LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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	7.513	660	668	687	rVB3	152813	368638	11.23%	0.615%
2	7.894	724	733	739	rVV	144191	268465	8.18%	0.448%
3	8.359	799	812	825	rBV	181851	345944	10.54%	0.577%
4	9.058	924	931	937	rVV	194304	354814	10.81%	0.592%
5	9.528	1004	1011	1021	rVB2	158571	347493	10.58%	0.580%
6	10.250	1122	1134	1142	rBV	149120	299332	9.12%	0.499%
7	10.597	1182	1193	1197	rBV5	92359	308222	9.39%	0.514%
8	10.797	1220	1227	1234	rVV	234639	444265	13.53%	0.741%
9	11.179	1284	1292	1297	rBV	276789	481119	14.66%	0.803%
10	11.408	1327	1331	1345	rVB4	82401	268765	8.19%	0.448%
11	11.537	1345	1353	1356	rBV5	90842	198147	6.04%	0.331%
12	11.578	1356	1360	1367	rVV2	169067	340788	10.38%	0.569%
13	11.984	1423	1429	1436	rBV2	264673	461044	14.04%	0.769%
14	12.313	1480	1485	1492	rBV	117153	225900	6.88%	0.377%
15	12.536	1518	1523	1529	rBV4	135212	212306	6.47%	0.354%
16	12.695	1541	1550	1561	rVB6	61777	201201	6.13%	0.336%
17	12.806	1564	1569	1573	rBV	222288	390791	11.90%	0.652%
18	12.853	1573	1577	1582	rVB2	124871	202063	6.15%	0.337%
19	13.024	1602	1606	1614	rVB	161705	273862	8.34%	0.457%
20	13.112	1615	1621	1625	rBV	126917	226588	6.90%	0.378%
21	13.223	1632	1640	1650	rVB2	244431	547109	16.67%	0.913%
22	13.453	1672	1679	1685	rVB3	109806	219675	6.69%	0.366%
23	13.682	1706	1718	1724	rBV6	149234	467949	14.25%	0.781%
24	13.752	1724	1730	1735	rVB4	218848	342166	10.42%	0.571%
25	13.940	1750	1762	1767	rBV7	83307	269607	8.21%	0.450%
26	14.005	1767	1773	1780	rBV7	101376	296603	9.03%	0.495%
27	14.140	1785	1796	1804	rBV8	166964	597481	18.20%	0.997%
28	14.299	1815	1823	1827	rVV2	474786	1050177	31.99%	1.752%
29	14.352	1827	1832	1837	rVV2	407840	839813	25.58%	1.401%
30	14.522	1854	1861	1869	rVV6	108101	302635	9.22%	0.505%
31	14.663	1879	1885	1894	rBV	424200	858699	26.16%	1.433%
32	14.816	1907	1911	1916	rBV	211887	290105	8.84%	0.484%
33	14.968	1926	1937	1945	rBV3	445264	1106632	33.71%	1.846%
34	15.098	1953	1959	1965	rVV	614875	1020628	31.09%	1.703%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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	15.192	1971	1975	1981	rVB3	156130	265894	8.10%	0.444%
36	15.350	1996	2002	2011	rVB5	194645	473110	14.41%	0.789%
37	15.427	2011	2015	2023	rBV4	156746	242436	7.38%	0.404%
38	15.574	2032	2040	2045	rBV6	133679	366164	11.15%	0.611%
39	15.627	2045	2049	2058	rVB5	153725	264719	8.06%	0.442%
40	15.721	2058	2065	2069	rBV3	172257	459645	14.00%	0.767%
41	15.768	2069	2073	2077	rVB2	152968	201555	6.14%	0.336%
42	15.885	2088	2093	2098	rBV	629676	863202	26.29%	1.440%
43	15.956	2100	2105	2109	rBV	465170	678221	20.66%	1.131%
44	16.008	2109	2114	2119	rVB2	202268	375190	11.43%	0.626%
45	16.079	2122	2126	2134	rVB2	217096	331459	10.10%	0.553%
46	16.390	2175	2179	2183	rBV3	169871	298182	9.08%	0.497%
47	16.443	2184	2188	2195	rVB3	153642	357807	10.90%	0.597%
48	16.625	2214	2219	2223	rBV2	423946	584119	17.79%	0.974%
49	16.990	2276	2281	2289	rBV4	340435	872129	26.57%	1.455%
50	17.066	2289	2294	2299	rBV5	218528	401890	12.24%	0.670%
51	17.166	2307	2311	2316	rBV4	122086	236672	7.21%	0.395%
52	17.242	2318	2324	2338	rVB5	281432	773750	23.57%	1.291%
53	17.424	2351	2355	2363	rVB5	372273	785880	23.94%	1.311%
54	17.554	2372	2377	2383	rVB	303680	492092	14.99%	0.821%
55	17.718	2398	2405	2409	rVV2	529184	995301	30.32%	1.660%
56	17.759	2409	2412	2416	rVV	197877	276186	8.41%	0.461%
57	17.818	2416	2422	2430	rVV	580419	1113978	33.93%	1.858%
58	17.889	2430	2434	2441	rVB3	488917	955936	29.12%	1.595%
59	18.159	2477	2480	2484	rVB	335735	423854	12.91%	0.707%
60	18.459	2527	2531	2543	rVB9	167659	399563	12.17%	0.667%
61	18.570	2545	2550	2557	rBV3	625493	997347	30.38%	1.664%
62	18.635	2558	2561	2570	rVB4	215462	354480	10.80%	0.591%
63	18.717	2570	2575	2580	rBV3	171650	297546	9.06%	0.496%
64	18.776	2580	2585	2587	rBV4	182971	316204	9.63%	0.528%
65	18.811	2588	2591	2593	rVV3	190470	256224	7.80%	0.427%
66	18.846	2593	2597	2603	rVB	413696	530575	16.16%	0.885%
67	19.287	2668	2672	2675	rBV5	151660	241483	7.36%	0.403%
68	19.404	2688	2692	2695	rBV3	230391	330800	10.08%	0.552%
69	19.434	2695	2697	2700	rVV3	217753	217958	6.64%	0.364%
70	19.469	2700	2703	2709	rVB2	653071	887766	27.04%	1.481%
71	19.739	2741	2749	2757	rBV10	226465	656506	20.00%	1.095%

LSC Area Percent Report

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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

72	19.822	2758	2763	2771	rBV8	304140	592479	18.05%	0.988%
73	19.939	2779	2783	2792	rBV8	155094	392661	11.96%	0.655%
74	20.010	2792	2795	2798	rVV	930808	1215041	37.01%	2.027%
75	20.039	2798	2800	2804	rVV	952862	974857	29.69%	1.626%
76	20.092	2804	2809	2819	rVB2	790248	1462231	44.54%	2.439%
77	20.568	2883	2890	2903	rVB2	574583	970607	29.57%	1.619%
78	21.055	2968	2973	2979	rBV2	872924	1843359	56.15%	3.075%
79	21.614	3063	3068	3079	rVB	800968	1378838	42.00%	2.300%
80	21.714	3082	3085	3089	rBV4	129778	206593	6.29%	0.345%
81	21.784	3094	3097	3103	rVB4	348124	563139	17.15%	0.939%
82	22.019	3132	3137	3139	rBV2	345329	557216	16.97%	0.930%
83	22.054	3139	3143	3150	rVB	641336	1146081	34.91%	1.912%
84	22.178	3159	3164	3171	rBV4	441479	1131204	34.46%	1.887%
85	22.254	3173	3177	3196	rVB4	473037	1366349	41.62%	2.279%
86	22.889	3281	3285	3292	rBV2	162037	285056	8.68%	0.476%
87	22.965	3294	3298	3309	rVB	260163	554853	16.90%	0.926%
88	23.770	3431	3435	3442	rVB2	120369	201356	6.13%	0.336%
89	24.898	3621	3627	3641	rVB2	144163	404291	12.31%	0.674%
90	25.339	3694	3702	3720	rVB2	339697	1082928	32.99%	1.807%
91	25.585	3736	3744	3766	rVB2	309164	1025928	31.25%	1.712%
92	26.226	3844	3853	3863	rVB2	368975	1102869	33.59%	1.840%
93	26.684	3922	3931	3950	rVB10	279449	1095392	33.37%	1.827%
94	26.890	3954	3966	3976	rVB5	692585	2219381	67.60%	3.703%
95	27.007	3981	3986	3997	rVB5	150163	454049	13.83%	0.757%
96	27.137	4000	4008	4017	rVB5	122817	373147	11.37%	0.623%
97	27.536	4054	4076	4093	rVB5	604586	3282948	100.00%	5.477%
98	29.311	4372	4378	4395	rVB5	126101	464760	14.16%	0.775%
99	31.361	4721	4727	4744	rVB5	53569	259506	7.90%	0.433%
100	32.524	4922	4925	4941	rVB5	76763	330532	10.07%	0.551%

Sum of corrected areas: 59942500

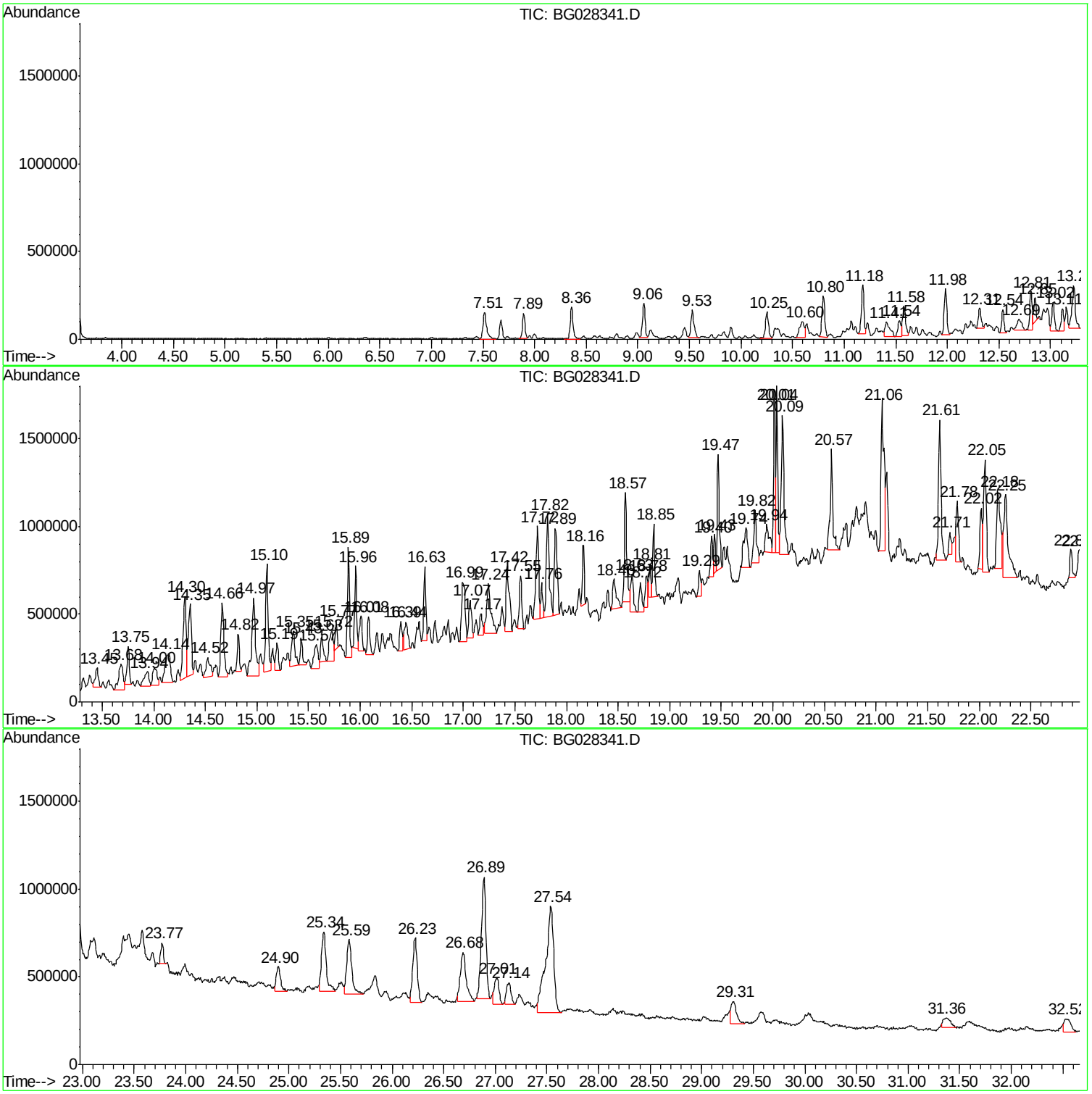
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

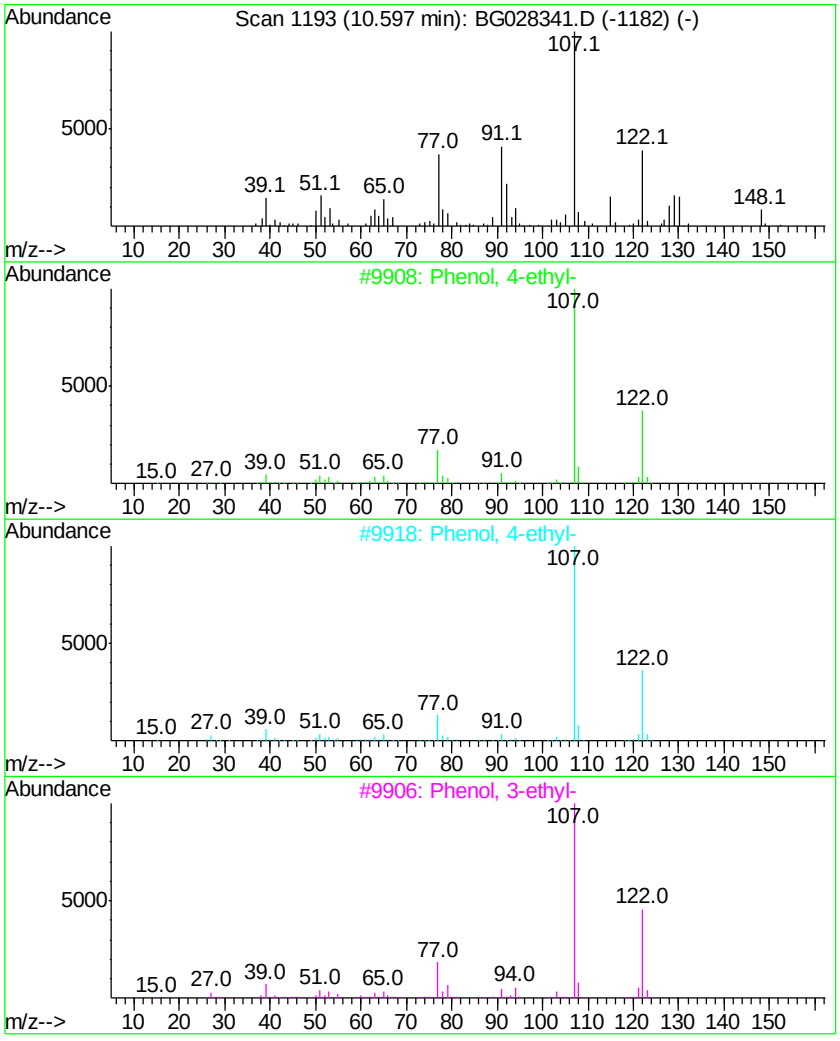
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

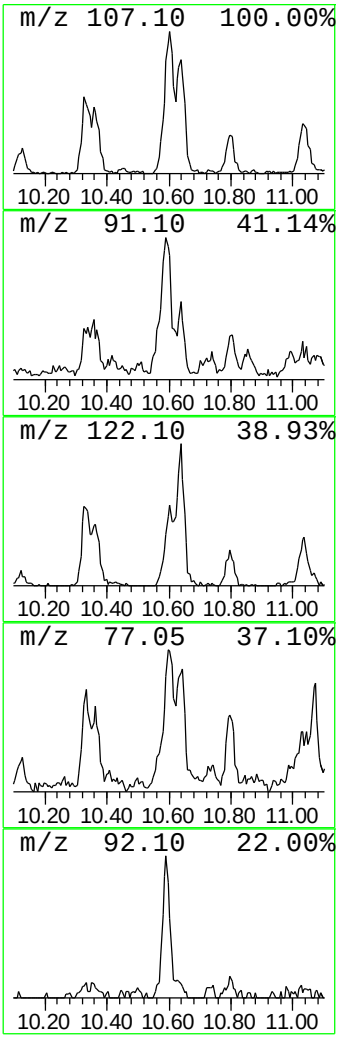
****

Peak Number 1 Phenol, 4-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	12.81 ng/ul	308222	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	64
2	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	64
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	62
4	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	58
5	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	58





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

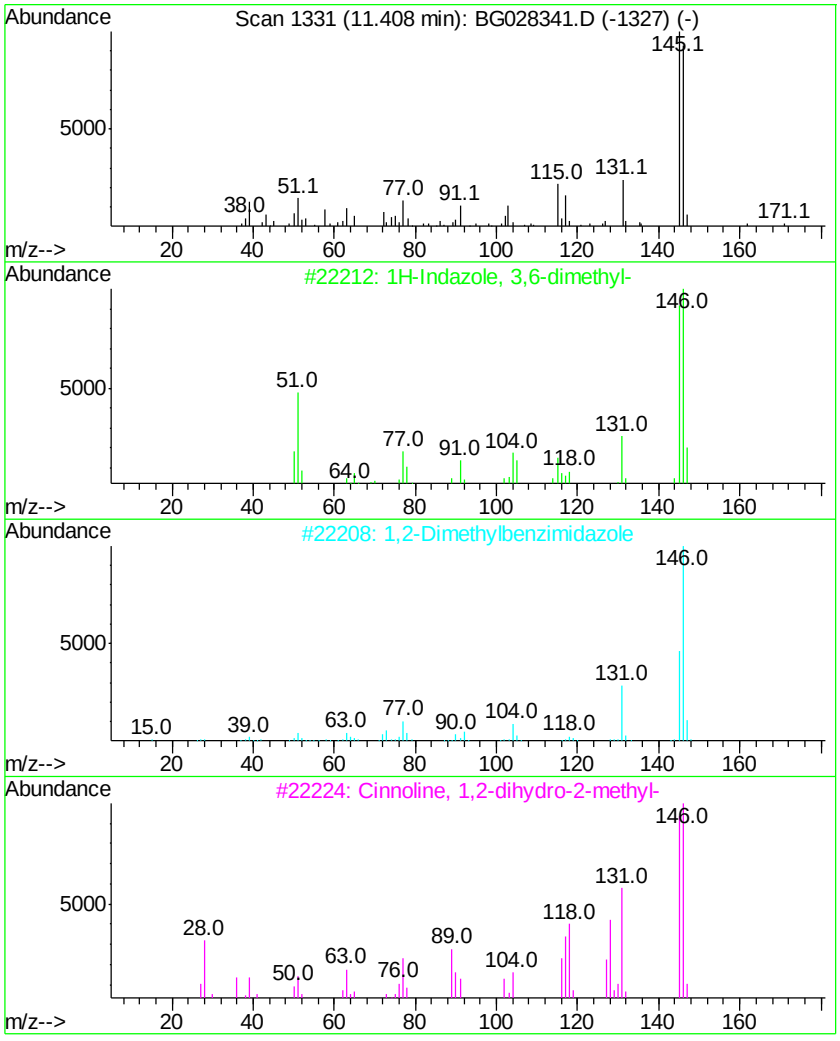
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

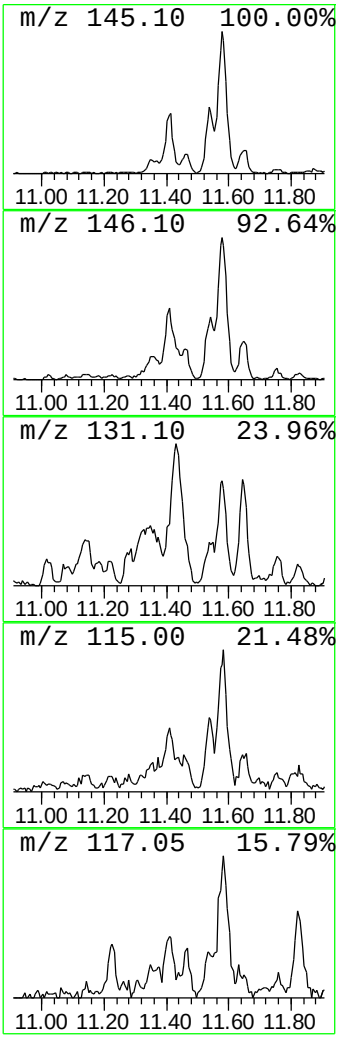
****

Peak Number 2 1H-Indazole, 3,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	11.17 ng/ul	268765	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indazole, 3,6-dimethyl-	146	C9H10N2	007746-28-3	50
2	1,2-Dimethylbenzimidazole	146	C9H10N2	002876-08-6	46
3	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	45
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	45
5	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	42





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

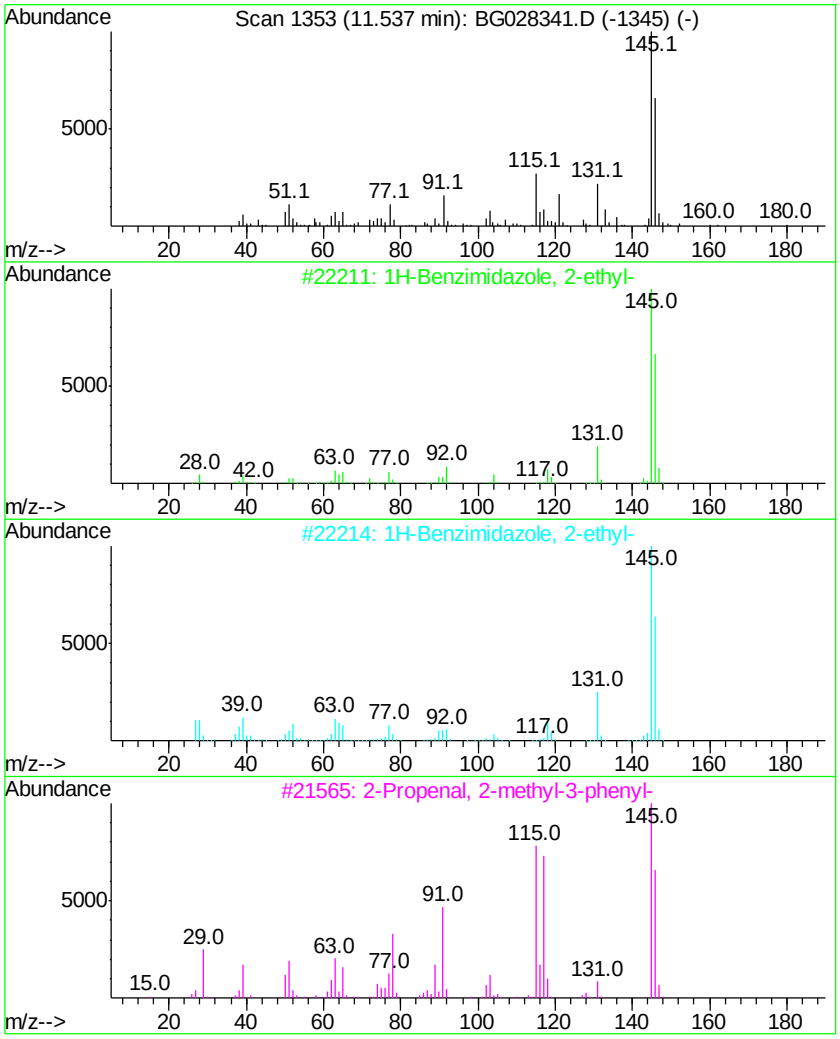
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

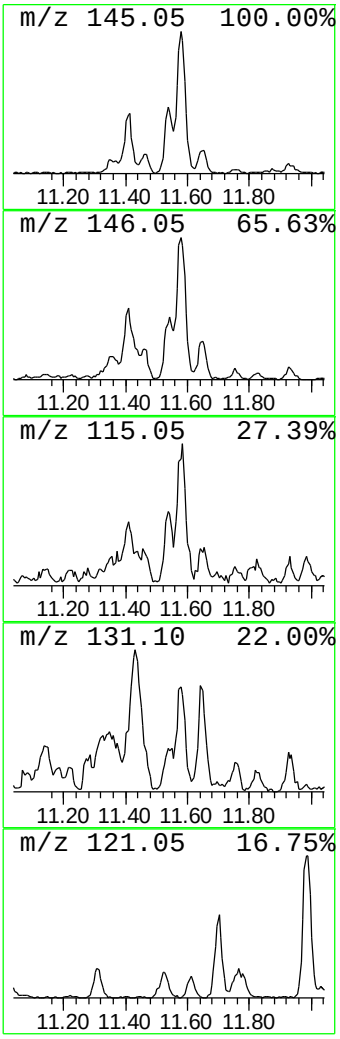
****

Peak Number 3 1H-Benzimidazole, 2-ethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	8.24 ng/ul	198147	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	59
4	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	52
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	50





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

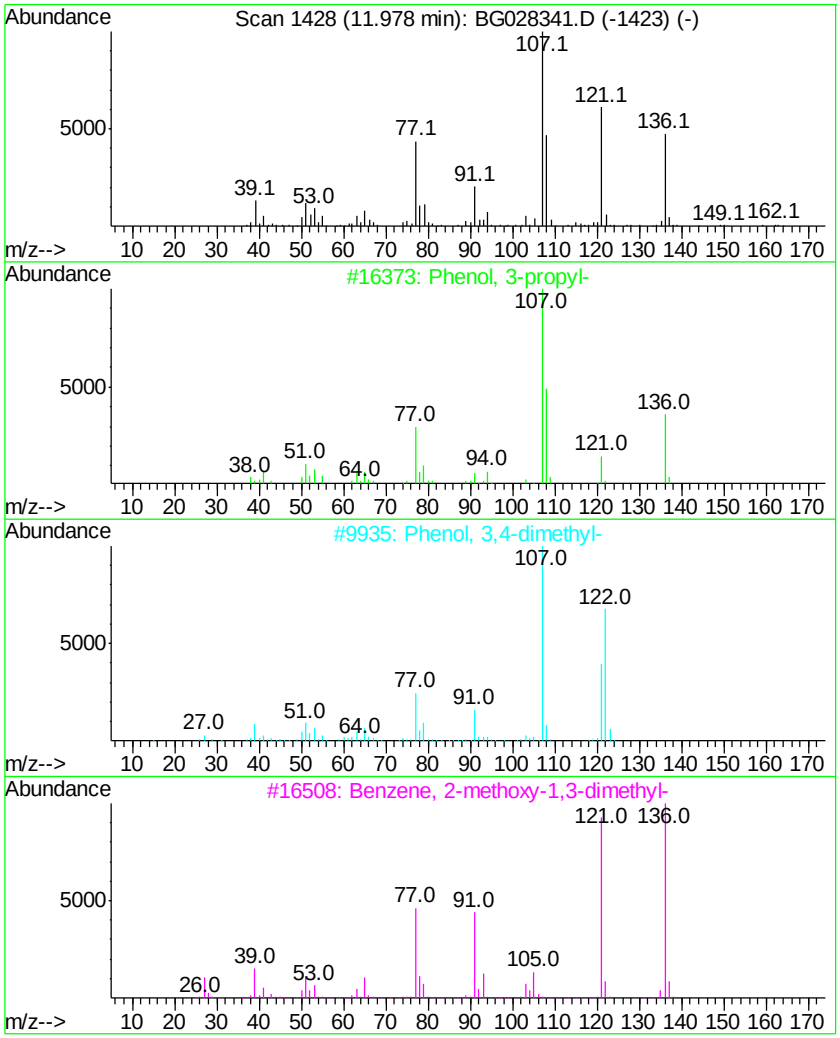
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

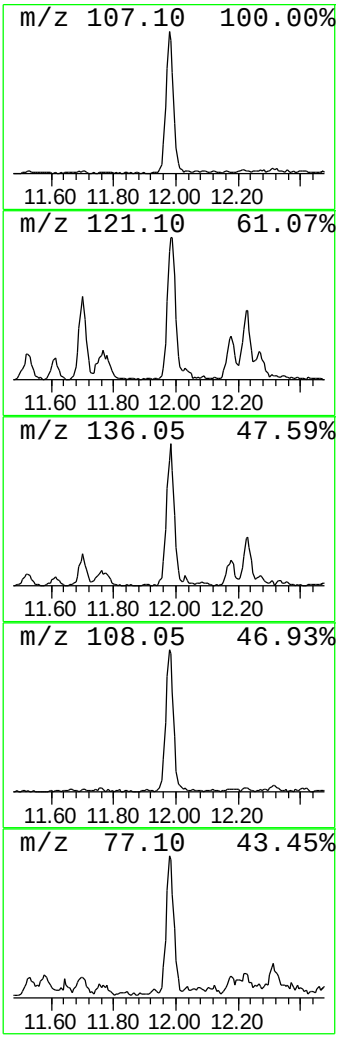
****

Peak Number 5 Phenol, 3-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	19.17 ng/ul	461044	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-propyl-	136	C9H12O	000621-27-2	91
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	49
3	Benzene, 2-methoxy-1,3-dimethyl-	136	C9H12O	001004-66-6	46
4	Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	43
5	Phenol, 4-propyl-	136	C9H12O	000645-56-7	43





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

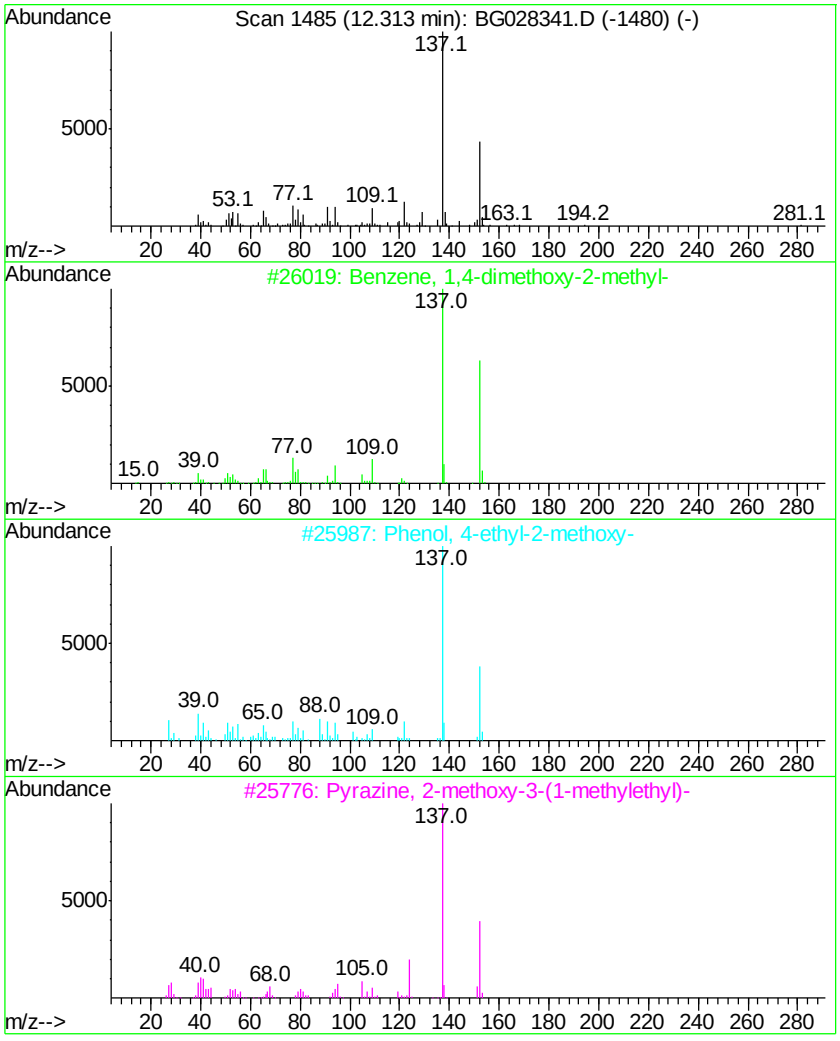
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

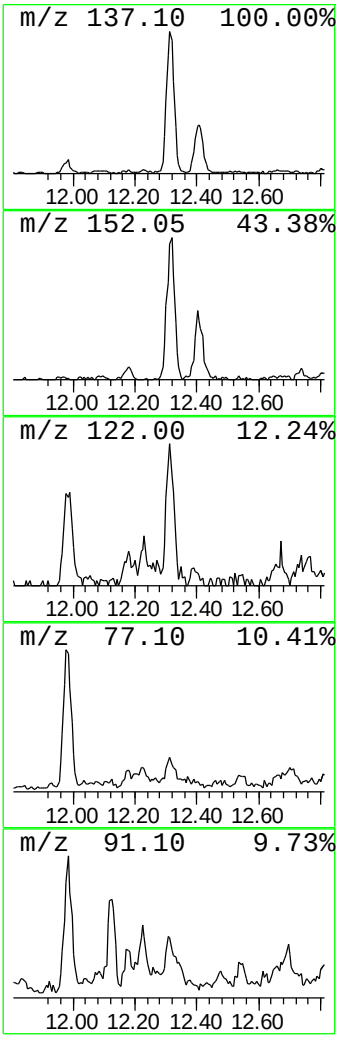
****

Peak Number 6 Benzene, 1,4-dimethoxy-2-me... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	9.39 ng/ul	225900	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethoxy-2-methyl-	152	C9H12O2	024599-58-4	87
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	83
3	Pyrazine, 2-methoxy-3-(1-methyle...	152	C8H12N2O	025773-40-4	80
4	Resorcinol, 2-acetyl-	152	C8H8O3	000699-83-2	68
5	Ethanone, 1-(2,4-dihydroxyphenyl)-	152	C8H8O3	000089-84-9	64





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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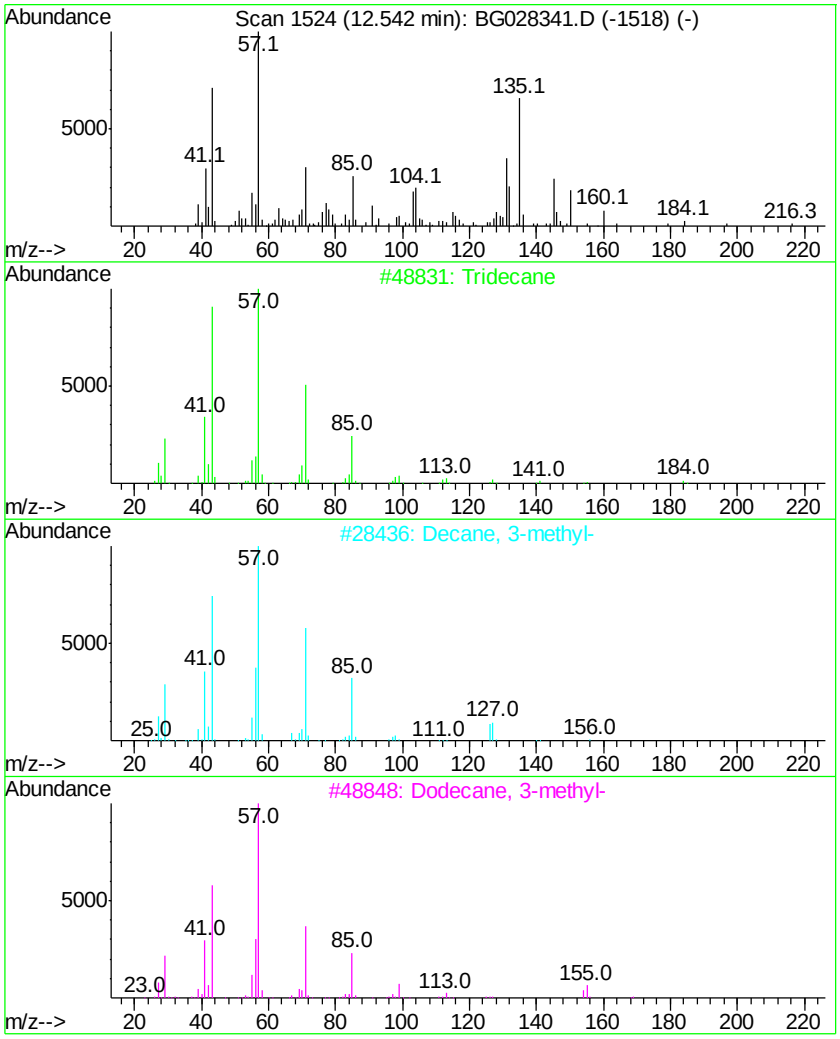
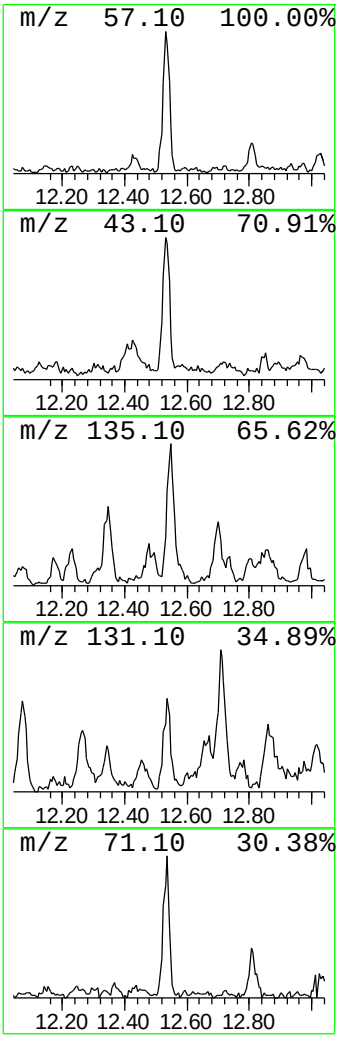
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	8.83 ng/ul	212306	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	46
2	Decane, 3-methyl-	156	C11H24	013151-34-3	45
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	38
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	38





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Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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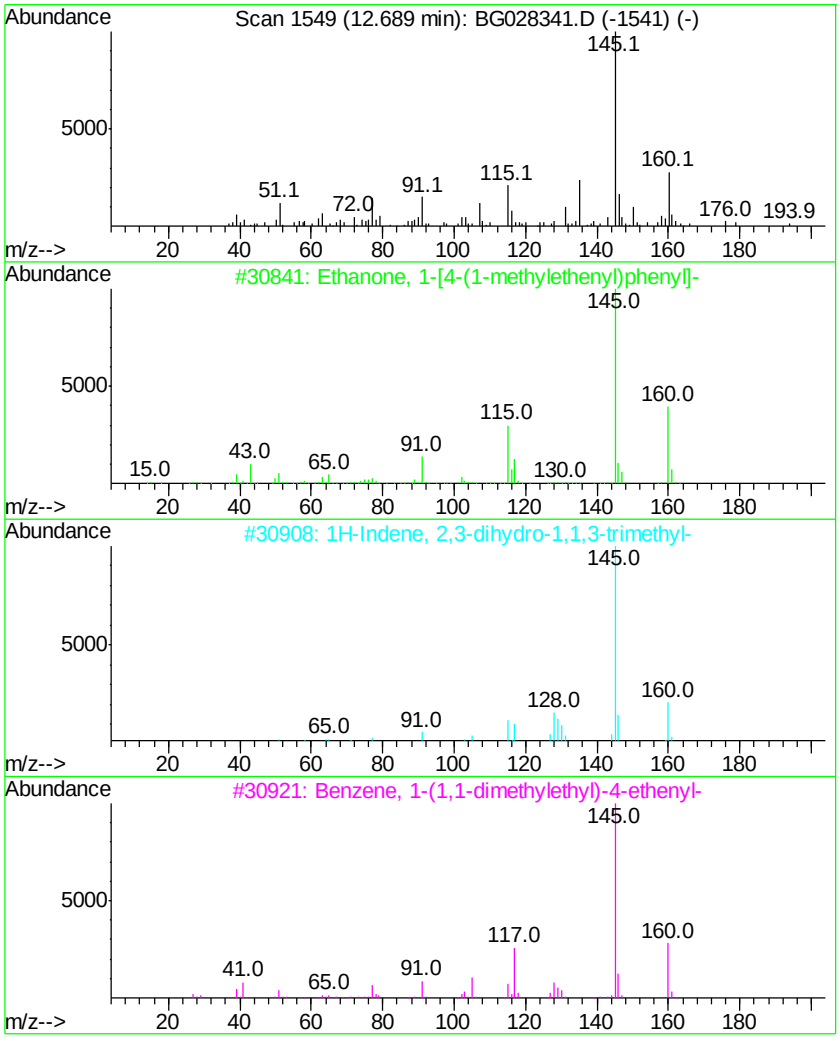
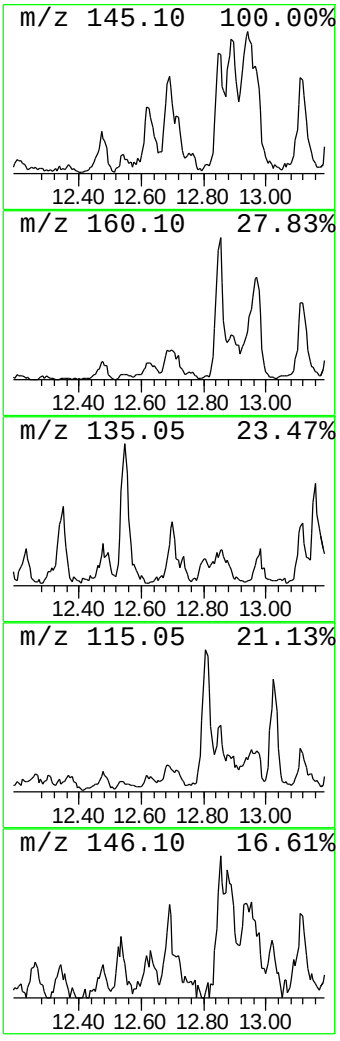
Peak Number 8 Ethanone, 1-[4-(1-methyleth... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	8.36 ng/ul	201201	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	55
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	43
3	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	38
4	5-Isopropyl-2-methylphenethyl ac...	220	C14H20O2	027913-43-5	38
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38





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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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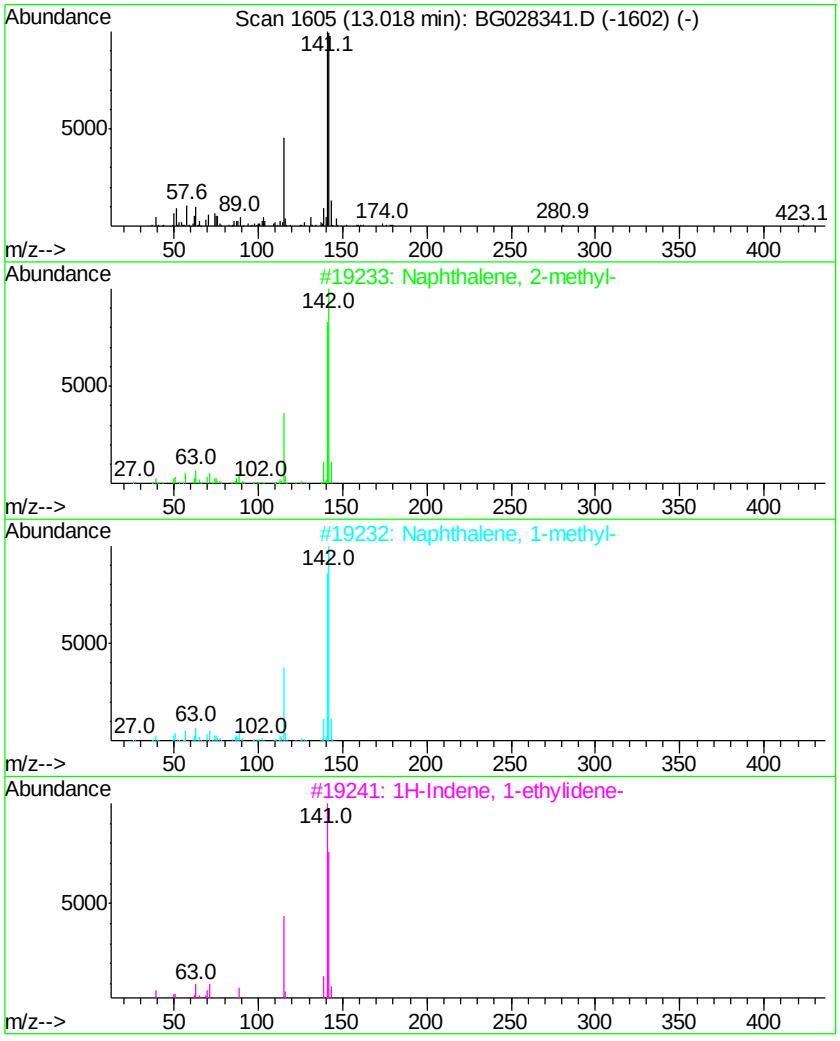
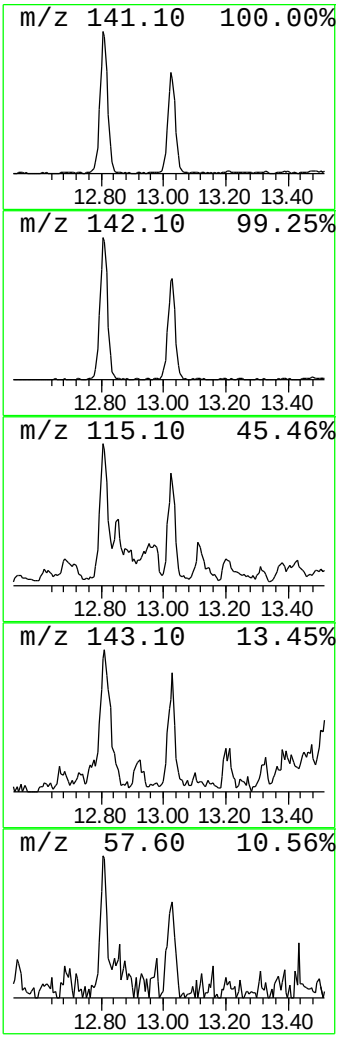
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	11.38 ng/ul	273862	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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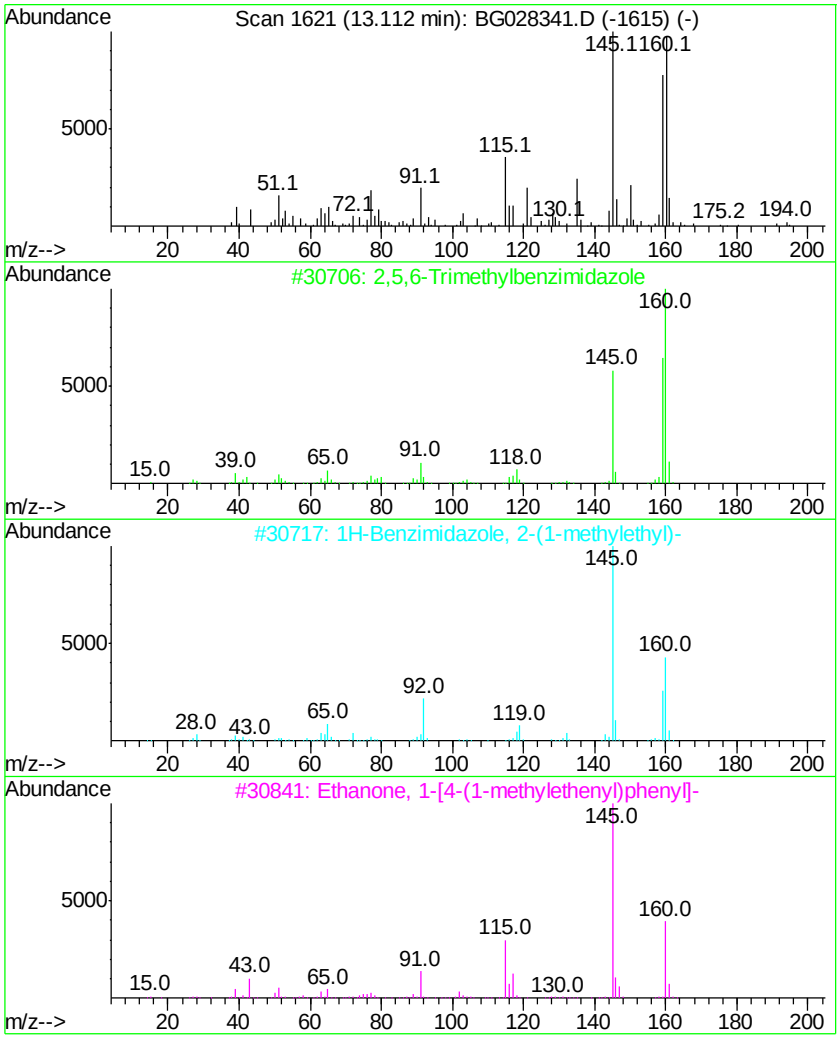
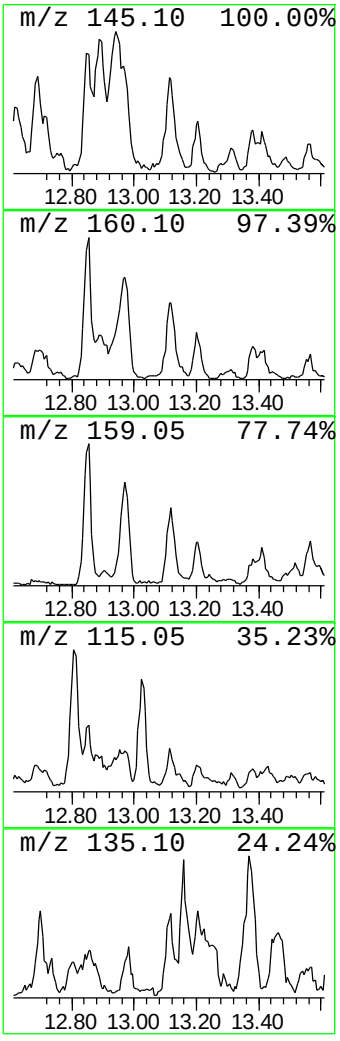
Peak Number 10 2,5,6-Trimethylbenzimidazole Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.10 ng/ul	226588	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	81
2	1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	64
3	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	49
4	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	46
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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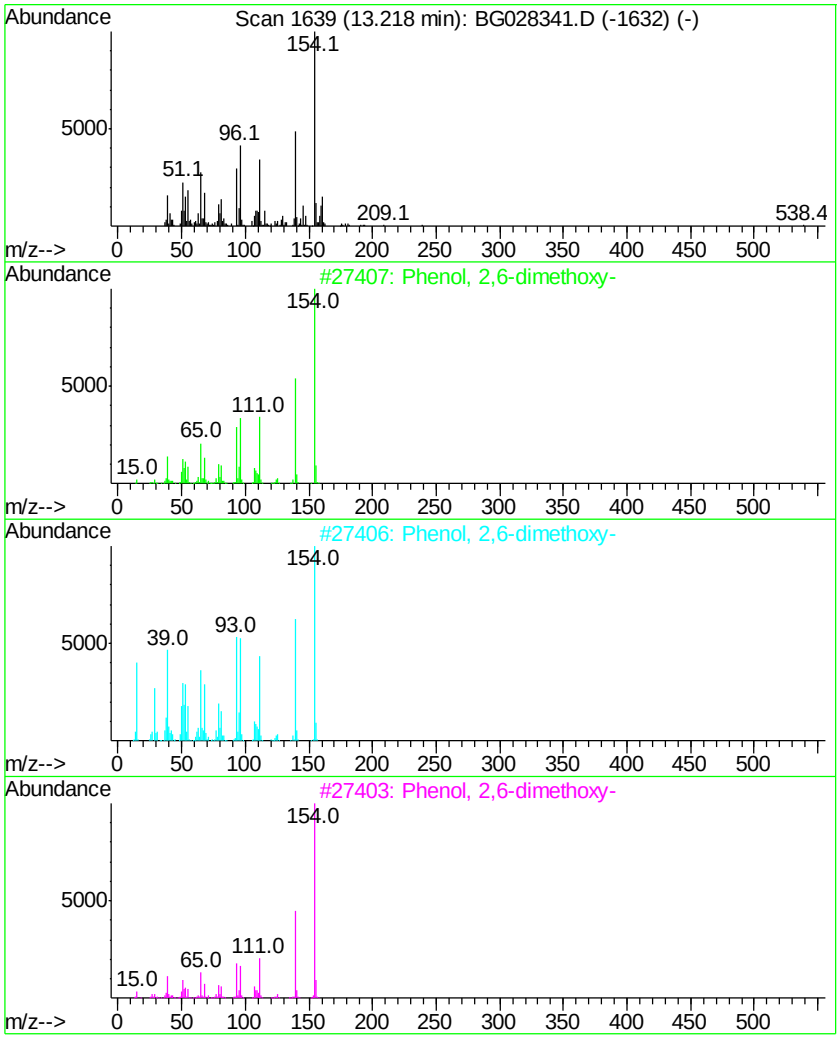
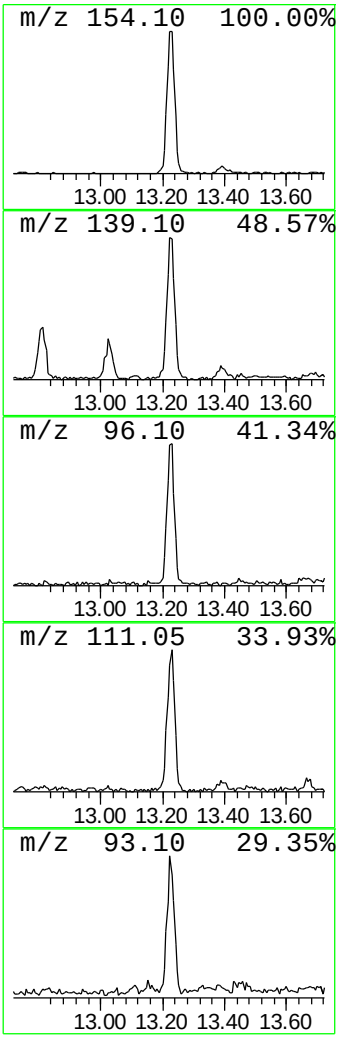
Peak Number 11 Phenol, 2,6-dimethoxy- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	9.89 ng/ul	547109	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	90
3	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	52
4	3-Amino-2,6-dimethoxypyridine	154	C7H10N2O2	028020-37-3	49
5	3-Amino-2,6-dimethoxypyridine	154	C7H10N2O2	028020-37-3	49





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Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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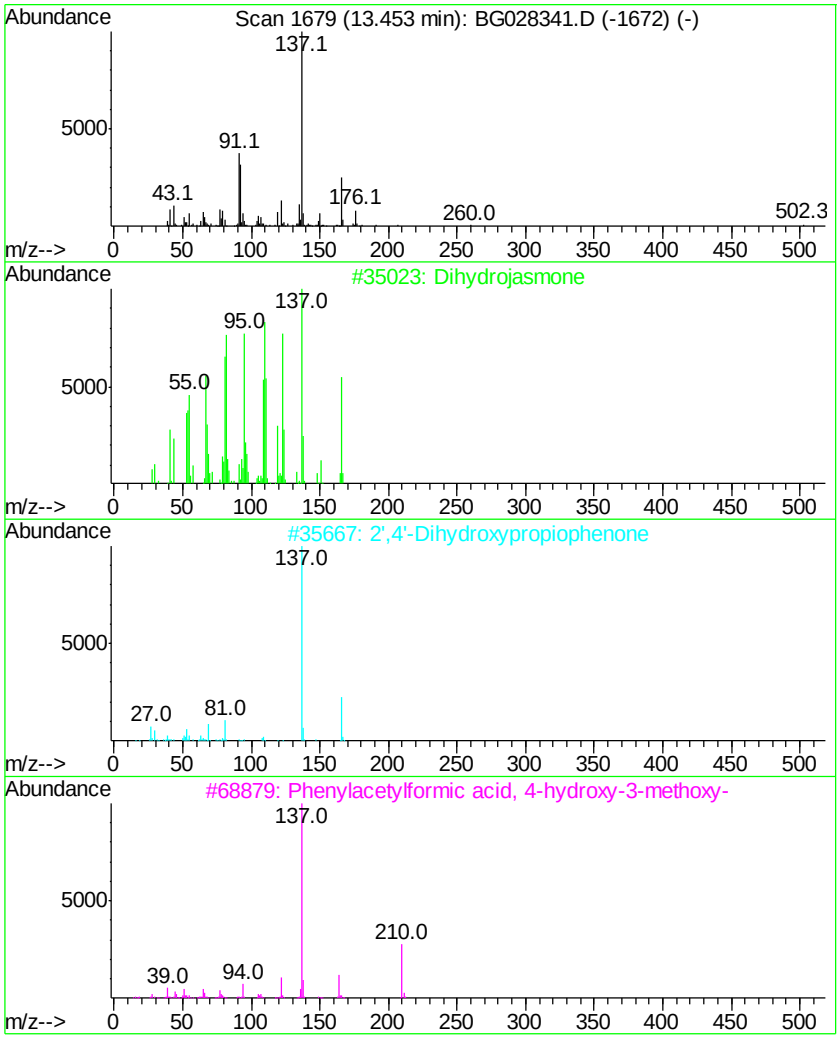
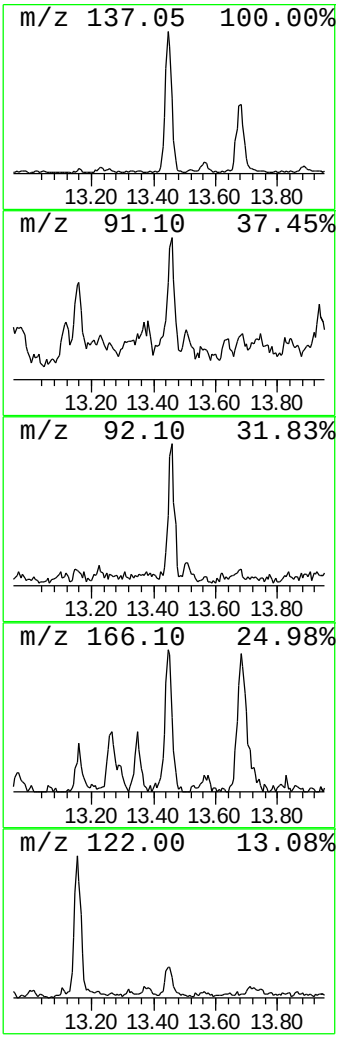
Peak Number 12 Dihydrojasmone Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	3.97 ng/ul	219675	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydrojasmone	166	C11H18O	001128-08-1	52
2	2',4'-Dihydroxypropiophenone	166	C9H10O3	005792-36-9	50
3	Phenylacetylformic acid, 4-hydro...	210	C10H10O5	001081-71-6	47
4	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	43
5	1-Benzenol,2-methoxy-4-[[[2-(4-h...	273	C16H19NO3	033120-06-8	42





Library Search Compound Report

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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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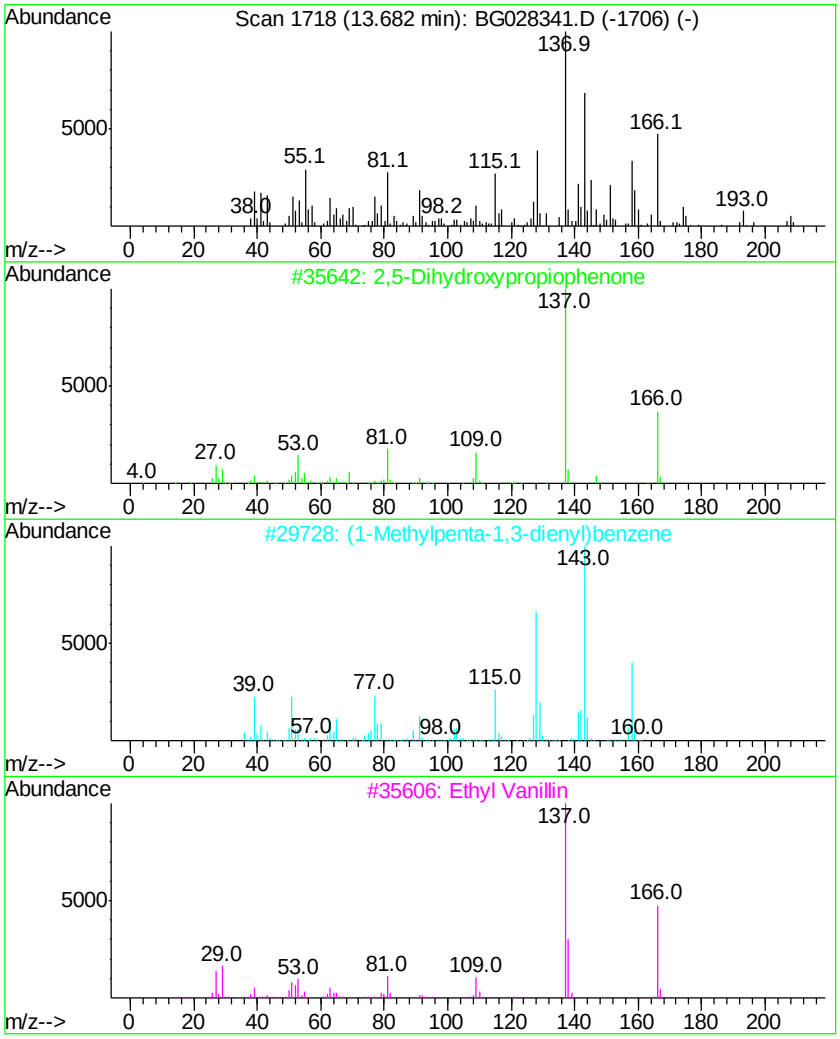
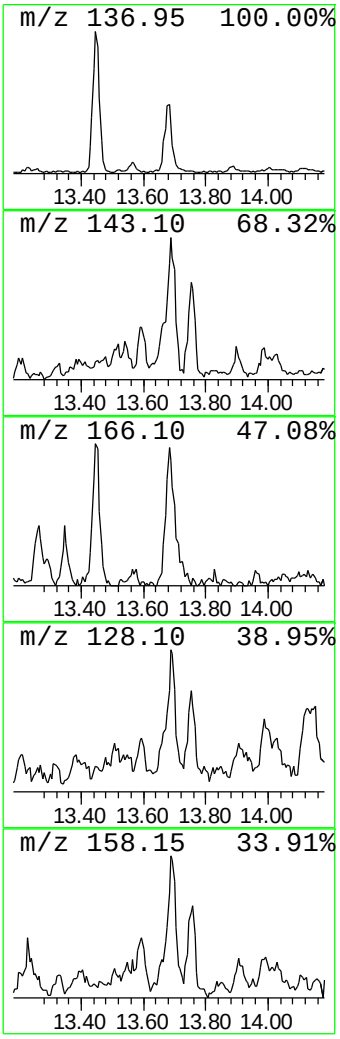
Peak Number 13 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	8.46 ng/ul	467949	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dihydroxypropiophenone	166	C9H10O3	000938-46-5	30
2	(1-Methylpenta-1,3-dienyl)benzene	158	C12H14	116669-49-9	30
3	Ethyl Vanillin	166	C9H10O3	000121-32-4	30
4	2,5-Dihydroxypropiophenone	166	C9H10O3	000938-46-5	27
5	1,2,3-Trimethylindene	158	C12H14	004773-83-5	25





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Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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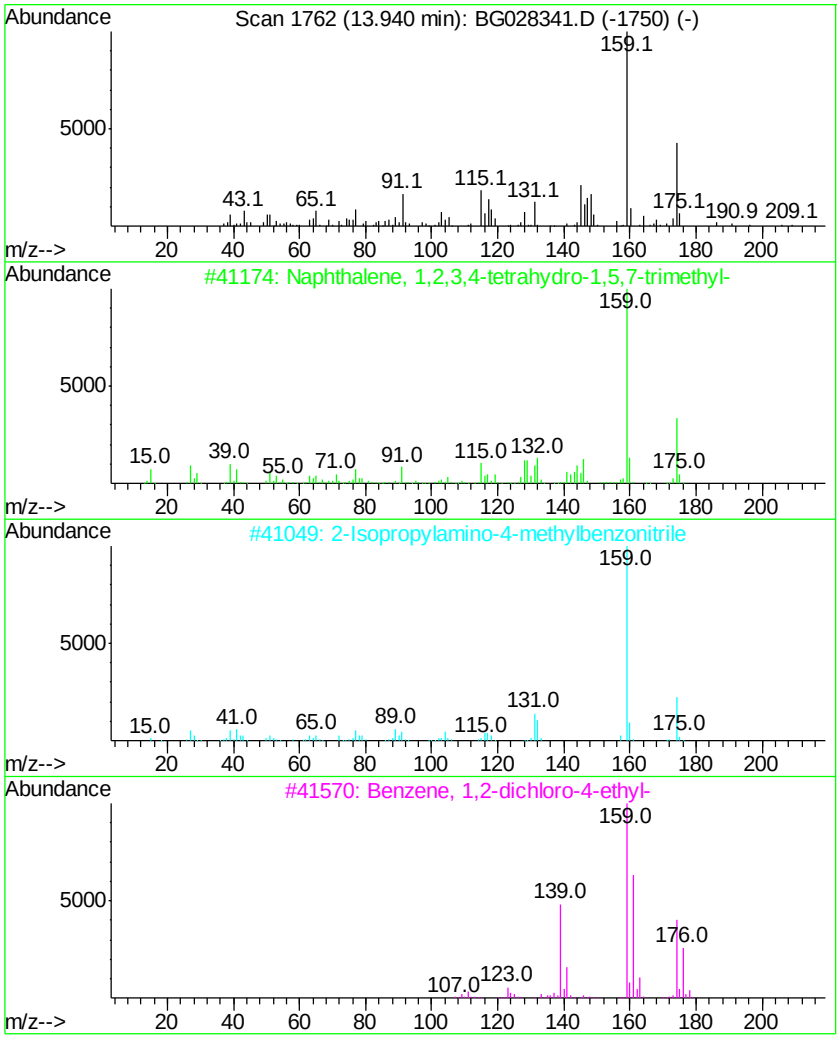
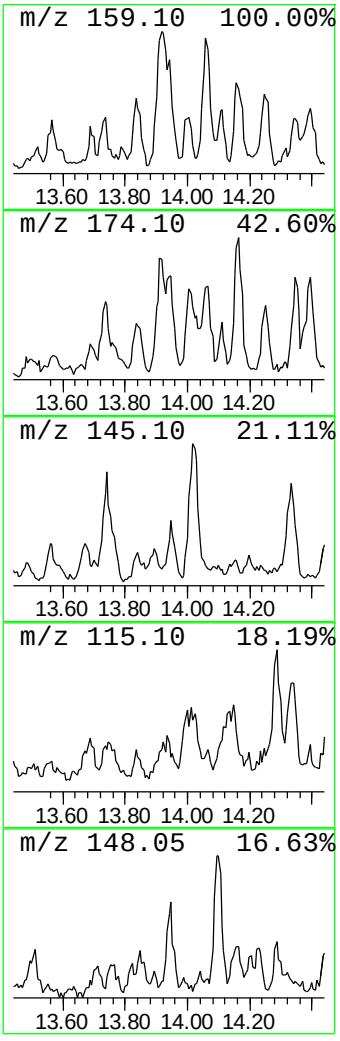
Peak Number 14 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	4.87 ng/ul	269607	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	53
2	2-Isopropylamino-4-methylbenzoni...	174	C11H14N2	028195-00-8	50
3	Benzene, 1,2-dichloro-4-ethyl-	174	C8H8Cl2	006623-59-2	50
4	Benzene, 1,2,3,4-tetramethyl-4-(...	174	C13H18	061142-76-5	50
5	Phenol, 2-(2-pentyn-4-yl)-4-methyl-	174	C12H14O	1000258-83-7	50





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Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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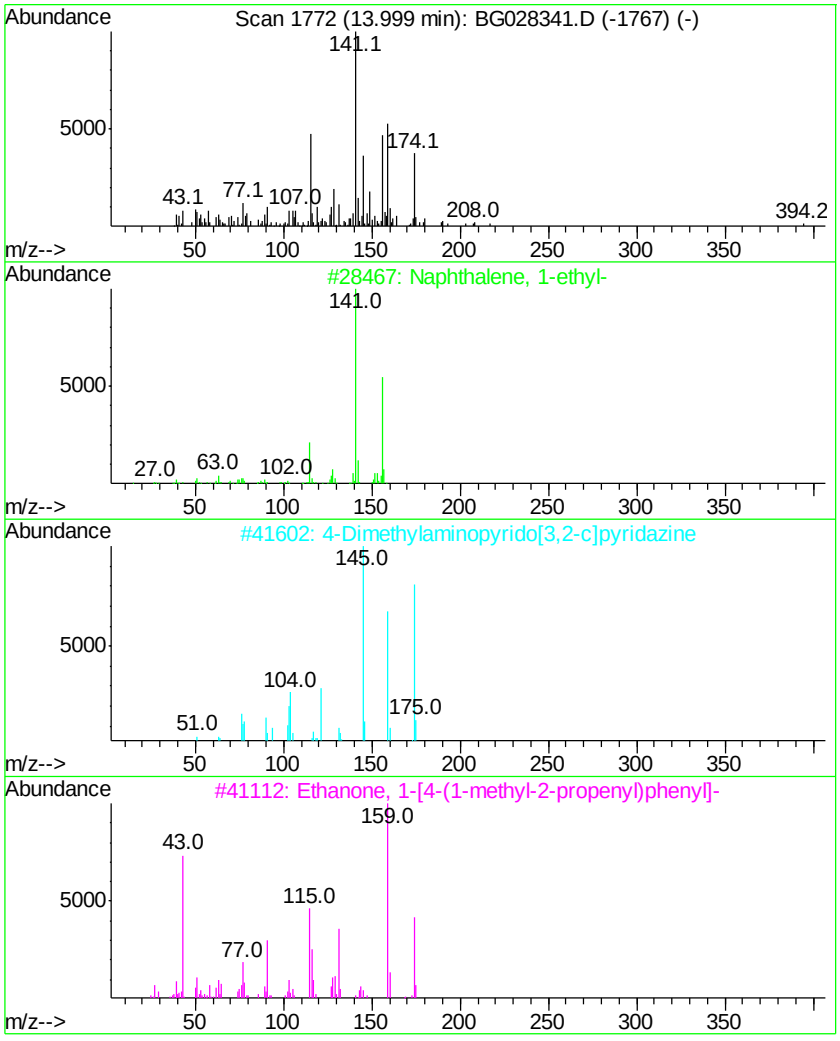
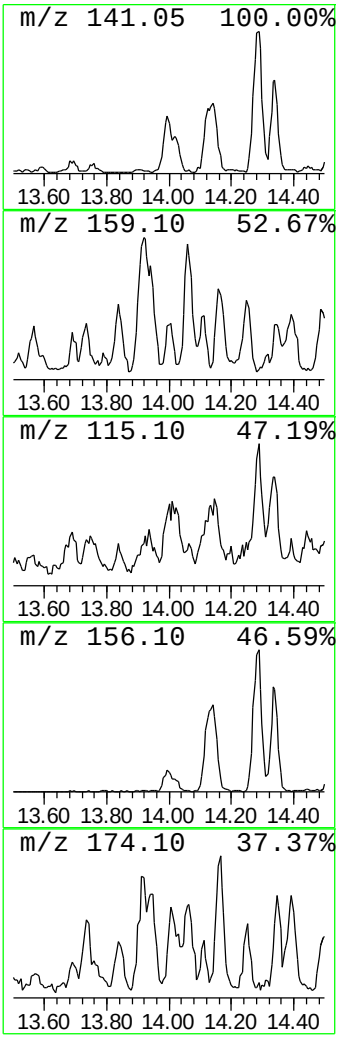
Peak Number 15 unknown-02 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	5.36 ng/ul	296603	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	46
2	4-Dimethylaminopyrido[3,2-c]pyri...	174	C9H10N4	1000326-90-5	46
3	Ethanone, 1-[4-(1-methyl-2-prope...	174	C12H14O	109586-49-4	41
4	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	38
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	30





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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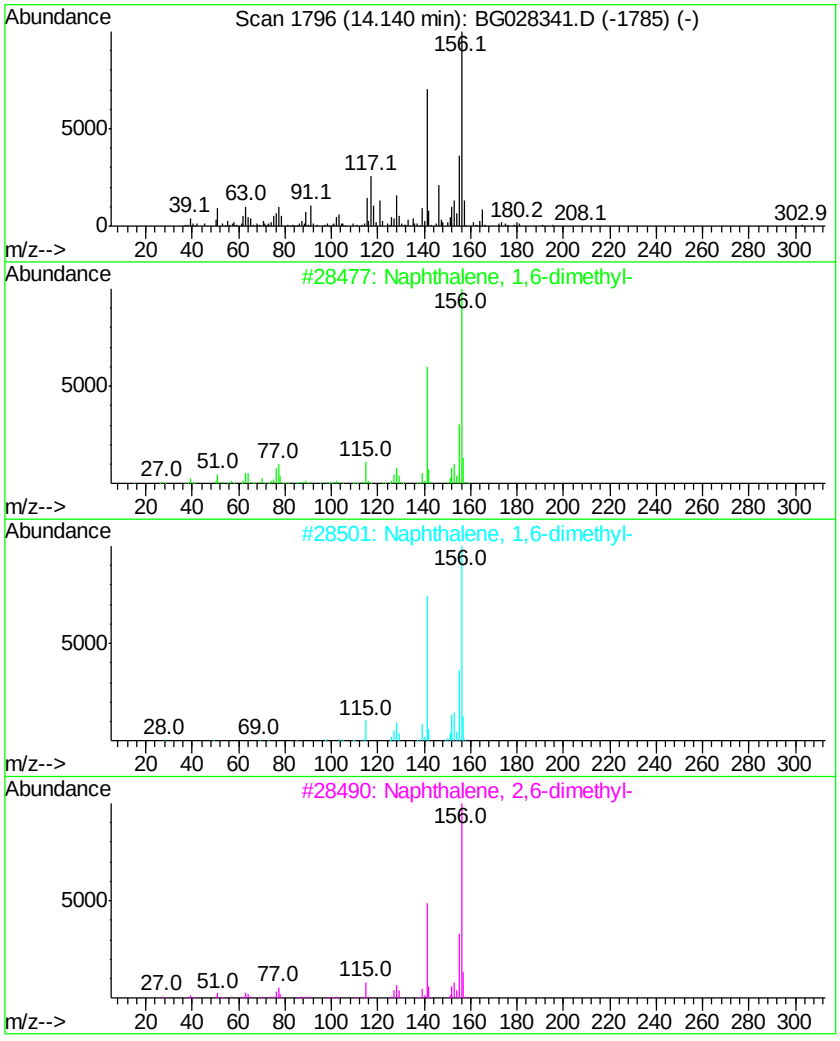
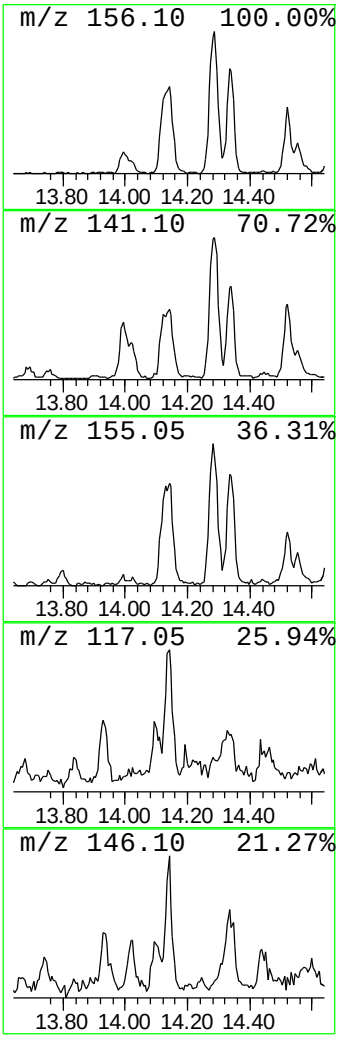
Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	10.80 ng/ul	597481	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Quant Title : SVOA CALIBRATION

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

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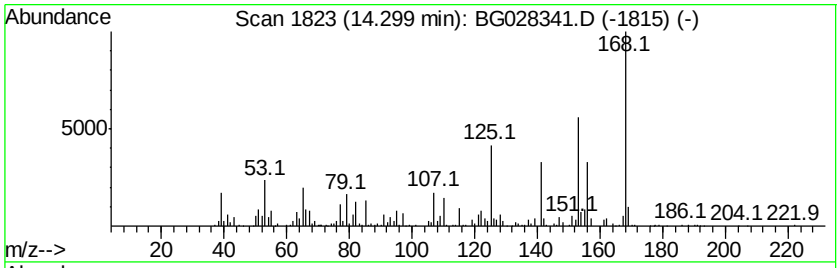
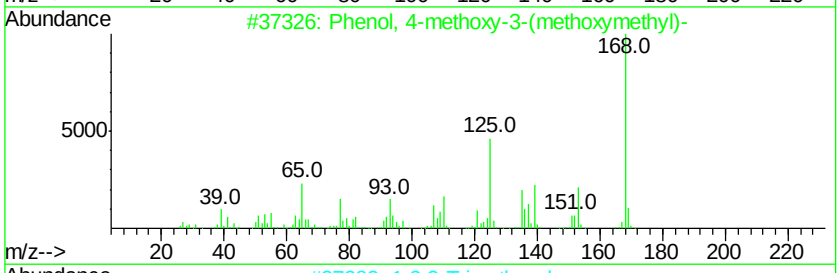
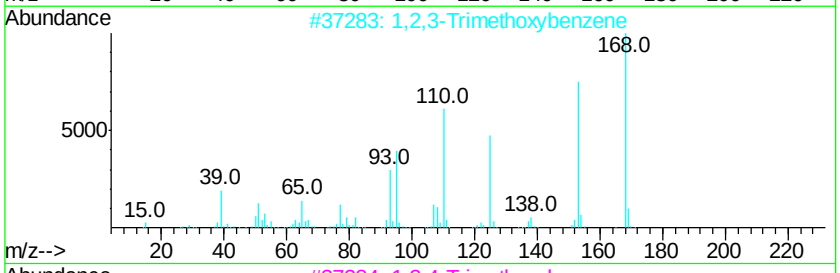
Peak Number 17 Phenol, 4-methoxy-3-(methox... Concentration Rank 12

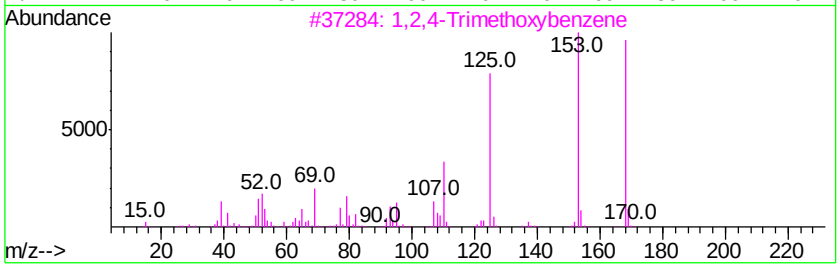
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	18.98 ng/ul	1050180	Acenaphthene-d10	14.97

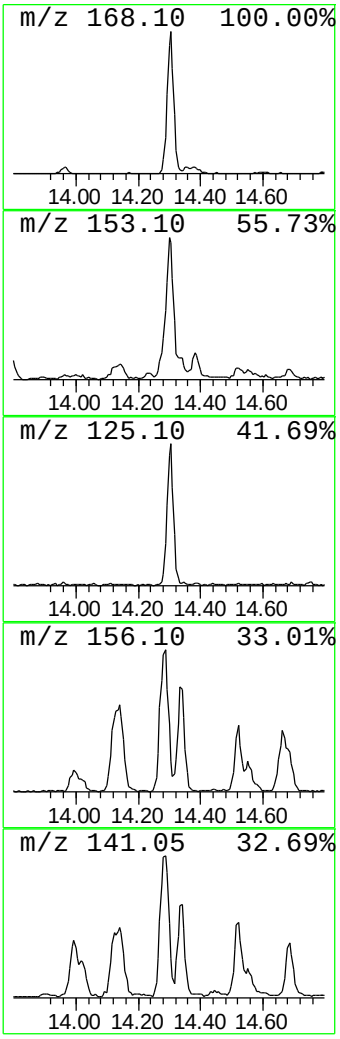
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methoxy-3-(methoxymeth...	168	C9H12O3	059907-65-2	62
2	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	58
3	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47
4	Dehydroacetic Acid	168	C8H8O4	000520-45-6	47
5	4-Methoxy-2-methyl-1-(methylthio...	168	C9H12OS	022583-04-6	46











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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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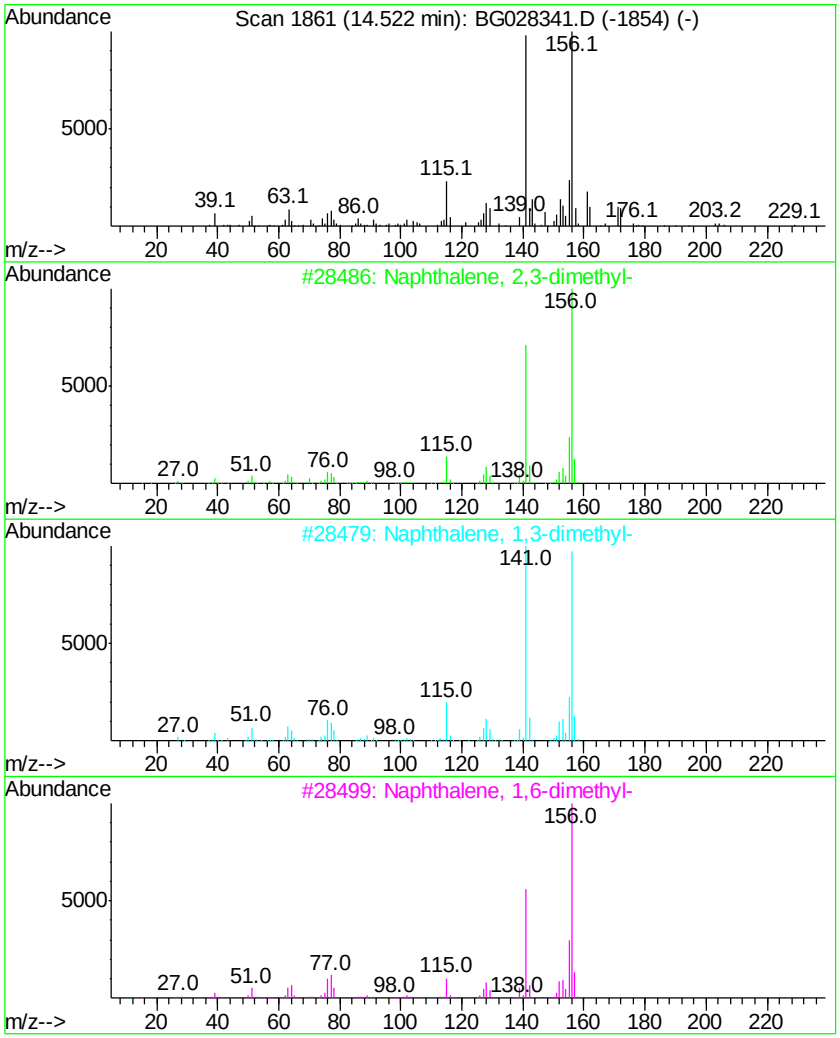
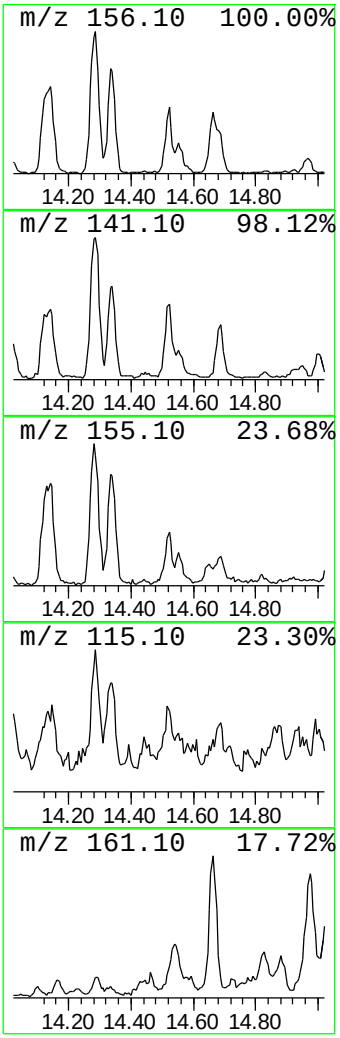
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	5.47 ng/ul	302635	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	89





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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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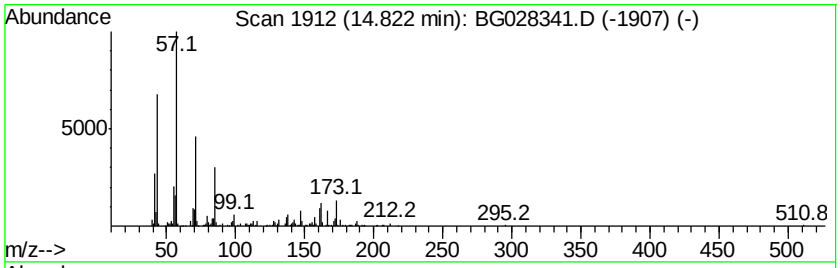
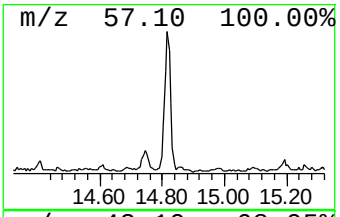
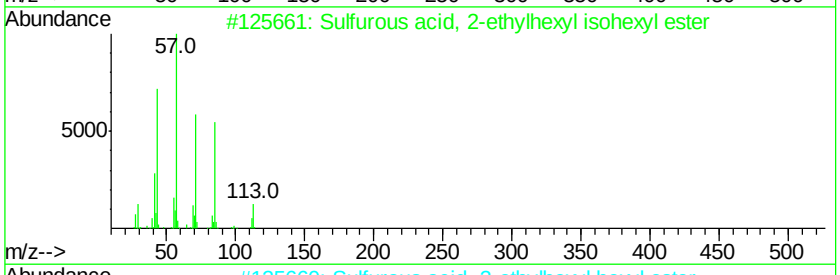
Peak Number 19 Sulfurous acid, 2-ethylhexy... Concentration Rank 57

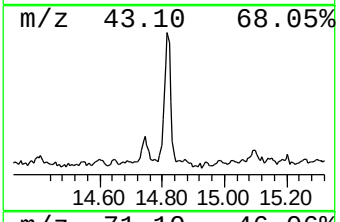
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	5.24 ng/ul	290105	Acenaphthene-d10	14.97

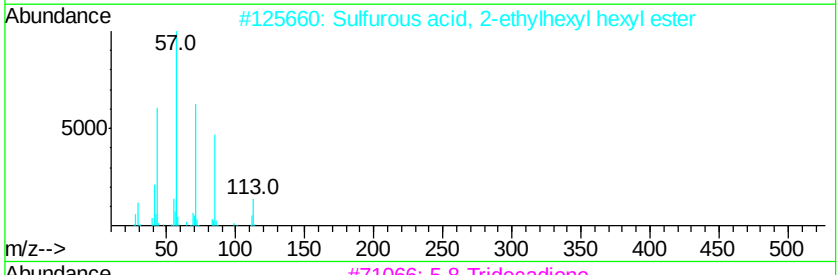
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
3	5,8-Tridecadione	212	C13H24O2	067238-16-8	53
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	49
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	47

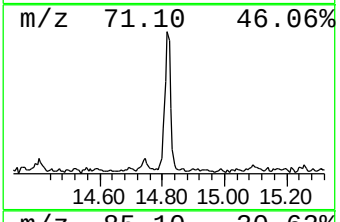


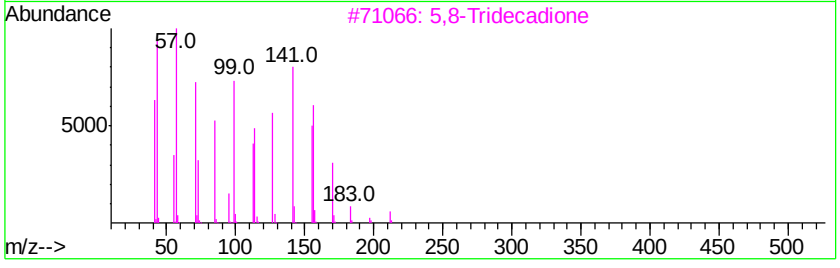


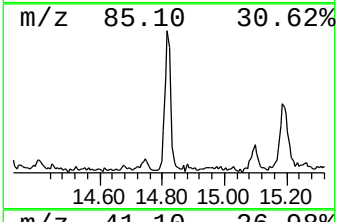


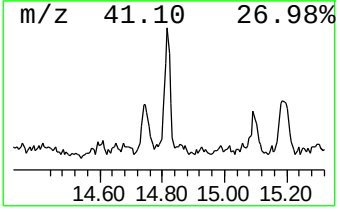












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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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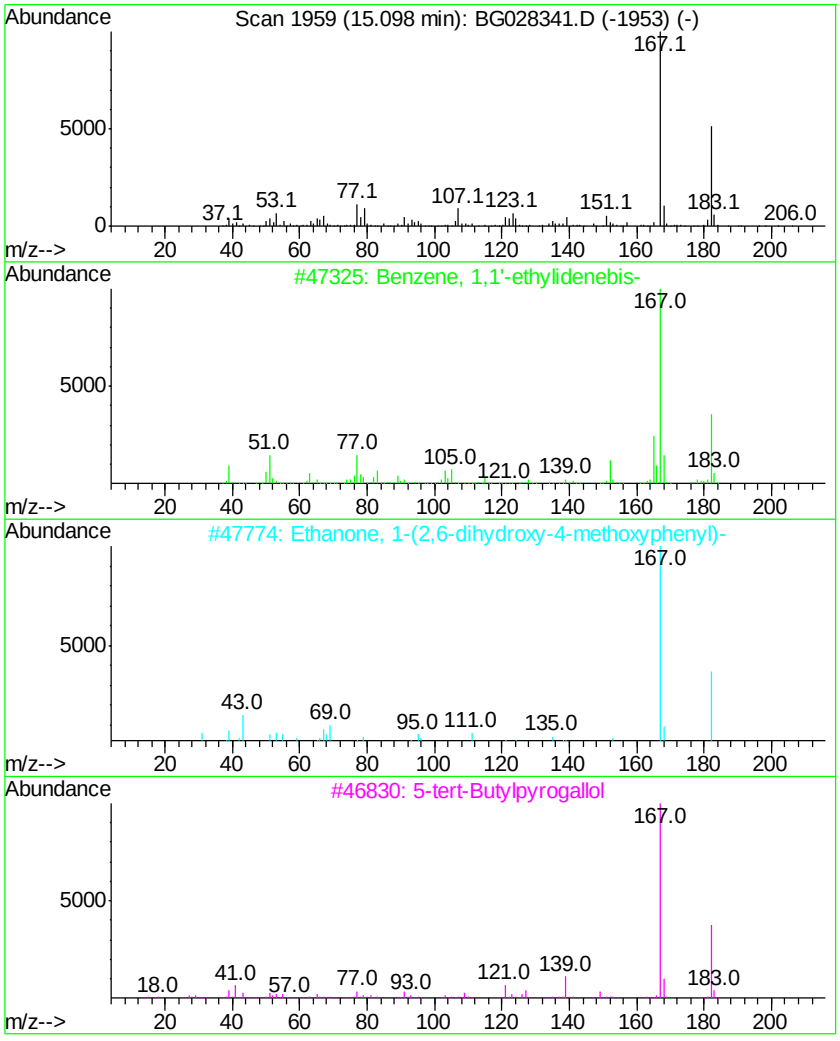
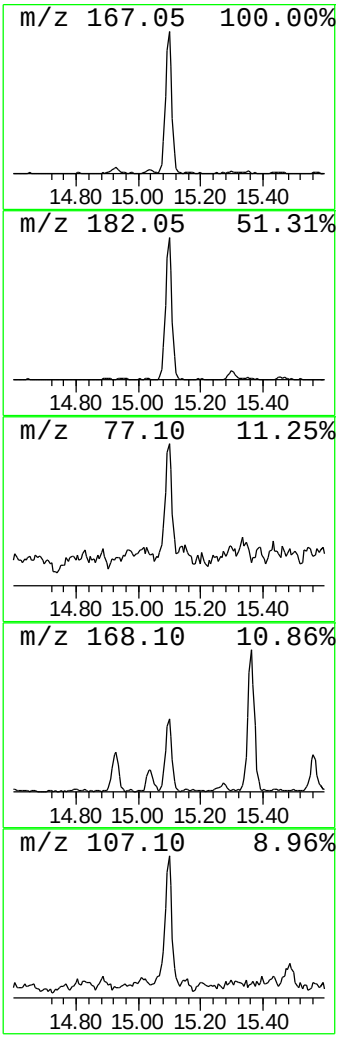
Peak Number 20 Benzene, 1,1'-ethylidenebis- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	18.45 ng/ul	1020630	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	64
2	Ethanone, 1-(2,6-dihydroxy-4-met...	182	C9H10O4	007507-89-3	64
3	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	64
4	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	47
5	4-Ethylbiphenyl	182	C14H14	005707-44-8	47





Library Search Compound Report

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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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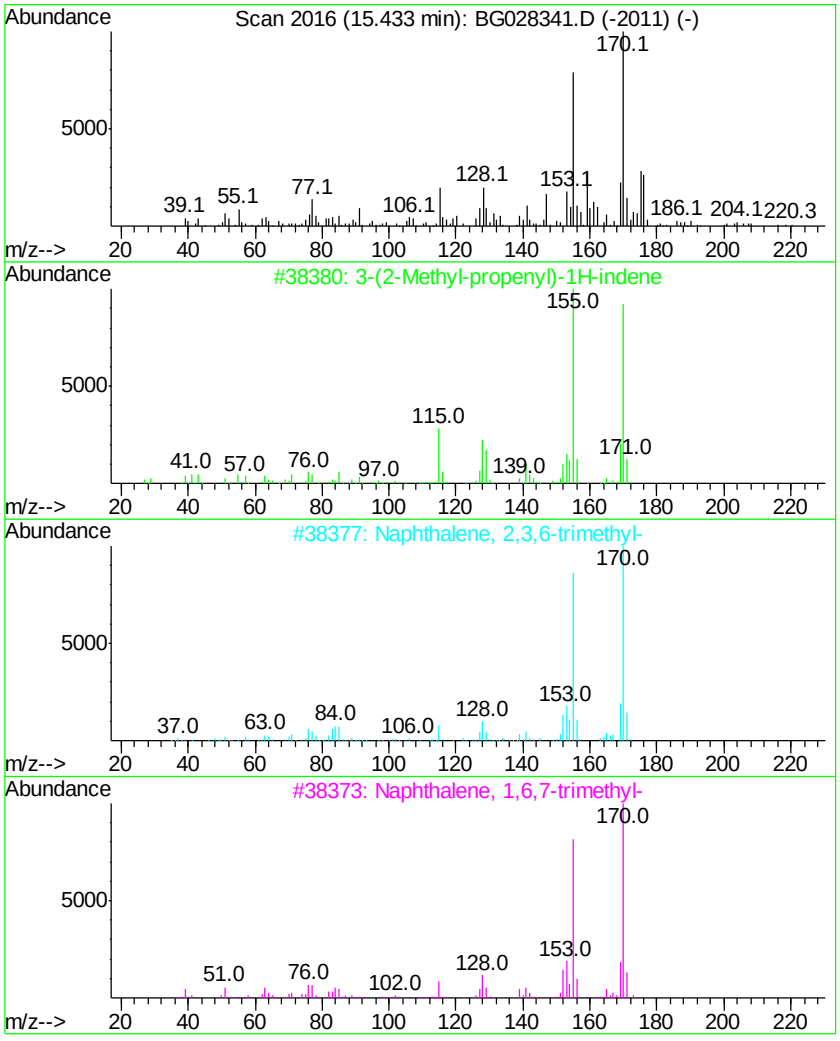
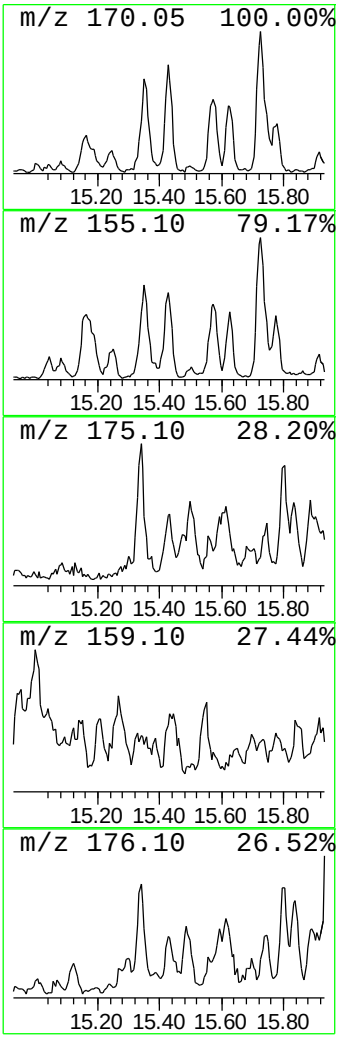
Peak Number 21 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	4.38 ng/ul	242436	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	86
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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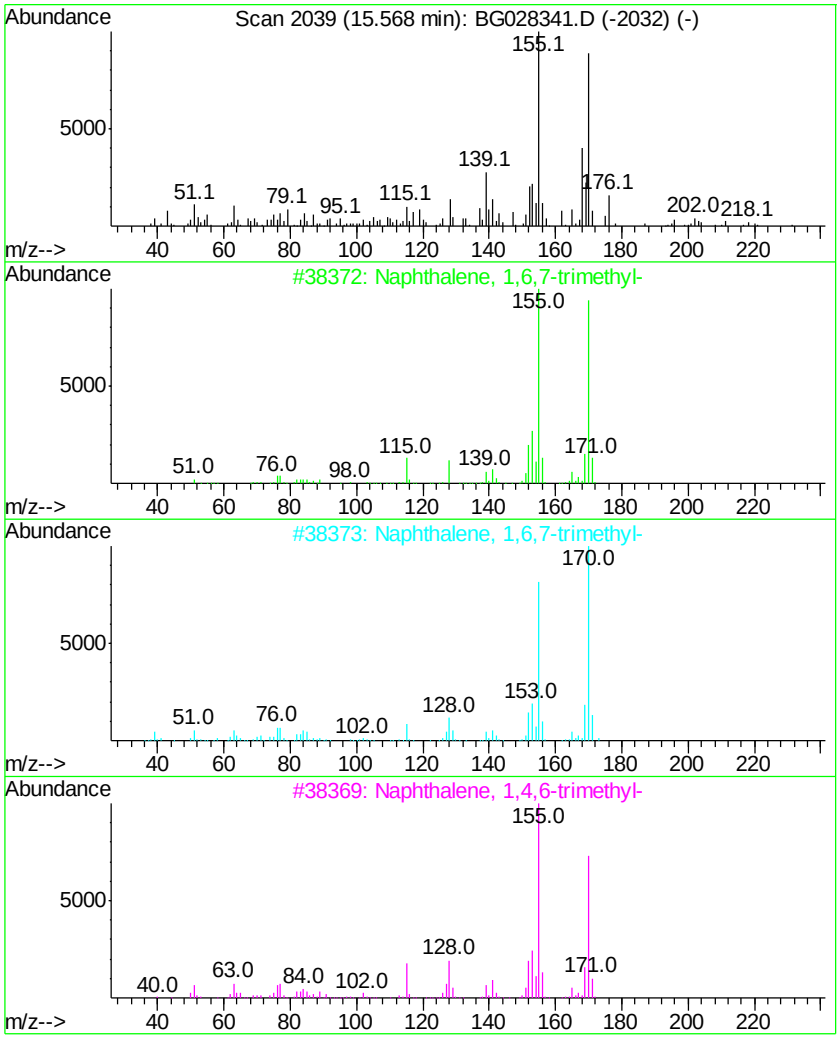
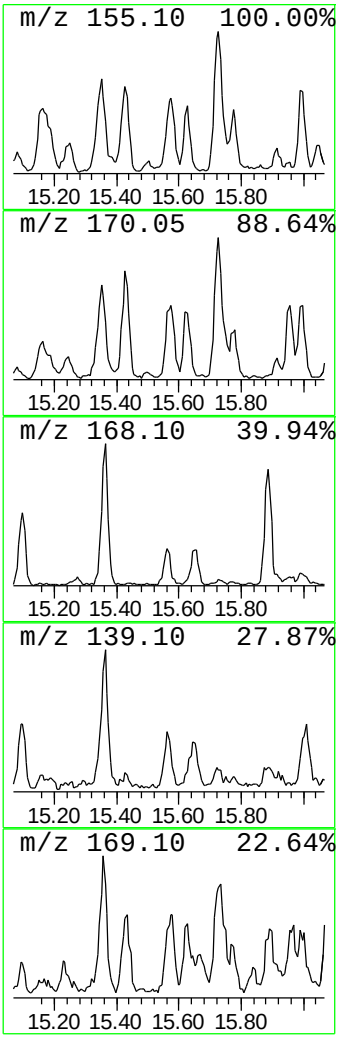
Peak Number 22 Naphthalene, 1,6,7-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.62 ng/ul	366164	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76





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Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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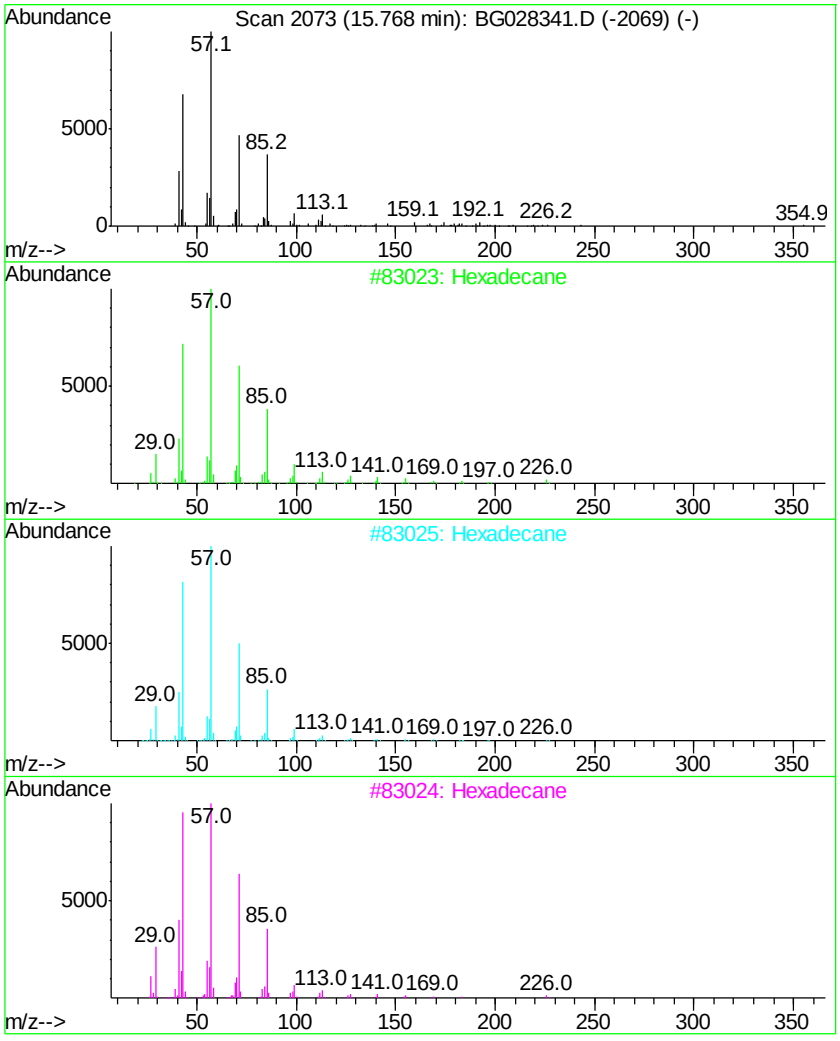
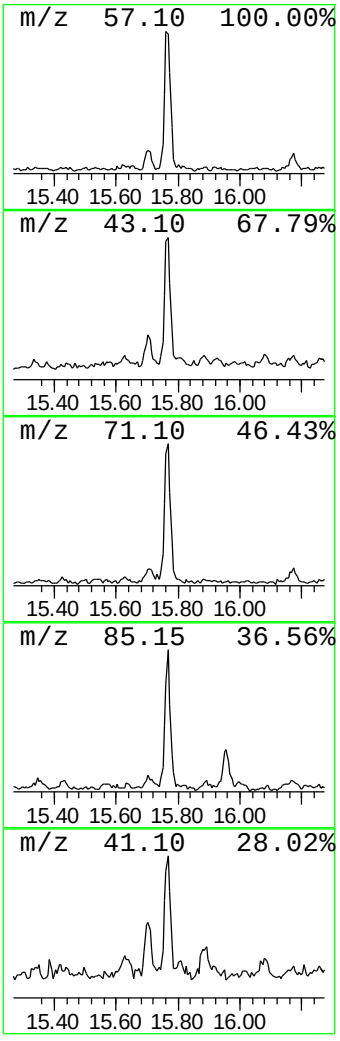
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	3.64 ng/ul	201555	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	78
2	Hexadecane	226	C16H34	000544-76-3	78
3	Hexadecane	226	C16H34	000544-76-3	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64





Library Search Compound Report

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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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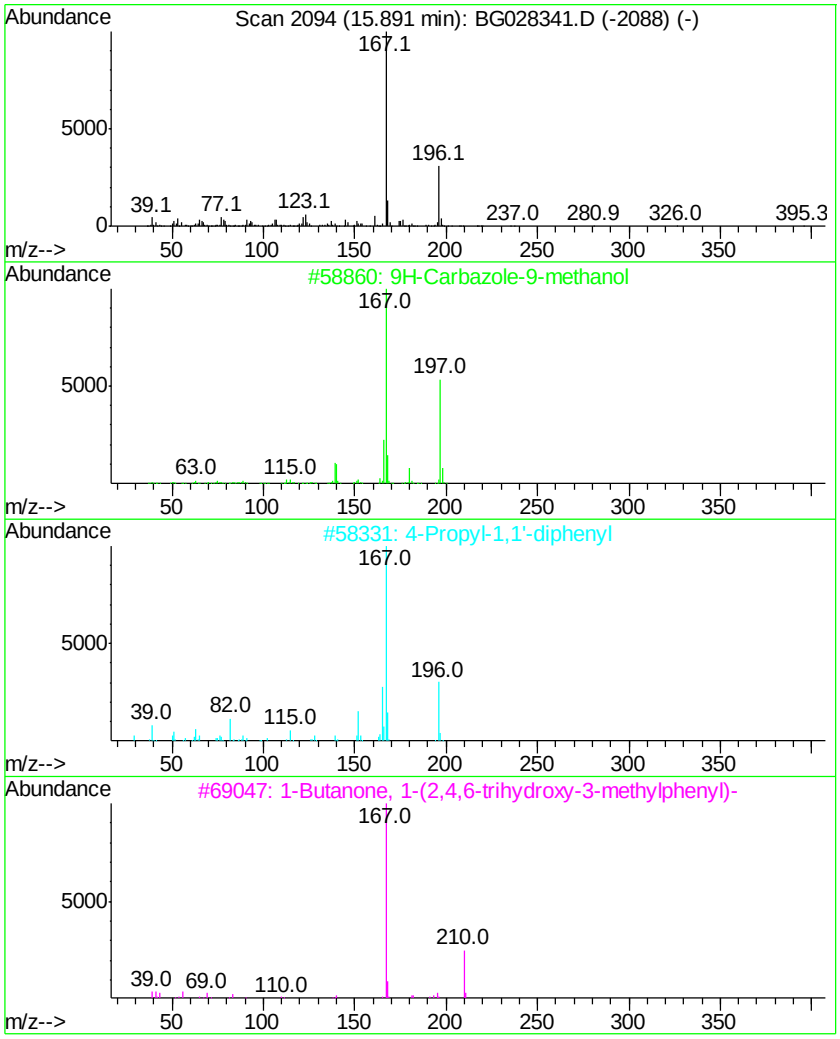
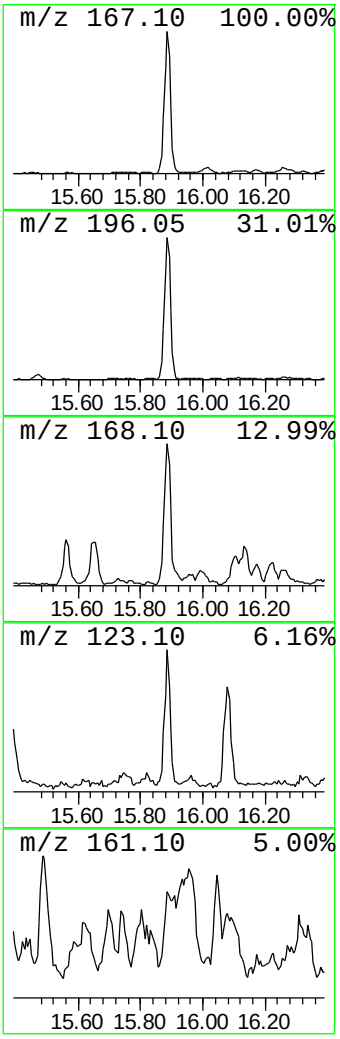
Peak Number 26 9H-Carbazole-9-methanol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	15.60 ng/ul	863202	Acenaphthene-d10	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	53
2	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	50
3	1-Butanone, 1-(2,4,6-trihydroxy-...	210	C11H14O4	001509-06-4	40
4	Benzaldehyde, 4-[[4-(acetyloxy)-...	360	C19H20O7	055525-41-2	36
5	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	36





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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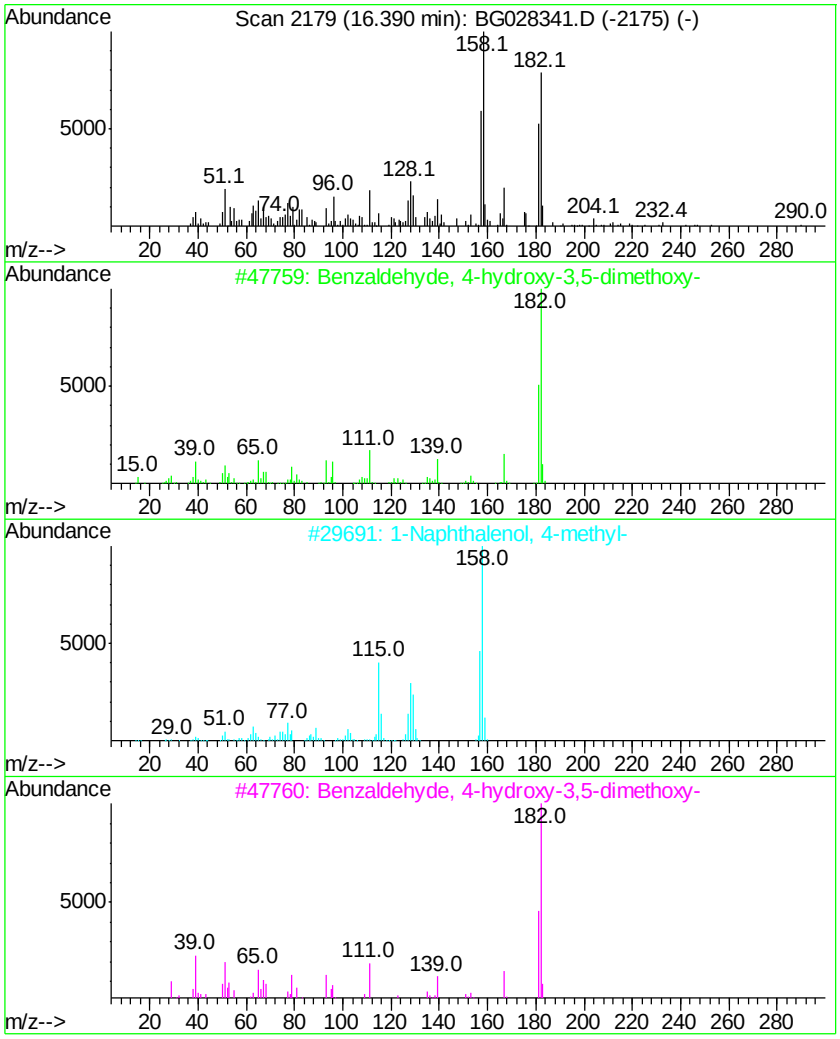
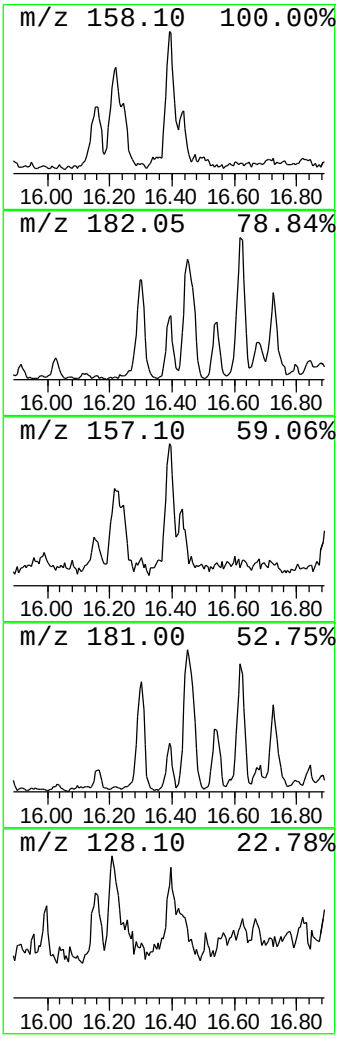
Peak Number 27 unknown-03 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	5.99 ng/ul	298182	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	46
2	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	42
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	42
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	27
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	27





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Sample : I4529-22
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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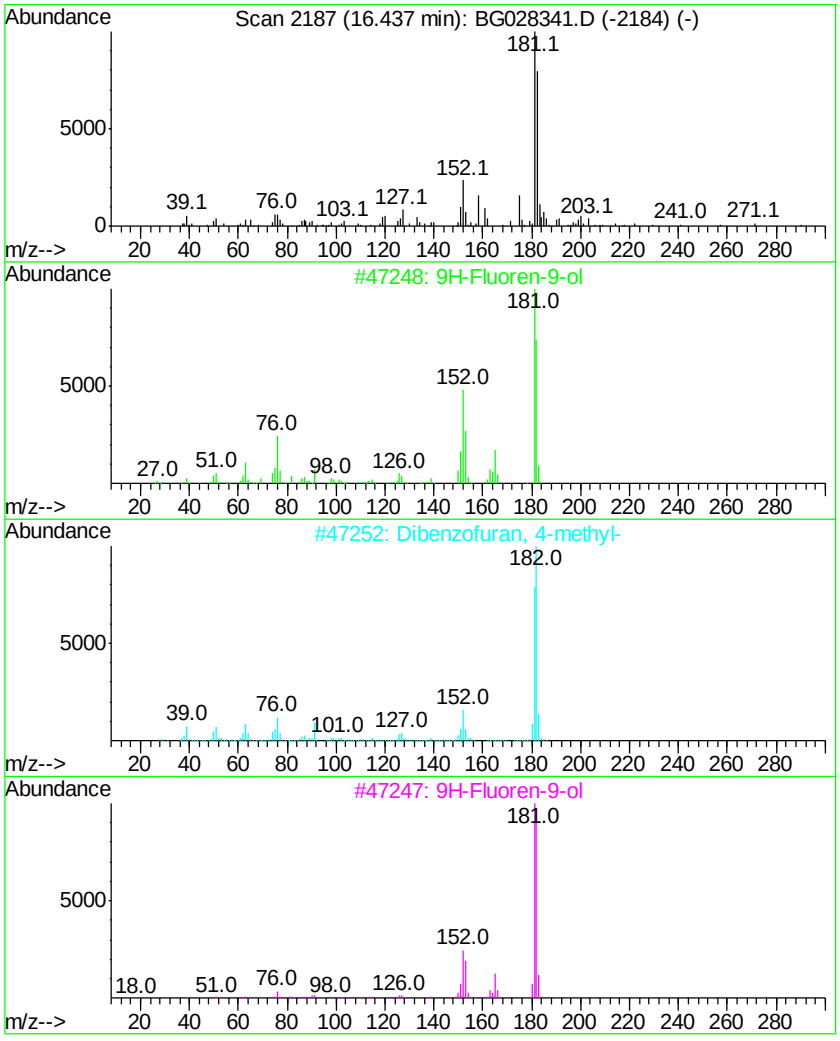
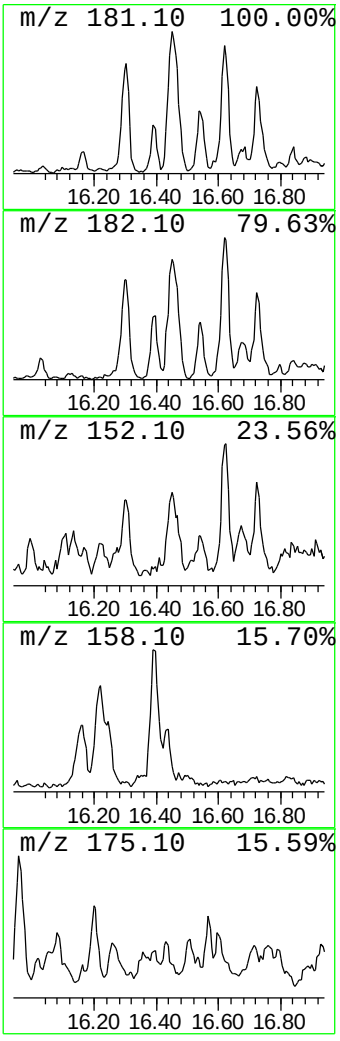
Peak Number 28 9H-Fluoren-9-ol Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	7.19 ng/ul	357807	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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Quant Title : SVOA CALIBRATION

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

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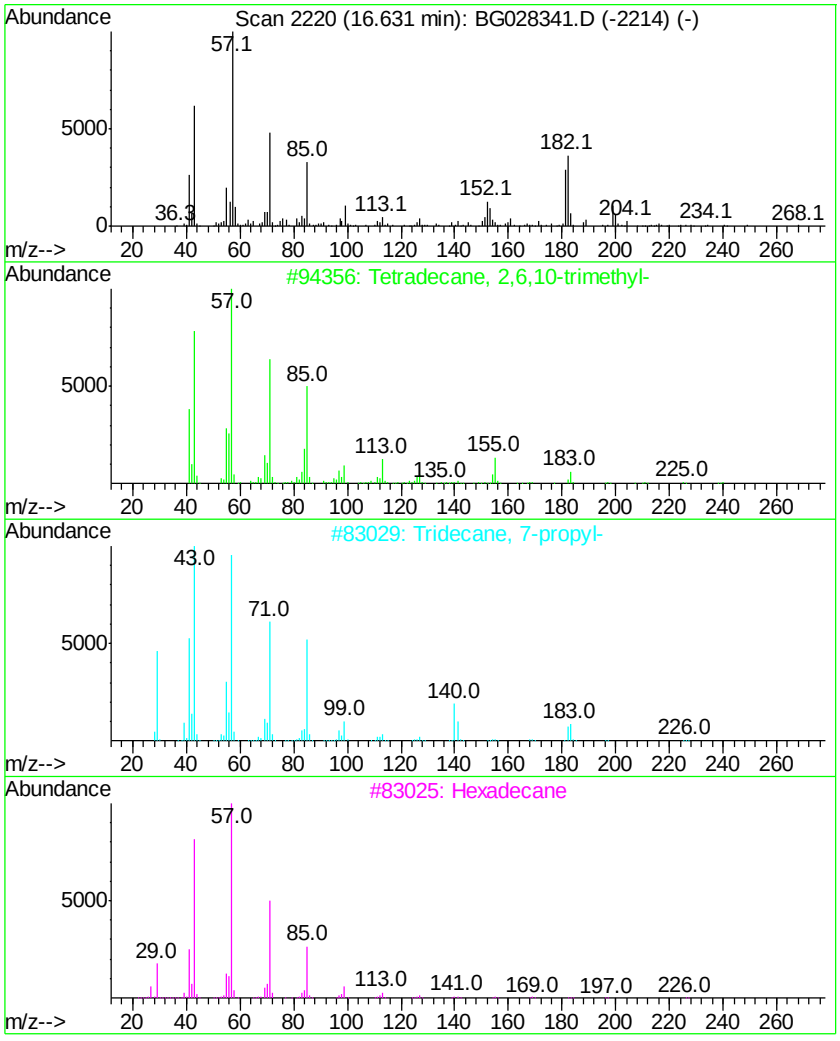
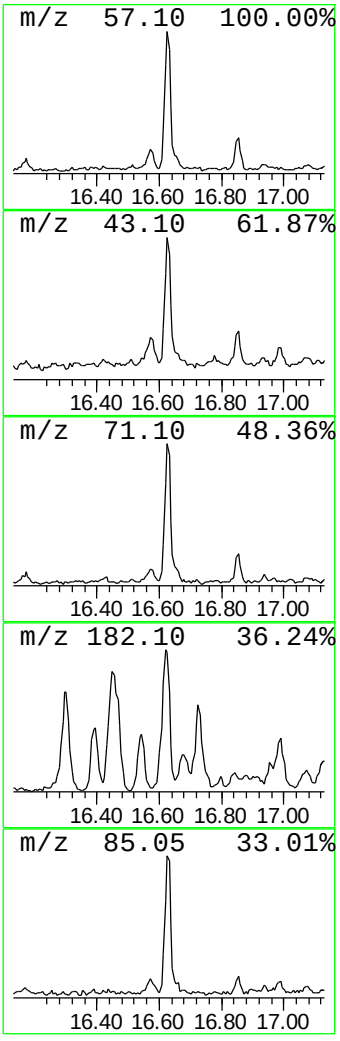
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	11.74 ng/ul	584119	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	55
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	38
3	Hexadecane	226	C16H34	000544-76-3	38
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	35
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	30





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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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

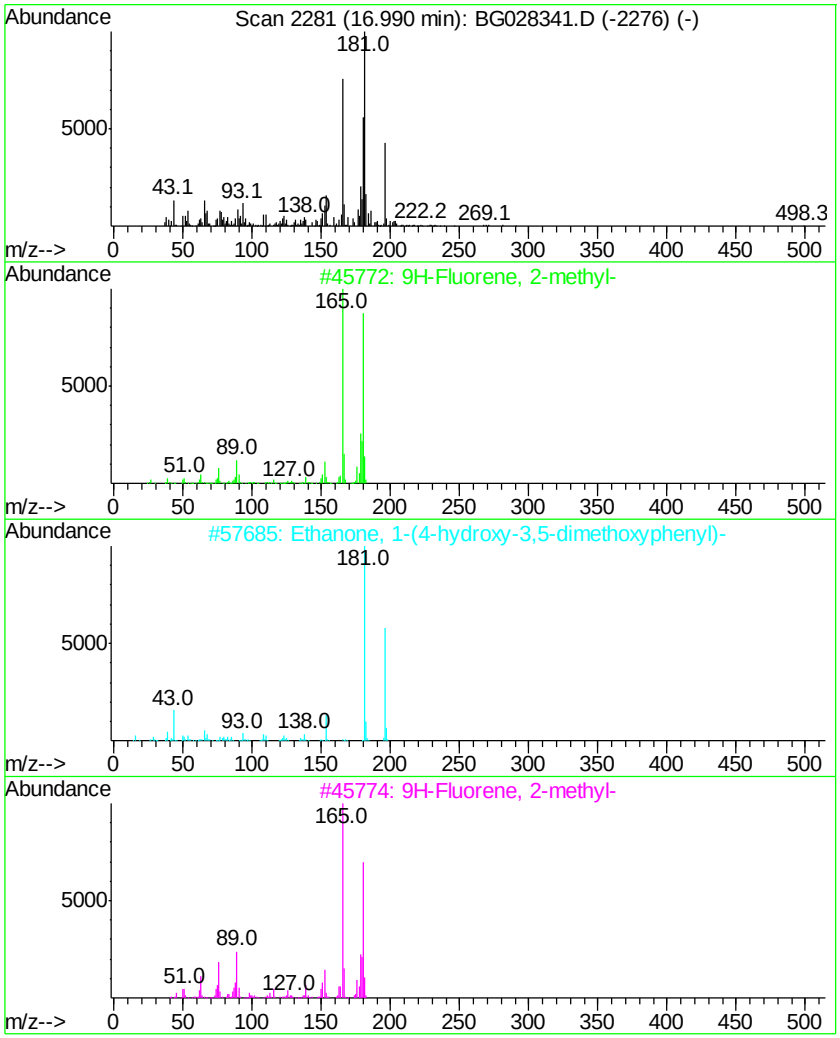
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

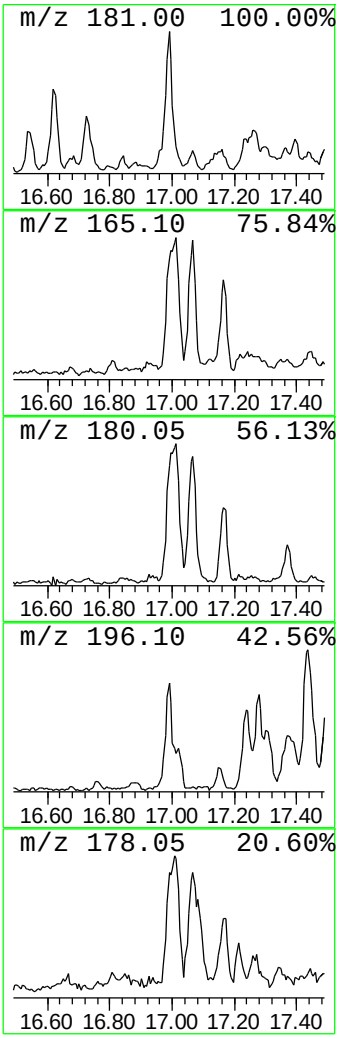
****

Peak Number 30 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	17.52 ng/ul	872129	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	84
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	84
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	84
5	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	72





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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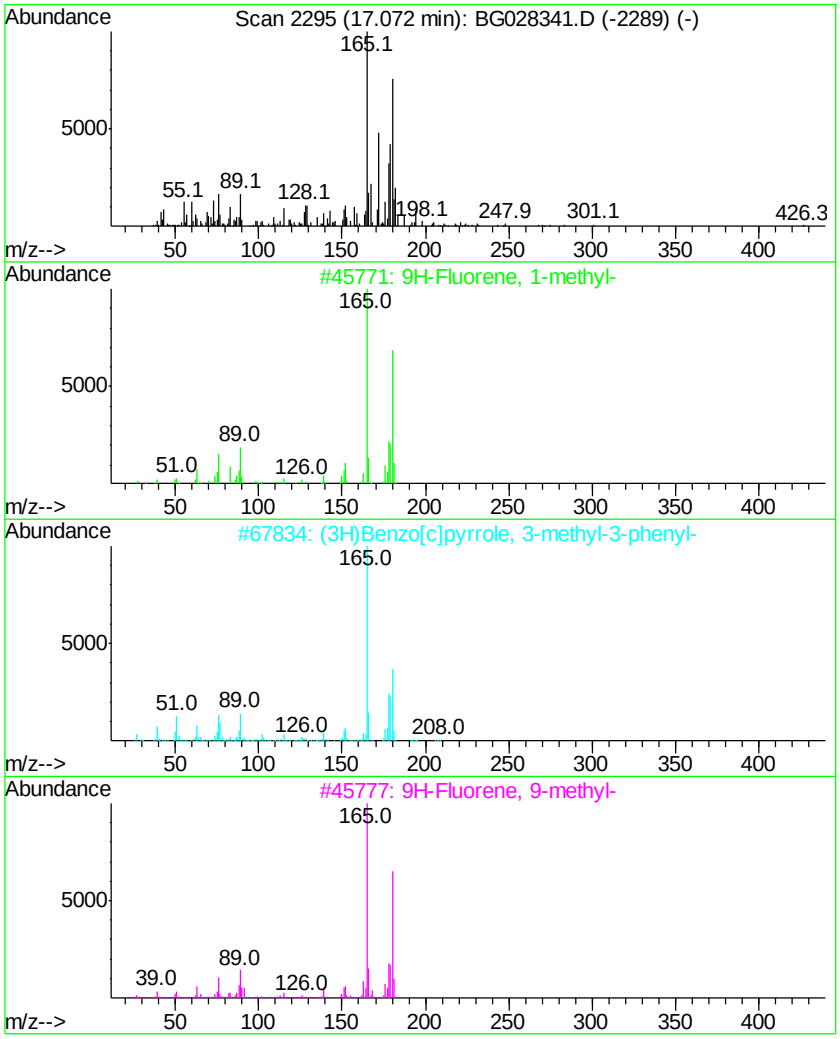
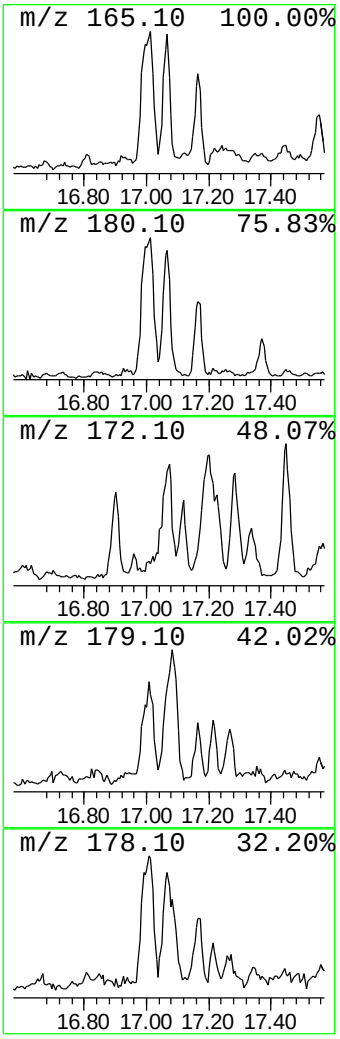
Peak Number 31 9H-Fluorene, 1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	8.08 ng/ul	401890	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	70
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	53





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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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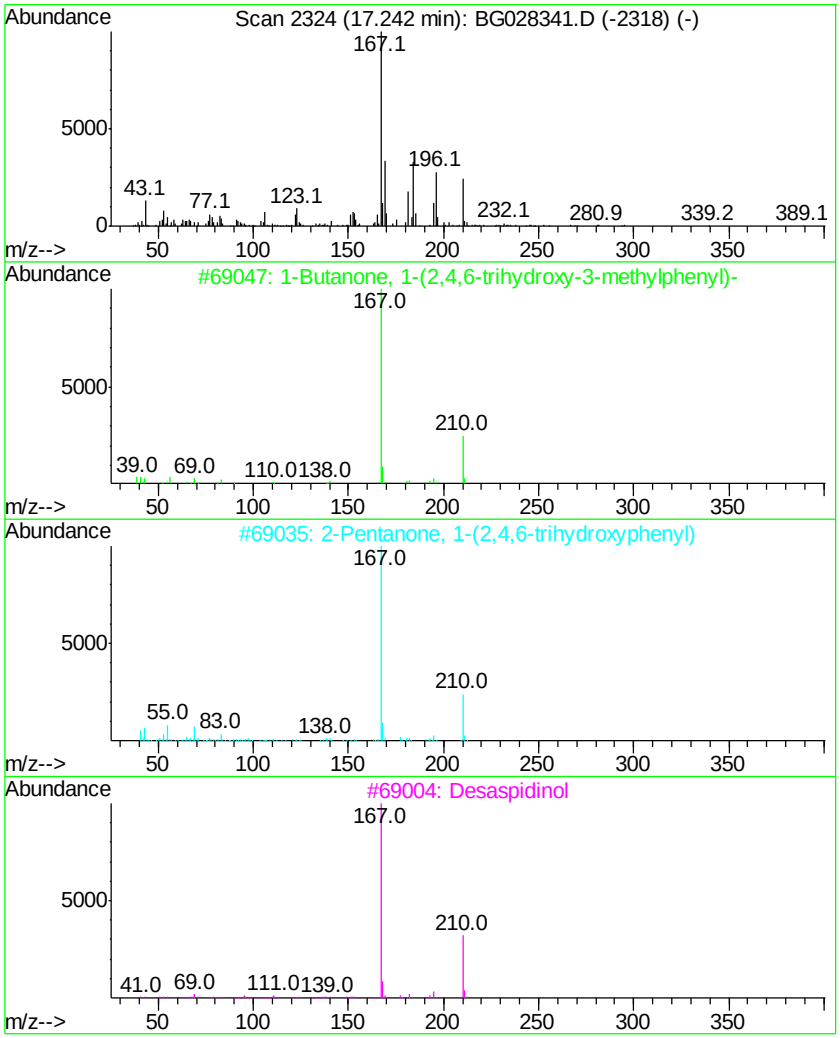
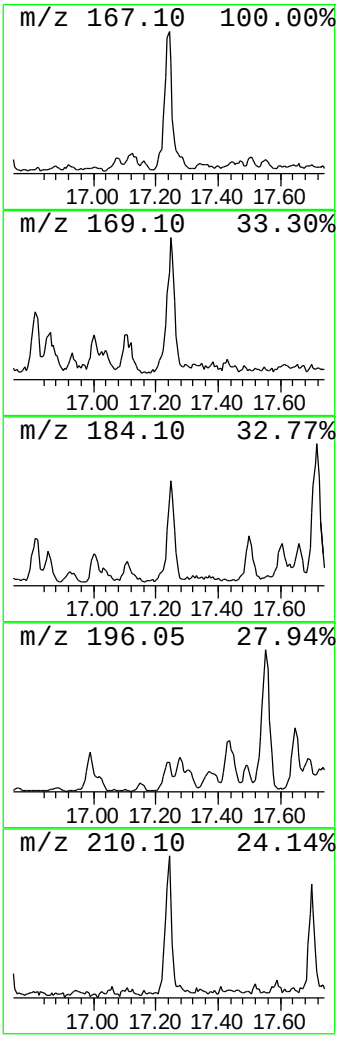
Peak Number 33 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	15.55 ng/ul	773750	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanone, 1-(2,4,6-trihydroxy-...	210	C11H14O4	001509-06-4	49
2	2-Pentanone, 1-(2,4,6-trihydroxy...	210	C11H14O4	1000116-22-3	47
3	Desaspidinol	210	C11H14O4	000437-72-9	43
4	4-Chloro-3-methoxy-1H-2-benzopyr...	210	C10H7ClO3	024672-89-7	42
5	4-Pyrimidinamine, 5-fluoro-N-met...	196	C9H13FN4	1000351-60-5	37





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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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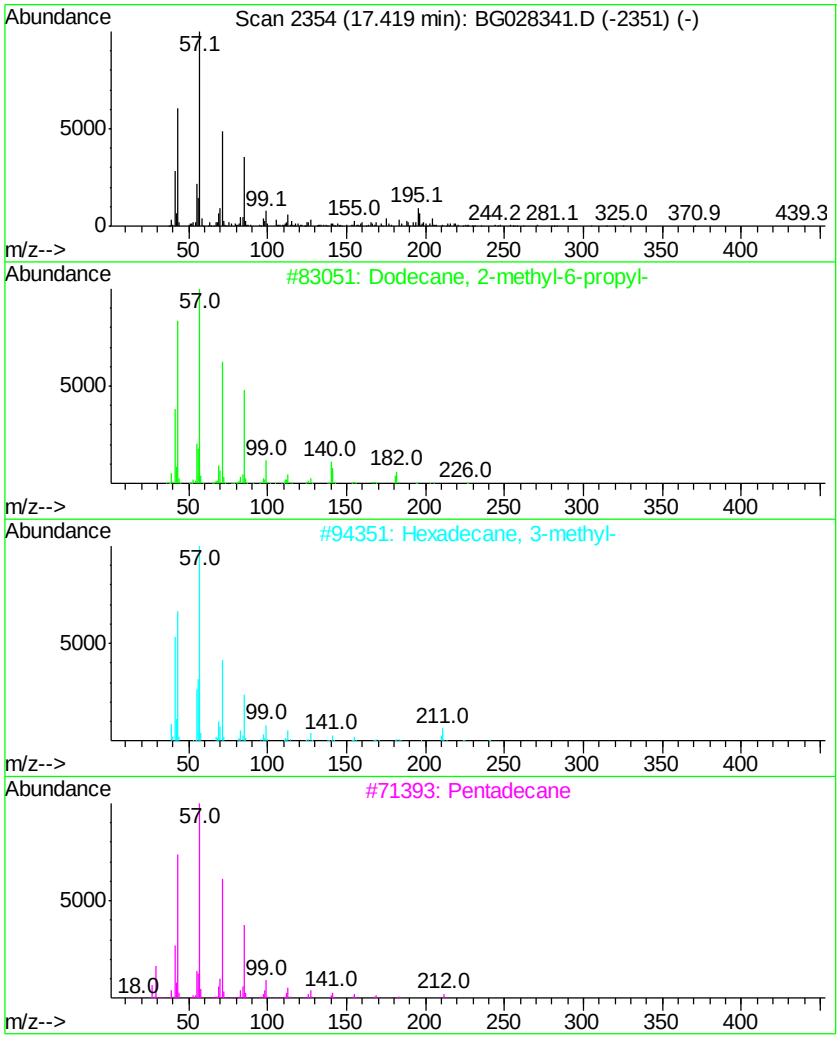
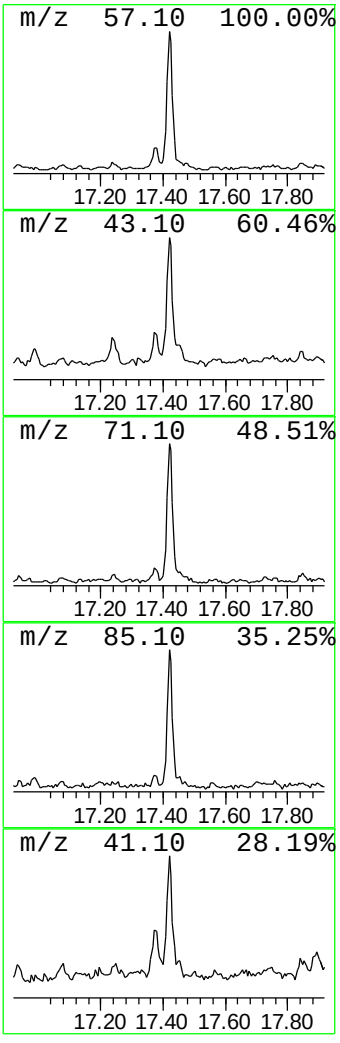
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	15.79 ng/ul	785880	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	55
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	46
3	Pentadecane	212	C15H32	000629-62-9	43
4	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	43
5	Eicosane	282	C20H42	000112-95-8	43





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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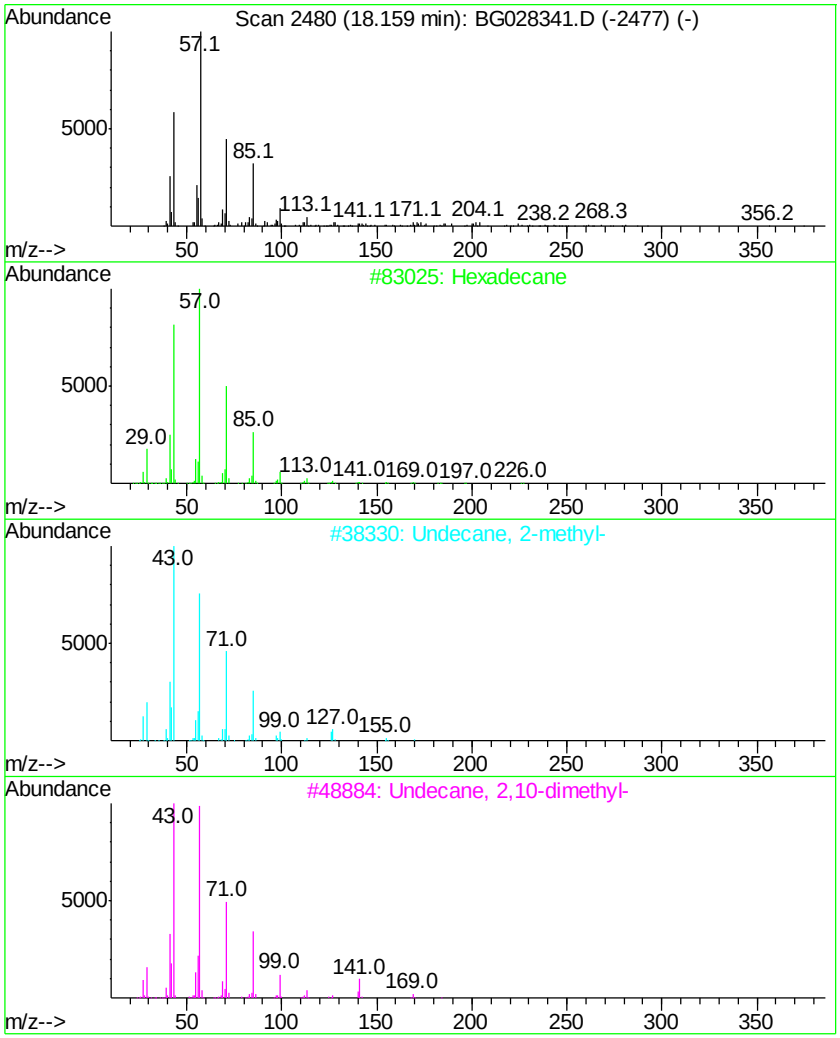
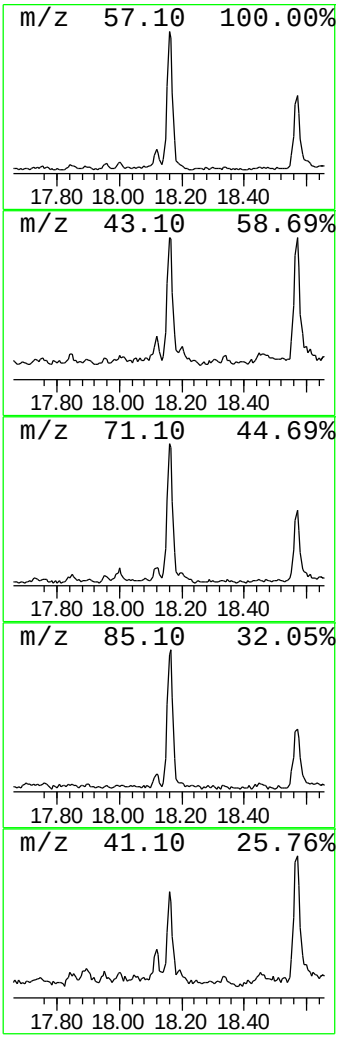
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	8.52 ng/ul	423854	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
3	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	74
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	72





Library Search Compound Report

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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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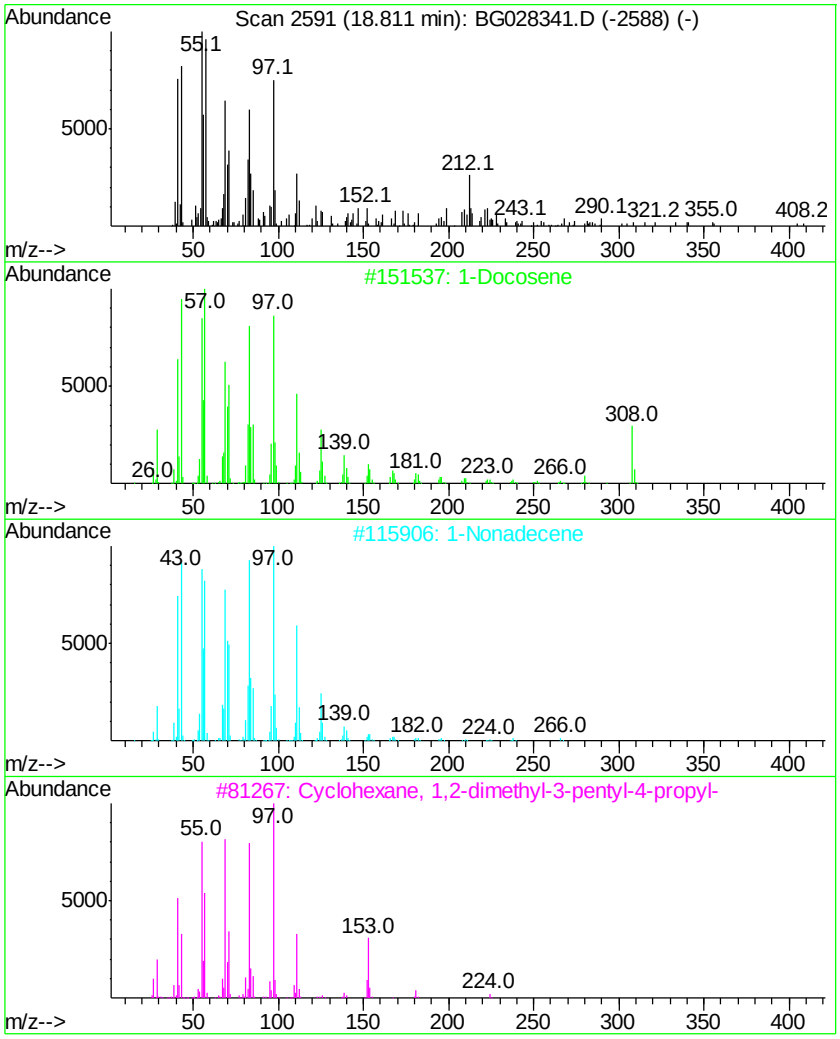
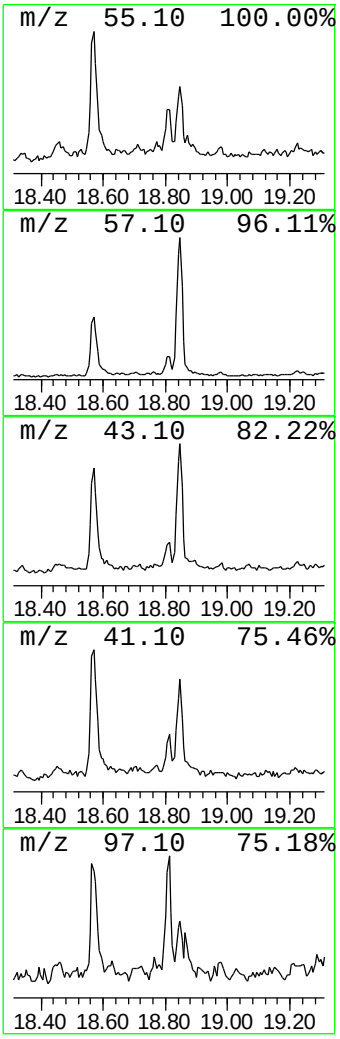
Peak Number 42 (DEL) Alkane: Cyclic18.81 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	5.15 ng/ul	256224	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	90
2	1-Nonadecene	266	C19H38	018435-45-5	89
3	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	76
4	1-Docosene	308	C22H44	001599-67-3	76
5	1-Docosene	308	C22H44	001599-67-3	70





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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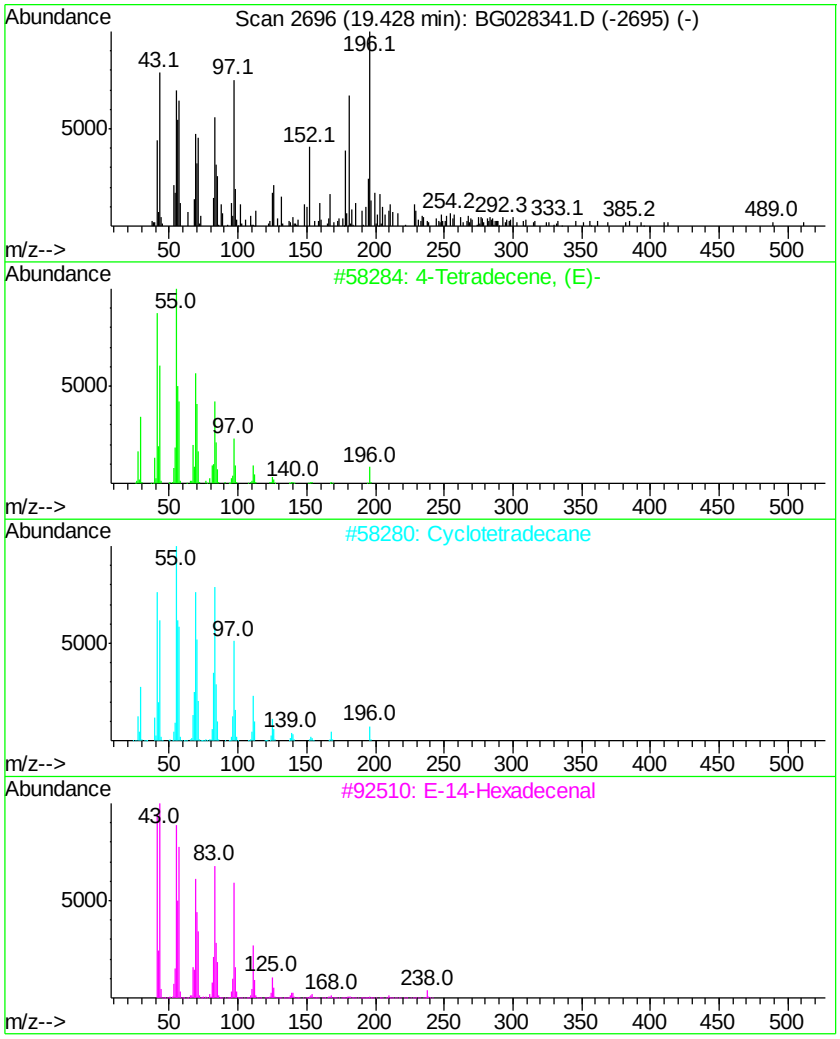
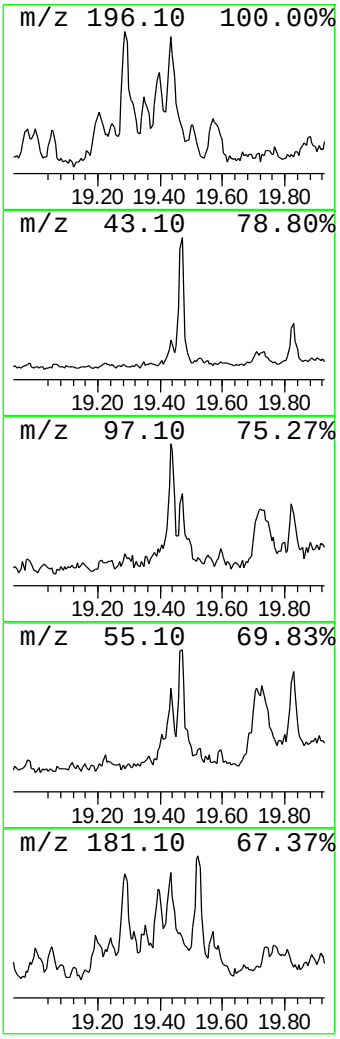
Peak Number 46 (DEL) Alkane: Cyclic19.43 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	4.38 ng/ul	217958	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Tetradecene, (E)-	196	C14H28	041446-78-0	78
2	Cyclotetradecane	196	C14H28	000295-17-0	62
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	50
4	5-Tetradecene, (E)-	196	C14H28	041446-66-6	46
5	7-Tetradecene, (Z)-	196	C14H28	041446-60-0	46





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Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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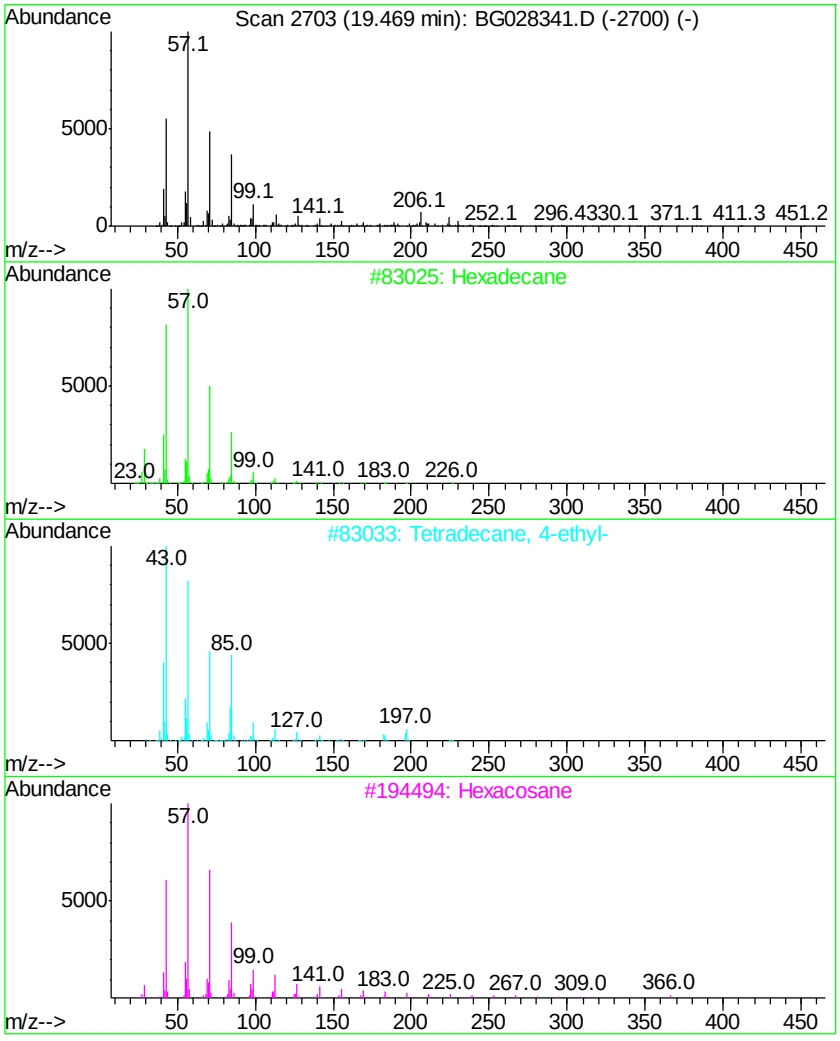
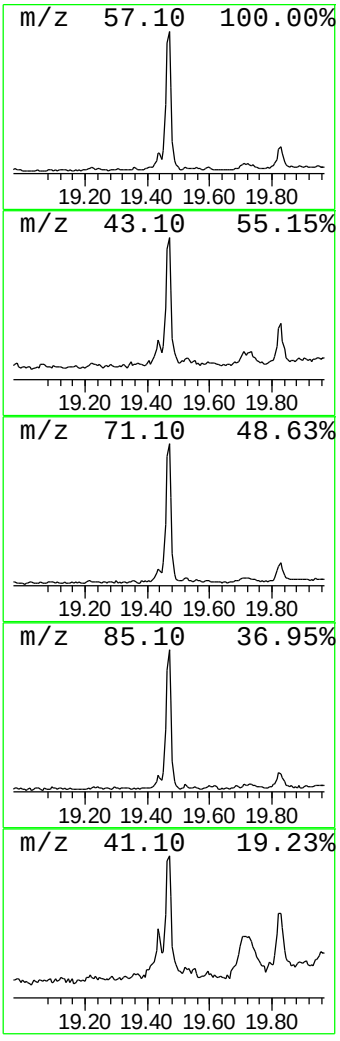
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	17.84 ng/ul	887766	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83
3	Hexacosane	366	C26H54	000630-01-3	80
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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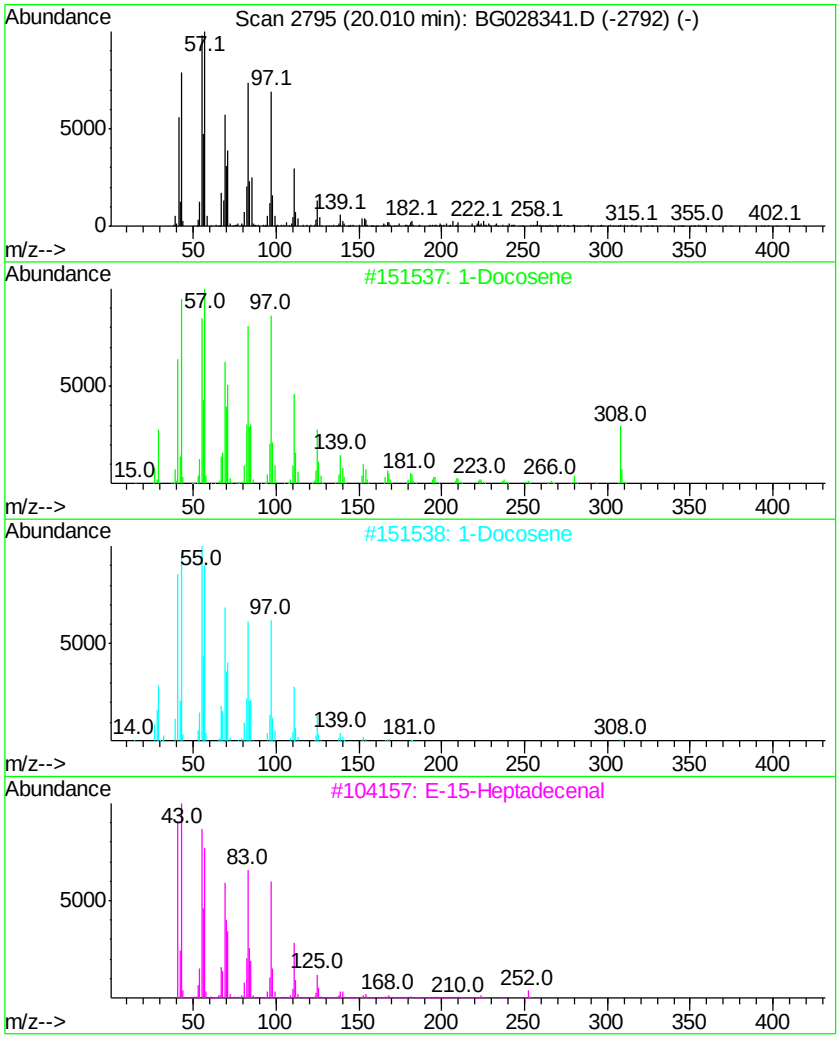
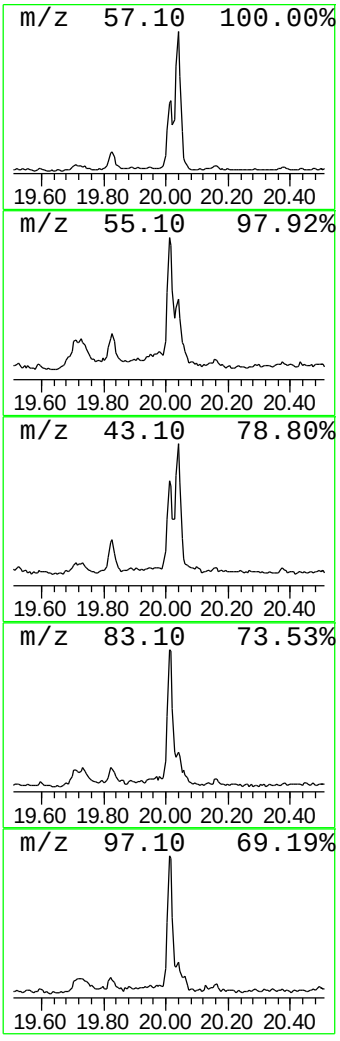
Peak Number 50 (DEL) Alkane: Cyclic20.01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	21.20 ng/ul	1215040	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	98
2	1-Docosene	308	C22H44	001599-67-3	94
3	E-15-Heptadecenal	252	C17H32O	1000130-97-9	91
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
5	Cyclooctacosane	392	C28H56	000297-24-5	91





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Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

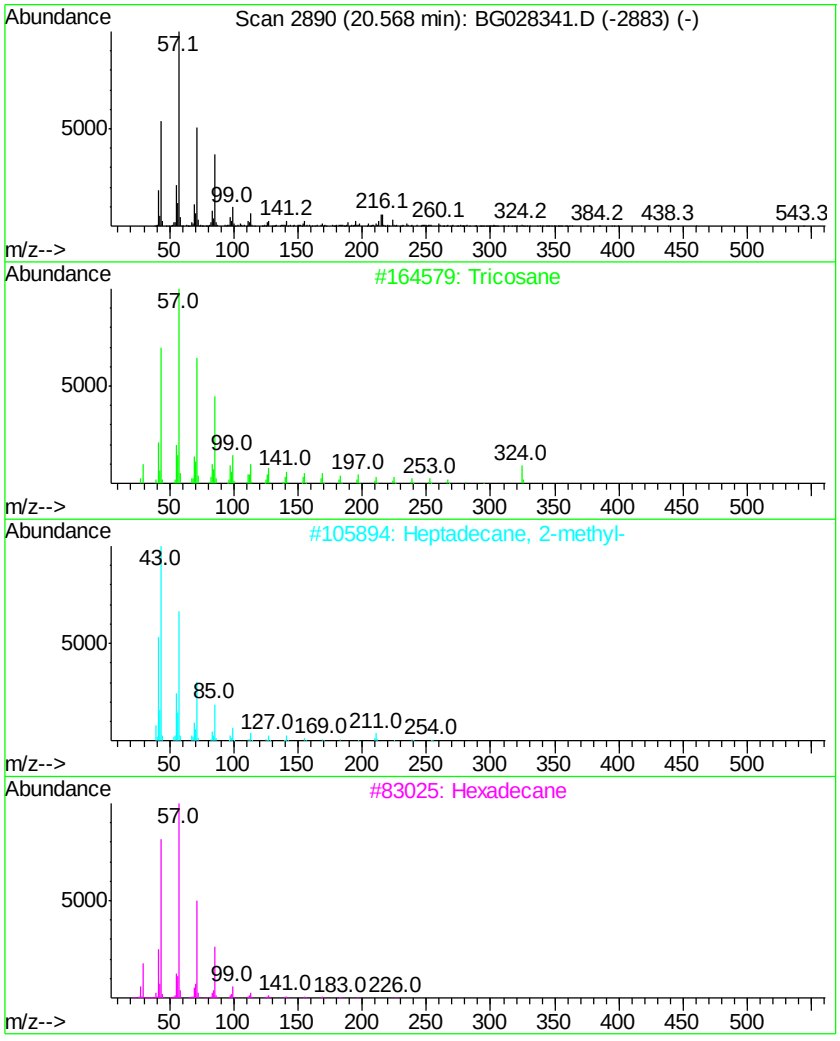
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

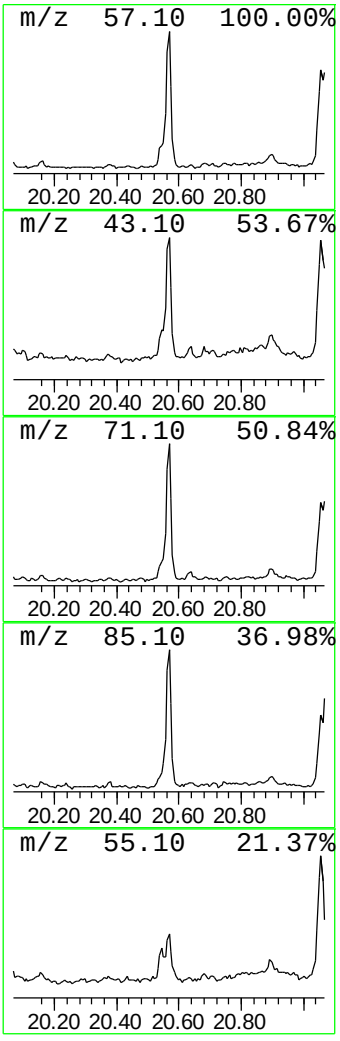
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	16.94 ng/ul	970607	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	90
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	81
3	Hexadecane	226	C16H34	000544-76-3	81
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	74
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	74





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Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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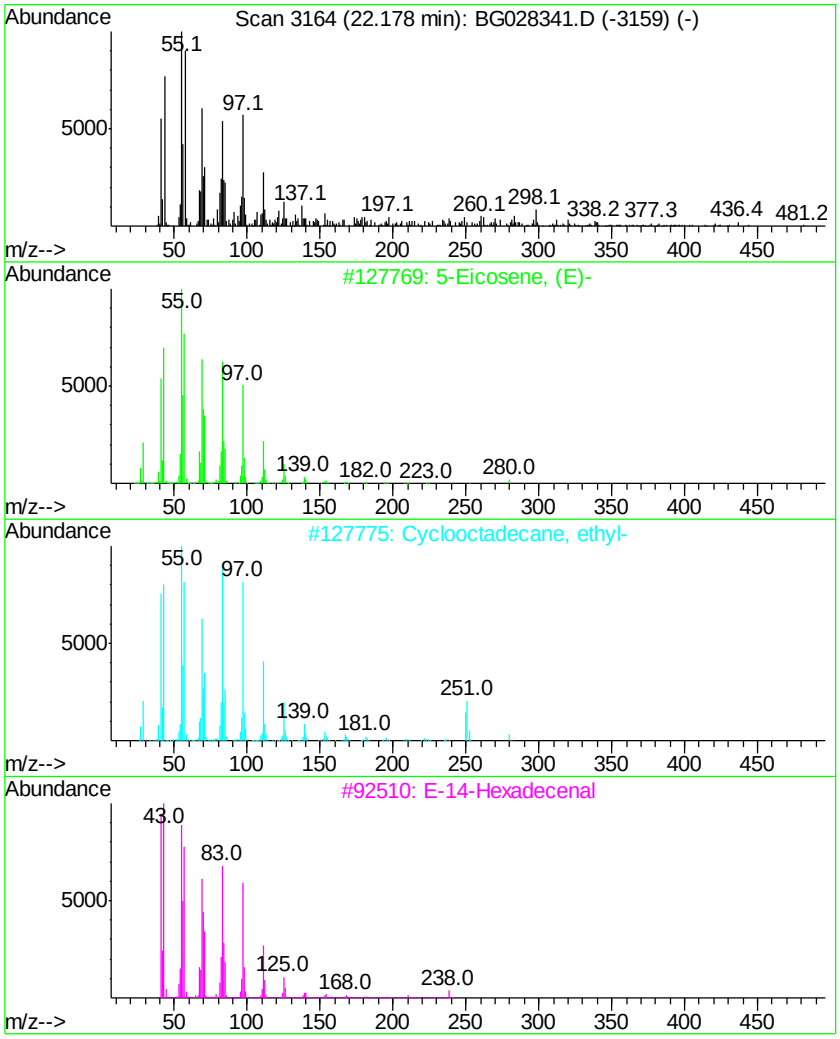
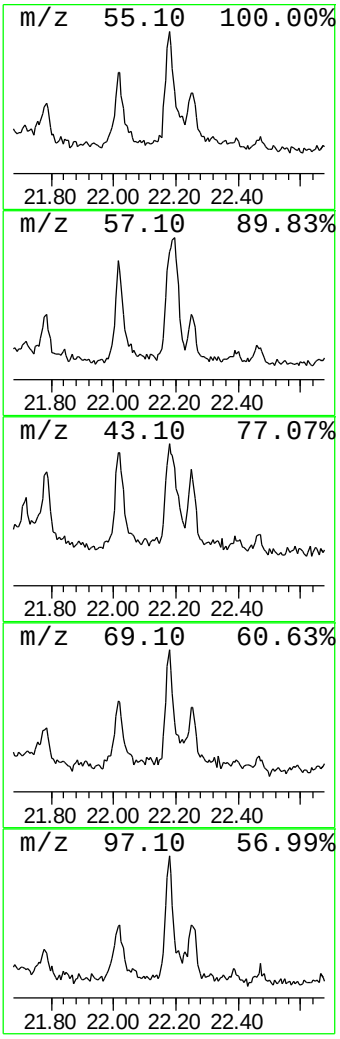
Peak Number 57 (DEL) Alkane: Cyclic22.18 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.18	19.74 ng/ul	1131200	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Cyclooctadecane, ethyl-	280	C20H40	1000151-22-5	93
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	92
4	1-Nonadecene	266	C19H38	018435-45-5	92
5	Cycloeicosane	280	C20H40	000296-56-0	92





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Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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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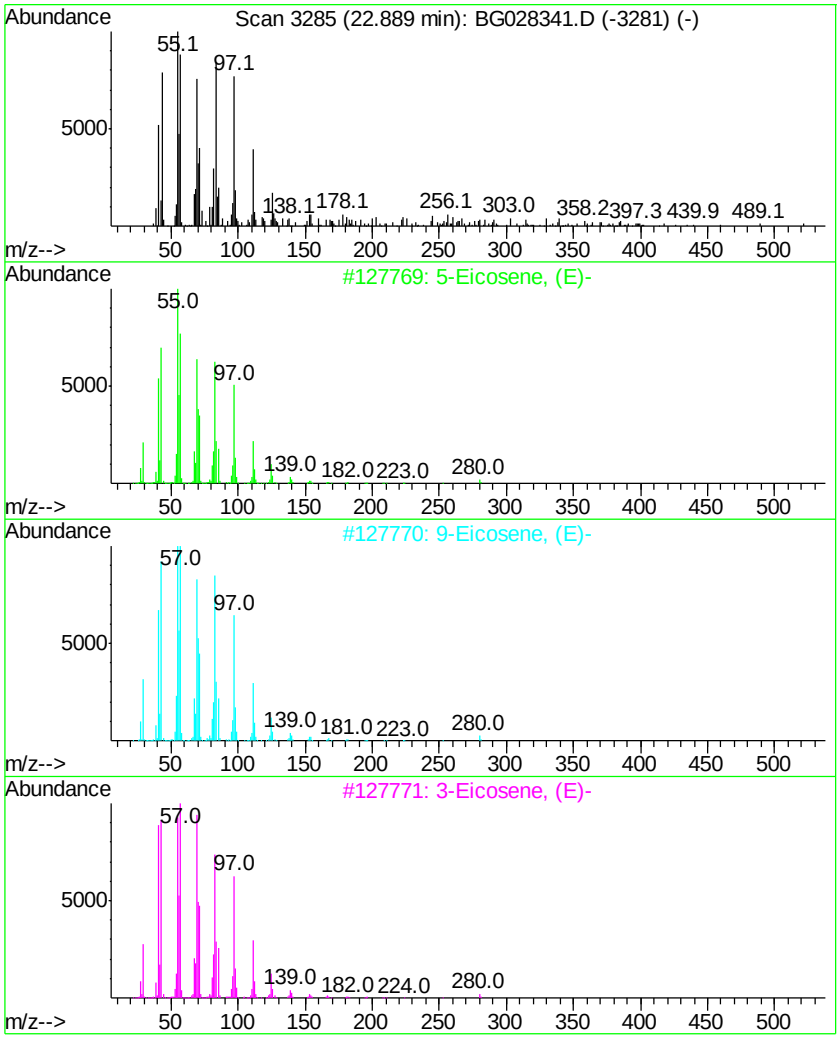
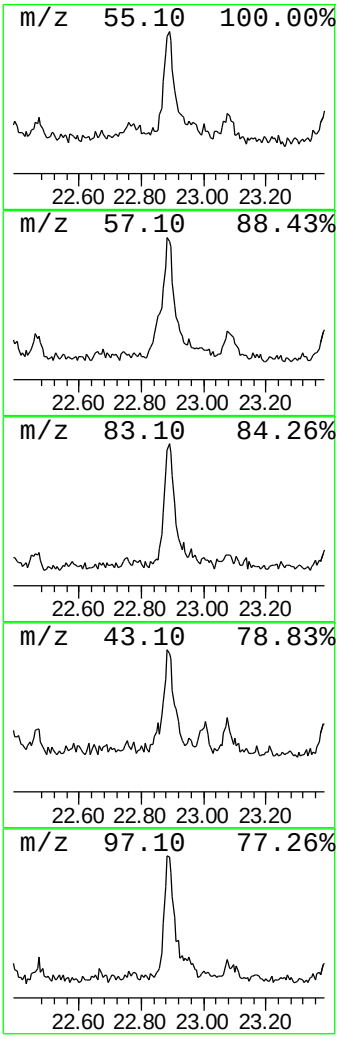
Peak Number 59 (DEL) Alkane: Cyclic22.89 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	4.97 ng/ul	285056	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	90
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
4	1-Octadecene	252	C18H36	000112-88-9	89
5	Cycloeicosane	280	C20H40	000296-56-0	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081517\
Data File : BG028341.D
Acq On : 15 Aug 2017 12:52
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC3

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
Phenol, 4-ethyl-	10.60	12.8	ng/ul	308222	2	11.18	481119	20.0
1H-Indazole, 3,6-...	11.41	11.2	ng/ul	268765	2	11.18	481119	20.0
1H-Benzimidazole,...	11.54	8.2	ng/ul	198147	2	11.18	481119	20.0
Phenol, 3-propyl-	11.98	19.2	ng/ul	461044	2	11.18	481119	20.0
Benzene, 1,4-dime...	12.31	9.4	ng/ul	225900	2	11.18	481119	20.0
(DEL) Alkane: Str...	12.54	8.8	ng/ul	212306	2	11.18	481119	20.0
Ethanone, 1-[4-(1...	12.69	8.4	ng/ul	201201	2	11.18	481119	20.0
Naphthalene, 1-me...	13.02	11.4	ng/ul	273862	2	11.18	481119	20.0
2,5,6-Trimethylbe...	13.11	4.1	ng/ul	226588	3	14.97	1106630	20.0
Phenol, 2,6-dimet...	13.22	9.9	ng/ul	547109	3	14.97	1106630	20.0
Dihydrojasmone	13.45	4.0	ng/ul	219675	3	14.97	1106630	20.0
unknown-01	13.68	8.5	ng/ul	467949	3	14.97	1106630	20.0
Naphthalene, 1,2,...	13.94	4.9	ng/ul	269607	3	14.97	1106630	20.0
unknown-02	14.00	5.4	ng/ul	296603	3	14.97	1106630	20.0
Naphthalene, 1,6-...	14.14	10.8	ng/ul	597481	3	14.97	1106630	20.0
Phenol, 4-methoxy...	14.30	19.0	ng/ul	1050180	3	14.97	1106630	20.0
Naphthalene, 2,3-...	14.52	5.5	ng/ul	302635	3	14.97	1106630	20.0
Sulfurous acid, 2...	14.82	5.2	ng/ul	290105	3	14.97	1106630	20.0
Benzene, 1,1'-eth...	15.10	18.4	ng/ul	1020630	3	14.97	1106630	20.0
3-(2-Methyl-prope...	15.43	4.4	ng/ul	242436	3	14.97	1106630	20.0
Naphthalene, 1,6,...	15.57	6.6	ng/ul	366164	3	14.97	1106630	20.0
(DEL) Alkane: Str...	15.77	3.6	ng/ul	201555	3	14.97	1106630	20.0
9H-Carbazole-9-me...	15.89	15.6	ng/ul	863202	3	14.97	1106630	20.0
unknown-03	16.39	6.0	ng/ul	298182	4	17.72	995301	20.0
9H-Fluoren-9-ol	16.44	7.2	ng/ul	357807	4	17.72	995301	20.0
(DEL) Alkane: Str...	16.63	11.7	ng/ul	584119	4	17.72	995301	20.0
9H-Fluorene, 2-me...	16.99	17.5	ng/ul	872129	4	17.72	995301	20.0
9H-Fluorene, 1-me...	17.07	8.1	ng/ul	401890	4	17.72	995301	20.0
unknown-04	17.24	15.6	ng/ul	773750	4	17.72	995301	20.0
(DEL) Alkane: Str...	17.42	15.8	ng/ul	785880	4	17.72	995301	20.0
(DEL) Alkane: Str...	18.16	8.5	ng/ul	423854	4	17.72	995301	20.0
(DEL) Alkane: Cyc...	18.81	5.2	ng/ul	256224	4	17.72	995301	20.0
(DEL) Alkane: Cyc...	19.43	4.4	ng/ul	217958	4	17.72	995301	20.0
(DEL) Alkane: Str...	19.47	17.8	ng/ul	887766	4	17.72	995301	20.0
(DEL) Alkane: Cyc...	20.01	21.2	ng/ul	1215040	5	22.05	1146080	20.0
(DEL) Alkane: Str...	20.57	16.9	ng/ul	970607	5	22.05	1146080	20.0
(DEL) Alkane: Cyc...	22.18	19.7	ng/ul	1131200	5	22.05	1146080	20.0
(DEL) Alkane: Cyc...	22.89	5.0	ng/ul	285056	5	22.05	1146080	20.0