LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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	7.386	767	774	789	rVB3	357136	801414	18.07%	0.932%
2	7.556	796	803	810	rBV	263593	434455	9.80%	0.505%
3	7.767	830	839	849	rBV	328315	598270	13.49%	0.696%
4	8.243	913	920	931	rVB2	427702	808063	18.22%	0.940%
5	8.937	1031	1038	1045	rVV2	451155	817477	18.43%	0.951%
6	9.001	1045	1049	1055	rVV4	65805	126257	2.85%	0.147%
7	9.072	1055	1061	1070	rVB2	59500	115119	2.60%	0.134%
8	9.342	1099	1107	1114	rBV	497931	936550	21.12%	1.089%
9	9.418	1114	1120	1129	rVB2	370494	682165	15.38%	0.793%
10	9.789	1179	1183	1191	rVB2	64254	115691	2.61%	0.135%
11	10.141	1234	1243	1250	rBV2	343843	683036	15.40%	0.794%
12	10.482	1290	1301	1305	rBV5	57153	163084	3.68%	0.190%
13	10.617	1318	1324	1329	rBV4	78183	156443	3.53%	0.182%
14	10.676	1329	1334	1342	rVV	472953	891891	20.11%	1.037%
15	10.899	1363	1372	1376	rBV5	72289	145506	3.28%	0.169%
16	10.958	1376	1382	1393	rVB	376835	693629	15.64%	0.807%
17	11.070	1393	1401	1407	rBV2	607305	1136302	25.62%	1.322%
18	11.117	1407	1409	1416	rVB2	63998	93160	2.10%	0.108%
19	11.205	1416	1424	1434	rBV	127528	299552	6.76%	0.348%
20	11.428	1454	1462	1465	rBV6	42985	100625	2.27%	0.117%
21	11.469	1465	1469	1477	rVV2	97795	183316	4.13%	0.213%
22	11.587	1483	1489	1494	rVB3	51633	103082	2.32%	0.120%
23	11.869	1532	1537	1543	rVV2	89839	162286	3.66%	0.189%
24	12.203	1588	1594	1605	rBV	681657	1207194	27.22%	1.404%
25	12.286	1605	1608	1614	rVB3	65629	95039	2.14%	0.111%
26	12.374	1617	1623	1627	rBV4	49086	95212	2.15%	0.111%
27	12.427	1627	1632	1638	rVB5	70786	125831	2.84%	0.146%
28	12.609	1651	1663	1673	rVB5	45364	165419	3.73%	0.192%
29	12.709	1673	1680	1683	rBV	208793	364509	8.22%	0.424%
30	12.744	1684	1686	1691	rVB2	76520	91849	2.07%	0.107%
31	12.867	1697	1707	1712	rVV8	97243	260160	5.87%	0.303%
32	12.920	1712	1716	1723	rVB	170364	270577	6.10%	0.315%
33	13.126	1743	1751	1759	rVB	610209	1054919	23.79%	1.227%
34	13.214	1761	1766	1772	rBV7	53579	105974	2.39%	0.123%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

35	13.343	1781	1788	1795	rVV	511269	821813	18.53%	0.956%
36	13.467	1805	1809	1816	rVB5	73717	113951	2.57%	0.133%
37	13.643	1834	1839	1844	rVB4	154375	234952	5.30%	0.273%
38	13.890	1878	1881	1896	rVB10	56408	194590	4.39%	0.226%
39	14.042	1896	1907	1914	rBV9	141117	350540	7.90%	0.408%
40	14.195	1925	1933	1936	rBV5	266286	581742	13.12%	0.677%
41	14.254	1937	1943	1947	rVV	1071580	1860023	41.95%	2.163%
42	14.301	1947	1951	1963	rVB2	330462	566996	12.79%	0.659%
43	14.413	1966	1970	1973	rBV4	73544	101779	2.30%	0.118%
44	14.560	1989	1995	2004	rVB	967059	1706789	38.49%	1.985%
45	14.706	2014	2020	2026	rVB	491583	710995	16.03%	0.827%
46	14.818	2035	2039	2042	rBV2	221290	354760	8.00%	0.413%
47	14.865	2042	2047	2061	rVB	1031460	1979539	44.64%	2.302%
48	14.988	2062	2068	2074	rVV	237555	447497	10.09%	0.520%
49	15.053	2074	2079	2089	rVB3	317416	649649	14.65%	0.756%
50	15.153	2091	2096	2101	rBV3	96747	149813	3.38%	0.174%
51	15.235	2107	2110	2120	rVB9	121764	310073	6.99%	0.361%
52	15.317	2120	2124	2135	rBV9	104644	350407	7.90%	0.408%
53	15.470	2144	2150	2155	rVB5	135674	245039	5.53%	0.285%
54	15.523	2155	2159	2162	rBV4	131238	213613	4.82%	0.248%
55	15.617	2168	2175	2177	rBV4	234984	443657	10.00%	0.516%
56	15.658	2177	2182	2188	rVB	1117053	1623455	36.61%	1.888%
57	15.776	2197	2202	2206	rBV	185710	268873	6.06%	0.313%
58	15.846	2209	2214	2220	rBV	1347641	2025217	45.67%	2.355%
59	15.964	2229	2234	2242	rVB2	419999	682678	15.40%	0.794%
60	16.058	2243	2250	2256	rVV	527256	817689	18.44%	0.951%
61	16.158	2264	2267	2271	rBV6	56833	99202	2.24%	0.115%
62	16.275	2283	2287	2295	rVB2	357481	582376	13.13%	0.677%
63	16.352	2295	2300	2304	rBV8	126796	245991	5.55%	0.286%
64	16.404	2305	2309	2310	rBV4	71131	90675	2.04%	0.105%
65	16.457	2312	2318	2323	rVB5	222850	438138	9.88%	0.510%
66	16.516	2323	2328	2338	rBV2	2507228	4434412	100.00%	5.157%
67	16.675	2350	2355	2357	rBV6	108286	176873	3.99%	0.206%
68	16.739	2361	2366	2370	rVB	1284077	1600409	36.09%	1.861%
69	16.822	2376	2380	2384	rBV2	150525	199086	4.49%	0.232%
70	16.874	2384	2389	2398	rVB	429097	821563	18.53%	0.956%
71	17.021	2410	2414	2421	rVB5	154158	225102	5.08%	0.262%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

72	17.086	2421	2425	2429	rBV5	141313	231764	5.23%	0.270%
73	17.133	2429	2433	2439	rVV6	166467	249261	5.62%	0.290%
74	17.256	2450	2454	2457	rBV3	241202	366035	8.25%	0.426%
75	17.303	2457	2462	2468	rVB	3002458	3990107	89.98%	4.641%
76	17.603	2505	2513	2523	rVB2	1447980	3023997	68.19%	3.517%
77	17.703	2524	2530	2538	rVB2	1489568	2439431	55.01%	2.837%
78	17.779	2539	2543	2550	rBV6	147513	309208	6.97%	0.360%
79	17.920	2563	2567	2569	rBV3	112765	157248	3.55%	0.183%
80	18.003	2578	2581	2584	rBV3	144115	162864	3.67%	0.189%
81	18.044	2584	2588	2596	rVB	3386214	4264566	96.17%	4.960%
82	18.220	2615	2618	2623	rBV4	140181	199947	4.51%	0.233%
83	18.443	2652	2656	2660	rBV2	385110	561477	12.66%	0.653%
84	18.655	2688	2692	2695	rBV3	165686	232672	5.25%	0.271%
85	18.690	2695	2698	2701	rVV2	314419	396130	8.93%	0.461%
86	18.731	2701	2705	2715	rVB	2876092	3736705	84.27%	4.346%
87	18.855	2723	2726	2730	rVB6	125226	165846	3.74%	0.193%
88	19.319	2802	2805	2807	rBV4	169073	179807	4.05%	0.209%
89	19.354	2807	2811	2818	rVB	2395135	2977949	67.16%	3.464%
90	19.918	2899	2907	2912	rBV	1852076	2829745	63.81%	3.291%
91	19.977	2912	2917	2922	rVB	1717854	2439267	55.01%	2.837%
92	20.447	2990	2997	3006	rVB	1872816	2633138	59.38%	3.062%
93	20.946	3074	3082	3092	rVB3	904395	2120646	47.82%	2.466%
94	21.469	3164	3171	3183	rVB2	631103	1242546	28.02%	1.445%
95	21.898	3237	3244	3251	rVB	1597509	2896330	65.31%	3.369%
96	22.021	3260	3265	3272	rVB5	197104	467642	10.55%	0.544%
97	22.885	3407	3412	3424	rVB3	298043	667331	15.05%	0.776%
98	25.077	3776	3785	3801	rVB2	891133	2771929	62.51%	3.224%
99	25.312	3817	3825	3839	rVB2	927384	2892453	65.23%	3.364%
100	25.917	3924	3928	3940	rVB7	222031	570060	12.86%	0.663%

Sum of corrected areas: 85980113

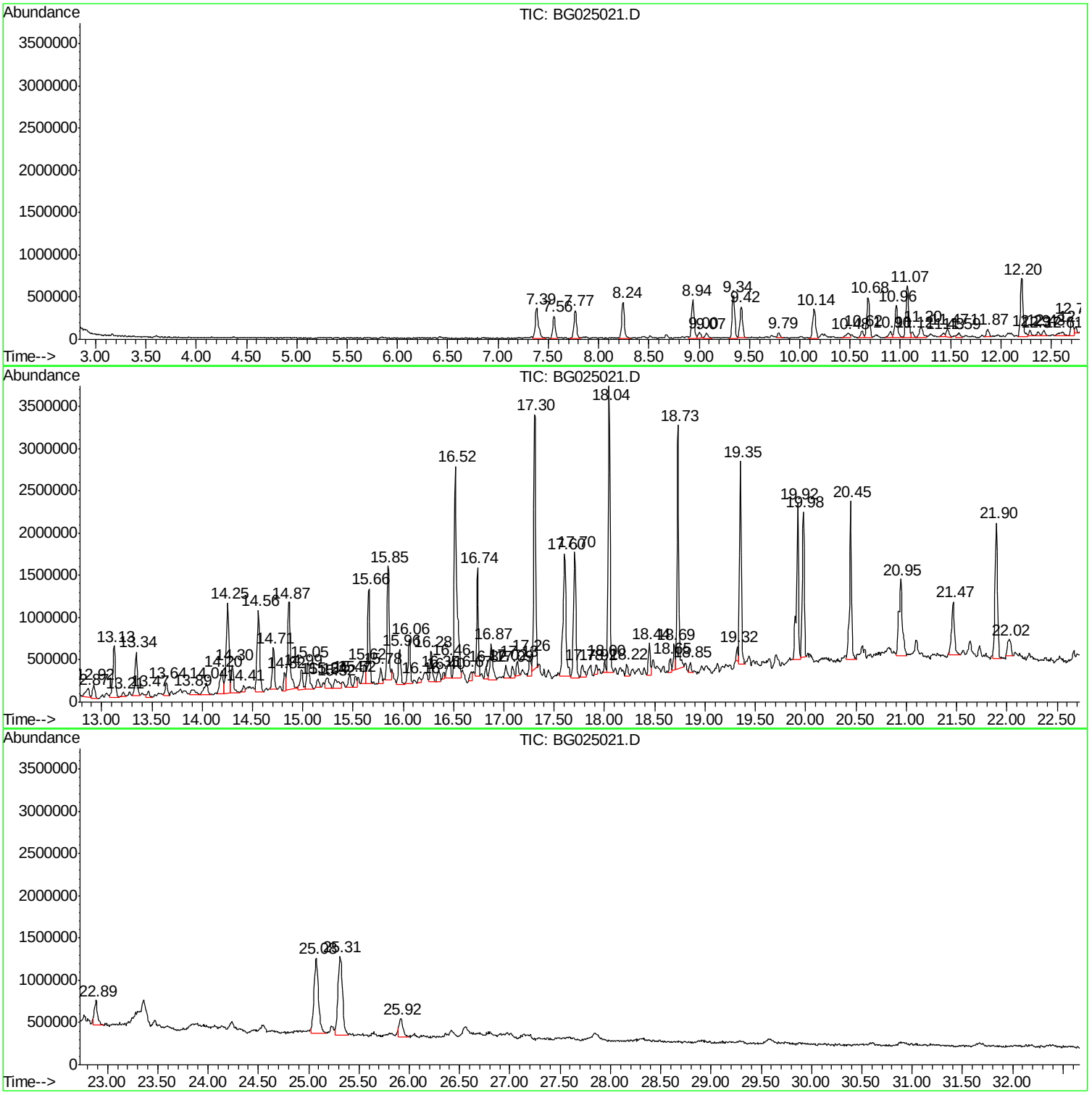
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

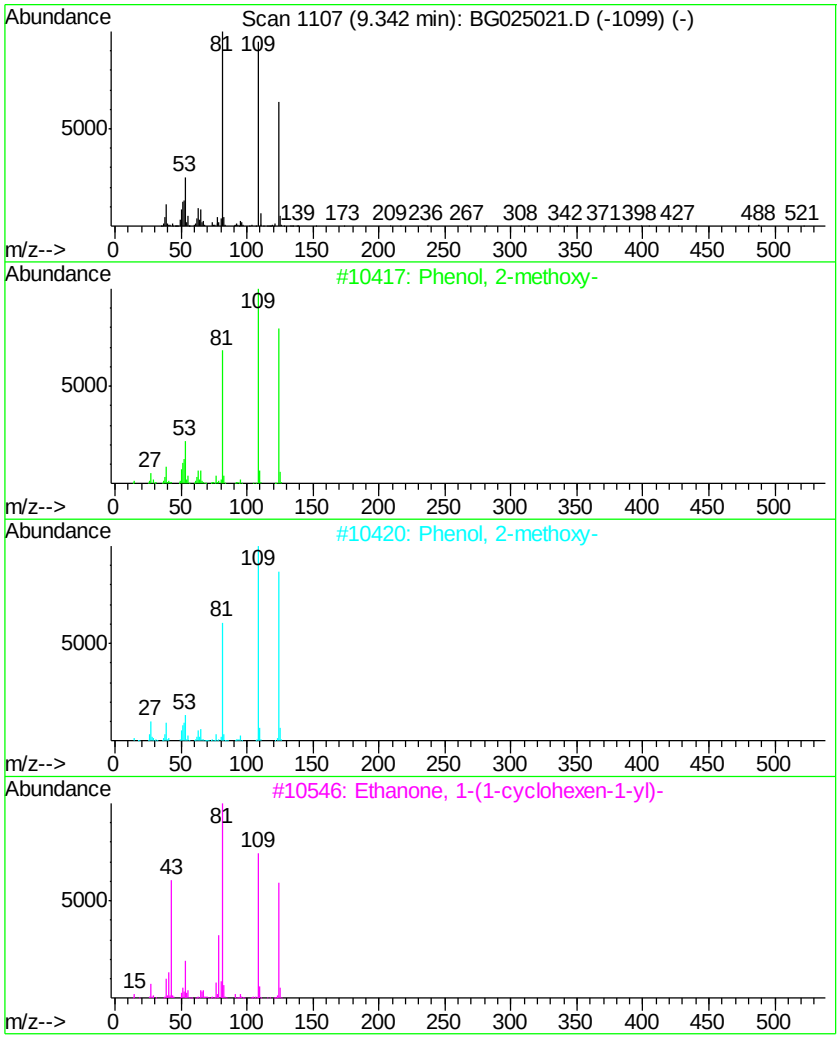
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

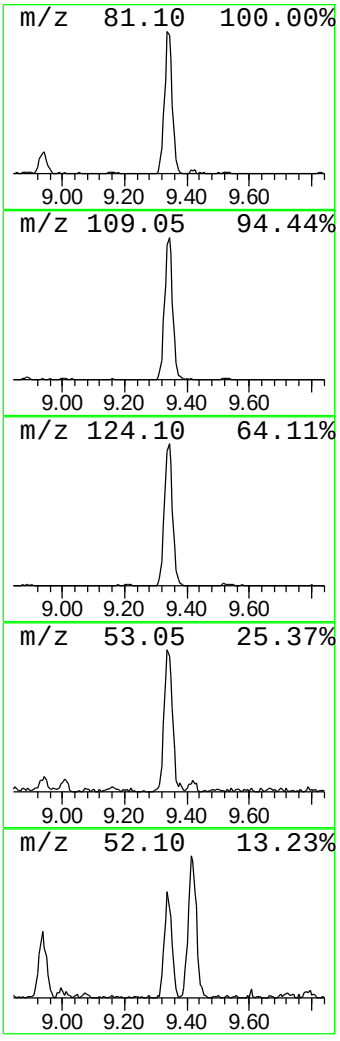
****

Peak Number 1 Phenol, 2-methoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	23.18 ng/ul	936550	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	95
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	90
3	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	83
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	64
5	Mequinol	124	C7H8O2	000150-76-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

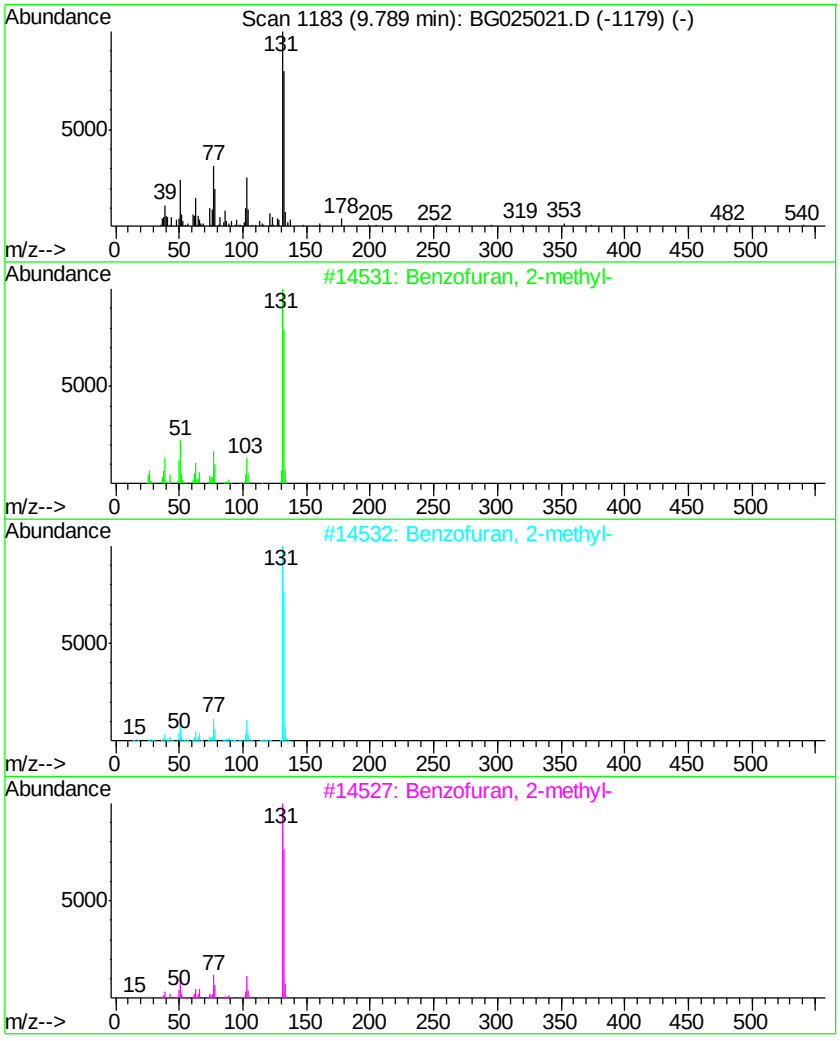
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

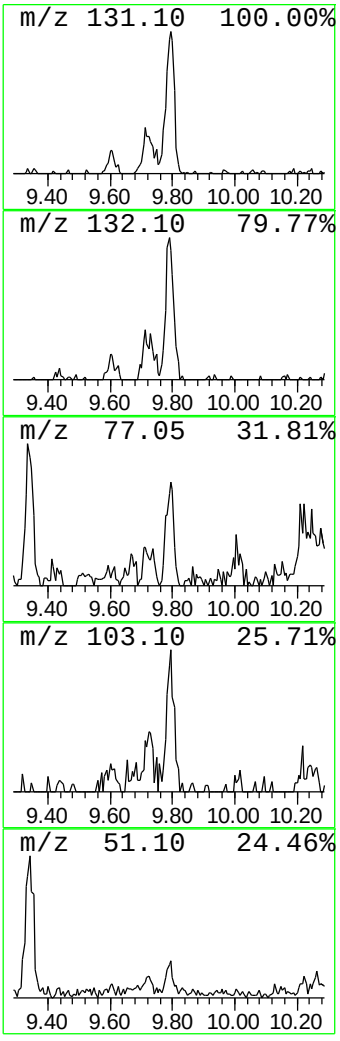
****

Peak Number 2 Benzofuran, 2-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	2.04 ng/ul	115691	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	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

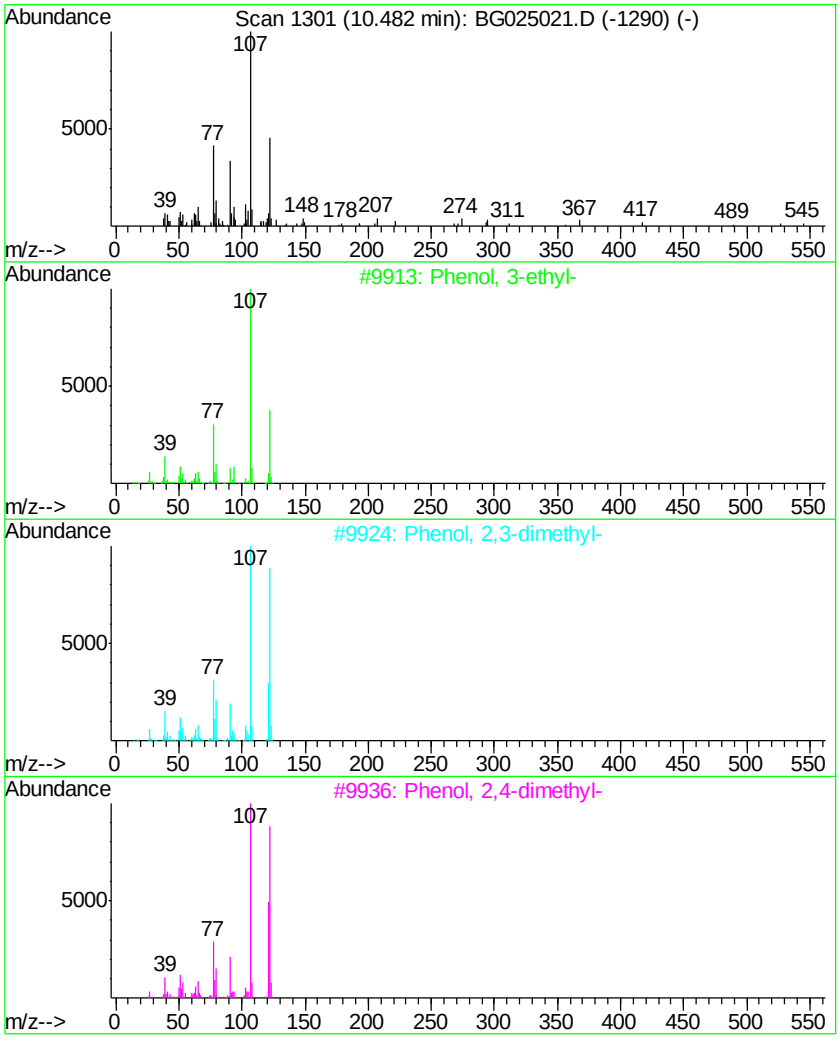
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

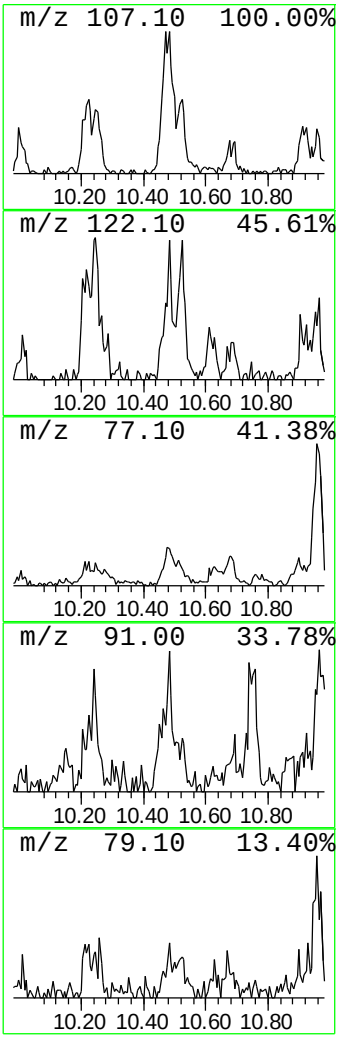
****

Peak Number 3 Phenol, 3-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	2.87 ng/ul	163084	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, 2,3-dimethyl-	122	C8H10O	000526-75-0	87
3	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	87
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	86
5	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

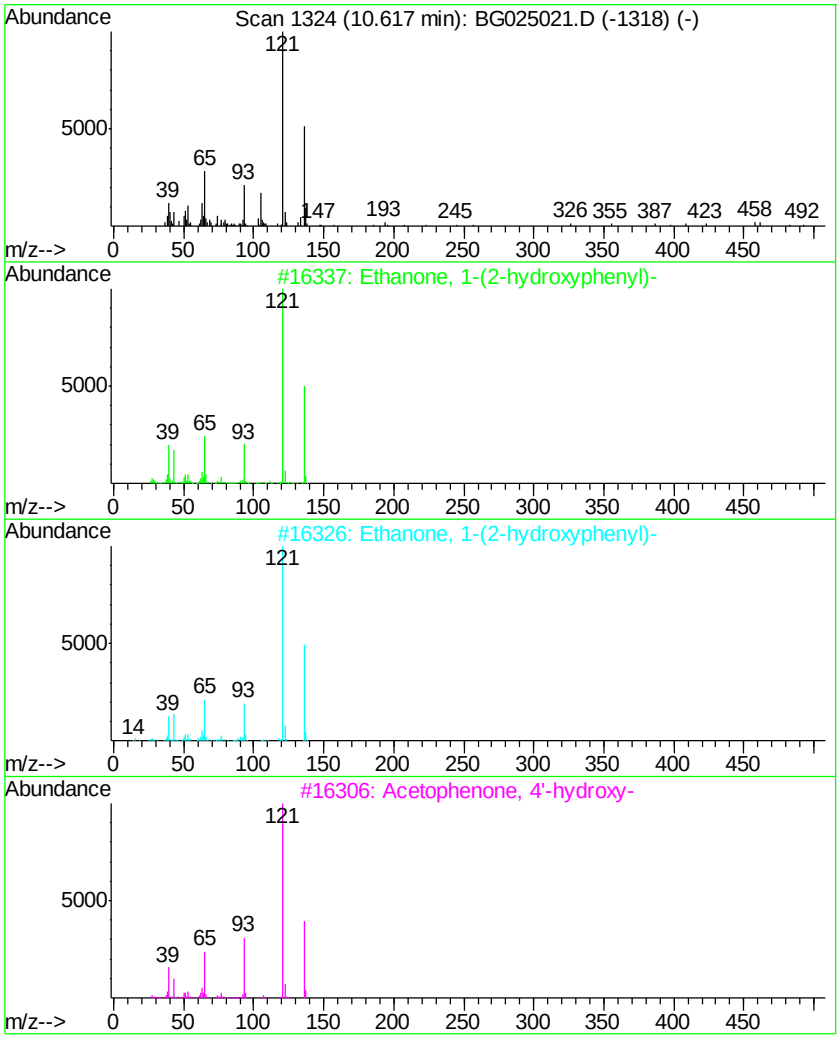
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

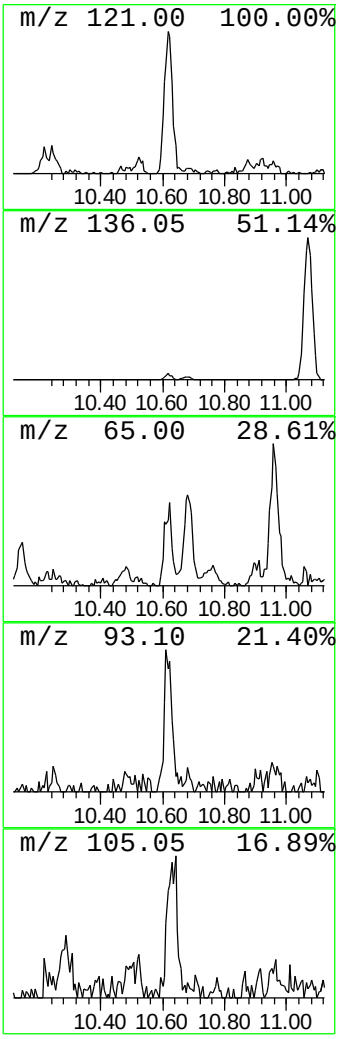
****

Peak Number 4 Ethanone, 1-(2-hydroxyphenyl)- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.75 ng/ul	156443	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	93
2	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	90
3	Acetophenone, 4'-hydroxy-	136	C8H8O2	000099-93-4	90
4	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	90
5	Acetophenone, 4'-hydroxy-	136	C8H8O2	000099-93-4	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

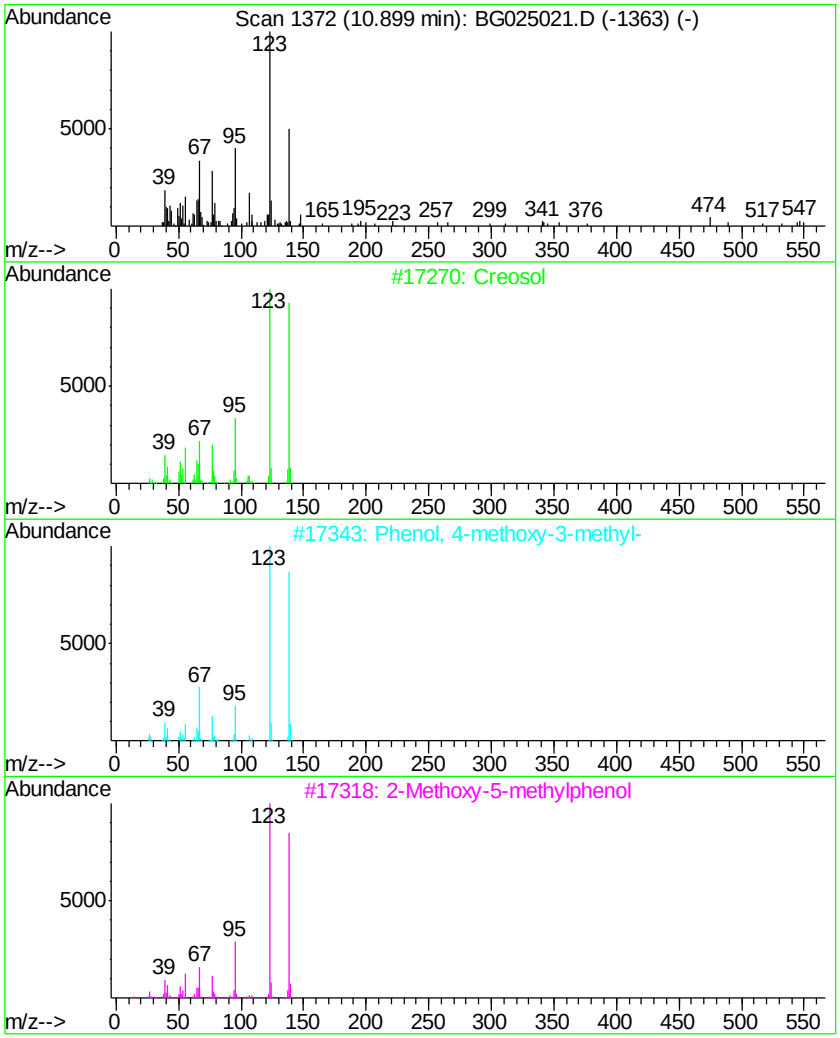
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

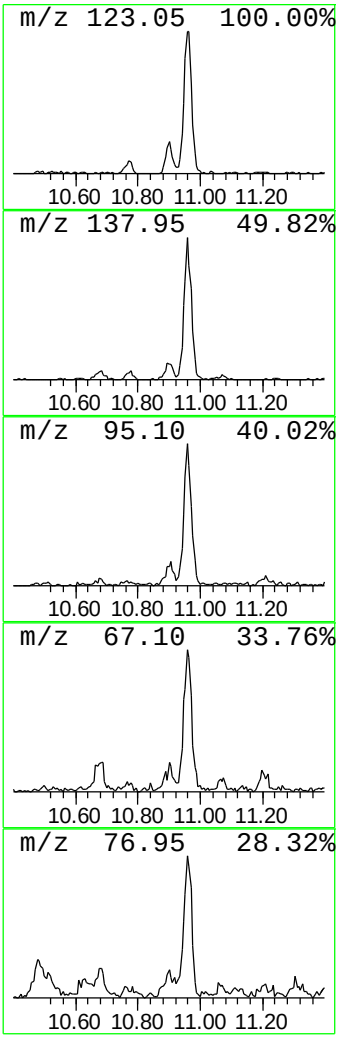
****

Peak Number 5 Creosol Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.56 ng/ul	145506	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Creosol	138	C8H10O2	000093-51-6	91
2	Phenol, 4-methoxy-3-methyl-	138	C8H10O2	014786-82-4	83
3	2-Methoxy-5-methylphenol	138	C8H10O2	001195-09-1	83
4	2-Methoxy-5-methylphenol	138	C8H10O2	001195-09-1	80
5	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

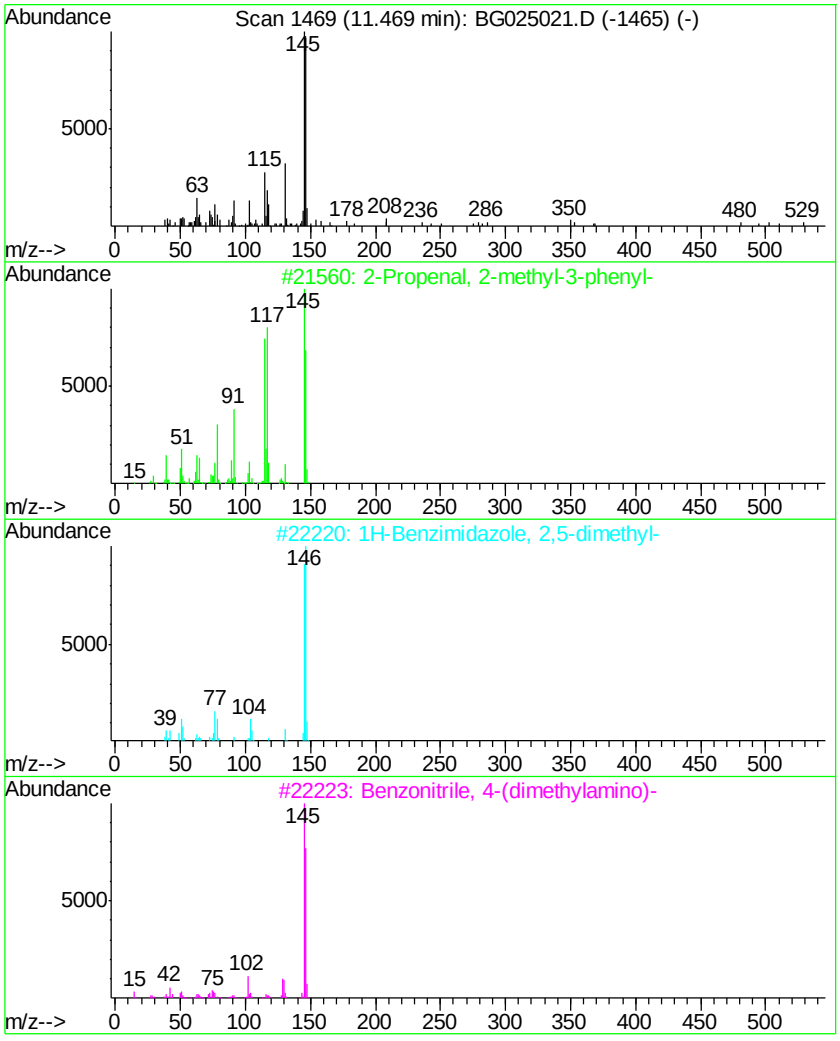
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

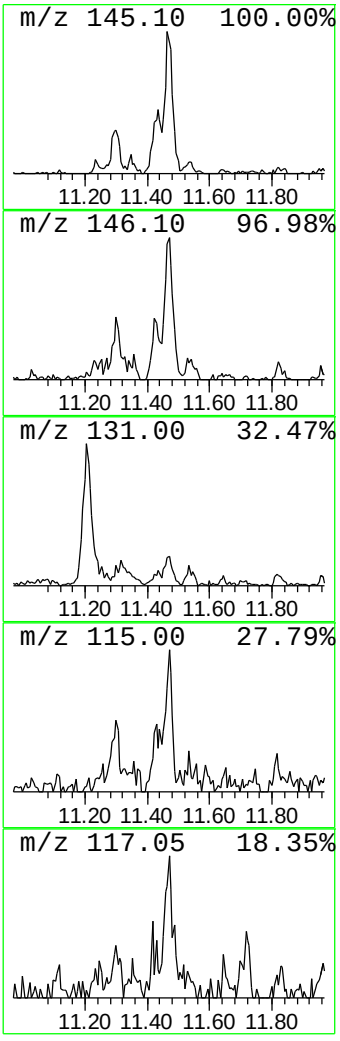
****

Peak Number 7 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	3.23 ng/ul	183316	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	72
2	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	72
3	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	64
4	1,2-Dimethylbenzimidazole	146	C9H10N2	002876-08-6	58
5	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

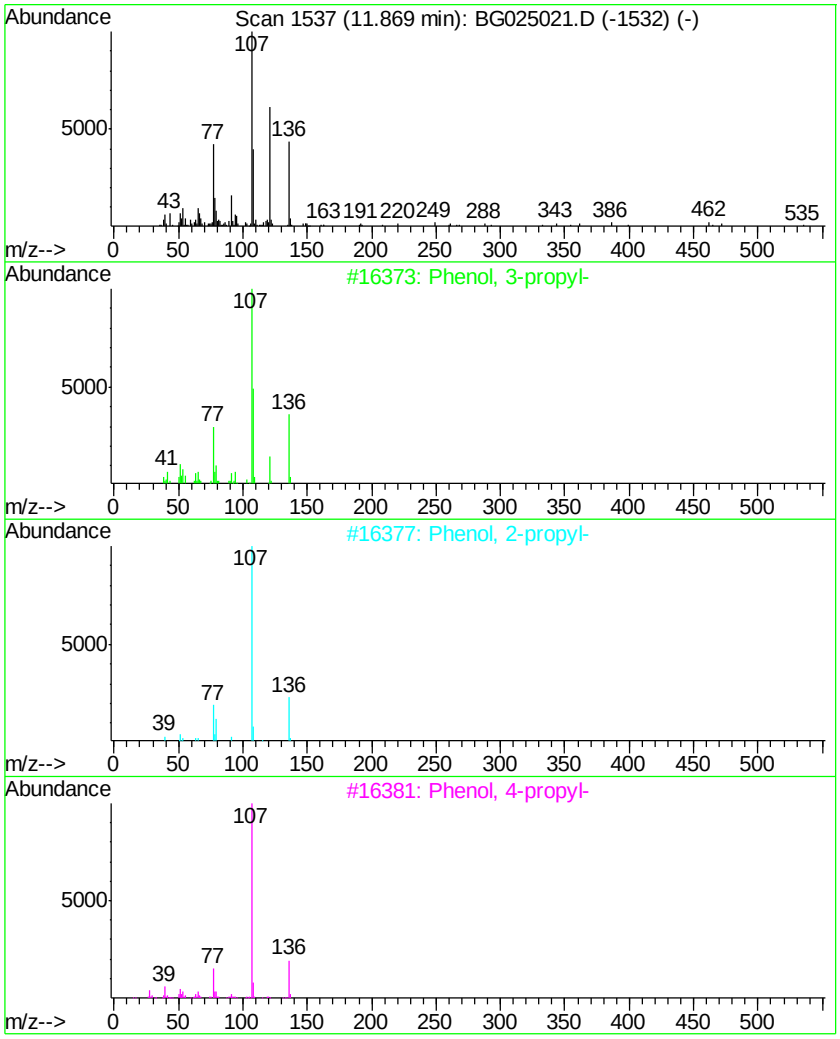
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

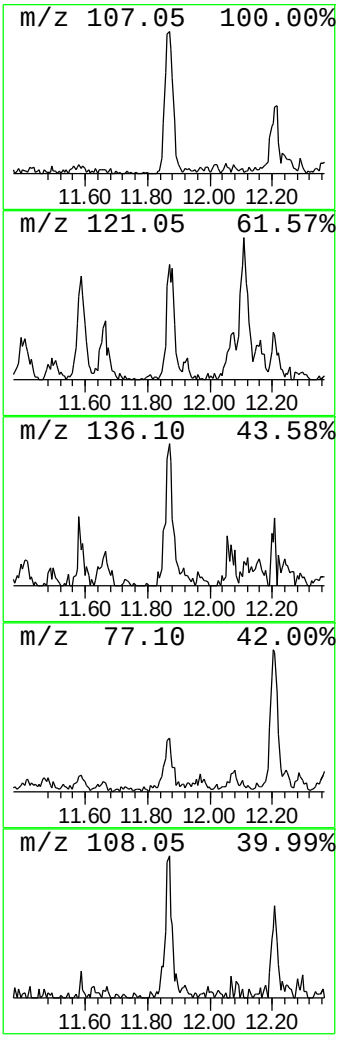
****

Peak Number 8 Phenol, 3-propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.86 ng/ul	162286	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-propyl-	136	C9H12O	000621-27-2	80
2	Phenol, 2-propyl-	136	C9H12O	000644-35-9	64
3	Phenol, 4-propyl-	136	C9H12O	000645-56-7	50
4	Furan, 2-(1-pentenyl)-, (E)-	136	C9H12O	020992-69-2	47
5	4-Hydroxyphenylacetamide	151	C8H9NO2	017194-82-0	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

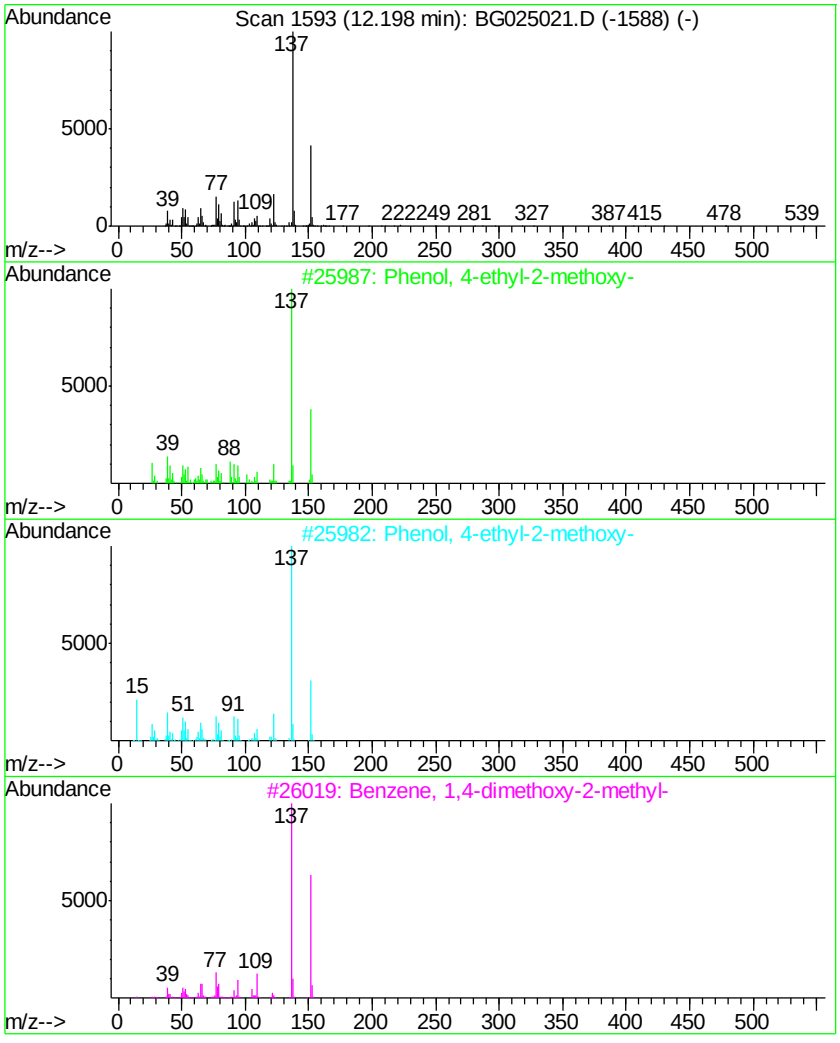
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

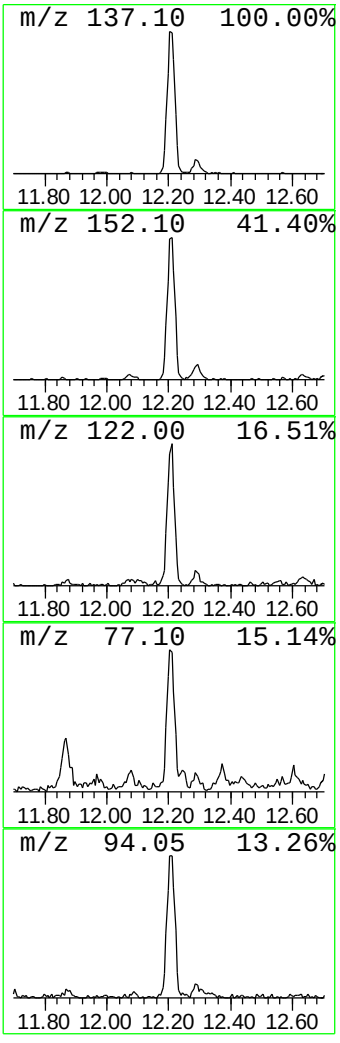
****

Peak Number 9 Phenol, 4-ethyl-2-methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	21.25 ng/ul	1207190	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	94
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	90
3	Benzene, 1,4-dimethoxy-2-methyl-	152	C9H12O2	024599-58-4	83
4	4-Isopropylthiophenol	152	C9H12S	004946-14-9	80
5	Benzene, 1,4-dimethoxy-2-methyl-	152	C9H12O2	024599-58-4	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

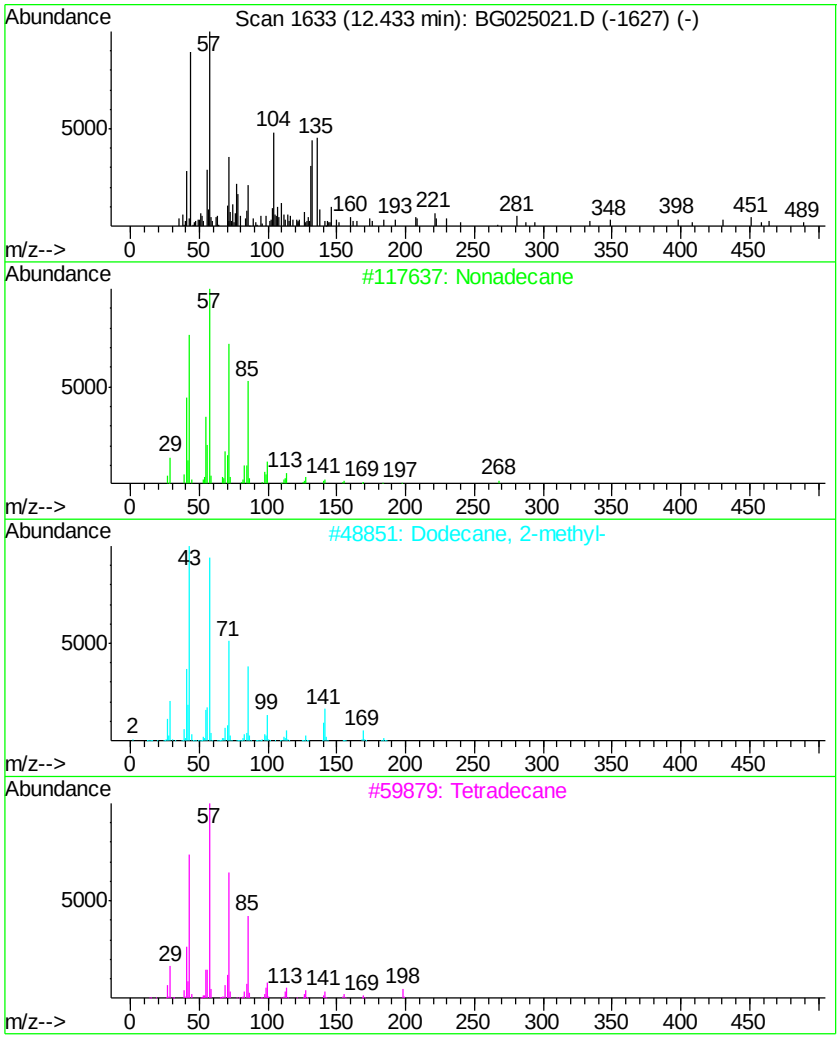
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

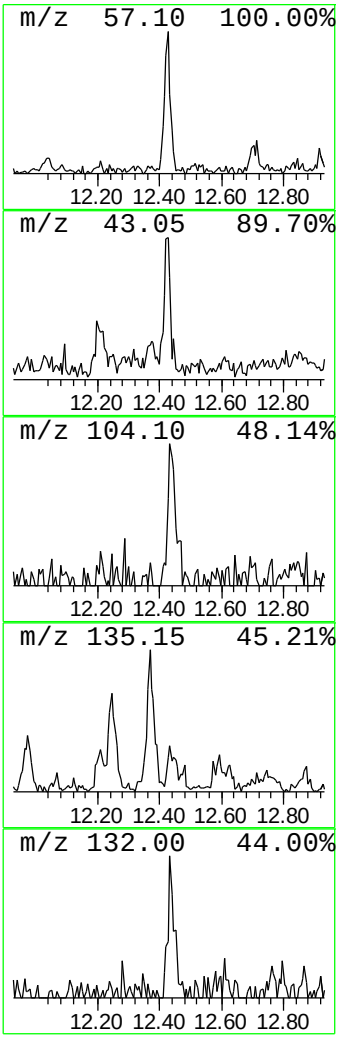
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.21 ng/ul	125831	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	25
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	11
3	Tetradecane	198	C14H30	000629-59-4	10
4	3-Dodecanone	184	C12H24O	001534-27-6	10
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

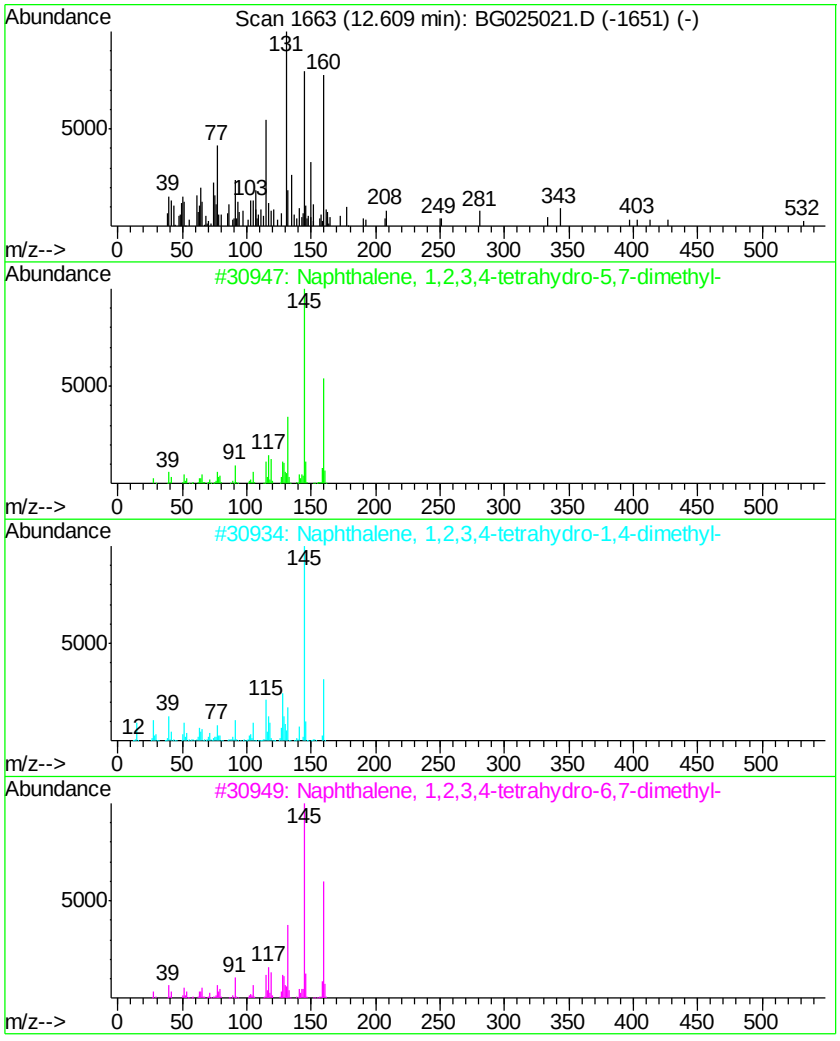
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

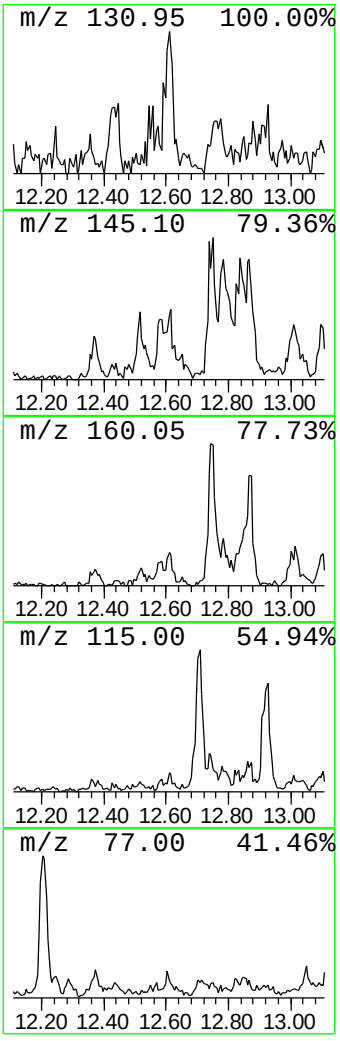
****

Peak Number 11 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.91 ng/ul	165419	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	46
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	43
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	41
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	41
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	41





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

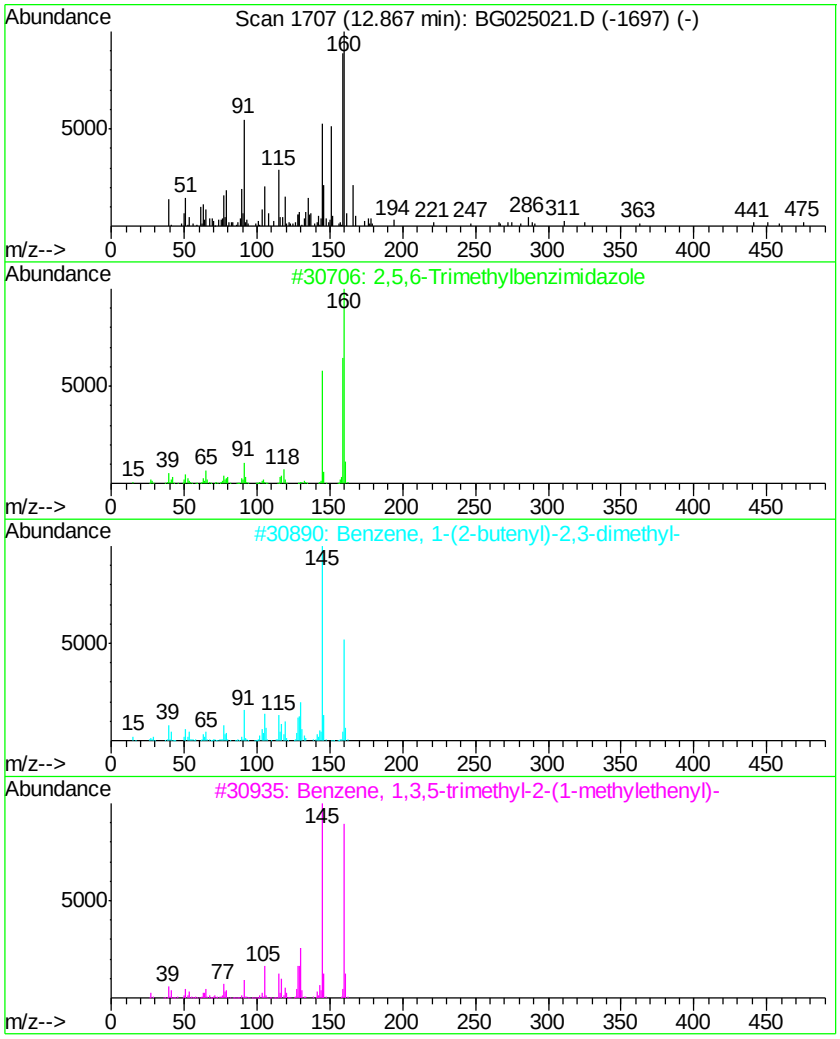
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

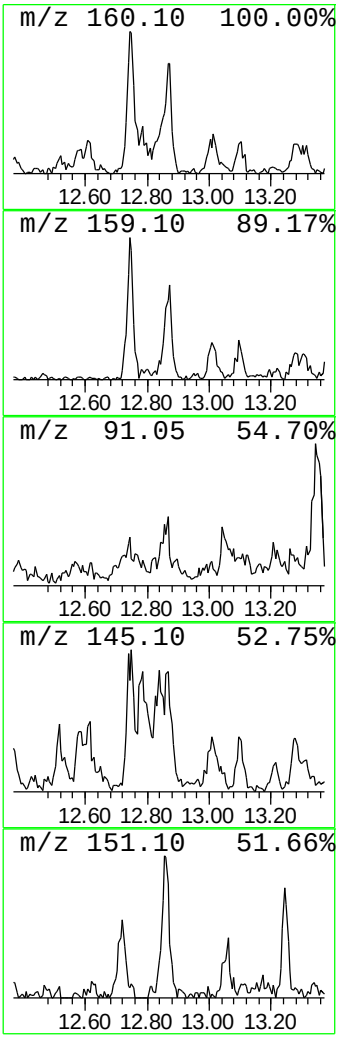
****

Peak Number 12 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	4.58 ng/ul	260160	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	38
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	30
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	27
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	27
5	4-Methyl-1-dimethyl(octyl)silylo...	272	C16H36OSi	1000282-19-1	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

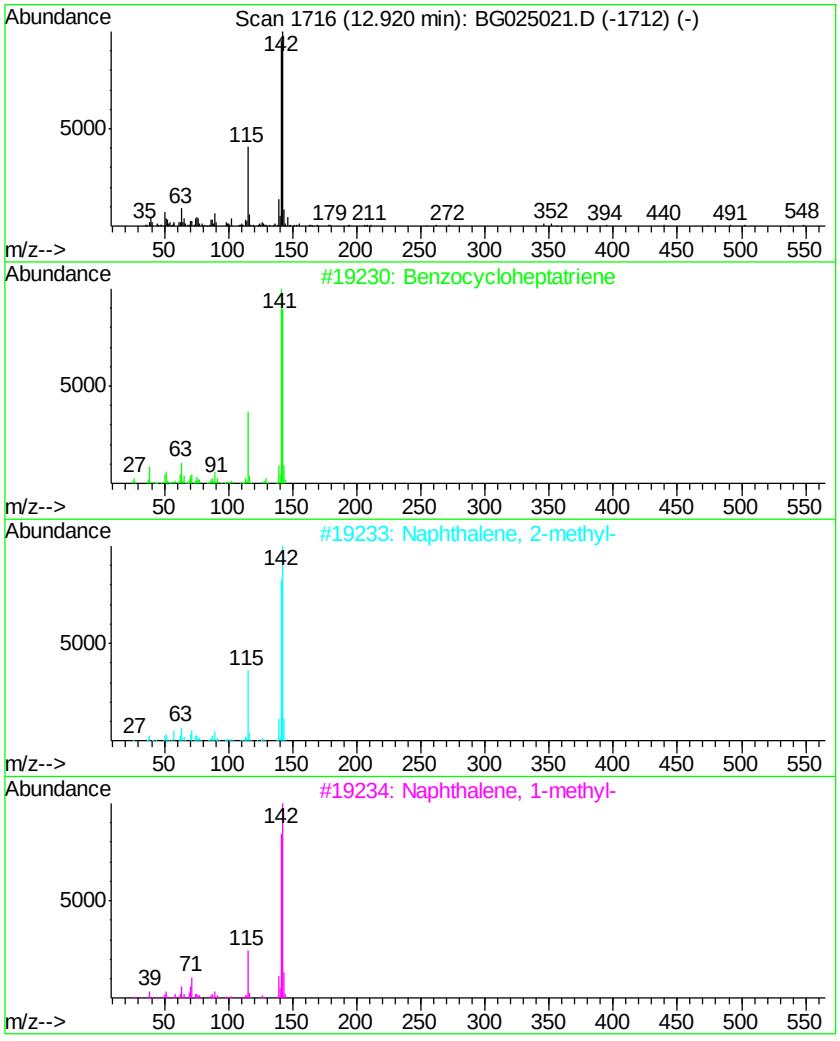
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

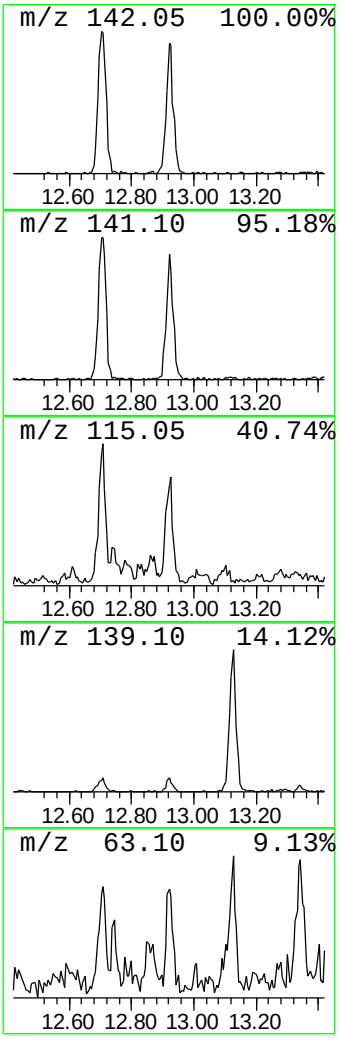
****

Peak Number 13 Benzocycloheptatriene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	4.76 ng/ul	270577	Naphthalene-d8	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

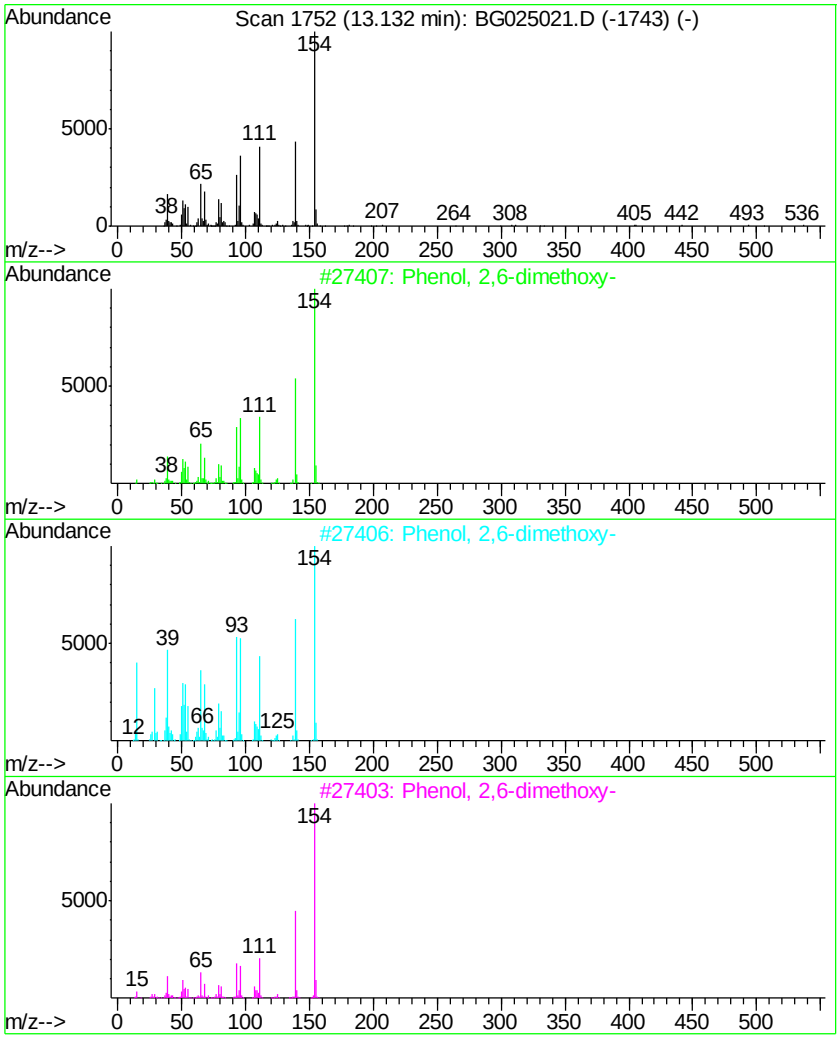
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

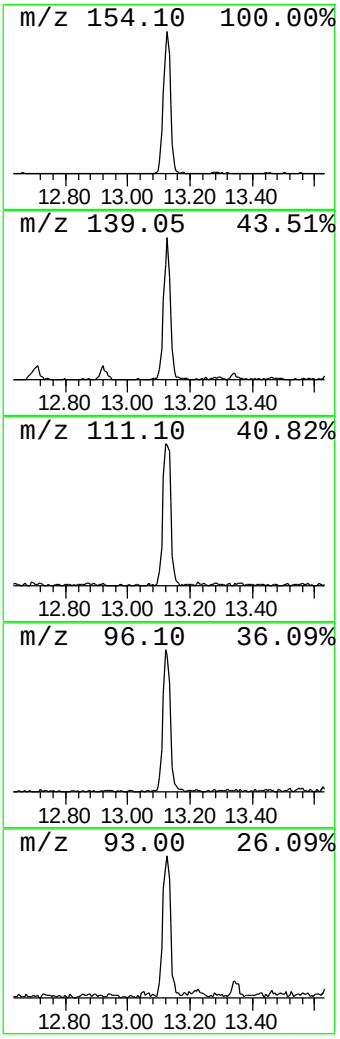
****

Peak Number 14 Phenol, 2,6-dimethoxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	10.66 ng/ul	1054920	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	93
2	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	90
3	Phenol, 2,6-dimethoxy-	154	C8H10O3	000091-10-1	70
4	Phenol, 3,4-dimethoxy-	154	C8H10O3	002033-89-8	68
5	Formic acid, 2,6-dimethoxyphenyl...	182	C9H10O4	1000368-91-0	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

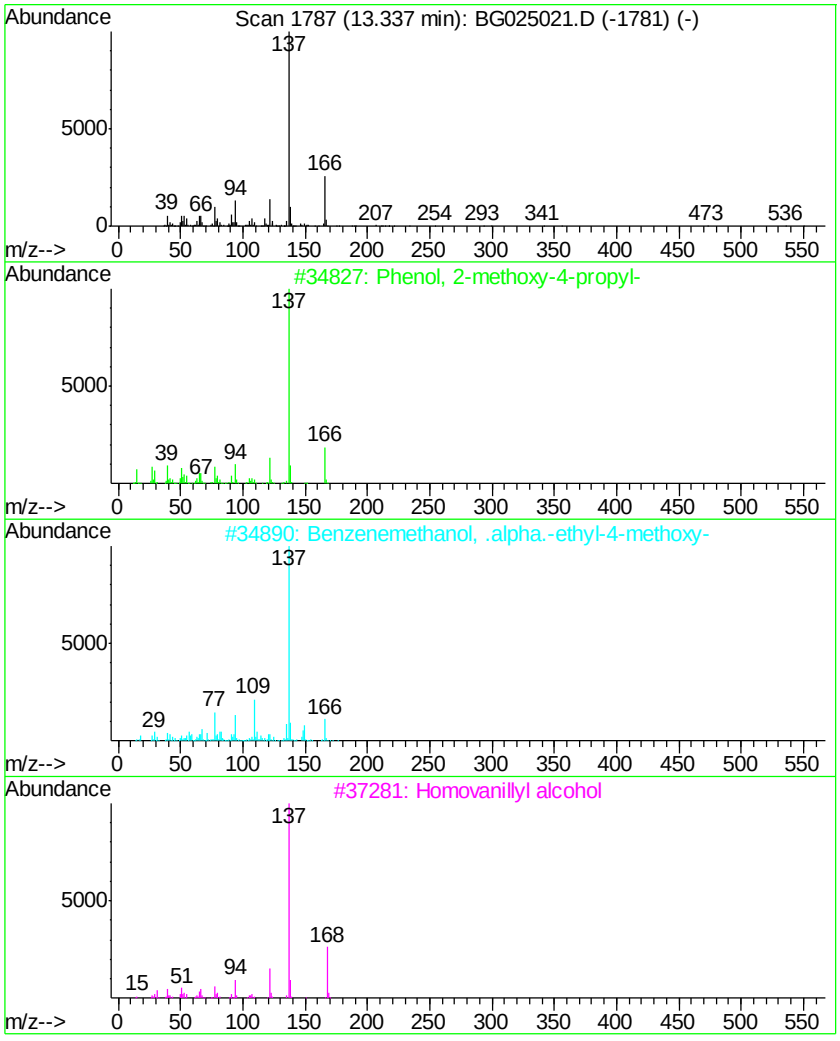
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

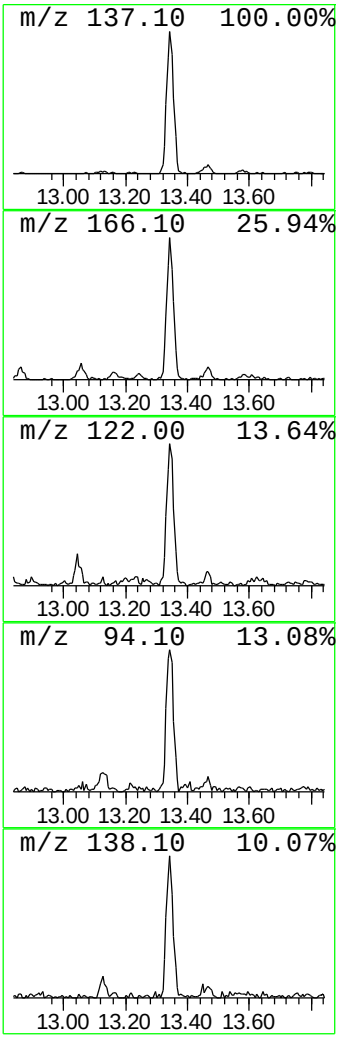
****

Peak Number 15 Phenol, 2-methoxy-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	8.30 ng/ul	821813	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-4-propyl-	166	C10H14O2	002785-87-7	91
2	Benzenemethanol, .alpha.-ethyl-4...	166	C10H14O2	005349-60-0	78
3	Homovanillyl alcohol	168	C9H12O3	002380-78-1	72
4	Phenylacetylformic acid, 4-hydro...	210	C10H10O5	001081-71-6	64
5	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

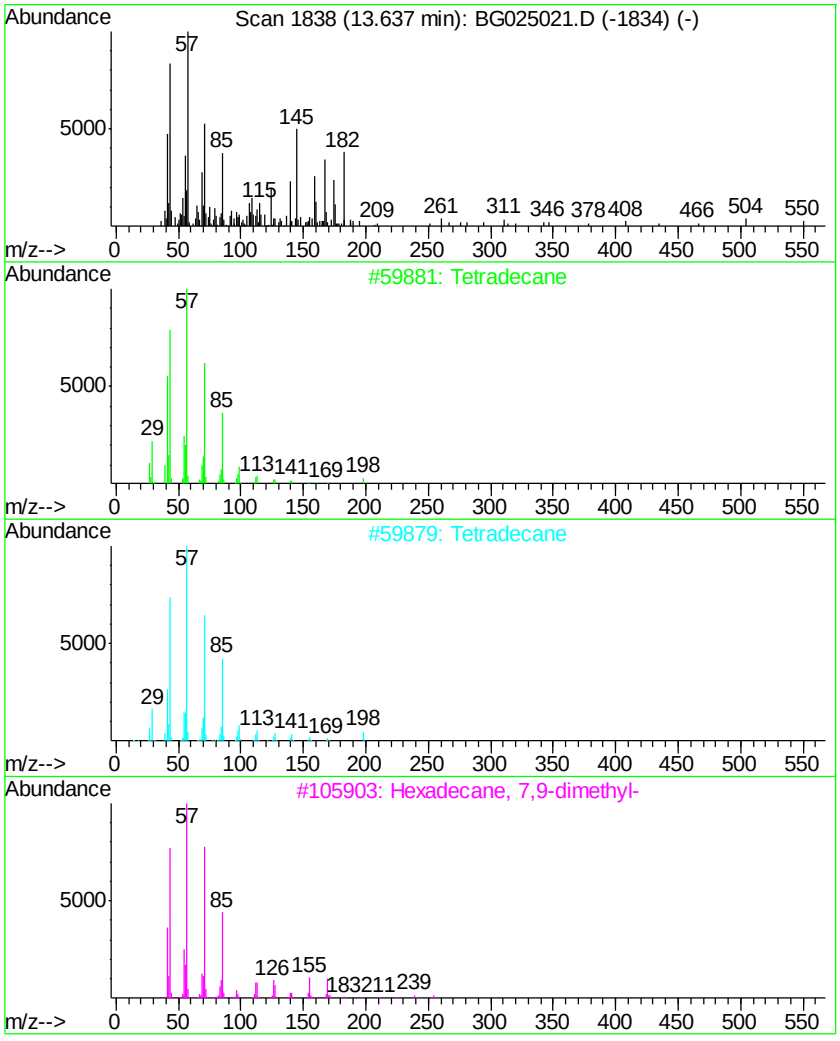
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

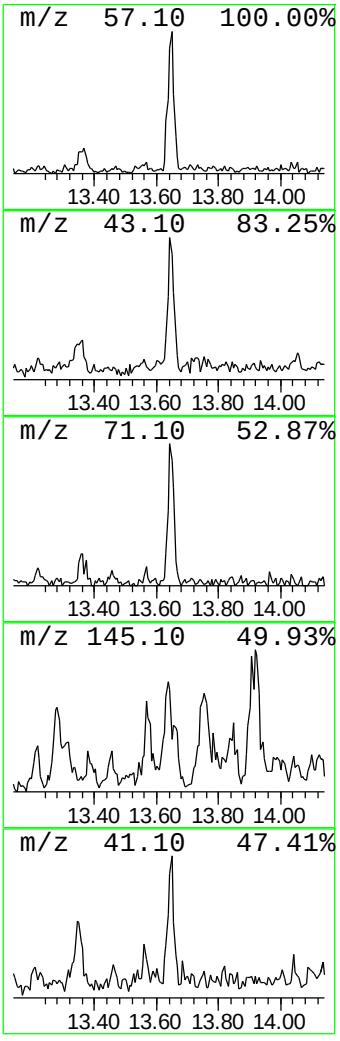
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.37 ng/ul	234952	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	59
2	Tetradecane	198	C14H30	000629-59-4	55
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	30
4	Tetradecane	198	C14H30	000629-59-4	30
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

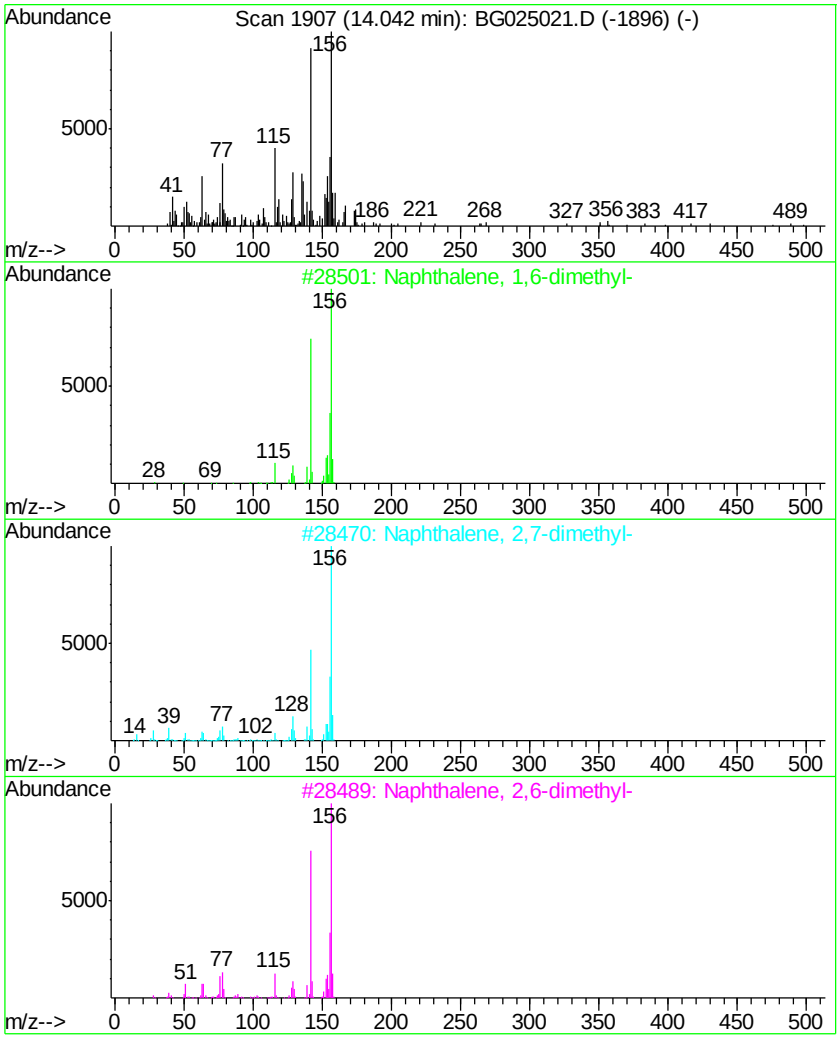
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

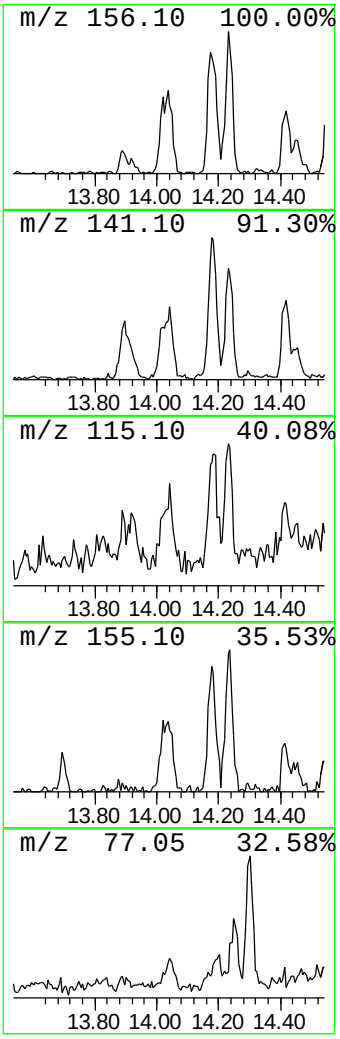
****

Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.54 ng/ul	350540	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	76
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	58
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

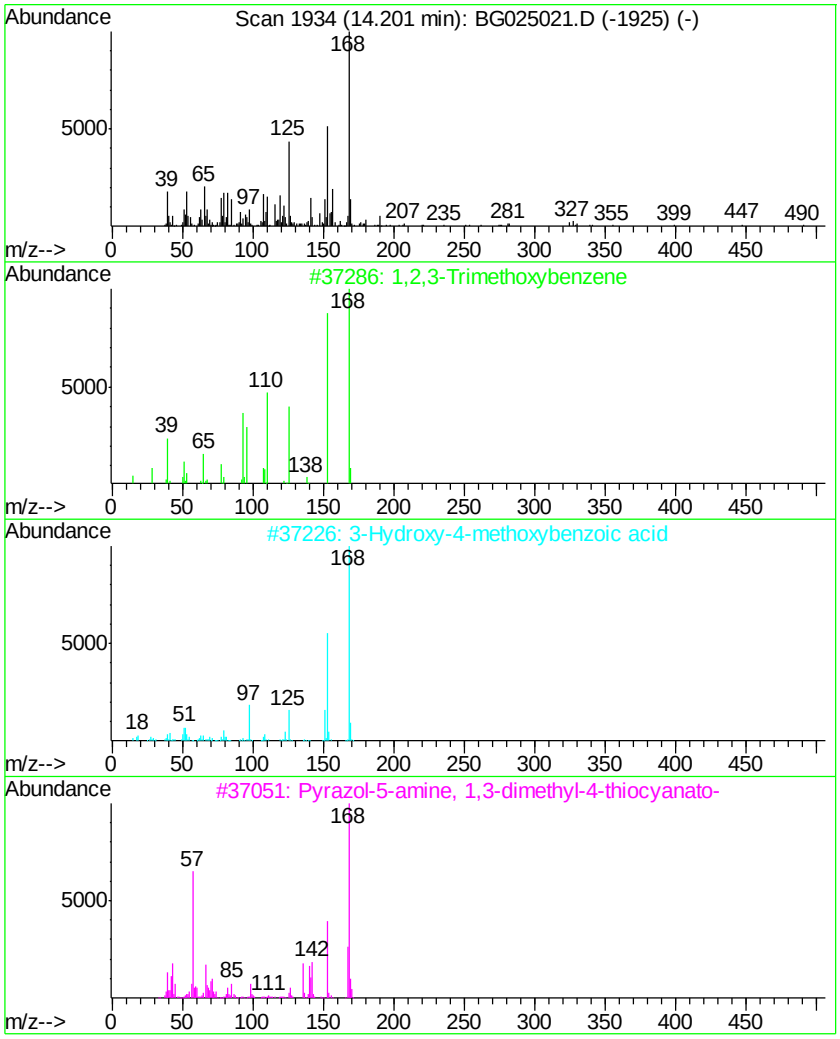
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

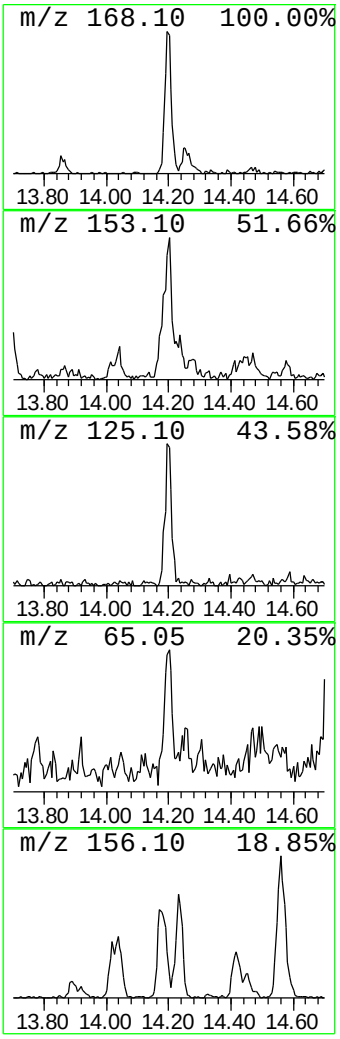
****

Peak Number 18 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	5.88 ng/ul	581742	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	43
2	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	38
3	Pyrazol-5-amine, 1,3-dimethyl-4-...	168	C6H8N4S	019688-92-7	38
4	Clobenzorex	259	C16H18ClN	013364-32-4	38
5	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

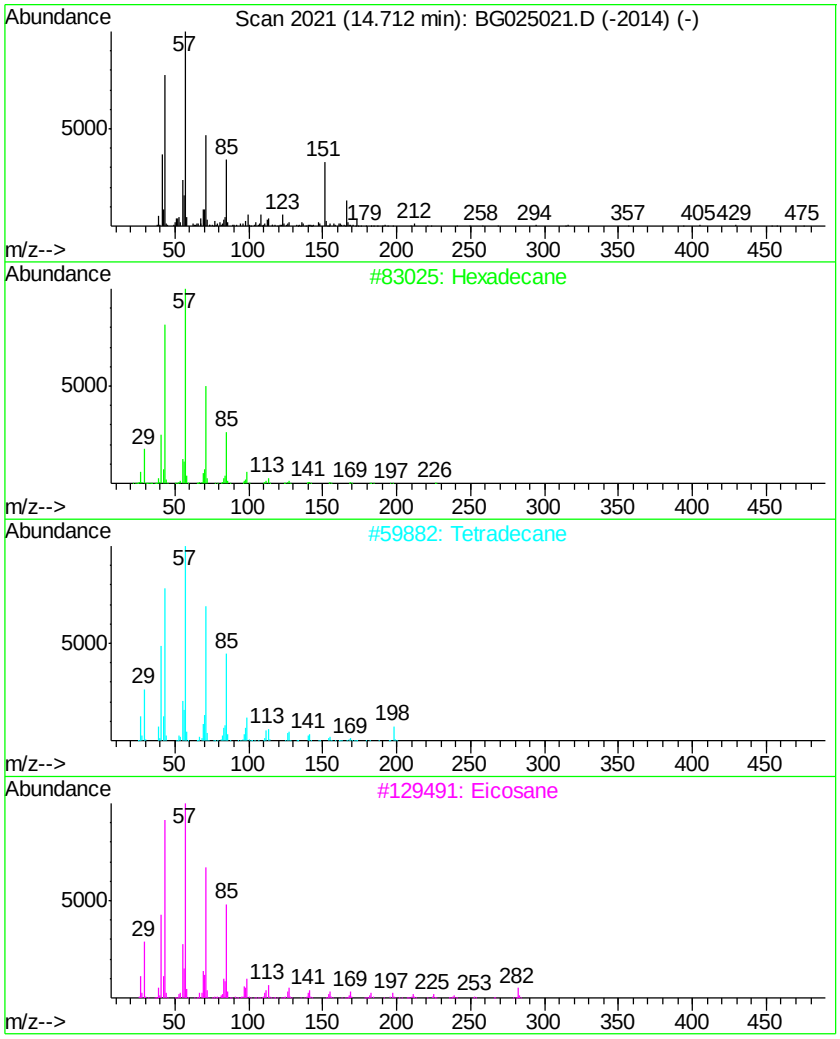
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

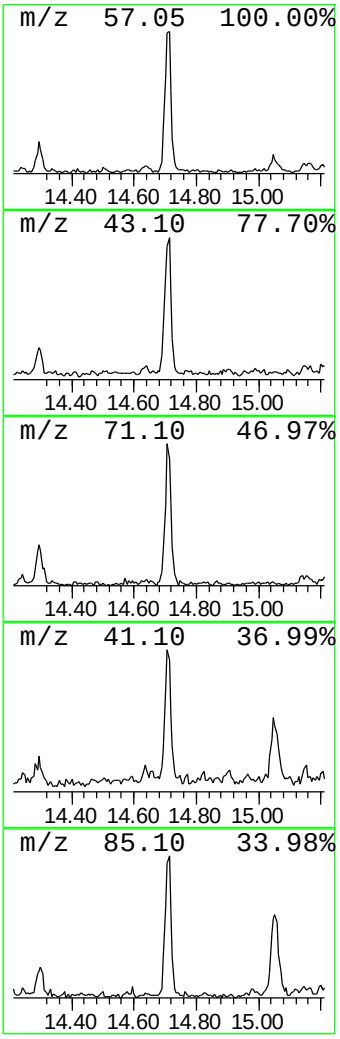
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	7.18 ng/ul	710995	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Tetradecane	198	C14H30	000629-59-4	87
3	Eicosane	282	C20H42	000112-95-8	64
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
5	Octacosane	394	C28H58	000630-02-4	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

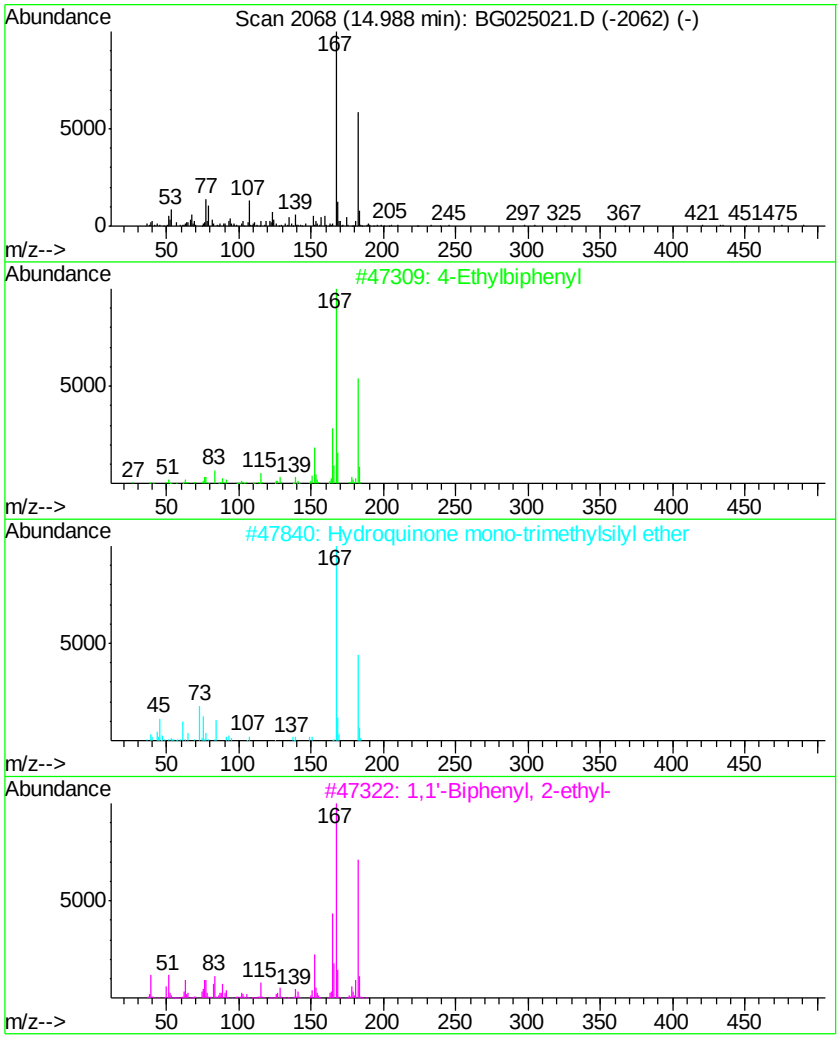
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

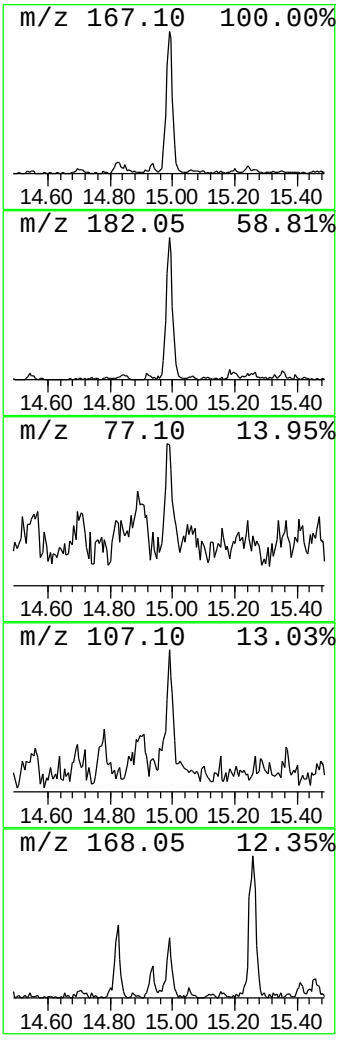
****

Peak Number 20 4-Ethylbiphenyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	4.52 ng/ul	447497	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbiphenyl	182	C14H14	005707-44-8	80
2	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	72
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	72
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	72
5	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

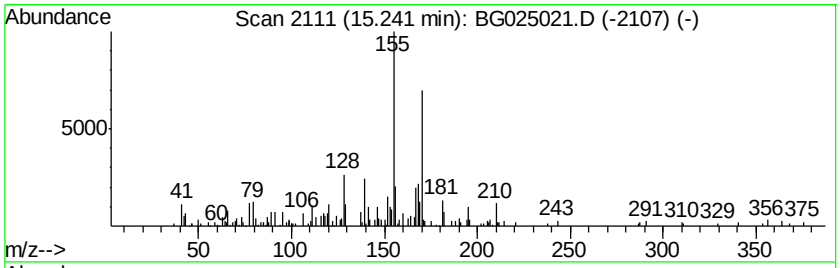
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

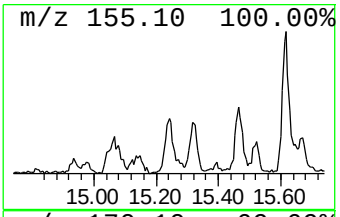
****

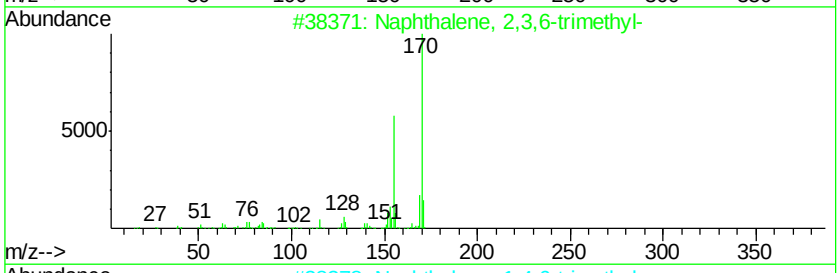
Peak Number 21 Naphthalene, 2,3,6-trimethyl- Concentration Rank 33

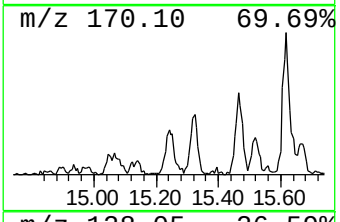
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	3.13 ng/ul	310073	Acenaphthene-d10	14.87

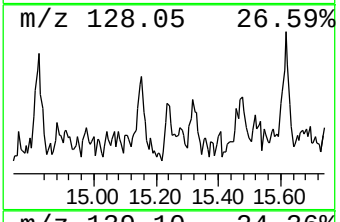
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	52

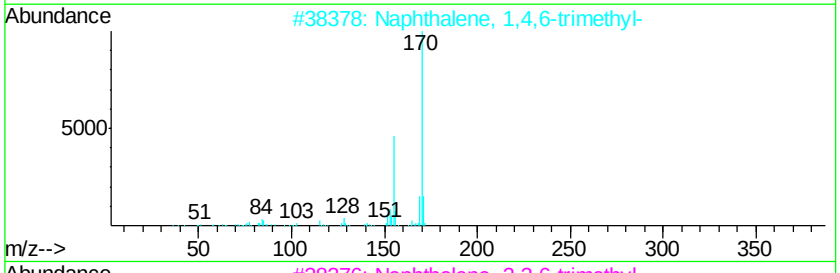


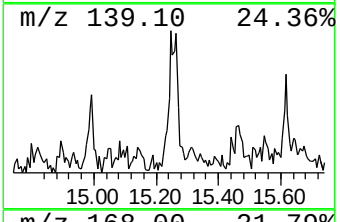


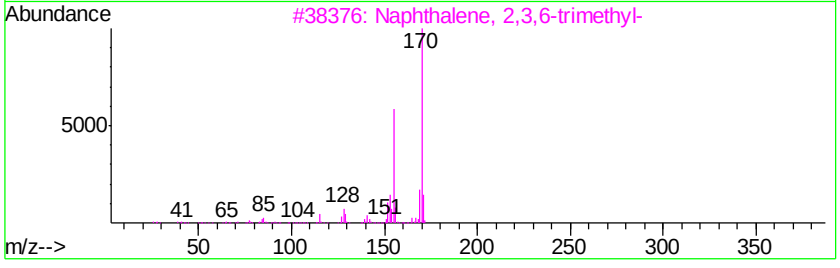


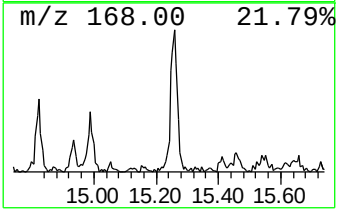












Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

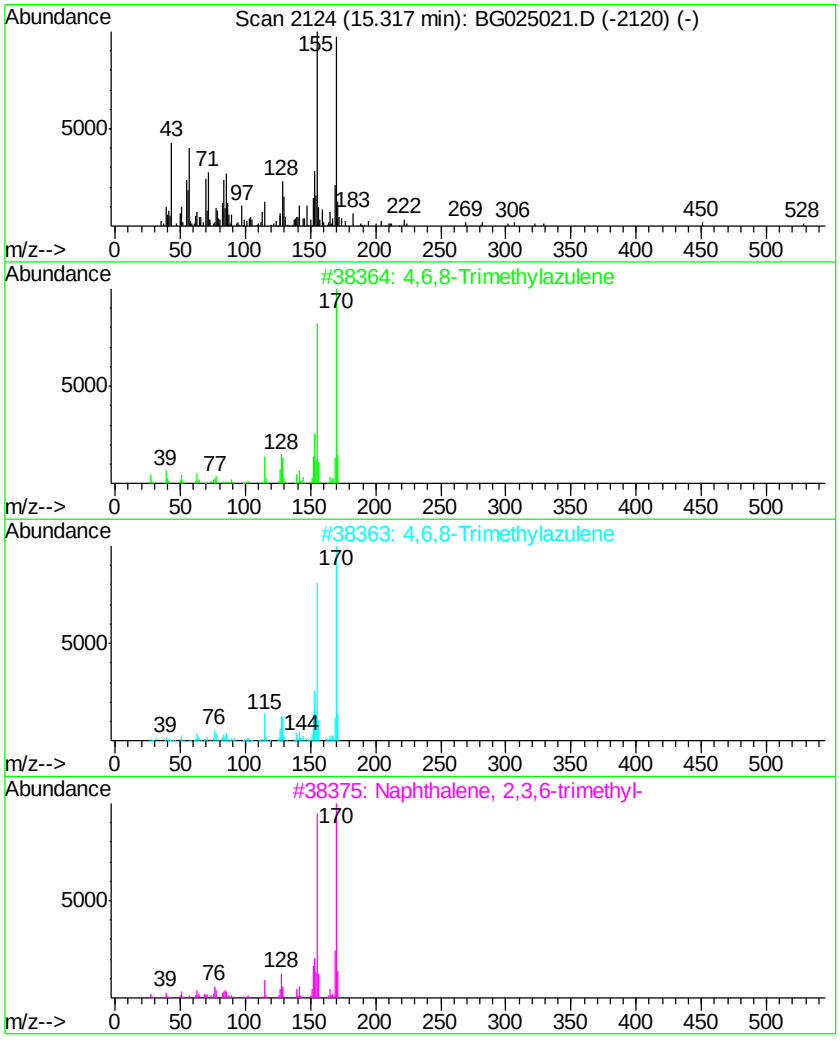
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

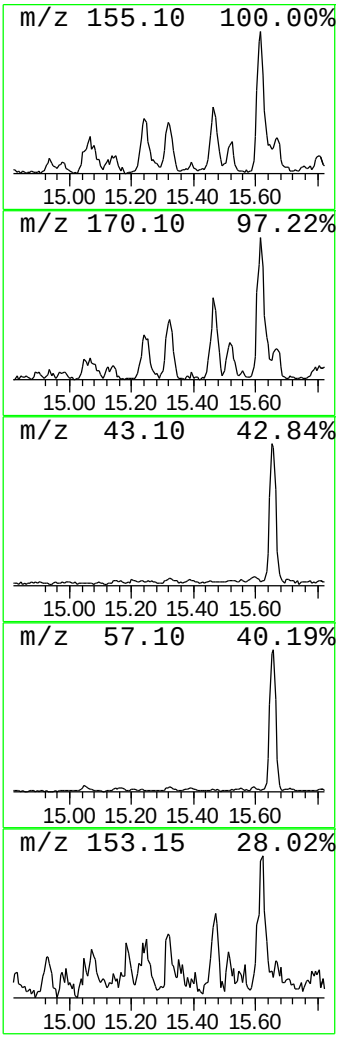
****

Peak Number 22 4,6,8-Trimethylazulene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.54 ng/ul	350407	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	96
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

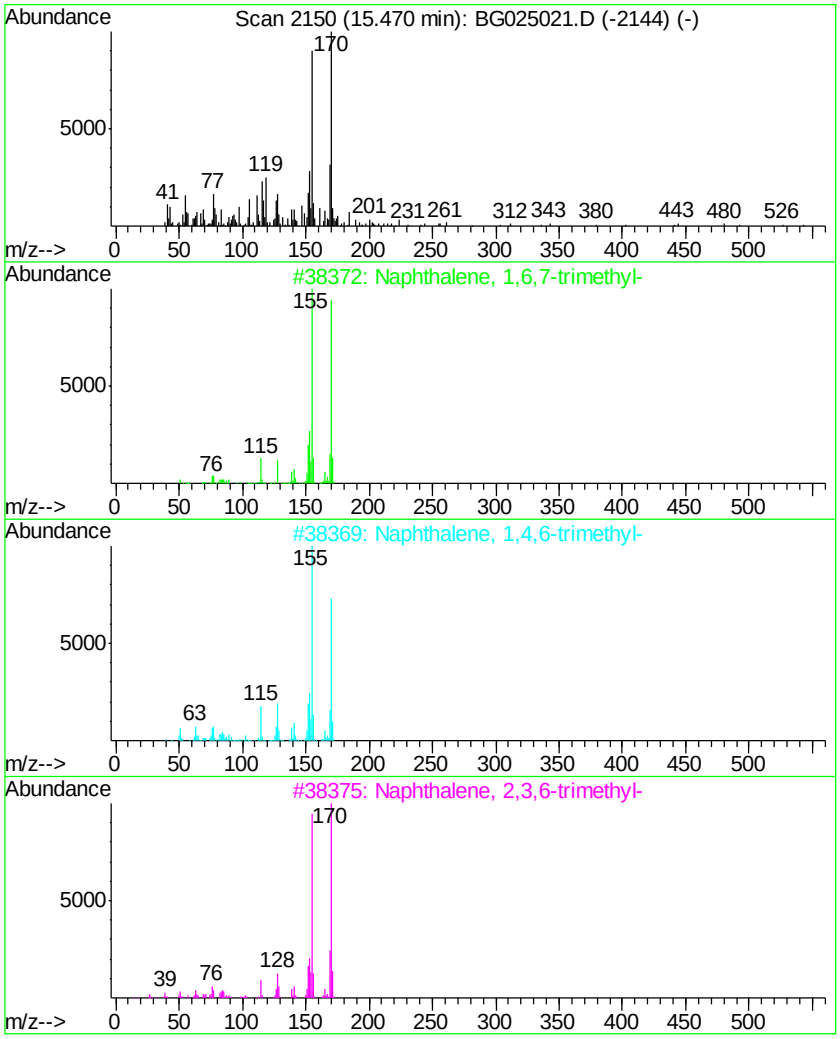
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

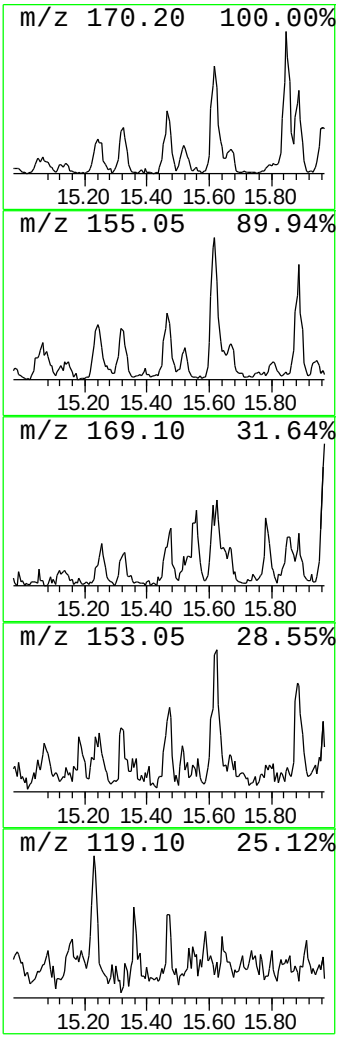
****

Peak Number 23 Naphthalene, 1,6,7-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.48 ng/ul	245039	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

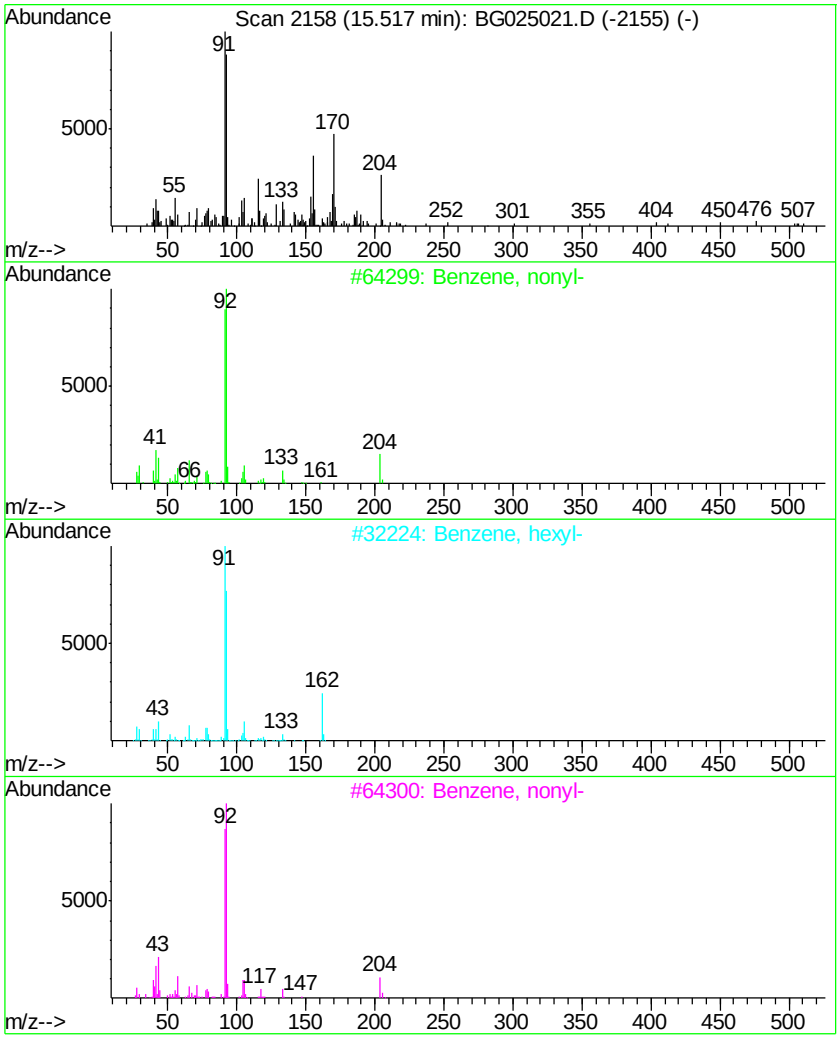
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

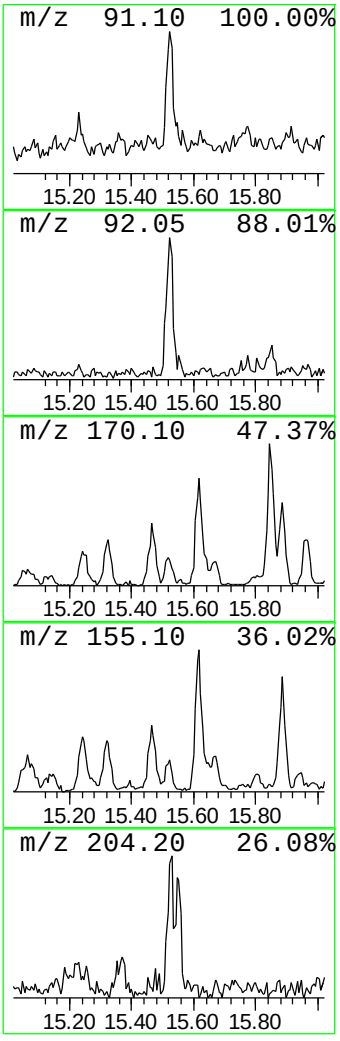
****

Peak Number 24 Benzene, nonyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.16 ng/ul	213613	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, nonyl-	204	C15H24	001081-77-2	64
2	Benzene, hexyl-	162	C12H18	001077-16-3	55
3	Benzene, nonyl-	204	C15H24	001081-77-2	52
4	Bicyclo[2.2.2]oct-7-en-2-one, 5-...	134	C9H10O	1000217-18-1	46
5	Bicyclo[3.1.0]hex-2-ene, 4-methy...	134	C10H14	036262-09-6	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

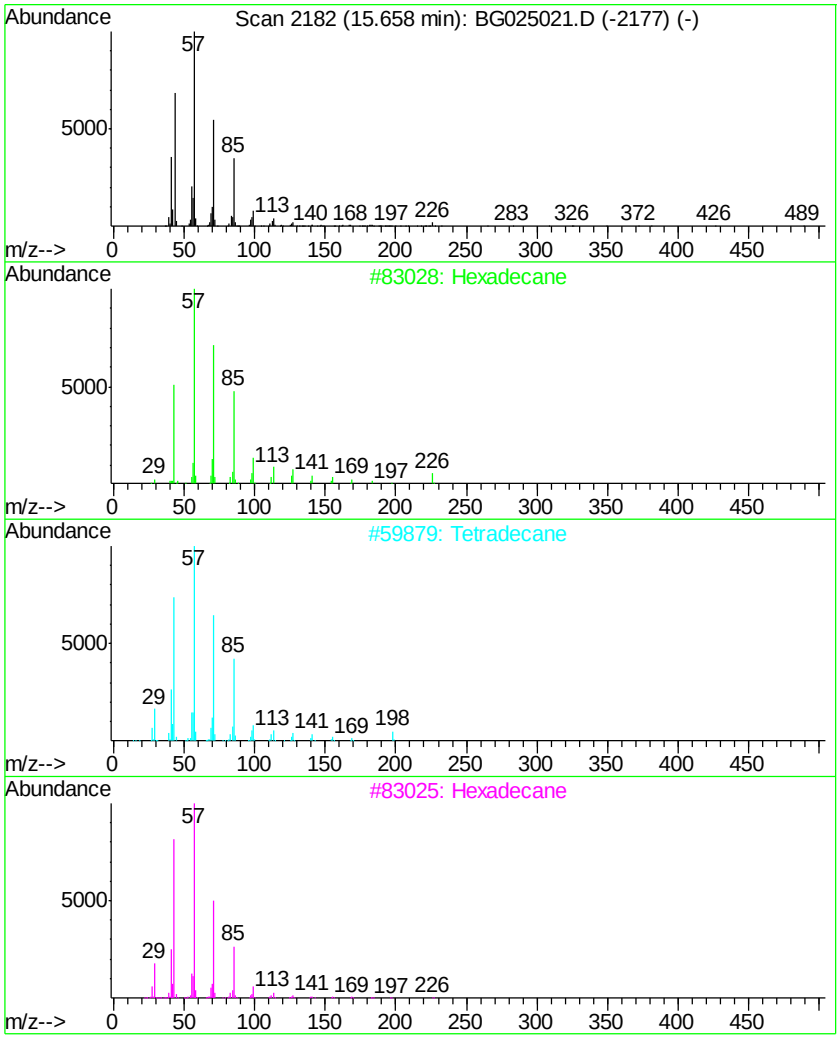
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

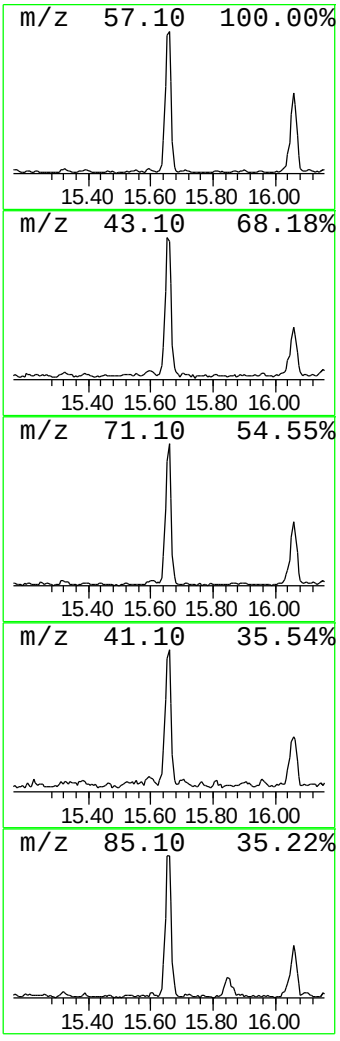
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	16.40 ng/ul	1623460	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

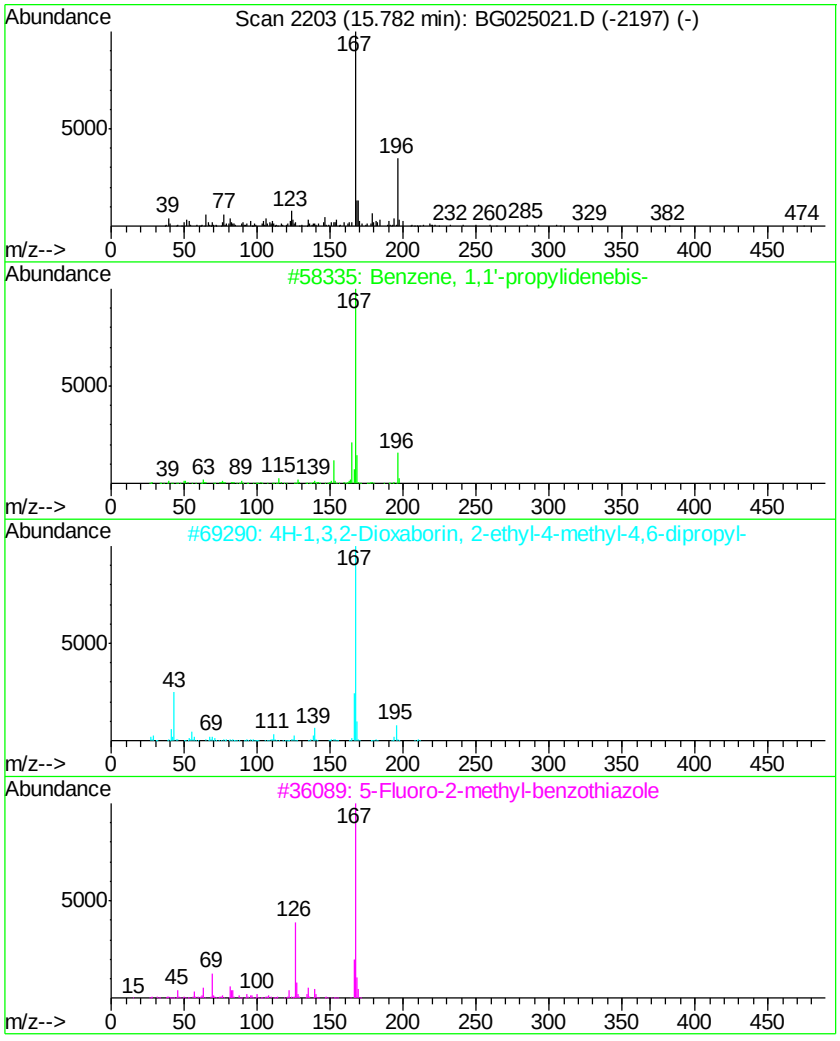
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

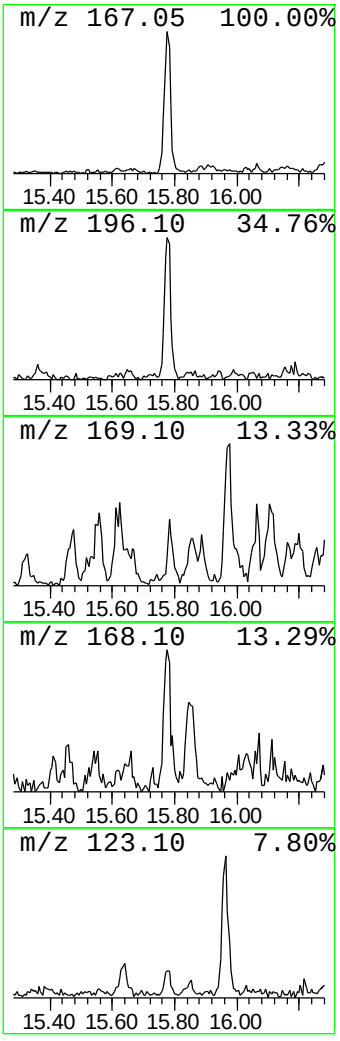
****

Peak Number 27 Benzene, 1,1'-propylidenebis- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	2.72 ng/ul	268873	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	72
2	4H-1,3,2-Dioxaborin, 2-ethyl-4-m...	210	C12H23BO2	074421-10-6	52
3	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	52
4	1,3-Benzodithiolane, 4-methyl-2-...	254	C13H18OS2	067855-54-3	50
5	1-Butanone, 3-methyl-1-(2,4,6-tr...	224	C12H16O4	049583-27-9	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

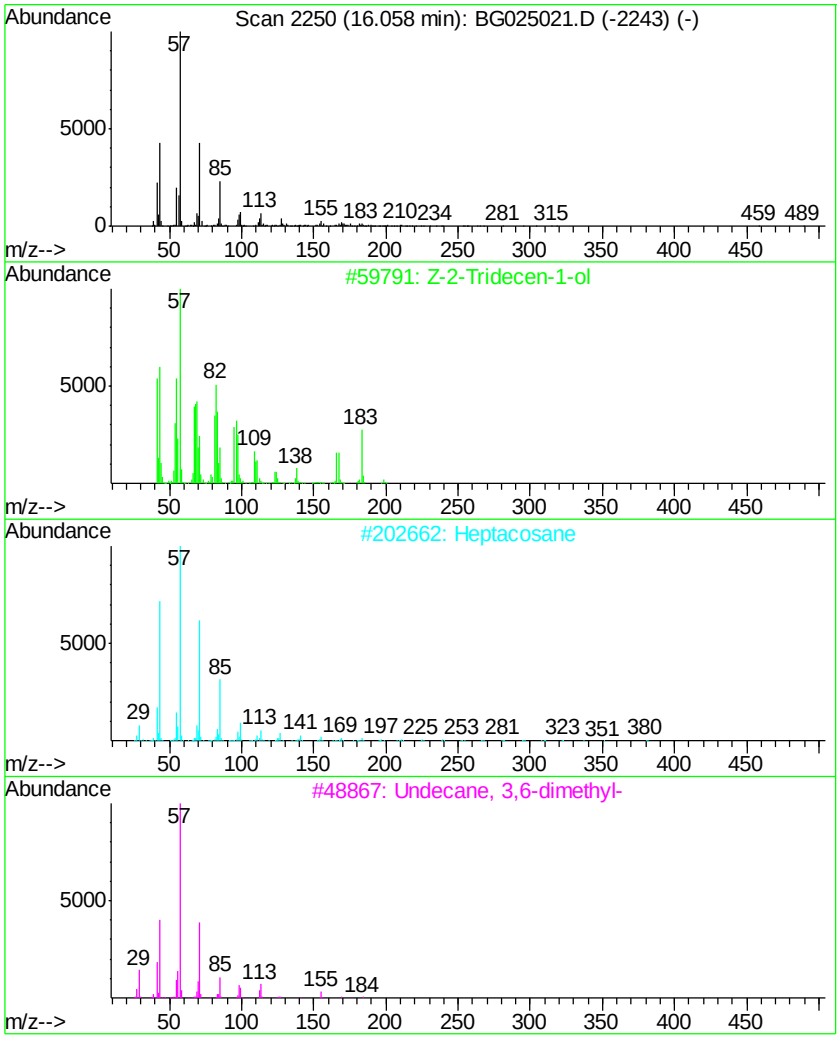
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

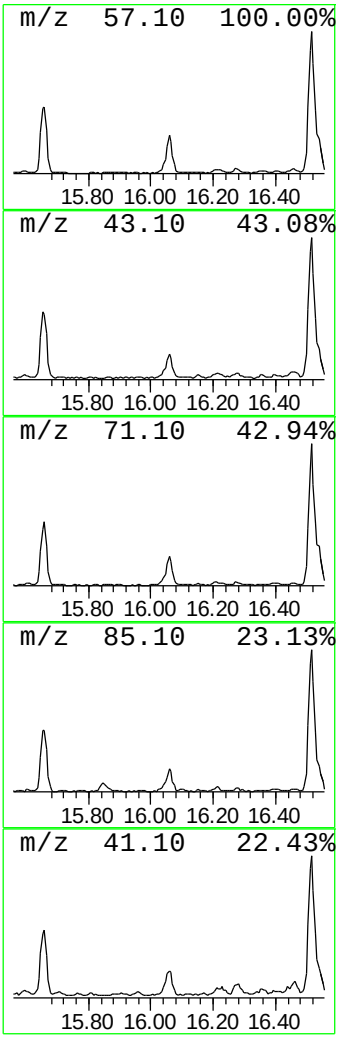
****

Peak Number 28 Z-2-Tridecen-1-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	8.26 ng/ul	817689	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	93
2	Heptacosane	380	C27H56	000593-49-7	87
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	74
5	Heneicosane	296	C21H44	000629-94-7	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

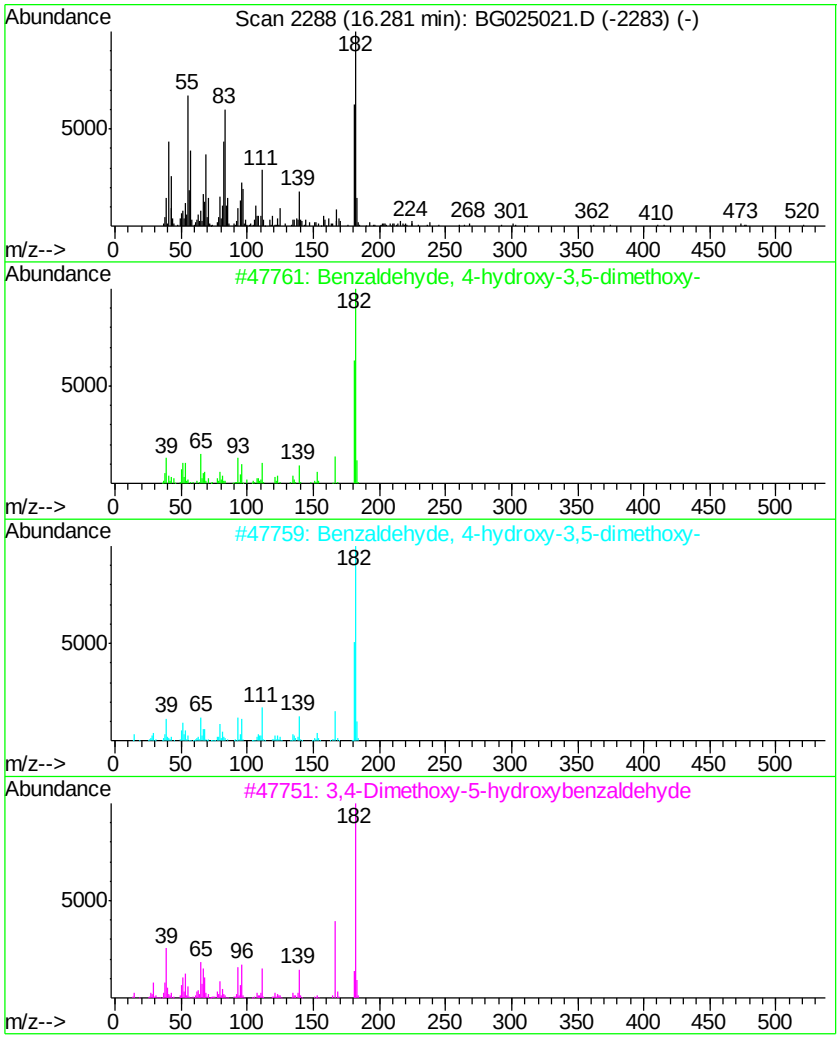
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

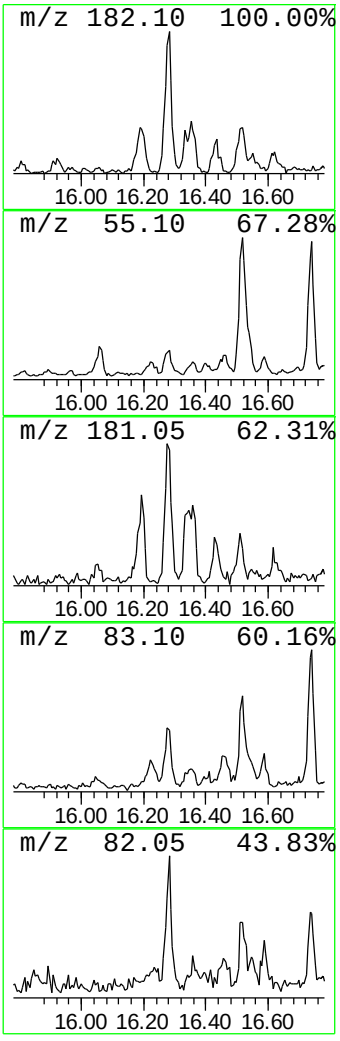
****

Peak Number 29 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.85 ng/ul	582376	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	53
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	52
3	3,4-Dimethoxy-5-hydroxybenzaldehyde	182	C9H10O4	029865-90-5	50
4	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	49
5	4-Acetoxy-3,5-dimethoxybenzaldehyde	224	C11H12O5	053669-33-3	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

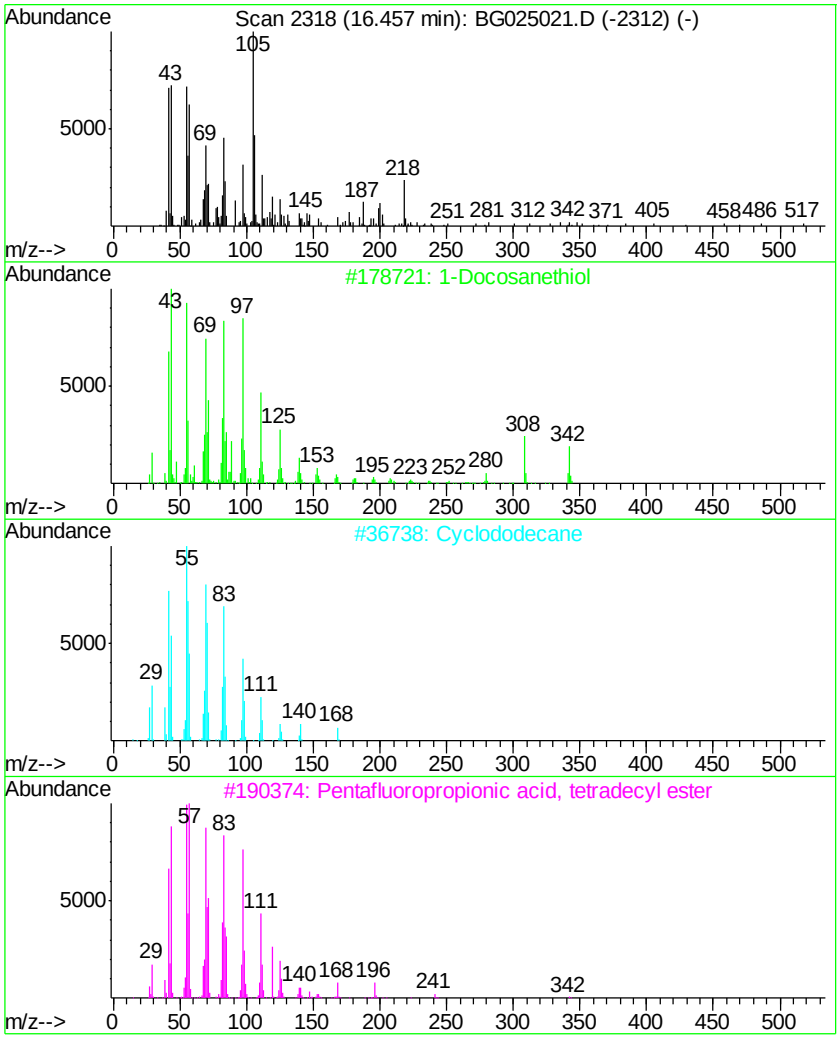
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

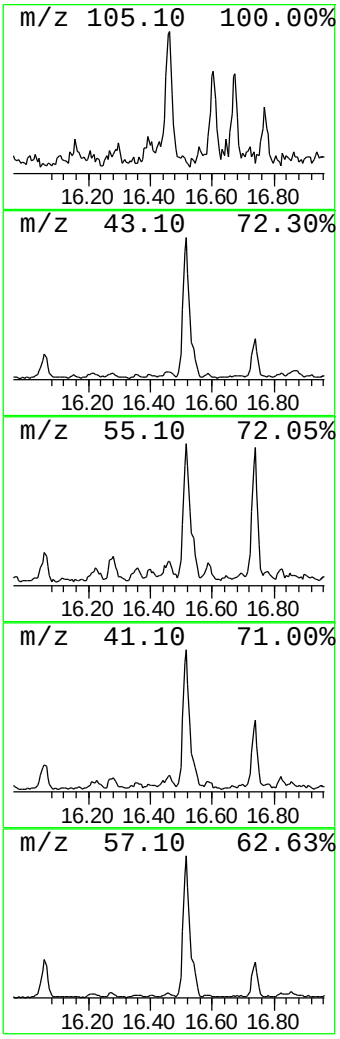
****

Peak Number 30 unknown-04 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	2.90 ng/ul	438138	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosanethiol	342	C22H46S	007773-83-3	46
2	Cyclododecane	168	C12H24	000294-62-2	43
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	43
4	Pentafluoropropionic acid, tride...	346	C16H27F5O2	959261-22-4	38
5	Cyclooctane, methyl-	126	C9H18	001502-38-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

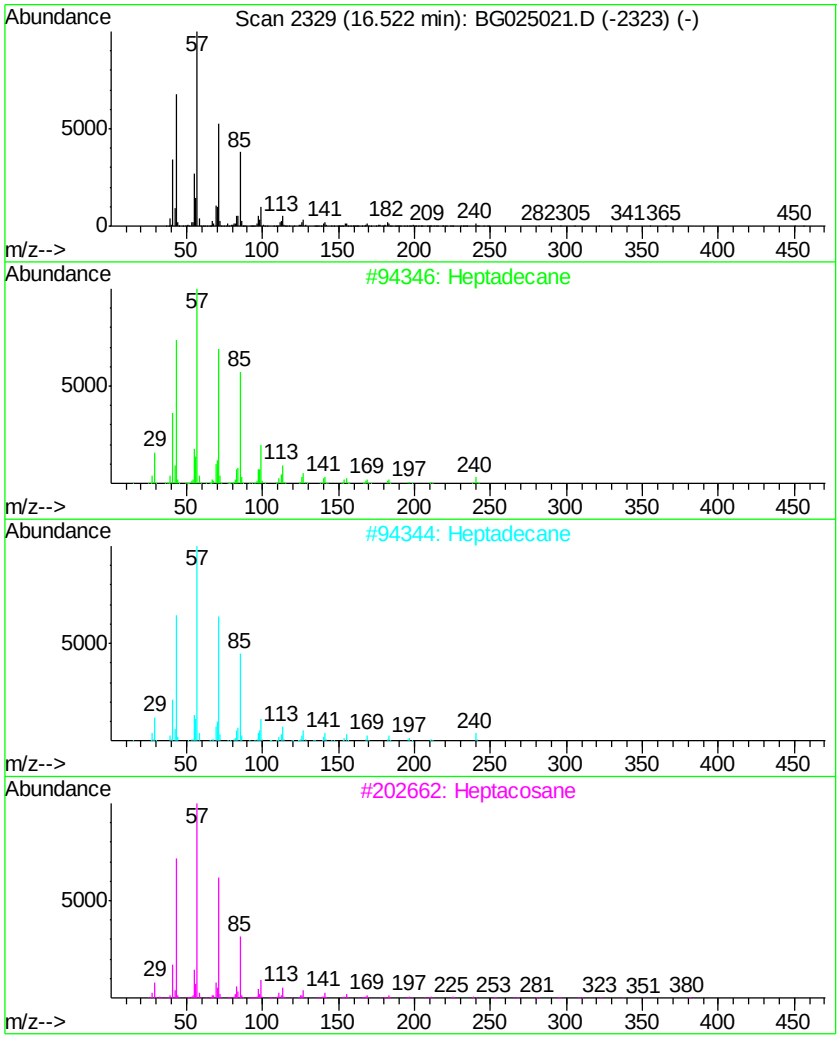
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

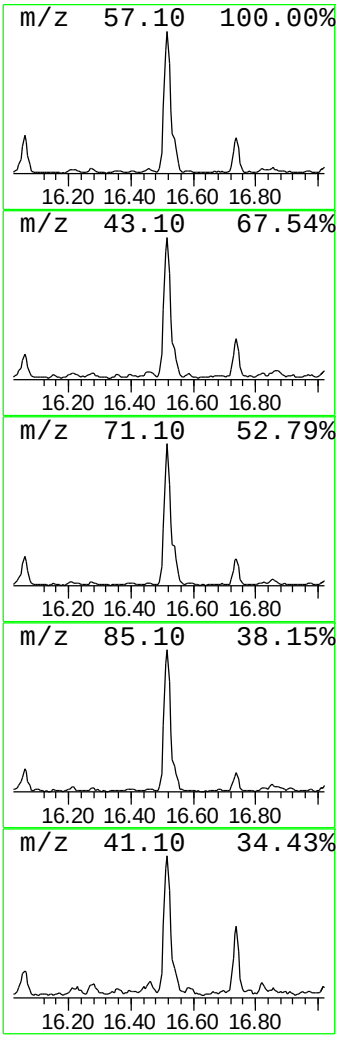
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	29.33 ng/ul	4434410	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heptacosane	380	C27H56	000593-49-7	91
4	Tridecane	184	C13H28	000629-50-5	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

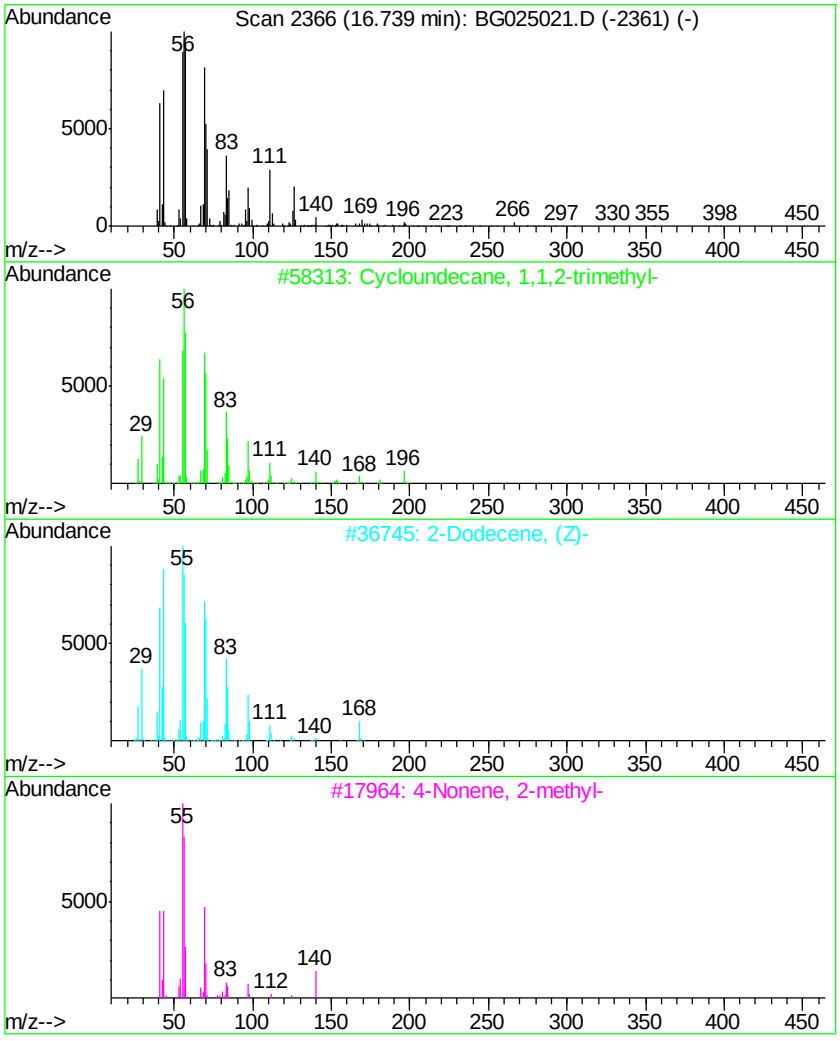
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

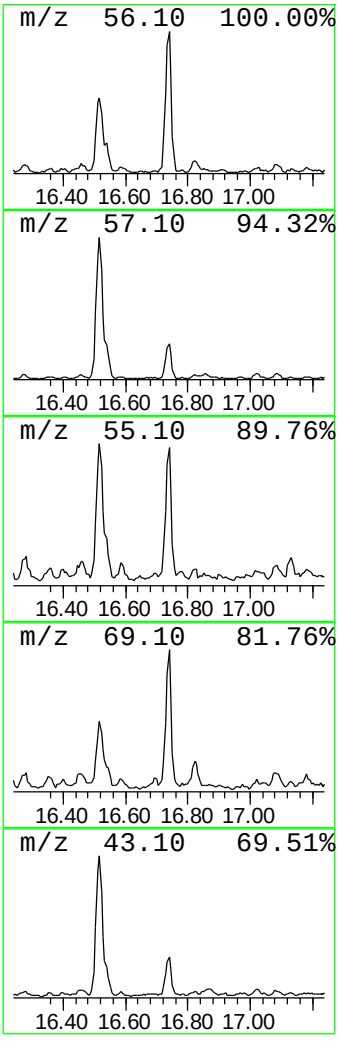
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic16.74 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	10.58 ng/ul	1600410	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloundecane, 1,1,2-trimethyl-	196	C14H28	062376-15-2	76
2	2-Dodecene, (Z)-	168	C12H24	007206-26-0	64
3	4-Nonene, 2-methyl-	140	C10H20	055724-84-0	58
4	2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	58
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

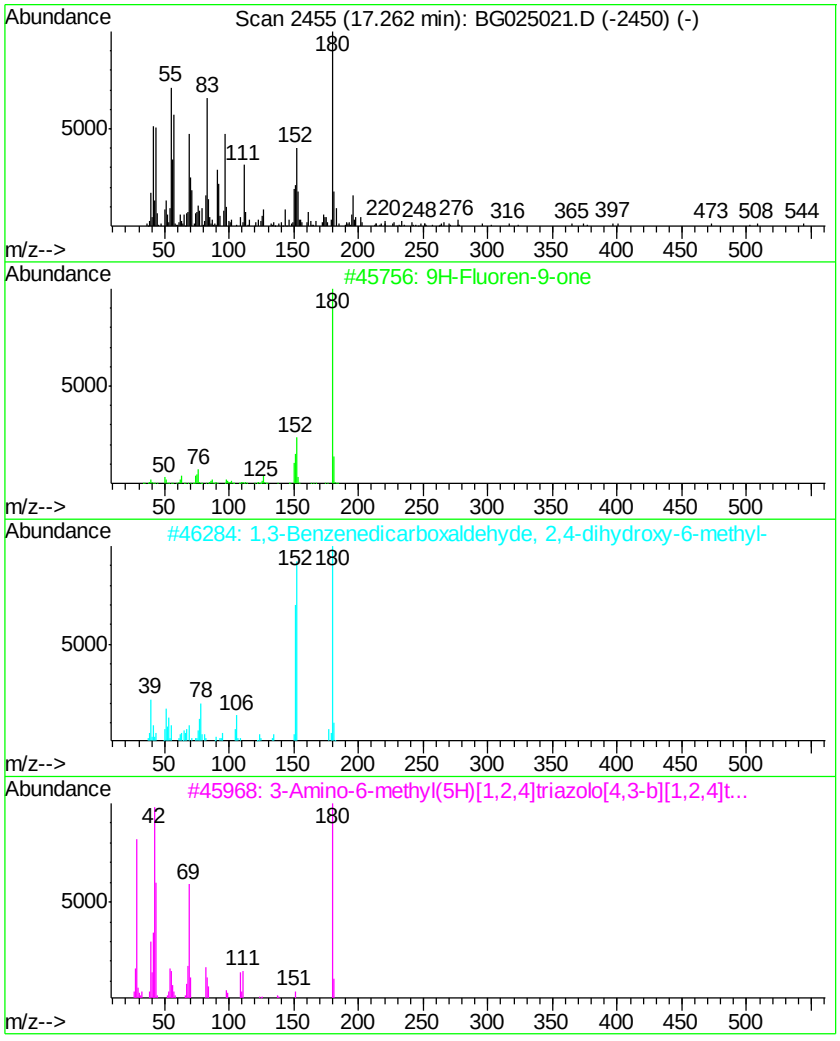
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

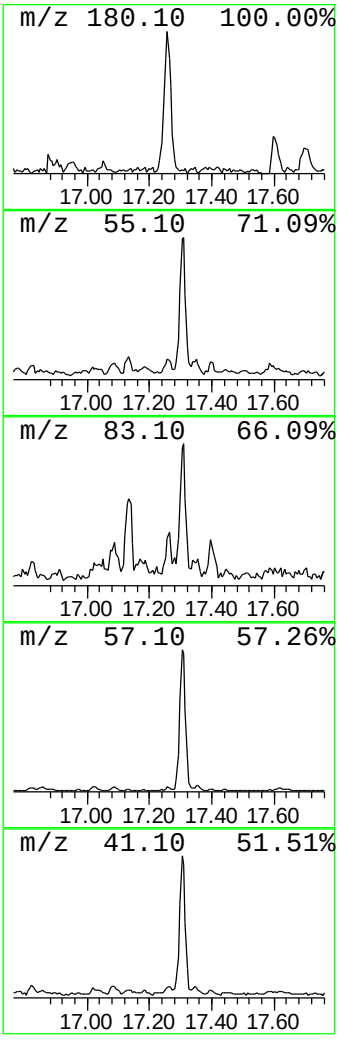
****

Peak Number 34 unknown-05 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.42 ng/ul	366035	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
2	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43
3	3-Amino-6-methyl(5H)[1,2,4]triaz...	180	C6H8N6O	349570-43-0	35
4	Heptane, 1,1-dicyclohexyl-	264	C19H36	002090-15-5	35
5	4-Chloro-2-hydroxy-1,5-naphthyri...	180	C8H5ClN2O	095474-59-2	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

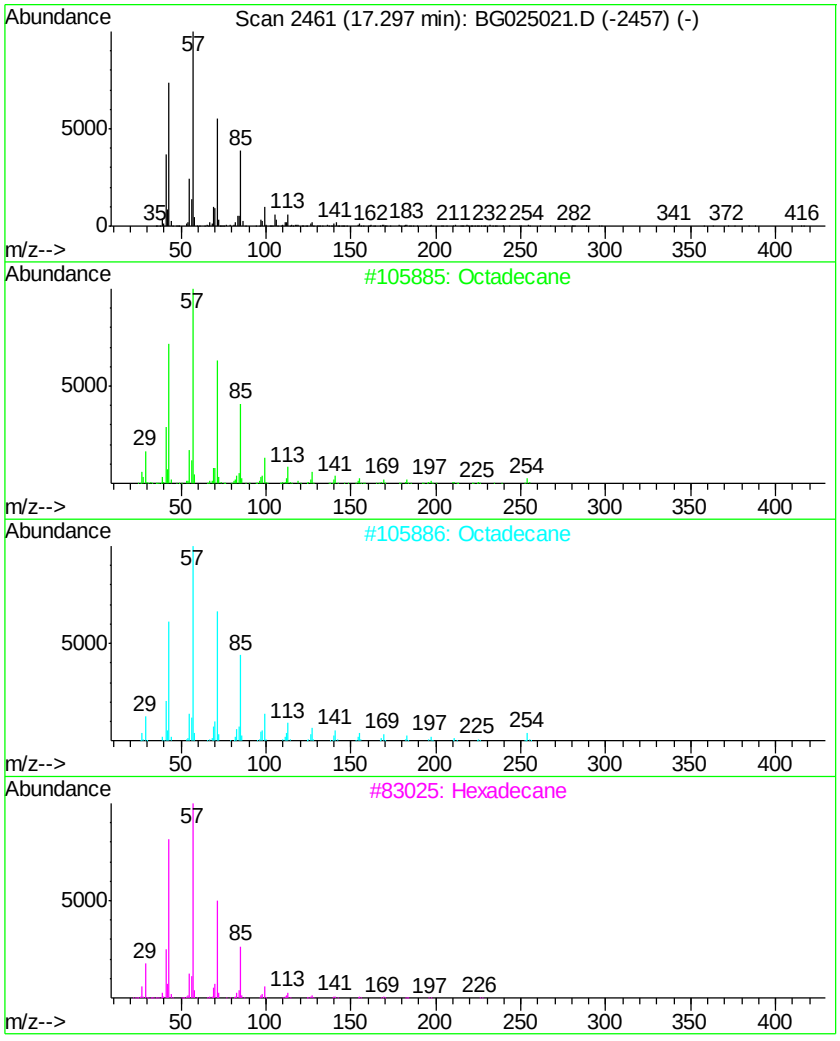
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

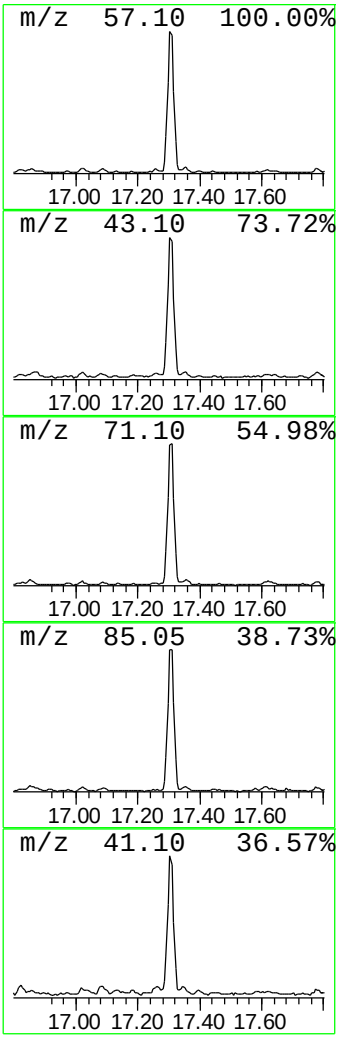
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	26.39 ng/ul	3990110	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Octadecane	254	C18H38	000593-45-3	94
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

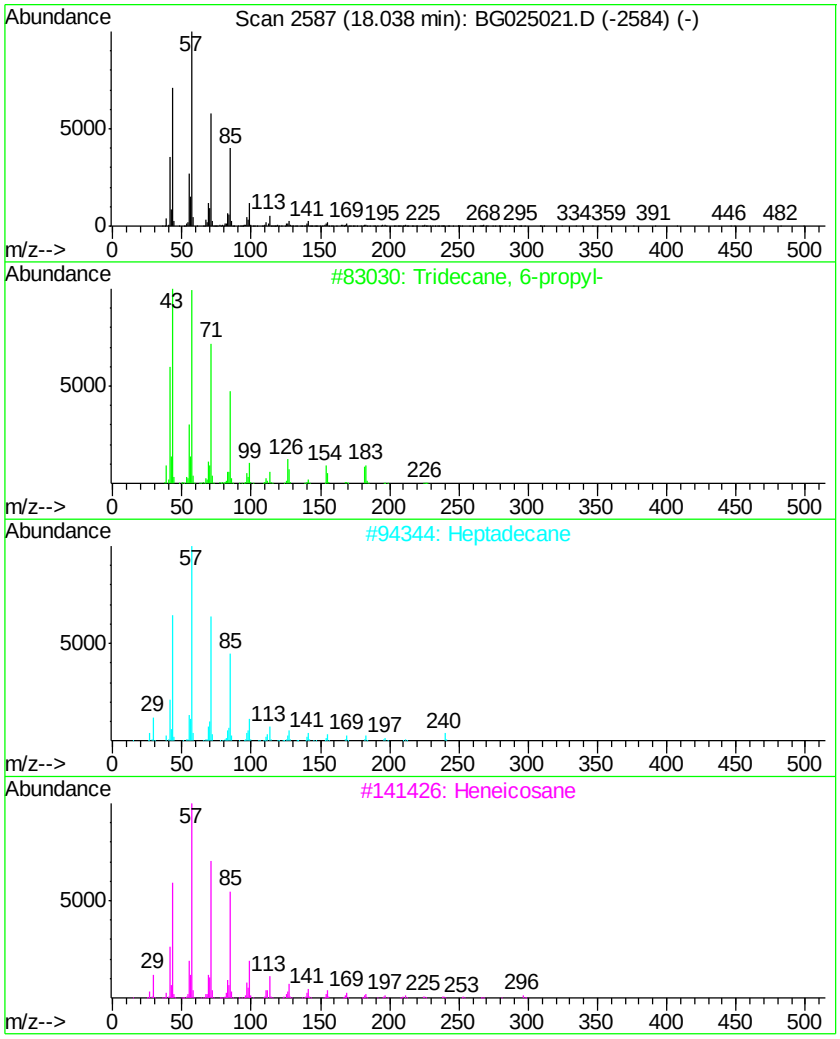
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

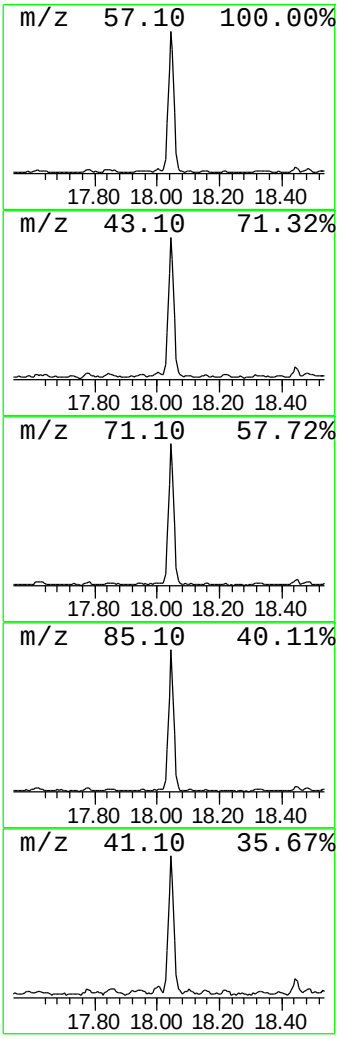
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	28.20 ng/ul	4264570	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
2	Heptadecane	240	C17H36	000629-78-7	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

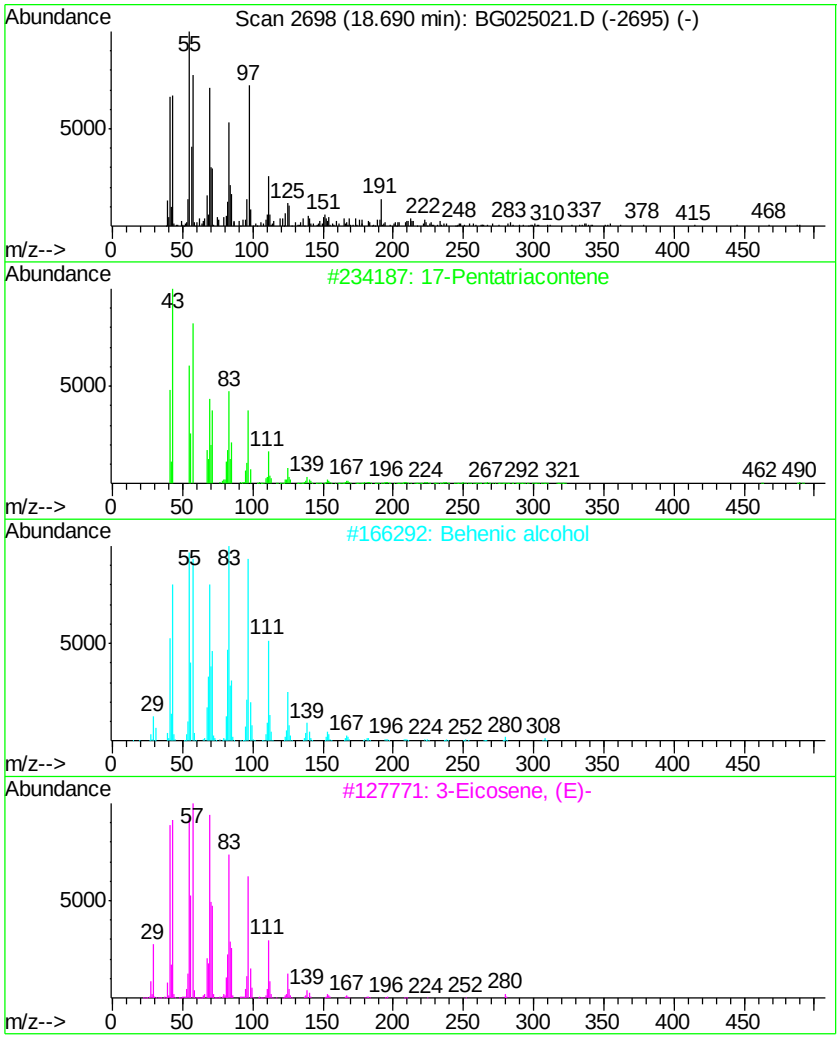
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

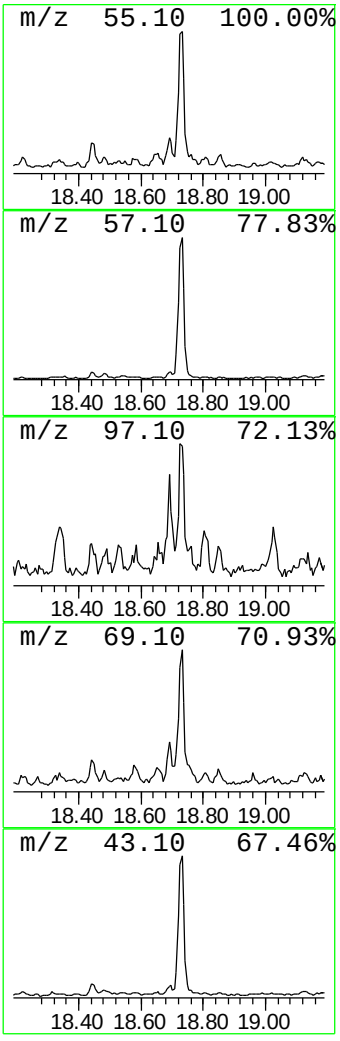
****

Peak Number 39 (DEL) Alkane: Cyclic18.69 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.62 ng/ul	396130	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	81
2	Behenic alcohol	326	C22H46O	000661-19-8	80
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	76
4	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	70
5	4-Trifluoroacetoxyhexadecane	338	C18H33F3O2	1000215-97-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

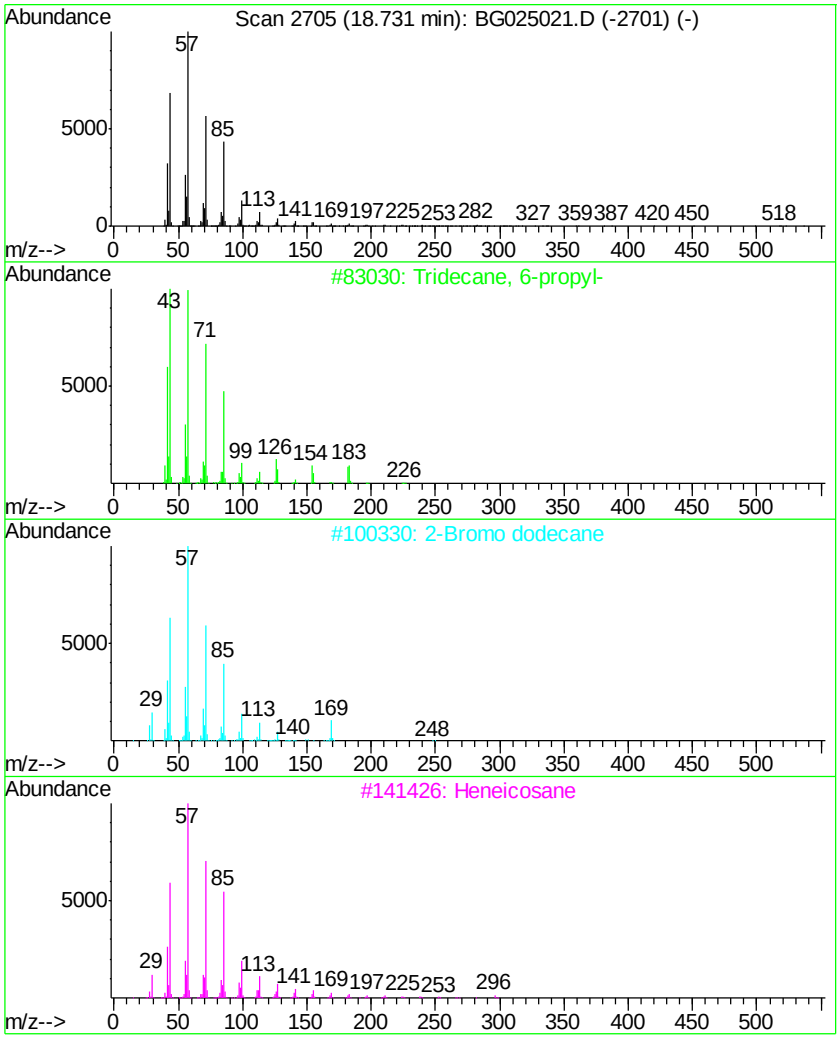
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

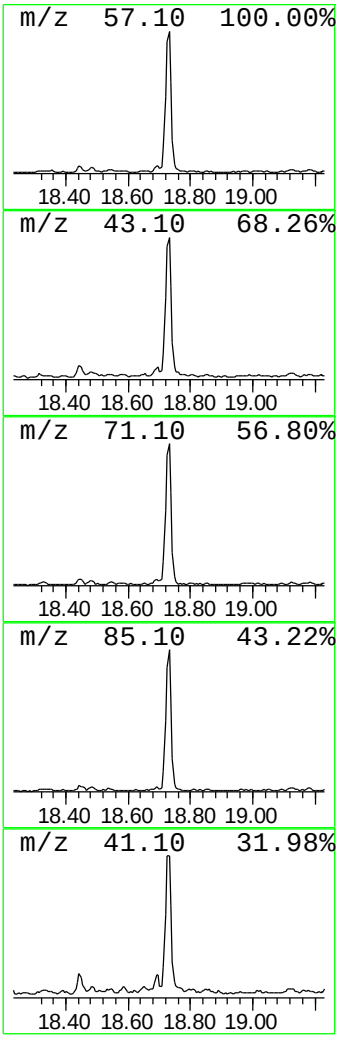
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	24.71 ng/ul	3736710	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptacosane	380	C27H56	000593-49-7	87
5	Nonadecane	268	C19H40	000629-92-5	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

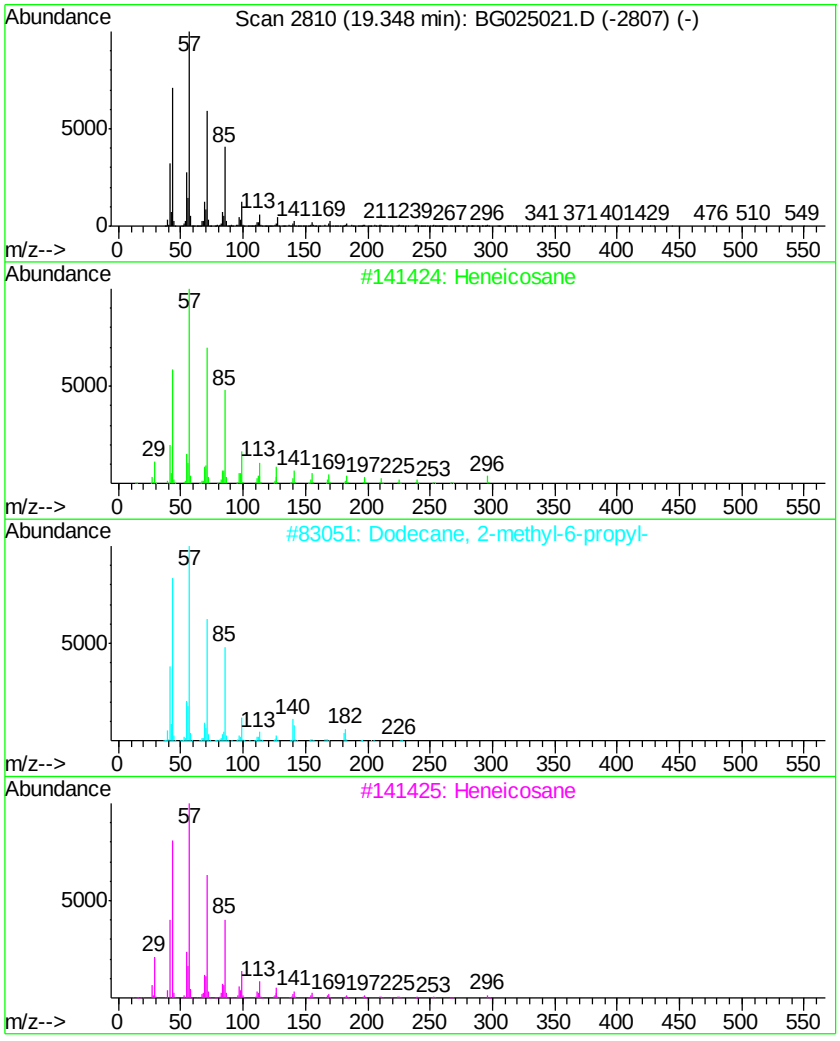
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

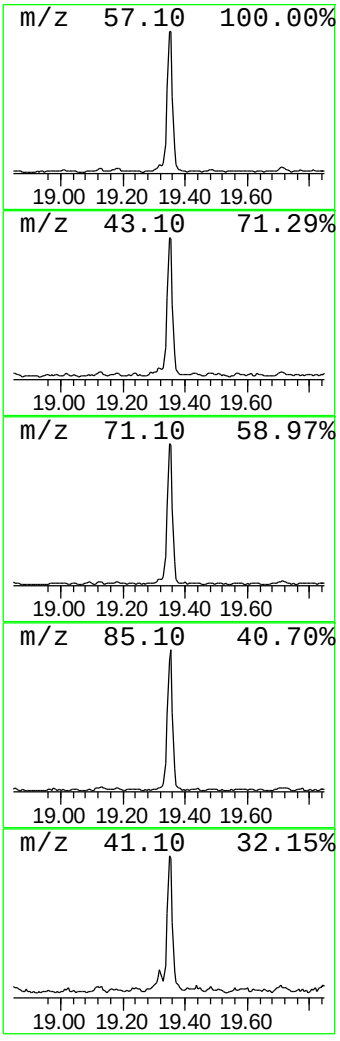
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	19.70 ng/ul	2977950	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	94
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Pentadecane	212	C15H32	000629-62-9	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

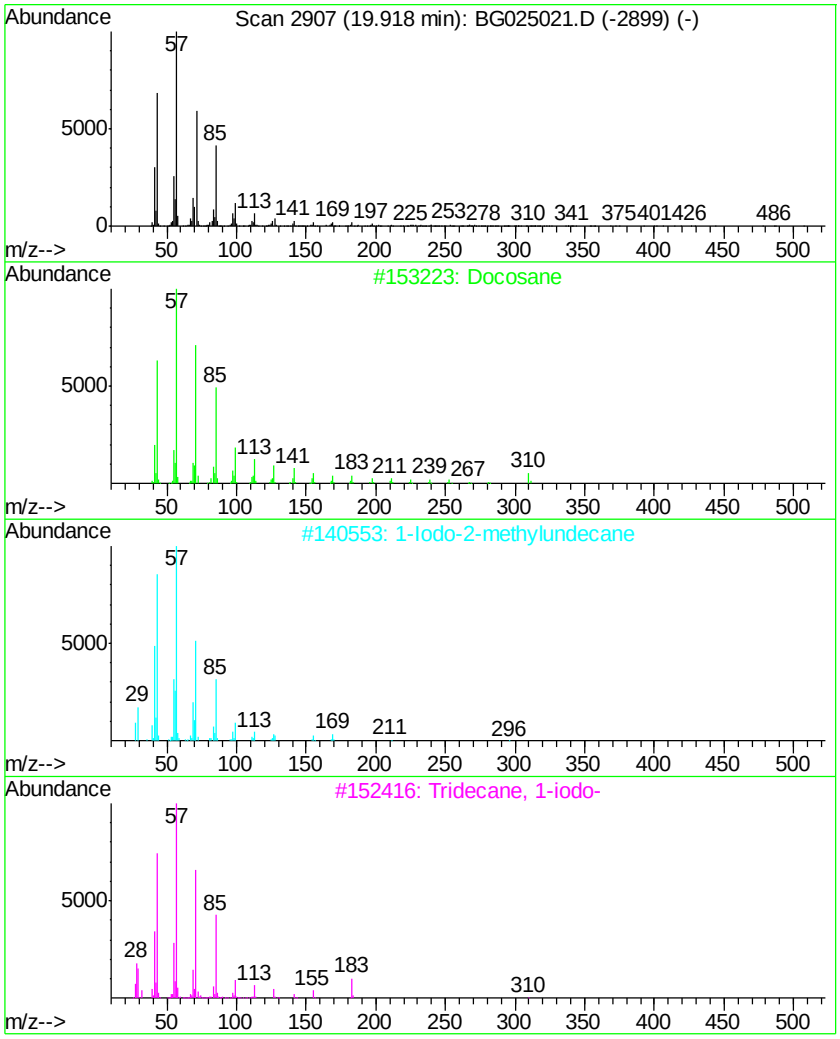
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

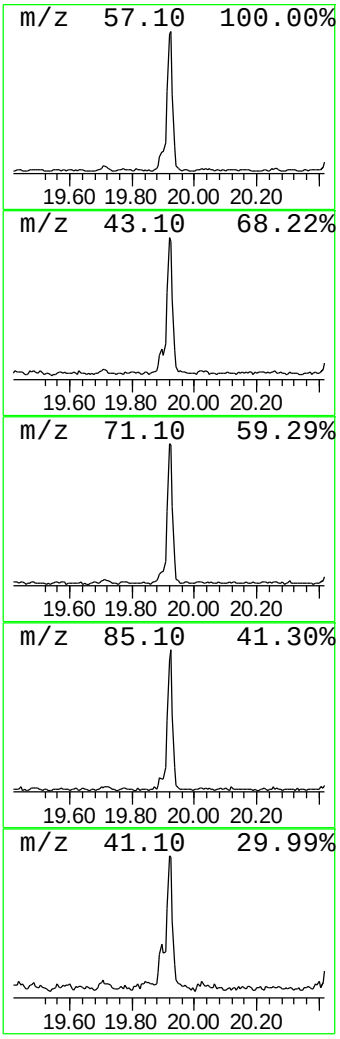
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	19.54 ng/ul	2829750	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	94
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	94
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

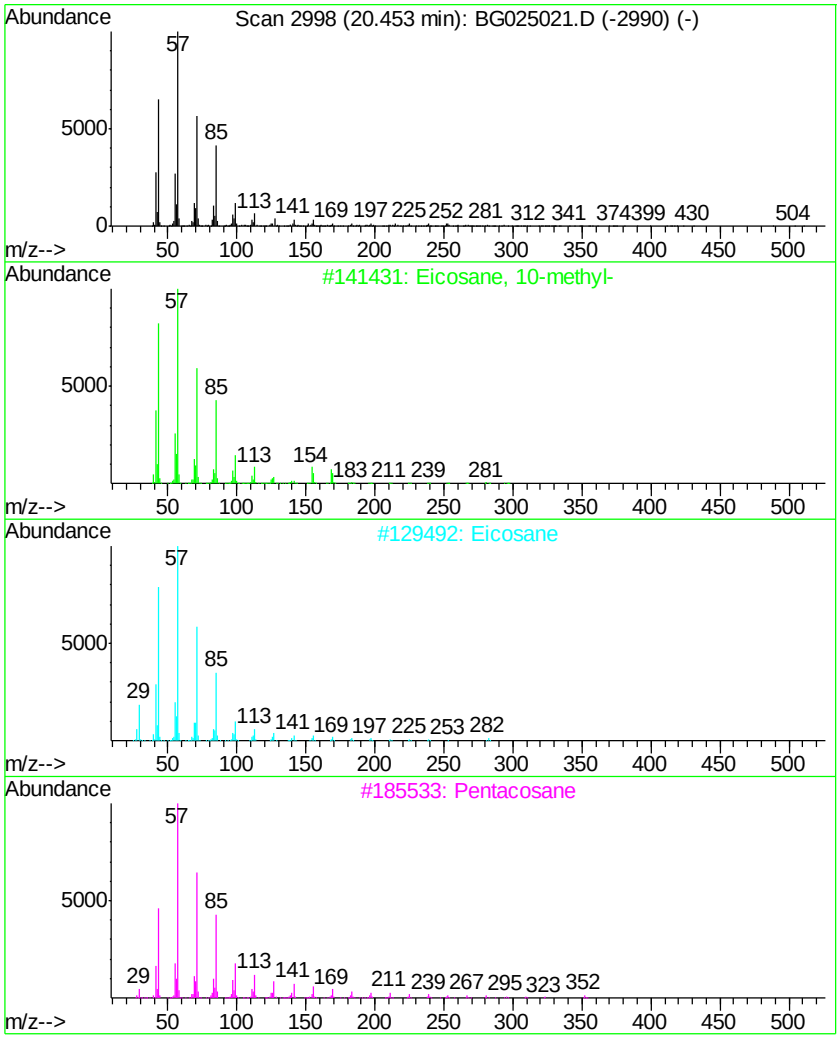
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

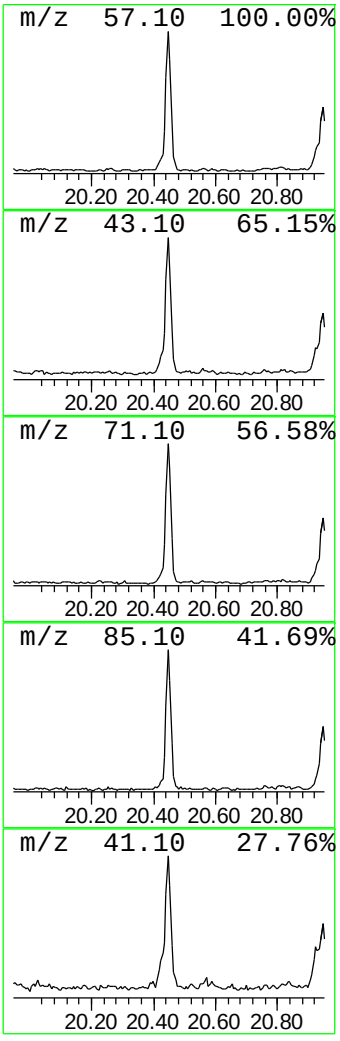
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	18.18 ng/ul	2633140	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Pentacosane	352	C25H52	000629-99-2	91
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

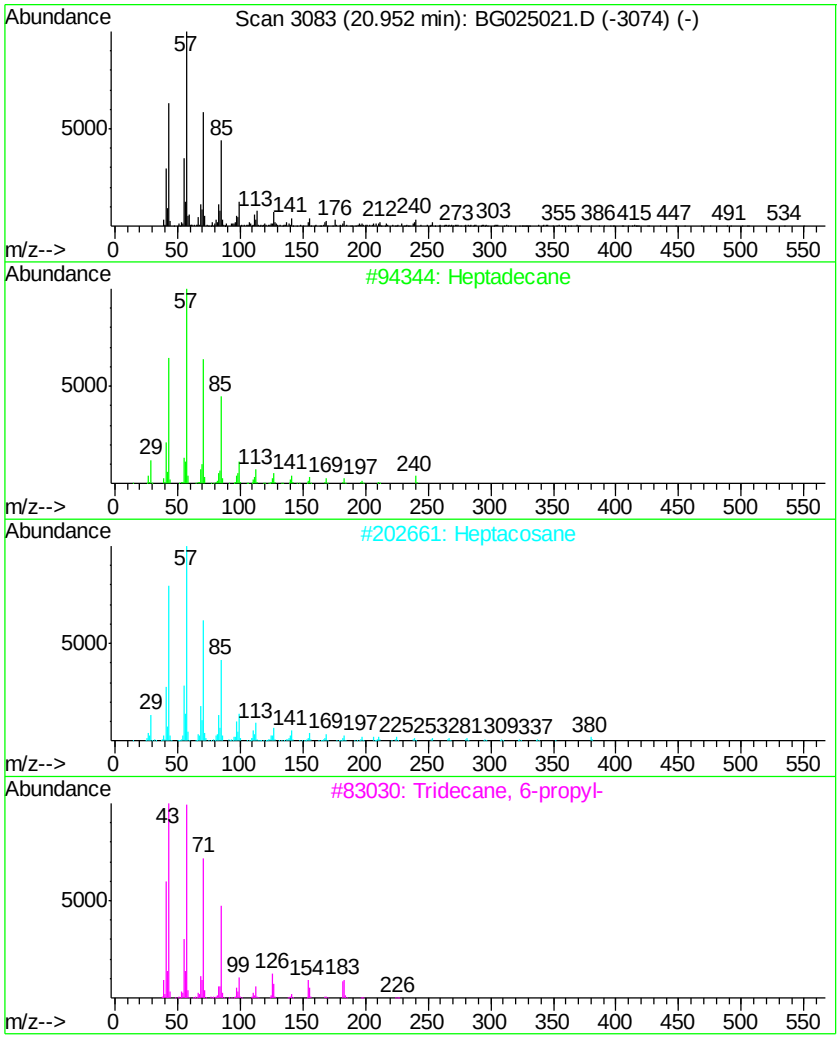
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

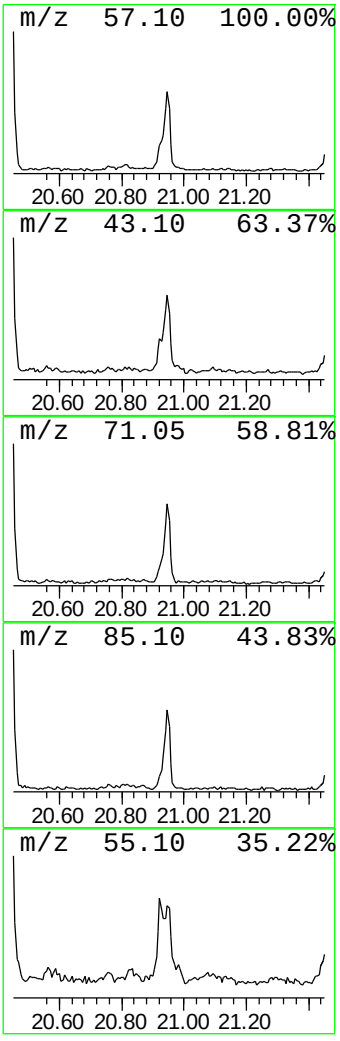
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	14.64 ng/ul	2120650	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptacosane	380	C27H56	000593-49-7	94
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Heptadecane	240	C17H36	000629-78-7	89





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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

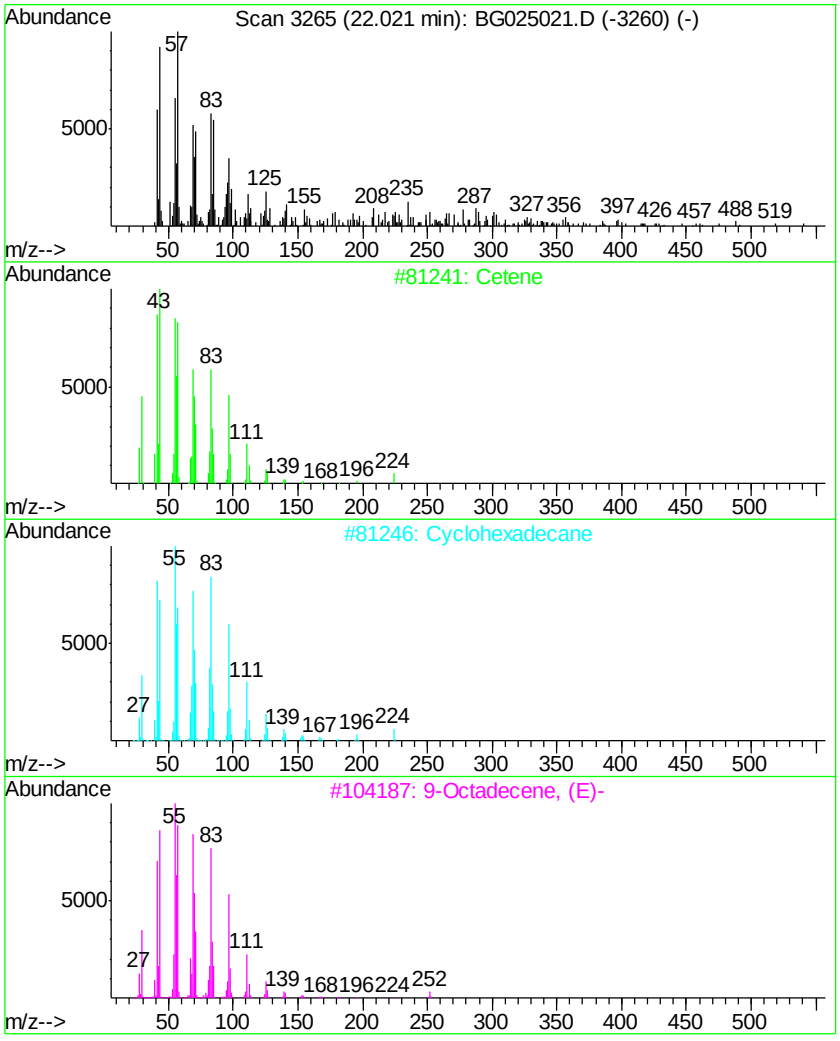
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

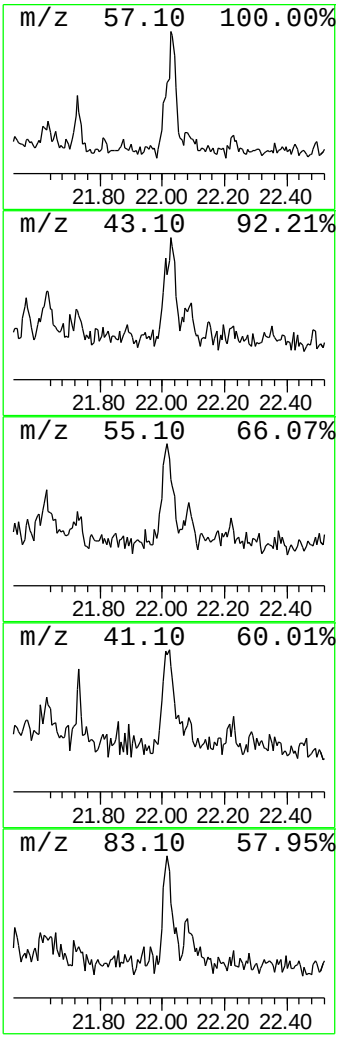
****

Peak Number 46 (DEL) Alkane: Cyclic22.02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.02	3.23 ng/ul	467642	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	91
2	Cyclohexadecane	224	C16H32	000295-65-8	81
3	9-Octadecene, (E)-	252	C18H36	007206-25-9	78
4	1-Nonadecene	266	C19H38	018435-45-5	64
5	Cyclohexadecane	224	C16H32	000295-65-8	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
Data File : BG025021.D
Acq On : 9 Dec 2016 00:34
Operator : UM/SJ
Sample : H5863-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA7Y9

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
Phenol, 2-methoxy-	9.34	23.2	ng/ul	936550	1	8.24	808063	20.0
Benzofuran, 2-met...	9.79	2.0	ng/ul	115691	2	11.07	1136300	20.0
Phenol, 3-ethyl-	10.48	2.9	ng/ul	163084	2	11.07	1136300	20.0
Ethanone, 1-(2-hy...	10.62	2.8	ng/ul	156443	2	11.07	1136300	20.0
Creosol	10.90	2.6	ng/ul	145506	2	11.07	1136300	20.0
2-Propenal, 2-met...	11.47	3.2	ng/ul	183316	2	11.07	1136300	20.0
Phenol, 3-propyl-	11.87	2.9	ng/ul	162286	2	11.07	1136300	20.0
Phenol, 4-ethyl-2...	12.20	21.3	ng/ul	1207190	2	11.07	1136300	20.0
(DEL) Alkane: Str...	12.43	2.2	ng/ul	125831	2	11.07	1136300	20.0
unknown-01	12.61	2.9	ng/ul	165419	2	11.07	1136300	20.0
unknown-02	12.87	4.6	ng/ul	260160	2	11.07	1136300	20.0
Benzocycloheptatr...	12.92	4.8	ng/ul	270577	2	11.07	1136300	20.0
Phenol, 2,6-dimet...	13.13	10.7	ng/ul	1054920	3	14.87	1979540	20.0
Phenol, 2-methoxy...	13.34	8.3	ng/ul	821813	3	14.87	1979540	20.0
(DEL) Alkane: Str...	13.64	2.4	ng/ul	234952	3	14.87	1979540	20.0
Naphthalene, 1,6-...	14.04	3.5	ng/ul	350540	3	14.87	1979540	20.0
unknown-03	14.20	5.9	ng/ul	581742	3	14.87	1979540	20.0
(DEL) Alkane: Str...	14.71	7.2	ng/ul	710995	3	14.87	1979540	20.0
4-Ethylbiphenyl	14.99	4.5	ng/ul	447497	3	14.87	1979540	20.0
Naphthalene, 2,3,...	15.24	3.1	ng/ul	310073	3	14.87	1979540	20.0
4,6,8-Trimethylaz...	15.32	3.5	ng/ul	350407	3	14.87	1979540	20.0
Naphthalene, 1,6,...	15.47	2.5	ng/ul	245039	3	14.87	1979540	20.0
Benzene, nonyl-	15.52	2.2	ng/ul	213613	3	14.87	1979540	20.0
(DEL) Alkane: Str...	15.66	16.4	ng/ul	1623460	3	14.87	1979540	20.0
Benzene, 1,1'-pro...	15.78	2.7	ng/ul	268873	3	14.87	1979540	20.0
Z-2-Tridecen-1-ol	16.06	8.3	ng/ul	817689	3	14.87	1979540	20.0
Benzaldehyde, 4-h...	16.28	3.9	ng/ul	582376	4	17.60	3024000	20.0
unknown-04	16.46	2.9	ng/ul	438138	4	17.60	3024000	20.0
(DEL) Alkane: Str...	16.52	29.3	ng/ul	4434410	4	17.60	3024000	20.0
(DEL) Alkane: Cyc...	16.74	10.6	ng/ul	1600410	4	17.60	3024000	20.0
unknown-05	17.26	2.4	ng/ul	366035	4	17.60	3024000	20.0
(DEL) Alkane: Str...	17.30	26.4	ng/ul	3990110	4	17.60	3024000	20.0
(DEL) Alkane: Str...	18.04	28.2	ng/ul	4264570	4	17.60	3024000	20.0
(DEL) Alkane: Cyc...	18.69	2.6	ng/ul	396130	4	17.60	3024000	20.0
(DEL) Alkane: Str...	18.73	24.7	ng/ul	3736710	4	17.60	3024000	20.0
(DEL) Alkane: Str...	19.35	19.7	ng/ul	2977950	4	17.60	3024000	20.0
(DEL) Alkane: Str...	19.92	19.5	ng/ul	2829750	5	21.90	2896330	20.0
(DEL) Alkane: Str...	20.45	18.2	ng/ul	2633140	5	21.90	2896330	20.0
(DEL) Alkane: Str...	20.95	14.6	ng/ul	2120650	5	21.90	2896330	20.0
(DEL) Alkane: Cyc...	22.02	3.2	ng/ul	467642	5	21.90	2896330	20.0