LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG122415.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	3.096	39	44	53	rBV	38480	70905	0.47%	0.106%
2	4.753	320	326	337	rVB	150072	244340	1.62%	0.365%
3	5.693	479	486	497	rBV2	20064	43004	0.28%	0.064%
4	7.397	770	776	783	rBV	58463	96804	0.64%	0.144%
5	7.608	806	812	823	rBV	61804	105737	0.70%	0.158%
6	7.720	823	831	838	rVB2	53497	89852	0.60%	0.134%
7	8.078	885	892	900	rBV	160677	273765	1.81%	0.409%
8	8.454	947	956	965	rBB	95929	171890	1.14%	0.257%
9	8.619	976	984	995	rVV	547518	939466	6.23%	1.402%
10	8.789	1006	1013	1025	rBV	54273	93158	0.62%	0.139%
11	9.247	1085	1091	1103	rVB	82725	159691	1.06%	0.238%
12	9.565	1133	1145	1151	rBV2	54768	121372	0.80%	0.181%
13	9.976	1209	1215	1224	rVB	69559	124741	0.83%	0.186%
14	10.287	1261	1268	1279	rBV3	46391	141759	0.94%	0.212%
15	10.393	1279	1286	1299	rVB	32467	90618	0.60%	0.135%
16	10.522	1300	1308	1316	rBV	132417	249967	1.66%	0.373%
17	10.998	1366	1389	1394	rVV	4980500	15091267	100.00%	22.526%
18	11.081	1394	1403	1411	rVB	413705	691418	4.58%	1.032%
19	11.715	1505	1511	1522	rVB3	27092	52931	0.35%	0.079%
20	12.444	1629	1635	1643	rVB	57661	96590	0.64%	0.144%
21	12.561	1645	1655	1665	rBV	2083446	3792534	25.13%	5.661%
22	12.667	1665	1673	1679	rBV	72073	130926	0.87%	0.195%
23	12.773	1679	1691	1698	rVB	1347233	2313063	15.33%	3.453%
24	13.184	1755	1761	1769	rBV	34137	58905	0.39%	0.088%
25	13.548	1815	1823	1835	rBV	681228	1031293	6.83%	1.539%
26	13.742	1849	1856	1867	rVB2	123356	270176	1.79%	0.403%
27	13.889	1867	1881	1888	rBV3	141536	390044	2.58%	0.582%
28	14.030	1898	1905	1910	rVV	246799	453015	3.00%	0.676%
29	14.089	1910	1915	1917	rVV	153650	267527	1.77%	0.399%
30	14.118	1917	1920	1925	rVV	237578	326920	2.17%	0.488%
31	14.271	1939	1946	1949	rVV	97445	160234	1.06%	0.239%
32	14.300	1949	1951	1957	rVB2	40568	51500	0.34%	0.077%
33	14.406	1962	1969	1971	rBV	243886	371243	2.46%	0.554%
34	14.436	1971	1974	1984	rVB	322873	503974	3.34%	0.752%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG122415.M
Title : SVOA CALIBRATION

35	14.718	2011	2022	2027	rBV3	389595	845080	5.60%	1.261%
36	14.794	2027	2035	2040	rVV	3147228	5635439	37.34%	8.412%
37	14.853	2040	2045	2051	rVV	711942	1147711	7.61%	1.713%
38	14.917	2051	2056	2064	rVV5	30200	67482	0.45%	0.101%
39	15.023	2069	2074	2078	rVV	65378	113159	0.75%	0.169%
40	15.123	2083	2091	2098	rVV2	1940922	3484738	23.09%	5.202%
41	15.317	2115	2124	2130	rBV4	30124	56642	0.38%	0.085%
42	15.705	2185	2190	2194	rVV	339324	532136	3.53%	0.794%
43	15.769	2194	2201	2207	rVV	2065660	3323037	22.02%	4.960%
44	15.828	2207	2211	2217	rVV3	100592	231673	1.54%	0.346%
45	15.881	2217	2220	2223	rVV3	110812	180984	1.20%	0.270%
46	15.922	2223	2227	2232	rVV2	153839	271269	1.80%	0.405%
47	15.969	2232	2235	2238	rVV2	54495	89178	0.59%	0.133%
48	16.010	2238	2242	2245	rVV	77048	124496	0.82%	0.186%
49	16.051	2245	2249	2258	rVV	136978	218732	1.45%	0.326%
50	16.192	2258	2273	2283	rVV4	188839	458881	3.04%	0.685%
51	16.286	2283	2289	2293	rVV2	24758	49993	0.33%	0.075%
52	16.433	2302	2314	2321	rVB4	53622	98964	0.66%	0.148%
53	16.551	2326	2334	2339	rBV	125338	194907	1.29%	0.291%
54	16.609	2339	2344	2347	rBV	41189	60880	0.40%	0.091%
55	16.721	2357	2363	2365	rBV4	53503	100842	0.67%	0.151%
56	16.756	2366	2369	2374	rVV	80207	131140	0.87%	0.196%
57	16.809	2374	2378	2388	rVB2	31574	61620	0.41%	0.092%
58	16.909	2388	2395	2399	rBV	36172	53309	0.35%	0.080%
59	17.115	2420	2430	2436	rVB	89120	161800	1.07%	0.242%
60	17.279	2453	2458	2465	rVB	271968	417359	2.77%	0.623%
61	17.461	2482	2489	2492	rBV	494308	850610	5.64%	1.270%
62	17.514	2492	2498	2503	rVB	2790216	4535958	30.06%	6.771%
63	17.561	2503	2506	2510	rBV2	519173	723962	4.80%	1.081%
64	17.649	2516	2521	2531	rVB5	48417	112408	0.74%	0.168%
65	17.879	2546	2560	2565	rVV	1702629	3031861	20.09%	4.526%
66	17.973	2565	2576	2580	rVV3	93361	269508	1.79%	0.402%
67	18.020	2580	2584	2590	rVV	94280	168489	1.12%	0.251%
68	18.114	2590	2600	2604	rVV3	137740	280639	1.86%	0.419%
69	18.155	2604	2607	2612	rVV2	42911	71146	0.47%	0.106%
70	18.296	2626	2631	2634	rBV	63668	95163	0.63%	0.142%
71	18.331	2634	2637	2640	rVV	78738	99184	0.66%	0.148%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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-BG122415.M
Title : SVOA CALIBRATION

72	18.378	2640	2645	2651	rVV	412446	613026	4.06%	0.915%
73	18.454	2651	2658	2664	rVB3	73092	143011	0.95%	0.213%
74	18.531	2664	2671	2680	rBV2	261911	486027	3.22%	0.725%
75	18.631	2680	2688	2692	rBV2	139439	303406	2.01%	0.453%
76	18.678	2692	2696	2699	rVV	150627	222172	1.47%	0.332%
77	18.707	2699	2701	2706	rVV2	39305	48280	0.32%	0.072%
78	18.766	2706	2711	2716	rVV2	166419	237669	1.57%	0.355%
79	18.825	2716	2721	2725	rVB2	93239	133521	0.88%	0.199%
80	18.872	2725	2729	2733	rBV	134399	185037	1.23%	0.276%
81	18.907	2733	2735	2746	rVB5	34652	65161	0.43%	0.097%
82	19.130	2770	2773	2780	rVB4	31961	61192	0.41%	0.091%
83	19.342	2806	2809	2813	rVV5	31727	52386	0.35%	0.078%
84	19.506	2830	2837	2843	rVB	677250	940972	6.24%	1.405%
85	19.600	2849	2853	2858	rVB	54707	74518	0.49%	0.111%
86	19.706	2865	2871	2877	rBV5	39470	107519	0.71%	0.160%
87	19.841	2887	2894	2896	rBV	538722	812953	5.39%	1.213%
88	19.870	2896	2899	2906	rVB	418788	604411	4.01%	0.902%
89	20.058	2924	2931	2935	rBV2	36720	62634	0.42%	0.093%
90	20.240	2957	2962	2969	rBV	184852	262151	1.74%	0.391%
91	20.323	2969	2976	2980	rBV	155182	278836	1.85%	0.416%
92	20.452	2993	2998	3002	rVV	43991	70305	0.47%	0.105%
93	20.940	3075	3081	3085	rBV2	47733	80633	0.53%	0.120%
94	20.987	3085	3089	3094	rVB	51788	74695	0.49%	0.111%
95	21.357	3146	3152	3158	rVV	283806	473189	3.14%	0.706%
96	21.733	3207	3216	3222	rBV	716473	1267736	8.40%	1.892%
97	22.150	3280	3287	3291	rVV	35301	75489	0.50%	0.113%
98	22.367	3318	3324	3334	rBV	39392	80416	0.53%	0.120%
99	24.765	3722	3732	3745	rBV	251227	688936	4.57%	1.028%
100	25.000	3760	3772	3786	rVB2	367939	1067546	7.07%	1.593%

Sum of corrected areas: 66994835

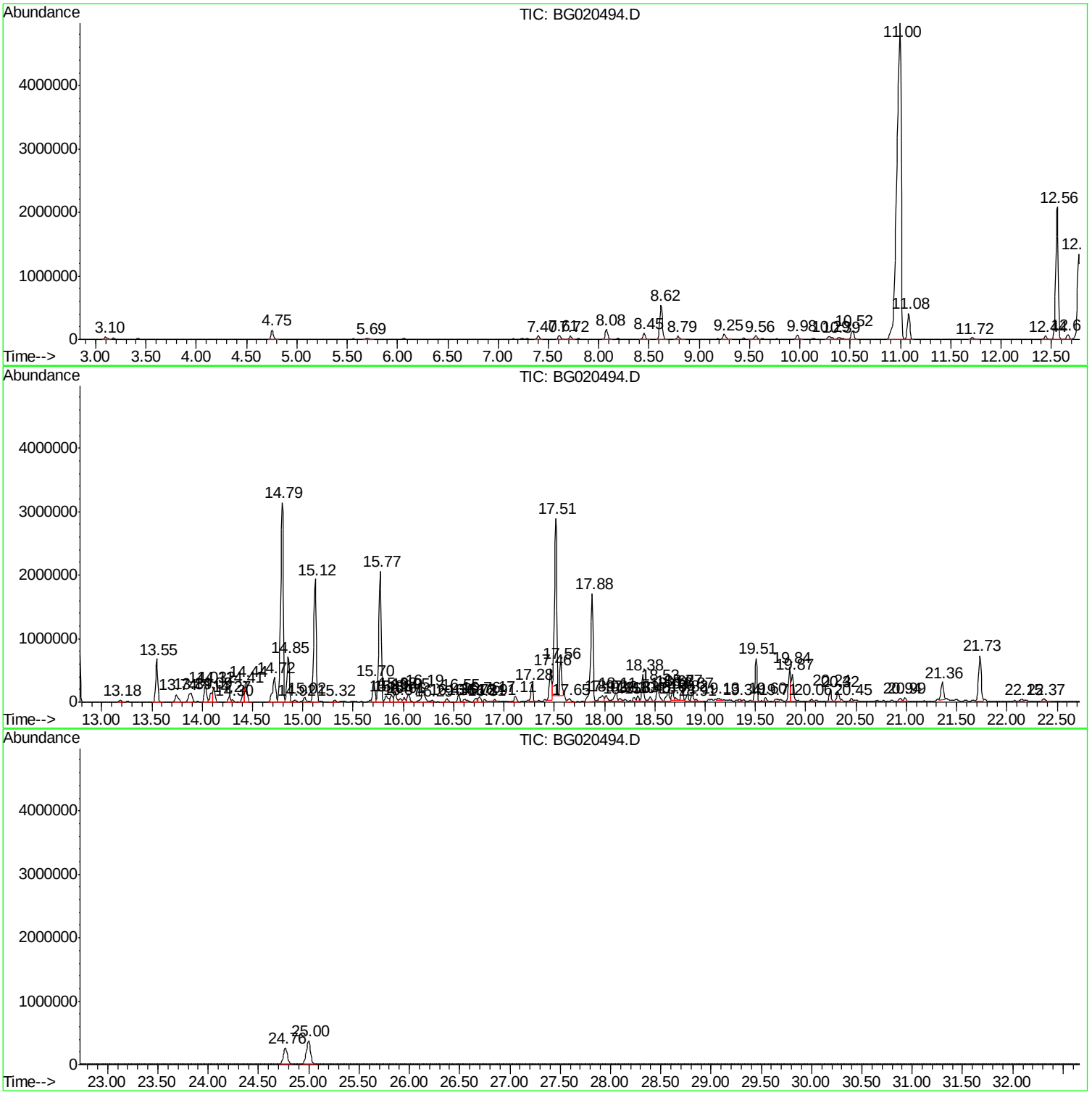
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

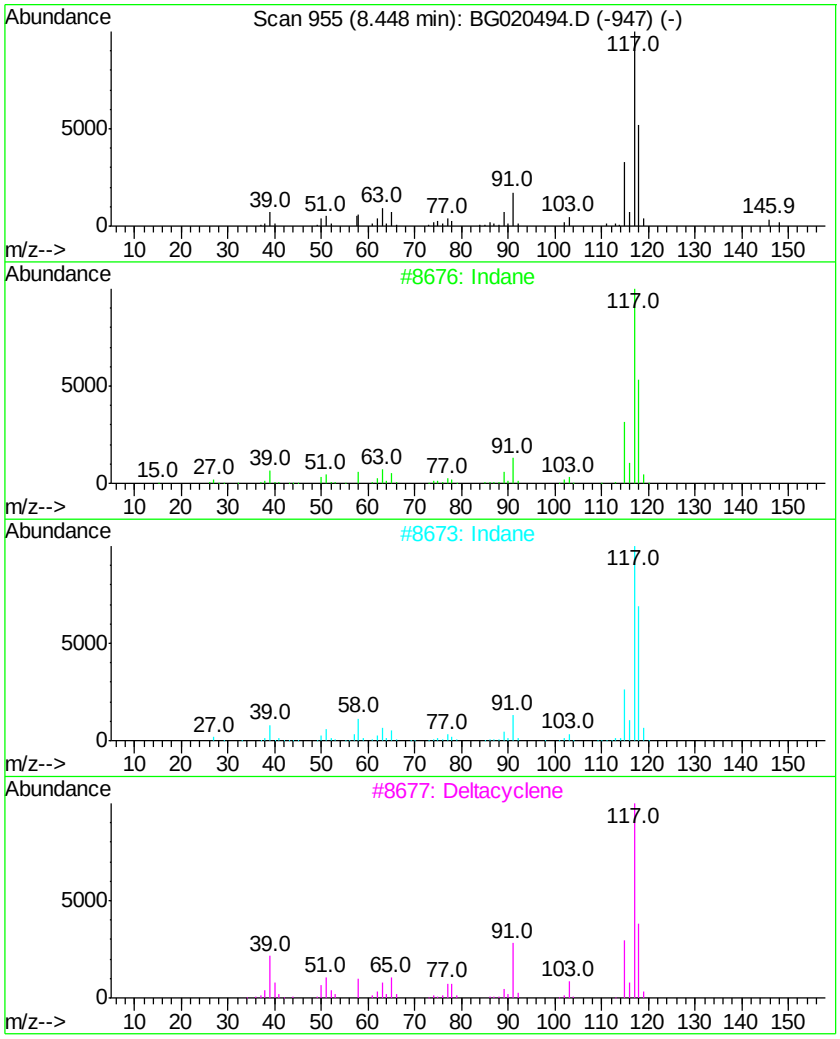
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

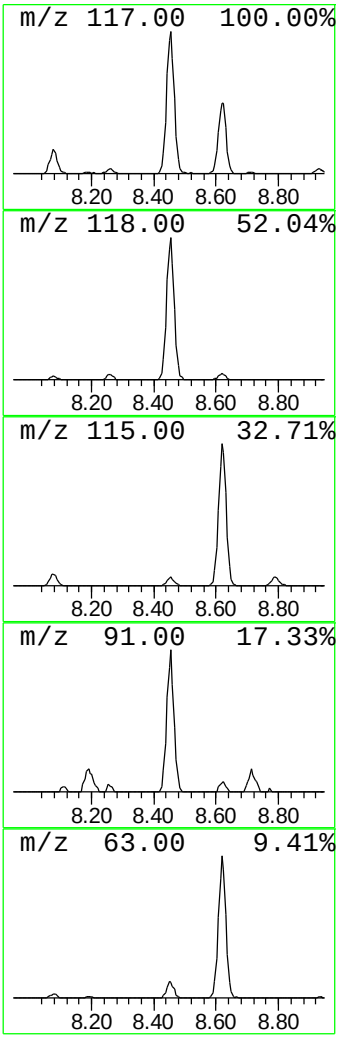
****

Peak Number 5 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	12.56 ng/ul	171890	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	87
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

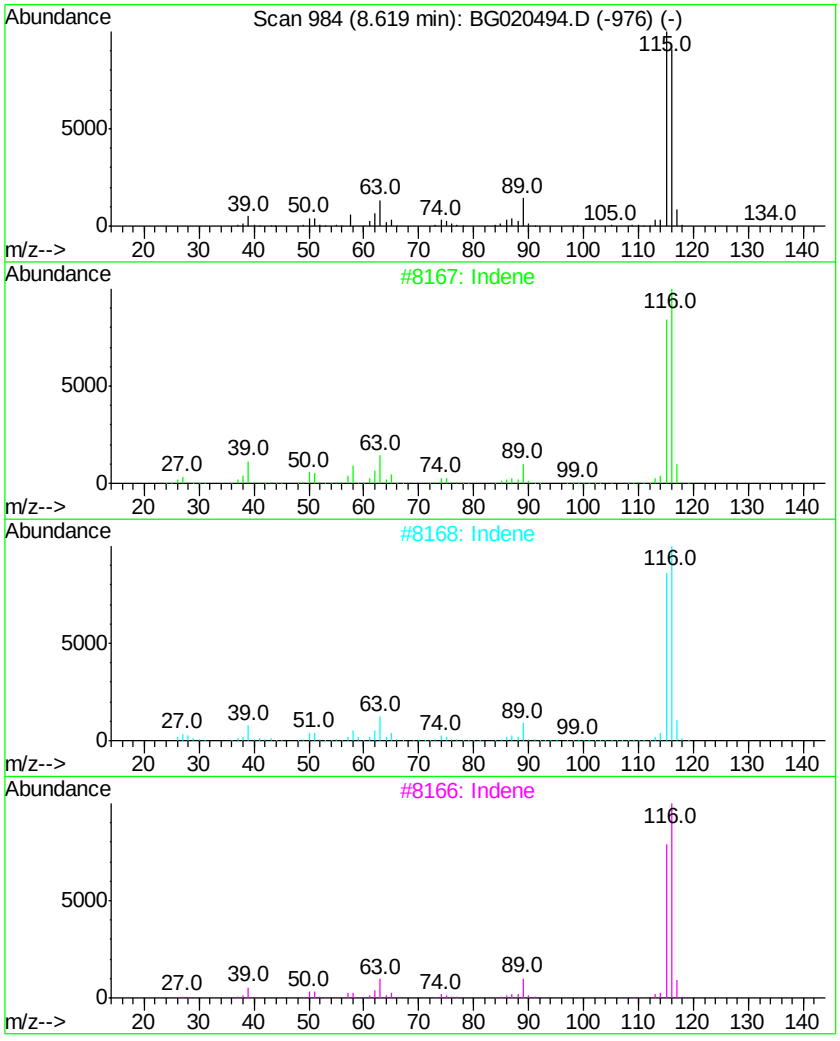
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

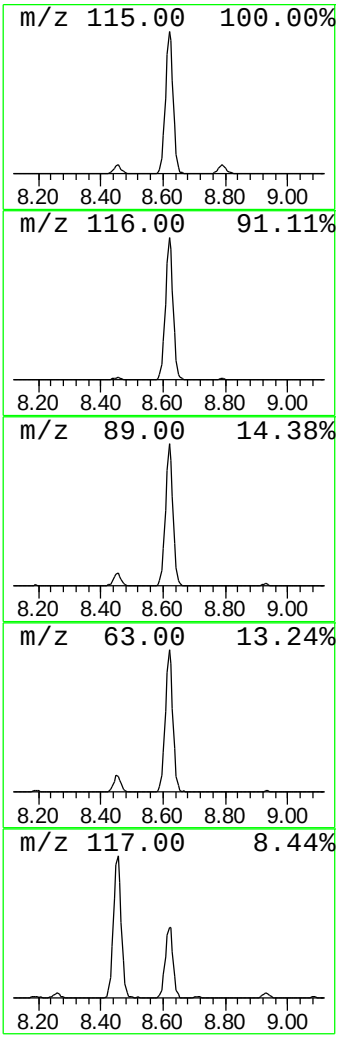
****

Peak Number 6 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	68.63 ng/ul	939466	1,4-Dichlorobenzene-d4	8.08

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	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

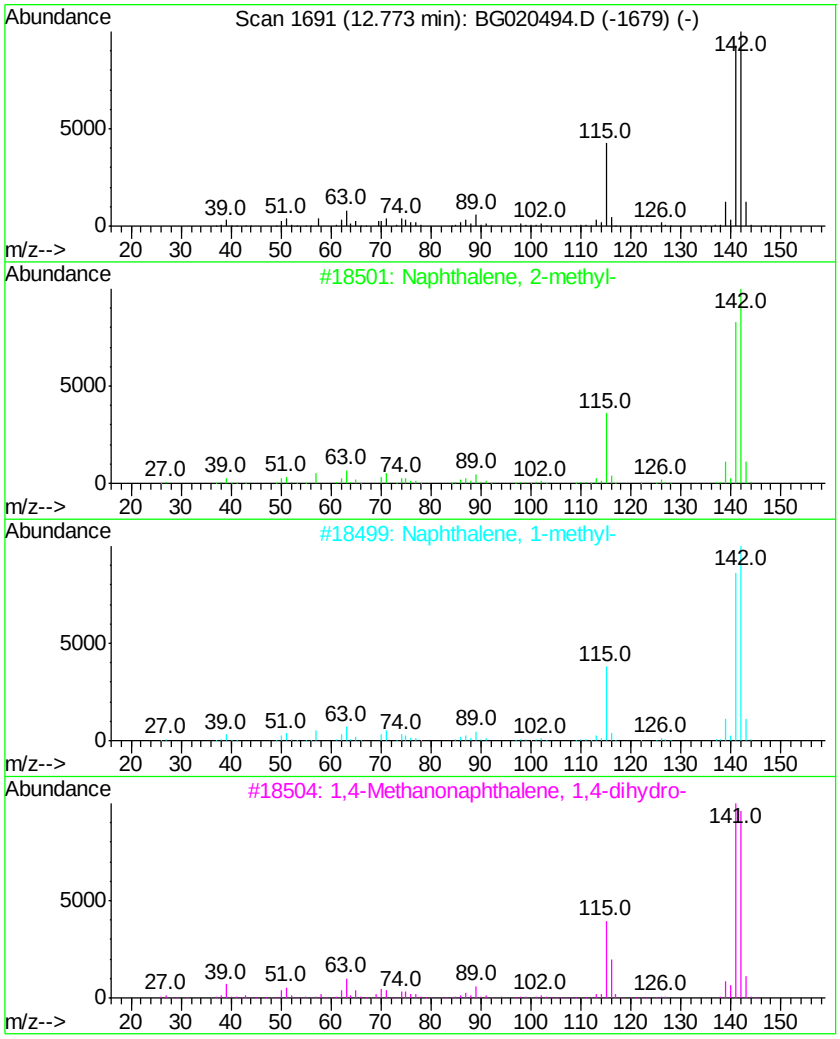
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

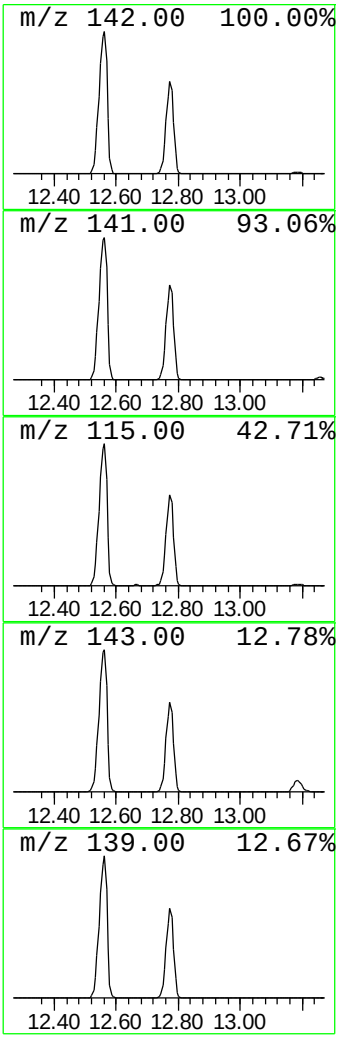
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	3.07 ng/ul	2313060	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

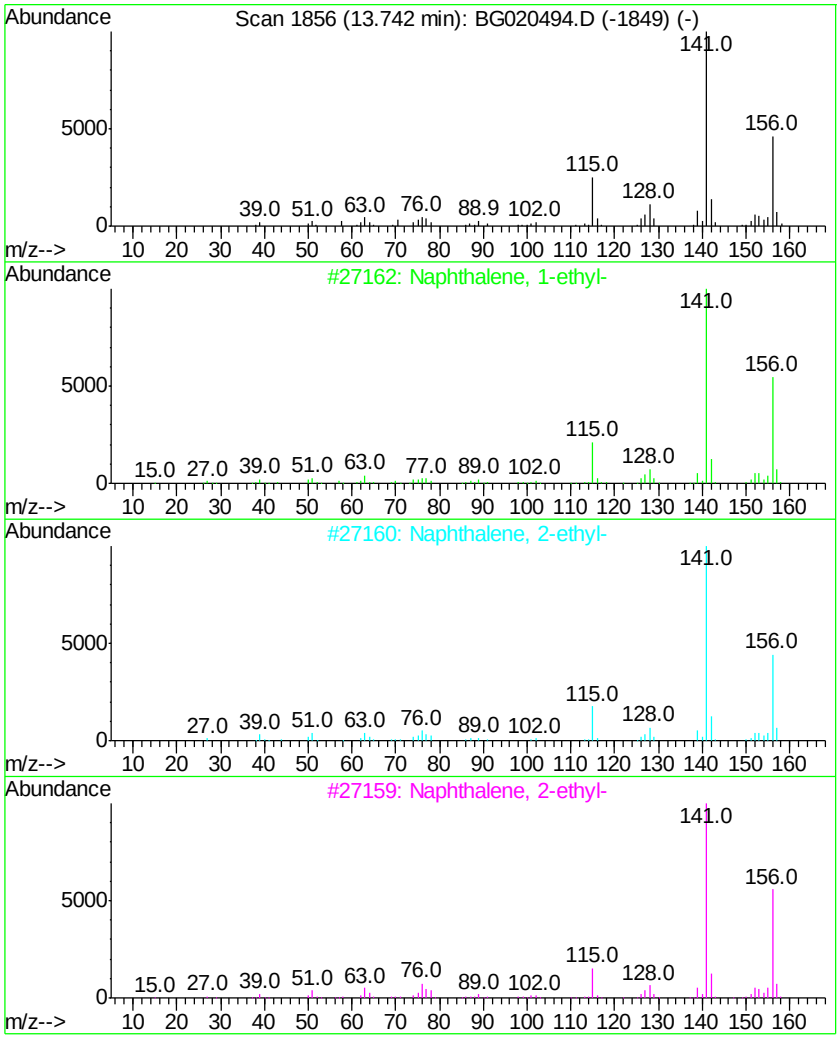
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

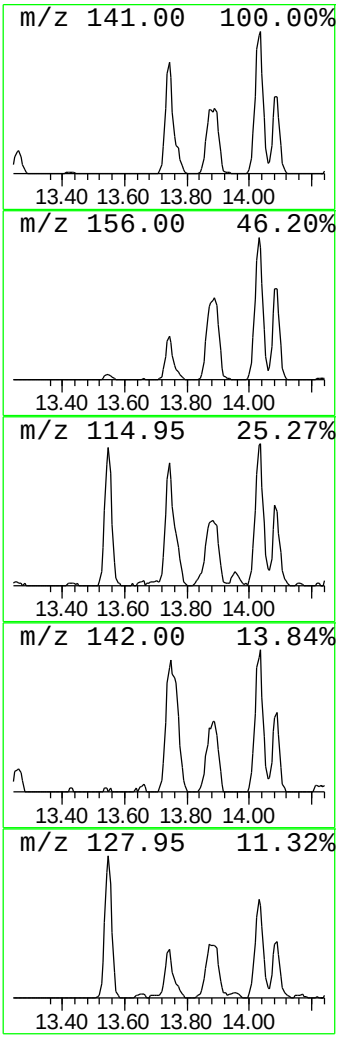
****

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	6.39 ng/ul	270176	Acenaphthene-d10	14.72

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

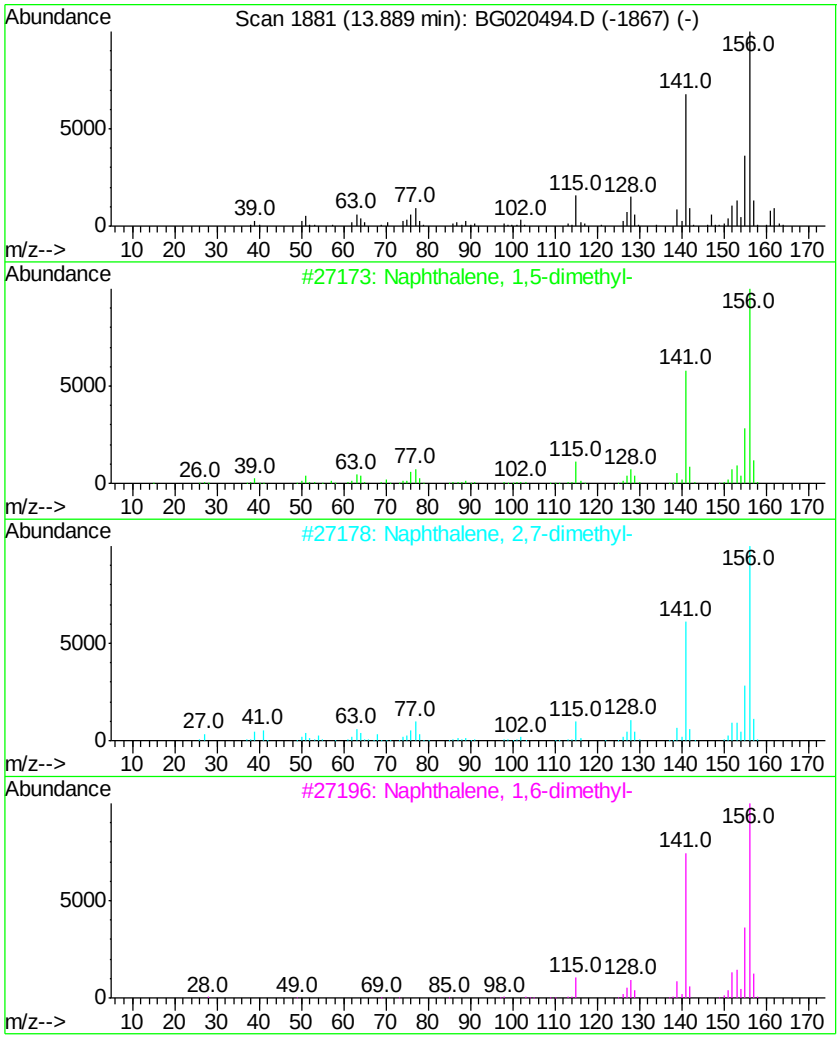
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

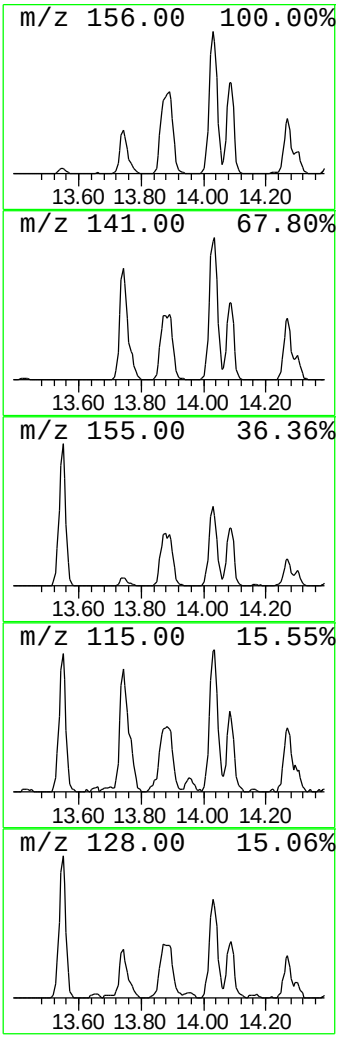
****

Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	9.23 ng/ul	390044	Acenaphthene-d10	14.72

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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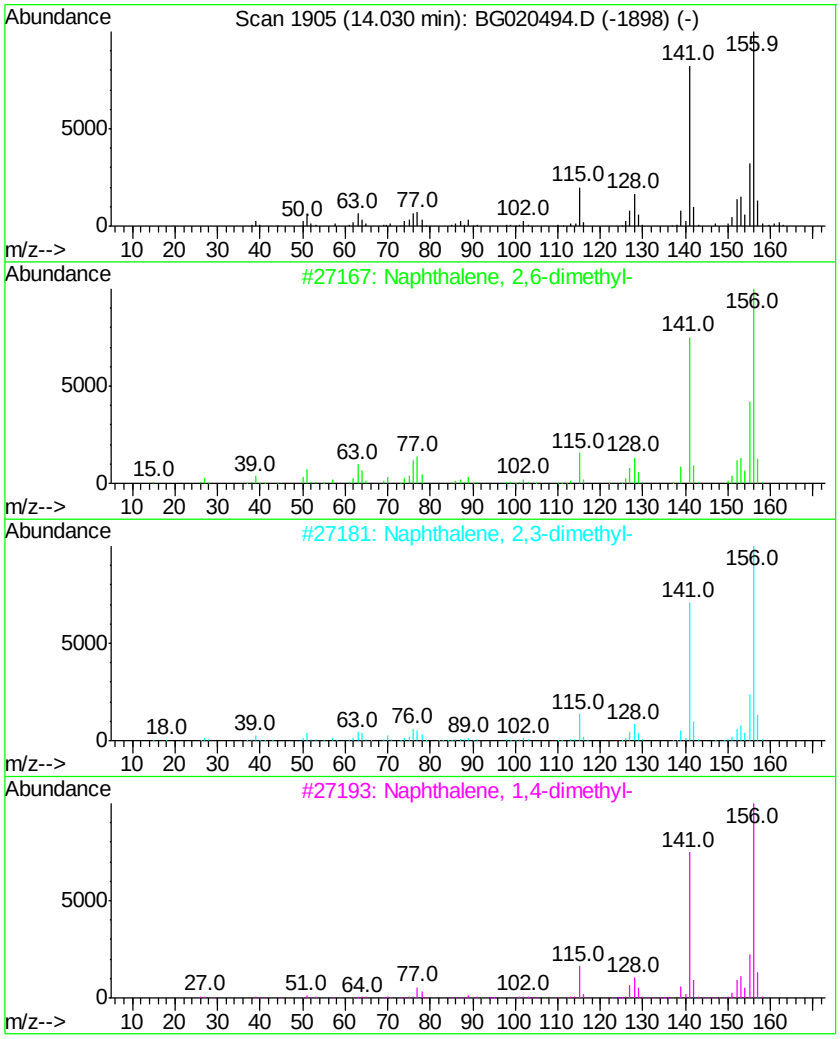
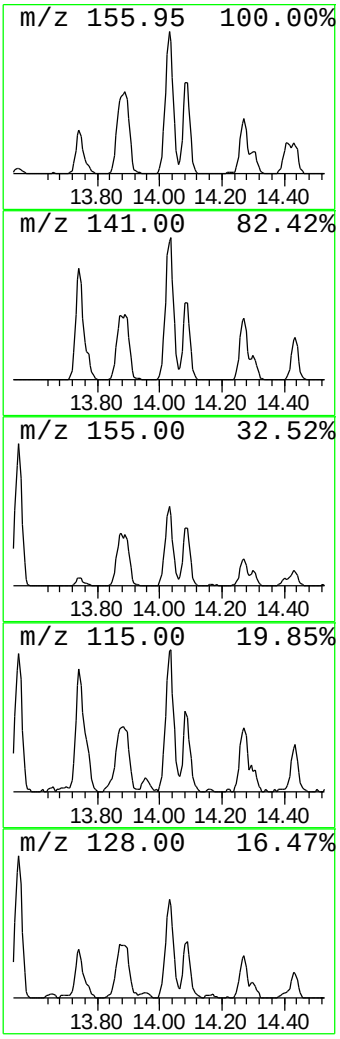
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	10.72 ng/ul	453015	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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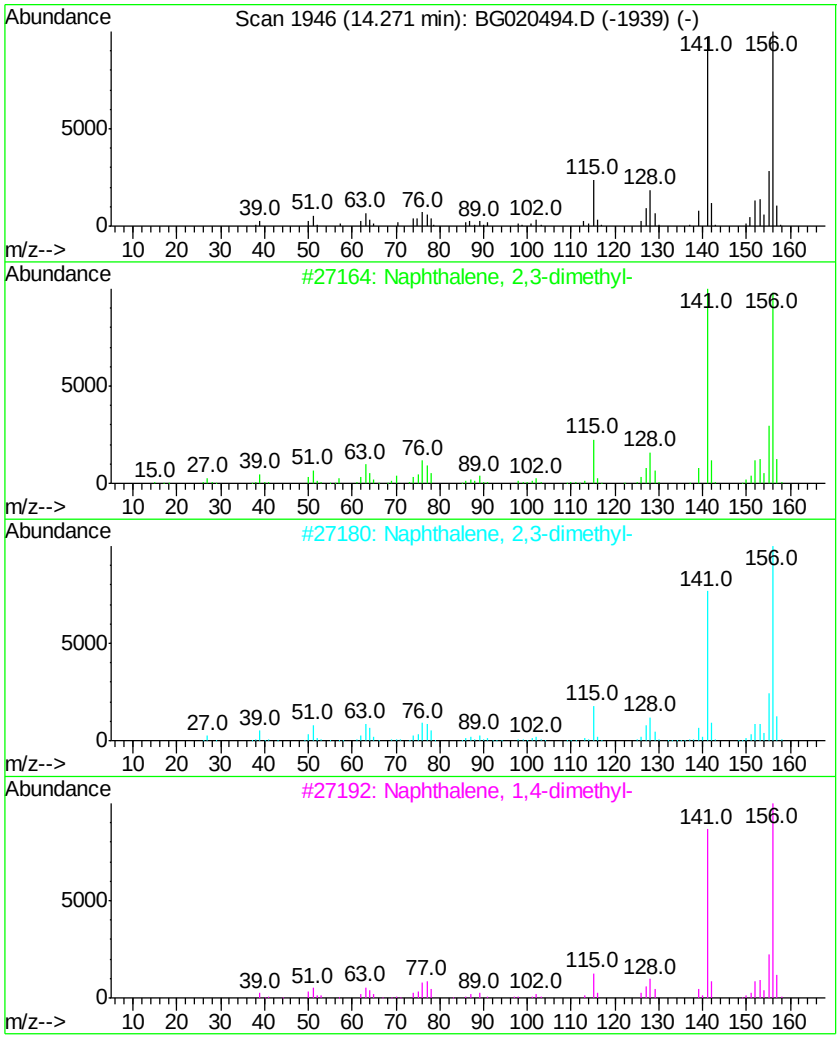
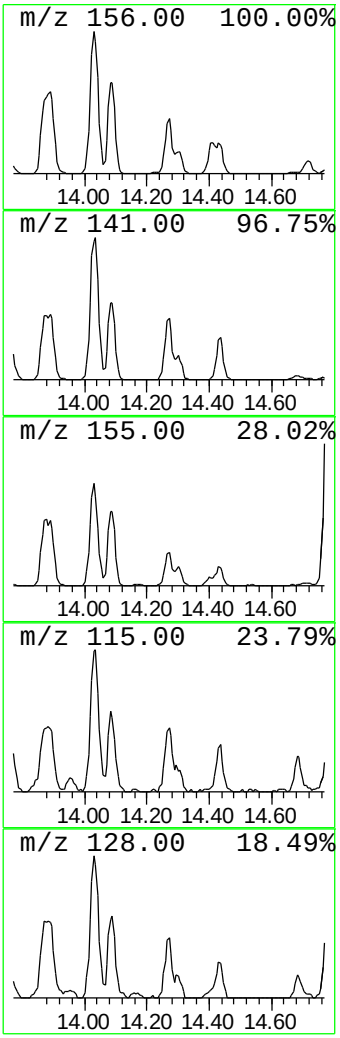
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.79 ng/ul	160234	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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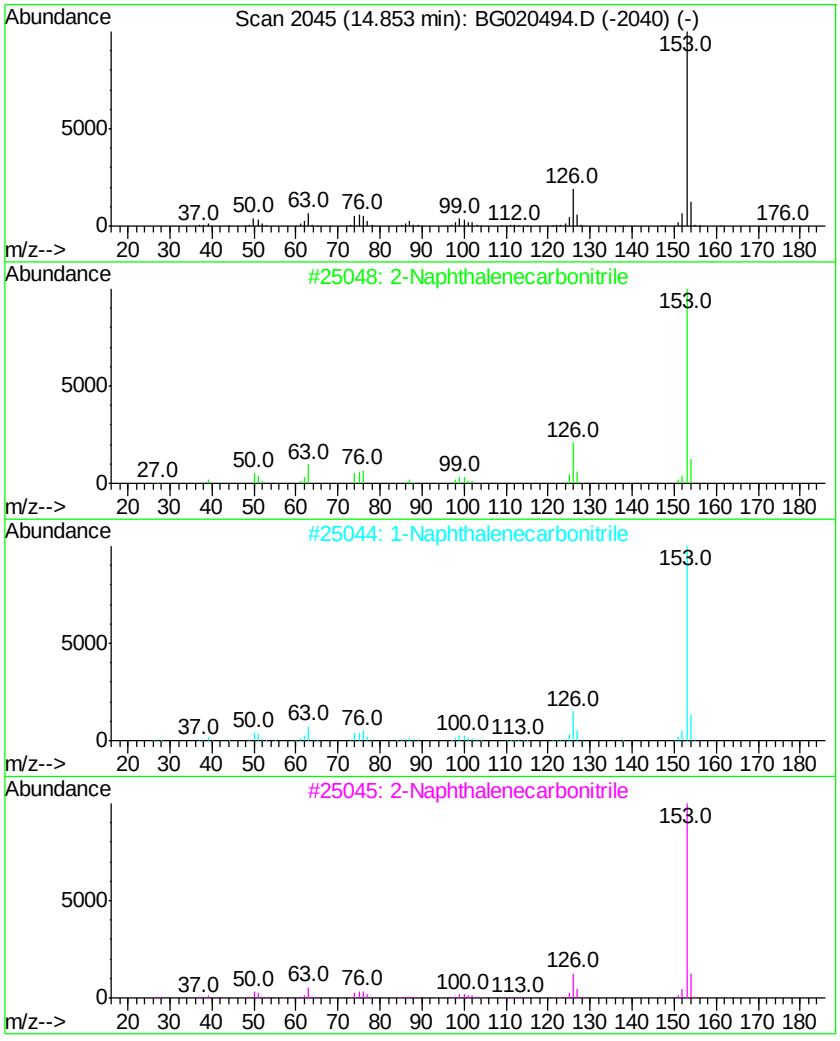
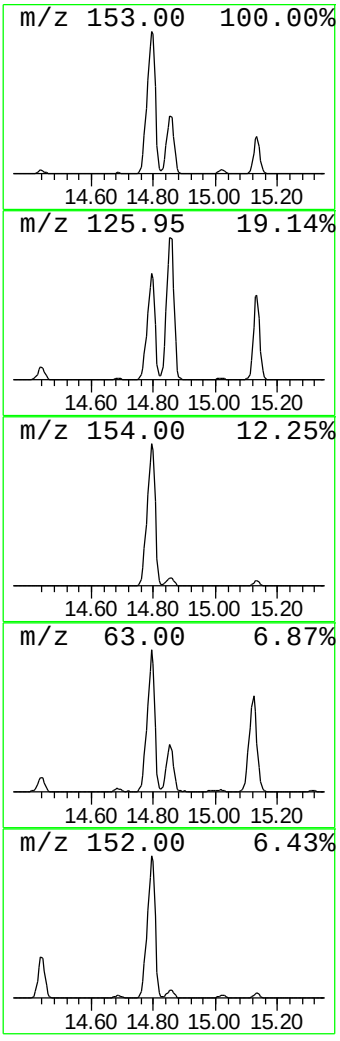
Peak Number 12 2-Naphthalenecarbonitrile Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	27.16 ng/ul	1147710	Acenaphthene-d10	14.72

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	97
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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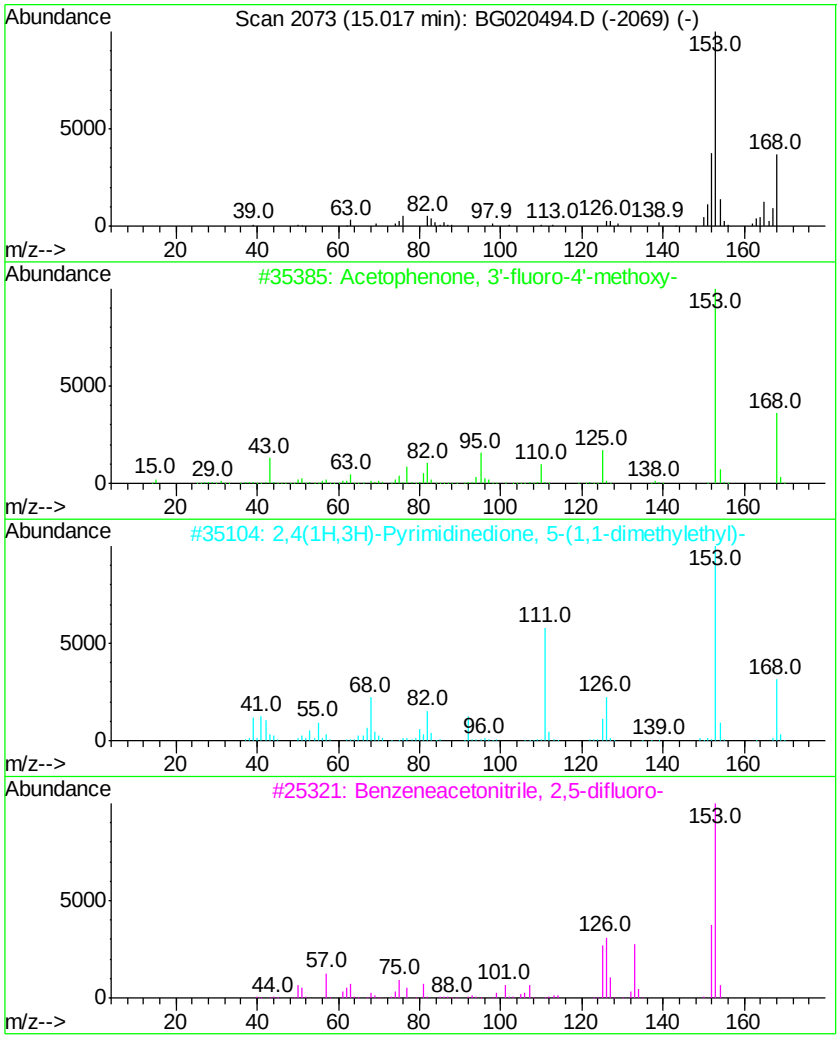
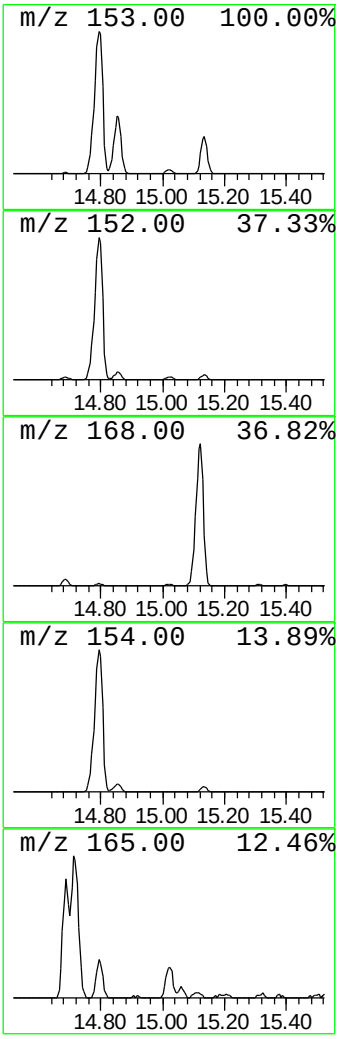
Peak Number 13 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.68 ng/ul	113159	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	25
2	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	9
3	Benzeneacetonitrile, 2,5-difluoro-	153	C8H5F2N	069584-87-8	9
4	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	9
5	Benzeneacetonitrile, 2,4-difluoro-	153	C8H5F2N	000656-35-9	9





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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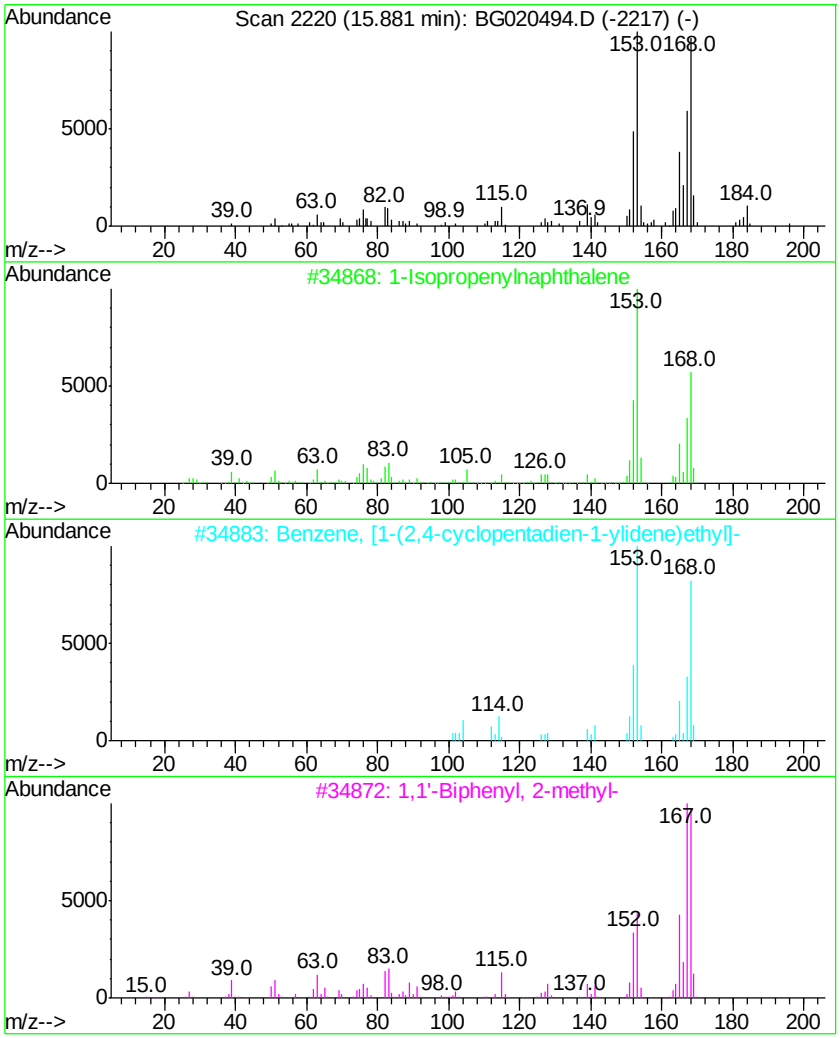
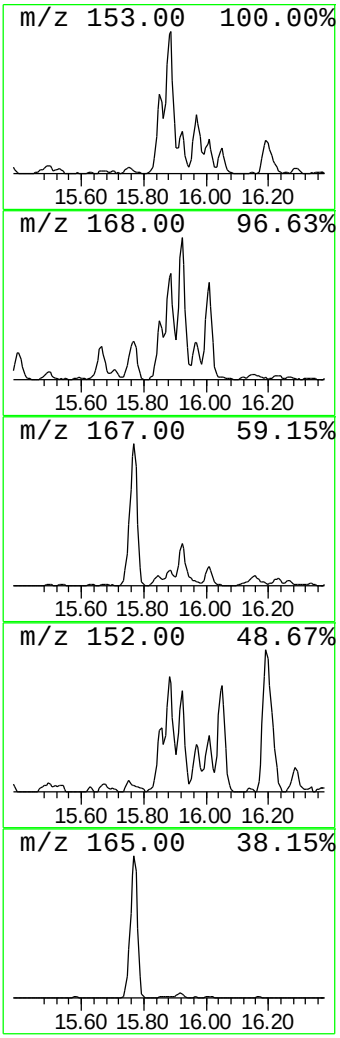
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	4.28 ng/ul	180984	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47





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ALS Vial : 21 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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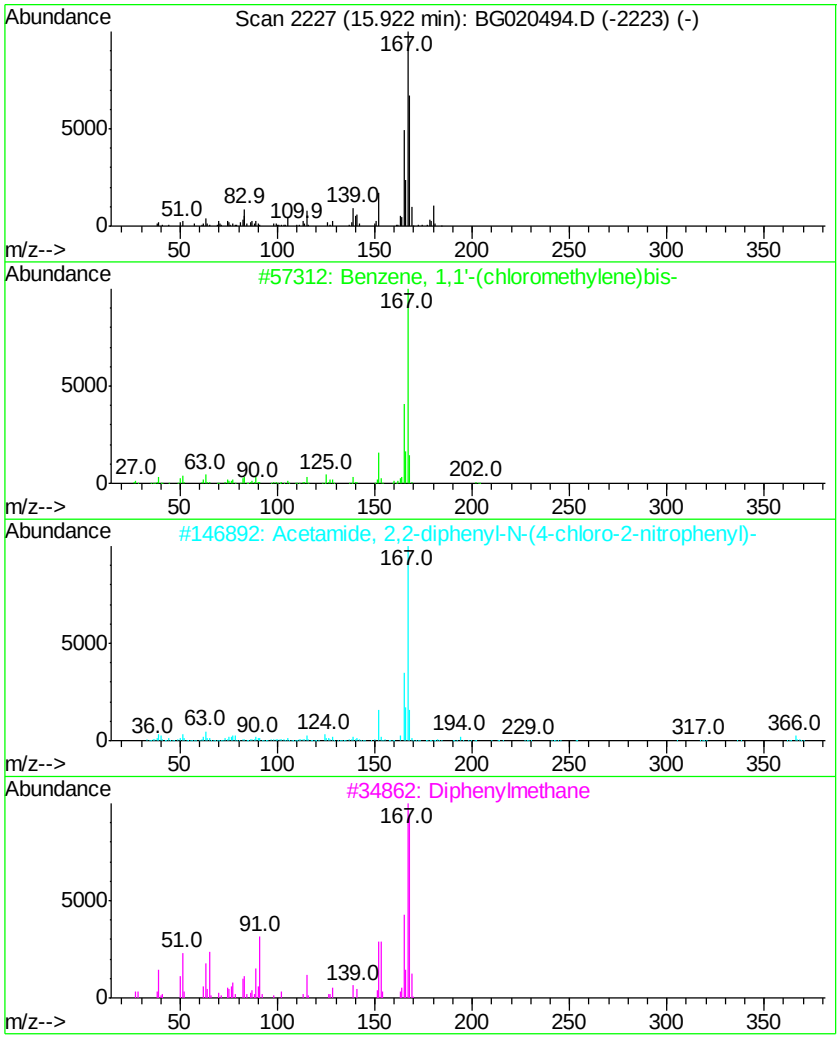
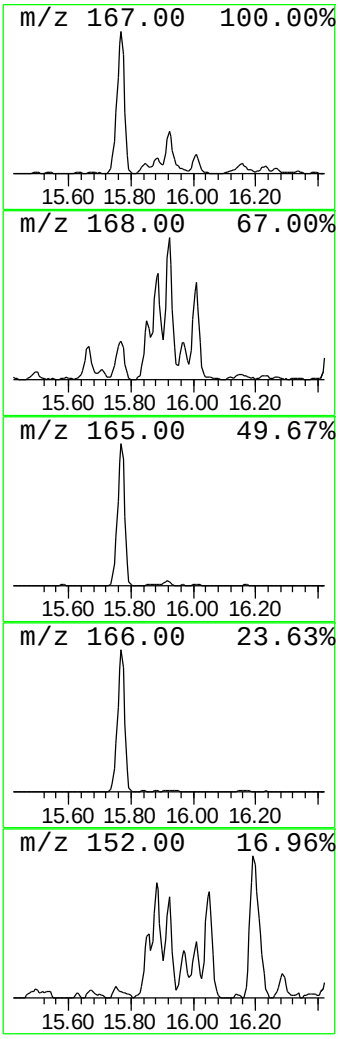
Peak Number 15 Benzene, 1,1'-(chloromethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.42 ng/ul	271269	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
2	Acetamide, 2,2-diphenyl-N-(4-chl...	366	C20H15ClN2O3	1000295-48-3	53
3	Diphenylmethane	168	C13H12	000101-81-5	50
4	Nordiphenamid	225	C15H15NO	000954-21-2	50
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50





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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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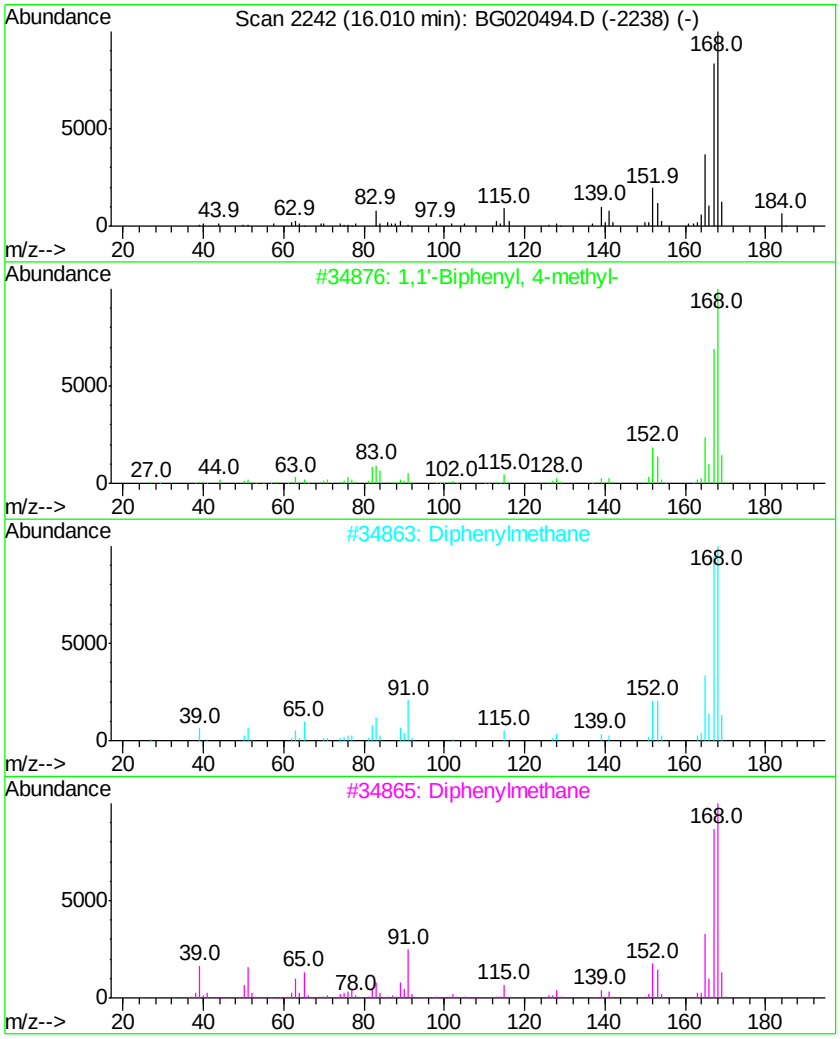
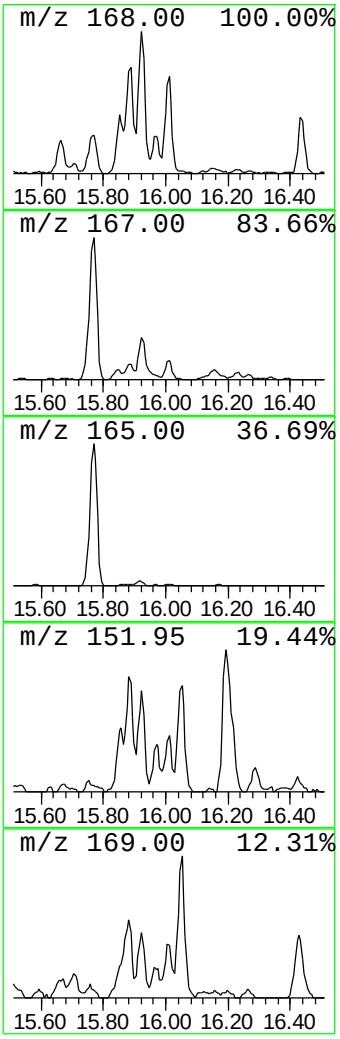
Peak Number 17 1,1'-Biphenyl, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.95 ng/ul	124496	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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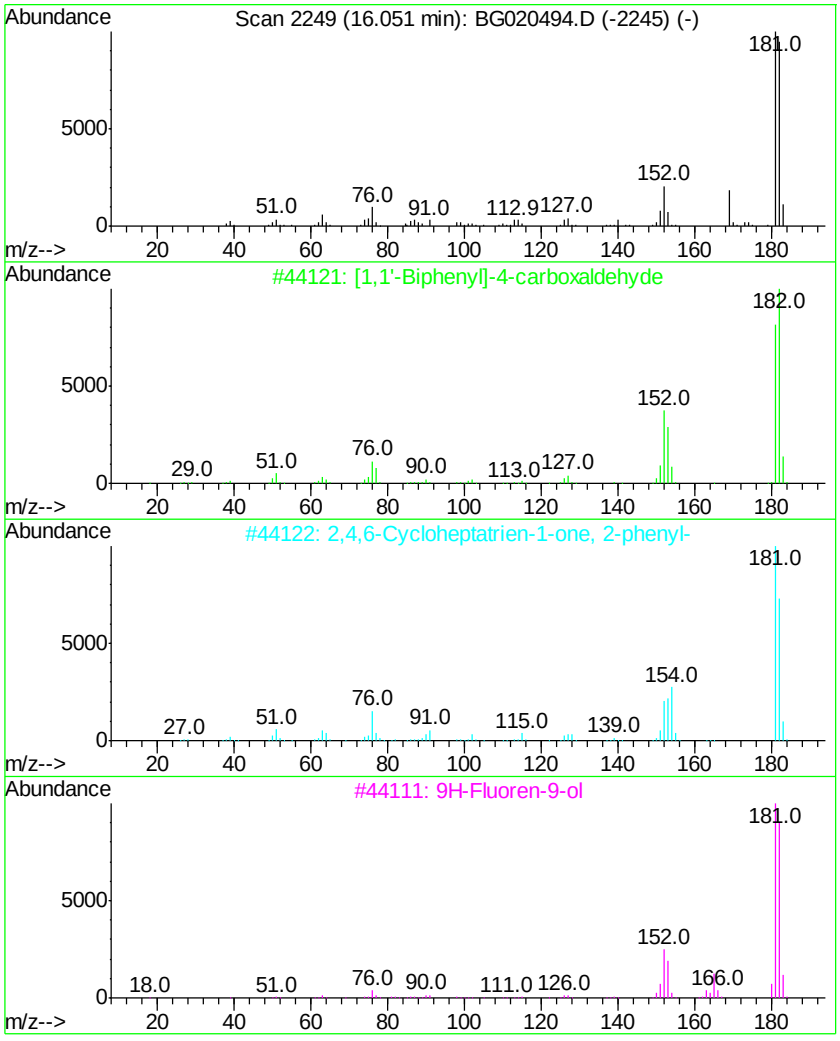
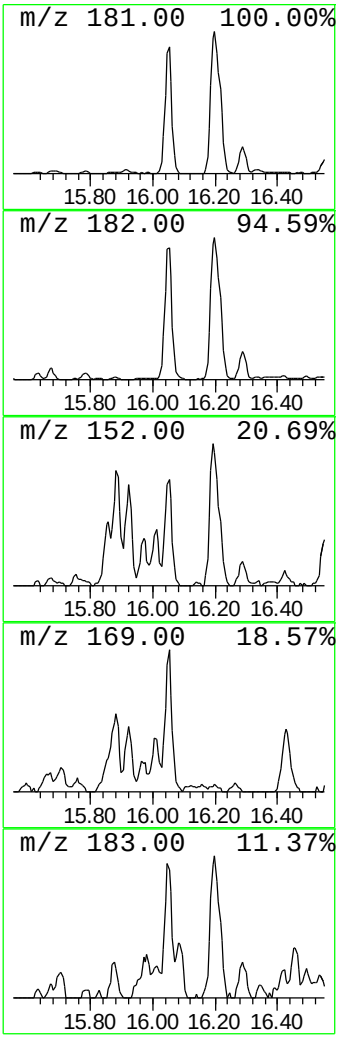
Peak Number 18 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	5.18 ng/ul	218732	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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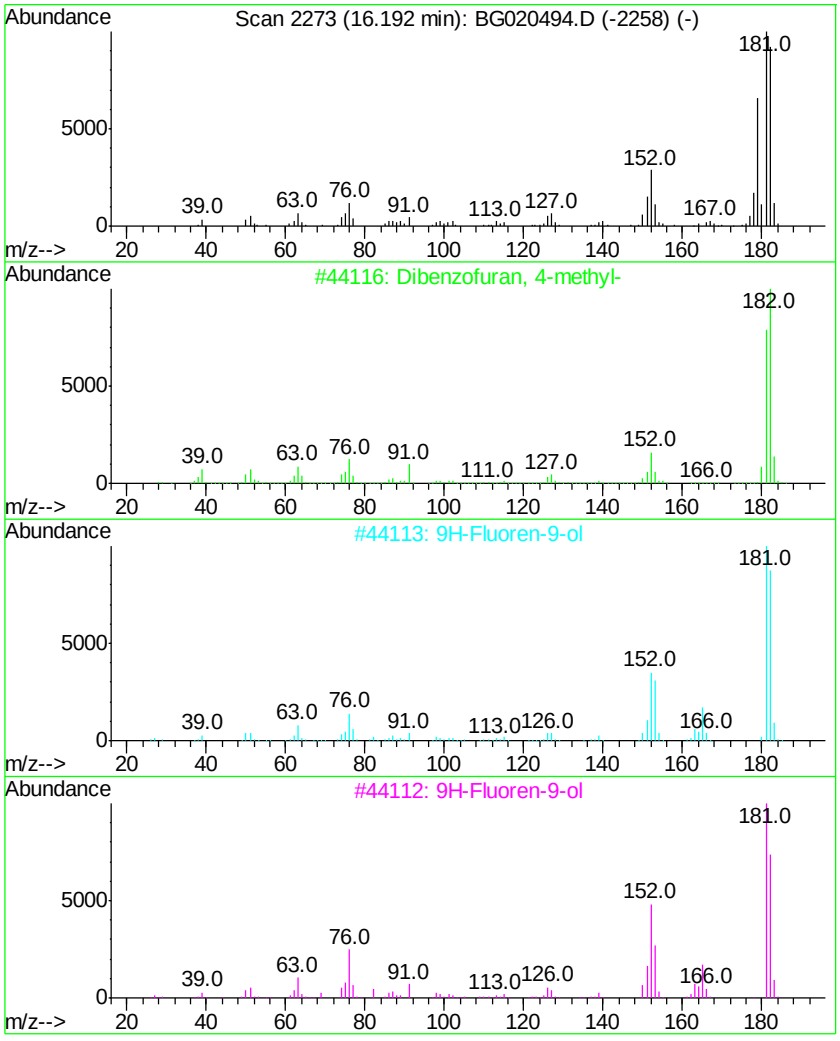
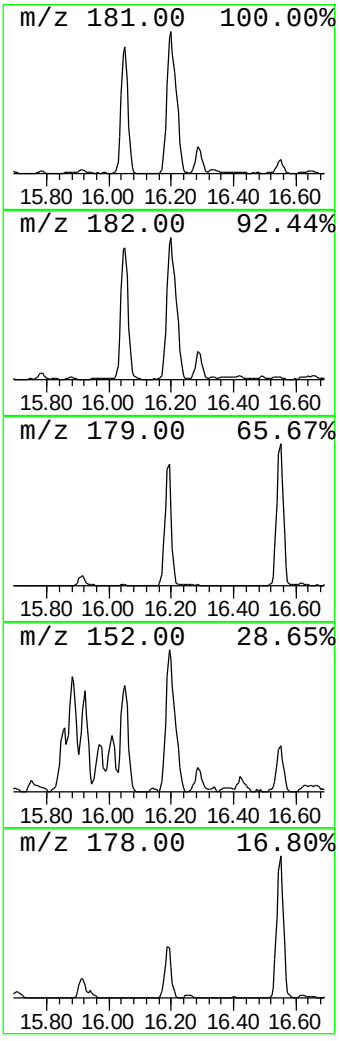
Peak Number 19 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	10.79 ng/ul	458881	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	76
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	52
5	2-Fluorenamine	181	C13H11N	000153-78-6	50





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ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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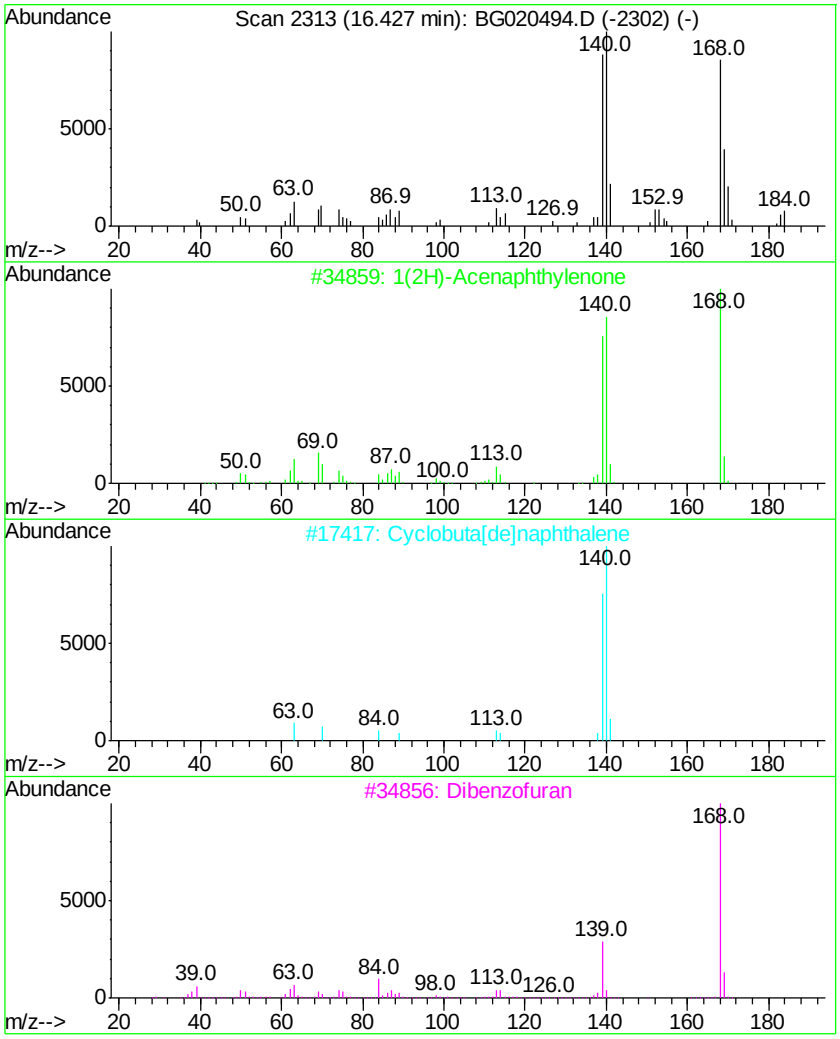
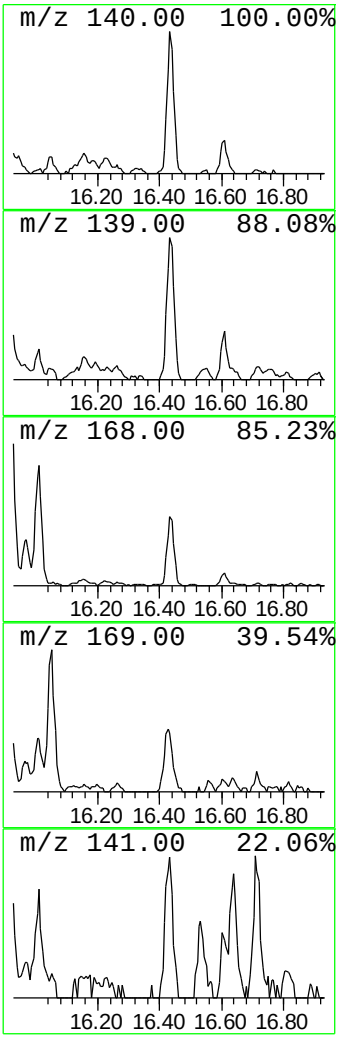
Peak Number 20 1(2H)-Acenaphthylenone Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.33 ng/ul	98964	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
3	Dibenzofuran	168	C12H8O	000132-64-9	47
4	Dibenzofuran	168	C12H8O	000132-64-9	47
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	43





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Quant Title : SVOA CALIBRATION

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

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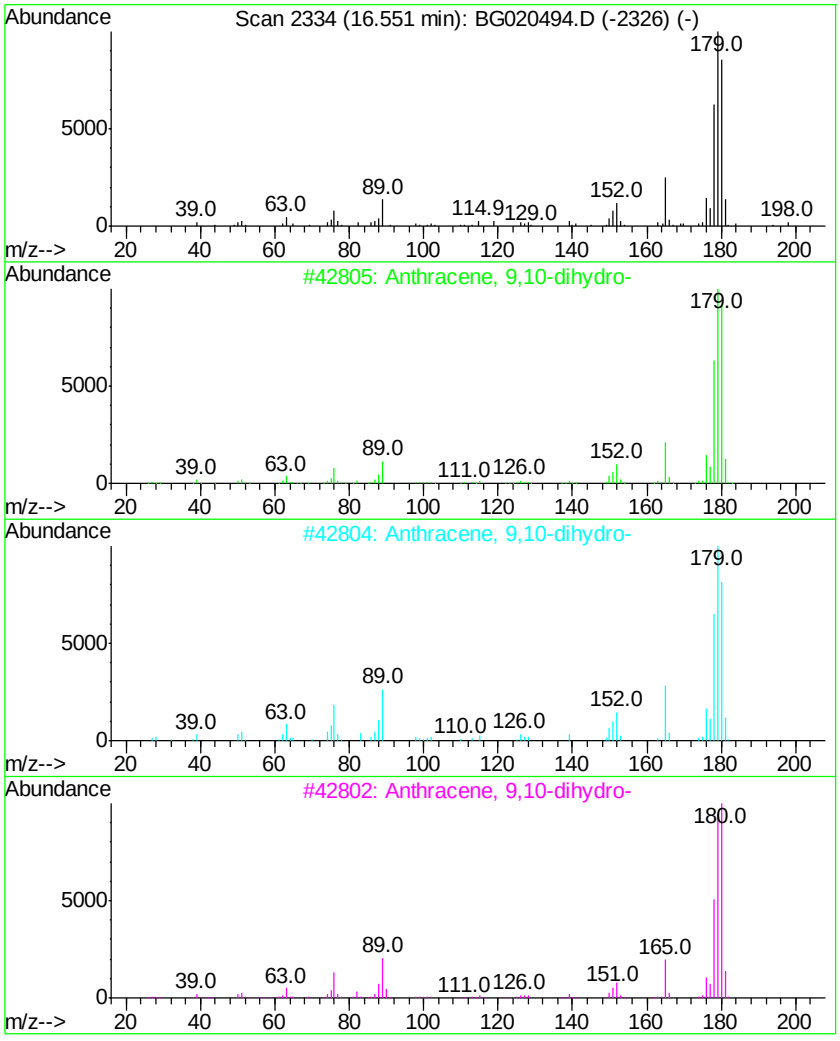
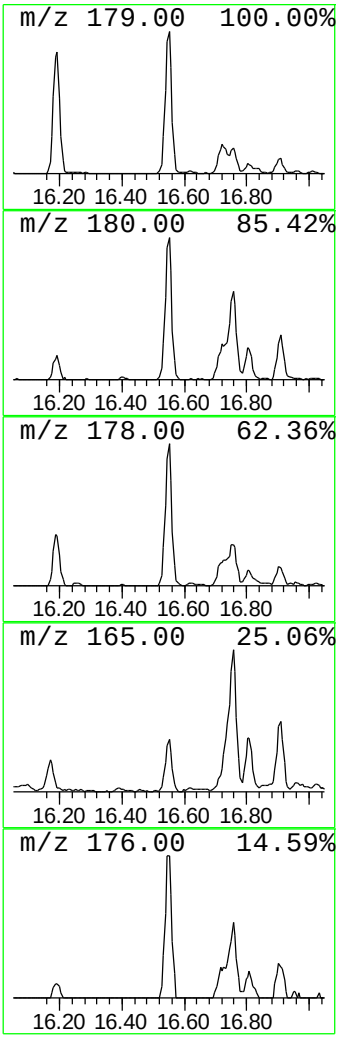
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	4.58 ng/ul	194907	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





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Instrument : BNA_G
ClientSampleId : D9N48

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Quant Title : SVOA CALIBRATION

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

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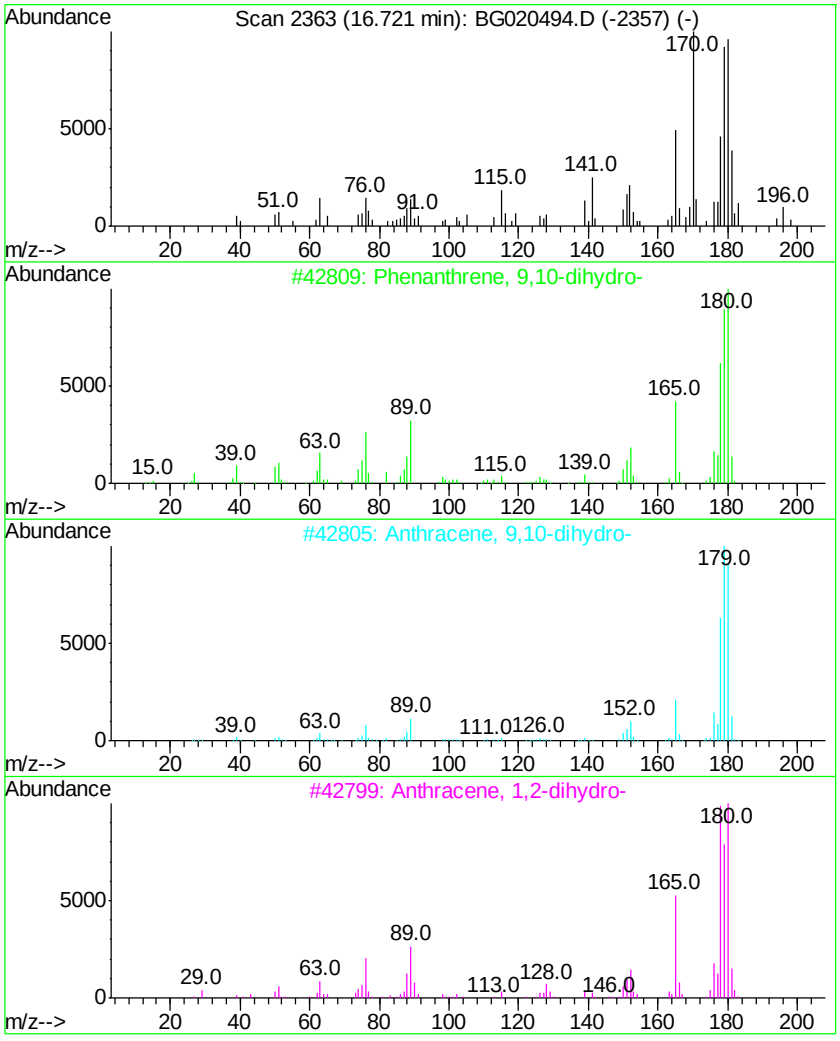
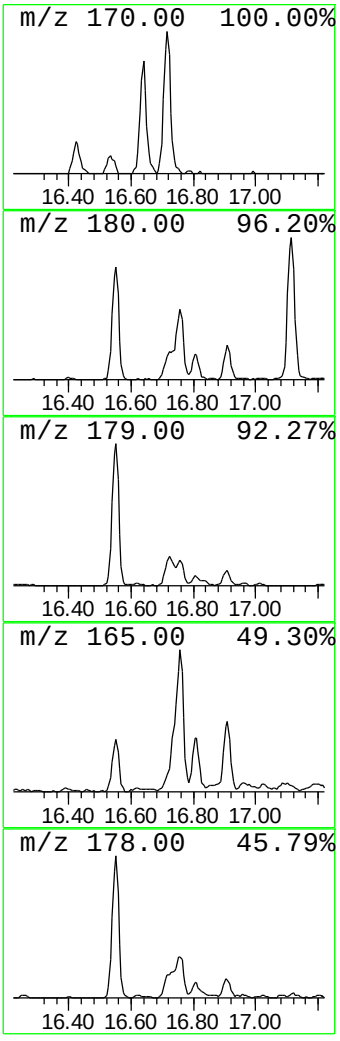
Peak Number 22 Phenanthrene, 9,10-dihydro- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.37 ng/ul	100842	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	90
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	70
3	Anthracene, 1,2-dihydro-	180	C14H12	058746-82-0	64
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	55
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	55





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Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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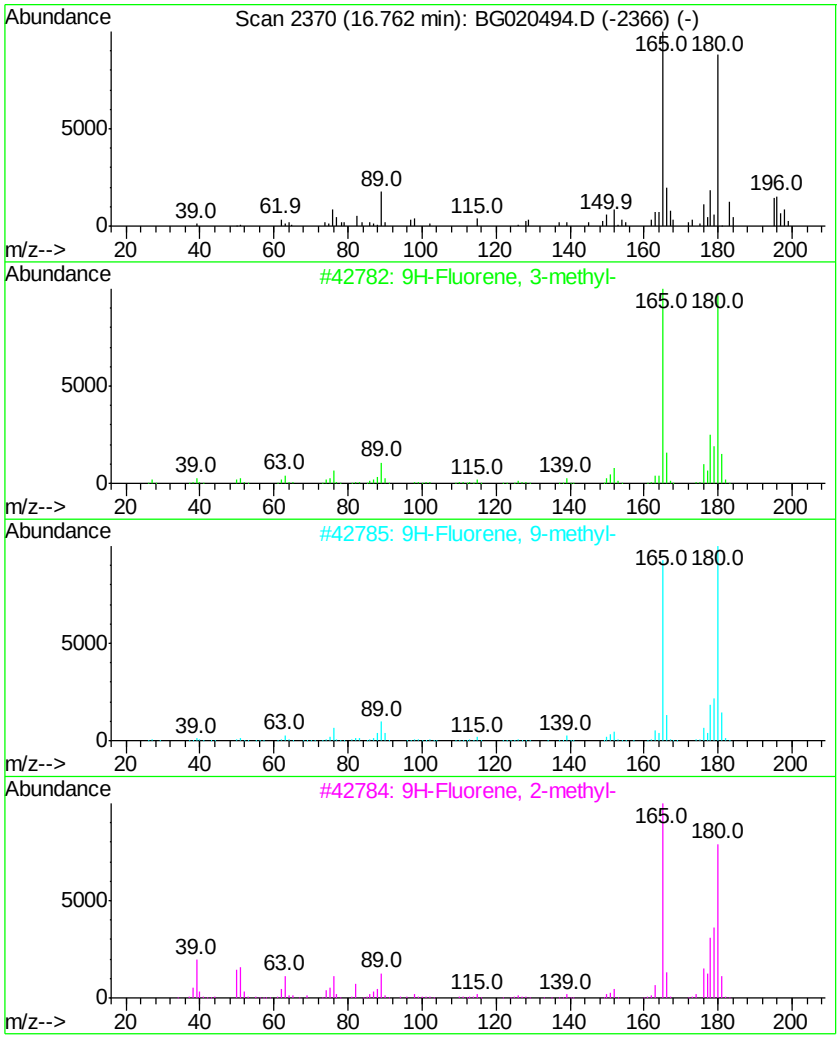
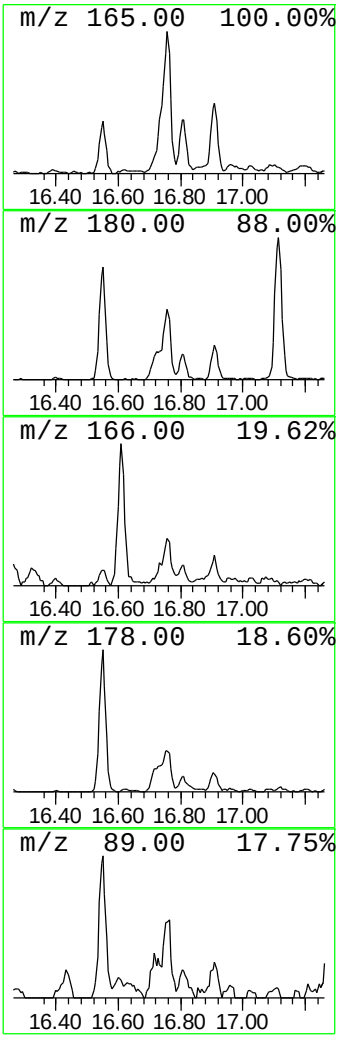
Peak Number 23 9H-Fluorene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.08 ng/ul	131140	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	72
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72





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Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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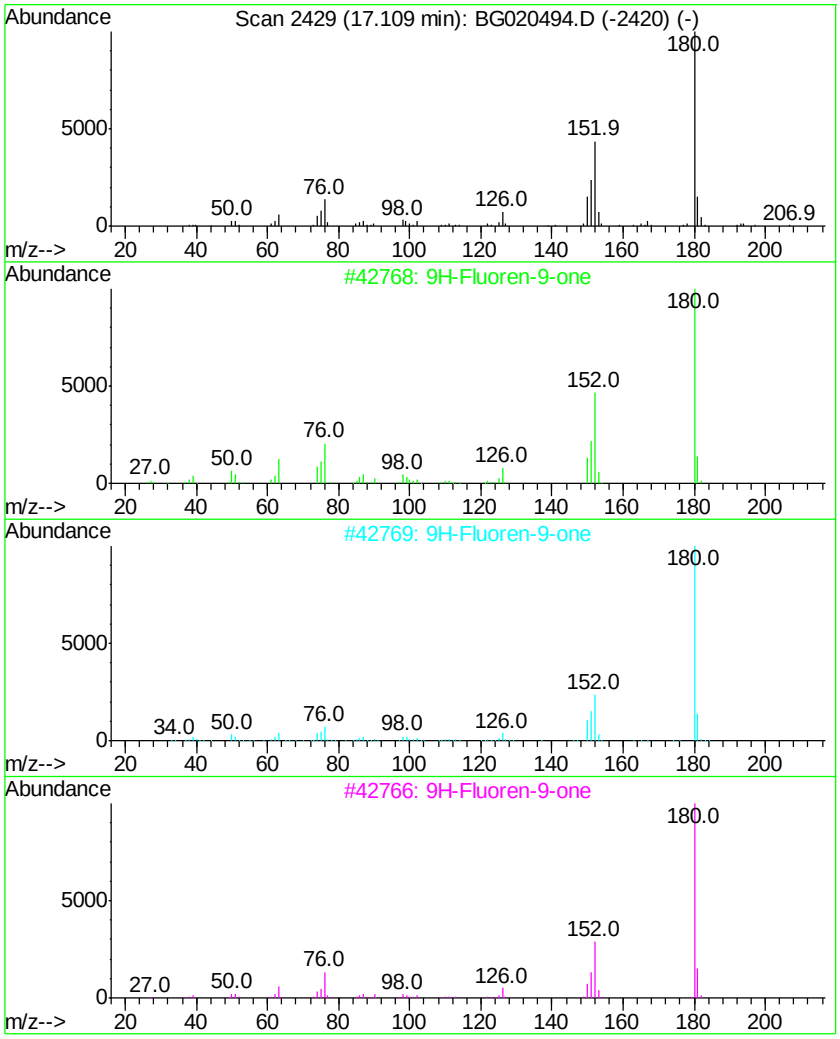
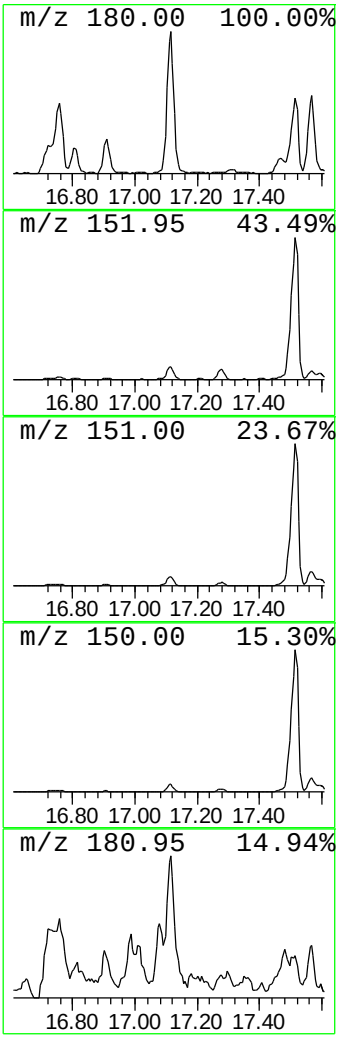
Peak Number 24 9H-Fluoren-9-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	3.80 ng/ul	161800	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





Library Search Compound Report

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Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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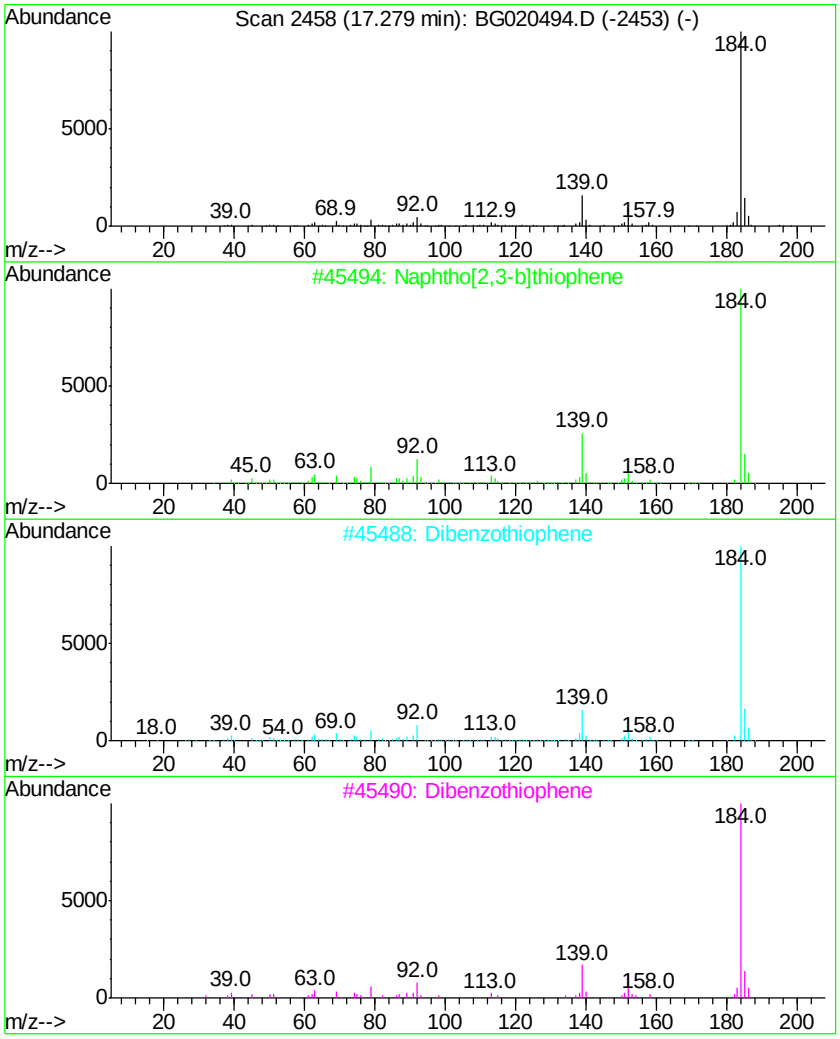
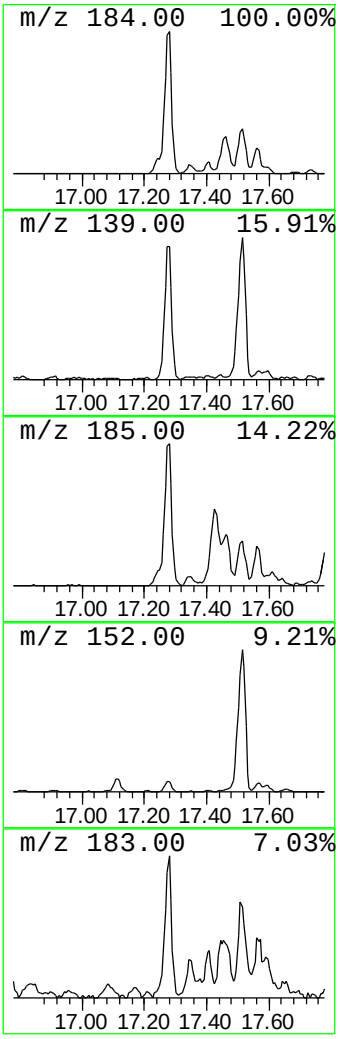
Peak Number 25 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	9.81 ng/ul	417359	Phenanthrene-d10	17.46

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	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

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Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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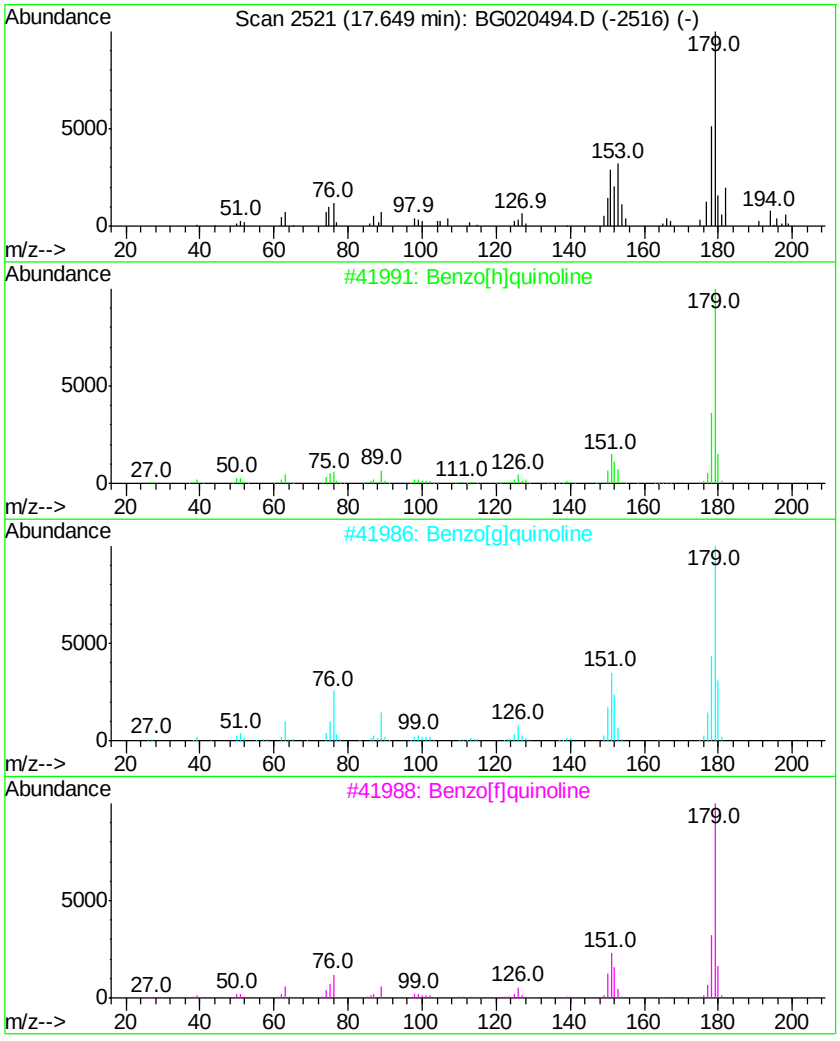
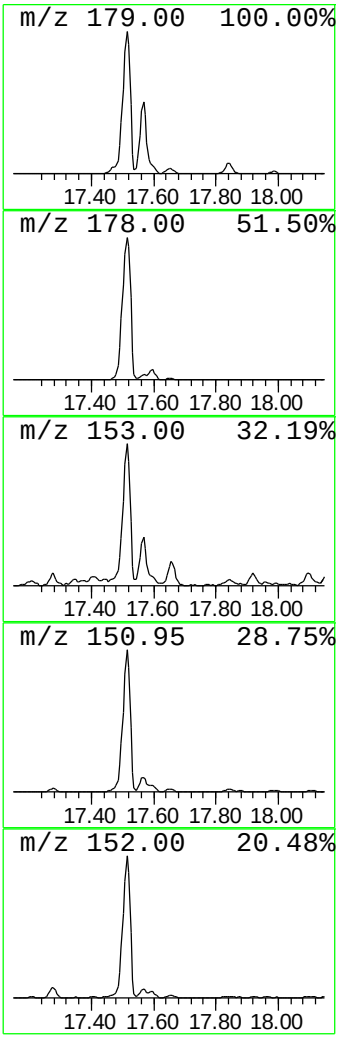
Peak Number 26 Benzo[h]quinoline Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.64 ng/ul	112408	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	81
2	Benzo[g]quinoline	179	C13H9N	000260-36-6	70
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	64
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	58
5	Phenanthridine	179	C13H9N	000229-87-8	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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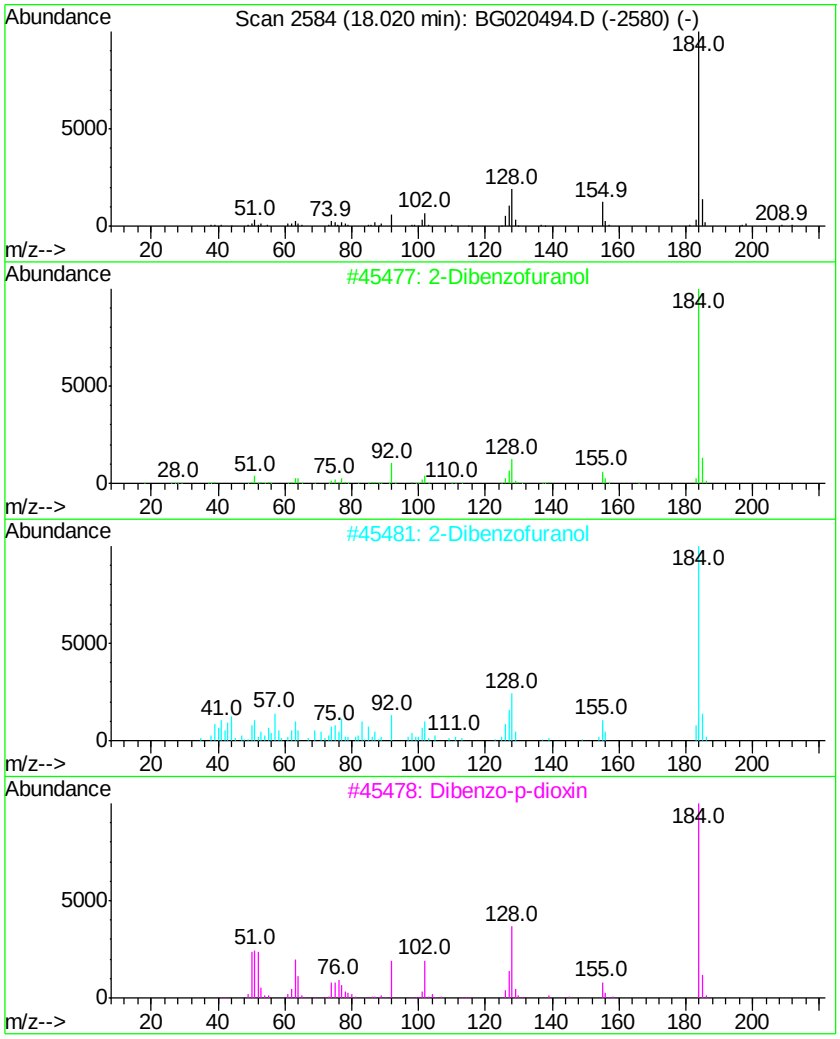
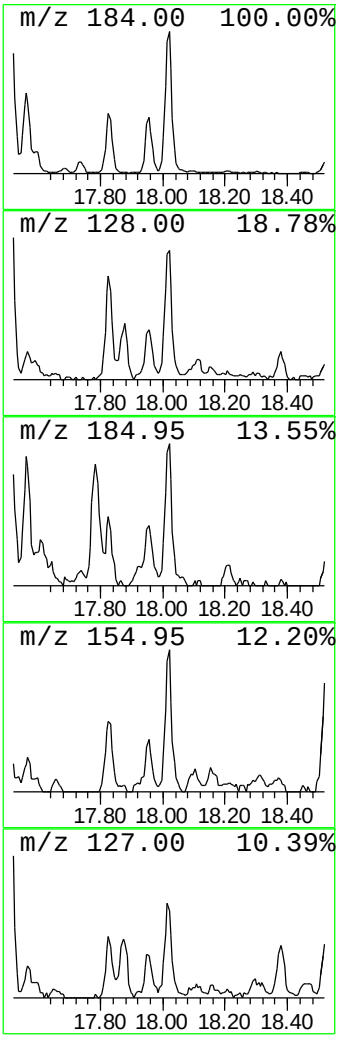
Peak Number 28 2-Dibenzofuranol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.96 ng/ul	168489	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	91
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	90
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	80
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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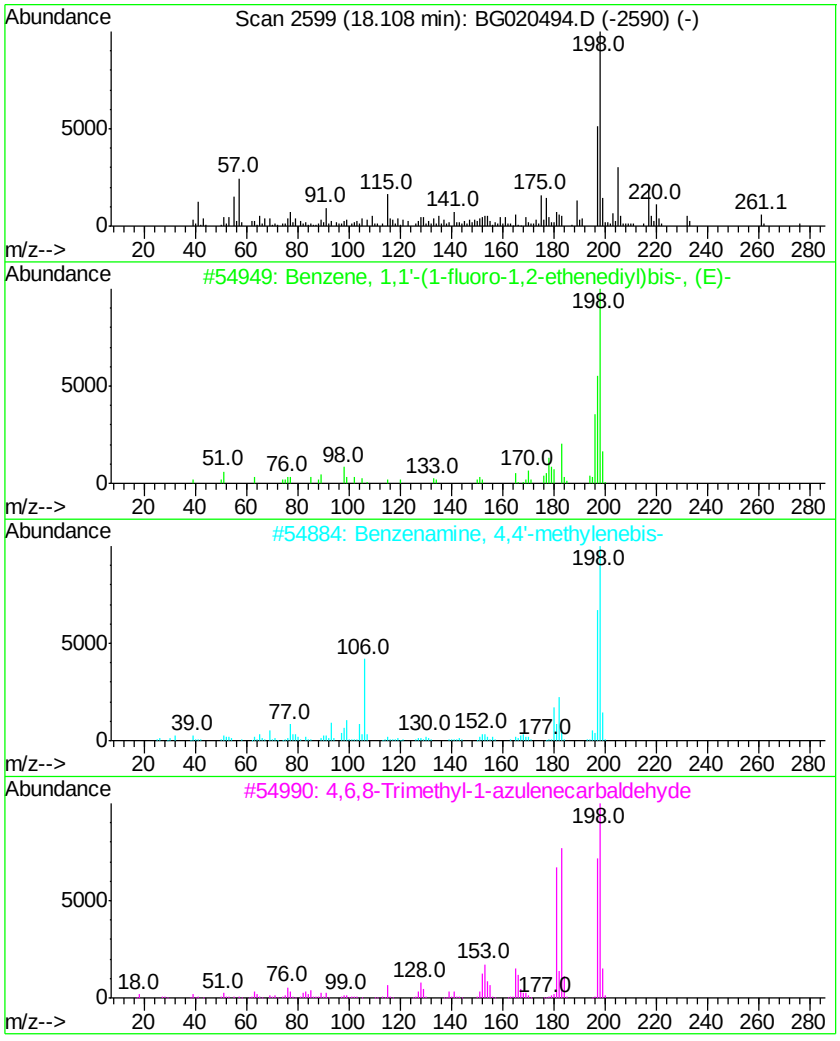
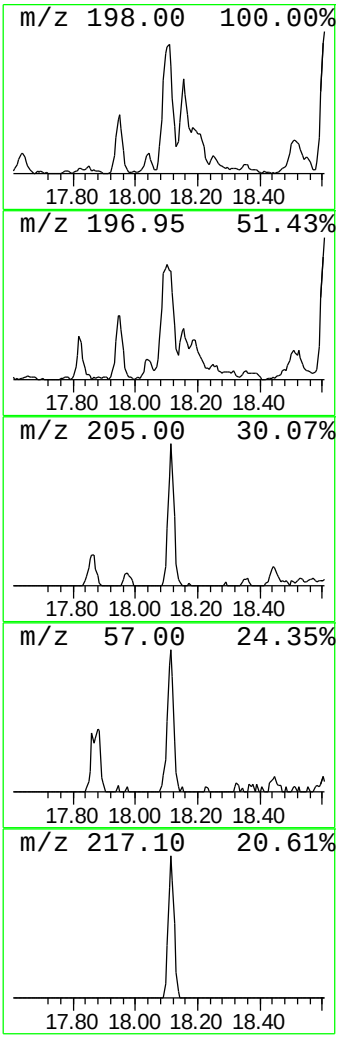
Peak Number 29 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	6.60 ng/ul	280639	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	38
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	38
3	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	35
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	35
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	25





Library Search Compound Report

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Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION

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

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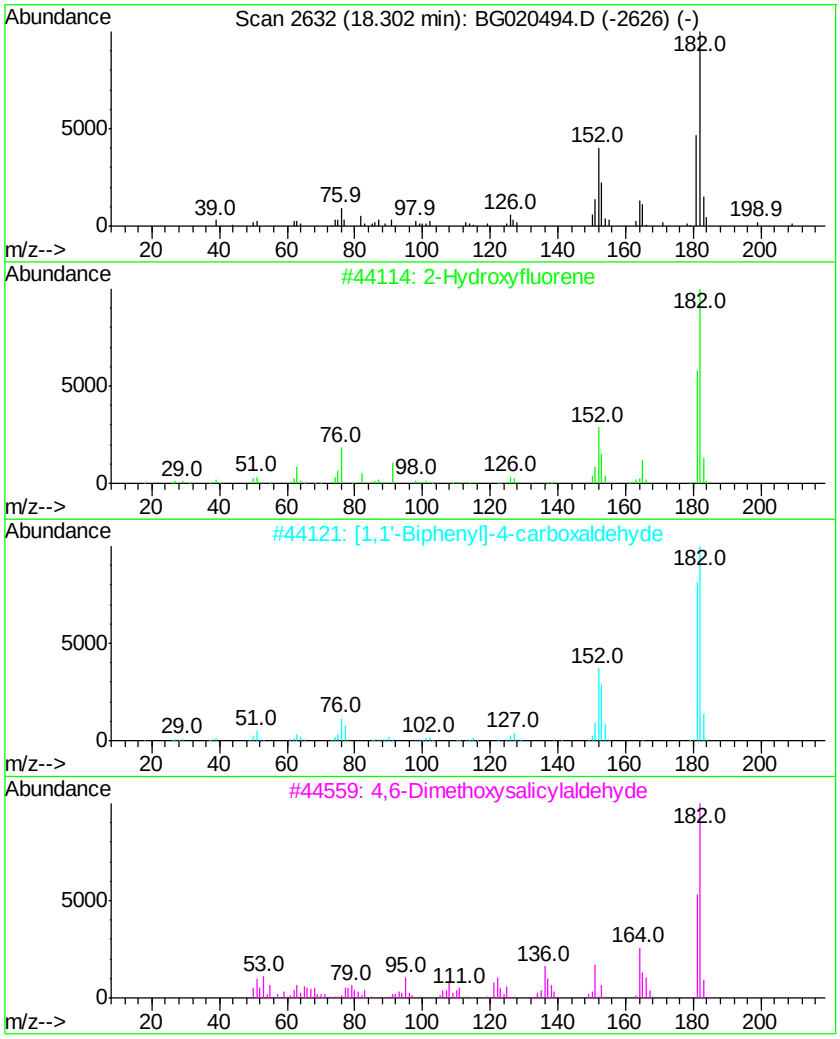
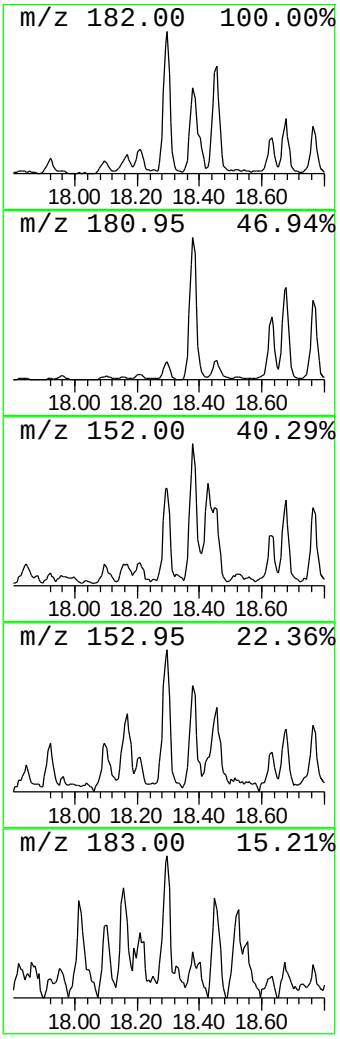
Peak Number 30 2-Hydroxyfluorene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.24 ng/ul	95163	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
3	4,6-Dimethoxysalicylaldehyde	182	C9H10O4	000708-76-9	53
4	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	47
5	Methiocarb-anisole	182	C10H14OS	055661-09-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122415\
Data File : BG020494.D
Acq On : 25 Dec 2015 5:03
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.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
Indane	8.45	12.6	ng/ul	171890	1	8.08	273765	20.0
Indene	8.62	68.6	ng/ul	939466	1	8.08	273765	20.0
Naphthalene, 1-me...	12.77	3.1	ng/ul	2313060	2	10.91	15091300	20.0
Naphthalene, 1-et...	13.74	6.4	ng/ul	270176	3	14.72	845080	20.0
Naphthalene, 1,5-...	13.89	9.2	ng/ul	390044	3	14.72	845080	20.0
Naphthalene, 2,6-...	14.03	10.7	ng/ul	453015	3	14.72	845080	20.0
Naphthalene, 2,3-...	14.27	3.8	ng/ul	160234	3	14.72	845080	20.0
2-Naphthalenecarb...	14.85	27.2	ng/ul	1147710	3	14.72	845080	20.0
unknown-01	15.02	2.7	ng/ul	113159	3	14.72	845080	20.0
1-Isopropenylnaph...	15.88	4.3	ng/ul	180984	3	14.72	845080	20.0
Benzene, 1,1'-(ch...	15.92	6.4	ng/ul	271269	3	14.72	845080	20.0
1,1'-Biphenyl, 4-...	16.01	3.0	ng/ul	124496	3	14.72	845080	20.0
[1,1'-Biphenyl]-4...	16.05	5.2	ng/ul	218732	3	14.72	845080	20.0
Dibenzofuran, 4-m...	16.19	10.8	ng/ul	458881	4	17.46	850610	20.0
1(2H)-Acenaphthyl...	16.43	2.3	ng/ul	98964	4	17.46	850610	20.0
Anthracene, 9,10-...	16.55	4.6	ng/ul	194907	4	17.46	850610	20.0
Phenanthrene, 9,1...	16.72	2.4	ng/ul	100842	4	17.46	850610	20.0
9H-Fluorene, 3-me...	16.76	3.1	ng/ul	131140	4	17.46	850610	20.0
9H-Fluoren-9-one	17.11	3.8	ng/ul	161800	4	17.46	850610	20.0
Naphtho[2,3-b]thi...	17.28	9.8	ng/ul	417359	4	17.46	850610	20.0
Benzo[h]quinoline	17.65	2.6	ng/ul	112408	4	17.46	850610	20.0
2-Dibenzofuranol	18.02	4.0	ng/ul	168489	4	17.46	850610	20.0
unknown-02	18.11	6.6	ng/ul	280639	4	17.46	850610	20.0
2-Hydroxyfluorene	18.30	2.2	ng/ul	95163	4	17.46	850610	20.0