LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

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-BG031016.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	3.183	54	59	67	rBV3	8915	19376	2.62%	0.394%
2	3.254	67	71	77	rVB	9436	12985	1.75%	0.264%
3	3.524	113	117	119	rBV3	2034	1968	0.27%	0.040%
4	3.759	153	157	160	rVB2	547	781	0.11%	0.016%
5	4.053	203	207	213	rBV4	1811	3188	0.43%	0.065%
6	4.282	243	246	250	rBV2	829	907	0.12%	0.018%
7	5.745	493	495	496	rBV	1102	896	0.12%	0.018%
8	6.109	556	557	561	rBV	777	758	0.10%	0.015%
9	7.096	719	725	728	rVB2	933	1583	0.21%	0.032%
10	7.202	740	743	746	rBV	594	919	0.12%	0.019%
11	7.267	749	754	755	rBV	622	883	0.12%	0.018%
12	7.308	755	761	772	rVB	54235	97030	13.11%	1.972%
13	7.443	777	784	791	rVB	39864	63938	8.64%	1.299%
14	7.666	815	822	829	rBV	51428	88477	11.96%	1.798%
15	7.725	829	832	835	rVB2	758	1131	0.15%	0.023%
16	7.760	835	838	842	rBB	1000	1454	0.20%	0.030%
17	8.125	892	900	907	rBV	47782	78590	10.62%	1.597%
18	8.689	995	996	1003	rVB	1248	1514	0.20%	0.031%
19	8.847	1017	1023	1032	rBB	59270	101283	13.69%	2.058%
20	9.288	1091	1098	1109	rBB	58485	101938	13.78%	2.072%
21	9.394	1113	1116	1121	rBB2	1831	2782	0.38%	0.057%
22	9.664	1159	1162	1165	rBV	1022	1126	0.15%	0.023%
23	10.011	1215	1221	1229	rBV	52571	92987	12.57%	1.890%
24	10.234	1255	1259	1265	rBB	1396	1612	0.22%	0.033%
25	10.575	1309	1317	1327	rBB2	74034	131960	17.83%	2.682%
26	10.880	1365	1369	1371	rBV2	1011	1234	0.17%	0.025%
27	10.933	1371	1378	1384	rVV	84505	147388	19.92%	2.996%
28	10.986	1384	1387	1393	rVB	8967	13020	1.76%	0.265%
29	11.068	1394	1401	1409	rBV	37360	67852	9.17%	1.379%
30	11.926	1543	1547	1549	rBB	619	848	0.11%	0.017%
31	12.314	1607	1613	1620	rBB3	1799	2852	0.39%	0.058%
32	12.502	1642	1645	1649	rVB2	1115	1223	0.17%	0.025%
33	12.578	1651	1658	1662	rBV	4901	7811	1.06%	0.159%
34	12.790	1689	1694	1700	rBB	3150	5135	0.69%	0.104%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

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-BG031016.M
Title : SVOA CALIBRATION

35	13.001	1726	1730	1735	rVB2	1491	1866	0.25%	0.038%
36	13.095	1741	1746	1749	rBV	1141	1901	0.26%	0.039%
37	13.248	1766	1772	1777	rBV3	1475	2386	0.32%	0.048%
38	13.336	1784	1787	1791	rVB2	1904	2562	0.35%	0.052%
39	13.477	1808	1811	1812	rBV	847	816	0.11%	0.017%
40	13.542	1818	1822	1829	rVB4	4625	7447	1.01%	0.151%
41	13.618	1829	1835	1841	rVB3	5251	8737	1.18%	0.178%
42	13.671	1841	1844	1846	rBV2	986	1001	0.14%	0.020%
43	13.771	1856	1861	1864	rBV4	1626	2950	0.40%	0.060%
44	13.906	1877	1884	1885	rBV4	3717	5704	0.77%	0.116%
45	14.059	1904	1910	1914	rBV4	8233	11635	1.57%	0.236%
46	14.135	1915	1923	1927	rVV	147109	222946	30.13%	4.531%
47	14.182	1927	1931	1936	rVV	56386	81006	10.95%	1.646%
48	14.247	1936	1942	1948	rVV	37954	64006	8.65%	1.301%
49	14.294	1948	1950	1959	rVB6	3093	5527	0.75%	0.112%
50	14.435	1967	1974	1982	rVB	163441	255978	34.59%	5.203%
51	14.605	1997	2003	2008	rVB	16697	21623	2.92%	0.439%
52	14.646	2008	2010	2011	rBV2	1076	750	0.10%	0.015%
53	14.682	2014	2016	2017	rVV2	1414	846	0.11%	0.017%
54	14.735	2017	2025	2033	rVB2	133770	227496	30.74%	4.624%
55	14.811	2034	2038	2042	rVB4	2469	3439	0.46%	0.070%
56	14.876	2045	2049	2050	rBV2	1205	1503	0.20%	0.031%
57	14.893	2050	2052	2055	rVB3	1340	895	0.12%	0.018%
58	14.940	2055	2060	2064	rBV6	3714	7210	0.97%	0.147%
59	14.999	2064	2070	2083	rBV	44829	98425	13.30%	2.000%
60	15.099	2083	2087	2090	rVV5	4323	6526	0.88%	0.133%
61	15.140	2090	2094	2102	rVB8	7394	16688	2.26%	0.339%
62	15.210	2102	2106	2114	rBV7	4410	9759	1.32%	0.198%
63	15.287	2116	2119	2123	rVB4	3104	4249	0.57%	0.086%
64	15.340	2123	2128	2129	rBV4	3463	4139	0.56%	0.084%
65	15.369	2131	2133	2136	rVV2	2302	1837	0.25%	0.037%
66	15.510	2153	2157	2160	rBV4	3199	5322	0.72%	0.108%
67	15.551	2160	2164	2170	rVB	22788	29040	3.92%	0.590%
68	15.610	2170	2174	2178	rBV5	2972	5173	0.70%	0.105%
69	15.722	2187	2193	2199	rBV	199512	313622	42.38%	6.374%
70	15.845	2208	2214	2220	rVB	67312	107133	14.48%	2.177%
71	15.898	2221	2223	2224	rBV2	1804	1058	0.14%	0.022%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

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-BG031016.M
Title : SVOA CALIBRATION

72	16.051	2244	2249	2252	rBV7	3988	7620	1.03%	0.155%
73	16.104	2256	2258	2260	rVV3	2545	2725	0.37%	0.055%
74	16.168	2267	2269	2273	rBV4	4037	4617	0.62%	0.094%
75	16.356	2299	2301	2305	rBV4	2580	3046	0.41%	0.062%
76	16.409	2305	2310	2313	rBV2	22432	33847	4.57%	0.688%
77	16.820	2378	2380	2382	rBV3	3184	1933	0.26%	0.039%
78	17.002	2405	2411	2412	rBV6	11025	16156	2.18%	0.328%
79	17.202	2441	2445	2450	rBV3	15447	21054	2.85%	0.428%
80	17.478	2486	2492	2496	rBV2	154700	246243	33.28%	5.005%
81	17.514	2496	2498	2503	rVV	18127	30120	4.07%	0.612%
82	17.572	2503	2508	2518	rVB	197321	322677	43.61%	6.558%
83	18.342	2635	2639	2643	rBV6	22848	37325	5.04%	0.759%
84	19.852	2891	2896	2903	rVB	239335	367493	49.66%	7.469%
85	21.015	3092	3094	3109	rVB3	225617	739996	100.00%	15.040%
86	21.738	3213	3217	3224	rVB	273326	484775	65.51%	9.853%

Sum of corrected areas: 4920257

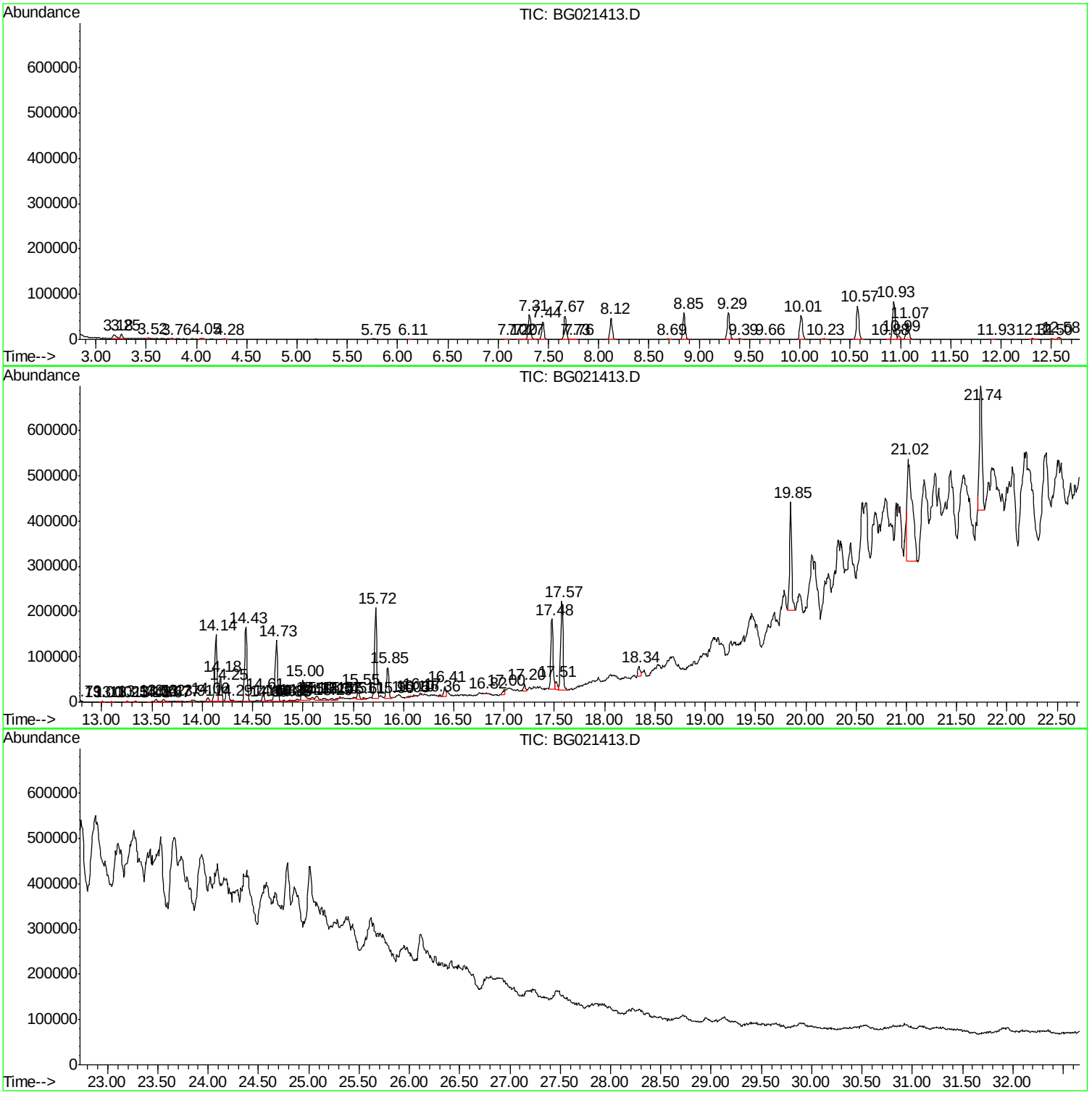
LSC Report - Integrated Chromatogram

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

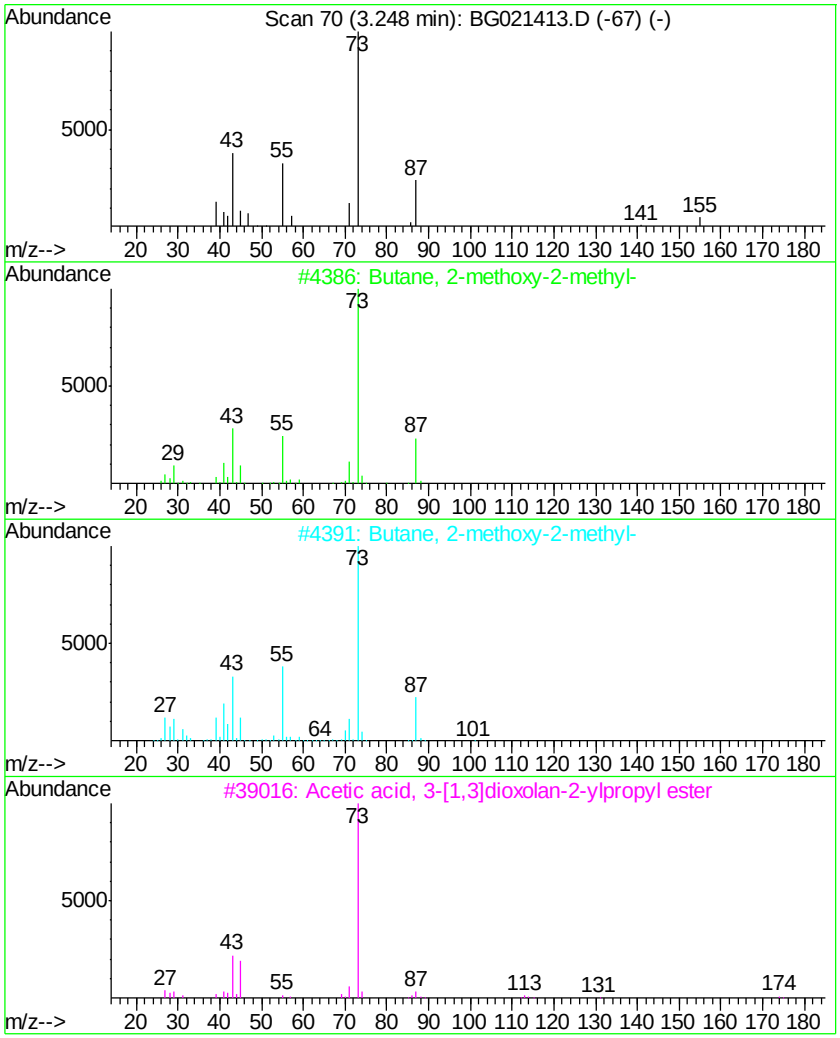
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

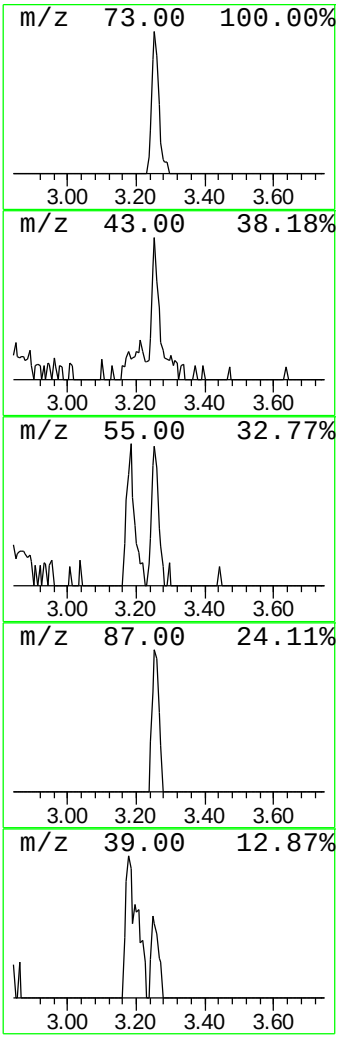
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	3.30 ng/ul	12985	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9
4	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

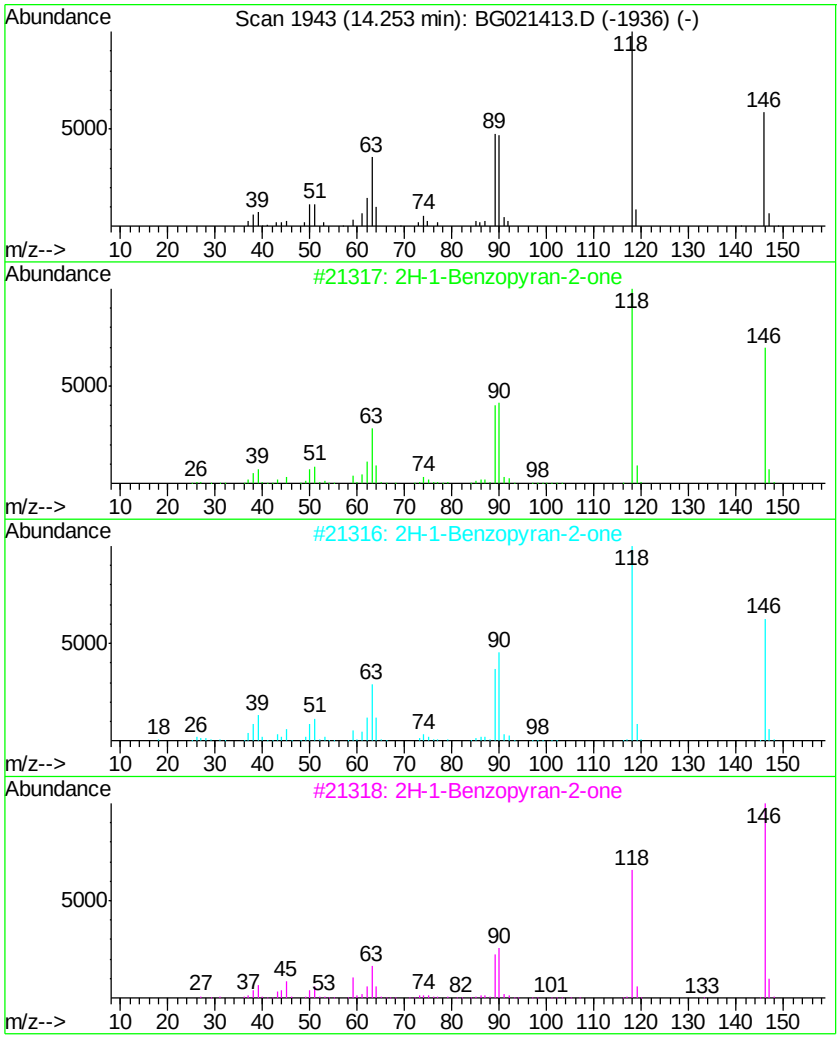
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

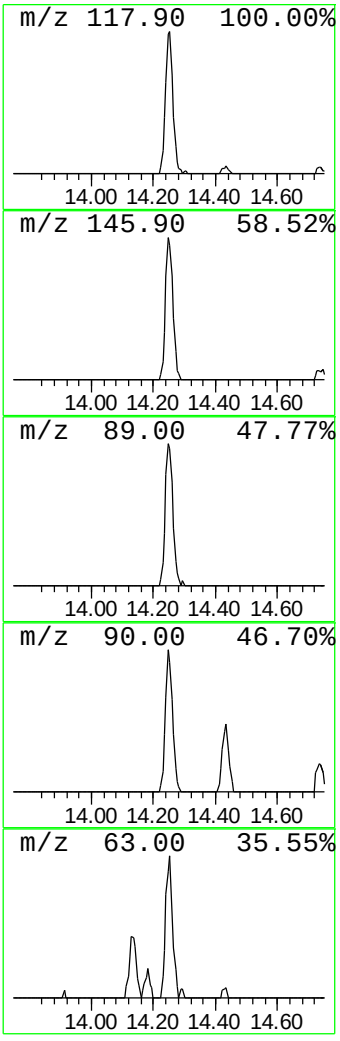
****

Peak Number 3 2H-1-Benzopyran-2-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	5.63 ng/ul	64006	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	98
2	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	96
3	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	94
4	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	91
5	Benzofuran	118	C8H6O	000271-89-6	91





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

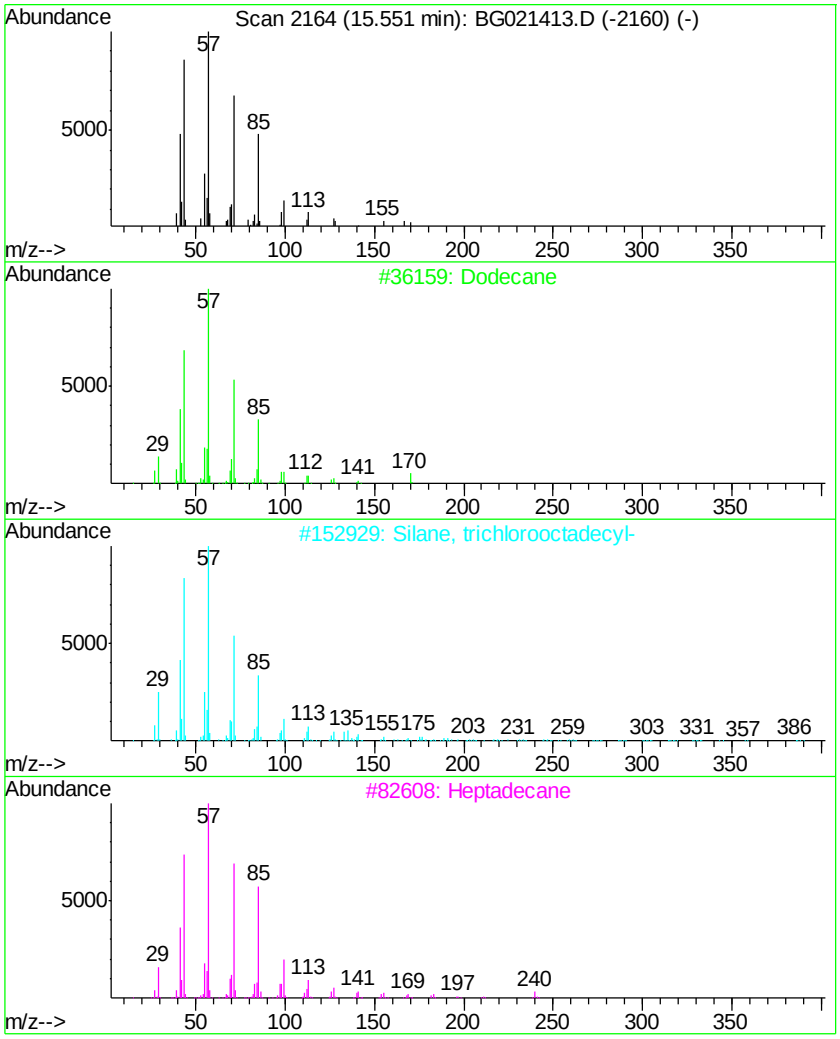
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

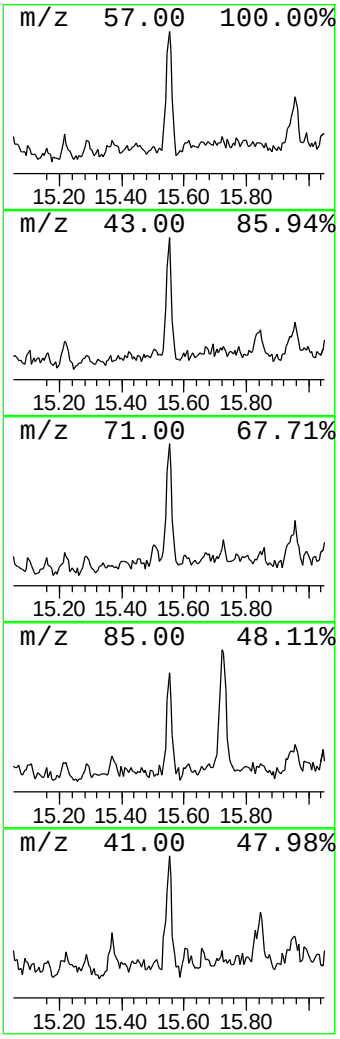
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.55 ng/ul	29040	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	80
3	Heptadecane	240	C17H36	000629-78-7	80
4	Eicosane	282	C20H42	000112-95-8	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

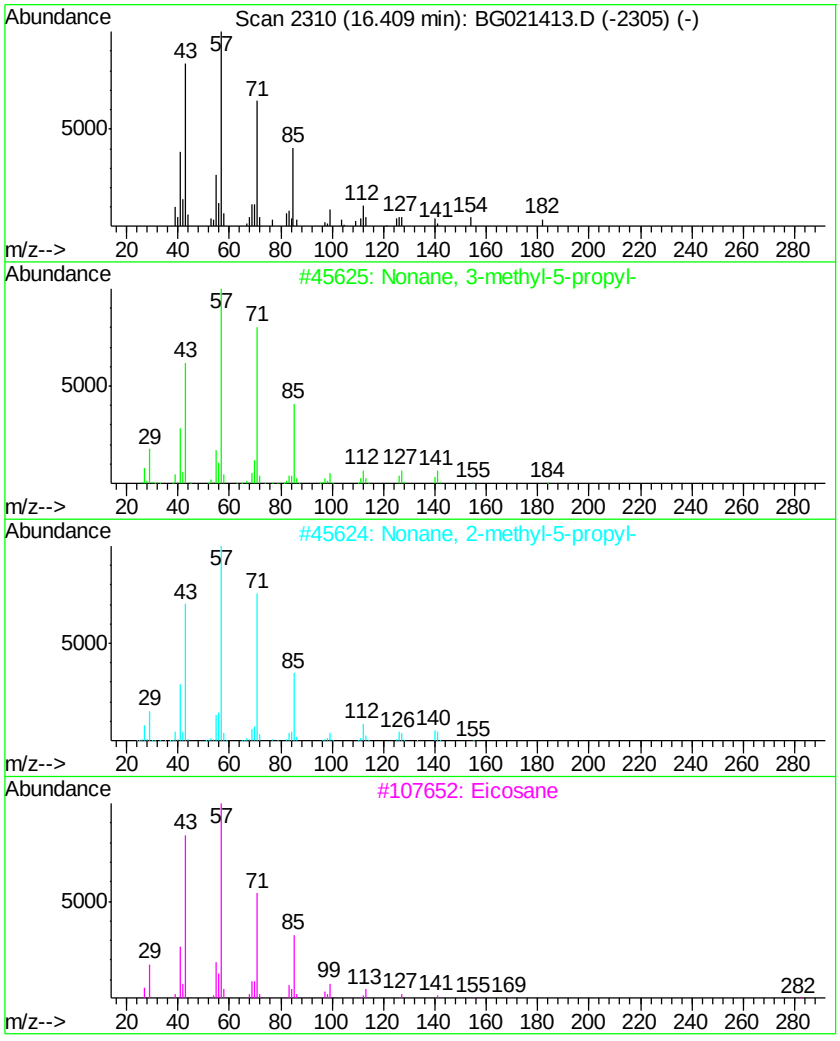
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

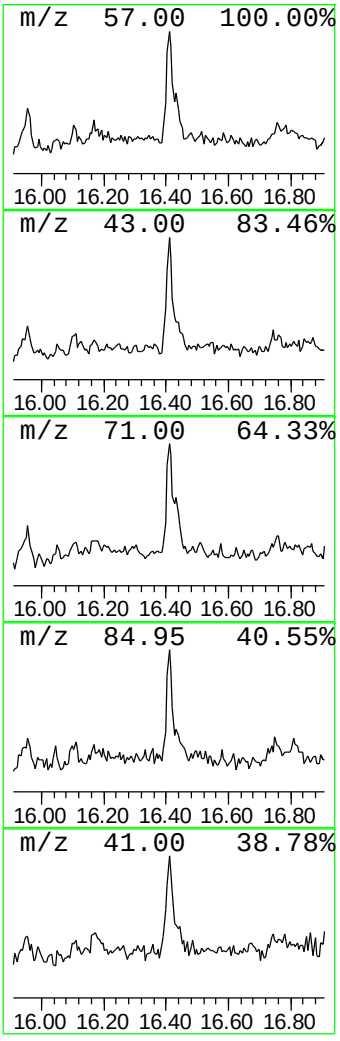
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.75 ng/ul	33847	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	86
2	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	78
3	Eicosane	282	C20H42	000112-95-8	68
4	5-Ethyldecane	170	C12H26	017302-36-2	64
5	Octacosane	394	C28H58	000630-02-4	64





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

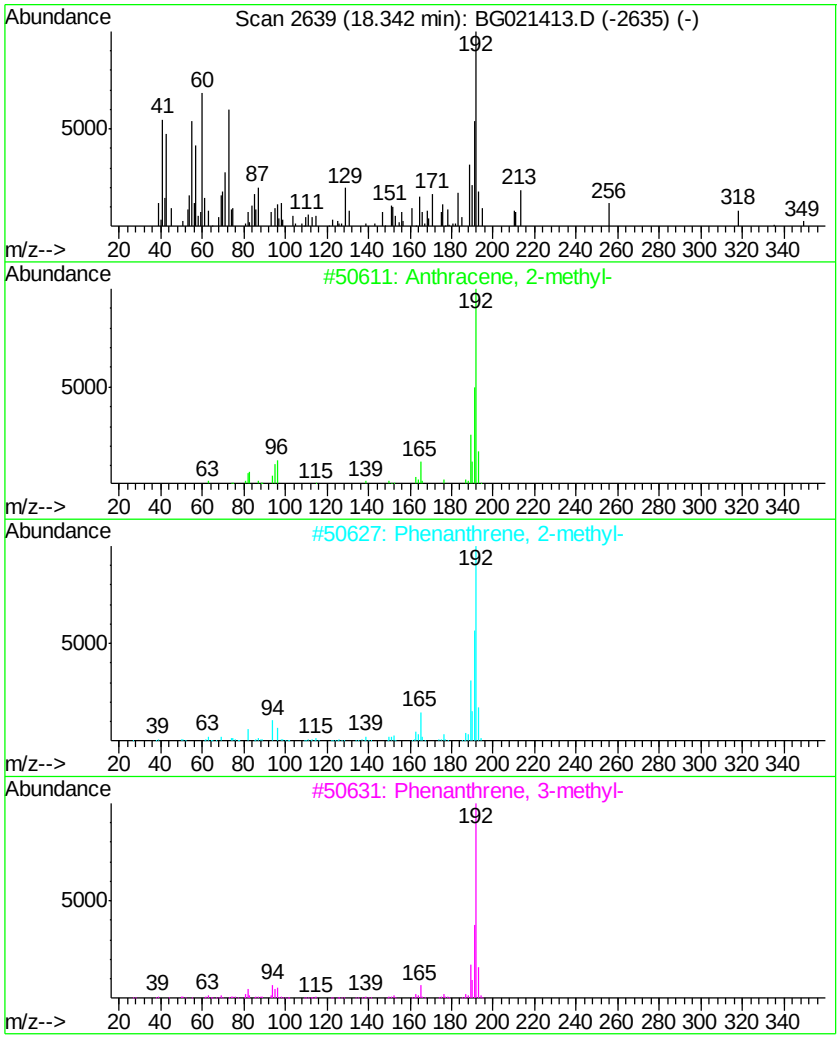
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

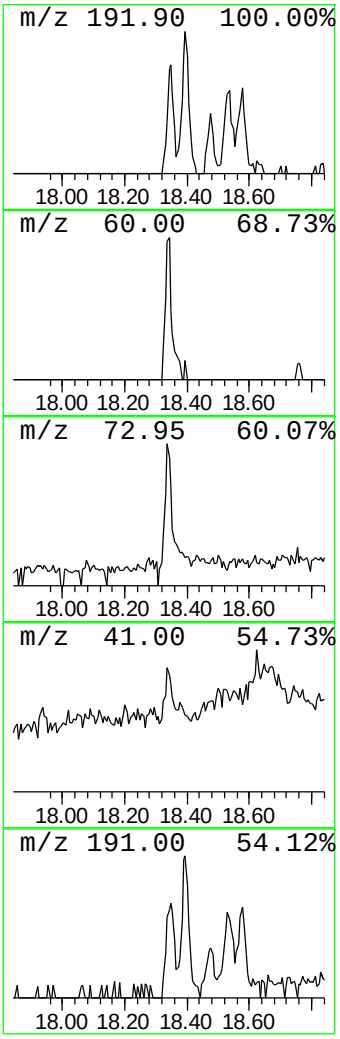
****

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.03 ng/ul	37325	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	49
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	43
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	43
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

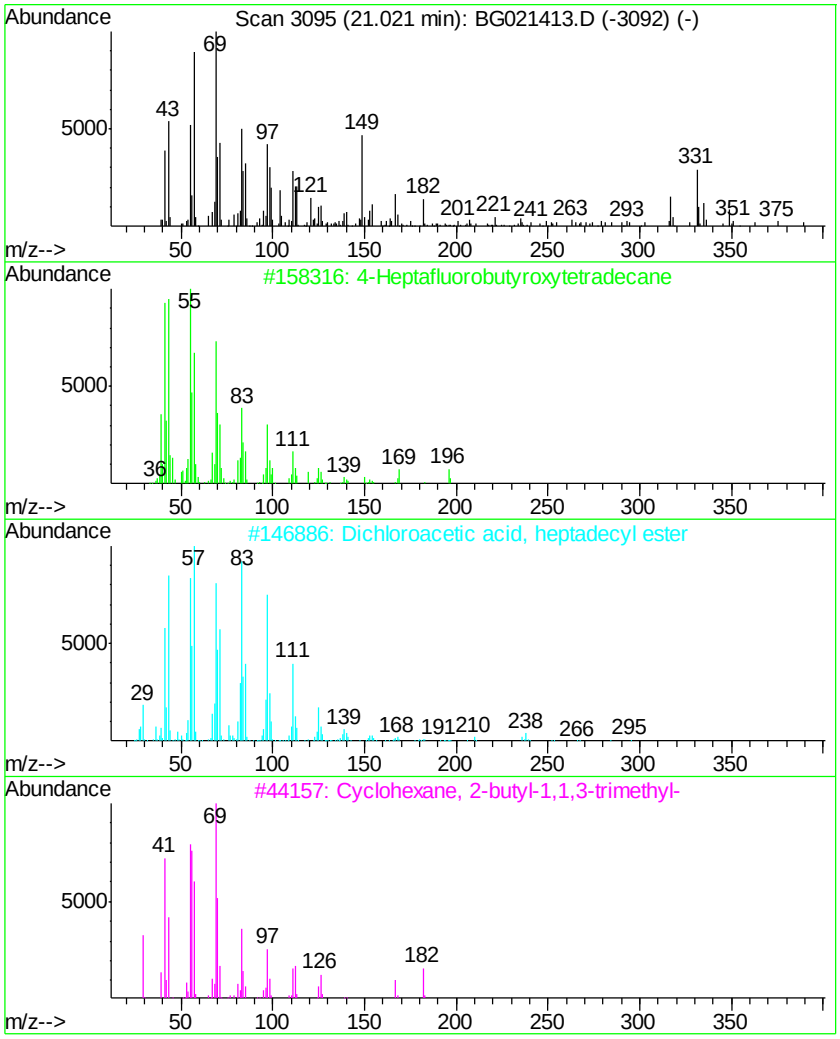
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

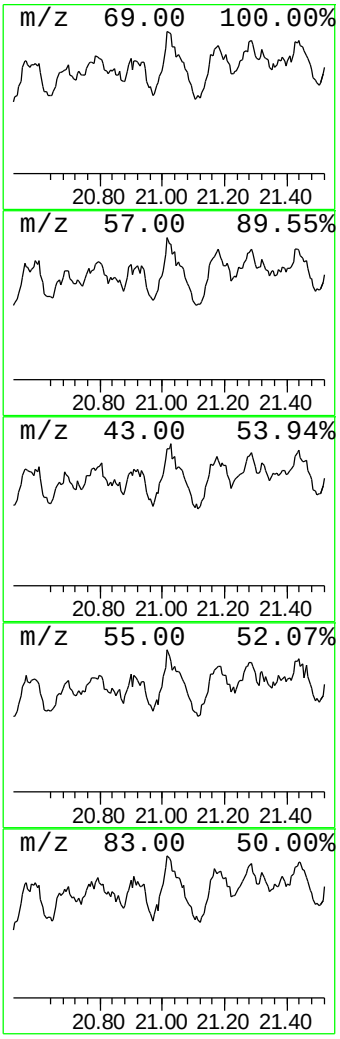
****

Peak Number 7 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	30.53 ng/ul	739996	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-9	47
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	43
3	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	42
4	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	38
5	3-Octadecene, (E)-	252	C18H36	007206-19-1	38





Tentatively Identified Compound (LSC) summary

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021413.D
Acq On : 10 Mar 2016 18:15
Operator : UM/SJ
Sample : H1616-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P009-SS004-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.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...	3.25	3.3	ng/ul	12985	1	8.12	78590	20.0
2H-1-Benzopyran-2...	14.25	5.6	ng/ul	64006	3	14.73	227496	20.0
(DEL) Alkane: Str...	15.55	2.5	ng/ul	29040	3	14.73	227496	20.0
(DEL) Alkane: Str...	16.41	2.8	ng/ul	33847	4	17.48	246243	20.0
unknown-01	18.34	3.0	ng/ul	37325	4	17.48	246243	20.0
unknown-02	21.02	30.5	ng/ul	739996	5	21.74	484775	20.0