LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027517.D
Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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	7.215	554	566	578	rVB	582966	1000272	2.88%	0.363%
2	8.161	721	727	735	rVB	260996	461943	1.33%	0.168%
3	8.520	774	788	799	rVB	197618	389556	1.12%	0.141%
4	8.731	814	824	831	rVV	282776	510120	1.47%	0.185%
5	8.896	844	852	864	rBV2	828445	1514767	4.36%	0.550%
6	9.060	872	880	888	rVV	1122390	2082292	5.99%	0.756%
7	9.624	964	976	983	rVV3	147363	344309	0.99%	0.125%
8	9.994	1025	1039	1046	rVV	240120	588654	1.69%	0.214%
9	10.570	1131	1137	1147	rVB	188886	353528	1.02%	0.128%
10	10.729	1154	1164	1175	rBV5	384007	1225918	3.53%	0.445%
11	10.829	1175	1181	1197	rVV2	141806	431521	1.24%	0.157%
12	11.434	1261	1284	1292	rVV	10723683	34751359	100.00%	12.615%
13	11.522	1292	1299	1312	rVV	1222167	2454423	7.06%	0.891%
14	12.973	1533	1546	1556	rVV	7221632	15170986	43.66%	5.507%
15	13.079	1556	1564	1571	rVV	206717	469961	1.35%	0.171%
16	13.185	1571	1582	1589	rVV	4210551	7803748	22.46%	2.833%
17	13.943	1705	1711	1722	rVV	2240845	3615666	10.40%	1.312%
18	14.137	1738	1744	1755	rVB	747601	1468562	4.23%	0.533%
19	14.278	1755	1768	1776	rBV2	1293131	3613780	10.40%	1.312%
20	14.430	1786	1794	1798	rVV	1689660	3321336	9.56%	1.206%
21	14.483	1798	1803	1810	rVV	1181131	2057818	5.92%	0.747%
22	14.660	1826	1833	1845	rBV	693695	1531254	4.41%	0.556%
23	14.830	1850	1862	1869	rBV2	599987	1124158	3.23%	0.408%
24	15.071	1893	1903	1906	rBV	863692	1399805	4.03%	0.508%
25	15.106	1906	1909	1914	rVV2	440255	747258	2.15%	0.271%
26	15.182	1914	1922	1928	rVV	6622483	12475392	35.90%	4.529%
27	15.235	1928	1931	1937	rVV	336879	537783	1.55%	0.195%
28	15.300	1937	1942	1951	rVV	205012	497165	1.43%	0.180%
29	15.412	1951	1961	1969	rVV2	354621	833862	2.40%	0.303%
30	15.512	1969	1978	1984	rVV	4755428	9192949	26.45%	3.337%
31	15.564	1984	1987	1996	rVB	350223	558925	1.61%	0.203%
32	15.705	2004	2011	2016	rBV2	302465	584745	1.68%	0.212%
33	15.764	2016	2021	2032	rVB2	300088	525118	1.51%	0.191%
34	15.882	2032	2041	2044	rBV2	227611	537922	1.55%	0.195%

LSC Area Percent Report

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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

35	16.058	2066	2071	2080	rVV4	237959	504185	1.45%	0.183%
36	16.164	2080	2089	2096	rVB	6238823	11807803	33.98%	4.286%
37	16.246	2096	2103	2105	rBV	338083	580979	1.67%	0.211%
38	16.275	2105	2108	2111	rVV	434419	777614	2.24%	0.282%
39	16.316	2111	2115	2120	rVV3	848483	1517422	4.37%	0.551%
40	16.405	2125	2130	2132	rVV2	458937	793057	2.28%	0.288%
41	16.440	2132	2136	2143	rVB	1140394	1807817	5.20%	0.656%
42	16.587	2143	2161	2170	rBV	1225511	2981371	8.58%	1.082%
43	16.781	2188	2194	2210	rVB3	257311	649834	1.87%	0.236%
44	16.939	2216	2221	2227	rBV2	351519	551849	1.59%	0.200%
45	17.151	2244	2257	2262	rBV2	932346	2002770	5.76%	0.727%
46	17.204	2262	2266	2271	rVV	316586	560248	1.61%	0.203%
47	17.304	2276	2283	2287	rVV3	323946	656124	1.89%	0.238%
48	17.374	2287	2295	2298	rVV3	314981	724849	2.09%	0.263%
49	17.415	2298	2302	2311	rVV2	346362	762244	2.19%	0.277%
50	17.574	2323	2329	2341	rBV3	379894	940649	2.71%	0.341%
51	17.680	2341	2347	2362	rVB	1610721	2753109	7.92%	0.999%
52	17.932	2369	2390	2396	rBV	11518027	29146039	83.87%	10.580%
53	18.003	2396	2402	2414	rVB	3395246	5778714	16.63%	2.098%
54	18.261	2439	2446	2459	rBV	1684180	3109288	8.95%	1.129%
55	18.367	2459	2464	2469	rBV	244003	351707	1.01%	0.128%
56	18.437	2473	2476	2489	rVB2	188515	365246	1.05%	0.133%
57	18.578	2495	2500	2508	rVB	153530	340867	0.98%	0.124%
58	18.725	2520	2525	2530	rVV	1461499	2447910	7.04%	0.889%
59	18.778	2530	2534	2540	rVB	2125561	3170860	9.12%	1.151%
60	18.861	2540	2548	2553	rBV	824075	1433418	4.12%	0.520%
61	18.931	2553	2560	2571	rVV2	2712023	6080939	17.50%	2.207%
62	19.213	2602	2608	2614	rVV	1123598	1659898	4.78%	0.603%
63	19.448	2638	2648	2653	rBV	252383	523850	1.51%	0.190%
64	19.501	2653	2657	2660	rVV	269979	369522	1.06%	0.134%
65	19.618	2671	2677	2683	rBV	489568	989664	2.85%	0.359%
66	19.695	2683	2690	2698	rVV3	333881	981610	2.82%	0.356%
67	19.765	2698	2702	2711	rVB4	144060	428970	1.23%	0.156%
68	19.912	2717	2727	2736	rBV	8850313	17425771	50.14%	6.326%
69	20.141	2760	2766	2774	rVB	453890	881282	2.54%	0.320%
70	20.271	2774	2788	2794	rBV3	6866458	16696663	48.05%	6.061%
71	20.318	2794	2796	2804	rVB2	484350	656529	1.89%	0.238%

LSC Area Percent Report

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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Title : SVOA CALIBRATION

72	20.423	2805	2814	2819	rVB	562441	866183	2.49%	0.314%
73	20.570	2830	2839	2845	rBV3	595221	1450764	4.17%	0.527%
74	20.629	2845	2849	2854	rVB	303433	420772	1.21%	0.153%
75	20.741	2854	2868	2877	rVB	1769652	3614097	10.40%	1.312%
76	20.846	2877	2886	2890	rBV	2019808	3369385	9.70%	1.223%
77	20.905	2891	2896	2900	rVV2	580659	1183403	3.41%	0.430%
78	21.058	2916	2922	2925	rBV	248968	406996	1.17%	0.148%
79	21.105	2926	2930	2941	rVB2	298823	629916	1.81%	0.229%
80	21.299	2957	2963	2971	rBV3	267959	545547	1.57%	0.198%
81	21.504	2993	2998	3004	rBV2	227724	489268	1.41%	0.178%
82	21.563	3004	3008	3015	rVV3	147599	339585	0.98%	0.123%
83	21.769	3034	3043	3047	rBV	501984	1063712	3.06%	0.386%
84	21.816	3047	3051	3056	rVV	405165	701709	2.02%	0.255%
85	21.869	3056	3060	3065	rVV2	322096	540661	1.56%	0.196%
86	22.074	3085	3095	3102	rBV	170126	462878	1.33%	0.168%
87	22.221	3110	3120	3127	rBV3	2934266	7094193	20.41%	2.575%
88	22.292	3127	3132	3144	rVB	1887425	3765672	10.84%	1.367%
89	22.462	3154	3161	3170	rBV	478042	988017	2.84%	0.359%
90	22.691	3192	3200	3207	rVB2	288040	635209	1.83%	0.231%
91	23.050	3251	3261	3268	rVV2	237484	673938	1.94%	0.245%
92	23.414	3319	3323	3332	rVB3	206928	496105	1.43%	0.180%
93	23.508	3332	3339	3356	rVB5	126150	413222	1.19%	0.150%
94	24.730	3534	3547	3554	rBV	663645	2560179	7.37%	0.929%
95	25.012	3586	3595	3607	rVB	147405	438331	1.26%	0.159%
96	25.553	3676	3687	3701	rVB2	279785	913981	2.63%	0.332%
97	25.717	3704	3715	3731	rVB	499309	1615244	4.65%	0.586%
98	25.888	3731	3744	3754	rVV2	309937	1214421	3.49%	0.441%
99	25.982	3754	3760	3775	rVB2	138001	476184	1.37%	0.173%
100	30.094	4443	4460	4486	rVB5	112117	722505	2.08%	0.262%

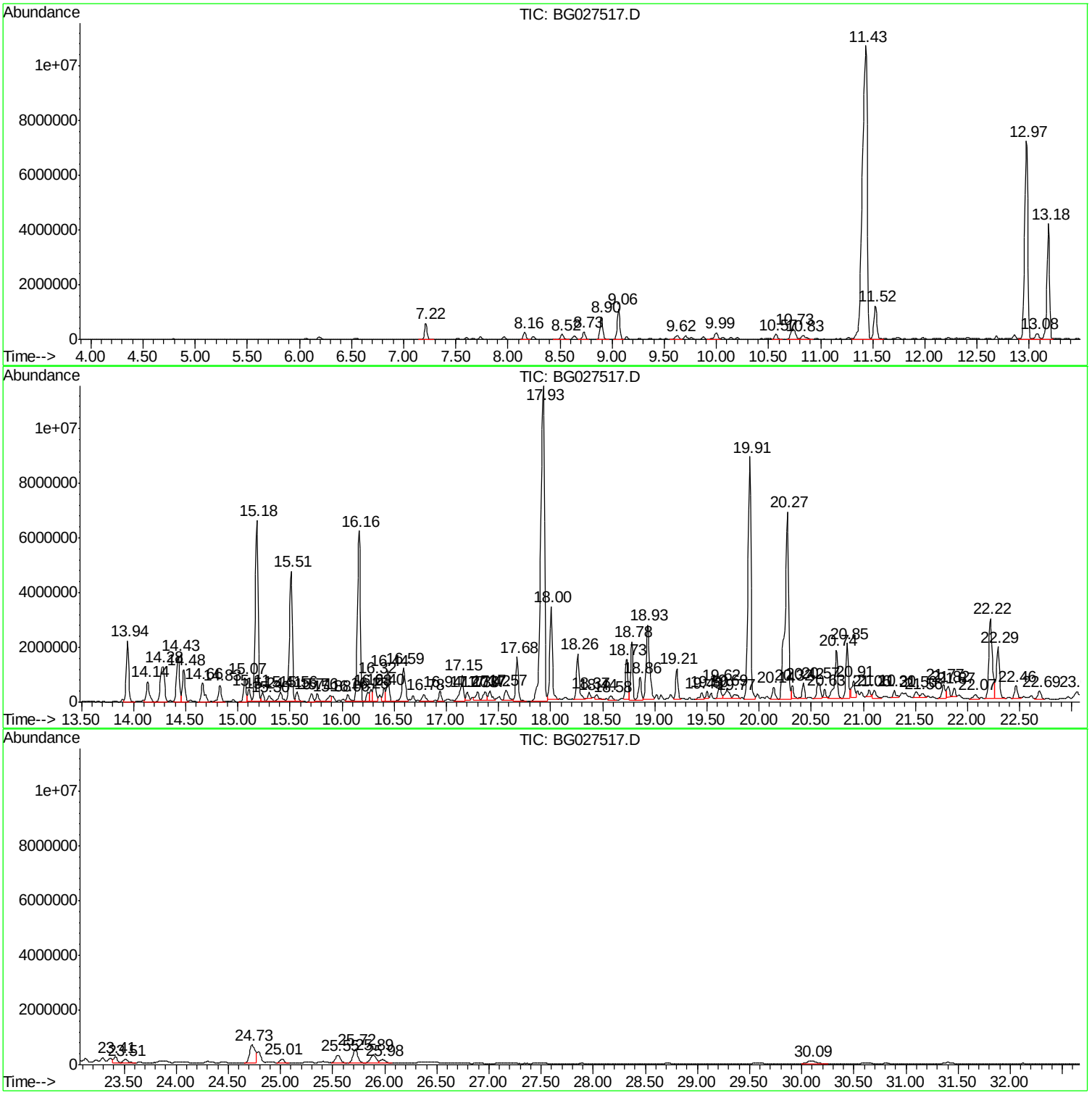
Sum of corrected areas: 275479603

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027517.D
Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Acq On : 17 Jun 2017 21:48
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Sample : I3599-13 20X
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Instrument : BNA_G
ClientSampleId : F5B27

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Quant Title : SVOA CALIBRATION

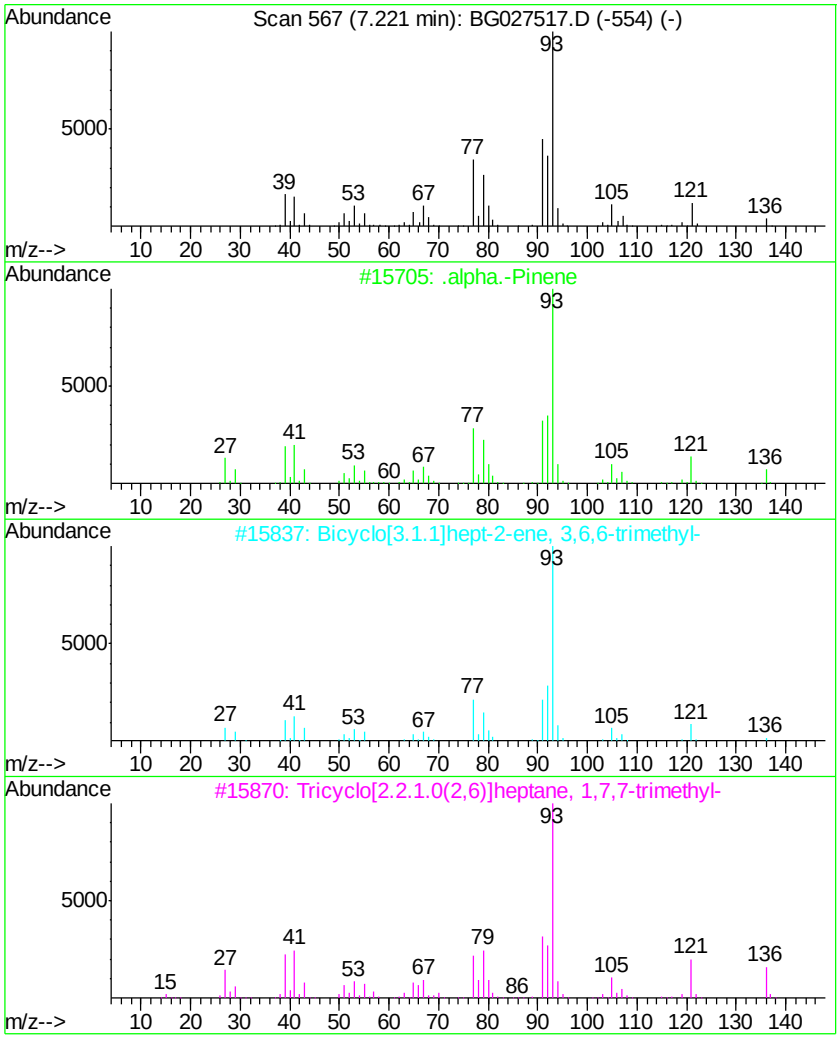
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

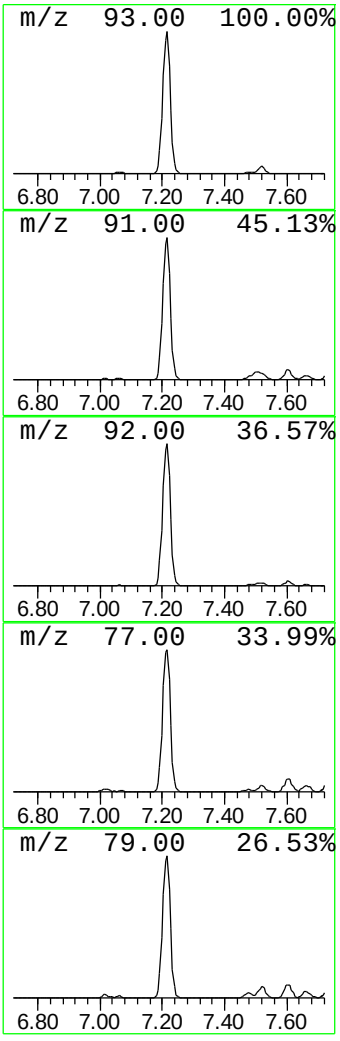
****

Peak Number 1 .alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	51.35 ng/ul	1000270	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	.alpha.-Pinene	136	C10H16	000080-56-8	90
5	3-Carene	136	C10H16	013466-78-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

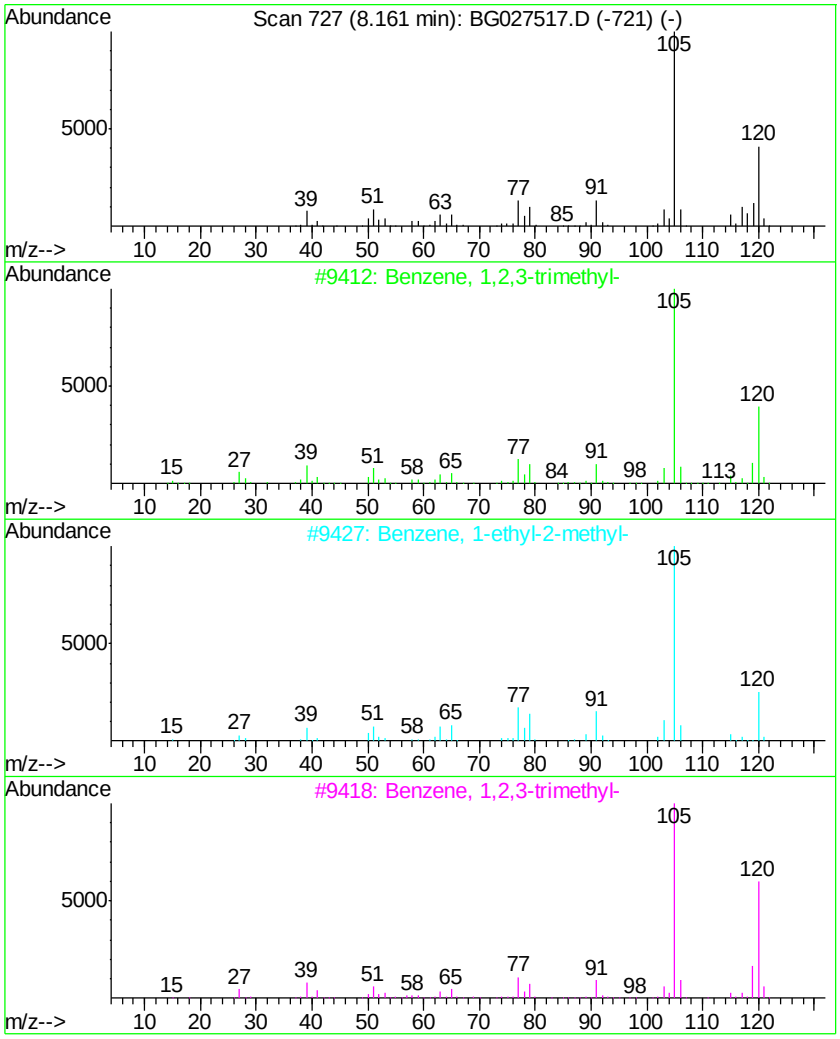
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

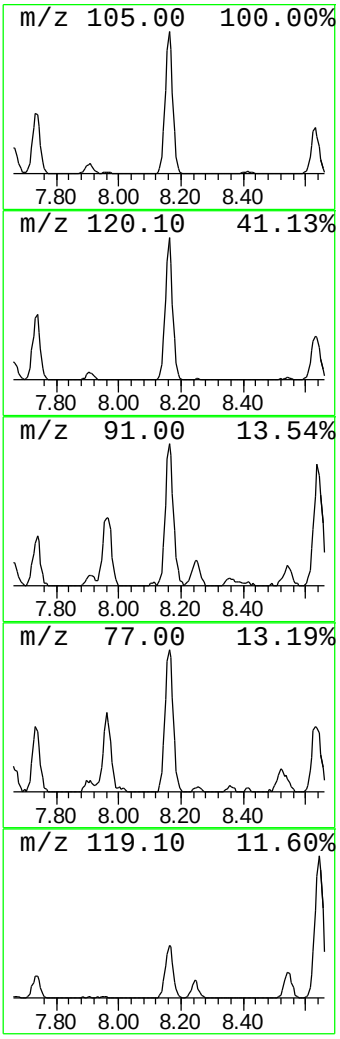
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	23.72 ng/ul	461943	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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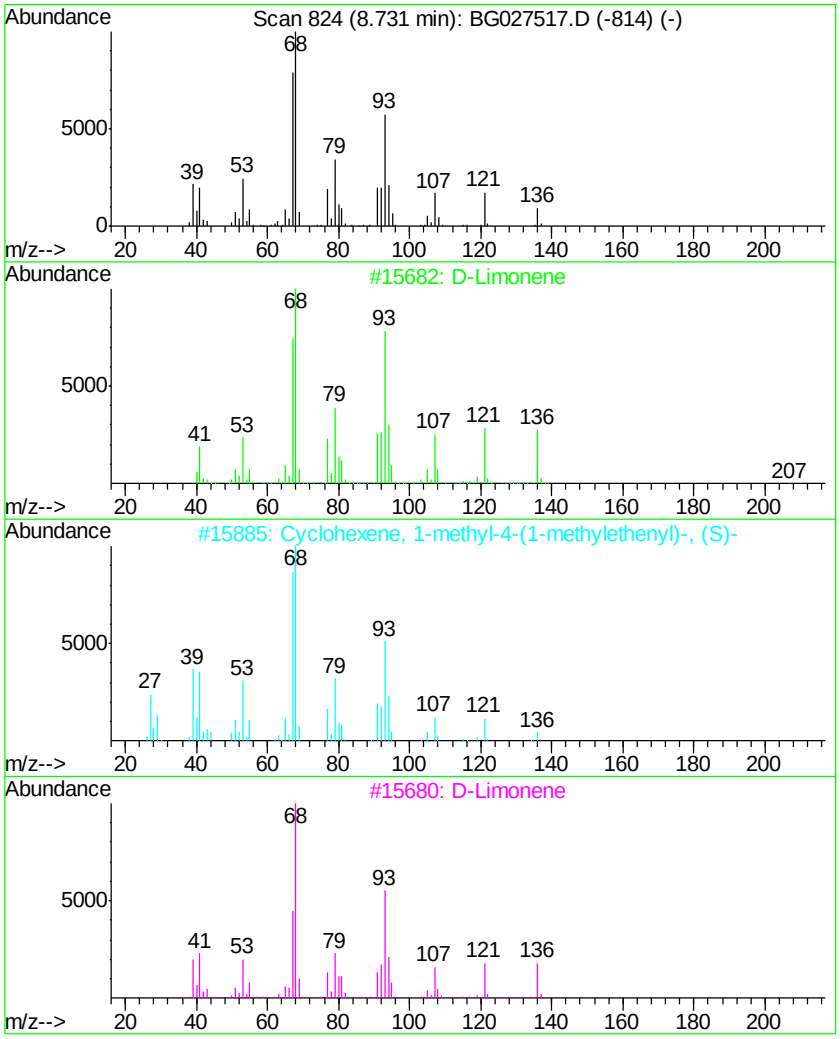
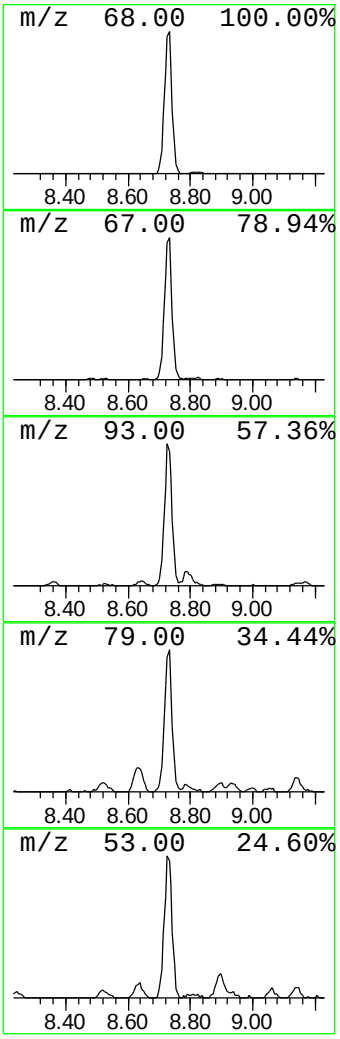
Peak Number 3 D-Limonene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	26.19 ng/ul	510120	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
3	D-Limonene	136	C10H16	005989-27-5	91
4	D-Limonene	136	C10H16	005989-27-5	87
5	D-Limonene	136	C10H16	005989-27-5	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027517.D
Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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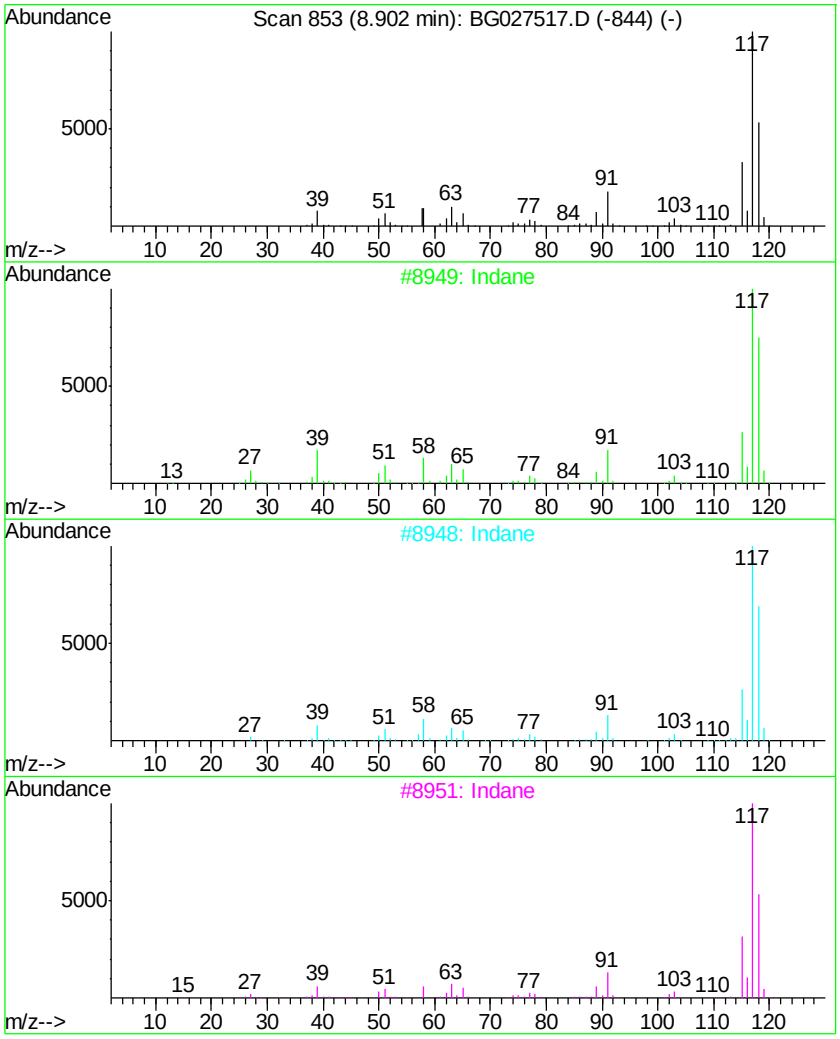
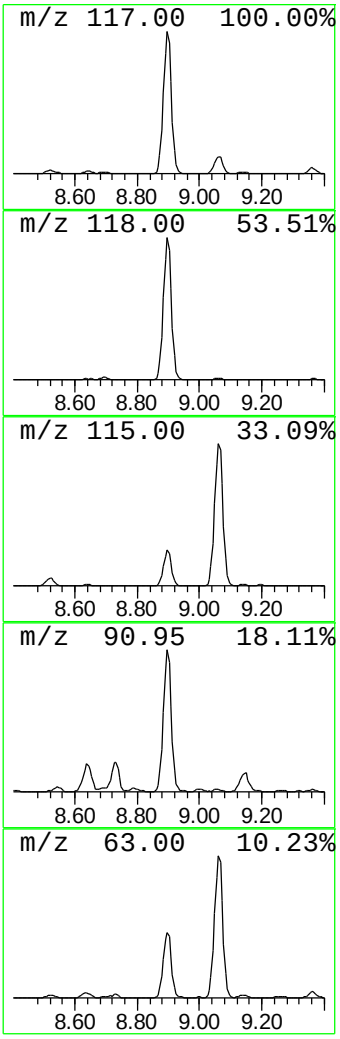
Peak Number 4 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	77.77 ng/ul	1514770	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	91
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





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Data File : BG027517.D
Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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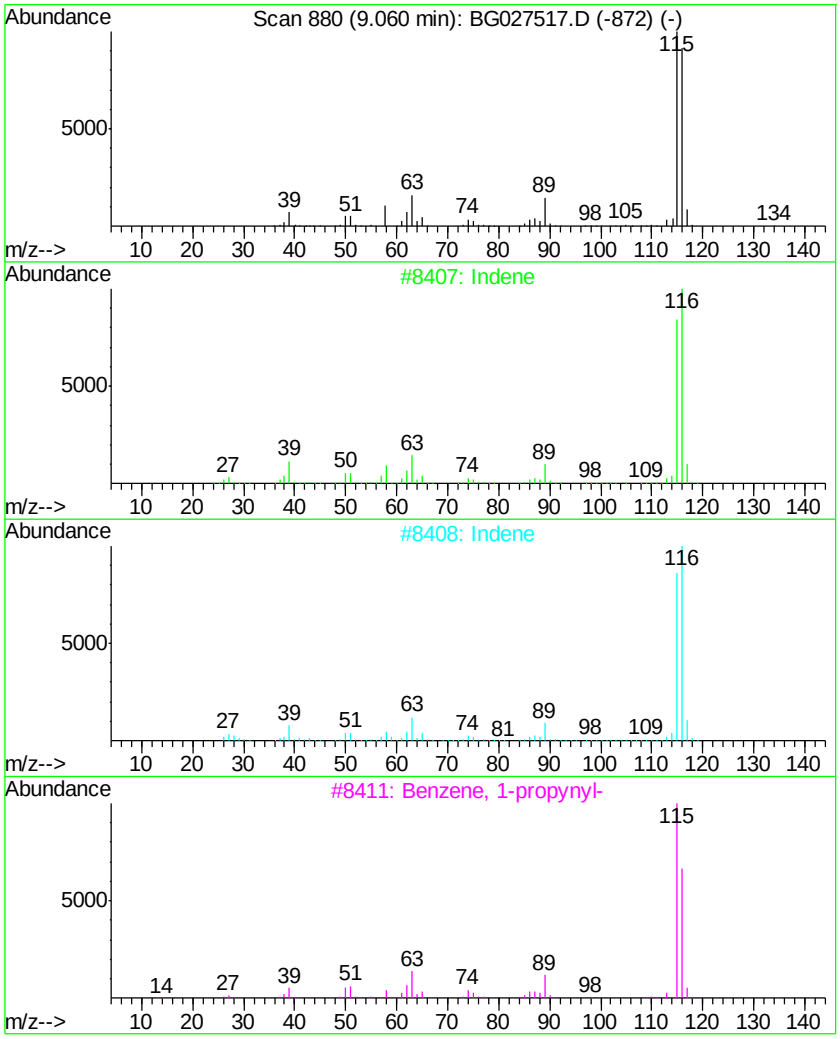
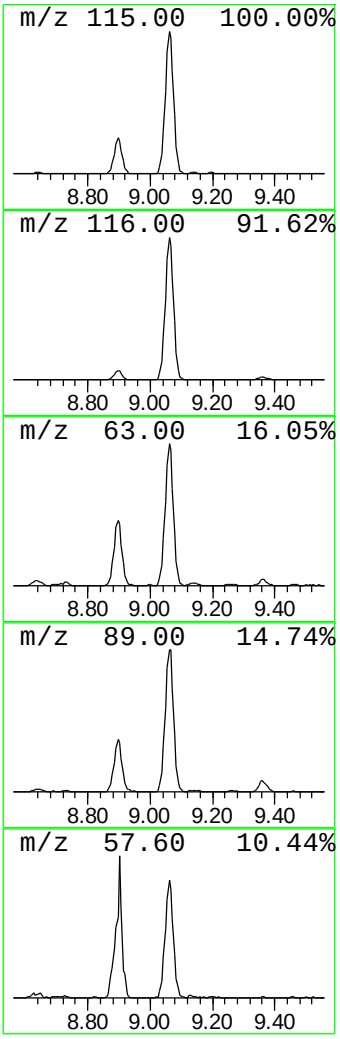
Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	106.91 ng/ul	2082290	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Indene	116	C9H8	000095-13-6	91





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

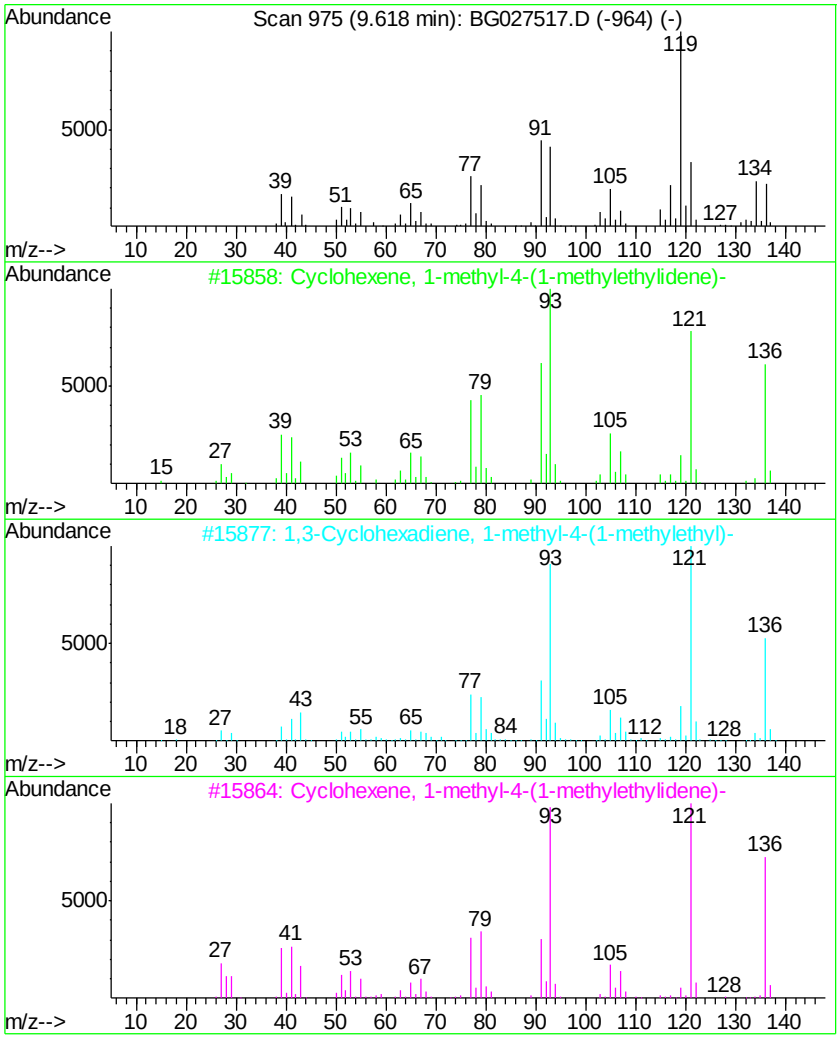
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

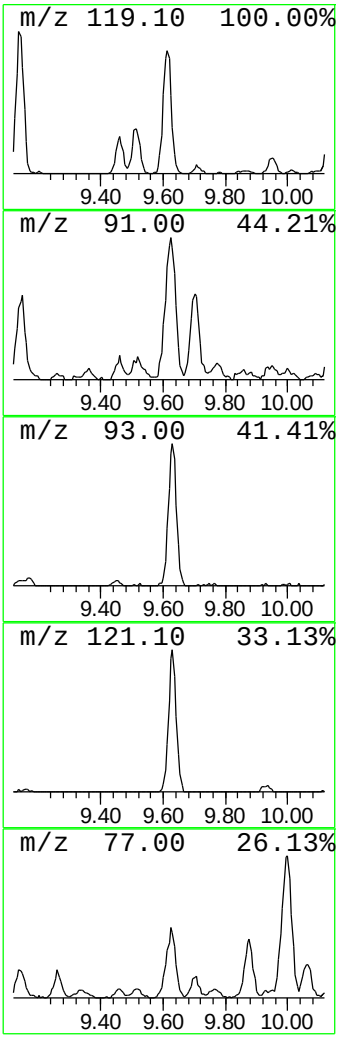
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	17.68 ng/ul	344309	1,4-Dichlorobenzene-d4	8.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	91
2	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	83
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	78
4	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	60
5	3,4-Dimethylbenzyl alcohol	136	C9H12O	006966-10-5	50





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Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

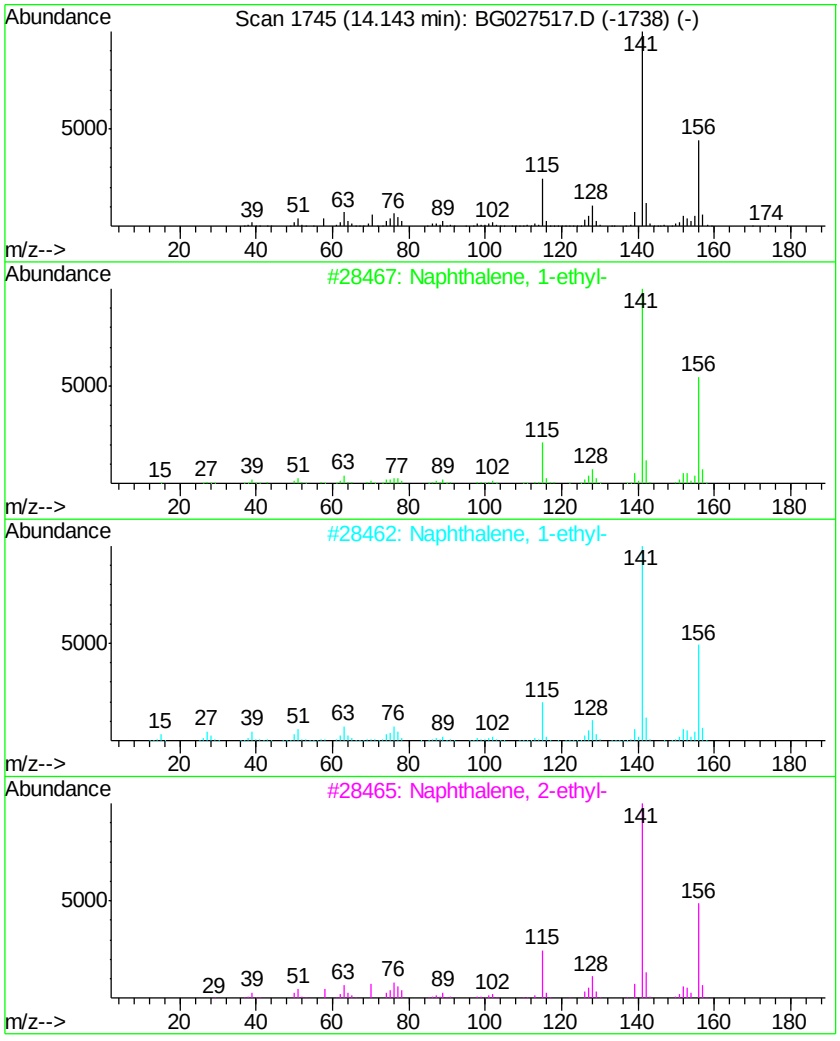
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

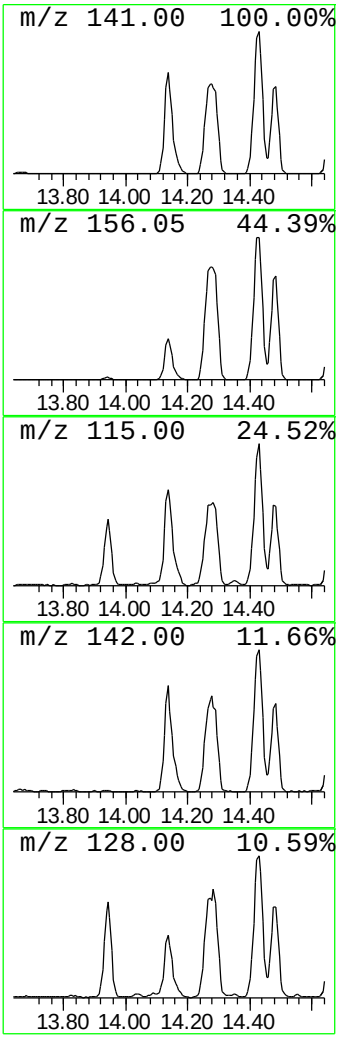
****

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	39.31 ng/ul	1468560	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Instrument : BNA_G
ClientSampleId : F5B27

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Quant Title : SVOA CALIBRATION

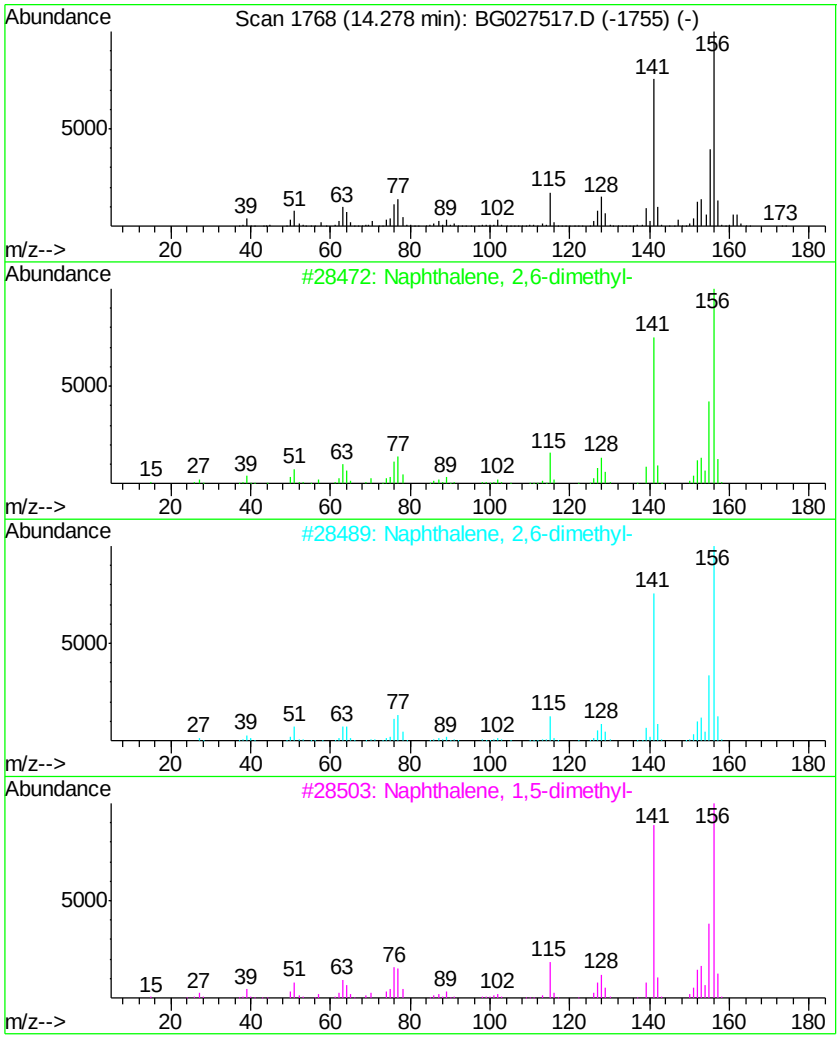
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

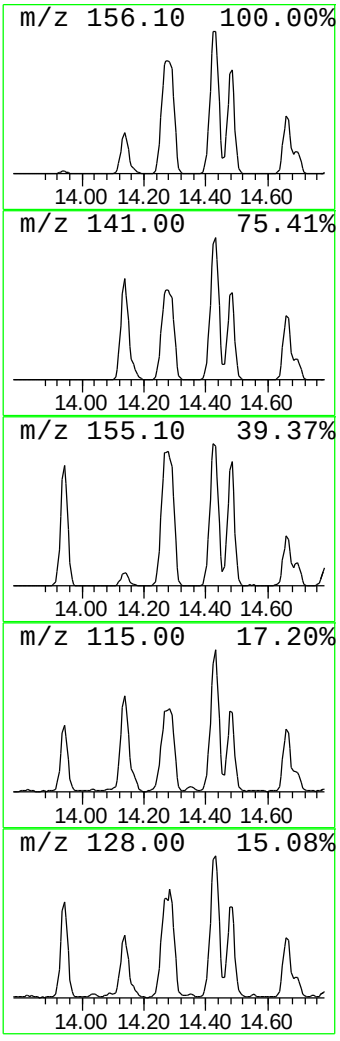
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	96.72 ng/ul	3613780	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98





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Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

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Quant Title : SVOA CALIBRATION

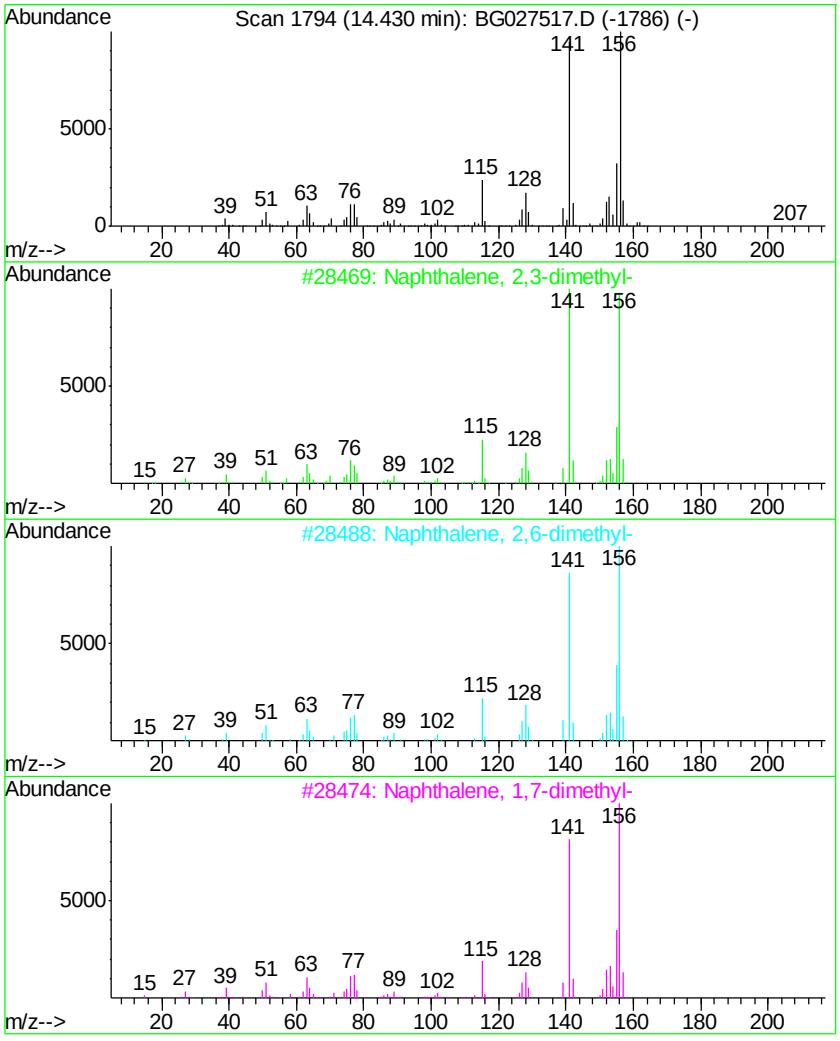
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

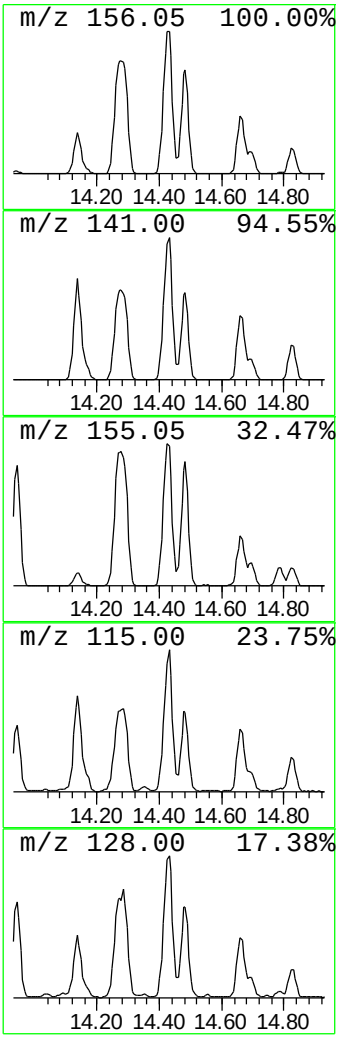
****

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	88.89 ng/ul	3321340	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98





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Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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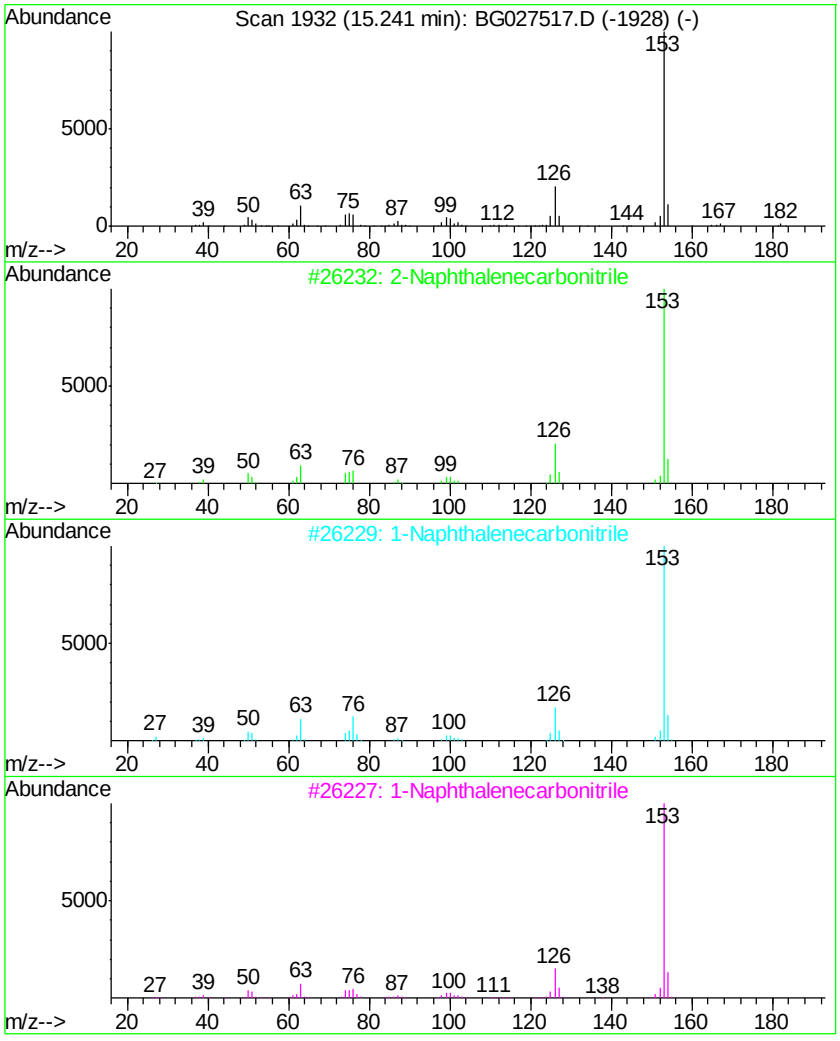
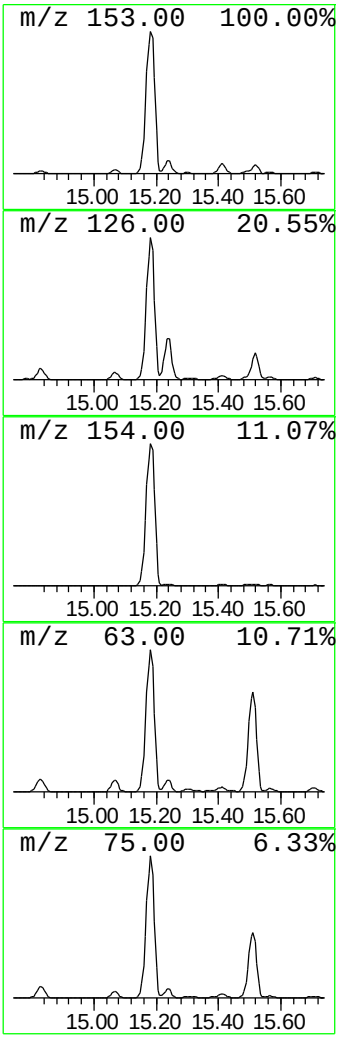
Peak Number 12 2-Naphthalenecarbonitrile Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	14.39 ng/ul	537783	Acenaphthene-d10	15.11

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	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	93
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	81





Library Search Compound Report

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Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

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Quant Title : SVOA CALIBRATION

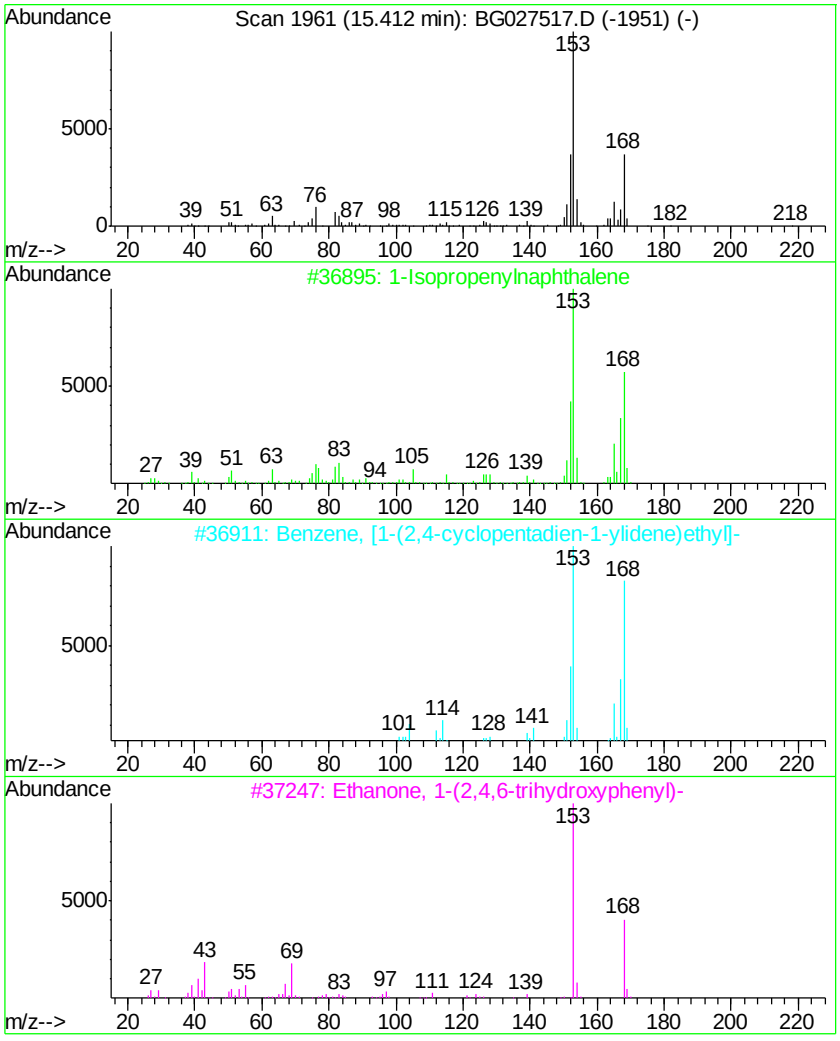
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

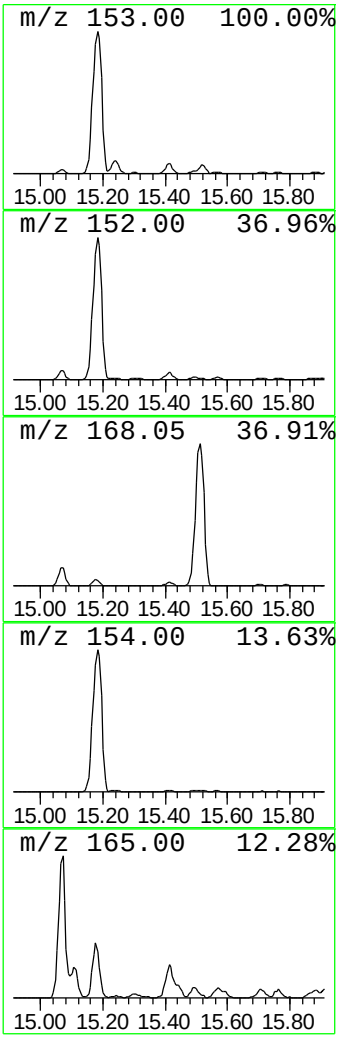
****

Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	22.32 ng/ul	833862	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





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Misc :
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Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

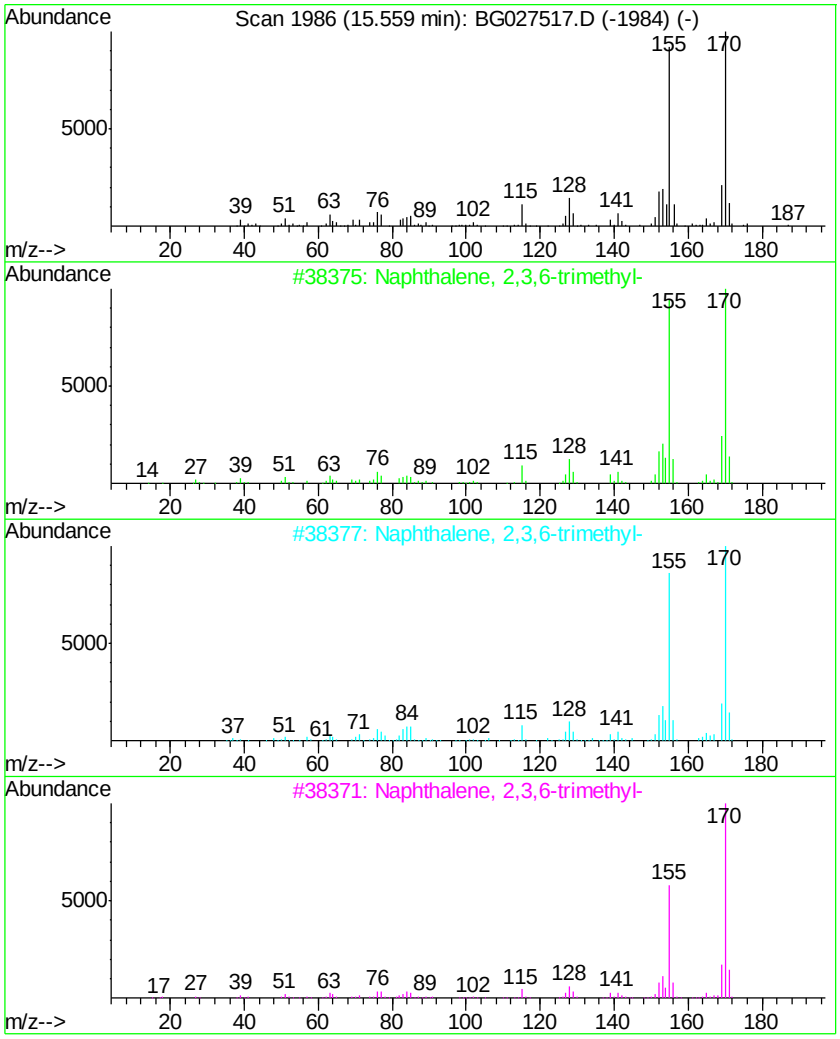
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

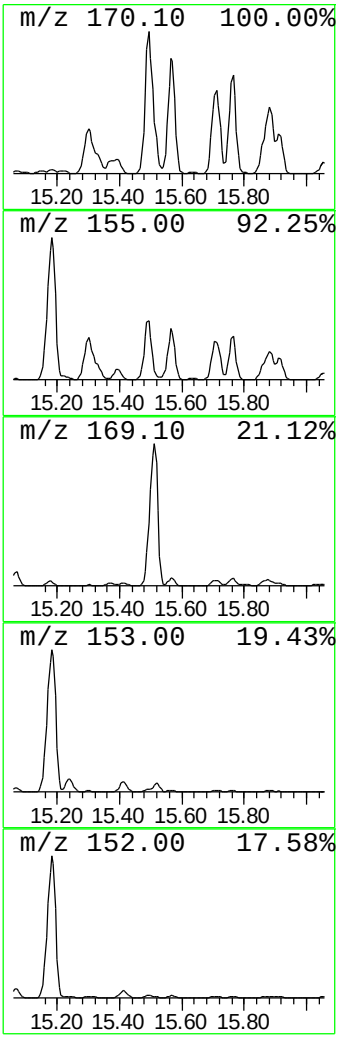
****

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	14.96 ng/ul	558925	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

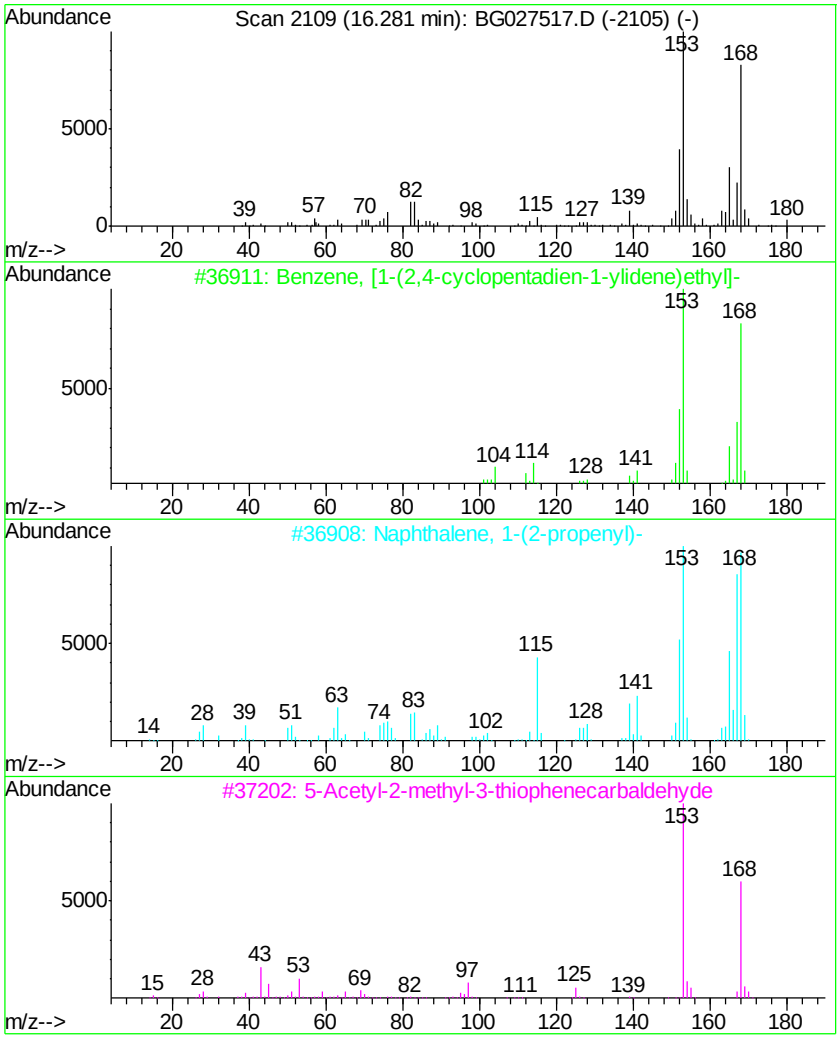
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

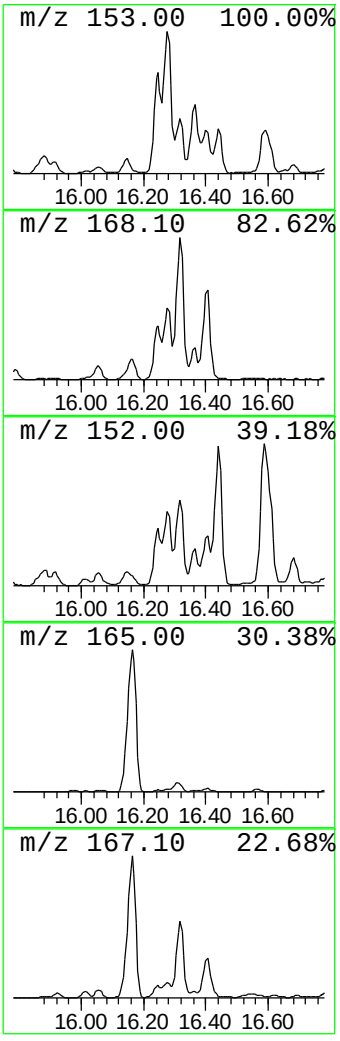
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, [1-(2,4-cyclopenta... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	20.81 ng/ul	777614	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50
4	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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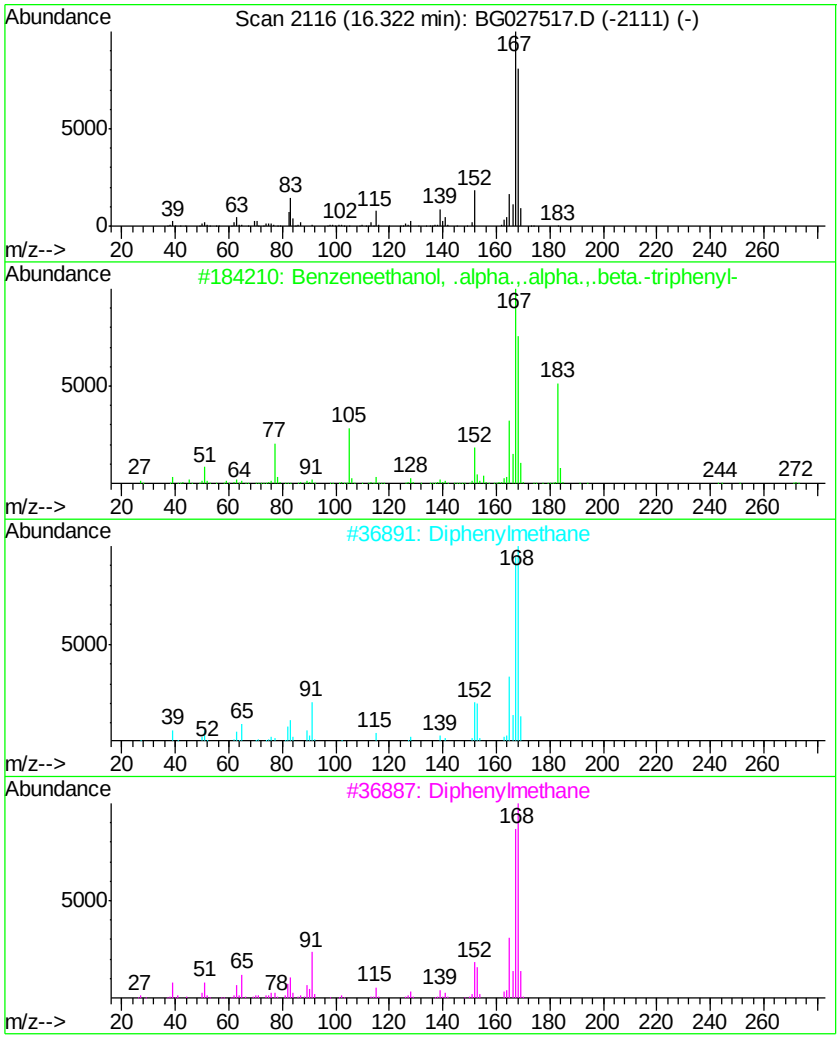
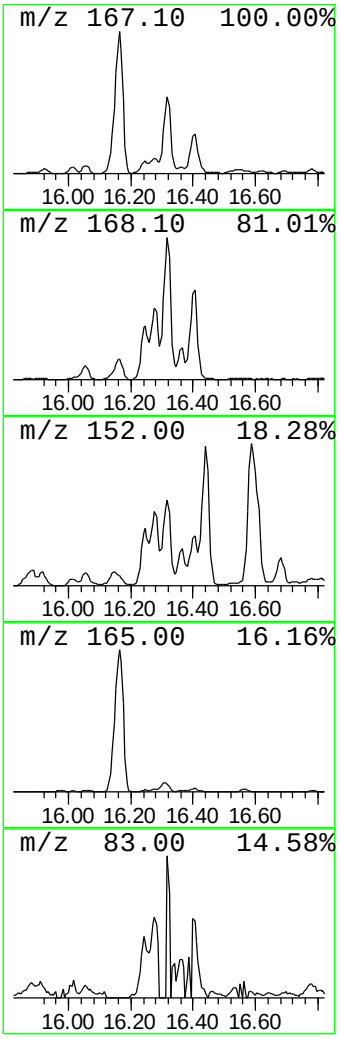
Peak Number 20 Benzeneethanol, .alpha.,.al... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	40.61 ng/ul	1517420	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	83
2	Diphenylmethane	168	C13H12	000101-81-5	83
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	78
5	Diphenylmethane	168	C13H12	000101-81-5	72





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Instrument : BNA_G
ClientSampleId : F5B27

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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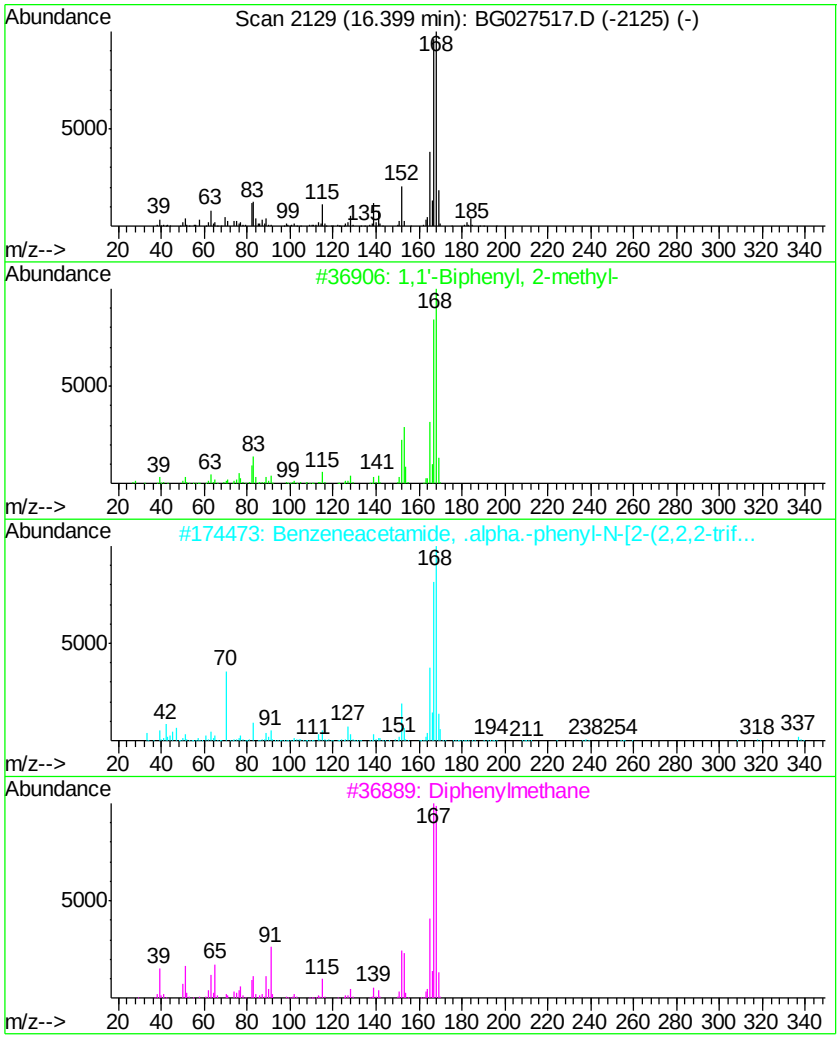
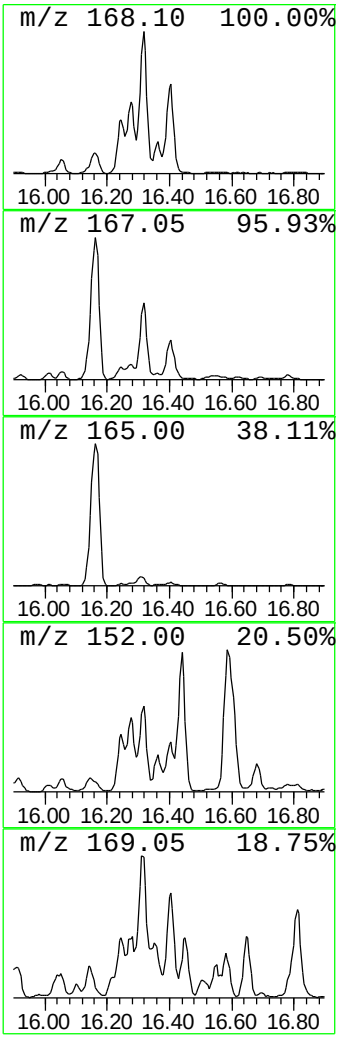
Peak Number 21 1,1'-Biphenyl, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	21.23 ng/ul	793057	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Benzeneacetamide, .alpha.-phenyl...	337	C18H18F3NO2	1000350-80-6	86
3	Diphenylmethane	168	C13H12	000101-81-5	76
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	Diphenylmethane	168	C13H12	000101-81-5	76





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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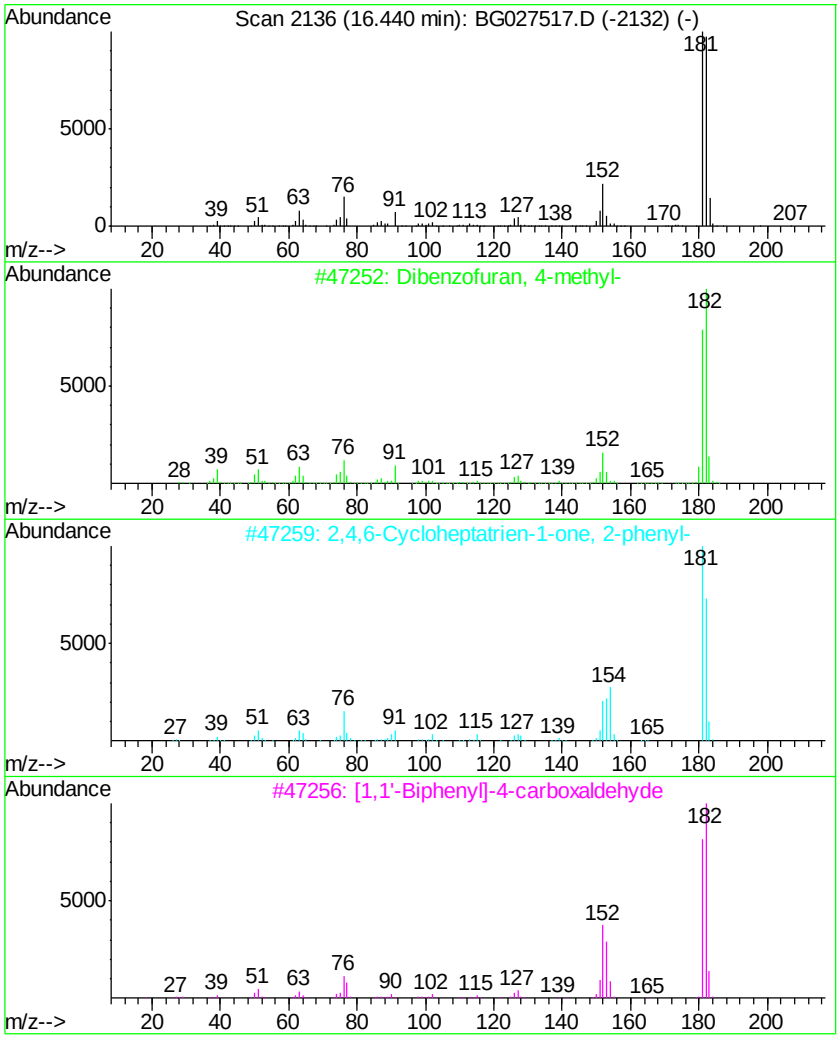
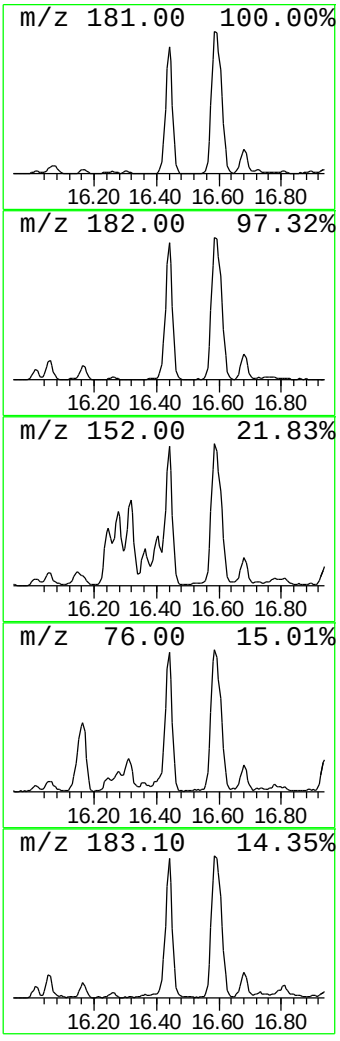
Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	48.39 ng/ul	1807820	Acenaphthene-d10	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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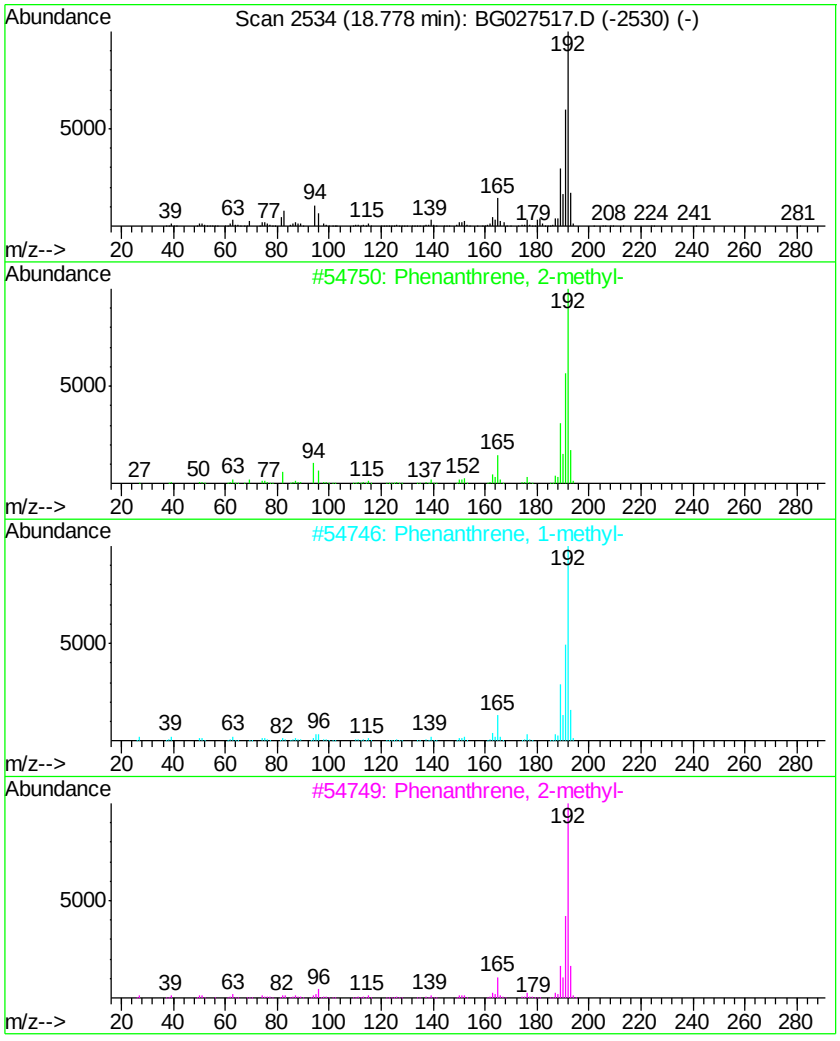
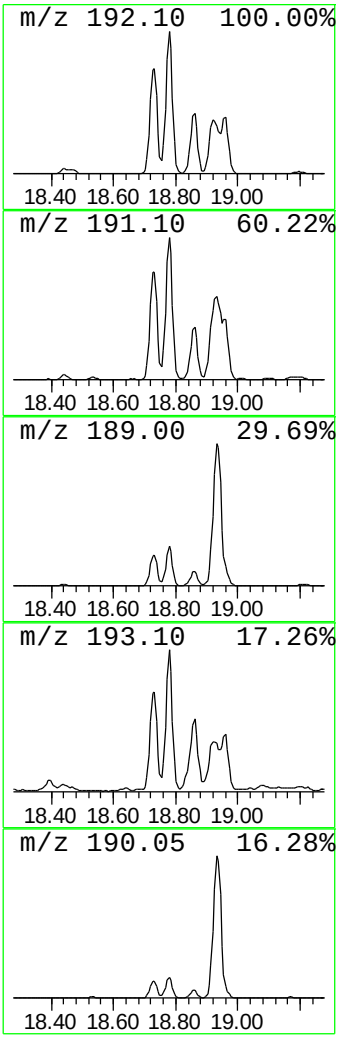
Peak Number 24 Phenanthrene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	2.18 ng/ul	3170860	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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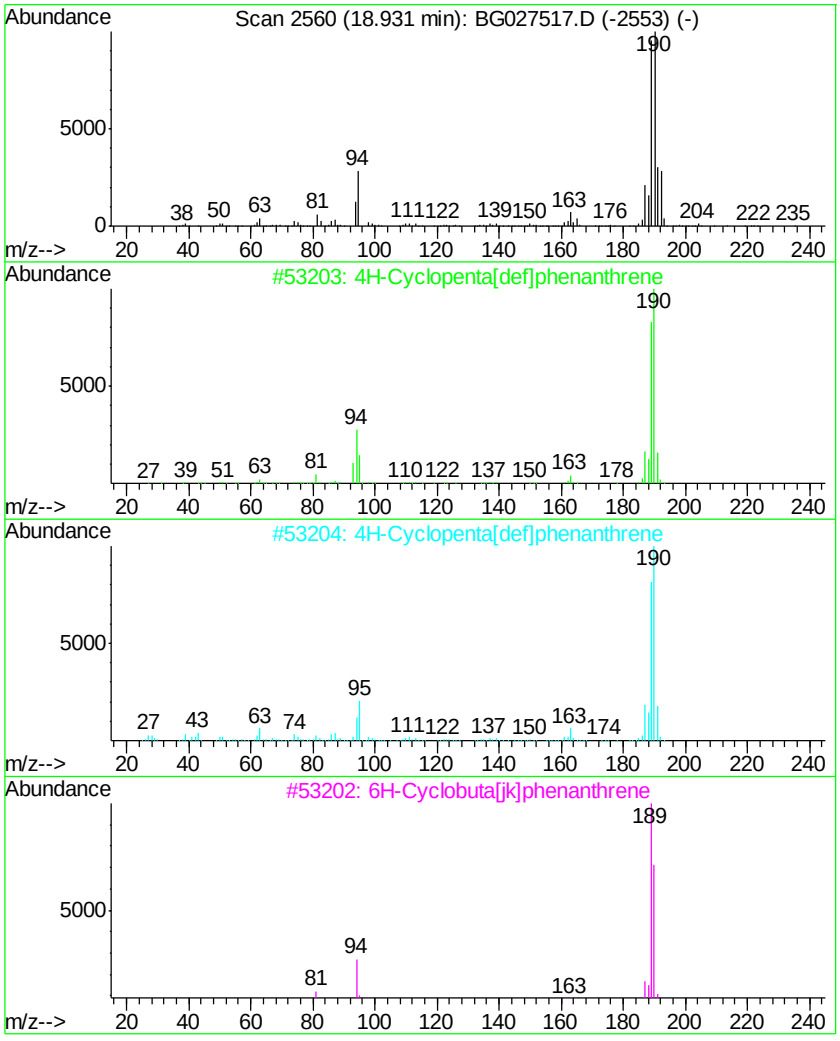
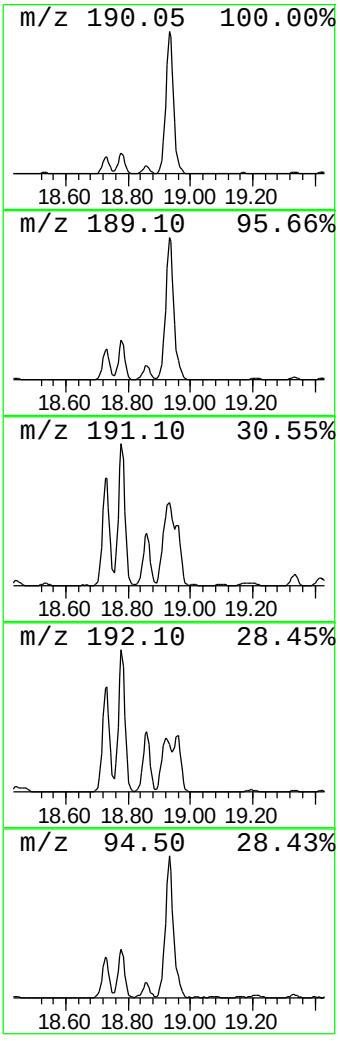
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.17 ng/ul	6080940	Phenanthrene-d10	17.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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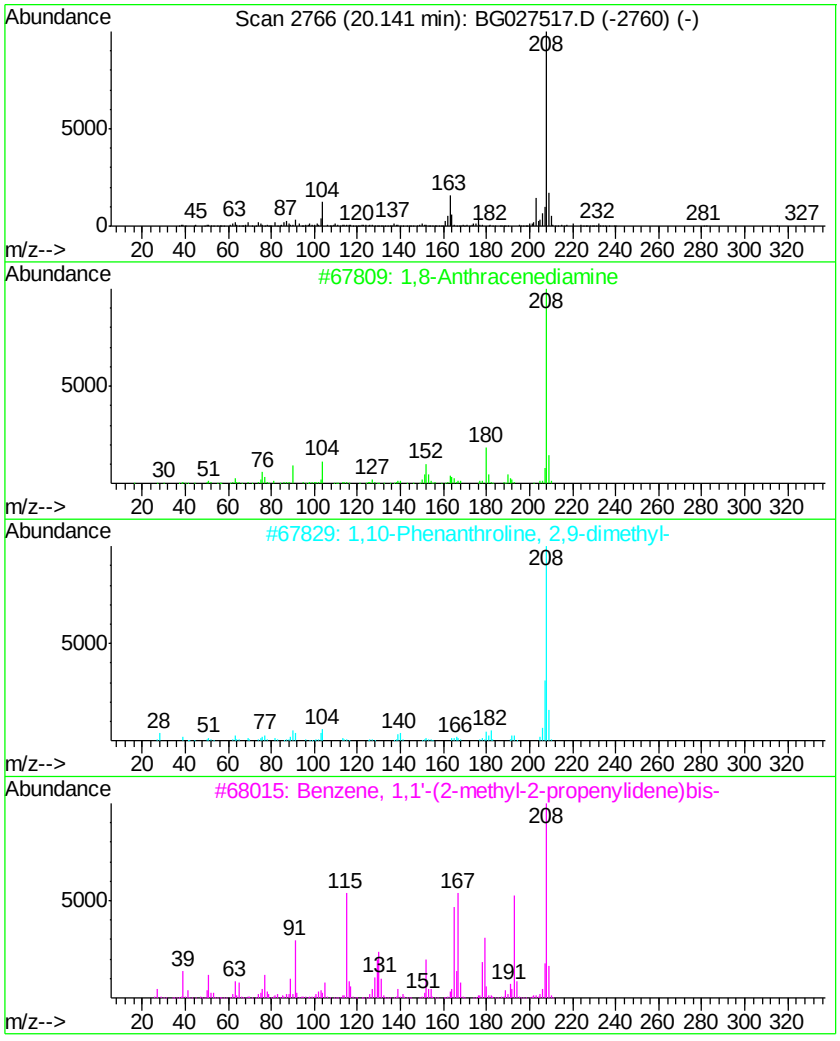
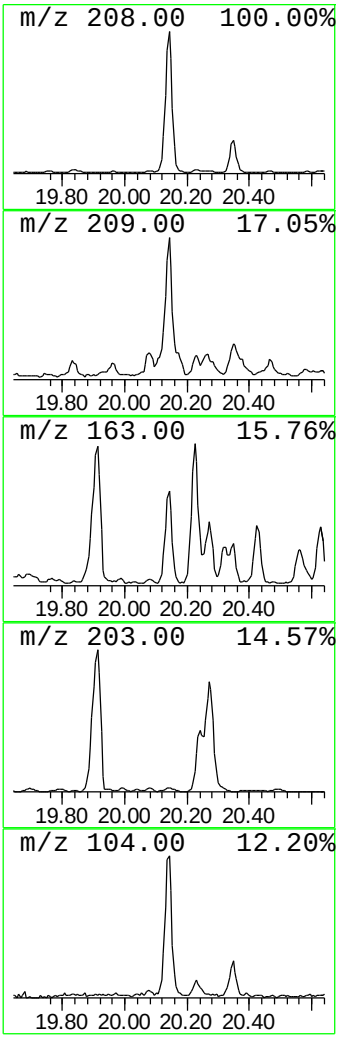
Peak Number 26 1,8-Anthracenediamine Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.48 ng/ul	881282	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
2	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	53
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53
4	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	52
5	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	50





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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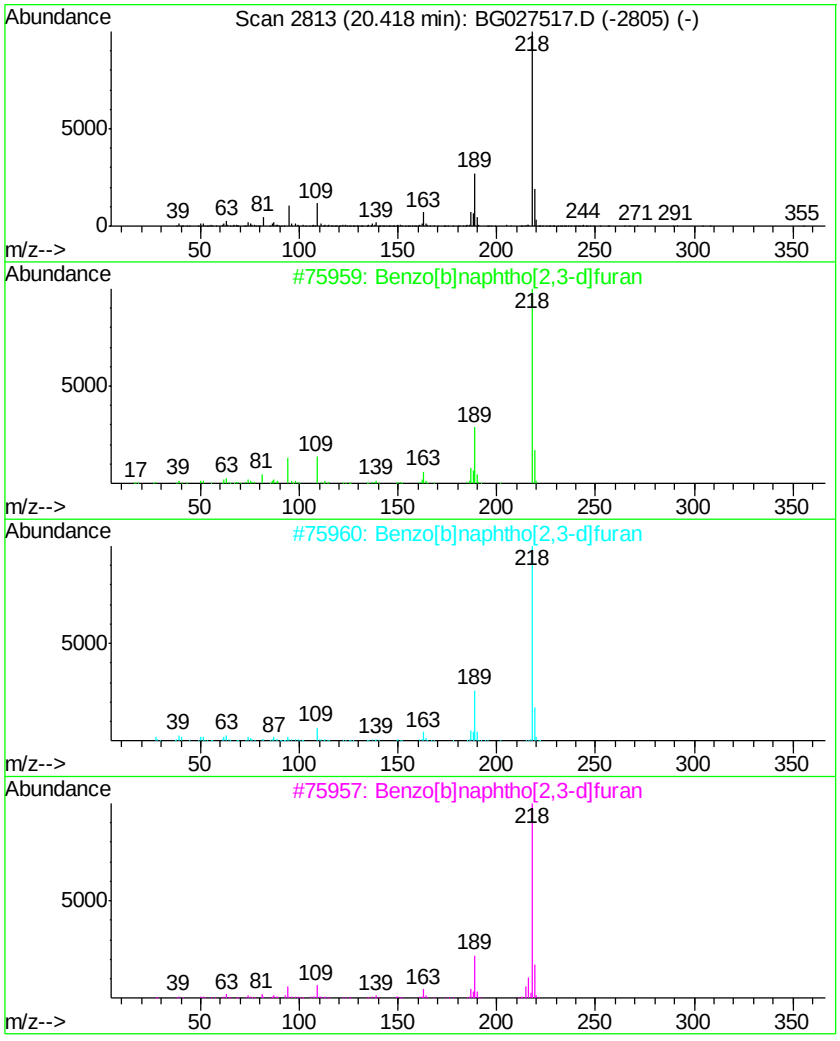
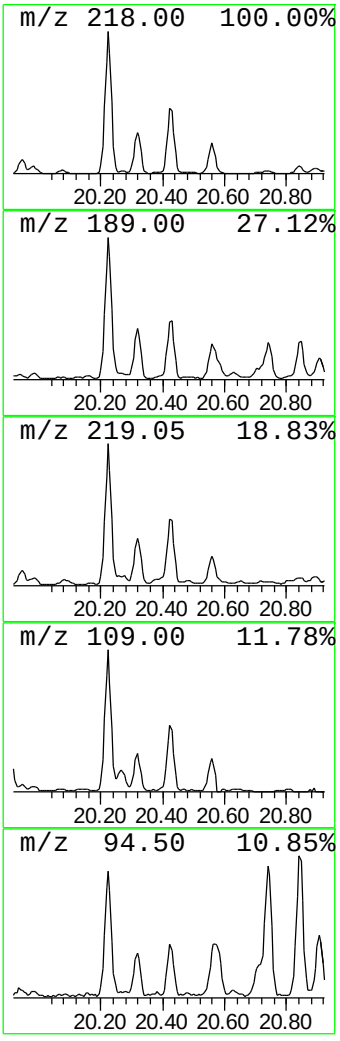
Peak Number 27 Benzo[b]naphtho[2,3-d]furan Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.44 ng/ul	866183	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	98
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95





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Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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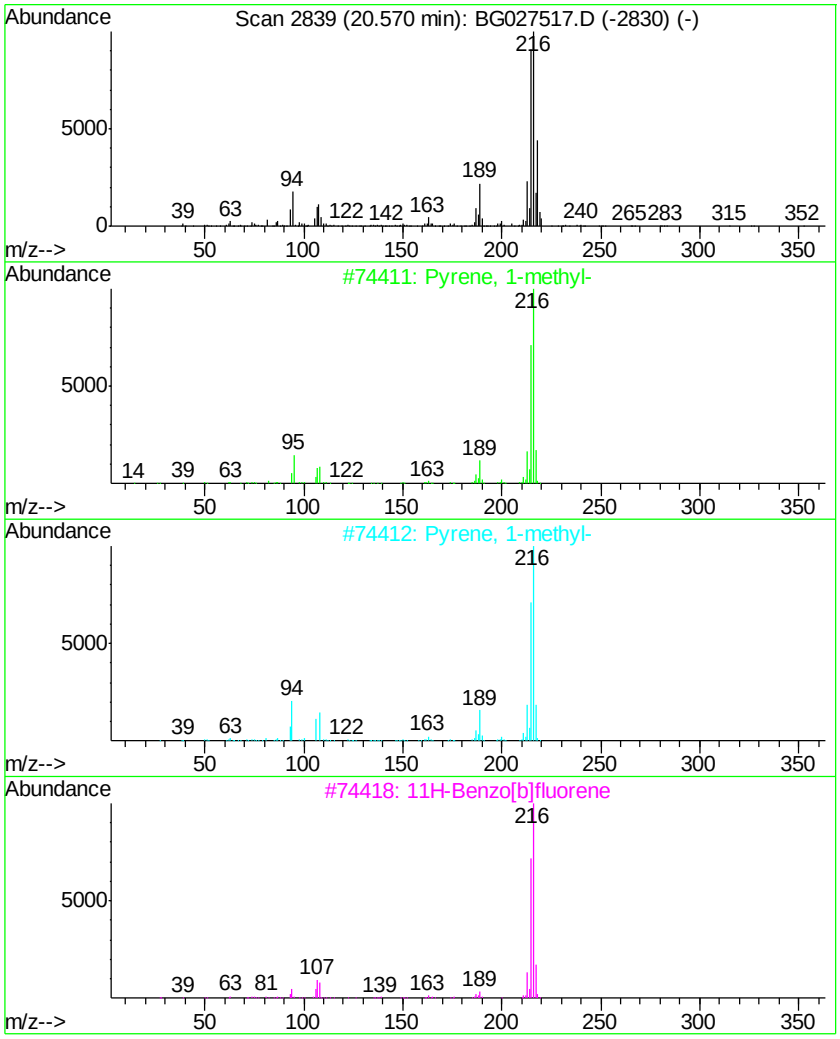
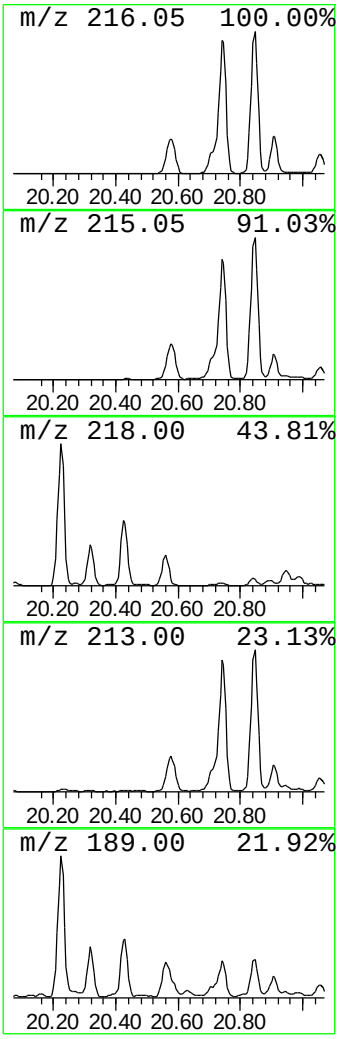
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	4.09 ng/ul	1450760	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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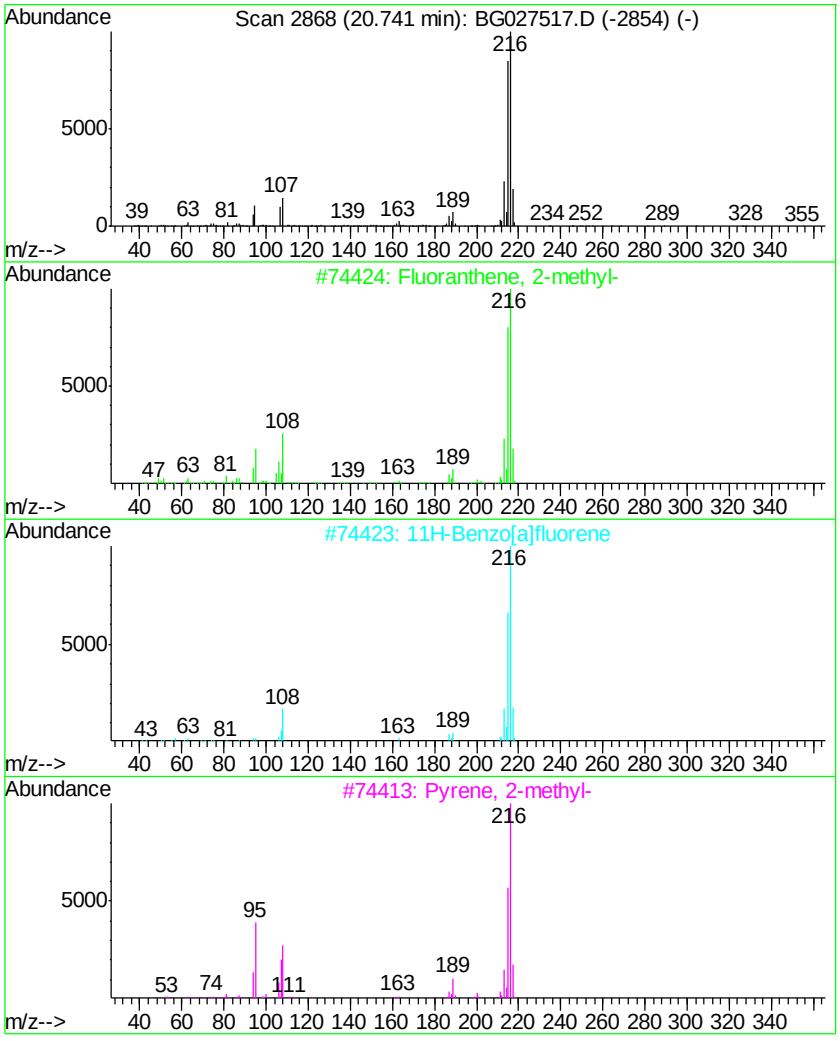
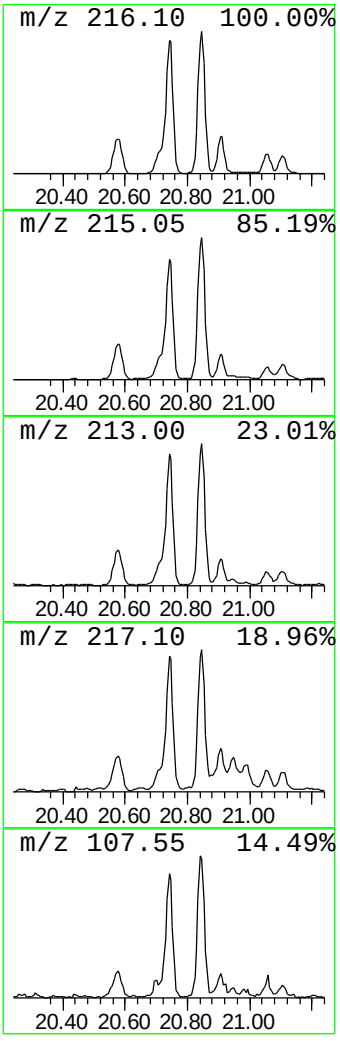
Peak Number 29 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	10.19 ng/ul	3614100	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B27

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	7.22	51.4	ng/ul	1000270	1	8.52	389556	20.0
Benzene, 1,2,3-tr...	8.16	23.7	ng/ul	461943	1	8.52	389556	20.0
D-Limonene	8.73	26.2	ng/ul	510120	1	8.52	389556	20.0
Indane	8.90	77.8	ng/ul	1514770	1	8.52	389556	20.0
Indene	9.06	106.9	ng/ul	2082290	1	8.52	389556	20.0
Cyclohexene, 1-me...	9.62	17.7	ng/ul	344309	1	8.52	389556	20.0
Naphthalene, 1-et...	14.14	39.3	ng/ul	1468560	3	15.11	747258	20.0
Naphthalene, 2,6-...	14.28	96.7	ng/ul	3613780	3	15.11	747258	20.0
Naphthalene, 2,3-...	14.43	88.9	ng/ul	3321340	3	15.11	747258	20.0
2-Naphthalenecarb...	15.24	14.4	ng/ul	537783	3	15.11	747258	20.0
1-Isopropenylnaph...	15.41	22.3	ng/ul	833862	3	15.11	747258	20.0
Naphthalene, 2,3,...	15.56	15.0	ng/ul	558925	3	15.11	747258	20.0
Benzene, [1-(2,4-...	16.28	20.8	ng/ul	777614	3	15.11	747258	20.0
Benzeneethanol, ...	16.32	40.6	ng/ul	1517420	3	15.11	747258	20.0
1,1'-Biphenyl, 2-...	16.40	21.2	ng/ul	793057	3	15.11	747258	20.0
Dibenzofuran, 4-m...	16.44	48.4	ng/ul	1807820	3	15.11	747258	20.0
Phenanthrene, 2-m...	18.78	2.2	ng/ul	3170860	4	17.87	29146000	20.0
4H-Cyclopenta[def...	18.93	4.2	ng/ul	6080940	4	17.87	29146000	20.0
1,8-Anthracenedia...	20.14	2.5	ng/ul	881282	5	22.24	7094190	20.0
Benzo[b]naphtho[2...	20.42	2.4	ng/ul	866183	5	22.24	7094190	20.0
Pyrene, 1-methyl-	20.57	4.1	ng/ul	1450760	5	22.24	7094190	20.0
Fluoranthene, 2-m...	20.74	10.2	ng/ul	3614100	5	22.24	7094190	20.0