LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018530.D
Acq On : 29 Aug 2015 2:03
Operator : UM/MA
Sample : G3448-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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	2.892	6	9	12	rVB	18414	18716	1.11%	0.087%
2	3.109	41	46	54	rBV	52358	95523	5.69%	0.443%
3	3.185	54	59	71	rVB	489840	667847	39.77%	3.096%
4	3.444	100	103	107	rVB2	5789	7961	0.47%	0.037%
5	3.714	147	149	150	rBV2	2879	2795	0.17%	0.013%
6	4.014	196	200	205	rVB5	4401	8011	0.48%	0.037%
7	4.108	211	216	218	rVB3	2658	5070	0.30%	0.024%
8	4.137	218	221	224	rBV4	1721	2823	0.17%	0.013%
9	4.202	230	232	235	rVB3	3294	2897	0.17%	0.013%
10	4.349	254	257	258	rBV3	1985	2249	0.13%	0.010%
11	4.560	289	293	294	rBV3	3651	4194	0.25%	0.019%
12	5.007	367	369	372	rBV2	2504	2368	0.14%	0.011%
13	5.101	381	385	387	rBV3	3608	3884	0.23%	0.018%
14	6.082	550	552	554	rBV3	2220	2500	0.15%	0.012%
15	6.235	577	578	581	rVB3	2942	2622	0.16%	0.012%
16	6.317	590	592	597	rVB3	1990	2358	0.14%	0.011%
17	6.993	701	707	708	rBV3	4100	6098	0.36%	0.028%
18	7.169	729	737	747	rBV2	243446	418698	24.93%	1.941%
19	7.333	756	765	773	rBV	207674	330795	19.70%	1.534%
20	7.545	793	801	809	rBV	242243	410865	24.47%	1.905%
21	7.892	856	860	862	rVB4	2383	2563	0.15%	0.012%
22	8.009	873	880	889	rBV	282037	467145	27.82%	2.166%
23	8.303	925	930	933	rVB3	1857	2920	0.17%	0.014%
24	8.708	987	999	1006	rBV	324242	569010	33.88%	2.638%
25	9.167	1069	1077	1085	rBV	236599	411829	24.52%	1.909%
26	9.272	1092	1095	1099	rBV4	3721	6451	0.38%	0.030%
27	9.601	1149	1151	1153	rBV3	2191	2406	0.14%	0.011%
28	9.889	1191	1200	1209	rBV2	183528	323801	19.28%	1.501%
29	9.983	1214	1216	1220	rVB2	1780	2751	0.16%	0.013%
30	10.430	1284	1292	1304	rVB	338997	623177	37.11%	2.889%
31	10.671	1329	1333	1335	rBV4	2745	3943	0.23%	0.018%
32	10.812	1350	1357	1366	rBV	426898	771113	45.92%	3.575%
33	10.941	1370	1379	1388	rBV	311923	569861	33.93%	2.642%
34	11.076	1401	1402	1405	rBV2	2509	2455	0.15%	0.011%

LSC Area Percent Report

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Acq On : 29 Aug 2015 2:03
Operator : UM/MA
Sample : G3448-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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	11.229	1427	1428	1431	rVB3	2790	2342	0.14%	0.011%
36	11.693	1503	1507	1511	rBV5	17049	32030	1.91%	0.149%
37	12.004	1557	1560	1563	rBV2	1621	2248	0.13%	0.010%
38	12.428	1629	1632	1635	rBV3	1935	2426	0.14%	0.011%
39	12.522	1645	1648	1652	rBV2	2230	2766	0.16%	0.013%
40	12.997	1724	1729	1735	rBV6	8017	16558	0.99%	0.077%
41	13.115	1746	1749	1753	rVB3	2483	3004	0.18%	0.014%
42	13.238	1764	1770	1779	rBV3	17839	30971	1.84%	0.144%
43	13.526	1813	1819	1826	rBV4	6434	13632	0.81%	0.063%
44	13.679	1838	1845	1846	rBV3	2755	4118	0.25%	0.019%
45	13.879	1876	1879	1882	rVB4	1656	2370	0.14%	0.011%
46	14.037	1900	1906	1910	rBV	620583	891476	53.09%	4.133%
47	14.084	1910	1914	1921	rVV	261742	366235	21.81%	1.698%
48	14.161	1924	1927	1933	rBV5	2904	5463	0.33%	0.025%
49	14.331	1949	1956	1963	rVB	709387	1052997	62.70%	4.882%
50	14.531	1986	1990	1993	rVB3	4600	5099	0.30%	0.024%
51	14.637	2002	2008	2016	rBV2	743336	1187202	70.70%	5.504%
52	14.701	2017	2019	2022	rVB2	5689	5286	0.31%	0.025%
53	14.825	2033	2040	2050	rBV	261884	418390	24.91%	1.940%
54	15.036	2073	2076	2082	rBV5	7791	11270	0.67%	0.052%
55	15.142	2093	2094	2100	rVB6	3294	4322	0.26%	0.020%
56	15.212	2104	2106	2110	rBV4	2828	3882	0.23%	0.018%
57	15.336	2123	2127	2130	rVB3	2682	3630	0.22%	0.017%
58	15.359	2130	2131	2133	rBV2	3107	2298	0.14%	0.011%
59	15.436	2138	2144	2148	rBV3	13096	24335	1.45%	0.113%
60	15.483	2148	2152	2155	rVB	16627	19575	1.17%	0.091%
61	15.541	2158	2162	2167	rVB5	2738	4037	0.24%	0.019%
62	15.624	2170	2176	2183	rBV	812635	1233895	73.48%	5.721%
63	15.735	2189	2195	2202	rBV	138235	206329	12.29%	0.957%
64	15.871	2214	2218	2219	rBV4	7004	8021	0.48%	0.037%
65	16.029	2243	2245	2246	rBV2	2839	2398	0.14%	0.011%
66	16.341	2295	2298	2301	rBV	28488	37665	2.24%	0.175%
67	16.517	2323	2328	2333	rBV5	8134	12735	0.76%	0.059%
68	16.581	2336	2339	2342	rVB3	4046	5588	0.33%	0.026%
69	16.722	2359	2363	2365	rBV4	2589	3236	0.19%	0.015%
70	16.769	2368	2371	2373	rBV3	5785	6878	0.41%	0.032%
71	16.893	2391	2392	2394	rBV2	5480	4025	0.24%	0.019%

LSC Area Percent Report

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Operator : UM/MA
Sample : G3448-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC6

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

72	16.916	2394	2396	2399	rVV4	4798	6449	0.38%	0.030%
73	16.952	2400	2402	2403	rVV2	6125	3552	0.21%	0.016%
74	16.987	2406	2408	2411	rBV4	3902	3514	0.21%	0.016%
75	17.022	2411	2414	2417	rBV5	3094	4837	0.29%	0.022%
76	17.134	2429	2433	2436	rBV	37570	47190	2.81%	0.219%
77	17.263	2453	2455	2458	rBV4	3119	4101	0.24%	0.019%
78	17.381	2468	2475	2480	rBV2	980415	1516255	90.29%	7.030%
79	17.422	2480	2482	2486	rVV	38625	45421	2.70%	0.211%
80	17.475	2486	2491	2501	rVB2	861995	1325109	78.91%	6.144%
81	17.586	2508	2510	2511	rBV2	4503	3077	0.18%	0.014%
82	17.663	2519	2523	2528	rBV5	8079	12870	0.77%	0.060%
83	17.768	2537	2541	2551	rVV9	15042	41676	2.48%	0.193%
84	17.874	2555	2559	2563	rVB	26764	31971	1.90%	0.148%
85	17.939	2568	2570	2572	rBV3	4546	5227	0.31%	0.024%
86	18.080	2592	2594	2598	rVB5	3754	3569	0.21%	0.017%
87	18.144	2601	2605	2606	rBV3	6045	6088	0.36%	0.028%
88	18.268	2621	2626	2636	rBV	284569	436233	25.98%	2.023%
89	18.561	2672	2676	2682	rBV7	14888	27743	1.65%	0.129%
90	18.691	2694	2698	2701	rBV3	29978	33290	1.98%	0.154%
91	19.155	2769	2777	2782	rBV8	27732	85543	5.09%	0.397%
92	19.425	2819	2823	2829	rVB	63215	90718	5.40%	0.421%
93	19.537	2838	2842	2848	rBV2	72309	114699	6.83%	0.532%
94	19.684	2863	2867	2870	rVB2	66719	76108	4.53%	0.353%
95	19.760	2874	2880	2891	rVB	964043	1425969	84.91%	6.611%
96	20.724	3041	3044	3048	rVB2	48055	57123	3.40%	0.265%
97	21.294	3137	3141	3158	rBV4	112688	340861	20.30%	1.580%
98	21.634	3193	3199	3206	rBV	1014993	1666965	99.27%	7.729%
99	24.613	3697	3706	3715	rBV	413829	1076824	64.12%	4.993%
100	24.836	3734	3744	3759	rVB2	596283	1679290	100.00%	7.786%

Sum of corrected areas: 21568703

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Misc :
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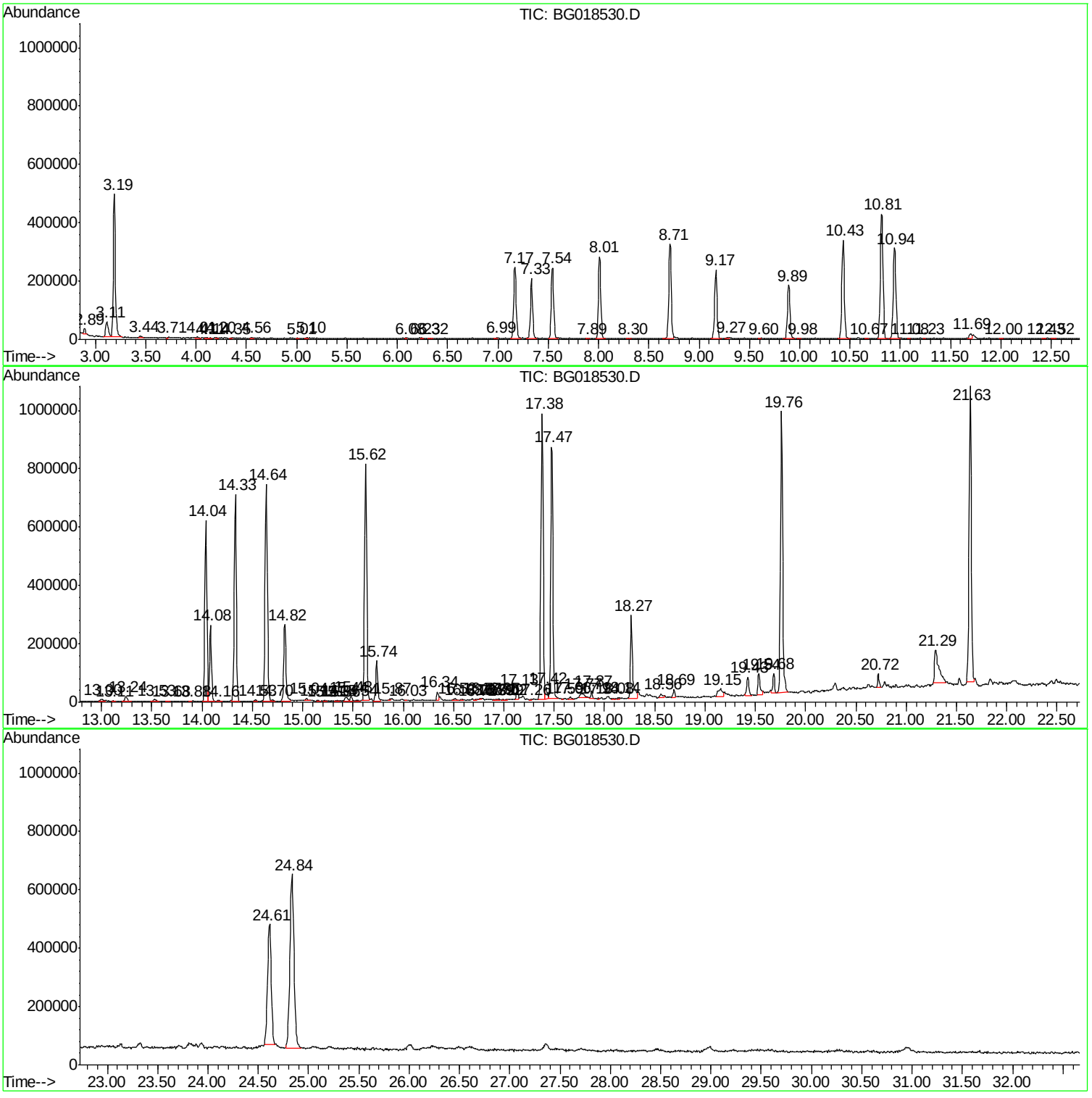
Instrument :
BNA_G
ClientSampleId :
C0AC6

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\
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Quant Title : SVOA CALIBRATION

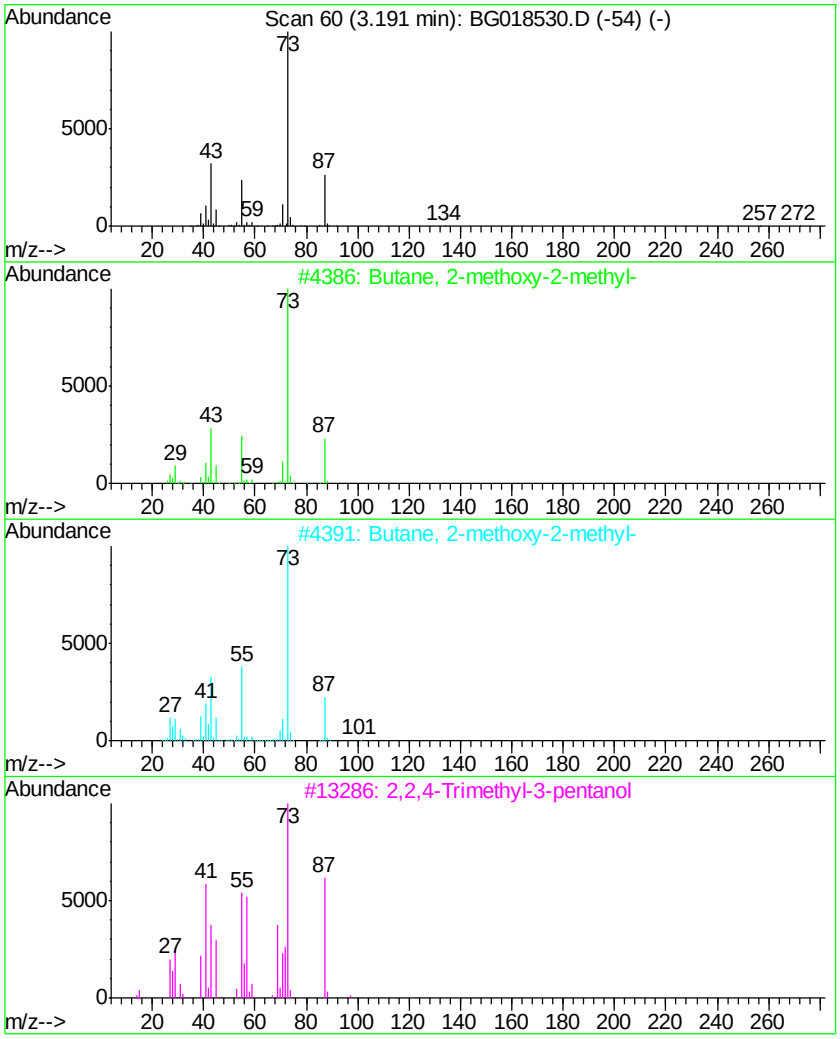
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

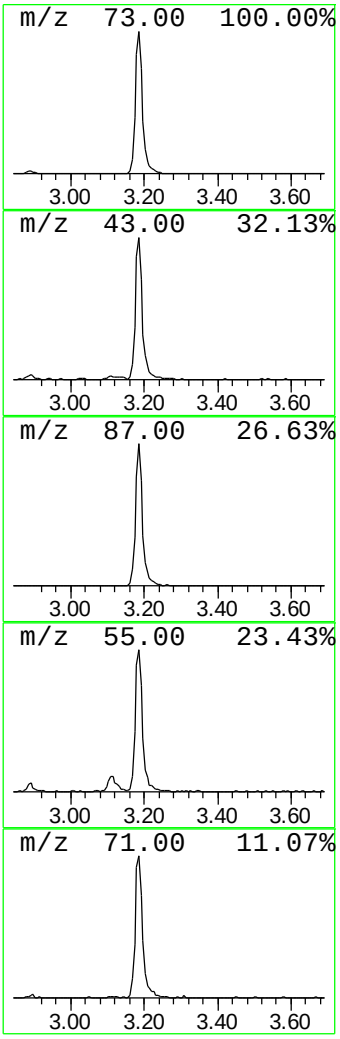
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	28.59 ng/ul	667847	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





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Instrument : BNA_G
ClientSampleId : C0AC6

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

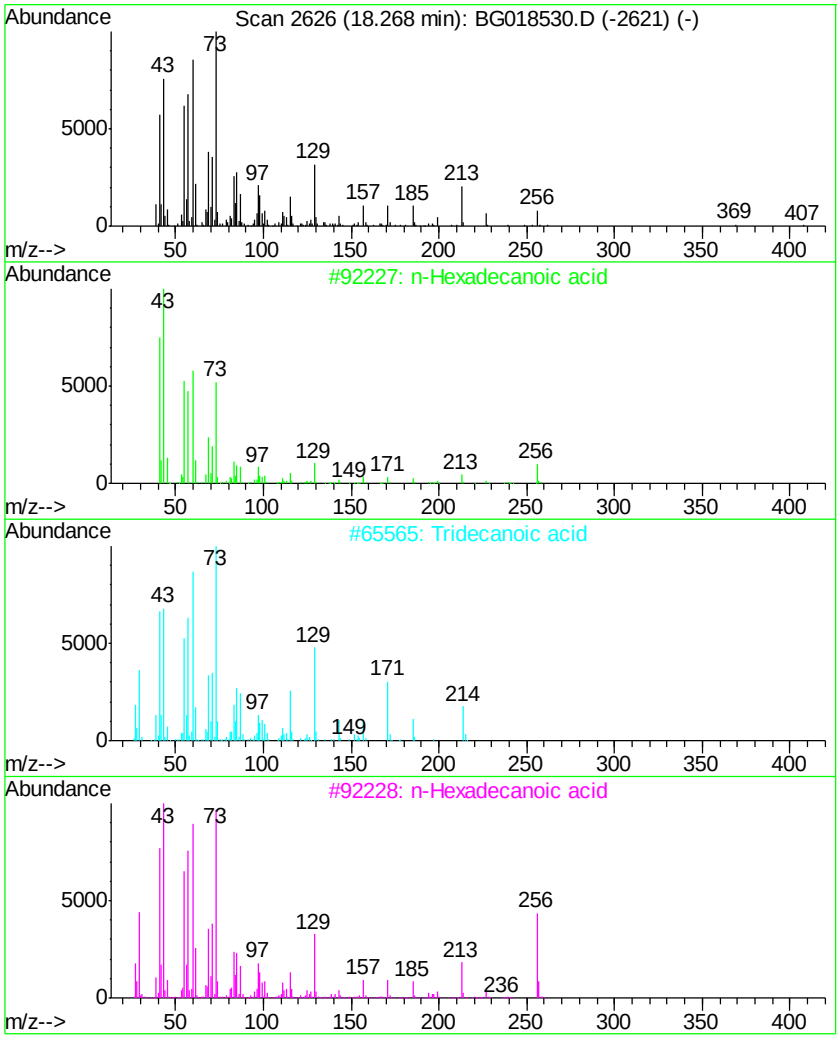
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

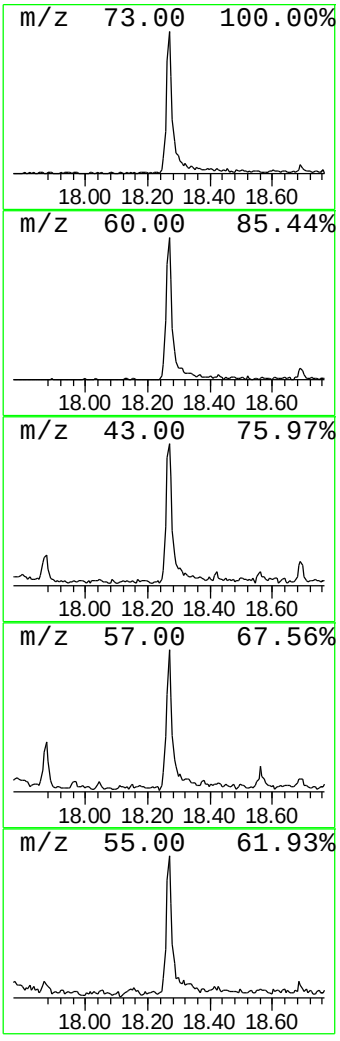
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	5.75 ng/ul	436233	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81





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Instrument : BNA_G
ClientSampleId : C0AC6

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

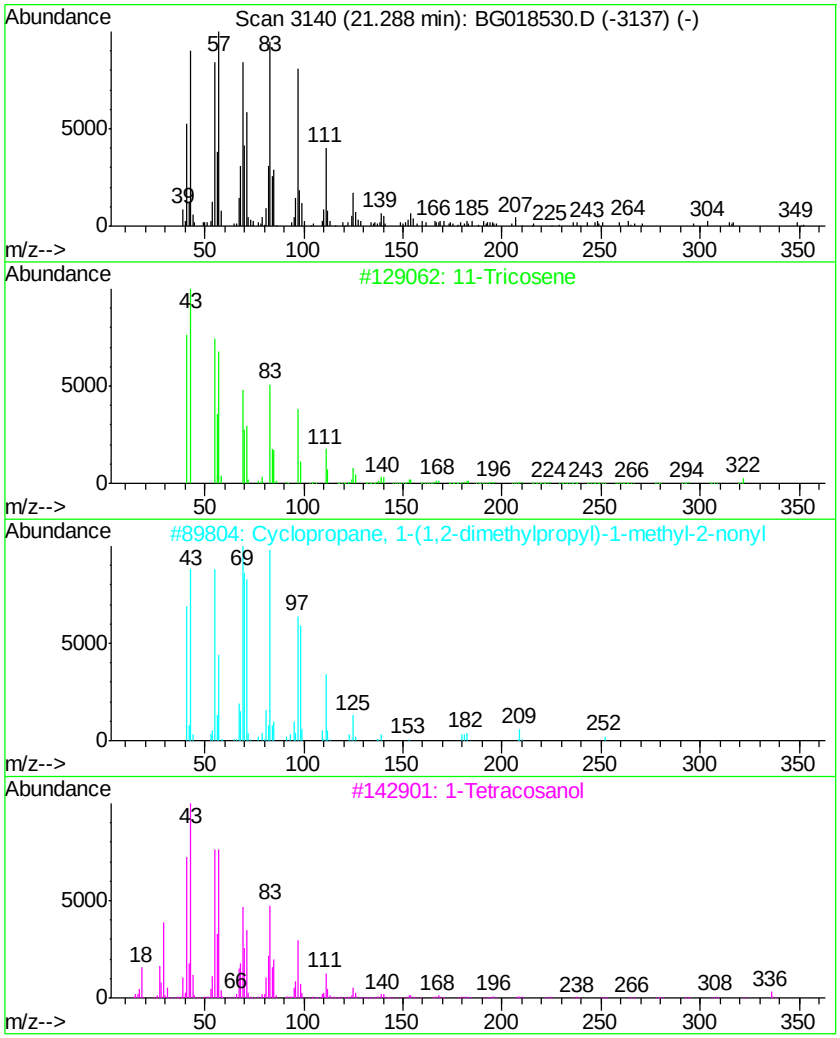
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

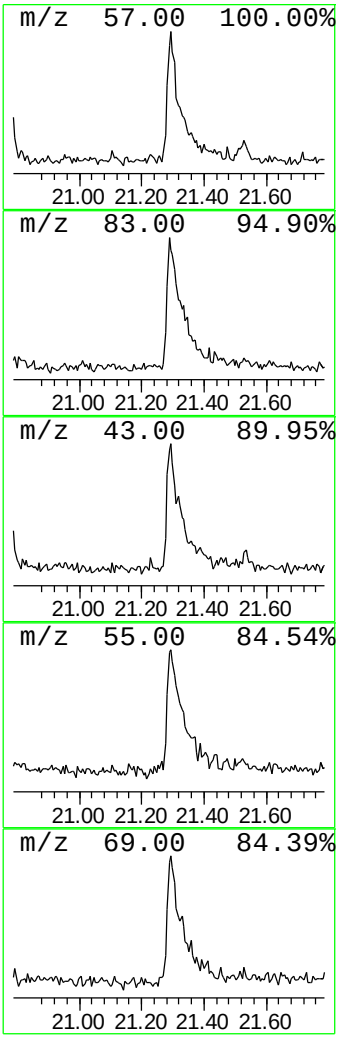
****

Peak Number 4 (DEL) Alkane: Cyclic21.29 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	4.09 ng/ul	340861	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Tricosene	322	C23H46	052078-56-5	91
2	Cyclopropane, 1-(1,2-dimethylpro...	252	C18H36	041977-42-8	87
3	1-Tetracosanol	354	C24H50O	000506-51-4	87
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	86
5	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018530.D
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Instrument : BNA_G
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.19	28.6	ng/ul	667847	1	8.01	467145	20.0
n-Hexadecanoic acid	18.27	5.8	ng/ul	436233	4	17.38	1516260	20.0
(DEL) Alkane: Cyc...	21.29	4.1	ng/ul	340861	5	21.64	1666970	20.0