LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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	8.082	886	892	900	rBB	63804	109221	1.13%	0.157%
2	8.622	978	984	993	rBB	81353	137752	1.43%	0.198%
3	8.793	1007	1013	1021	rBV	60577	103646	1.07%	0.149%
4	9.251	1085	1091	1104	rVB	50064	96422	1.00%	0.138%
5	10.291	1262	1268	1279	rBV4	29695	86088	0.89%	0.123%
6	10.526	1301	1308	1316	rVB2	81764	147514	1.53%	0.212%
7	10.908	1366	1373	1375	rBV	94718	168657	1.75%	0.242%
8	10.973	1375	1384	1390	rVV	2305949	4712398	48.83%	6.758%
9	11.037	1390	1395	1398	rVV	50375	93080	0.96%	0.133%
10	11.078	1398	1402	1409	rVB	88454	150409	1.56%	0.216%
11	12.559	1643	1654	1661	rVV	1609850	2805104	29.07%	4.023%
12	12.776	1679	1691	1699	rVV	807076	1388482	14.39%	1.991%
13	13.552	1814	1823	1835	rVB	538743	838298	8.69%	1.202%
14	13.746	1850	1856	1868	rVB	202700	383091	3.97%	0.549%
15	13.893	1868	1881	1889	rBV4	275469	756097	7.83%	1.084%
16	14.040	1898	1906	1911	rBV	381196	710872	7.37%	1.019%
17	14.092	1911	1915	1918	rBV	237739	367530	3.81%	0.527%
18	14.275	1940	1946	1950	rBV	163714	268160	2.78%	0.385%
19	14.416	1963	1970	1972	rBV	171586	298371	3.09%	0.428%
20	14.439	1972	1974	1980	rVB	173203	229360	2.38%	0.329%
21	14.692	2006	2017	2020	rVV	246014	429895	4.45%	0.616%
22	14.721	2020	2022	2027	rVV2	194238	262076	2.72%	0.376%
23	14.797	2027	2035	2040	rVV	2622552	4415453	45.75%	6.332%
24	14.850	2040	2044	2050	rVB	105855	162346	1.68%	0.233%
25	14.921	2050	2056	2065	rBV2	99135	219013	2.27%	0.314%
26	15.027	2065	2074	2078	rVV2	125654	232986	2.41%	0.334%
27	15.126	2083	2091	2097	rVV	1693814	2904524	30.10%	4.165%
28	15.185	2097	2101	2111	rVB	96401	154102	1.60%	0.221%
29	15.326	2119	2125	2130	rBV2	72270	130979	1.36%	0.188%
30	15.379	2130	2134	2147	rVB2	83486	133646	1.38%	0.192%
31	15.497	2147	2154	2158	rBV	62370	133201	1.38%	0.191%
32	15.538	2158	2161	2166	rVV3	59259	90419	0.94%	0.130%
33	15.679	2181	2185	2186	rVV2	69596	90893	0.94%	0.130%
34	15.708	2186	2190	2195	rVV	216313	367142	3.80%	0.527%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	15.779	2195	2202	2208	rVV	2305754	3845407	39.85%	5.515%
36	15.861	2208	2216	2218	rVV3	132815	268247	2.78%	0.385%
37	15.890	2218	2221	2224	rVV	214828	339659	3.52%	0.487%
38	15.926	2224	2227	2232	rVV2	373911	593735	6.15%	0.851%
39	15.978	2232	2236	2238	rVV	90227	145634	1.51%	0.209%
40	16.014	2238	2242	2245	rVV	192903	305254	3.16%	0.438%
41	16.055	2245	2249	2258	rVV	404347	617395	6.40%	0.885%
42	16.202	2258	2274	2282	rVV	405520	923119	9.57%	1.324%
43	16.296	2286	2290	2295	rVV	76181	117070	1.21%	0.168%
44	16.554	2329	2334	2341	rVB	248322	360219	3.73%	0.517%
45	16.766	2358	2370	2374	rBV2	307031	697880	7.23%	1.001%
46	16.813	2374	2378	2384	rVV2	100441	149166	1.55%	0.214%
47	16.913	2389	2395	2400	rVB3	129913	234546	2.43%	0.336%
48	16.989	2400	2408	2411	rBV2	104382	246081	2.55%	0.353%
49	17.030	2411	2415	2419	rVB2	93834	124309	1.29%	0.178%
50	17.118	2426	2430	2436	rVB4	50203	99456	1.03%	0.143%
51	17.189	2436	2442	2453	rBV3	140424	418721	4.34%	0.600%
52	17.283	2453	2458	2468	rVB	530366	835296	8.66%	1.198%
53	17.471	2482	2490	2492	rBV	215609	370100	3.83%	0.531%
54	17.535	2492	2501	2505	rVV	4535899	9650721	100.00%	13.840%
55	17.577	2505	2508	2510	rVV	274283	389854	4.04%	0.559%
56	17.606	2510	2513	2517	rVB	539798	677422	7.02%	0.971%
57	17.864	2546	2557	2566	rBV	280719	560569	5.81%	0.804%
58	17.976	2572	2576	2583	rBV2	108820	177993	1.84%	0.255%
59	18.047	2583	2588	2596	rVB5	52169	116788	1.21%	0.167%
60	18.182	2603	2611	2620	rVB	53073	126410	1.31%	0.181%
61	18.340	2632	2638	2642	rVV	480880	714995	7.41%	1.025%
62	18.387	2642	2646	2652	rVB	653280	946865	9.81%	1.358%
63	18.470	2652	2660	2665	rBV	210005	367299	3.81%	0.527%
64	18.540	2665	2672	2682	rVB2	846474	1747863	18.11%	2.507%
65	18.834	2716	2722	2727	rVV	369120	528537	5.48%	0.758%
66	19.075	2758	2763	2767	rVB2	80784	107045	1.11%	0.154%
67	19.245	2786	2792	2797	rBV	130905	246995	2.56%	0.354%
68	19.310	2798	2803	2807	rVV2	61444	103577	1.07%	0.149%
69	19.527	2831	2840	2845	rBV	3074327	5044995	52.28%	7.235%
70	19.609	2850	2854	2858	rVB	71180	92417	0.96%	0.133%
71	19.756	2873	2879	2888	rVB	120663	240505	2.49%	0.345%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	19.850	2888	2895	2897	rBV3	892313	1507182	15.62%	2.161%
73	19.886	2897	2901	2907	rVB	2069630	3195300	33.11%	4.582%
74	19.938	2907	2910	2917	rVB2	141704	219453	2.27%	0.315%
75	20.050	2917	2929	2934	rBV	162854	272870	2.83%	0.391%
76	20.191	2946	2953	2954	rBV2	141713	242956	2.52%	0.348%
77	20.250	2959	2963	2968	rBV	74521	96057	1.00%	0.138%
78	20.362	2970	2982	2987	rVB	492825	870299	9.02%	1.248%
79	20.461	2993	2999	3003	rBV	553182	794749	8.24%	1.140%
80	20.520	3003	3009	3013	rVV3	141374	294253	3.05%	0.422%
81	20.555	3013	3015	3019	rVV	89184	102579	1.06%	0.147%
82	20.661	3029	3033	3036	rBV	72497	96812	1.00%	0.139%
83	20.702	3036	3040	3044	rVB2	66624	85532	0.89%	0.123%
84	20.884	3067	3071	3075	rBV2	83049	118903	1.23%	0.171%
85	21.078	3099	3104	3109	rVV	60093	118558	1.23%	0.170%
86	21.313	3136	3144	3147	rBV	141052	224934	2.33%	0.323%
87	21.354	3147	3151	3155	rVV	132957	214482	2.22%	0.308%
88	21.407	3155	3160	3165	rVV2	105494	212386	2.20%	0.305%
89	21.595	3184	3192	3198	rBV	42034	98643	1.02%	0.141%
90	21.725	3202	3214	3221	rVV3	693511	1738236	18.01%	2.493%
91	21.789	3221	3225	3237	rVB	456819	795924	8.25%	1.141%
92	21.942	3245	3251	3259	rBV	124711	214515	2.22%	0.308%
93	22.154	3280	3287	3293	rVV3	64080	138648	1.44%	0.199%
94	22.471	3332	3341	3347	rVV	64843	171181	1.77%	0.245%
95	22.800	3393	3397	3405	rVB4	50553	102263	1.06%	0.147%
96	23.963	3586	3595	3602	rBV	133003	438571	4.54%	0.629%
97	24.698	3711	3720	3727	rBV	56962	170345	1.77%	0.244%
98	24.780	3727	3734	3740	rVV	136295	369331	3.83%	0.530%
99	24.850	3740	3746	3760	rVV	93959	268760	2.78%	0.385%
100	25.003	3761	3772	3780	rVV	148080	448632	4.65%	0.643%

Sum of corrected areas: 69731725

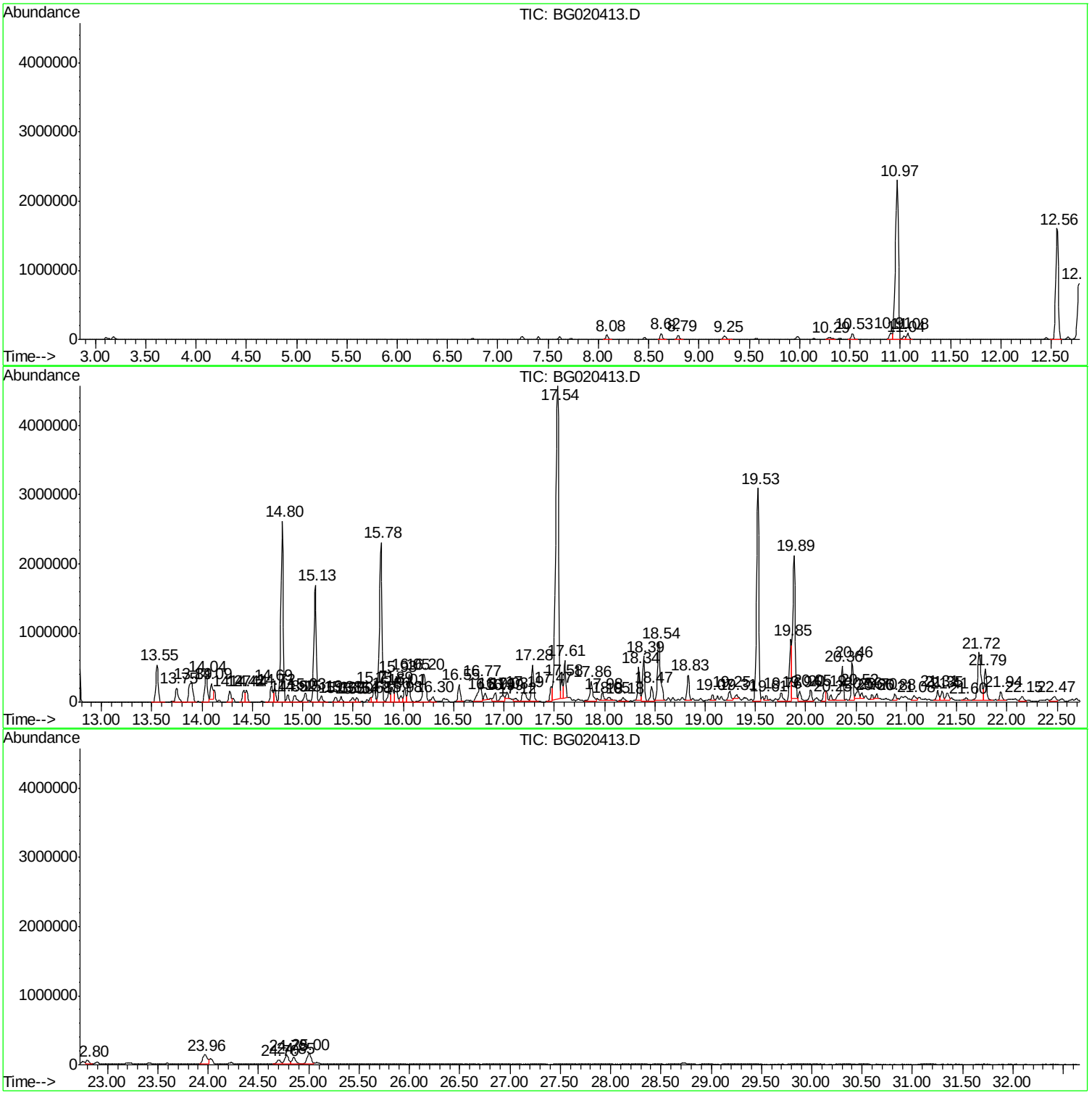
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

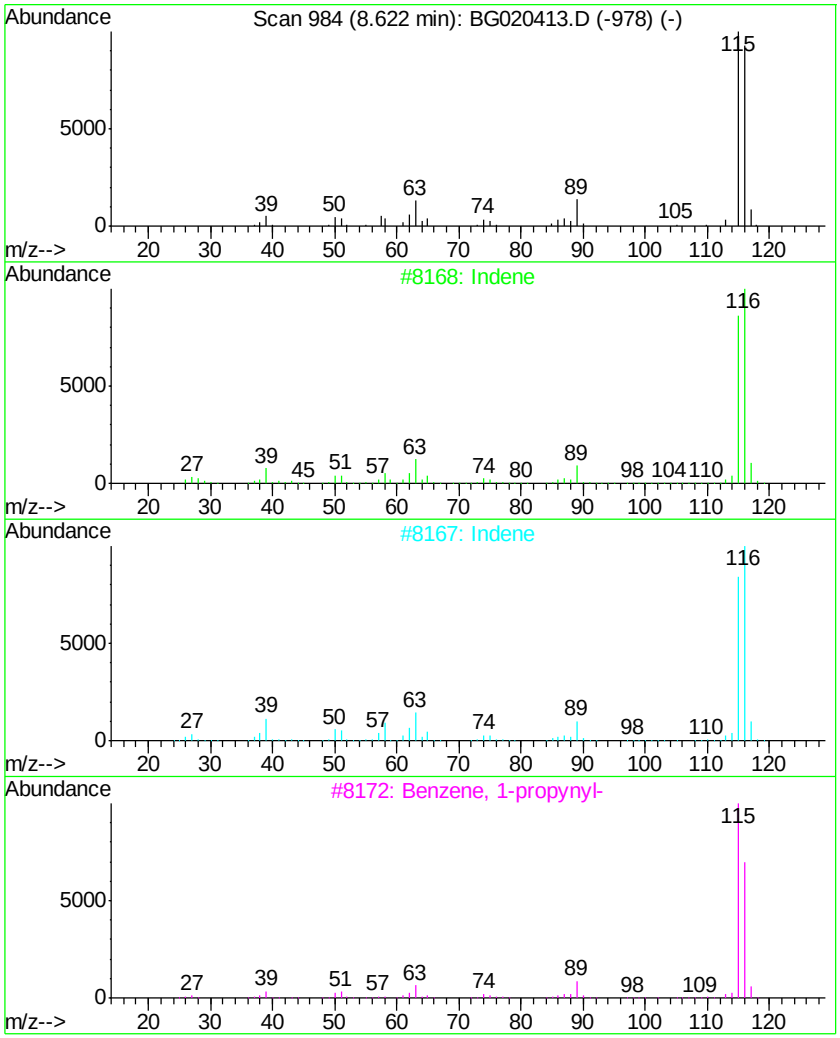
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

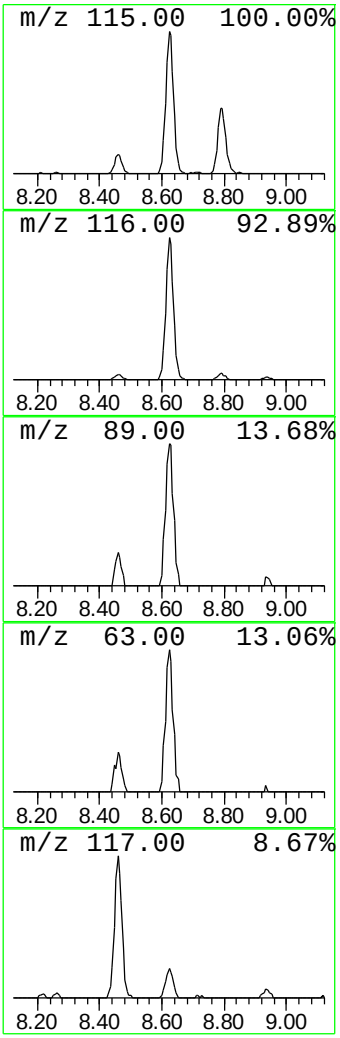
****

Peak Number 1 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	25.22 ng/ul	137752	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

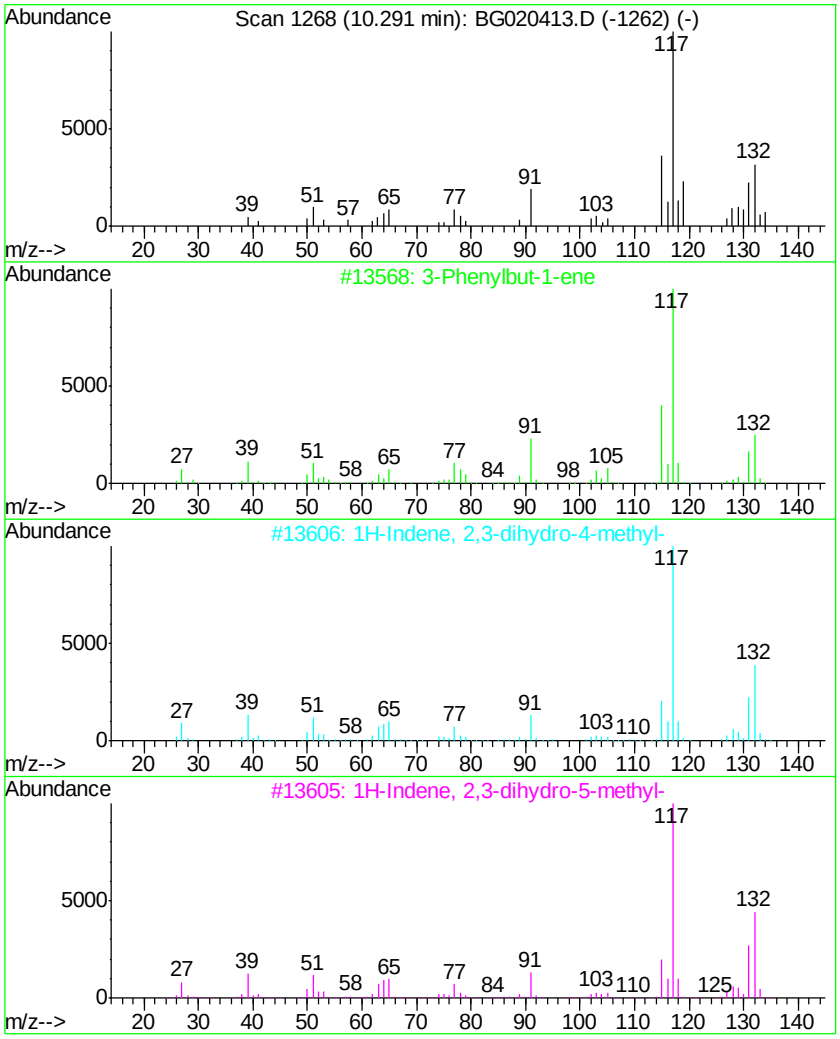
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

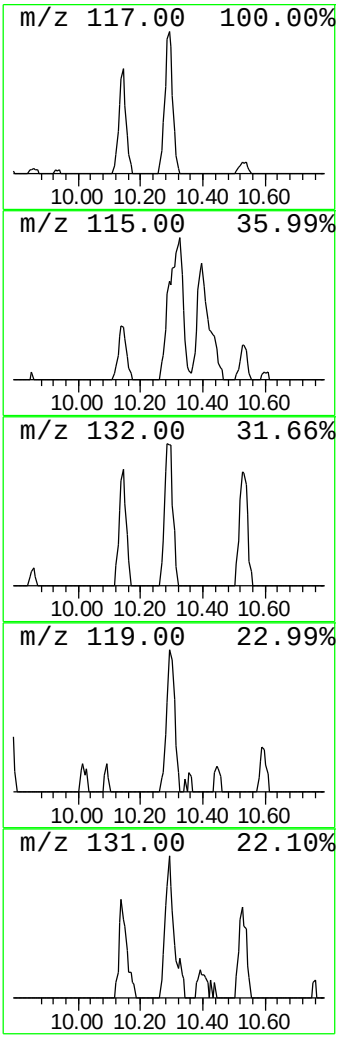
****

Peak Number 2 3-Phenylbut-1-ene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	10.21 ng/ul	86088	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

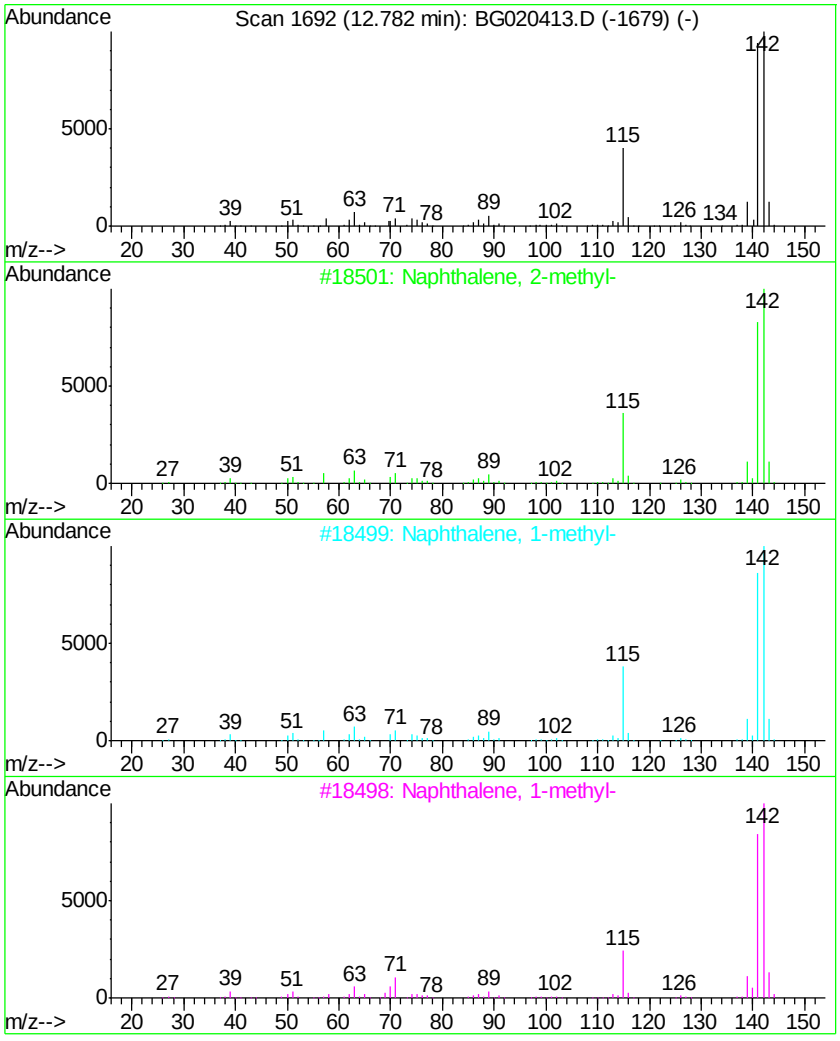
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

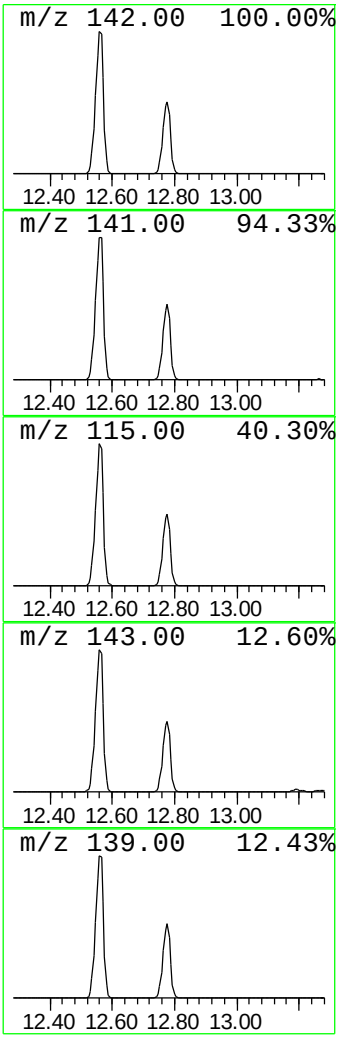
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	164.65 ng/ul	1388480	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

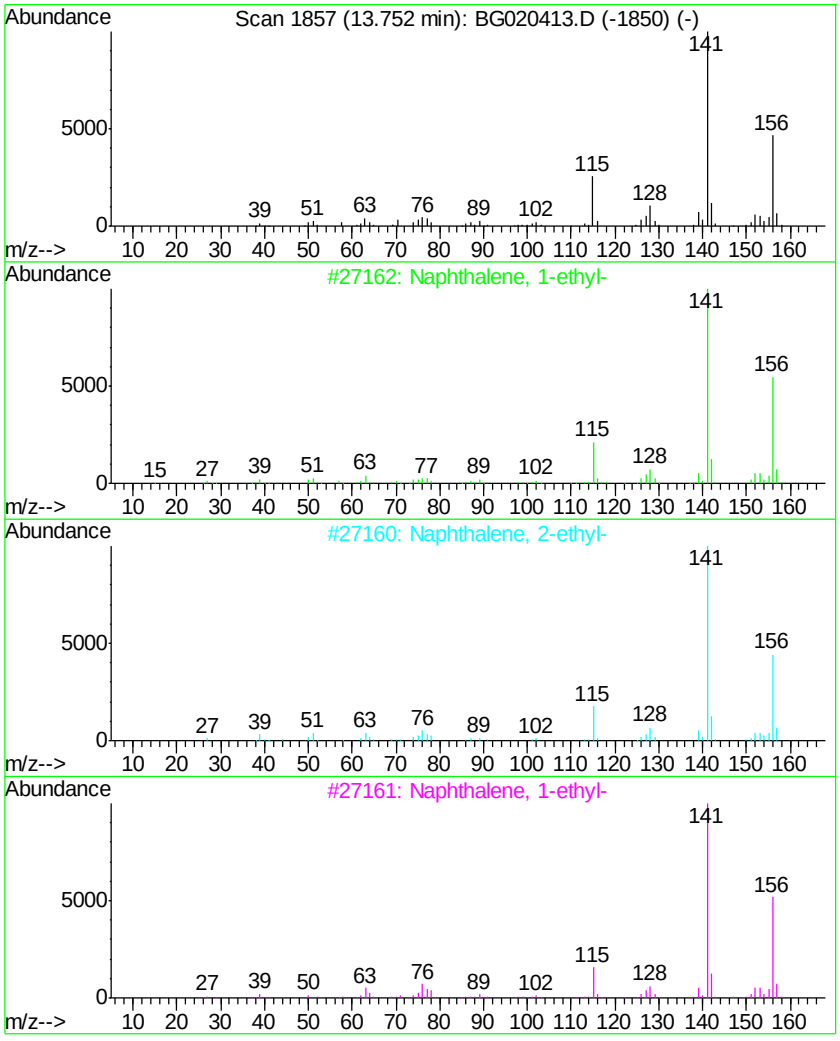
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

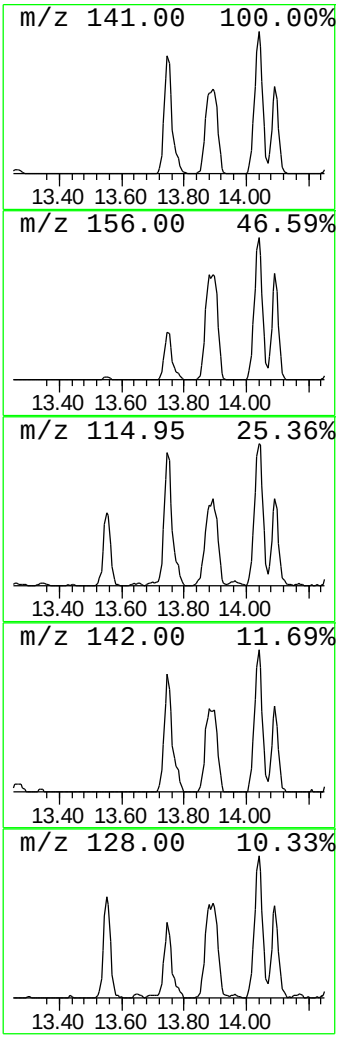
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	29.24 ng/ul	383091	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

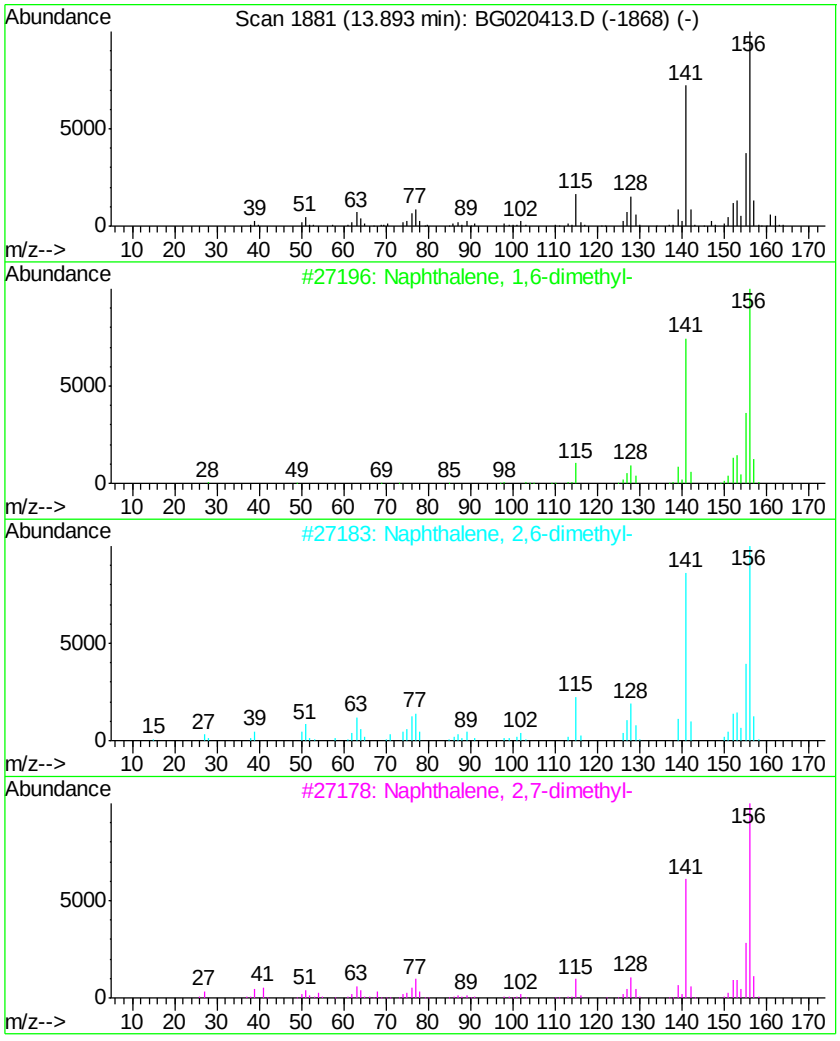
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

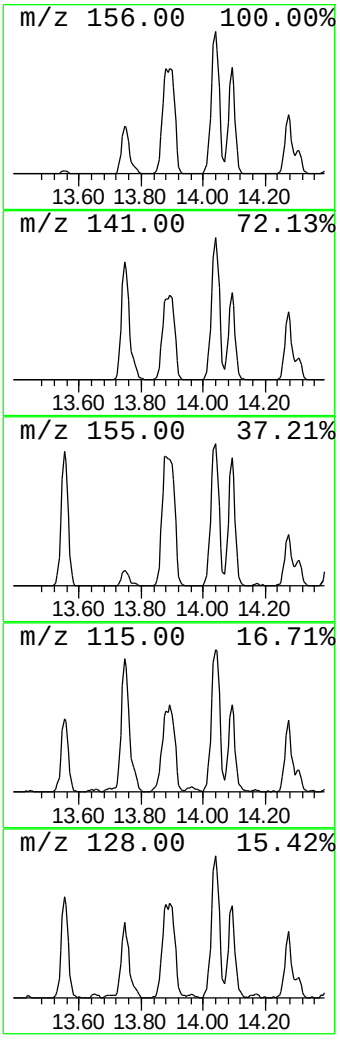
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	57.70 ng/ul	756097	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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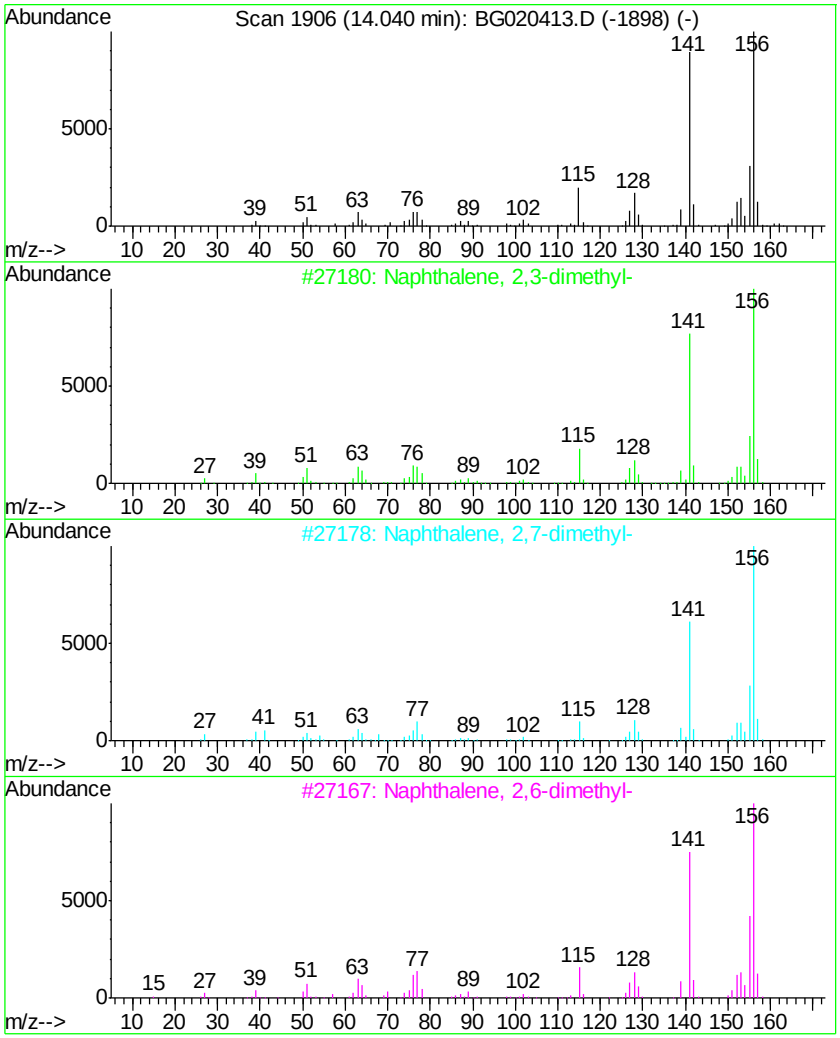
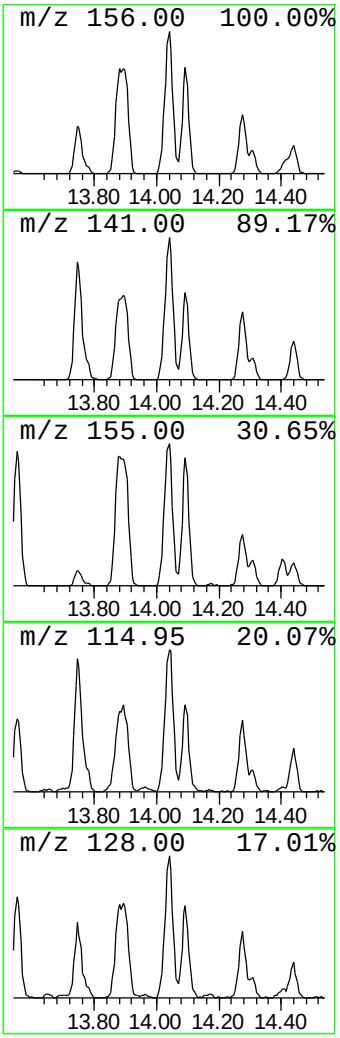
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	54.25 ng/ul	710872	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

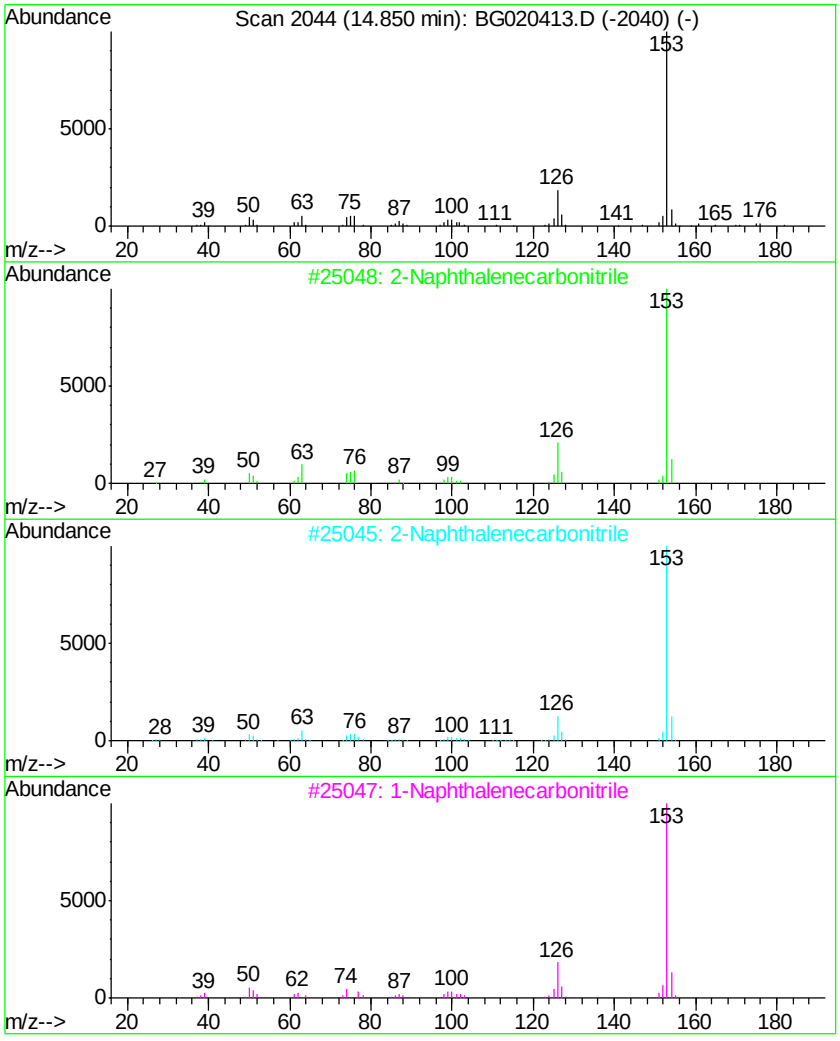
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

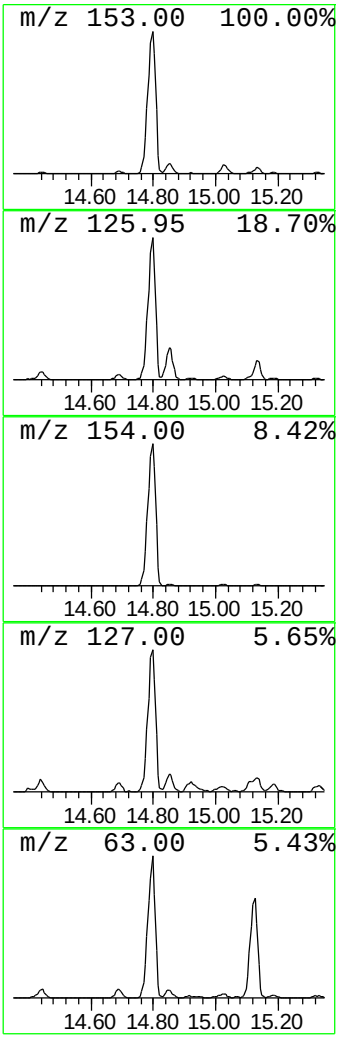
****

Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	12.39 ng/ul	162346	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	83





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Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

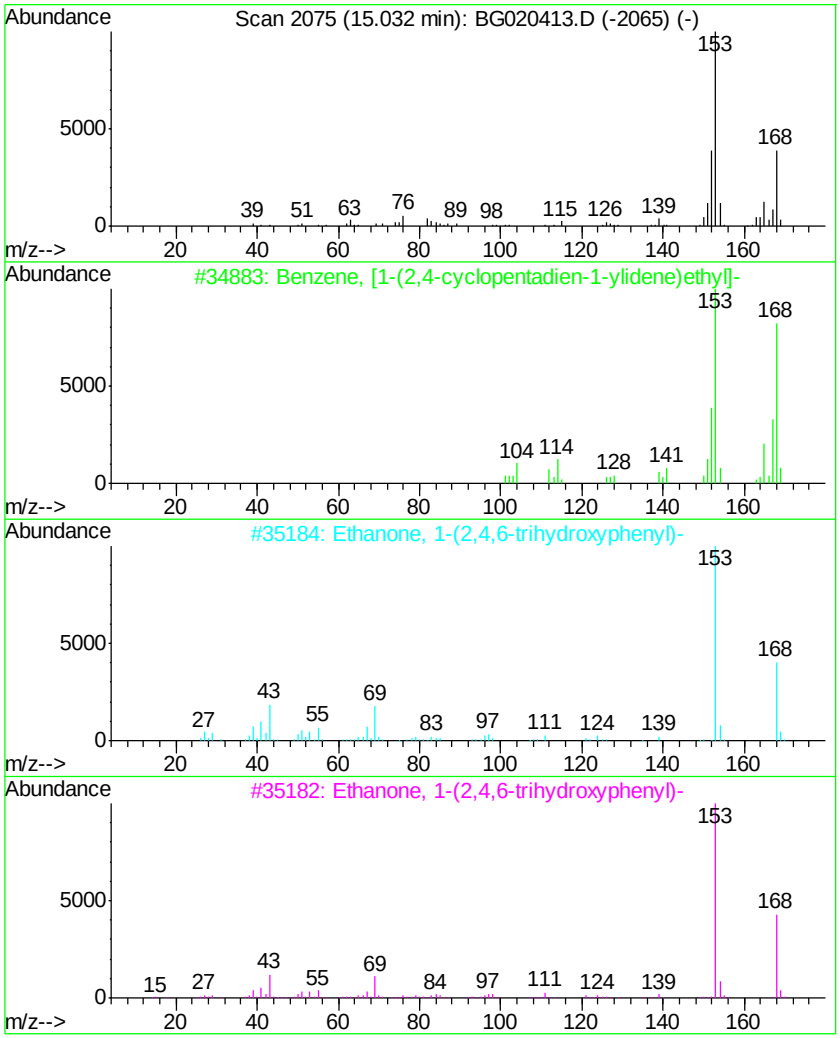
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

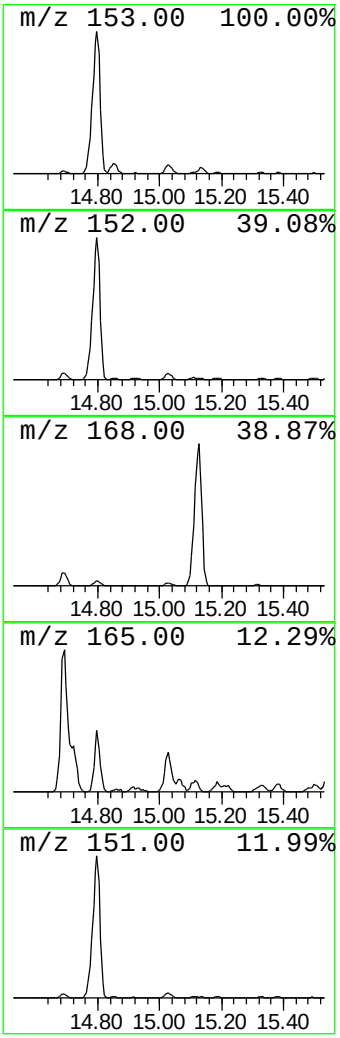
****

Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	17.78 ng/ul	232986	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

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

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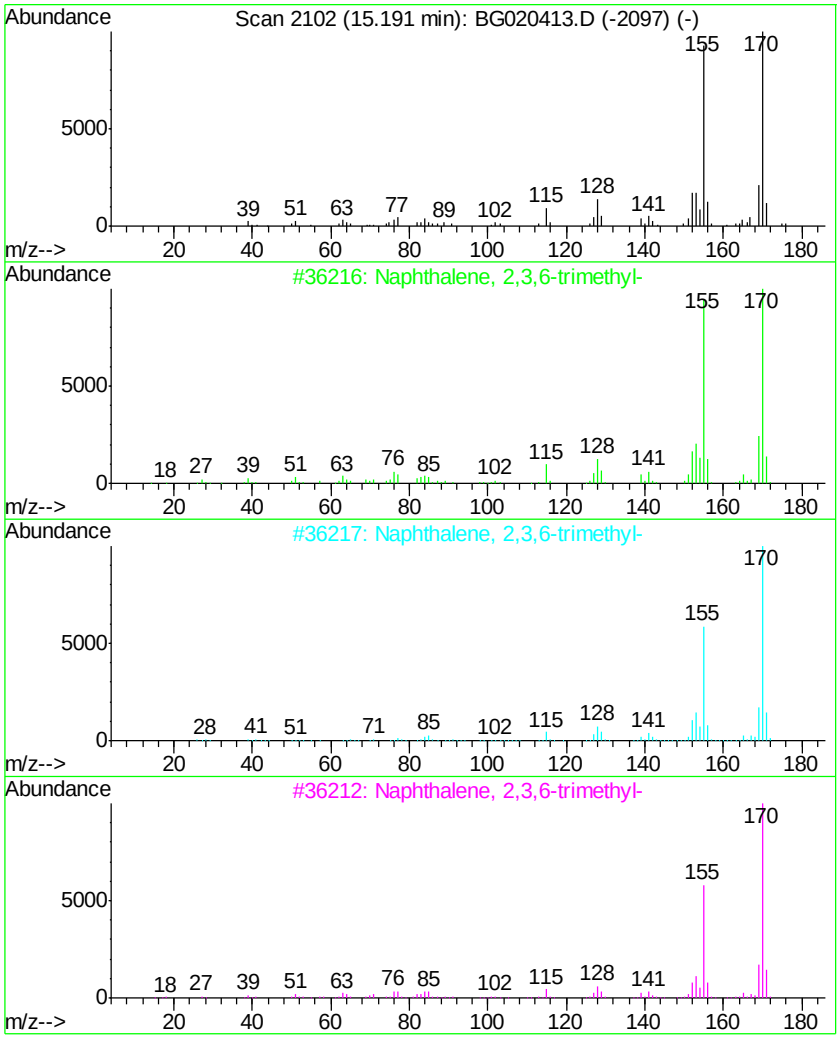
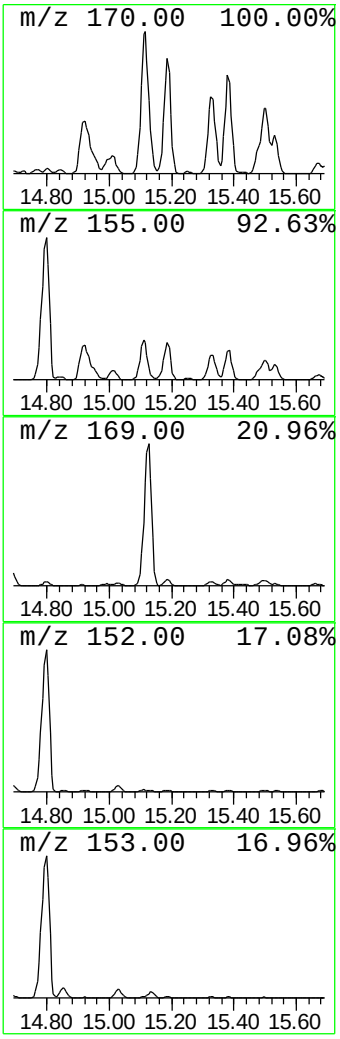
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.76 ng/ul	154102	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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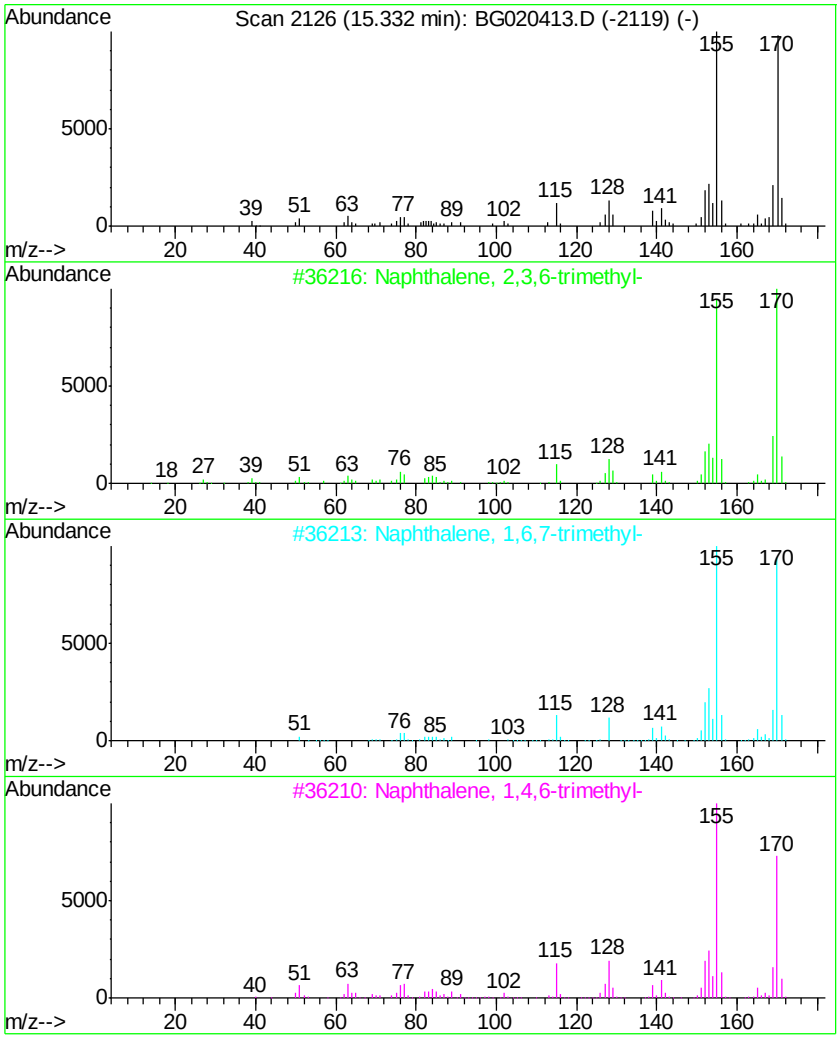
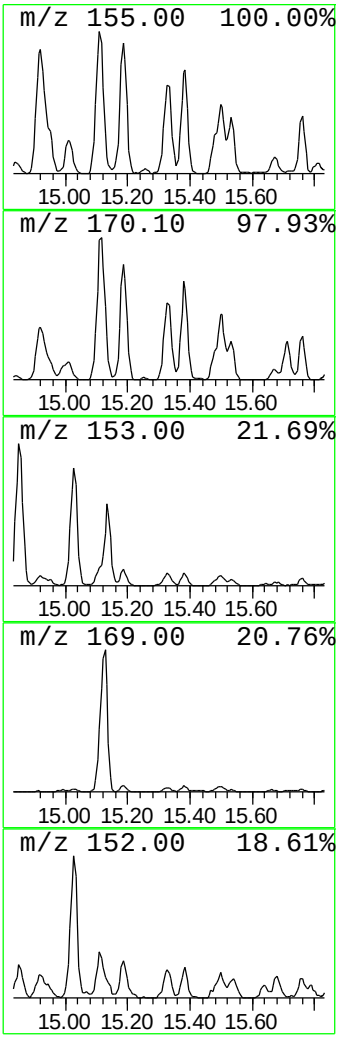
Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	10.00 ng/ul	130979	Acenaphthene-d10	14.72

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	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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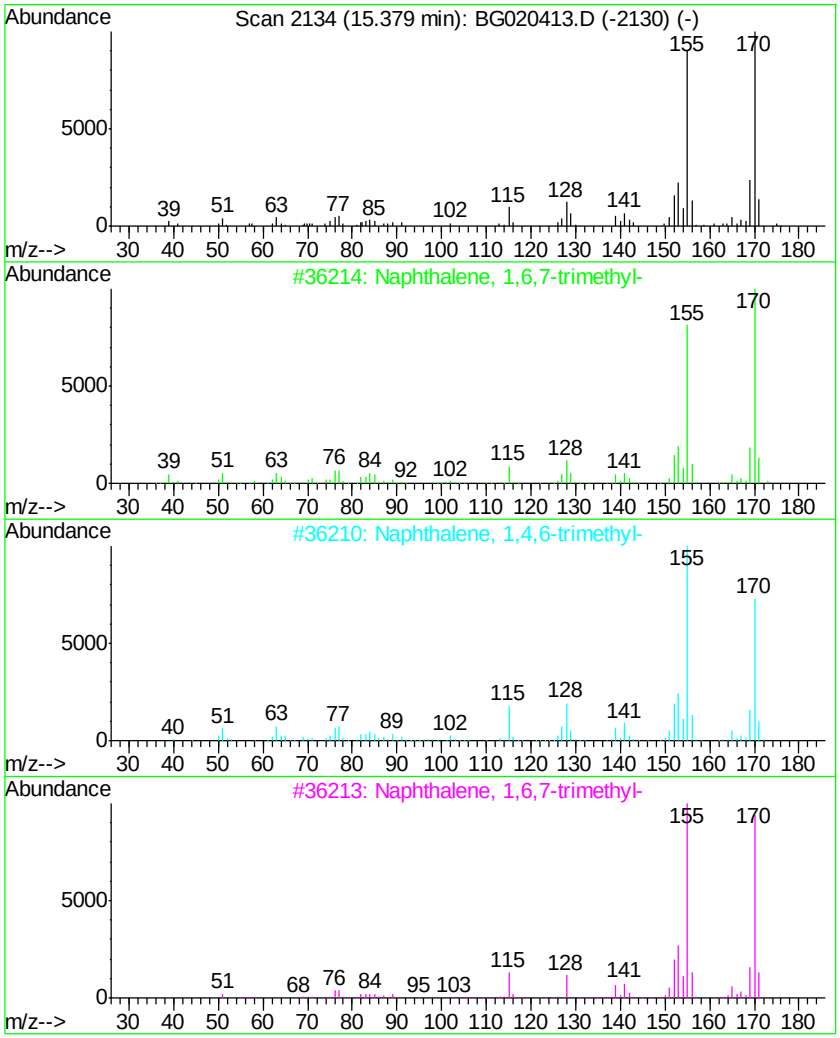
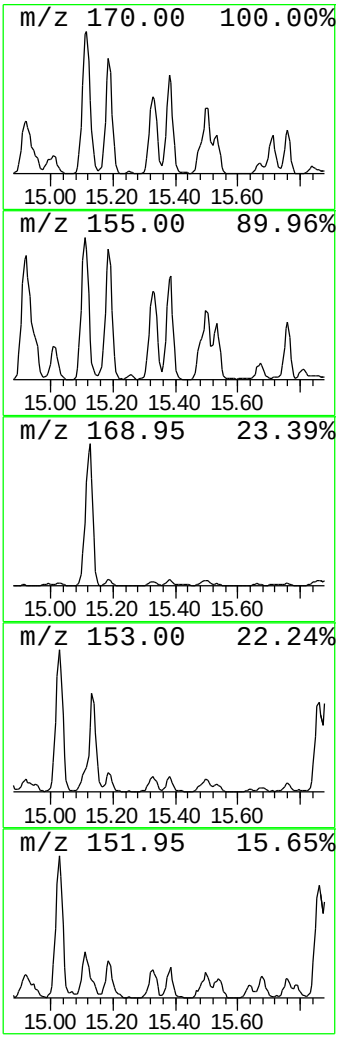
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	10.20 ng/ul	133646	Acenaphthene-d10	14.72

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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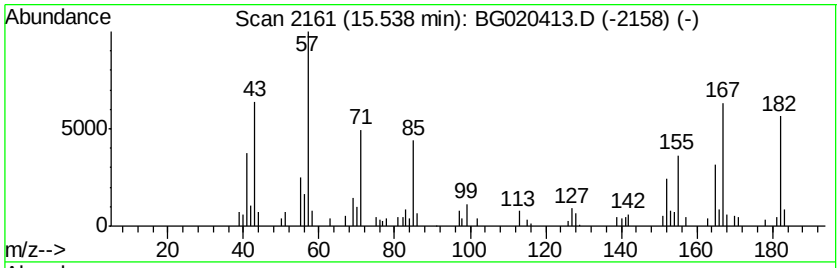
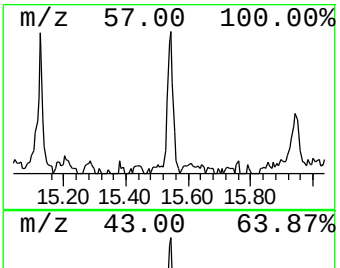
Peak Number 14 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	6.90 ng/ul	90419	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	41
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	41
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38
4	Heneicosane	296	C21H44	000629-94-7	30
5	Octacosane	394	C28H58	000630-02-4	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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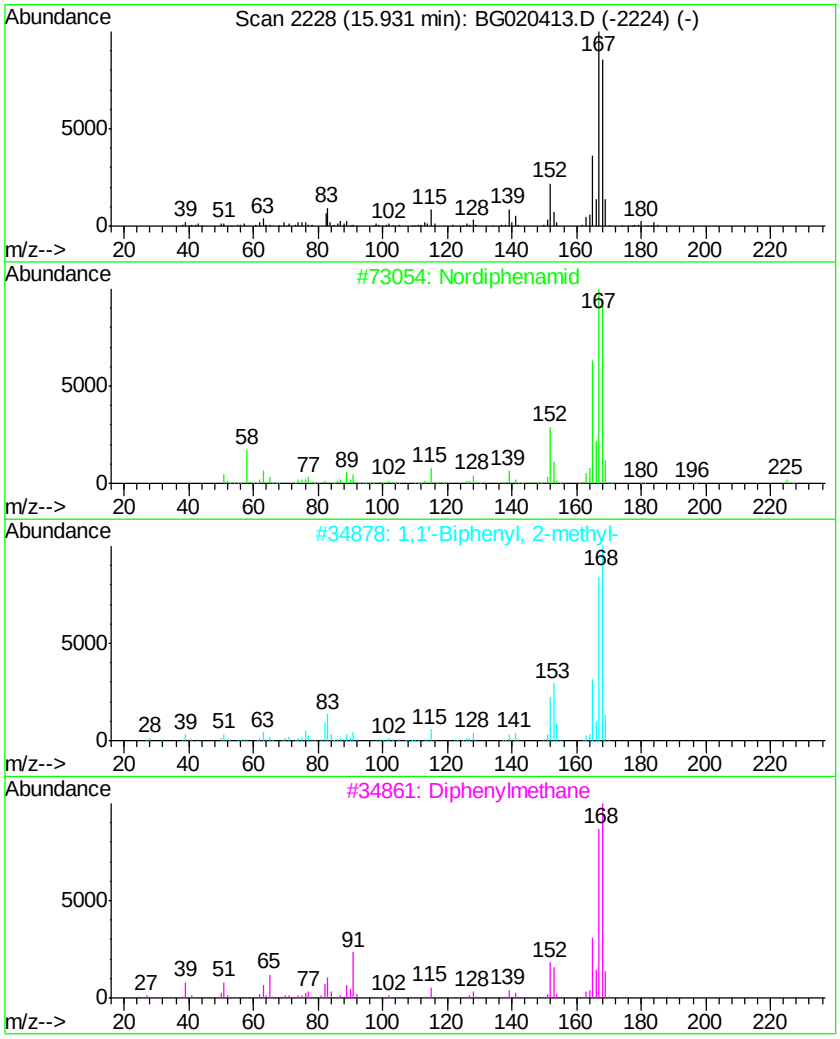
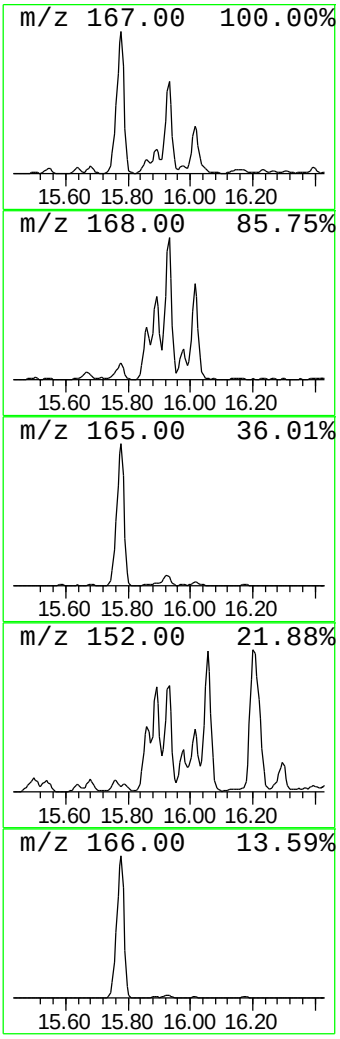
Peak Number 15 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	45.31 ng/ul	593735	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	64
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Diphenylmethane	168	C13H12	000101-81-5	62
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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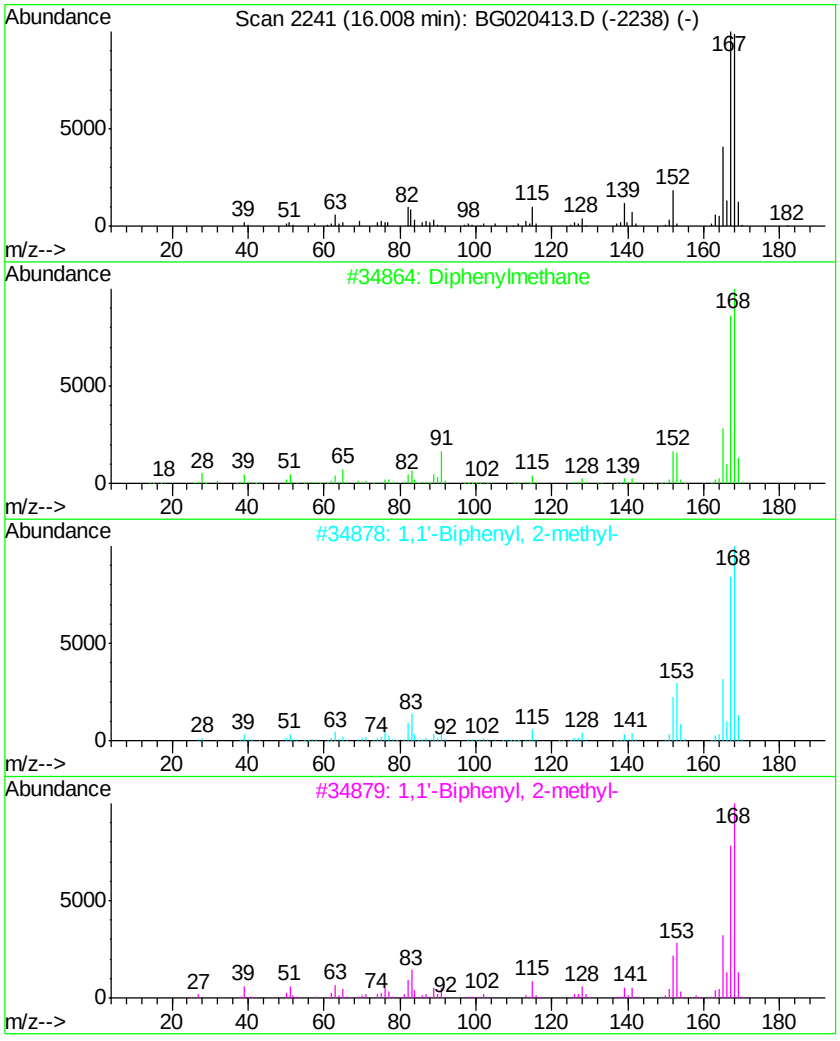
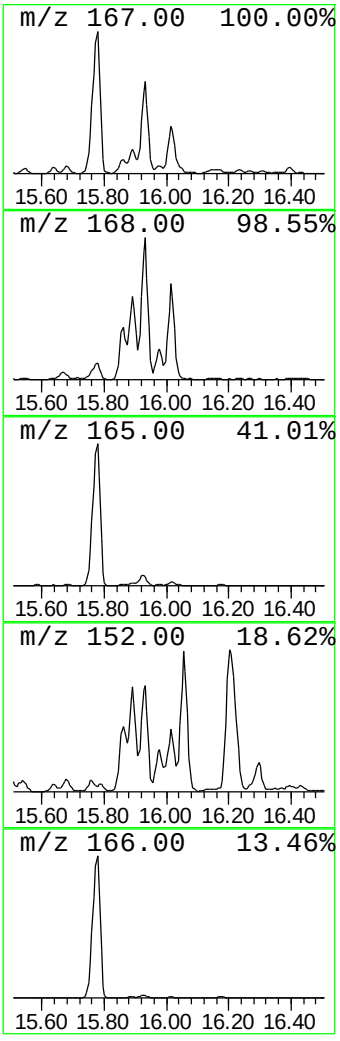
Peak Number 17 Diphenylmethane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	23.30 ng/ul	305254	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
4	Nordiphenamid	225	C15H15NO	000954-21-2	83
5	Diphenylmethane	168	C13H12	000101-81-5	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

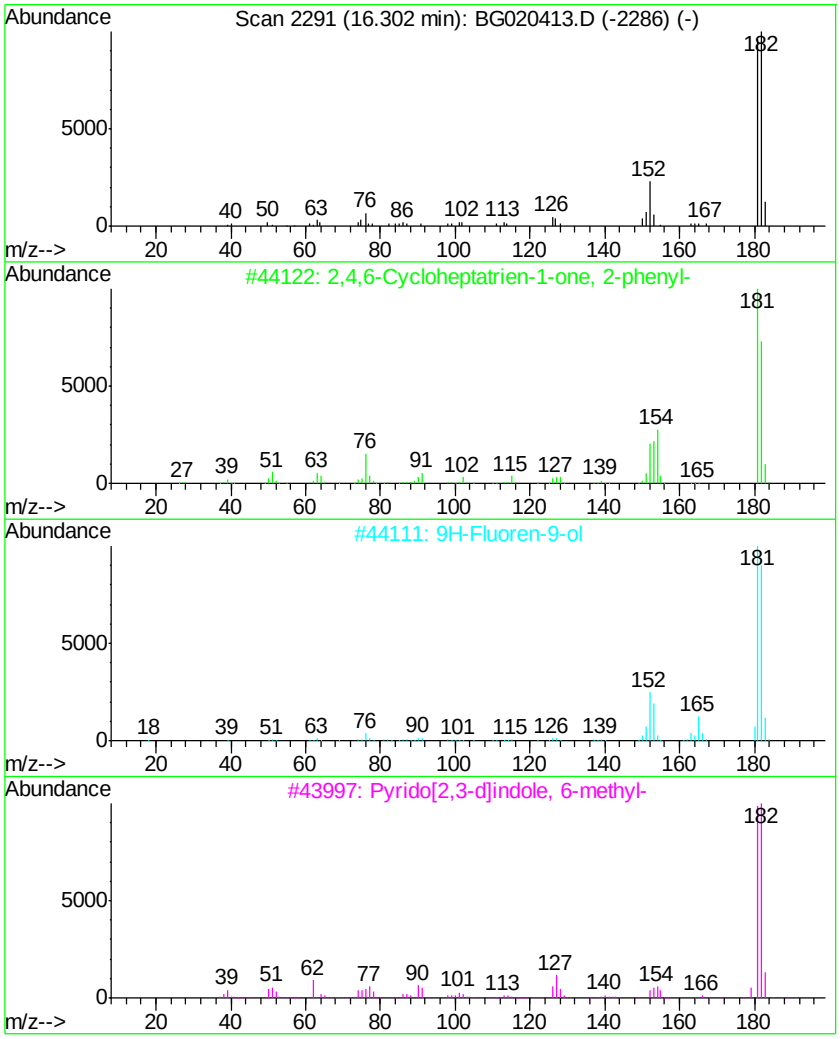
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

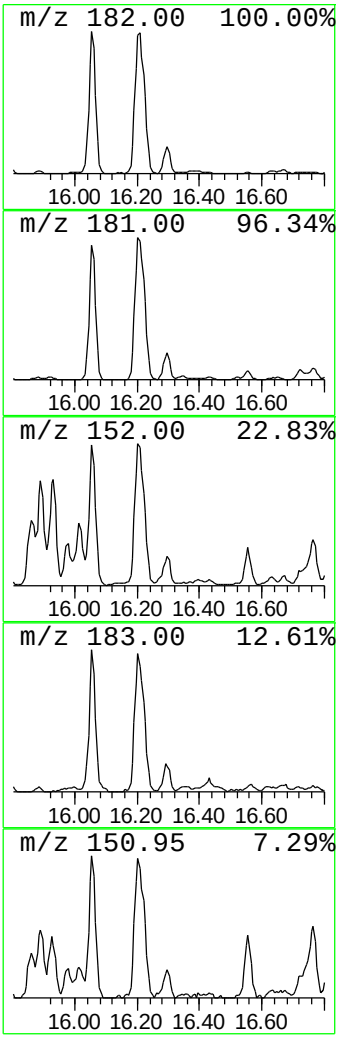
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 2,4,6-Cycloheptatrien-1-one... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	6.33 ng/ul	117070	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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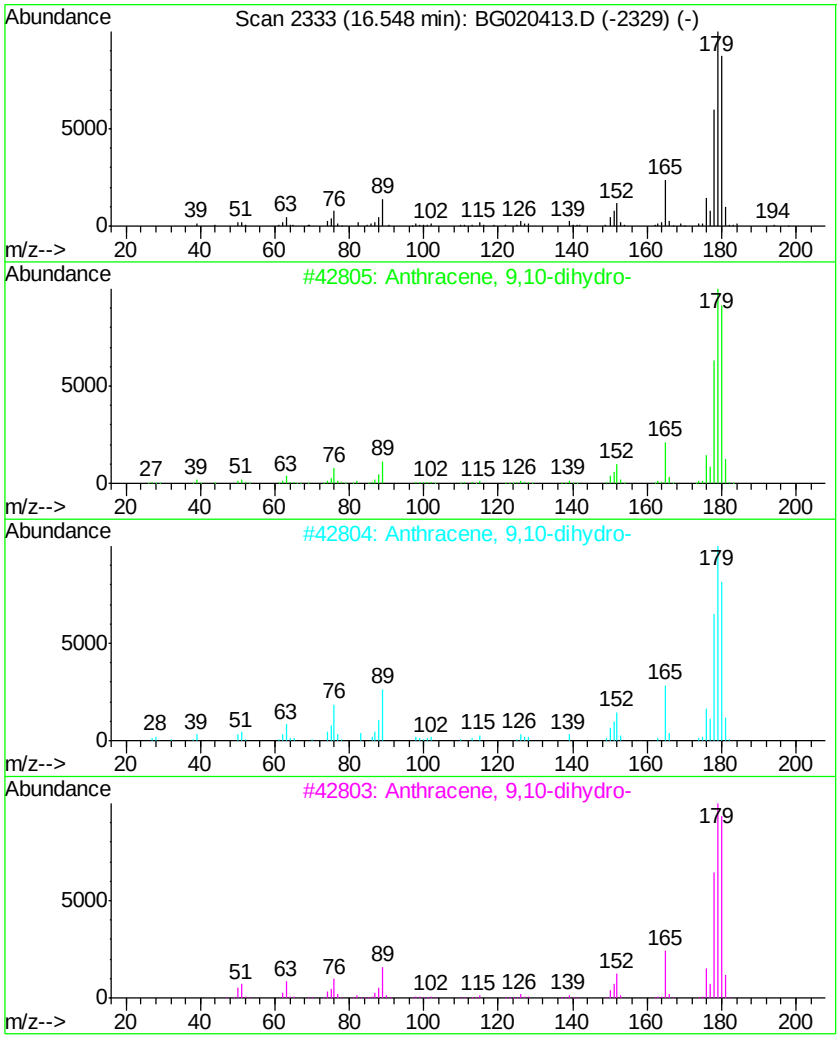
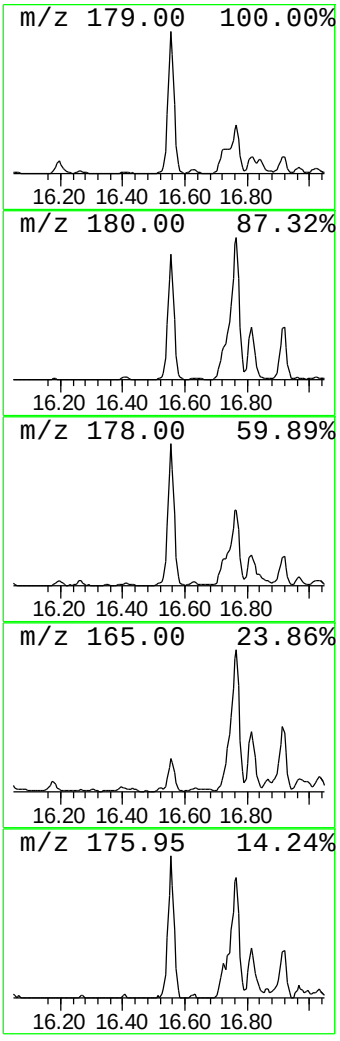
Peak Number 21 Anthracene, 9,10-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	19.47 ng/ul	360219	Phenanthrene-d10	17.47

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	96
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

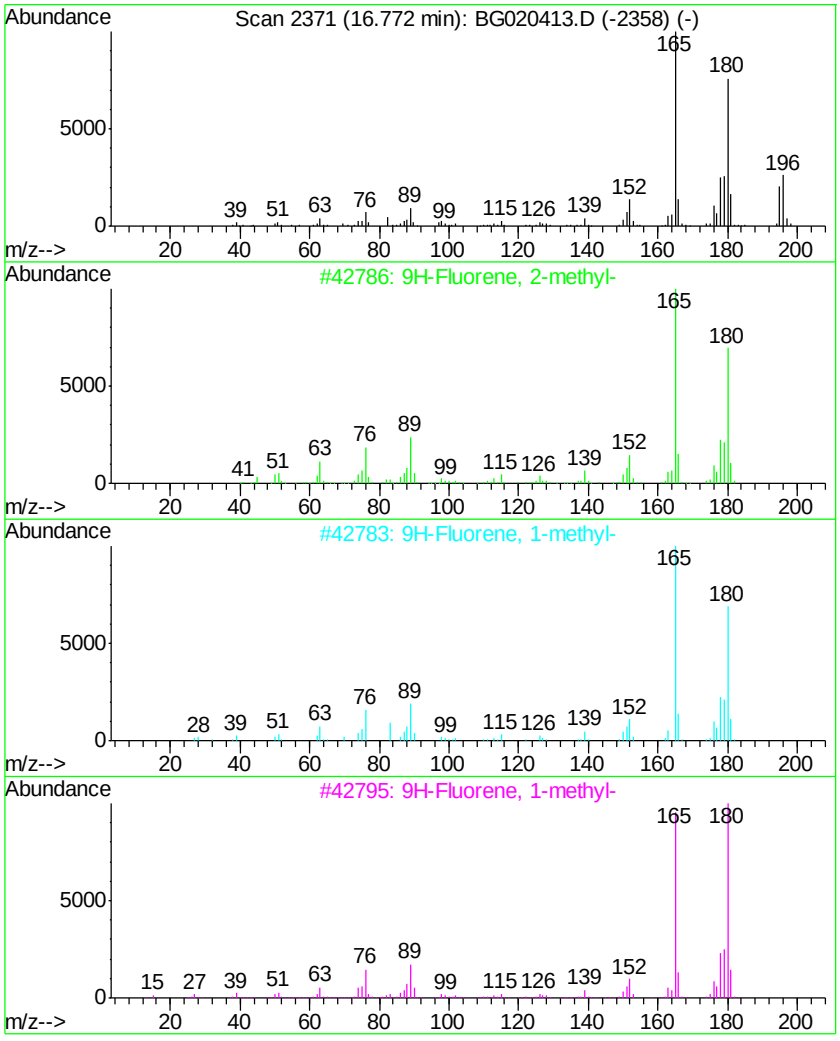
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

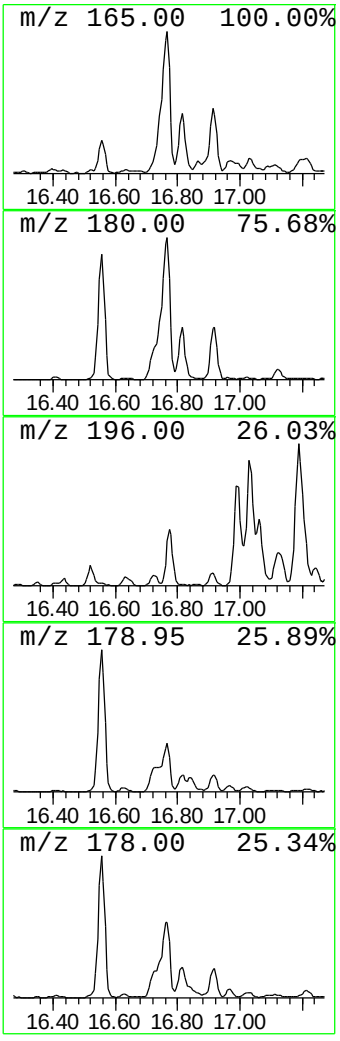
****

Peak Number 22 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	37.71 ng/ul	697880	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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

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

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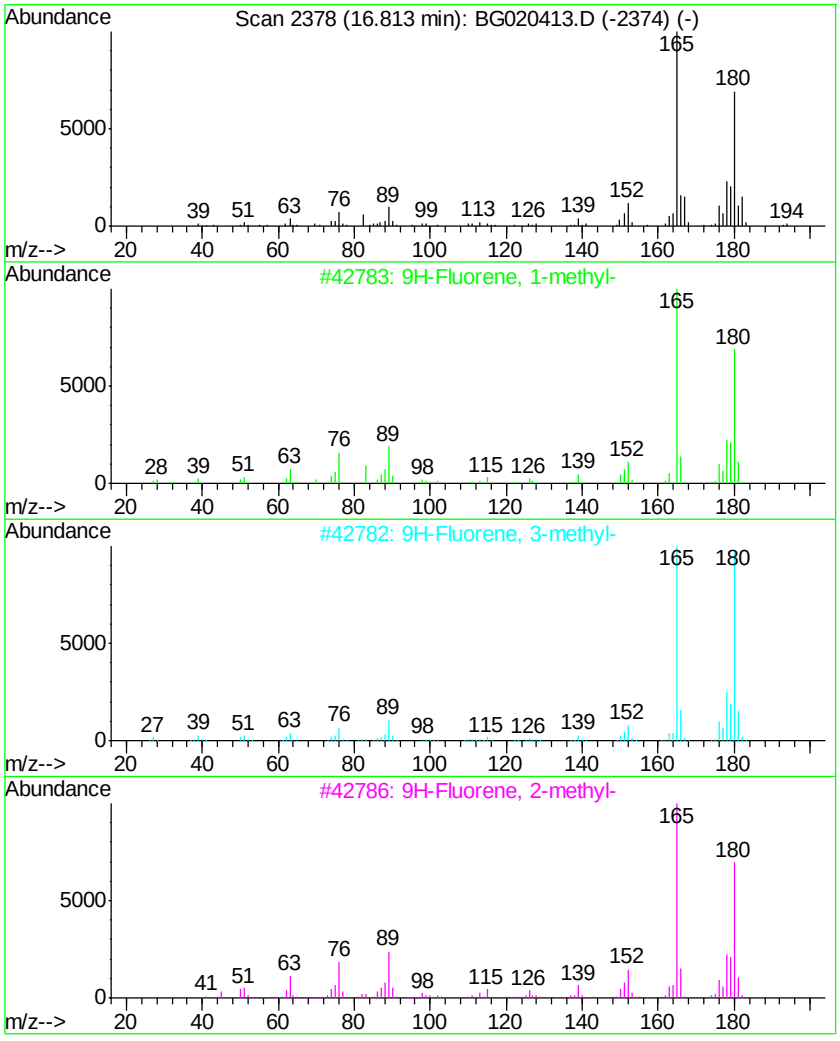
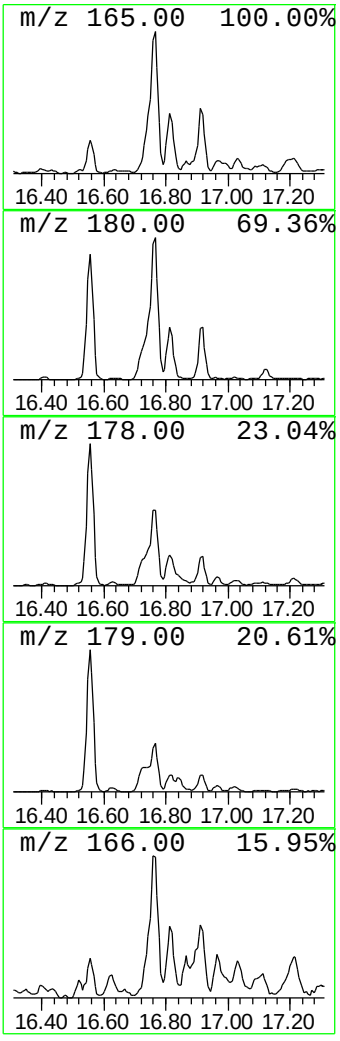
Peak Number 23 9H-Fluorene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	8.06 ng/ul	149166	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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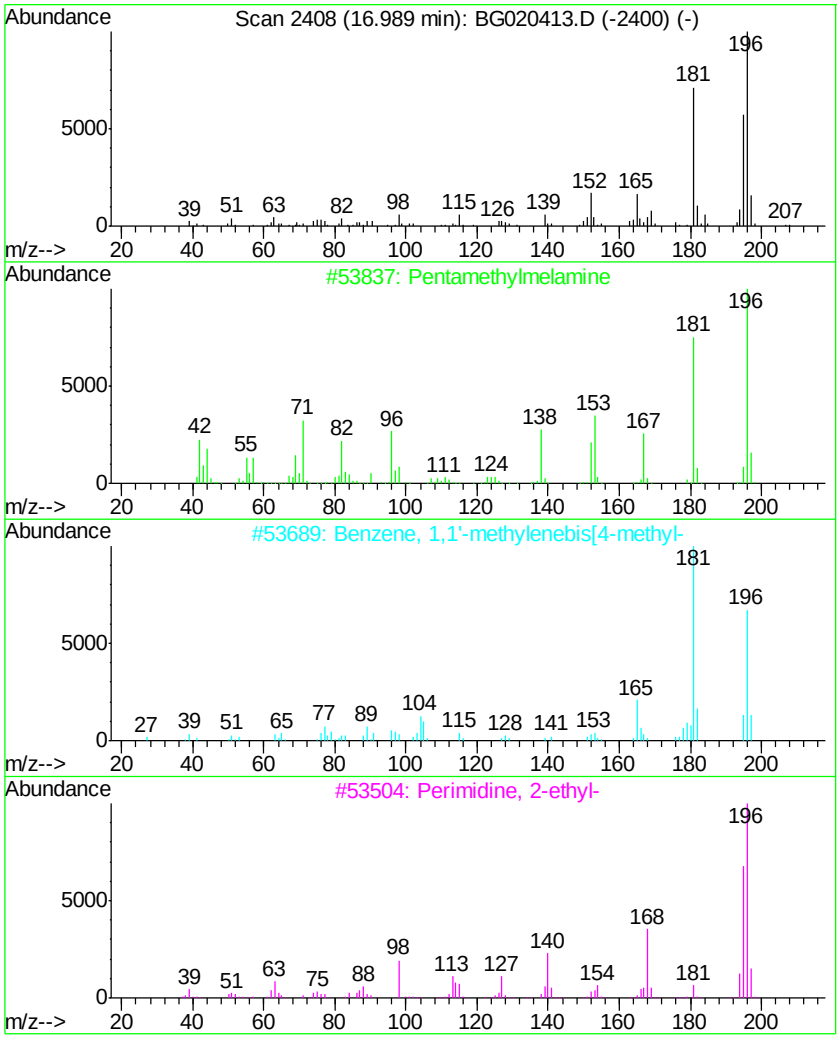
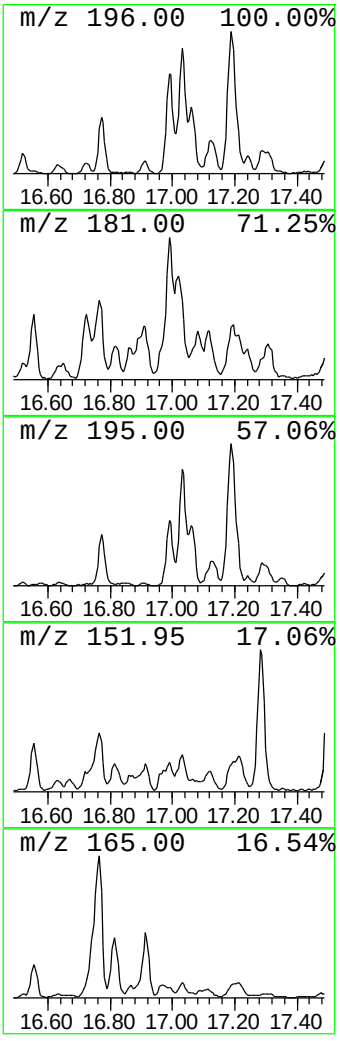
Peak Number 25 Pentamethylmelamine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	13.30 ng/ul	246081	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentamethylmelamine	196	C8H16N6	035832-09-8	58
2	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	58
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	58
4	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	53
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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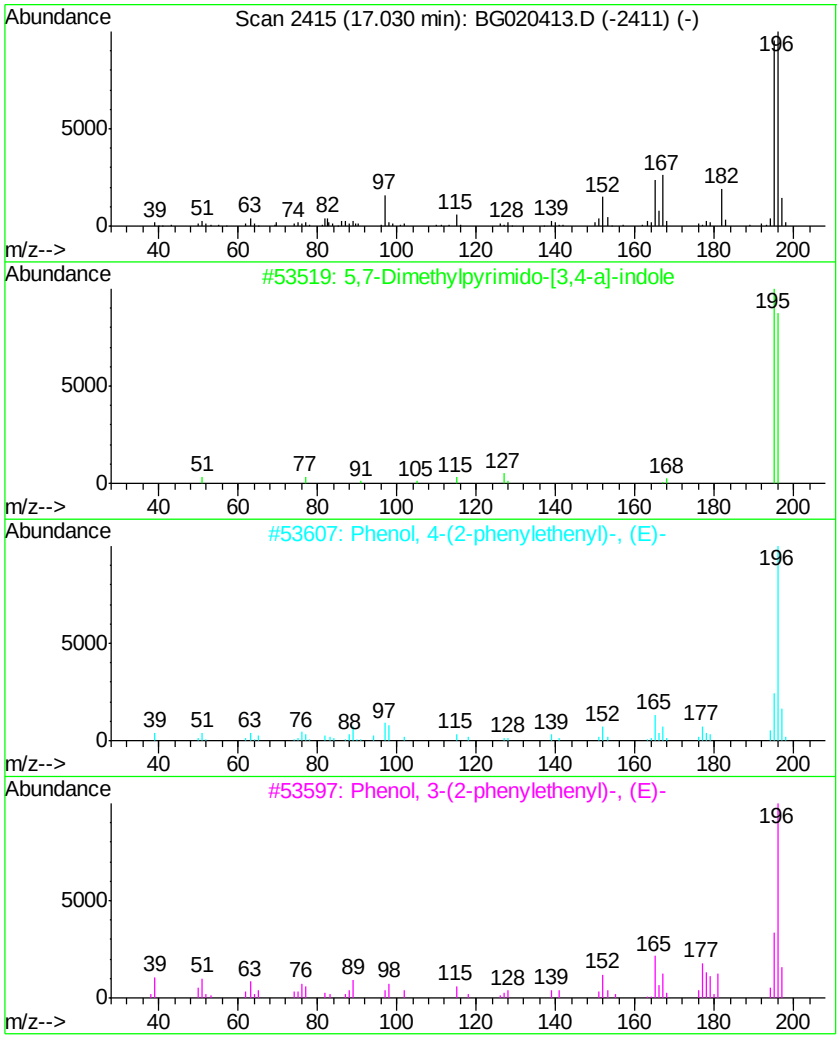
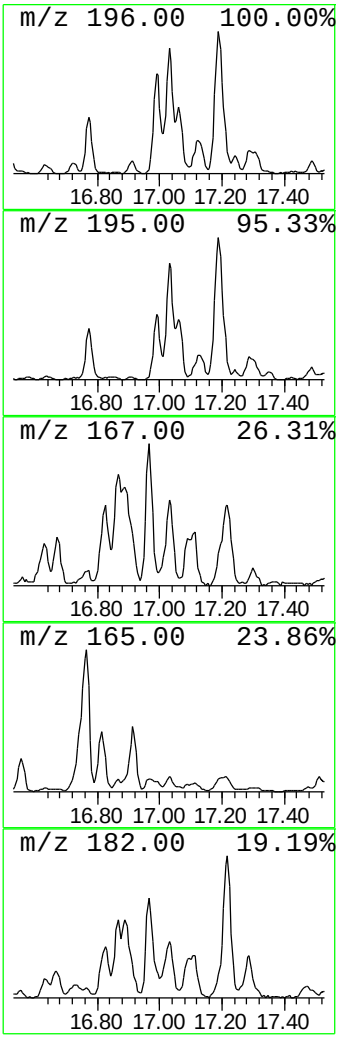
Peak Number 26 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	6.72 ng/ul	124309	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	49
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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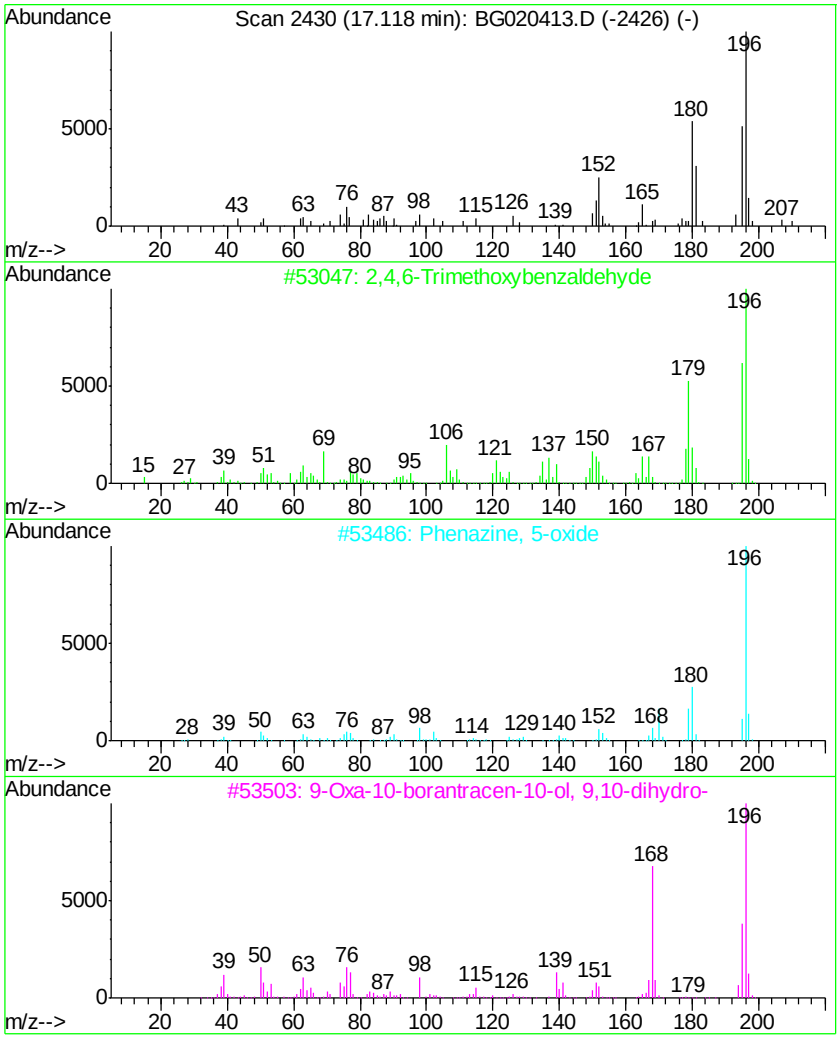
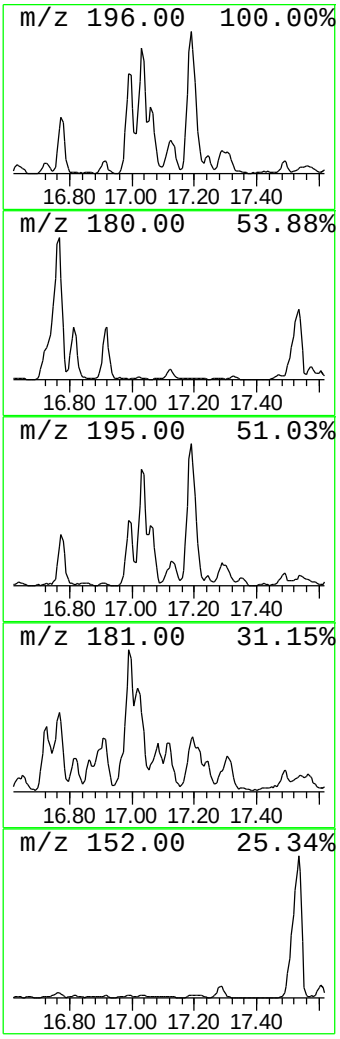
Peak Number 27 2,4,6-Trimethoxybenzaldehyde Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	5.37 ng/ul	99456	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	58
2	Phenazine, 5-oxide	196	C12H8N2O	000304-81-4	43
3	9-Oxa-10-borantracen-10-ol, 9,10...	196	C12H9BO2	019014-28-9	38
4	Benzo[c]cinnoline, 5-oxide	196	C12H8N2O	006141-98-6	35
5	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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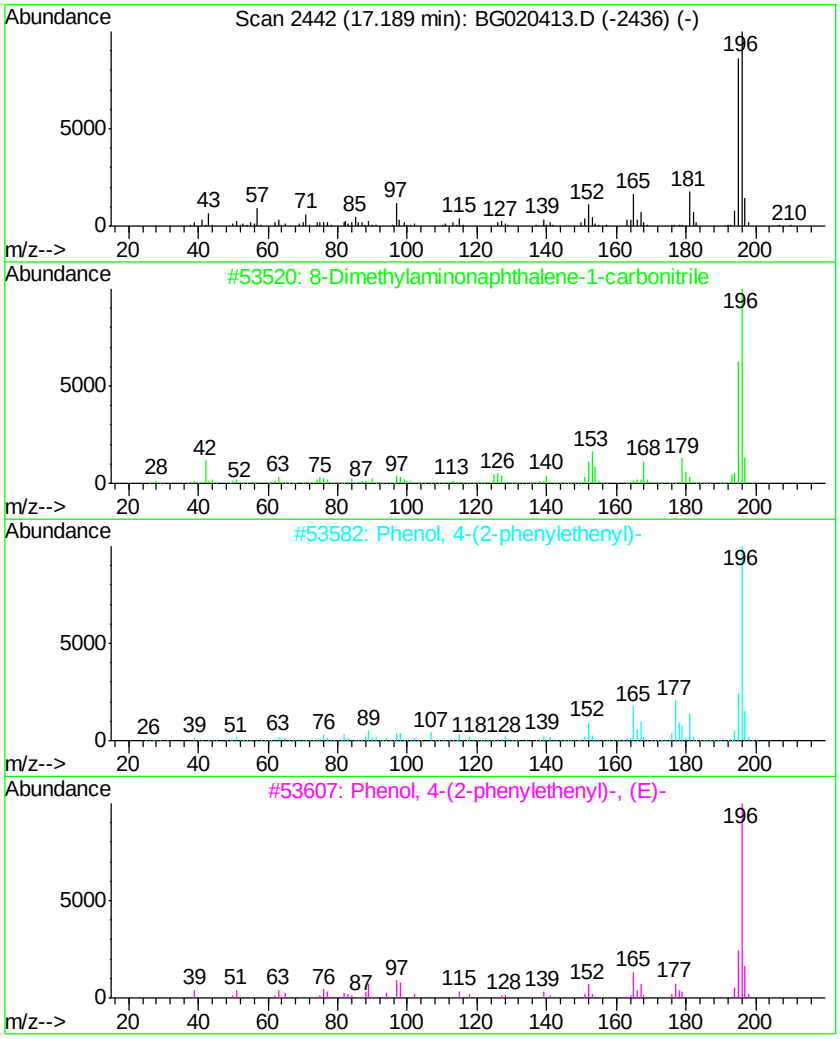
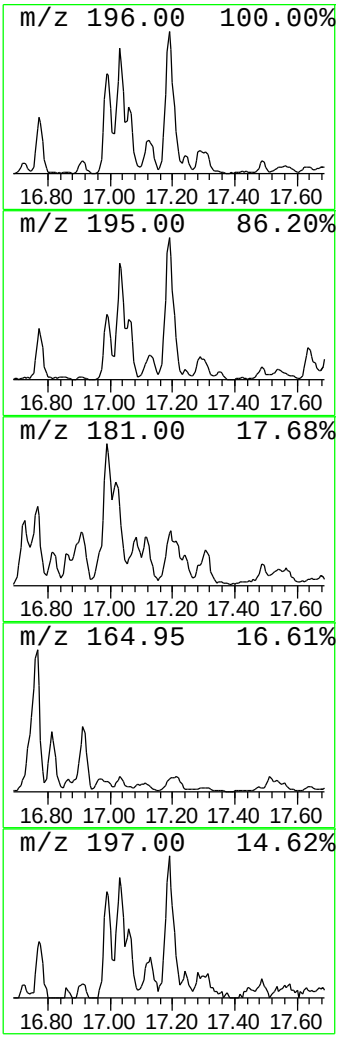
Peak Number 28 8-Dimethylaminonaphthalene-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	22.63 ng/ul	418721	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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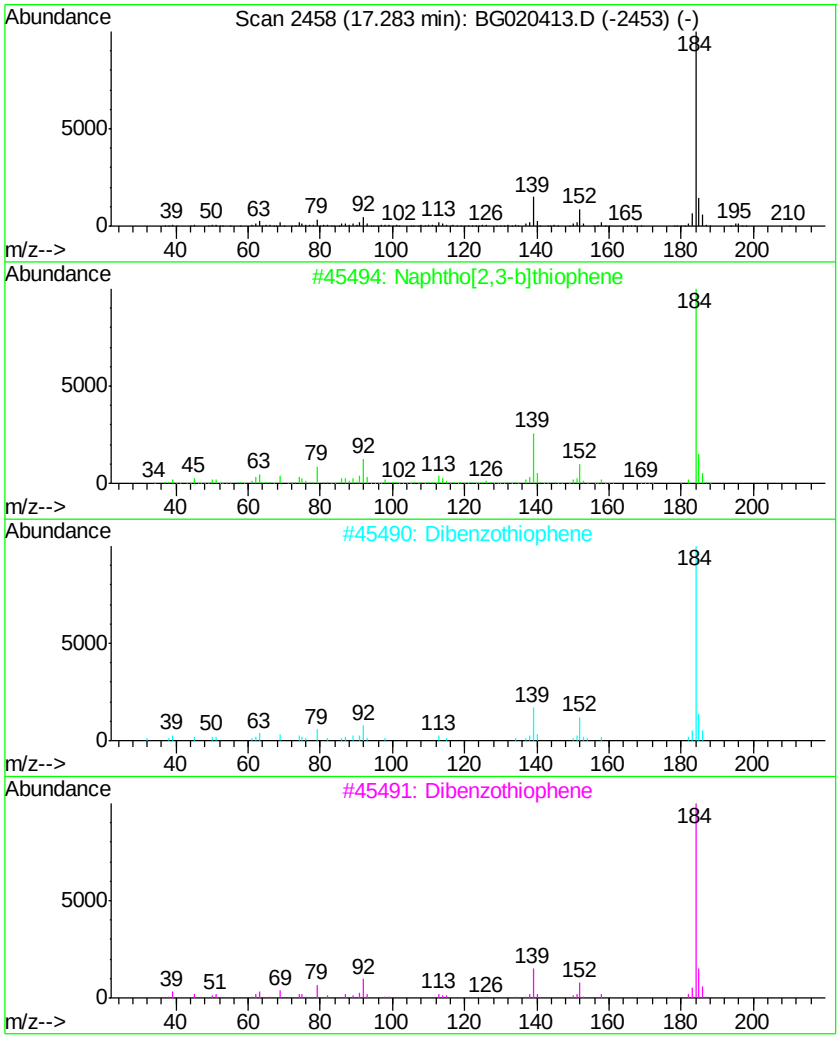
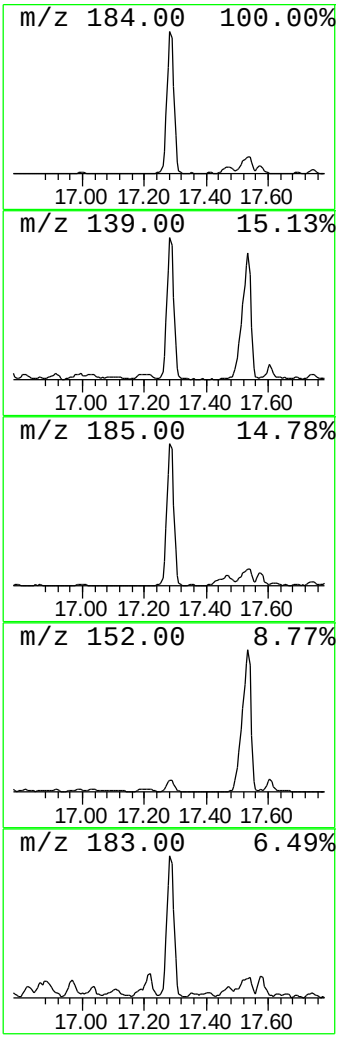
Peak Number 29 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	45.14 ng/ul	835296	Phenanthrene-d10	17.47

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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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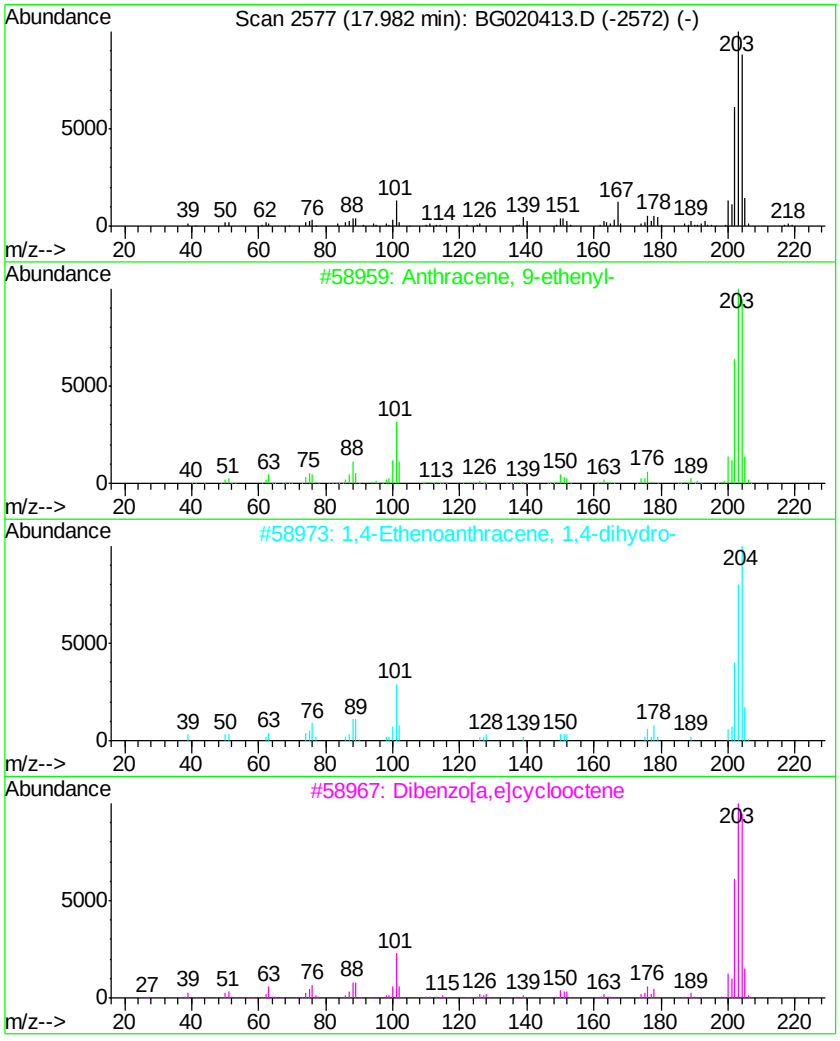
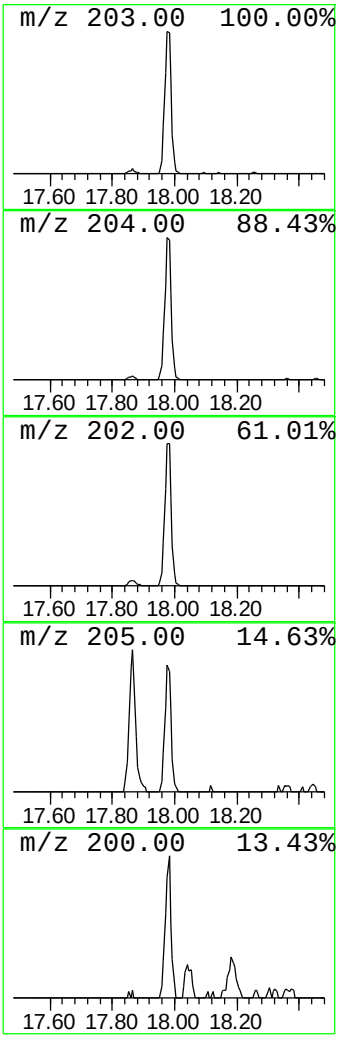
Peak Number 30 Anthracene, 9-ethenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	9.62 ng/ul	177993	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
Operator : UM/SJ
Sample : G4848-08ME
Misc : med level RX
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N54ME

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	8.62	25.2	ng/ul	137752	1	8.09	109221	20.0
3-Phenylbut-1-ene	10.29	10.2	ng/ul	86088	2	10.91	168657	20.0
Naphthalene, 1-me...	12.78	164.7	ng/ul	1388480	2	10.91	168657	20.0
Naphthalene, 1-et...	13.75	29.2	ng/ul	383091	3	14.72	262076	20.0
Naphthalene, 1,6-...	13.89	57.7	ng/ul	756097	3	14.72	262076	20.0
Naphthalene, 2,3-...	14.04	54.3	ng/ul	710872	3	14.72	262076	20.0
2-Naphthalenecarb...	14.85	12.4	ng/ul	162346	3	14.72	262076	20.0
Benzene, [1-(2,4-...	15.03	17.8	ng/ul	232986	3	14.72	262076	20.0
Naphthalene, 2,3,...	15.19	11.8	ng/ul	154102	3	14.72	262076	20.0
Naphthalene, 1,6,...	15.33	10.0	ng/ul	130979	3	14.72	262076	20.0
Naphthalene, 1,4,...	15.38	10.2	ng/ul	133646	3	14.72	262076	20.0
unknown-01	15.54	6.9	ng/ul	90419	3	14.72	262076	20.0
Nordiphenamid	15.93	45.3	ng/ul	593735	3	14.72	262076	20.0
Diphenylmethane	16.01	23.3	ng/ul	305254	3	14.72	262076	20.0
2,4,6-Cycloheptat...	16.30	6.3	ng/ul	117070	4	17.47	370100	20.0
Anthracene, 9,10-...	16.55	19.5	ng/ul	360219	4	17.47	370100	20.0
9H-Fluorene, 2-me...	16.77	37.7	ng/ul	697880	4	17.47	370100	20.0
9H-Fluorene, 1-me...	16.81	8.1	ng/ul	149166	4	17.47	370100	20.0
Pentamethylmelamine	16.99	13.3	ng/ul	246081	4	17.47	370100	20.0
unknown-02	17.03	6.7	ng/ul	124309	4	17.47	370100	20.0
2,4,6-Trimethoxyb...	17.12	5.4	ng/ul	99456	4	17.47	370100	20.0
8-Dimethylaminona...	17.19	22.6	ng/ul	418721	4	17.47	370100	20.0
Naphtho[2,3-b]thi...	17.28	45.1	ng/ul	835296	4	17.47	370100	20.0
Anthracene, 9-eth...	17.98	9.6	ng/ul	177993	4	17.47	370100	20.0