LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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	3.179	54	58	61	rBV2	8204	12507	3.28%	0.245%
2	3.214	61	64	68	rVV	7674	10825	2.84%	0.212%
3	3.255	68	71	76	rVV	7914	10958	2.87%	0.215%
4	3.302	76	79	85	rVV3	3159	4325	1.13%	0.085%
5	3.525	114	117	121	rVB2	1960	2537	0.67%	0.050%
6	3.954	183	190	196	rVB4	1368	2488	0.65%	0.049%
7	4.054	201	207	212	rBV3	7593	11785	3.09%	0.231%
8	4.124	216	219	222	rBV2	1052	1213	0.32%	0.024%
9	4.283	242	246	249	rVB	780	1219	0.32%	0.024%
10	4.841	338	341	347	rVB2	1121	1728	0.45%	0.034%
11	5.206	400	403	405	rBV	1065	1130	0.30%	0.022%
12	5.294	416	418	422	rVV2	1243	1690	0.44%	0.033%
13	5.617	470	473	478	rBB	642	965	0.25%	0.019%
14	5.758	491	497	502	rBB	898	1777	0.47%	0.035%
15	7.315	755	762	770	rBV	48941	90579	23.74%	1.776%
16	7.444	778	784	793	rBB	37136	61327	16.08%	1.203%
17	7.667	815	822	830	rBV	48788	82798	21.71%	1.624%
18	8.120	893	899	906	rVB	50864	83105	21.79%	1.630%
19	8.690	993	996	1001	rBB	1038	1525	0.40%	0.030%
20	8.848	1017	1023	1031	rBB2	31995	56919	14.92%	1.116%
21	9.289	1091	1098	1107	rBB	55911	95644	25.07%	1.876%
22	9.406	1112	1118	1121	rBB3	1322	2104	0.55%	0.041%
23	9.571	1140	1146	1151	rBB2	9927	14985	3.93%	0.294%
24	10.012	1214	1221	1227	rVB	50811	87298	22.88%	1.712%
25	10.229	1255	1258	1260	rBV	864	1005	0.26%	0.020%
26	10.576	1311	1317	1326	rBB2	66375	118134	30.97%	2.317%
27	10.928	1370	1377	1383	rVV	85150	153452	40.23%	3.009%
28	10.981	1383	1386	1394	rVV3	6407	9102	2.39%	0.179%
29	11.063	1394	1400	1411	rVV	32392	59988	15.73%	1.176%
30	12.309	1608	1612	1616	rBB2	1770	2119	0.56%	0.042%
31	12.497	1642	1644	1652	rBB2	897	1195	0.31%	0.023%
32	12.573	1652	1657	1663	rBB2	3791	6191	1.62%	0.121%
33	12.791	1690	1694	1698	rBB	1850	2611	0.68%	0.051%
34	13.008	1727	1731	1735	rBB	1284	1509	0.40%	0.030%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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	13.255	1769	1773	1777	rVB4	1376	1636	0.43%	0.032%
36	13.331	1782	1786	1791	rBB2	1404	1772	0.46%	0.035%
37	13.537	1813	1821	1825	rBV	5677	8064	2.11%	0.158%
38	13.613	1830	1834	1839	rVB3	2717	4292	1.13%	0.084%
39	13.895	1879	1882	1883	rBV	1248	1330	0.35%	0.026%
40	13.913	1883	1885	1889	rVB2	1498	2104	0.55%	0.041%
41	14.054	1905	1909	1914	rVB2	3020	4208	1.10%	0.083%
42	14.130	1914	1922	1926	rBV	138130	198891	52.14%	3.901%
43	14.177	1926	1930	1936	rVB	63614	89879	23.56%	1.763%
44	14.230	1936	1939	1942	rVB2	1550	2066	0.54%	0.041%
45	14.301	1944	1951	1956	rVB4	1732	4275	1.12%	0.084%
46	14.430	1966	1973	1981	rBV	149555	226087	59.27%	4.434%
47	14.600	1998	2002	2007	rBV	14390	17820	4.67%	0.349%
48	14.677	2011	2015	2016	rBV2	2100	1989	0.52%	0.039%
49	14.736	2018	2025	2031	rVB2	132732	220419	57.78%	4.323%
50	14.794	2031	2035	2039	rVB2	3853	5751	1.51%	0.113%
51	14.941	2055	2060	2061	rBV3	1323	1318	0.35%	0.026%
52	15.006	2065	2071	2082	rBV	41601	87269	22.88%	1.712%
53	15.094	2082	2086	2089	rVV4	6593	11476	3.01%	0.225%
54	15.135	2089	2093	2100	rVB7	9806	17448	4.57%	0.342%
55	15.211	2100	2106	2114	rVB6	4082	9813	2.57%	0.192%
56	15.282	2114	2118	2122	rBV4	2592	3846	1.01%	0.075%
57	15.341	2124	2128	2132	rBV4	2153	3352	0.88%	0.066%
58	15.388	2134	2136	2140	rVB3	1080	1252	0.33%	0.025%
59	15.511	2152	2157	2159	rBV4	3110	6117	1.60%	0.120%
60	15.546	2159	2163	2169	rVB	22710	28135	7.38%	0.552%
61	15.605	2169	2173	2176	rBV4	2880	3355	0.88%	0.066%
62	15.723	2186	2193	2198	rBV	181003	283919	74.43%	5.568%
63	15.770	2198	2201	2207	rVV5	10494	16275	4.27%	0.319%
64	15.840	2207	2213	2219	rVV	58992	87634	22.97%	1.719%
65	15.952	2225	2232	2236	rBV2	9791	16912	4.43%	0.332%
66	16.046	2246	2248	2249	rBV2	1785	1492	0.39%	0.029%
67	16.105	2255	2258	2261	rBV4	2173	3007	0.79%	0.059%
68	16.169	2266	2269	2272	rBV4	3305	4636	1.22%	0.091%
69	16.216	2272	2277	2279	rBV4	2854	4815	1.26%	0.094%
70	16.293	2287	2290	2291	rBV3	1959	1922	0.50%	0.038%
71	16.351	2294	2300	2305	rBV6	1547	3844	1.01%	0.075%

LSC Area Percent Report

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Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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	16.404	2305	2309	2312	rBV	23156	35265	9.24%	0.692%
73	16.763	2363	2370	2372	rBV7	5295	11386	2.98%	0.223%
74	16.804	2375	2377	2381	rVB5	2603	3937	1.03%	0.077%
75	16.909	2393	2395	2400	rBV6	2947	2723	0.71%	0.053%
76	16.998	2405	2410	2416	rBV9	6517	11981	3.14%	0.235%
77	17.127	2428	2432	2439	rBV8	3699	7392	1.94%	0.145%
78	17.209	2440	2446	2451	rVV2	200070	287607	75.40%	5.641%
79	17.250	2451	2453	2456	rVV3	10254	10602	2.78%	0.208%
80	17.315	2456	2464	2468	rVV2	47738	69913	18.33%	1.371%
81	17.409	2476	2480	2483	rVB5	6226	8924	2.34%	0.175%
82	17.474	2485	2491	2495	rVV	164280	253793	66.53%	4.977%
83	17.515	2495	2498	2502	rVV	70014	97736	25.62%	1.917%
84	17.568	2502	2507	2517	rVB2	174969	290942	76.27%	5.706%
85	17.932	2566	2569	2575	rVB2	12480	16908	4.43%	0.332%
86	18.226	2615	2619	2624	rBV4	16333	25185	6.60%	0.494%
87	18.337	2634	2638	2644	rBV2	44151	67229	17.62%	1.318%
88	18.390	2644	2647	2654	rVB2	16357	24419	6.40%	0.479%
89	18.466	2658	2660	2665	rVB4	7233	9911	2.60%	0.194%
90	18.537	2668	2672	2676	rBV4	14044	23761	6.23%	0.466%
91	18.619	2683	2686	2690	rBV3	9379	12584	3.30%	0.247%
92	18.831	2719	2722	2727	rBV2	9004	14039	3.68%	0.275%
93	18.878	2727	2730	2735	rVB7	10838	15913	4.17%	0.312%
94	19.078	2760	2764	2767	rBV5	7677	12377	3.24%	0.243%
95	19.248	2789	2793	2797	rBV3	16201	24537	6.43%	0.481%
96	19.512	2833	2838	2844	rVB	128470	183417	48.08%	3.597%
97	19.847	2890	2895	2898	rBV2	230533	348318	91.31%	6.831%
98	21.733	3209	3216	3221	rBV2	179247	381466	100.00%	7.481%
99	24.777	3728	3734	3741	rVB	95916	215255	56.43%	4.222%
100	25.006	3767	3773	3782	rVB	90916	246285	64.56%	4.830%

Sum of corrected areas: 5098962

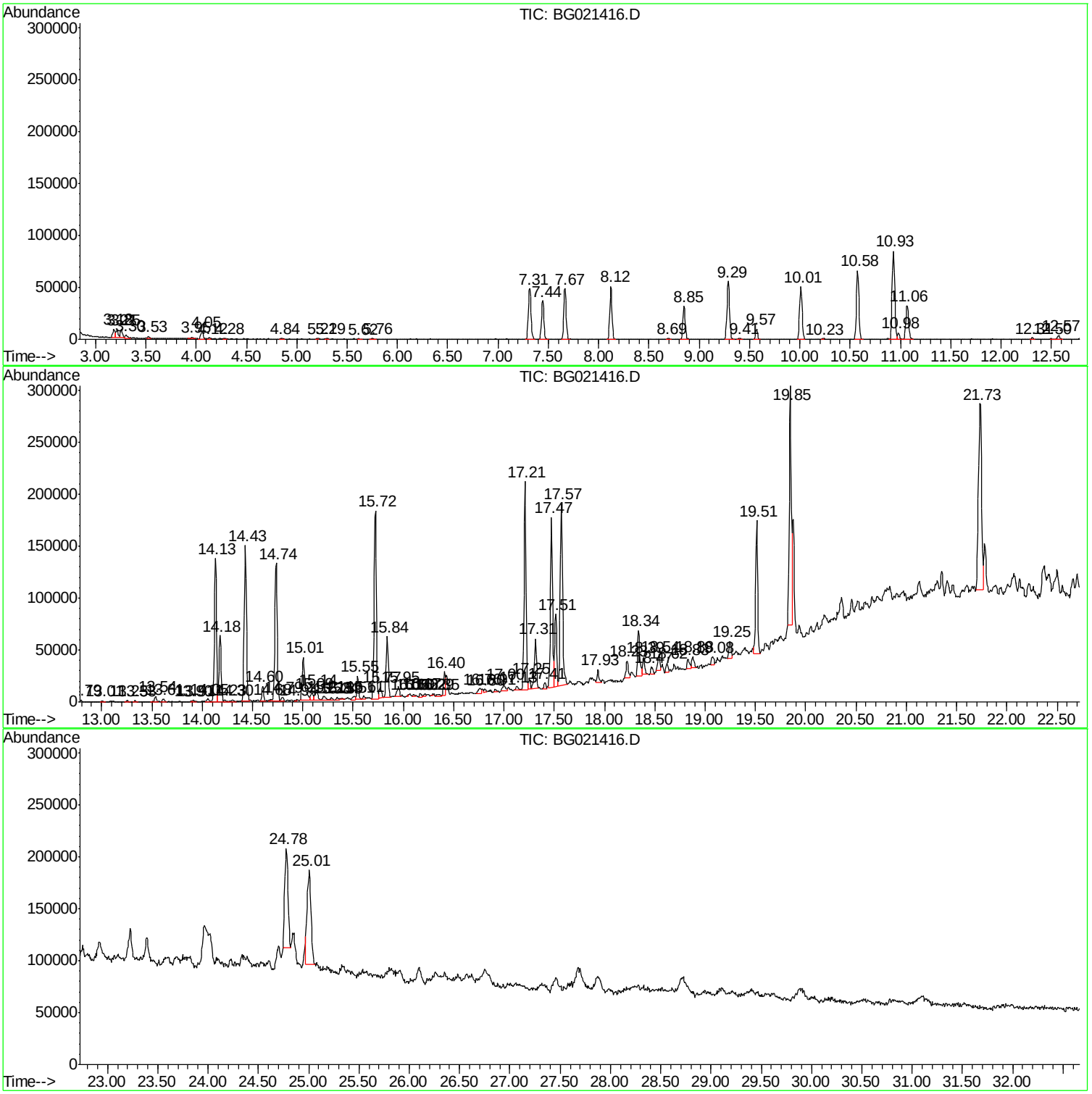
LSC Report - Integrated Chromatogram

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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 : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

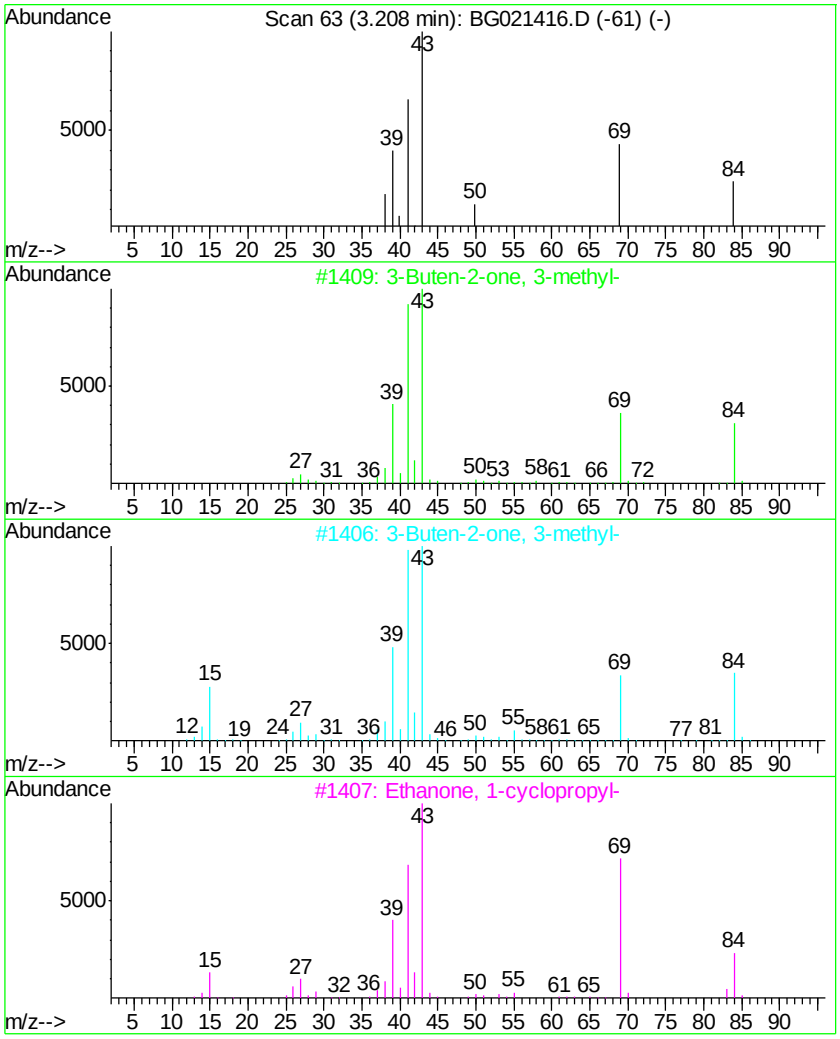
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

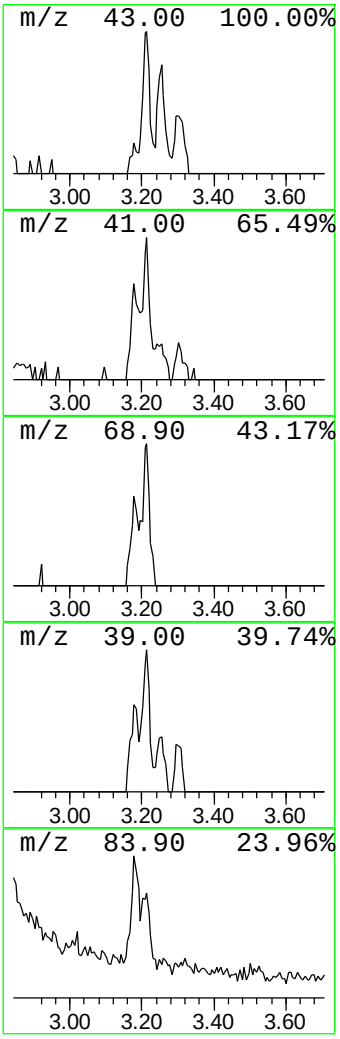
****

Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	2.61 ng/ul	10825	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	90
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	83
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	64
4	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	38
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	32





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

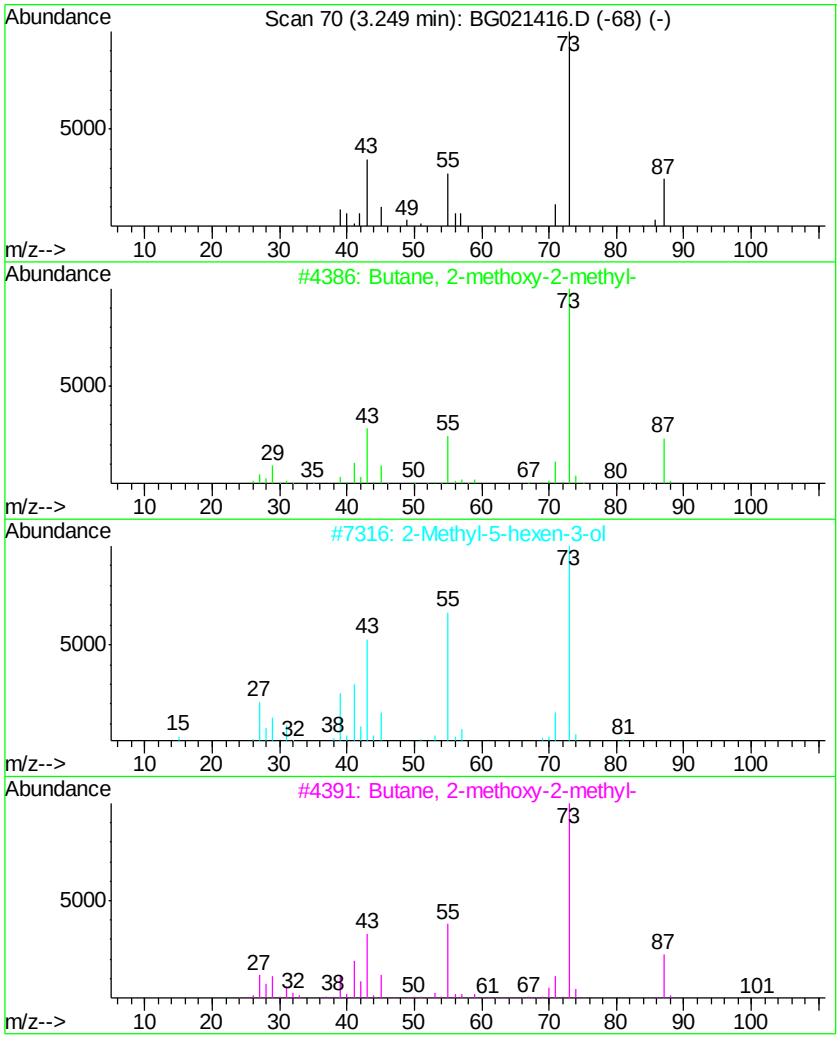
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

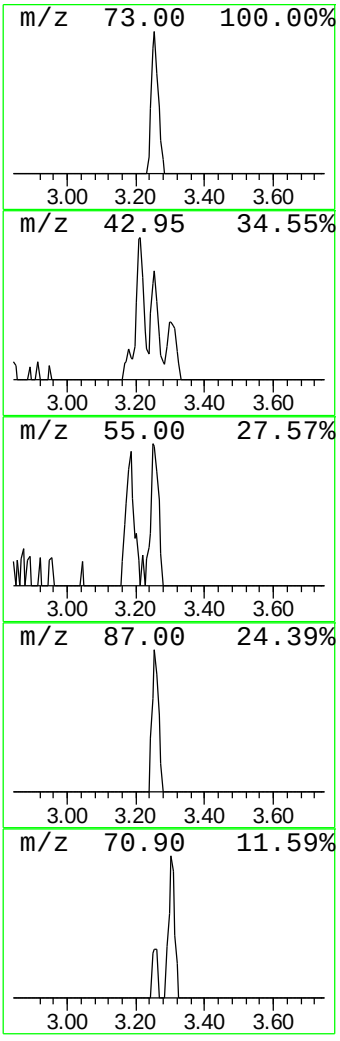
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	2.64 ng/ul	10958	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	56
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	28
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	7
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

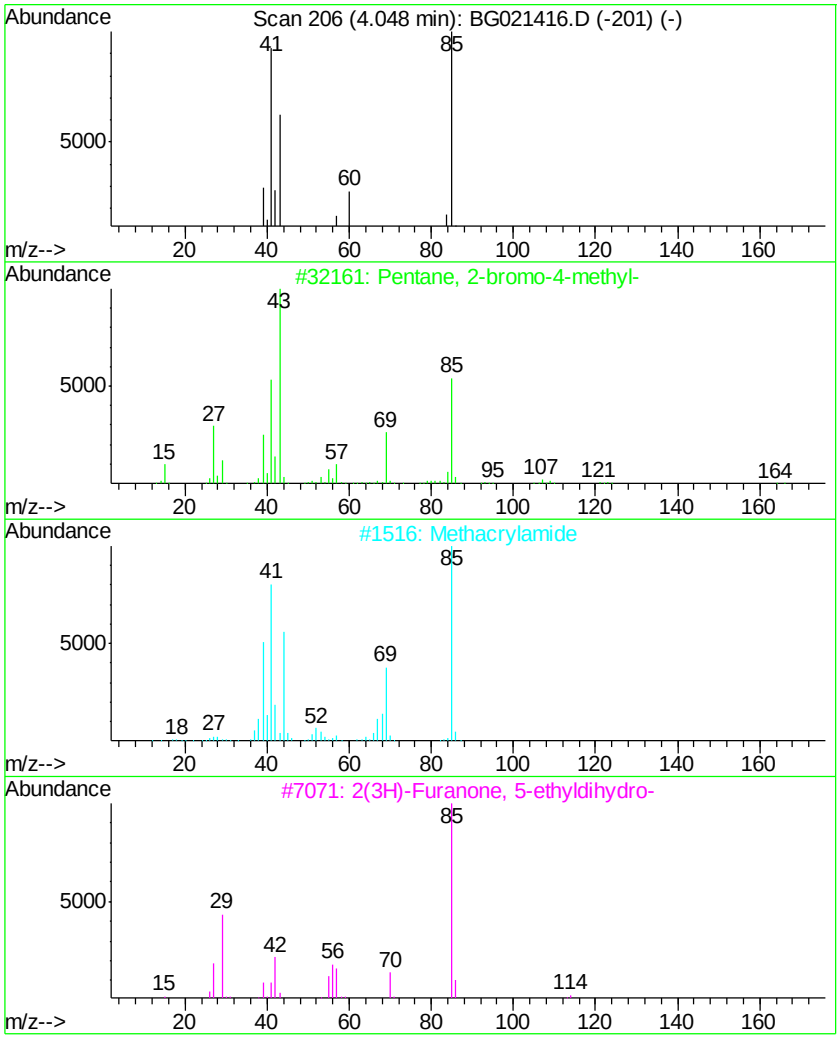
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

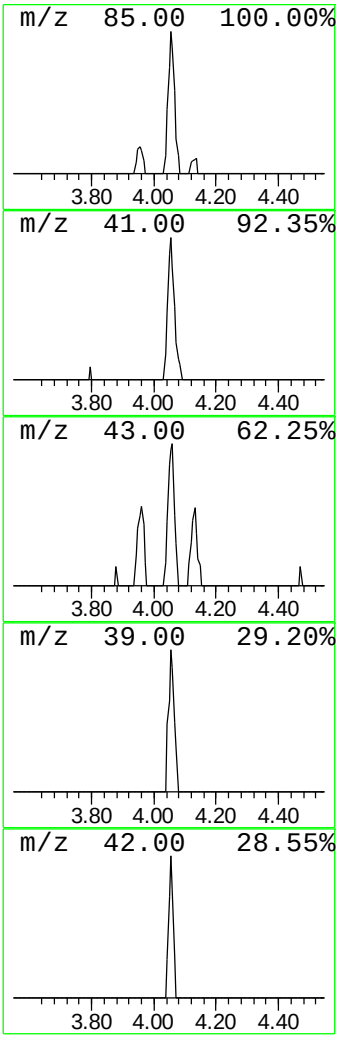
****

Peak Number 4 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	2.84 ng/ul	11785	1,4-Dichlorobenzene-d4	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	39
2	Methacrylamide	85	C4H7NO	000079-39-0	9
3	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	9
4	Ethane-1,2-diimine, N,N'-diamino-	86	C2H6N4	1000197-11-5	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	5





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

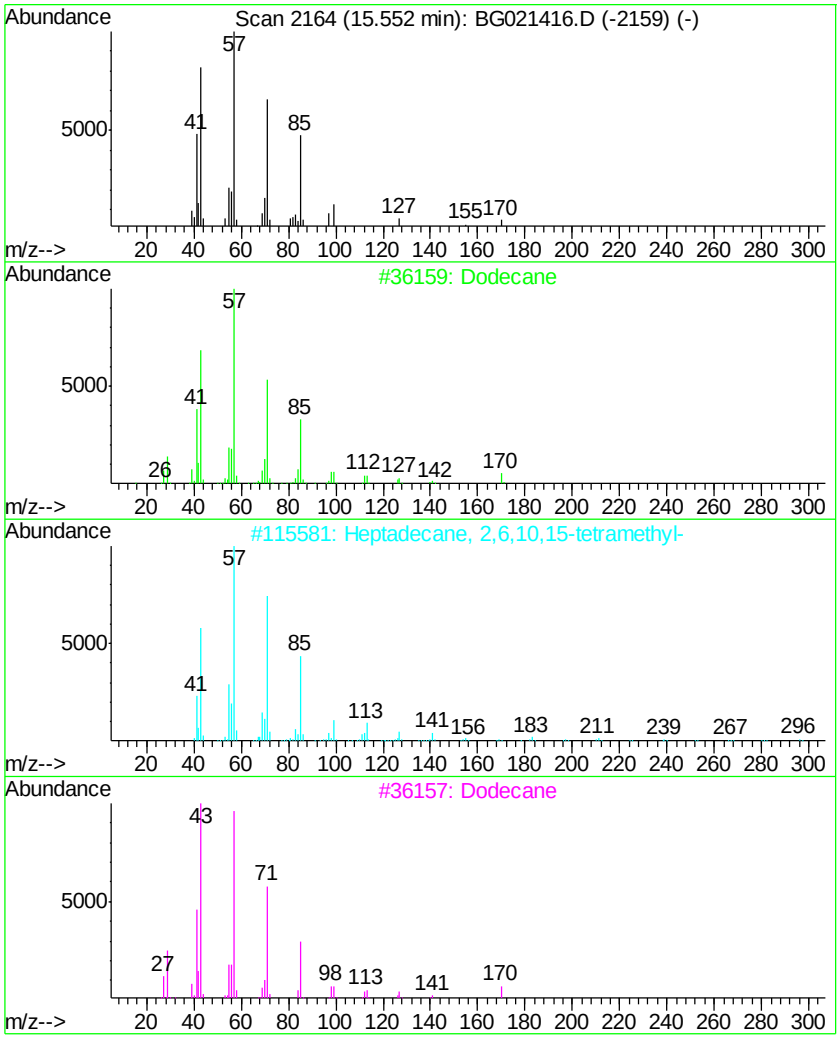
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

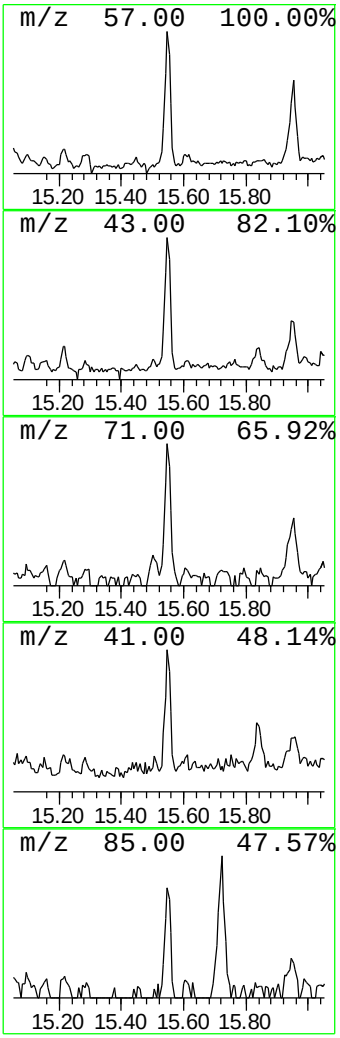
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.55 ng/ul	28135	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Dodecane	170	C12H26	000112-40-3	87
4	Dodecane	170	C12H26	000112-40-3	87
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

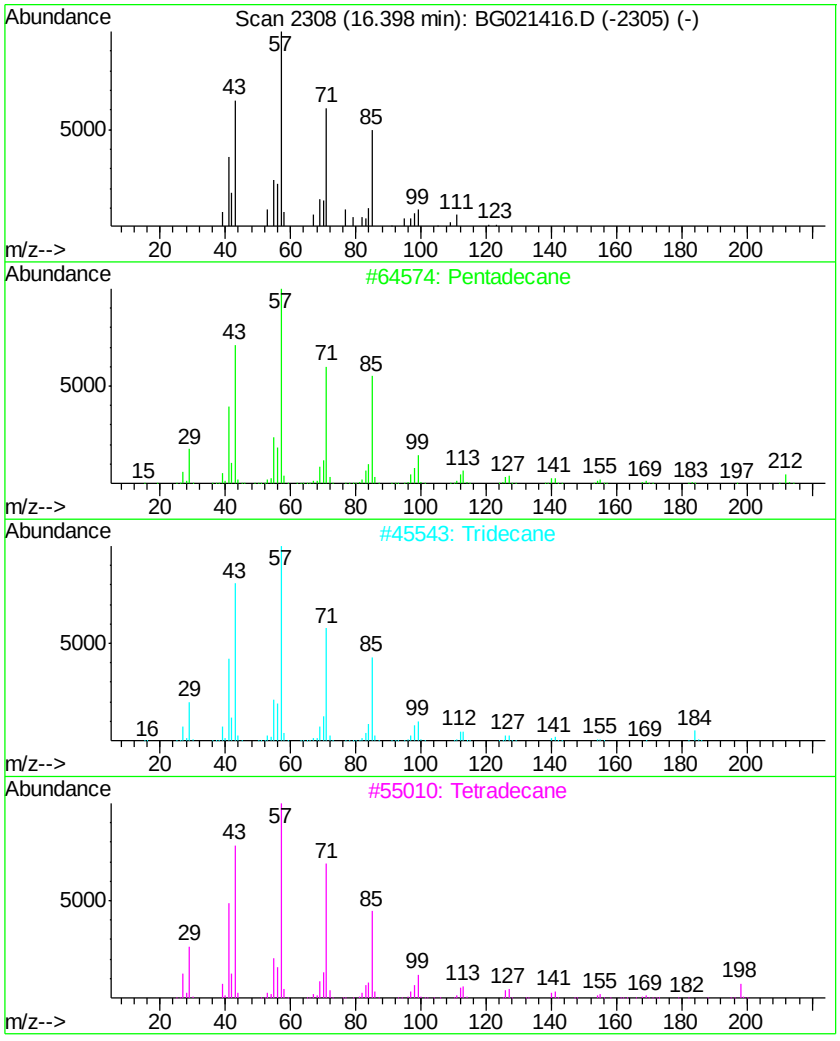
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

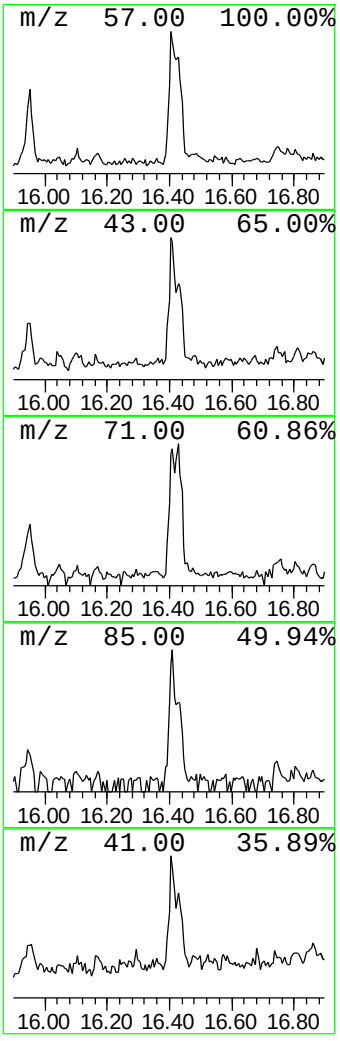
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.78 ng/ul	35265	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Tridecane	184	C13H28	000629-50-5	91
3	Tetradecane	198	C14H30	000629-59-4	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane	170	C12H26	000112-40-3	90





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

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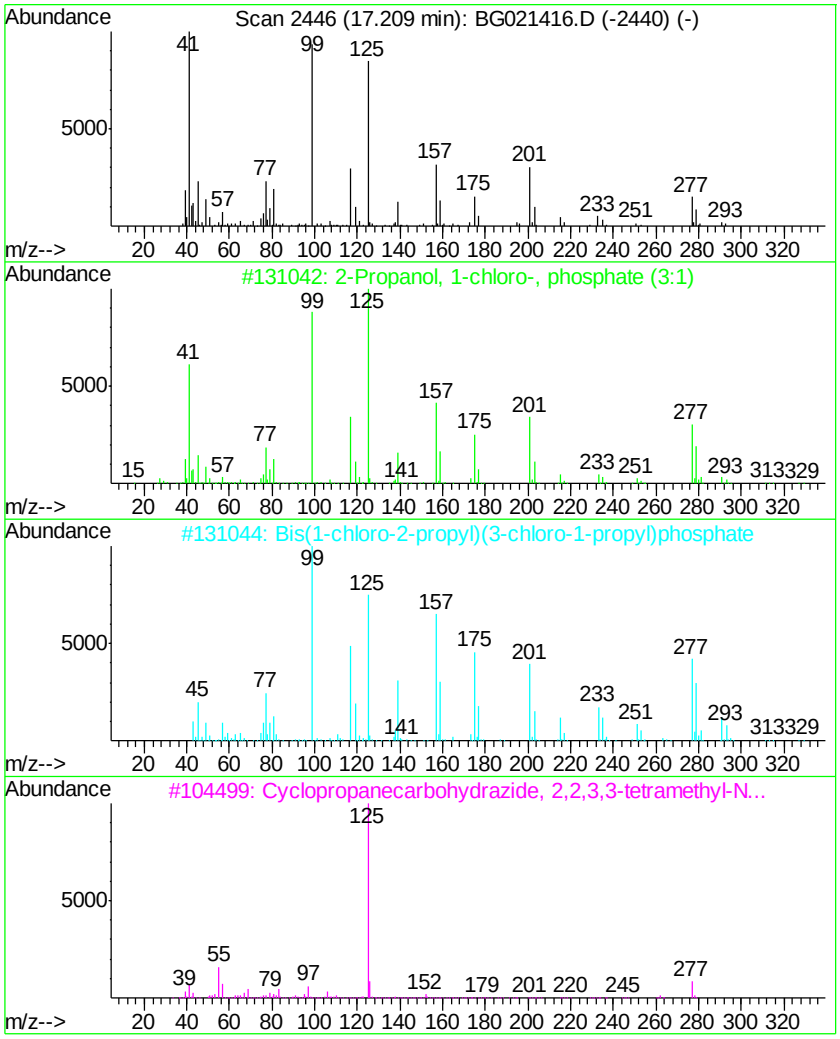
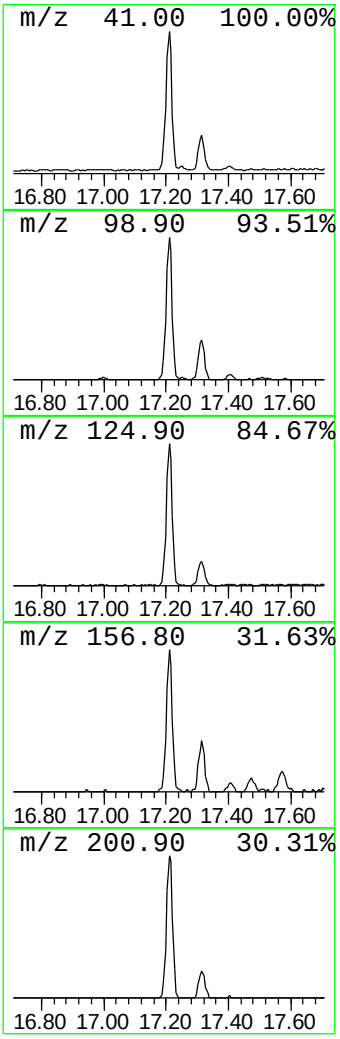
Peak Number 7 2-Propanol, 1-chloro-, phos... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	22.66 ng/ul	287607	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	91
2	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	32
3	Cyclopropanecarbohydrazide, 2,2,...	277	C14H19N3O3	329069-29-6	25
4	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	22
5	Diallyl maleate	196	C10H12O4	000999-21-3	14





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

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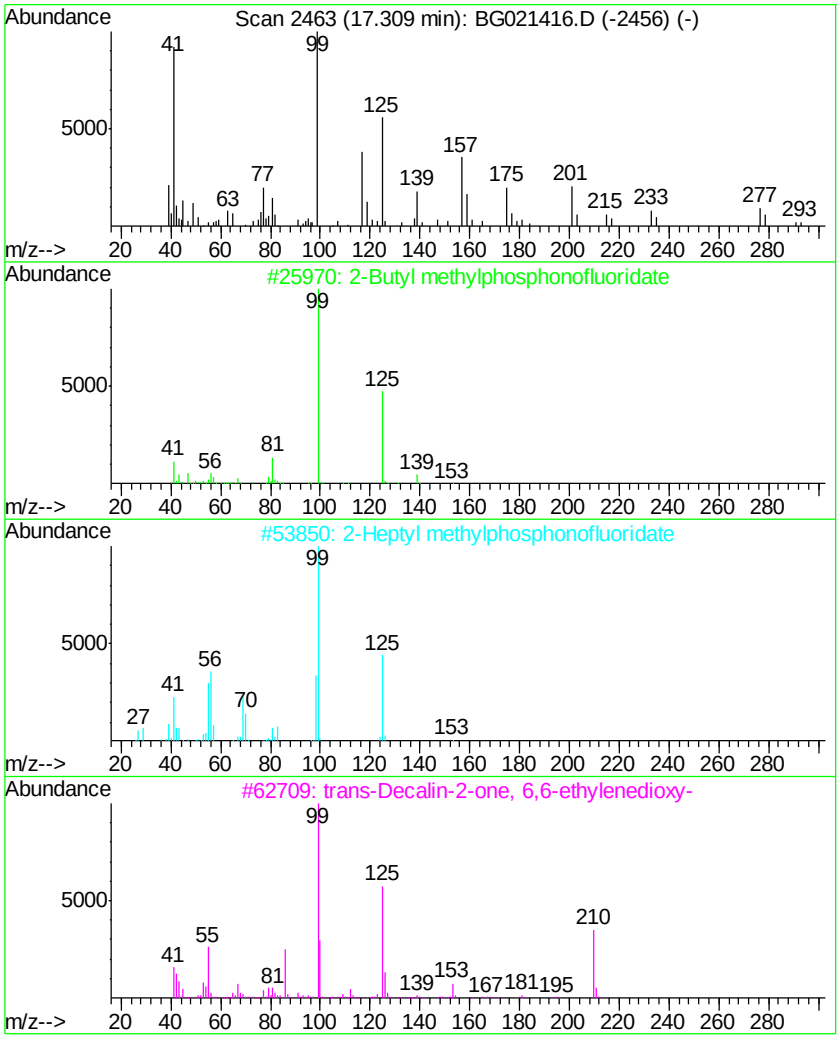
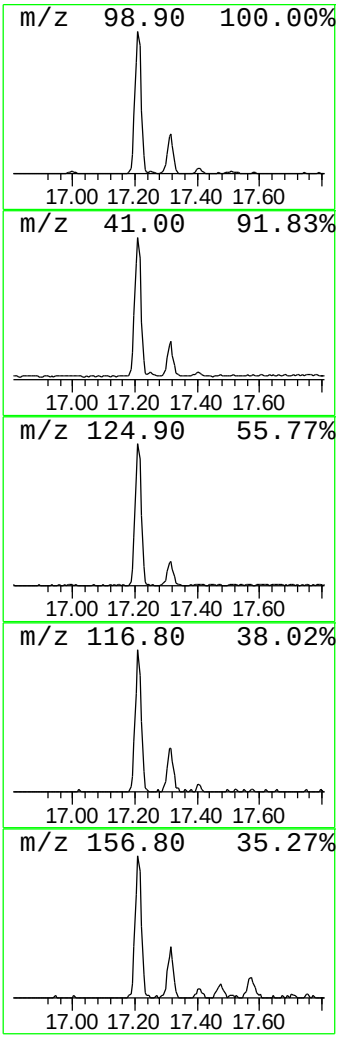
Peak Number 8 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	5.51 ng/ul	69913	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	25
2	2-Heptyl methylphosphonofluoridate	196	C8H18FO2P	000674-95-3	17
3	trans-Decalin-2-one, 6,6-ethylen...	210	C12H18O3	1000126-93-8	17
4	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	17
5	2-tert-Butylcyclohexyl methylpho...	236	C11H22FO2P	1000298-39-6	14





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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

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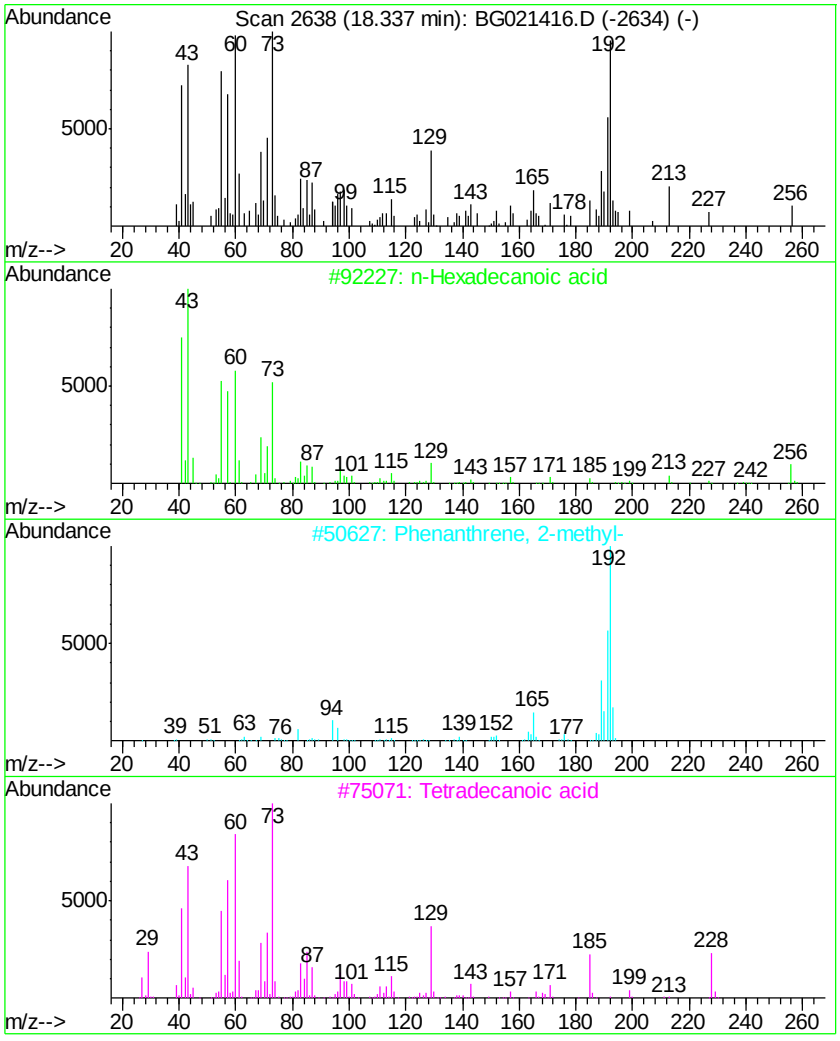
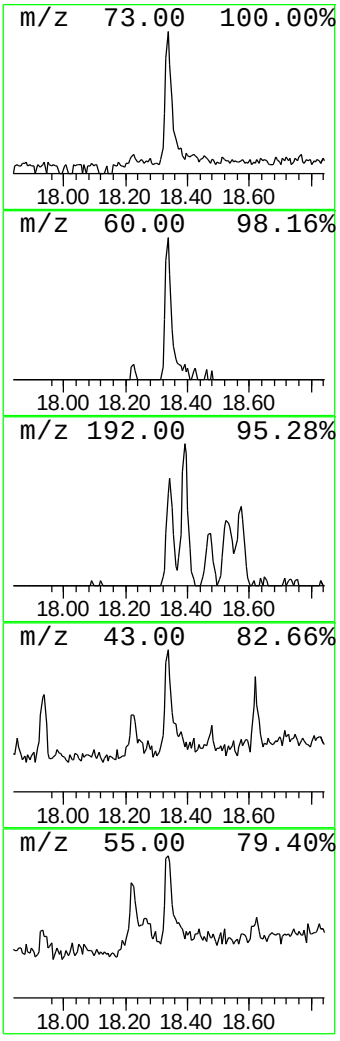
Peak Number 9 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	5.30 ng/ul	67229	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	51
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	45
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	43





Tentatively Identified Compound (LSC) summary

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021416.D
Acq On : 10 Mar 2016 20:15
Operator : UM/SJ
Sample : H1616-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P010-SS003-01

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
3-Buten-2-one, 3-...	3.21	2.6	ng/ul	10825	1	8.12	83105	20.0
Butane, 2-methoxy...	3.25	2.6	ng/ul	10958	1	8.12	83105	20.0
unknown-01	4.05	2.8	ng/ul	11785	1	8.12	83105	20.0
(DEL) Alkane: Str...	15.55	2.5	ng/ul	28135	3	14.74	220419	20.0
(DEL) Alkane: Str...	16.40	2.8	ng/ul	35265	4	17.47	253793	20.0
2-Propanol, 1-chl...	17.21	22.7	ng/ul	287607	4	17.47	253793	20.0
unknown-02	17.31	5.5	ng/ul	69913	4	17.47	253793	20.0
n-Hexadecanoic acid	18.34	5.3	ng/ul	67229	4	17.47	253793	20.0