LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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	3.127	44	49	58	rVV	30197	54389	6.54%	0.494%
2	3.204	58	62	68	rVB	16263	22559	2.71%	0.205%
3	3.474	104	108	112	rBV2	4584	6139	0.74%	0.056%
4	5.172	393	397	405	rVB2	5310	8710	1.05%	0.079%
5	7.058	713	718	722	rVB3	1535	2584	0.31%	0.023%
6	7.193	737	741	744	rBV4	1072	1775	0.21%	0.016%
7	7.246	744	750	759	rVB	100768	171635	20.65%	1.560%
8	7.416	771	779	786	rBV	72260	120458	14.49%	1.095%
9	7.581	802	807	809	rVV	5500	8030	0.97%	0.073%
10	7.628	809	815	822	rVB	99668	165308	19.89%	1.503%
11	7.816	843	847	852	rVB3	1585	2782	0.33%	0.025%
12	8.098	888	895	902	rBV	79619	135146	16.26%	1.229%
13	8.638	983	987	994	rVB5	2307	4321	0.52%	0.039%
14	8.797	1008	1014	1024	rVB	136702	228093	27.44%	2.073%
15	8.944	1036	1039	1045	rVB4	1992	2699	0.32%	0.025%
16	9.267	1087	1094	1103	rVV	98430	168131	20.23%	1.528%
17	9.361	1105	1110	1117	rVB3	9044	14815	1.78%	0.135%
18	9.990	1211	1217	1225	rVB	89466	154498	18.59%	1.404%
19	10.530	1302	1309	1317	rBV	145865	252448	30.37%	2.295%
20	10.918	1367	1375	1379	rBV	122040	218357	26.27%	1.985%
21	10.965	1379	1383	1390	rVB	134624	230400	27.72%	2.094%
22	11.047	1390	1397	1403	rBV	124372	230290	27.71%	2.093%
23	12.287	1604	1608	1614	rVB4	3857	6397	0.77%	0.058%
24	12.493	1639	1643	1646	rBV3	2198	2923	0.35%	0.027%
25	12.563	1649	1655	1661	rVB2	19499	30648	3.69%	0.279%
26	12.787	1686	1693	1699	rVB	8909	14554	1.75%	0.132%
27	13.562	1818	1825	1831	rBV3	4847	10192	1.23%	0.093%
28	13.891	1876	1881	1884	rBV4	1274	2152	0.26%	0.020%
29	14.056	1902	1909	1911	rBV2	1525	2942	0.35%	0.027%
30	14.126	1915	1921	1925	rVV	290141	415009	49.93%	3.773%
31	14.173	1925	1929	1936	rVV	131503	182936	22.01%	1.663%
32	14.238	1936	1940	1946	rVB2	1089	2121	0.26%	0.019%
33	14.426	1965	1972	1978	rBV	299474	473830	57.01%	4.307%
34	14.608	1998	2003	2008	rVB	9408	12143	1.46%	0.110%

LSC Area Percent Report

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Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	14.731	2012	2024	2030	rBV2	214406	343131	41.28%	3.119%
36	14.790	2030	2034	2040	rVB2	16925	24583	2.96%	0.223%
37	14.855	2040	2045	2048	rBV	4076	5178	0.62%	0.047%
38	14.908	2048	2054	2064	rBV	137308	216244	26.02%	1.966%
39	15.043	2073	2077	2078	rBV3	1536	1774	0.21%	0.016%
40	15.125	2085	2091	2096	rBV2	17893	31092	3.74%	0.283%
41	15.225	2104	2108	2115	rVB6	2538	3860	0.46%	0.035%
42	15.295	2115	2120	2122	rBV2	2112	2296	0.28%	0.021%
43	15.454	2142	2147	2152	rBV3	1529	2605	0.31%	0.024%
44	15.513	2152	2157	2159	rVV3	2666	3818	0.46%	0.035%
45	15.554	2160	2164	2170	rVB	14846	18653	2.24%	0.170%
46	15.613	2170	2174	2178	rBV3	1941	2683	0.32%	0.024%
47	15.718	2185	2192	2198	rBV	423169	623405	75.00%	5.667%
48	15.771	2198	2201	2205	rVV2	18776	25171	3.03%	0.229%
49	15.824	2205	2210	2218	rVB	125625	184275	22.17%	1.675%
50	15.953	2225	2232	2237	rBV5	8291	17281	2.08%	0.157%
51	16.059	2246	2250	2256	rVB4	3627	5154	0.62%	0.047%
52	16.112	2256	2259	2261	rBV2	1960	2131	0.26%	0.019%
53	16.177	2267	2270	2273	rBV4	2842	2751	0.33%	0.025%
54	16.206	2273	2275	2279	rBV2	1923	2373	0.29%	0.022%
55	16.418	2306	2311	2320	rBV3	20834	43064	5.18%	0.391%
56	16.758	2364	2369	2370	rBV	2973	4179	0.50%	0.038%
57	16.923	2392	2397	2399	rBV2	2341	3277	0.39%	0.030%
58	17.123	2427	2431	2436	rVB2	4114	5957	0.72%	0.054%
59	17.205	2441	2445	2450	rVV	11801	16598	2.00%	0.151%
60	17.264	2450	2455	2458	rVV2	4416	9204	1.11%	0.084%
61	17.287	2458	2459	2467	rVB3	4677	4918	0.59%	0.045%
62	17.469	2484	2490	2495	rBV	302879	452124	54.39%	4.110%
63	17.510	2495	2497	2502	rVV	70069	94066	11.32%	0.855%
64	17.569	2502	2507	2519	rVV	460854	712143	85.68%	6.474%
65	17.763	2535	2540	2542	rBV2	1825	3157	0.38%	0.029%
66	17.869	2554	2558	2563	rVB	5097	7760	0.93%	0.071%
67	17.945	2566	2571	2576	rBV2	5841	7601	0.91%	0.069%
68	17.992	2576	2579	2586	rVB6	2357	4031	0.48%	0.037%
69	18.345	2633	2639	2645	rBV	88934	122329	14.72%	1.112%
70	18.474	2659	2661	2664	rBV3	1683	1888	0.23%	0.017%
71	18.544	2667	2673	2679	rBV4	7454	12990	1.56%	0.118%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	18.638	2682	2689	2693	rVB5	1705	3544	0.43%	0.032%
73	18.844	2720	2724	2729	rVB3	2155	3110	0.37%	0.028%
74	19.009	2748	2752	2755	rBV3	1748	2652	0.32%	0.024%
75	19.191	2781	2783	2786	rBV4	1813	1774	0.21%	0.016%
76	19.314	2798	2804	2808	rBV	5478	8816	1.06%	0.080%
77	19.490	2826	2834	2836	rBV3	43376	72707	8.75%	0.661%
78	19.608	2849	2854	2865	rBV2	65830	87359	10.51%	0.794%
79	19.737	2873	2876	2878	rBV	4688	5238	0.63%	0.048%
80	19.767	2878	2881	2886	rVB2	8452	11412	1.37%	0.104%
81	19.849	2889	2895	2905	rBV	571295	831202	100.00%	7.556%
82	20.419	2990	2992	2996	rVB4	2052	2055	0.25%	0.019%
83	20.460	2996	2999	3003	rBV3	3803	5936	0.71%	0.054%
84	20.683	3033	3037	3041	rBV2	31910	45795	5.51%	0.416%
85	20.748	3041	3048	3062	rVV	129821	211133	25.40%	1.919%
86	20.848	3062	3065	3070	rVV4	7675	9803	1.18%	0.089%
87	21.365	3148	3153	3168	rBV	91199	167562	20.16%	1.523%
88	21.617	3193	3196	3200	rVB2	6678	8566	1.03%	0.078%
89	21.741	3210	3217	3223	rBV	332463	551598	66.36%	5.014%
90	22.499	3341	3346	3350	rBV2	12878	21461	2.58%	0.195%
91	23.227	3464	3470	3478	rBV5	25742	60517	7.28%	0.550%
92	23.380	3490	3496	3503	rVB2	41712	86153	10.36%	0.783%
93	24.062	3607	3612	3619	rVB5	12898	21917	2.64%	0.199%
94	24.443	3668	3677	3691	rVB2	80161	215364	25.91%	1.958%
95	24.790	3725	3736	3748	rBV	278444	740348	89.07%	6.730%
96	25.013	3764	3774	3785	rVB	183625	522777	62.89%	4.752%
97	25.754	3888	3900	3913	rBV3	96991	360443	43.36%	3.277%
98	27.399	4166	4180	4200	rBV5	75509	419857	50.51%	3.817%
99	29.461	4517	4531	4533	rBV5	40808	134942	16.23%	1.227%
100	31.194	4824	4826	4827	rBV2	3842	3259	0.39%	0.030%

Sum of corrected areas: 11000458

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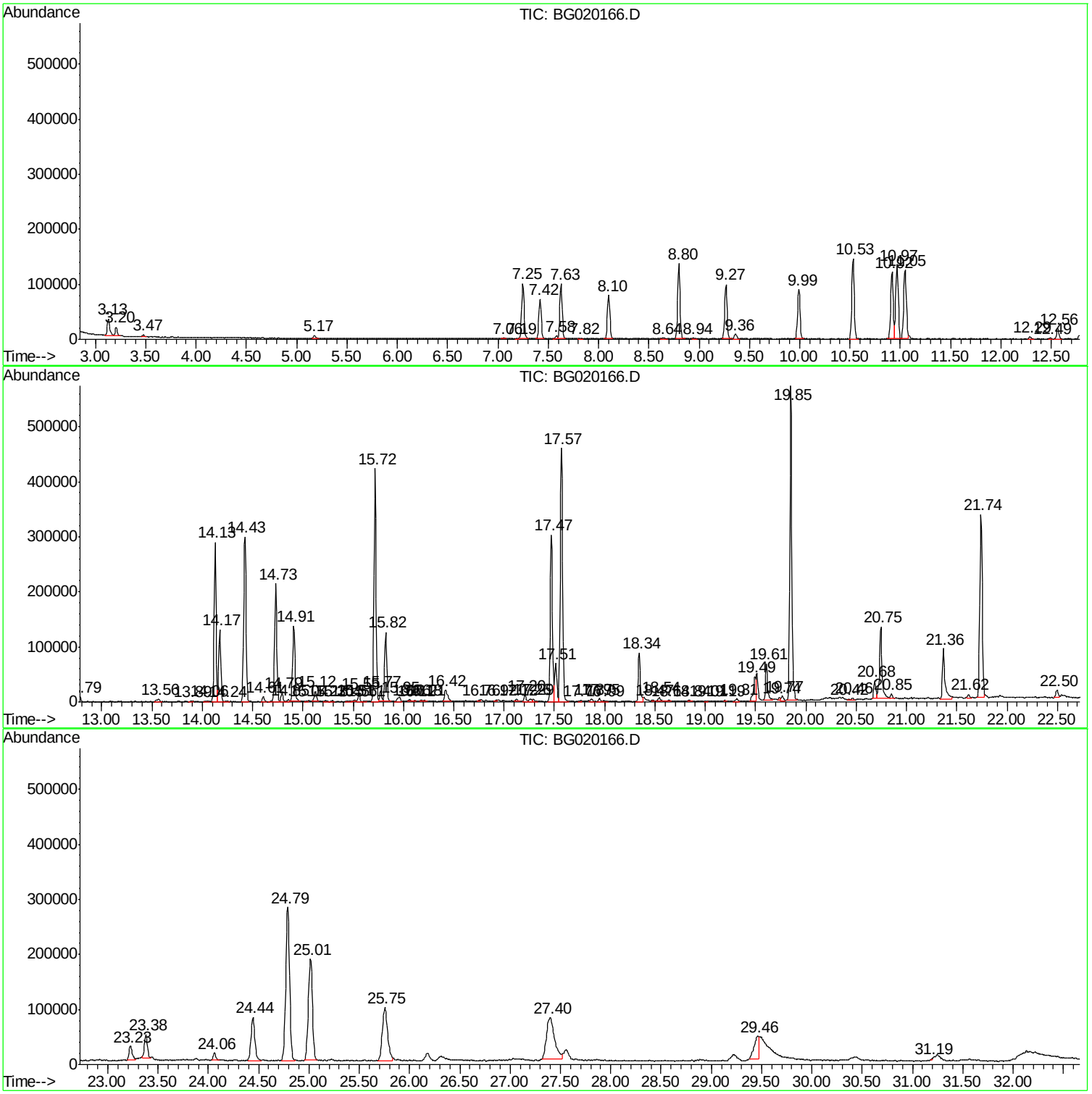
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
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Sample : G4767-23
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

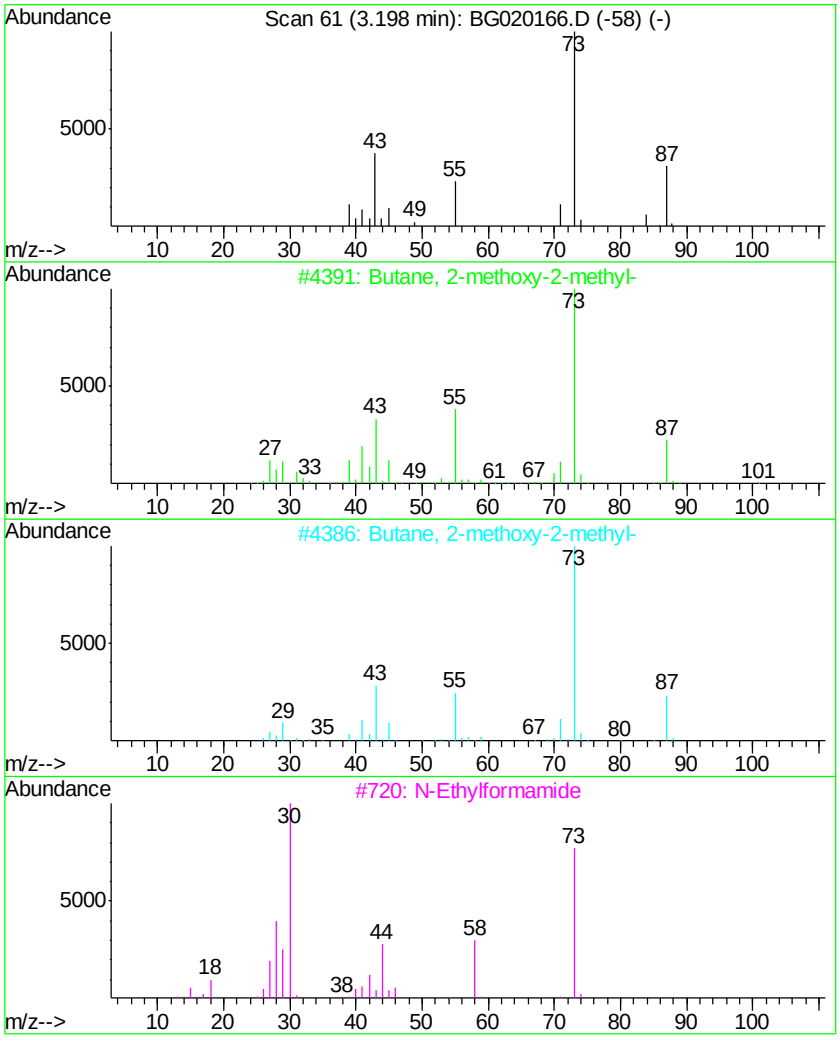
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

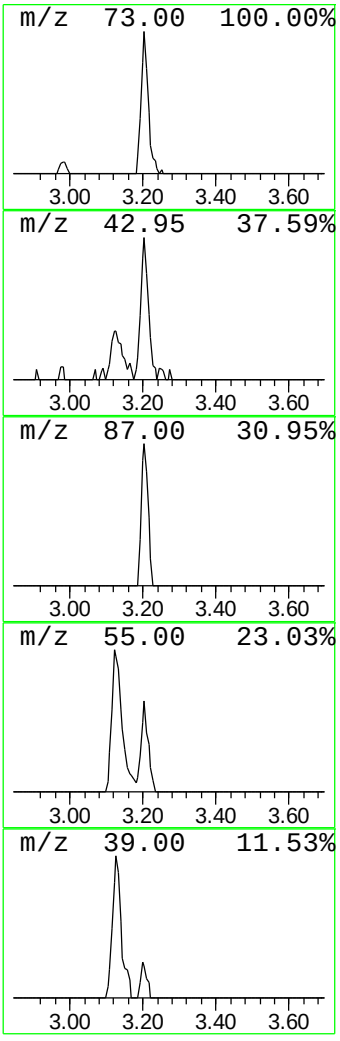
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	3.34 ng/ul	22559	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

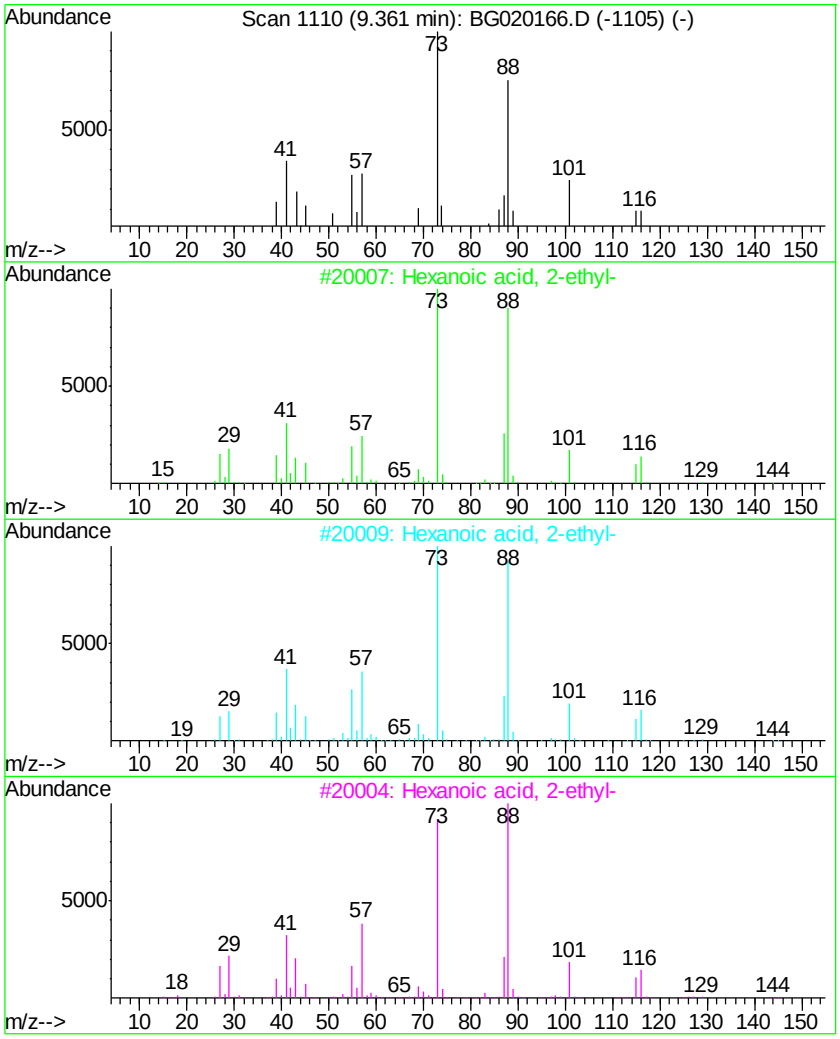
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

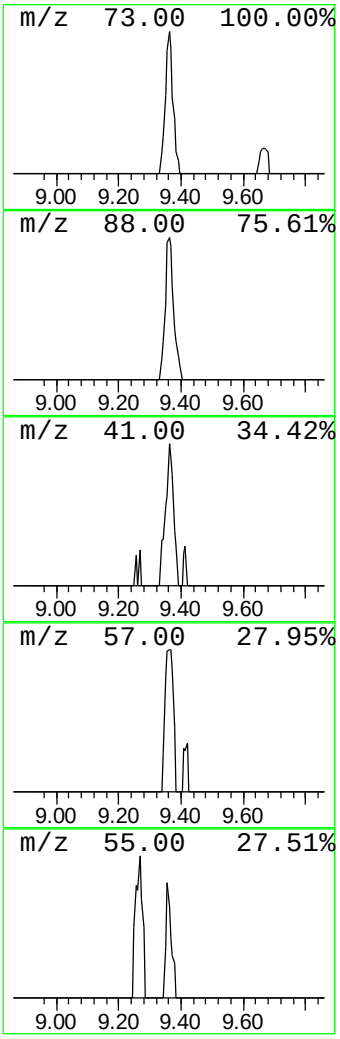
****

Peak Number 3 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	2.19 ng/ul	14815	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	45
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	45
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	40
4	Methyl 4-O-acetyl-2,3-di-O-methy...	248	C11H20O6	072945-56-3	36
5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	32





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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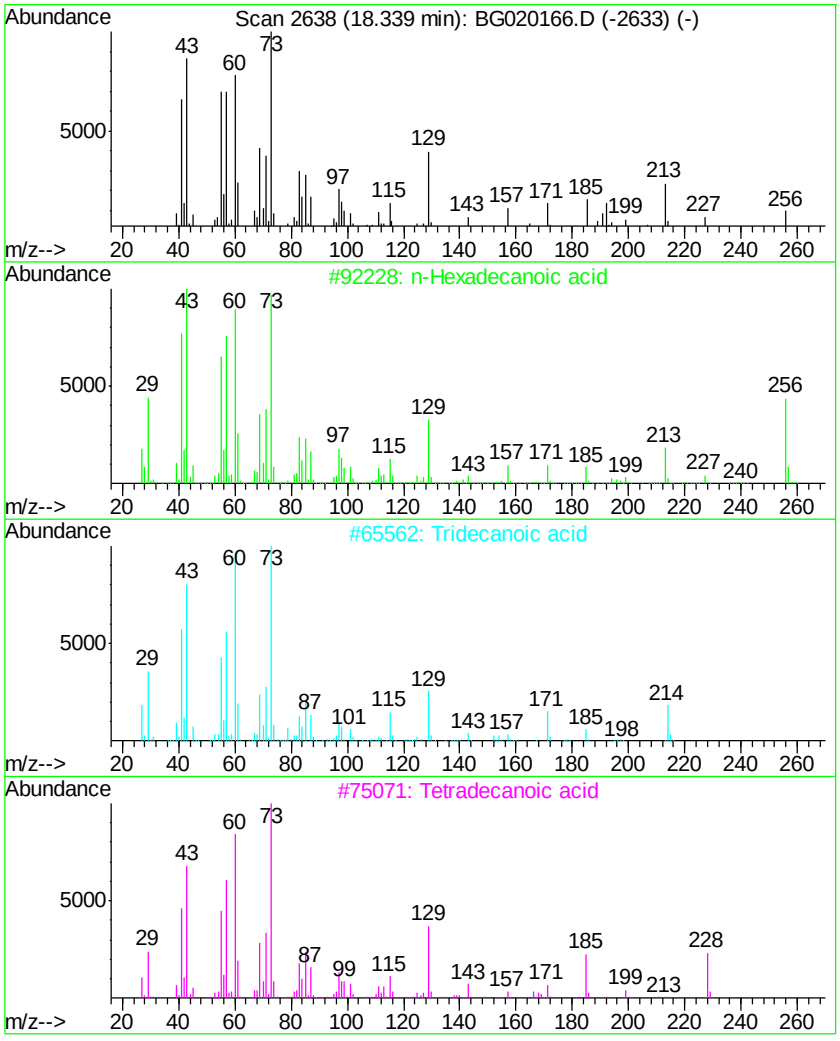
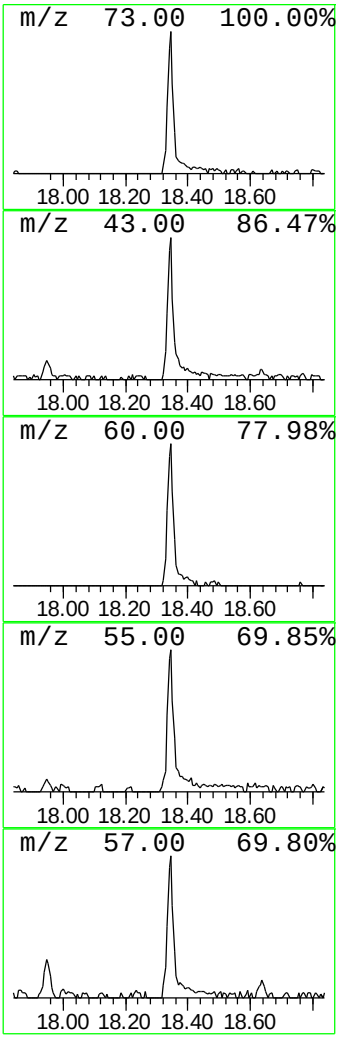
Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	5.41 ng/ul	122329	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

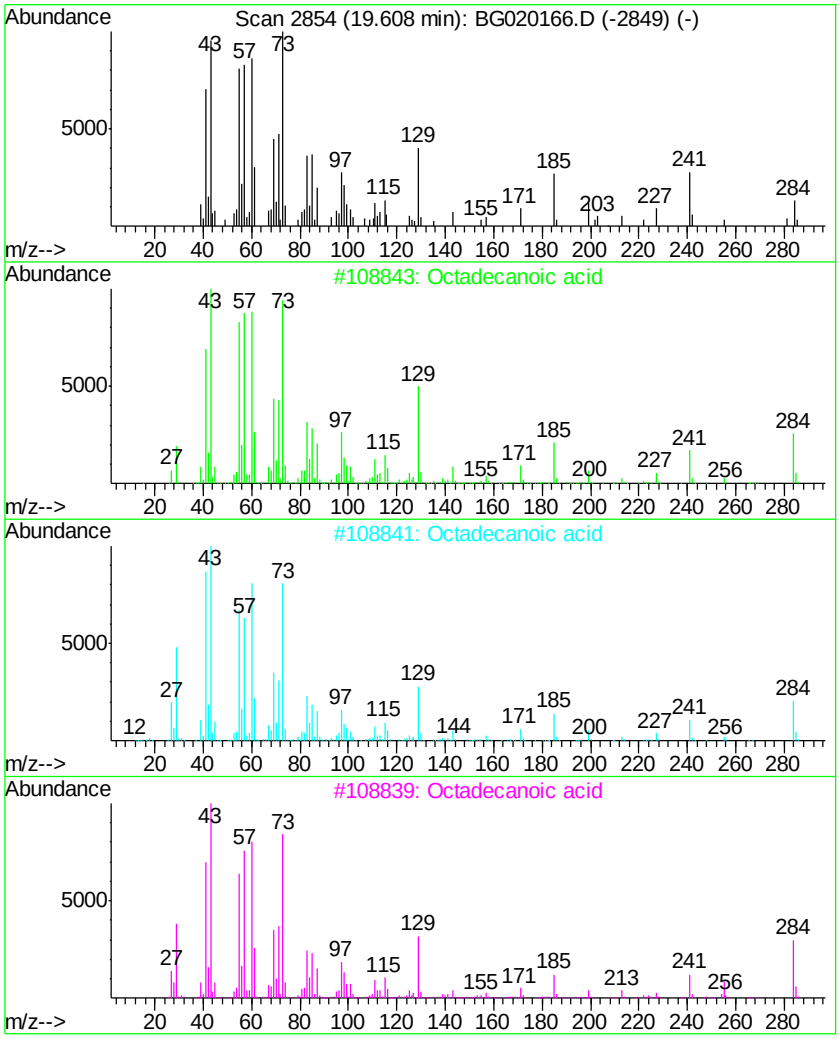
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

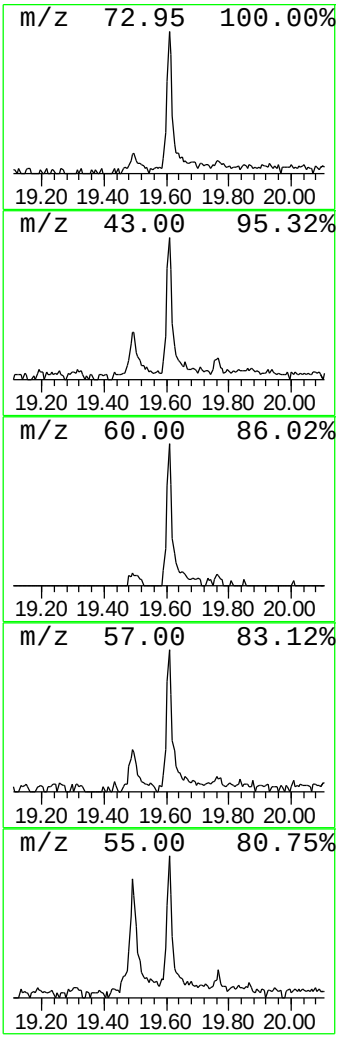
****

Peak Number 5 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	3.17 ng/ul	87359	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	97
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

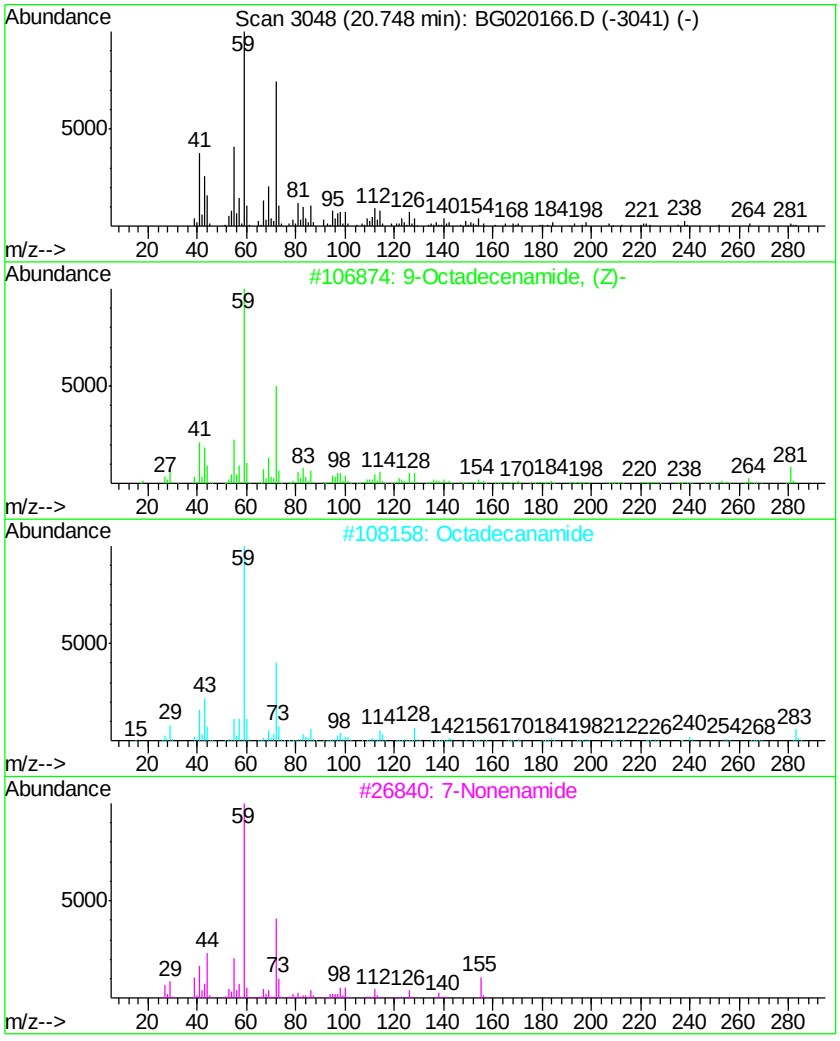
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

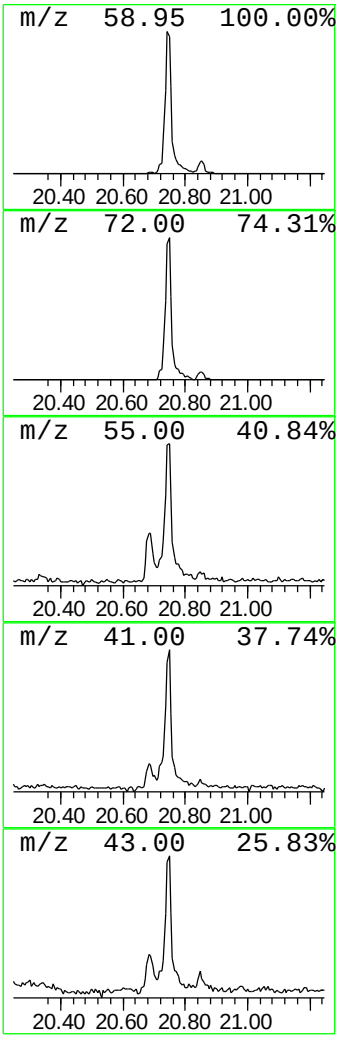
****

Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	7.66 ng/ul	211133	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
2	Octadecanamide	283	C18H37NO	000124-26-5	53
3	7-Nonenamide	155	C9H17NO	090949-53-4	53
4	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	50
5	Octanamide	143	C8H17NO	000629-01-6	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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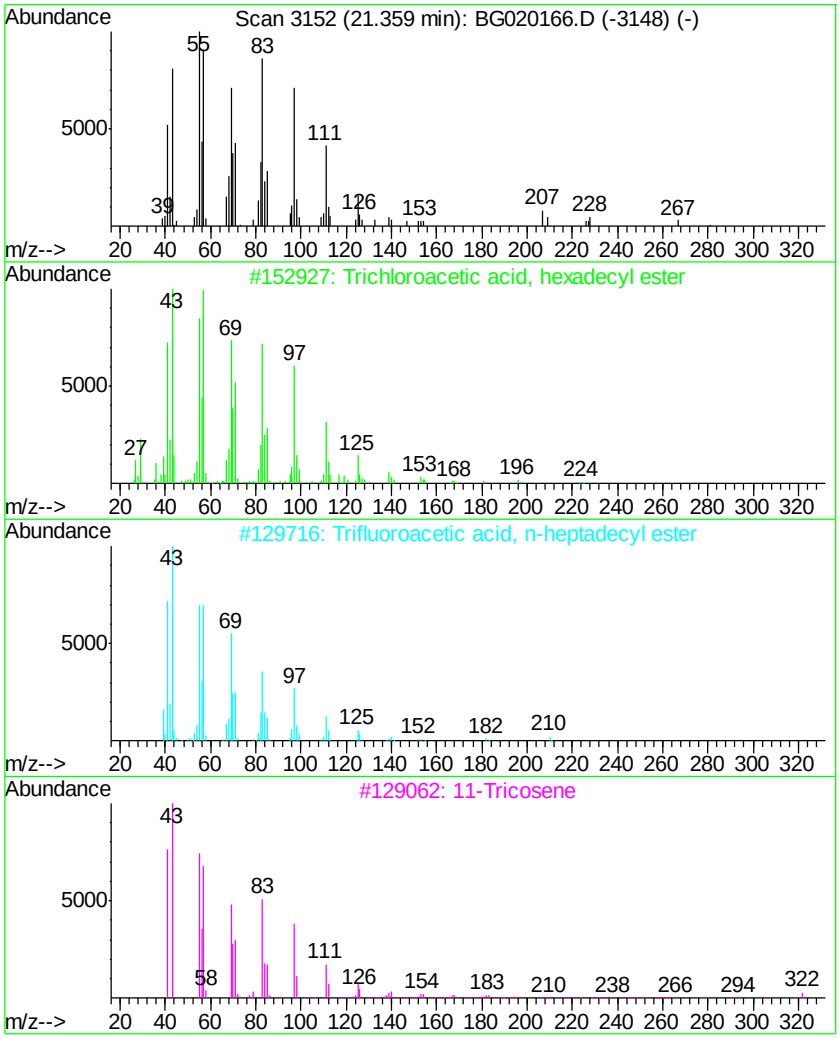
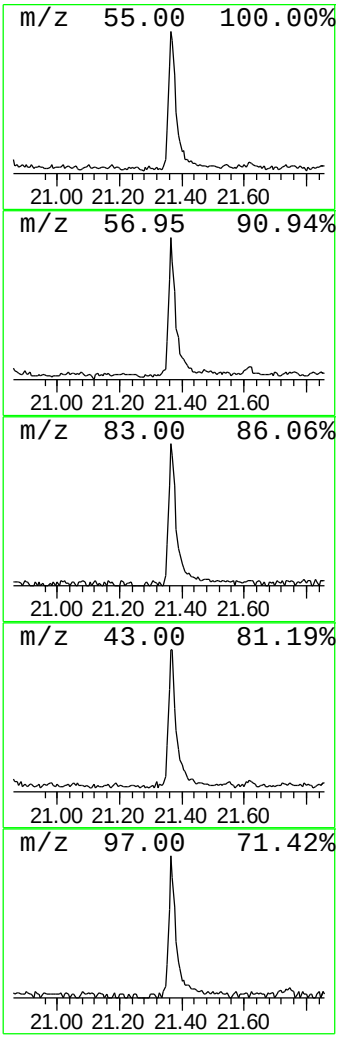
Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	6.08 ng/ul	167562	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
2	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
3	11-Tricosene	322	C23H46	052078-56-5	91
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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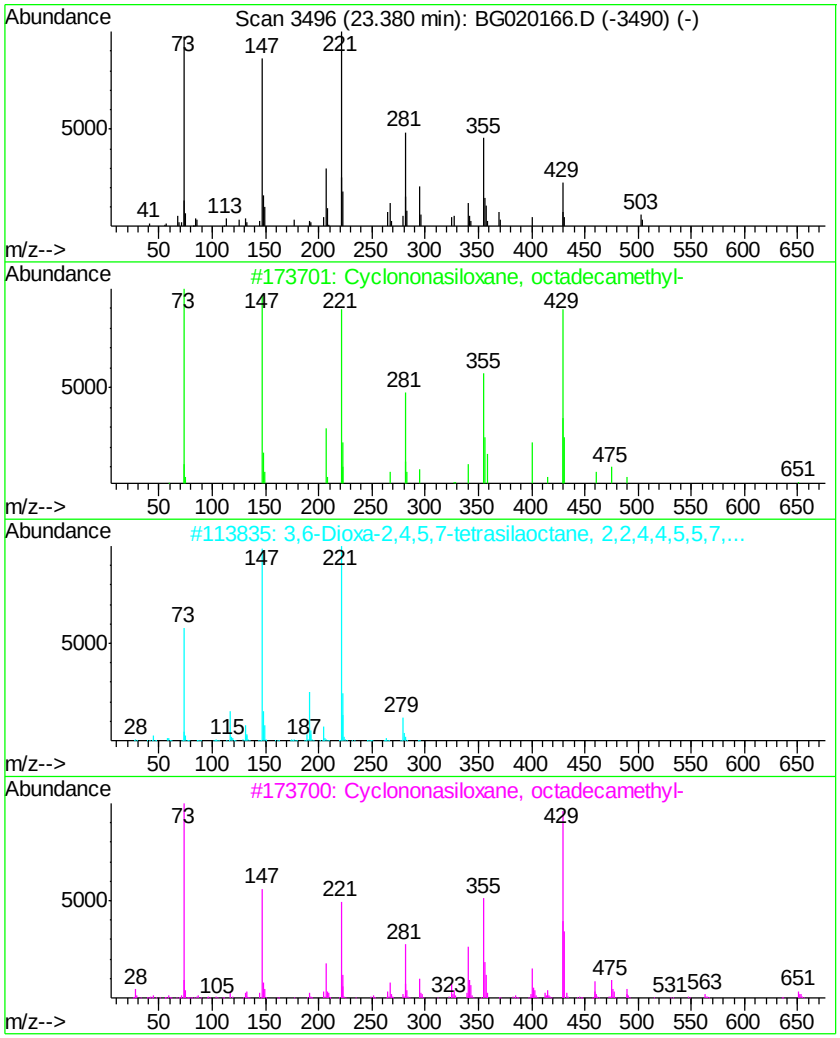
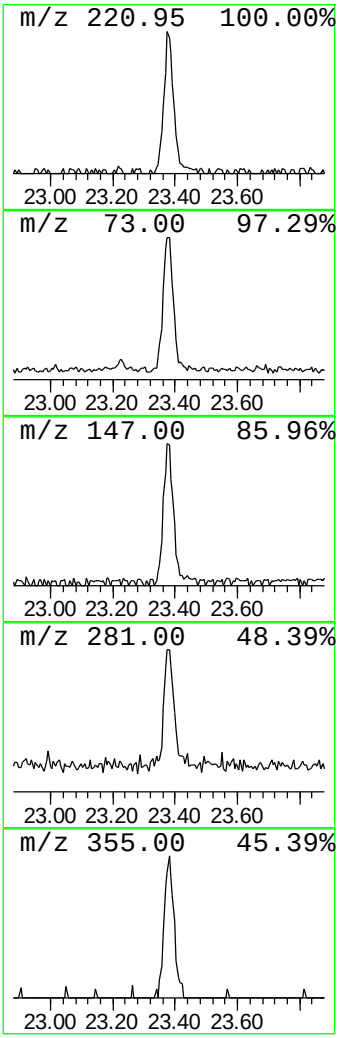
Peak Number 9 Cyclononasiloxane, octadeca... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.38	3.30 ng/ul	86153	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	80
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
3	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	33
4	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	32
5	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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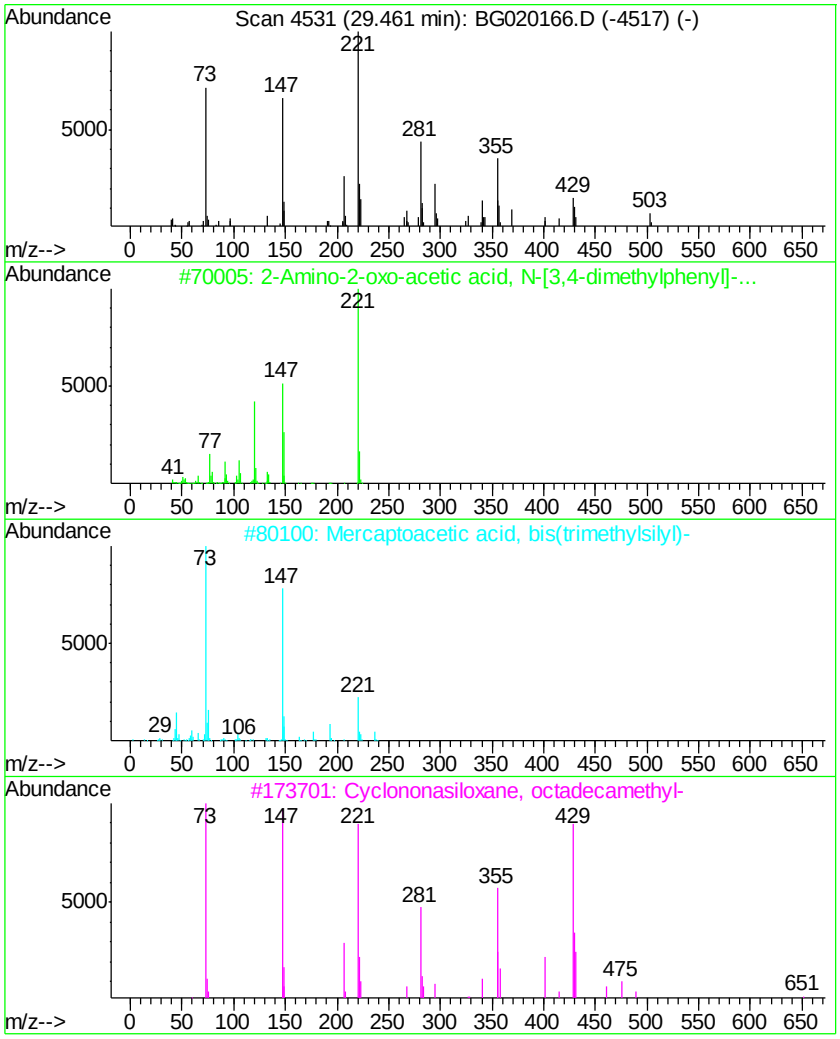
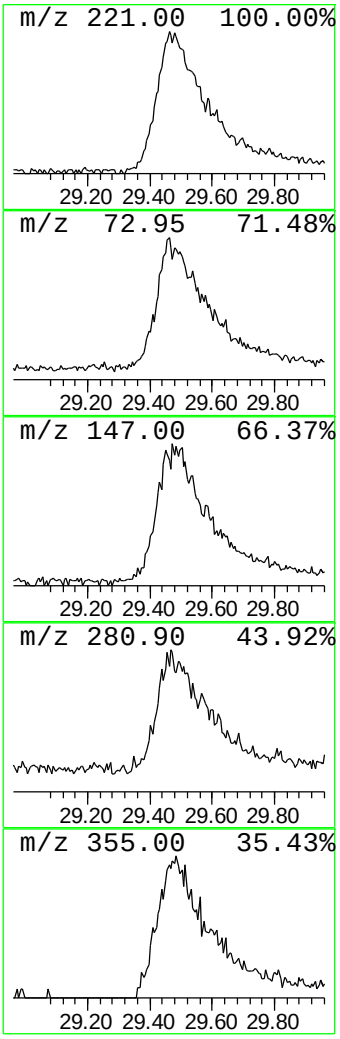
Peak Number 13 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.46	5.16 ng/ul	134942	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	43
2	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	37
3	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	37
4	Dithioerythritol, O,O',S,S'-tetr...	442	C16H42O2S2Si4	1000079-30-7	37
5	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020166.D
Acq On : 14 Dec 2015 23:35
Operator : UM/SJ
Sample : G4767-23
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N45

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.20	3.3	ng/ul	22559	1	8.10	135146	20.0
unknown-01	9.36	2.2	ng/ul	14815	1	8.10	135146	20.0
n-Hexadecanoic acid	18.34	5.4	ng/ul	122329	4	17.47	452124	20.0
Octadecanoic acid	19.61	3.2	ng/ul	87359	5	21.74	551598	20.0
9-Octadecenamide,...	20.75	7.7	ng/ul	211133	5	21.74	551598	20.0
Trichloroacetic a...	21.36	6.1	ng/ul	167562	5	21.74	551598	20.0
Cyclononasiloxane...	23.38	3.3	ng/ul	86153	6	25.01	522777	20.0
unknown-02	29.46	5.2	ng/ul	134942	6	25.01	522777	20.0