LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

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-BG020816.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	2.958	14	20	36	rVB	113236	253362	44.18%	3.743%
2	3.252	65	70	80	rVV	83444	163221	28.46%	2.411%
3	3.328	80	83	91	rVV	10414	16285	2.84%	0.241%
4	3.604	127	130	134	rVB	3204	3902	0.68%	0.058%
5	3.892	174	179	181	rBV2	1229	1822	0.32%	0.027%
6	4.386	258	263	268	rVV	4346	6557	1.14%	0.097%
7	6.407	602	607	611	rBB2	845	1519	0.26%	0.022%
8	7.205	739	743	746	rBV2	1232	1903	0.33%	0.028%
9	7.405	768	777	786	rBB	68012	113307	19.76%	1.674%
10	7.581	800	807	815	rBV	62736	101064	17.62%	1.493%
11	7.793	836	843	852	rBV	68019	115317	20.11%	1.704%
12	8.275	918	925	931	rBB	55233	92252	16.09%	1.363%
13	8.962	1034	1042	1050	rBB	100310	164330	28.66%	2.428%
14	9.438	1117	1123	1132	rVB	62923	111692	19.48%	1.650%
15	9.526	1132	1138	1146	rBV2	8166	13413	2.34%	0.198%
16	10.166	1240	1247	1254	rBV	49506	83756	14.60%	1.237%
17	10.707	1331	1339	1346	rVB	90544	153976	26.85%	2.275%
18	11.100	1398	1406	1414	rBV	90154	162042	28.26%	2.394%
19	11.224	1418	1427	1437	rBV	98549	177124	30.89%	2.617%
20	12.663	1668	1672	1675	rBV	1509	1998	0.35%	0.030%
21	13.697	1845	1848	1851	rBV2	2737	3503	0.61%	0.052%
22	14.278	1941	1947	1951	rVV	202839	287143	50.07%	4.242%
23	14.325	1951	1955	1962	rVB	108801	151431	26.41%	2.237%
24	14.390	1962	1966	1971	rBB3	1434	2100	0.37%	0.031%
25	14.578	1991	1998	2008	rBB	225881	360475	62.86%	5.325%
26	14.760	2024	2029	2033	rBV	13215	17206	3.00%	0.254%
27	14.830	2038	2041	2044	rBV	1000	1272	0.22%	0.019%
28	14.883	2044	2050	2057	rVB2	154720	246605	43.00%	3.643%
29	15.048	2071	2078	2084	rBV	81055	125014	21.80%	1.847%
30	15.195	2096	2103	2105	rBV	2014	2804	0.49%	0.041%
31	15.259	2109	2114	2117	rVB2	2691	3906	0.68%	0.058%
32	15.306	2120	2122	2126	rVV2	2292	2663	0.46%	0.039%
33	15.371	2129	2133	2139	rVV2	3604	5331	0.93%	0.079%
34	15.441	2139	2145	2149	rVB4	2306	3269	0.57%	0.048%

LSC Area Percent Report

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Acq On : 9 Feb 2016 14:50
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Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

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-BG020816.M
Title : SVOA CALIBRATION

35	15.676	2178	2185	2186	rBV2	6545	11575	2.02%	0.171%
36	15.700	2186	2189	2195	rVB	19925	25852	4.51%	0.382%
37	15.770	2195	2201	2204	rBV2	1840	2947	0.51%	0.044%
38	15.806	2204	2207	2210	rBV4	1323	1970	0.34%	0.029%
39	15.870	2212	2218	2227	rVB	319724	475176	82.86%	7.019%
40	15.970	2227	2235	2245	rVB	55621	80736	14.08%	1.193%
41	16.105	2248	2258	2262	rBV4	7884	17106	2.98%	0.253%
42	16.146	2262	2265	2270	rVB4	1856	2733	0.48%	0.040%
43	16.205	2270	2275	2277	rBV	2065	2896	0.50%	0.043%
44	16.258	2280	2284	2287	rBV	2138	3028	0.53%	0.045%
45	16.323	2289	2295	2300	rVB2	3191	4354	0.76%	0.064%
46	16.458	2313	2318	2322	rVB3	755	1369	0.24%	0.020%
47	16.563	2330	2336	2339	rBV	19688	28404	4.95%	0.420%
48	16.763	2369	2370	2377	rVB3	799	1336	0.23%	0.020%
49	16.834	2377	2382	2385	rBV3	1028	1649	0.29%	0.024%
50	16.910	2389	2395	2398	rVV3	2754	5049	0.88%	0.075%
51	16.963	2401	2404	2407	rVV3	1801	2413	0.42%	0.036%
52	17.022	2411	2414	2418	rVB5	1891	2519	0.44%	0.037%
53	17.069	2418	2422	2429	rBV3	1740	3181	0.55%	0.047%
54	17.133	2429	2433	2437	rVB2	2167	2928	0.51%	0.043%
55	17.168	2437	2439	2444	rBV2	1721	2810	0.49%	0.042%
56	17.351	2464	2470	2476	rBV	13199	18584	3.24%	0.275%
57	17.403	2476	2479	2483	rVV2	4701	6599	1.15%	0.097%
58	17.621	2509	2516	2522	rBV	203930	298144	51.99%	4.404%
59	17.674	2522	2525	2527	rVV3	1683	2419	0.42%	0.036%
60	17.721	2527	2533	2541	rVB	347560	521904	91.01%	7.710%
61	17.832	2549	2552	2557	rVB3	1204	1529	0.27%	0.023%
62	17.885	2557	2561	2563	rBV2	1407	1610	0.28%	0.024%
63	17.973	2572	2576	2581	rBV4	2929	4969	0.87%	0.073%
64	18.091	2591	2596	2601	rVB2	6358	8686	1.51%	0.128%
65	18.478	2658	2662	2671	rBV	26936	40873	7.13%	0.604%
66	18.561	2674	2676	2680	rVV2	1802	2131	0.37%	0.031%
67	18.772	2708	2712	2715	rBV2	3366	4247	0.74%	0.063%
68	18.901	2731	2734	2738	rVB2	1502	1719	0.30%	0.025%
69	19.213	2783	2787	2793	rBV	167037	220465	38.44%	3.257%
70	19.342	2804	2809	2812	rBV3	4019	6254	1.09%	0.092%
71	19.395	2814	2818	2821	rVV2	2873	3517	0.61%	0.052%

LSC Area Percent Report

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Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Title : SVOA CALIBRATION

72	19.589	2847	2851	2853	rBV2	1877	2414	0.42%	0.036%
73	19.624	2853	2857	2860	rVB2	4595	5683	0.99%	0.084%
74	19.700	2866	2870	2873	rBV	28768	34768	6.06%	0.514%
75	19.736	2873	2876	2883	rVV2	10428	12730	2.22%	0.188%
76	19.877	2895	2900	2904	rBV2	3769	6213	1.08%	0.092%
77	19.988	2911	2919	2925	rBV	394382	573476	100.00%	8.472%
78	20.346	2978	2980	2983	rBV4	2474	2713	0.47%	0.040%
79	20.417	2989	2992	2995	rBV4	3031	3441	0.60%	0.051%
80	20.452	2995	2998	3003	rBV5	2239	4195	0.73%	0.062%
81	20.493	3003	3005	3011	rVB3	1390	1788	0.31%	0.026%
82	20.623	3025	3027	3030	rVV3	2758	3264	0.57%	0.048%
83	20.699	3037	3040	3043	rVV3	2953	3938	0.69%	0.058%
84	20.793	3054	3056	3059	rBV3	994	1415	0.25%	0.021%
85	20.869	3066	3069	3072	rBV3	2626	2538	0.44%	0.037%
86	20.940	3079	3081	3084	rBV3	1241	1531	0.27%	0.023%
87	20.981	3086	3088	3094	rVV7	1684	2789	0.49%	0.041%
88	21.469	3167	3171	3173	rBV4	1578	2323	0.41%	0.034%
89	21.510	3173	3178	3189	rVV	46530	75072	13.09%	1.109%
90	21.768	3219	3222	3228	rVB3	4046	6414	1.12%	0.095%
91	21.903	3238	3245	3251	rVB	199622	325796	56.81%	4.813%
92	22.085	3272	3276	3278	rBV3	2593	3894	0.68%	0.058%
93	24.106	3615	3620	3625	rVB7	3242	5701	0.99%	0.084%
94	24.312	3651	3655	3663	rVB5	4638	10267	1.79%	0.152%
95	25.052	3769	3781	3794	rVB	200058	560623	97.76%	8.282%
96	25.287	3810	3821	3837	rVB	112564	329233	57.41%	4.864%
97	25.510	3857	3859	3862	rBV3	1497	1554	0.27%	0.023%
98	26.503	4025	4028	4029	rBV3	1992	1743	0.30%	0.026%
99	26.532	4029	4033	4034	rBV4	3038	4453	0.78%	0.066%
100	31.813	4927	4932	4934	rBV6	2390	4180	0.73%	0.062%

Sum of corrected areas: 6769394

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020817.D
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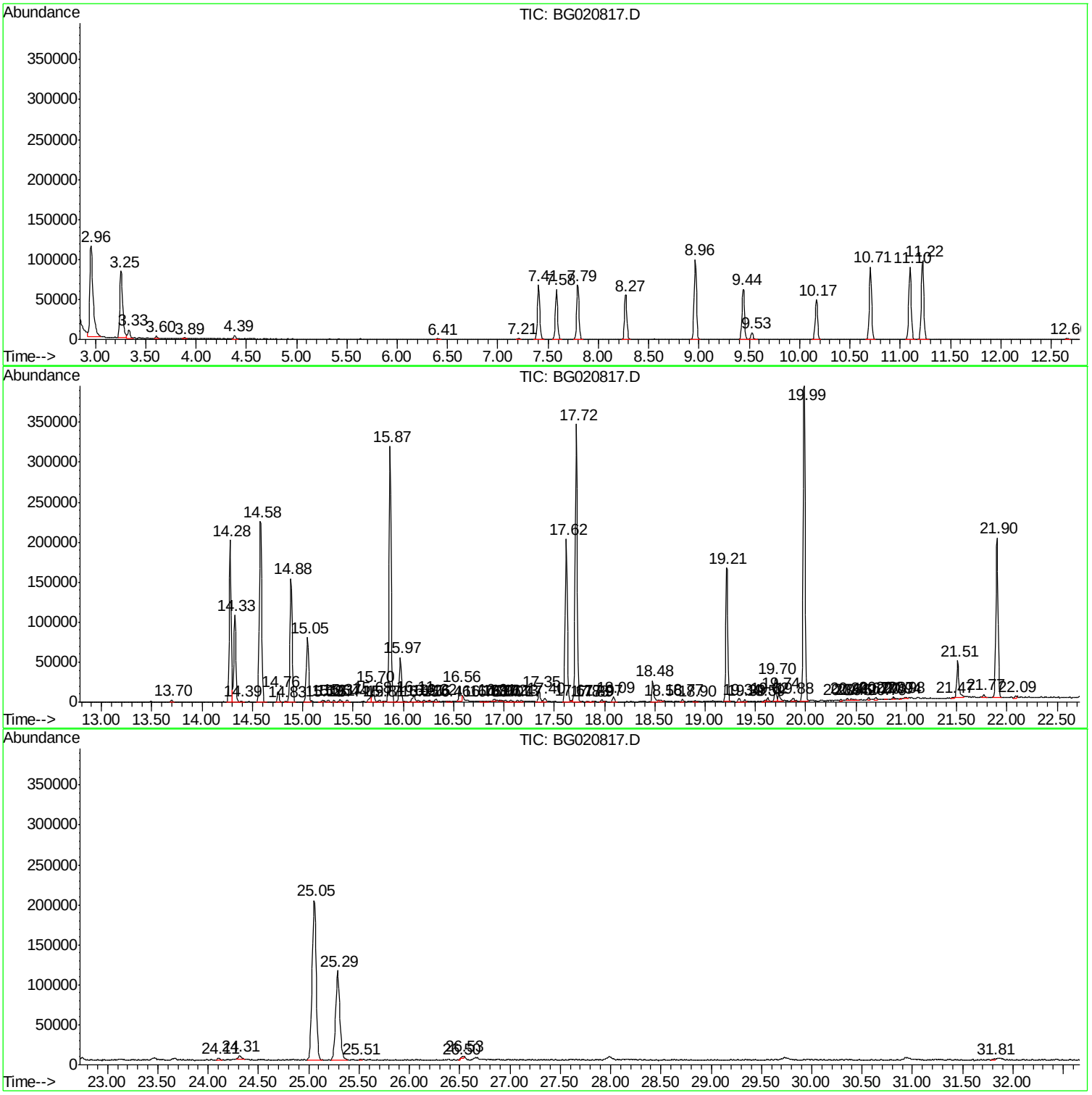
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.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\BG020916\
Data File : BG020817.D
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

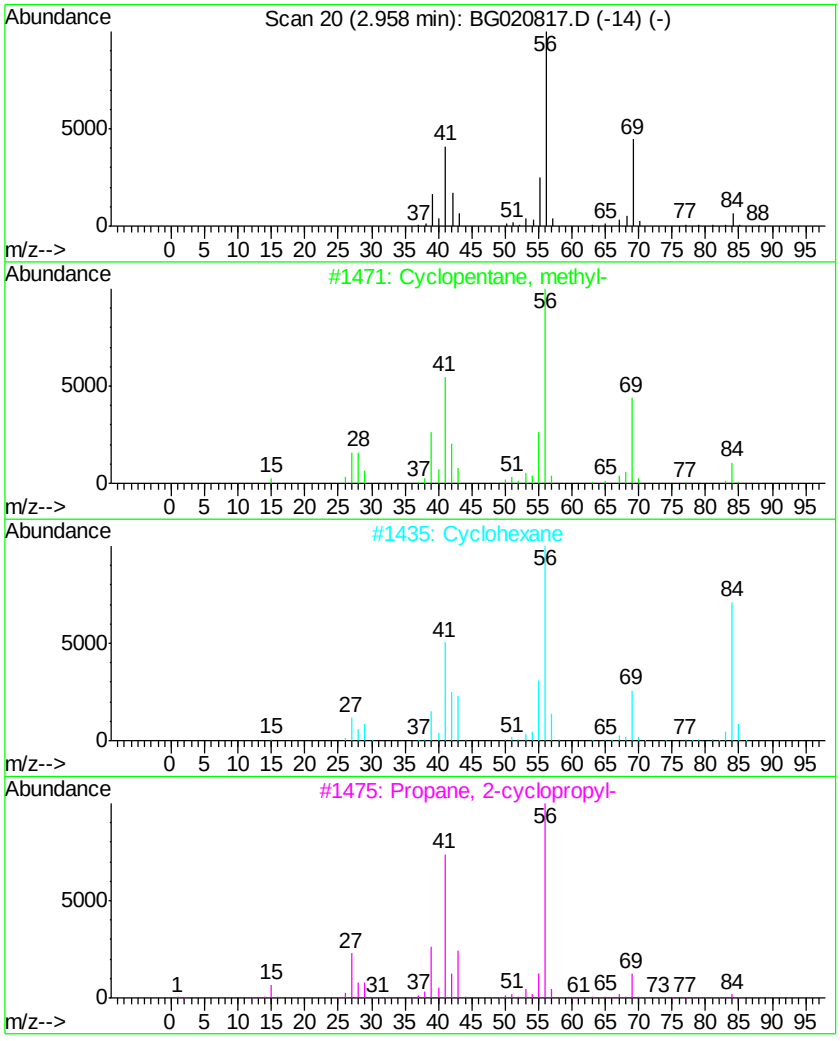
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

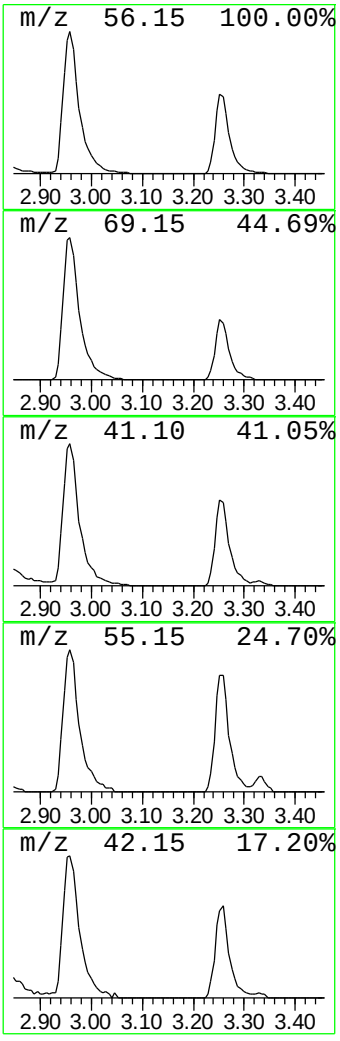
****

Peak Number 1 (DEL) Alkane: Cyclic2.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	54.93 ng/ul	253362	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

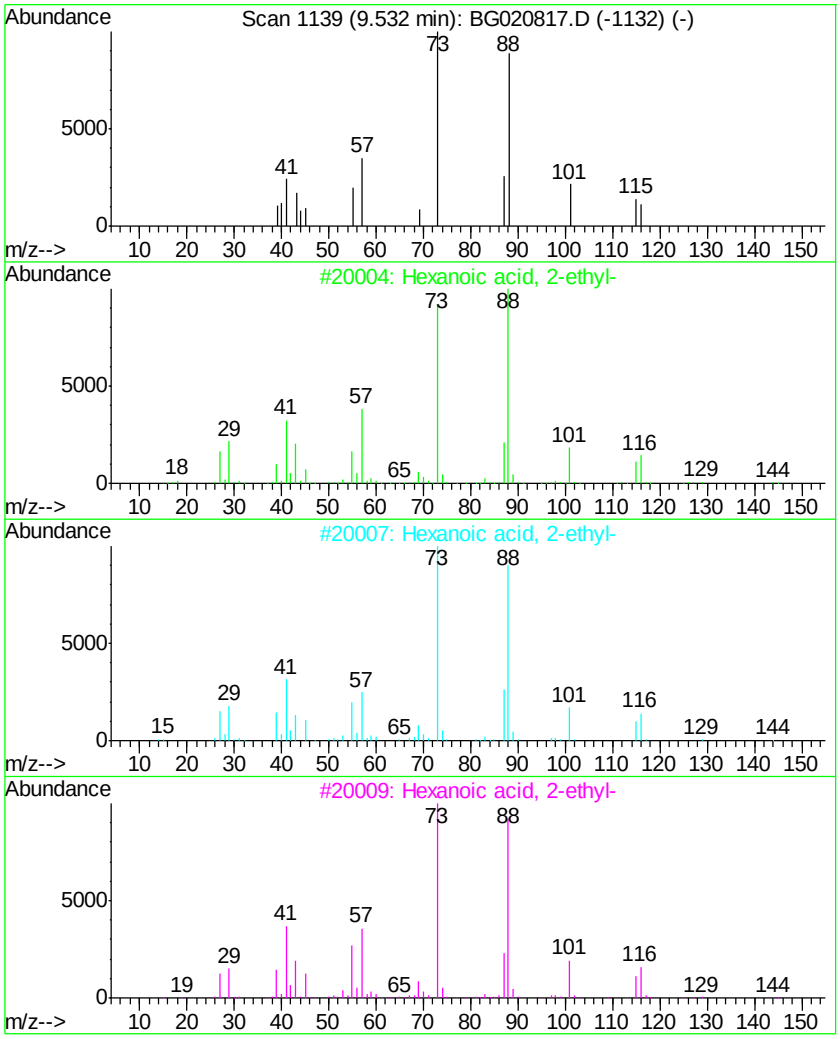
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

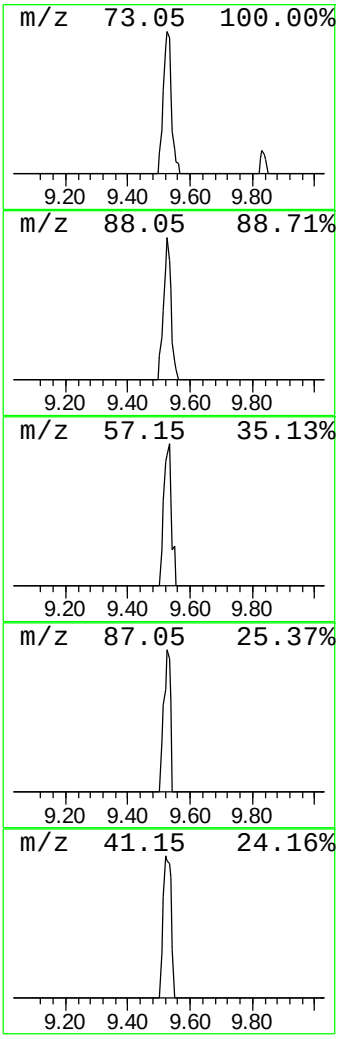
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	2.91 ng/ul	13413	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	78
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	50
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	38





Library Search Compound Report

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Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
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Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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

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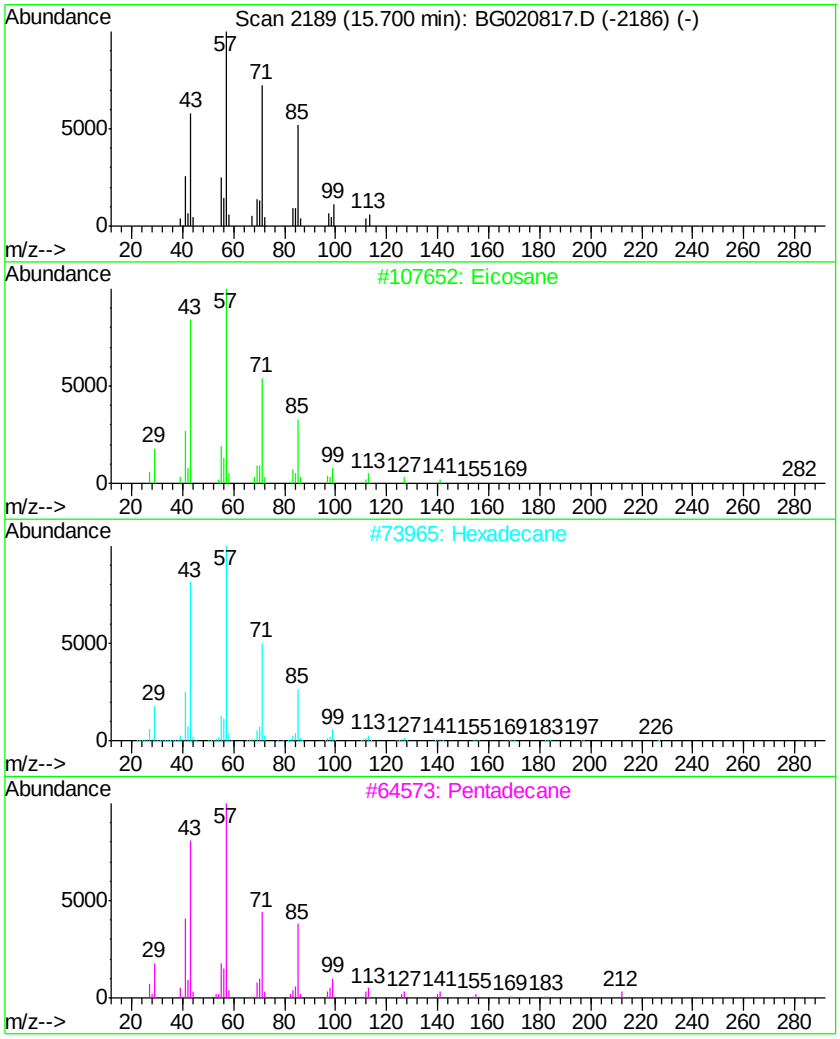
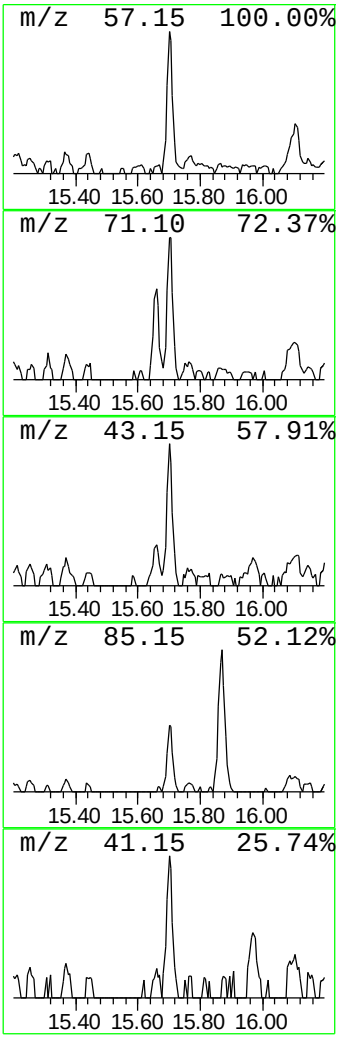
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	2.10 ng/ul	25852	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Hexadecane	226	C16H34	000544-76-3	83
3	Pentadecane	212	C15H32	000629-62-9	78
4	Pentadecane	212	C15H32	000629-62-9	78
5	Hexadecane	226	C16H34	000544-76-3	78





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Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

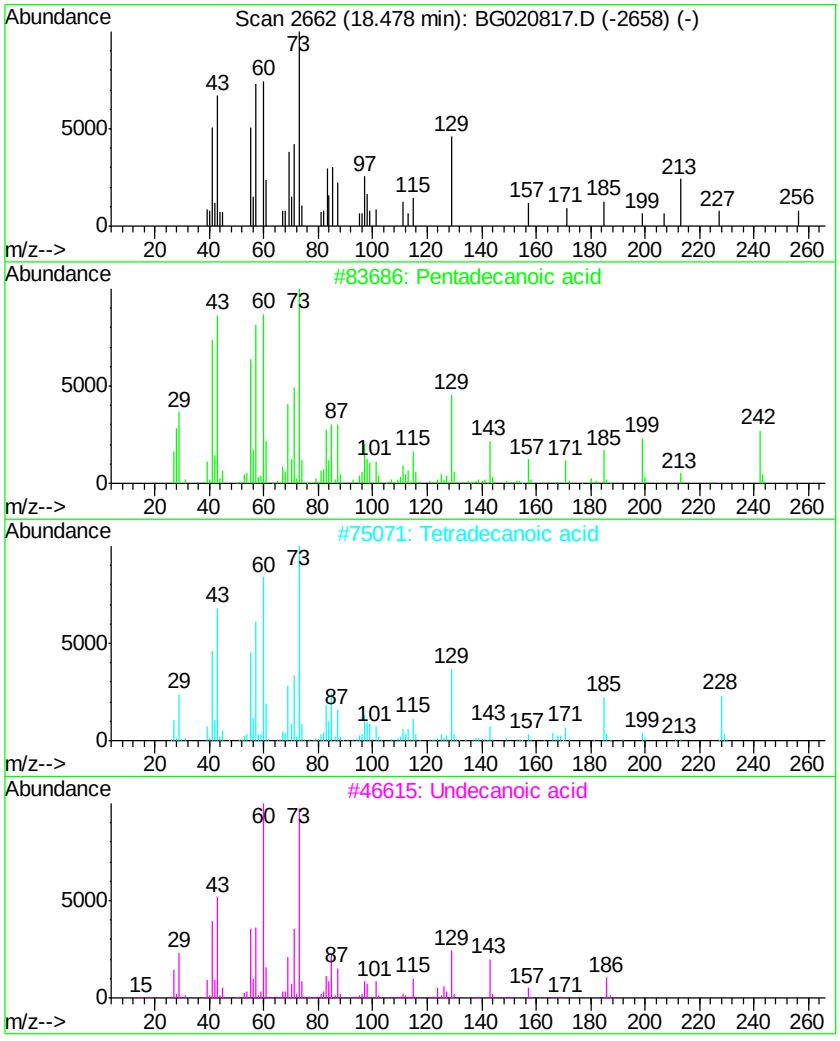
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

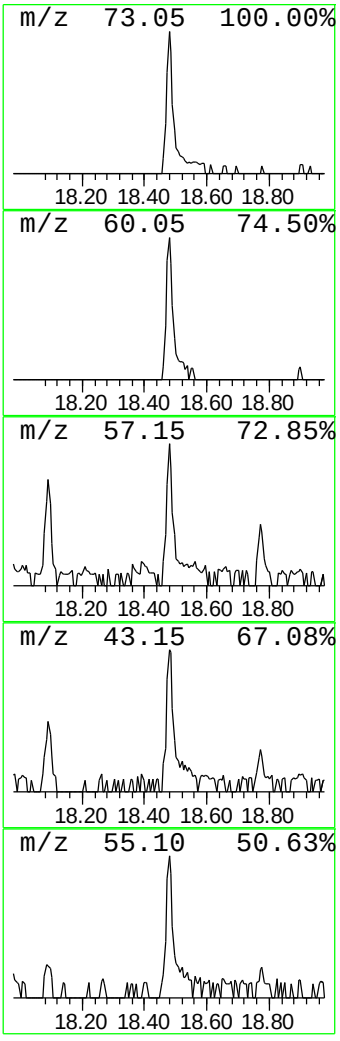
****

Peak Number 6 Pentadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.74 ng/ul	40873	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Undecanoic acid	186	C11H22O2	000112-37-8	47
4	Sedoheptulosan	192	C7H12O6	000469-90-9	22
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	10





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Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

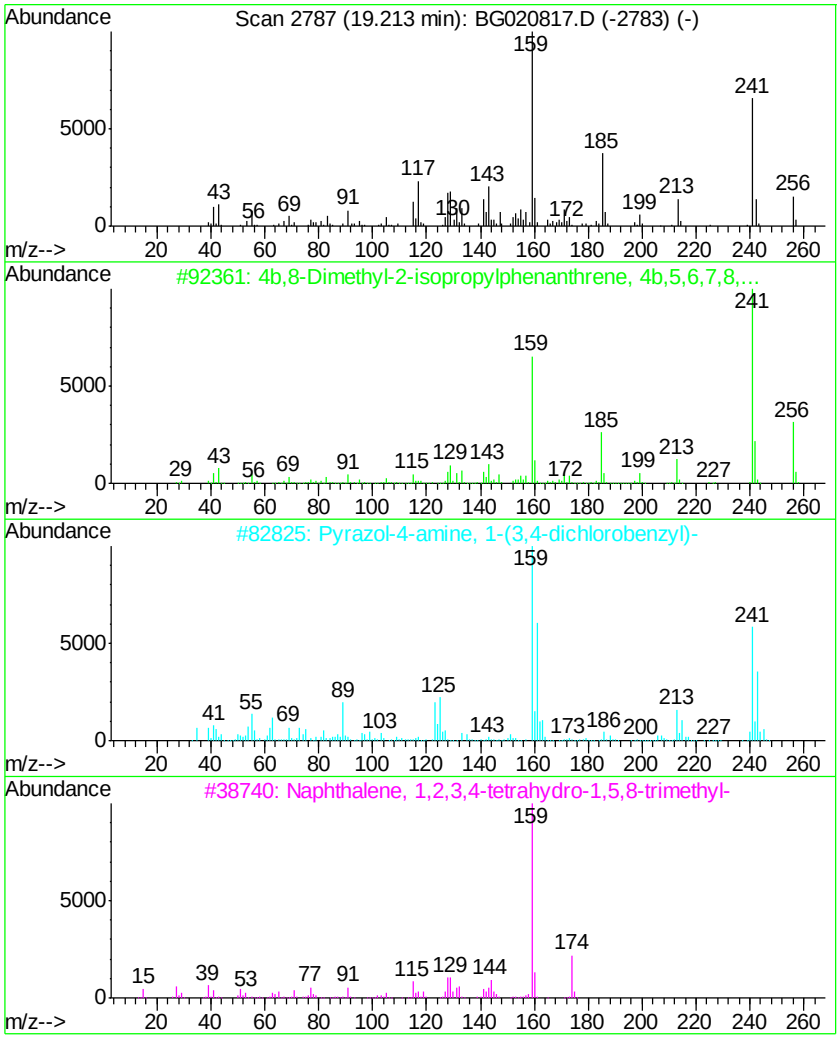
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

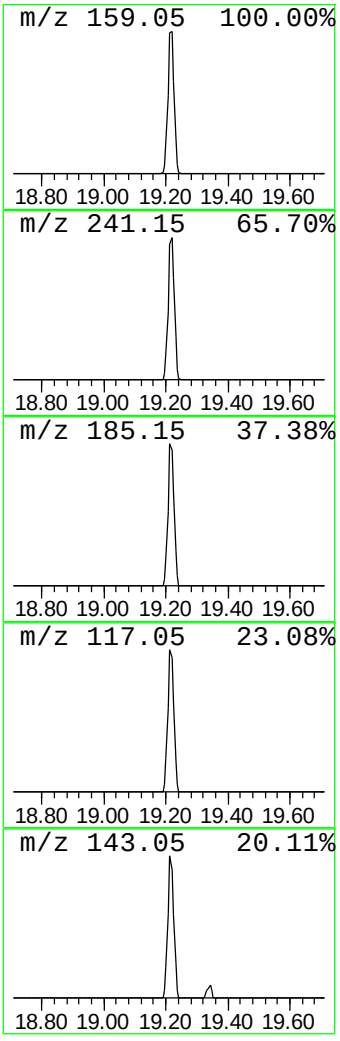
****

Peak Number 7 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	14.79 ng/ul	220465	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	99
2	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	52
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	41
4	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	38
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	38





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Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
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Sample : H1371-18
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ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

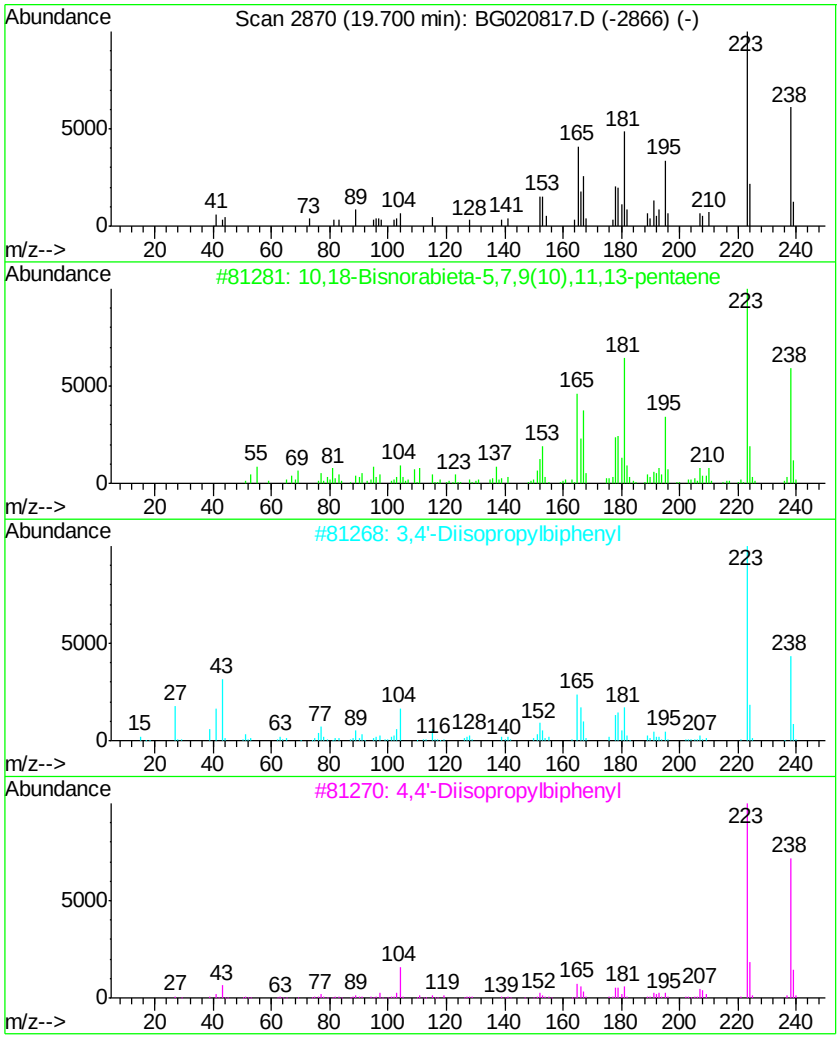
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

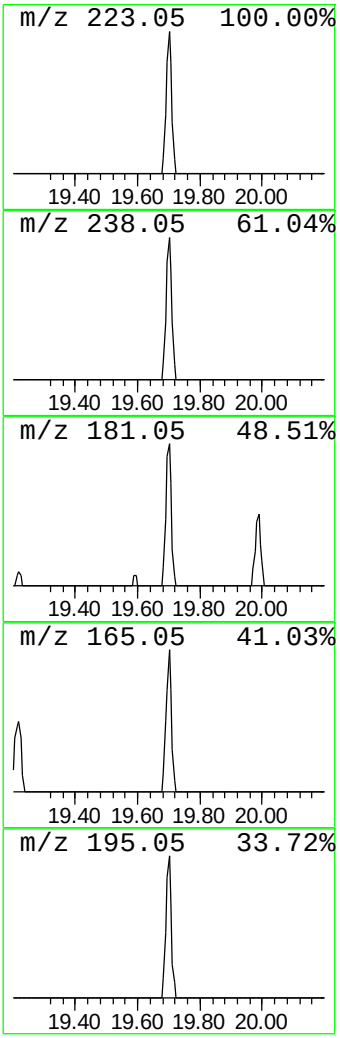
****

Peak Number 8 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.33 ng/ul	34768	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	53
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	46
4	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	43
5	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020916\
Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

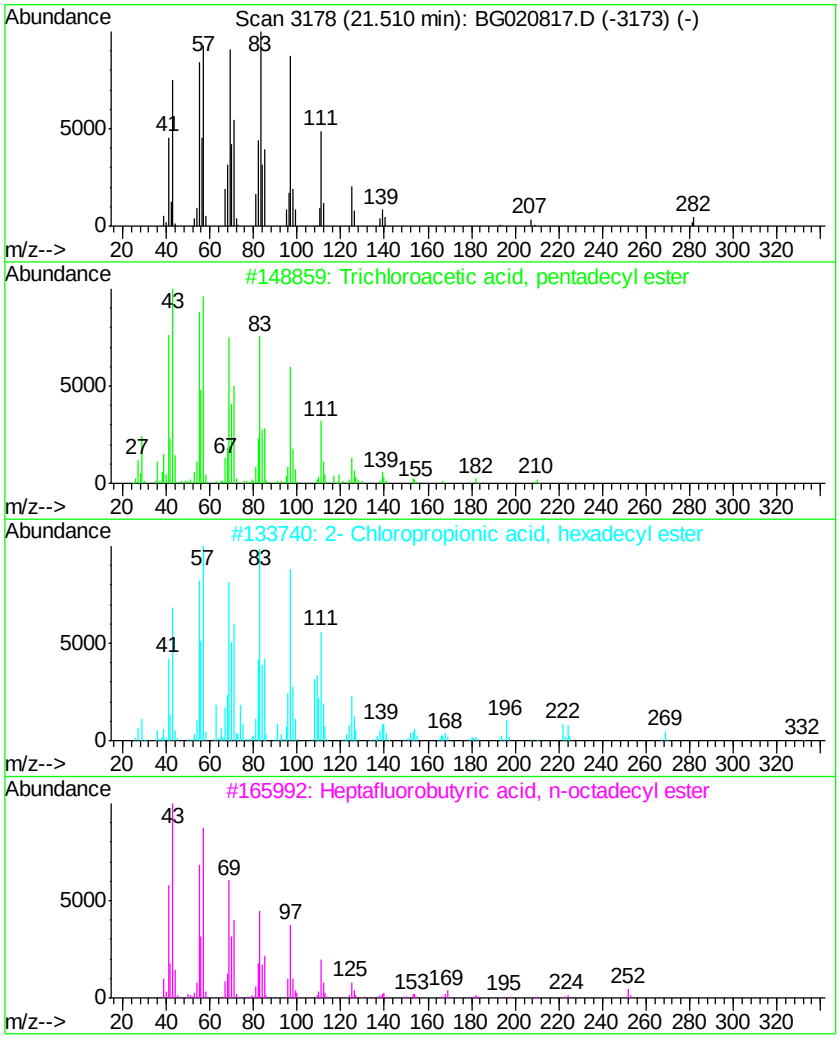
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

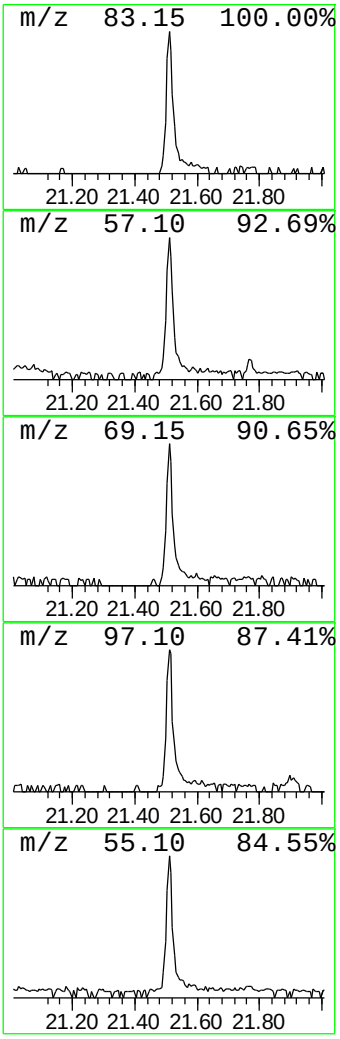
****

Peak Number 9 Trichloroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	4.61 ng/ul	75072	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020916\
Data File : BG020817.D
Acq On : 9 Feb 2016 14:50
Operator : SJ/UM
Sample : H1371-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04J4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.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
(DEL) Alkane: Cyc...	2.96	54.9	ng/ul	253362	1	8.27	92252	20.0
Hexanoic acid, 2-...	9.53	2.9	ng/ul	13413	1	8.27	92252	20.0
(DEL) Alkane: Str...	15.70	2.1	ng/ul	25852	3	14.88	246605	20.0
Pentadecanoic acid	18.48	2.7	ng/ul	40873	4	17.62	298144	20.0
4b,8-Dimethyl-2-i...	19.21	14.8	ng/ul	220465	4	17.62	298144	20.0
10,18-Bisnorabiet...	19.70	2.3	ng/ul	34768	4	17.62	298144	20.0
Trichloroacetic a...	21.51	4.6	ng/ul	75072	5	21.90	325796	20.0