LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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-BG080915.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	2.887	5	8	17	rVB	37162	49547	2.59%	0.248%
2	3.111	41	46	49	rBV	35151	54331	2.84%	0.272%
3	3.187	54	59	76	rVB	826761	1178259	61.67%	5.901%
4	3.446	100	103	106	rBV3	6217	8674	0.45%	0.043%
5	3.968	187	192	196	rVB4	7825	12047	0.63%	0.060%
6	4.010	196	199	202	rBV4	3155	4005	0.21%	0.020%
7	4.104	213	215	218	rVB3	3285	2863	0.15%	0.014%
8	4.156	221	224	227	rBV5	2497	3391	0.18%	0.017%
9	4.192	227	230	233	rBV5	2596	2549	0.13%	0.013%
10	4.562	291	293	296	rVB2	2694	2802	0.15%	0.014%
11	4.750	321	325	328	rVB3	2568	3651	0.19%	0.018%
12	4.809	331	335	338	rVB4	2214	2830	0.15%	0.014%
13	5.108	380	386	390	rBV3	3496	7236	0.38%	0.036%
14	5.649	476	478	480	rBV2	2819	2875	0.15%	0.014%
15	5.702	486	487	492	rBV2	2883	3402	0.18%	0.017%
16	6.025	538	542	545	rVB5	1837	2720	0.14%	0.014%
17	6.389	601	604	606	rBV2	2255	2968	0.16%	0.015%
18	6.595	635	639	640	rBV4	2288	2674	0.14%	0.013%
19	6.806	671	675	680	rVB4	2078	2578	0.13%	0.013%
20	7.165	731	736	747	rBV	142825	246822	12.92%	1.236%
21	7.335	758	765	771	rBV	121148	199051	10.42%	0.997%
22	7.541	793	800	808	rBV	148428	250096	13.09%	1.253%
23	8.011	870	880	889	rBV	257624	437959	22.92%	2.193%
24	8.146	898	903	904	rBV2	2210	2784	0.15%	0.014%
25	8.457	953	956	959	rVB3	1917	2478	0.13%	0.012%
26	8.710	993	999	1007	rBV2	172620	287420	15.04%	1.440%
27	9.027	1051	1053	1057	rBV2	3223	3039	0.16%	0.015%
28	9.168	1070	1077	1084	rVB	139074	246992	12.93%	1.237%
29	9.292	1093	1098	1101	rBV5	2954	5403	0.28%	0.027%
30	9.732	1170	1173	1175	rBV2	2305	2685	0.14%	0.013%
31	9.891	1193	1200	1208	rBV	114922	198573	10.39%	0.995%
32	10.431	1284	1292	1302	rBV	196715	359089	18.79%	1.798%
33	10.813	1346	1357	1364	rBV	412684	720269	37.70%	3.607%
34	10.943	1371	1379	1389	rBV	168208	306733	16.05%	1.536%

LSC Area Percent Report

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Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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-BG080915.M
Title : SVOA CALIBRATION

35	11.160	1414	1416	1419	rVB2	2670	2570	0.13%	0.013%
36	11.189	1419	1421	1423	rBV2	1833	2489	0.13%	0.012%
37	11.701	1502	1508	1519	rBV6	10924	29415	1.54%	0.147%
38	12.135	1578	1582	1586	rBV5	2094	2620	0.14%	0.013%
39	12.235	1597	1599	1604	rVB5	2158	2829	0.15%	0.014%
40	12.470	1631	1639	1642	rBV5	3061	6551	0.34%	0.033%
41	12.588	1654	1659	1660	rBV3	1906	2471	0.13%	0.012%
42	12.664	1670	1672	1675	rBV2	1846	2630	0.14%	0.013%
43	13.005	1726	1730	1733	rBV4	5068	6829	0.36%	0.034%
44	13.240	1765	1770	1778	rBV2	12151	19943	1.04%	0.100%
45	13.516	1814	1817	1819	rBV4	5761	6345	0.33%	0.032%
46	13.910	1878	1884	1886	rBV3	3235	5134	0.27%	0.026%
47	14.039	1899	1906	1910	rBV	364382	535897	28.05%	2.684%
48	14.086	1910	1914	1919	rVB	192244	267545	14.00%	1.340%
49	14.327	1945	1955	1963	rBV	440376	687449	35.98%	3.443%
50	14.533	1986	1990	1993	rBV3	6208	6363	0.33%	0.032%
51	14.638	1999	2008	2015	rBV2	699179	1115684	58.39%	5.588%
52	14.697	2015	2018	2026	rVB	19166	27687	1.45%	0.139%
53	14.820	2032	2039	2048	rBV	142818	235750	12.34%	1.181%
54	15.032	2071	2075	2081	rBV5	17208	28353	1.48%	0.142%
55	15.144	2092	2094	2100	rVB3	3006	4301	0.23%	0.022%
56	15.220	2103	2107	2110	rBV4	2246	2856	0.15%	0.014%
57	15.249	2110	2112	2116	rBV4	3377	3094	0.16%	0.015%
58	15.302	2119	2121	2124	rVB2	2677	2476	0.13%	0.012%
59	15.361	2127	2131	2137	rBV	10560	16541	0.87%	0.083%
60	15.431	2137	2143	2149	rBV3	9464	19047	1.00%	0.095%
61	15.478	2149	2151	2156	rVB4	12977	15268	0.80%	0.076%
62	15.543	2160	2162	2165	rVB2	2993	2546	0.13%	0.013%
63	15.625	2169	2176	2182	rVV	602638	863728	45.20%	4.326%
64	15.678	2182	2185	2190	rVB	18319	21983	1.15%	0.110%
65	15.737	2190	2195	2202	rBV	117485	168452	8.82%	0.844%
66	15.925	2226	2227	2230	rVB3	4814	3060	0.16%	0.015%
67	15.966	2233	2234	2236	rBV2	3482	3474	0.18%	0.017%
68	16.037	2243	2246	2248	rBV4	2941	3353	0.18%	0.017%
69	16.195	2270	2273	2274	rBV2	2859	2580	0.14%	0.013%
70	16.301	2289	2291	2292	rBV2	4515	2822	0.15%	0.014%
71	16.342	2293	2298	2306	rVB2	34554	59149	3.10%	0.296%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION

72	16.571	2335	2337	2342	rVB5	5102	7496	0.39%	0.038%
73	16.677	2353	2355	2359	rVB5	10171	12018	0.63%	0.060%
74	17.129	2429	2432	2436	rBV2	27648	35459	1.86%	0.178%
75	17.376	2468	2474	2479	rBV2	915655	1449577	75.87%	7.260%
76	17.417	2479	2481	2486	rVV	210399	274855	14.38%	1.377%
77	17.476	2486	2491	2503	rVB	638895	1036442	54.24%	5.191%
78	17.776	2539	2542	2546	rVB	27901	37302	1.95%	0.187%
79	17.876	2555	2559	2564	rVB4	16339	20173	1.06%	0.101%
80	17.946	2569	2571	2572	rBV2	5801	3356	0.18%	0.017%
81	18.011	2580	2582	2584	rVB3	5374	3748	0.20%	0.019%
82	18.040	2584	2587	2590	rBV3	7166	8262	0.43%	0.041%
83	18.187	2610	2612	2614	rBV2	5049	4238	0.22%	0.021%
84	18.263	2620	2625	2629	rBV4	138902	204037	10.68%	1.022%
85	18.451	2652	2657	2662	rBV2	40252	63370	3.32%	0.317%
86	18.686	2695	2697	2701	rVB5	8184	9074	0.47%	0.045%
87	18.745	2703	2707	2711	rVV	21741	32702	1.71%	0.164%
88	18.780	2711	2713	2720	rVB6	21061	29965	1.57%	0.150%
89	19.427	2817	2823	2828	rBV	451173	641019	33.55%	3.210%
90	19.533	2837	2841	2844	rBV3	60495	79192	4.14%	0.397%
91	19.685	2862	2867	2872	rVB	542566	632091	33.08%	3.166%
92	19.762	2874	2880	2883	rBV	755011	1221169	63.91%	6.116%
93	20.279	2966	2968	2973	rVB2	71026	81587	4.27%	0.409%
94	20.379	2982	2985	2989	rVB2	51260	60226	3.15%	0.302%
95	20.725	3039	3044	3049	rVB	452746	542178	28.38%	2.715%
96	21.636	3191	3199	3204	rBV2	1046172	1910718	100.00%	9.570%
97	21.683	3204	3207	3215	rVB	152476	233438	12.22%	1.169%
98	23.816	3565	3570	3577	rBV2	107891	286137	14.98%	1.433%
99	24.609	3699	3705	3712	rBV	285955	666268	34.87%	3.337%
100	24.832	3733	3743	3752	rBV	569841	1572272	82.29%	7.875%

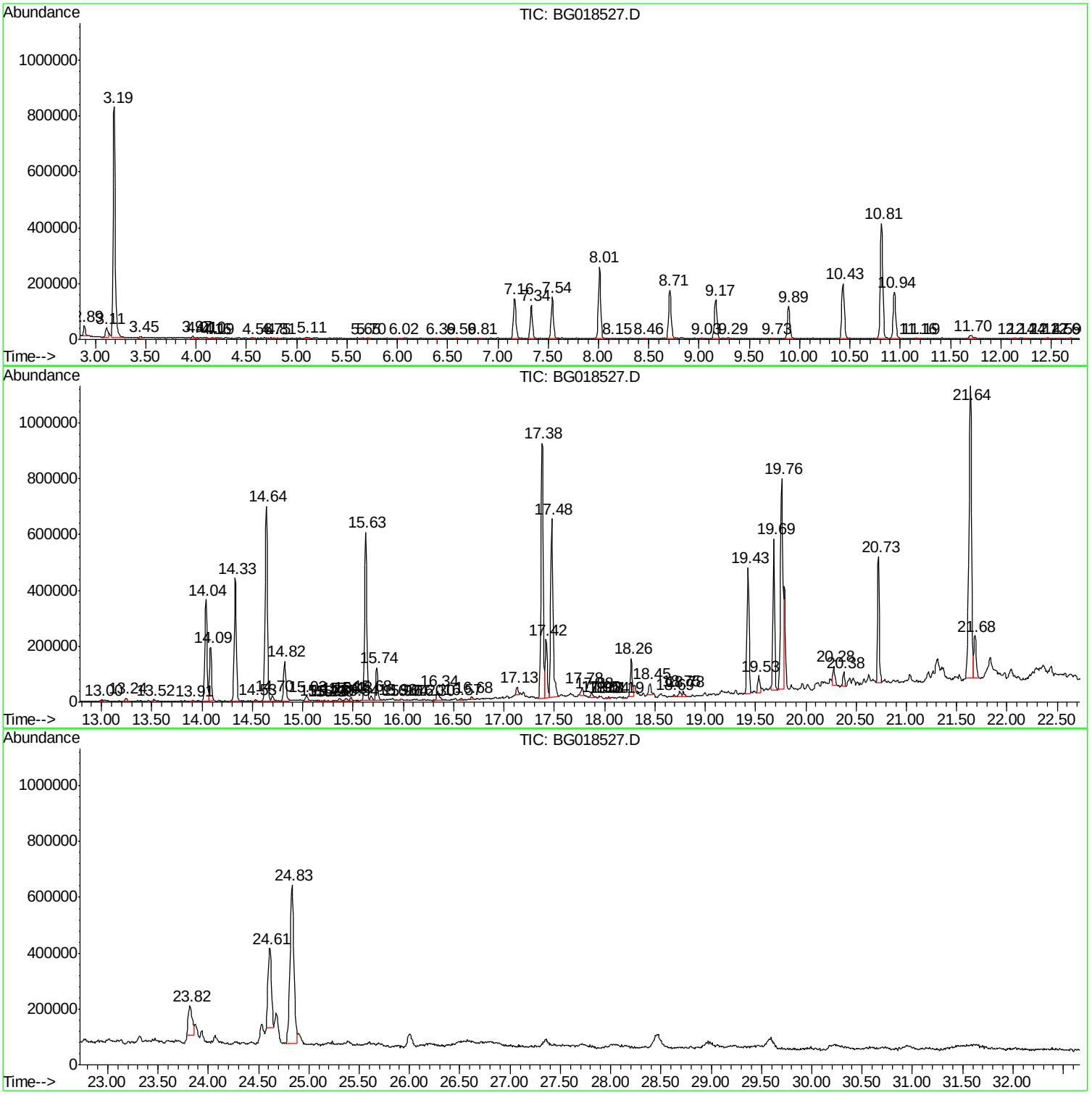
Sum of corrected areas: 19966448

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

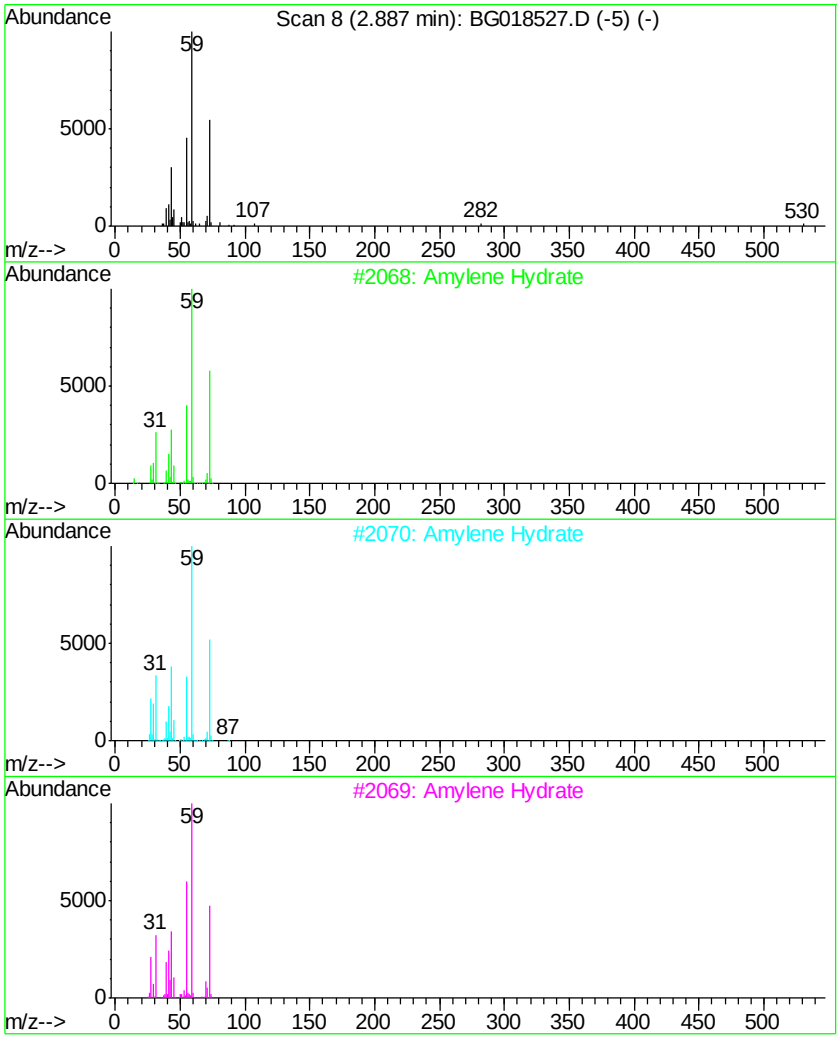
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

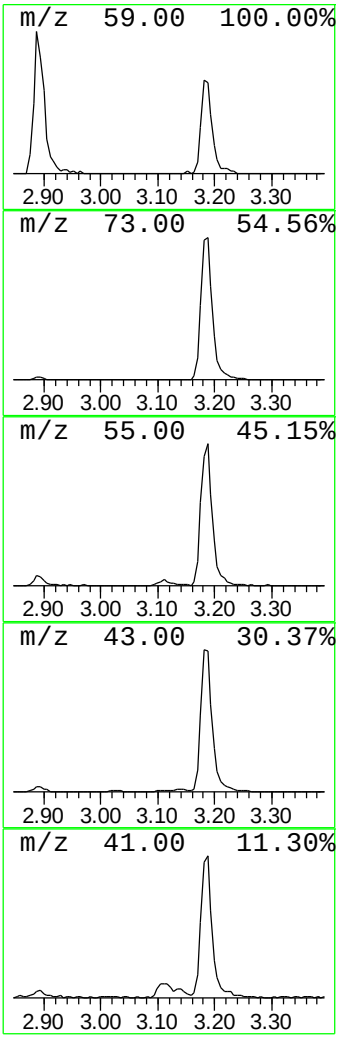
****

Peak Number 1 Amylene Hydrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	2.26 ng/ul	49547	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	72
2	Amylene Hydrate	88	C5H12O	000075-85-4	64
3	Amylene Hydrate	88	C5H12O	000075-85-4	50
4	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	42
5	Hydrazine, 1-butyl-1-methyl-	102	C5H14N2	020240-62-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

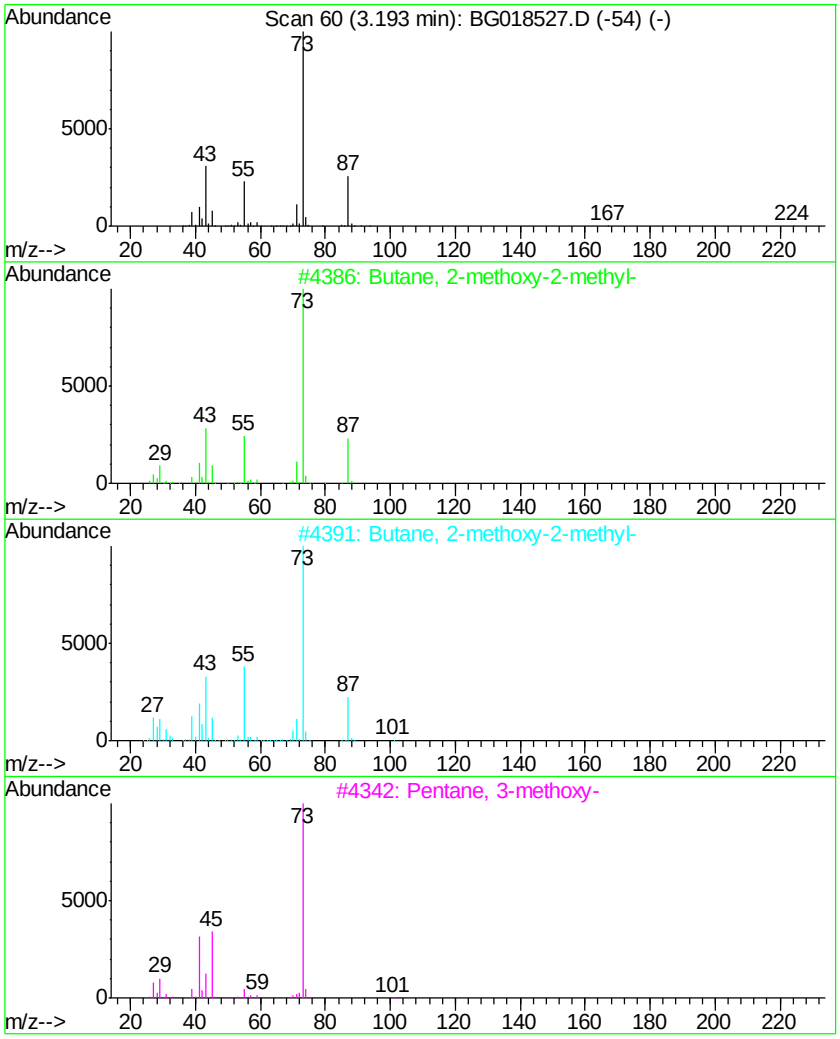
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

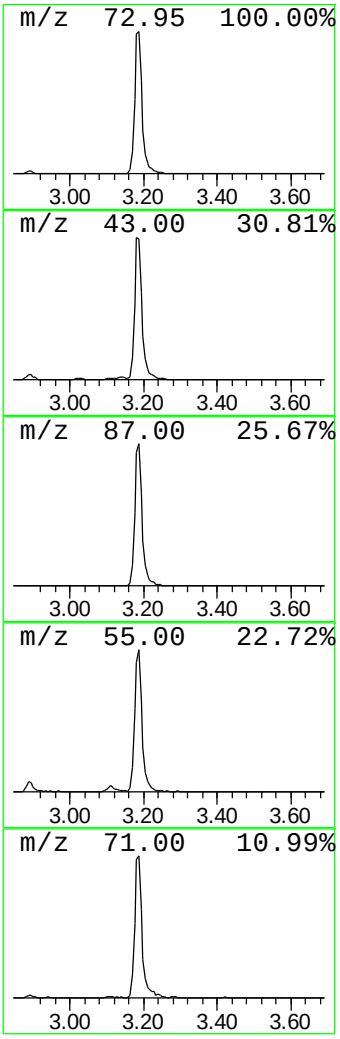
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	53.81 ng/ul	1178260	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
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Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
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Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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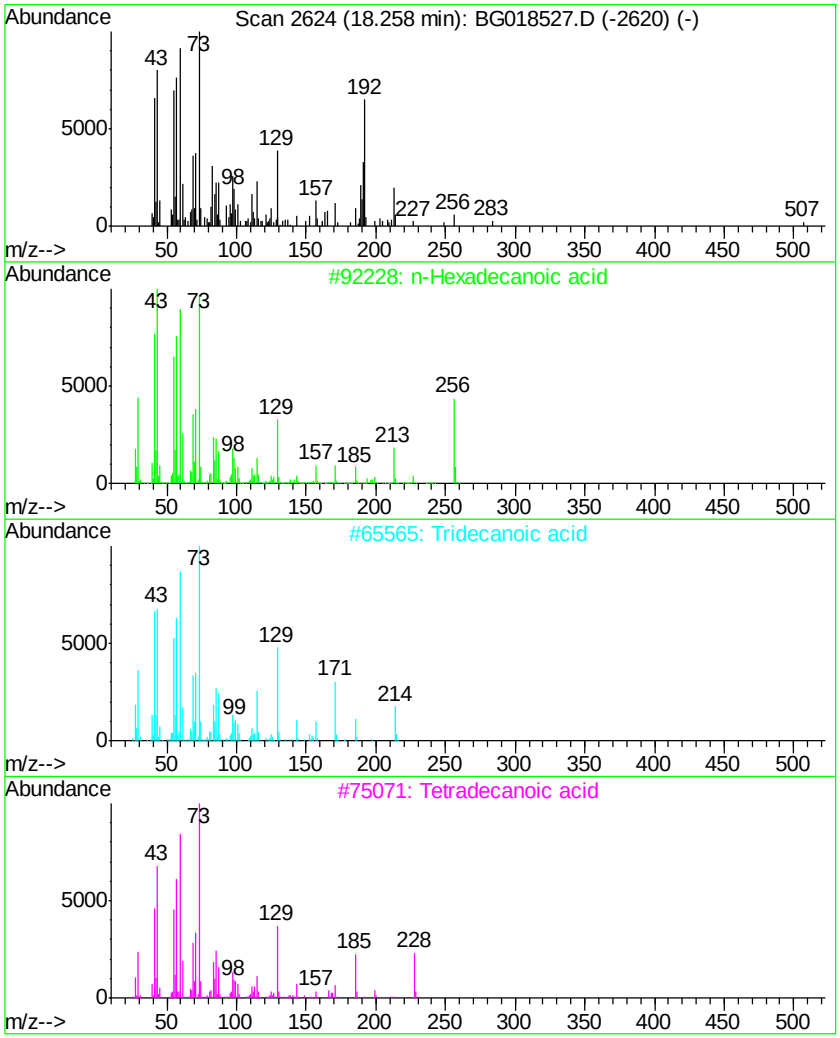
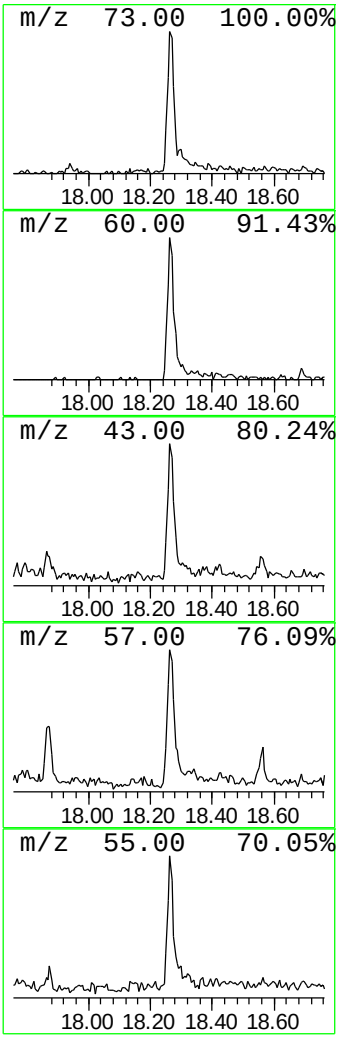
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.82 ng/ul	204037	Phenanthrene-d10	17.38

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	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

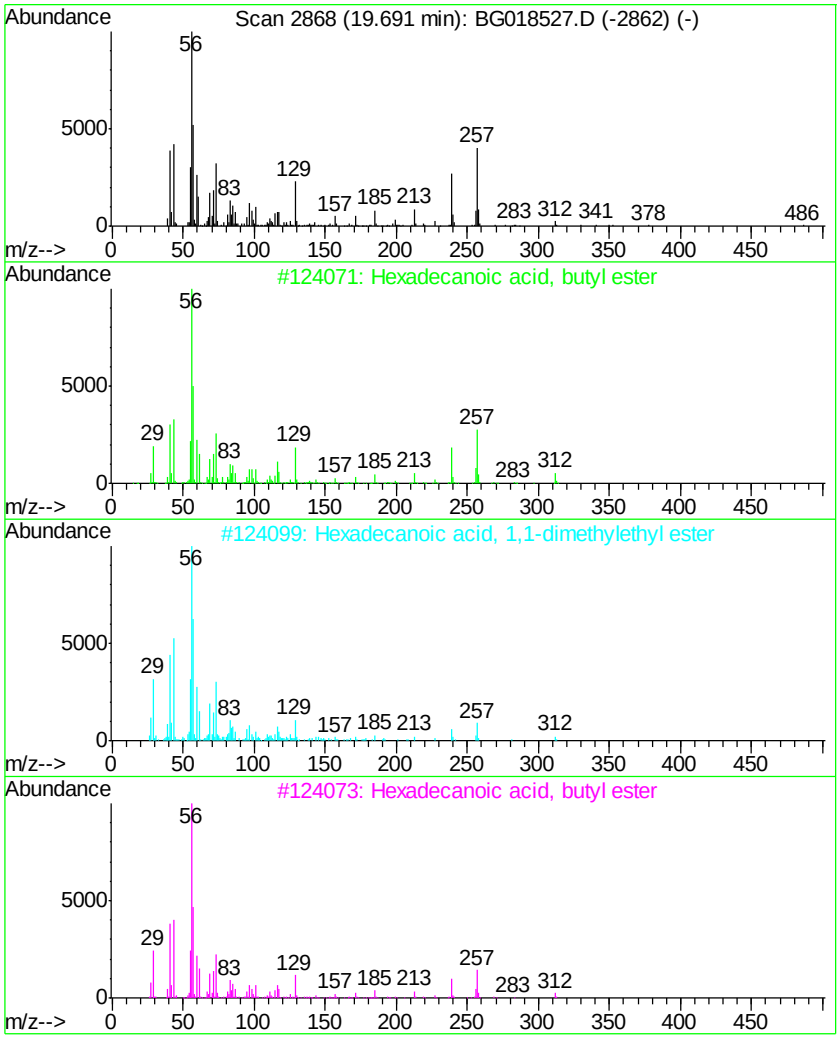
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

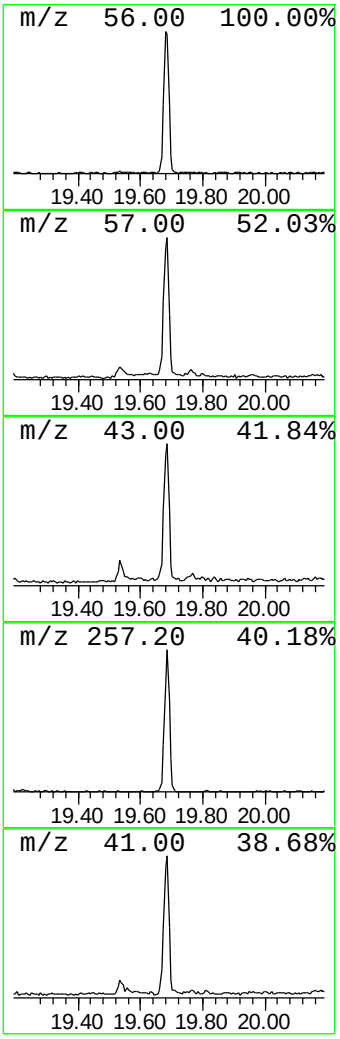
****

Peak Number 5 Hexadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	6.62 ng/ul	632091	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	90
3	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	45
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	35
5	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

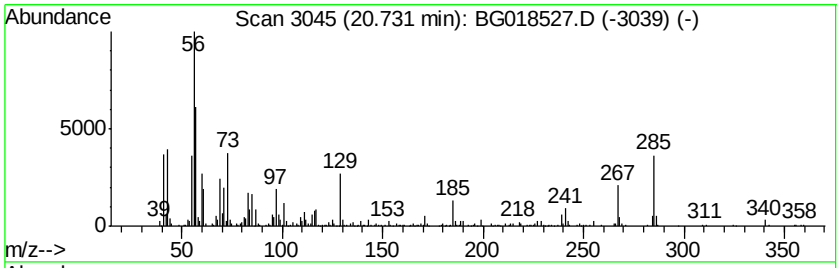
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

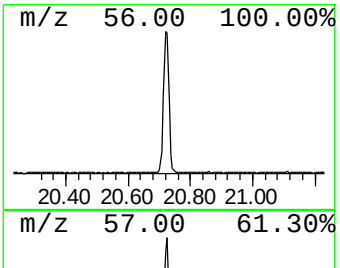
****

Peak Number 6 Octadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	5.68 ng/ul	542178	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	93
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	72
4	n-Butyl myristate	284	C18H36O2	000110-36-1	62
5	Nipecotic acid	129	C6H11NO2	000498-95-3	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018527.D
Acq On : 29 Aug 2015 00:09
Operator : UM/MA
Sample : G3448-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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
Amylene Hydrate	2.89	2.3	ng/ul	49547	1	8.01	437959	20.0
Butane, 2-methoxy...	3.19	53.8	ng/ul	1178260	1	8.01	437959	20.0
n-Hexadecanoic acid	18.26	2.8	ng/ul	204037	4	17.38	1449580	20.0
Hexadecanoic acid...	19.69	6.6	ng/ul	632091	5	21.64	1910720	20.0
Octadecanoic acid...	20.73	5.7	ng/ul	542178	5	21.64	1910720	20.0