LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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	8.634	979	986	994	rBV	195721	337366	1.88%	0.262%
2	10.526	1301	1308	1317	rVB3	98302	198373	1.11%	0.154%
3	10.990	1376	1387	1392	rVV	3708077	8714269	48.59%	6.762%
4	11.084	1399	1403	1411	rVB	196164	331107	1.85%	0.257%
5	12.570	1644	1656	1662	rVV	2381314	4215647	23.51%	3.271%
6	12.782	1680	1692	1701	rVB	1233337	2117270	11.81%	1.643%
7	13.557	1810	1824	1832	rBV	844107	1370146	7.64%	1.063%
8	13.757	1851	1858	1868	rVB	323067	613864	3.42%	0.476%
9	13.886	1868	1880	1881	rBV	408943	595960	3.32%	0.462%
10	14.045	1899	1907	1912	rVV	581594	1092433	6.09%	0.848%
11	14.098	1912	1916	1925	rVV3	429659	903582	5.04%	0.701%
12	14.280	1941	1947	1951	rVV	260816	420228	2.34%	0.326%
13	14.421	1964	1971	1972	rBV	187318	283077	1.58%	0.220%
14	14.445	1972	1975	1983	rVB	266889	418660	2.33%	0.325%
15	14.703	2012	2019	2028	rVV2	401895	920383	5.13%	0.714%
16	14.809	2028	2037	2042	rVV	3966676	7331992	40.88%	5.690%
17	14.862	2042	2046	2051	rVV	227199	350816	1.96%	0.272%
18	14.920	2051	2056	2066	rVV2	134187	339161	1.89%	0.263%
19	15.032	2066	2075	2080	rVV2	209122	430931	2.40%	0.334%
20	15.138	2084	2093	2098	rVV	2685096	4892098	27.28%	3.796%
21	15.191	2098	2102	2112	rVB	156395	255087	1.42%	0.198%
22	15.332	2117	2126	2131	rBV2	123543	226348	1.26%	0.176%
23	15.391	2131	2136	2142	rVB2	127302	191963	1.07%	0.149%
24	15.508	2148	2156	2159	rBV	98095	212476	1.18%	0.165%
25	15.690	2182	2187	2188	rVV3	112945	175868	0.98%	0.136%
26	15.714	2188	2191	2196	rVV	223276	396693	2.21%	0.308%
27	15.790	2196	2204	2210	rVV	3506638	6396843	35.67%	4.964%
28	15.866	2210	2217	2219	rVV2	242532	423031	2.36%	0.328%
29	15.896	2219	2222	2225	rVV	372354	584034	3.26%	0.453%
30	15.937	2225	2229	2233	rVV2	654819	1036746	5.78%	0.805%
31	15.984	2233	2237	2240	rVV	159318	289111	1.61%	0.224%
32	16.019	2240	2243	2246	rVV	327854	490837	2.74%	0.381%
33	16.060	2246	2250	2259	rVV	661511	1071119	5.97%	0.831%
34	16.213	2266	2276	2283	rVV	707321	1616813	9.02%	1.255%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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	16.301	2288	2291	2296	rVV	134512	189036	1.05%	0.147%
36	16.560	2330	2335	2341	rVB	410375	619186	3.45%	0.480%
37	16.771	2359	2371	2376	rBV2	552923	1262409	7.04%	0.980%
38	16.818	2376	2379	2385	rVV2	200353	338993	1.89%	0.263%
39	16.918	2390	2396	2401	rVB3	212506	402561	2.24%	0.312%
40	16.995	2401	2409	2412	rBV2	188410	429035	2.39%	0.333%
41	17.036	2412	2416	2420	rVV2	194069	312381	1.74%	0.242%
42	17.124	2427	2431	2438	rVB5	97499	205504	1.15%	0.159%
43	17.200	2438	2444	2452	rBV4	240399	700588	3.91%	0.544%
44	17.294	2454	2460	2469	rVB	996067	1604561	8.95%	1.245%
45	17.559	2484	2505	2508	rBV	6646426	17934253	100.00%	13.917%
46	17.588	2508	2510	2512	rVV	392328	447965	2.50%	0.348%
47	17.617	2512	2515	2521	rVB	944956	1299624	7.25%	1.009%
48	17.876	2552	2559	2567	rBV	756932	1258861	7.02%	0.977%
49	17.987	2574	2578	2582	rBV	200023	264917	1.48%	0.206%
50	18.193	2608	2613	2622	rVB	104407	242540	1.35%	0.188%
51	18.346	2634	2639	2643	rVV	978598	1496429	8.34%	1.161%
52	18.399	2643	2648	2654	rVB	1361504	2042149	11.39%	1.585%
53	18.481	2654	2662	2667	rBV	435483	795134	4.43%	0.617%
54	18.552	2667	2674	2683	rVV2	1768593	3650439	20.35%	2.833%
55	18.781	2709	2713	2718	rVV3	115987	217982	1.22%	0.169%
56	18.839	2718	2723	2728	rVV	853454	1201769	6.70%	0.933%
57	18.886	2728	2731	2736	rVV	121112	175379	0.98%	0.136%
58	19.080	2760	2764	2768	rVB2	177416	227858	1.27%	0.177%
59	19.133	2768	2773	2776	rBV	135260	187801	1.05%	0.146%
60	19.251	2787	2793	2799	rBV	272590	525891	2.93%	0.408%
61	19.321	2800	2805	2813	rVB3	175607	403921	2.25%	0.313%
62	19.544	2832	2843	2847	rBV	4931557	10339999	57.66%	8.024%
63	19.768	2875	2881	2890	rVB	266647	522772	2.91%	0.406%
64	19.903	2890	2904	2909	rBV3	3791113	9966638	55.57%	7.734%
65	19.950	2909	2912	2919	rVB2	318878	448955	2.50%	0.348%
66	20.056	2924	2930	2936	rVB	379331	543392	3.03%	0.422%
67	20.197	2948	2954	2955	rBV2	324611	524986	2.93%	0.407%
68	20.255	2960	2964	2970	rVB	170746	207923	1.16%	0.161%
69	20.326	2970	2976	2978	rBV2	193348	327884	1.83%	0.254%
70	20.373	2979	2984	2989	rVB	1077592	1582090	8.82%	1.228%
71	20.473	2994	3001	3005	rBV	1240115	1823437	10.17%	1.415%

LSC Area Percent Report

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Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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	20.532	3005	3011	3014	rVV2	311638	606212	3.38%	0.470%
73	20.567	3014	3017	3020	rVV	202319	240870	1.34%	0.187%
74	20.602	3020	3023	3028	rVB2	134286	199556	1.11%	0.155%
75	20.667	3030	3034	3038	rBV	164370	239168	1.33%	0.186%
76	20.714	3038	3042	3045	rVB2	146881	176758	0.99%	0.137%
77	20.890	3068	3072	3076	rBV	163359	230918	1.29%	0.179%
78	21.084	3100	3105	3110	rBV	138116	265375	1.48%	0.206%
79	21.319	3137	3145	3149	rBV	313457	535208	2.98%	0.415%
80	21.366	3149	3153	3157	rVV	319229	524493	2.92%	0.407%
81	21.413	3157	3161	3166	rVV2	257539	460463	2.57%	0.357%
82	21.454	3166	3168	3184	rVB2	91591	196193	1.09%	0.152%
83	21.601	3184	3193	3201	rBV	95630	242232	1.35%	0.188%
84	21.736	3206	3216	3222	rVV3	1478963	3406288	18.99%	2.643%
85	21.801	3222	3227	3239	rVV	1071036	1958130	10.92%	1.520%
86	21.948	3247	3252	3260	rVV	278042	514304	2.87%	0.399%
87	22.159	3281	3288	3295	rBV2	154579	315163	1.76%	0.245%
88	22.482	3335	3343	3349	rVV	146853	391436	2.18%	0.304%
89	22.553	3350	3355	3361	rVV2	83082	187261	1.04%	0.145%
90	22.700	3375	3380	3385	rVV3	87118	184716	1.03%	0.143%
91	22.764	3385	3391	3394	rVV	80826	173370	0.97%	0.135%
92	22.811	3394	3399	3407	rVV4	115553	259882	1.45%	0.202%
93	22.899	3407	3414	3428	rVV4	65202	173045	0.96%	0.134%
94	23.980	3587	3598	3605	rBV	317146	1073424	5.99%	0.833%
95	24.709	3714	3722	3729	rBV	126503	338385	1.89%	0.263%
96	24.791	3729	3736	3742	rVV	174421	470999	2.63%	0.366%
97	24.862	3742	3748	3762	rVB	202743	582790	3.25%	0.452%
98	25.015	3763	3774	3782	rVV3	190483	574919	3.21%	0.446%
99	25.091	3782	3787	3802	rVB3	53725	173189	0.97%	0.134%
100	28.740	4393	4408	4420	rBV4	39573	198689	1.11%	0.154%

Sum of corrected areas: 128863010

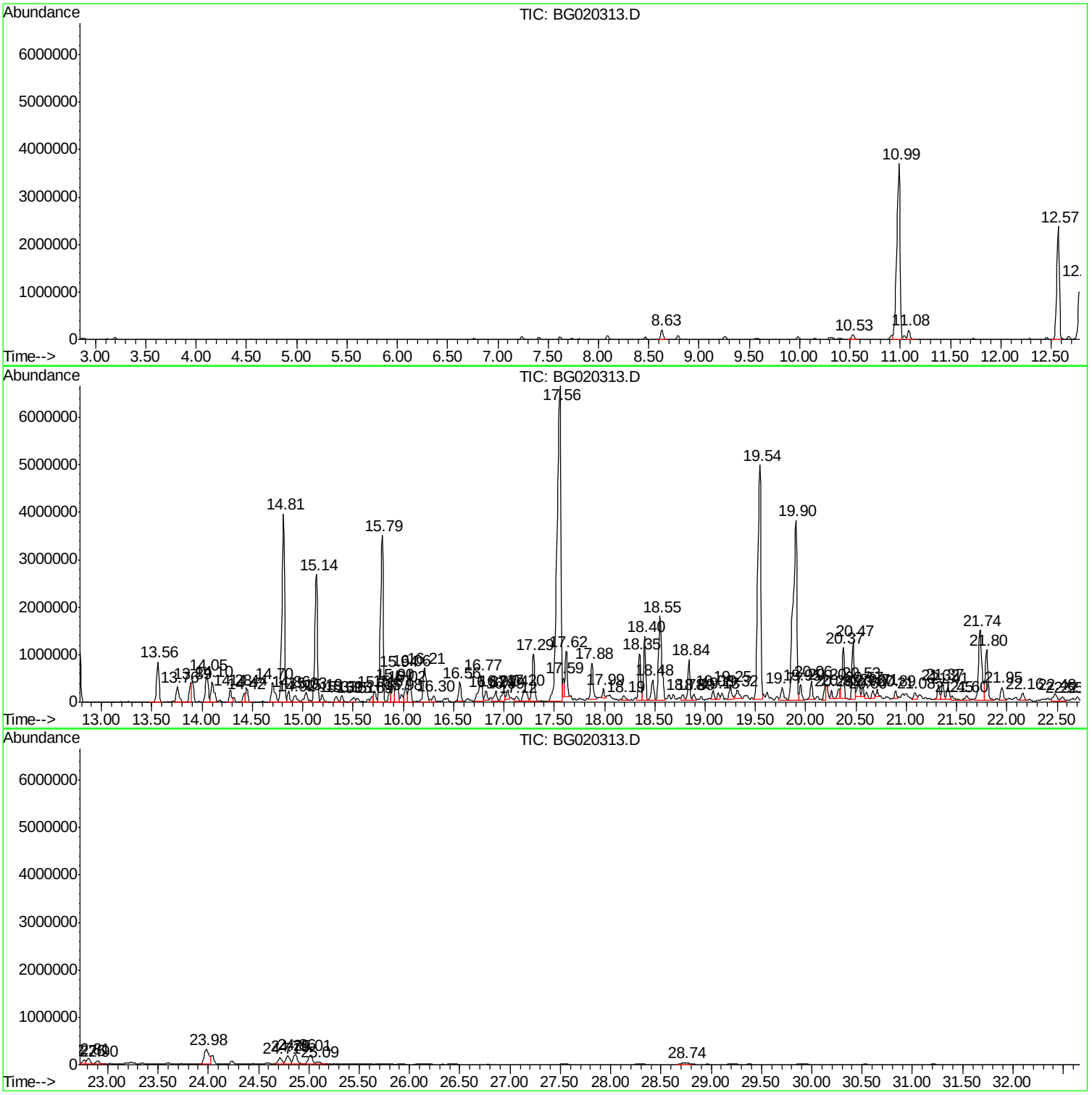
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
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Instrument : BNA_G
ClientSampleId : D9N70

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

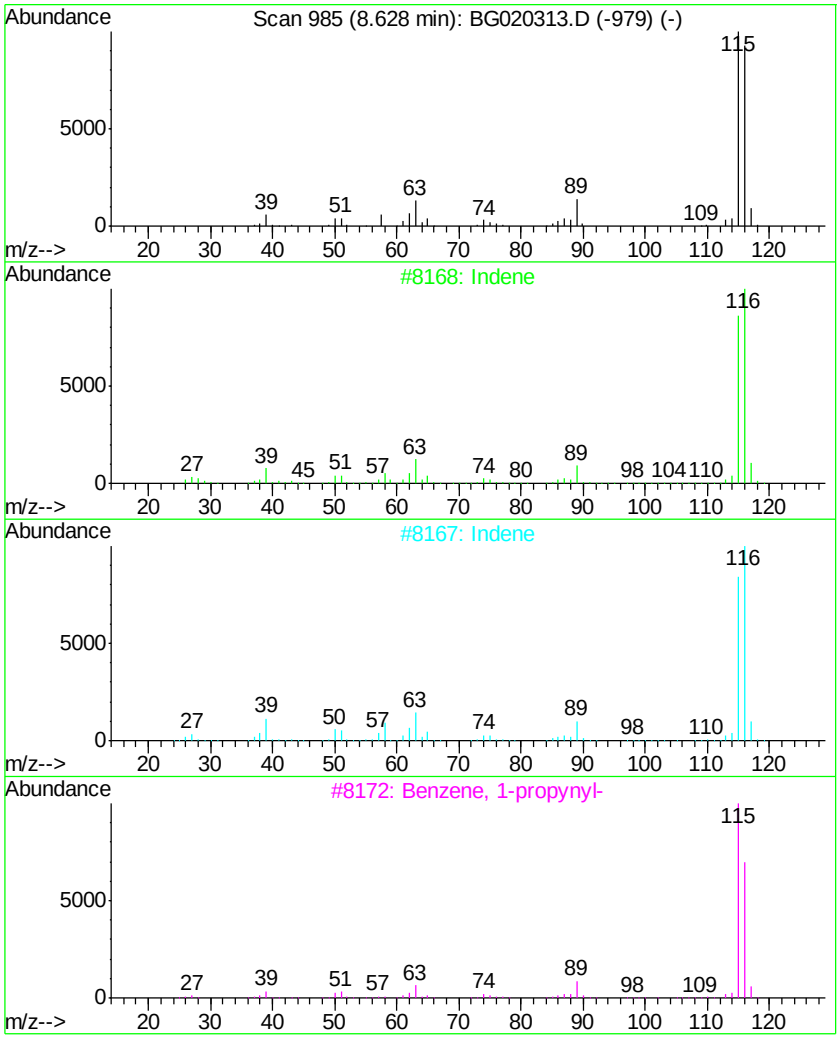
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

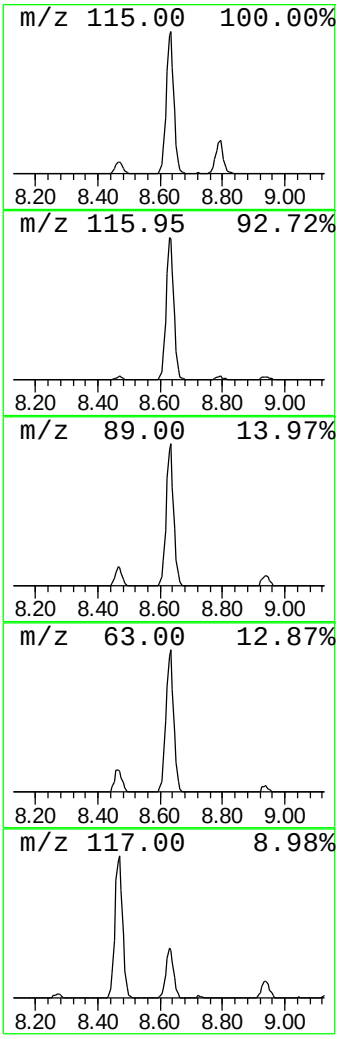
****

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	20.00 ng/ul	337366	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94





Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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

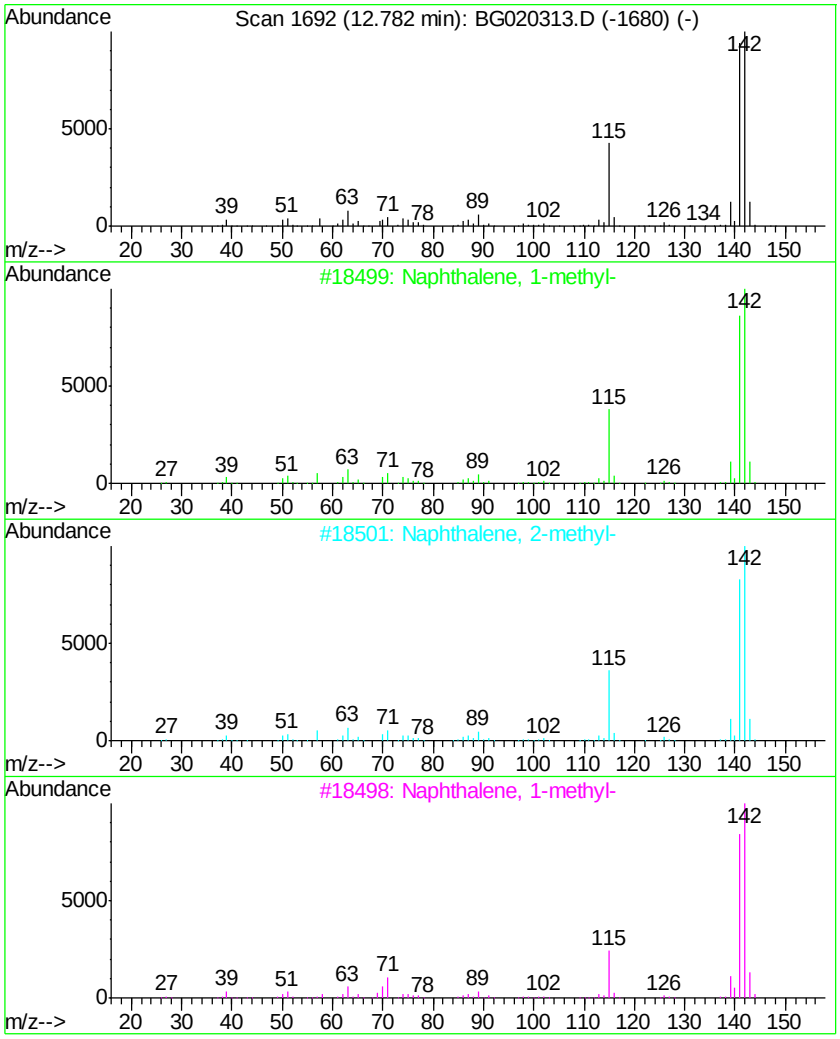
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

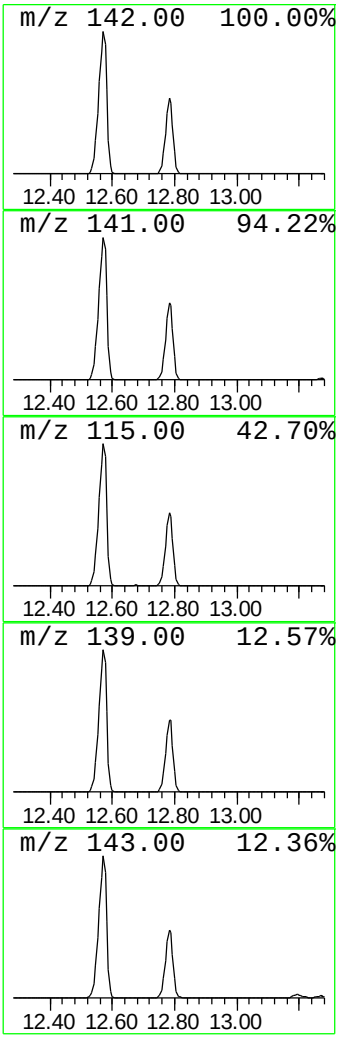
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	4.86 ng/ul	2117270	Naphthalene-d8	10.91

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





Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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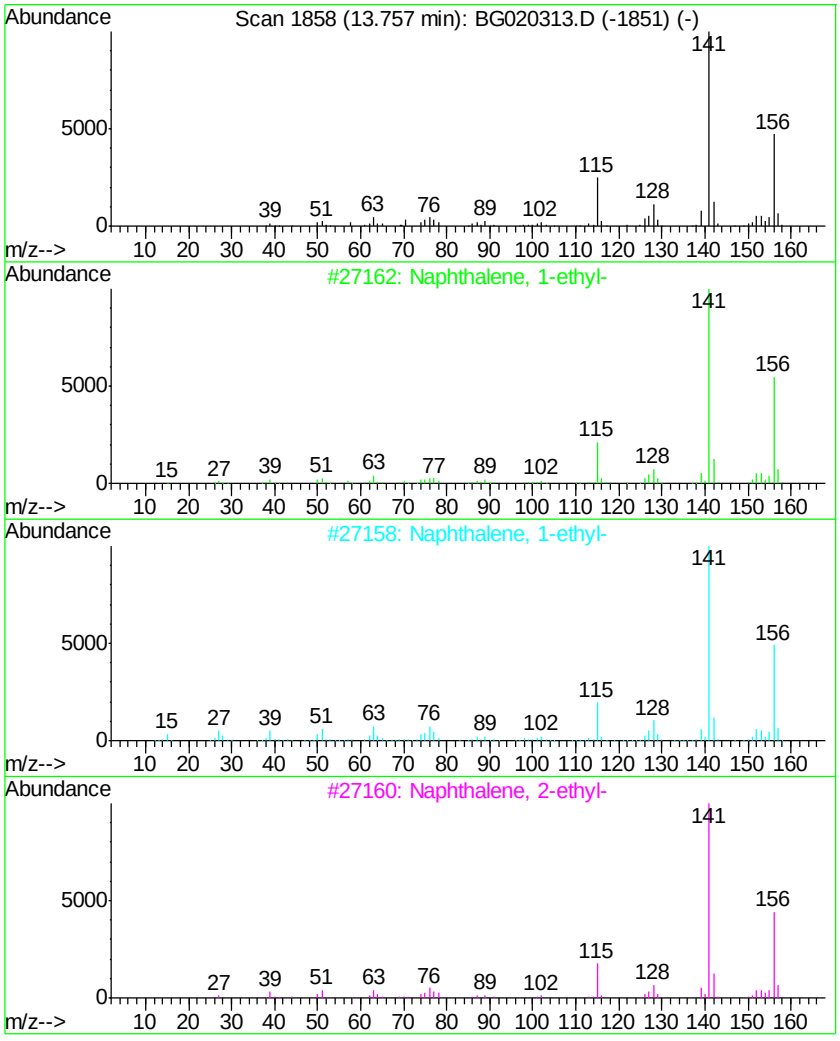
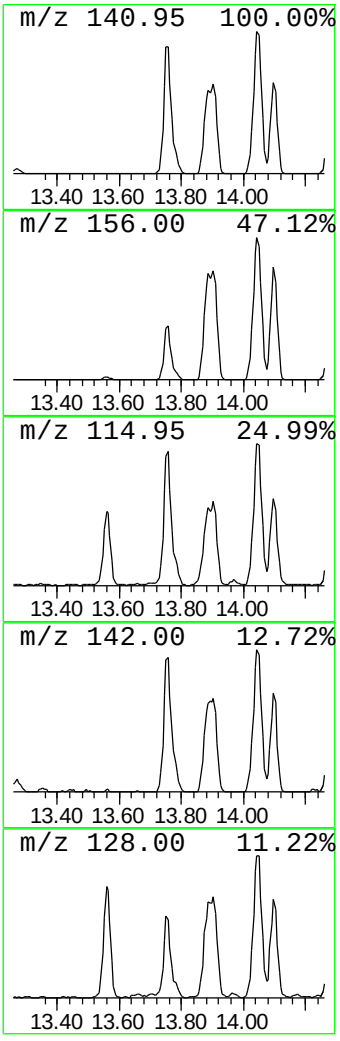
Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	13.34 ng/ul	613864	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, 1-ethyl-	156	C12H12	001127-76-0	94
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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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

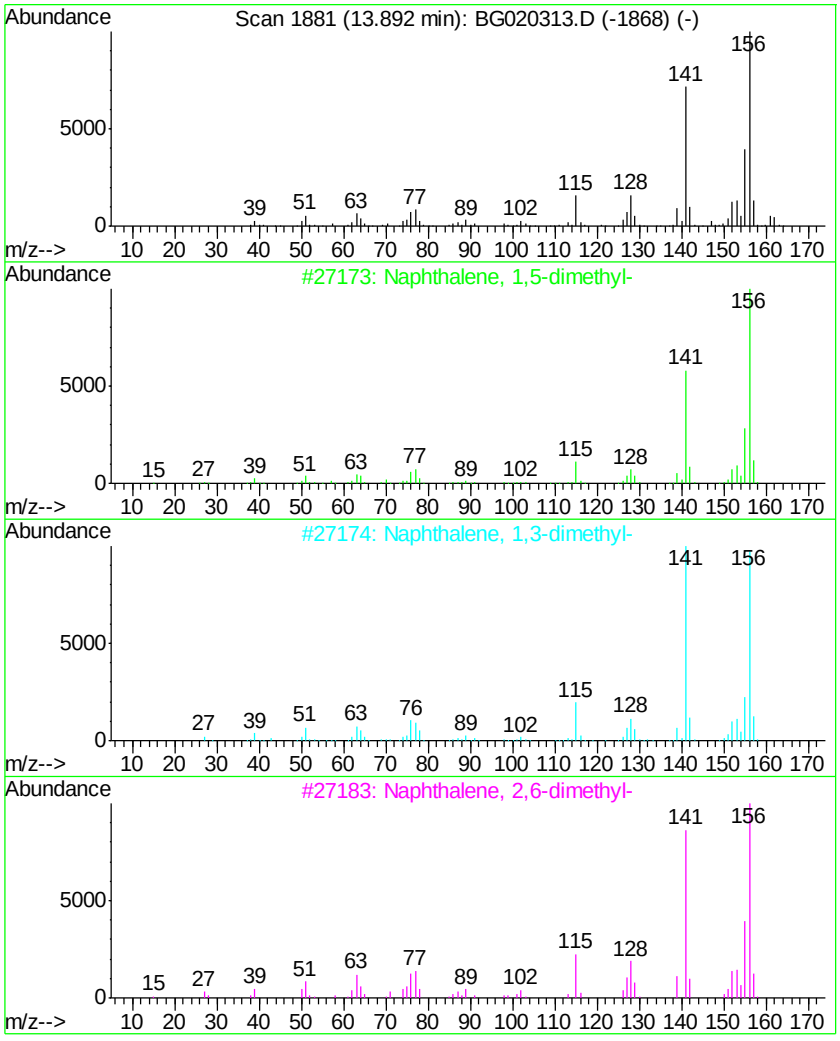
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

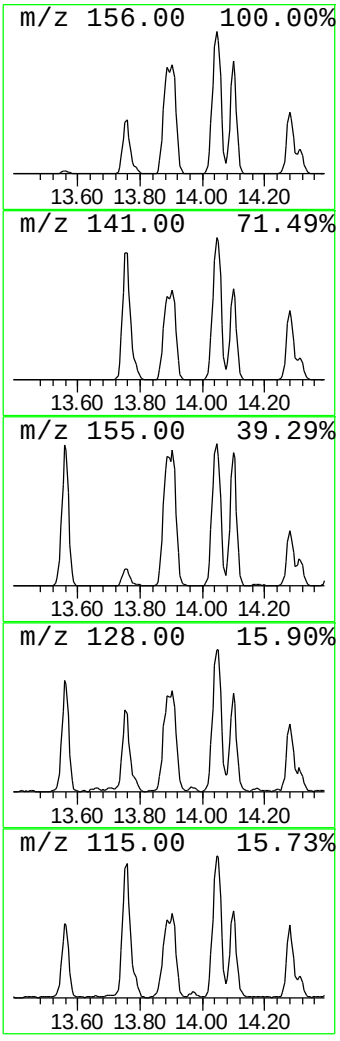
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	12.95 ng/ul	595960	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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

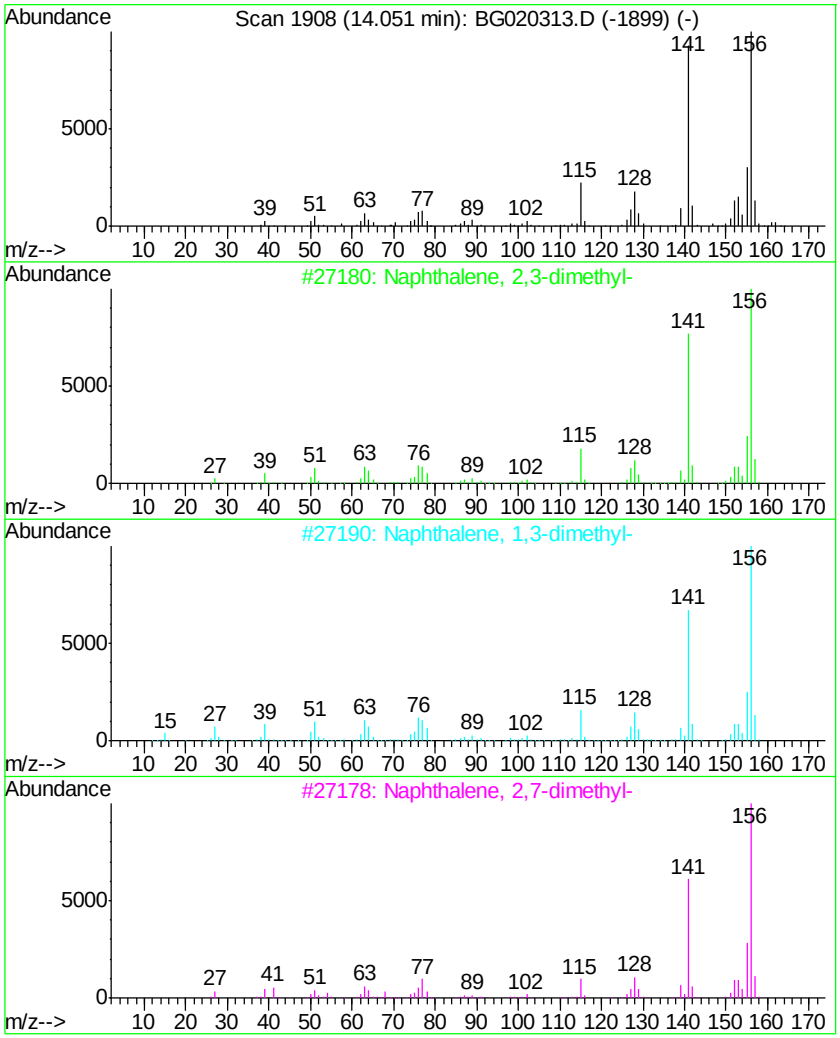
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

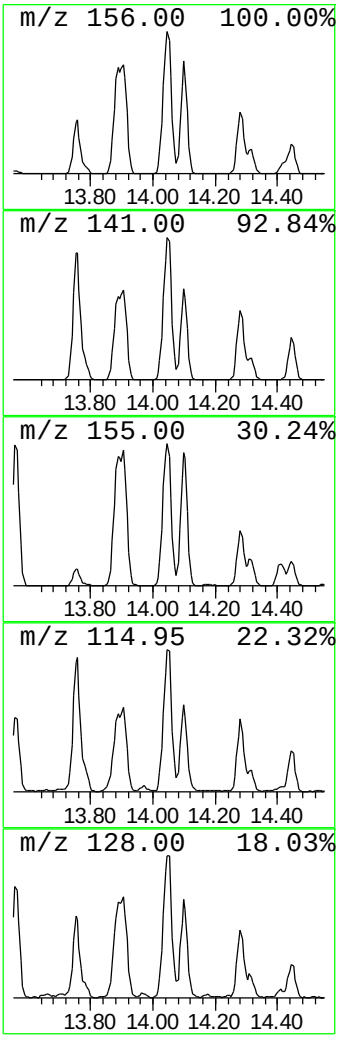
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	23.74 ng/ul	1092430	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, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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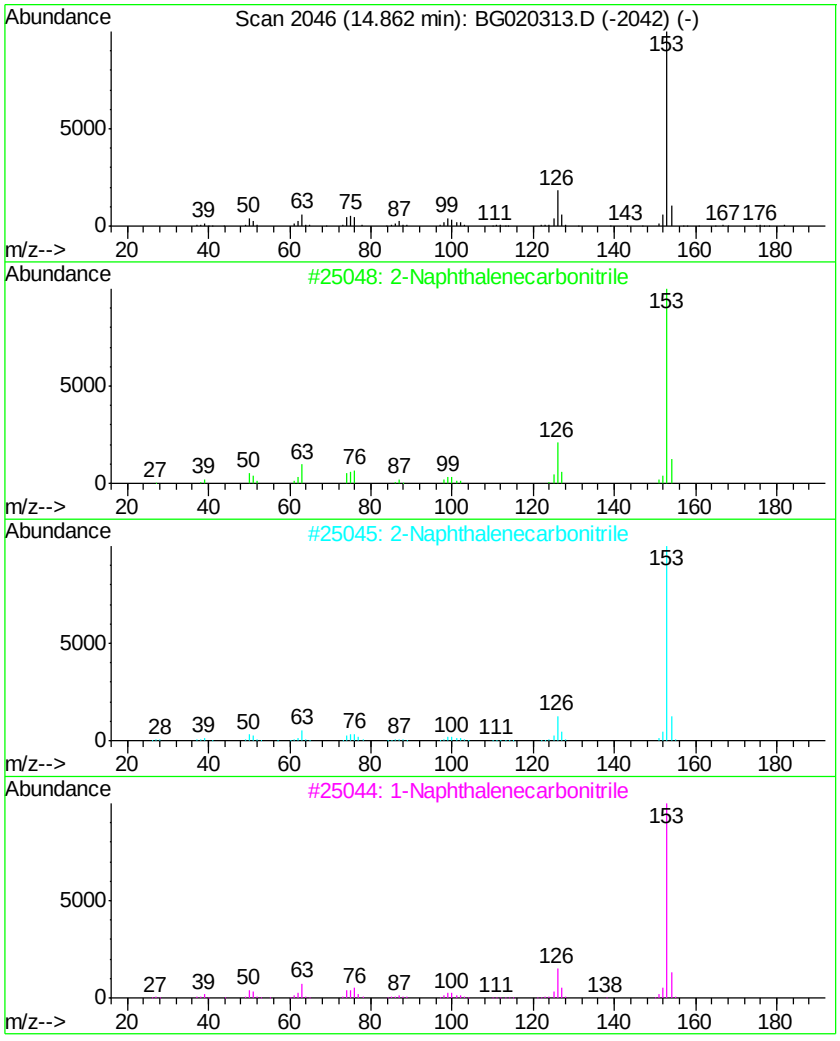
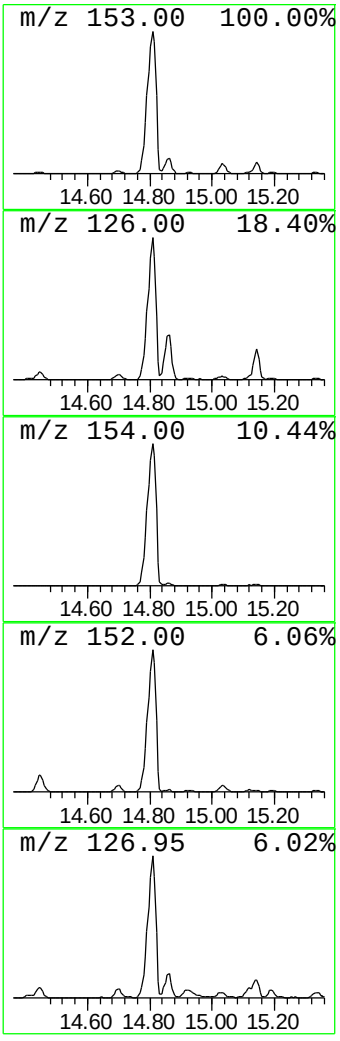
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	7.62 ng/ul	350816	Acenaphthene-d10	14.73

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





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ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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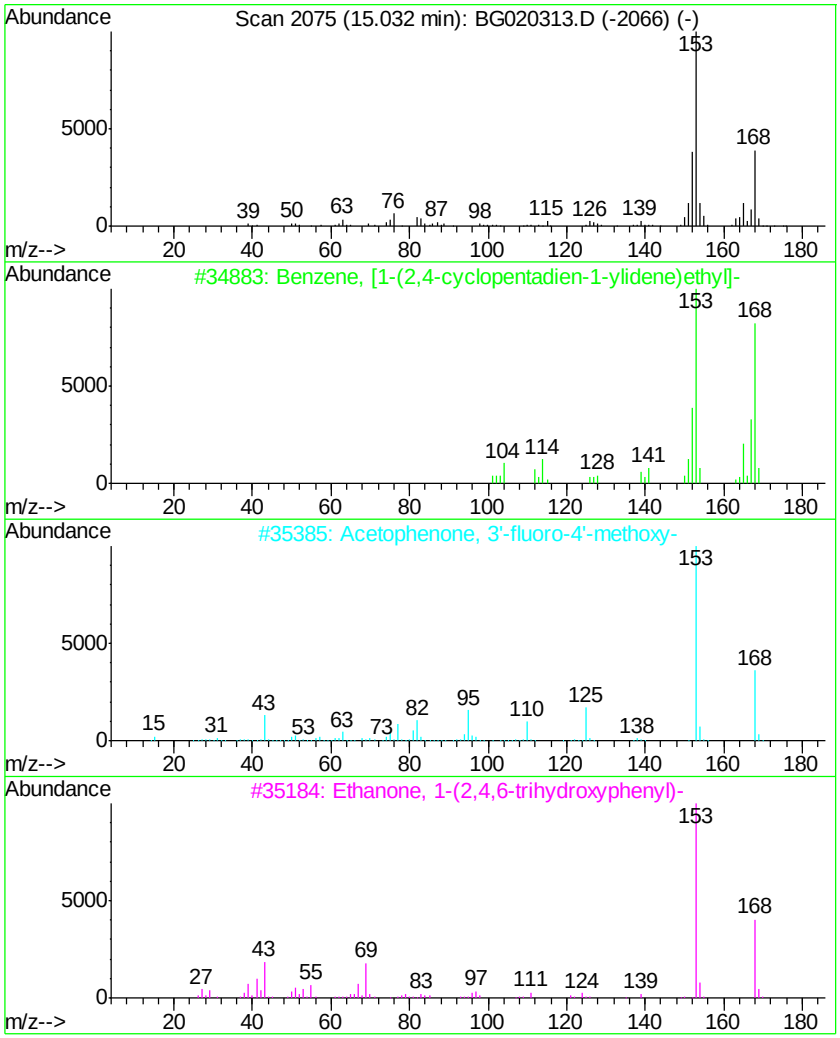
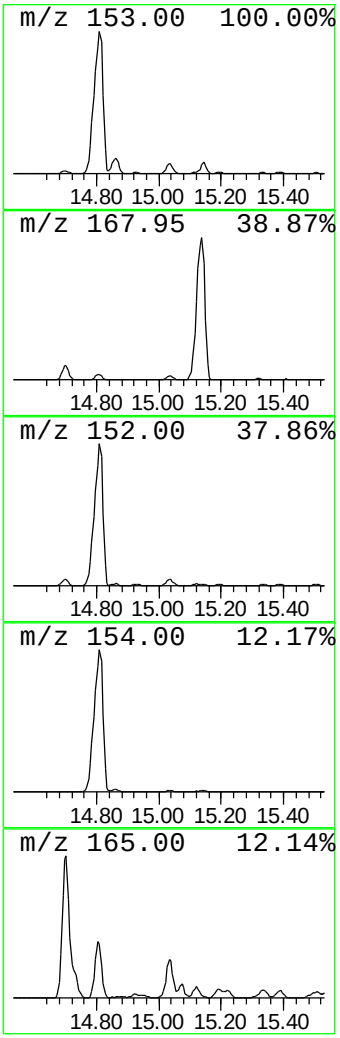
Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	9.36 ng/ul	430931	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
2	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53





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Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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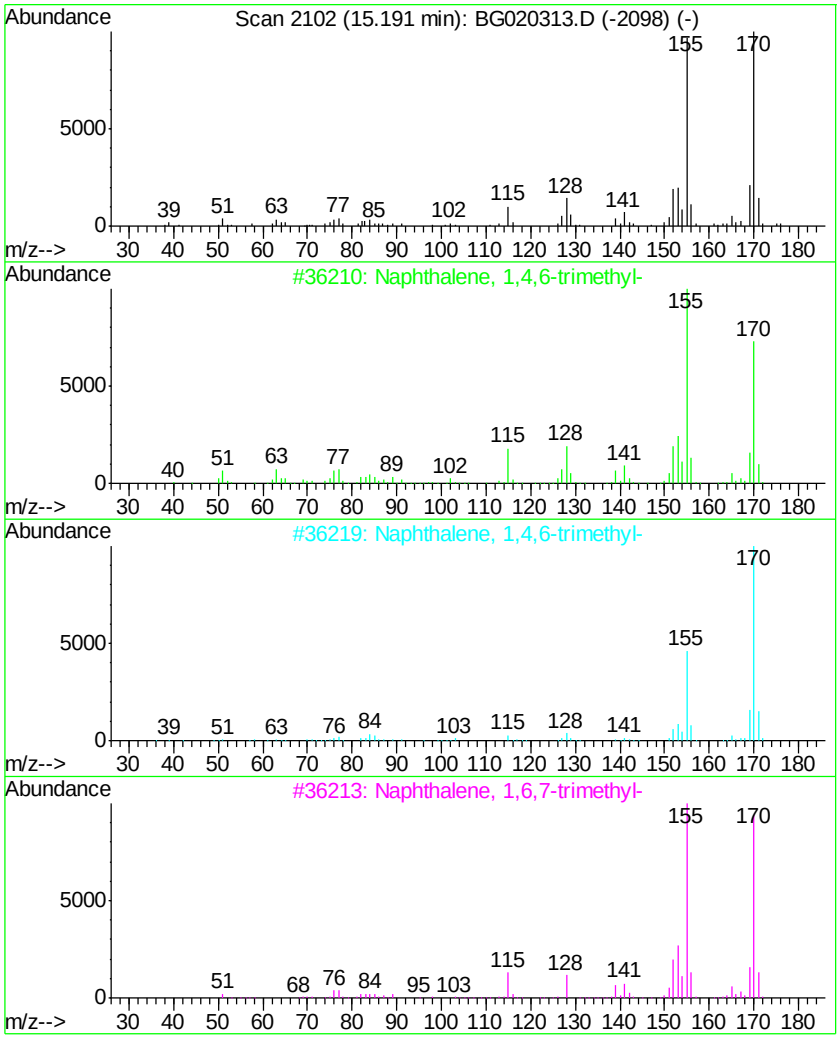
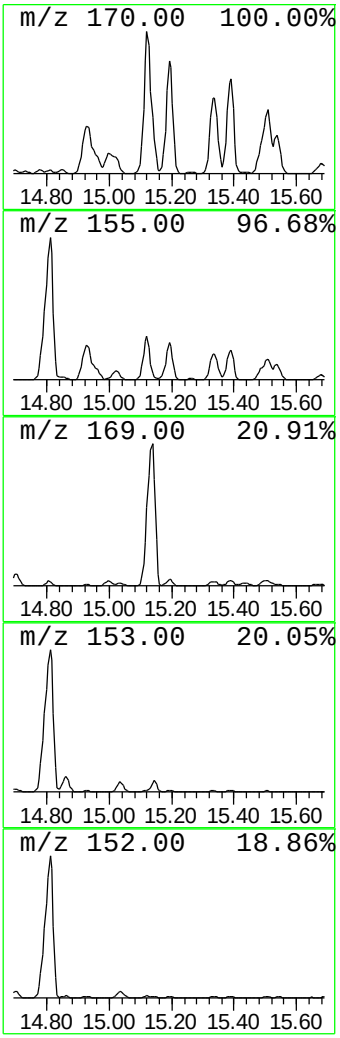
Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.54 ng/ul	255087	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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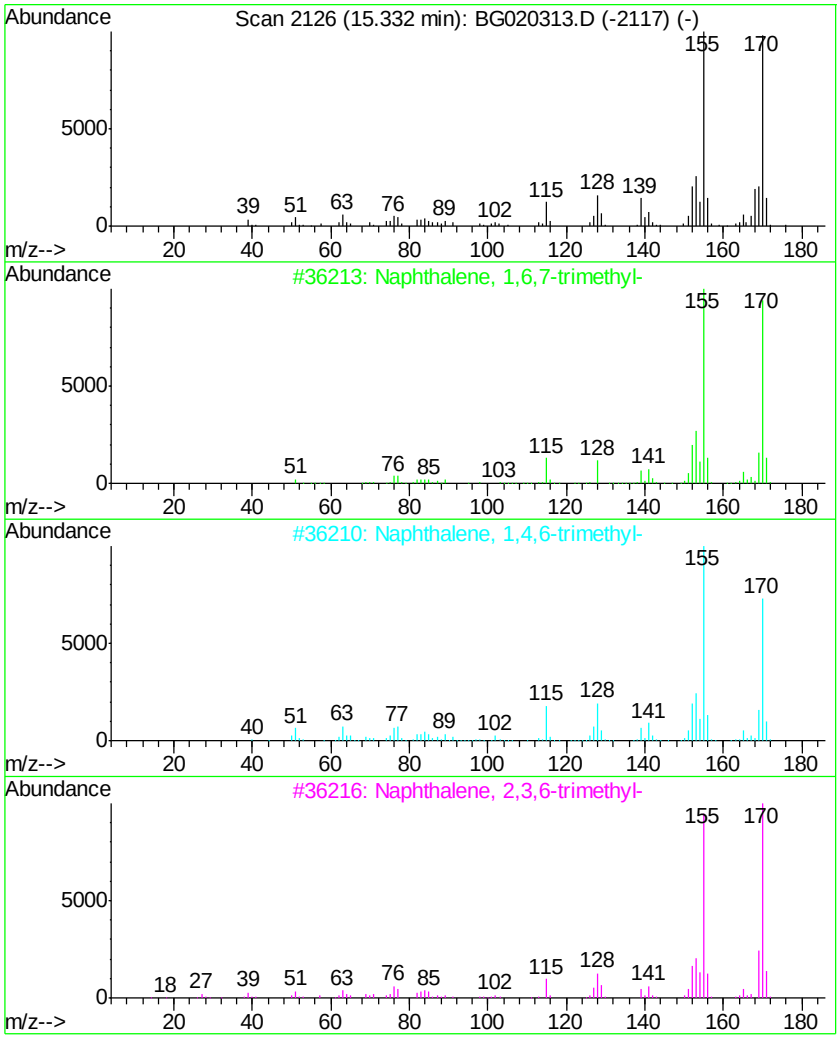
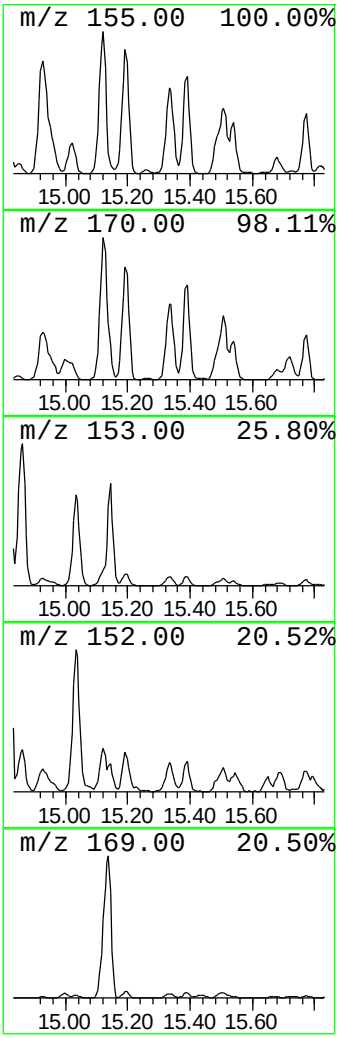
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	4.92 ng/ul	226348	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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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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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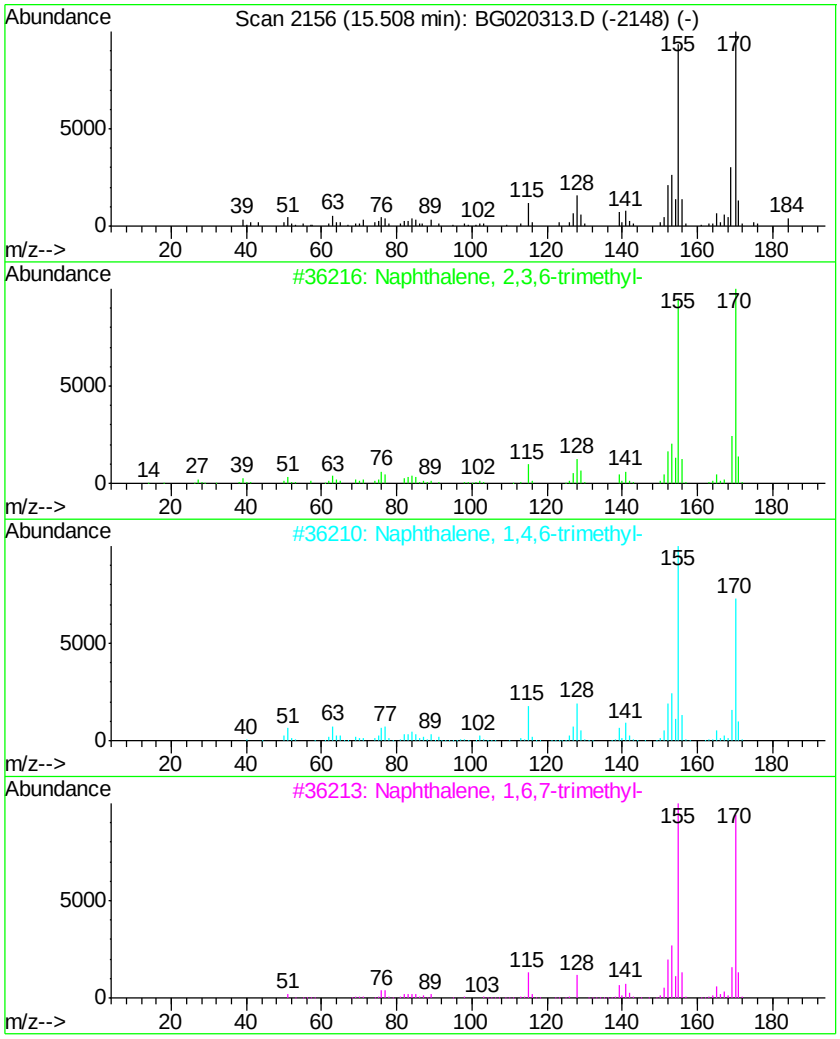
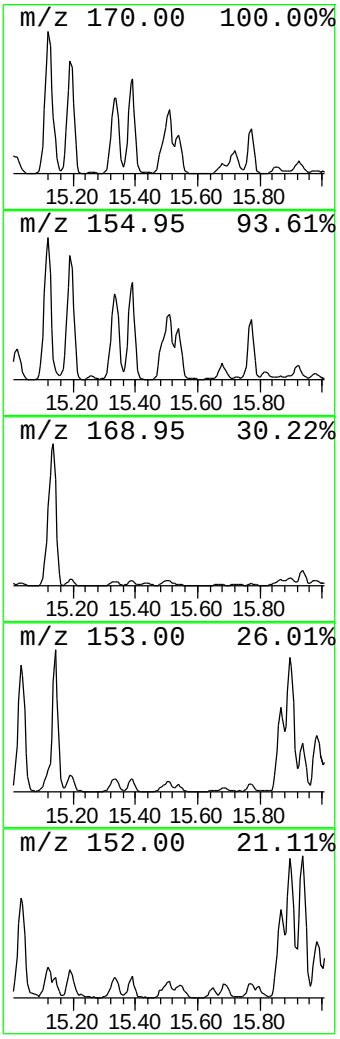
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	4.62 ng/ul	212476	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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96





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ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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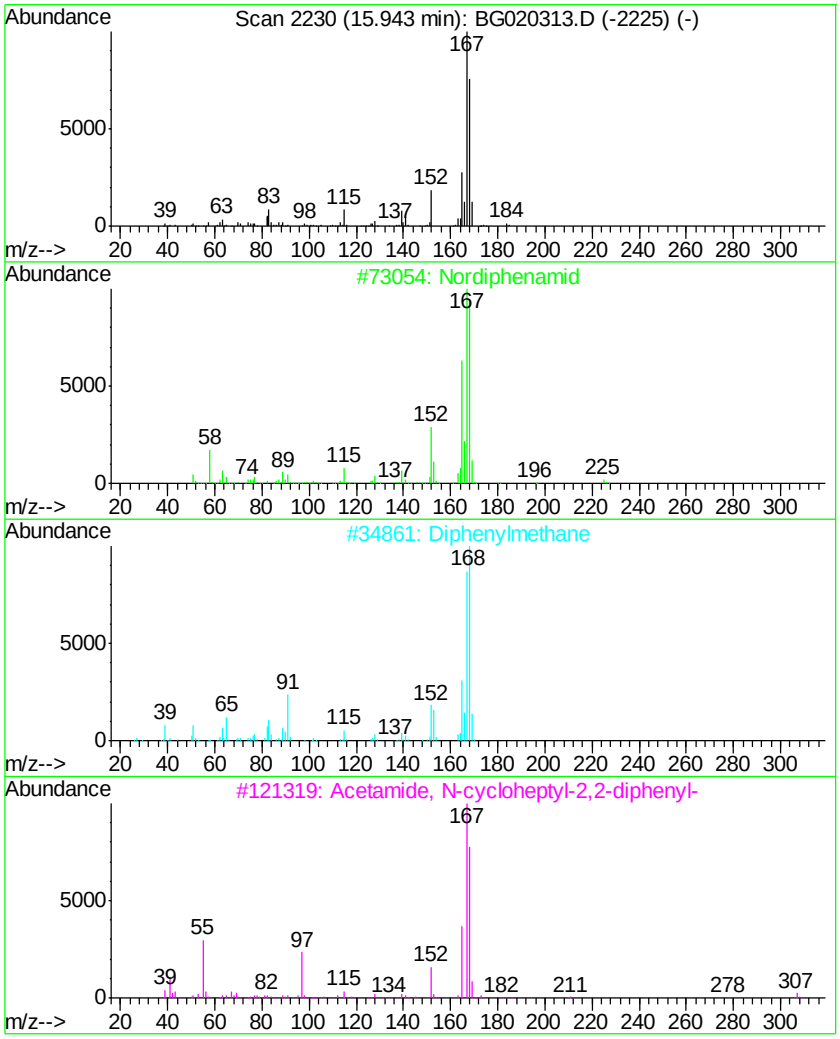
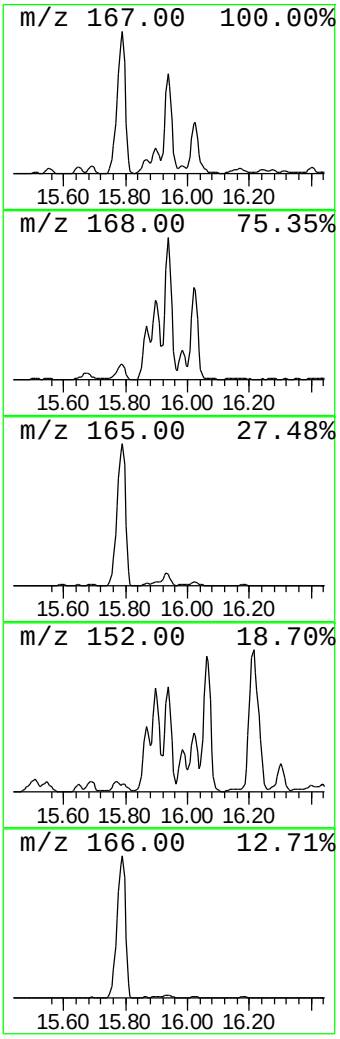
Peak Number 13 Nordiphenamid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	22.53 ng/ul	1036750	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	90
2	Diphenylmethane	168	C13H12	000101-81-5	74
3	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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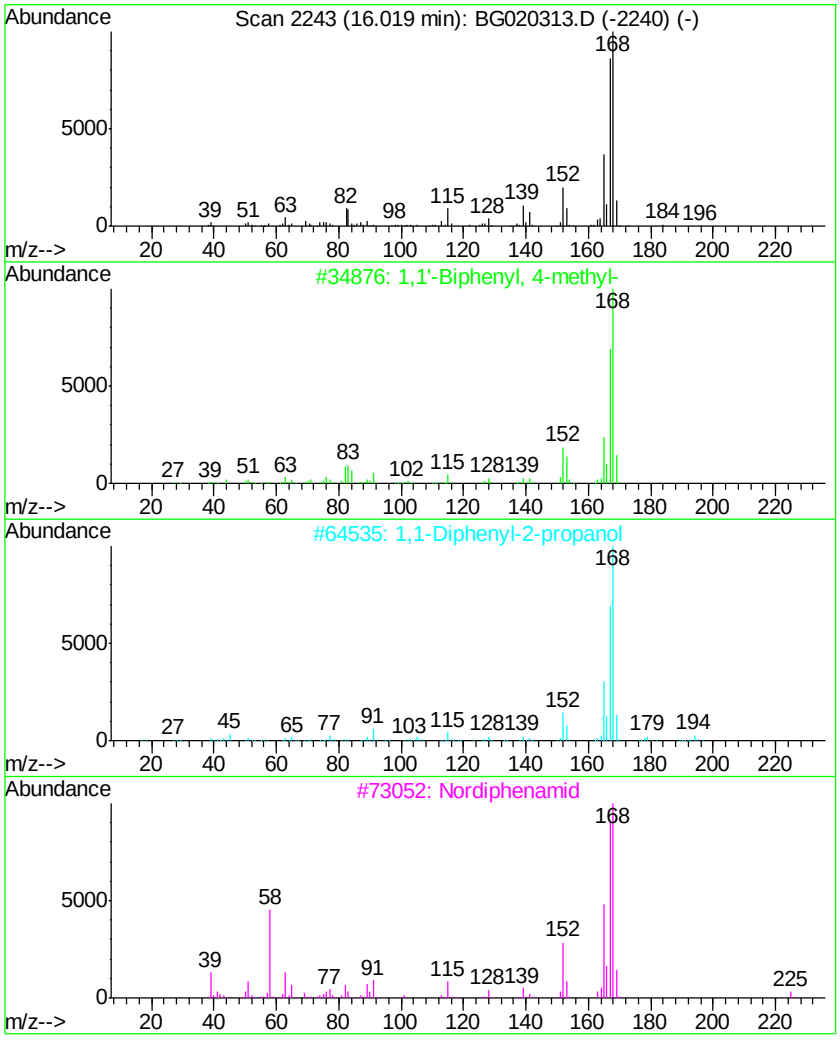
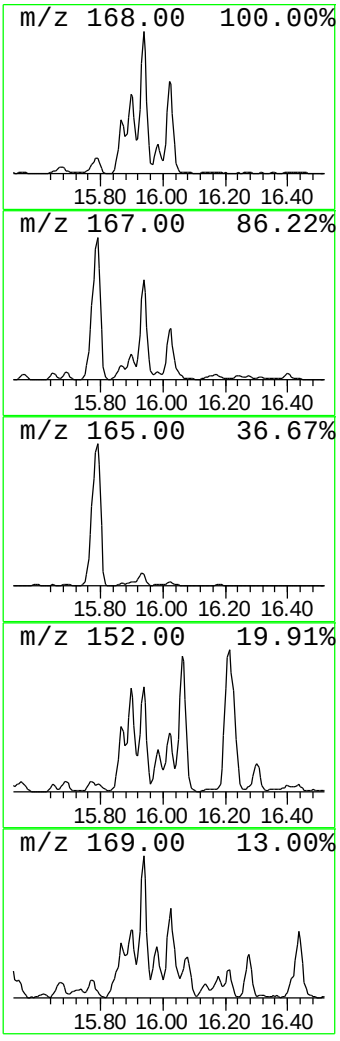
Peak Number 15 1,1'-Biphenyl, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	10.67 ng/ul	490837	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
3	Nordiphenamid	225	C15H15NO	000954-21-2	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80





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Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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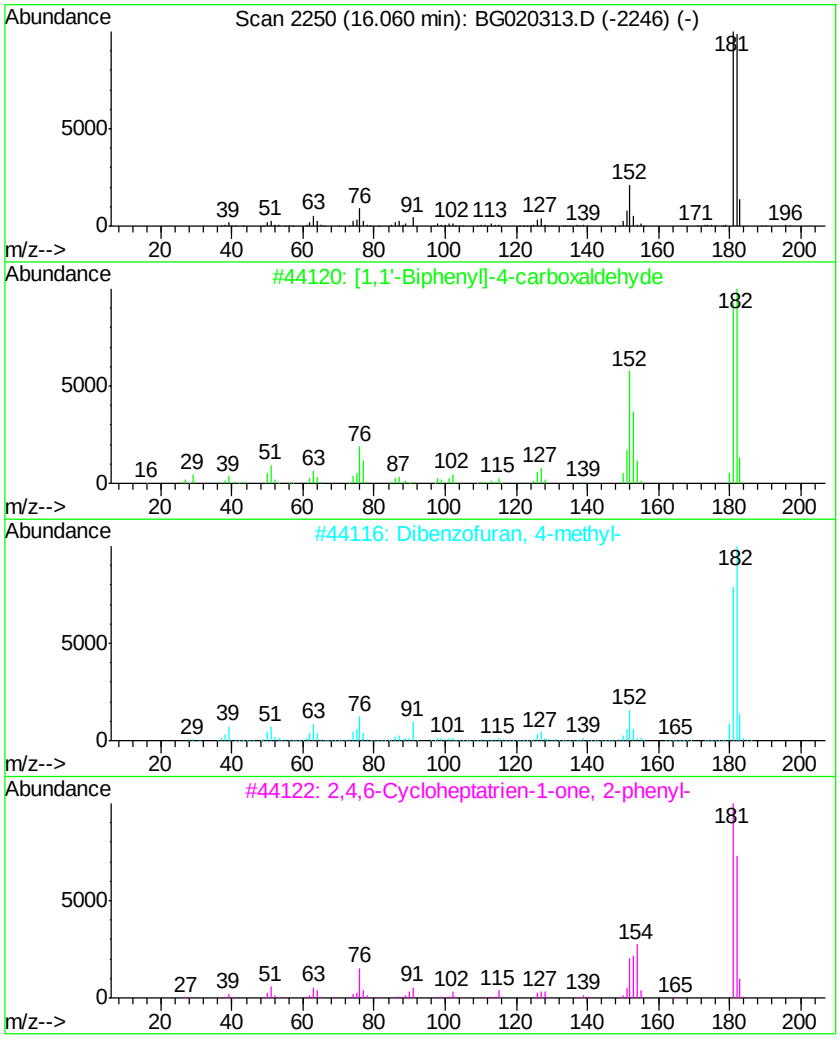
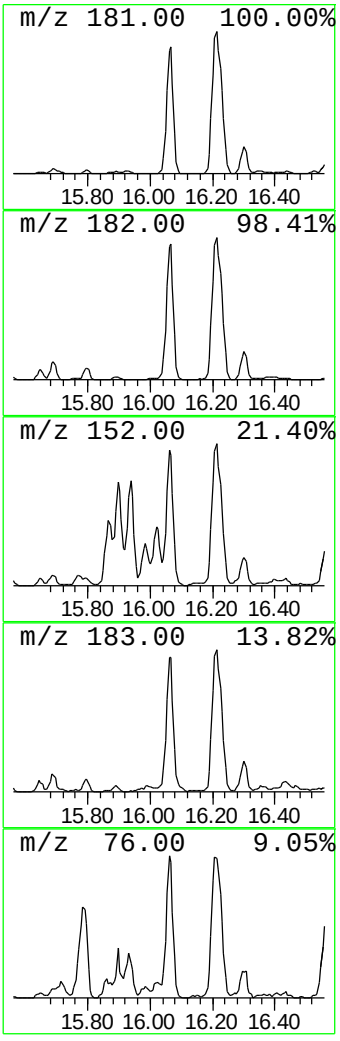
Peak Number 16 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	23.28 ng/ul	1071120	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
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	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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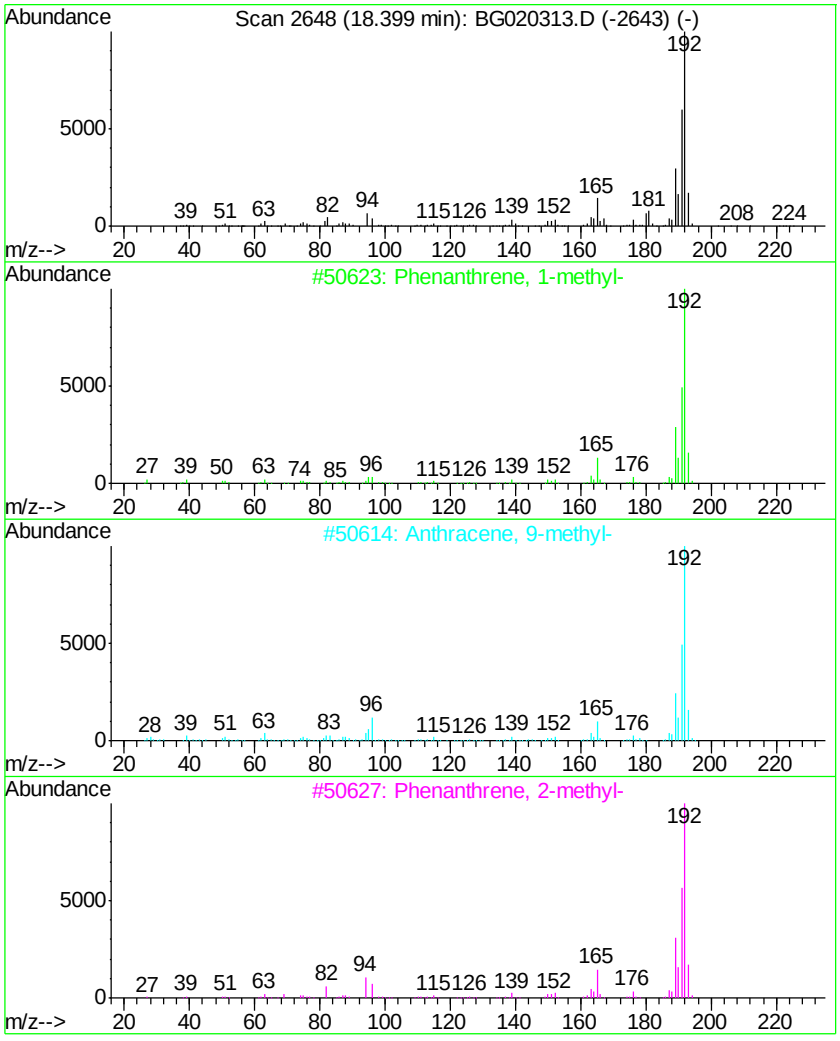
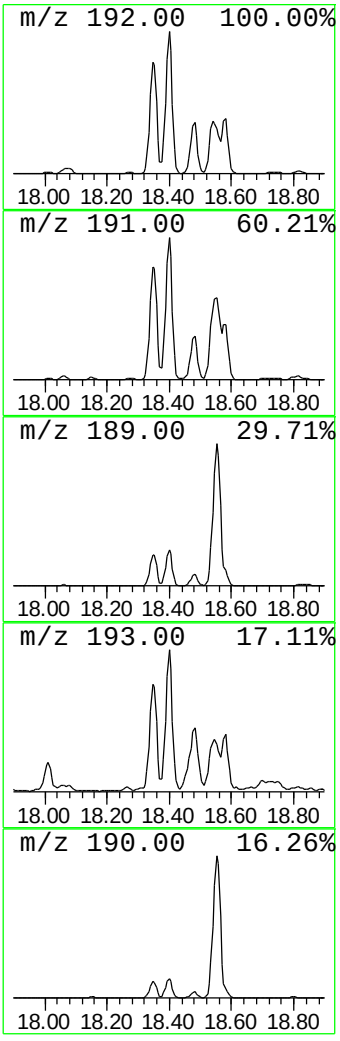
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.28 ng/ul	2042150	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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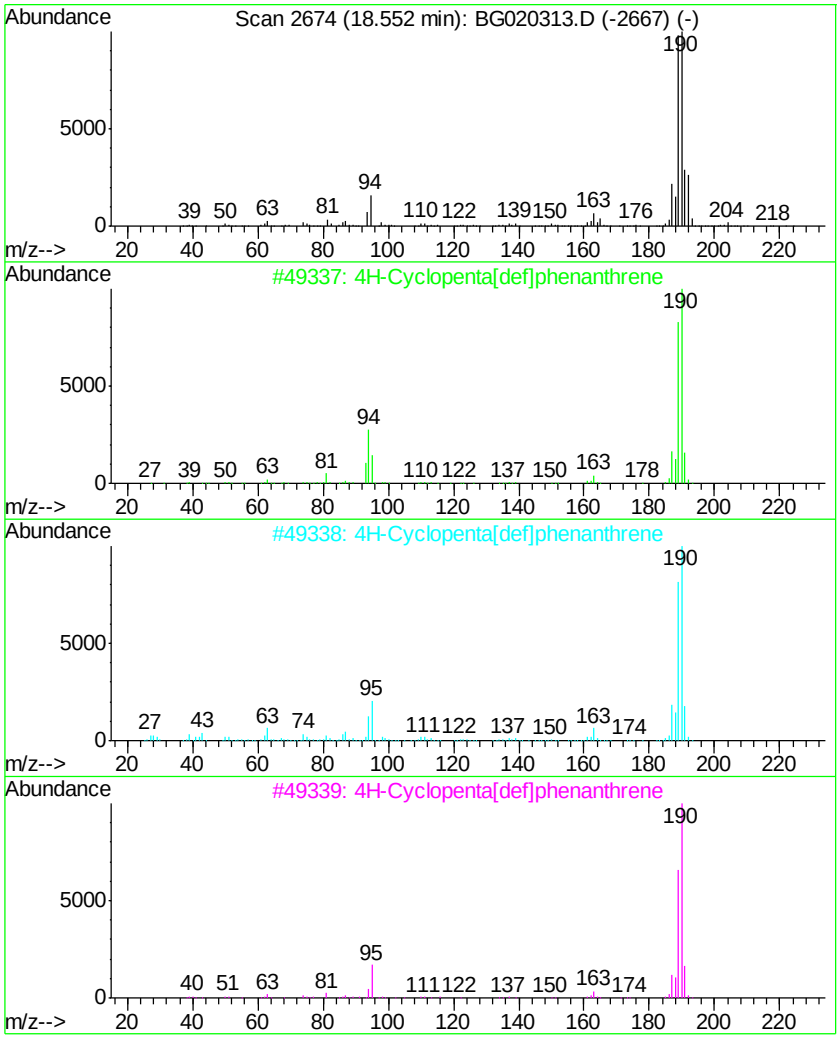
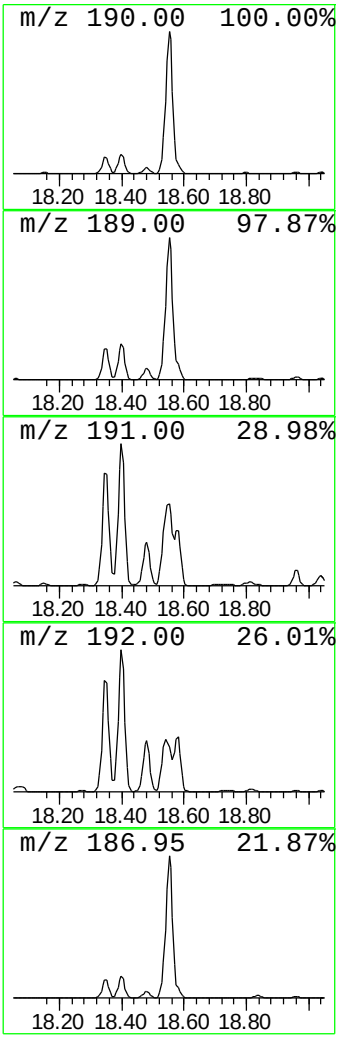
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.07 ng/ul	3650440	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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Quant Title : SVOA CALIBRATION

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

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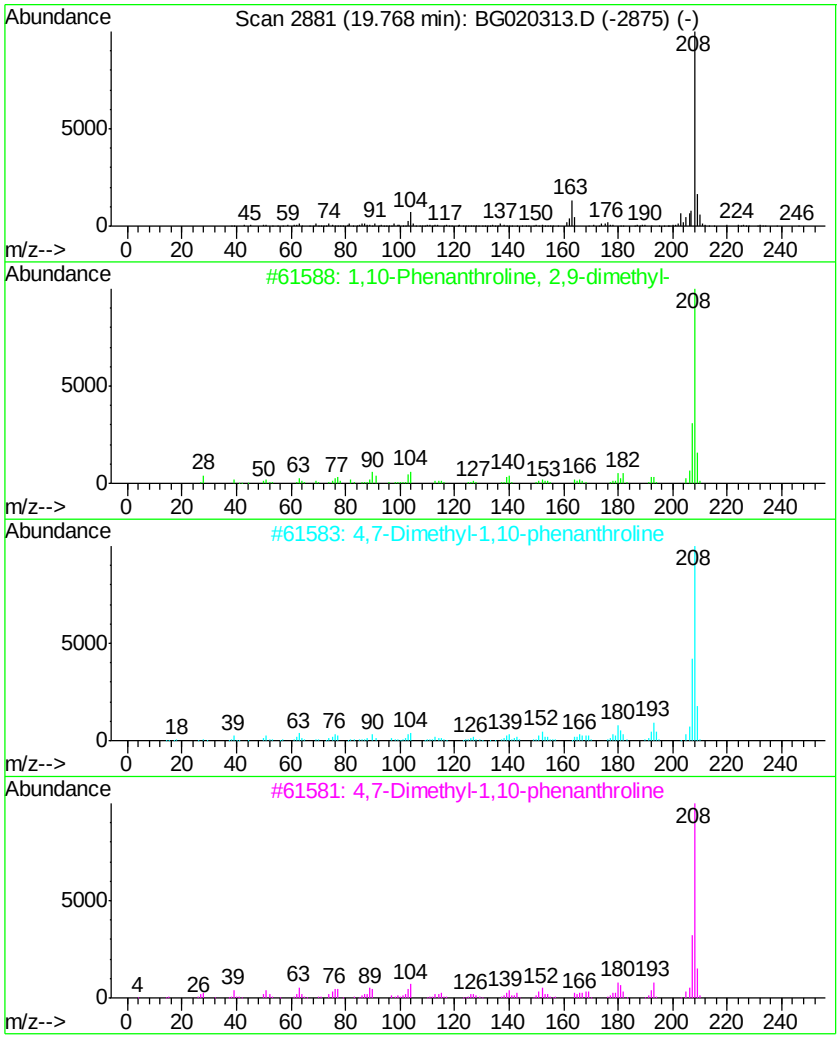
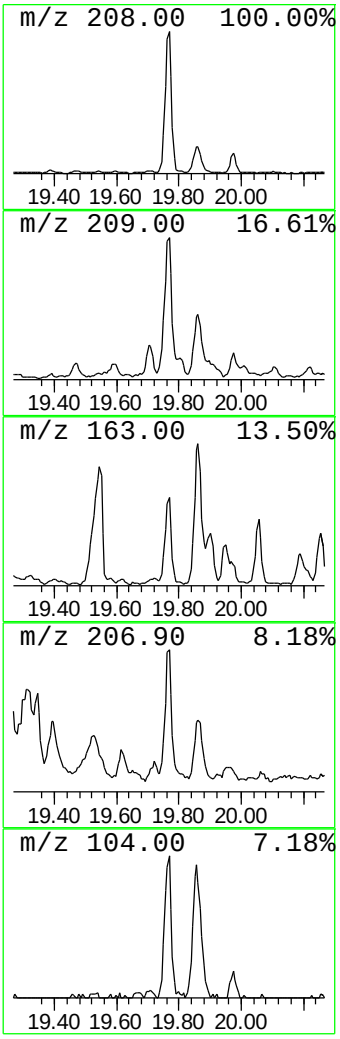
Peak Number 19 1,10-Phenanthroline, 2,9-di... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	3.07 ng/ul	522772	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	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
3	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
4	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	59
5	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59





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

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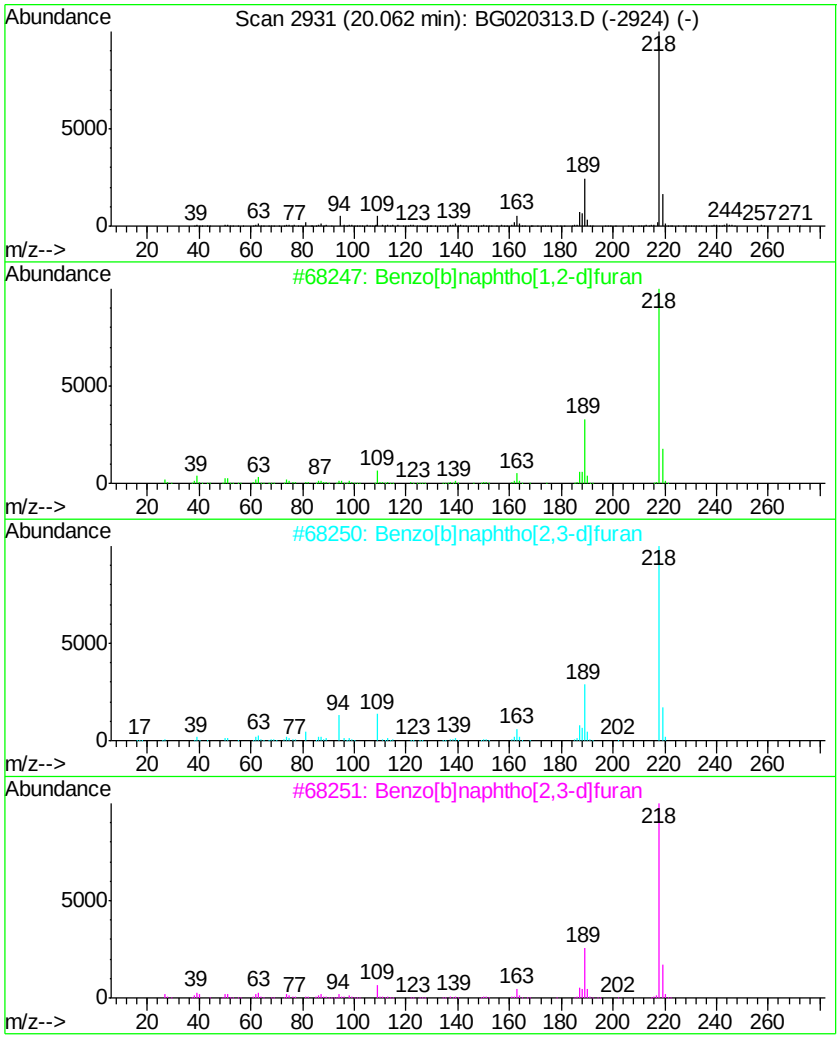
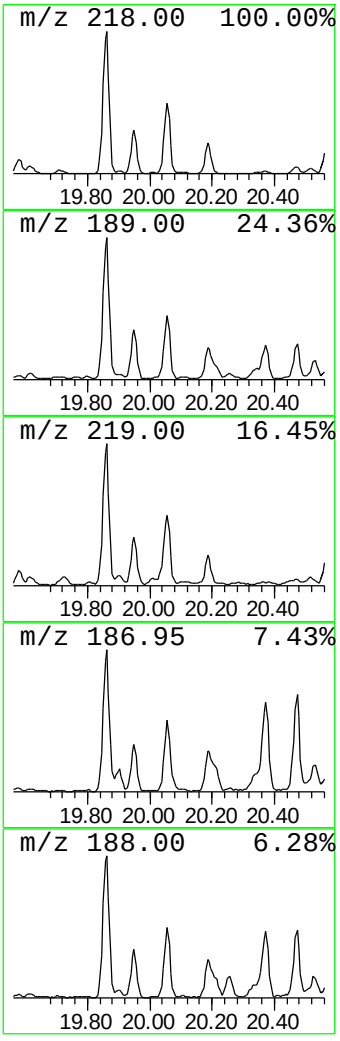
Peak Number 20 Benzo[b]naphtho[1,2-d]furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.19 ng/ul	543392	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	97
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	91
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





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Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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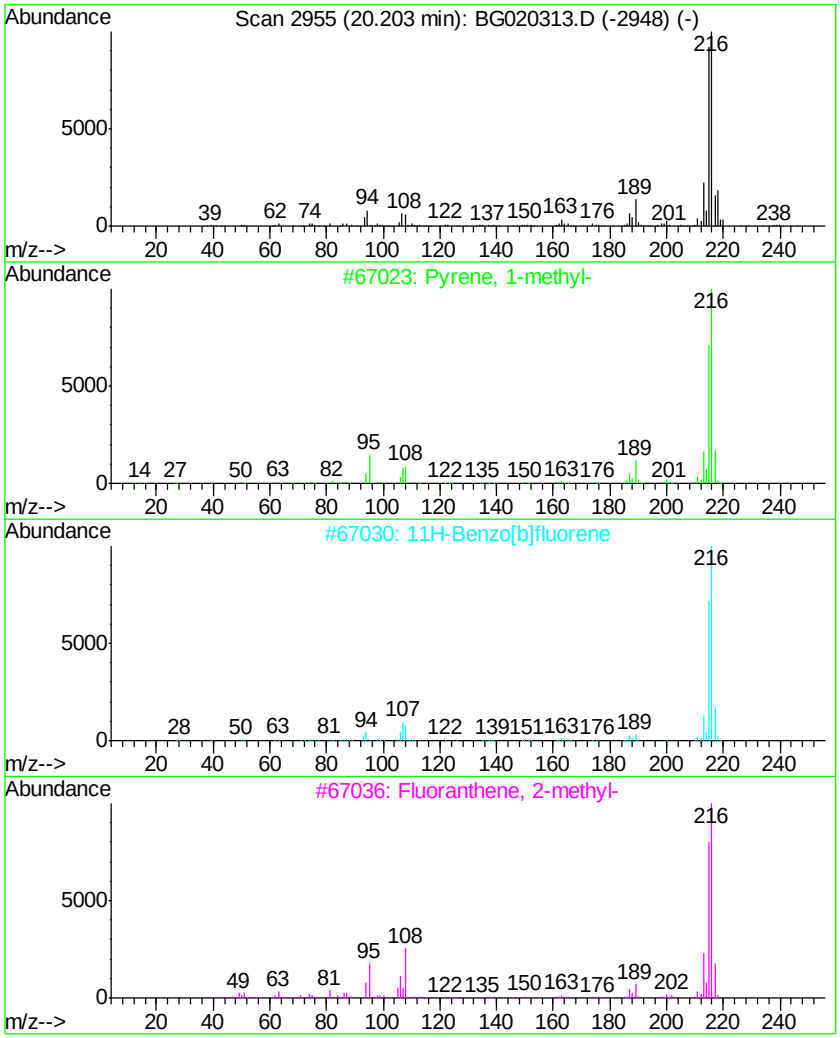
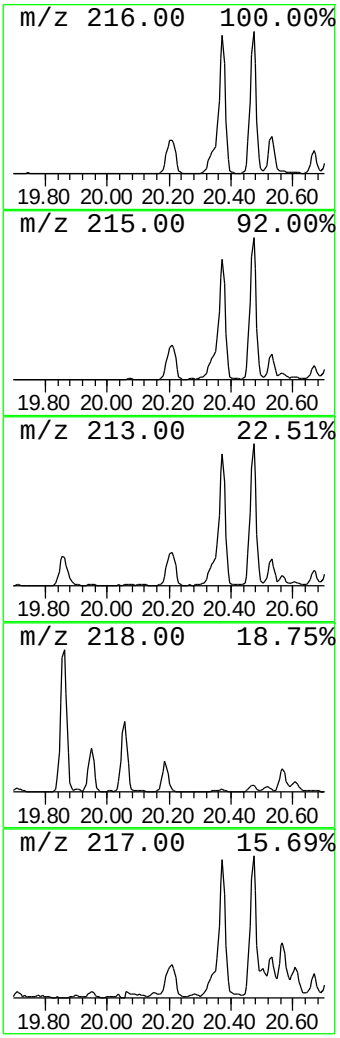
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.08 ng/ul	524986	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62





Library Search Compound Report

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Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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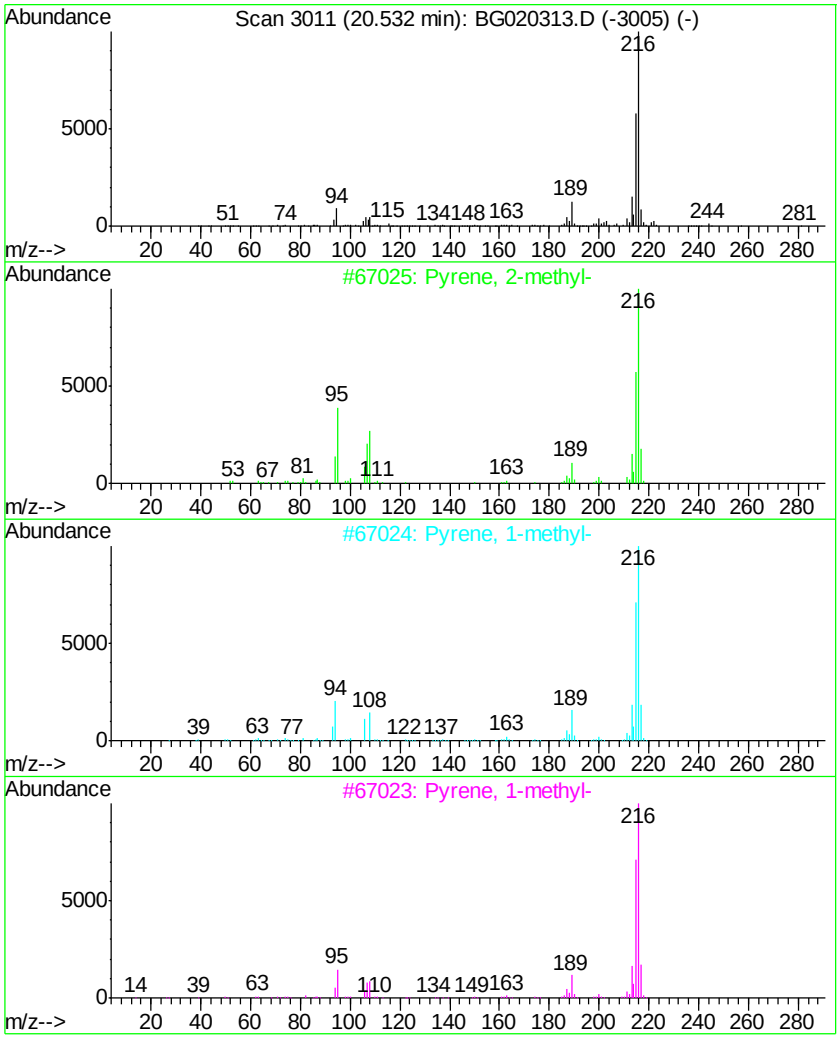
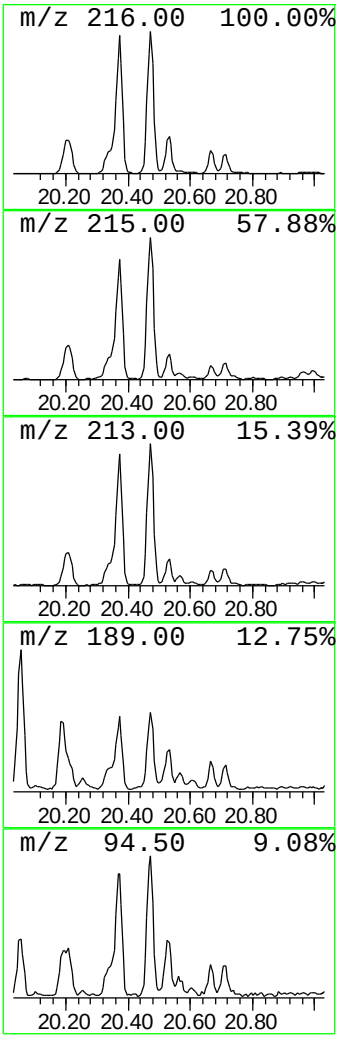
Peak Number 24 Pyrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	3.56 ng/ul	606212	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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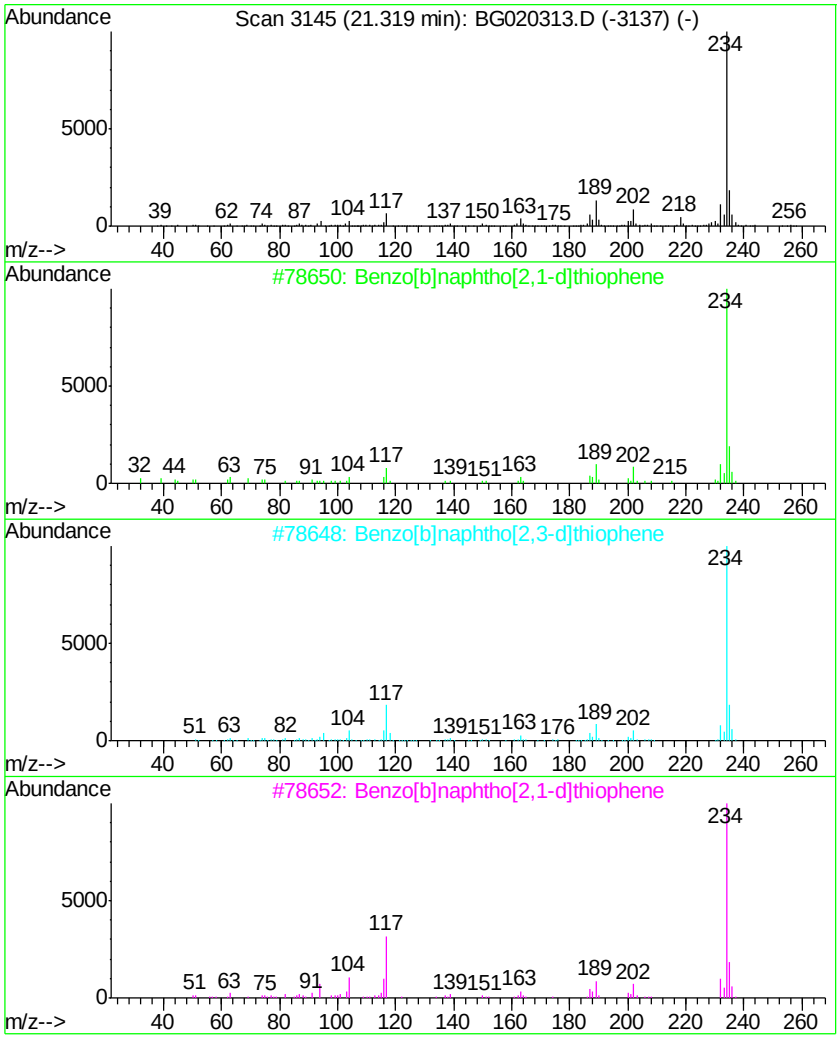
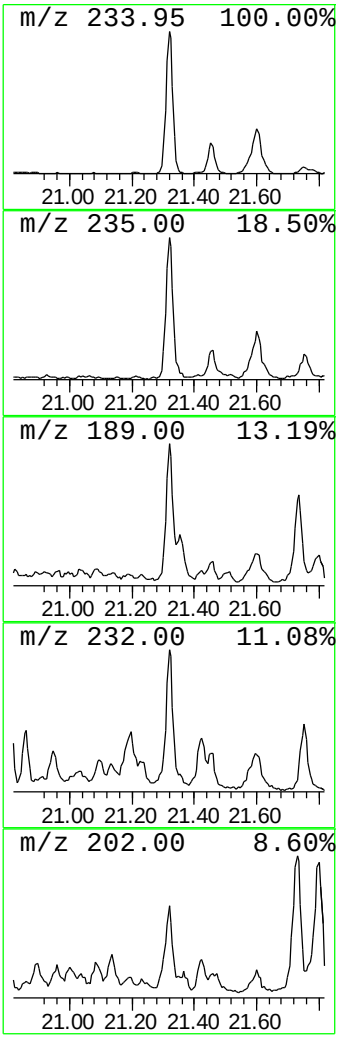
Peak Number 25 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.14 ng/ul	535208	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	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[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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Quant Title : SVOA CALIBRATION

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

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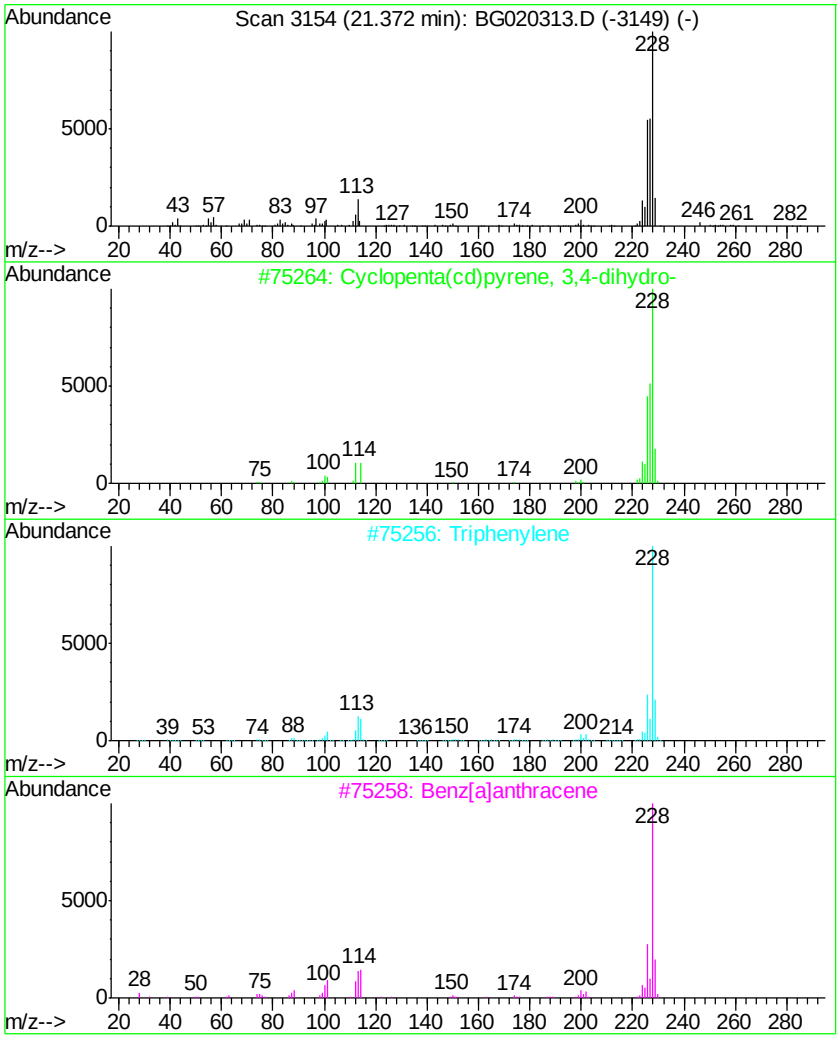
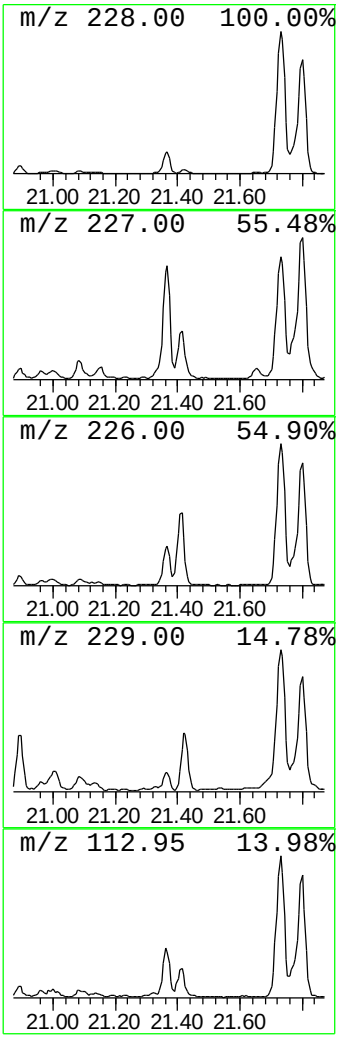
Peak Number 26 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.08 ng/ul	524493	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	58
2	Triphenylene	228	C18H12	000217-59-4	55
3	Benz[a]anthracene	228	C18H12	000056-55-3	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
5	Chrysene	228	C18H12	000218-01-9	53





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Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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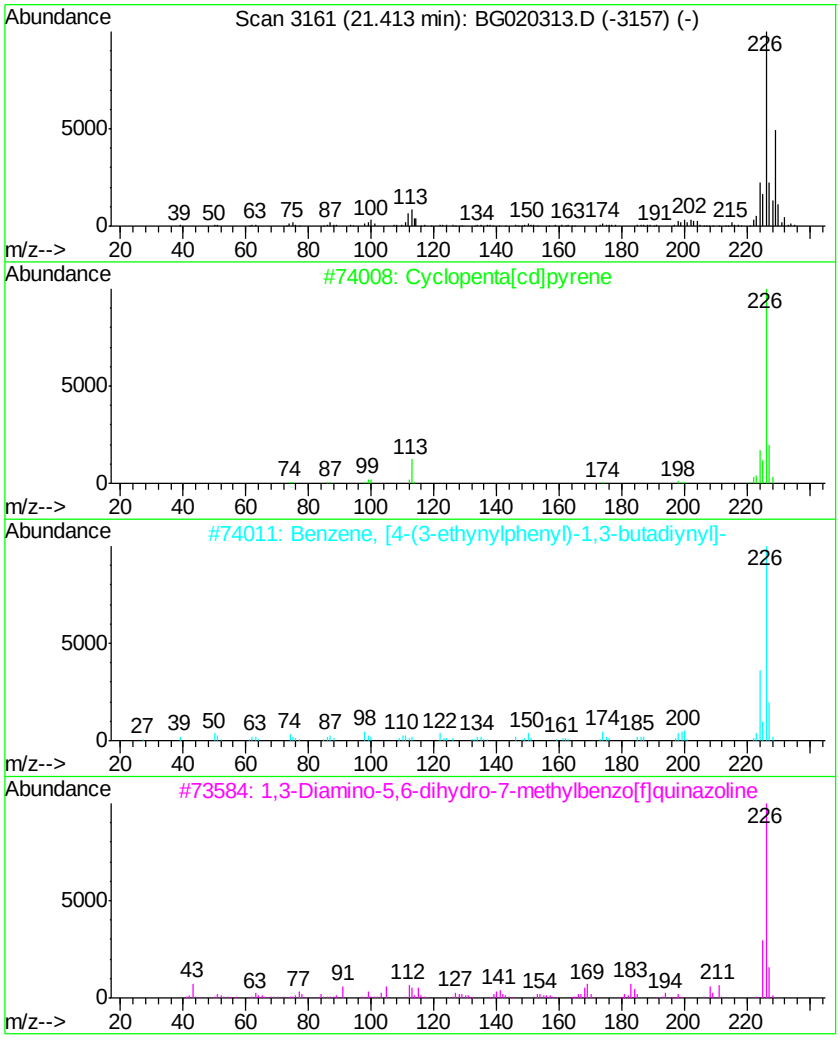
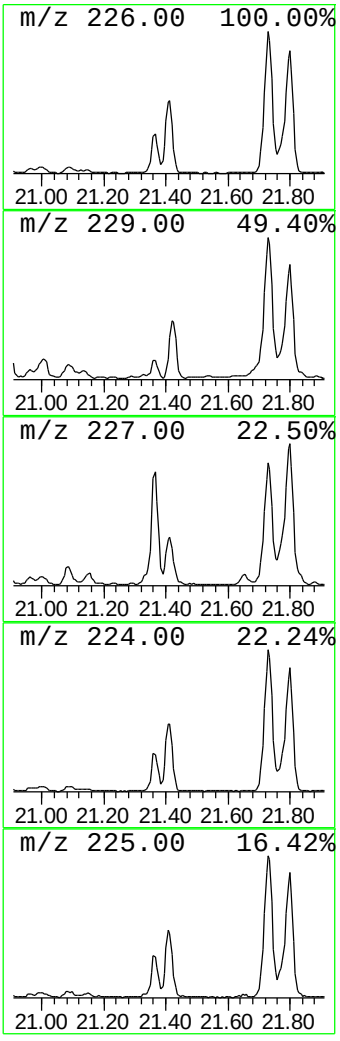
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.70 ng/ul	460463	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	46
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37





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Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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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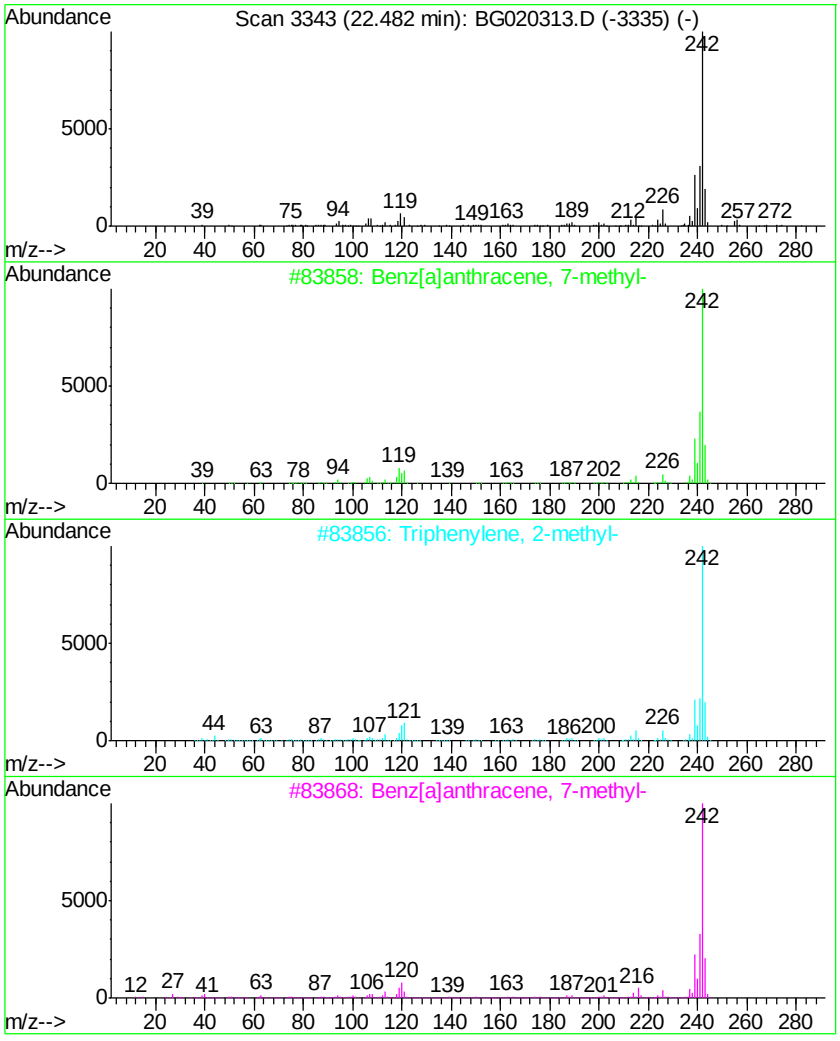
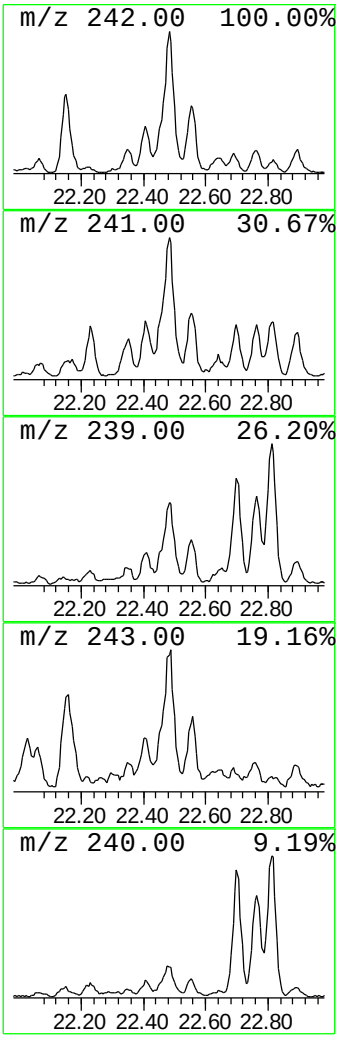
Peak Number 29 Benz[a]anthracene, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	2.30 ng/ul	391436	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	89





Library Search Compound Report

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Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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

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

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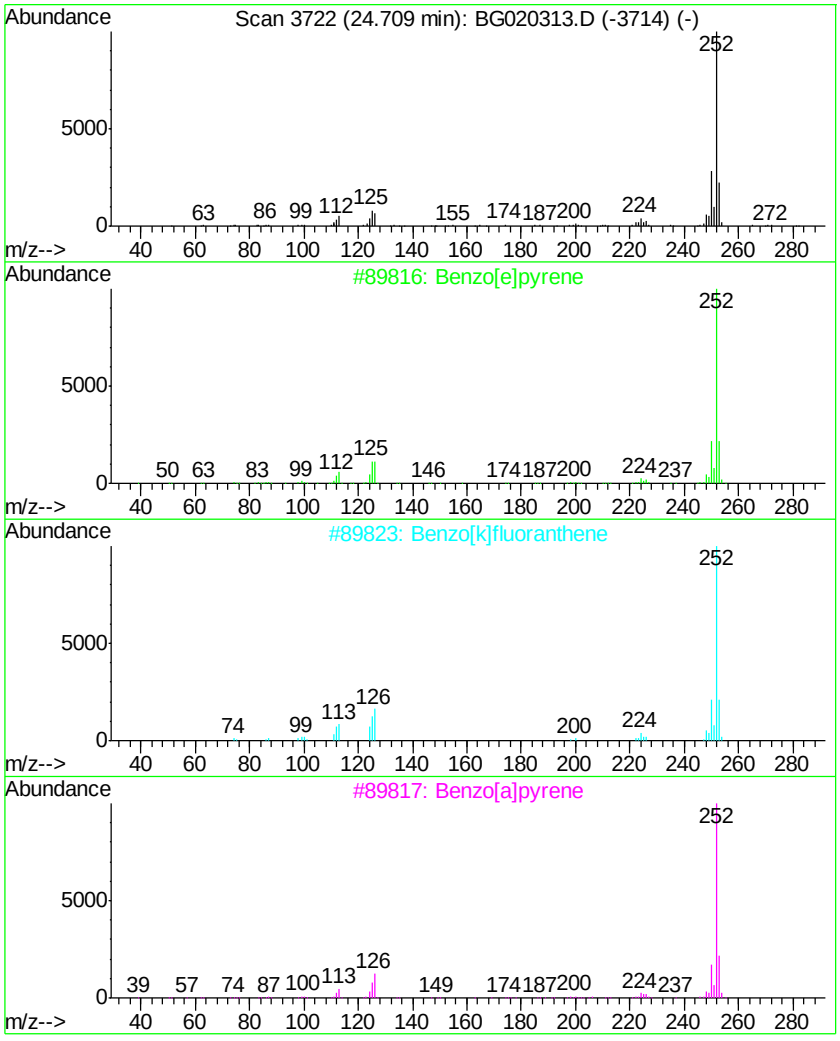
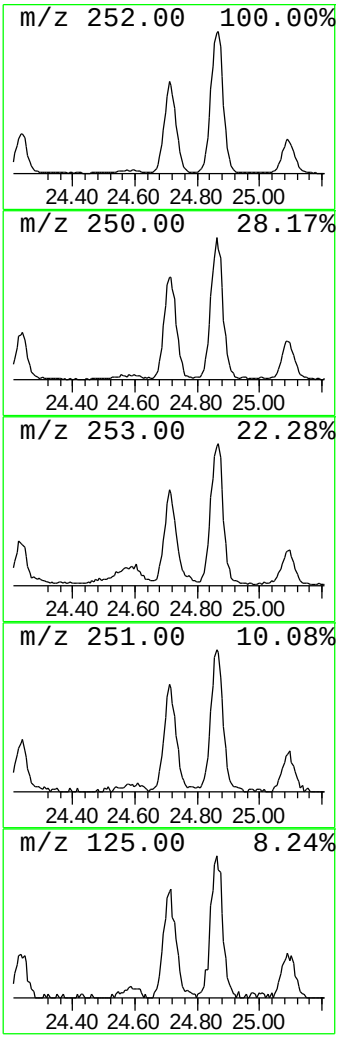
Peak Number 30 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.71	11.77 ng/ul	338385	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

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Data File : BG020313.D
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Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

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	8.63	20.0	ng/ul	337366	1	8.09	337366	20.0
Naphthalene, 1-me...	12.78	4.9	ng/ul	2117270	2	10.91	8714270	20.0
Naphthalene, 1-et...	13.76	13.3	ng/ul	613864	3	14.73	920383	20.0
Naphthalene, 1,5-...	13.89	12.9	ng/ul	595960	3	14.73	920383	20.0
Naphthalene, 2,3-...	14.05	23.7	ng/ul	1092430	3	14.73	920383	20.0
2-Naphthalenecarb...	14.86	7.6	ng/ul	350816	3	14.73	920383	20.0
Benzene, [1-(2,4-...	15.03	9.4	ng/ul	430931	3	14.73	920383	20.0
Naphthalene, 1,4,...	15.19	5.5	ng/ul	255087	3	14.73	920383	20.0
Naphthalene, 1,6,...	15.33	4.9	ng/ul	226348	3	14.73	920383	20.0
Naphthalene, 2,3,...	15.51	4.6	ng/ul	212476	3	14.73	920383	20.0
Nordiphenamid	15.94	22.5	ng/ul	1036750	3	14.73	920383	20.0
1,1'-Biphenyl, 4-...	16.02	10.7	ng/ul	490837	3	14.73	920383	20.0
[1,1'-Biphenyl]-4...	16.06	23.3	ng/ul	1071120	3	14.73	920383	20.0
Phenanthrene, 1-m...	18.40	2.3	ng/ul	2042150	4	17.48	17934300	20.0
4H-Cyclopenta[def...	18.55	4.1	ng/ul	3650440	4	17.48	17934300	20.0
1,10-Phenanthroli...	19.77	3.1	ng/ul	522772	5	21.75	3406290	20.0
Benzo[b]naphtho[1...	20.06	3.2	ng/ul	543392	5	21.75	3406290	20.0
Pyrene, 1-methyl-	20.20	3.1	ng/ul	524986	5	21.75	3406290	20.0
Pyrene, 2-methyl-	20.53	3.6	ng/ul	606212	5	21.75	3406290	20.0
Benzo[b]naphtho[2...	21.32	3.1	ng/ul	535208	5	21.75	3406290	20.0
Cyclopenta(cd)pyr...	21.37	3.1	ng/ul	524493	5	21.75	3406290	20.0
Cyclopenta[cd]pyrene	21.41	2.7	ng/ul	460463	5	21.75	3406290	20.0
Benz[a]anthracene...	22.48	2.3	ng/ul	391436	5	21.75	3406290	20.0
Benzo[e]pyrene	24.71	11.8	ng/ul	338385	6	25.02	574919	20.0