LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

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-BG121415.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	2.979	21	24	31	rVB	12671	16050	2.03%	0.141%
2	3.126	44	49	58	rVV	22758	40182	5.09%	0.354%
3	3.202	58	62	68	rVB	14421	20994	2.66%	0.185%
4	7.239	741	749	762	rVB3	114862	240589	30.47%	2.119%
5	7.415	773	779	787	rBV	45701	73586	9.32%	0.648%
6	7.626	808	815	828	rVB	59823	108254	13.71%	0.953%
7	8.102	889	896	902	rVB	53749	91320	11.56%	0.804%
8	8.384	942	944	948	rBV3	734	1030	0.13%	0.009%
9	8.796	1007	1014	1023	rVB	84671	144990	18.36%	1.277%
10	9.266	1088	1094	1100	rBV2	59690	107093	13.56%	0.943%
11	9.583	1143	1148	1151	rBV3	950	1471	0.19%	0.013%
12	9.671	1158	1163	1167	rBV3	1618	2704	0.34%	0.024%
13	9.994	1211	1218	1220	rBV	54226	101815	12.89%	0.897%
14	10.124	1234	1240	1243	rBV2	588	1021	0.13%	0.009%
15	10.529	1302	1309	1317	rVB	91371	156320	19.79%	1.377%
16	10.917	1368	1375	1380	rBV	83837	149624	18.95%	1.318%
17	10.970	1380	1384	1390	rVB	25239	43025	5.45%	0.379%
18	11.046	1390	1397	1405	rVB	74603	133028	16.84%	1.171%
19	11.252	1424	1432	1441	rVB2	52739	88295	11.18%	0.778%
20	12.180	1582	1590	1598	rVB	35568	56485	7.15%	0.497%
21	12.491	1640	1643	1646	rBV2	930	1193	0.15%	0.011%
22	12.785	1686	1693	1699	rVB	77236	126374	16.00%	1.113%
23	12.926	1711	1717	1723	rVB	33536	50231	6.36%	0.442%
24	13.079	1741	1743	1749	rVB2	920	1338	0.17%	0.012%
25	13.161	1751	1757	1762	rVV	62127	99720	12.63%	0.878%
26	13.202	1762	1764	1768	rVB2	3642	4508	0.57%	0.040%
27	13.332	1782	1786	1788	rBV2	1793	1734	0.22%	0.015%
28	13.567	1816	1826	1832	rBV	158436	255748	32.38%	2.252%
29	14.131	1914	1922	1925	rBV	217331	310282	39.29%	2.732%
30	14.178	1925	1930	1936	rVV	237080	345456	43.74%	3.042%
31	14.230	1936	1939	1941	rVV2	1870	2270	0.29%	0.020%
32	14.295	1945	1950	1958	rVB	73405	105116	13.31%	0.926%
33	14.371	1958	1963	1966	rBV4	5559	7448	0.94%	0.066%
34	14.424	1966	1972	1979	rVV	220729	348650	44.15%	3.070%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

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-BG121415.M
Title : SVOA CALIBRATION

35	14.507	1981	1986	1989	rVB6	1504	2410	0.31%	0.021%
36	14.606	1998	2003	2008	rVB	17832	24042	3.04%	0.212%
37	14.683	2014	2016	2018	rBV2	1208	1462	0.19%	0.013%
38	14.730	2018	2024	2032	rVB2	155233	241928	30.63%	2.130%
39	14.818	2037	2039	2042	rVB2	1070	1191	0.15%	0.010%
40	14.924	2045	2057	2065	rBV3	173373	364078	46.10%	3.206%
41	15.047	2073	2078	2085	rBV6	3394	7778	0.98%	0.068%
42	15.124	2085	2091	2097	rBV	78086	119608	15.15%	1.053%
43	15.223	2104	2108	2116	rBV3	5568	10216	1.29%	0.090%
44	15.294	2116	2120	2125	rVV4	3508	5566	0.70%	0.049%
45	15.341	2125	2128	2132	rVB6	1387	2089	0.26%	0.018%
46	15.435	2141	2144	2145	rBV2	1496	1630	0.21%	0.014%
47	15.511	2153	2157	2158	rBV2	2234	3247	0.41%	0.029%
48	15.558	2160	2165	2169	rVB	31615	41351	5.24%	0.364%
49	15.717	2186	2192	2200	rVB	325205	488601	61.87%	4.303%
50	15.829	2205	2211	2219	rVB3	102805	196373	24.87%	1.729%
51	15.881	2219	2220	2222	rVB	6050	2548	0.32%	0.022%
52	15.964	2226	2234	2239	rBV4	11654	24657	3.12%	0.217%
53	16.058	2247	2250	2255	rVB4	4694	7262	0.92%	0.064%
54	16.111	2255	2259	2261	rBV2	4527	6138	0.78%	0.054%
55	16.181	2267	2271	2279	rVB4	6213	11045	1.40%	0.097%
56	16.246	2279	2282	2283	rBV3	1718	1947	0.25%	0.017%
57	16.304	2290	2292	2297	rVB3	2674	2912	0.37%	0.026%
58	16.416	2307	2311	2320	rBV	32947	58419	7.40%	0.514%
59	16.540	2330	2332	2336	rVB3	3485	4285	0.54%	0.038%
60	16.598	2339	2342	2348	rVV6	6959	10565	1.34%	0.093%
61	16.657	2349	2352	2358	rVV5	2977	5733	0.73%	0.050%
62	16.704	2358	2360	2361	rVV2	2441	1933	0.24%	0.017%
63	16.775	2365	2372	2377	rVV	67754	106151	13.44%	0.935%
64	16.822	2377	2380	2382	rVB3	3466	3742	0.47%	0.033%
65	16.927	2394	2398	2405	rBV4	5483	9161	1.16%	0.081%
66	16.998	2406	2410	2417	rVB5	4813	8501	1.08%	0.075%
67	17.115	2425	2430	2438	rBV2	106914	161696	20.48%	1.424%
68	17.209	2442	2446	2452	rBV3	12787	20638	2.61%	0.182%
69	17.474	2484	2491	2494	rBV	204029	315331	39.93%	2.777%
70	17.515	2494	2498	2503	rVV	294435	430594	54.52%	3.792%
71	17.574	2503	2508	2511	rVV2	384316	599025	75.85%	5.275%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

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-BG121415.M
Title : SVOA CALIBRATION

72	17.603	2511	2513	2519	rVB	121989	157084	19.89%	1.383%
73	17.685	2525	2527	2529	rBV3	1761	1842	0.23%	0.016%
74	17.762	2534	2540	2543	rBV6	3413	5890	0.75%	0.052%
75	17.797	2543	2546	2549	rBV4	9478	10307	1.31%	0.091%
76	17.908	2563	2565	2569	rBV4	1889	2730	0.35%	0.024%
77	17.950	2569	2572	2576	rVB5	4044	5394	0.68%	0.047%
78	18.049	2585	2589	2594	rVB4	4673	6510	0.82%	0.057%
79	18.120	2597	2601	2604	rVB4	4446	7174	0.91%	0.063%
80	18.290	2626	2630	2635	rBV2	18032	22766	2.88%	0.200%
81	18.343	2635	2639	2644	rVV5	13625	22411	2.84%	0.197%
82	18.420	2647	2652	2661	rVB	168823	224571	28.44%	1.978%
83	18.561	2672	2676	2681	rVB7	6060	8063	1.02%	0.071%
84	18.878	2727	2730	2735	rBV5	5754	7398	0.94%	0.065%
85	19.201	2781	2785	2793	rBV7	11527	25877	3.28%	0.228%
86	19.518	2834	2839	2845	rVB	294446	411290	52.08%	3.622%
87	19.618	2853	2856	2860	rVB4	16427	19369	2.45%	0.171%
88	19.853	2890	2896	2899	rBV	483777	789719	100.00%	6.954%
89	21.369	3150	3154	3161	rBV	43965	67098	8.50%	0.591%
90	21.622	3192	3197	3204	rVB	247073	342470	43.37%	3.016%
91	21.745	3212	3218	3222	rBV	216690	378793	47.97%	3.336%
92	21.792	3222	3226	3232	rVB	234473	360968	45.71%	3.179%
93	23.443	3503	3507	3518	rVB2	37678	77911	9.87%	0.686%
94	24.789	3727	3736	3743	rBV	244175	665464	84.27%	5.860%
95	24.859	3744	3748	3762	rVB	113655	278366	35.25%	2.451%
96	25.018	3766	3775	3787	rVB3	124147	357070	45.21%	3.144%
97	28.743	4397	4409	4417	rBV2	78788	361001	45.71%	3.179%
98	30.276	4660	4670	4686	rVB3	45609	196800	24.92%	1.733%

Sum of corrected areas: 11356133

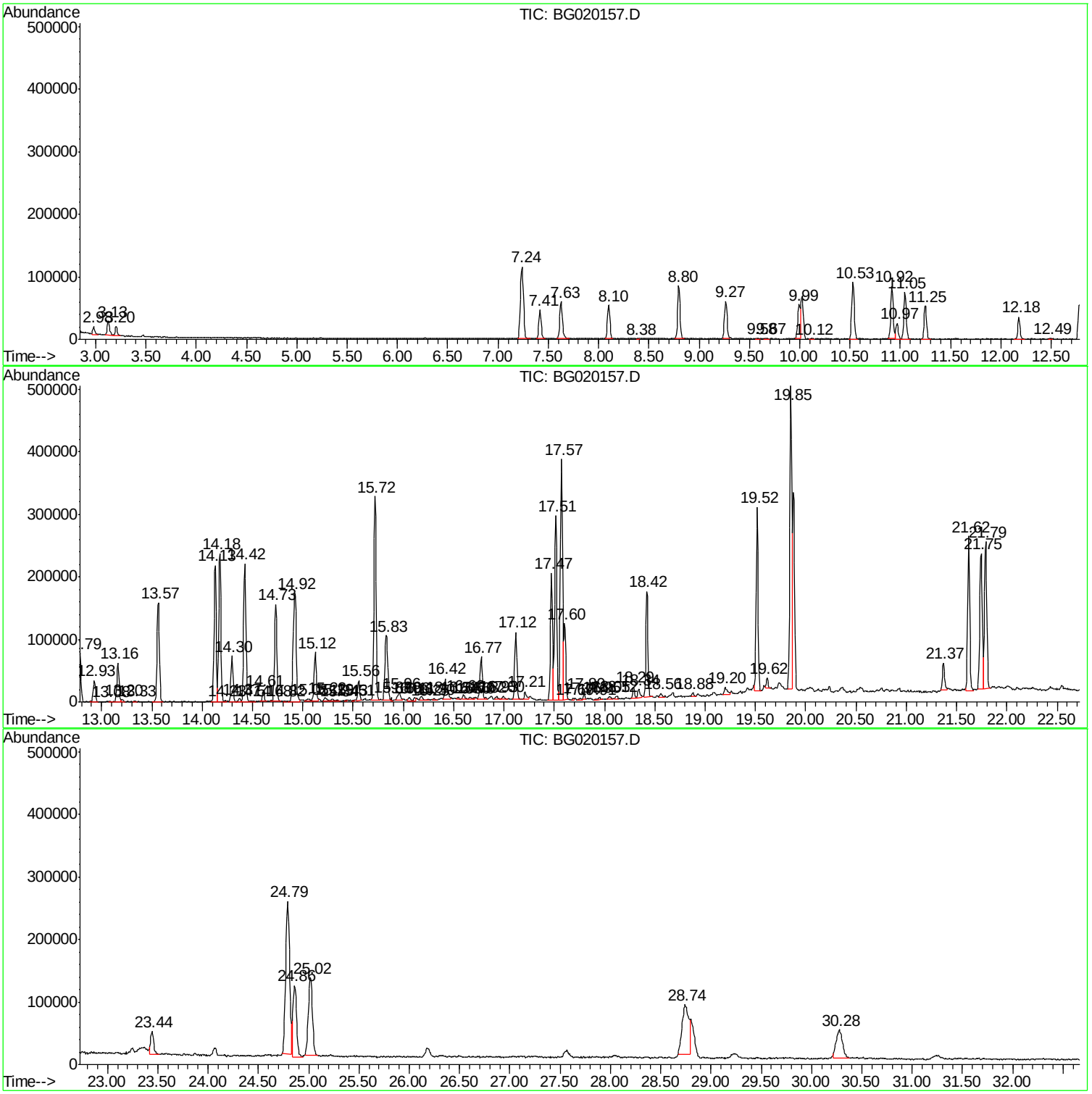
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

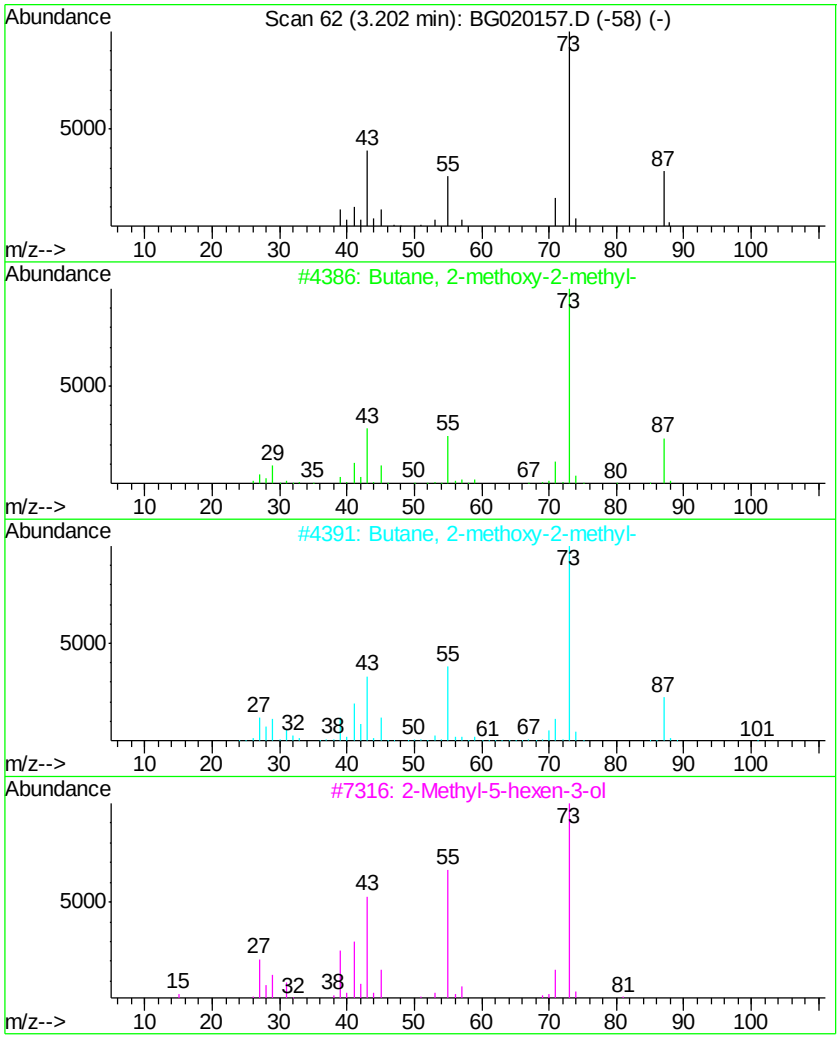
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

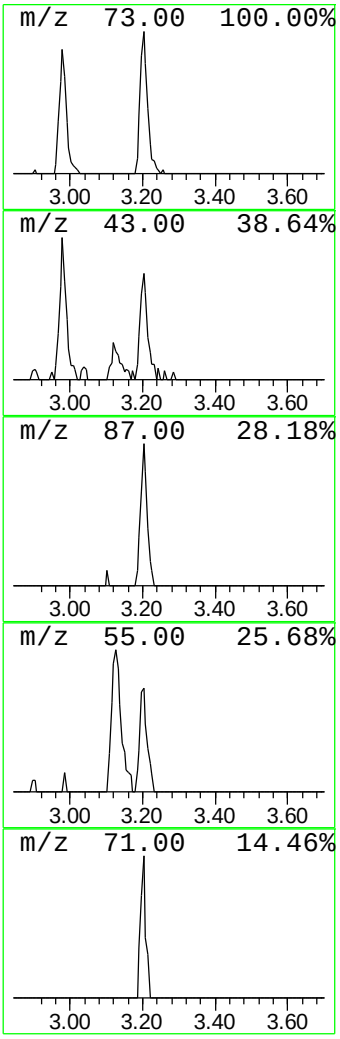
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	4.60 ng/ul	20994	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

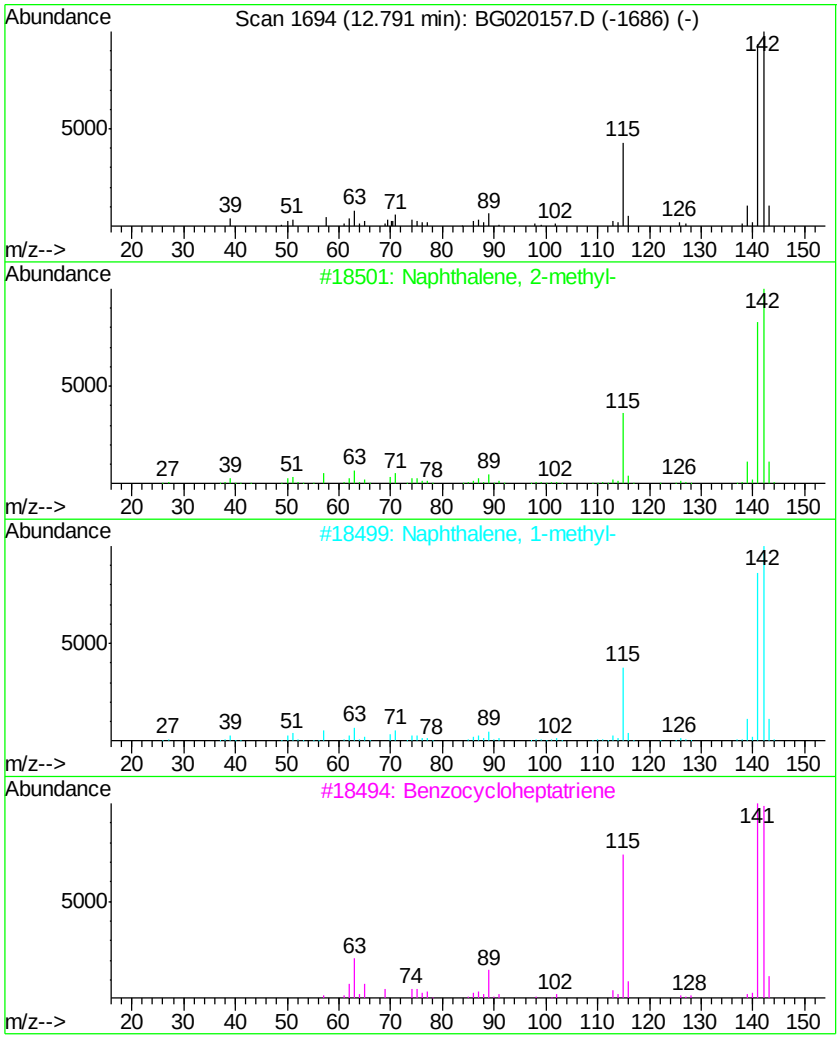
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

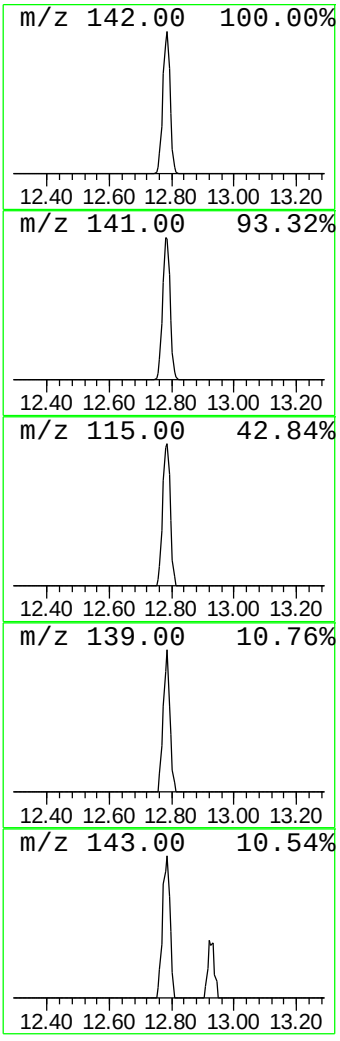
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	16.89 ng/ul	126374	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

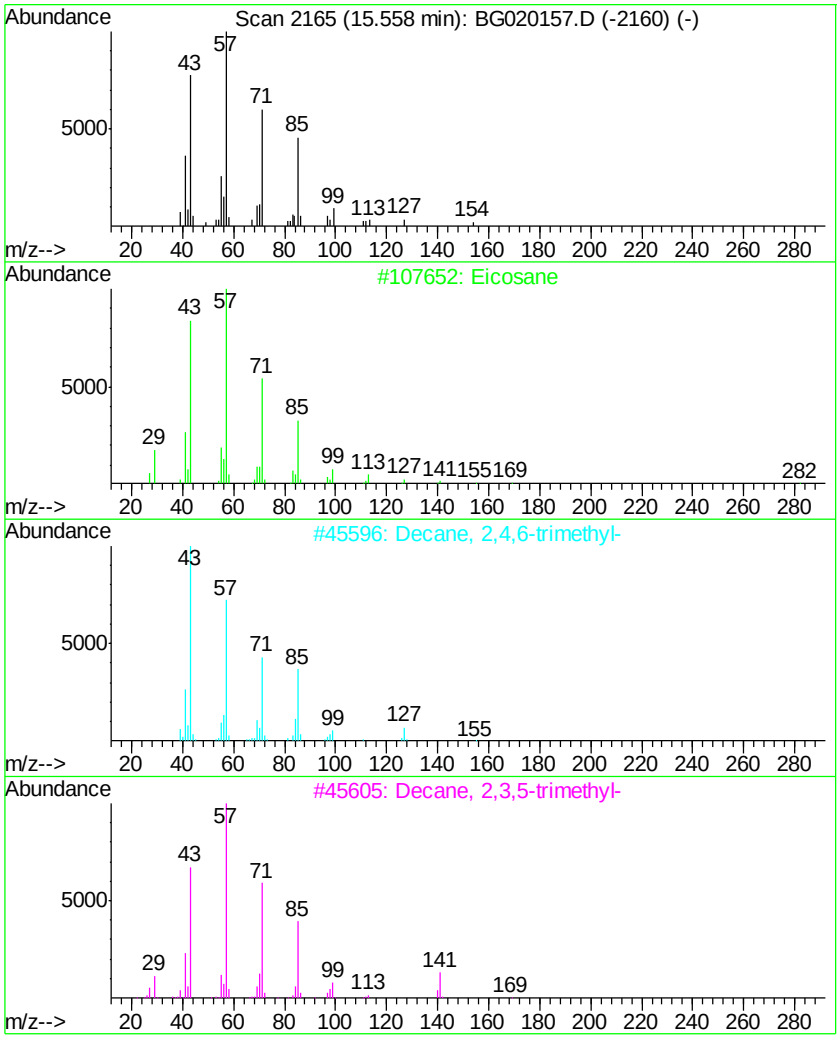
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

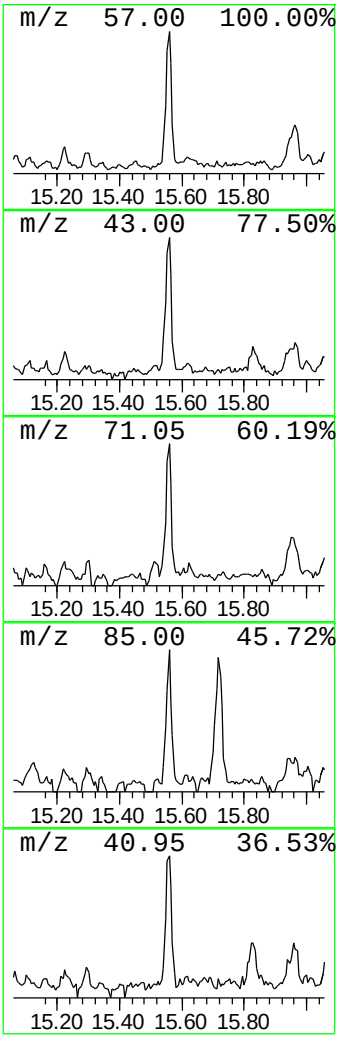
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	3.42 ng/ul	41351	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	83
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Heptadecane	240	C17H36	000629-78-7	72
5	Tetradecane	198	C14H30	000629-59-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

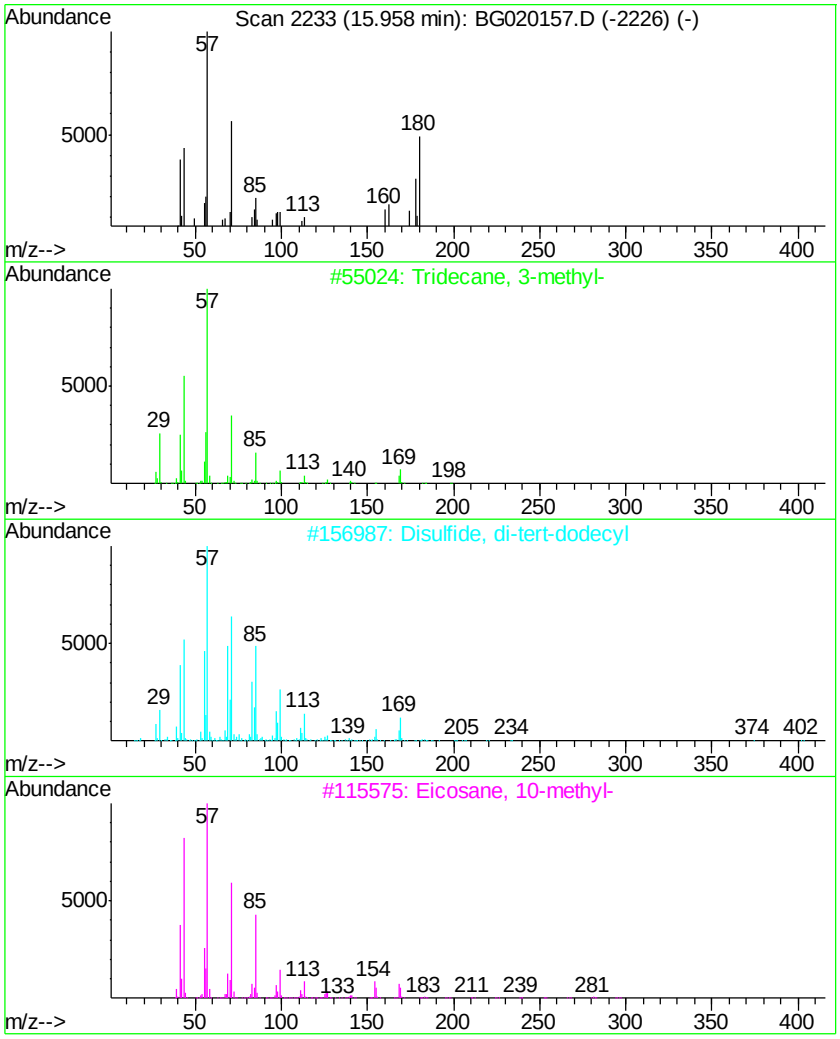
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

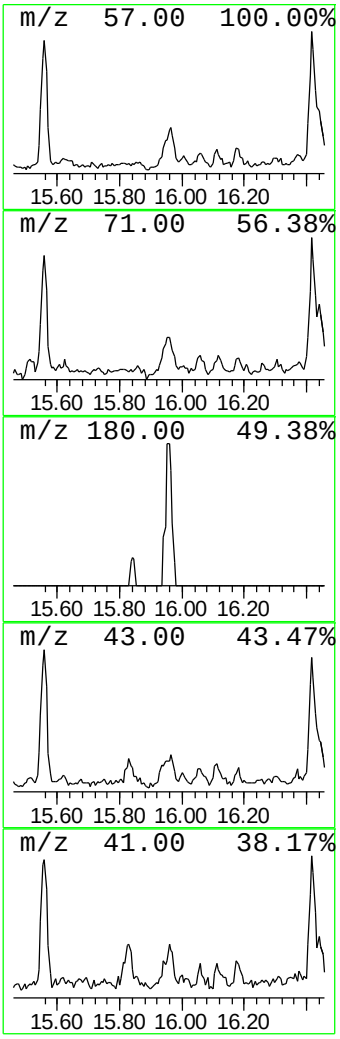
****

Peak Number 6 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.04 ng/ul	24657	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
2	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	47
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	43
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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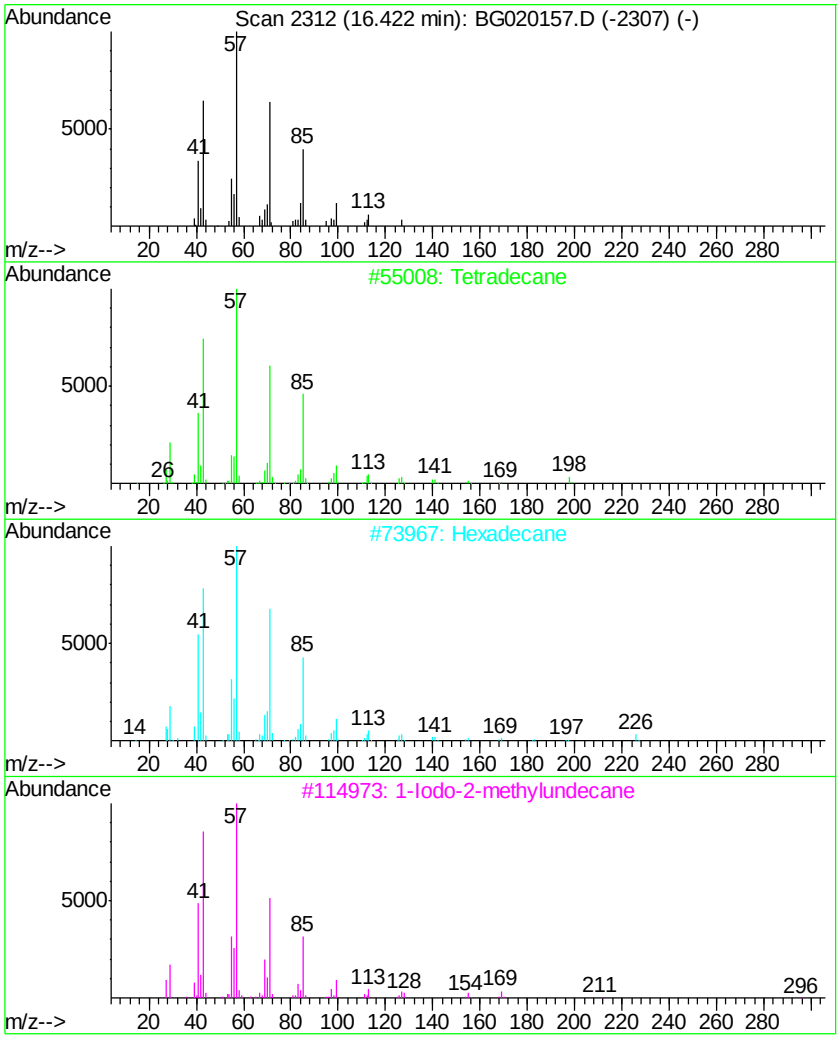
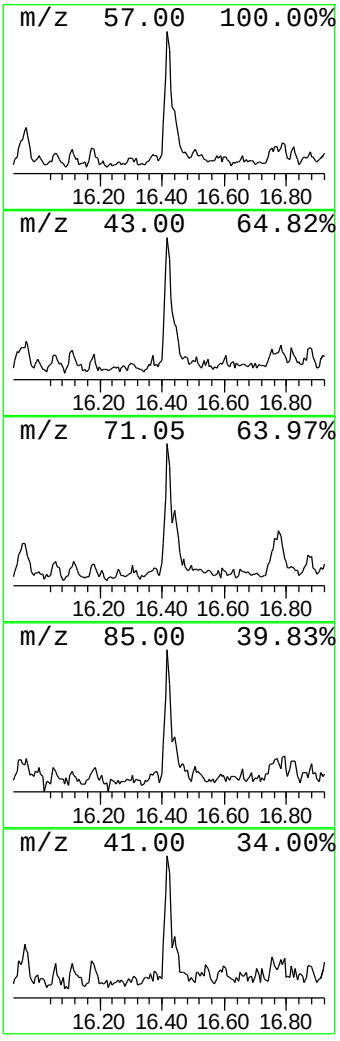
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.71 ng/ul	58419	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Hexadecane	226	C16H34	000544-76-3	74
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Eicosane	282	C20H42	000112-95-8	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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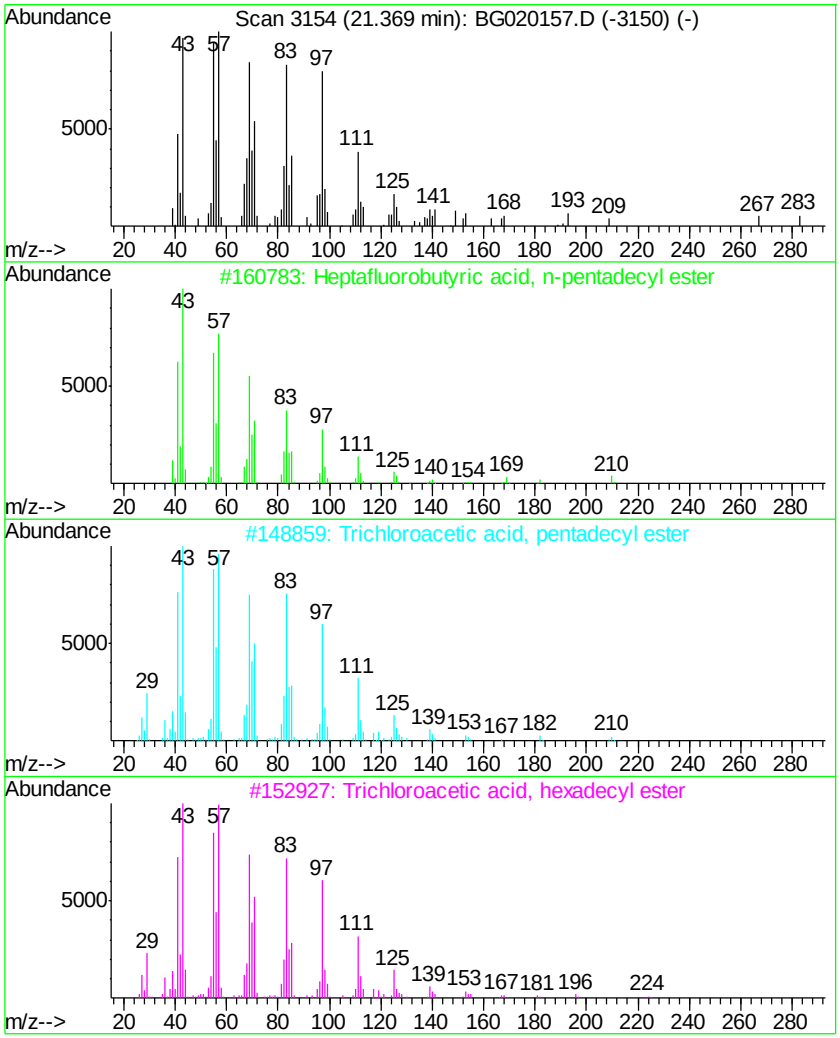
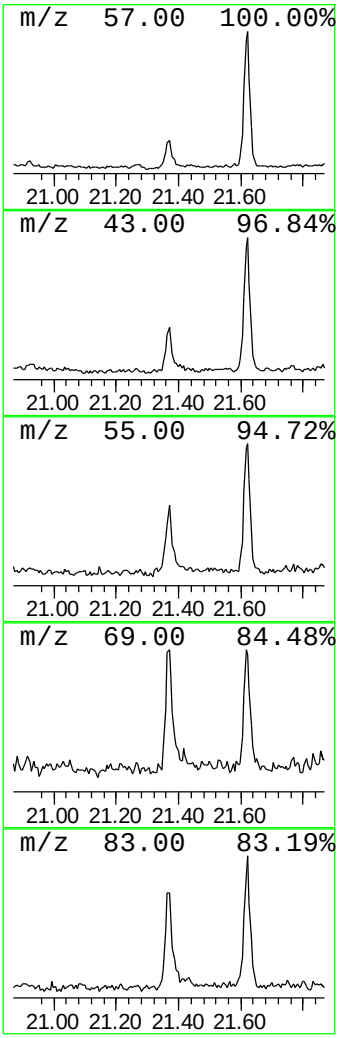
Peak Number 8 Heptafluorobutyric acid, n-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.54 ng/ul	67098	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91





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Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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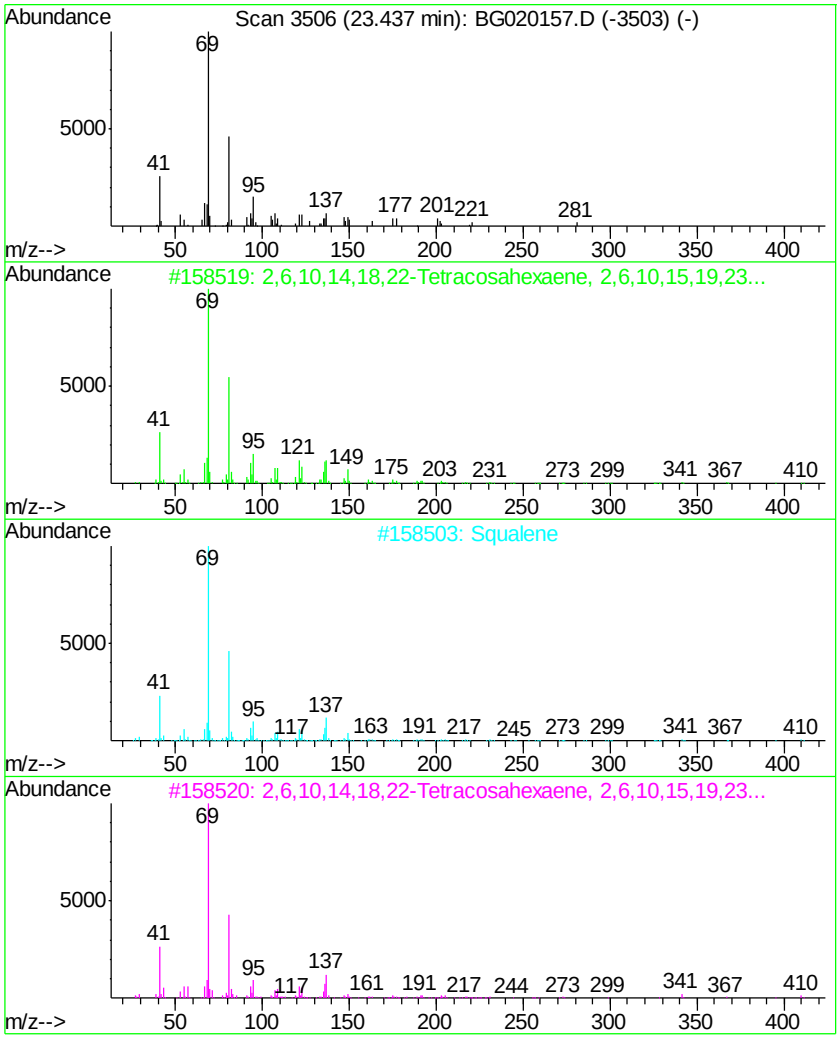
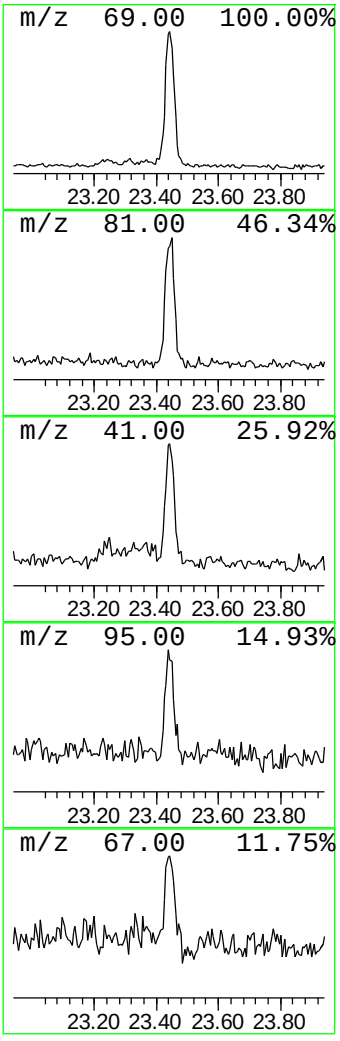
Peak Number 9 2,6,10,14,18,22-Tetracosahe... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	4.36 ng/ul	77911	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	83
2	Squalene	410	C30H50	007683-64-9	83
3	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	80
4	Squalene	410	C30H50	007683-64-9	80
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	64





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Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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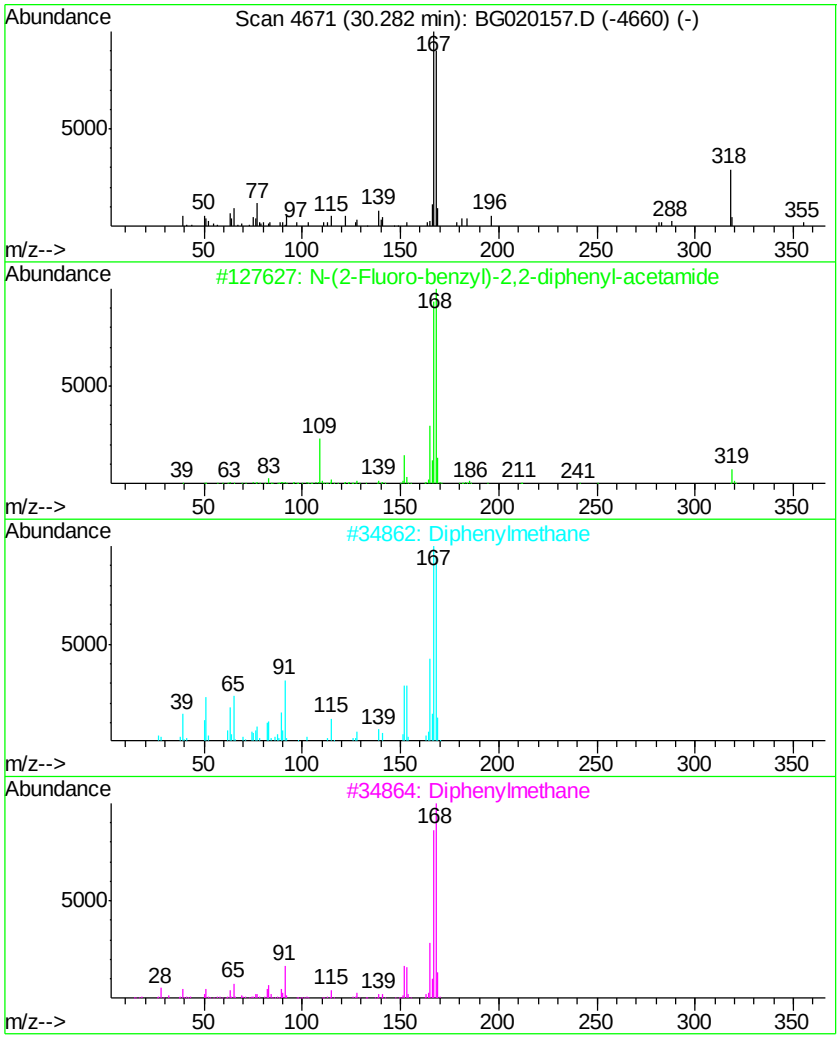
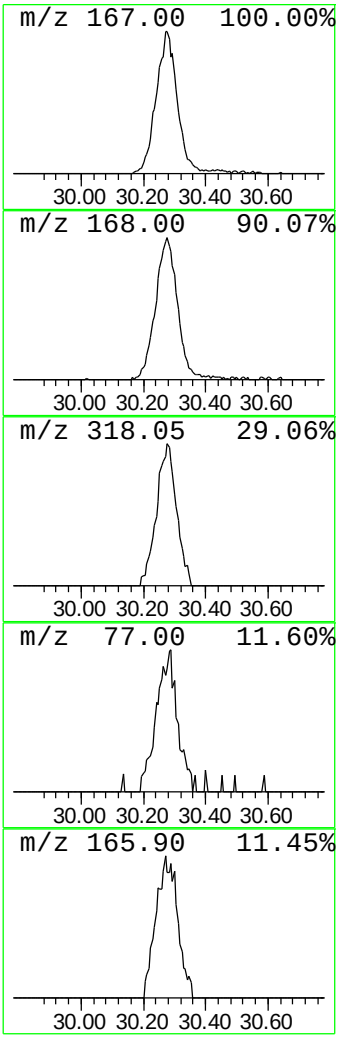
Peak Number 10 N-(2-Fluoro-benzyl)-2,2-dip... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.28	11.02 ng/ul	196800	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Fluoro-benzyl)-2,2-diphenyl...	319	C21H18FNO	329920-78-7	72
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	Secobarbital	238	C12H18N2O3	000076-73-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020157.D
Acq On : 14 Dec 2015 17:36
Operator : UM/SJ
Sample : G4787-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BP4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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...	3.20	4.6	ng/ul	20994	1	8.10	91320	20.0
Naphthalene, 1-me...	12.79	16.9	ng/ul	126374	2	10.92	149624	20.0
(DEL) Alkane: Str...	15.56	3.4	ng/ul	41351	3	14.73	241928	20.0
unknown-01	15.96	2.0	ng/ul	24657	3	14.73	241928	20.0
(DEL) Alkane: Str...	16.42	3.7	ng/ul	58419	4	17.47	315331	20.0
Heptafluorobutyri...	21.37	3.5	ng/ul	67098	5	21.75	378793	20.0
2,6,10,14,18,22-T...	23.44	4.4	ng/ul	77911	6	25.02	357070	20.0
N-(2-Fluoro-benzy...	30.28	11.0	ng/ul	196800	6	25.02	357070	20.0