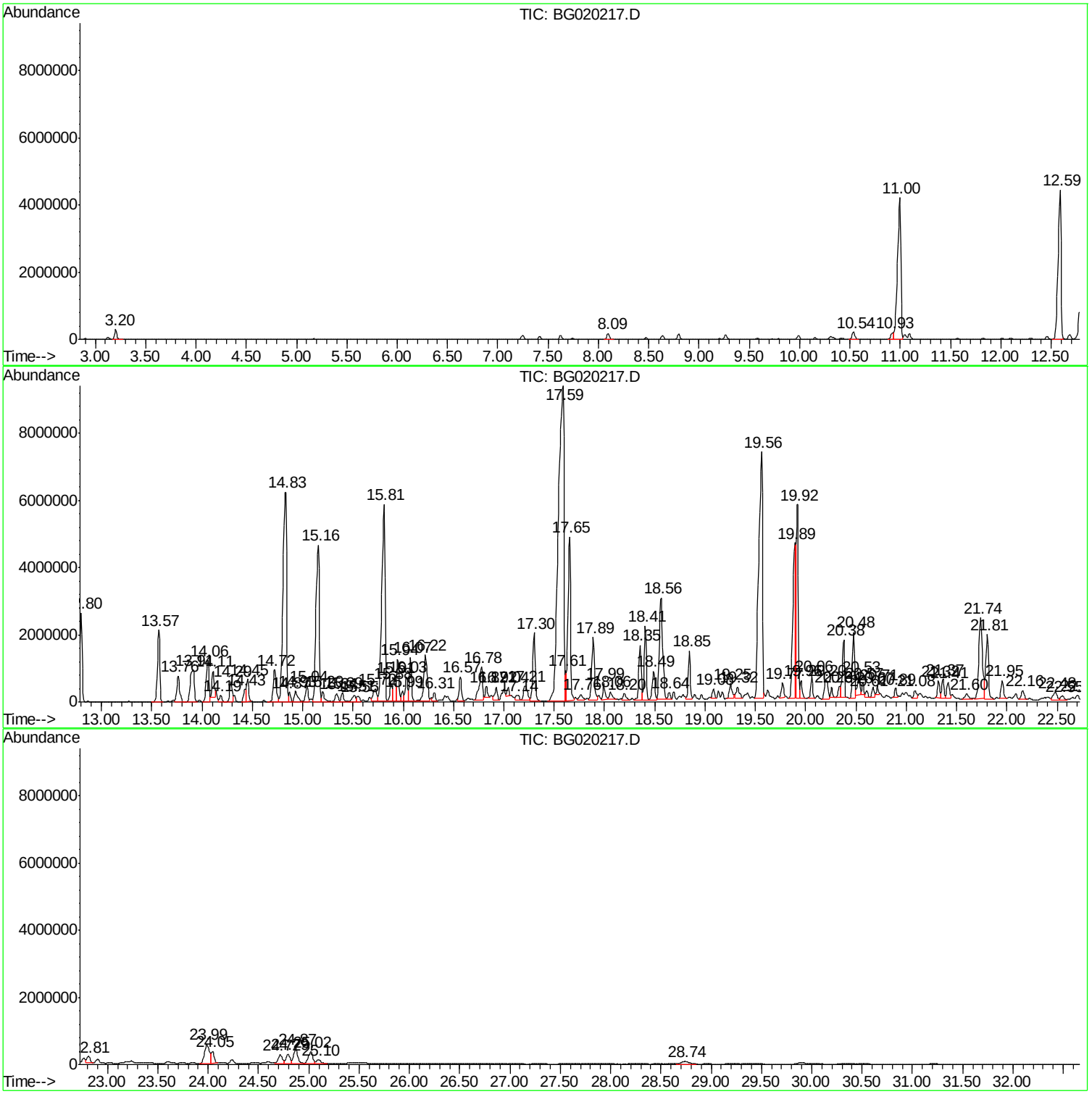
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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 : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

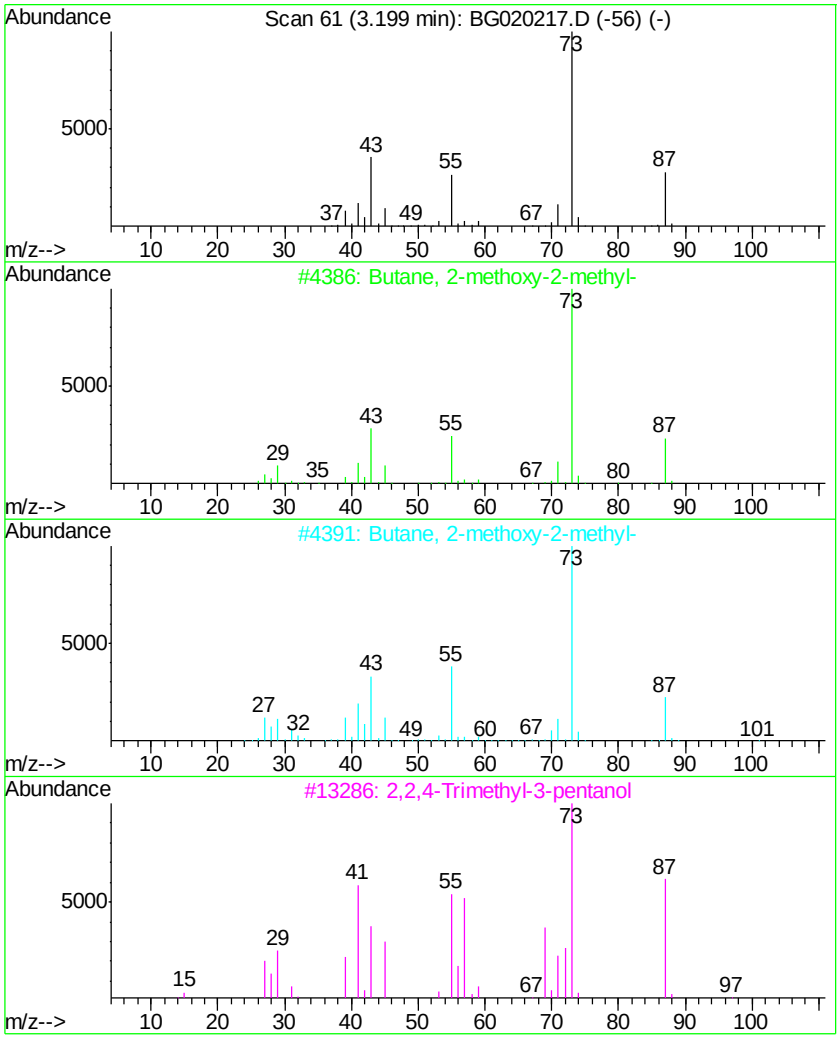
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

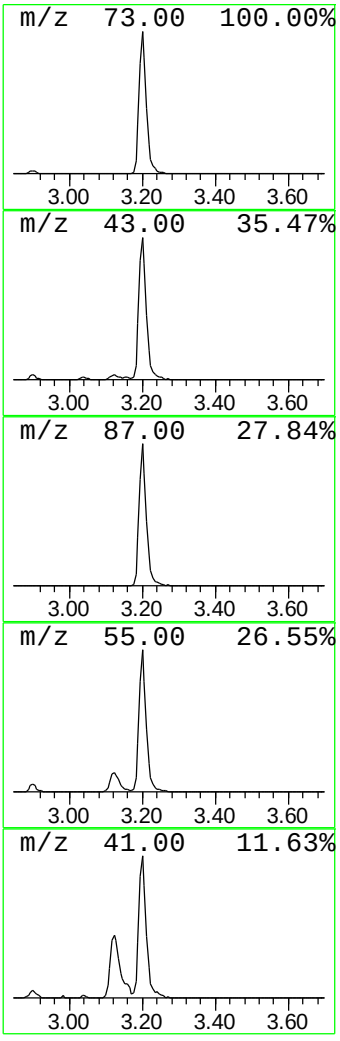
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	26.44 ng/ul	400437	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

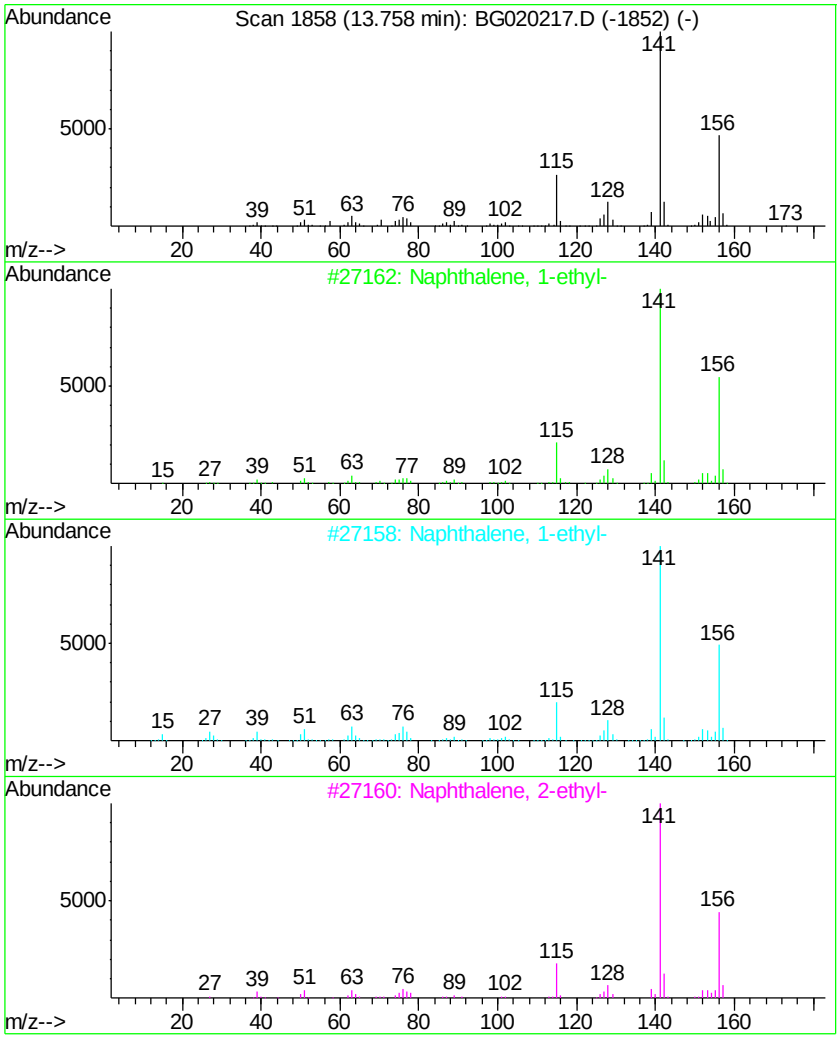
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

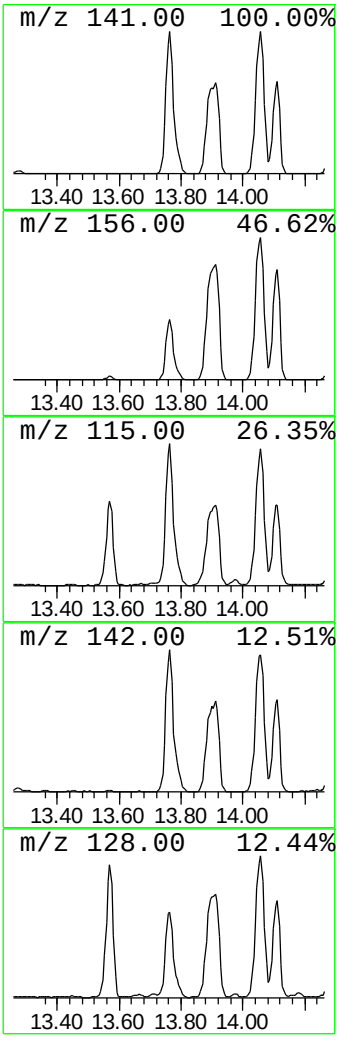
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	15.22 ng/ul	1473440	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, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

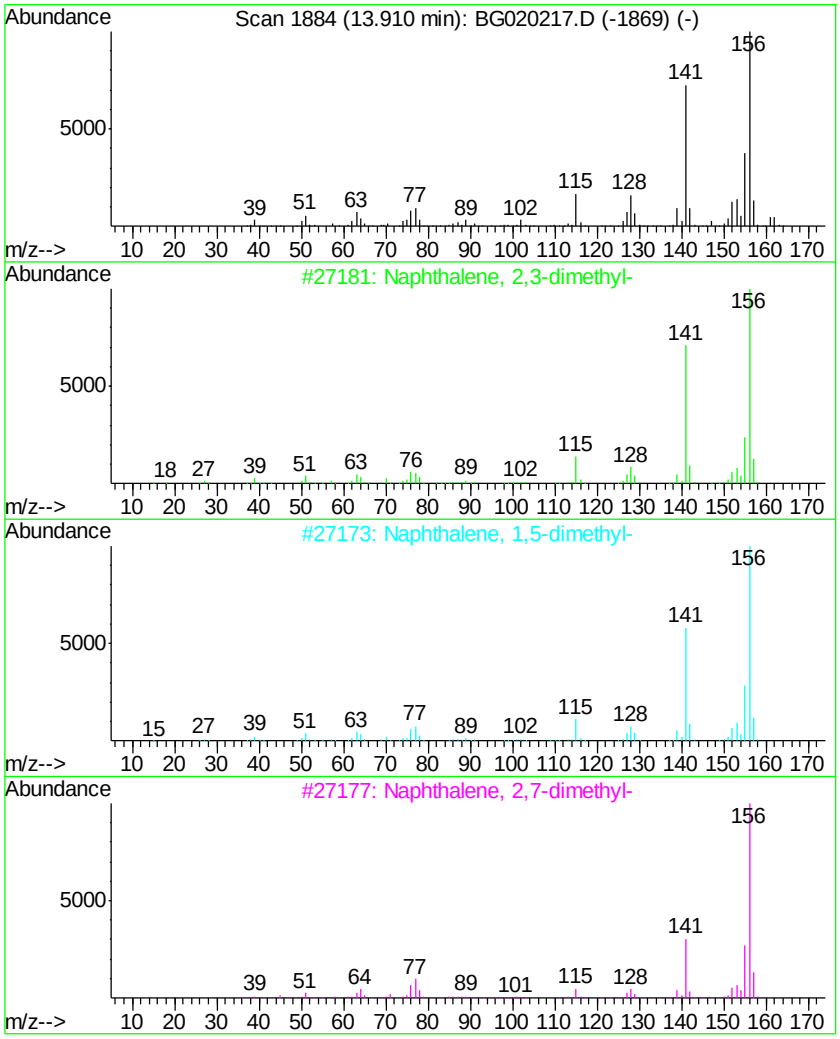
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

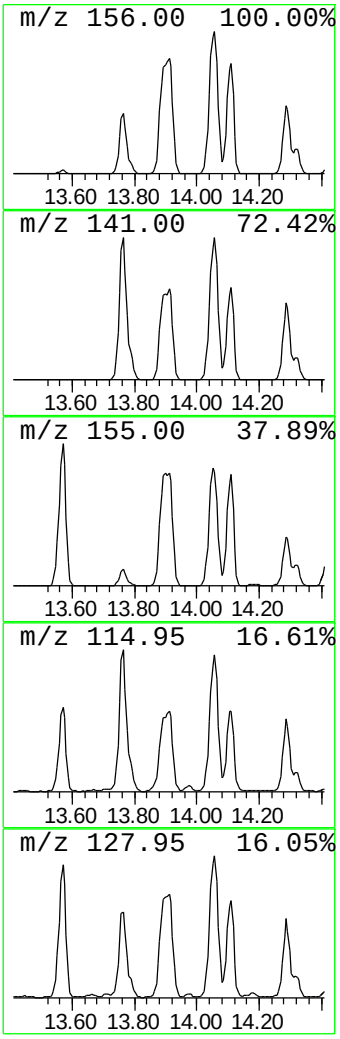
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	26.93 ng/ul	2607190	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

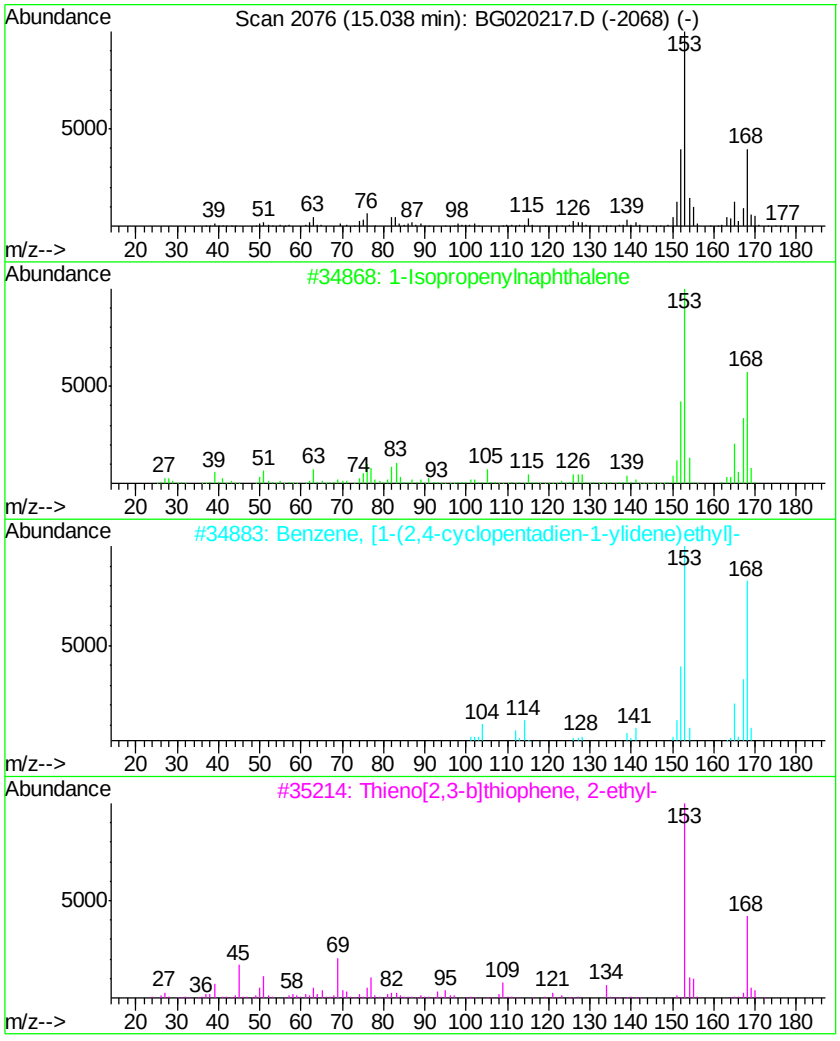
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

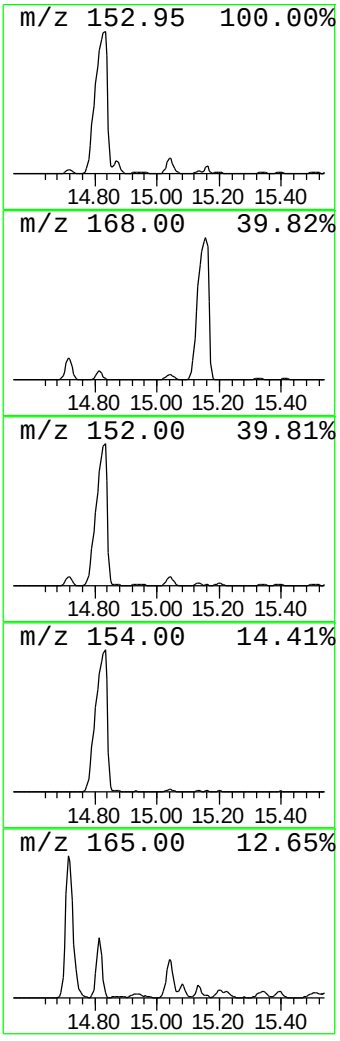
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	8.55 ng/ul	827725	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

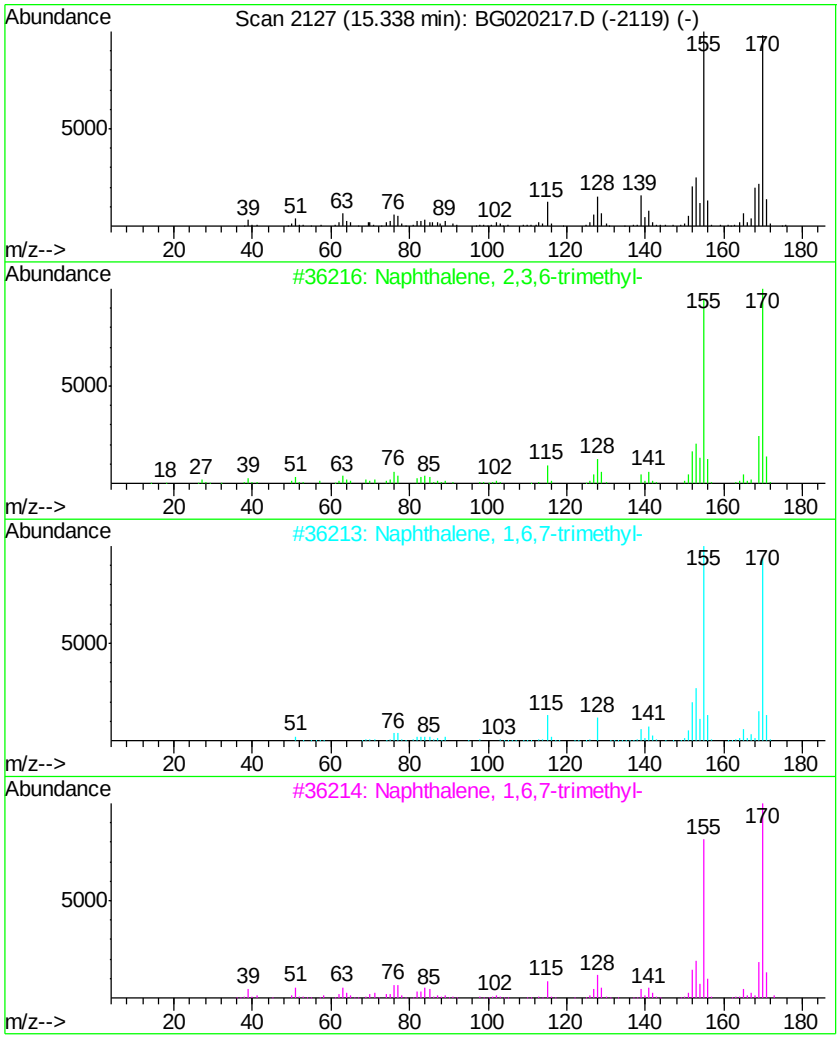
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

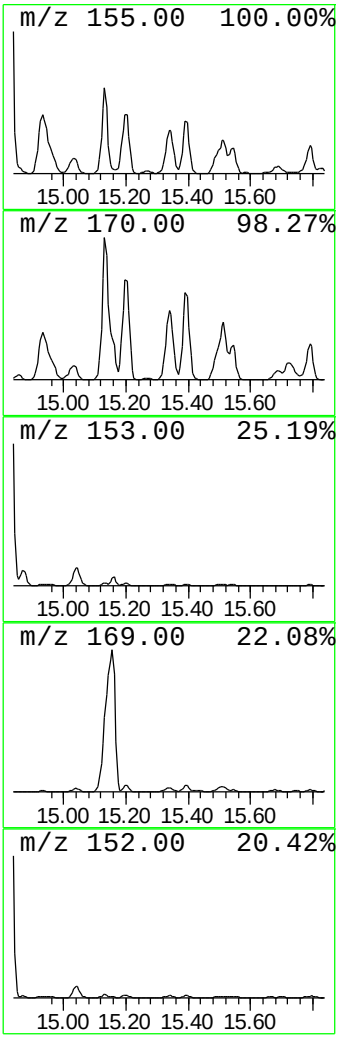
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.78 ng/ul	462724	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Operator : UM/SJ
Sample : G4767-07
Misc :
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Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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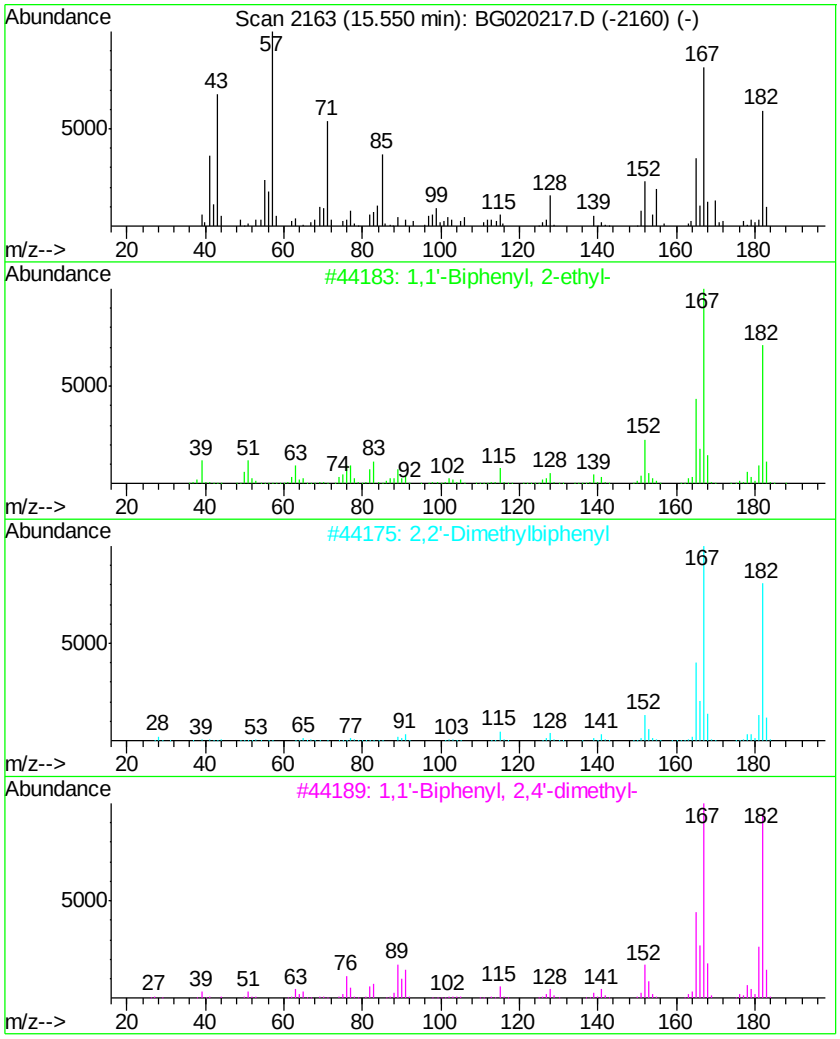
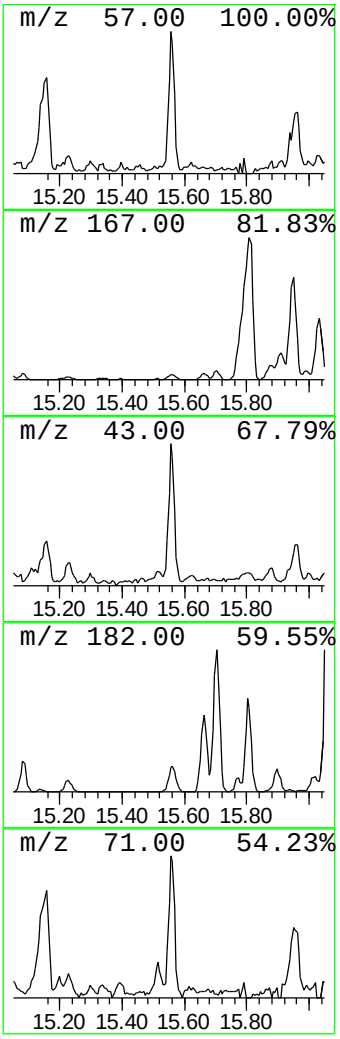
Peak Number 10 1,1'-Biphenyl, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.17 ng/ul	307244	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	78
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	64
3	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	49
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	49
5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	49





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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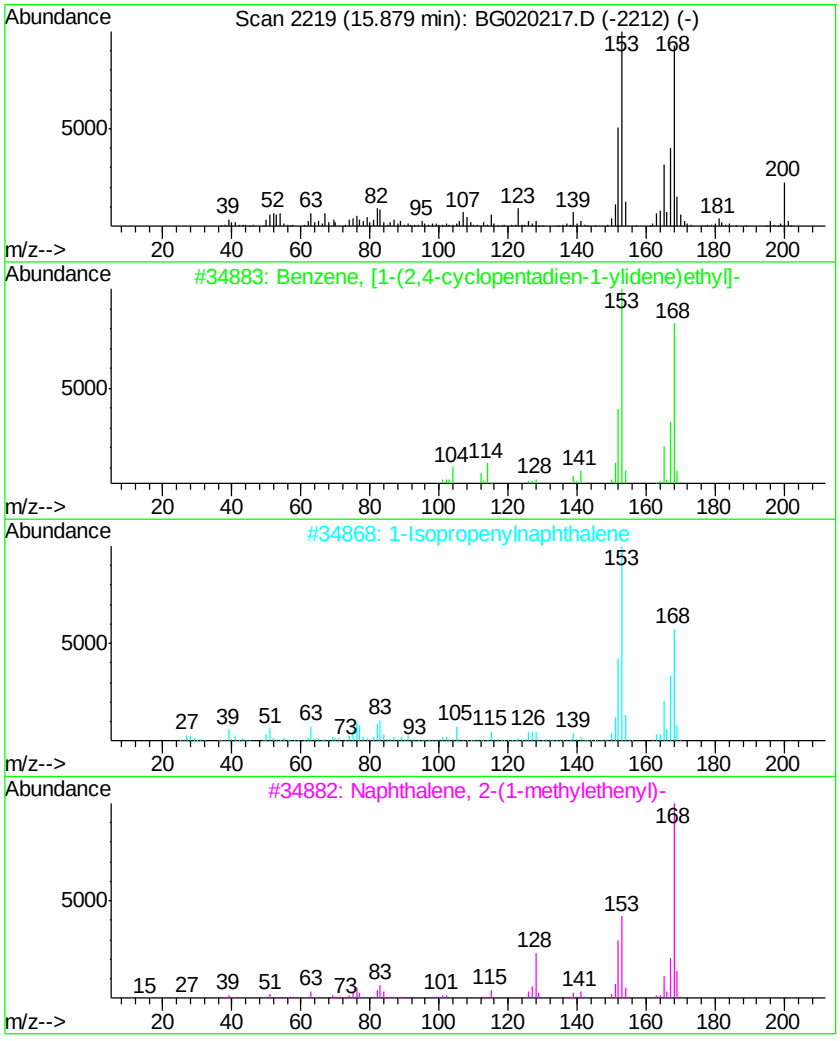
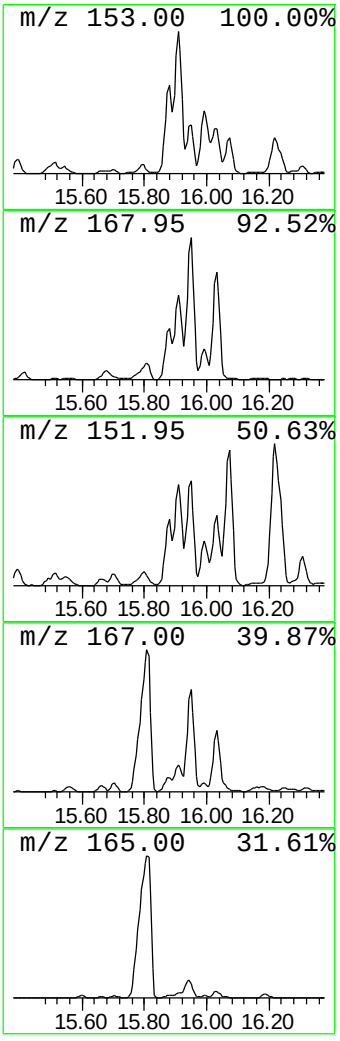
Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	9.34 ng/ul	904537	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
5	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	43





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ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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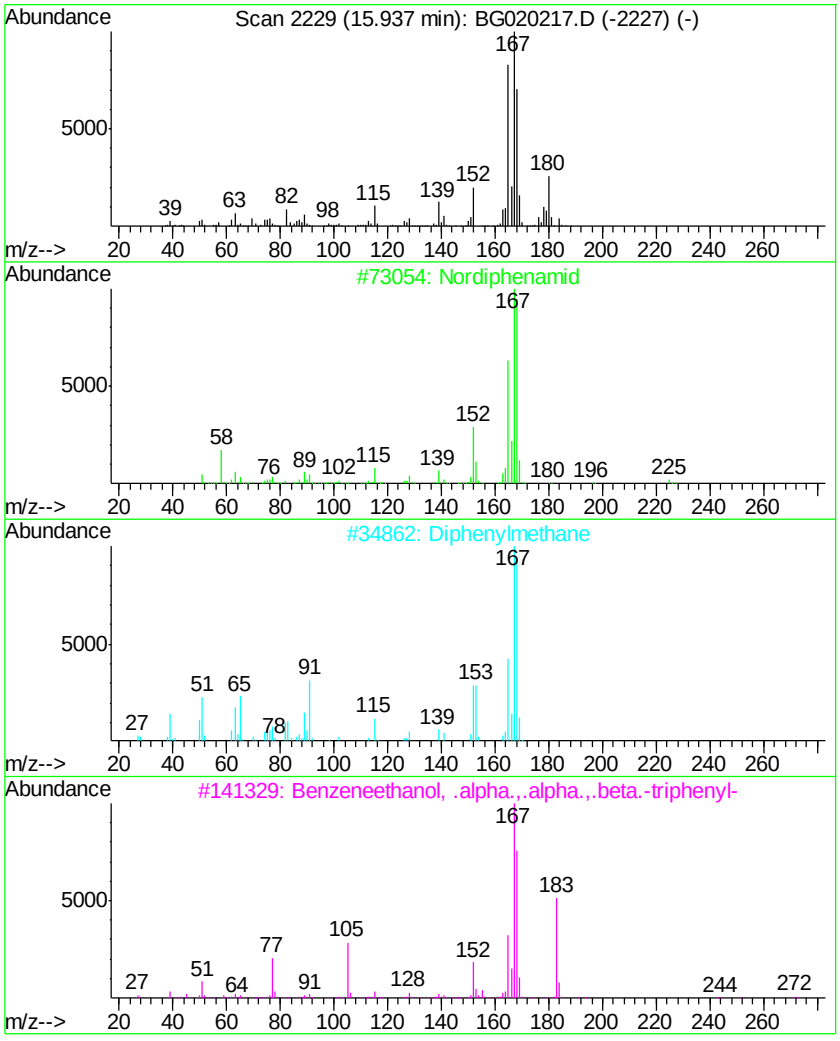
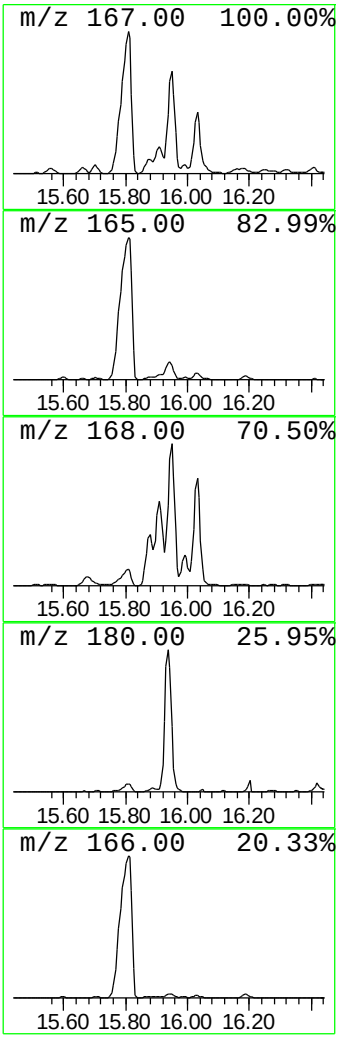
Peak Number 13 Nordiphenamid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	20.65 ng/ul	1999150	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	74
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	59





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Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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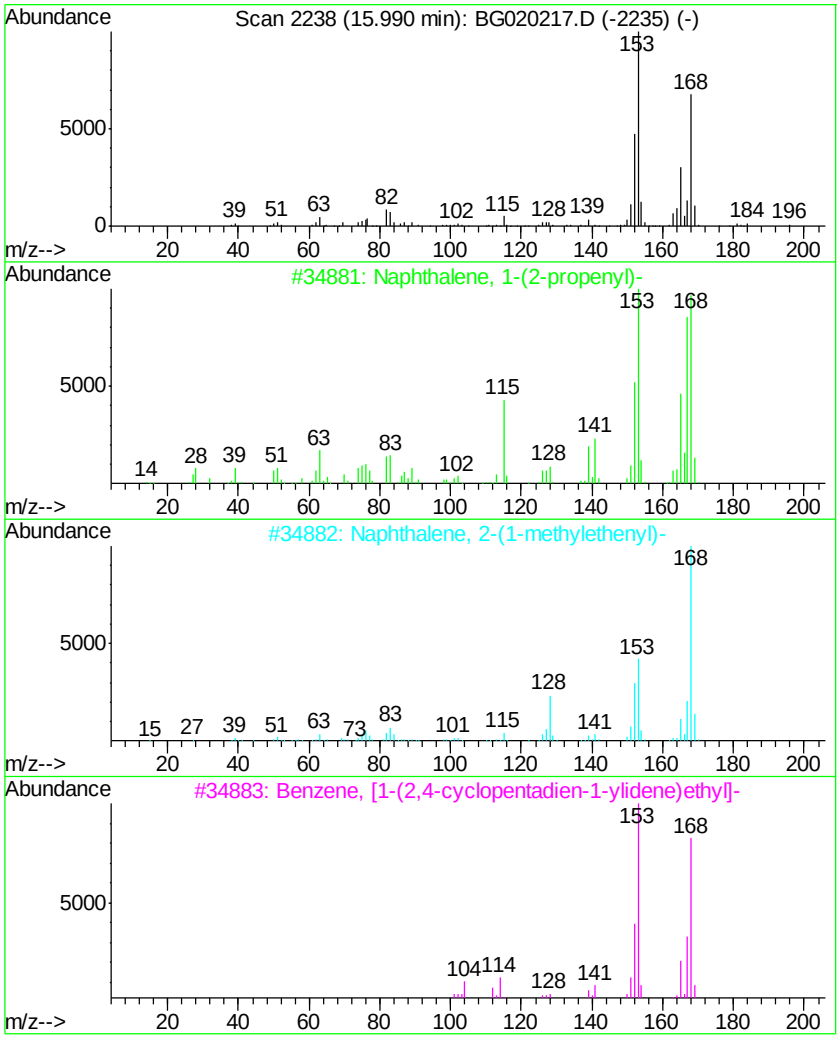
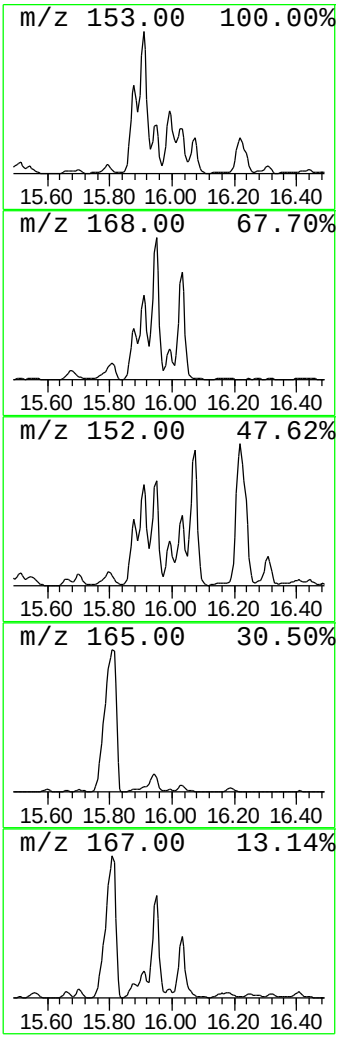
Peak Number 14 Naphthalene, 1-(2-propenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	5.08 ng/ul	492098	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	50
5	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47





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Quant Title : SVOA CALIBRATION

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

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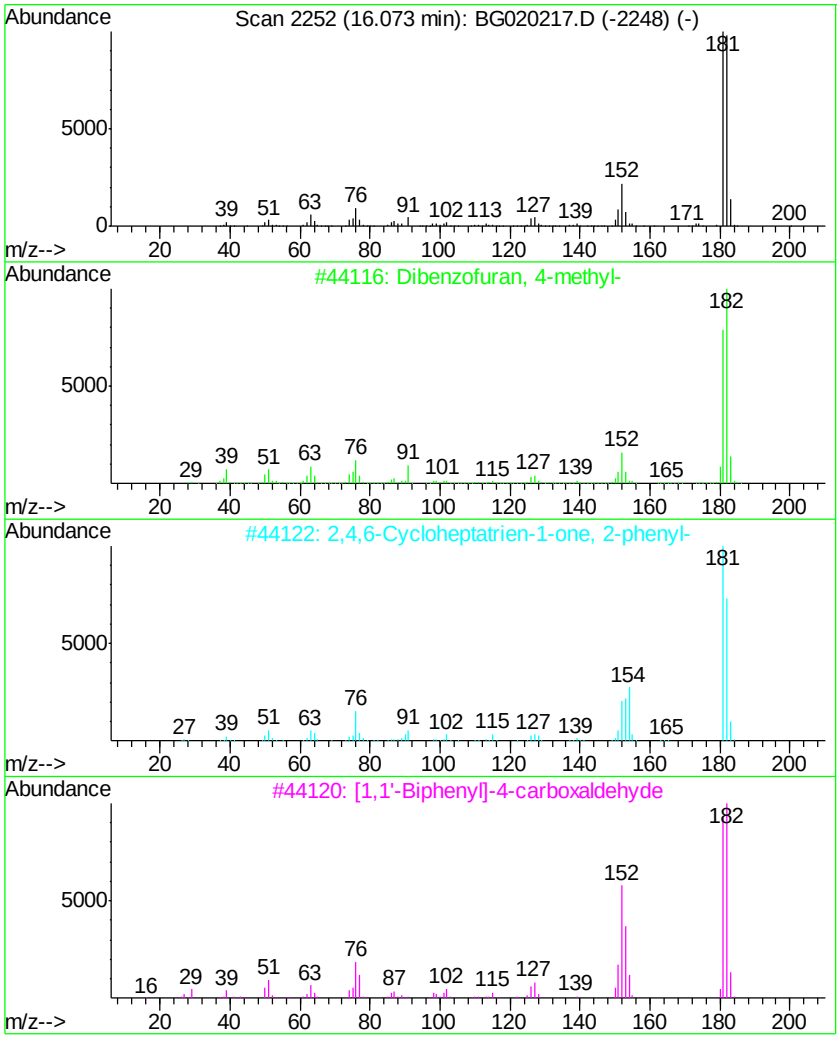
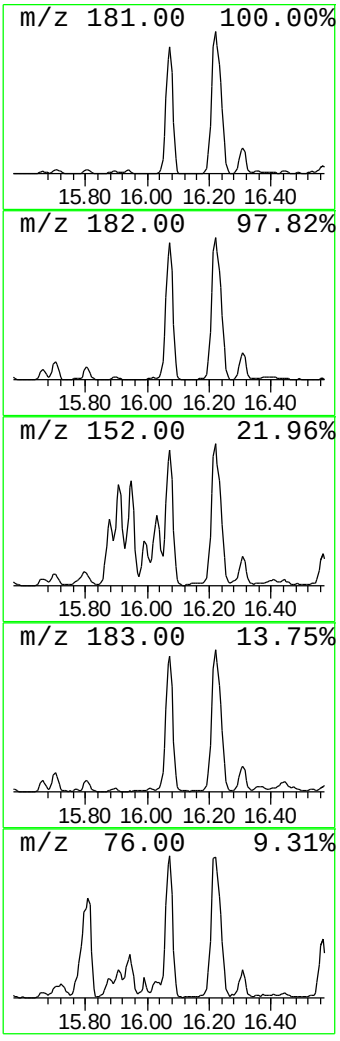
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	20.94 ng/ul	2027940	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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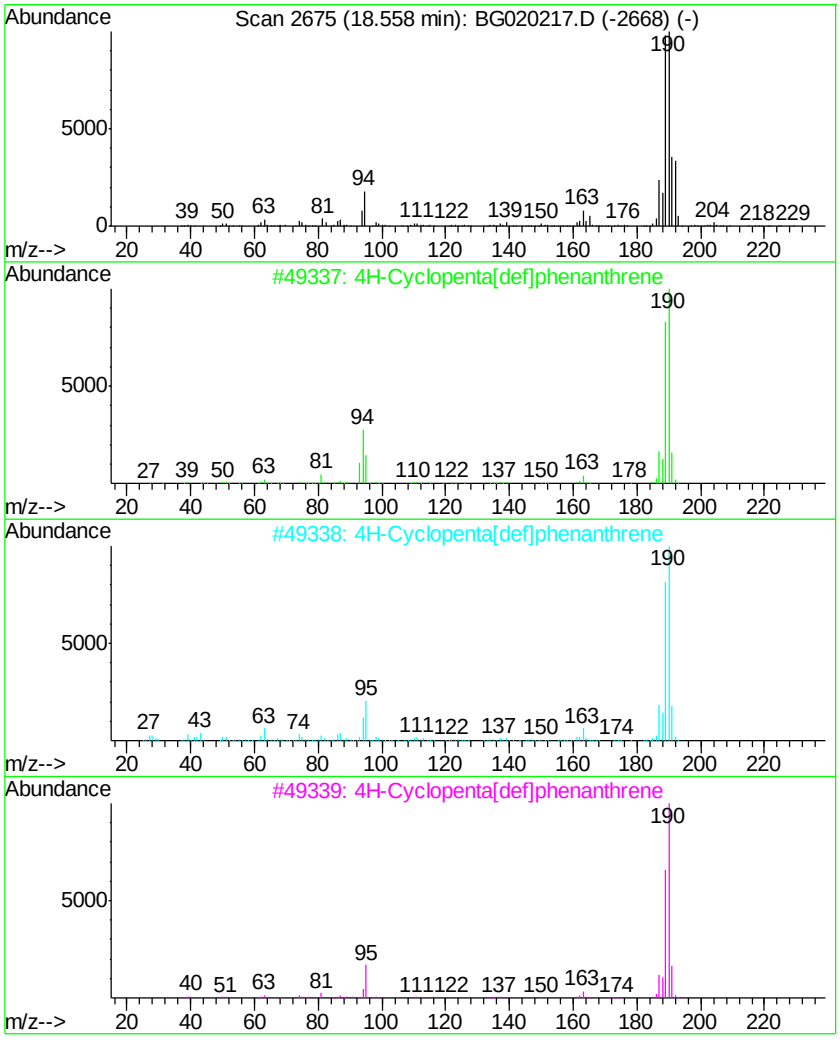
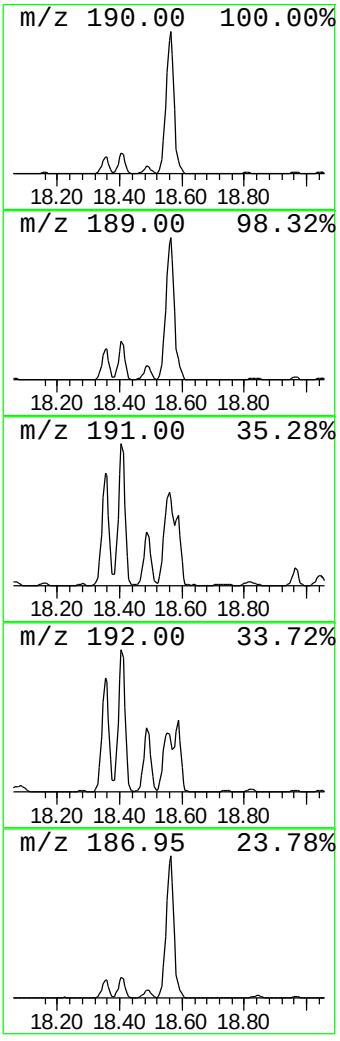
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.84 ng/ul	6852220	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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Quant Title : SVOA CALIBRATION

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

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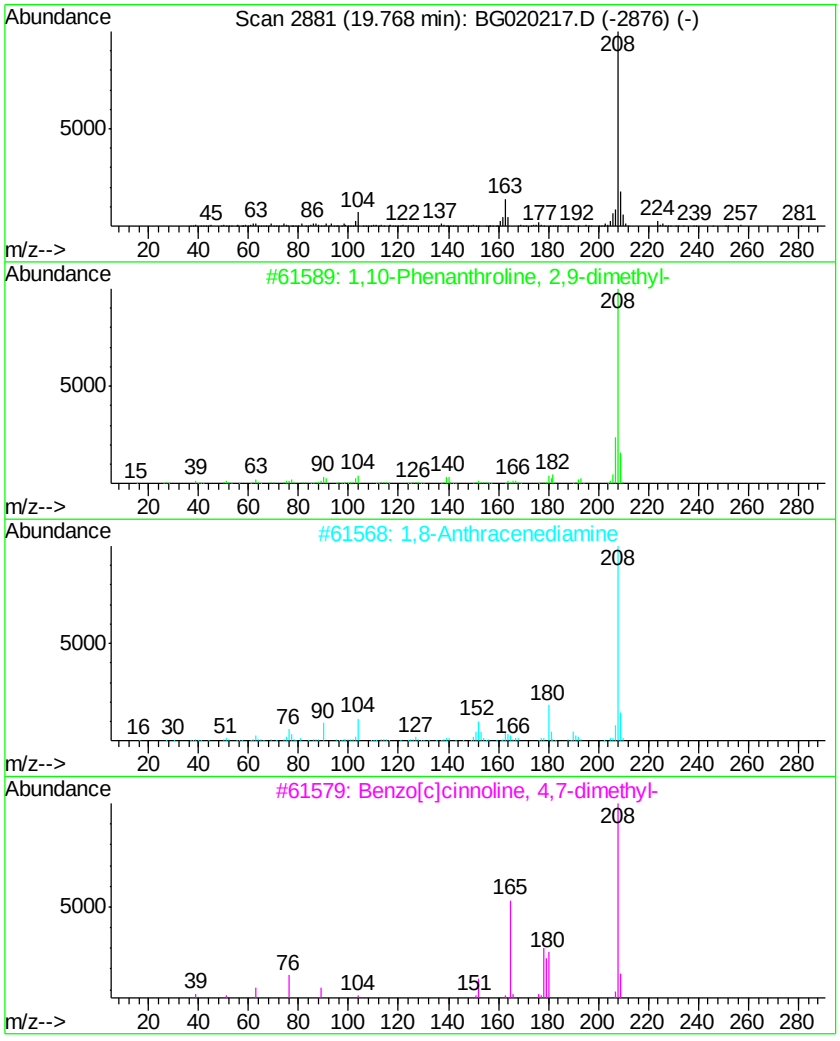
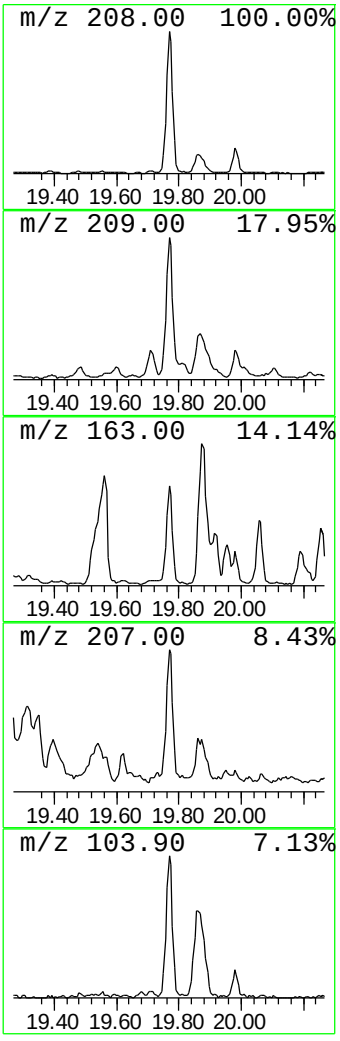
Peak Number 18 1,10-Phenanthroline, 2,9-di... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.33 ng/ul	693228	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	64
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
3	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
4	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
5	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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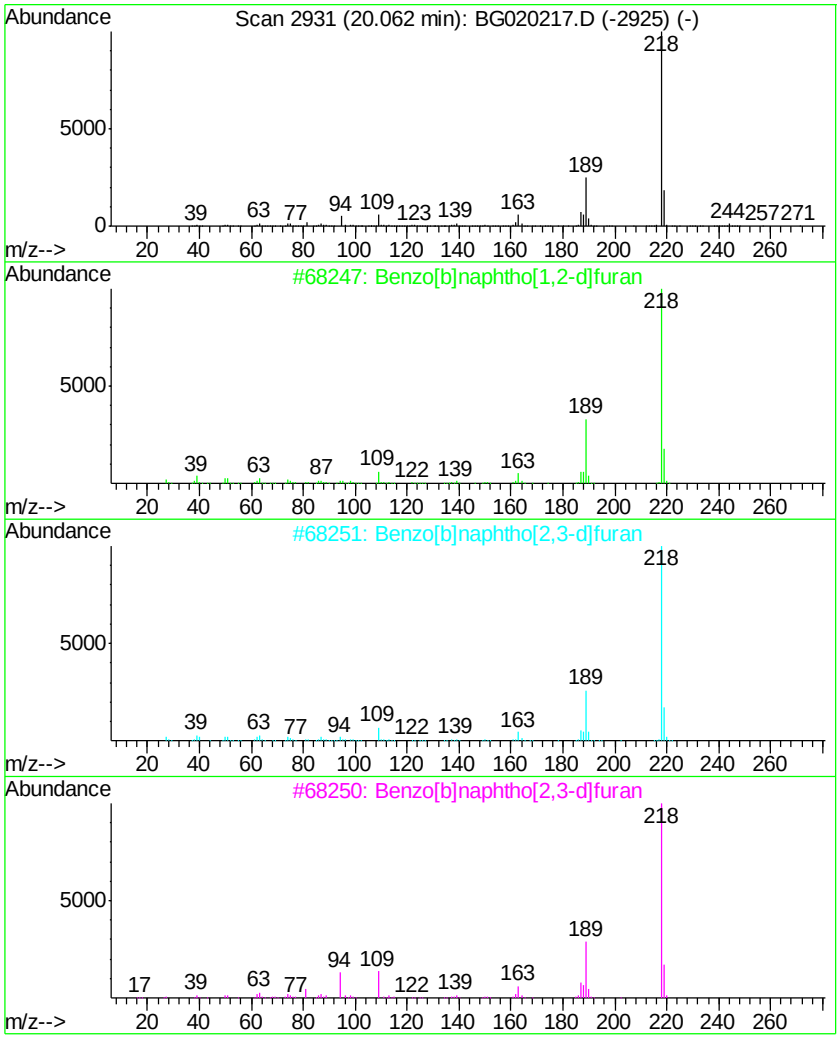
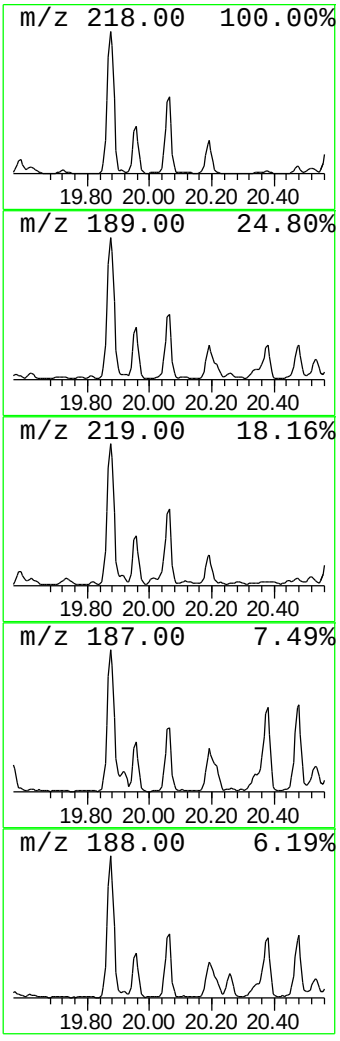
Peak Number 19 Benzo[b]naphtho[1,2-d]furan Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.16 ng/ul	938446	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	91





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Quant Title : SVOA CALIBRATION

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

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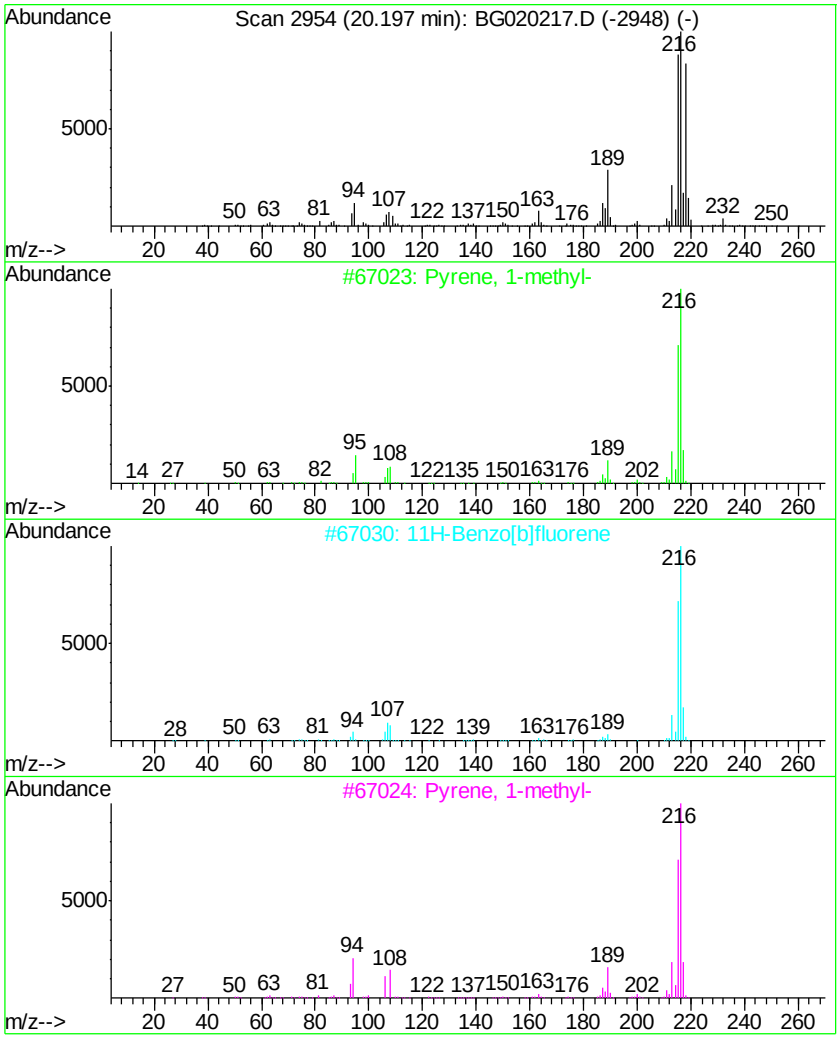
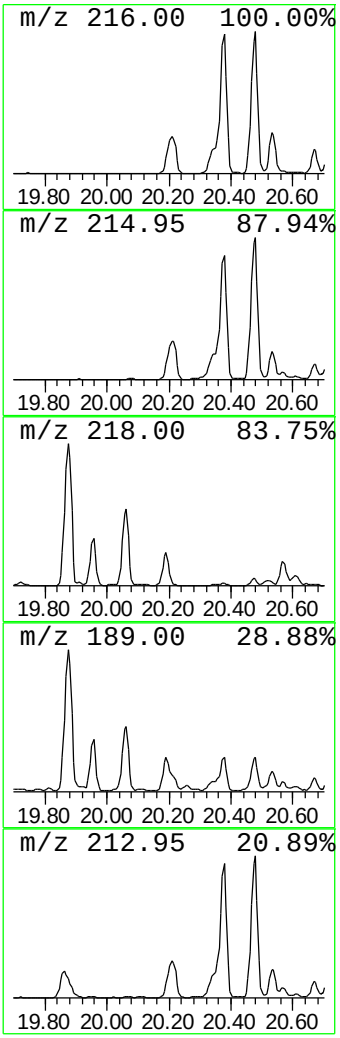
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	4.99 ng/ul	1483210	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Quant Title : SVOA CALIBRATION

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

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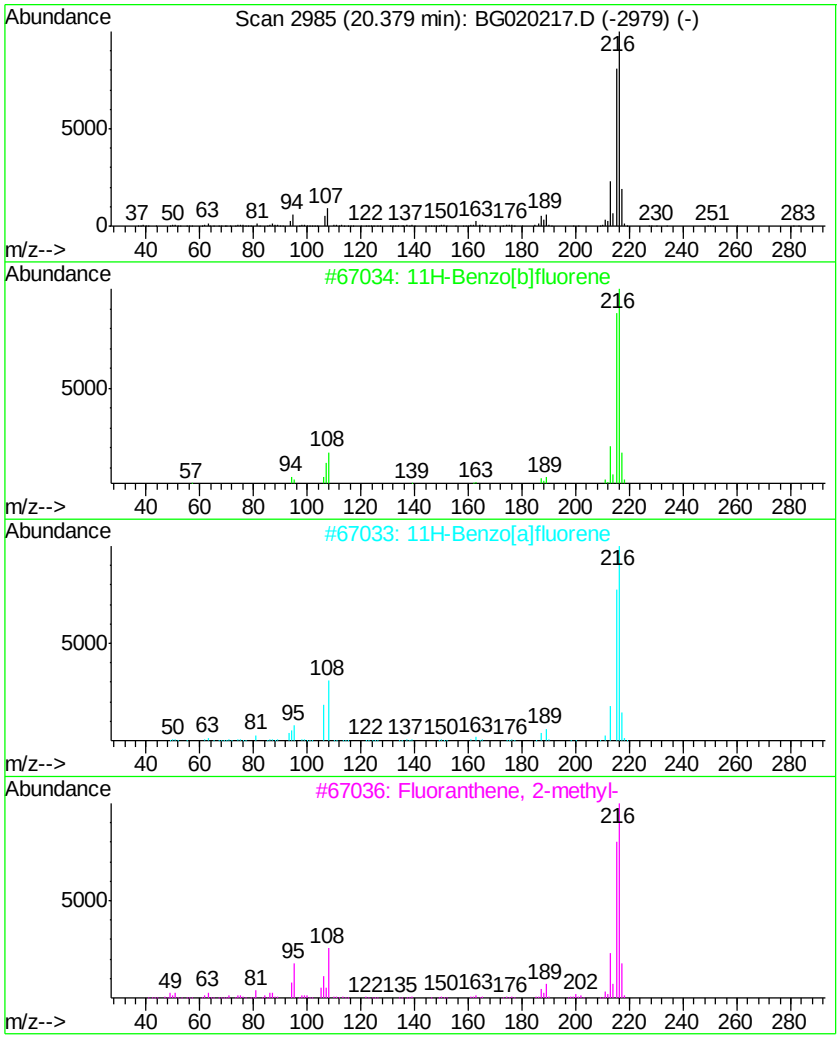
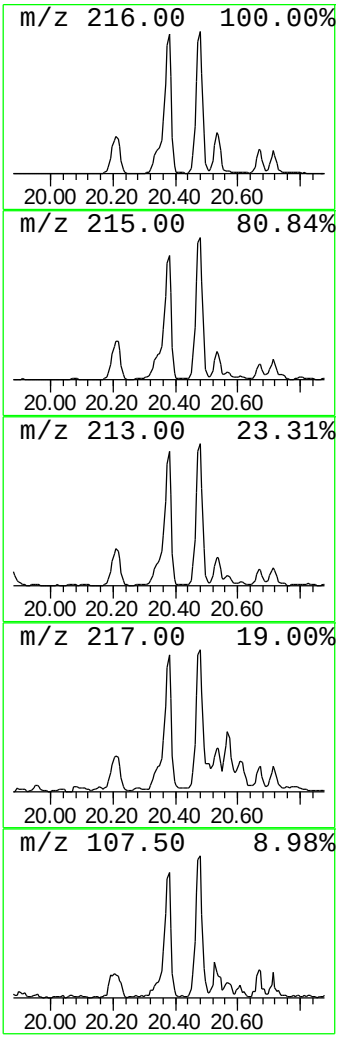
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	9.01 ng/ul	2678110	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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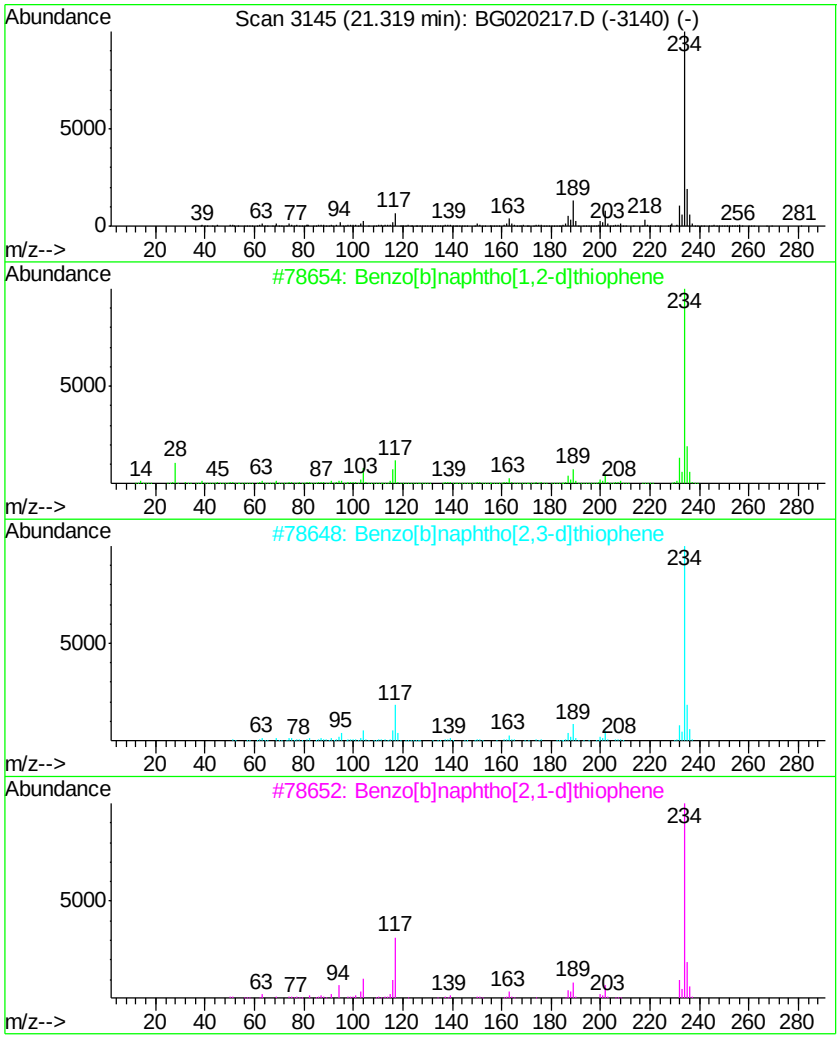
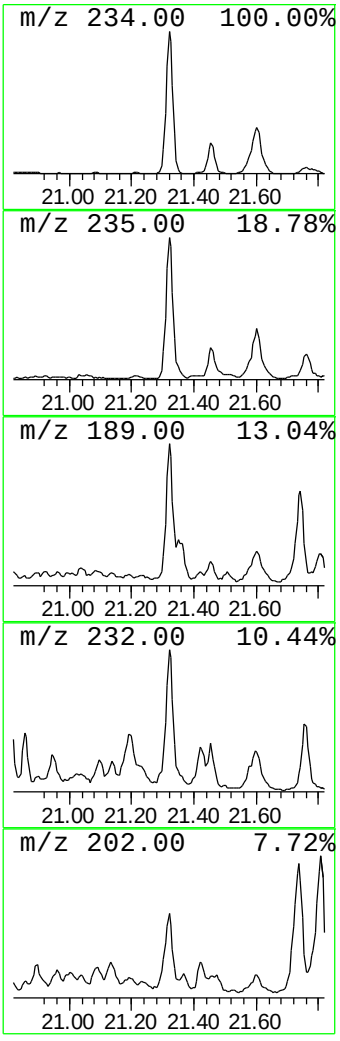
Peak Number 24 Benzo[b]naphtho[1,2-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.67 ng/ul	793825	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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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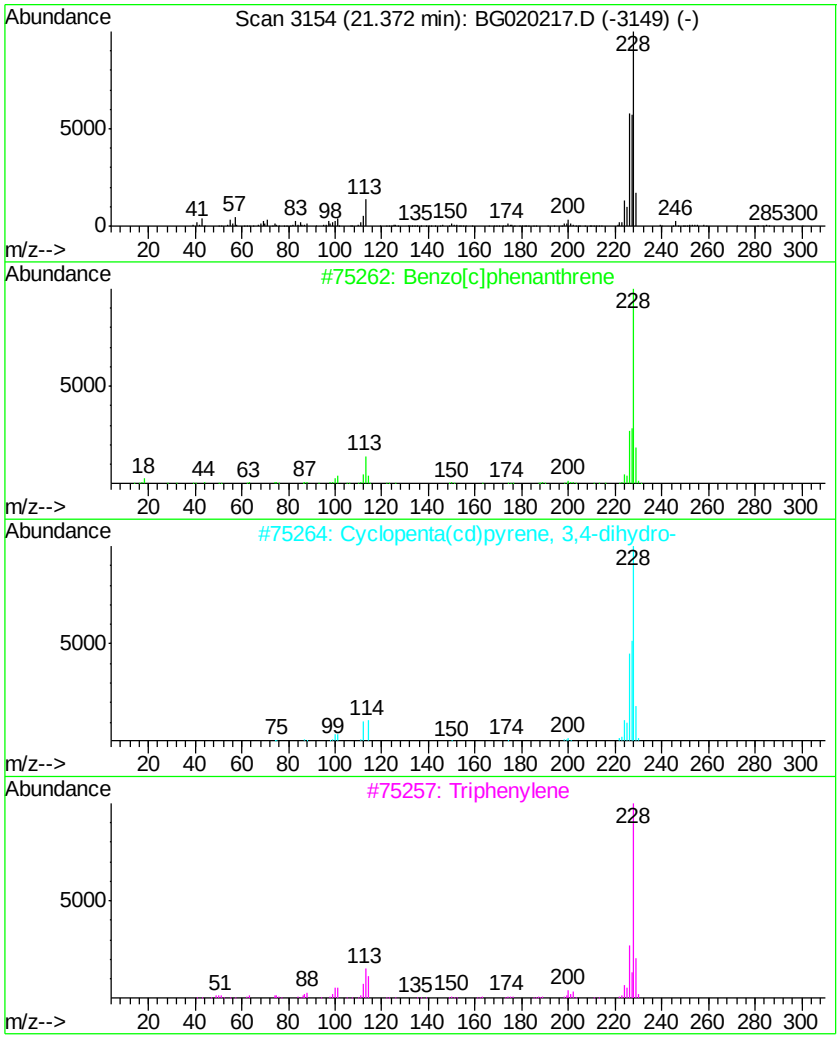
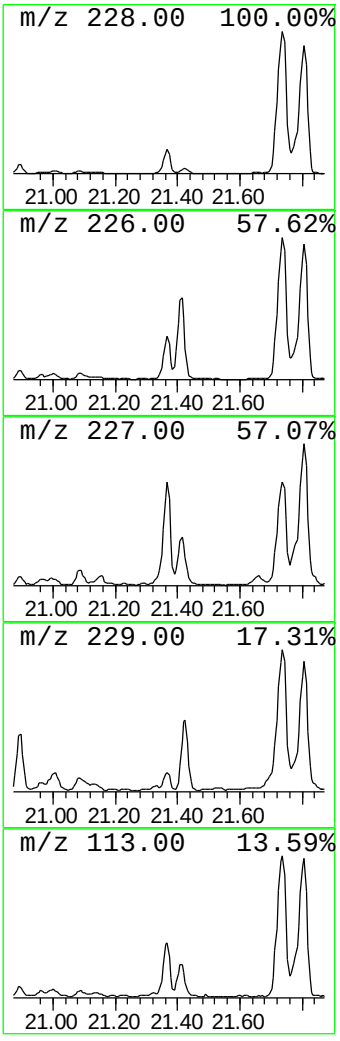
Peak Number 25 Benzo[c]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.96 ng/ul	878702	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
3	Triphenylene	228	C18H12	000217-59-4	55
4	Chrysene	228	C18H12	000218-01-9	49
5	Benz[a]anthracene	228	C18H12	000056-55-3	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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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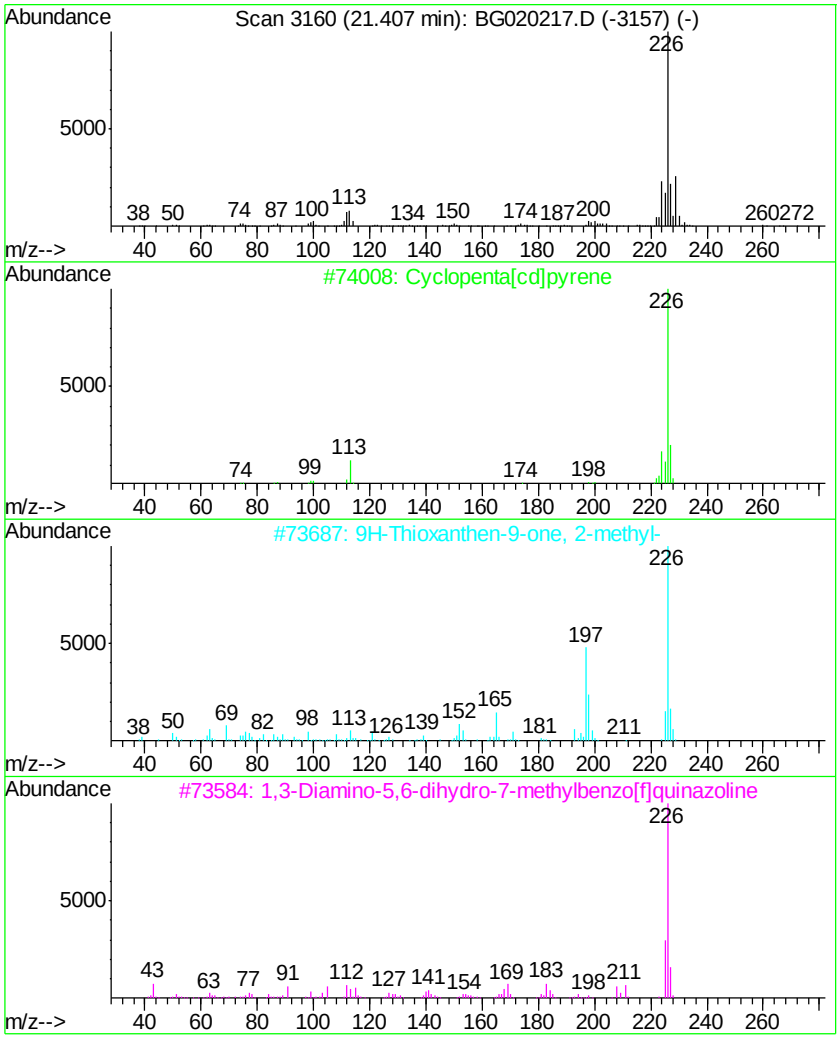
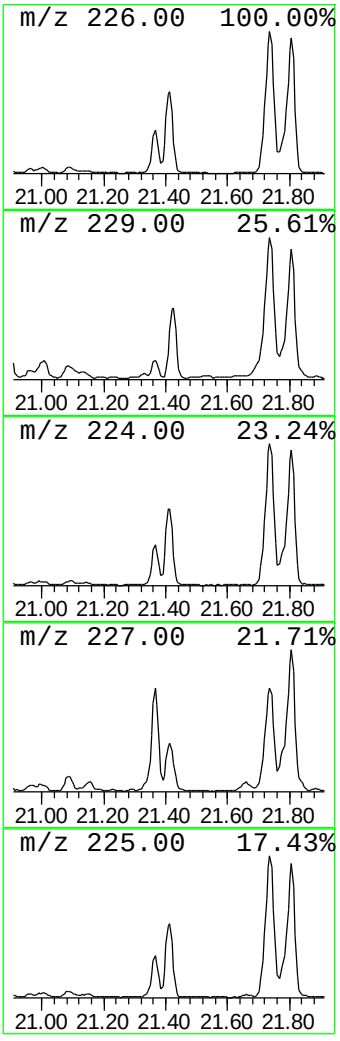
Peak Number 26 Cyclopenta[cd]pyrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.80 ng/ul	833379	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37
5	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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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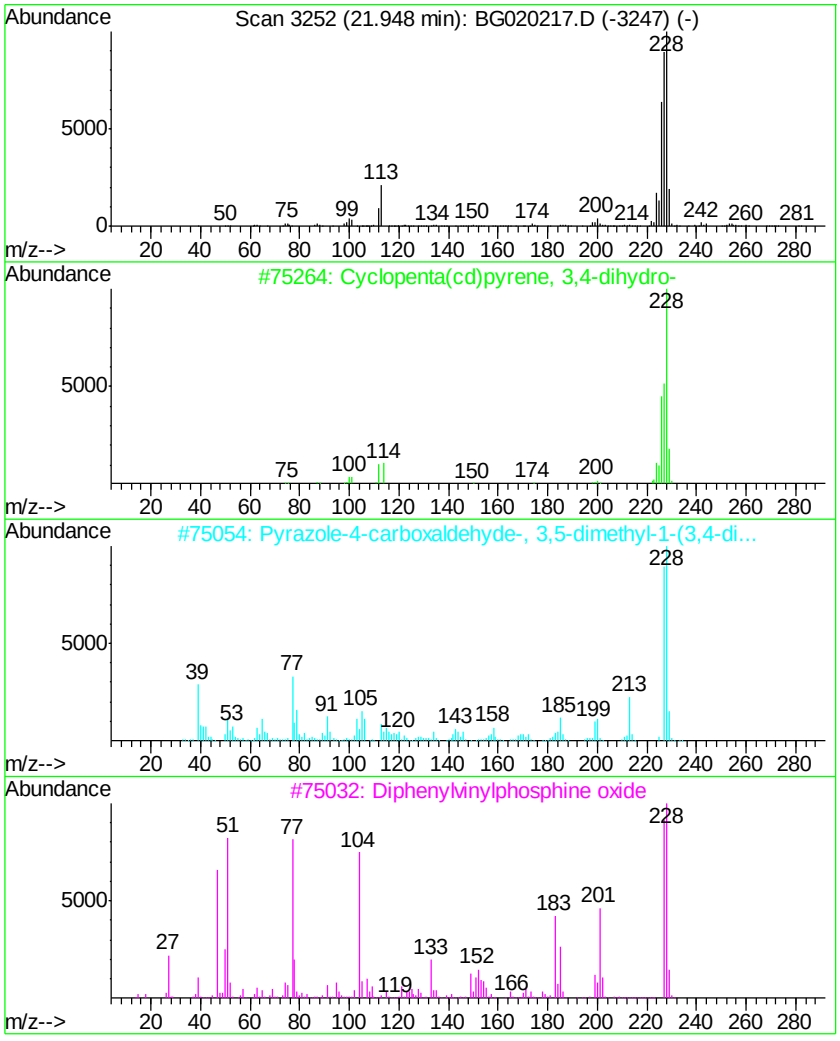
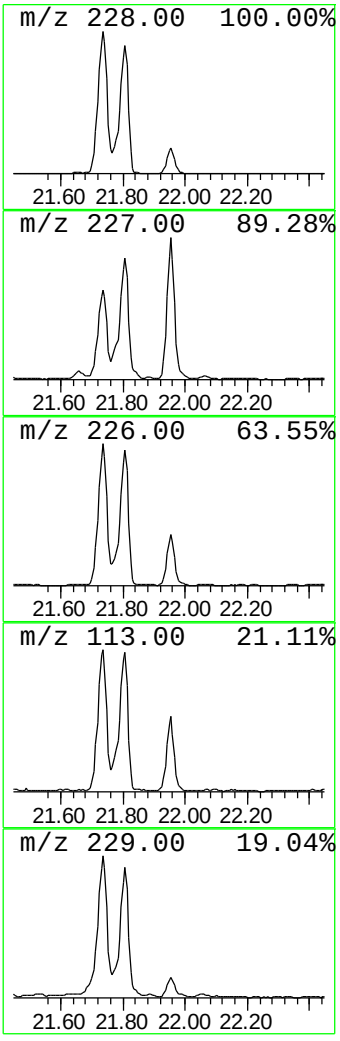
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	2.99 ng/ul	887404	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Triphenylene	228	C18H12	000217-59-4	43
5	Triphenylene	228	C18H12	000217-59-4	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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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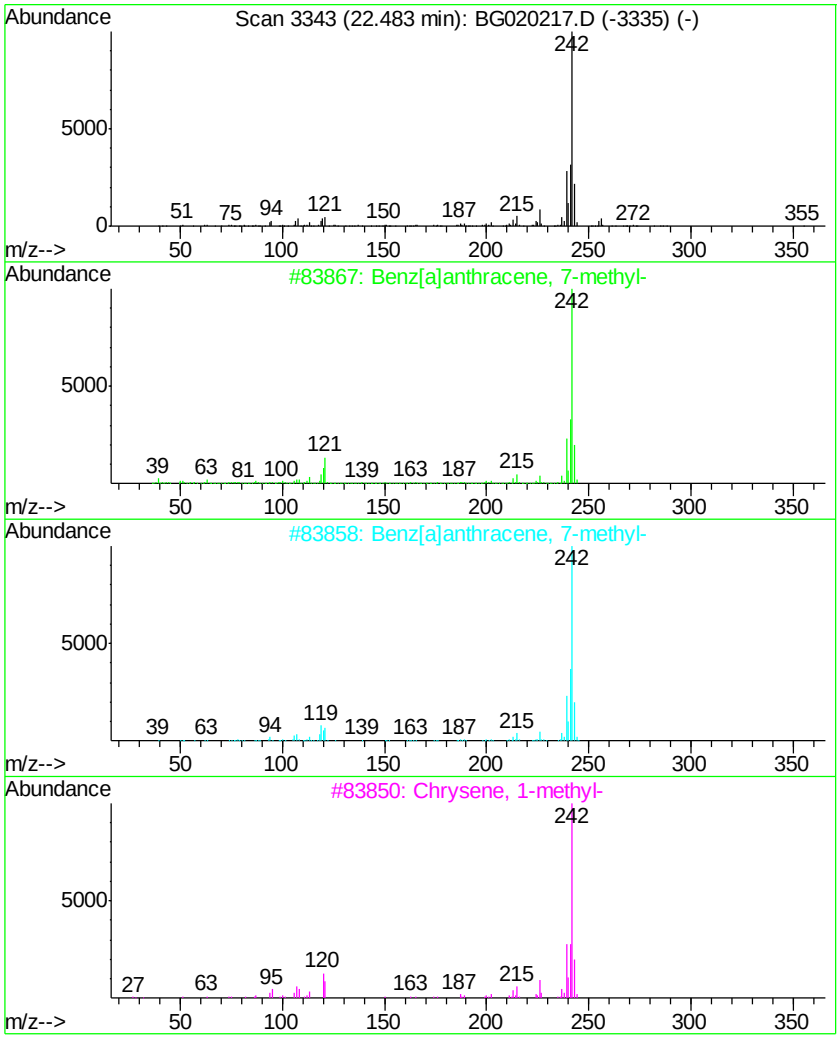
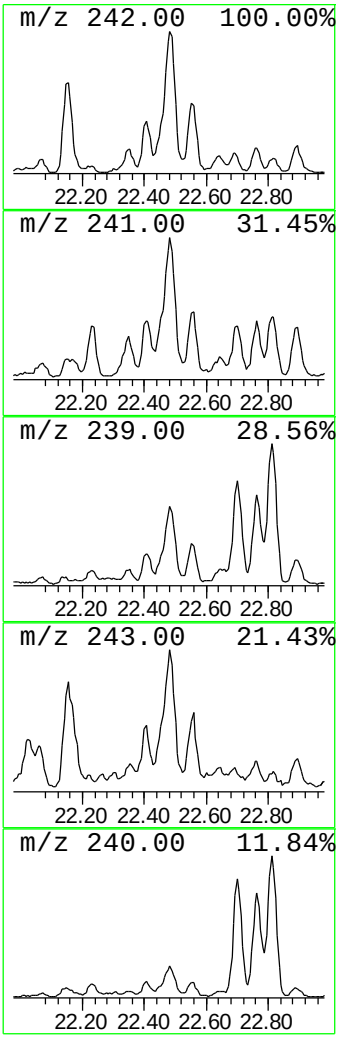
Peak Number 28 Benz[a]anthracene, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	2.24 ng/ul	666960	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020217.D
Acq On : 16 Dec 2015 9:07
Operator : UM/SJ
Sample : G4767-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.20	26.4	ng/ul	400437	1	8.10	302932	20.0
Naphthalene, 1-et...	13.76	15.2	ng/ul	1473440	3	14.73	1936530	20.0
Naphthalene, 2,3-...	13.91	26.9	ng/ul	2607190	3	14.73	1936530	20.0
1-Isopropenylnaph...	15.04	8.6	ng/ul	827725	3	14.73	1936530	20.0
Naphthalene, 2,3,...	15.34	4.8	ng/ul	462724	3	14.73	1936530	20.0
1,1'-Biphenyl, 2-...	15.55	3.2	ng/ul	307244	3	14.73	1936530	20.0
Benzene, [1-(2,4-...	15.88	9.3	ng/ul	904537	3	14.73	1936530	20.0
Nordiphenamid	15.94	20.6	ng/ul	1999150	3	14.73	1936530	20.0
Naphthalene, 1-(2...	15.99	5.1	ng/ul	492098	3	14.73	1936530	20.0
Dibenzofuran, 4-m...	16.07	20.9	ng/ul	2027940	3	14.73	1936530	20.0
4H-Cyclopenta[def...	18.56	3.8	ng/ul	6852220	4	17.48	35668100	20.0
1,10-Phenanthroli...	19.77	2.3	ng/ul	693228	5	21.75	5944240	20.0
Benzo[b]naphtho[1...	20.06	3.2	ng/ul	938446	5	21.75	5944240	20.0
Pyrene, 1-methyl-	20.20	5.0	ng/ul	1483210	5	21.75	5944240	20.0
11H-Benzo[b]fluorene	20.38	9.0	ng/ul	2678110	5	21.75	5944240	20.0
Benzo[b]naphtho[1...	21.32	2.7	ng/ul	793825	5	21.75	5944240	20.0
Benzo[c]phenanthrene	21.37	3.0	ng/ul	878702	5	21.75	5944240	20.0
Cyclopenta[cd]pyrene	21.41	2.8	ng/ul	833379	5	21.75	5944240	20.0
Cyclopenta(cd)pyr...	21.95	3.0	ng/ul	887404	5	21.75	5944240	20.0
Benz[a]anthracene...	22.48	2.2	ng/ul	666960	5	21.75	5944240	20.0