LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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-BG080217.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	7.509	659	667	683	rVB	394824	784386	28.79%	1.253%
2	7.674	688	695	702	rBV	267381	456340	16.75%	0.729%
3	7.891	722	732	739	rVV	363270	656384	24.09%	1.049%
4	8.355	799	811	824	rVB	208516	401471	14.73%	0.641%
5	9.054	923	930	937	rVV	496740	898805	32.98%	1.436%
6	9.524	1003	1010	1022	rVB	383805	771389	28.31%	1.232%
7	10.253	1121	1134	1141	rBV	338903	648575	23.80%	1.036%
8	10.588	1181	1191	1196	rBV5	75365	233659	8.57%	0.373%
9	10.794	1219	1226	1234	rBV	515939	965152	35.42%	1.542%
10	11.175	1284	1291	1297	rBV	305500	582580	21.38%	0.931%
11	11.311	1306	1314	1325	rBV5	87755	252793	9.28%	0.404%
12	11.411	1327	1331	1344	rVB3	67643	207988	7.63%	0.332%
13	11.575	1355	1359	1367	rVV3	126324	265304	9.74%	0.424%
14	11.980	1423	1428	1435	rBV2	105099	177379	6.51%	0.283%
15	12.309	1479	1484	1492	rVV3	112656	247019	9.07%	0.395%
16	12.533	1517	1522	1528	rBV2	134766	209560	7.69%	0.335%
17	12.685	1543	1548	1563	rVB5	52241	175984	6.46%	0.281%
18	12.809	1563	1569	1572	rBV	139703	239721	8.80%	0.383%
19	12.967	1593	1596	1601	rVV3	92592	167446	6.15%	0.268%
20	13.026	1601	1606	1613	rVB	143264	243787	8.95%	0.389%
21	13.114	1615	1621	1625	rBV2	86249	174317	6.40%	0.278%
22	13.226	1632	1640	1649	rVB2	205861	420182	15.42%	0.671%
23	13.449	1671	1678	1684	rVV4	99448	247937	9.10%	0.396%
24	13.684	1706	1718	1724	rBV7	90586	289339	10.62%	0.462%
25	13.755	1724	1730	1734	rVB3	233703	368831	13.54%	0.589%
26	13.931	1750	1760	1767	rBV3	59292	193994	7.12%	0.310%
27	13.996	1767	1771	1779	rBV6	83514	237973	8.73%	0.380%
28	14.143	1785	1796	1807	rVB7	138356	464551	17.05%	0.742%
29	14.301	1808	1823	1827	rBV3	497719	1124040	41.25%	1.796%
30	14.354	1827	1832	1837	rVV	910089	1531661	56.21%	2.447%
31	14.401	1837	1840	1845	rVV	165263	252502	9.27%	0.403%
32	14.519	1854	1860	1868	rBV6	76959	201600	7.40%	0.322%
33	14.660	1878	1884	1896	rBV	961965	1749766	64.21%	2.795%
34	14.818	1906	1911	1915	rVB	237995	306433	11.25%	0.490%

LSC Area Percent Report

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Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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-BG080217.M
Title : SVOA CALIBRATION

35	14.965	1925	1936	1944	rBV2	517658	1075876	39.48%	1.719%
36	15.094	1953	1958	1964	rVV	577411	853190	31.31%	1.363%
37	15.177	1964	1972	1981	rVB2	277119	644323	23.65%	1.029%
38	15.353	1996	2002	2010	rVB5	170011	399892	14.68%	0.639%
39	15.429	2010	2015	2025	rBV3	143167	293057	10.75%	0.468%
40	15.576	2031	2040	2044	rBV6	96755	234050	8.59%	0.374%
41	15.629	2044	2049	2057	rVV7	127573	273894	10.05%	0.438%
42	15.723	2058	2065	2069	rBV4	156141	360803	13.24%	0.576%
43	15.764	2069	2072	2078	rVB2	216117	301990	11.08%	0.482%
44	15.882	2087	2092	2097	rBV	472192	680915	24.99%	1.088%
45	15.958	2099	2105	2109	rBV	1134888	1754297	64.38%	2.803%
46	16.005	2110	2113	2120	rVV3	188415	312018	11.45%	0.498%
47	16.076	2120	2125	2133	rVB2	389148	603110	22.13%	0.964%
48	16.299	2154	2163	2170	rVB4	100791	274856	10.09%	0.439%
49	16.387	2174	2178	2182	rBV3	126036	219058	8.04%	0.350%
50	16.446	2184	2188	2195	rVB	130128	277519	10.18%	0.443%
51	16.546	2201	2205	2213	rBV6	115767	319196	11.71%	0.510%
52	16.628	2213	2219	2223	rBV2	416546	568039	20.85%	0.907%
53	16.992	2275	2281	2288	rBV3	301166	757985	27.82%	1.211%
54	17.063	2288	2293	2298	rBV4	156539	286017	10.50%	0.457%
55	17.239	2316	2323	2336	rVB5	197204	611324	22.43%	0.977%
56	17.421	2350	2354	2362	rVB2	390929	716700	26.30%	1.145%
57	17.556	2371	2377	2383	rVB	246261	407348	14.95%	0.651%
58	17.715	2397	2404	2408	rBV	564492	1020922	37.47%	1.631%
59	17.756	2408	2411	2415	rVV	259294	369311	13.55%	0.590%
60	17.815	2415	2421	2429	rVV	1273268	2134868	78.35%	3.411%
61	17.885	2429	2433	2440	rVB3	291485	567915	20.84%	0.907%
62	18.161	2476	2480	2491	rVB	423858	714586	26.22%	1.142%
63	18.338	2506	2510	2516	rBV6	115510	217671	7.99%	0.348%
64	18.455	2526	2530	2536	rBV8	105512	187175	6.87%	0.299%
65	18.567	2544	2549	2556	rBV4	258523	564449	20.71%	0.902%
66	18.631	2556	2560	2568	rVB3	206079	384218	14.10%	0.614%
67	18.714	2569	2574	2579	rBV3	149974	263910	9.69%	0.422%
68	18.772	2579	2584	2587	rBV3	144932	288844	10.60%	0.461%
69	18.808	2588	2590	2593	rVV4	143594	177018	6.50%	0.283%
70	18.843	2593	2596	2602	rVB	385837	448980	16.48%	0.717%
71	19.466	2699	2702	2708	rBV2	610726	858698	31.51%	1.372%

LSC Area Percent Report

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Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	19.748	2745	2750	2755	rVB	190150	373127	13.69%	0.596%
73	19.824	2758	2763	2772	rVB	138231	269691	9.90%	0.431%
74	20.012	2791	2795	2797	rBV	750592	877159	32.19%	1.401%
75	20.036	2797	2799	2803	rVV	804295	951081	34.90%	1.519%
76	20.089	2803	2808	2819	rVB2	1567125	2724910	100.00%	4.353%
77	20.564	2882	2889	2900	rBV2	509350	907924	33.32%	1.450%
78	20.764	2918	2923	2927	rBV4	97610	206960	7.60%	0.331%
79	21.052	2966	2972	2974	rBV2	647896	917926	33.69%	1.466%
80	21.610	3062	3067	3079	rVB	874426	1425270	52.31%	2.277%
81	21.781	3090	3096	3103	rVB2	544334	949137	34.83%	1.516%
82	22.051	3131	3142	3148	rBV	661985	1504178	55.20%	2.403%
83	22.174	3158	3163	3172	rBV2	499858	1038844	38.12%	1.660%
84	22.251	3172	3176	3188	rVB	409016	640790	23.52%	1.024%
85	22.879	3278	3283	3292	rVB2	270332	516867	18.97%	0.826%
86	23.079	3311	3317	3328	rVB3	220333	534841	19.63%	0.854%
87	23.567	3395	3400	3410	rVB3	189498	428641	15.73%	0.685%
88	23.678	3414	3419	3426	rVB3	148557	277226	10.17%	0.443%
89	24.883	3620	3624	3635	rVB2	81725	215083	7.89%	0.344%
90	25.329	3690	3700	3719	rVB2	750013	2391139	87.75%	3.820%
91	25.570	3733	3741	3763	rVB3	322971	1170462	42.95%	1.870%
92	25.829	3780	3785	3794	rVB3	98285	265565	9.75%	0.424%
93	26.217	3843	3851	3861	rVB3	276504	846402	31.06%	1.352%
94	26.681	3921	3930	3947	rVB3	223763	875097	32.11%	1.398%
95	26.881	3953	3964	3976	rVB4	576028	1835043	67.34%	2.932%
96	27.004	3980	3985	3996	rVB4	129733	349036	12.81%	0.558%
97	27.116	3997	4004	4015	rVB4	101629	312760	11.48%	0.500%
98	27.527	4051	4074	4091	rVB4	496300	2642893	96.99%	4.222%
99	29.301	4370	4376	4392	rVB7	102987	391721	14.38%	0.626%
100	29.566	4415	4421	4432	rVB7	50441	181305	6.65%	0.290%

Sum of corrected areas: 62593948

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
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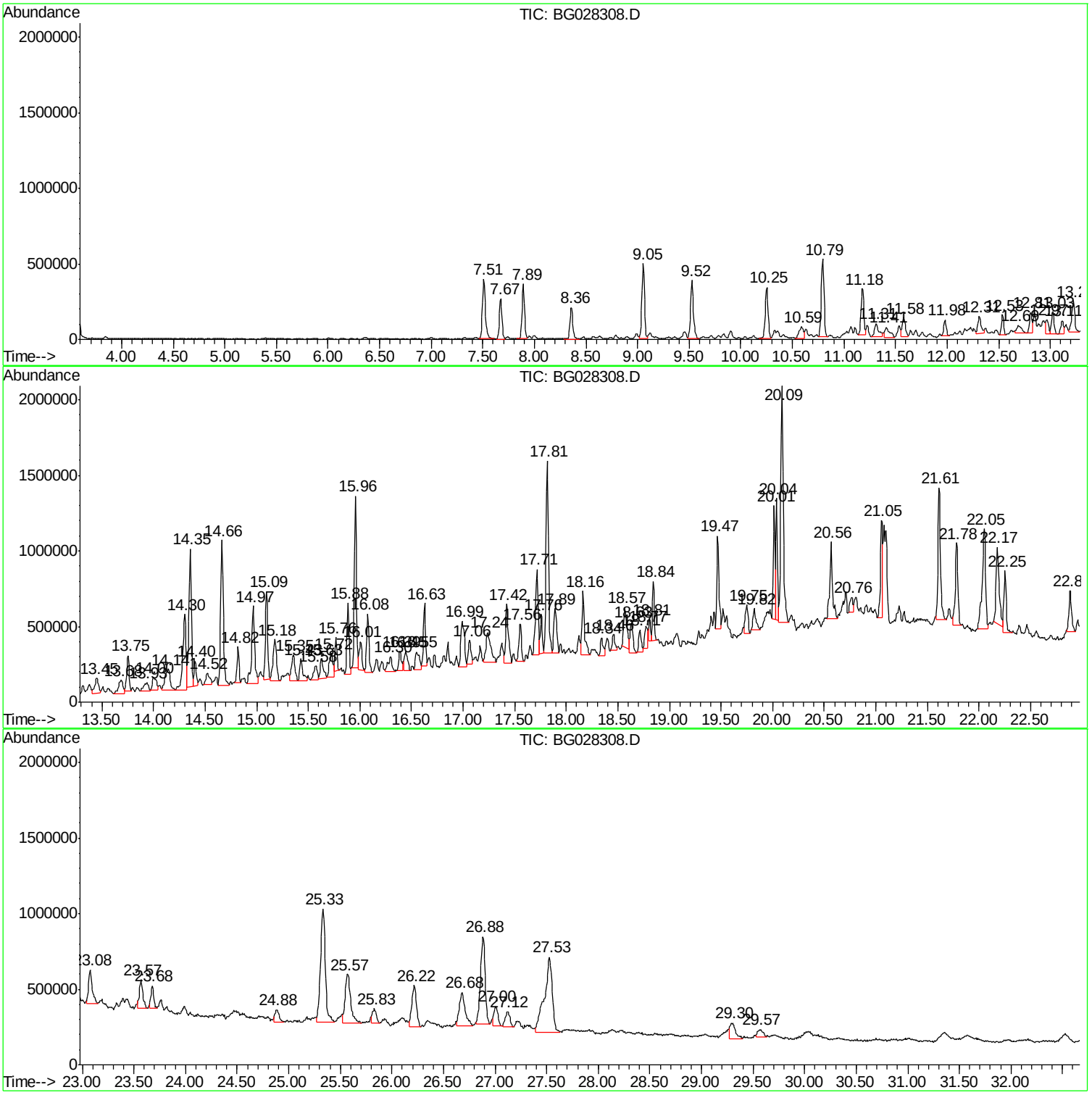
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

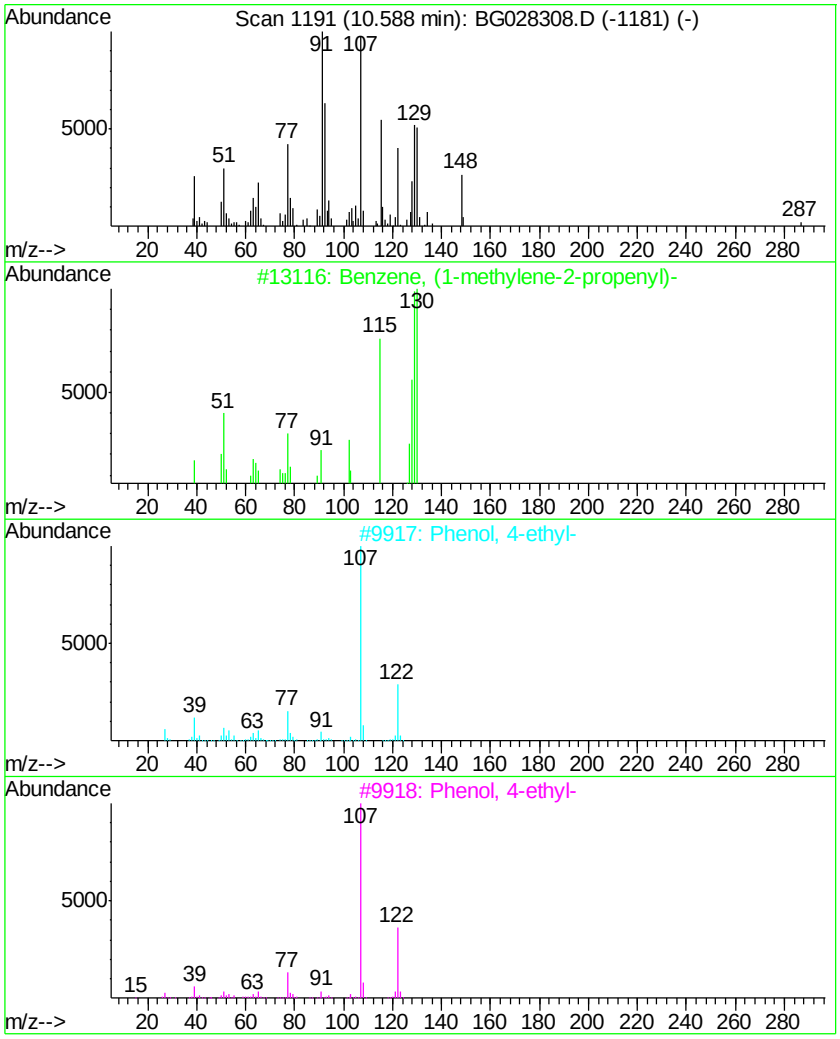
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

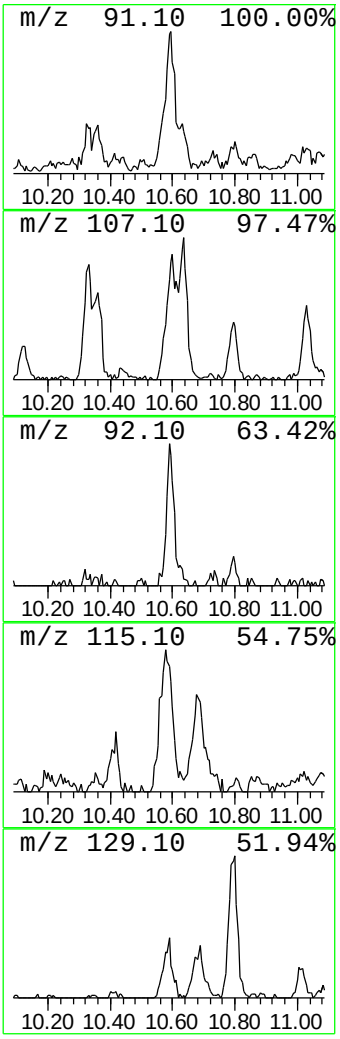
****

Peak Number 1 Benzene, (1-methylene-2-pro... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	8.02 ng/ul	233659	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	70
2	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	42
3	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	42
4	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	38
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

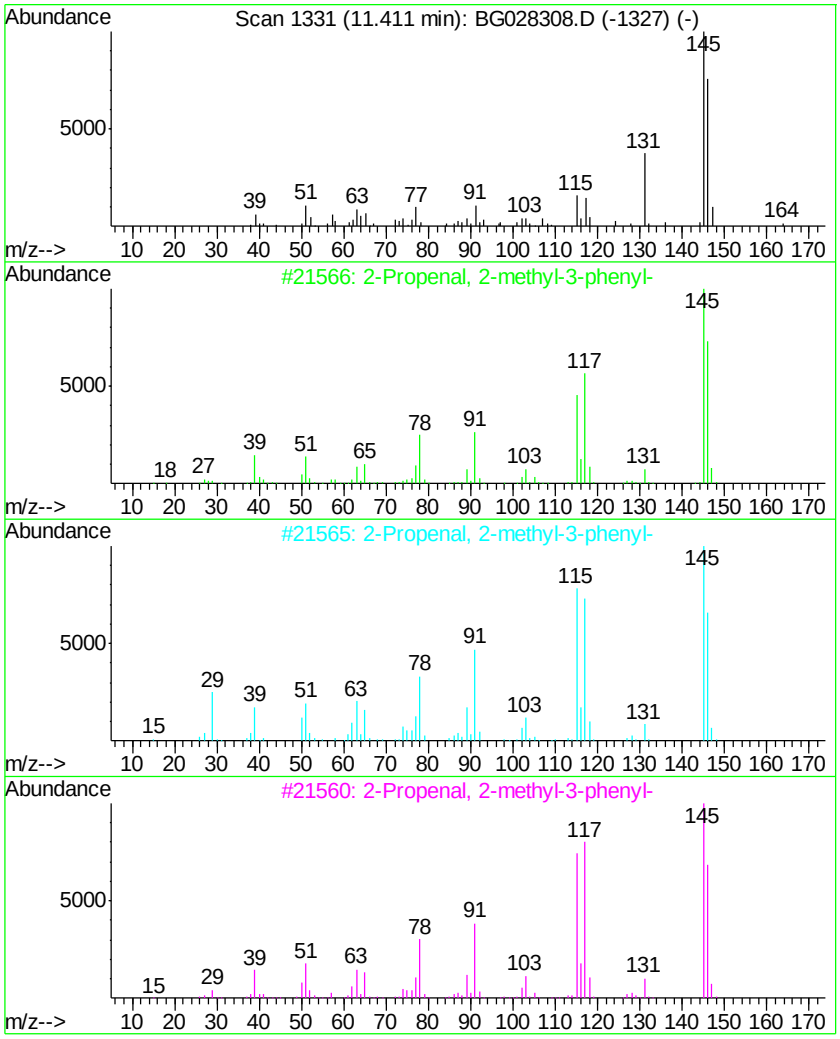
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

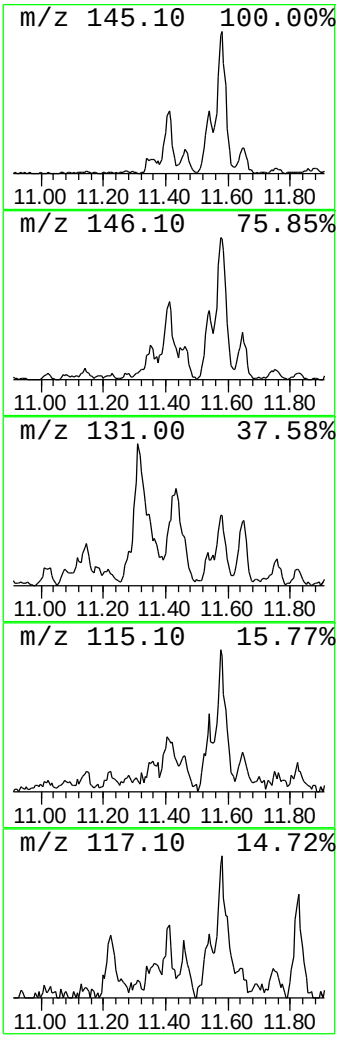
****

Peak Number 2 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	7.14 ng/ul	207988	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	86
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	80
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	78
4	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	76
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	72





Library Search Compound Report

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Acq On : 12 Aug 2017 3:32
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Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

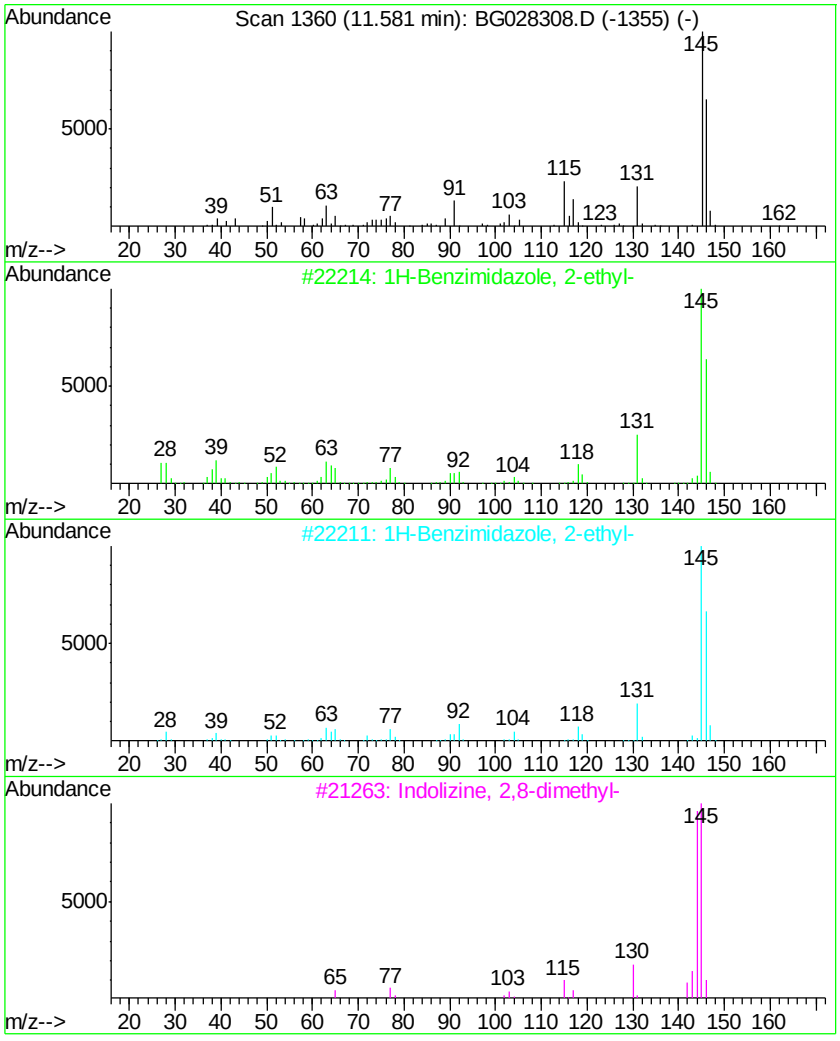
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

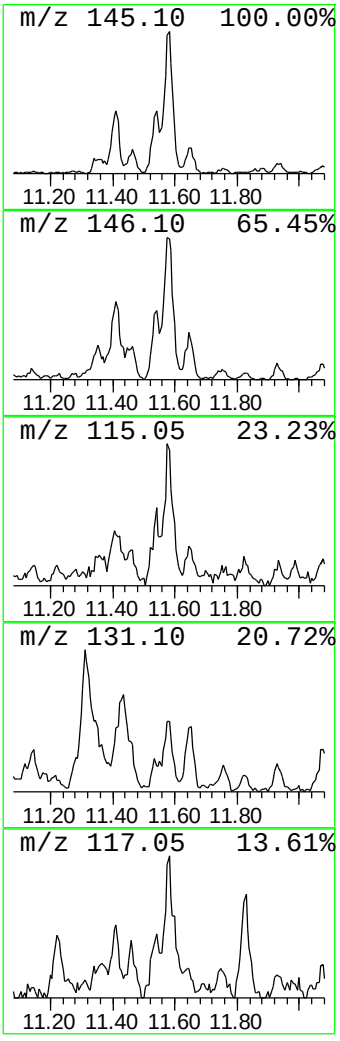
****

Peak Number 3 1H-Benzimidazole, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	9.11 ng/ul	265304	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
3	Indolizine, 2,8-dimethyl-	145	C10H11N	031108-59-5	47
4	Indolizine, 2,6-dimethyl-	145	C10H11N	000769-88-0	47
5	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	43





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

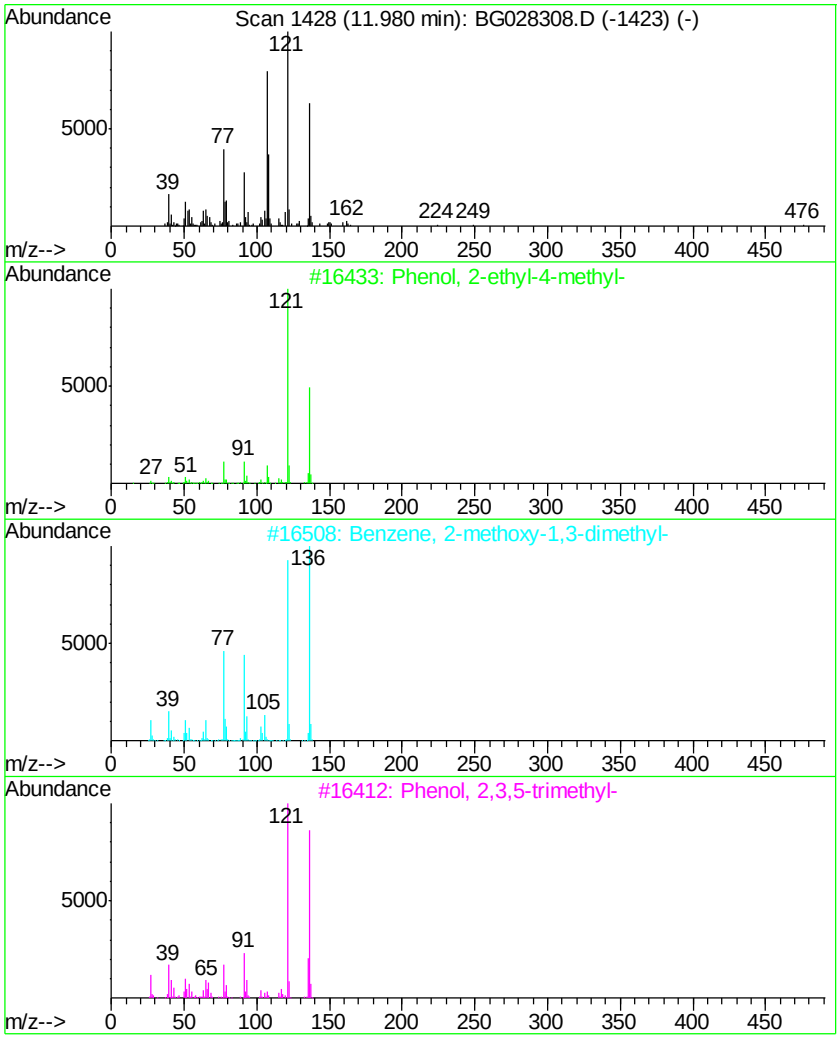
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

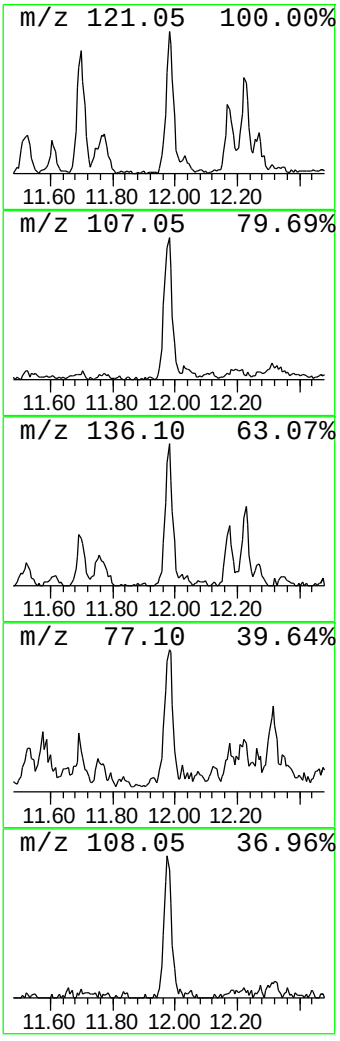
****

Peak Number 4 Phenol, 2-ethyl-4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.09 ng/ul	177379	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	58
2	Benzene, 2-methoxy-1,3-dimethyl-	136	C9H12O	001004-66-6	52
3	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	45
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	43
5	Hydrazine, 1-(4-ethylphenyl)-	136	C8H12N2	054840-34-5	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

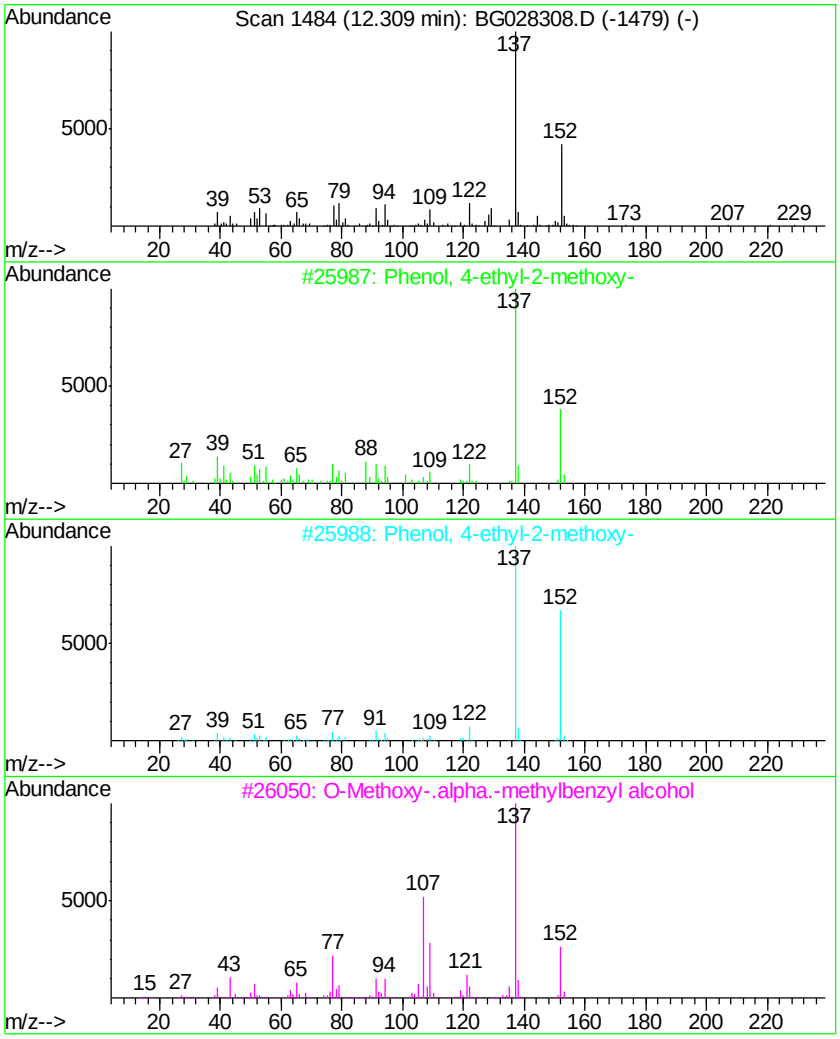
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

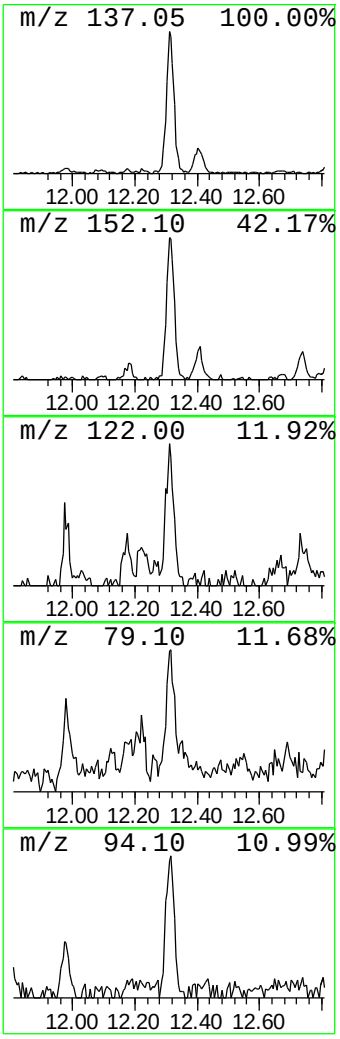
****

Peak Number 5 Phenol, 4-ethyl-2-methoxy- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	8.48 ng/ul	247019	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	93
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	83
3	O-Methoxy-.alpha.-methylbenzyl a...	152	C9H12O2	013513-82-1	72
4	Ethanone, 1-(2,4-dihydroxyphenyl)-	152	C8H8O3	000089-84-9	64
5	Resorcinol, 2-acetyl-	152	C8H8O3	000699-83-2	64





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Sample : I4529-11
Misc :
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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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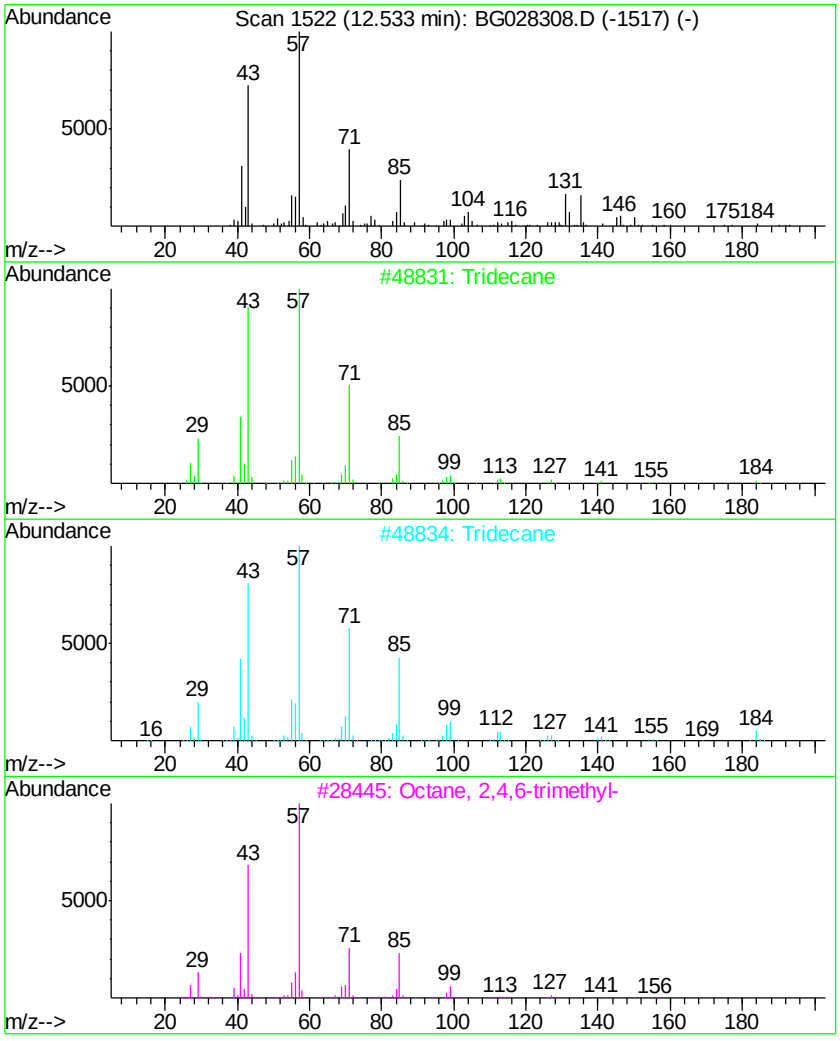
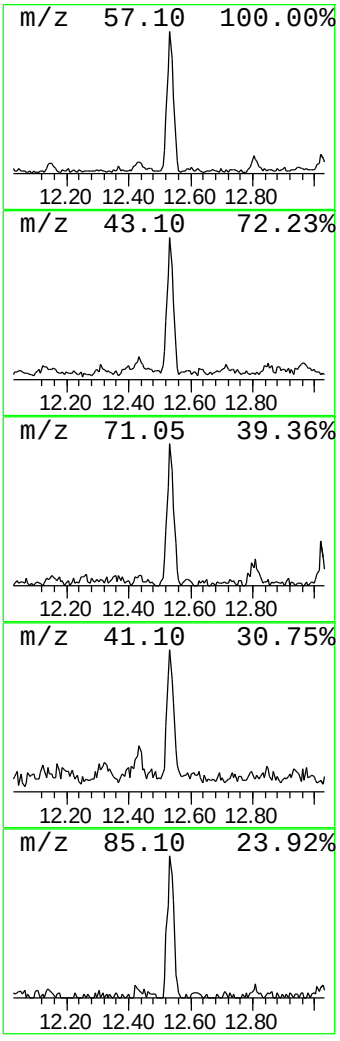
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.19 ng/ul	209560	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Tridecane	184	C13H28	000629-50-5	60
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	52
4	Decane	142	C10H22	000124-18-5	52
5	Pentadecane	212	C15H32	000629-62-9	50





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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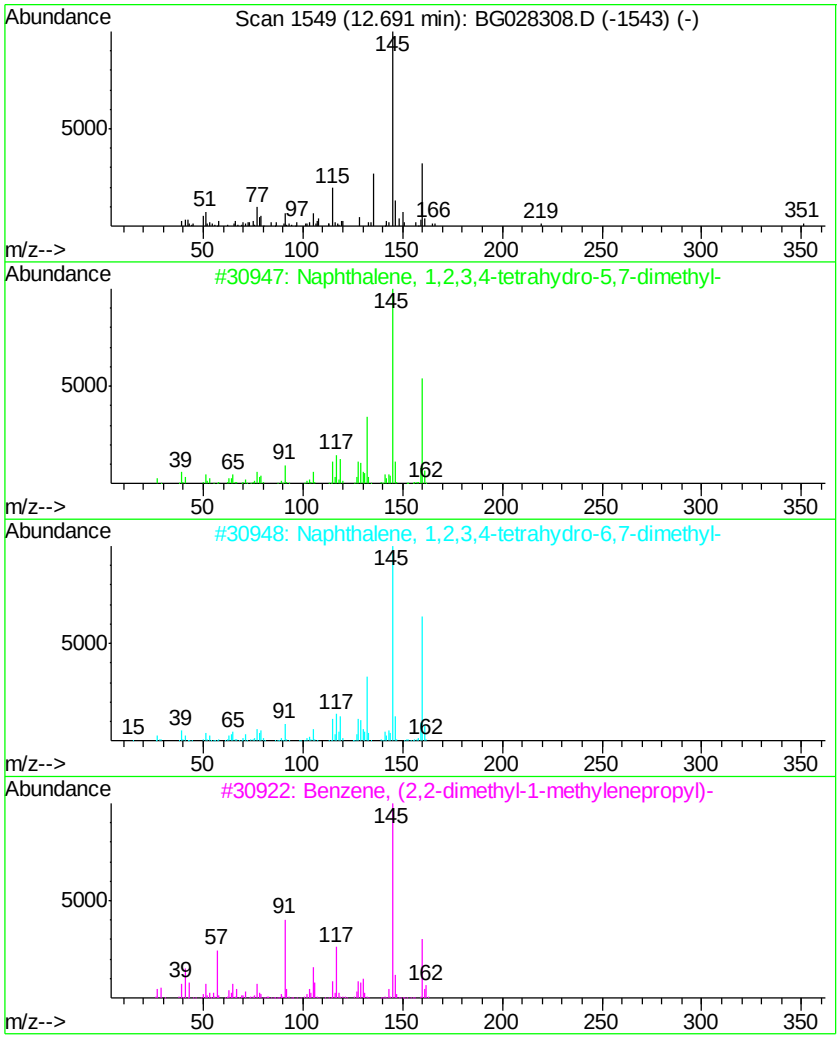
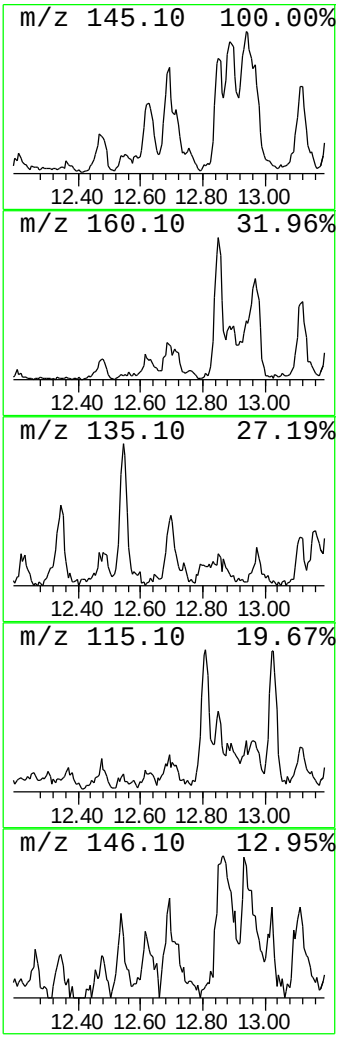
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	6.04 ng/ul	175984	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	59
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	59
5	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	59





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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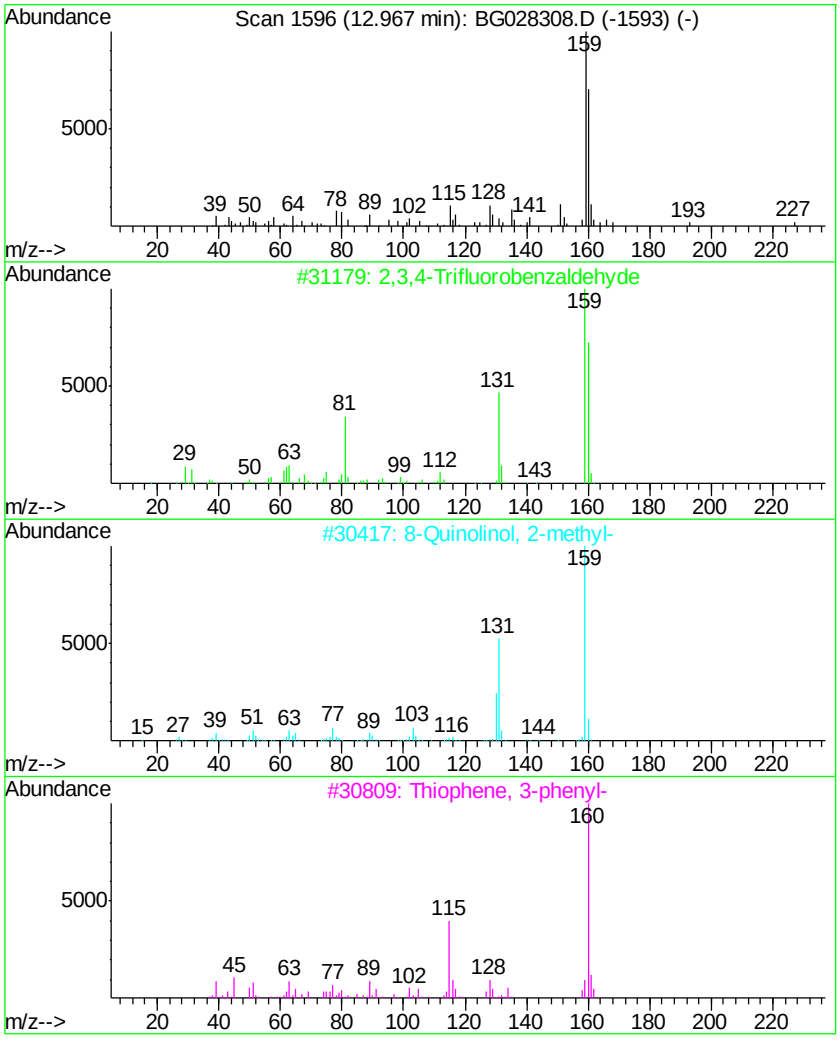
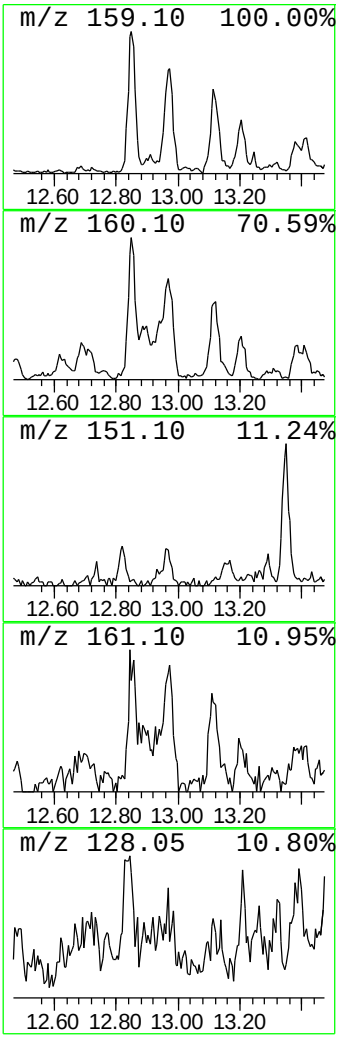
Peak Number 8 2,3,4-Trifluorobenzaldehyde Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.75 ng/ul	167446	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4-Trifluorobenzaldehyde	160	C7H3F3O	161793-17-5	53
2	8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	43
3	Thiophene, 3-phenyl-	160	C10H8S	002404-87-7	38
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	38
5	Thiophene, 2-phenyl-	160	C10H8S	000825-55-8	30





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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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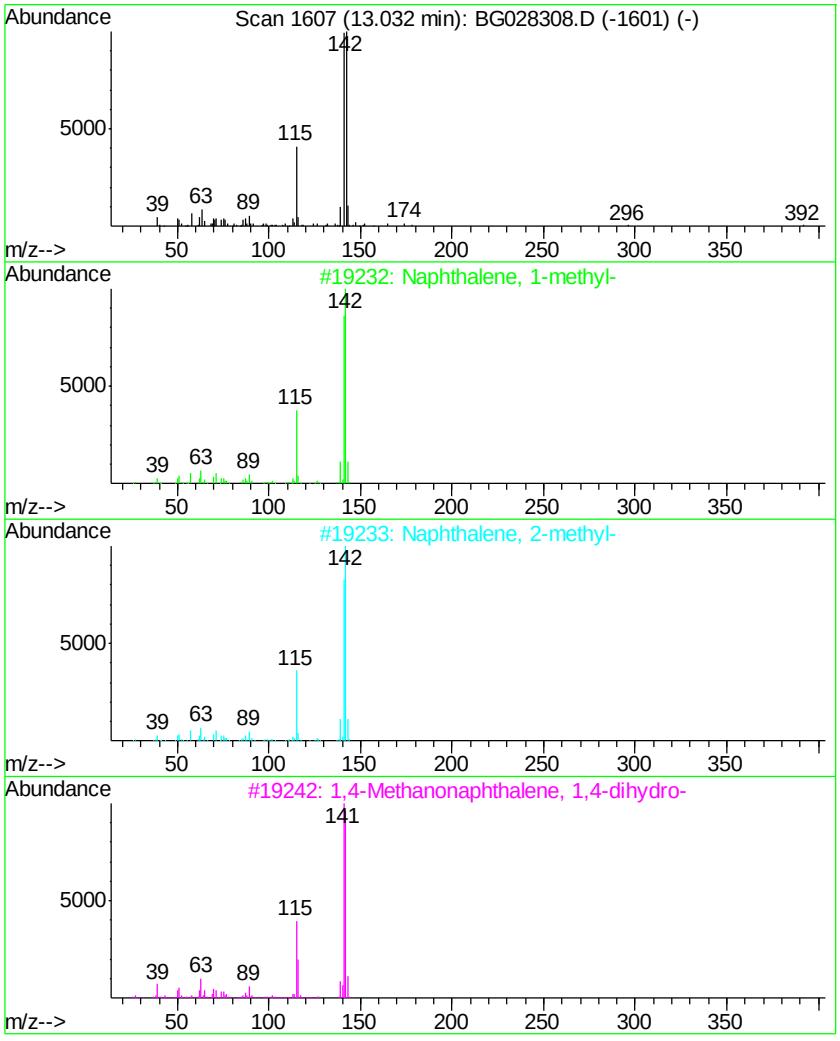
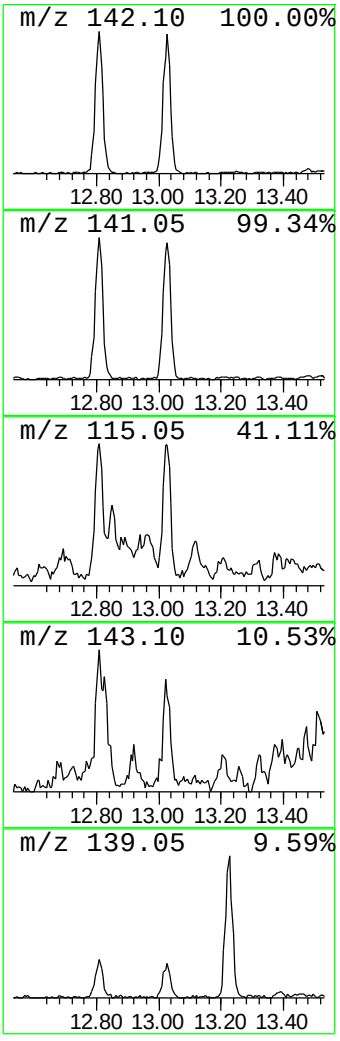
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	8.37 ng/ul	243787	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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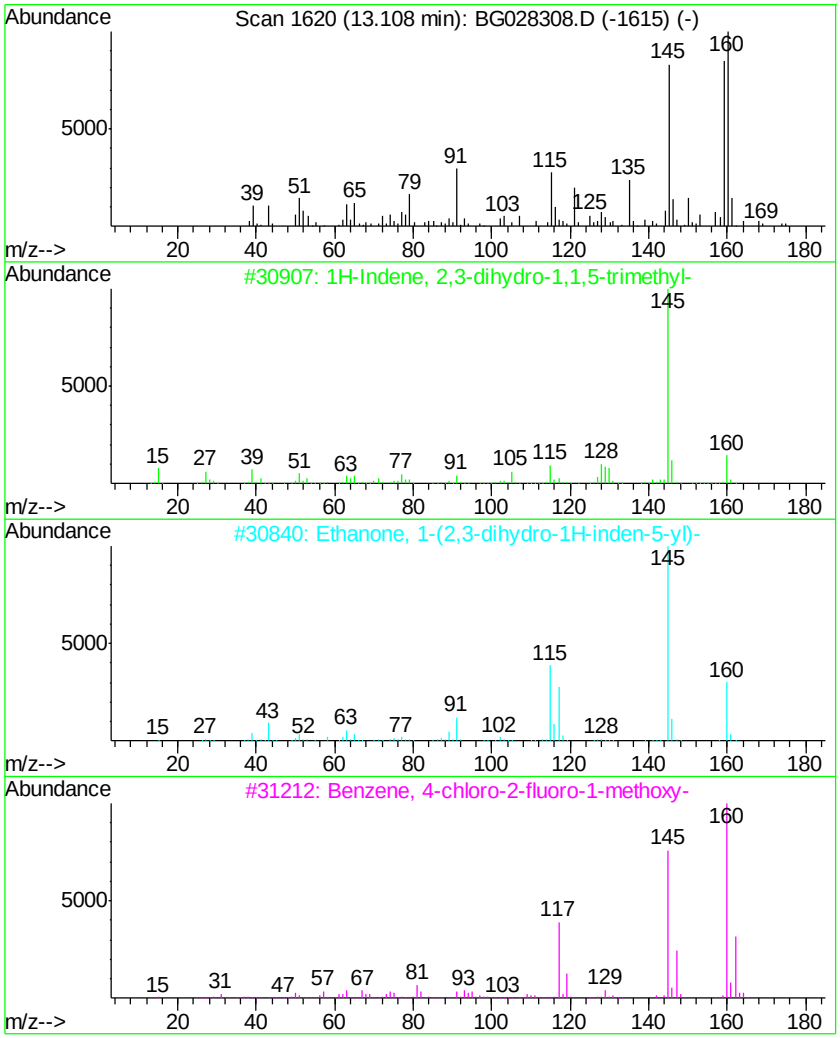
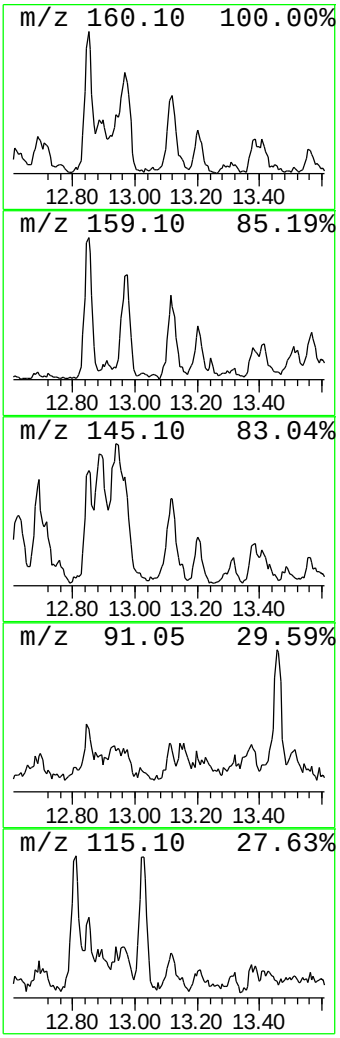
Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	3.24 ng/ul	174317	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
2	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	49
3	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	46
4	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	46
5	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	46





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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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 11 Phenol, 2,6-dimethoxy- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	7.81 ng/ul	420182	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	96
2	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	93
3	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	90
4	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	74
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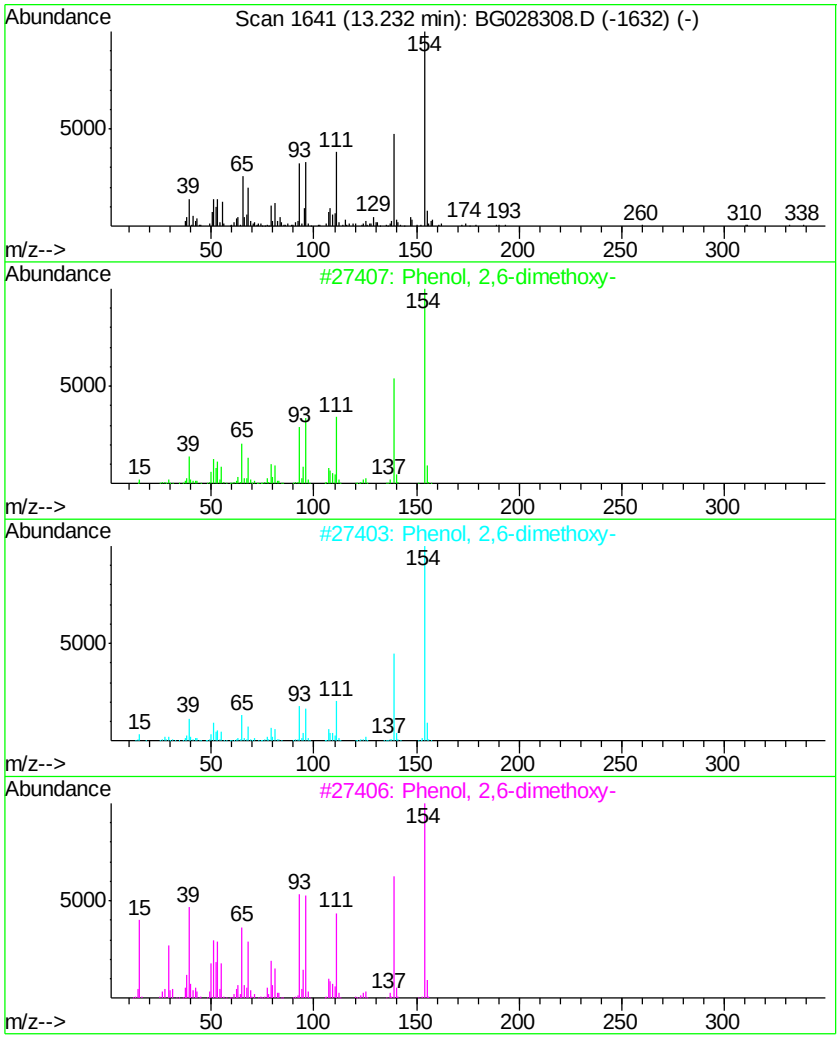

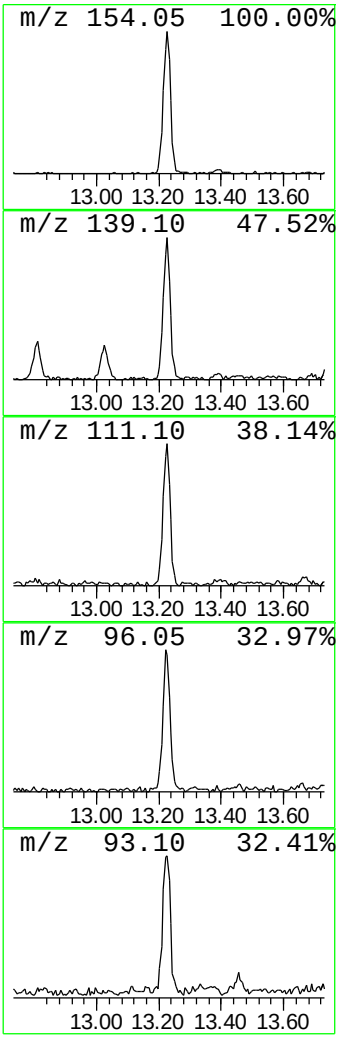

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Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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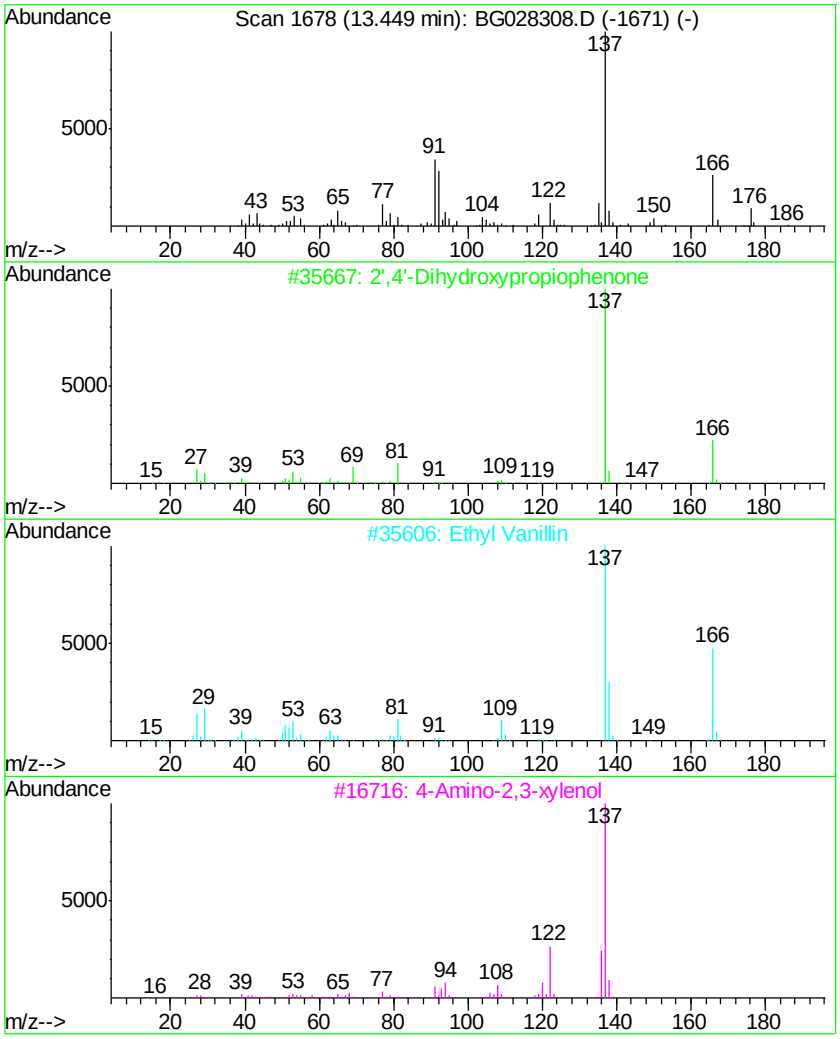
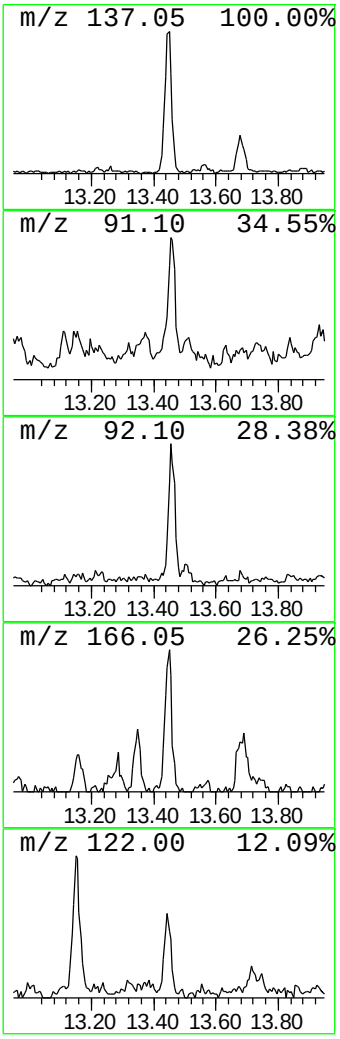
Peak Number 12 unknown01 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	4.61 ng/ul	247937	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2',4'-Dihydroxypropiophenone	166	C9H10O3	005792-36-9	47
2	Ethyl Vanillin	166	C9H10O3	000121-32-4	43
3	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	43
4	1-Benzenol,2-methoxy-4-[[[2-(4-h...	273	C16H19NO3	033120-06-8	40
5	Phenol, 3-methyl-4-nitroso-	137	C7H7NO2	000615-01-0	38





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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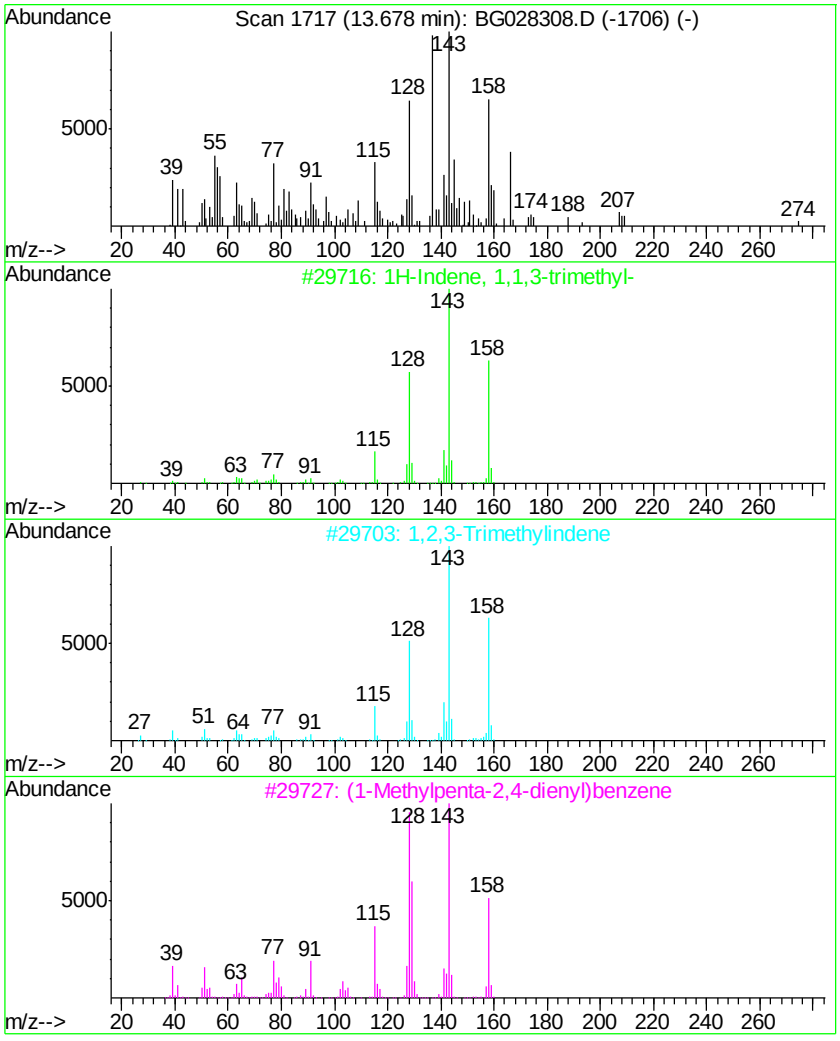
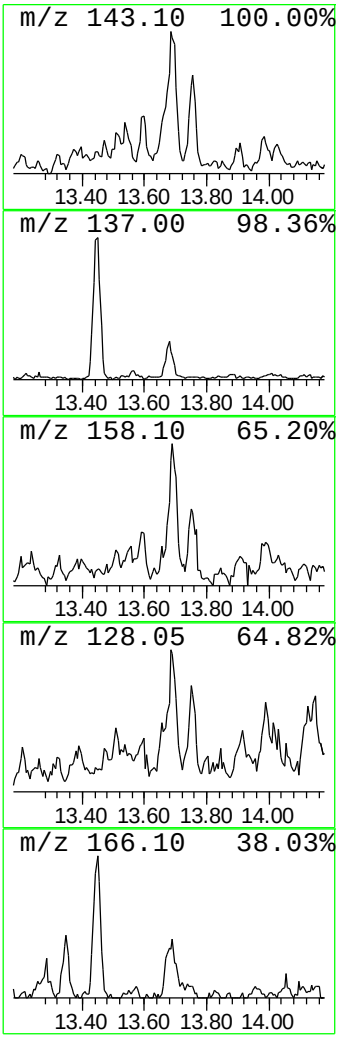
Peak Number 13 1H-Indene, 1,1,3-trimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	5.38 ng/ul	289339	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1,3-trimethyl-	158	C12H14	002177-45-9	78
2	1,2,3-Trimethylindene	158	C12H14	004773-83-5	78
3	(1-Methylpenta-2,4-dienyl)benzene	158	C12H14	1000210-01-1	60
4	1,2,3-Trimethylindene	158	C12H14	004773-83-5	60
5	Phenol, 2-chloro-4-methoxy-	158	C7H7ClO2	018113-03-6	22





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Quant Title : SVOA CALIBRATION

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

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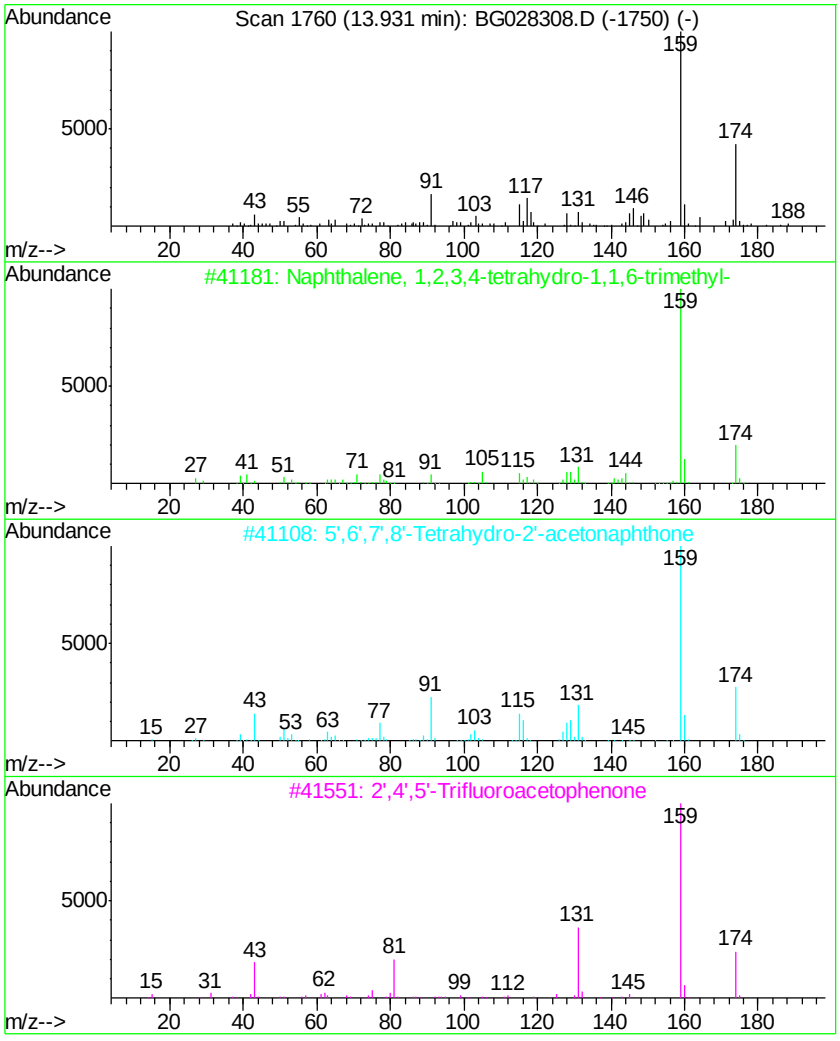
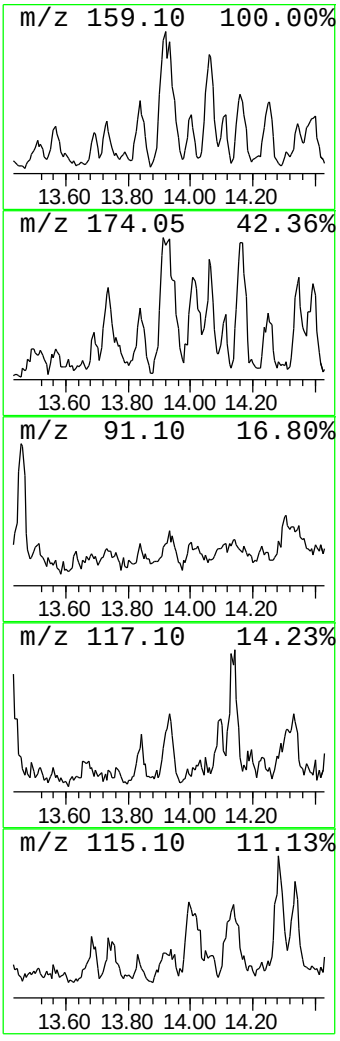
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.61 ng/ul	193994	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	64
2	5',6',7',8'-Tetrahydro-2'-aceton...	174	C12H14O	000774-55-0	64
3	2',4',5'-Trifluoroacetophenone	174	C8H5F3O	129322-83-4	64
4	2,3,6-Trifluoroacetophenone	174	C8H5F3O	208173-22-2	59
5	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	50





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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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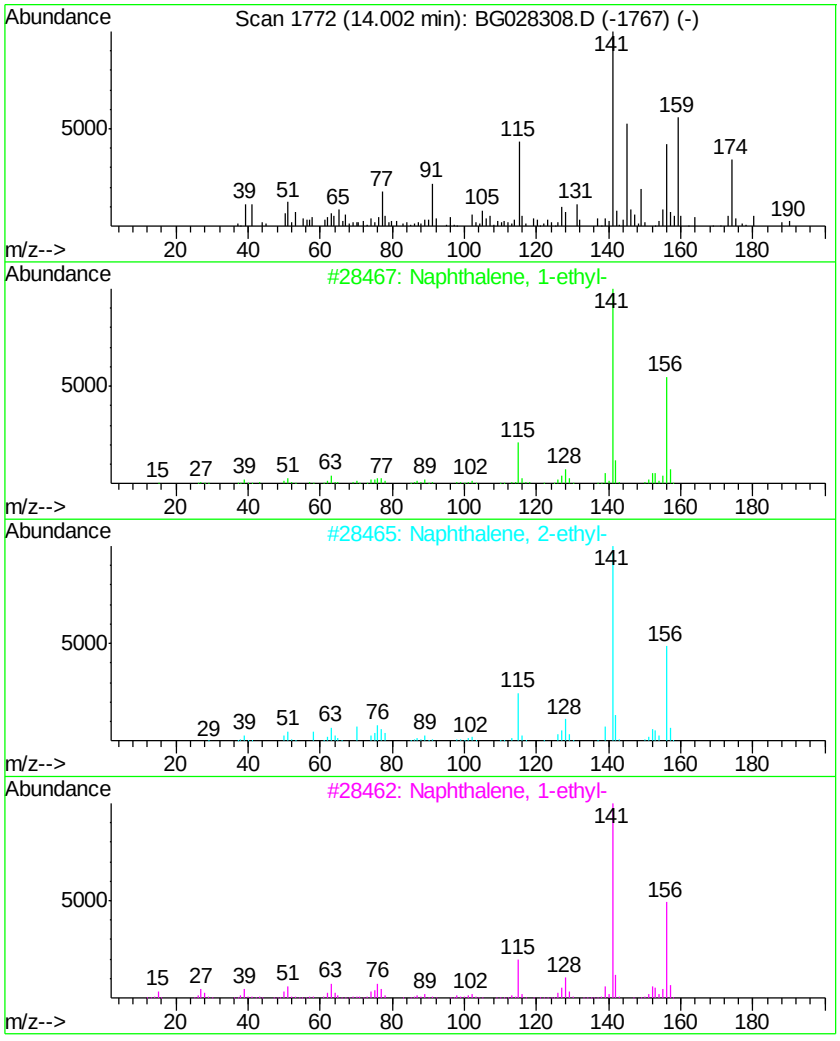
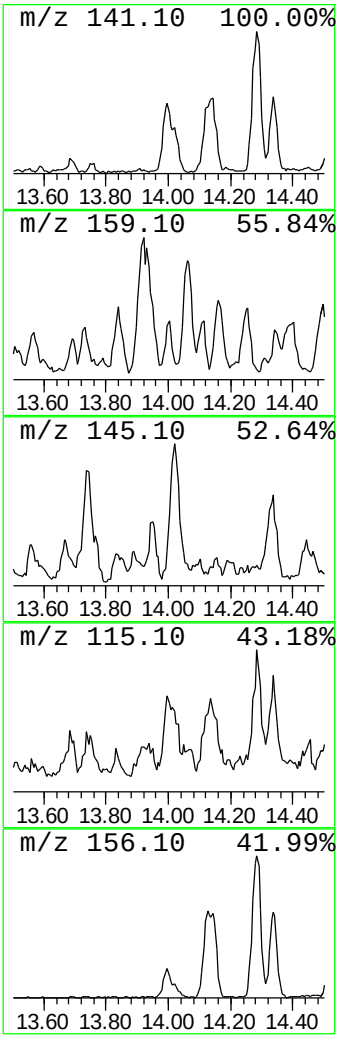
Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	4.42 ng/ul	237973	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	60
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	60
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	53
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	53
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	49





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Quant Title : SVOA CALIBRATION

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

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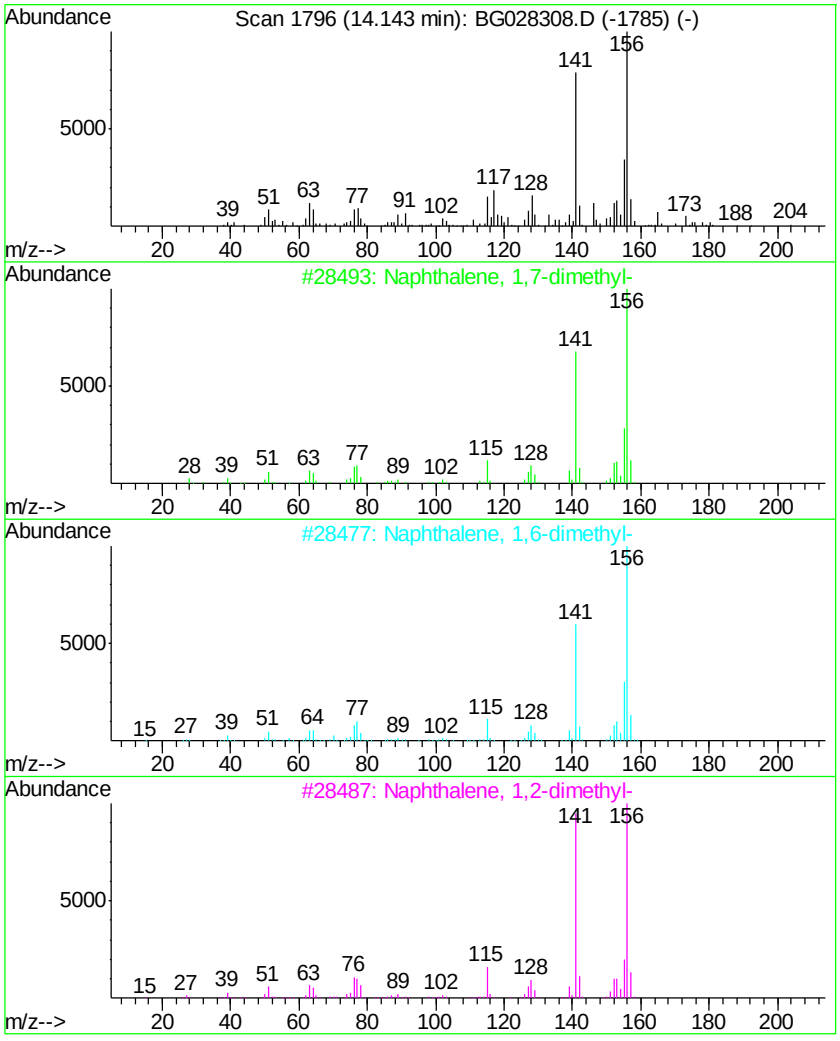
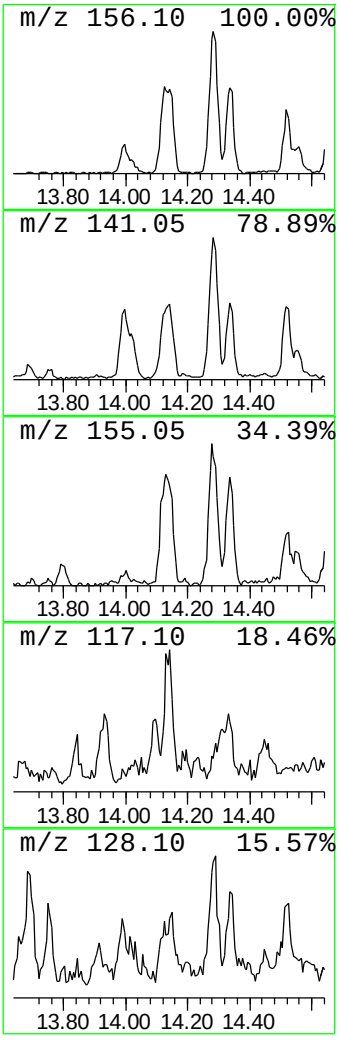
Peak Number 16 Naphthalene, 1,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	8.64 ng/ul	464551	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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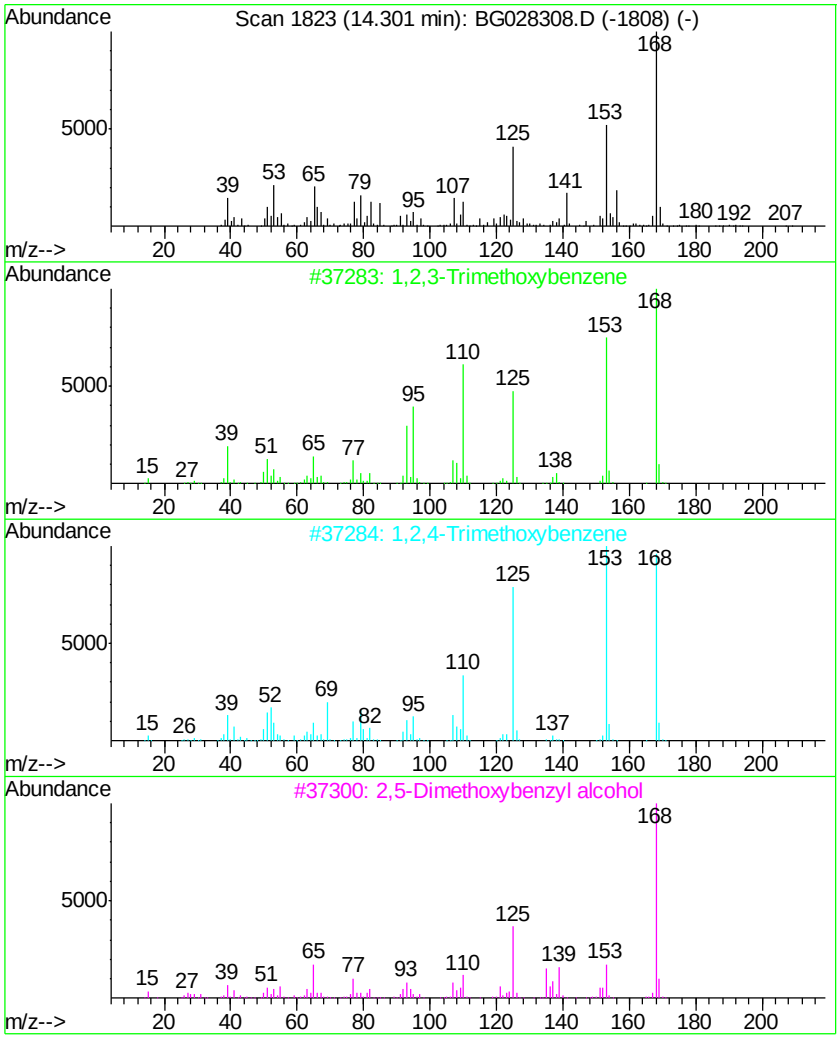
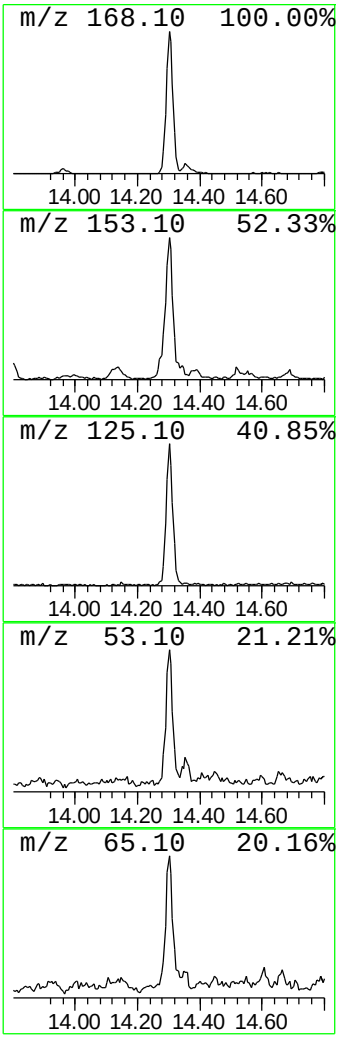
Peak Number 17 1,2,3-Trimethoxybenzene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	20.90 ng/ul	1124040	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	76
2	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	58
3	2,5-Dimethoxybenzyl alcohol	168	C9H12O3	033524-31-1	58
4	Dehydroacetic Acid	168	C8H8O4	000520-45-6	53
5	4-Methoxy-2-methyl-1-(methylthio...	168	C9H12OS	022583-04-6	53





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Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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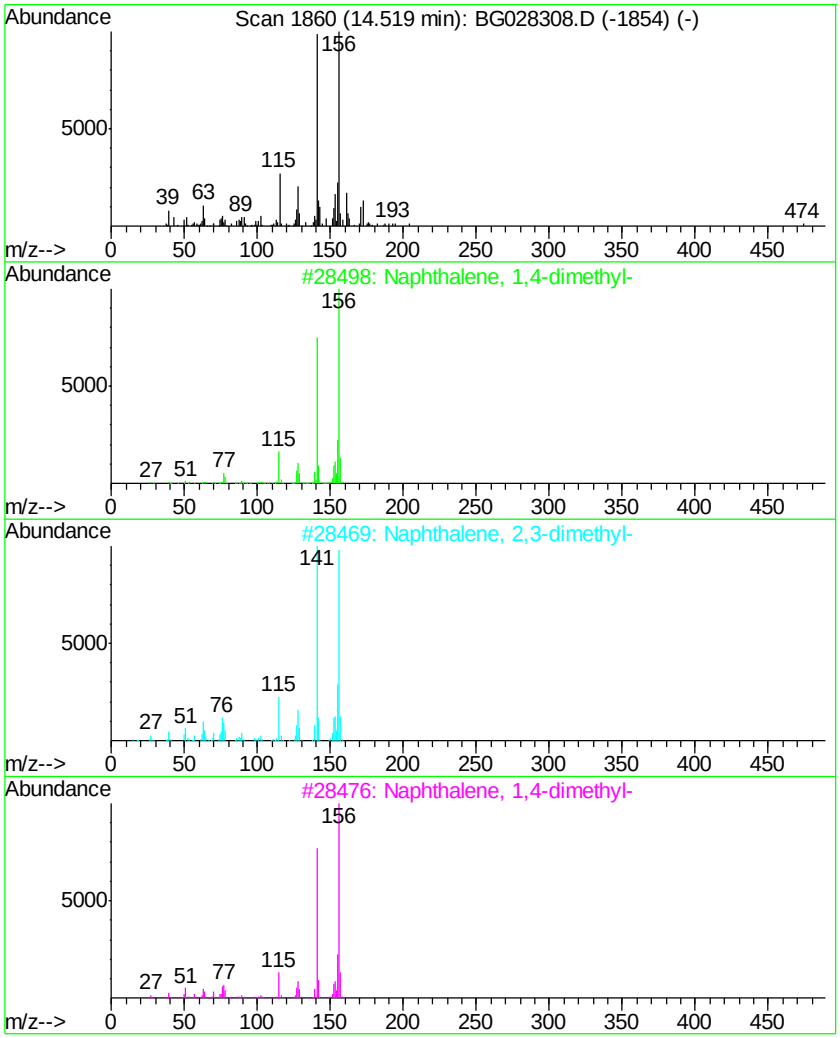
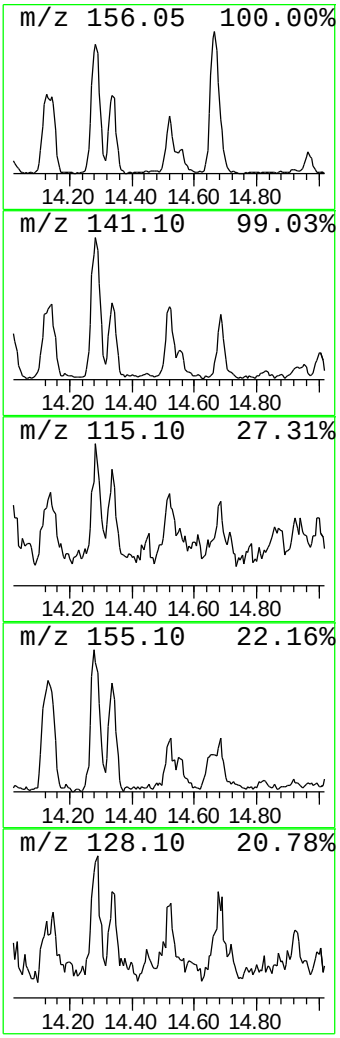
Peak Number 18 Naphthalene, 1,4-dimethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.75 ng/ul	201600	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	76
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	76
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	74
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	74





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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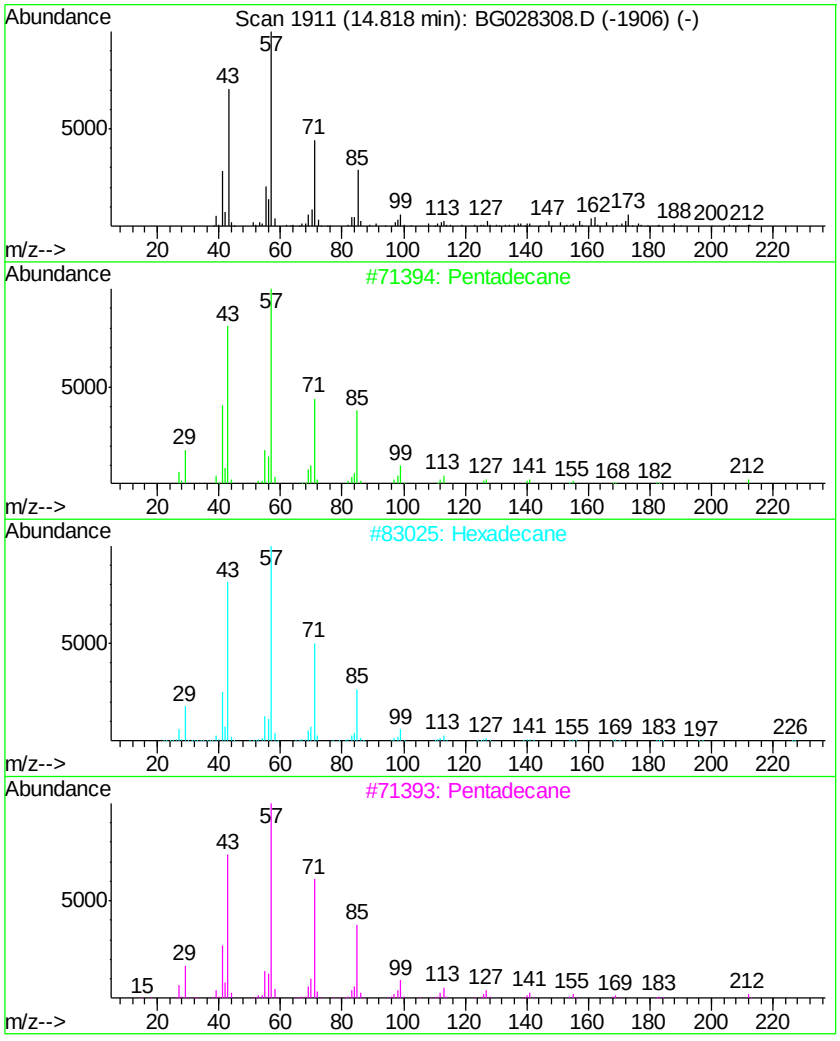
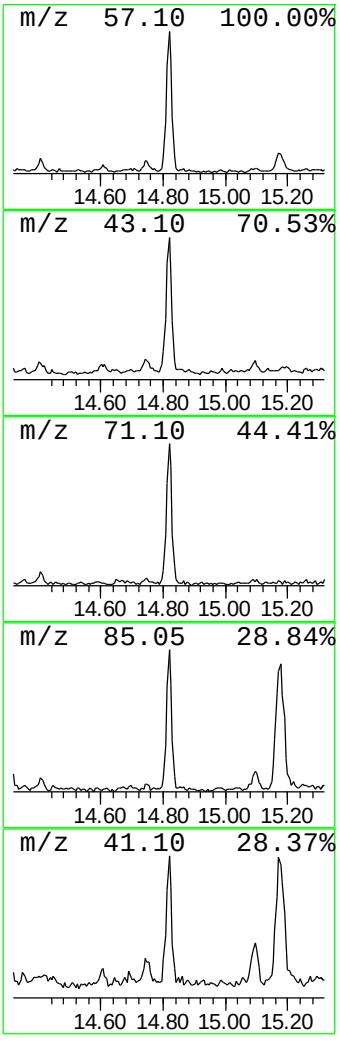
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.70 ng/ul	306433	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	86
2	Hexadecane	226	C16H34	000544-76-3	74
3	Pentadecane	212	C15H32	000629-62-9	72
4	Tetratetracontane	619	C44H90	007098-22-8	64
5	Tetradecane	198	C14H30	000629-59-4	64





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ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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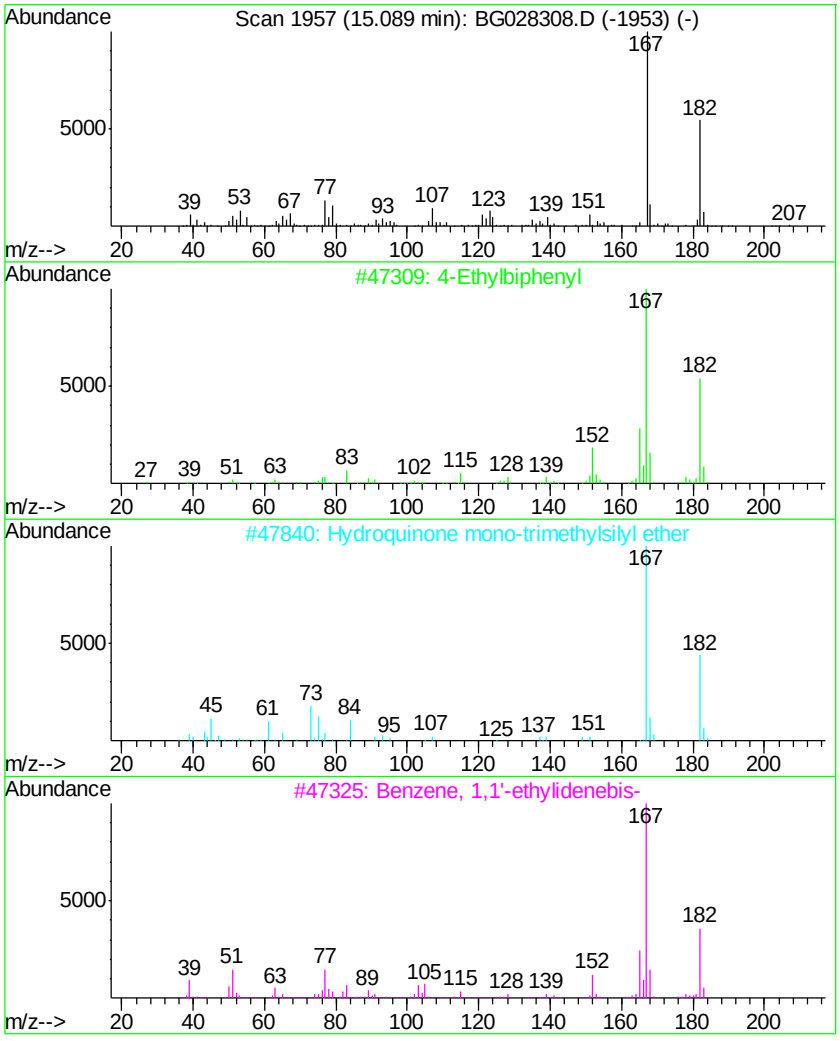
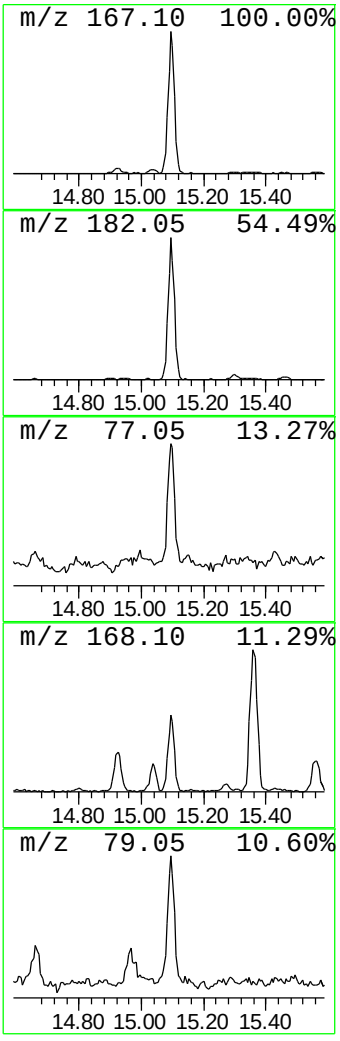
Peak Number 20 4-Ethylbiphenyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	15.86 ng/ul	853190	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbiphenyl	182	C14H14	005707-44-8	72
2	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	56
3	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	50
4	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	50
5	Silane, dimethoxymethylphenyl-	182	C9H14O2Si	003027-21-2	50





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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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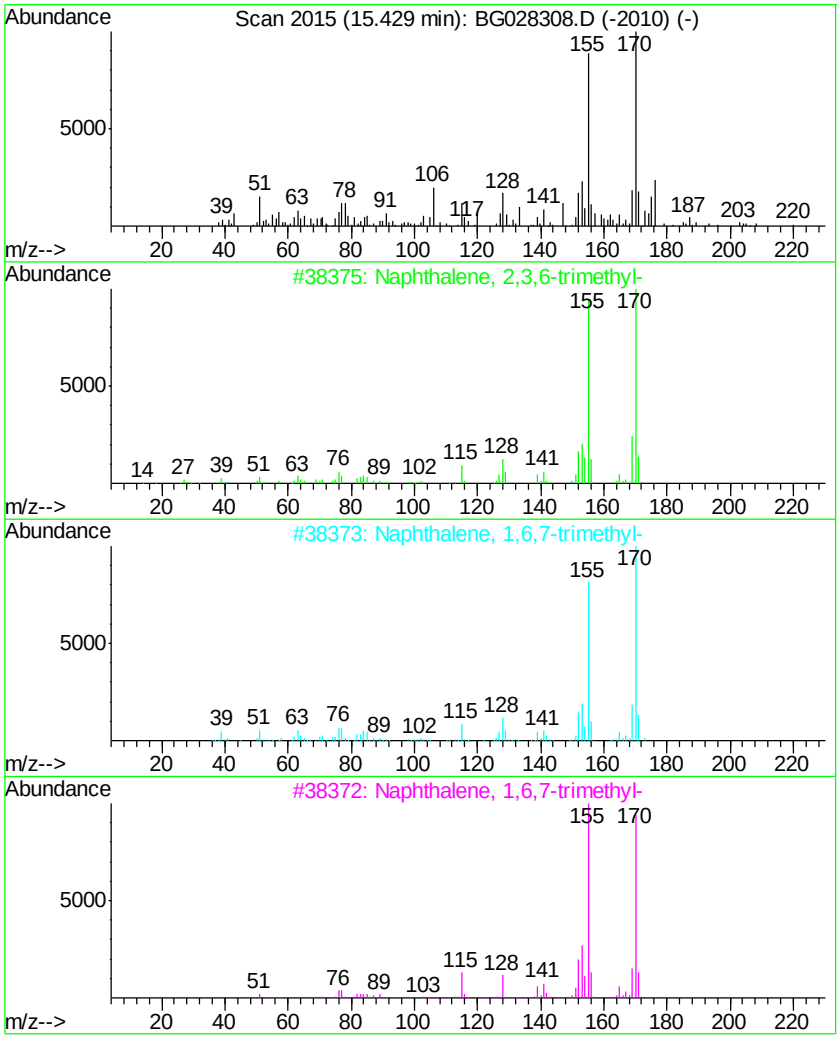
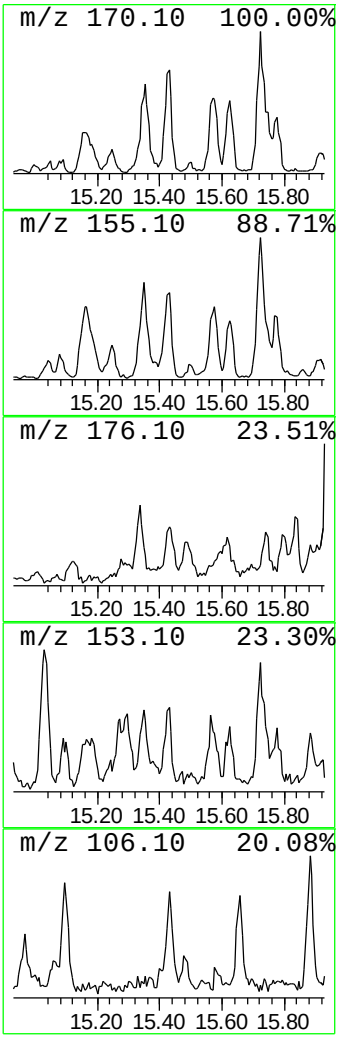
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	5.45 ng/ul	293057	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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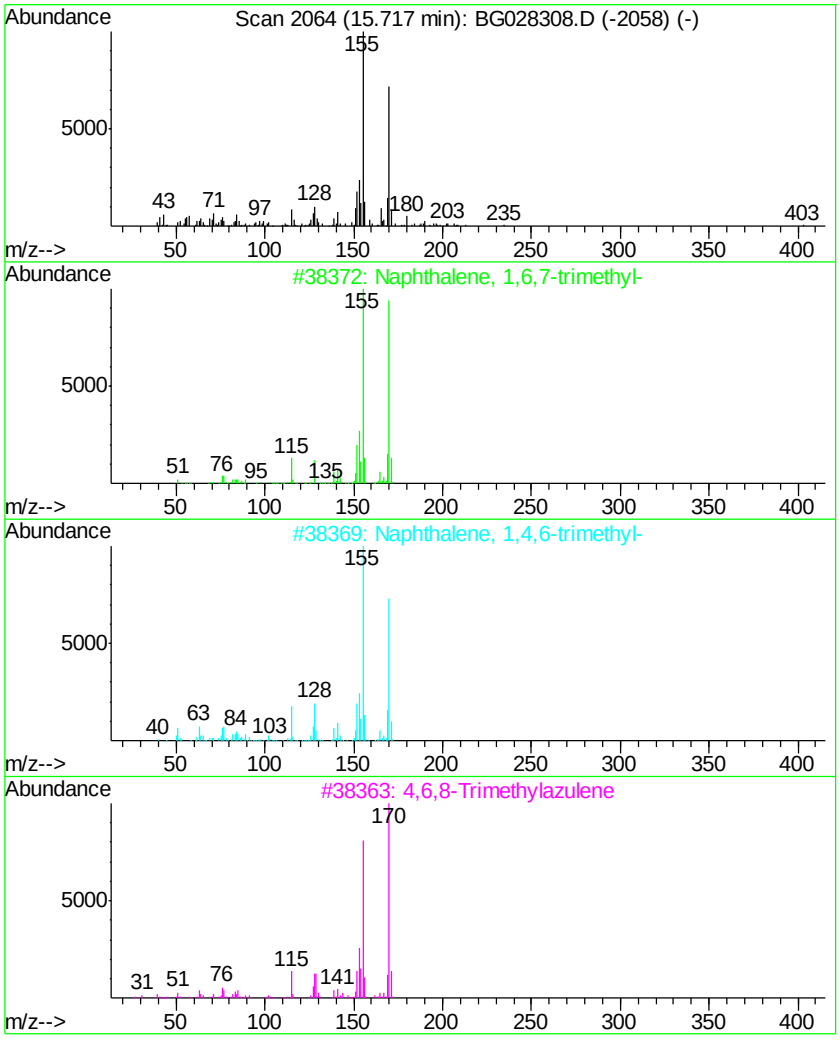
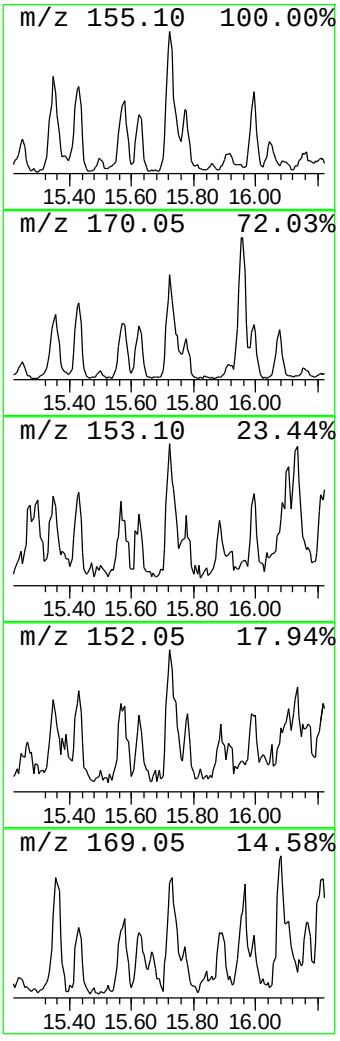
Peak Number 24 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	6.71 ng/ul	360803	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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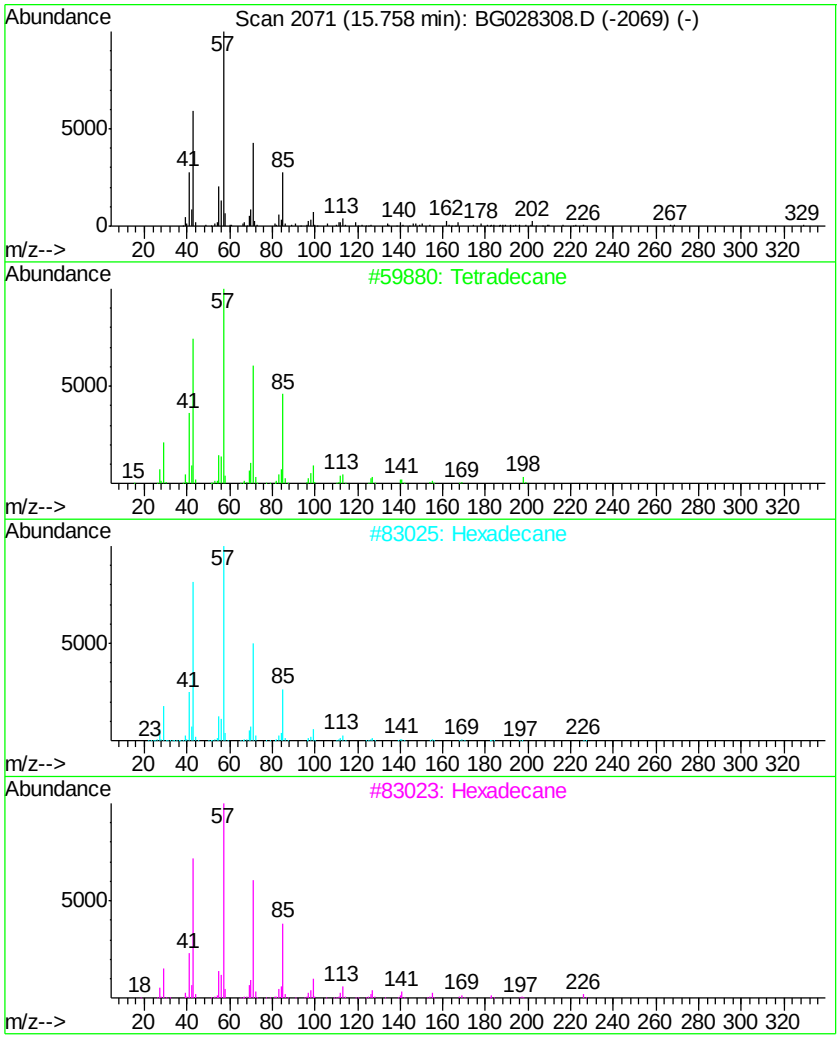
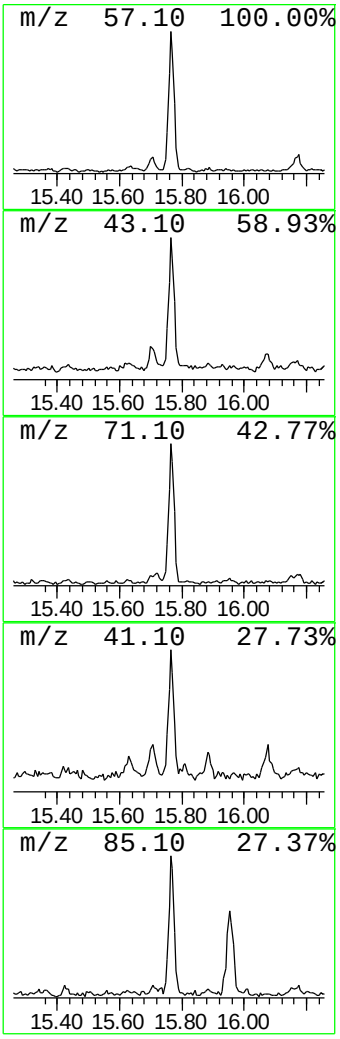
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	5.61 ng/ul	301990	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	72
5	Hexadecane	226	C16H34	000544-76-3	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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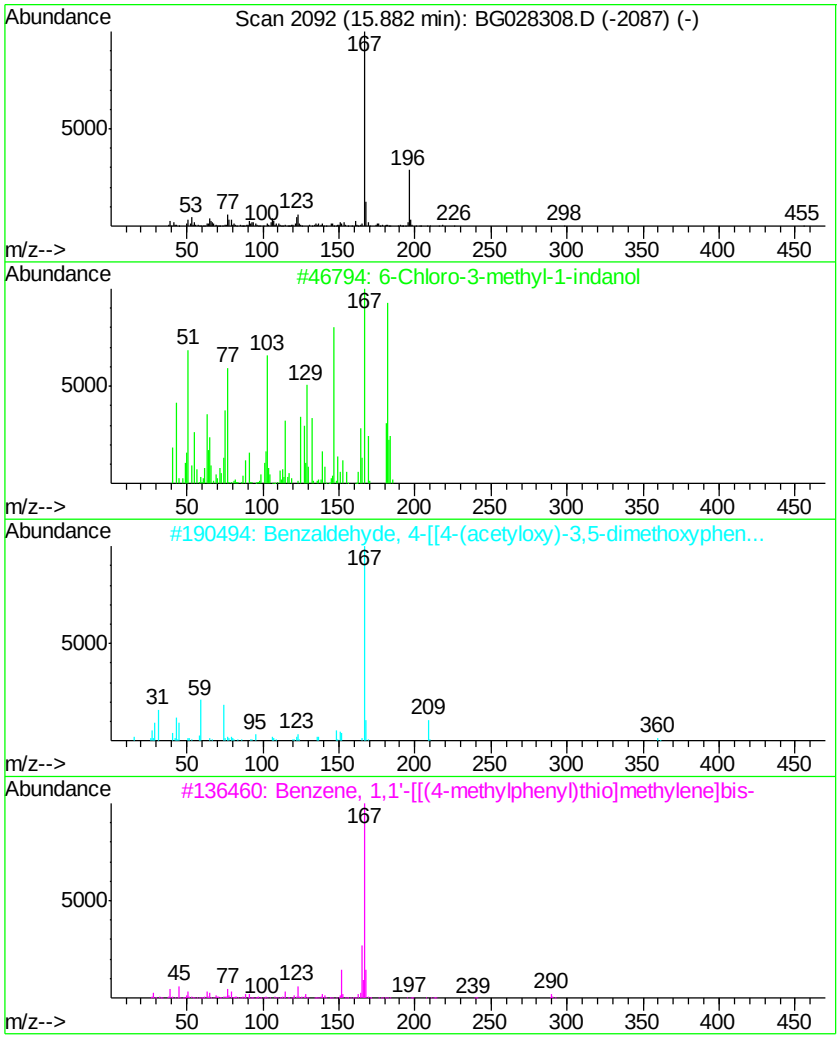
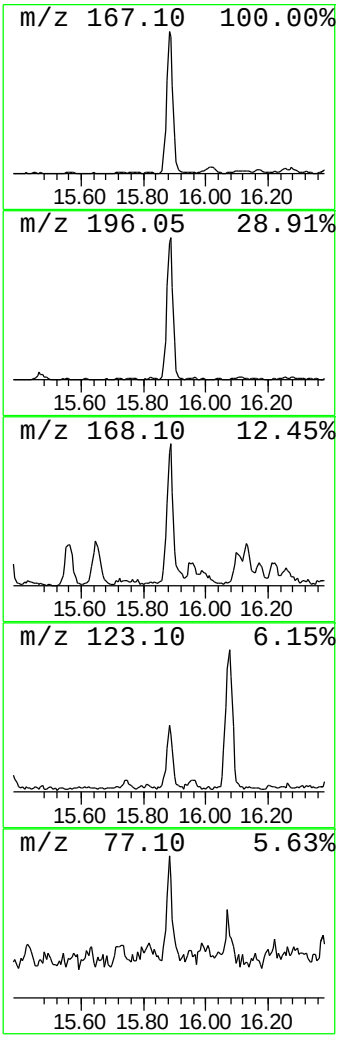
Peak Number 26 unknown02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	12.66 ng/ul	680915	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Chloro-3-methyl-1-indanol	182	C10H11ClO	055058-79-2	47
2	Benzaldehyde, 4-[[4-(acetyloxy)-...	360	C19H20O7	055525-41-2	45
3	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	42
4	Benzene, 1,1',1''-(1-ethanyl-2-y...	258	C20H18	001520-42-9	40
5	3-Aminothiophenol, N,N,S-trimethyl-	167	C9H13NS	1000353-08-1	38





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Quant Title : SVOA CALIBRATION

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

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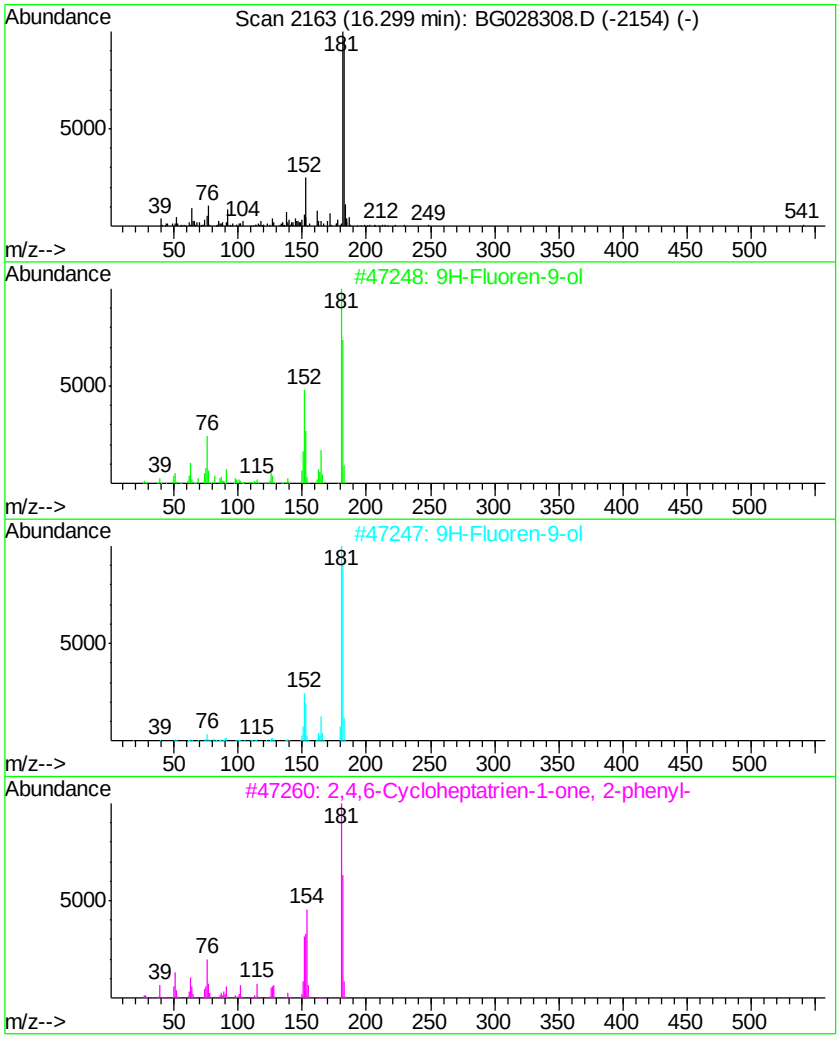
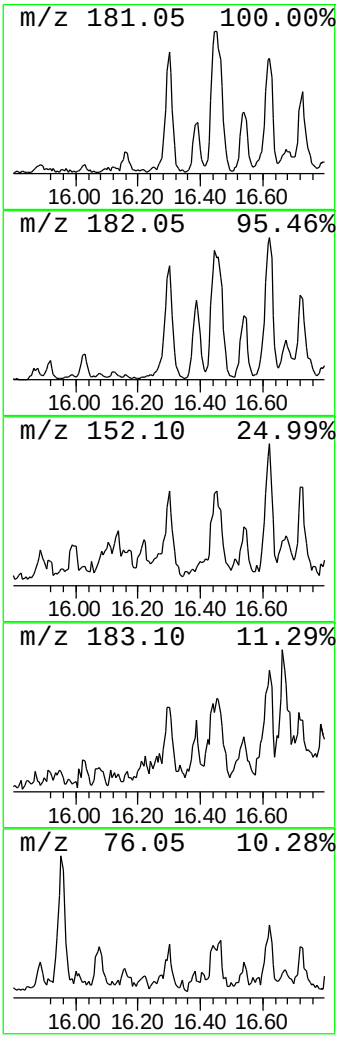
Peak Number 27 9H-Fluoren-9-ol Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	5.11 ng/ul	274856	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





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Quant Title : SVOA CALIBRATION

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

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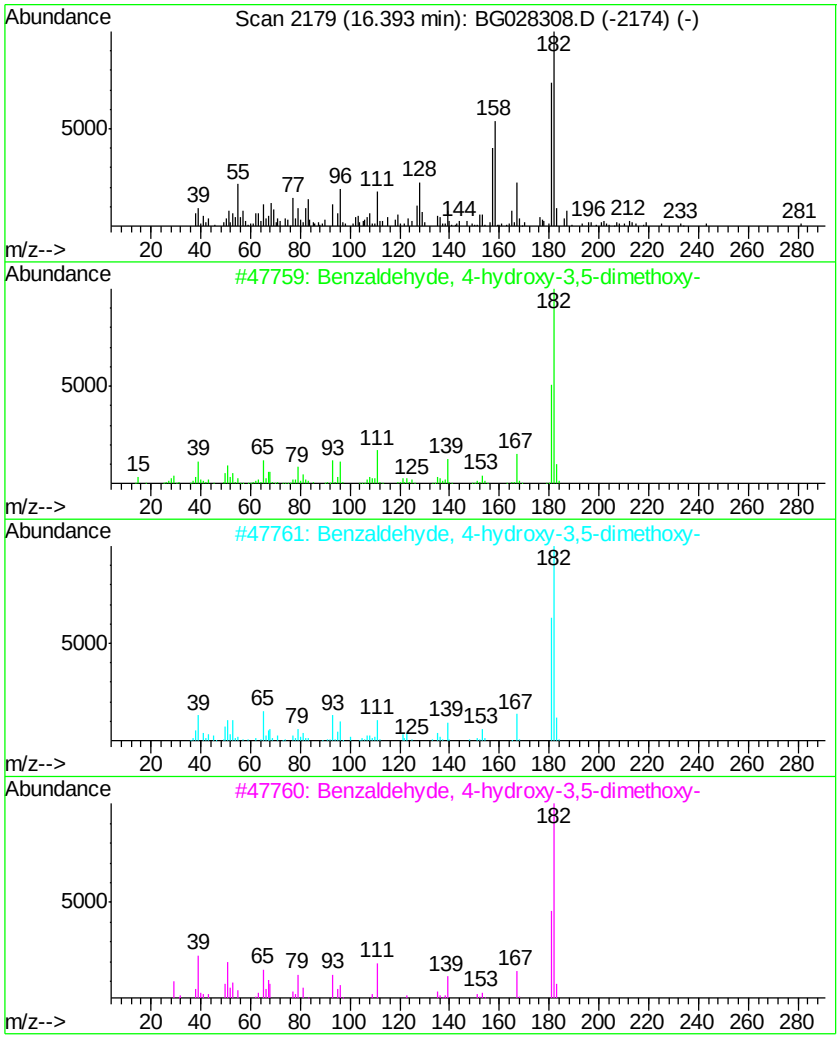
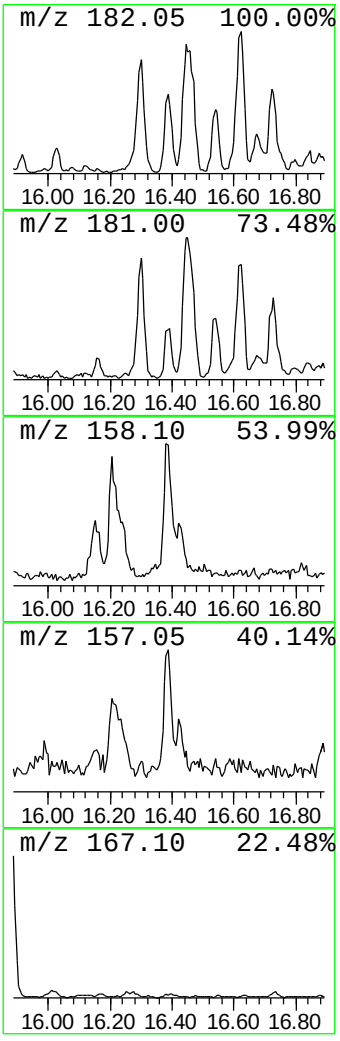
Peak Number 28 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	4.29 ng/ul	219058	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	91
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	87
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	78
4	3,4-Dimethoxy-5-hydroxybenzaldehyde	182	C9H10O4	029865-90-5	45
5	4-Acetoxy-3,5-dimethoxybenzaldehyde	224	C11H12O5	053669-33-3	43





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Quant Title : SVOA CALIBRATION

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

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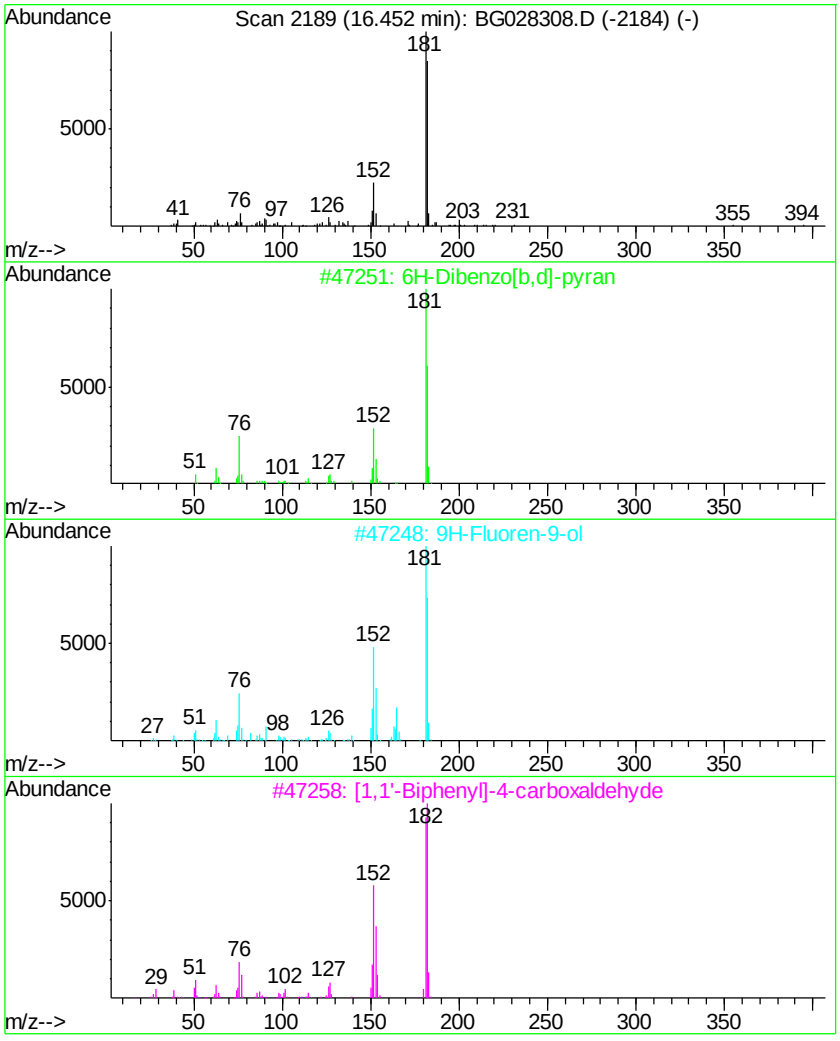
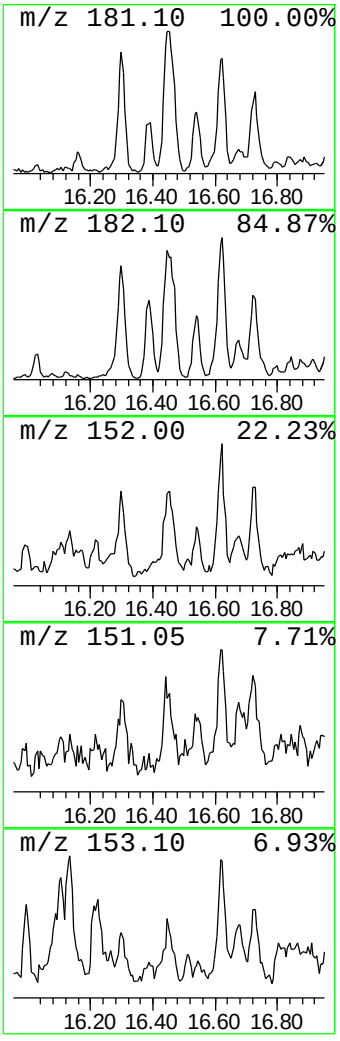
Peak Number 29 6H-Dibenzo[b,d]-pyran Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.44 ng/ul	277519	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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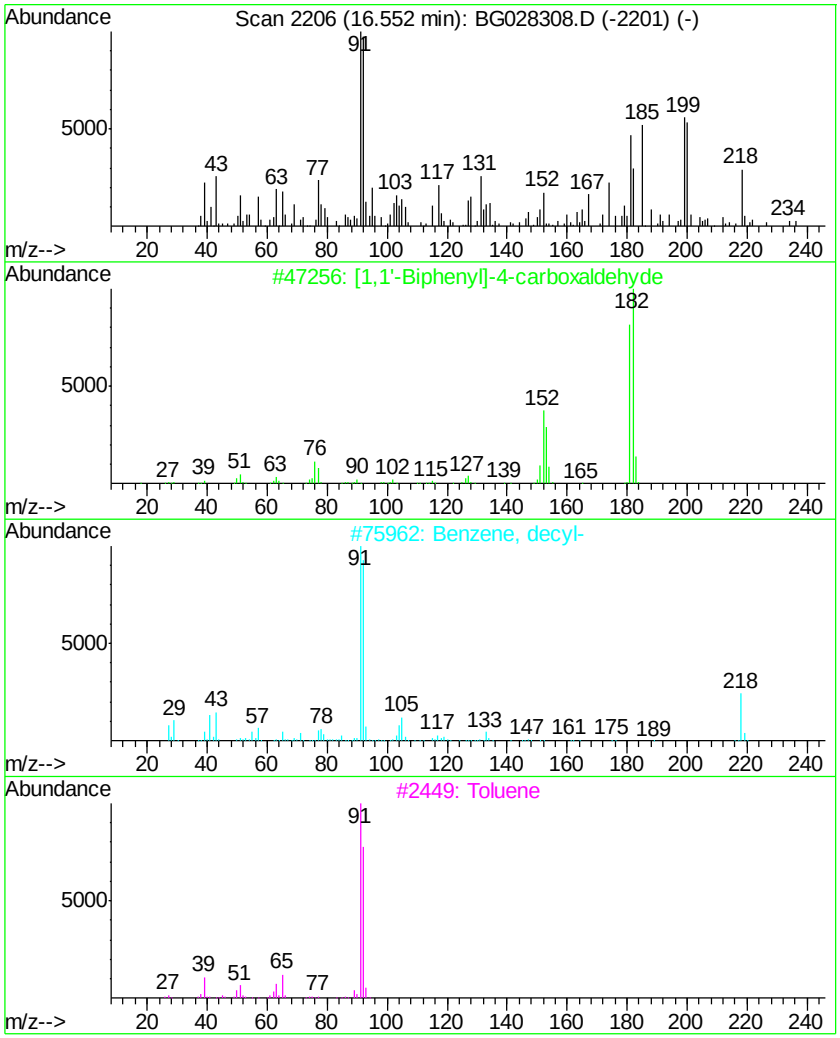
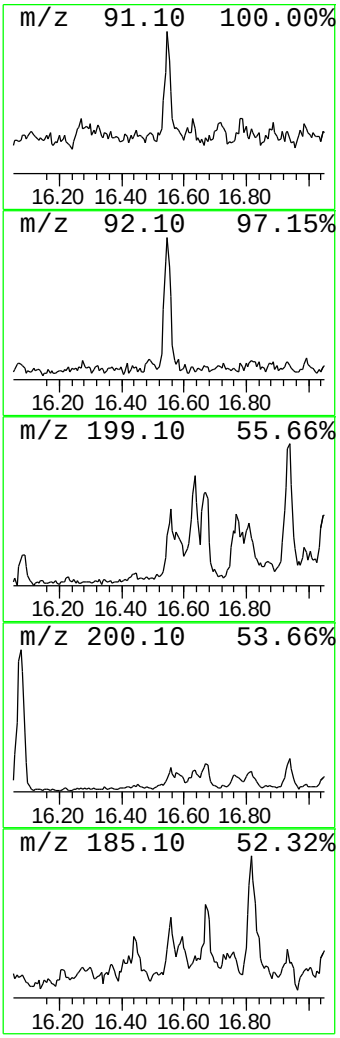
Peak Number 30 unknown03 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.25 ng/ul	319196	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	27
2	Benzene, decyl-	218	C16H26	000104-72-3	25
3	Toluene	92	C7H8	000108-88-3	15
4	2-(4-Chlorophenyl)-1,3,2-dioxabo...	182	C8H8BClO2	069519-09-1	14
5	Benzene, decyl-	218	C16H26	000104-72-3	11





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Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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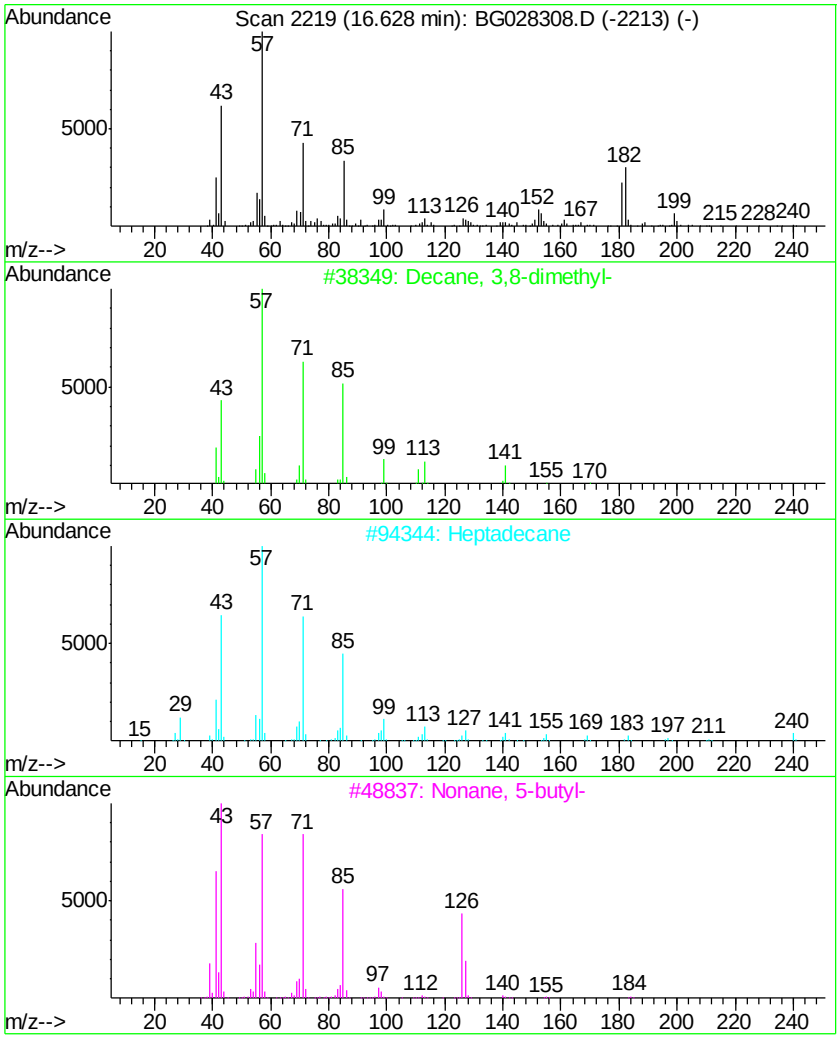
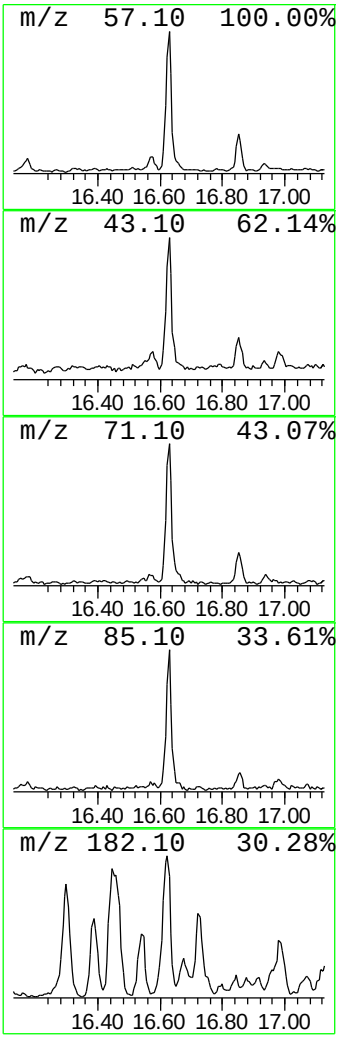
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	11.13 ng/ul	568039	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
2	Heptadecane	240	C17H36	000629-78-7	50
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	50
4	Decane	142	C10H22	000124-18-5	49
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	49





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Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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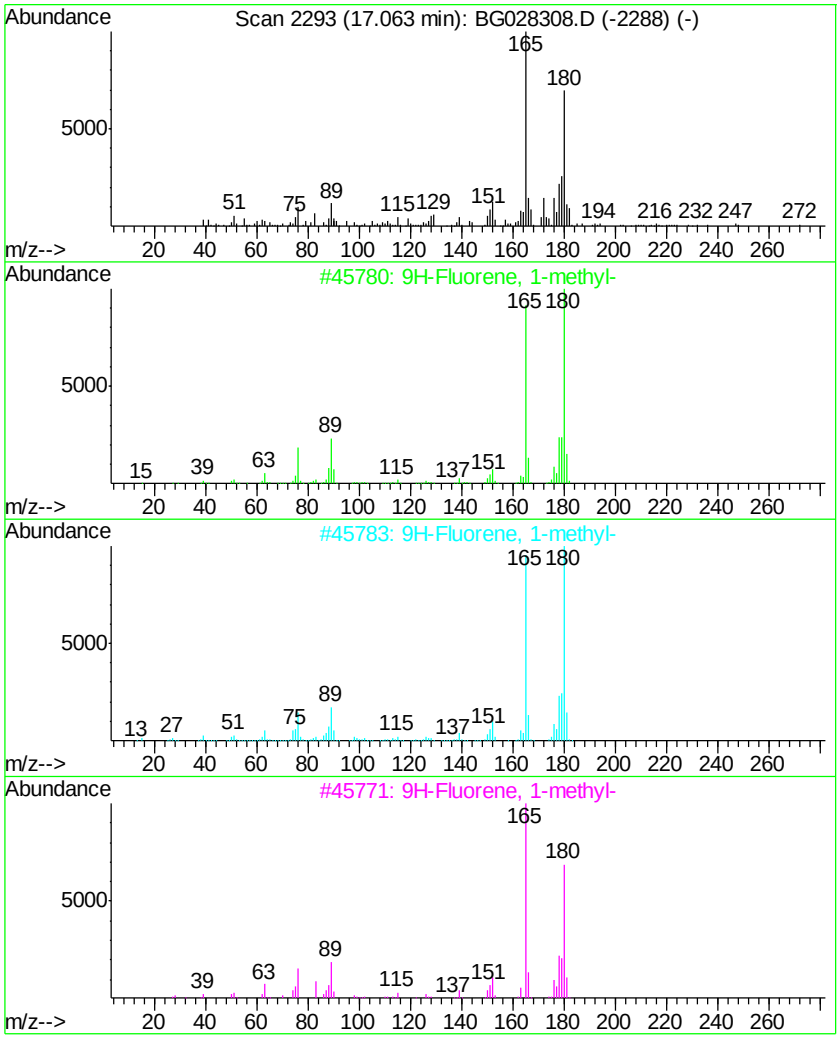
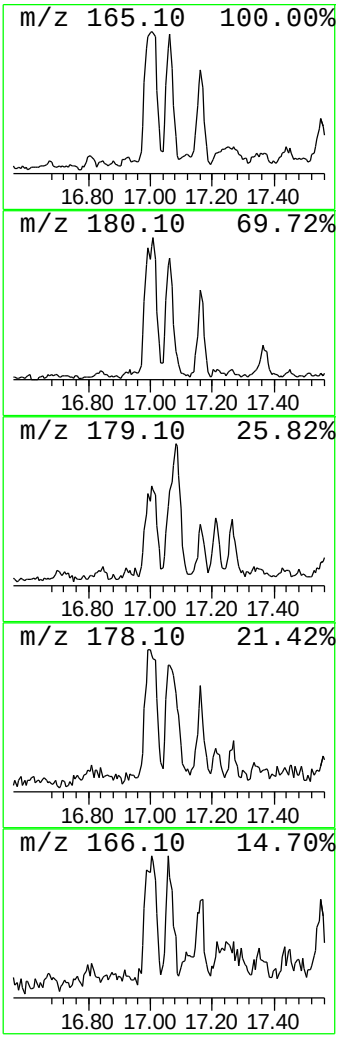
Peak Number 33 9H-Fluorene, 1-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	5.60 ng/ul	286017	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86





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Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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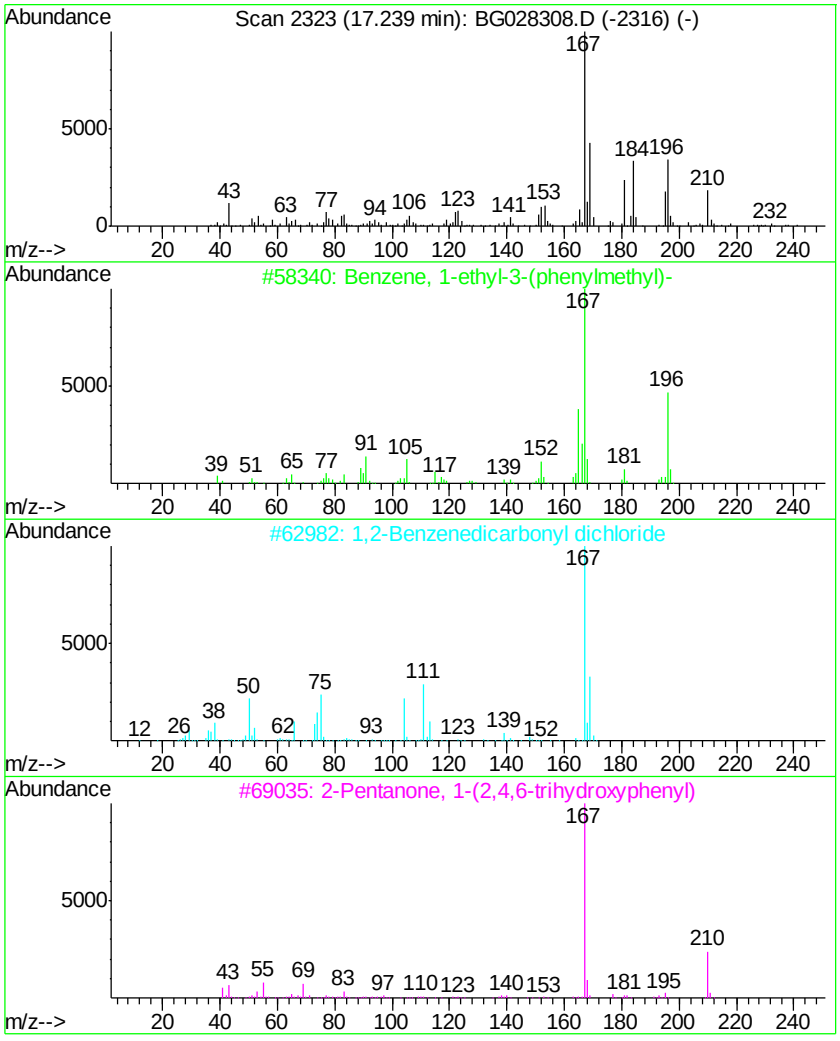
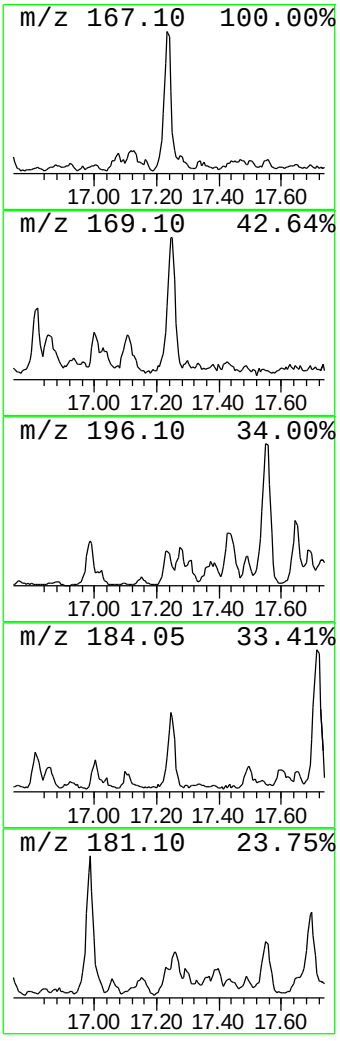
Peak Number 34 unknown04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	11.98 ng/ul	611324	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	38
2	1,2-Benzenedicarbonyl dichloride	202	C8H4Cl2O2	000088-95-9	38
3	2-Pentanone, 1-(2,4,6-trihydroxy...	210	C11H14O4	1000116-22-3	35
4	1-Butanone, 1-(2,4,6-trihydroxy-...	210	C11H14O4	001509-06-4	35
5	2',4'-Dihydroxyacetophenone oxime	167	C8H9NO3	1000212-89-5	27





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Sample : I4529-11
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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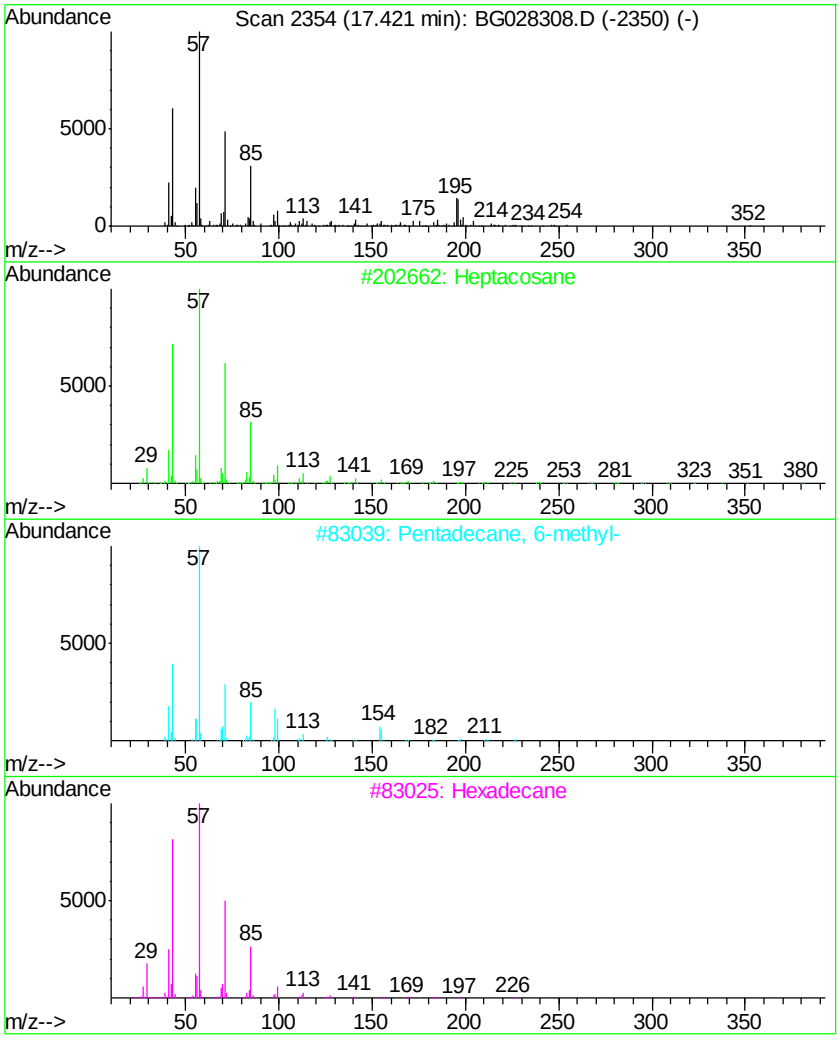
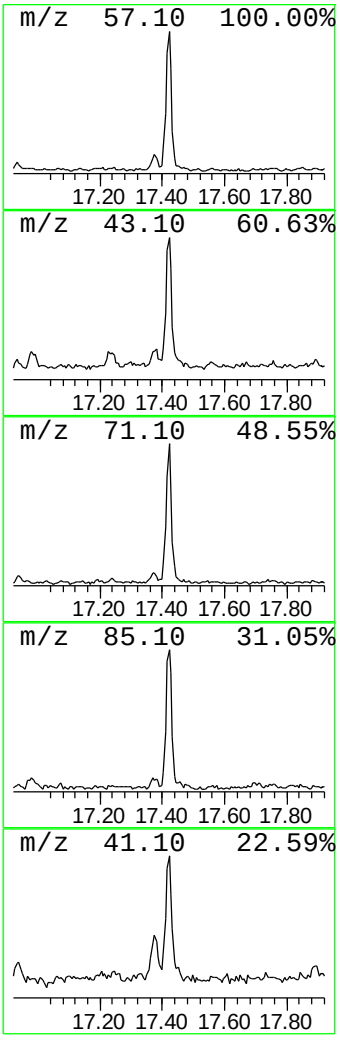
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	14.04 ng/ul	716700	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	62
2	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	58
3	Hexadecane	226	C16H34	000544-76-3	58
4	Heptadecane	240	C17H36	000629-78-7	53
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53





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Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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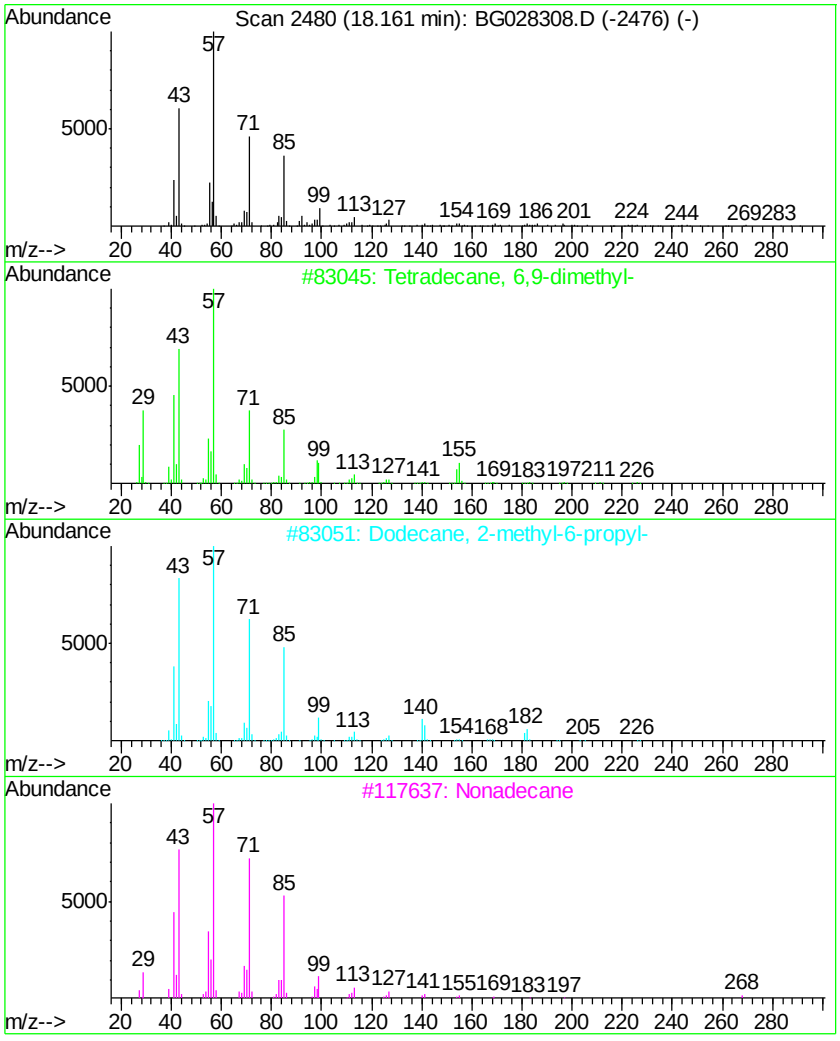
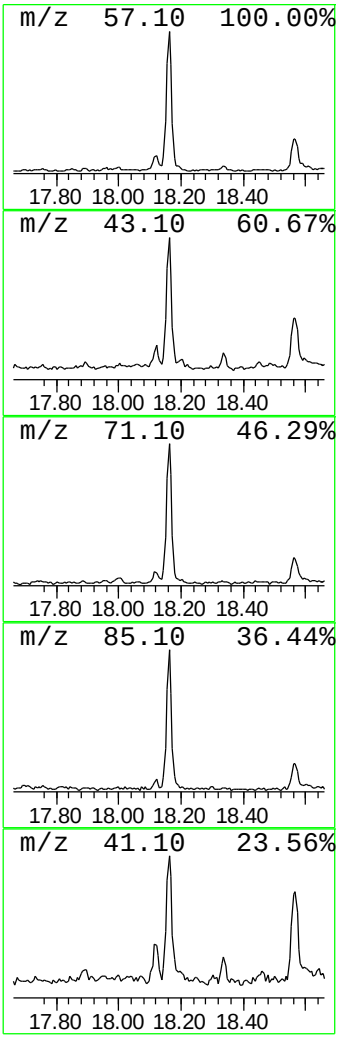
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	14.00 ng/ul	714586	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	86
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
3	Nonadecane	268	C19H40	000629-92-5	72
4	Tetracosane	338	C24H50	000646-31-1	72
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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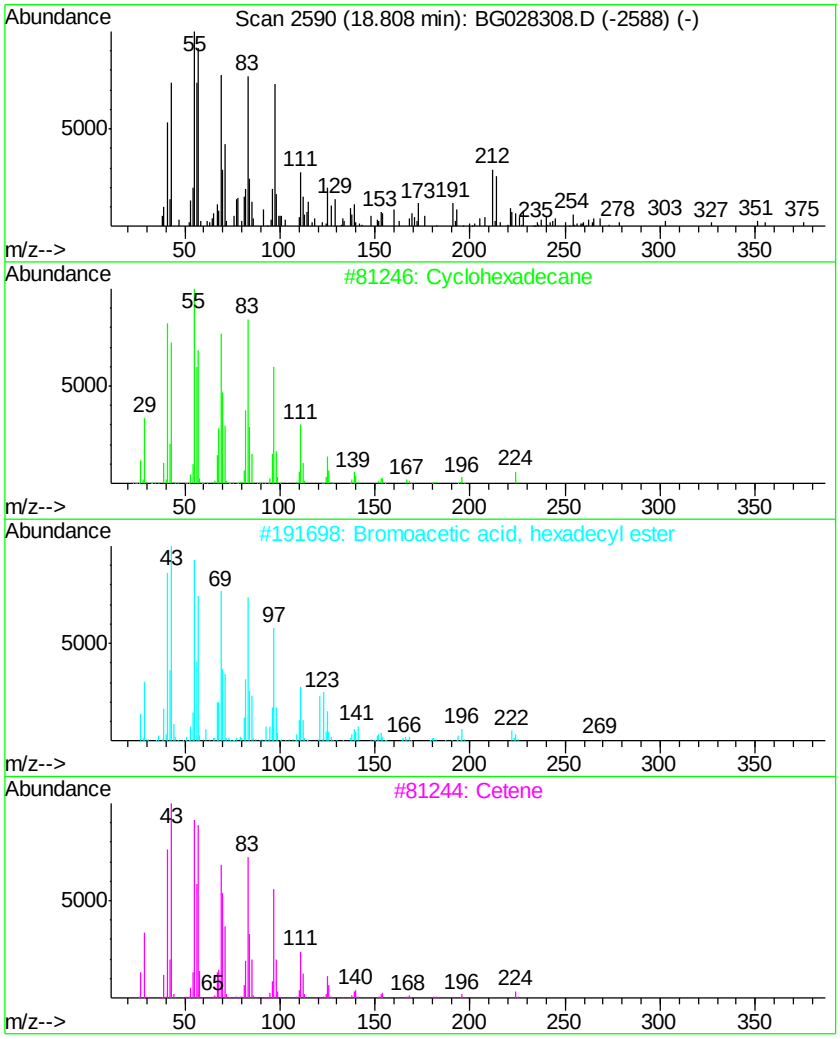
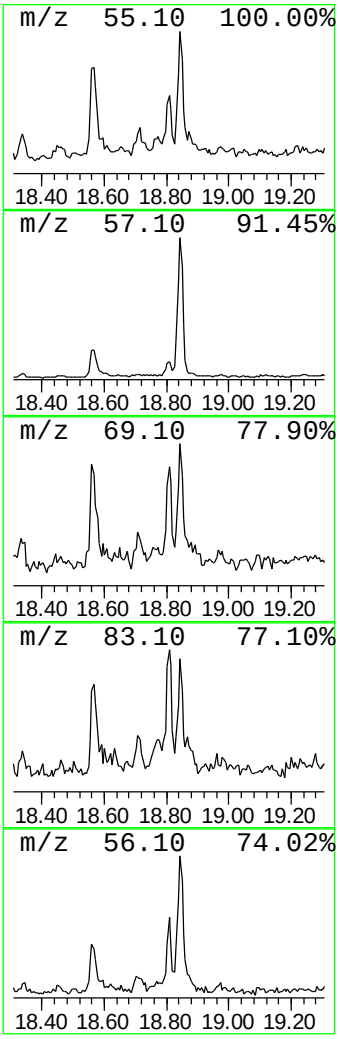
Peak Number 45 (DEL) Alkane: Cyclic18.81 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.47 ng/ul	177018	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	87
2	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	72
3	Cetene	224	C16H32	000629-73-2	70
4	(1R,2R)-(-)-1,2-Diaminocyclohexane	114	C6H14N2	020439-47-8	55
5	Cetene	224	C16H32	000629-73-2	55





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Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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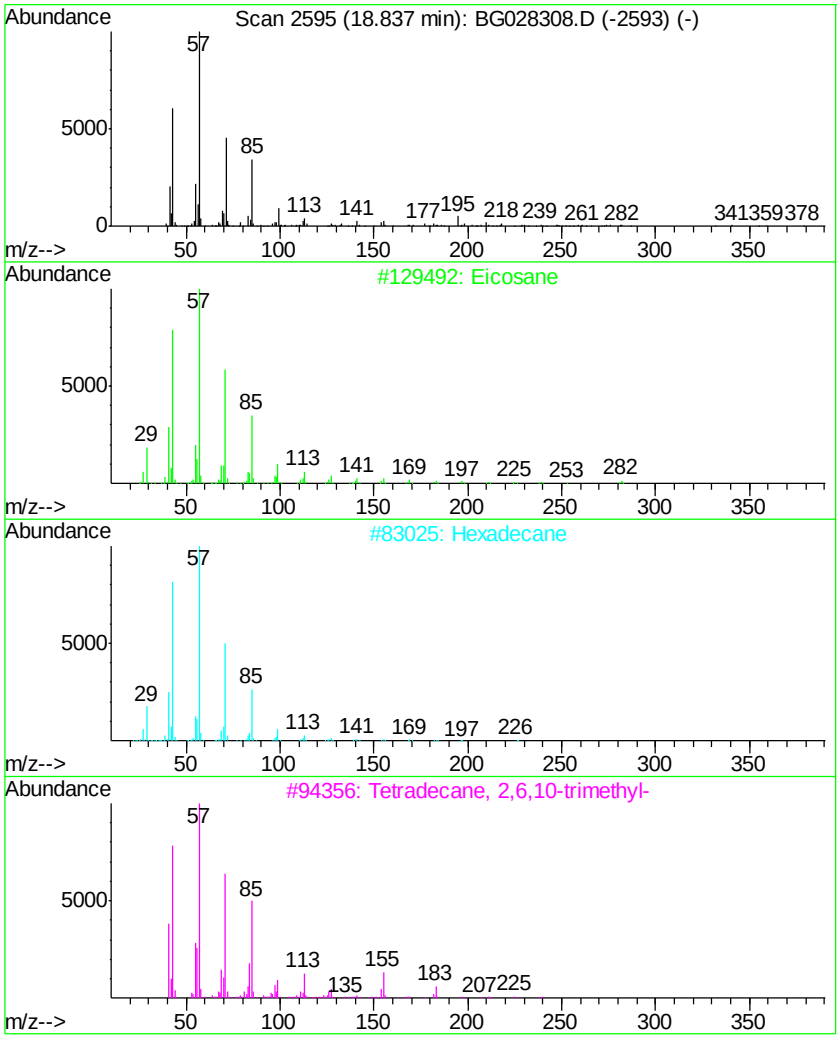
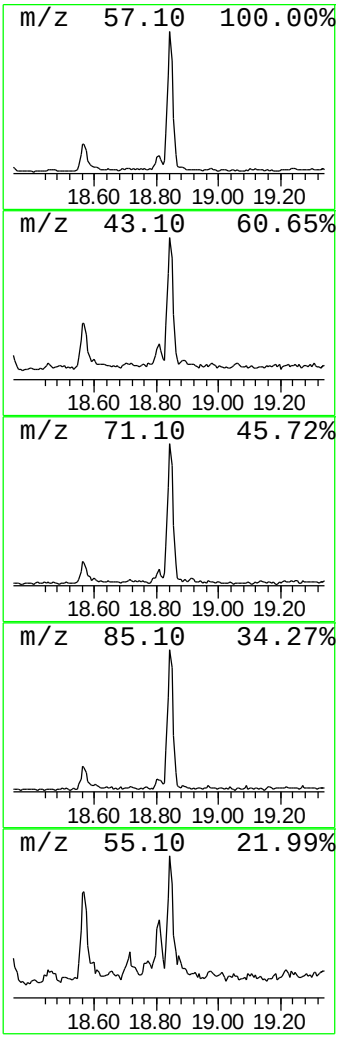
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	8.80 ng/ul	448980	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Hexadecane	226	C16H34	000544-76-3	80
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72
4	Heneicosane	296	C21H44	000629-94-7	72
5	Tetracosane	338	C24H50	000646-31-1	72





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Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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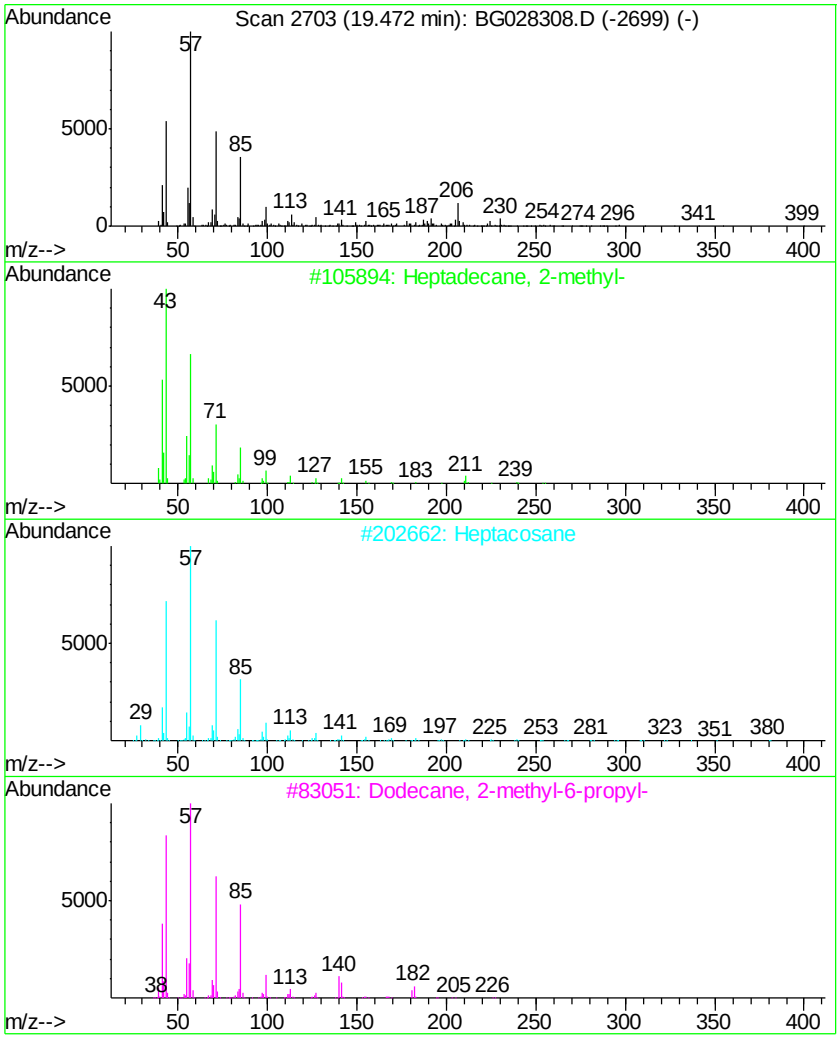
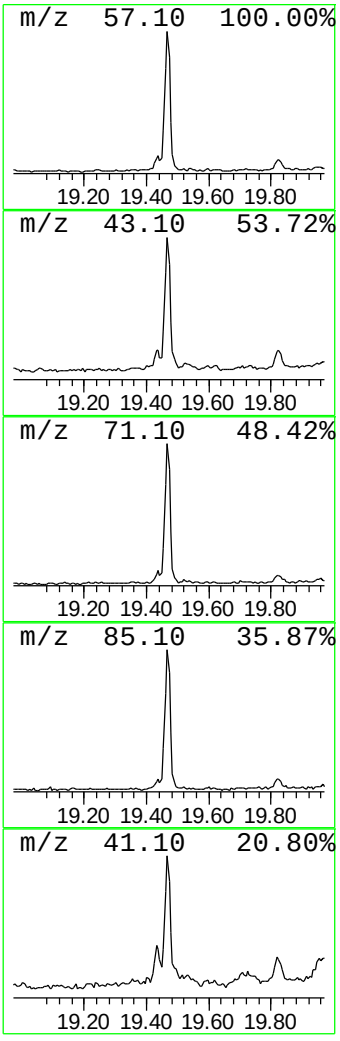
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	16.82 ng/ul	858698	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87
2	Heptacosane	380	C27H56	000593-49-7	83
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Octadecane	254	C18H38	000593-45-3	74
5	Heptadecane	240	C17H36	000629-78-7	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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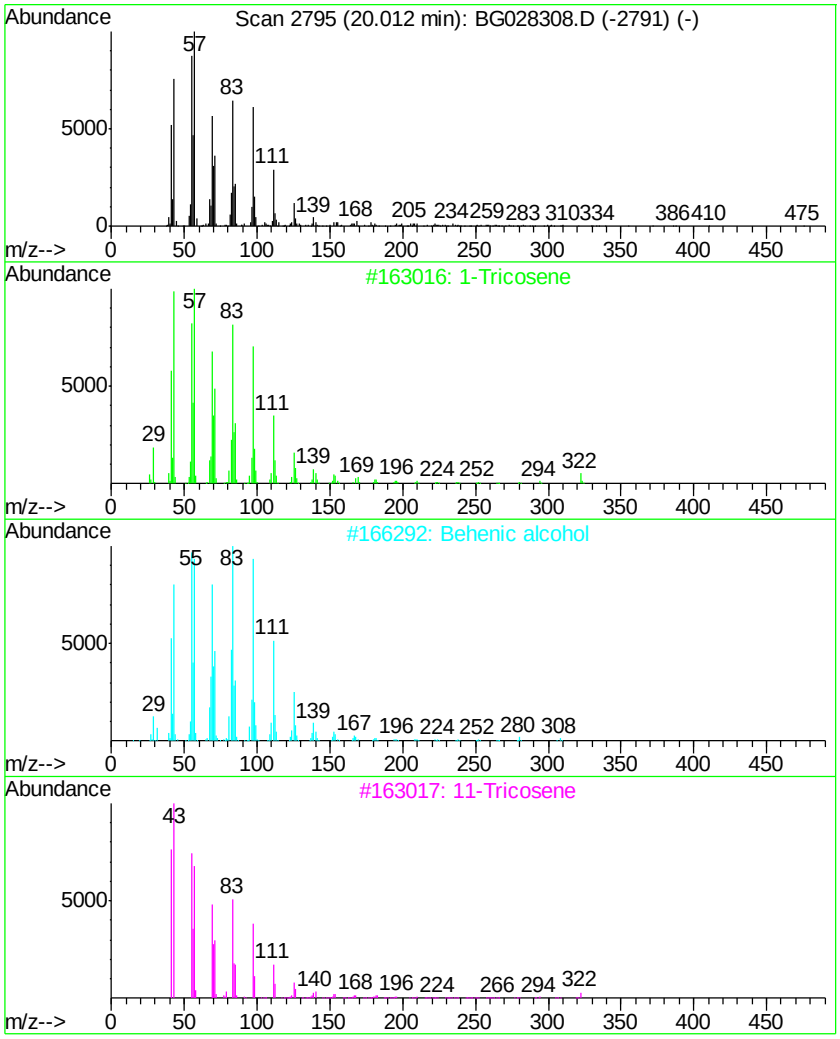
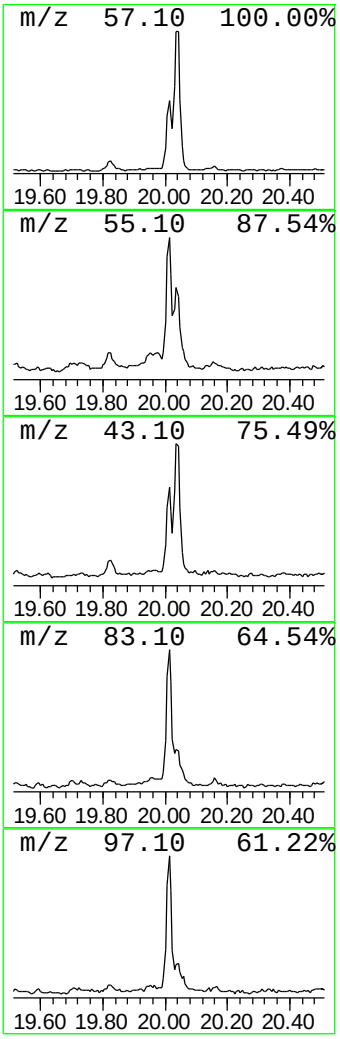
Peak Number 49 (DEL) Alkane: Cyclic20.01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	11.66 ng/ul	877159	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	91
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	11-Tricosene	322	C23H46	052078-56-5	91
4	Octacosanol	410	C28H58O	000557-61-9	90
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	90





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Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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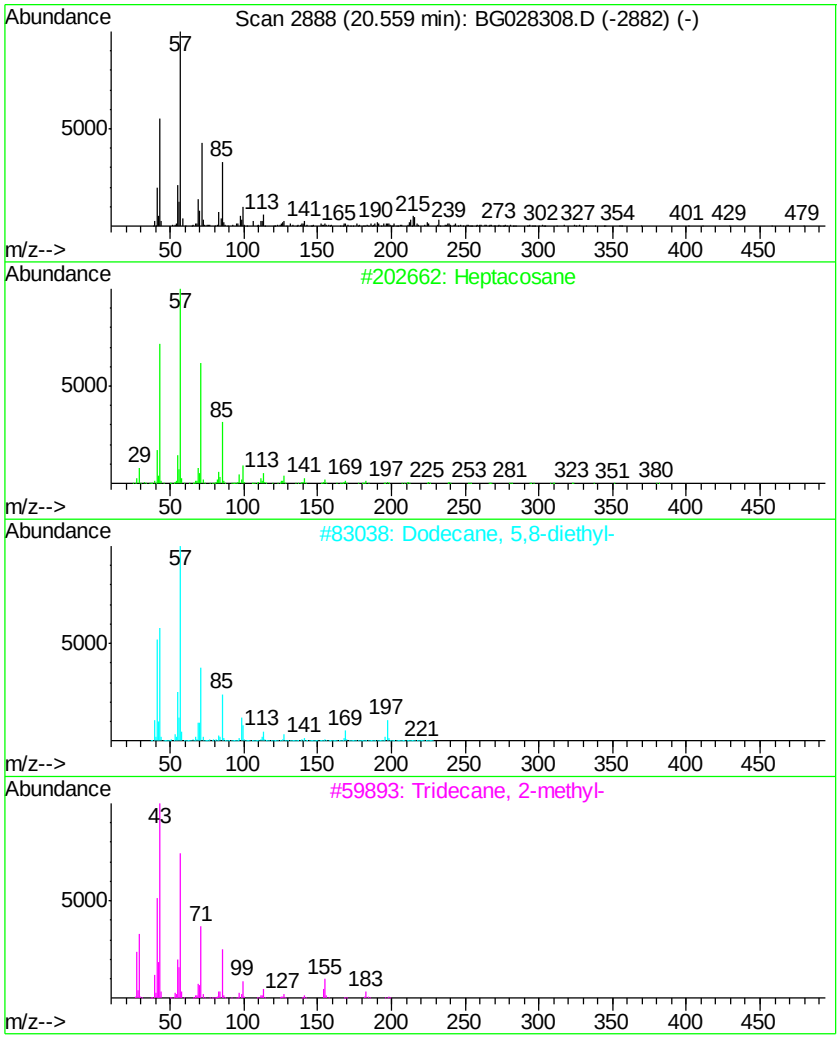
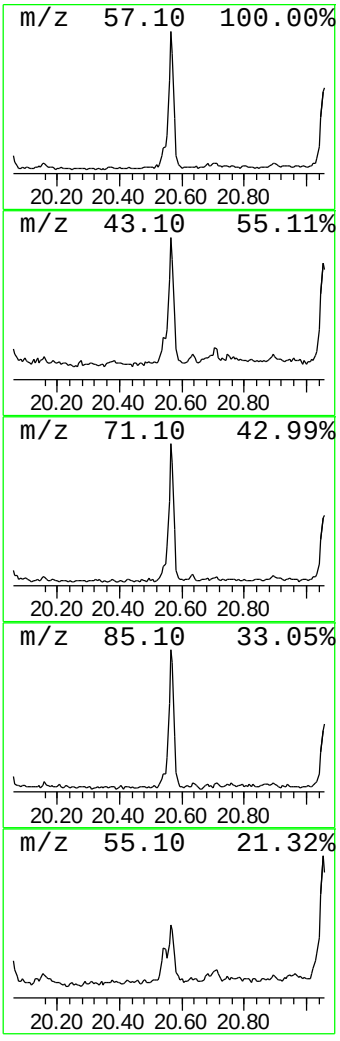
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	12.07 ng/ul	907924	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	87
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
4	Pentadecane	212	C15H32	000629-62-9	83
5	Hexadecane	226	C16H34	000544-76-3	80





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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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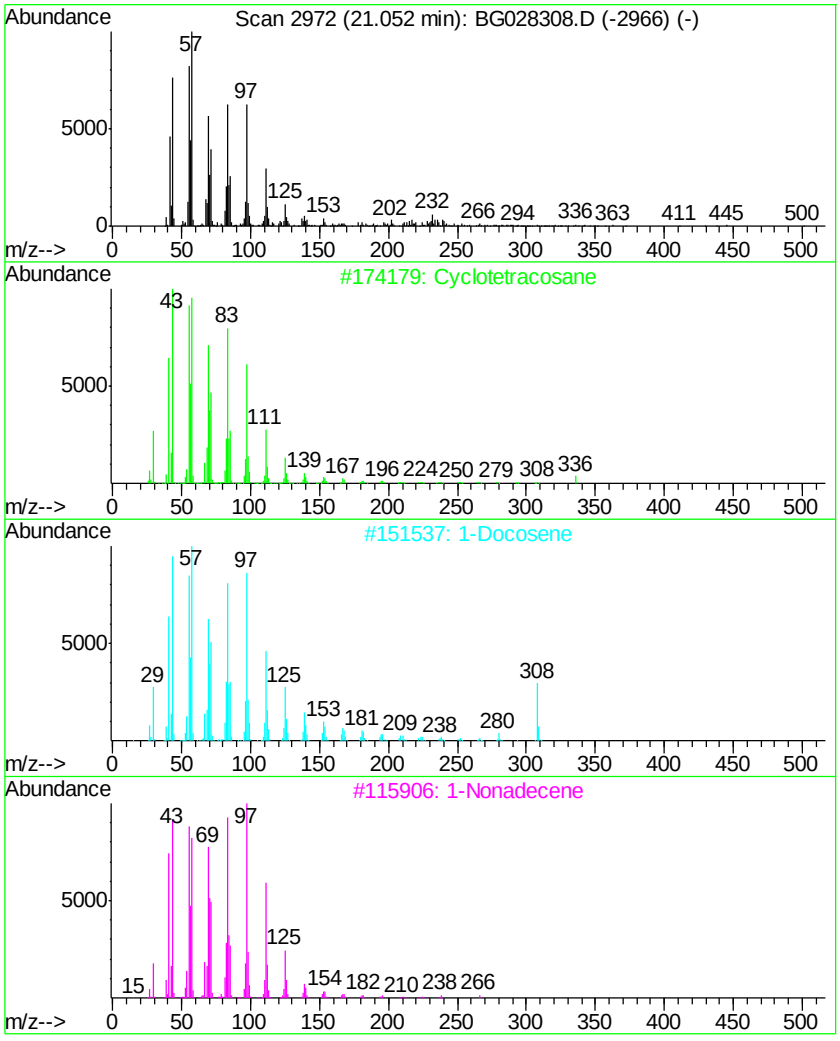
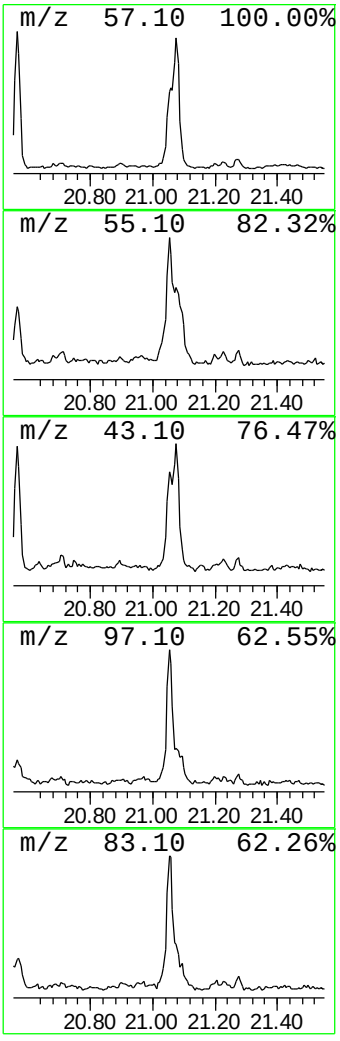
Peak Number 53 (DEL) Alkane: Cyclic21.05 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	12.21 ng/ul	917926	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	99
2	1-Docosene	308	C22H44	001599-67-3	96
3	1-Nonadecene	266	C19H38	018435-45-5	93
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

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Quant Title : SVOA CALIBRATION

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

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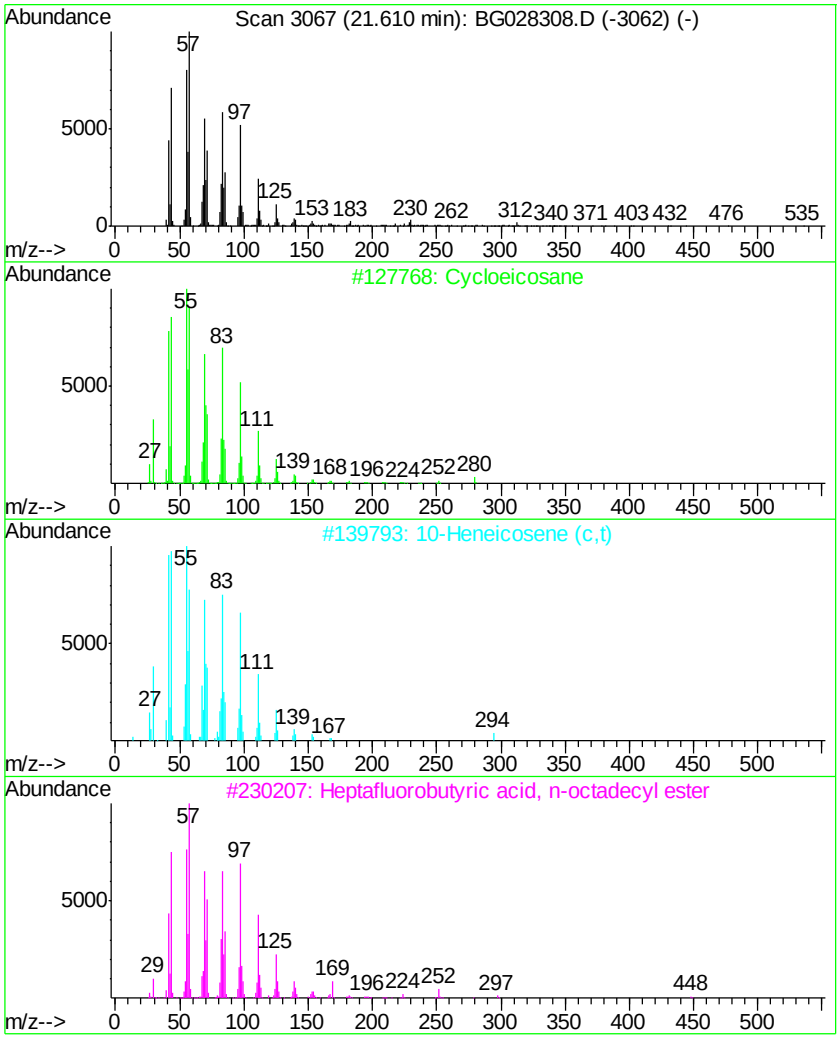
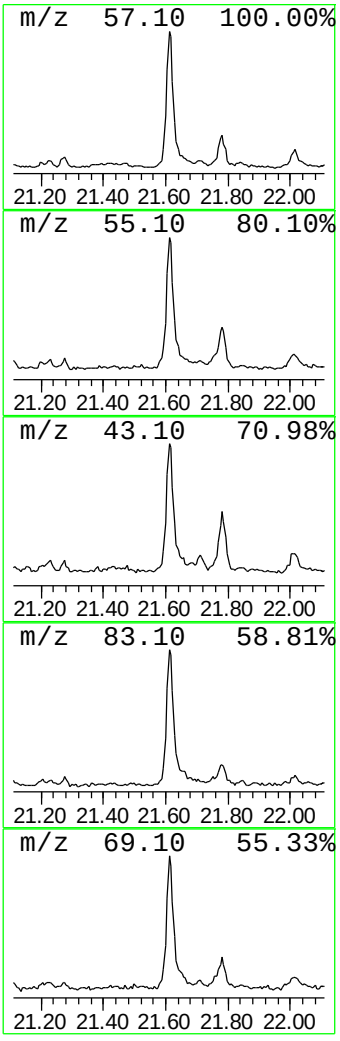
Peak Number 54 (DEL) Alkane: Cyclic21.61 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	18.95 ng/ul	1425270	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	95
2	10-Heneicosene (c,t)	294	C21H42	095008-11-0	95
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





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Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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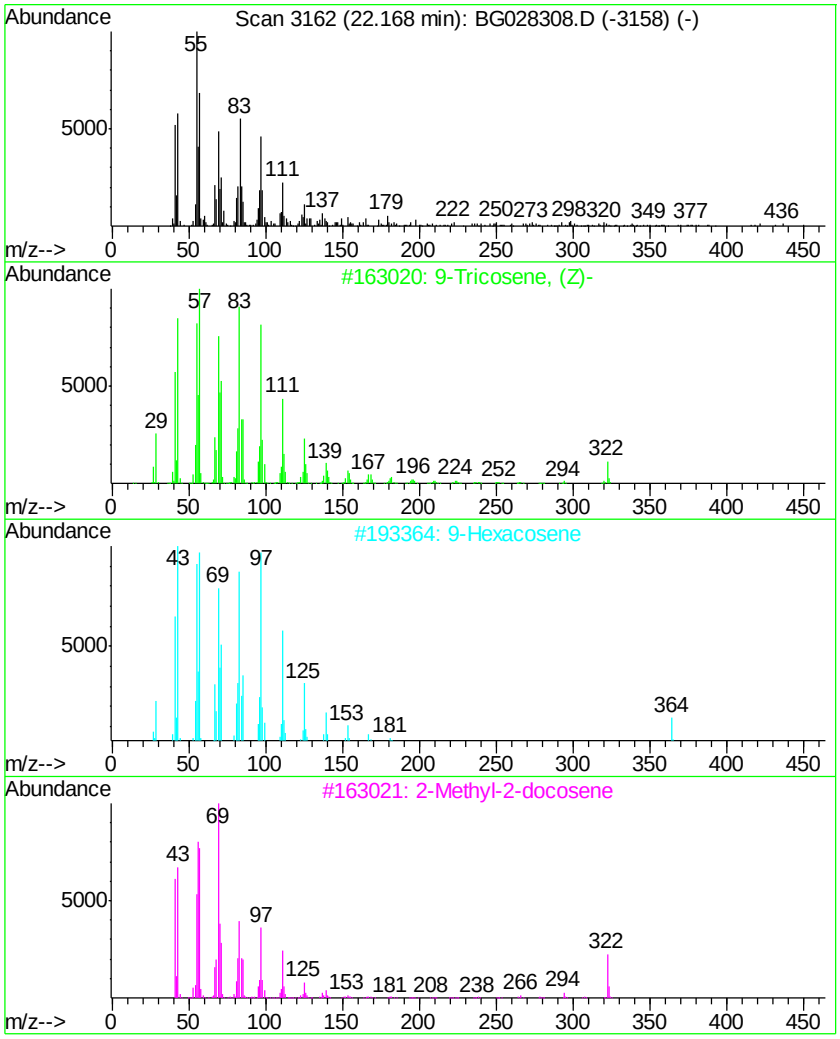
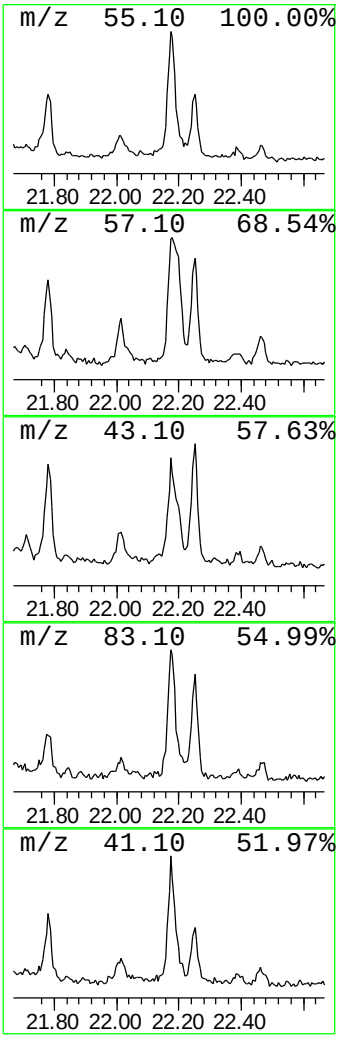
Peak Number 56 (DEL) Alkane: Cyclic22.17 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	13.81 ng/ul	1038840	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
2	9-Hexacosene	364	C26H52	071502-22-2	93
3	2-Methyl-2-docosene	322	C23H46	1000131-16-9	91
4	3-Octadecene, (E)-	252	C18H36	007206-19-1	90
5	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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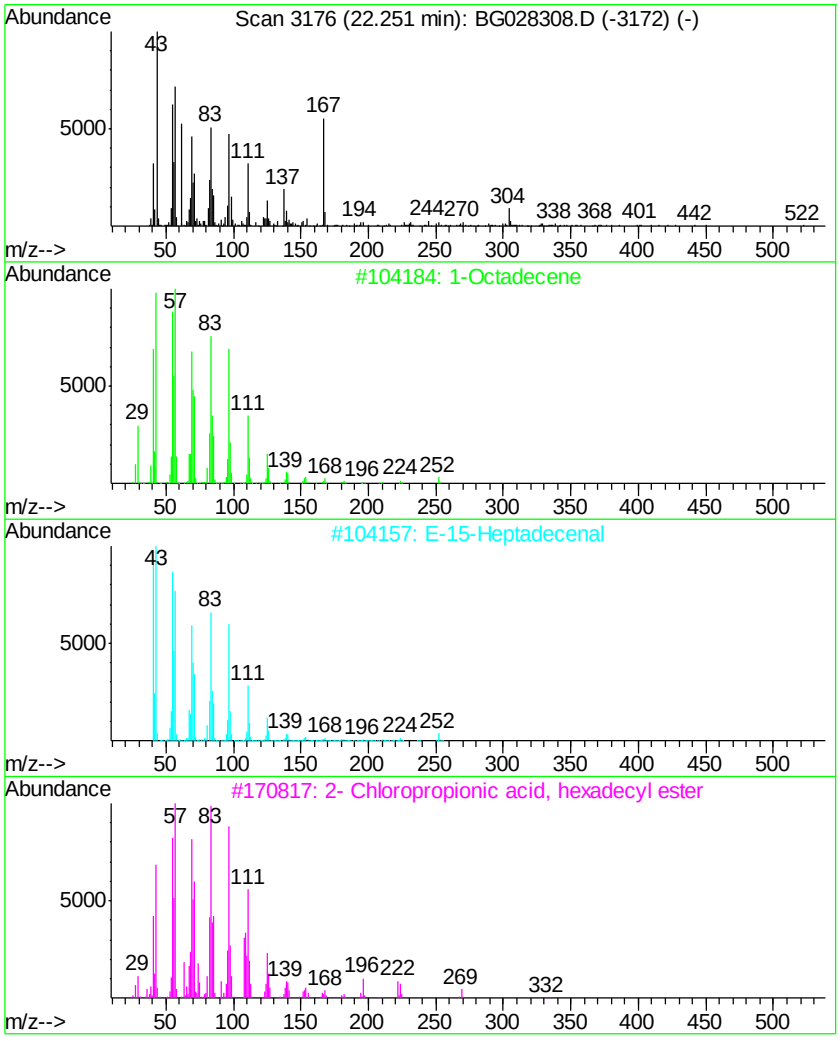
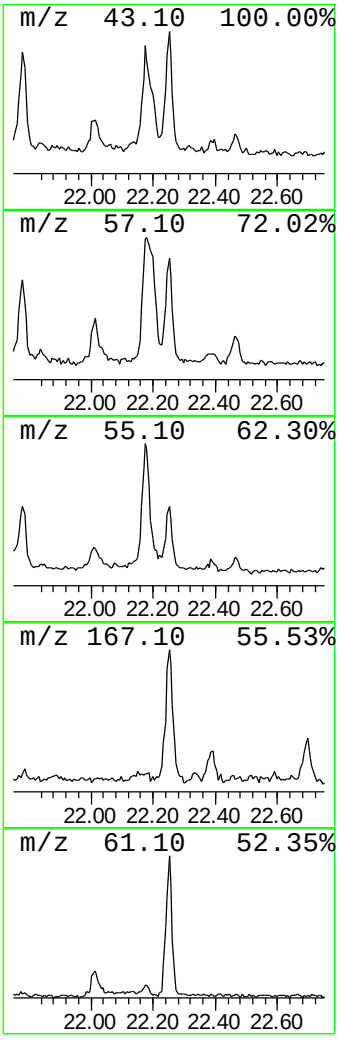
Peak Number 57 (DEL) Alkane: Cyclic22.25 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	8.52 ng/ul	640790	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	89
2	E-15-Heptadecenal	252	C17H32O	1000130-97-9	87
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	64
4	1-Docosanol, acetate	368	C24H48O2	000822-26-4	62
5	Acetic acid n-octadecyl ester	312	C20H40O2	000822-23-1	62





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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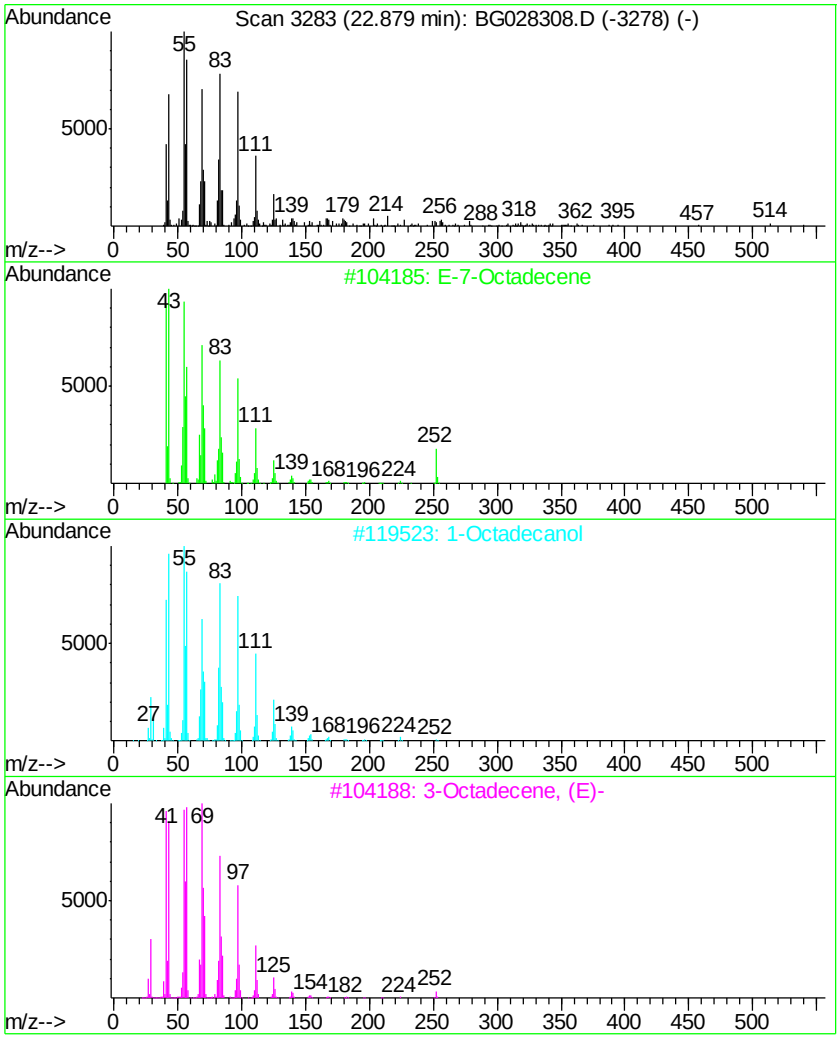
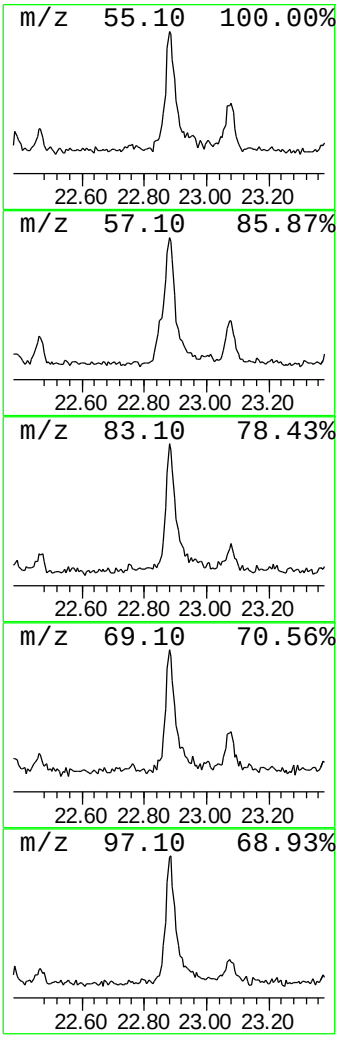
Peak Number 58 (DEL) Alkane: Cyclic22.88 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.88	6.87 ng/ul	516867	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-7-Octadecene	252	C18H36	1000130-92-0	87
2	1-Octadecanol	270	C18H38O	000112-92-5	87
3	3-Octadecene, (E)-	252	C18H36	007206-19-1	86
4	1-Docosene	308	C22H44	001599-67-3	80
5	Fumaric acid, 2-chloroethyl hexa...	402	C22H39ClO4	1000330-62-2	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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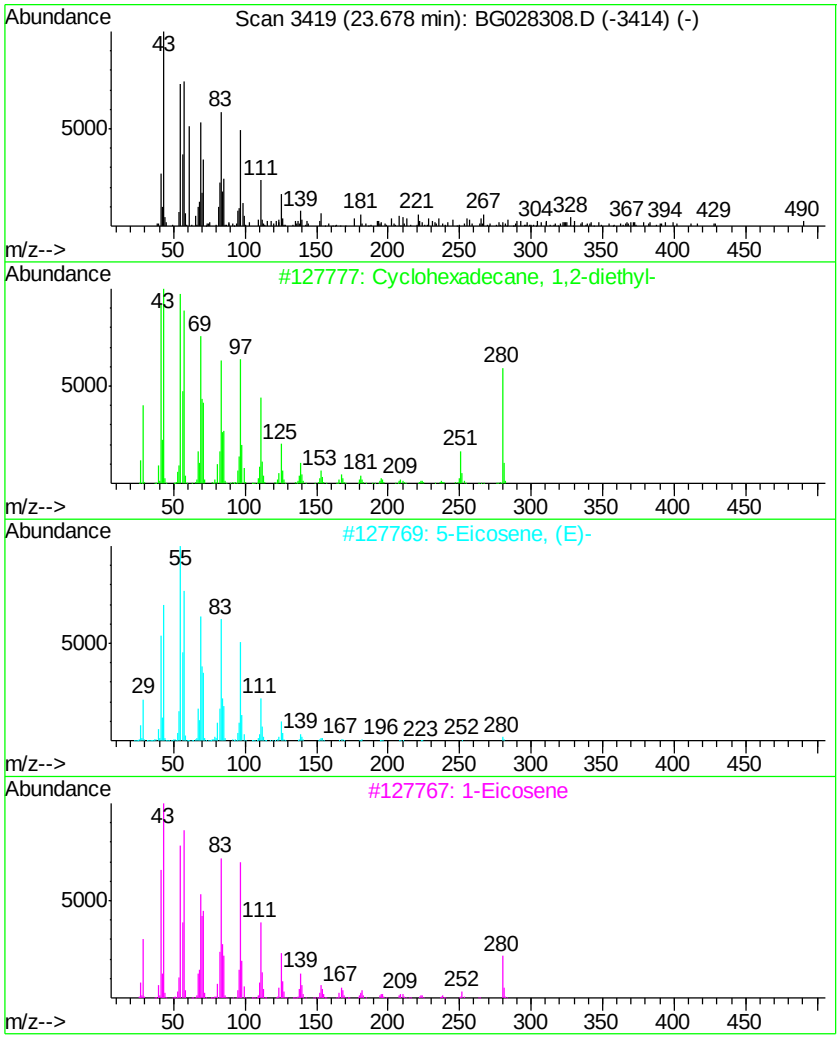
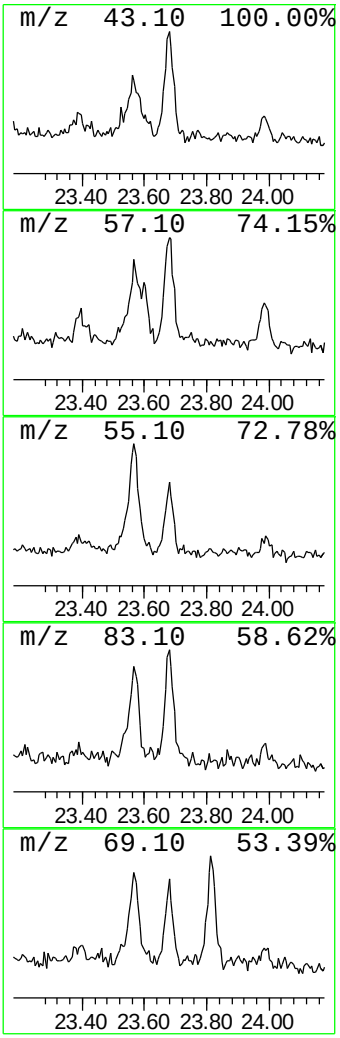
Peak Number 61 (DEL) Alkane: Cyclic23.68 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.68	3.69 ng/ul	277226	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	92
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
3	1-Eicosene	280	C20H40	003452-07-1	90
4	Tricosyl acetate	382	C25H50O2	1000351-77-8	87
5	Cyclotetracosane	336	C24H48	000297-03-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AA5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Benzene, (1-methy...	10.59	8.0	ng/ul	233659	2	11.18	582580	20.0
2-Propenal, 2-met...	11.41	7.1	ng/ul	207988	2	11.18	582580	20.0
1H-Benzimidazole,...	11.58	9.1	ng/ul	265304	2	11.18	582580	20.0
Phenol, 2-ethyl-4...	11.98	6.1	ng/ul	177379	2	11.18	582580	20.0
Phenol, 4-ethyl-2...	12.31	8.5	ng/ul	247019	2	11.18	582580	20.0
(DEL) Alkane: Str...	12.53	7.2	ng/ul	209560	2	11.18	582580	20.0
Naphthalene, 1,2,...	12.69	6.0	ng/ul	175984	2	11.18	582580	20.0
2,3,4-Trifluorobe...	12.97	5.8	ng/ul	167446	2	11.18	582580	20.0
Naphthalene, 1-me...	13.03	8.4	ng/ul	243787	2	11.18	582580	20.0
1H-Indene, 2,3-di...	13.11	3.2	ng/ul	174317	3	14.97	1075880	20.0
Phenol, 2,6-dimet...	13.23	7.8	ng/ul	420182	3	14.97	1075880	20.0
unknown01	13.45	4.6	ng/ul	247937	3	14.97	1075880	20.0
1H-Indene, 1,1,3-...	13.68	5.4	ng/ul	289339	3	14.97	1075880	20.0
Naphthalene, 1,2,...	13.93	3.6	ng/ul	193994	3	14.97	1075880	20.0
Naphthalene, 1-et...	14.00	4.4	ng/ul	237973	3	14.97	1075880	20.0
Naphthalene, 1,7-...	14.14	8.6	ng/ul	464551	3	14.97	1075880	20.0
1,2,3-Trimethoxyb...	14.30	20.9	ng/ul	1124040	3	14.97	1075880	20.0
Naphthalene, 1,4-...	14.52	3.8	ng/ul	201600	3	14.97	1075880	20.0
(DEL) Alkane: Str...	14.82	5.7	ng/ul	306433	3	14.97	1075880	20.0
4-Ethylbiphenyl	15.09	15.9	ng/ul	853190	3	14.97	1075880	20.0
Naphthalene, 2,3,...	15.43	5.5	ng/ul	293057	3	14.97	1075880	20.0
Naphthalene, 1,6,...	15.72	6.7	ng/ul	360803	3	14.97	1075880	20.0
(DEL) Alkane: Str...	15.76	5.6	ng/ul	301990	3	14.97	1075880	20.0
unknown02	15.88	12.7	ng/ul	680915	3	14.97	1075880	20.0
9H-Fluoren-9-ol	16.30	5.1	ng/ul	274856	3	14.97	1075880	20.0
Benzaldehyde, 4-h...	16.39	4.3	ng/ul	219058	4	17.71	1020920	20.0
6H-Dibenzo[b,d]-p...	16.45	5.4	ng/ul	277519	4	17.71	1020920	20.0
unknown03	16.55	6.3	ng/ul	319196	4	17.71	1020920	20.0
(DEL) Alkane: Str...	16.63	11.1	ng/ul	568039	4	17.71	1020920	20.0
9H-Fluorene, 1-me...	17.06	5.6	ng/ul	286017	4	17.71	1020920	20.0
unknown04	17.24	12.0	ng/ul	611324	4	17.71	1020920	20.0
(DEL) Alkane: Str...	17.42	14.0	ng/ul	716700	4	17.71	1020920	20.0
(DEL) Alkane: Str...	18.16	14.0	ng/ul	714586	4	17.71	1020920	20.0
(DEL) Alkane: Cyc...	18.81	3.5	ng/ul	177018	4	17.71	1020920	20.0
(DEL) Alkane: Str...	18.84	8.8	ng/ul	448980	4	17.71	1020920	20.0
(DEL) Alkane: Str...	19.47	16.8	ng/ul	858698	4	17.71	1020920	20.0
(DEL) Alkane: Cyc...	20.01	11.7	ng/ul	877159	5	22.05	1504180	20.0
(DEL) Alkane: Str...	20.56	12.1	ng/ul	907924	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	21.05	12.2	ng/ul	917926	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	21.61	18.9	ng/ul	1425270	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	22.17	13.8	ng/ul	1038840	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	22.25	8.5	ng/ul	640790	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	22.88	6.9	ng/ul	516867	5	22.05	1504180	20.0
(DEL) Alkane: Cyc...	23.68	3.7	ng/ul	277226	5	22.05	1504180	20.0