LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

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\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.862	1018	1025	1031	rBV3	1424390	2988328	7.40%	0.391%
2	9.015	1045	1051	1057	rVV2	2391698	4805872	11.90%	0.629%
3	9.332	1093	1105	1114	rBV4	1496068	3755868	9.30%	0.491%
4	9.426	1114	1121	1127	rVB2	1978960	3720078	9.21%	0.487%
5	9.579	1128	1147	1156	rBV2	773569	3167784	7.85%	0.415%
6	9.785	1177	1182	1189	rVV	1926441	3589016	8.89%	0.470%
7	10.225	1251	1257	1274	rBV6	3606731	11819457	29.28%	1.547%
8	10.443	1287	1294	1298	rBV3	2004369	4770868	11.82%	0.624%
9	10.502	1298	1304	1308	rVV2	3393940	8491759	21.03%	1.111%
10	10.543	1308	1311	1318	rVB2	3664763	5891767	14.59%	0.771%
11	11.119	1404	1409	1414	rVV	1781030	3187695	7.90%	0.417%
12	11.171	1414	1418	1427	rVV3	2634155	5138471	12.73%	0.672%
13	11.301	1436	1440	1452	rVB4	1433393	4128119	10.23%	0.540%
14	11.424	1453	1461	1465	rBV5	2115951	4822041	11.94%	0.631%
15	11.471	1465	1469	1475	rVB	2228715	3726180	9.23%	0.488%
16	11.600	1484	1491	1496	rBV	2456279	4725961	11.71%	0.618%
17	11.735	1507	1514	1524	rVB9	2382960	6394318	15.84%	0.837%
18	11.900	1524	1542	1550	rBV2	6885416	20418927	50.58%	2.672%
19	12.035	1558	1565	1569	rBV2	3881975	6907886	17.11%	0.904%
20	12.088	1569	1574	1578	rVV3	2393764	4516746	11.19%	0.591%
21	12.135	1578	1582	1589	rVB5	1770392	3466838	8.59%	0.454%
22	12.423	1626	1631	1635	rBV2	3001358	5458510	13.52%	0.714%
23	12.723	1675	1682	1686	rBV	6327900	12288971	30.44%	1.608%
24	12.834	1697	1701	1713	rBV4	2225527	6438778	15.95%	0.843%
25	12.934	1713	1718	1724	rVB	4934916	8520015	21.10%	1.115%
26	13.075	1725	1742	1746	rBV5	3951450	13304901	32.96%	1.741%
27	13.228	1762	1768	1772	rBV5	2554333	5008395	12.41%	0.655%
28	13.304	1773	1781	1785	rVV6	2499136	7178974	17.78%	0.939%
29	13.363	1785	1791	1804	rVV4	7090305	14801048	36.66%	1.937%
30	13.657	1834	1841	1846	rBV4	3482810	8043764	19.92%	1.053%
31	13.745	1852	1856	1861	rBV5	1569303	2914675	7.22%	0.381%
32	13.804	1862	1866	1872	rVB6	1653196	3313222	8.21%	0.434%
33	13.903	1879	1883	1896	rVB3	2904199	5985245	14.83%	0.783%
34	14.062	1899	1910	1917	rBV3	7747005	23942262	59.30%	3.133%

LSC Area Percent Report

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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

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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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	14.144	1917	1924	1927	rBV4	2818671	5243295	12.99%	0.686%
36	14.209	1927	1935	1939	rBV2	9797605	22044130	54.60%	2.885%
37	14.262	1939	1944	1947	rBV2	6665262	10612801	26.29%	1.389%
38	14.309	1948	1952	1956	rVB2	8297102	13372925	33.12%	1.750%
39	14.362	1956	1961	1966	rBV6	2133067	4551746	11.27%	0.596%
40	14.432	1968	1973	1977	rBV2	2832710	4505282	11.16%	0.590%
41	14.509	1983	1986	1990	rVB3	3091066	4256128	10.54%	0.557%
42	14.603	1990	2002	2006	rBV4	5194968	12183739	30.18%	1.594%
43	14.685	2011	2016	2019	rBV4	2317267	3448343	8.54%	0.451%
44	14.720	2019	2022	2030	rVB3	2458245	4632143	11.47%	0.606%
45	14.797	2030	2035	2037	rBV4	1974726	3175430	7.87%	0.416%
46	14.832	2037	2041	2048	rVB4	3437236	6010669	14.89%	0.787%
47	14.914	2050	2055	2059	rBV3	2899916	5085382	12.60%	0.665%
48	14.990	2065	2068	2074	rVB4	2705086	5428872	13.45%	0.710%
49	15.073	2075	2082	2090	rVB3	5129173	13232045	32.78%	1.732%
50	15.161	2091	2097	2103	rBV6	3858851	10375107	25.70%	1.358%
51	15.214	2103	2106	2109	rVV3	2767972	3716725	9.21%	0.486%
52	15.267	2109	2115	2120	rVB2	7953421	13926916	34.50%	1.822%
53	15.343	2120	2128	2136	rBV4	7503937	17340706	42.95%	2.269%
54	15.484	2146	2152	2157	rBV	6319010	14093103	34.91%	1.844%
55	15.543	2157	2162	2170	rVB3	6533925	13705330	33.95%	1.793%
56	15.649	2171	2180	2186	rBV5	7462129	22183095	54.95%	2.903%
57	15.772	2196	2201	2204	rBV6	2073214	3832303	9.49%	0.501%
58	15.913	2220	2225	2230	rBV5	4650467	9431587	23.36%	1.234%
59	16.072	2244	2252	2256	rBV3	11182103	19967017	49.46%	2.613%
60	16.113	2256	2259	2265	rVB4	2696454	4350587	10.78%	0.569%
61	16.166	2265	2268	2273	rBV5	1790654	3547476	8.79%	0.464%
62	16.289	2285	2289	2296	rBV3	2048798	4763410	11.80%	0.623%
63	16.354	2297	2300	2306	rVB6	2297734	3181478	7.88%	0.416%
64	16.465	2315	2319	2325	rVB6	1772828	3802583	9.42%	0.498%
65	16.553	2325	2334	2346	rBV4	15224041	40372035	100.00%	5.283%
66	16.724	2357	2363	2365	rBV4	1850904	3688420	9.14%	0.483%
67	16.829	2378	2381	2388	rBV7	1192471	2925893	7.25%	0.383%
68	16.923	2389	2397	2402	rVV5	4882757	11303037	28.00%	1.479%
69	16.982	2402	2407	2412	rVV2	5870166	9254562	22.92%	1.211%
70	17.029	2412	2415	2421	rVB5	2249203	3171778	7.86%	0.415%
71	17.141	2428	2434	2452	rVB9	3040201	12132958	30.05%	1.588%

LSC Area Percent Report

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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	17.311	2460	2463	2466	rBV2	3346721	3682169	9.12%	0.482%
73	17.364	2467	2472	2477	rVV	8412783	11995557	29.71%	1.570%
74	17.452	2484	2487	2495	rVB5	2525102	5326375	13.19%	0.697%
75	17.552	2501	2504	2508	rBV4	1870962	2816502	6.98%	0.369%
76	17.605	2509	2513	2520	rVV6	1626319	4881839	12.09%	0.639%
77	17.676	2520	2525	2534	rVB	3650196	7522747	18.63%	0.984%
78	17.805	2541	2547	2552	rBV5	2286402	5002052	12.39%	0.655%
79	17.963	2571	2574	2579	rVB2	2199493	3326638	8.24%	0.435%
80	18.052	2585	2589	2596	rVB4	3534392	5103834	12.64%	0.668%
81	18.486	2656	2663	2668	rBV3	7338294	12826960	31.77%	1.678%
82	18.545	2669	2673	2677	rVB	3218992	4872968	12.07%	0.638%
83	18.680	2693	2696	2701	rVB2	2214083	3463707	8.58%	0.453%
84	18.727	2701	2704	2709	rVB2	4261427	4930458	12.21%	0.645%
85	19.186	2778	2782	2791	rVB7	1603169	3556722	8.81%	0.465%
86	19.350	2806	2810	2813	rBV2	3139369	3524791	8.73%	0.461%
87	19.385	2813	2816	2821	rVB	2132756	3485954	8.63%	0.456%
88	19.614	2846	2855	2857	rBV4	2534058	5400476	13.38%	0.707%
89	19.849	2889	2895	2900	rBV2	3678478	8110953	20.09%	1.061%
90	19.920	2904	2907	2914	rVB3	4131359	6040360	14.96%	0.790%
91	20.443	2990	2996	3002	rVB2	3244728	5362708	13.28%	0.702%
92	20.942	3073	3081	3092	rVB2	3397146	9761701	24.18%	1.277%
93	21.465	3162	3170	3181	rVB3	2842853	7100831	17.59%	0.929%
94	22.018	3258	3264	3272	rBV4	1334608	3291597	8.15%	0.431%
95	23.357	3487	3492	3503	rVB4	1792312	4229524	10.48%	0.553%
96	25.931	3921	3930	3944	rVB3	1875306	5989456	14.84%	0.784%
97	26.377	3997	4006	4019	rVB9	1413770	4944330	12.25%	0.647%
98	26.589	4031	4042	4051	rVB4	2025136	6632969	16.43%	0.868%
99	27.217	4127	4149	4165	rVB7	4143134	20206978	50.05%	2.644%
100	28.939	4433	4442	4459	rVB5	929704	4319448	10.70%	0.565%

Sum of corrected areas: 764192379

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
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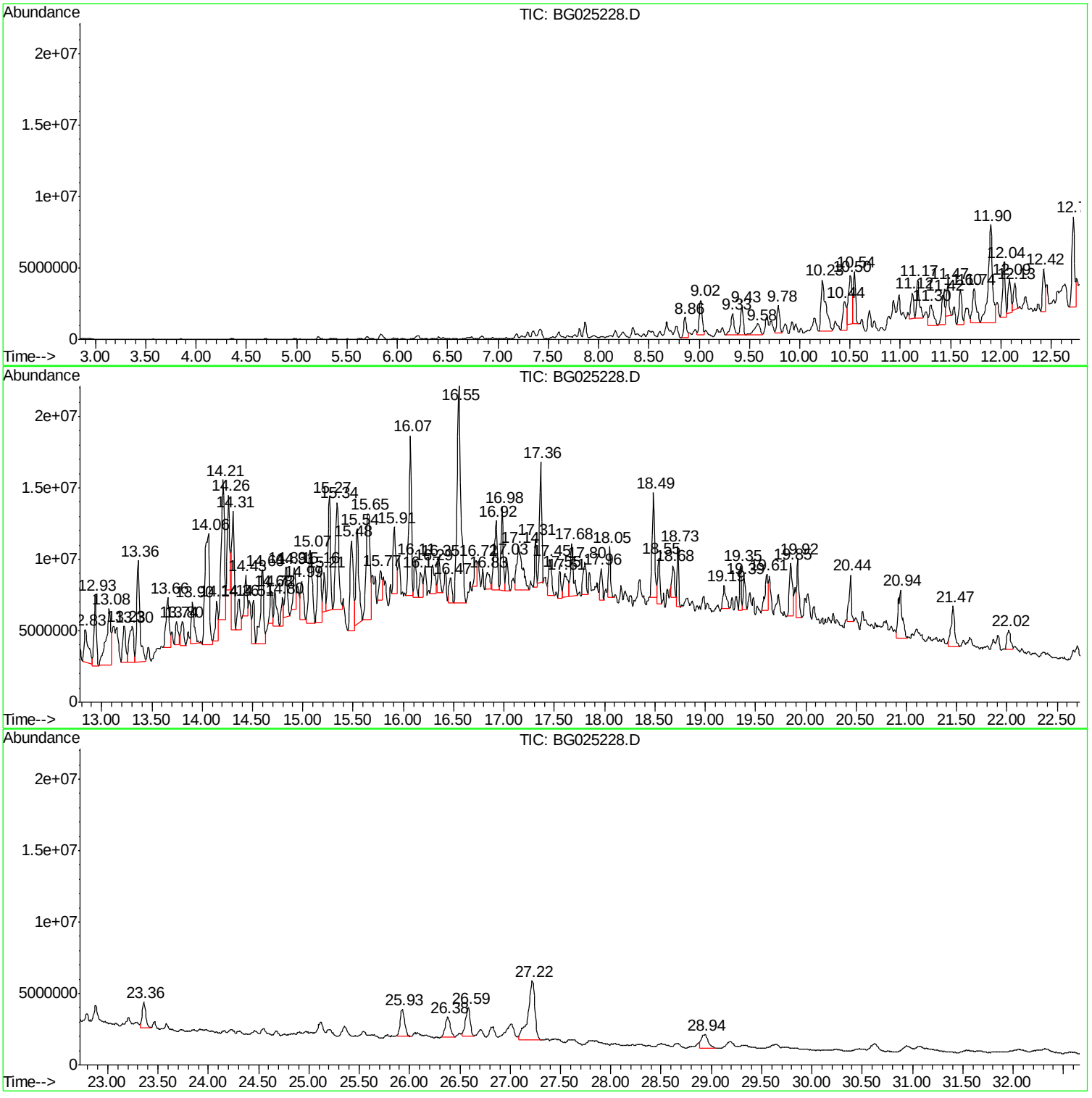
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

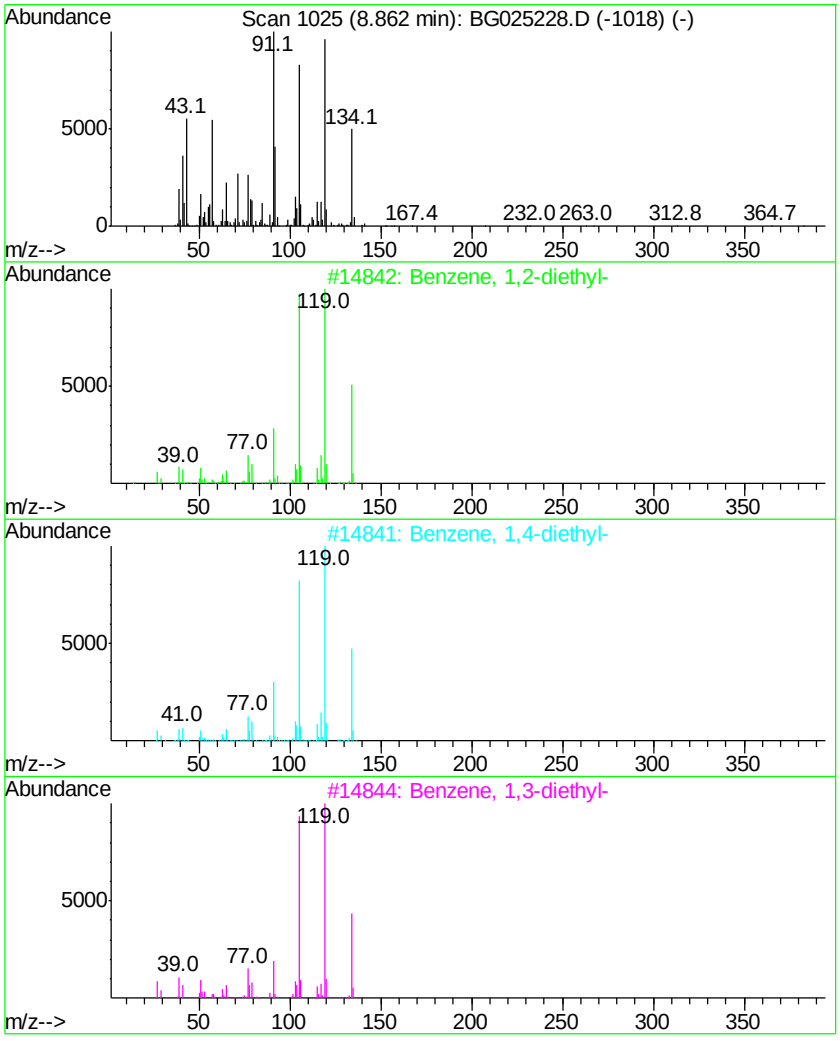
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

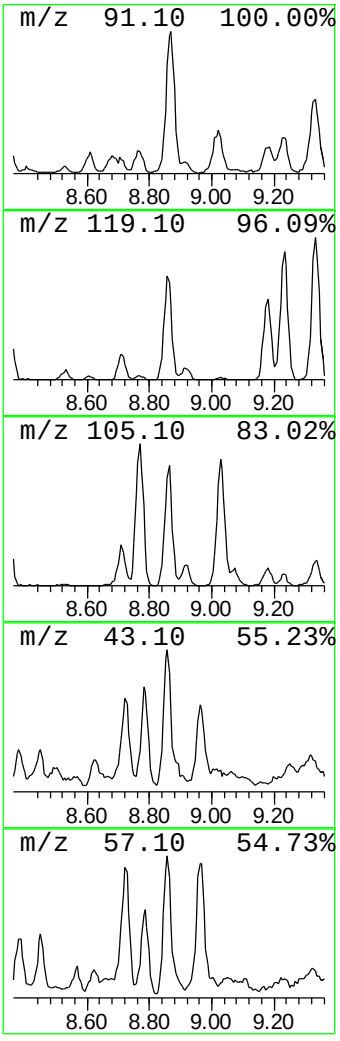
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	20.00 ng/ul	2988330	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	86





Library Search Compound Report

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Sample : H5995-15
Misc :
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Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

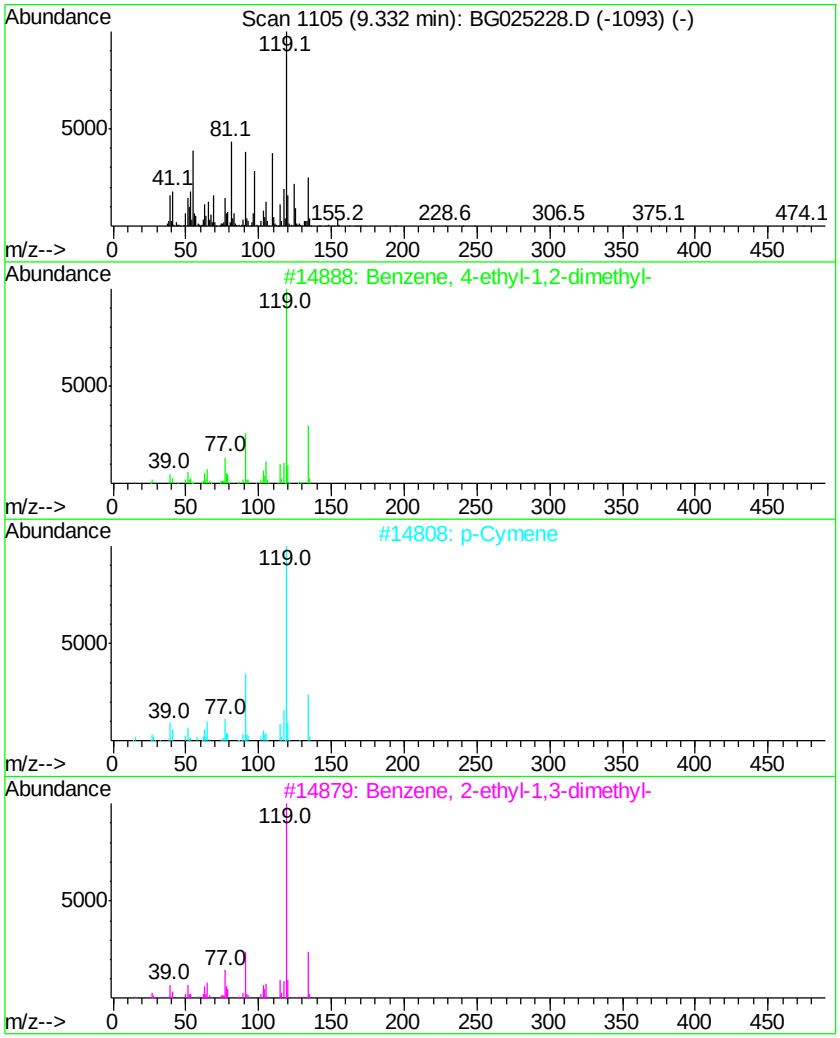
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

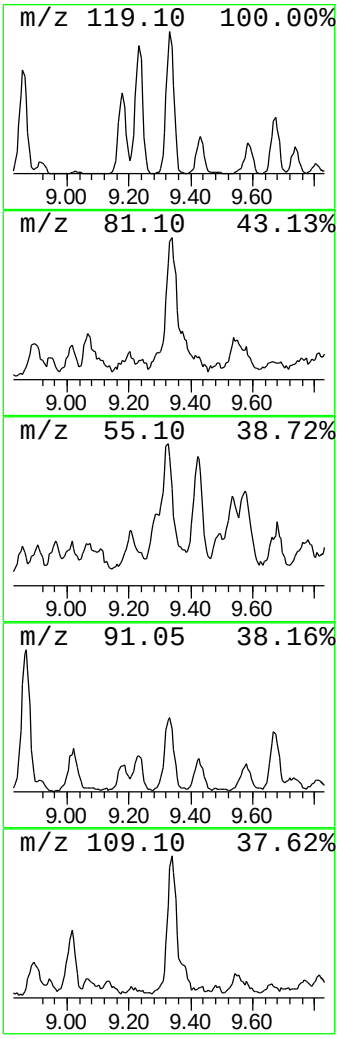
****

Peak Number 2 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	25.14 ng/ul	3755870	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2	p-Cymene	134	C10H14	000099-87-6	90
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

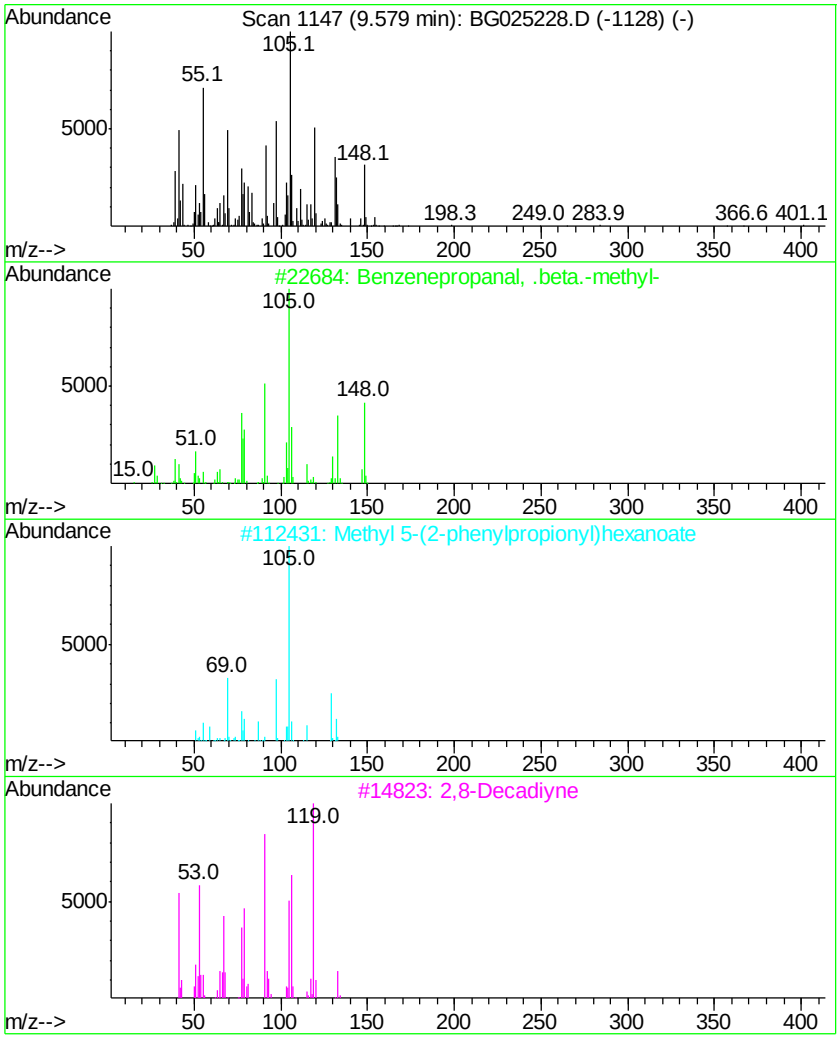
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

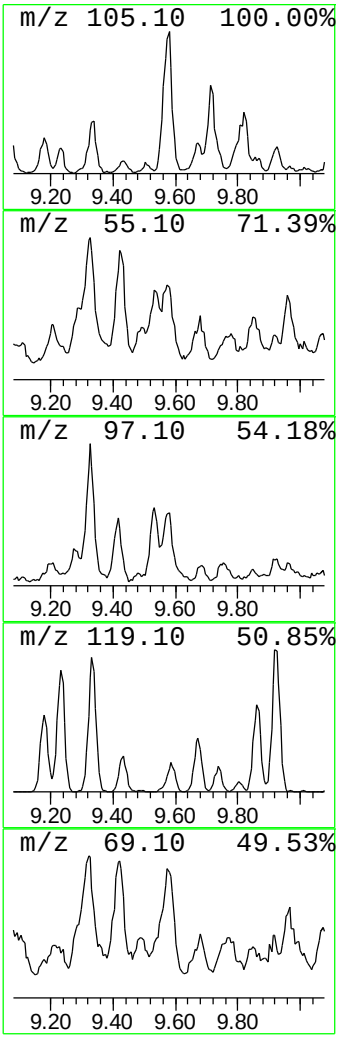
****

Peak Number 3 unknown-01 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	21.20 ng/ul	3167780	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	44
2	Methyl 5-(2-phenylpropionyl)hexa...	262	C16H22O3	1000100-60-3	22
3	2,8-Decadiyne	134	C10H14	004116-93-2	20
4	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	11
5	4-Methylphenyl acetone	148	C10H12O	002096-86-8	11





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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

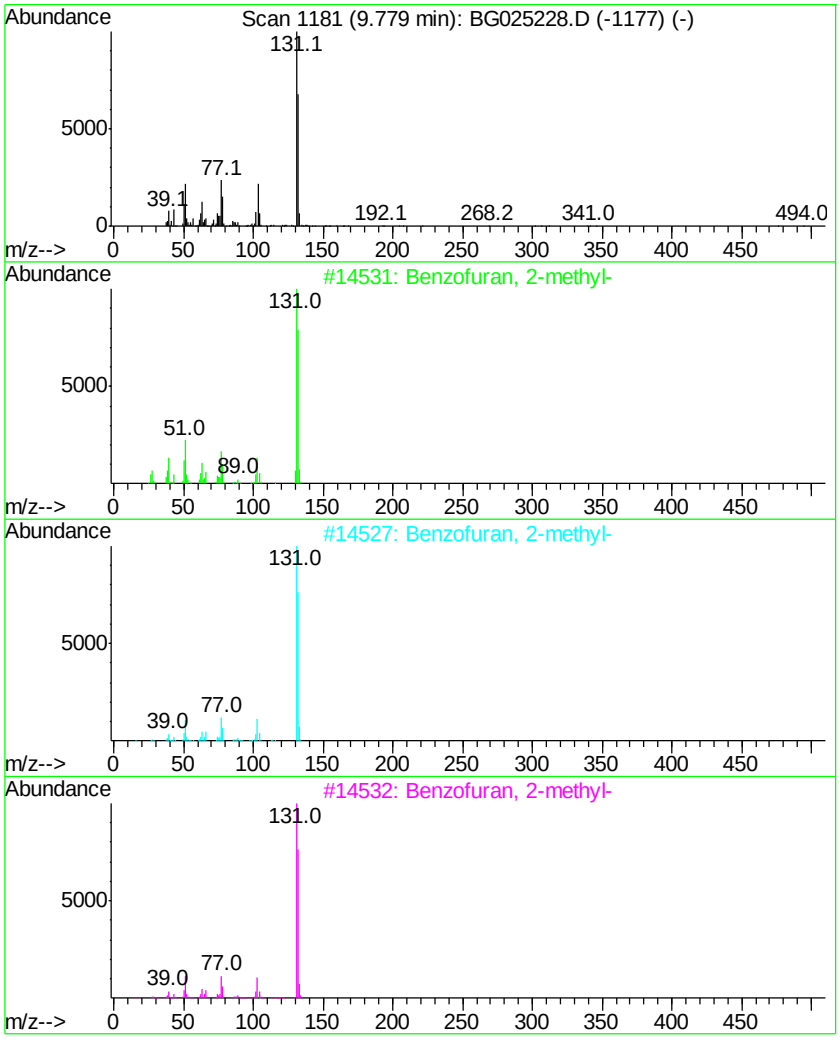
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

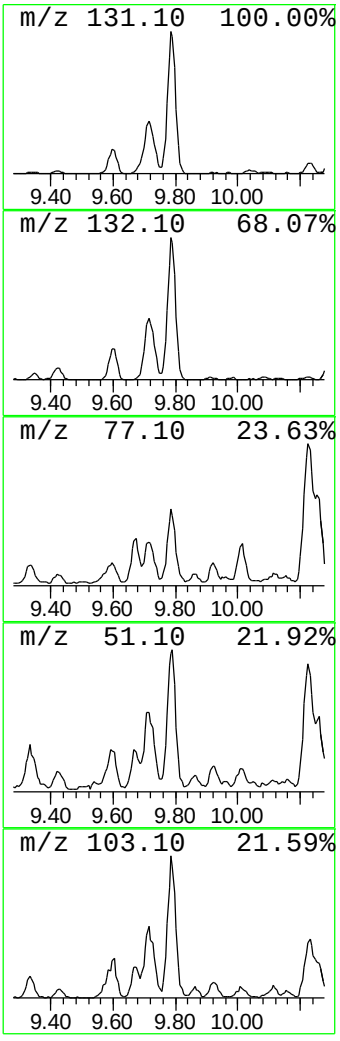
****

Peak Number 4 Benzofuran, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	22.52 ng/ul	3589020	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Library Search Compound Report

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Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

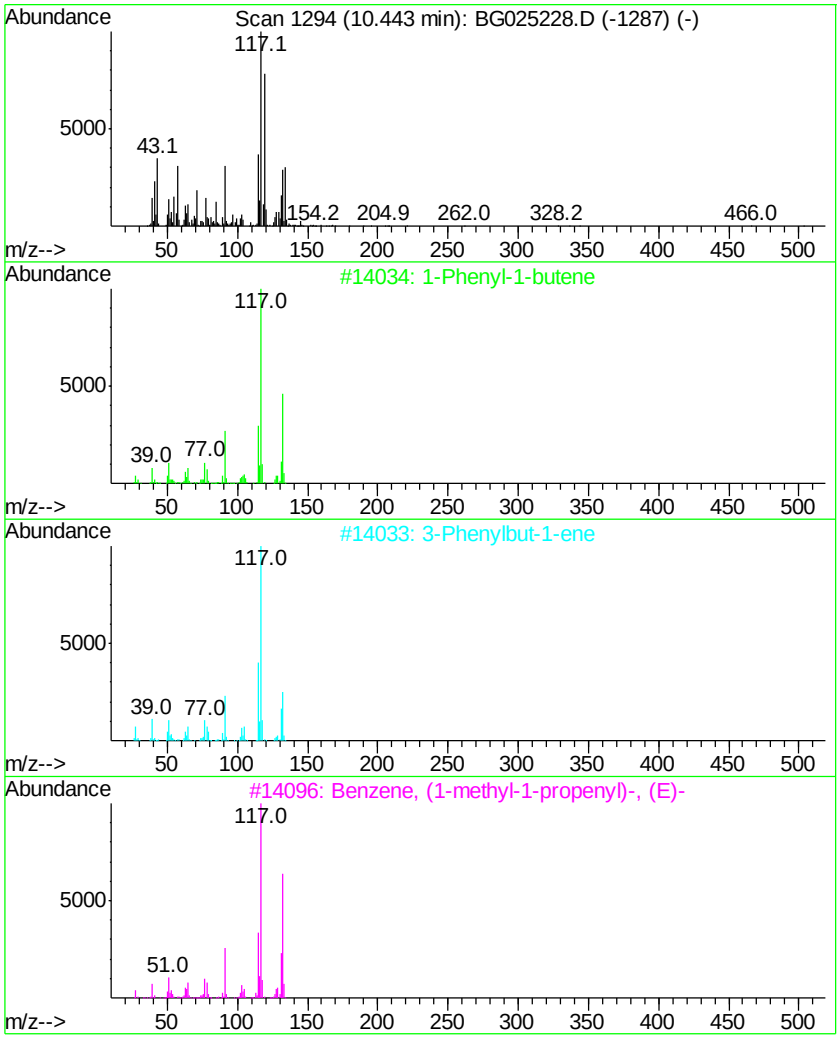
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

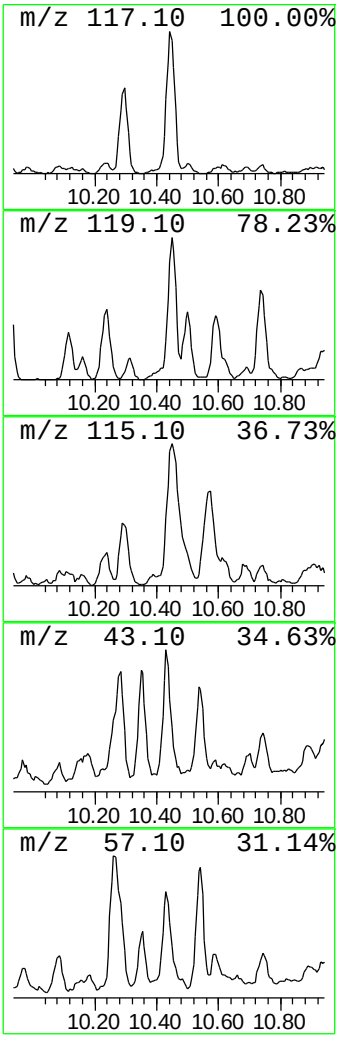
****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	29.93 ng/ul	4770870	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50





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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

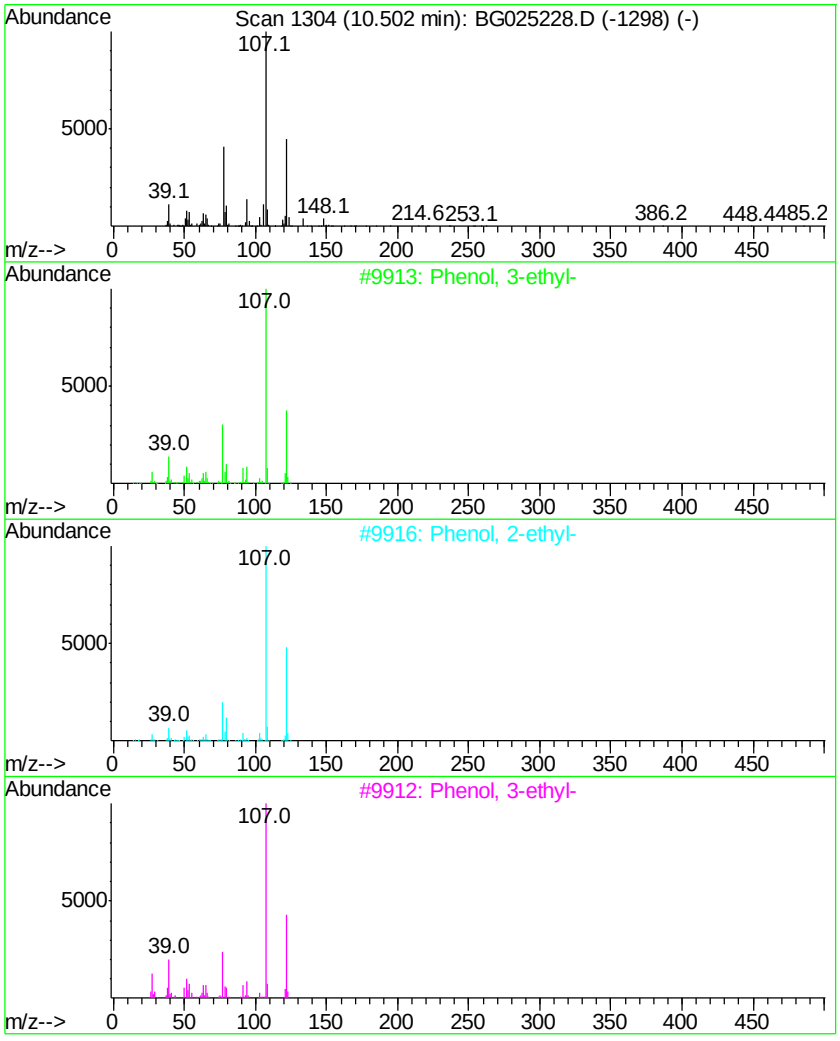
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

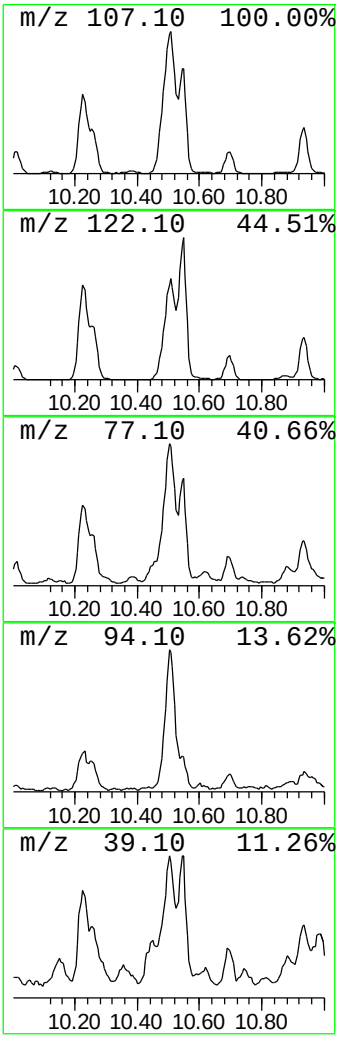
****

Peak Number 6 Phenol, 3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	53.28 ng/ul	8491760	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	80
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	76
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	72
5	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	72





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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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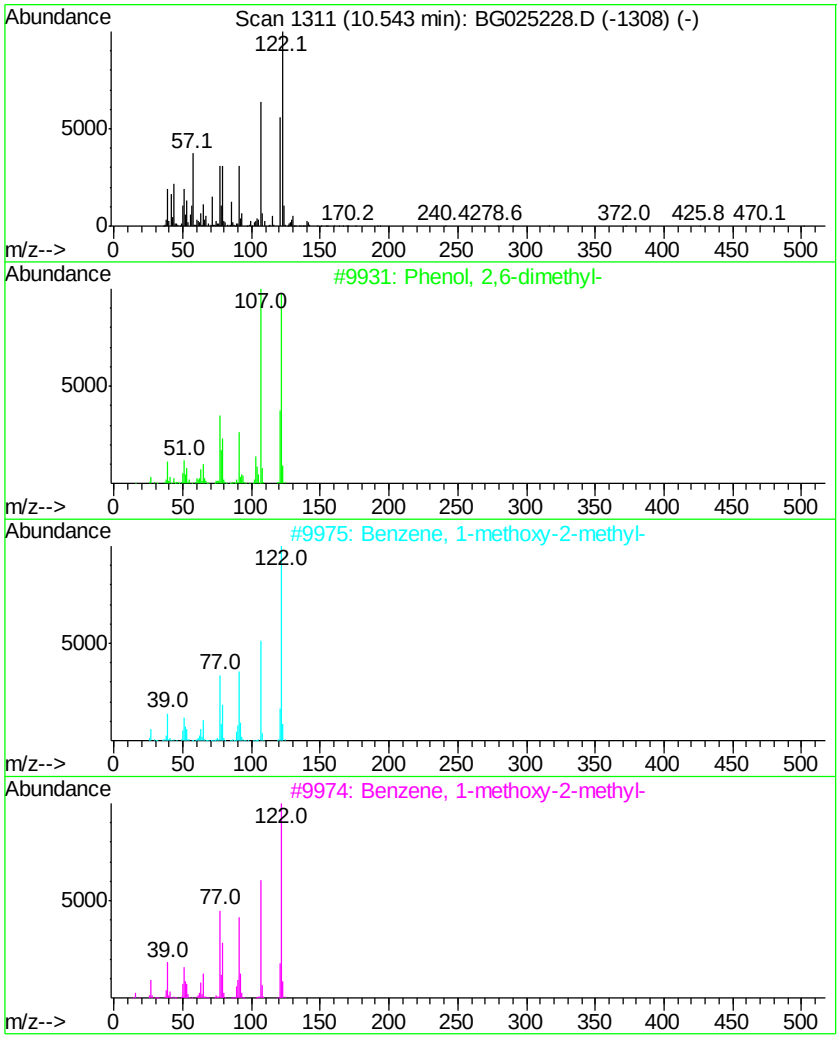
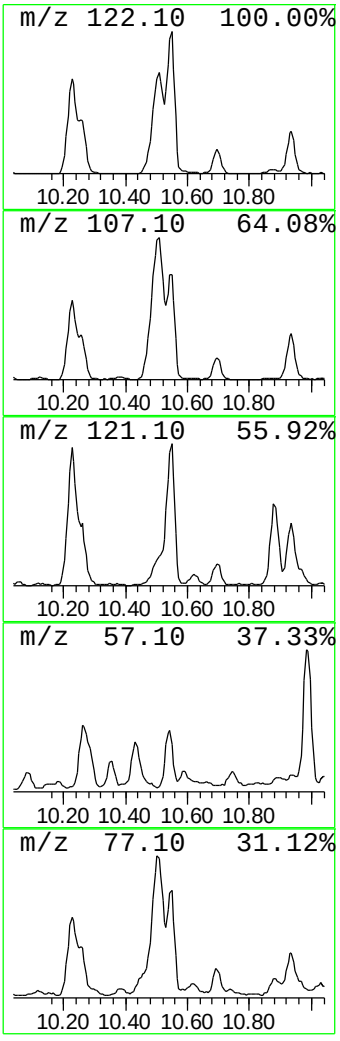
Peak Number 7 Phenol, 2,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	36.97 ng/ul	5891770	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	87
2	Benzene, 1-methoxy-2-methyl-	122	C8H10O	000578-58-5	83
3	Benzene, 1-methoxy-2-methyl-	122	C8H10O	000578-58-5	83
4	1,3,5-Cycloheptatriene, 1-methoxy-	122	C8H10O	001728-32-1	80
5	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	80





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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

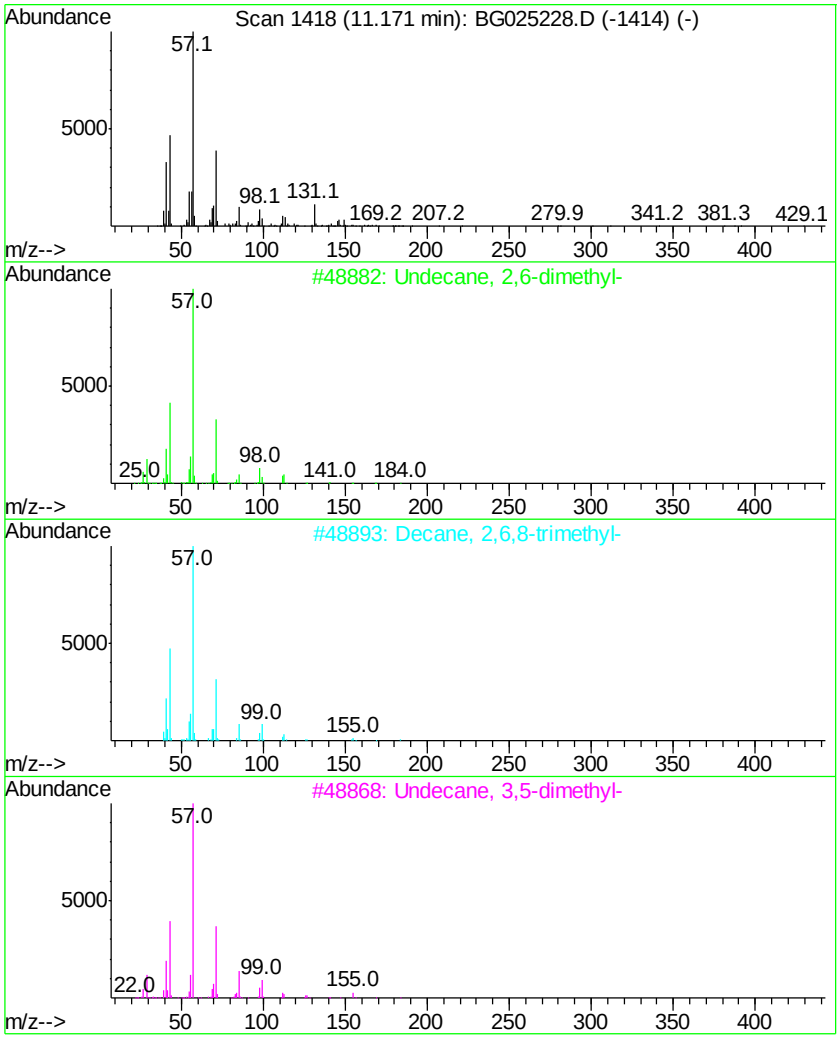
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

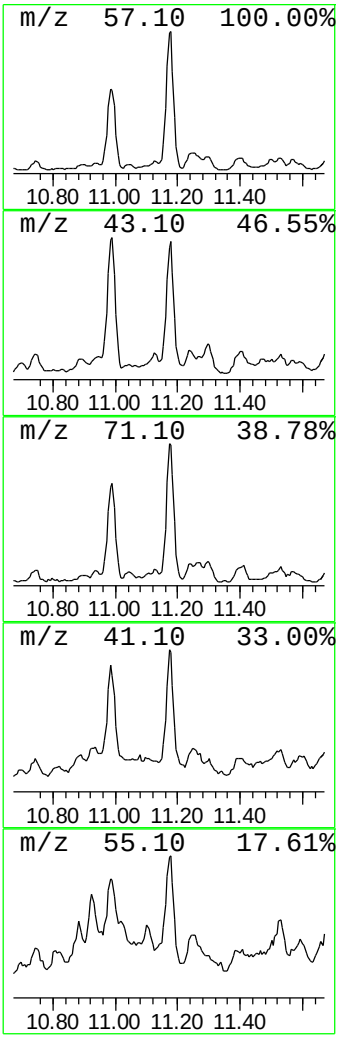
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	32.24 ng/ul	5138470	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	81
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	62
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	53
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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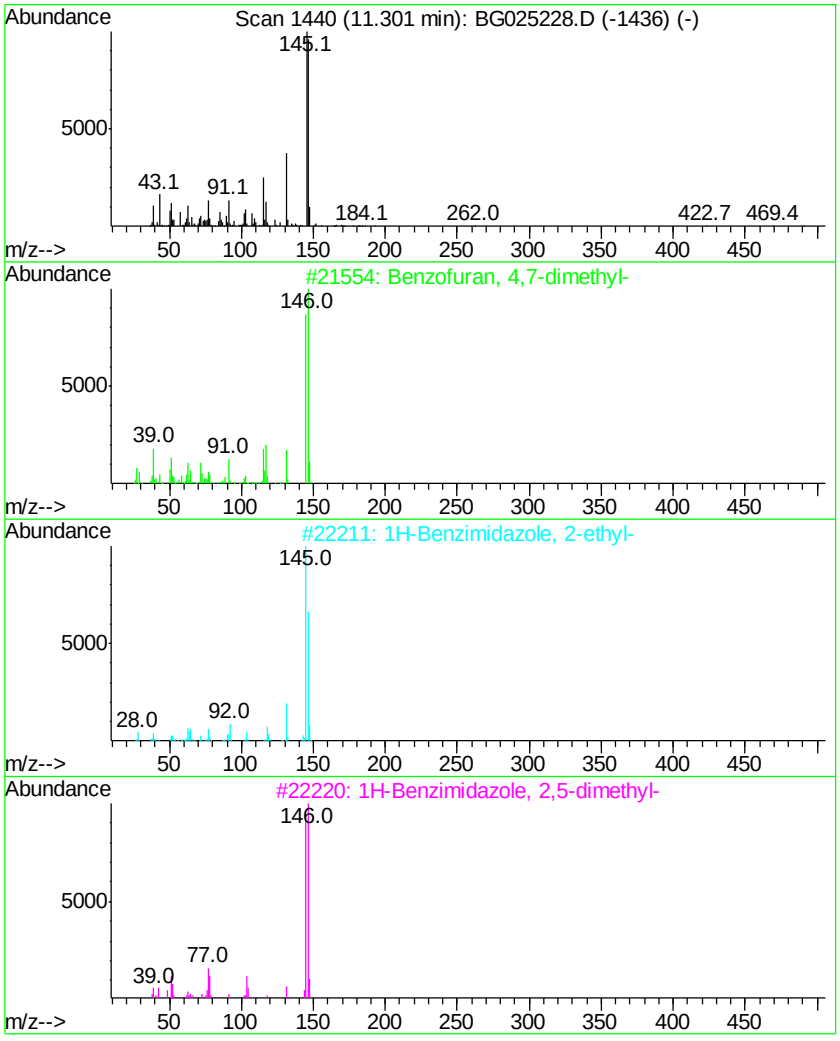
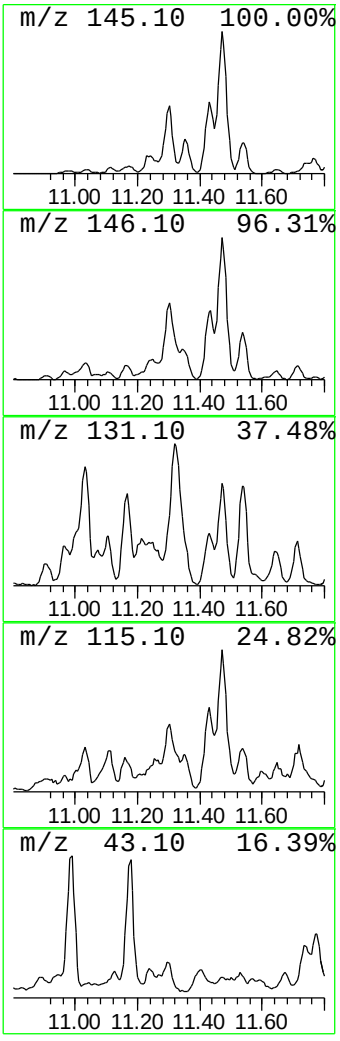
Peak Number 9 Benzofuran, 4,7-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	25.90 ng/ul	4128120	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	72
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
3	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	59
4	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	53
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	47





Library Search Compound Report

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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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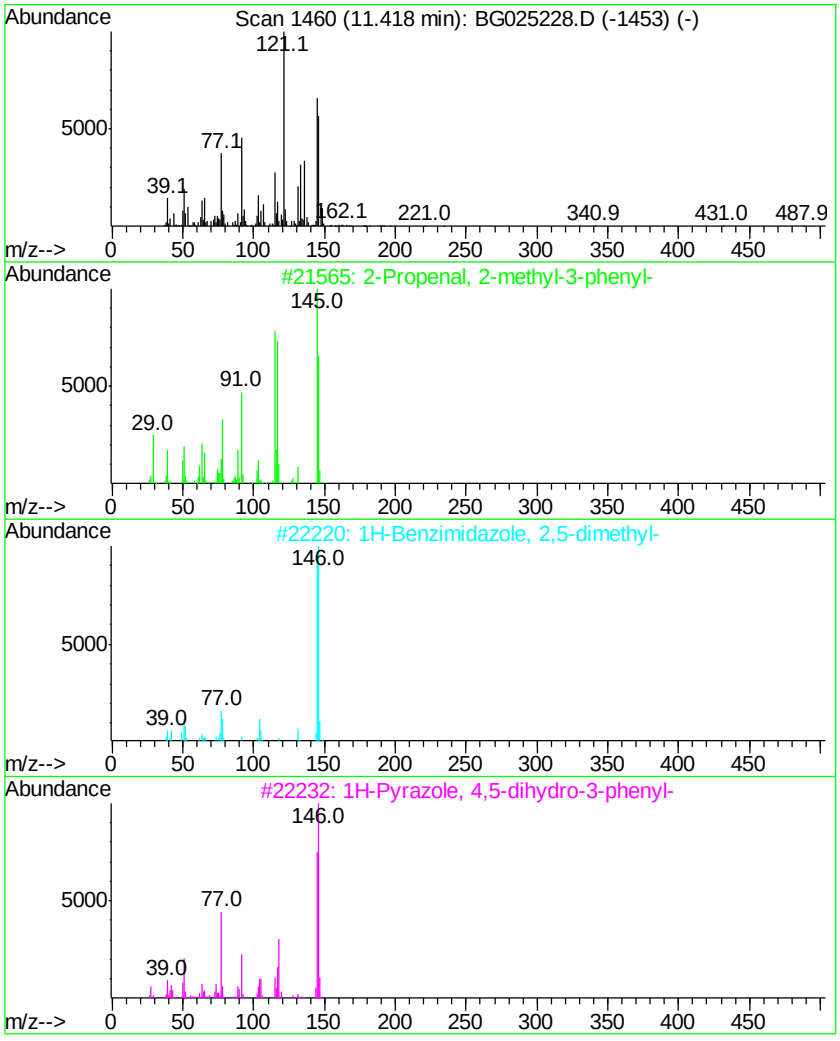
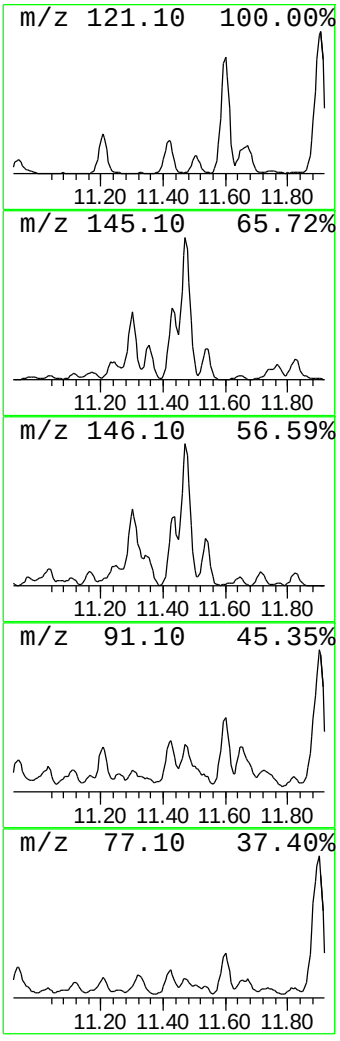
Peak Number 10 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	30.25 ng/ul	4822040	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	45
2	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	38
3	1H-Pyrazole, 4,5-dihydro-3-phenyl-	146	C9H10N2	000936-48-1	38
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	35
5	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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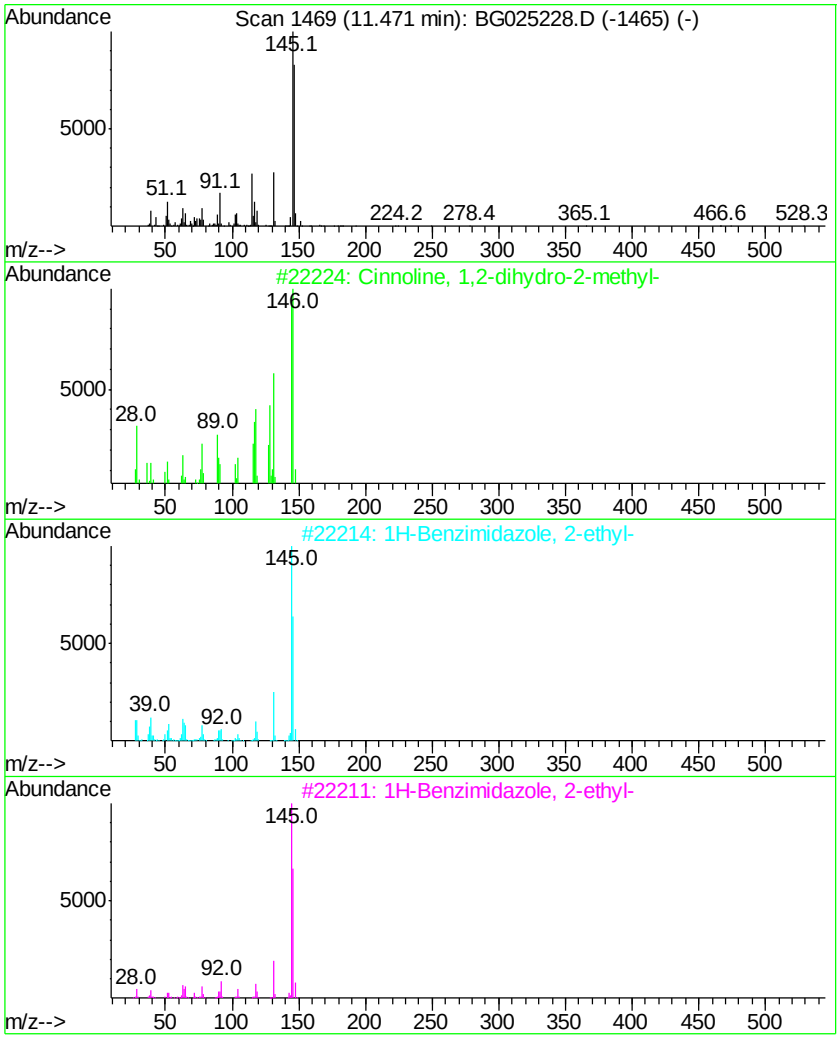
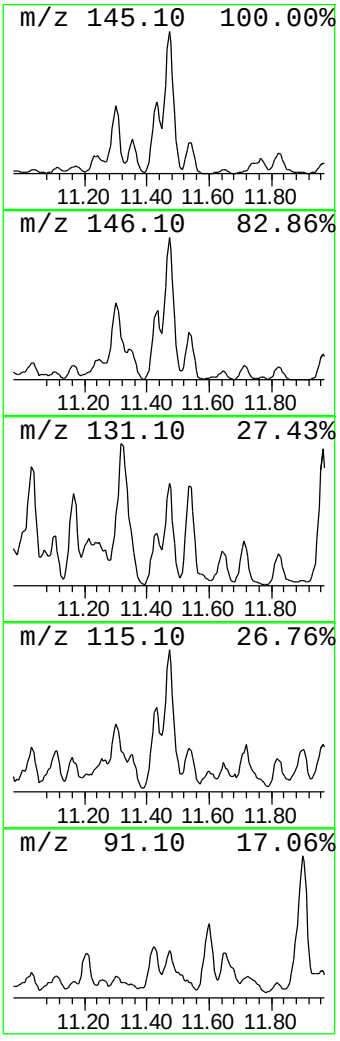
Peak Number 11 Cinnoline, 1,2-dihydro-2-me... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	23.38 ng/ul	3726180	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	72
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	72
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	1H-Pyrazole, 4,5-dihydro-3-phenyl-	146	C9H10N2	000936-48-1	52





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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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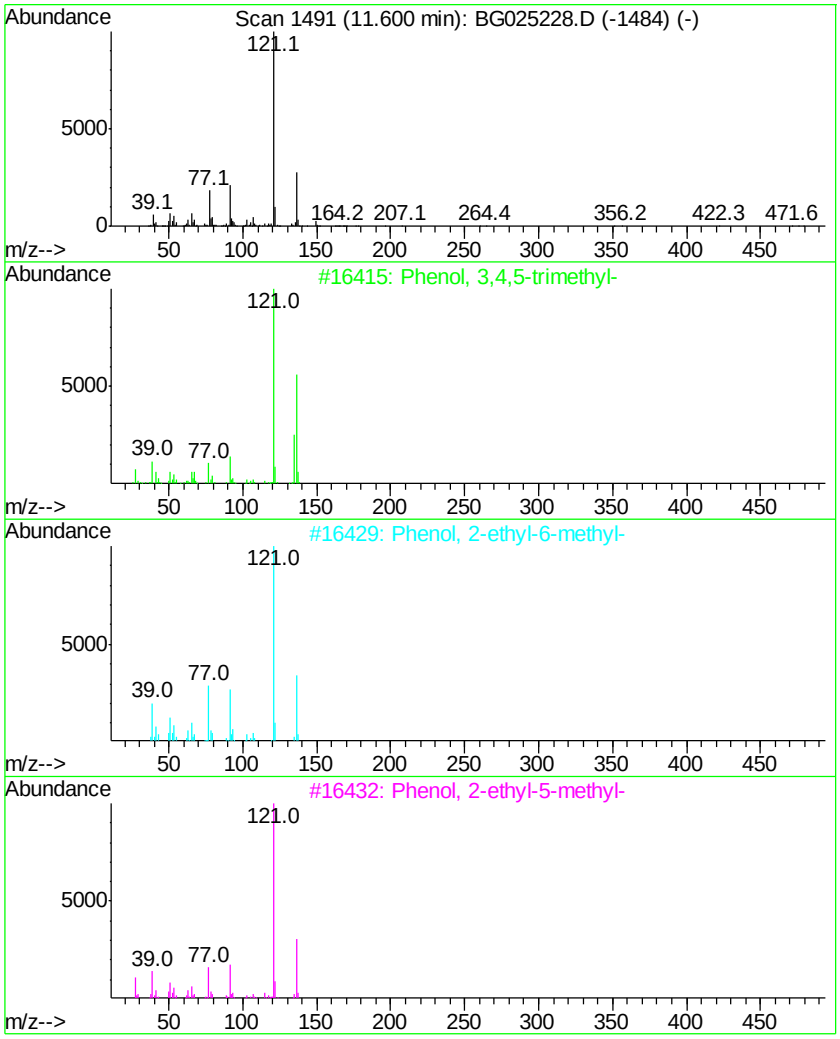
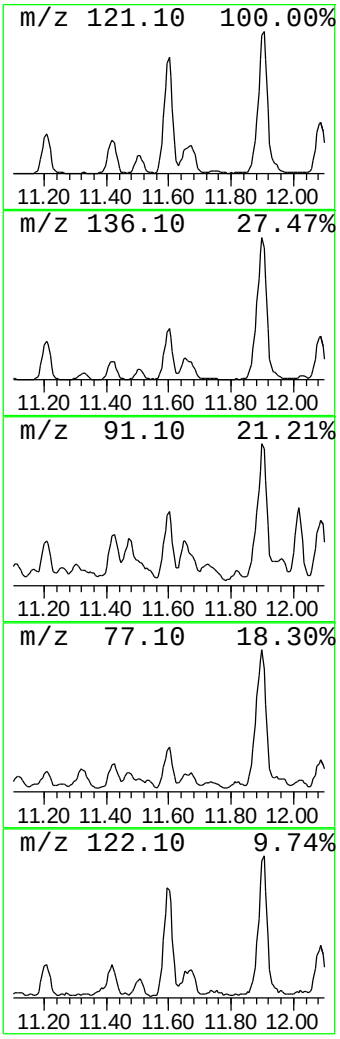
Peak Number 12 Phenol, 3,4,5-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	29.65 ng/ul	4725960	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	91
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	91
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	91
4	Phenol, 4-ethyl-3-methyl-	136	C9H12O	001123-94-0	90
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	87





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Acq On : 16 Dec 2016 1:50
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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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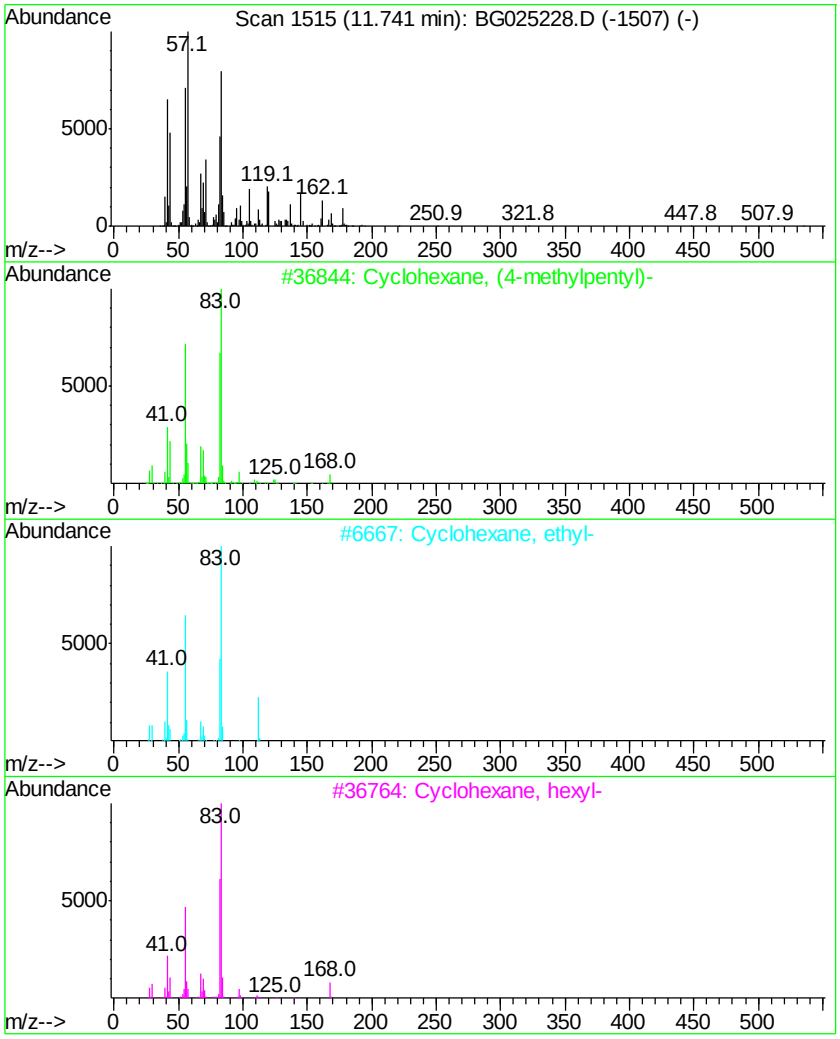
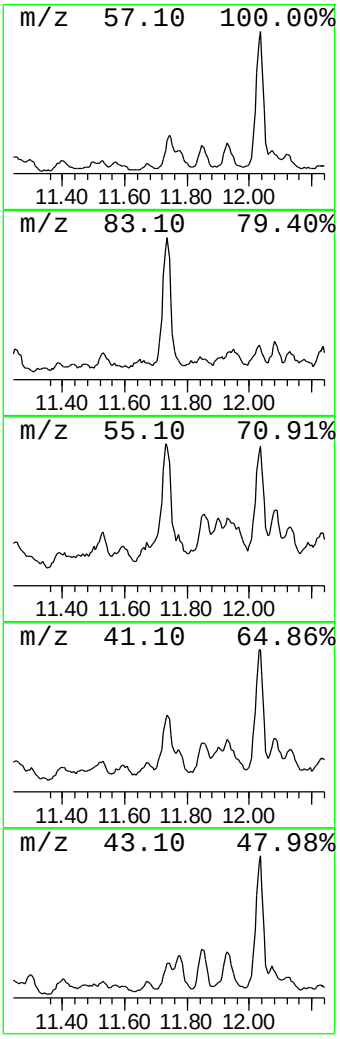
Peak Number 13 (DEL) Alkane: Cyclic11.74 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	40.12 ng/ul	6394320	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43





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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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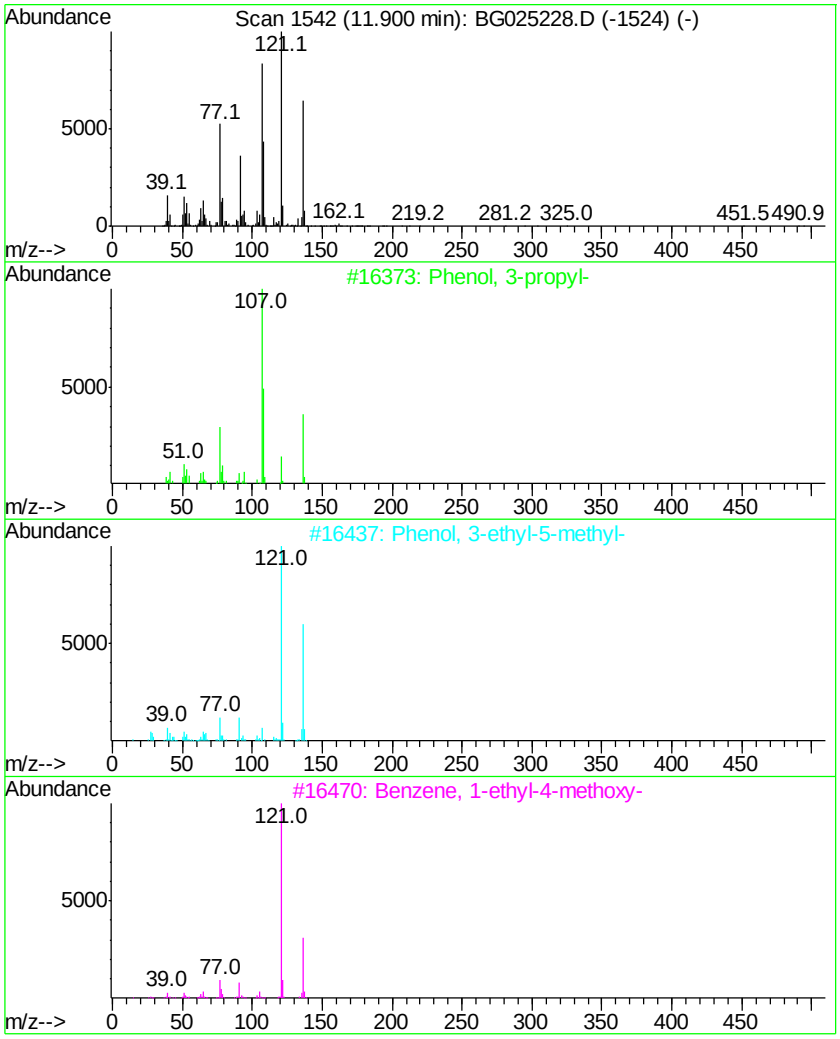
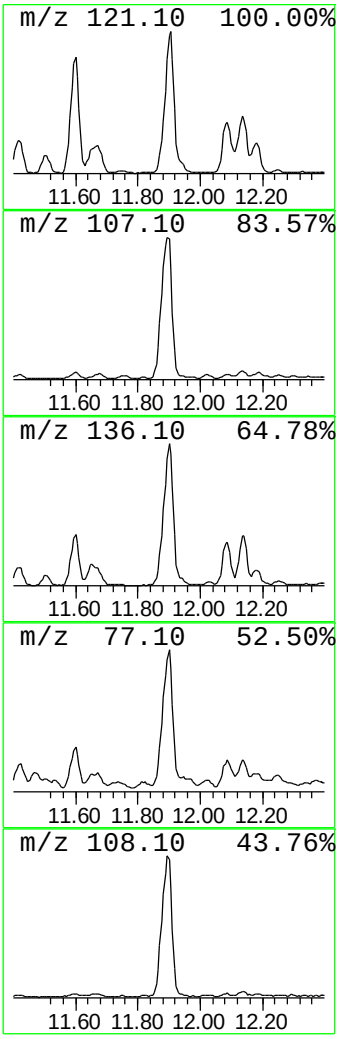
Peak Number 14 Phenol, 3-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	128.11 ng/ul	20418900	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-propyl-	136	C9H12O	000621-27-2	62
2	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	60
3	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	49
4	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	46
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	46





Library Search Compound Report

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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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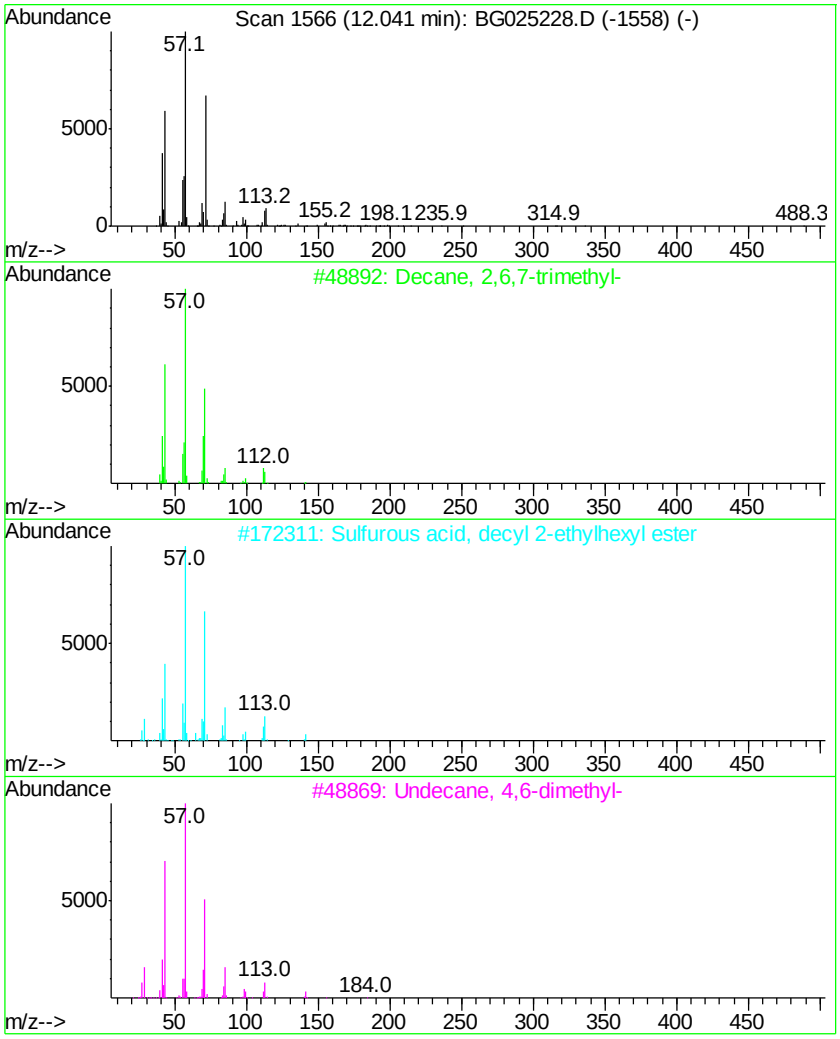
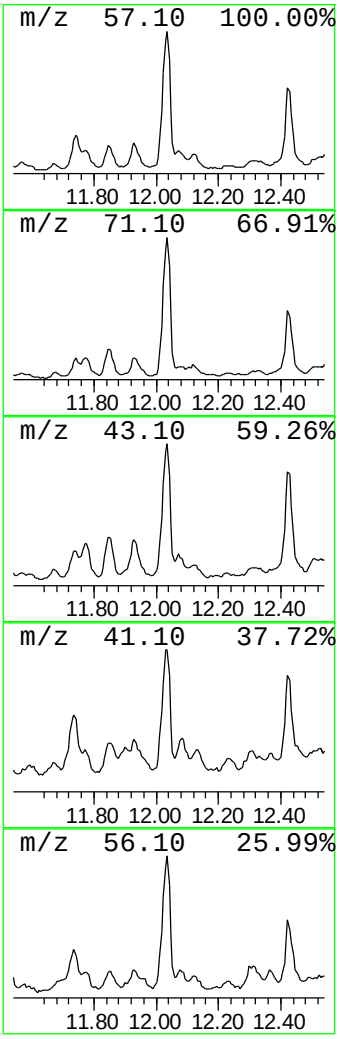
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	43.34 ng/ul	6907890	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	80
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	80
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78





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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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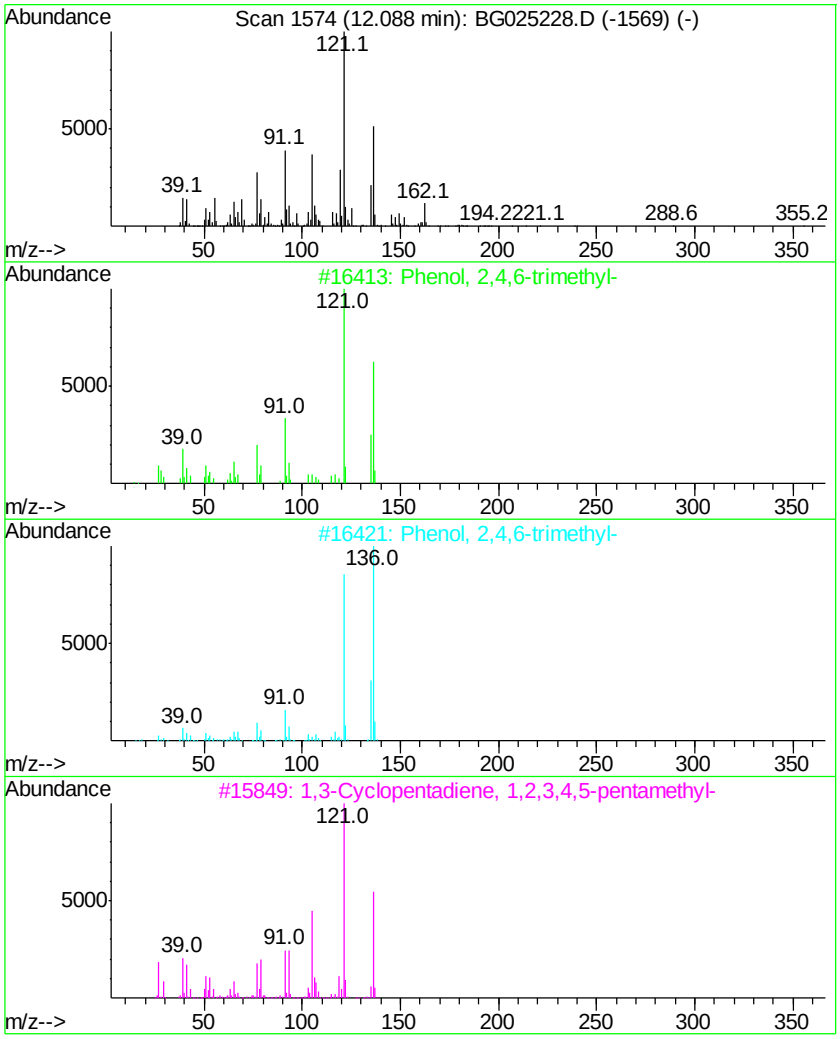
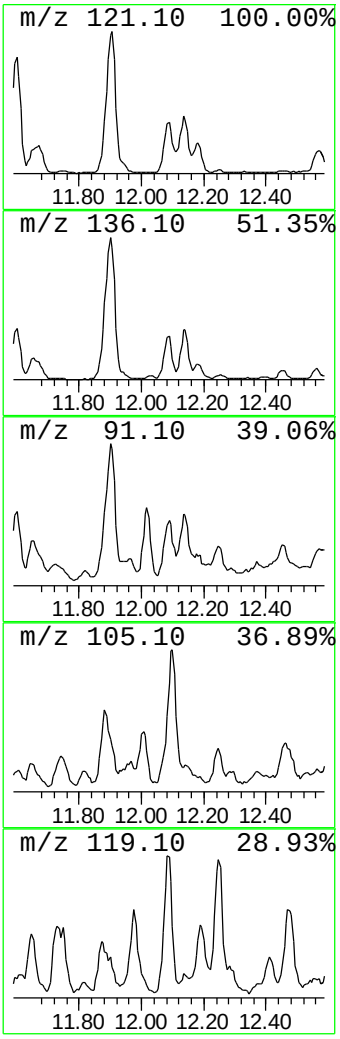
Peak Number 16 Phenol, 2,4,6-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	28.34 ng/ul	4516750	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	96
2	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	86
3	1,3-Cyclopentadiene, 1,2,3,4,5-p...	136	C10H16	004045-44-7	76
4	Bicyclo[3.1.0]hex-2-ene, 4,4,6,6...	136	C10H16	019487-09-3	76
5	1,3-Cyclohexadiene, 1,3,5,5-tetr...	136	C10H16	004724-89-4	74





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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

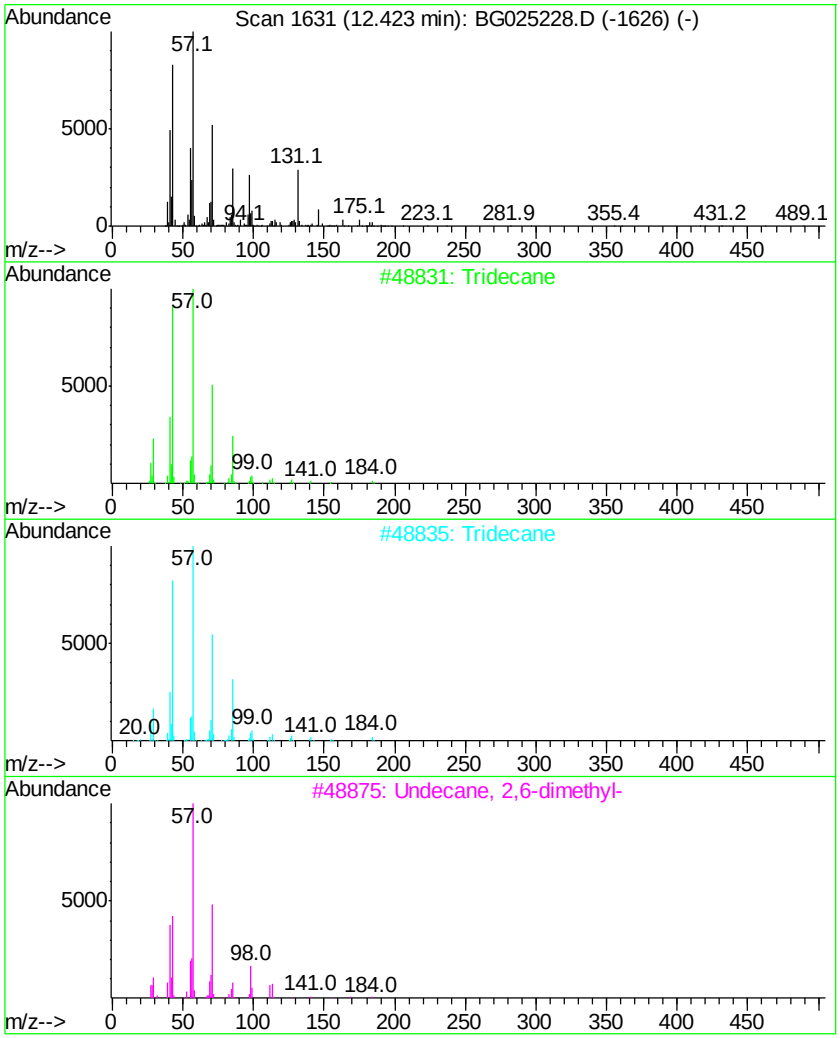
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

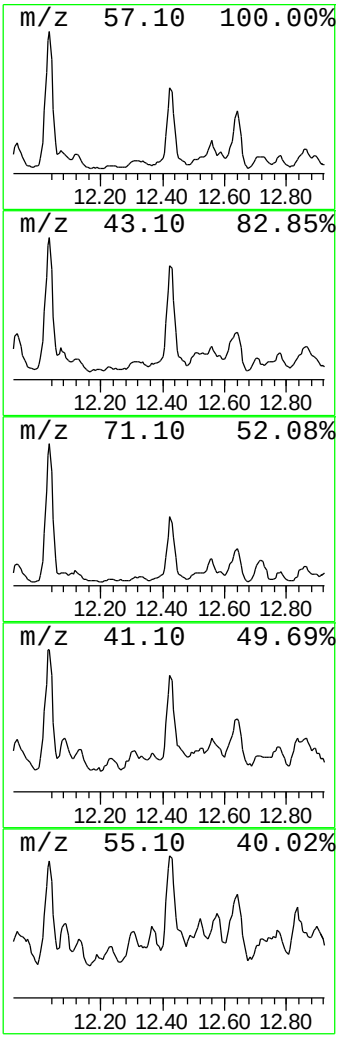
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	34.25 ng/ul	5458510	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane	184	C13H28	000629-50-5	78
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	55
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	52
5	Tetradecane	198	C14H30	000629-59-4	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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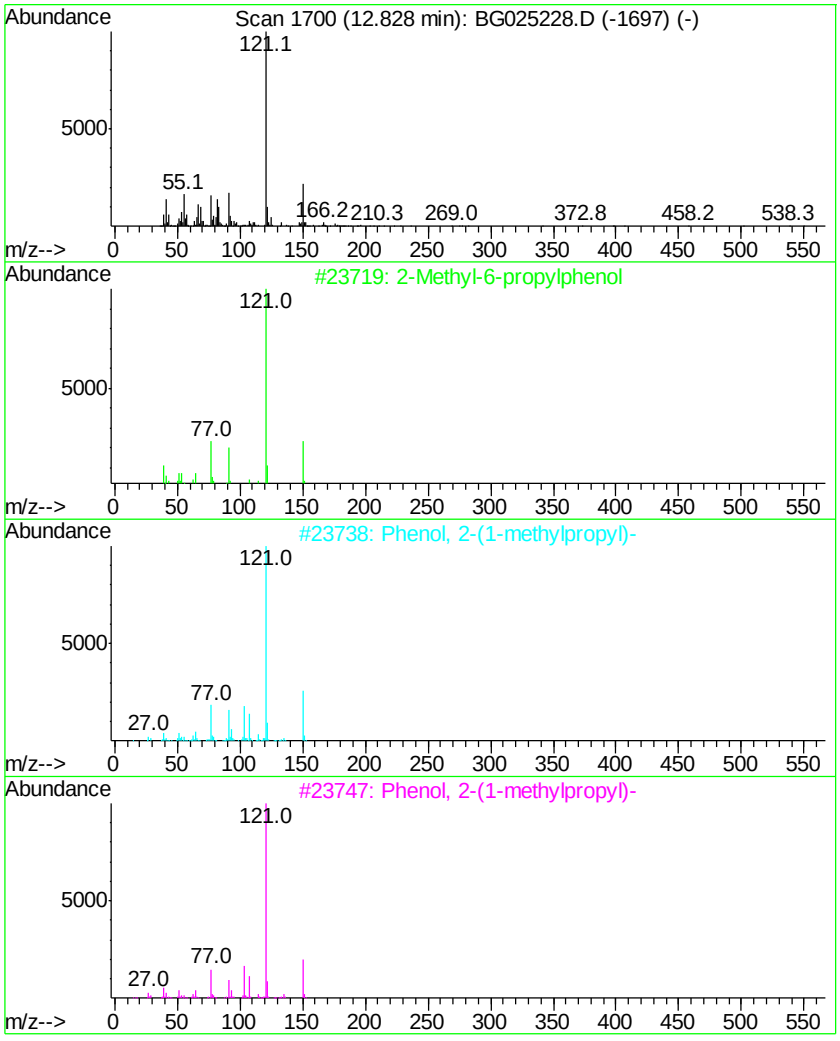
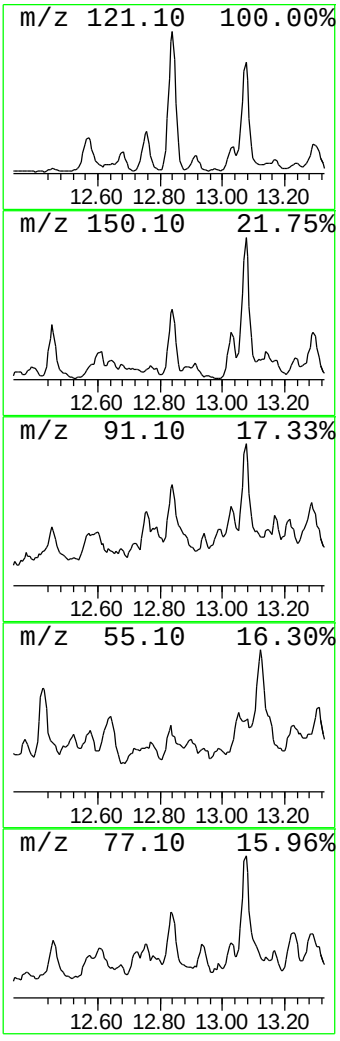
Peak Number 19 2-Methyl-6-propylphenol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	40.40 ng/ul	6438780	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-6-propylphenol	150	C10H14O	003520-52-3	74
2	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	64
3	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	64
4	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	64
5	(4-Methoxy-benzyl)-phenethyl-amine	241	C16H19NO	1000300-71-3	64





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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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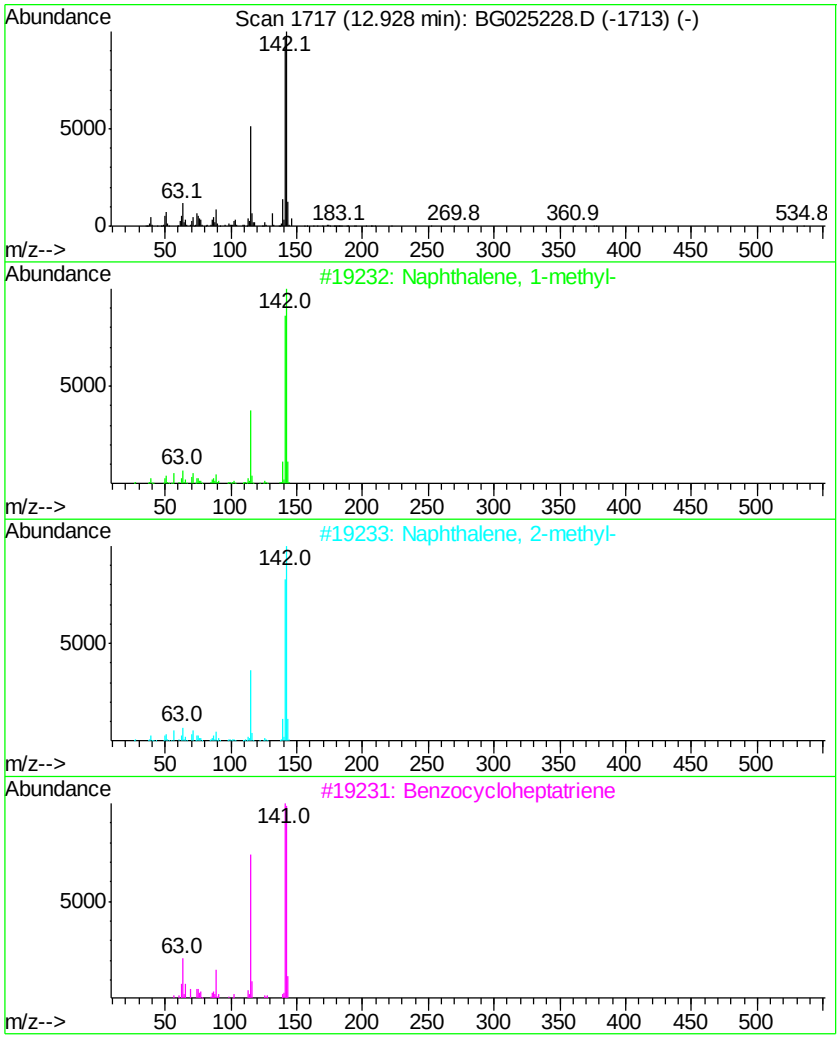
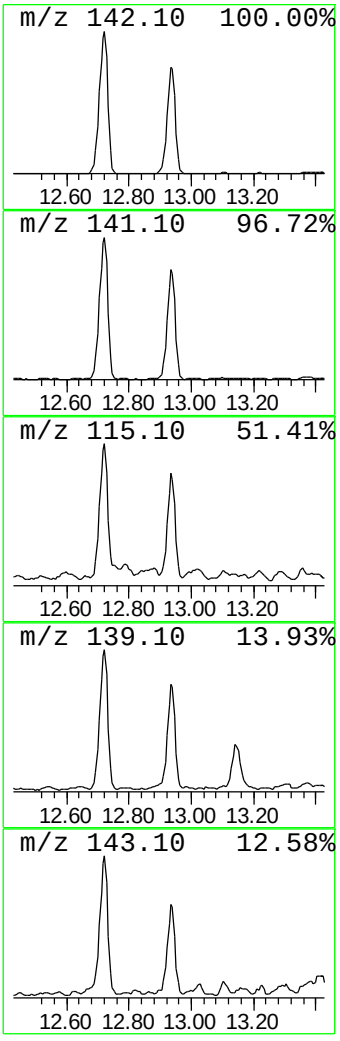
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	53.46 ng/ul	8520020	Naphthalene-d8	11.07

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	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93





Library Search Compound Report

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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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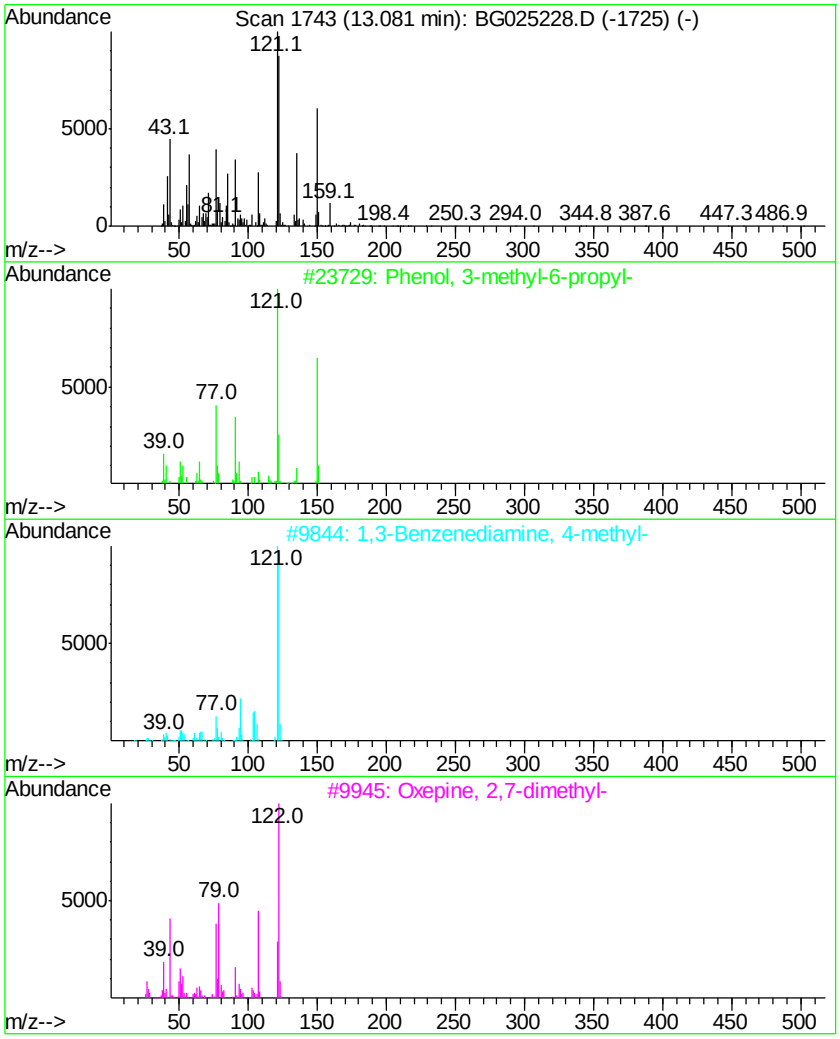
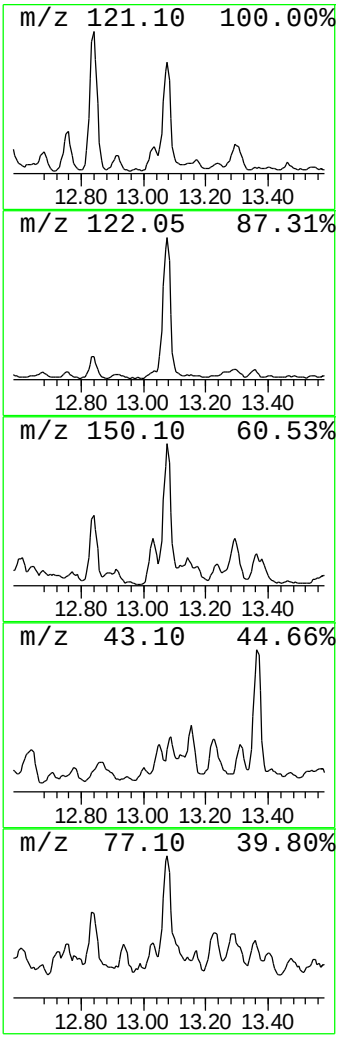
Peak Number 21 Phenol, 3-methyl-6-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	52.33 ng/ul	13304900	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-methyl-6-propyl-	150	C10H14O	031143-55-2	60
2	1,3-Benzenediamine, 4-methyl-	122	C7H10N2	000095-80-7	43
3	Oxepine, 2,7-dimethyl-	122	C8H10O	001487-99-6	38
4	Benzaldehyde, 4-ethoxy-	150	C9H10O2	010031-82-0	38
5	3-Pyridinamine, N,N-dimethyl-	122	C7H10N2	018437-57-5	38





Library Search Compound Report

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Data File : BG025228.D
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Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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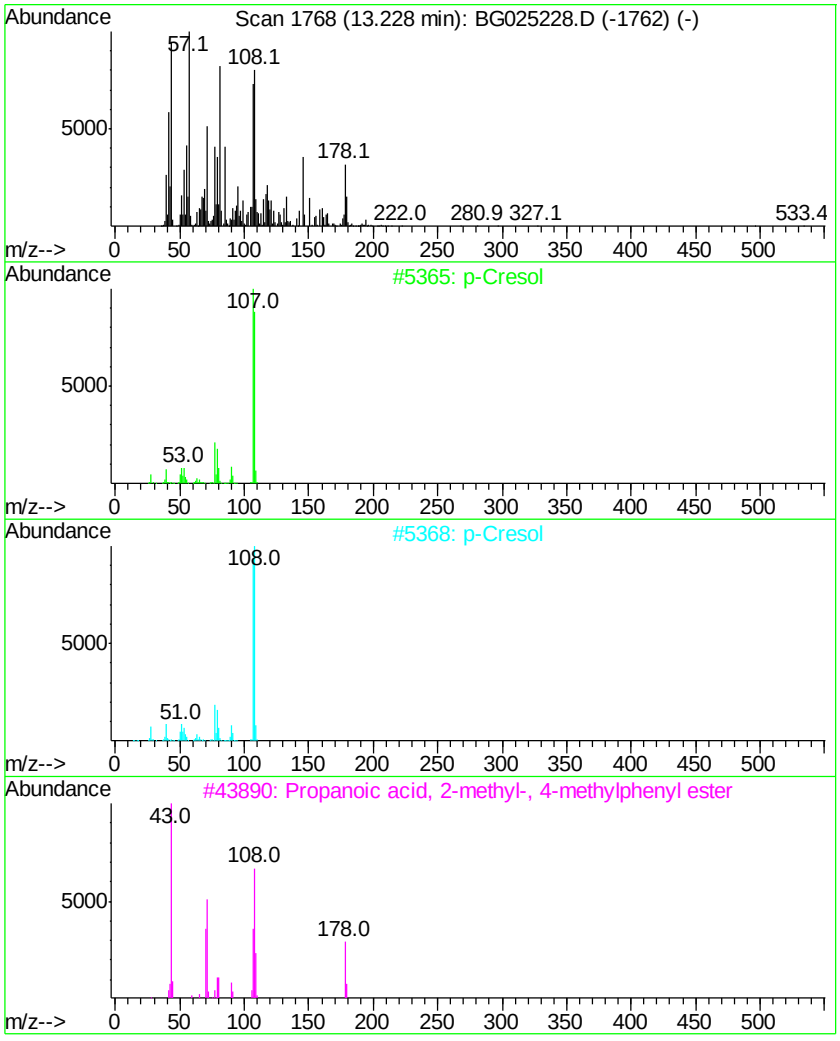
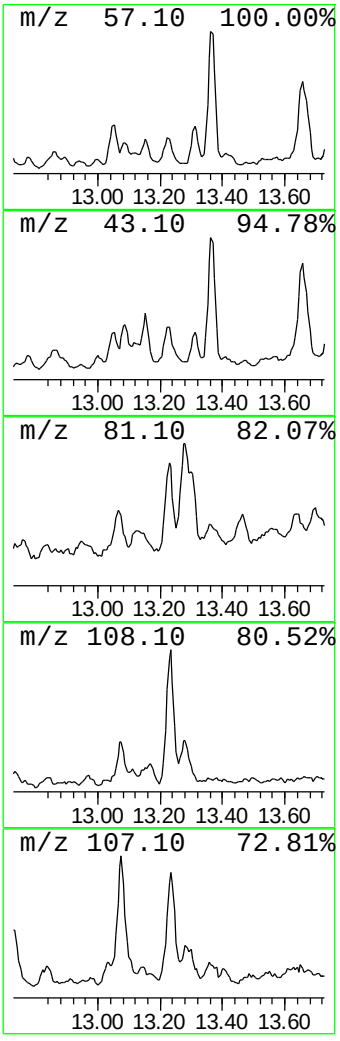
Peak Number 22 unknown-03 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	19.70 ng/ul	5008400	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cresol	108	C7H8O	000106-44-5	38
2	p-Cresol	108	C7H8O	000106-44-5	38
3	Propanoic acid, 2-methyl-, 4-met...	178	C11H14O2	000103-93-5	30
4	Phenol, 3-methyl-	108	C7H8O	000108-39-4	30
5	Phenol, 3-methyl-	108	C7H8O	000108-39-4	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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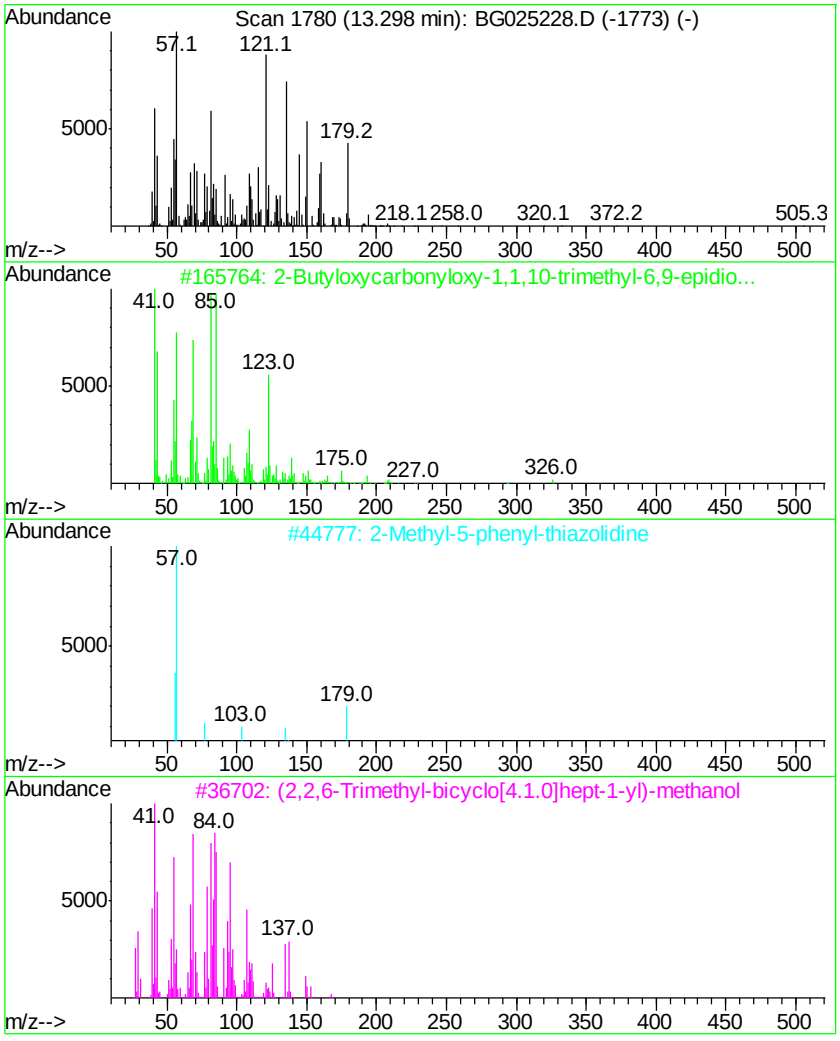
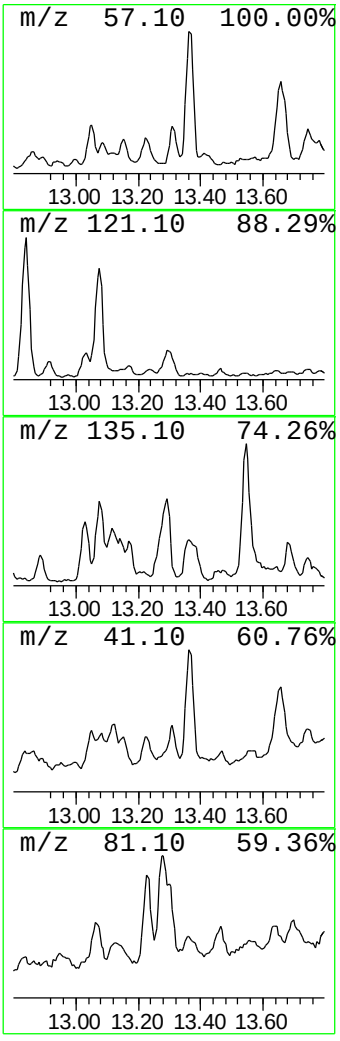
Peak Number 23 unknown-04 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	28.23 ng/ul	7178970	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyloxycarbonyloxy-1,1,10-tri...	326	C18H30O5	108533-24-0	10
2	2-Methyl-5-phenyl-thiazolidine	179	C10H13NS	1000143-88-8	10
3	(2,2,6-Trimethyl-bicyclo[4.1.0]h...	168	C11H20O	078996-11-9	9
4	1-(Cyclopropyl-nitro-methyl)-cyc...	185	C9H15NO3	1000186-67-0	9
5	2-Butanone, 1-bromo-3,3-dimethyl-	178	C6H11BrO	005469-26-1	9





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Acq On : 16 Dec 2016 1:50
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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

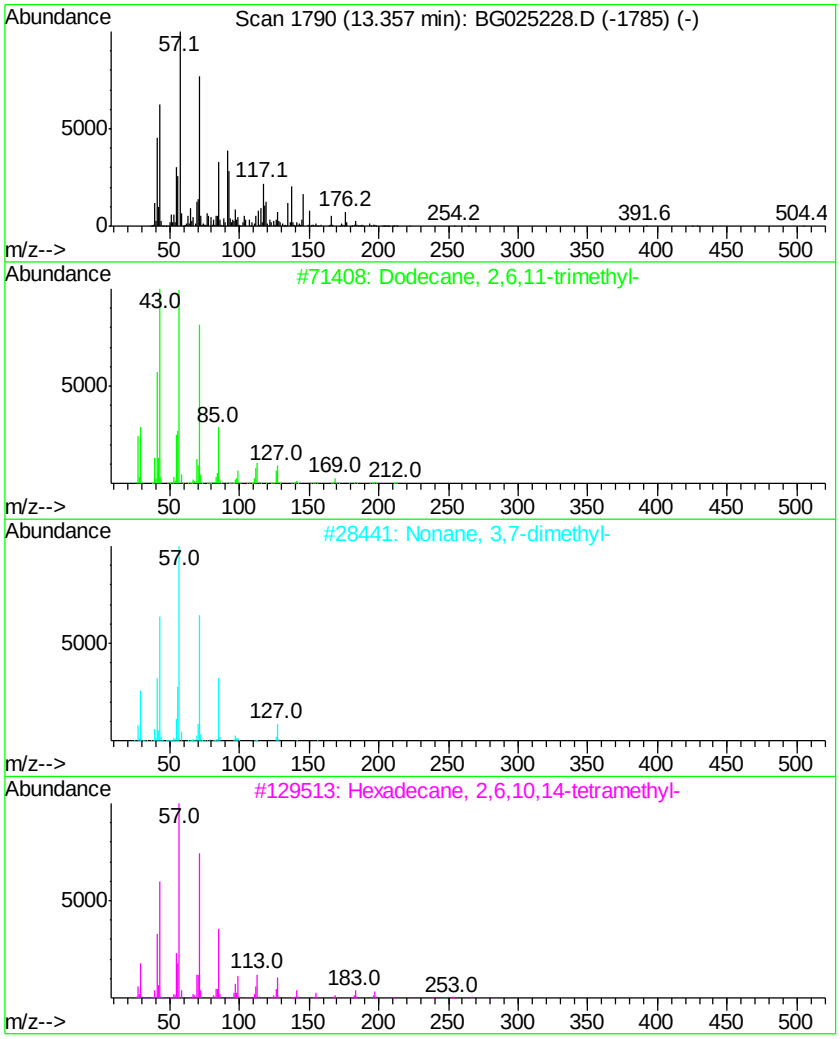
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

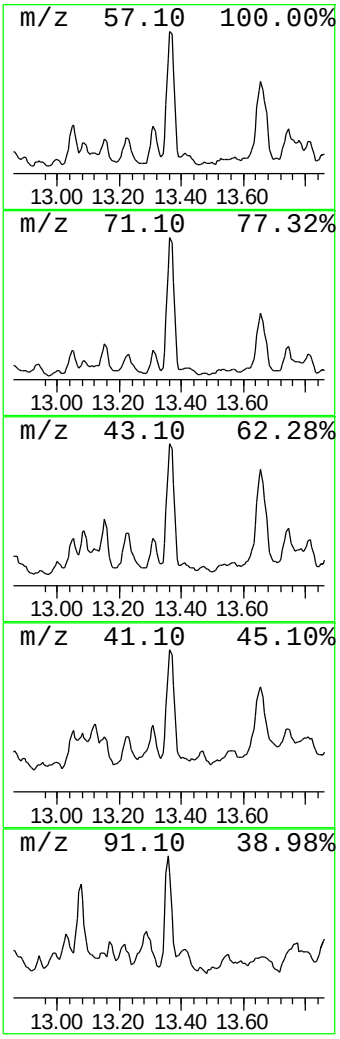
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	58.21 ng/ul	14801000	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53





Library Search Compound Report

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Acq On : 16 Dec 2016 1:50
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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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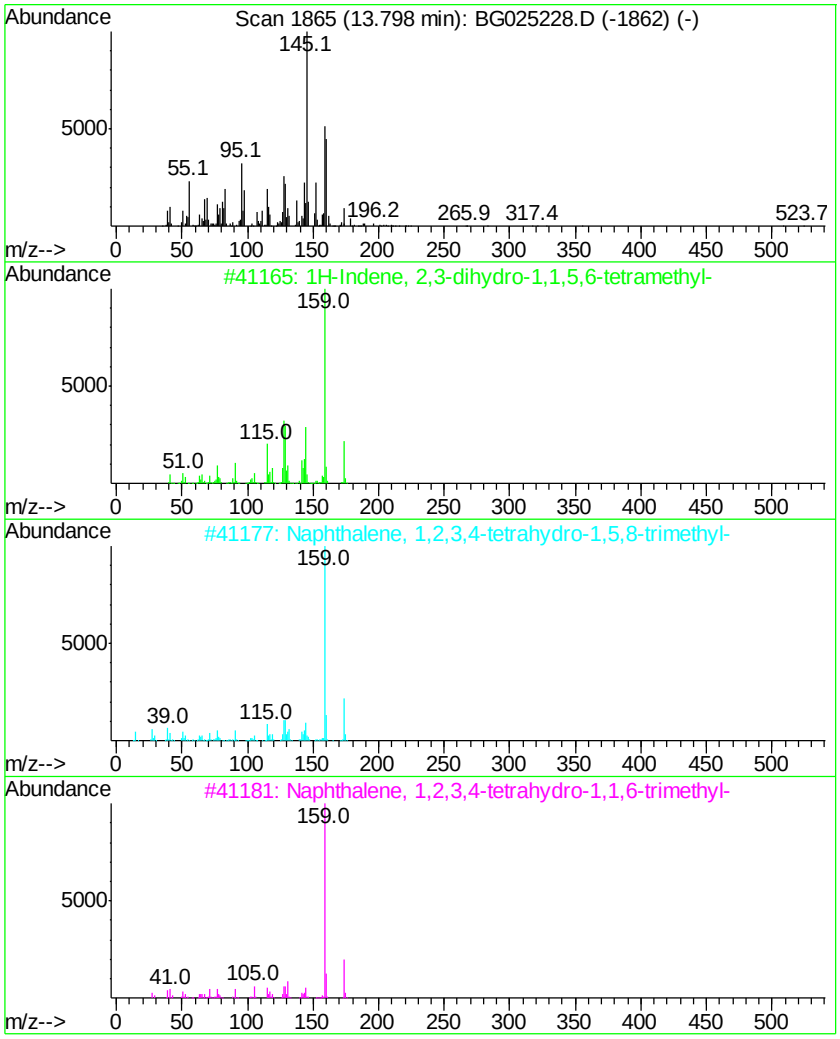
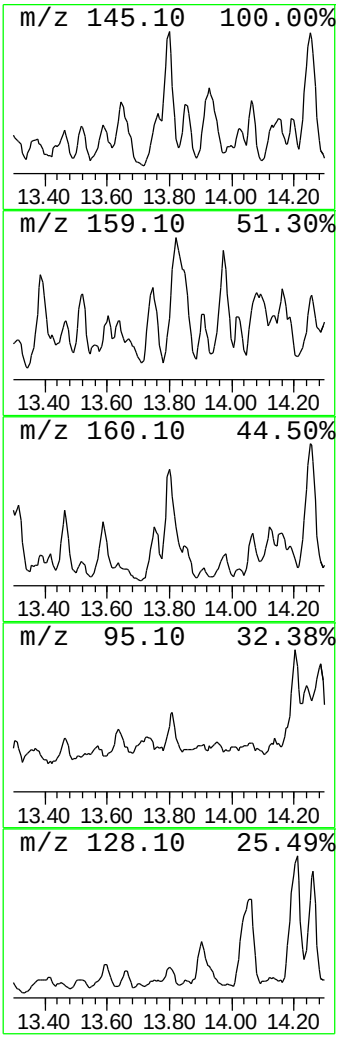
Peak Number 25 unknown-05 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	13.03 ng/ul	3313220	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	30
4	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	30
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	30





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Acq On : 16 Dec 2016 1:50
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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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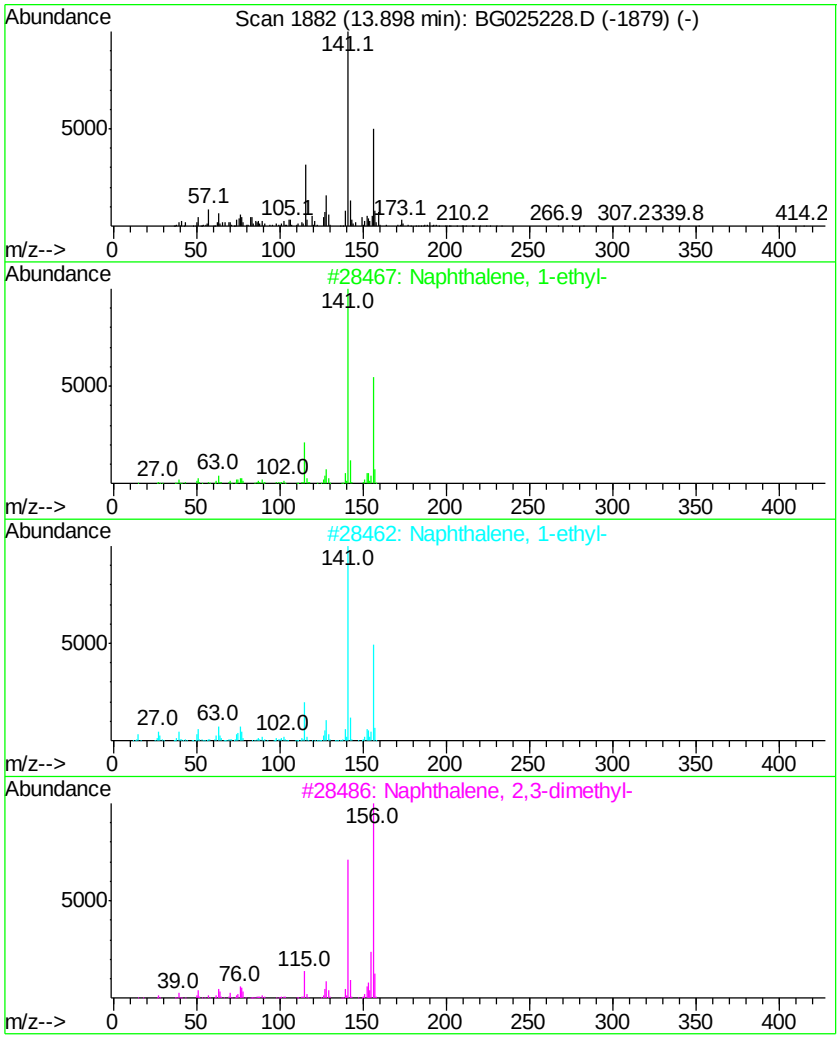
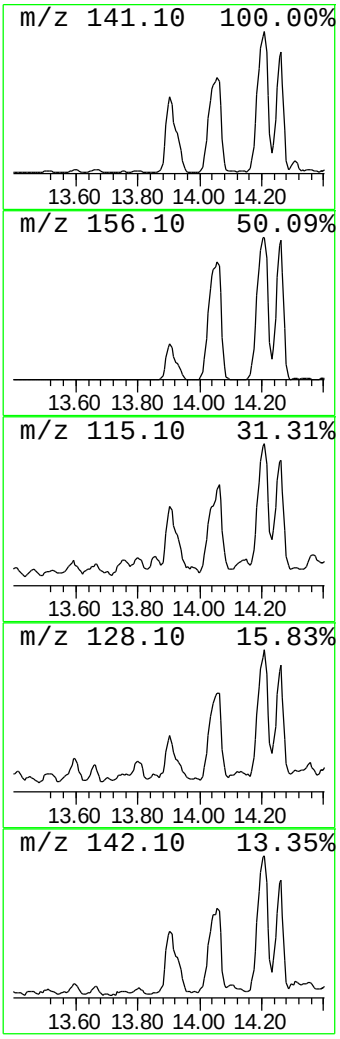
Peak Number 26 Naphthalene, 1-ethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	23.54 ng/ul	5985250	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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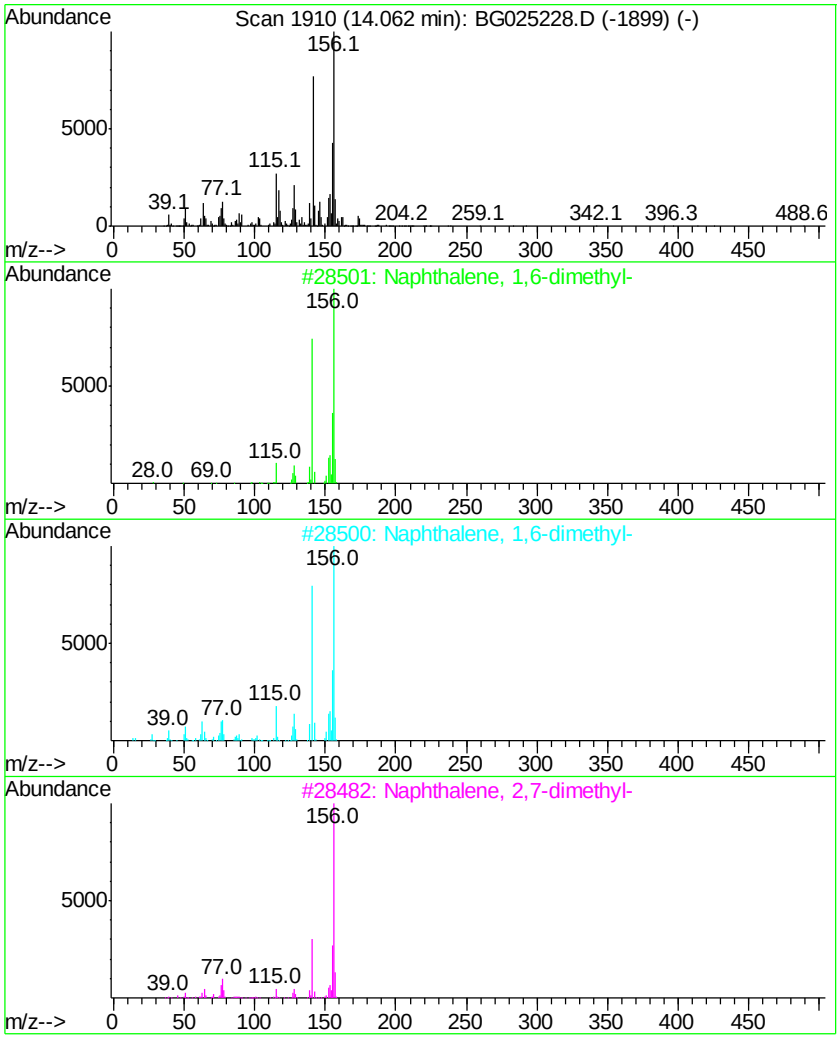
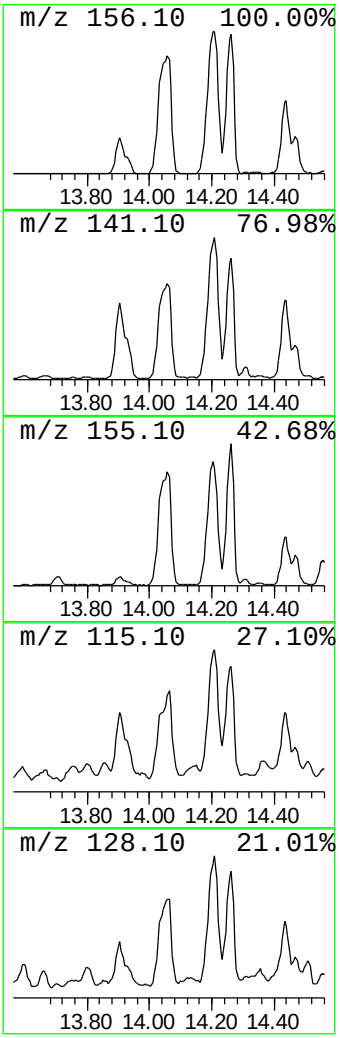
Peak Number 27 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	94.16 ng/ul	23942300	Acenaphthene-d10	14.87

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, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 28 1H-Phenalen-1-one Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	20.62 ng/ul	5243300	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
2	Piperonyl alcohol	152	C8H8O3	000495-76-1	49
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
4	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	43
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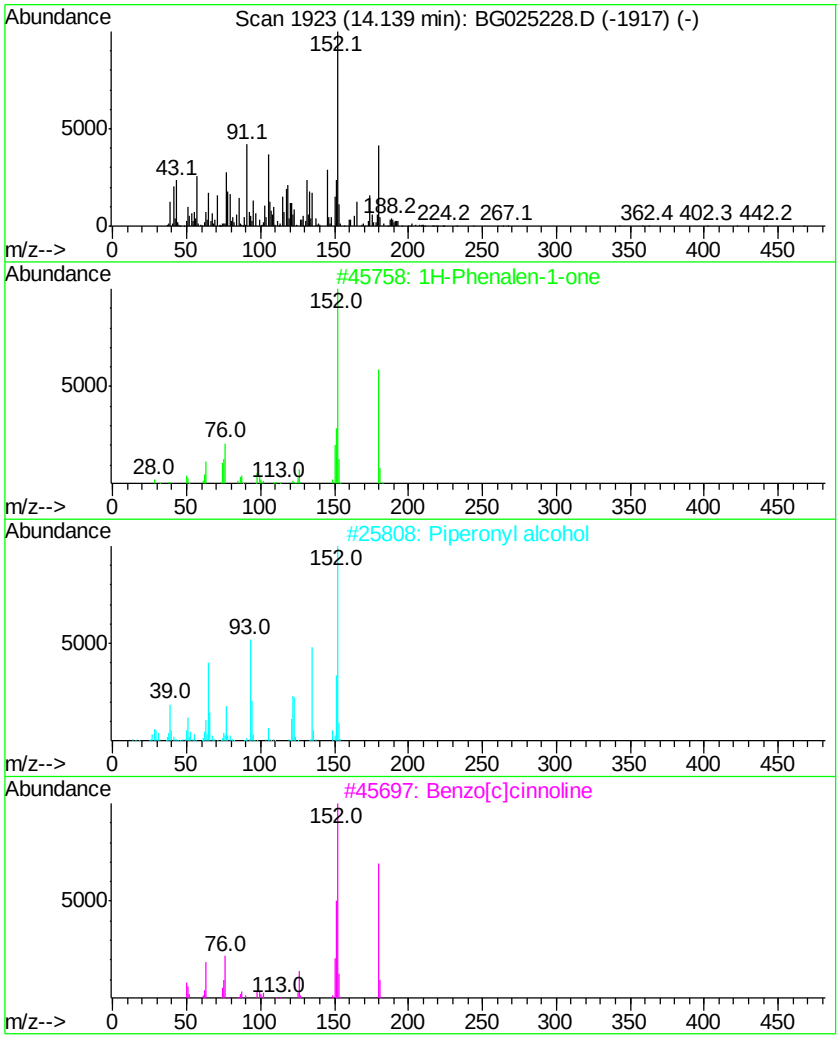

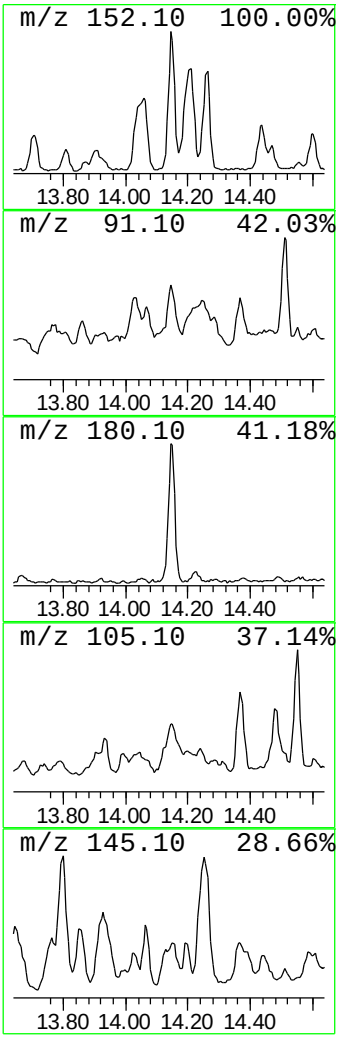

Library Search Compound Report

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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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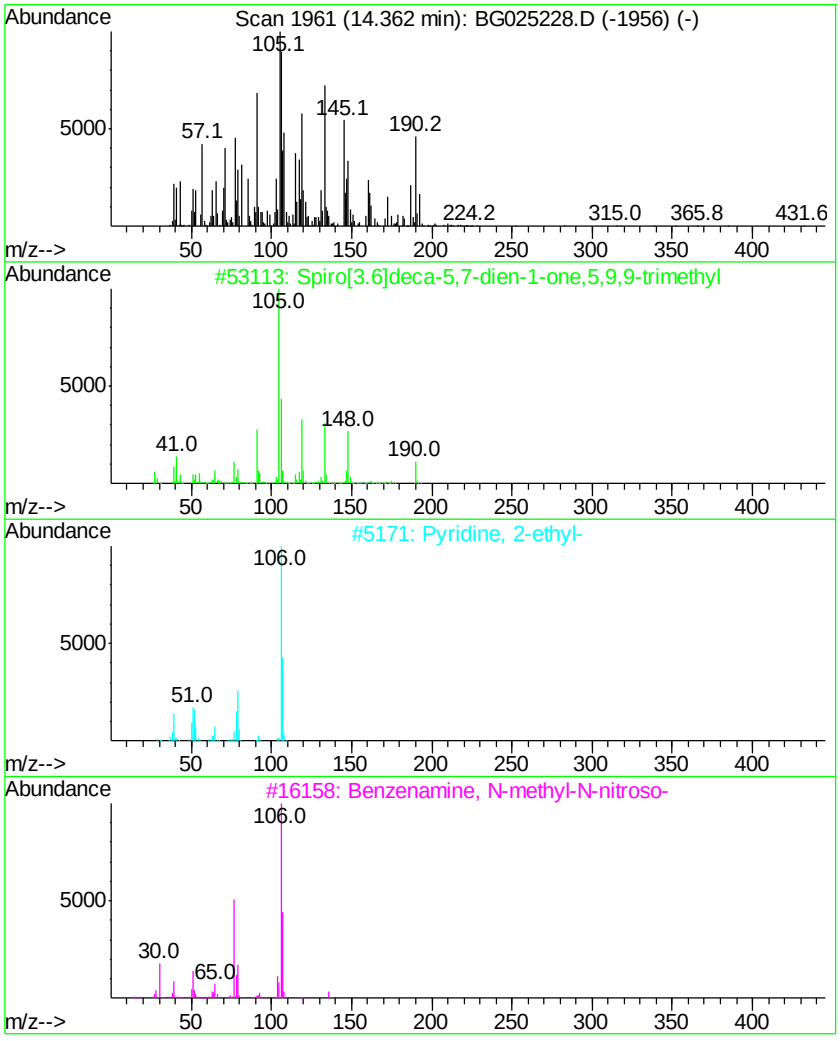
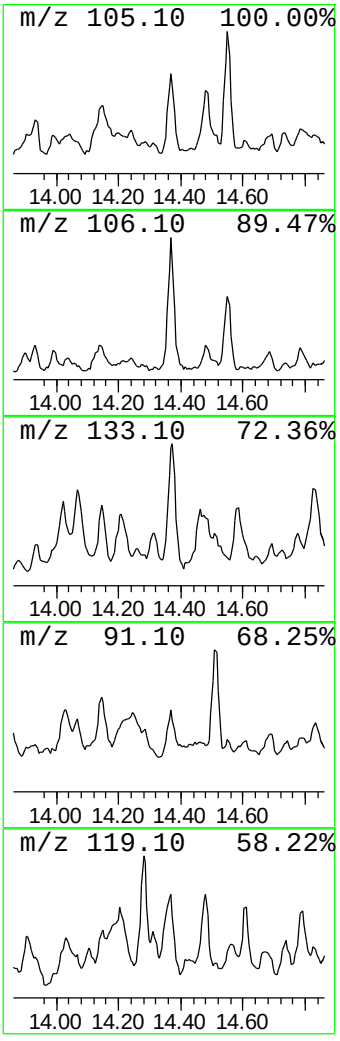
Peak Number 30 unknown-06 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	17.90 ng/ul	4551750	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.6]deca-5,7-dien-1-one,5,...	190	C13H18O	081532-19-6	43
2	Pyridine, 2-ethyl-	107	C7H9N	000100-71-0	25
3	Benzenamine, N-methyl-N-nitroso-	136	C7H8N2O	000614-00-6	25
4	Pyridine, 2-ethyl-	107	C7H9N	000100-71-0	22
5	Pyridine, 2-ethyl-	107	C7H9N	000100-71-0	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

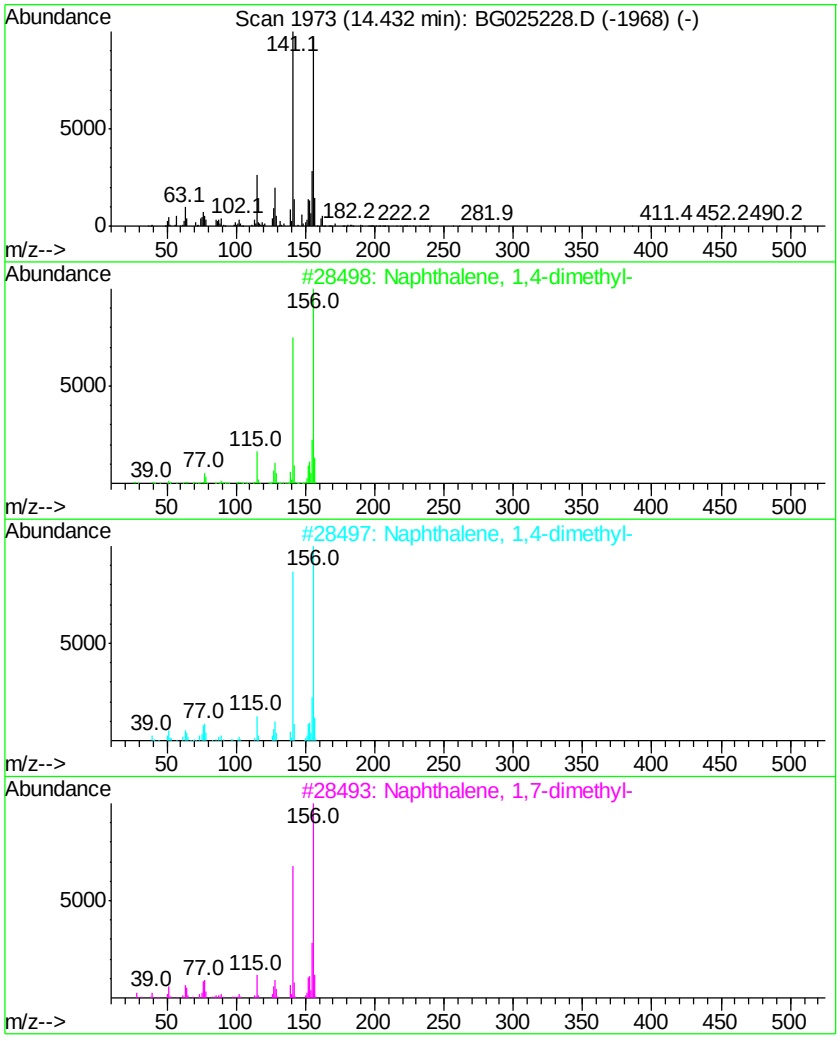
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

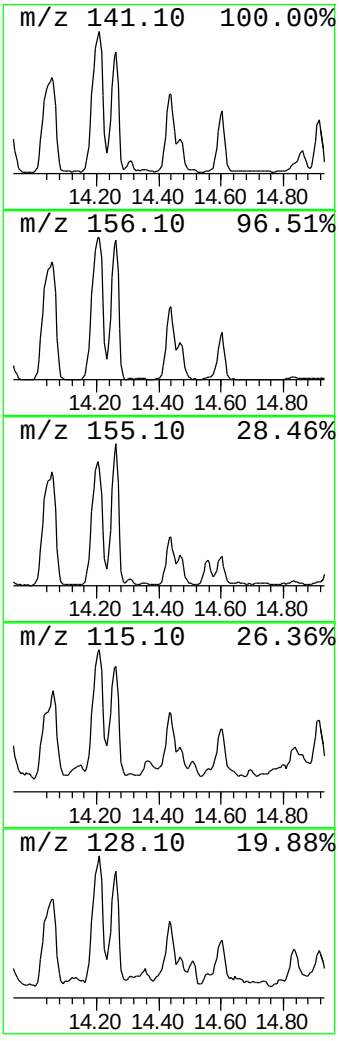
****

Peak Number 31 Naphthalene, 1,4-dimethyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	17.72 ng/ul	4505280	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

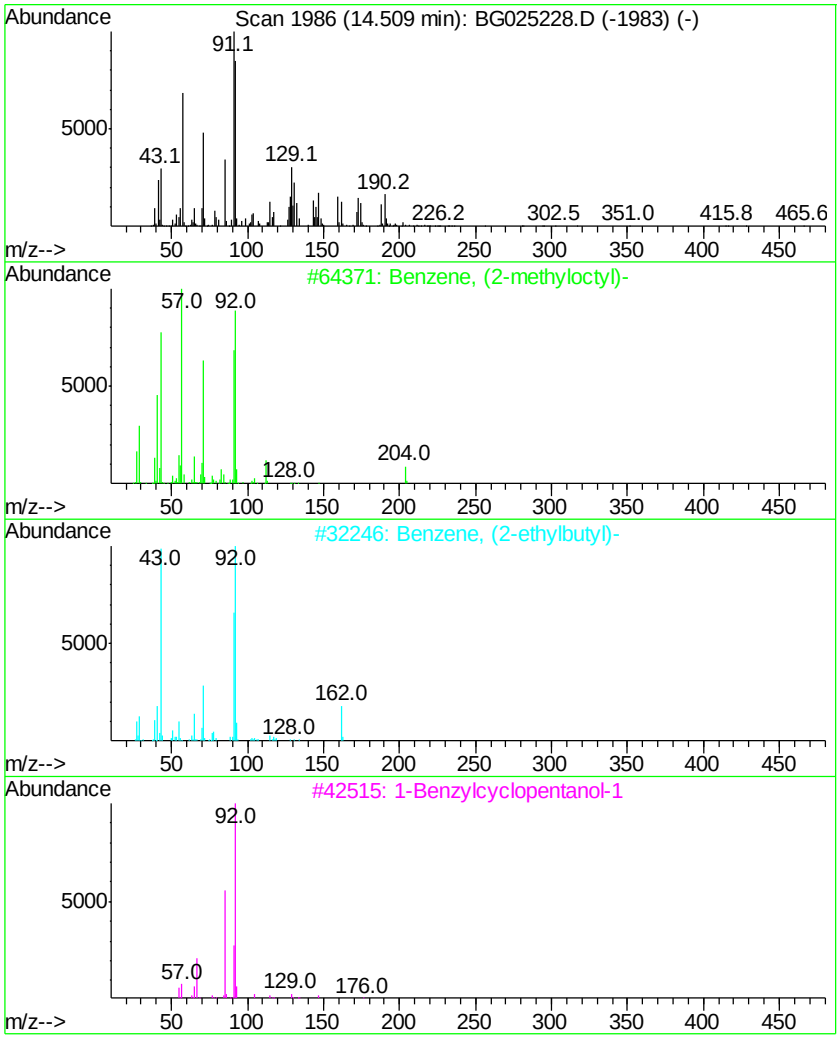
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

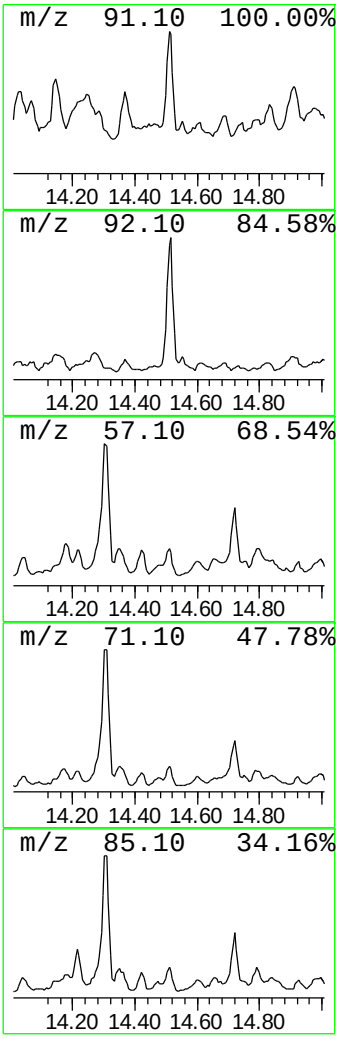
****

Peak Number 32 unknown-07 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	16.74 ng/ul	4256130	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyloctyl)-	204	C15H24	049826-80-4	38
2	Benzene, (2-ethylbutyl)-	162	C12H18	019219-85-3	35
3	1-Benzylcyclopentanol-1	176	C12H16O	002015-57-8	35
4	Benzene, octyl-	190	C14H22	002189-60-8	30
5	Benzene, octyl-	190	C14H22	002189-60-8	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

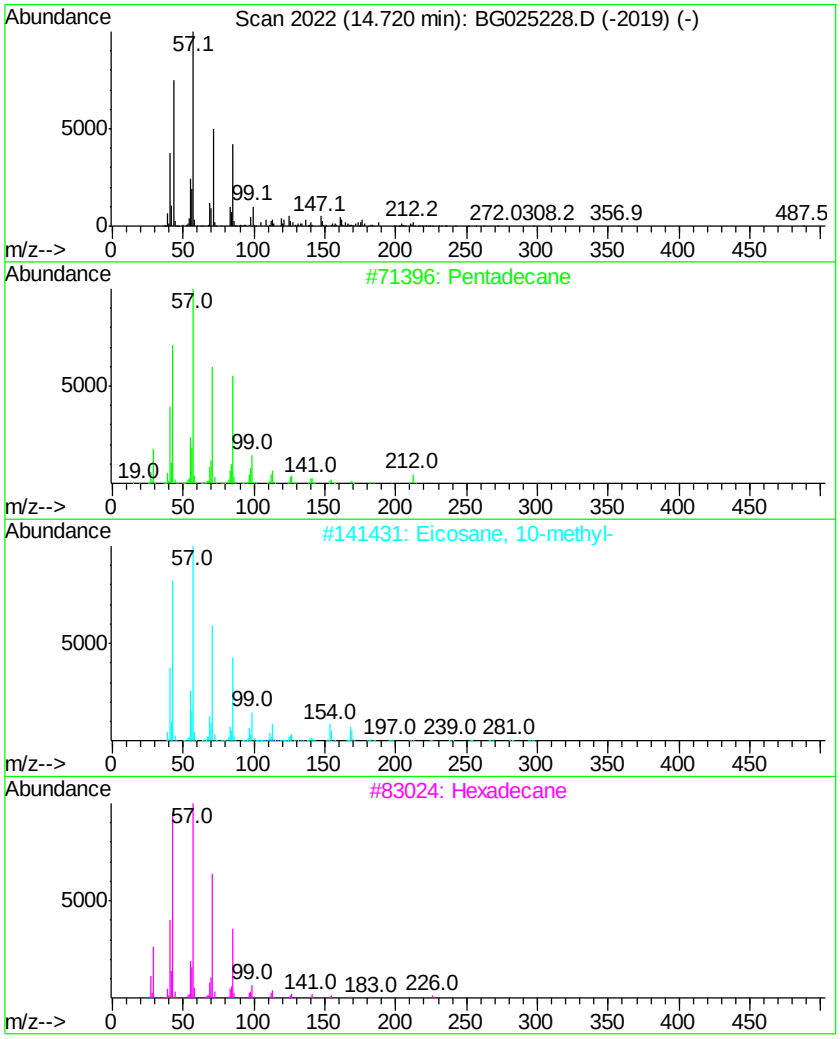
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

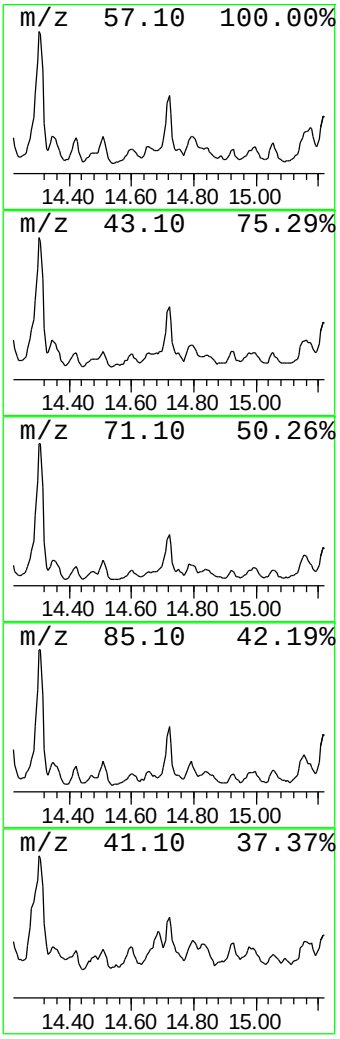
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	18.22 ng/ul	4632140	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

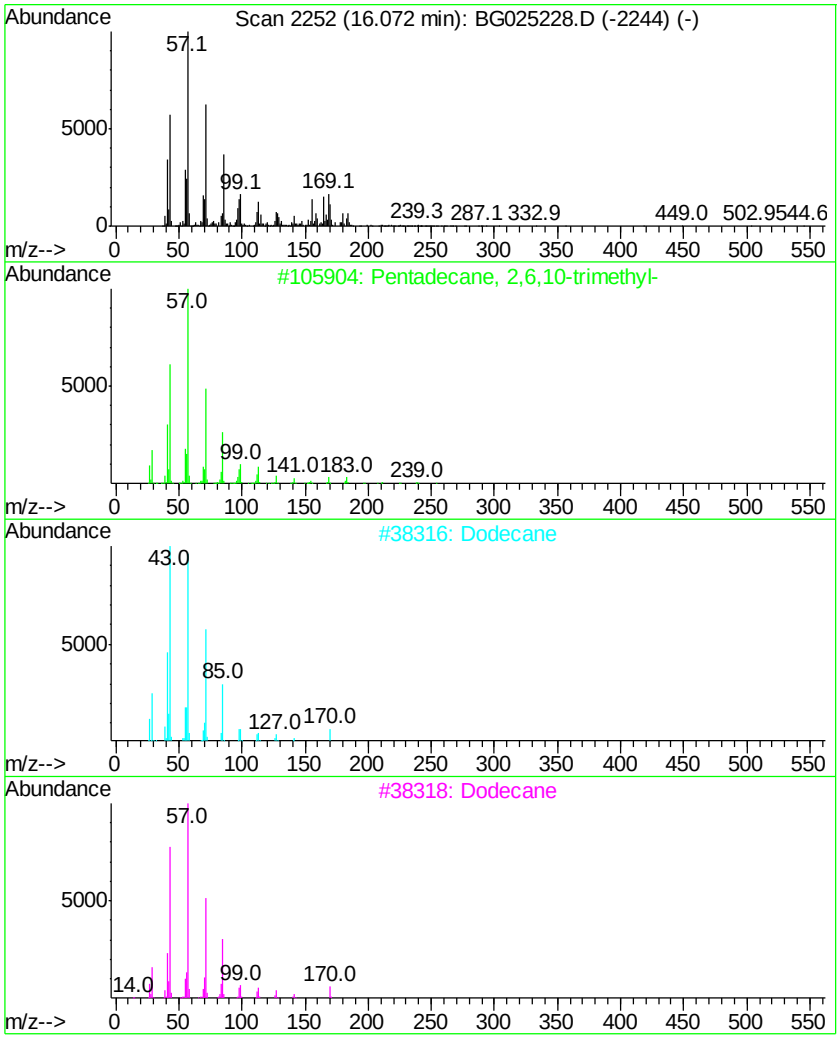
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

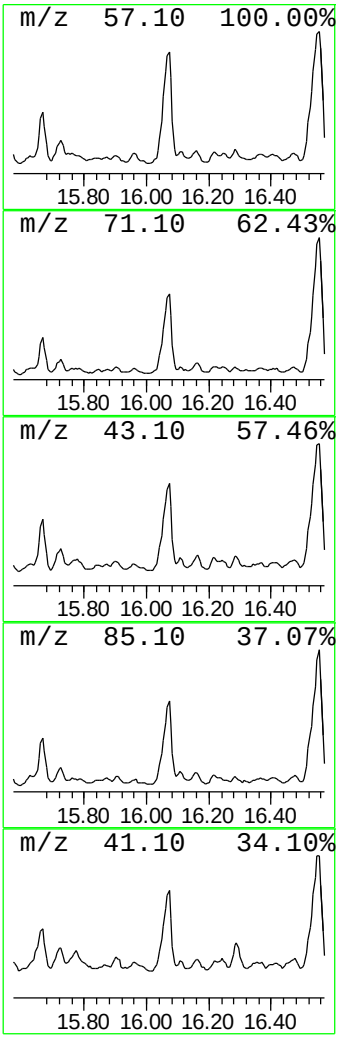
****

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	78.53 ng/ul	19967000	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Dodecane	170	C12H26	000112-40-3	76
3	Dodecane	170	C12H26	000112-40-3	76
4	Tridecane	184	C13H28	000629-50-5	60
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

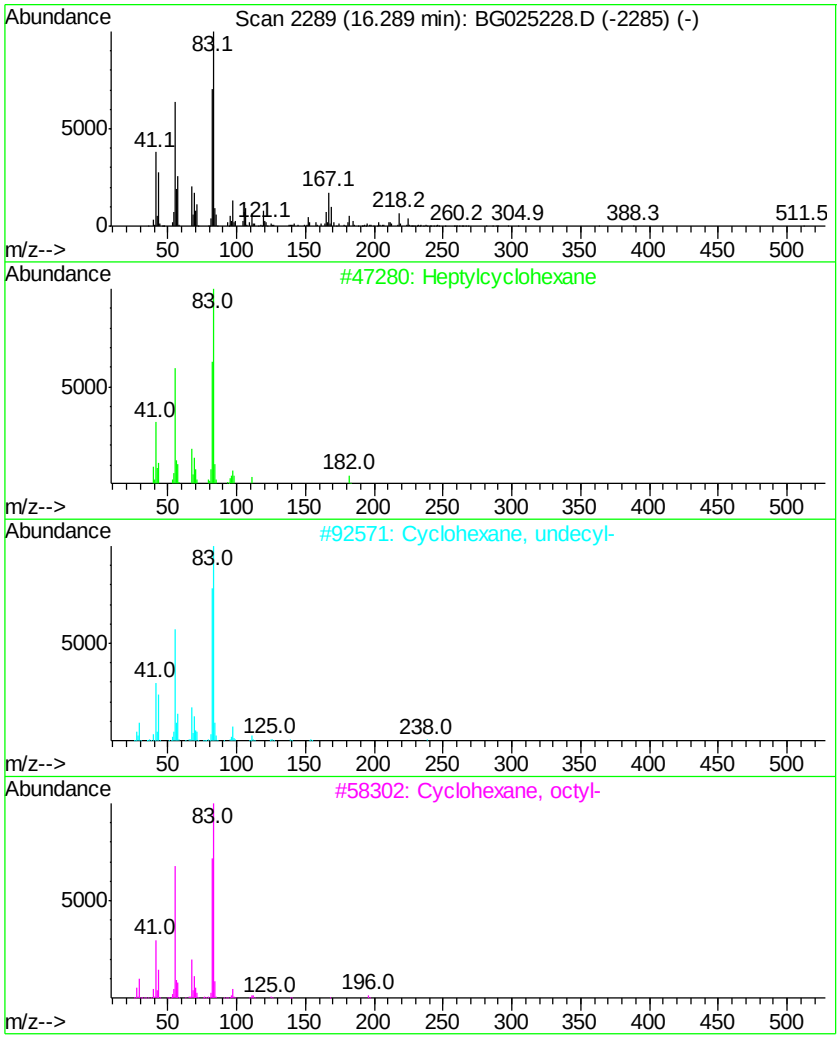
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

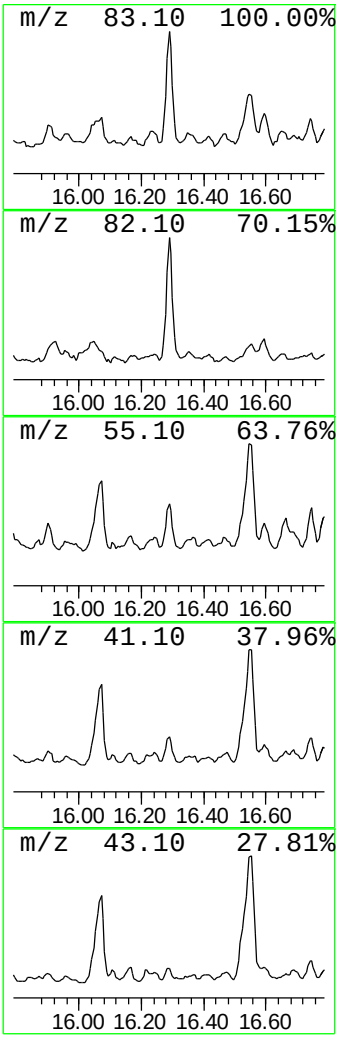
****

Peak Number 47 (DEL) Alkane: Cyclic16.29 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	19.51 ng/ul	4763410	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	81
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4	Cyclohexane, decyl-	224	C16H32	001795-16-0	62
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
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Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

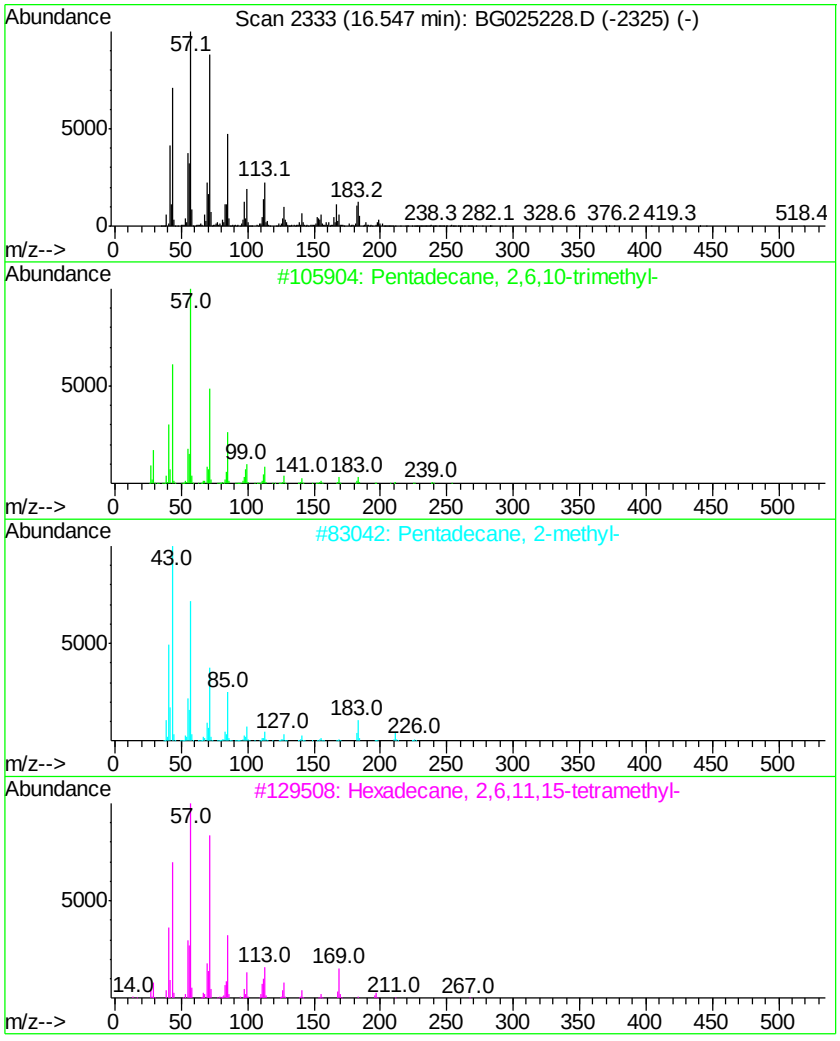
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

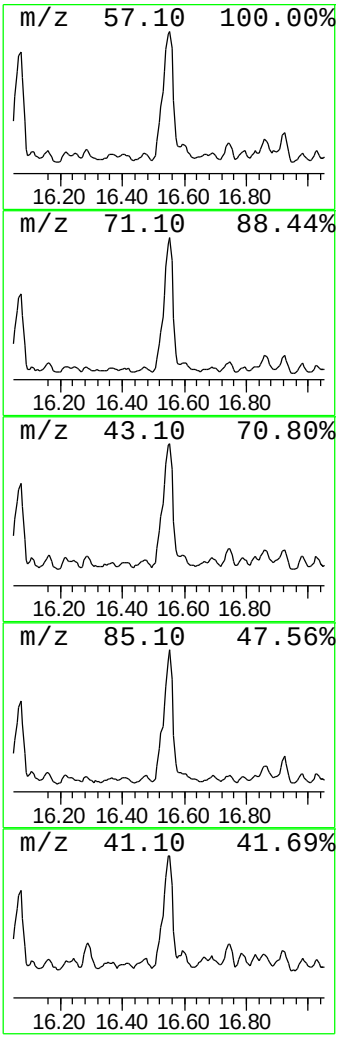
****

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	165.40 ng/ul	40372000	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	81
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	74
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

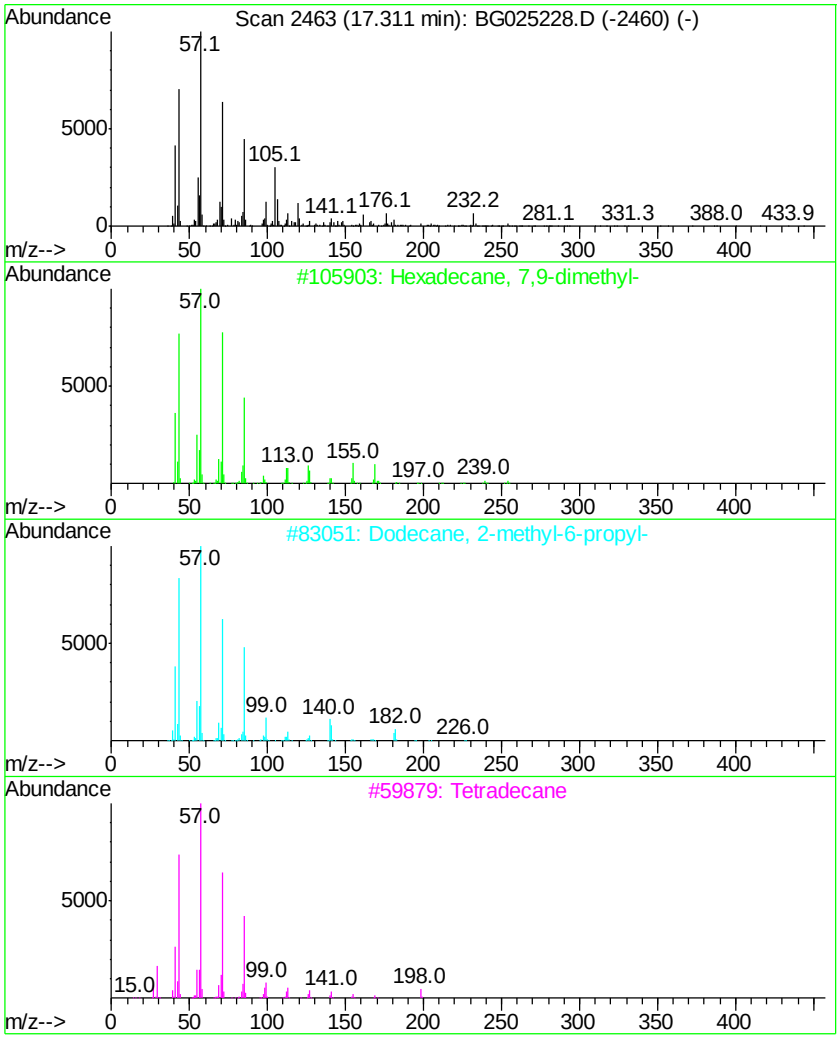
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

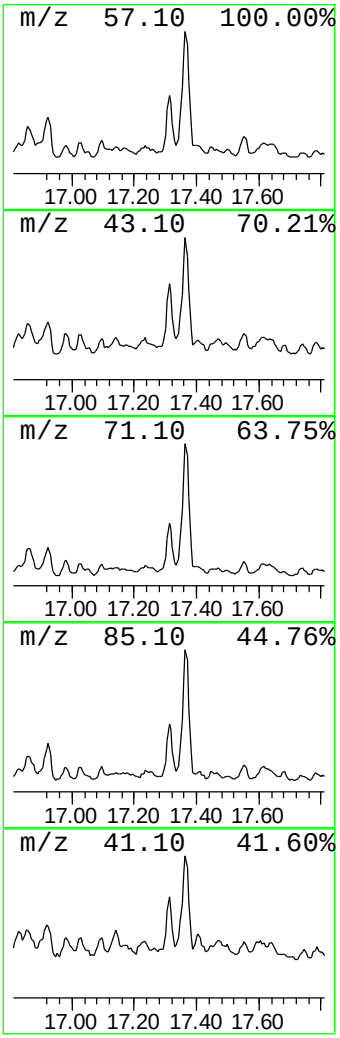
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	15.09 ng/ul	3682170	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	83
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
3	Tetradecane	198	C14H30	000629-59-4	64
4	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	64
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

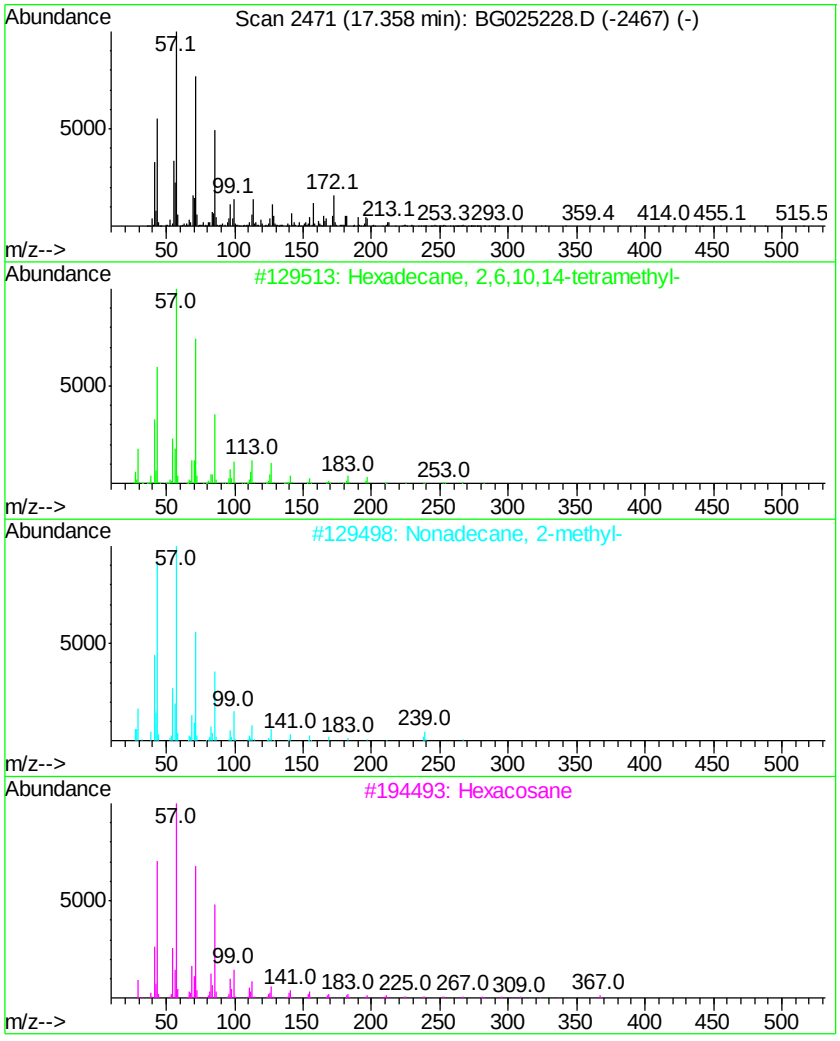
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

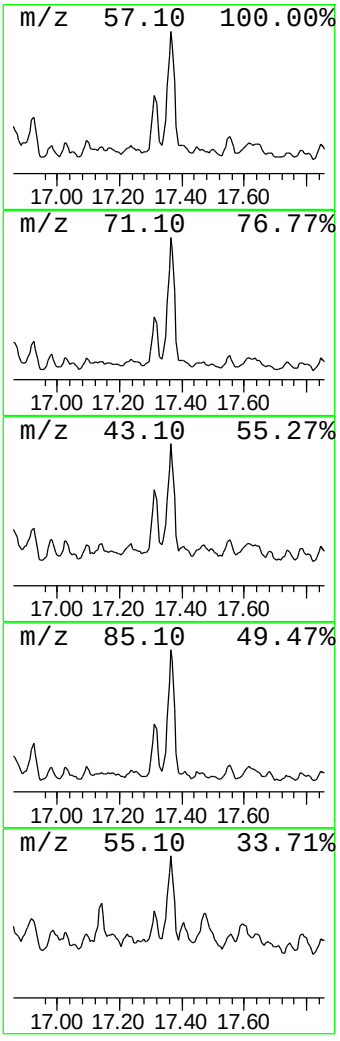
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	49.14 ng/ul	11995600	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
3	Hexacosane	366	C26H54	000630-01-3	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	Pentacosane	352	C25H52	000629-99-2	80





Library Search Compound Report

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Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

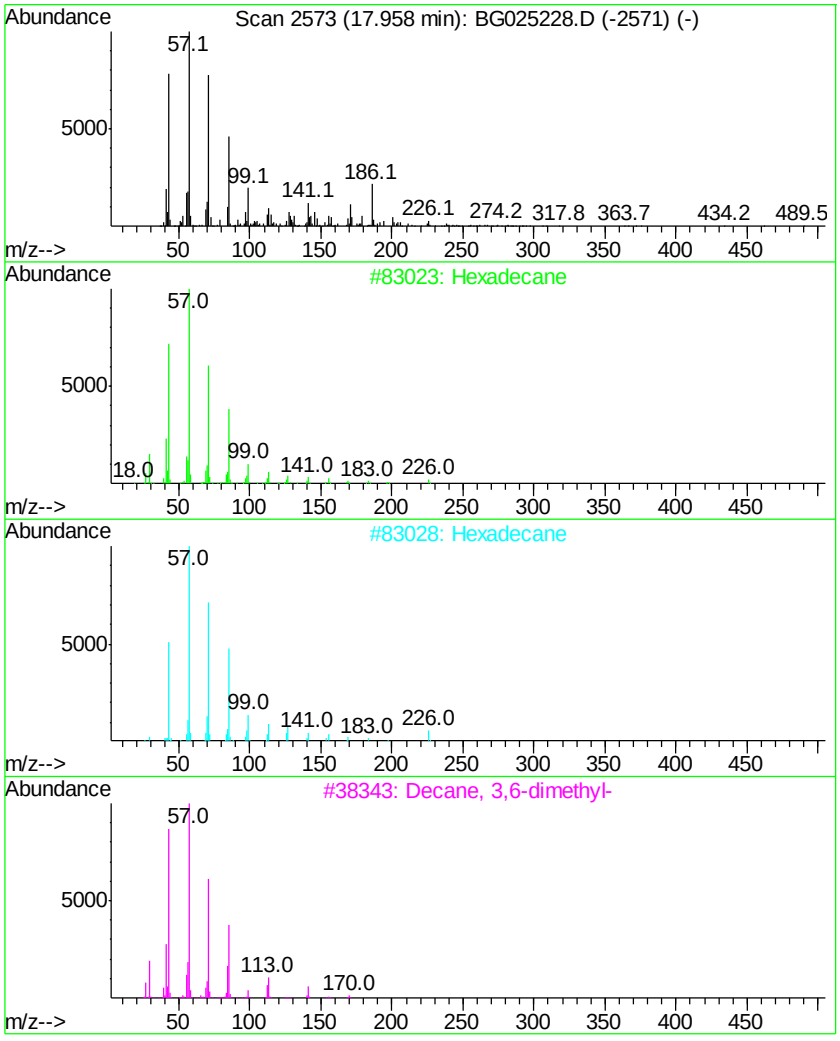
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

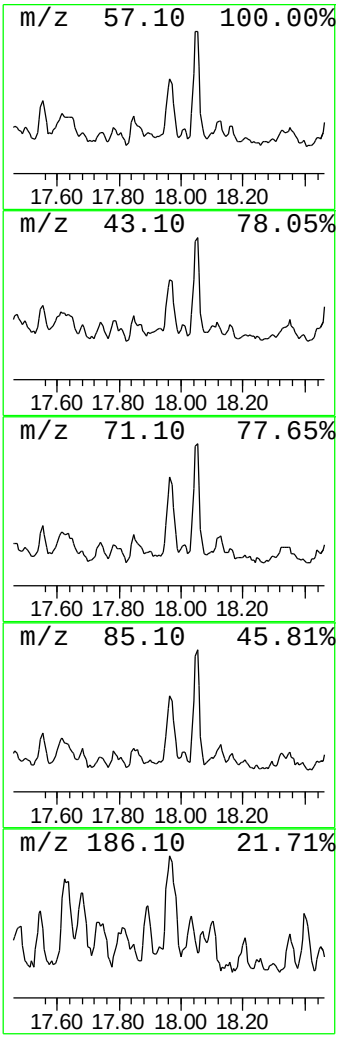
****

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	13.63 ng/ul	3326640	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Hexadecane	226	C16H34	000544-76-3	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	60
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58





Library Search Compound Report

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Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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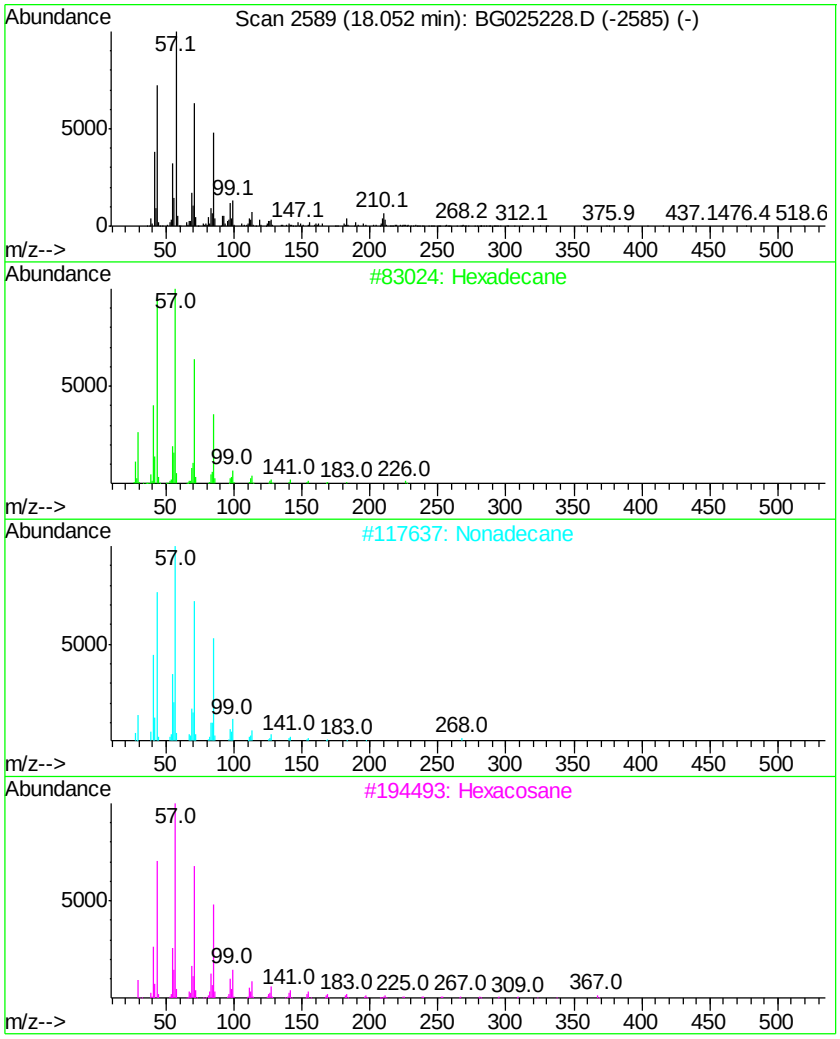
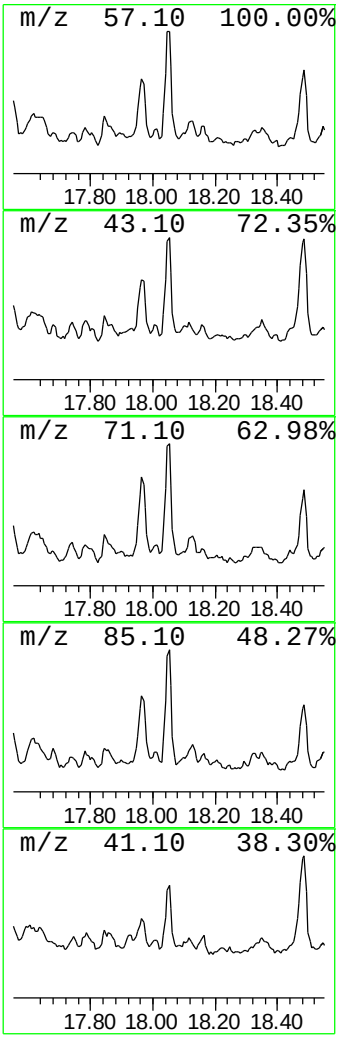
Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	20.91 ng/ul	5103830	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Nonadecane	268	C19H40	000629-92-5	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Tetracosane	338	C24H50	000646-31-1	87





Library Search Compound Report

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Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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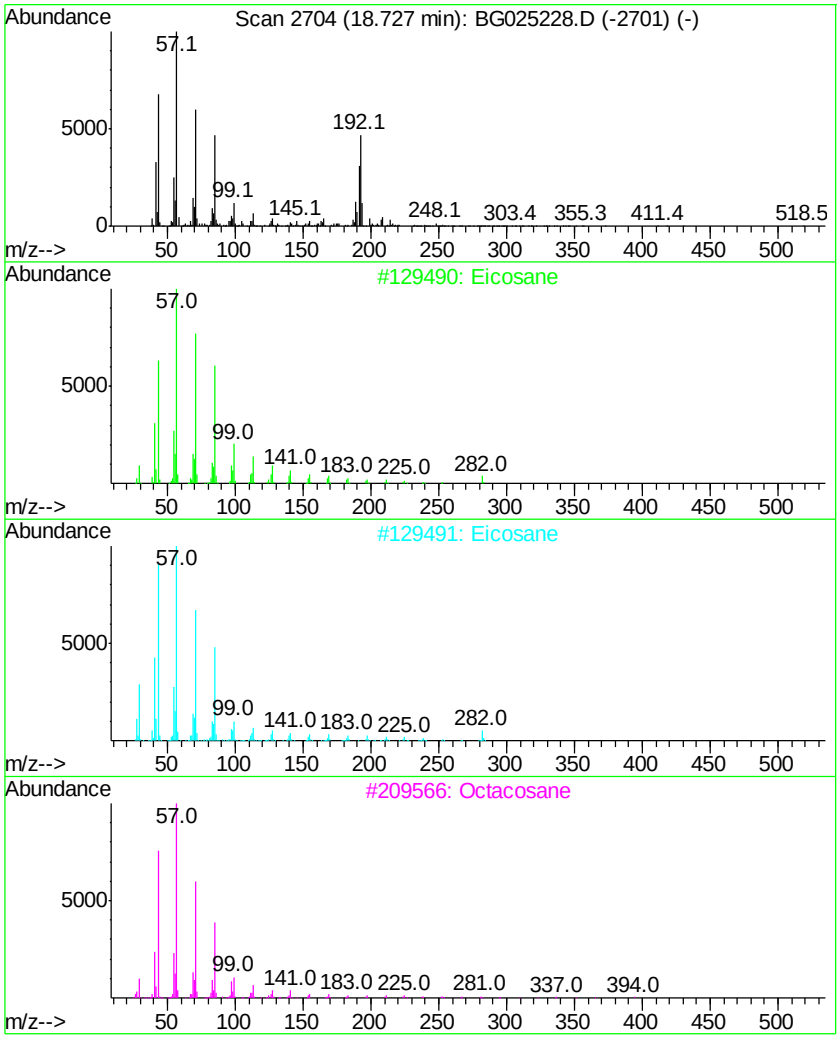
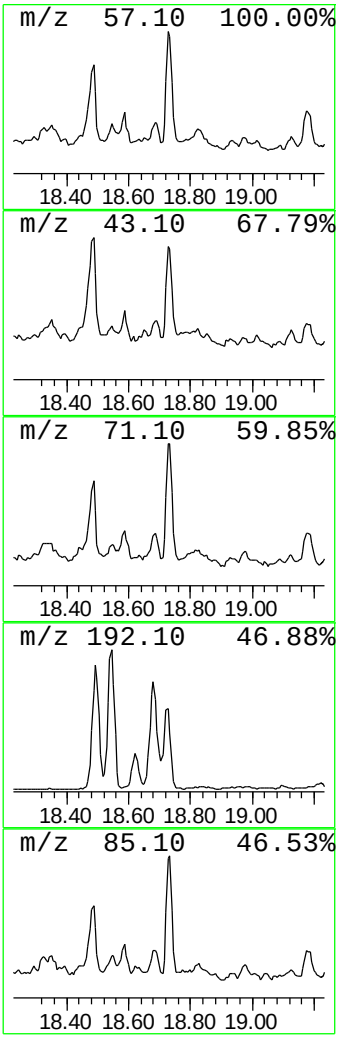
Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	20.20 ng/ul	4930460	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	70
2	Eicosane	282	C20H42	000112-95-8	50
3	Octacosane	394	C28H58	000630-02-4	49
4	Tetradecane	198	C14H30	000629-59-4	49
5	Hexadecane	226	C16H34	000544-76-3	46





Library Search Compound Report

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Data File : BG025228.D
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Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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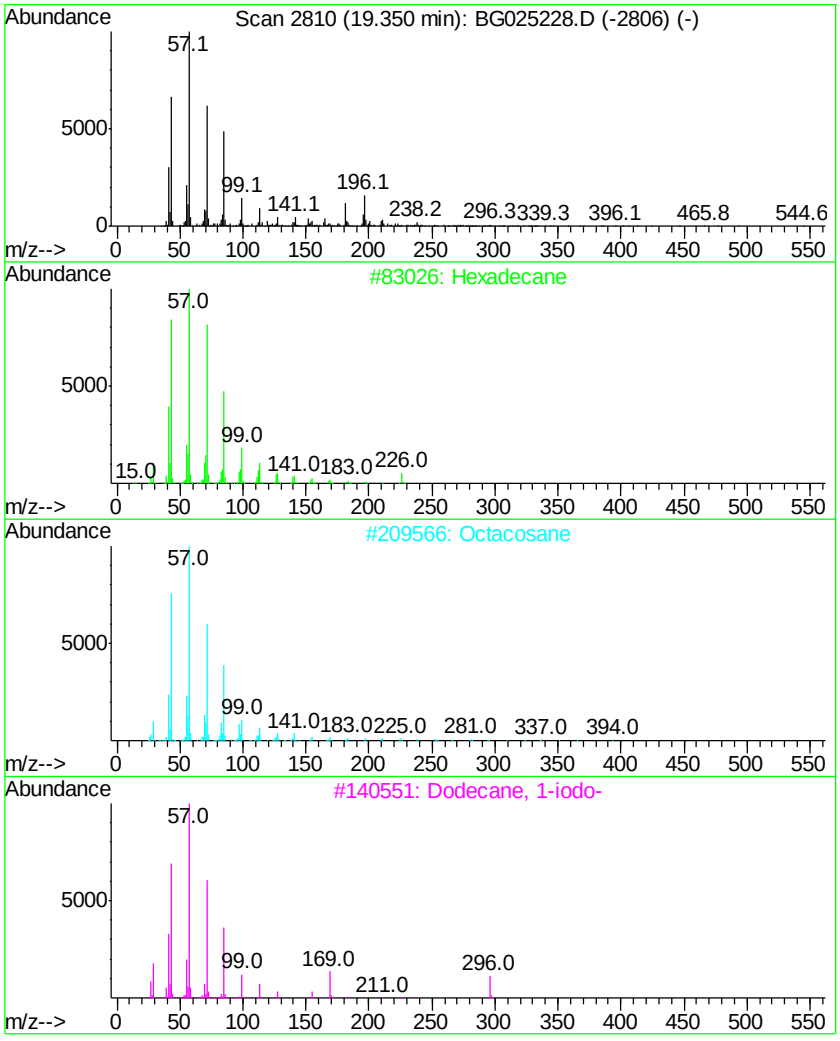
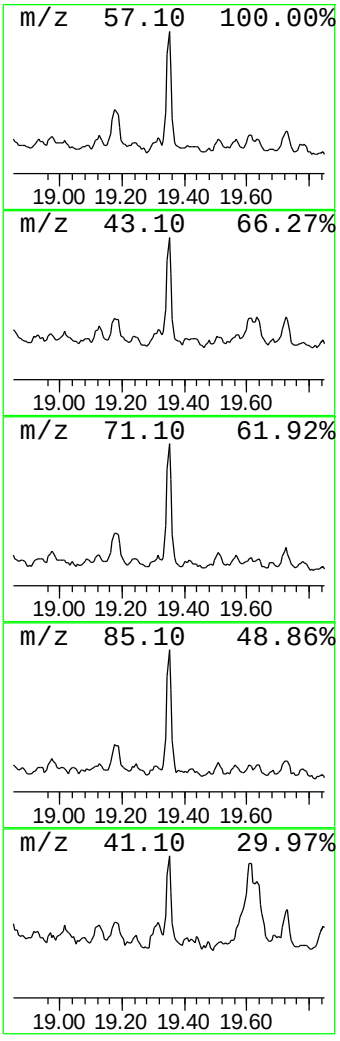
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	14.44 ng/ul	3524790	Phenanthrene-d10	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Octacosane	394	C28H58	000630-02-4	64
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4	Pentadecane	212	C15H32	000629-62-9	58
5	Heneicosane	296	C21H44	000629-94-7	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

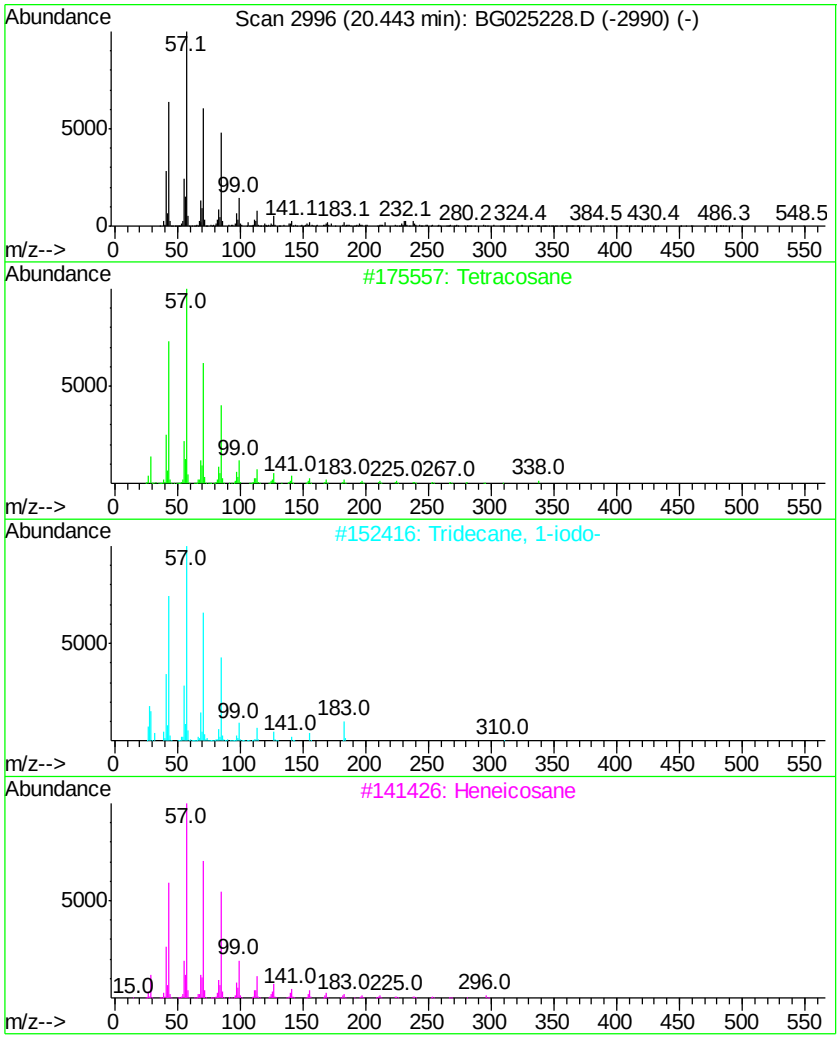
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

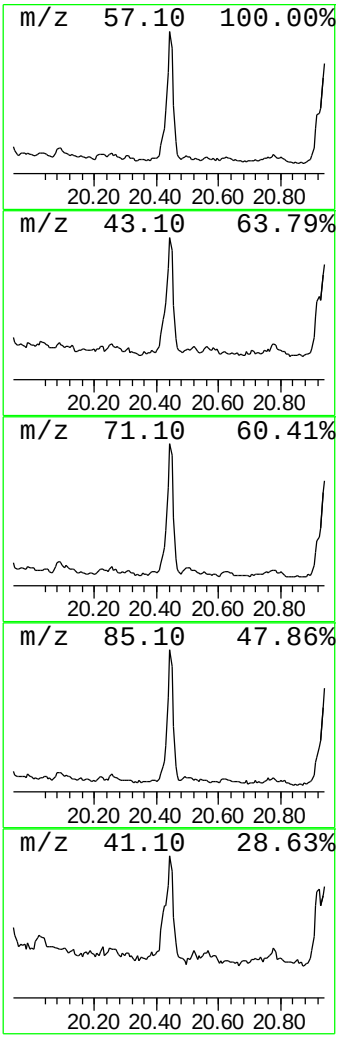
****

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	32.58 ng/ul	5362710	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Heneicosane	296	C21H44	000629-94-7	83
4	Heneicosane	296	C21H44	000629-94-7	76
5	Heptacosane	380	C27H56	000593-49-7	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

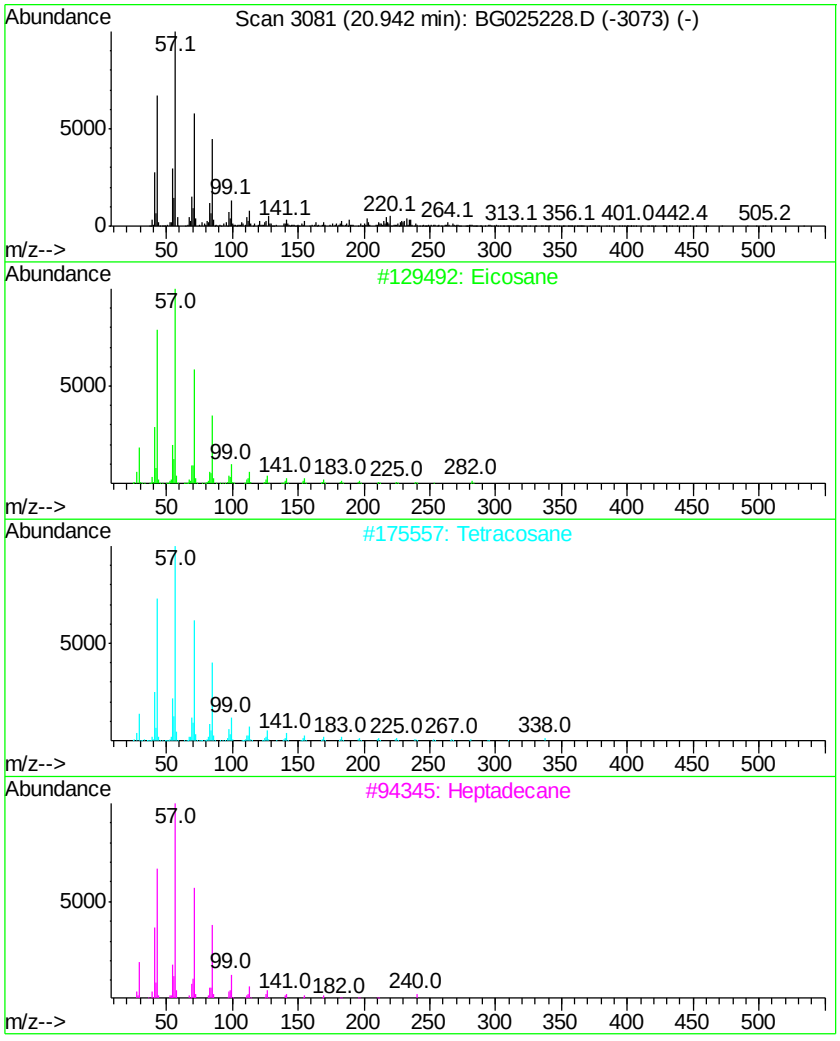
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

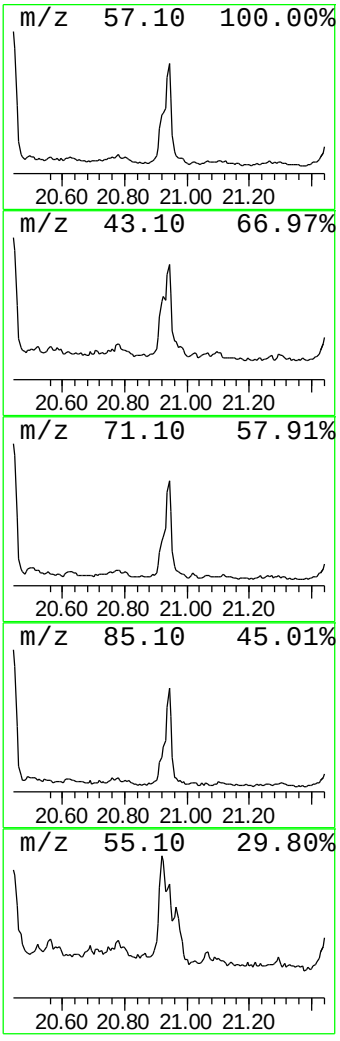
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	59.31 ng/ul	9761700	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Tetracosane	338	C24H50	000646-31-1	95
3	Heptadecane	240	C17H36	000629-78-7	92
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

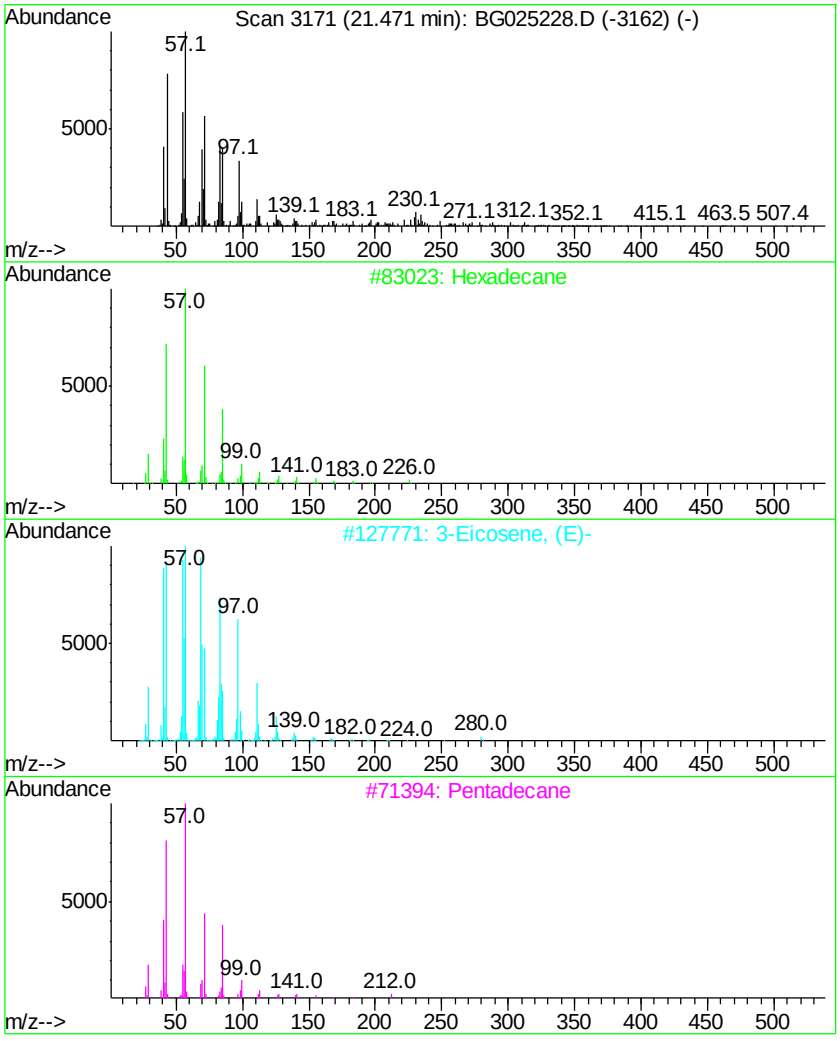
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

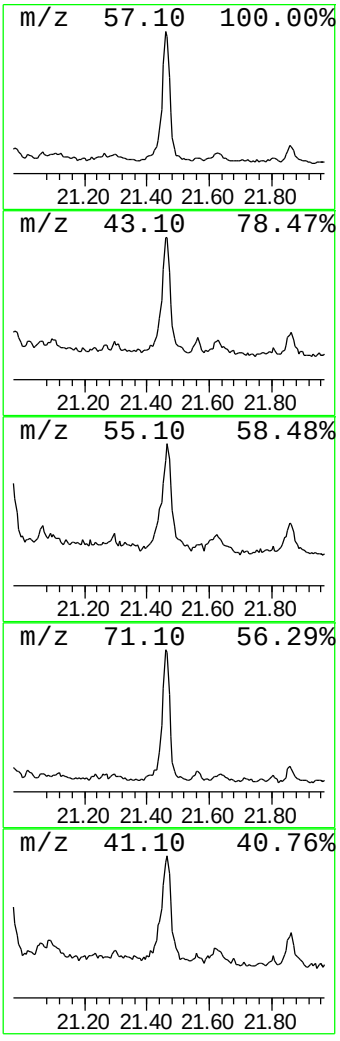
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	43.15 ng/ul	7100830	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
3	Pentadecane	212	C15H32	000629-62-9	93
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	91
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

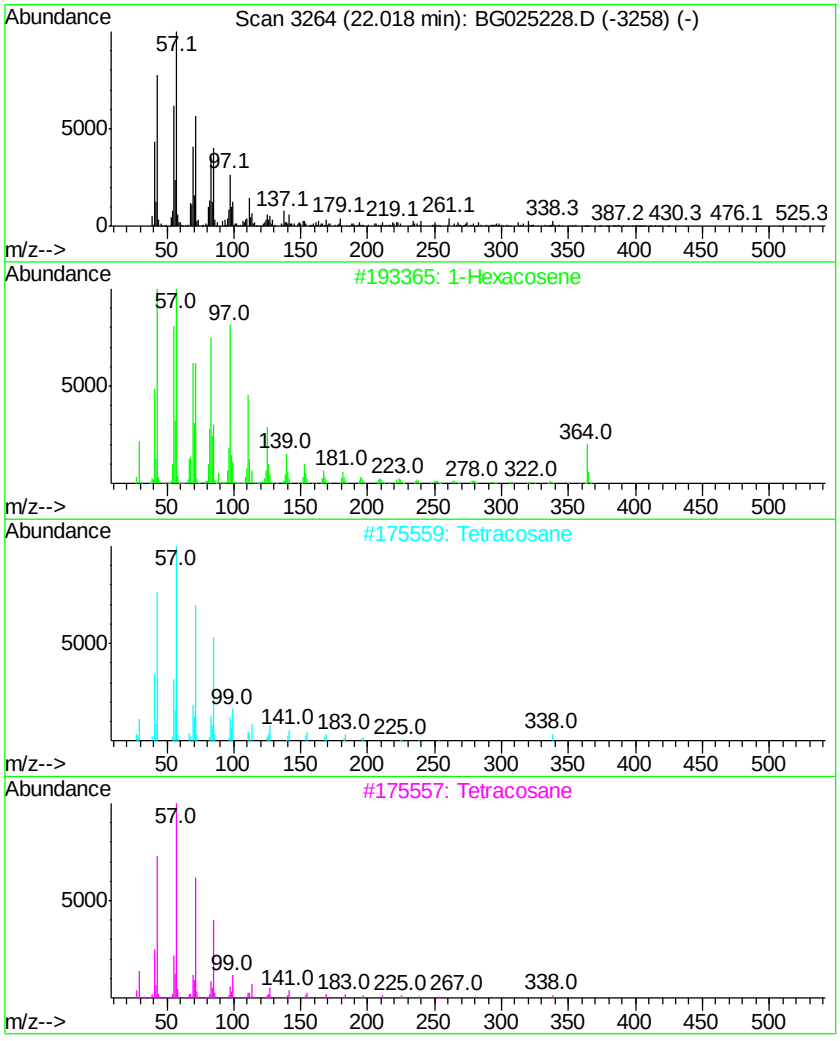
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

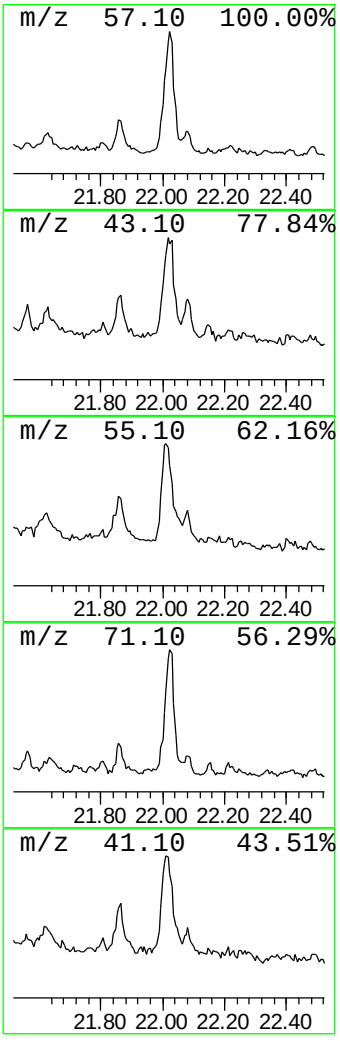
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 (DEL) Alkane: Cyclic22.02 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.02	20.00 ng/ul	3291600	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	90
5	11-Tricosene	322	C23H46	052078-56-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121516\
Data File : BG025228.D
Acq On : 16 Dec 2016 1:50
Operator : UM/SJ
Sample : H5995-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA883

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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, 1,2-diet...	8.86	20.0	ng/ul	2988330	1	8.23	2988330	20.0
Benzene, 4-ethyl-...	9.33	25.1	ng/ul	3755870	1	8.23	2988330	20.0
unknown-01	9.58	21.2	ng/ul	3167780	1	8.23	2988330	20.0
Benzofuran, 2-met...	9.78	22.5	ng/ul	3589020	2	11.07	3187700	20.0
1-Phenyl-1-butene	10.44	29.9	ng/ul	4770870	2	11.07	3187700	20.0
Phenol, 3-ethyl-	10.50	53.3	ng/ul	8491760	2	11.07	3187700	20.0
Phenol, 2,6-dimet...	10.54	37.0	ng/ul	5891770	2	11.07	3187700	20.0
(DEL) Alkane: Str...	11.17	32.2	ng/ul	5138470	2	11.07	3187700	20.0
Benzofuran, 4,7-d...	11.30	25.9	ng/ul	4128120	2	11.07	3187700	20.0
unknown-02	11.42	30.3	ng/ul	4822040	2	11.07	3187700	20.0
Cinnoline, 1,2-di...	11.47	23.4	ng/ul	3726180	2	11.07	3187700	20.0
Phenol, 3,4,5-tri...	11.60	29.6	ng/ul	4725960	2	11.07	3187700	20.0
(DEL) Alkane: Cyc...	11.74	40.1	ng/ul	6394320	2	11.07	3187700	20.0
Phenol, 3-propyl-	11.90	128.1	ng/ul	20418900	2	11.07	3187700	20.0
(DEL) Alkane: Str...	12.04	43.3	ng/ul	6907890	2	11.07	3187700	20.0
Phenol, 2,4,6-tri...	12.09	28.3	ng/ul	4516750	2	11.07	3187700	20.0
(DEL) Alkane: Str...	12.42	34.3	ng/ul	5458510	2	11.07	3187700	20.0
2-Methyl-6-propyl...	12.83	40.4	ng/ul	6438780	2	11.07	3187700	20.0
Naphthalene, 1-me...	12.93	53.5	ng/ul	8520020	2	11.07	3187700	20.0
Phenol, 3-methyl-...	13.08	52.3	ng/ul	13304900	3	14.87	5085380	20.0
unknown-03	13.23	19.7	ng/ul	5008400	3	14.87	5085380	20.0
unknown-04	13.30	28.2	ng/ul	7178970	3	14.87	5085380	20.0
(DEL) Alkane: Str...	13.36	58.2	ng/ul	14801000	3	14.87	5085380	20.0
unknown-05	13.80	13.0	ng/ul	3313220	3	14.87	5085380	20.0
Naphthalene, 1-et...	13.90	23.5	ng/ul	5985250	3	14.87	5085380	20.0
Naphthalene, 1,6-...	14.06	94.2	ng/ul	23942300	3	14.87	5085380	20.0
1H-Phenalen-1-one	14.14	20.6	ng/ul	5243300	3	14.87	5085380	20.0
unknown-06	14.36	17.9	ng/ul	4551750	3	14.87	5085380	20.0
Naphthalene, 1,4-...	14.43	17.7	ng/ul	4505280	3	14.87	5085380	20.0
unknown-07	14.51	16.7	ng/ul	4256130	3	14.87	5085380	20.0
(DEL) Alkane: Str...	14.72	18.2	ng/ul	4632140	3	14.87	5085380	20.0
(DEL) Alkane: Str...	16.07	78.5	ng/ul	19967000	3	14.87	5085380	20.0
(DEL) Alkane: Cyc...	16.29	19.5	ng/ul	4763410	4	17.63	4881840	20.0
(DEL) Alkane: Str...	16.55	165.4	ng/ul	40372000	4	17.63	4881840	20.0
(DEL) Alkane: Str...	17.31	15.1	ng/ul	3682170	4	17.63	4881840	20.0
(DEL) Alkane: Str...	17.36	49.1	ng/ul	11995600	4	17.63	4881840	20.0
(DEL) Alkane: Str...	17.96	13.6	ng/ul	3326640	4	17.63	4881840	20.0
(DEL) Alkane: Str...	18.05	20.9	ng/ul	5103830	4	17.63	4881840	20.0
(DEL) Alkane: Str...	18.73	20.2	ng/ul	4930460	4	17.63	4881840	20.0
(DEL) Alkane: Str...	19.35	14.4	ng/ul	3524790	4	17.63	4881840	20.0
(DEL) Alkane: Str...	20.44	32.6	ng/ul	5362710	5	21.91	3291600	20.0
(DEL) Alkane: Str...	20.94	59.3	ng/ul	9761700	5	21.91	3291600	20.0
(DEL) Alkane: Str...	21.47	43.1	ng/ul	7100830	5	21.91	3291600	20.0
(DEL) Alkane: Cyc...	22.02	20.0	ng/ul	3291600	5	21.91	3291600	20.0