LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

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-BG100415.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	3.169	49	56	64	rVV2	74812	205260	18.80%	1.645%
2	3.252	64	70	85	rVB	223461	407087	37.29%	3.262%
3	3.375	88	91	94	rBV4	753	1371	0.13%	0.011%
4	3.428	98	100	104	rVB4	1117	1332	0.12%	0.011%
5	3.516	111	115	116	rBV3	2577	3063	0.28%	0.025%
6	4.262	235	242	243	rBV6	1026	1745	0.16%	0.014%
7	5.073	376	380	386	rBV3	826	1711	0.16%	0.014%
8	7.006	706	709	714	rBV4	1933	2832	0.26%	0.023%
9	7.200	735	742	748	rBV	56062	94740	8.68%	0.759%
10	7.370	764	771	780	rVV	135448	220469	20.20%	1.767%
11	7.464	784	787	790	rBV2	1086	1275	0.12%	0.010%
12	7.576	799	806	815	rVB	150492	252576	23.14%	2.024%
13	8.046	879	886	894	rBV	143087	239428	21.93%	1.919%
14	8.105	894	896	902	rVB3	3189	4676	0.43%	0.037%
15	8.739	995	1004	1012	rBV	143878	237223	21.73%	1.901%
16	9.203	1073	1083	1090	rBV	163482	282265	25.86%	2.262%
17	9.926	1199	1206	1218	rBV	133721	234697	21.50%	1.881%
18	10.461	1290	1297	1305	rVB	202918	354375	32.46%	2.840%
19	10.625	1323	1325	1330	rVB2	936	1446	0.13%	0.012%
20	10.854	1354	1364	1372	rVV	199780	356931	32.70%	2.860%
21	10.978	1379	1385	1392	rVB2	15622	27853	2.55%	0.223%
22	11.142	1410	1413	1417	rBV3	1102	1264	0.12%	0.010%
23	11.501	1471	1474	1477	rVB3	1270	1497	0.14%	0.012%
24	12.053	1564	1568	1570	rBV4	1032	1383	0.13%	0.011%
25	12.147	1582	1584	1587	rVB2	2306	1957	0.18%	0.016%
26	12.435	1627	1633	1637	rBV4	2749	5368	0.49%	0.043%
27	12.541	1647	1651	1652	rBV2	1292	1596	0.15%	0.013%
28	12.981	1723	1726	1730	rVB3	963	1267	0.12%	0.010%
29	13.040	1730	1736	1741	rBV3	3507	6345	0.58%	0.051%
30	13.281	1772	1777	1782	rBV4	5197	9196	0.84%	0.074%
31	13.481	1808	1811	1814	rBV3	1265	1711	0.16%	0.014%
32	13.557	1822	1824	1825	rBV2	1647	1406	0.13%	0.011%
33	13.569	1825	1826	1829	rVB3	2046	1474	0.14%	0.012%
34	13.704	1844	1849	1853	rBV5	1419	2669	0.24%	0.021%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

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-BG100415.M
Title : SVOA CALIBRATION

35	13.839	1868	1872	1878	rBV3	1066	2509	0.23%	0.020%
36	13.904	1881	1883	1886	rVV4	966	1335	0.12%	0.011%
37	14.074	1904	1912	1918	rBV	371078	523479	47.95%	4.195%
38	14.303	1944	1951	1952	rBV4	1357	2084	0.19%	0.017%
39	14.362	1955	1961	1968	rVV	407329	634074	58.08%	5.081%
40	14.474	1978	1980	1983	rBV3	1071	1294	0.12%	0.010%
41	14.503	1983	1985	1988	rVV4	1111	1251	0.11%	0.010%
42	14.585	1994	1999	2000	rBV4	1535	1543	0.14%	0.012%
43	14.668	2006	2013	2022	rVB2	296525	485179	44.44%	3.888%
44	14.838	2035	2042	2048	rBV	63891	103965	9.52%	0.833%
45	14.891	2048	2051	2059	rVB4	4066	6603	0.60%	0.053%
46	15.003	2066	2070	2071	rBV3	2791	2622	0.24%	0.021%
47	15.026	2071	2074	2078	rVV5	4029	5595	0.51%	0.045%
48	15.073	2079	2082	2087	rVV3	2620	3716	0.34%	0.030%
49	15.179	2098	2100	2104	rVB4	1506	1717	0.16%	0.014%
50	15.314	2122	2123	2125	rBV2	1643	1368	0.13%	0.011%
51	15.402	2133	2138	2144	rBV	63094	88400	8.10%	0.708%
52	15.478	2148	2151	2152	rVV3	2801	2883	0.26%	0.023%
53	15.520	2155	2158	2161	rBV4	1854	1957	0.18%	0.016%
54	15.661	2175	2182	2191	rVB	530071	815035	74.66%	6.532%
55	15.760	2193	2199	2205	rBV	183887	272380	24.95%	2.183%
56	15.854	2214	2215	2217	rVV2	2015	1606	0.15%	0.013%
57	15.901	2218	2223	2227	rVB6	7023	12927	1.18%	0.104%
58	15.943	2227	2230	2231	rVB2	2072	1612	0.15%	0.013%
59	15.954	2231	2232	2233	rBV	1994	1302	0.12%	0.010%
60	16.019	2240	2243	2245	rBV4	2705	2954	0.27%	0.024%
61	16.060	2248	2250	2255	rVB6	2563	3729	0.34%	0.030%
62	16.101	2255	2257	2260	rBV3	2334	2985	0.27%	0.024%
63	16.154	2264	2266	2269	rVB3	1792	1989	0.18%	0.016%
64	16.266	2283	2285	2287	rBV3	1921	1348	0.12%	0.011%
65	16.313	2291	2293	2294	rBV2	2970	2535	0.23%	0.020%
66	16.372	2301	2303	2306	rVB4	3699	3596	0.33%	0.029%
67	16.413	2306	2310	2312	rBV5	1820	2418	0.22%	0.019%
68	16.554	2330	2334	2338	rBV4	7070	11285	1.03%	0.090%
69	16.612	2342	2344	2347	rVV4	2697	2518	0.23%	0.020%
70	16.724	2359	2363	2365	rVB5	4517	5886	0.54%	0.047%
71	16.771	2369	2371	2372	rBV2	2448	1539	0.14%	0.012%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

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-BG100415.M
Title : SVOA CALIBRATION

72	16.806	2375	2377	2380	rVV4	3267	2754	0.25%	0.022%
73	16.853	2380	2385	2388	rVV6	6476	8186	0.75%	0.066%
74	16.988	2406	2408	2410	rBV3	2443	2479	0.23%	0.020%
75	17.112	2427	2429	2431	rBV3	2241	1745	0.16%	0.014%
76	17.411	2473	2480	2486	rBV	398497	607525	55.65%	4.869%
77	17.511	2490	2497	2504	rVB	571530	875626	80.21%	7.017%
78	17.629	2515	2517	2519	rBV3	3318	2979	0.27%	0.024%
79	18.305	2627	2632	2639	rBV2	76774	114810	10.52%	0.920%
80	18.604	2680	2683	2691	rVB4	17848	33111	3.03%	0.265%
81	19.574	2844	2848	2862	rBV	75177	117860	10.80%	0.945%
82	19.721	2869	2873	2877	rBV	284499	314966	28.85%	2.524%
83	19.791	2879	2885	2890	rVV	730680	1056586	96.79%	8.467%
84	19.838	2890	2893	2897	rVB	47787	54778	5.02%	0.439%
85	20.337	2975	2978	2980	rVB2	13061	12877	1.18%	0.103%
86	20.761	3046	3050	3055	rVB	260264	284328	26.05%	2.279%
87	20.831	3058	3062	3065	rVV	35101	44007	4.03%	0.353%
88	20.866	3065	3068	3072	rVB2	24152	27105	2.48%	0.217%
89	21.336	3145	3148	3154	rVB	40136	55282	5.06%	0.443%
90	21.671	3199	3205	3214	rVB	465814	768285	70.38%	6.157%
91	21.889	3238	3242	3248	rVB	44621	63230	5.79%	0.507%
92	22.506	3342	3347	3355	rBV2	35869	57375	5.26%	0.460%
93	23.205	3461	3466	3473	rVB2	34778	64006	5.86%	0.513%
94	24.021	3601	3605	3612	rVB3	21018	39274	3.60%	0.315%
95	24.104	3617	3619	3620	rBV2	4754	4743	0.43%	0.038%
96	24.674	3705	3716	3729	rVB	397215	1091668	100.00%	8.749%
97	24.897	3743	3754	3762	rBV2	255410	714902	65.49%	5.729%
98	24.985	3765	3769	3777	rVB3	17045	34730	3.18%	0.278%
99	27.488	4193	4195	4196	rBV2	5888	5407	0.50%	0.043%
100	29.168	4474	4481	4484	rBV7	11509	28954	2.65%	0.232%

Sum of corrected areas: 12478284

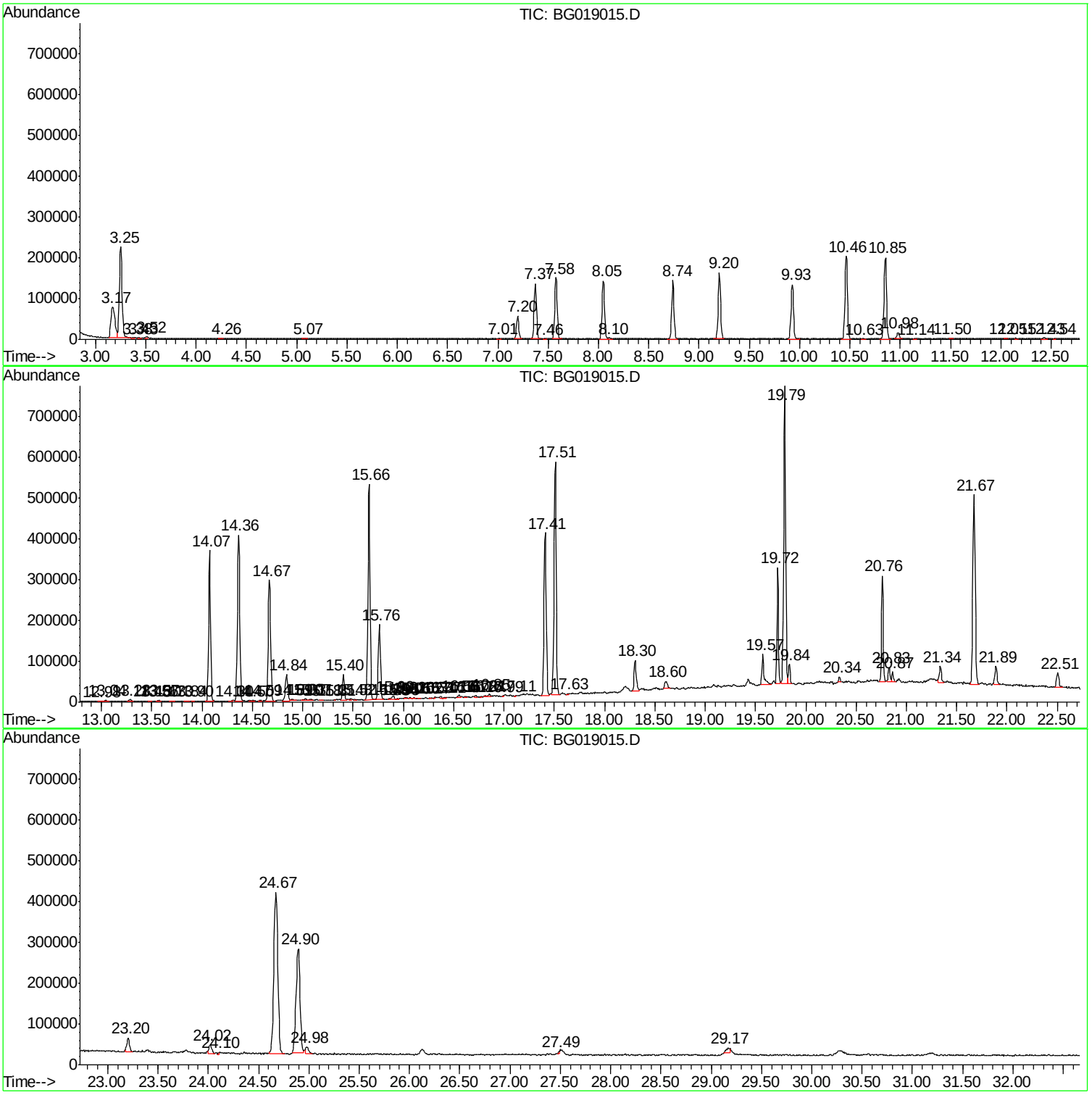
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

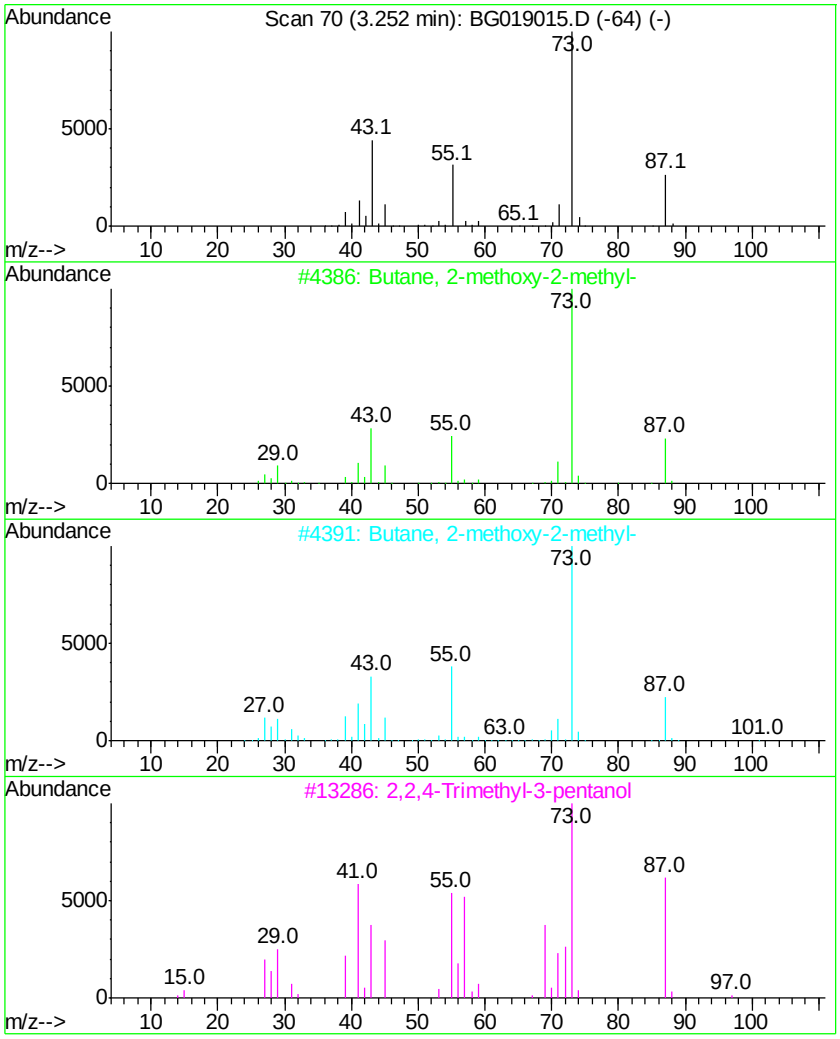
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

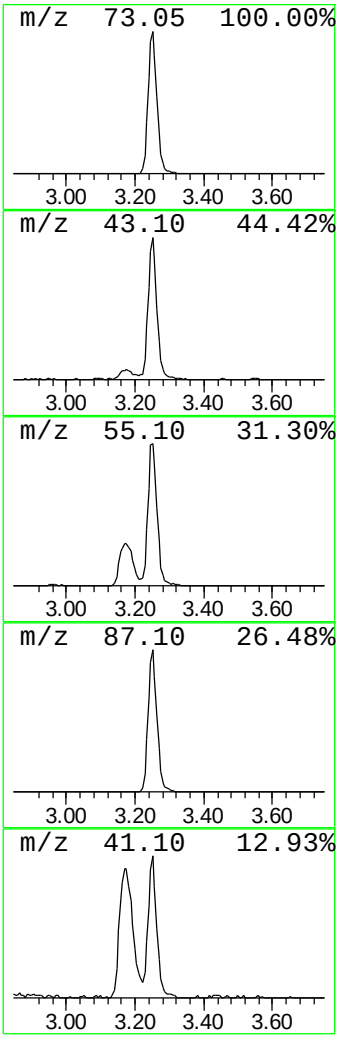
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	34.01 ng/ul	407087	1,4-Dichlorobenzene-d4	8.05

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	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

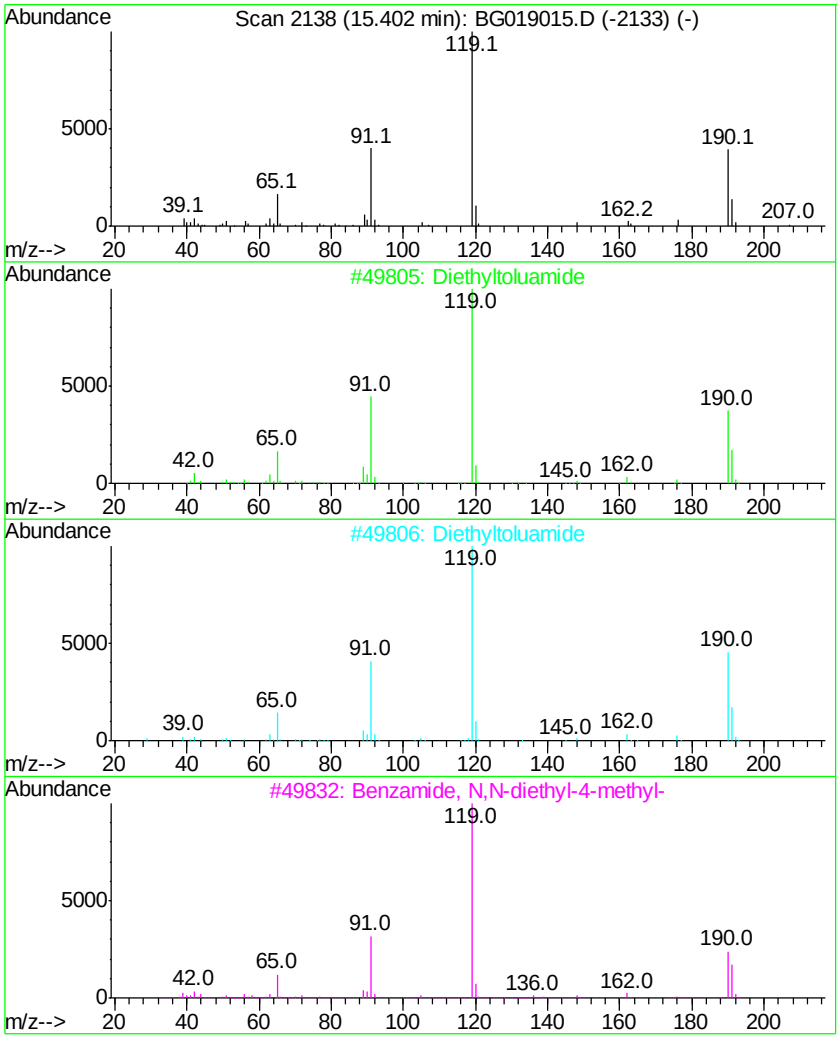
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

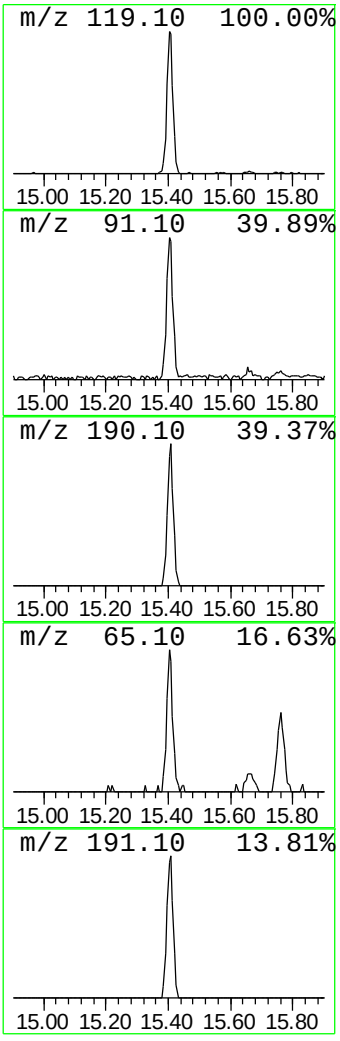
****

Peak Number 3 Diethyltoluamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	3.64 ng/ul	88400	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	94
2	Diethyltoluamide	191	C12H17NO	000134-62-3	94
3	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	81
4	N-[1-(Dimethylamino)-2,2,2-trich...	308	C12H15Cl3N2O	300814-41-9	53
5	Diethyltoluamide	191	C12H17NO	000134-62-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

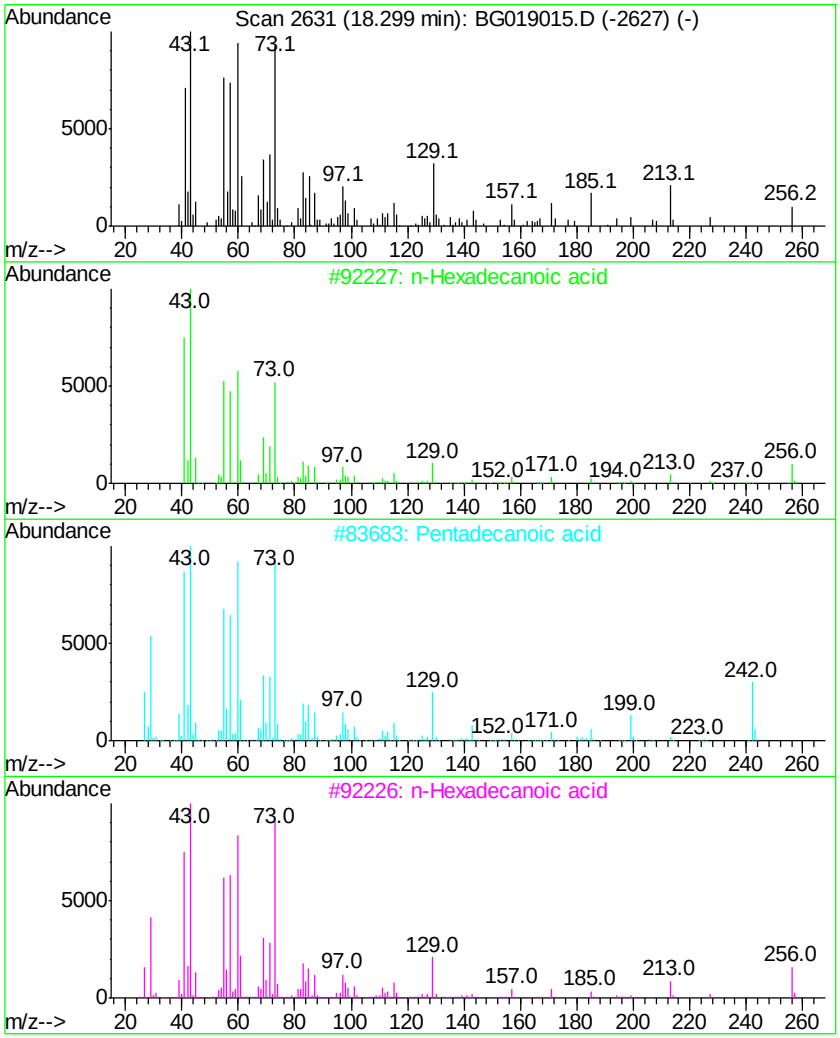
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

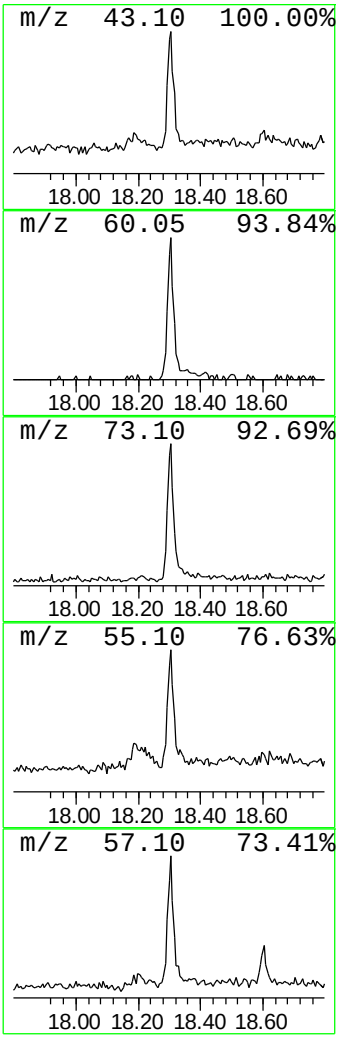
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.78 ng/ul	114810	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
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Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

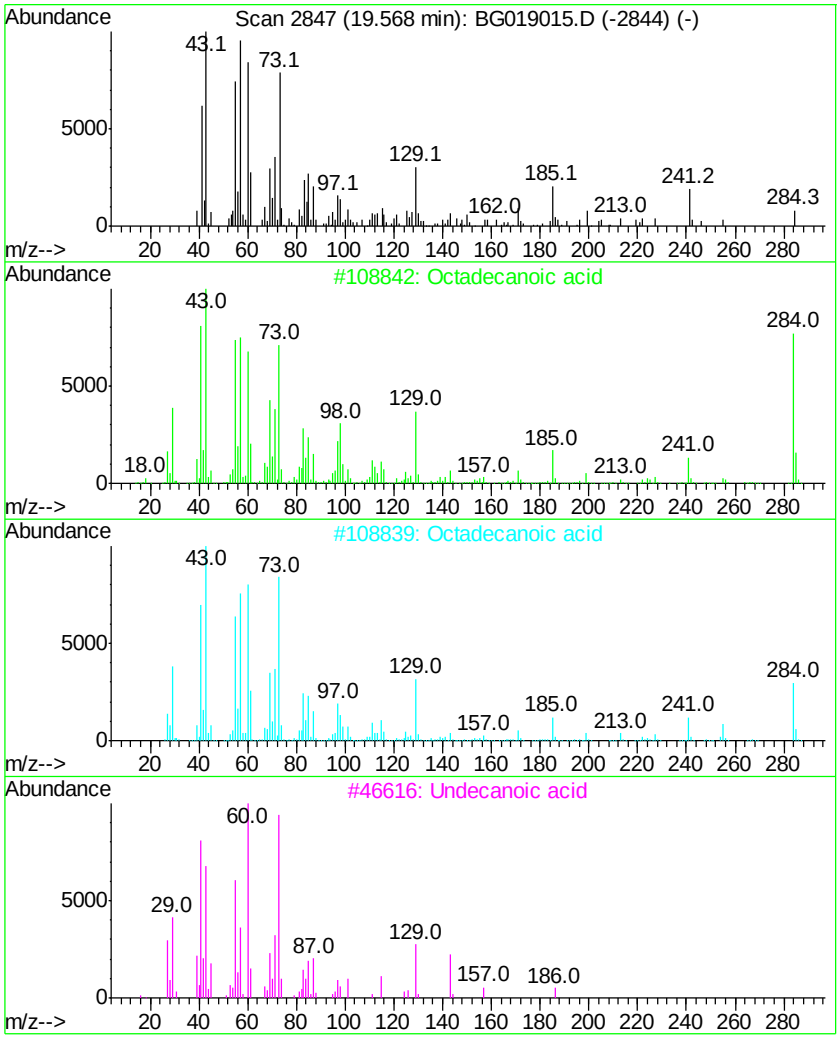
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

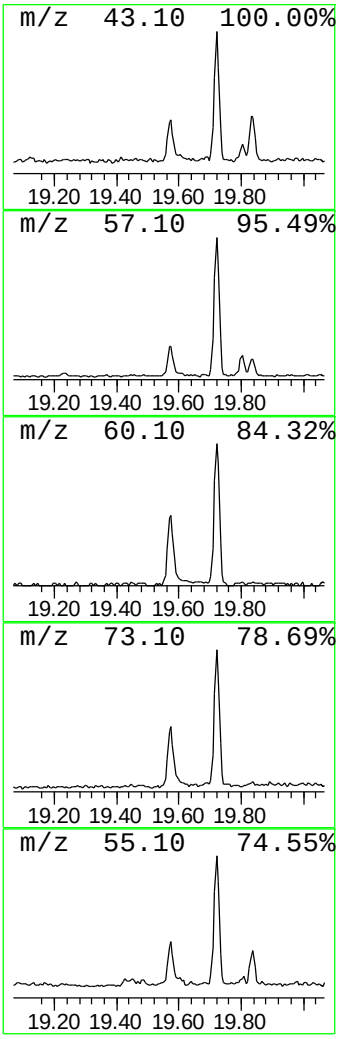
****

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	3.07 ng/ul	117860	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Undecanoic acid	186	C11H22O2	000112-37-8	86
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
5	Octadecanoic acid	284	C18H36O2	000057-11-4	72





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Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

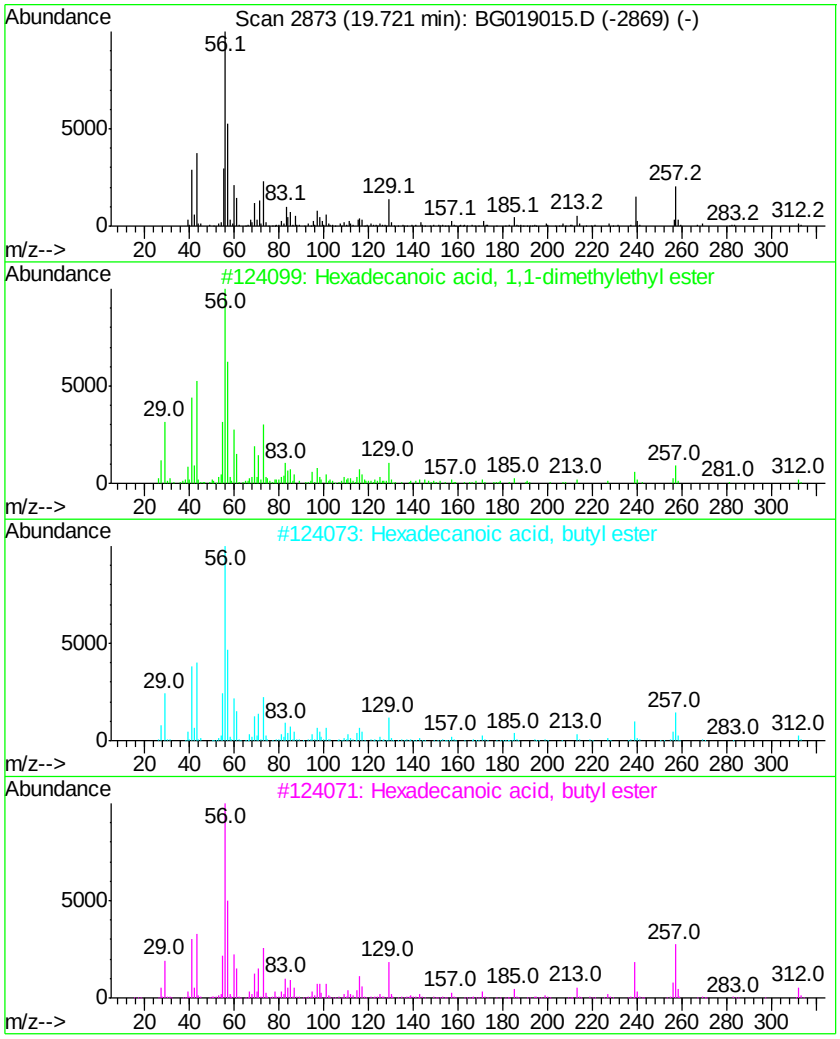
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

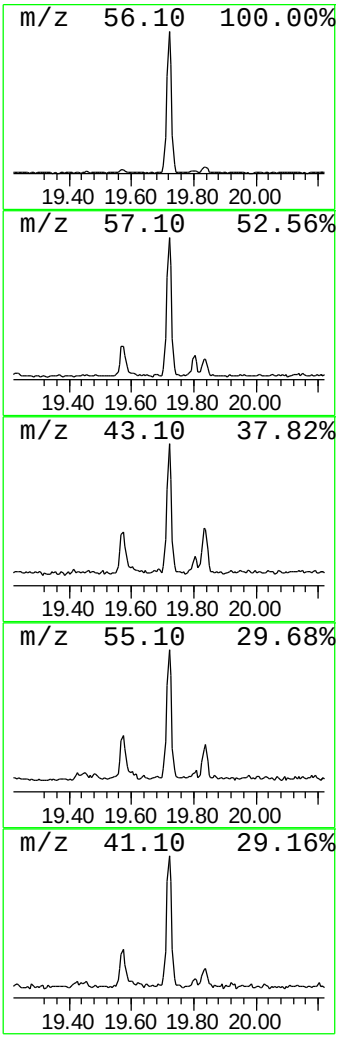
****

Peak Number 6 Hexadecanoic acid, 1,1-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	8.20 ng/ul	314966	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	93
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	86
3	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	83
4	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	50
5	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
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Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

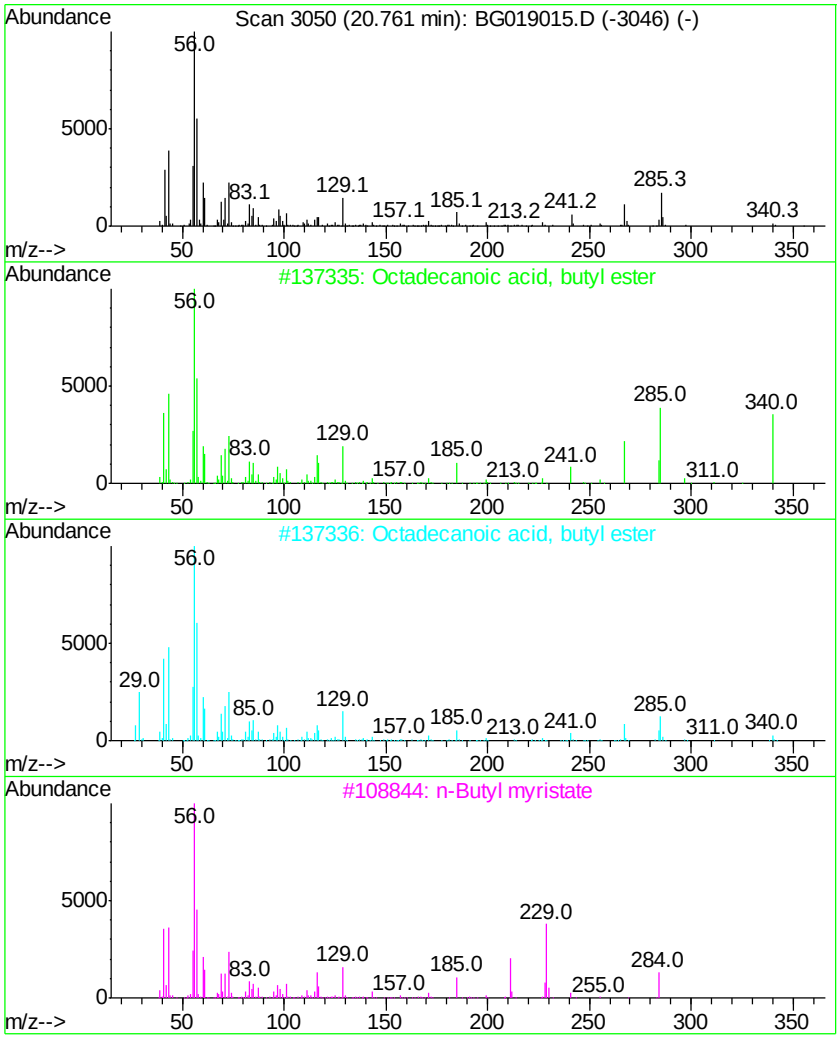
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

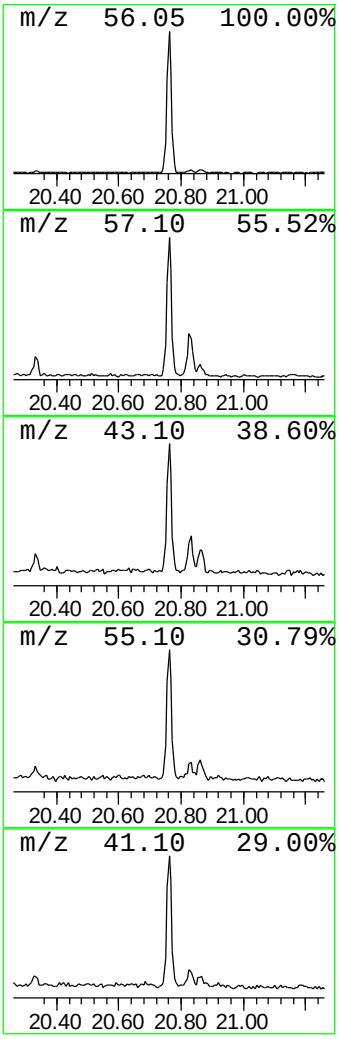
****

Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	7.40 ng/ul	284328	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	90
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	87
3	n-Butyl myristate	284	C18H36O2	000110-36-1	64
4	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	43
5	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100415\
Data File : BG019015.D
Acq On : 4 Oct 2015 21:34
Operator : UM/NP
Sample : G3852-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C03F6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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	34.0	ng/ul	407087	1	8.05	239428	20.0
Diethyltoluamide	15.40	3.6	ng/ul	88400	3	14.67	485179	20.0
n-Hexadecanoic acid	18.30	3.8	ng/ul	114810	4	17.41	607525	20.0
Octadecanoic acid	19.57	3.1	ng/ul	117860	5	21.67	768285	20.0
Hexadecanoic acid...	19.72	8.2	ng/ul	314966	5	21.67	768285	20.0
Octadecanoic acid...	20.76	7.4	ng/ul	284328	5	21.67	768285	20.0