LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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	7.232	740	748	755	rBV	60011	114741	4.09%	0.259%
2	7.608	805	812	820	rBB	64631	110341	3.93%	0.249%
3	8.078	880	892	901	rBB	66186	116941	4.17%	0.264%
4	9.247	1085	1091	1103	rVB	69599	127034	4.53%	0.286%
5	9.970	1208	1214	1225	rVV	63511	125078	4.46%	0.282%
6	10.511	1301	1306	1314	rVV	86553	157717	5.62%	0.356%
7	10.892	1356	1371	1375	rBV	104231	209633	7.47%	0.473%
8	10.945	1375	1380	1387	rVB	122707	213904	7.63%	0.482%
9	12.767	1680	1690	1699	rBV	296140	516259	18.41%	1.164%
10	13.742	1850	1856	1866	rVB5	41636	131888	4.70%	0.297%
11	13.871	1869	1878	1888	rBV	223833	584329	20.83%	1.317%
12	14.036	1899	1906	1911	rVB	303134	523124	18.65%	1.179%
13	14.112	1911	1919	1924	rBV	175926	300264	10.71%	0.677%
14	14.159	1924	1927	1935	rVB3	70520	119033	4.24%	0.268%
15	14.271	1940	1946	1950	rBV	161108	273144	9.74%	0.616%
16	14.406	1963	1969	1972	rBV	221833	382816	13.65%	0.863%
17	14.712	2017	2021	2027	rVV3	180993	309751	11.04%	0.698%
18	14.776	2027	2032	2038	rVV	204741	357682	12.75%	0.806%
19	14.917	2050	2056	2064	rVB	143707	328578	11.72%	0.741%
20	15.105	2080	2088	2095	rVV2	229676	461186	16.44%	1.040%
21	15.182	2095	2101	2108	rVB	268093	384838	13.72%	0.867%
22	15.323	2117	2125	2130	rBV4	204878	495317	17.66%	1.116%
23	15.375	2130	2134	2138	rVV	151632	225609	8.04%	0.509%
24	15.493	2146	2154	2158	rBV4	110058	263563	9.40%	0.594%
25	15.581	2165	2169	2174	rBV2	91347	140438	5.01%	0.317%
26	15.704	2186	2190	2195	rVB	345018	475786	16.96%	1.072%
27	15.757	2195	2199	2209	rVB3	175294	429440	15.31%	0.968%
28	15.845	2209	2214	2218	rBV5	82777	181285	6.46%	0.409%
29	15.963	2231	2234	2240	rVB2	71623	113912	4.06%	0.257%
30	16.045	2241	2248	2255	rVB3	72837	190927	6.81%	0.430%
31	16.169	2264	2269	2271	rBV2	77183	119827	4.27%	0.270%
32	16.198	2271	2274	2281	rVB	85352	143995	5.13%	0.325%
33	16.427	2304	2313	2318	rBV4	154531	292139	10.42%	0.659%
34	16.762	2362	2370	2375	rVV5	181387	461350	16.45%	1.040%

LSC Area Percent Report

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Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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	16.815	2375	2379	2383	rVV2	189932	290534	10.36%	0.655%
36	16.909	2391	2395	2400	rVB	149898	230807	8.23%	0.520%
37	16.991	2400	2409	2411	rBV3	63983	155430	5.54%	0.350%
38	17.026	2413	2415	2422	rVV2	79357	134695	4.80%	0.304%
39	17.115	2426	2430	2436	rVV3	77100	132038	4.71%	0.298%
40	17.279	2453	2458	2464	rVB2	105514	177111	6.32%	0.399%
41	17.461	2483	2489	2492	rBV	224590	359301	12.81%	0.810%
42	17.502	2492	2496	2501	rVV	834956	1268212	45.22%	2.859%
43	17.561	2501	2506	2509	rVV	297763	470028	16.76%	1.059%
44	17.596	2509	2512	2516	rVV	285953	370037	13.19%	0.834%
45	17.649	2516	2521	2526	rVB2	102401	210022	7.49%	0.473%
46	17.878	2554	2560	2565	rBV4	57570	156955	5.60%	0.354%
47	18.043	2583	2588	2593	rVB	204812	314508	11.21%	0.709%
48	18.184	2607	2612	2618	rVB	113413	214215	7.64%	0.483%
49	18.337	2632	2638	2642	rVV	604964	919479	32.79%	2.073%
50	18.390	2642	2647	2652	rVV	736641	1108764	39.53%	2.499%
51	18.466	2655	2660	2665	rVV	293749	440948	15.72%	0.994%
52	18.531	2665	2671	2675	rVV2	894042	1789002	63.79%	4.033%
53	18.572	2675	2678	2685	rVB	560465	736967	26.28%	1.661%
54	18.730	2701	2705	2709	rVB	90159	119150	4.25%	0.269%
55	18.824	2717	2721	2726	rVV2	287933	436320	15.56%	0.984%
56	18.883	2726	2731	2739	rVB2	116512	257807	9.19%	0.581%
57	19.071	2755	2763	2767	rBV3	171958	364544	13.00%	0.822%
58	19.124	2768	2772	2775	rVV	206185	280025	9.98%	0.631%
59	19.159	2775	2778	2783	rVB2	135564	182713	6.51%	0.412%
60	19.247	2787	2793	2797	rBV2	639061	1047831	37.36%	2.362%
61	19.306	2797	2803	2806	rVV2	318620	761363	27.15%	1.716%
62	19.336	2806	2808	2812	rVV	274389	322269	11.49%	0.726%
63	19.400	2812	2819	2830	rVB4	199365	720163	25.68%	1.623%
64	19.512	2832	2838	2843	rBV	1055566	1657134	59.09%	3.735%
65	19.565	2843	2847	2851	rBV	110514	140295	5.00%	0.316%
66	19.606	2851	2854	2858	rVB	133003	170438	6.08%	0.384%
67	19.659	2858	2863	2867	rBV	342070	504892	18.00%	1.138%
68	19.776	2881	2883	2889	rVB	105498	139735	4.98%	0.315%
69	19.847	2889	2895	2896	rBV2	497666	625174	22.29%	1.409%
70	19.882	2896	2901	2907	rVB	1846348	2804555	100.00%	6.322%
71	19.941	2907	2911	2916	rVB	166534	247583	8.83%	0.558%

LSC Area Percent Report

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Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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	20.029	2916	2926	2929	rBV4	118420	299205	10.67%	0.674%
73	20.099	2934	2938	2944	rVB	102948	171828	6.13%	0.387%
74	20.193	2948	2954	2961	rVB	261906	610535	21.77%	1.376%
75	20.358	2971	2982	2990	rVB	511834	1332437	47.51%	3.003%
76	20.464	2995	3000	3004	rVV	330012	452684	16.14%	1.020%
77	20.522	3005	3010	3014	rVV	404056	522720	18.64%	1.178%
78	20.657	3029	3033	3037	rVV	395746	566344	20.19%	1.277%
79	20.704	3037	3041	3050	rVB	433321	662643	23.63%	1.494%
80	20.957	3080	3084	3086	rBV2	78757	118075	4.21%	0.266%
81	21.086	3100	3106	3110	rBV2	85756	222045	7.92%	0.501%
82	21.274	3134	3138	3141	rVV3	73068	123323	4.40%	0.278%
83	21.316	3141	3145	3148	rVV	128592	212595	7.58%	0.479%
84	21.351	3148	3151	3156	rVB	180704	274399	9.78%	0.619%
85	21.404	3156	3160	3164	rBV2	87457	145131	5.17%	0.327%
86	21.721	3208	3214	3221	rBV2	753145	1899995	67.75%	4.283%
87	21.786	3221	3225	3237	rVB	646027	1179254	42.05%	2.658%
88	21.938	3248	3251	3257	rBV3	58123	107187	3.82%	0.242%
89	22.009	3258	3263	3279	rVB	272433	536731	19.14%	1.210%
90	22.397	3325	3329	3333	rBV	69229	127214	4.54%	0.287%
91	22.479	3334	3343	3349	rVV	275963	753227	26.86%	1.698%
92	22.549	3351	3355	3364	rVB2	146638	308113	10.99%	0.695%
93	22.755	3386	3390	3394	rBV2	71598	122829	4.38%	0.277%
94	23.977	3590	3598	3606	rBV	214801	771532	27.51%	1.739%
95	24.236	3636	3642	3651	rVB	71865	193907	6.91%	0.437%
96	24.712	3714	3723	3730	rBV2	201008	575641	20.53%	1.298%
97	24.788	3730	3736	3742	rVV	209224	594508	21.20%	1.340%
98	24.864	3742	3749	3760	rVB	392151	1087808	38.79%	2.452%
99	25.011	3767	3774	3783	rVB	124276	312255	11.13%	0.704%
100	28.760	4404	4412	4431	rVB3	92328	436489	15.56%	0.984%

Sum of corrected areas: 44363567

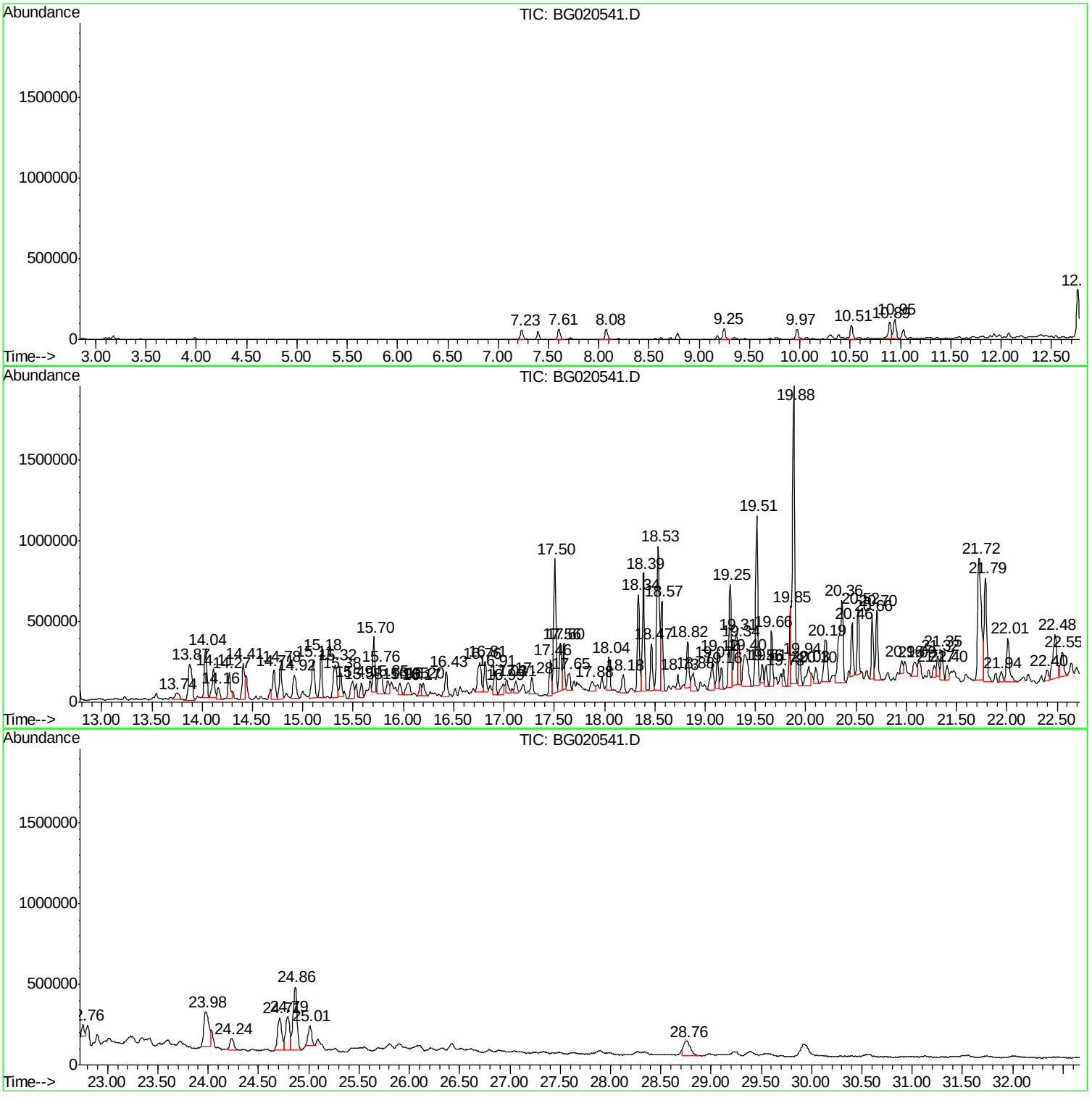
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

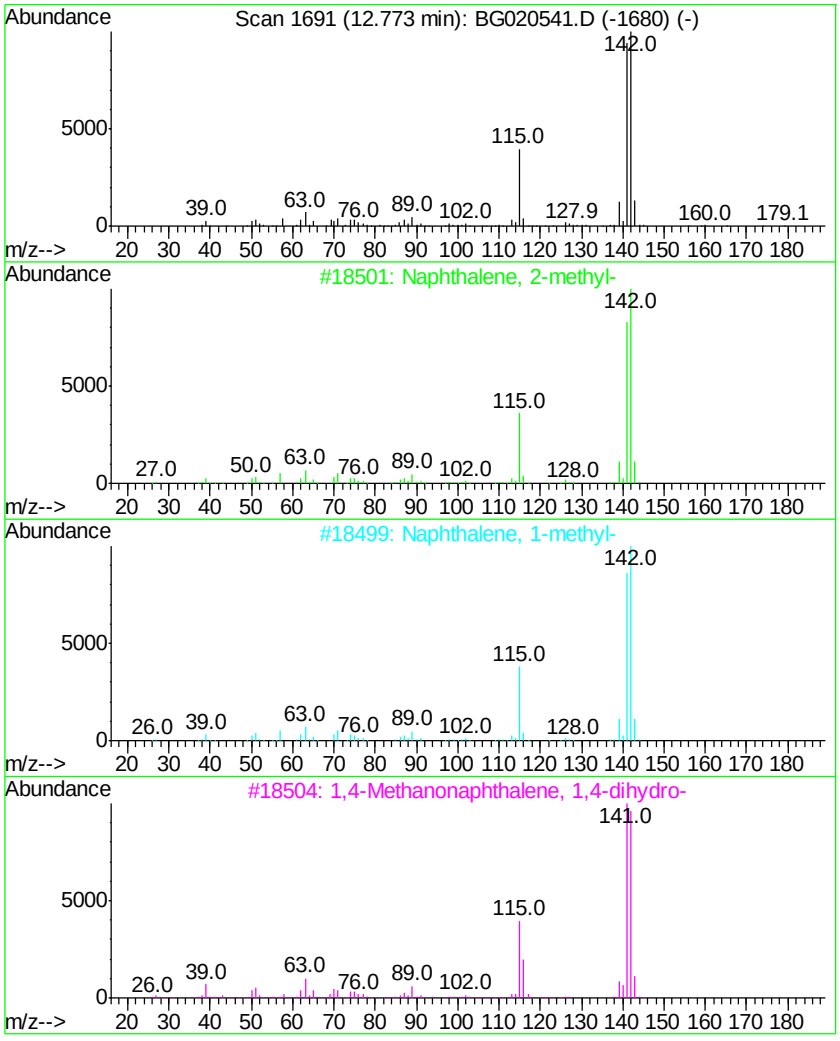
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

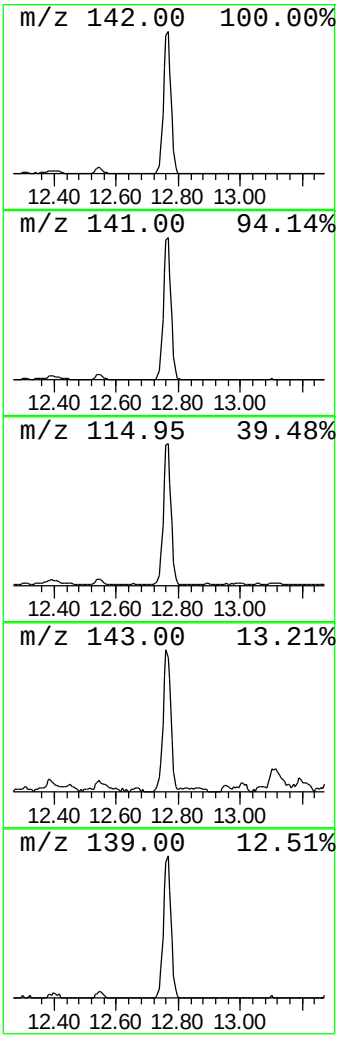
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	49.25 ng/ul	516259	Naphthalene-d8	10.89

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

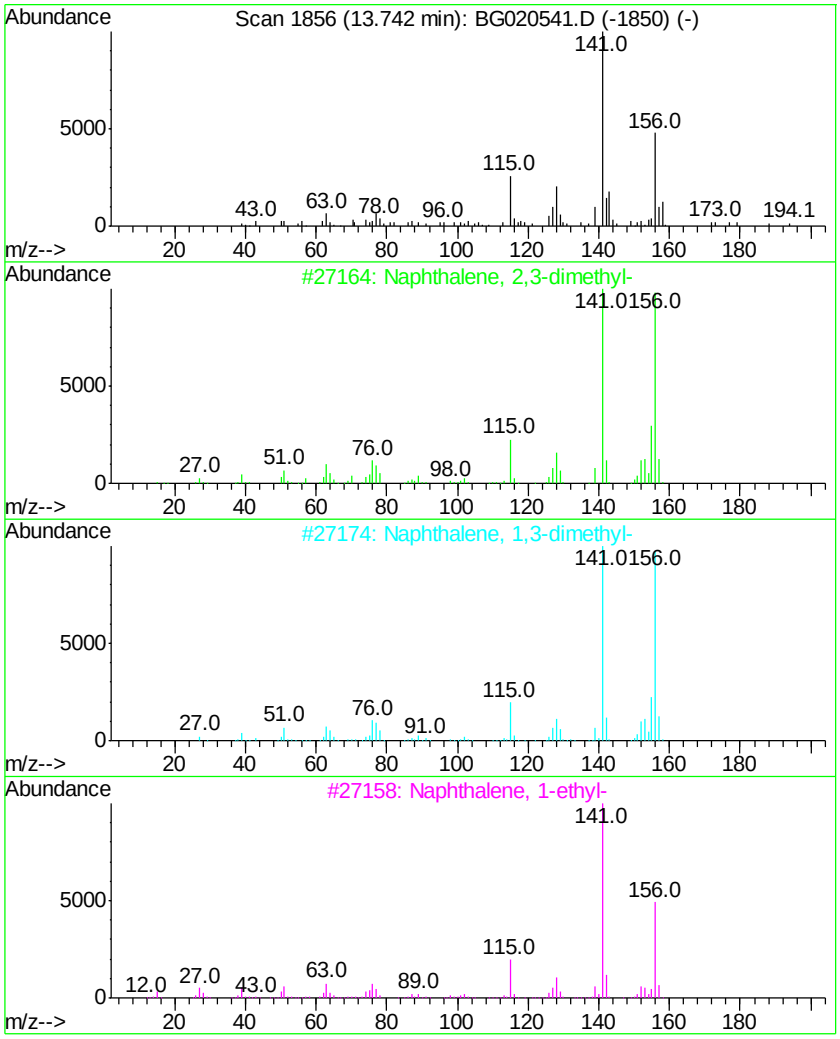
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

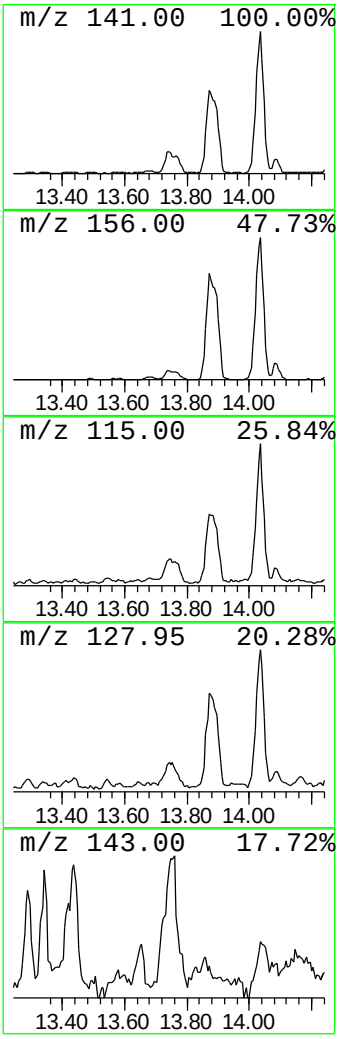
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	8.52 ng/ul	131888	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	87
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	87
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	83
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

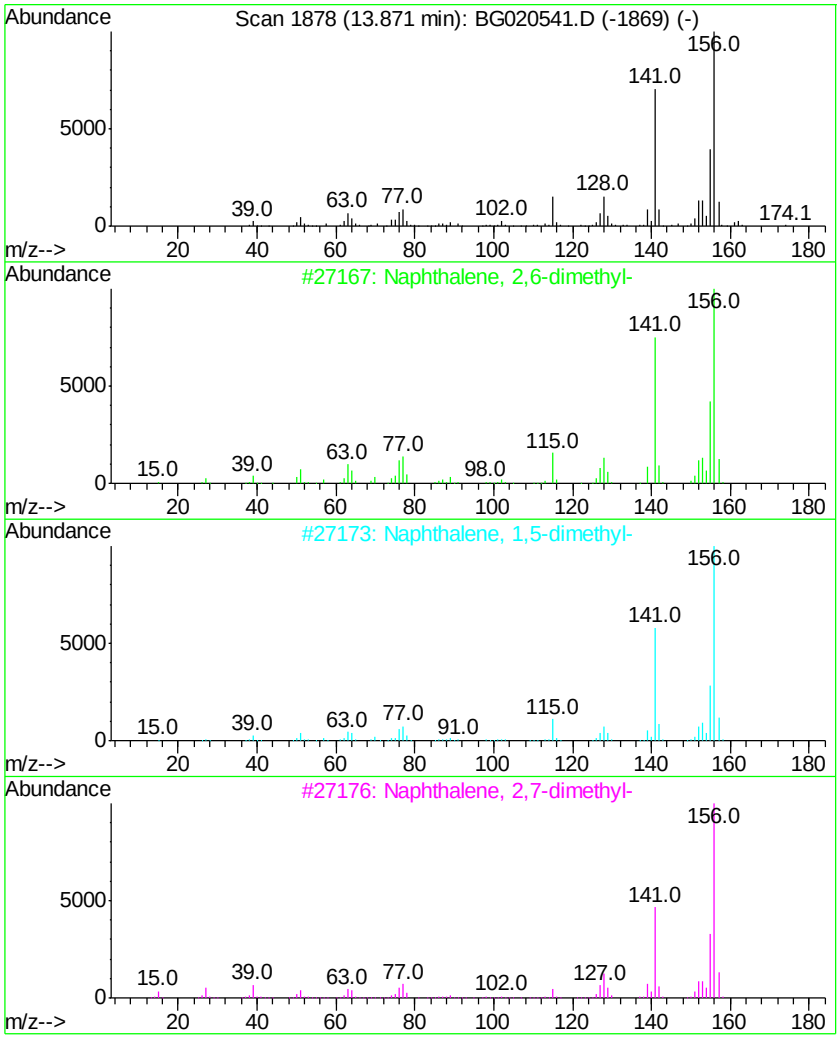
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

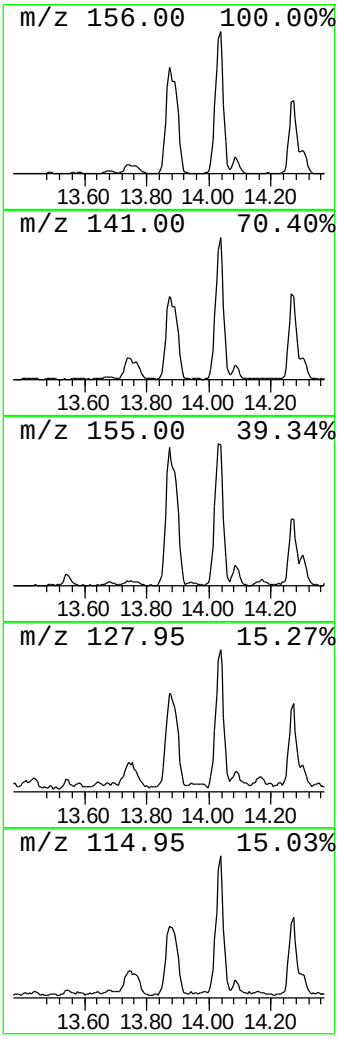
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	37.73 ng/ul	584329	Acenaphthene-d10	14.71

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

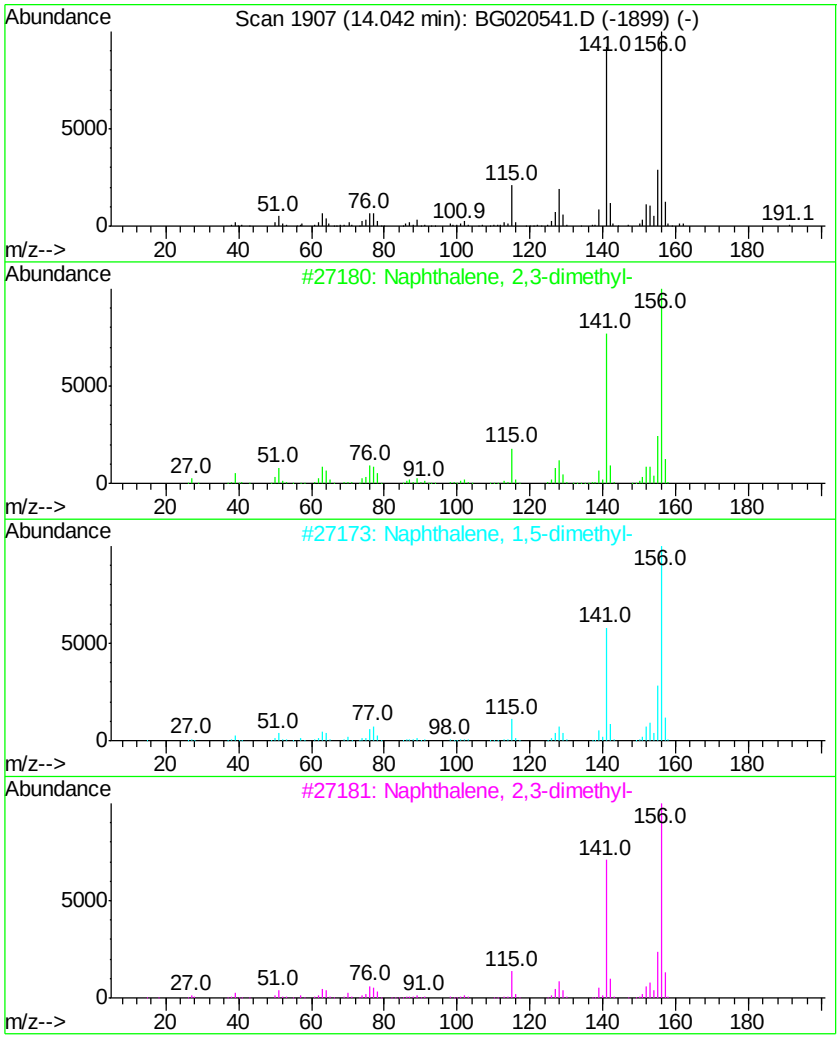
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

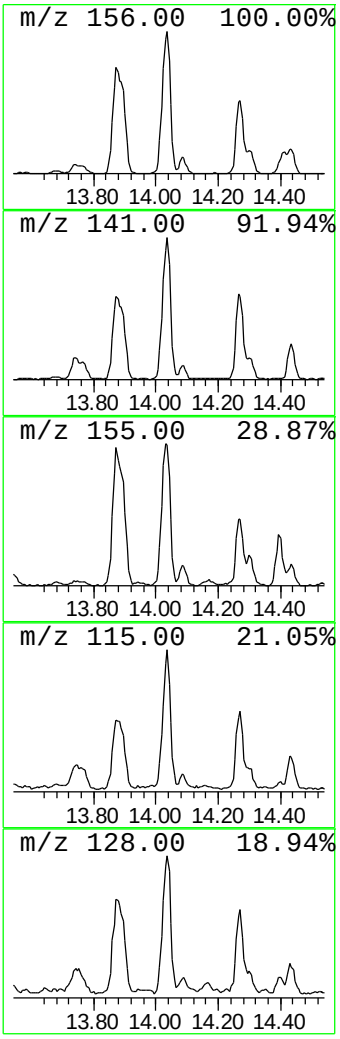
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	33.78 ng/ul	523124	Acenaphthene-d10	14.71

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

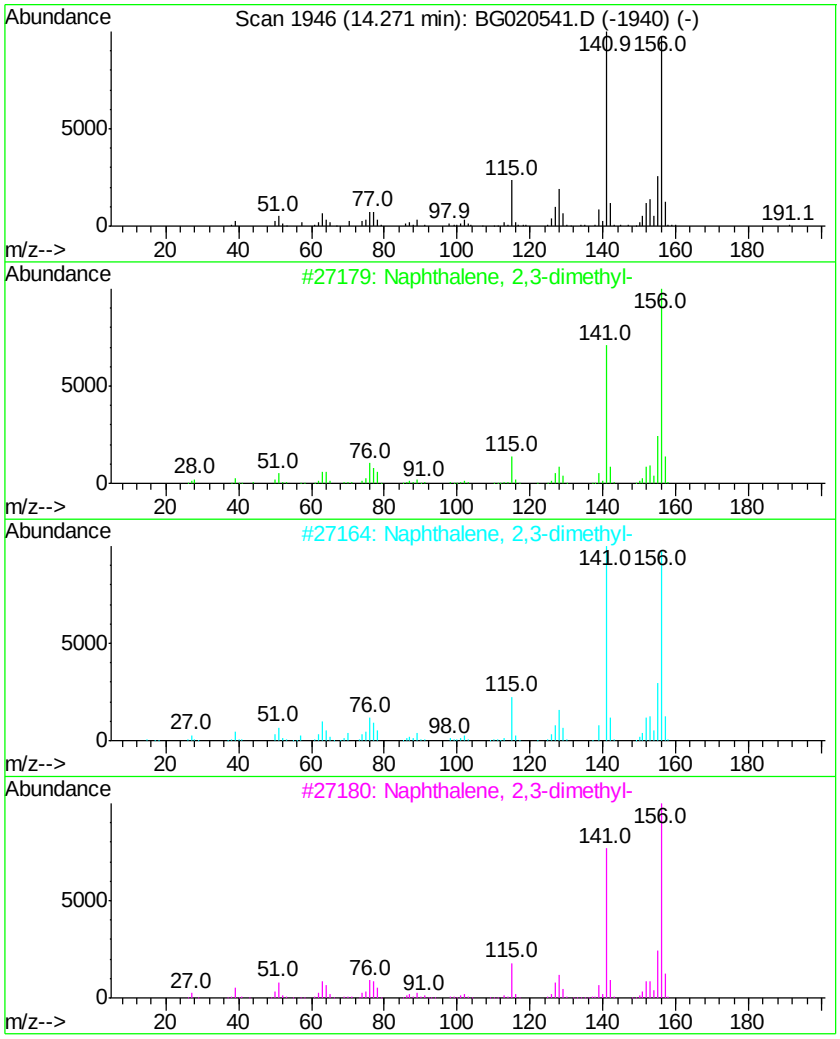
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

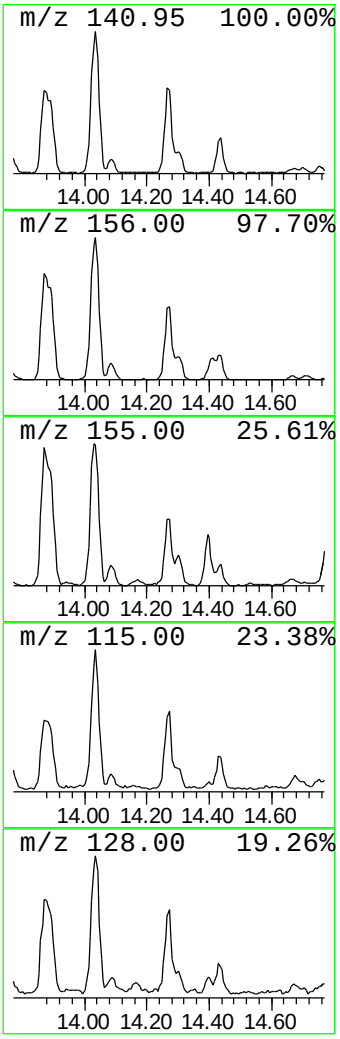
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	17.64 ng/ul	273144	Acenaphthene-d10	14.71

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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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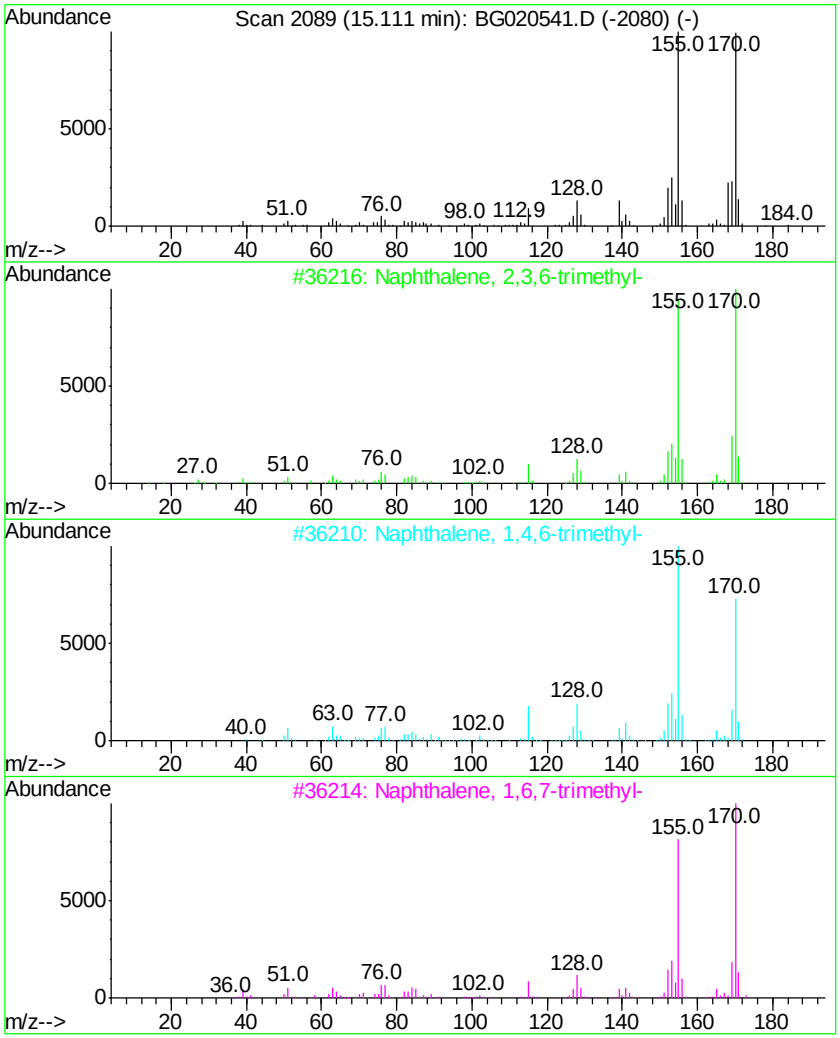
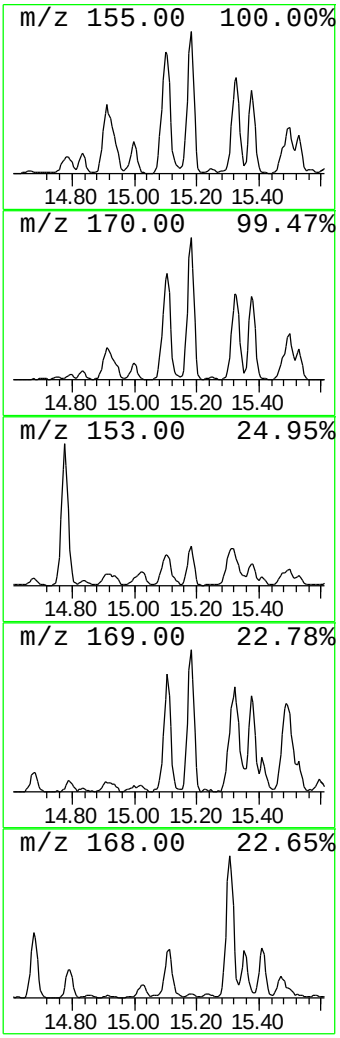
Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	29.78 ng/ul	461186	Acenaphthene-d10	14.71

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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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Quant Title : SVOA CALIBRATION

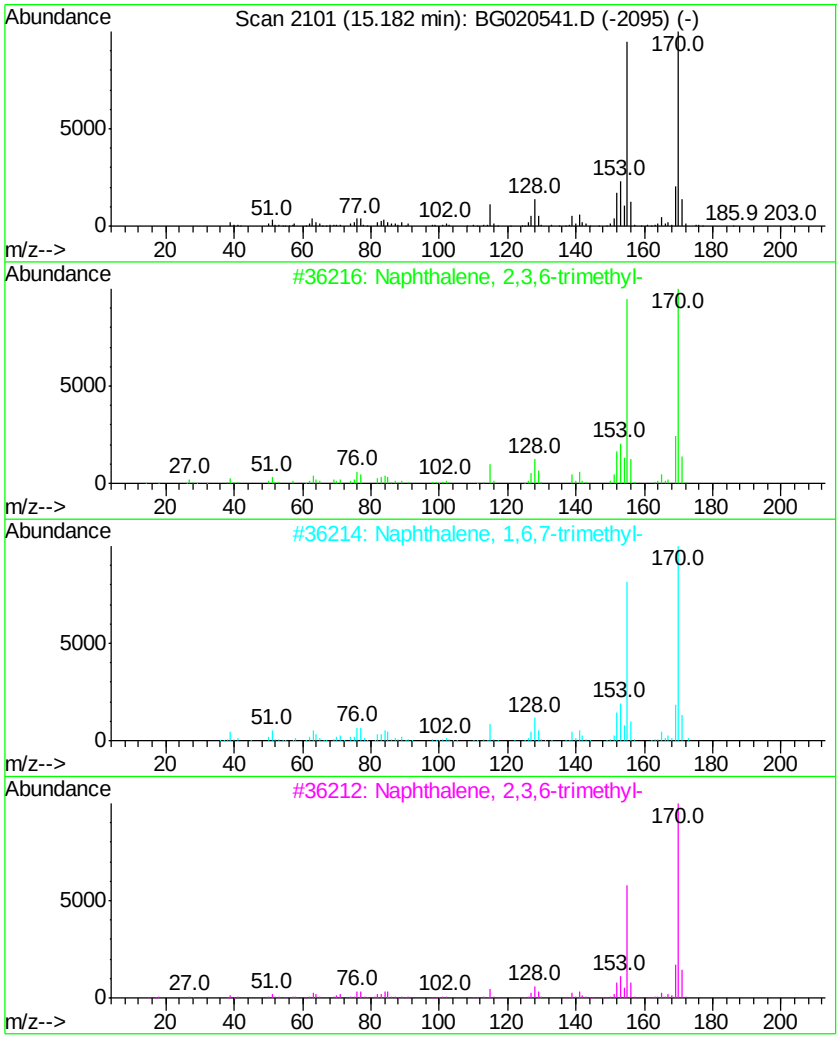
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

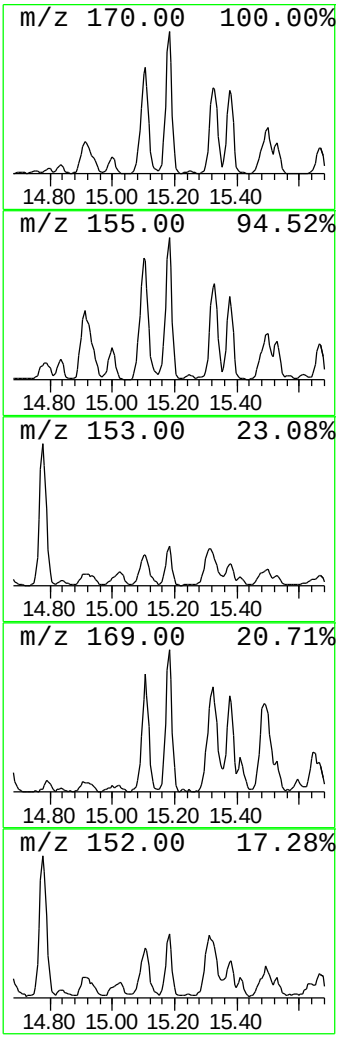
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	24.85 ng/ul	384838	Acenaphthene-d10	14.71

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	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Library Search Compound Report

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Sample : G4802-20
Misc :
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Instrument : BNA_G
ClientSampleId : G9D95

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Quant Title : SVOA CALIBRATION

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

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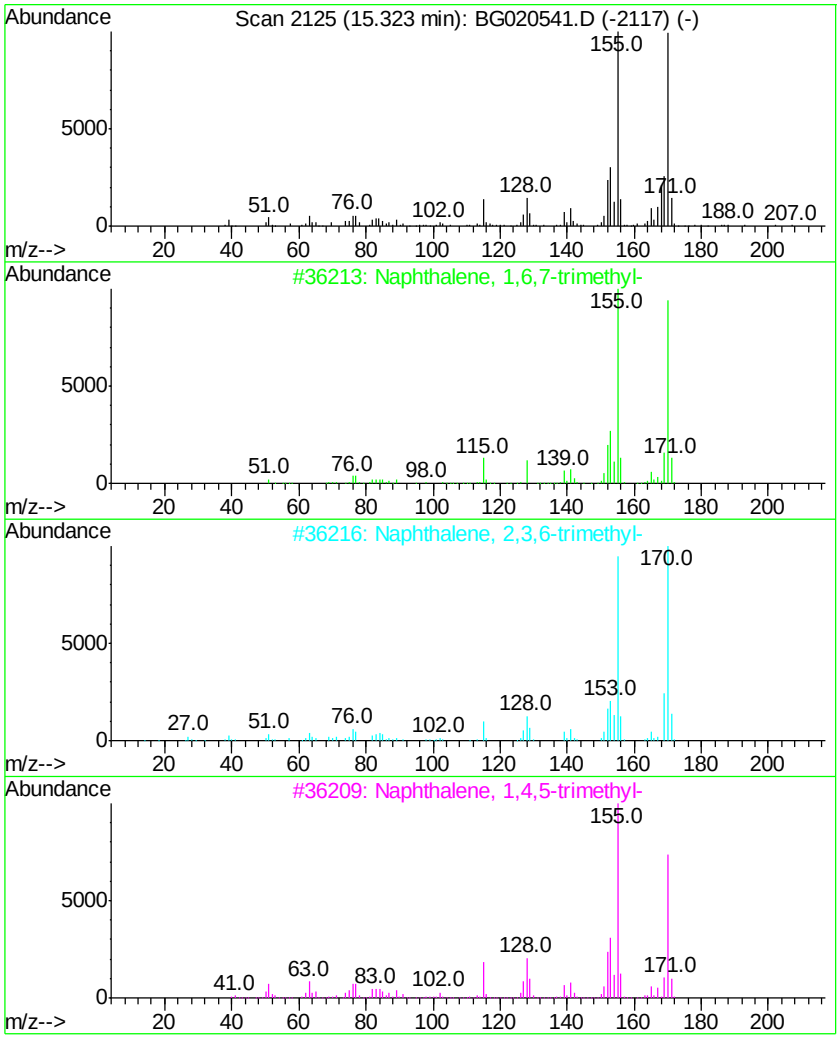
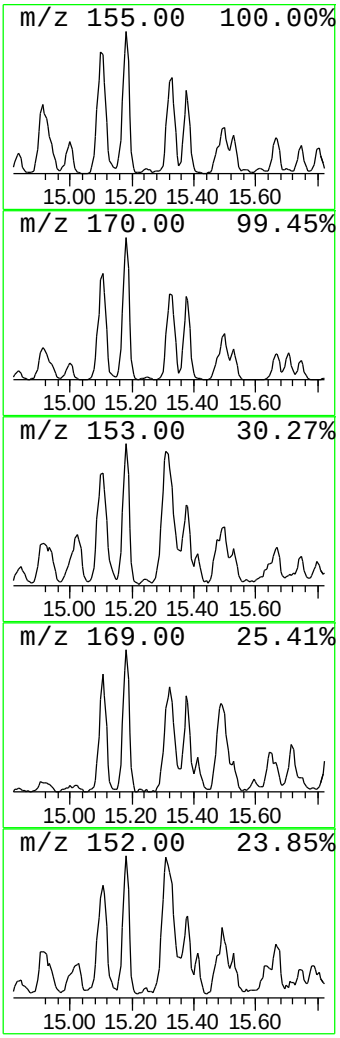
Peak Number 8 Naphthalene, 1,4,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	31.98 ng/ul	495317	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





Library Search Compound Report

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Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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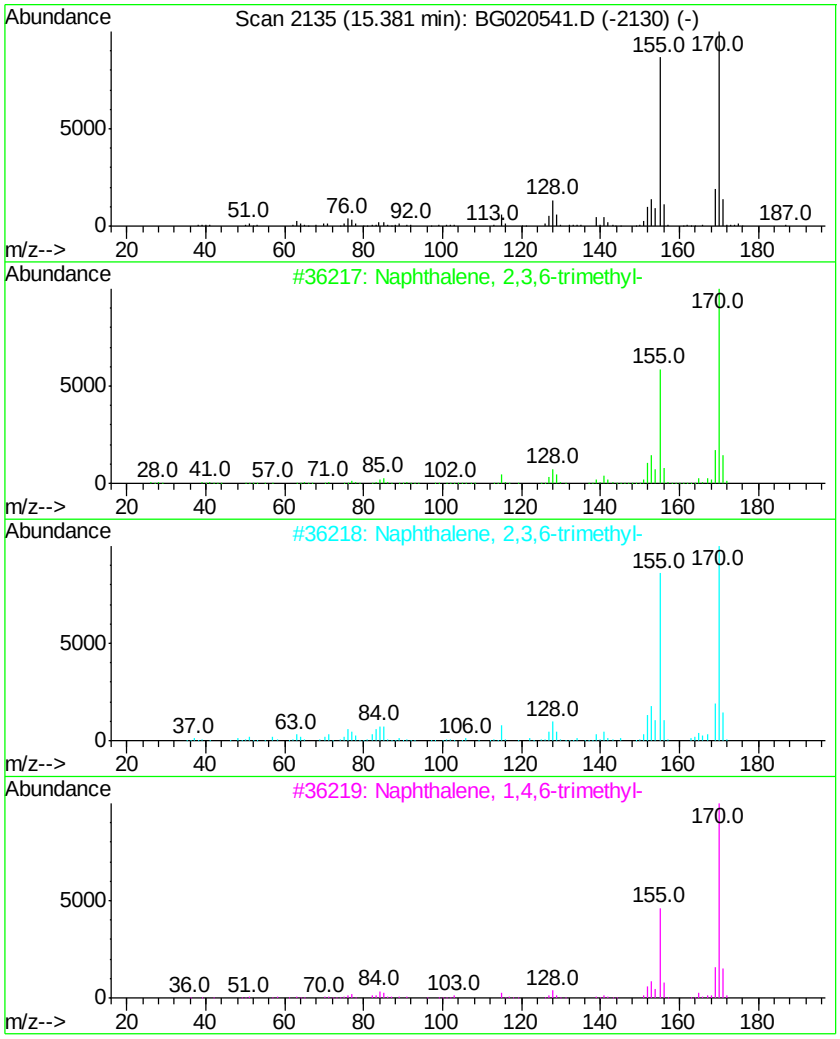
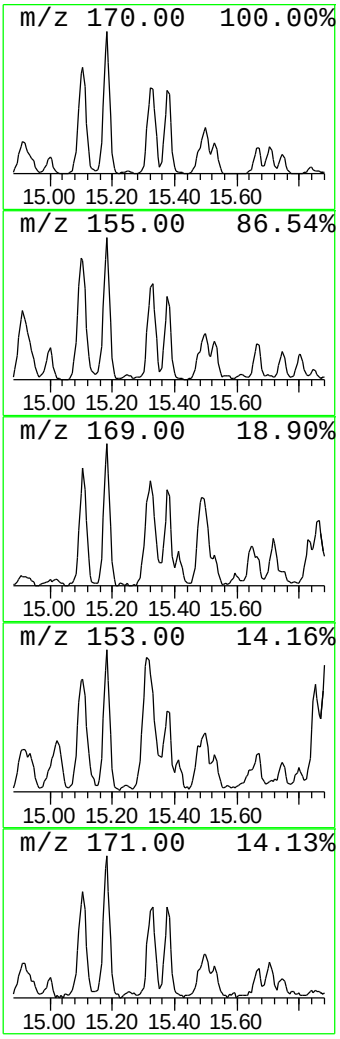
Peak Number 9 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	14.57 ng/ul	225609	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87





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Acq On : 26 Dec 2015 15:29
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Sample : G4802-20
Misc :
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Instrument : BNA_G
ClientSampleId : G9D95

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Quant Title : SVOA CALIBRATION

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

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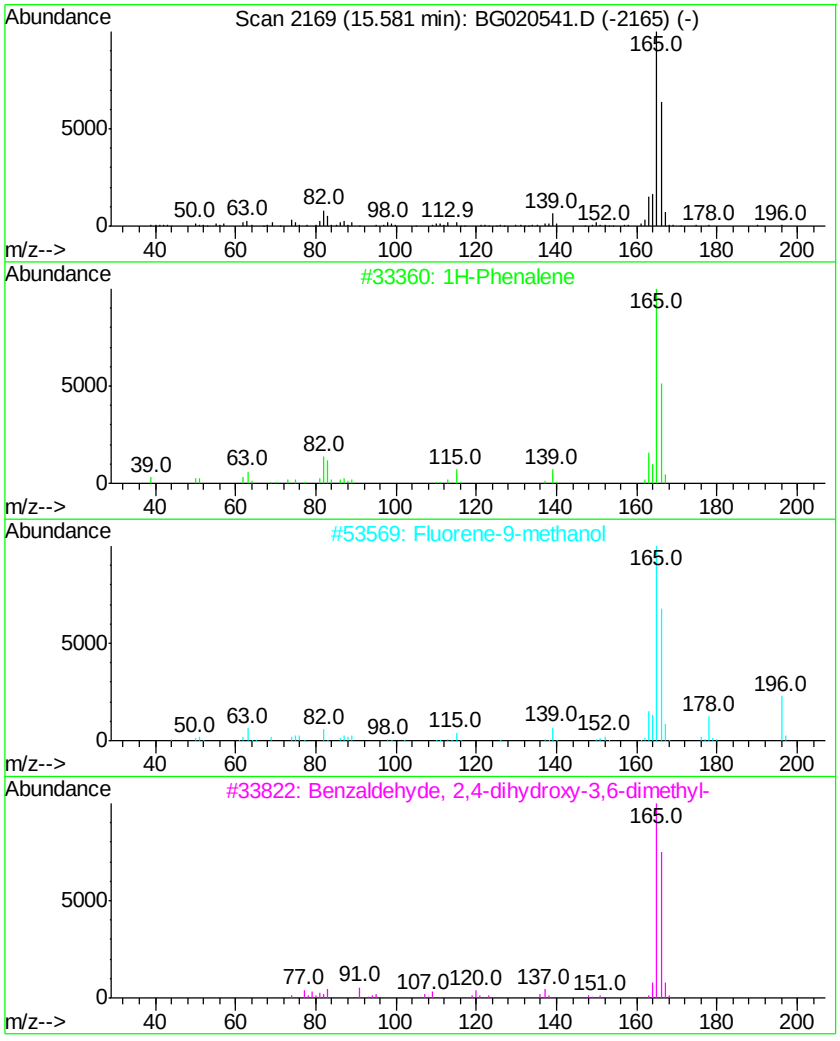
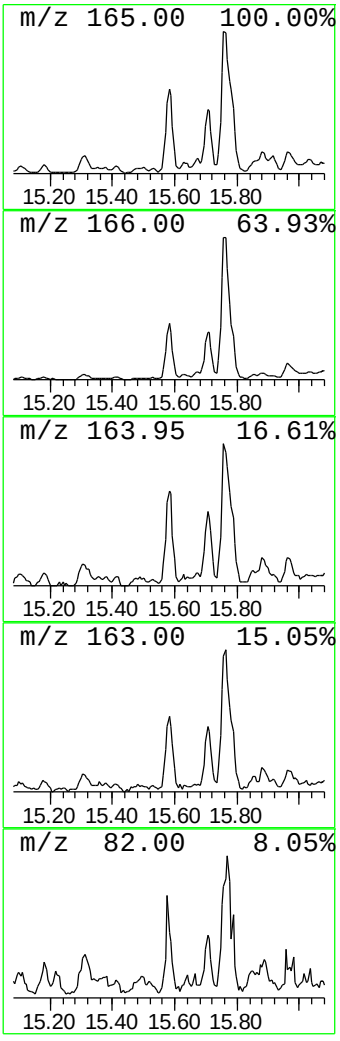
Peak Number 11 1H-Phenalene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	9.07 ng/ul	140438	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	86
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
3	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	64
5	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56





Library Search Compound Report

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Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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Quant Title : SVOA CALIBRATION

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

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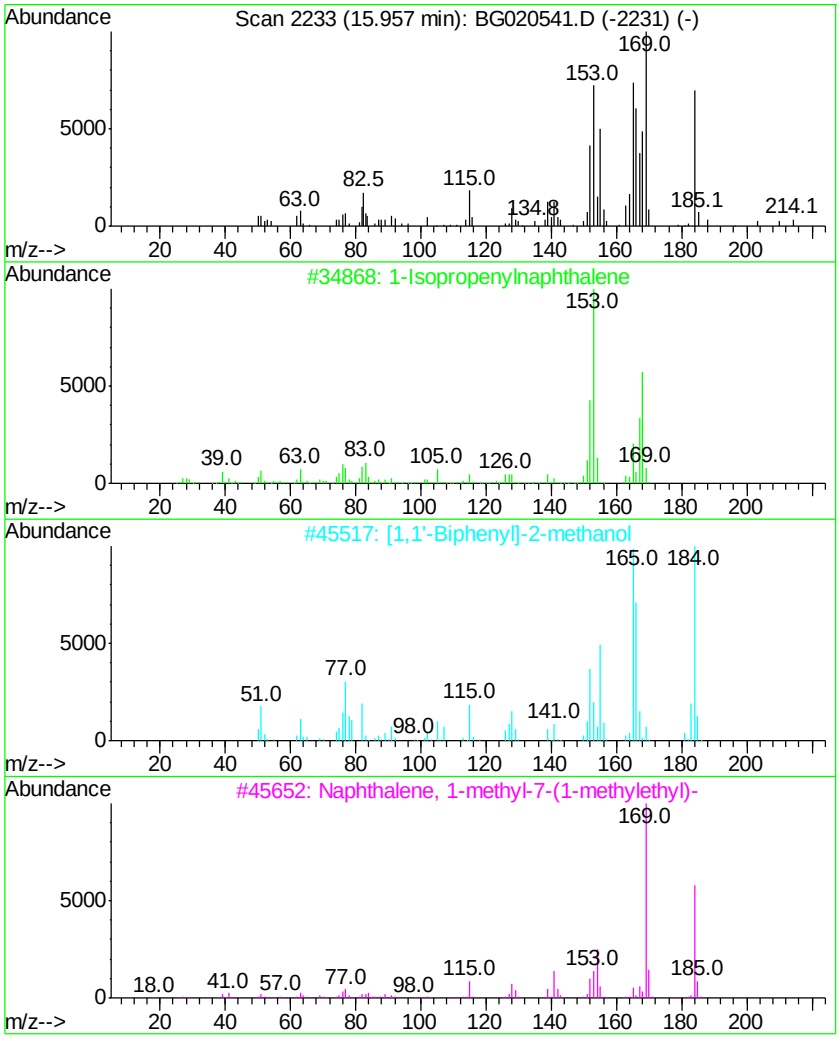
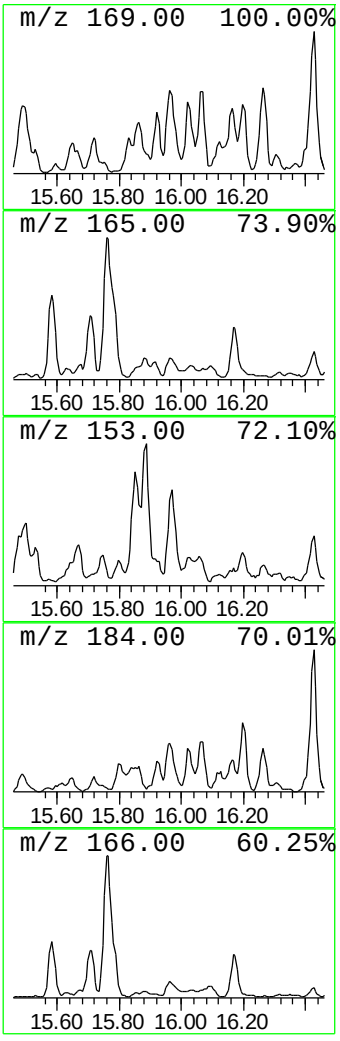
Peak Number 12 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	7.36 ng/ul	113912	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	42
2	[1,1'-Biphenyl]-2-methanol	184	C13H12O	002928-43-0	38
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	30
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	30
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	25





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Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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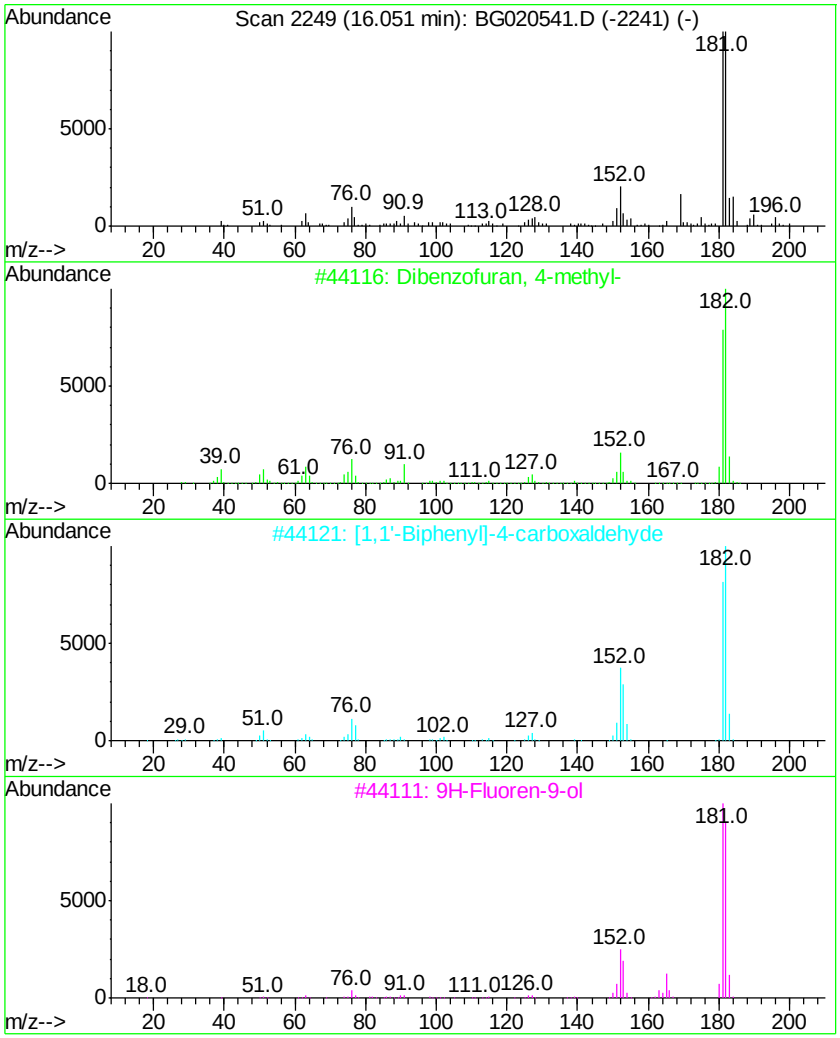
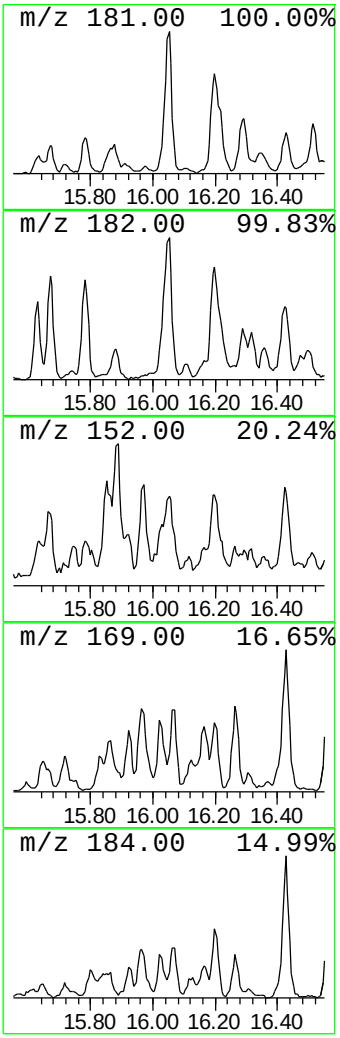
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	12.33 ng/ul	190927	Acenaphthene-d10	14.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	46





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Instrument : BNA_G
ClientSampleId : G9D95

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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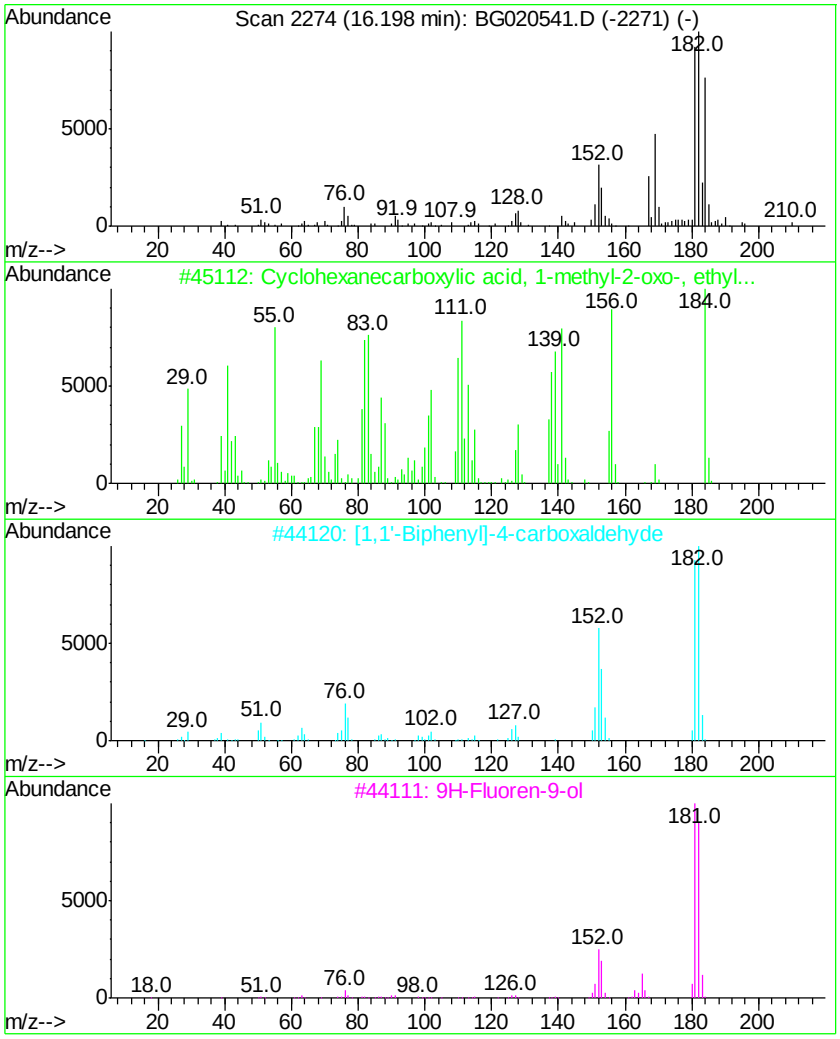
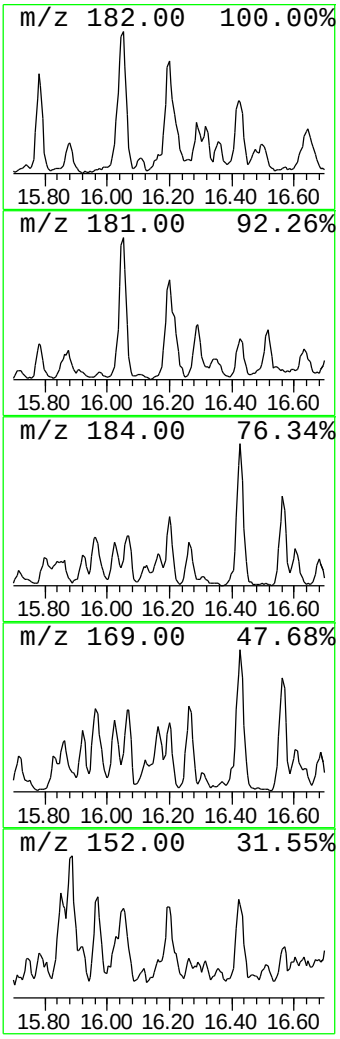
Peak Number 15 Cyclohexanecarboxylic acid,... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	8.02 ng/ul	143995	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanecarboxylic acid, 1-me...	184	C10H16O3	005453-94-1	56
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	55
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	46
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	46
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	43





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ClientSampleId : G9D95

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Quant Title : SVOA CALIBRATION

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

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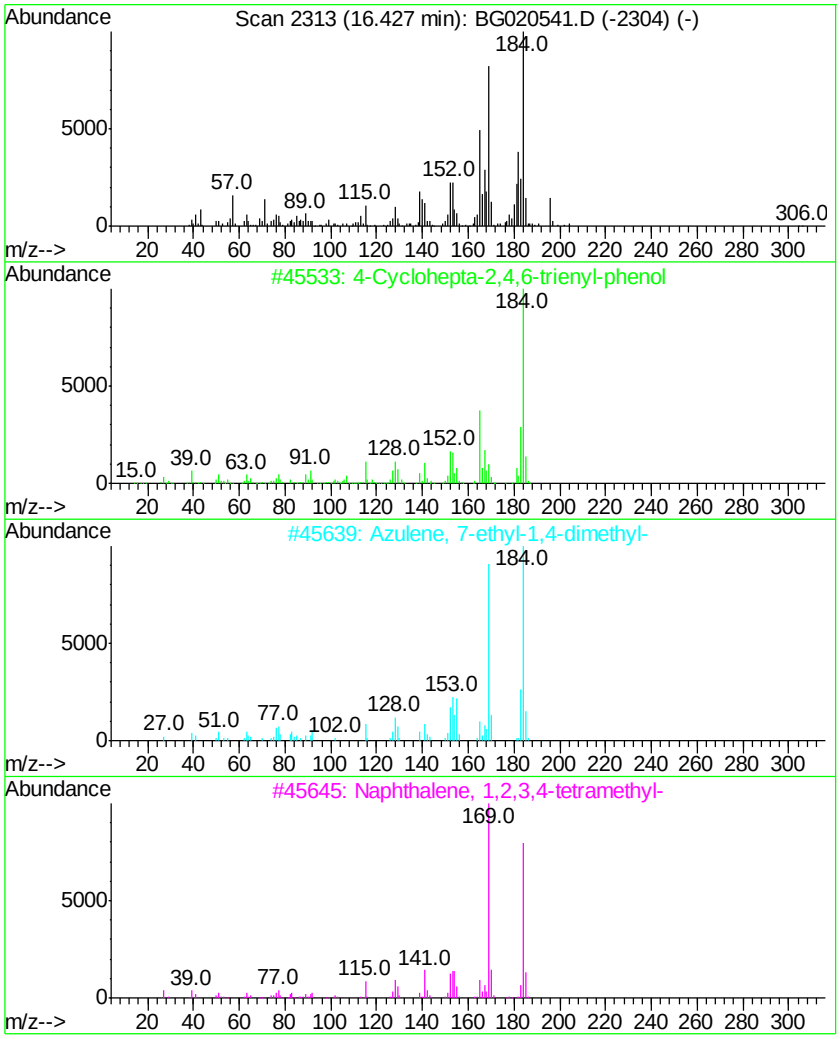
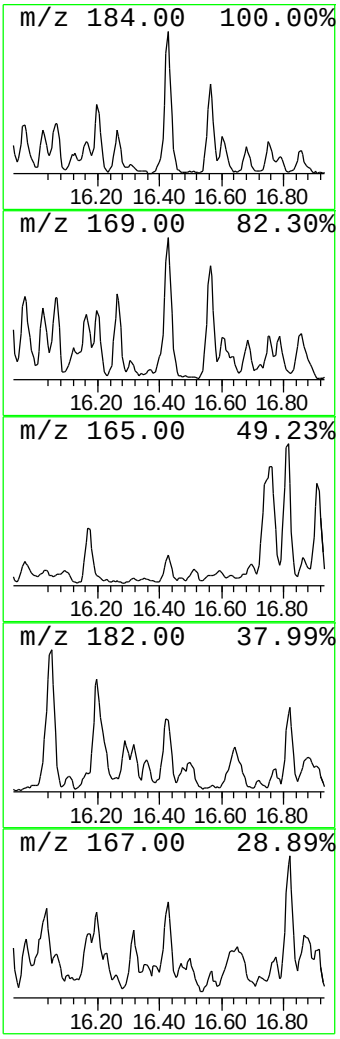
Peak Number 16 4-Cyclohepta-2,4,6-trienyl-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	16.26 ng/ul	292139	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	90
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	83
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	53
5	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	50





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Quant Title : SVOA CALIBRATION

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

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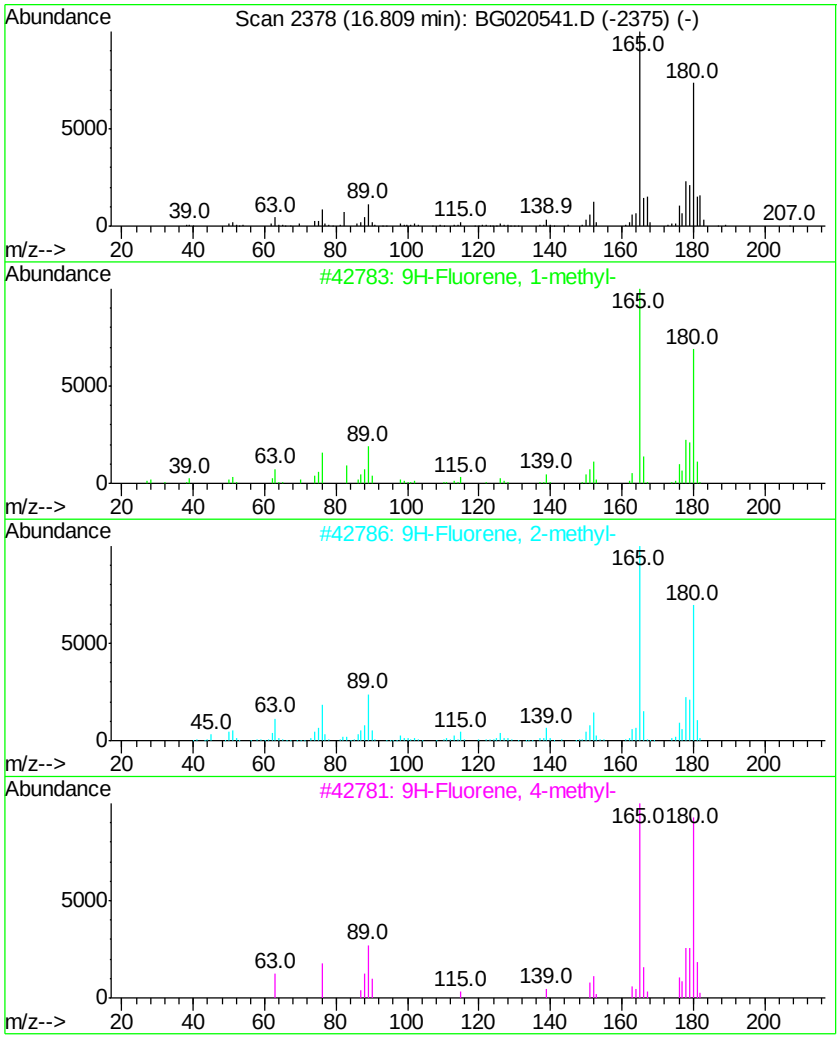
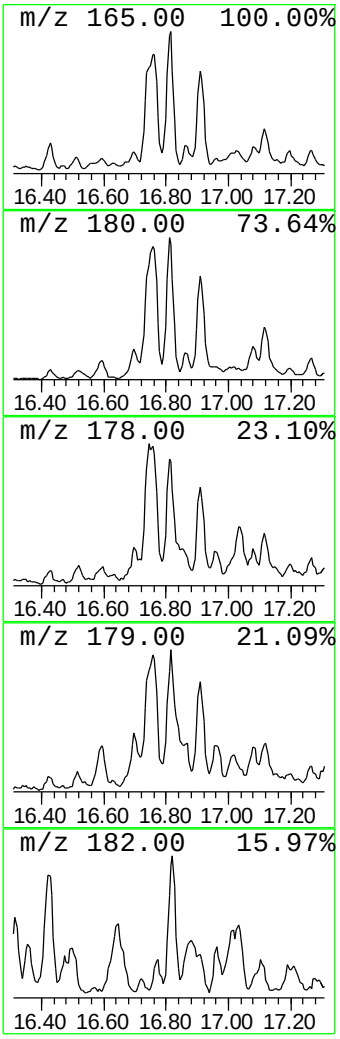
Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	16.17 ng/ul	290534	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





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Quant Title : SVOA CALIBRATION

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

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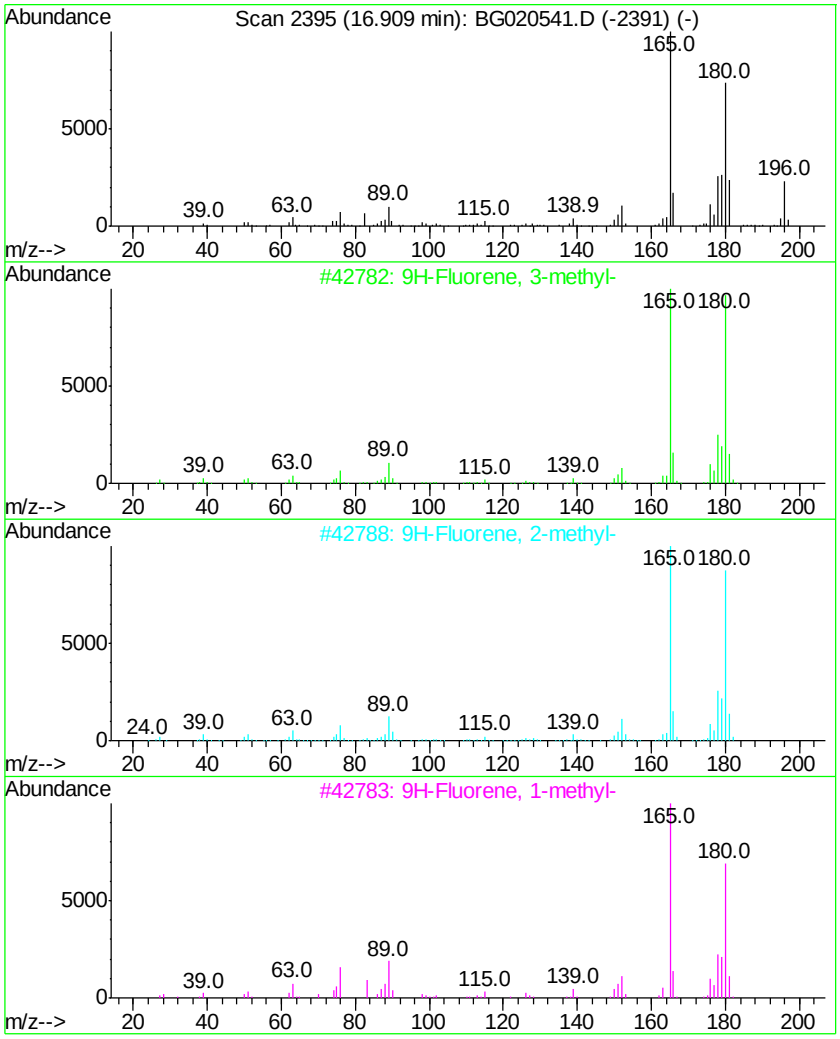
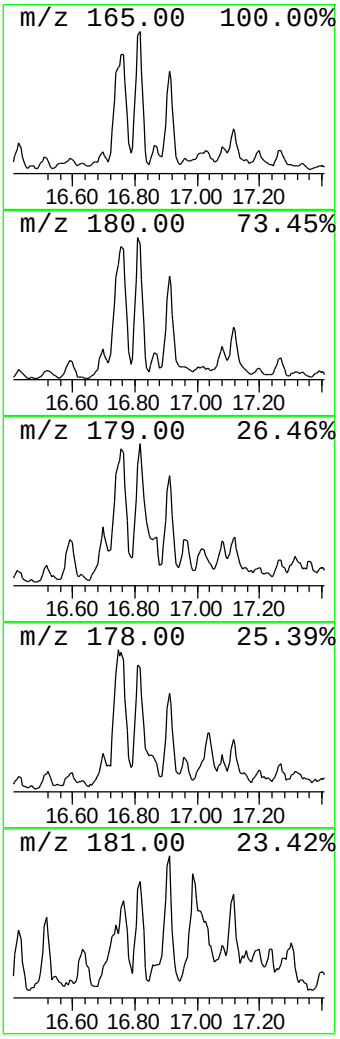
Peak Number 19 9H-Fluorene, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	12.85 ng/ul	230807	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68





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Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

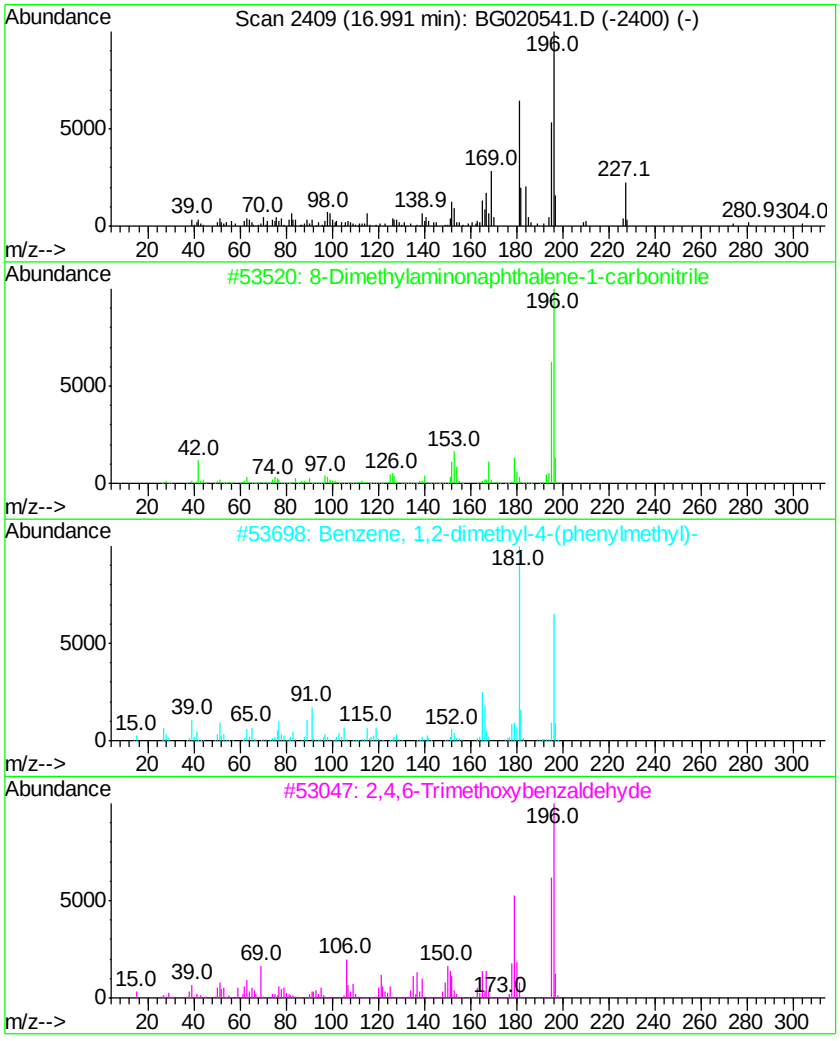
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

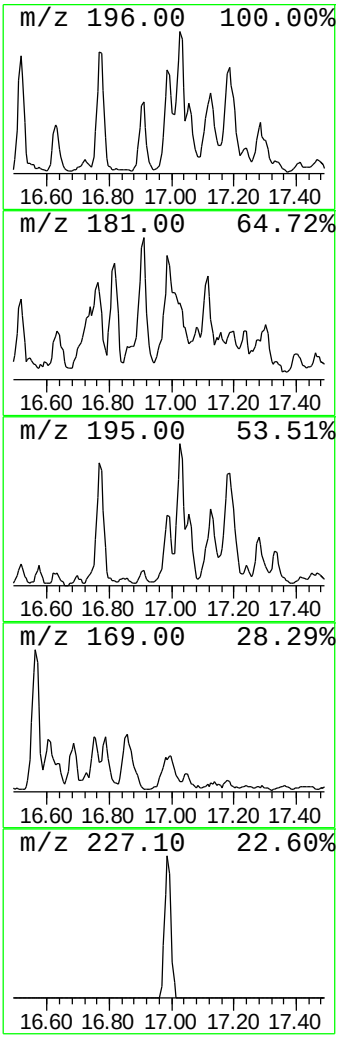
****

Peak Number 20 8-Dimethylaminonaphthalene-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	8.65 ng/ul	155430	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
2	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	46
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	43
4	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	43
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43





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Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

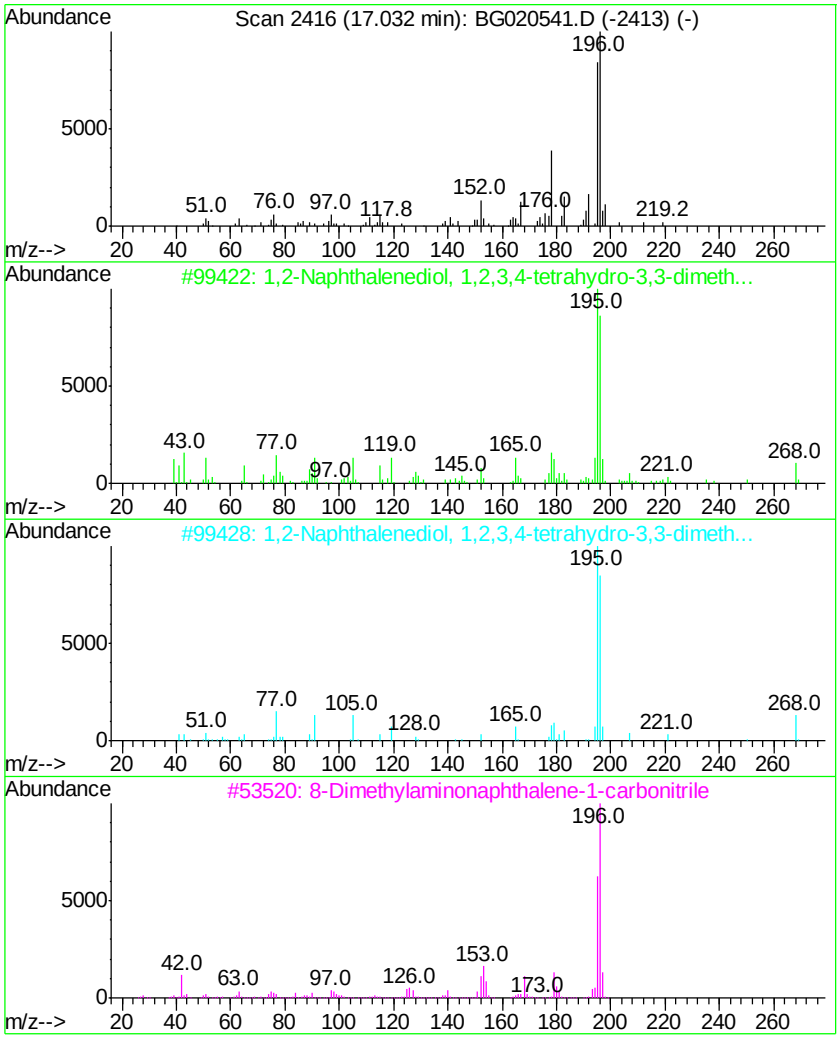
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

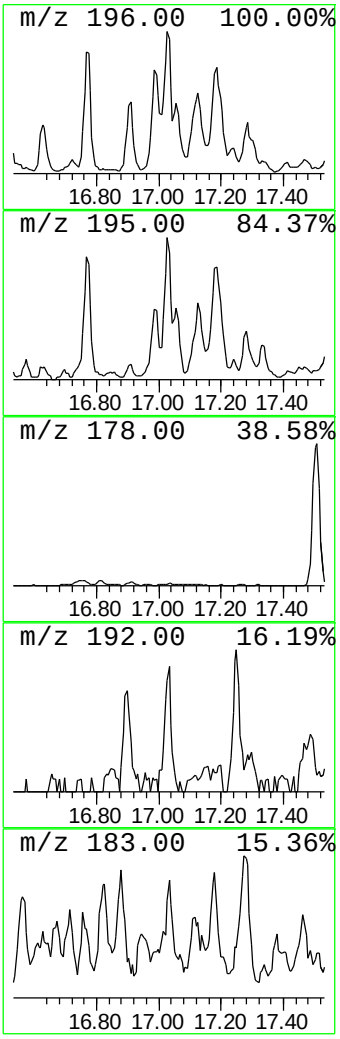
****

Peak Number 21 1,2-Naphthalenediol, 1,2,3,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	7.50 ng/ul	134695	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Naphthalenediol, 1,2,3,4-tet...	268	C18H20O2	051086-37-4	56
2	1,2-Naphthalenediol, 1,2,3,4-tet...	268	C18H20O2	056588-42-2	50
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	45
4	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	43
5	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	43





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Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

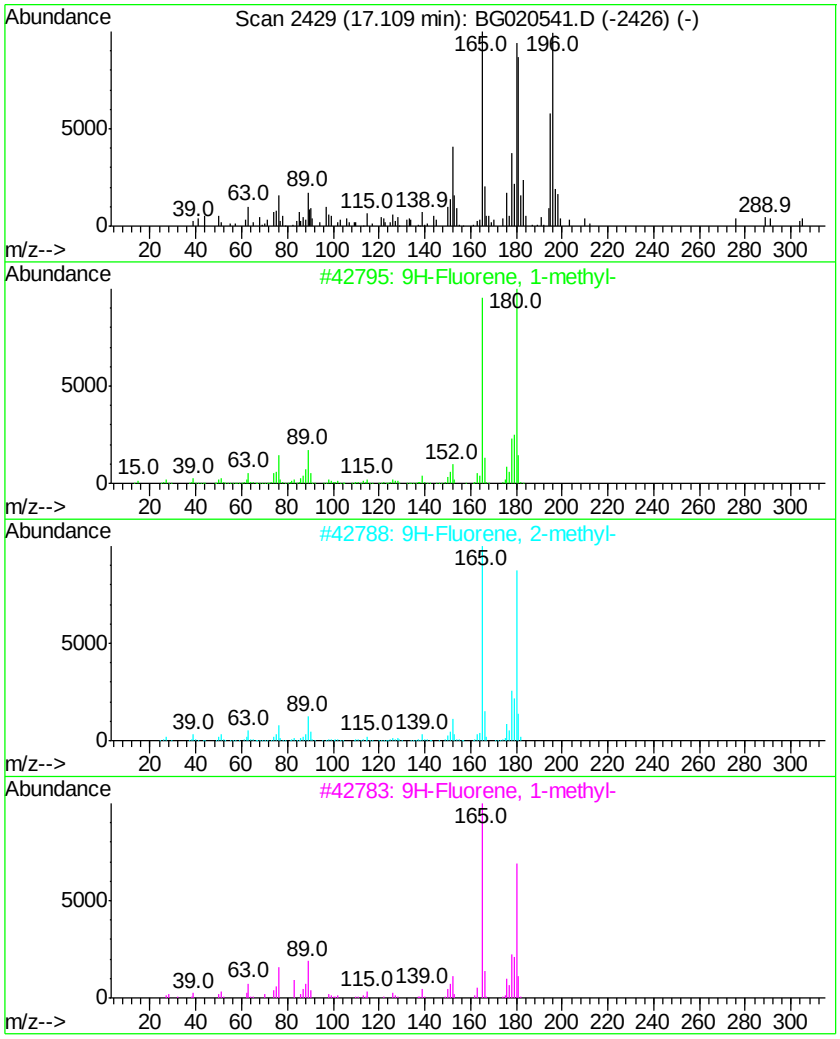
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

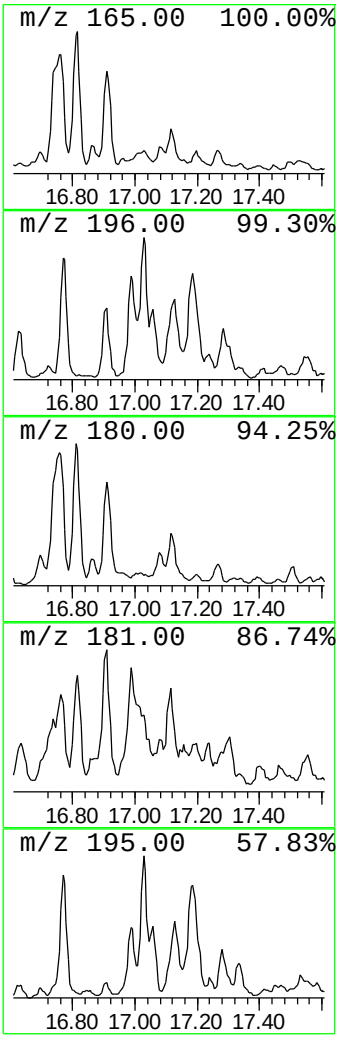
****

Peak Number 22 9H-Fluorene, 1-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	7.35 ng/ul	132038	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	66
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60





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Acq On : 26 Dec 2015 15:29
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Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

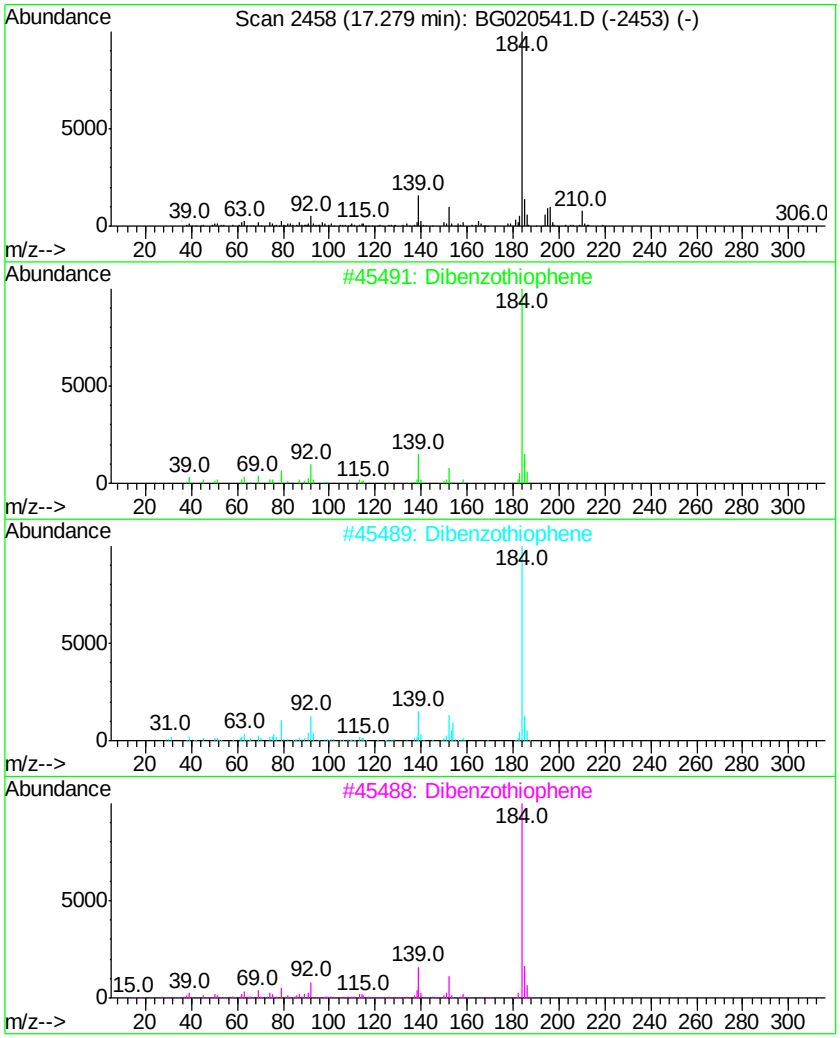
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

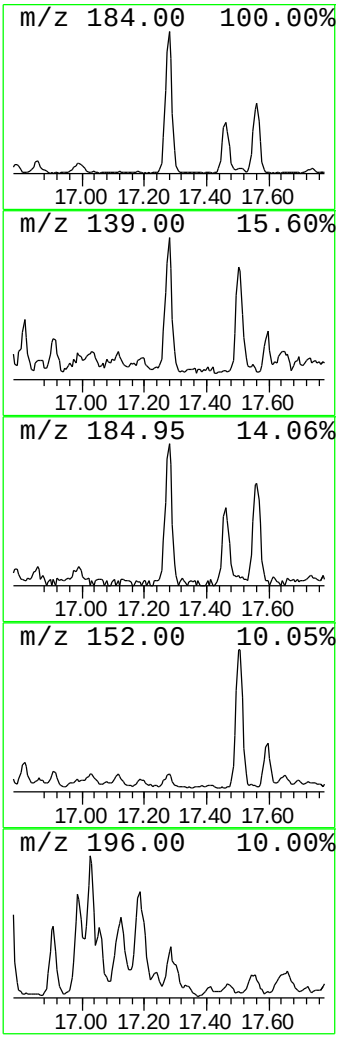
****

Peak Number 23 Dibenzothiophene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	9.86 ng/ul	177111	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81





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Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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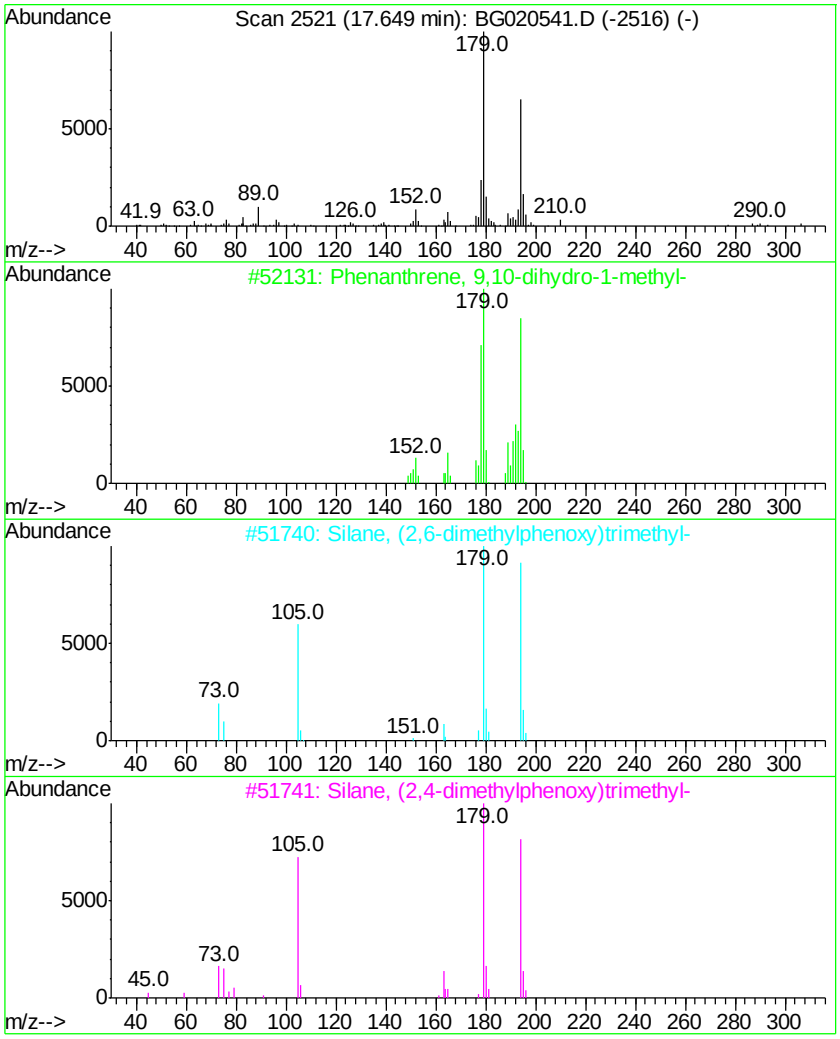
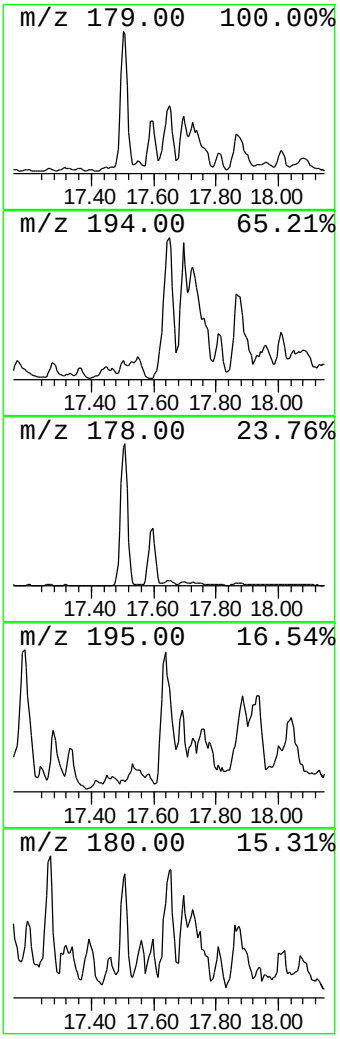
Peak Number 24 Phenanthrene, 9,10-dihydro-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	11.69 ng/ul	210022	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	64
2	Silane, (2,6-dimethylphenoxy)tri...	194	C11H18OSi	016286-54-7	64
3	Silane, (2,4-dimethylphenoxy)tri...	194	C11H18OSi	016414-81-6	64
4	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	59
5	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	59





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Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

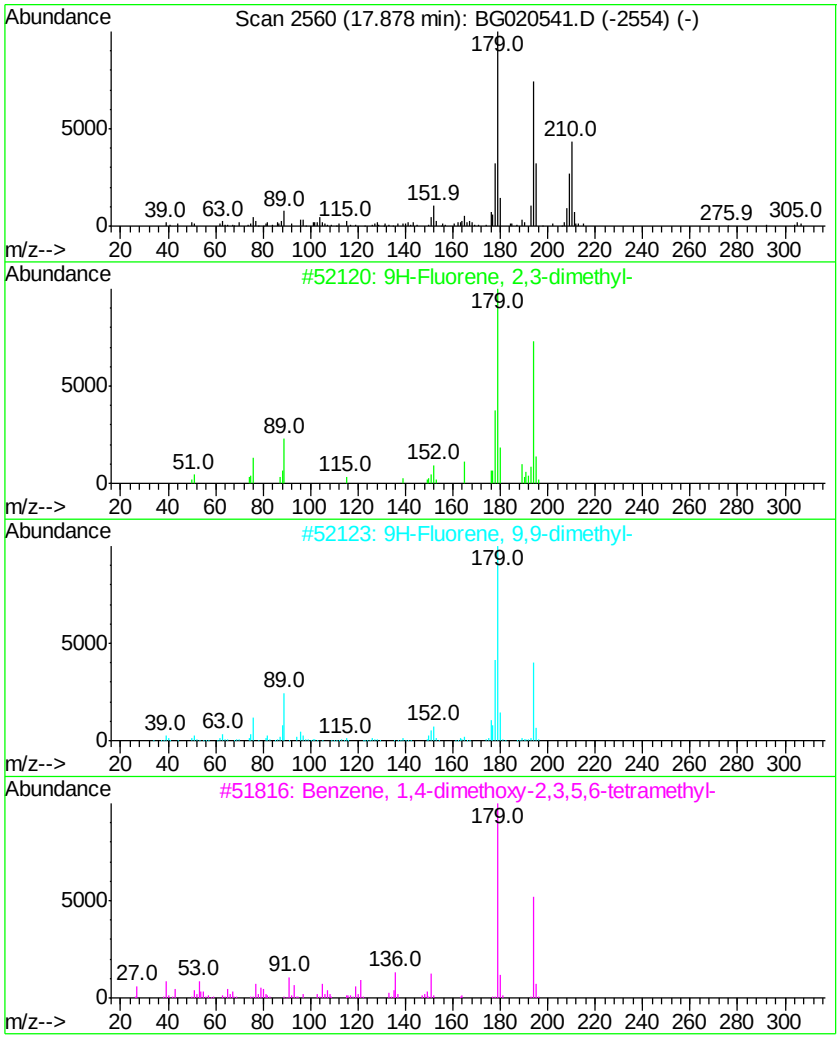
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

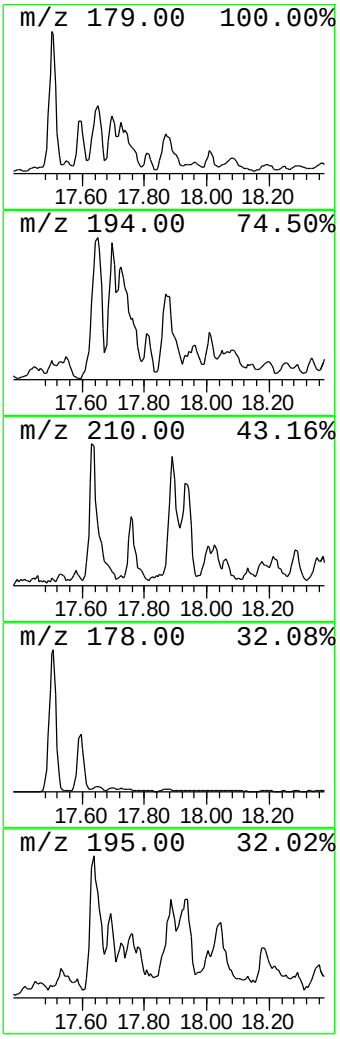
****

Peak Number 25 9H-Fluorene, 2,3-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	8.74 ng/ul	156955	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	70
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	52
3	Benzene, 1,4-dimethoxy-2,3,5,6-t...	194	C12H18O2	013199-54-7	49
4	9H-Fluorene, 2-ethyl-	194	C15H14	001207-20-1	49
5	.alpha.-Methylstilbene	194	C15H14	000779-51-1	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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

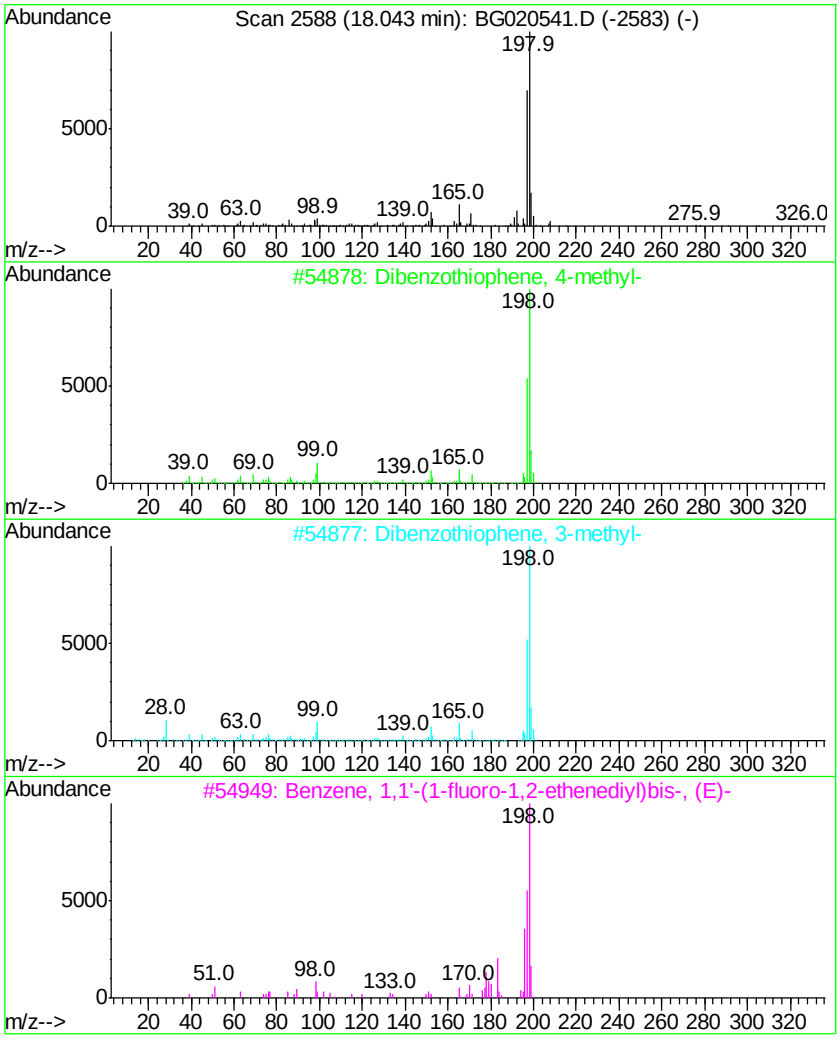
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

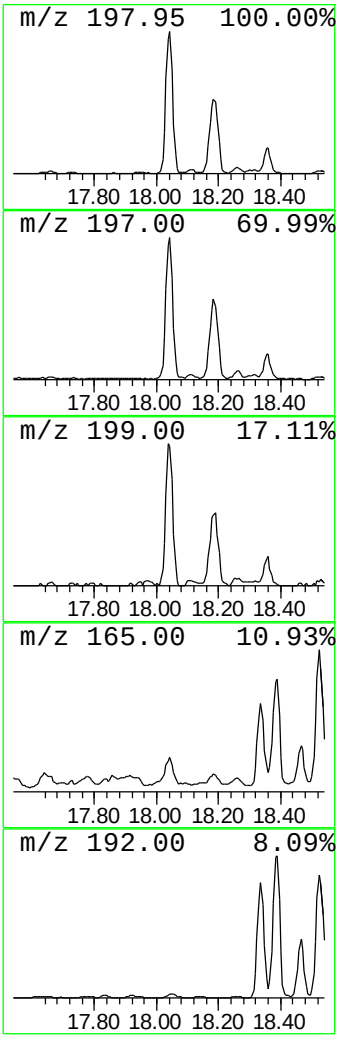
****

Peak Number 26 Dibenzothiophene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	17.51 ng/ul	314508	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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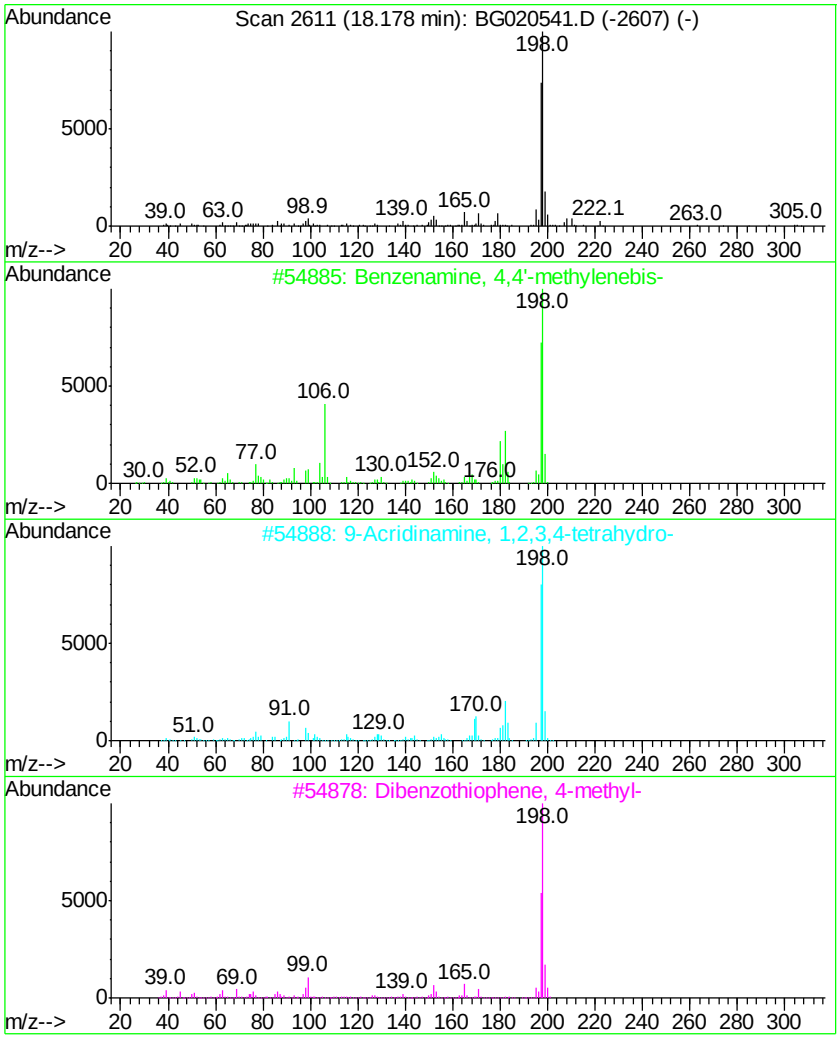
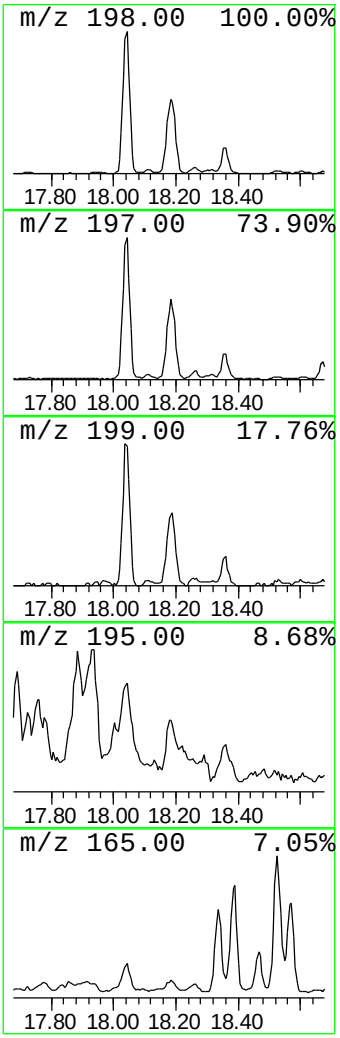
Peak Number 27 Benzenamine, 4,4'-methylene... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	11.92 ng/ul	214215	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	86
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	78
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	78





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Acq On : 26 Dec 2015 15:29
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Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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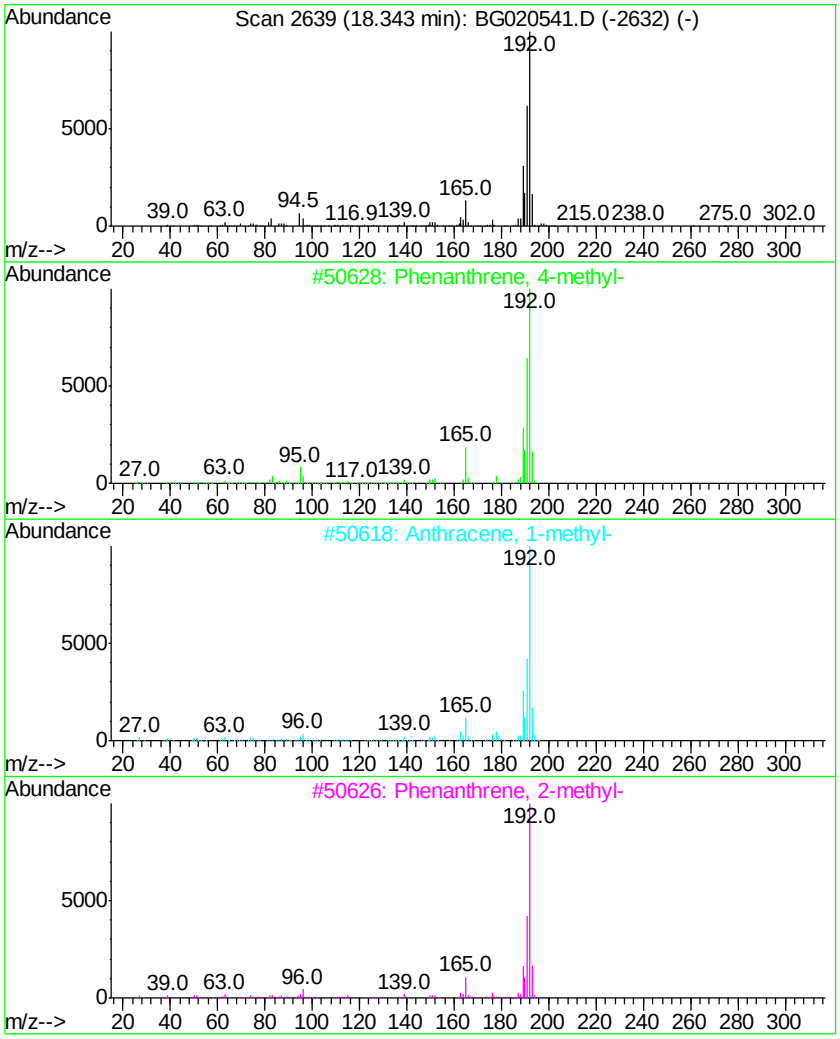
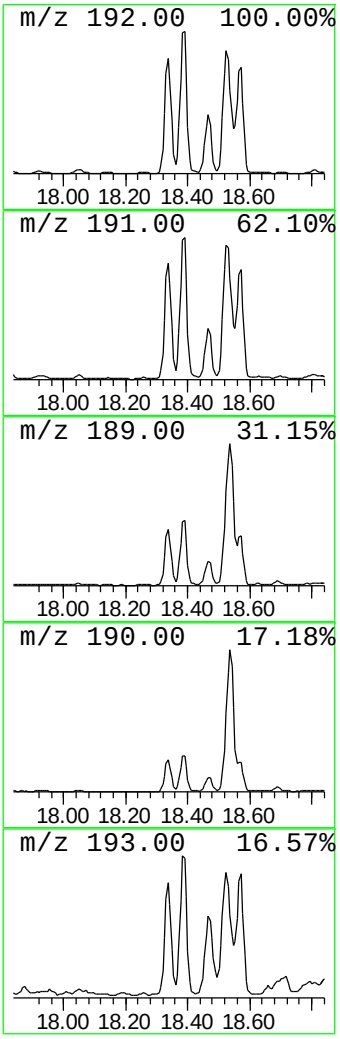
Peak Number 28 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	51.18 ng/ul	919479	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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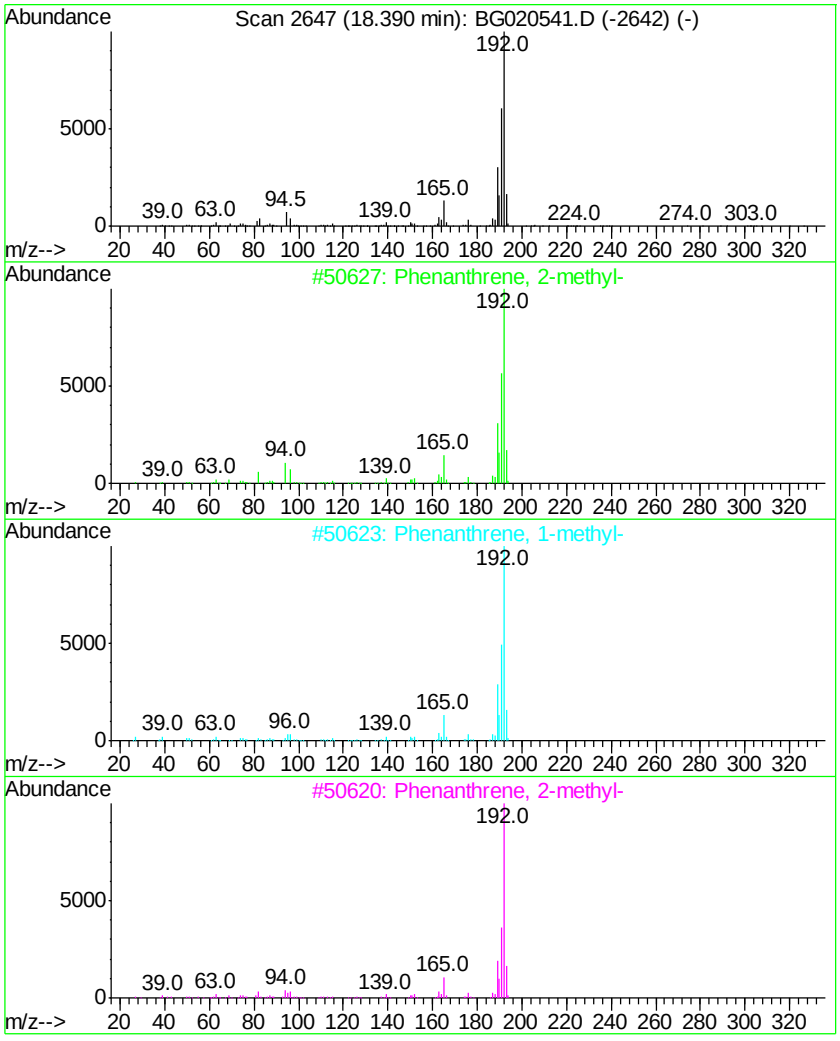
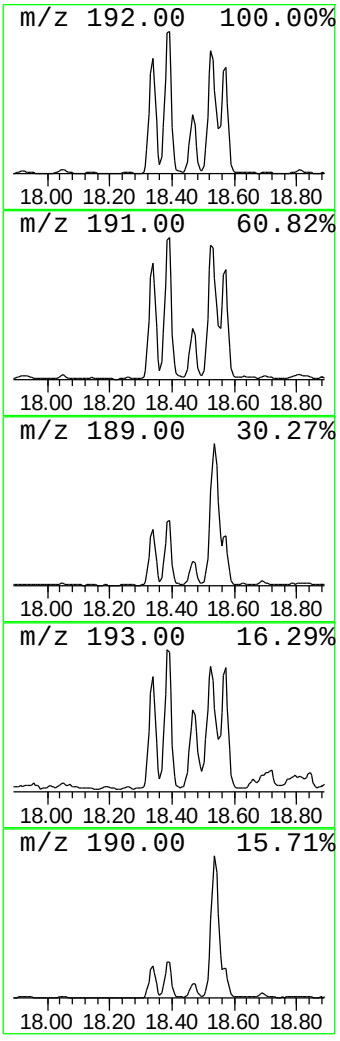
Peak Number 29 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	61.72 ng/ul	1108760	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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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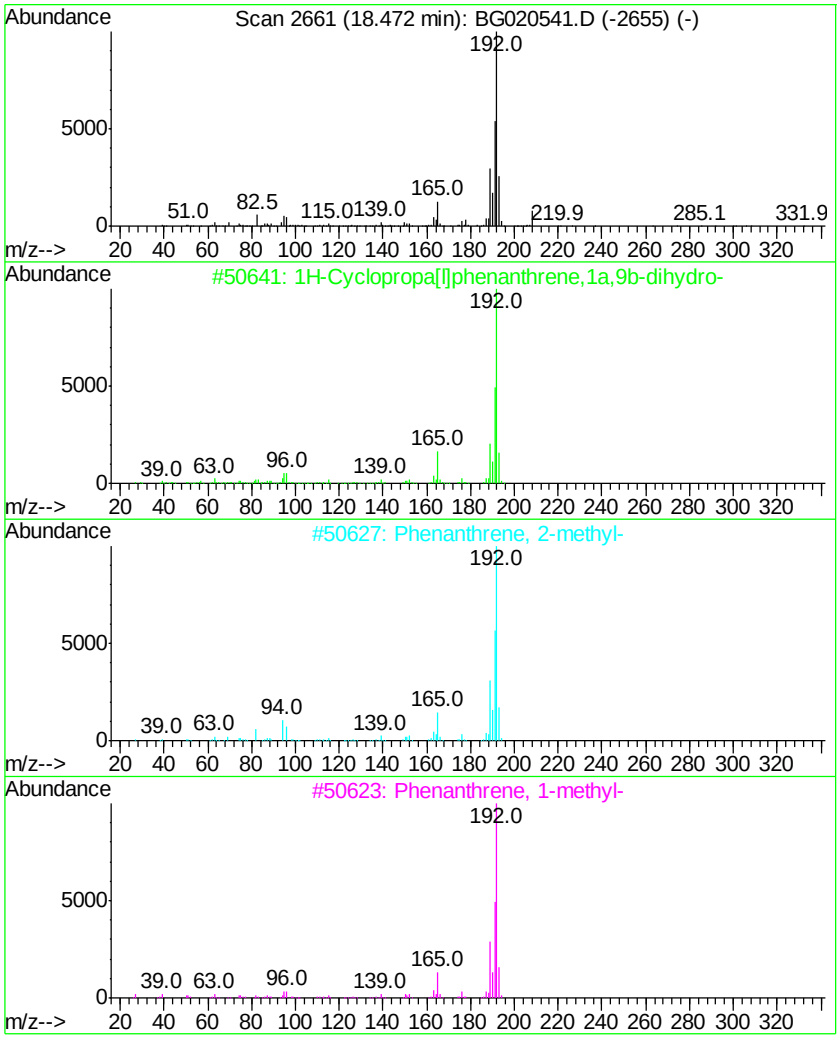
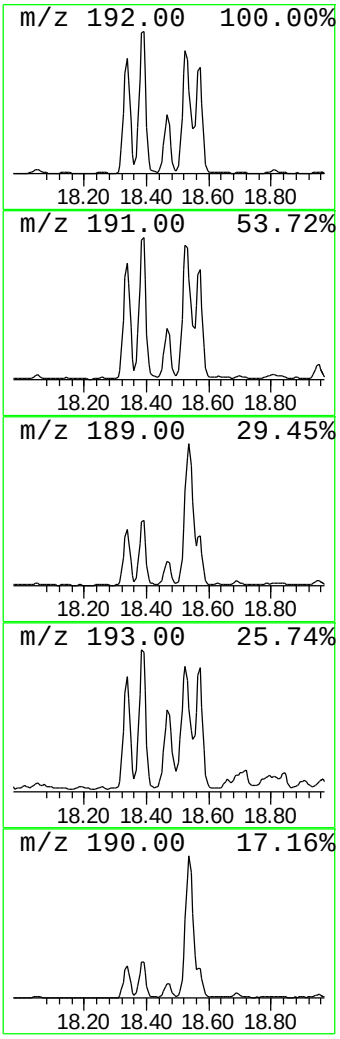
Peak Number 30 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	24.54 ng/ul	440948	Phenanthrene-d10	17.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020541.D
Acq On : 26 Dec 2015 15:29
Operator : UM/SJ
Sample : G4802-20
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D95

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
Naphthalene, 1-me...	12.77	49.3	ng/ul	516259	2	10.89	209633	20.0
Naphthalene, 2,3-...	13.74	8.5	ng/ul	131888	3	14.71	309751	20.0
Naphthalene, 2,6-...	13.87	37.7	ng/ul	584329	3	14.71	309751	20.0
Naphthalene, 1,5-...	14.04	33.8	ng/ul	523124	3	14.71	309751	20.0
Naphthalene, 1,6-...	14.27	17.6	ng/ul	273144	3	14.71	309751	20.0
Naphthalene, 2,3,...	15.11	29.8	ng/ul	461186	3	14.71	309751	20.0
Naphthalene, 1,6,...	15.18	24.9	ng/ul	384838	3	14.71	309751	20.0
Naphthalene, 1,4,...	15.32	32.0	ng/ul	495317	3	14.71	309751	20.0
3-(2-Methyl-prope...	15.38	14.6	ng/ul	225609	3	14.71	309751	20.0
1H-Phenalene	15.58	9.1	ng/ul	140438	3	14.71	309751	20.0
unknown-01	15.96	7.4	ng/ul	113912	3	14.71	309751	20.0
Dibenzofuran, 4-m...	16.05	12.3	ng/ul	190927	3	14.71	309751	20.0
Cyclohexanecarbox...	16.20	8.0	ng/ul	143995	4	17.46	359301	20.0
4-Cyclohepta-2,4,...	16.43	16.3	ng/ul	292139	4	17.46	359301	20.0
9H-Fluorene, 2-me...	16.81	16.2	ng/ul	290534	4	17.46	359301	20.0
9H-Fluorene, 3-me...	16.91	12.9	ng/ul	230807	4	17.46	359301	20.0
8-Dimethylaminona...	16.99	8.7	ng/ul	155430	4	17.46	359301	20.0
1,2-Naphthalenedi...	17.03	7.5	ng/ul	134695	4	17.46	359301	20.0
9H-Fluorene, 1-me...	17.11	7.3	ng/ul	132038	4	17.46	359301	20.0
Dibenzothiophene	17.28	9.9	ng/ul	177111	4	17.46	359301	20.0
Phenanthrene, 9,1...	17.65	11.7	ng/ul	210022	4	17.46	359301	20.0
9H-Fluorene, 2,3-...	17.88	8.7	ng/ul	156955	4	17.46	359301	20.0
Dibenzothiophene,...	18.04	17.5	ng/ul	314508	4	17.46	359301	20.0
Benzenamine, 4,4'...	18.18	11.9	ng/ul	214215	4	17.46	359301	20.0
Phenanthrene, 4-m...	18.34	51.2	ng/ul	919479	4	17.46	359301	20.0
Phenanthrene, 2-m...	18.39	61.7	ng/ul	1108760	4	17.46	359301	20.0
1H-Cyclopropa[l]p...	18.47	24.5	ng/ul	440948	4	17.46	359301	20.0