LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

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-BG030316.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	3.190	58	60	64	rVB3	1133	1461	0.35%	0.031%
2	3.530	115	118	123	rBV	2741	4189	1.00%	0.088%
3	7.273	749	755	765	rBB	63336	105739	25.36%	2.213%
4	7.444	777	784	793	rBB	48248	79526	19.07%	1.664%
5	7.655	813	820	827	rBB	61472	102830	24.66%	2.152%
6	8.125	894	900	906	rBB	43173	69212	16.60%	1.448%
7	8.818	1012	1018	1026	rBB2	66353	111748	26.80%	2.339%
8	9.288	1090	1098	1105	rBV	63964	113490	27.22%	2.375%
9	9.377	1109	1113	1117	rBB2	1430	1706	0.41%	0.036%
10	10.011	1214	1221	1227	rBB	57915	100698	24.15%	2.107%
11	10.546	1305	1312	1320	rBV	80402	138340	33.18%	2.895%
12	10.934	1371	1378	1385	rBB	63860	110310	26.46%	2.309%
13	11.063	1394	1400	1408	rBV	74137	130493	31.30%	2.731%
14	13.619	1831	1835	1839	rBB	1083	1481	0.36%	0.031%
15	14.136	1916	1923	1927	rBV	149975	226879	54.42%	4.748%
16	14.177	1927	1930	1937	rVB	68521	93831	22.50%	1.964%
17	14.429	1965	1973	1981	rBB	169863	260378	62.45%	5.449%
18	14.606	1997	2003	2008	rBB	8741	11195	2.69%	0.234%
19	14.735	2018	2025	2032	rVB2	98985	150690	36.14%	3.154%
20	14.911	2049	2055	2067	rBV	81110	132461	31.77%	2.772%
21	15.052	2074	2079	2085	rBV4	1490	3323	0.80%	0.070%
22	15.111	2085	2089	2094	rBV4	2124	3499	0.84%	0.073%
23	15.158	2094	2097	2103	rVB2	1320	2045	0.49%	0.043%
24	15.223	2103	2108	2111	rBV2	2576	3835	0.92%	0.080%
25	15.287	2116	2119	2123	rBB2	1659	2186	0.52%	0.046%
26	15.511	2153	2157	2160	rBV2	1549	2329	0.56%	0.049%
27	15.558	2160	2165	2170	rVB	16493	21249	5.10%	0.445%
28	15.616	2170	2175	2178	rBV2	1676	2547	0.61%	0.053%
29	15.722	2186	2193	2199	rVB	224677	333300	79.94%	6.975%
30	15.828	2204	2211	2219	rVB	84159	123755	29.68%	2.590%
31	15.957	2224	2233	2237	rBV3	6240	13185	3.16%	0.276%
32	16.004	2237	2241	2245	rVB2	1711	2279	0.55%	0.048%
33	16.051	2245	2249	2254	rVB2	2250	3267	0.78%	0.068%
34	16.104	2254	2258	2266	rBV3	2300	4241	1.02%	0.089%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

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-BG030316.M
Title : SVOA CALIBRATION

35	16.174	2266	2270	2274	rVB2	2653	3243	0.78%	0.068%
36	16.345	2297	2299	2301	rBV2	1128	1266	0.30%	0.026%
37	16.415	2306	2311	2319	rVV2	17147	30256	7.26%	0.633%
38	16.468	2319	2320	2322	rVV2	1570	1318	0.32%	0.028%
39	16.492	2322	2324	2326	rVV2	1224	1255	0.30%	0.026%
40	16.592	2337	2341	2345	rVB3	1719	2181	0.52%	0.046%
41	16.750	2366	2368	2377	rVB3	2212	4464	1.07%	0.093%
42	16.821	2377	2380	2383	rBV3	1603	2456	0.59%	0.051%
43	16.874	2385	2389	2391	rVV3	1160	1421	0.34%	0.030%
44	16.921	2393	2397	2400	rBV	1678	1767	0.42%	0.037%
45	17.203	2438	2445	2450	rBV	9158	12533	3.01%	0.262%
46	17.261	2450	2455	2457	rVV2	3079	4642	1.11%	0.097%
47	17.473	2483	2491	2496	rBV2	117055	184831	44.33%	3.868%
48	17.514	2496	2498	2501	rVV2	1071	1580	0.38%	0.033%
49	17.567	2501	2507	2514	rVB	243504	367250	88.08%	7.686%
50	17.937	2565	2570	2574	rBV2	2320	3435	0.82%	0.072%
51	18.337	2632	2638	2642	rBV2	19978	28693	6.88%	0.600%
52	18.460	2658	2659	2662	rVB3	1507	1180	0.28%	0.025%
53	18.548	2672	2674	2675	rVV2	2842	2400	0.58%	0.050%
54	18.601	2676	2683	2684	rVV6	4811	10716	2.57%	0.224%
55	18.625	2684	2687	2688	rVV2	8068	10142	2.43%	0.212%
56	18.642	2688	2690	2699	rVV6	9075	22412	5.38%	0.469%
57	18.742	2703	2707	2715	rVB6	14911	28185	6.76%	0.590%
58	18.930	2733	2739	2746	rBV	56298	78897	18.92%	1.651%
59	19.024	2752	2755	2760	rBV3	1006	1852	0.44%	0.039%
60	19.065	2760	2762	2765	rBV3	1896	2220	0.53%	0.046%
61	19.189	2780	2783	2786	rVB3	1332	1656	0.40%	0.035%
62	19.253	2790	2794	2797	rVB3	1232	1444	0.35%	0.030%
63	19.476	2830	2832	2838	rVB2	3597	4921	1.18%	0.103%
64	19.553	2842	2845	2849	rVB4	3264	3940	0.94%	0.082%
65	19.600	2849	2853	2856	rBV3	11524	15461	3.71%	0.324%
66	19.647	2858	2861	2865	rVB2	7715	9087	2.18%	0.190%
67	19.841	2885	2894	2902	rBV	279412	416941	100.00%	8.726%
68	19.941	2908	2911	2914	rBV4	1132	1529	0.37%	0.032%
69	20.023	2920	2925	2929	rBV5	3840	6885	1.65%	0.144%
70	20.099	2934	2938	2940	rBV3	2411	3256	0.78%	0.068%
71	20.140	2943	2945	2949	rBV4	1075	1618	0.39%	0.034%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

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-BG030316.M
Title : SVOA CALIBRATION

72	20.205	2954	2956	2960	rVV5	2441	3538	0.85%	0.074%
73	20.276	2961	2968	2972	rVB	58330	77167	18.51%	1.615%
74	20.323	2972	2976	2978	rBV5	2216	3330	0.80%	0.070%
75	20.346	2978	2980	2984	rVB3	1862	2398	0.58%	0.050%
76	20.487	3001	3004	3009	rVB7	2208	3200	0.77%	0.067%
77	20.816	3058	3060	3061	rBV2	2565	2180	0.52%	0.046%
78	21.269	3134	3137	3141	rBV5	2475	4301	1.03%	0.090%
79	21.351	3146	3151	3161	rVB2	39691	63119	15.14%	1.321%
80	21.733	3209	3216	3225	rVB	126769	215567	51.70%	4.511%
81	22.220	3297	3299	3300	rBV2	2995	2350	0.56%	0.049%
82	22.496	3343	3346	3347	rBV3	3006	3652	0.88%	0.076%
83	22.543	3350	3354	3357	rVV3	8233	13166	3.16%	0.276%
84	22.661	3370	3374	3377	rBV4	2837	3928	0.94%	0.082%
85	23.554	3514	3526	3527	rBV10	10229	24748	5.94%	0.518%
86	24.083	3615	3616	3620	rBV4	2414	2854	0.68%	0.060%
87	24.759	3721	3731	3743	rVB	139134	383097	91.88%	8.017%
88	24.982	3760	3769	3779	rBV3	69148	193177	46.33%	4.043%
89	25.205	3805	3807	3808	rBV2	1982	1700	0.41%	0.036%
90	25.528	3860	3862	3863	rBV2	1935	1141	0.27%	0.024%
91	26.110	3957	3961	3967	rVB6	6073	11913	2.86%	0.249%
92	26.233	3979	3982	3983	rBV3	2506	3158	0.76%	0.066%
93	26.633	4048	4050	4054	rBV5	1973	1501	0.36%	0.031%
94	27.308	4163	4165	4167	rBV2	2096	1915	0.46%	0.040%
95	27.567	4207	4209	4210	rBV2	3178	2396	0.57%	0.050%
96	28.936	4440	4442	4444	rBV2	1754	1482	0.36%	0.031%
97	30.005	4622	4624	4625	rBV2	1640	1429	0.34%	0.030%
98	30.787	4753	4757	4758	rBV3	1664	2152	0.52%	0.045%
99	31.921	4948	4950	4951	rBV	2334	1447	0.35%	0.030%
100	32.602	5064	5066	5067	rBV2	1588	1287	0.31%	0.027%

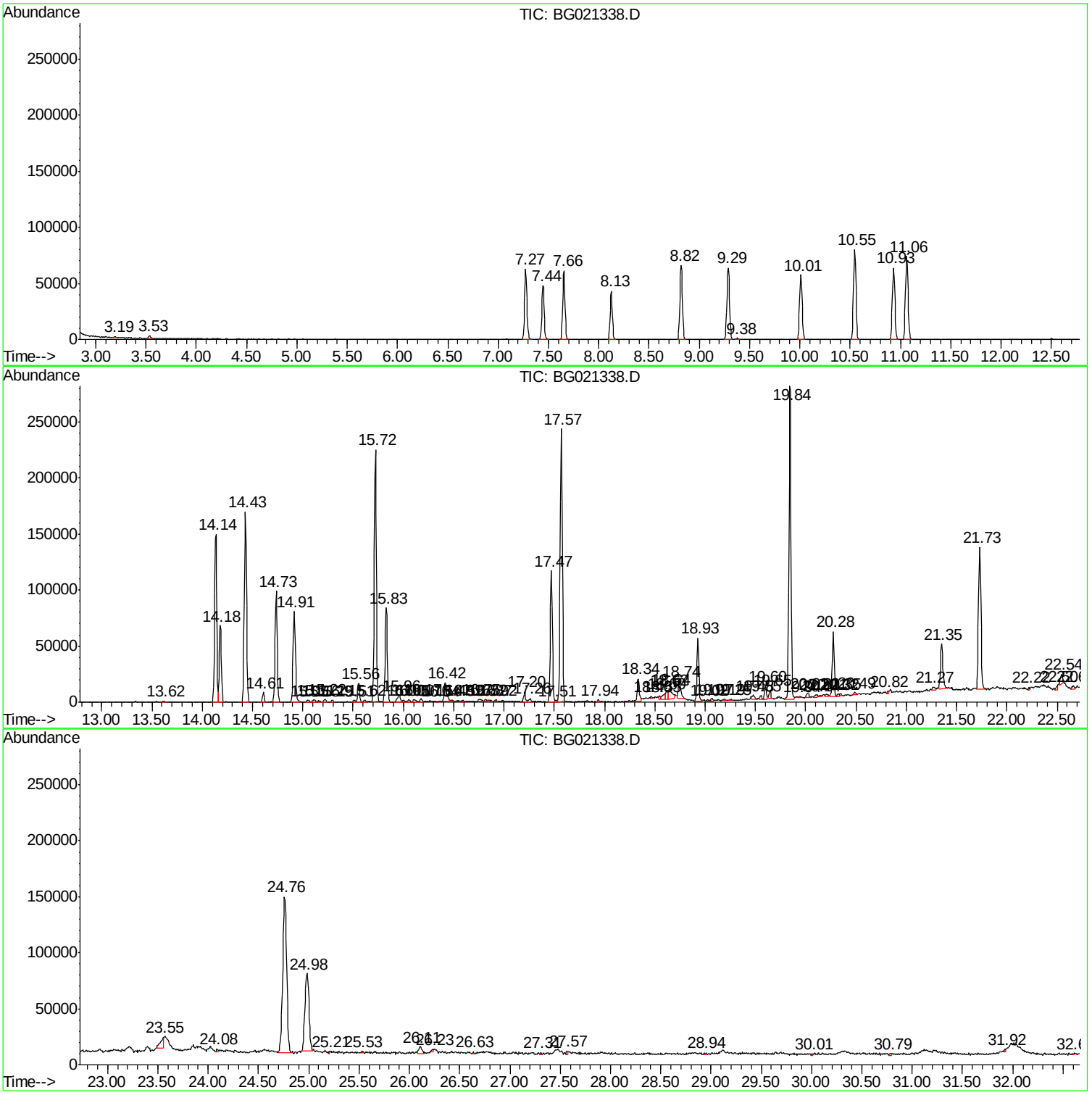
Sum of corrected areas: 4778323

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

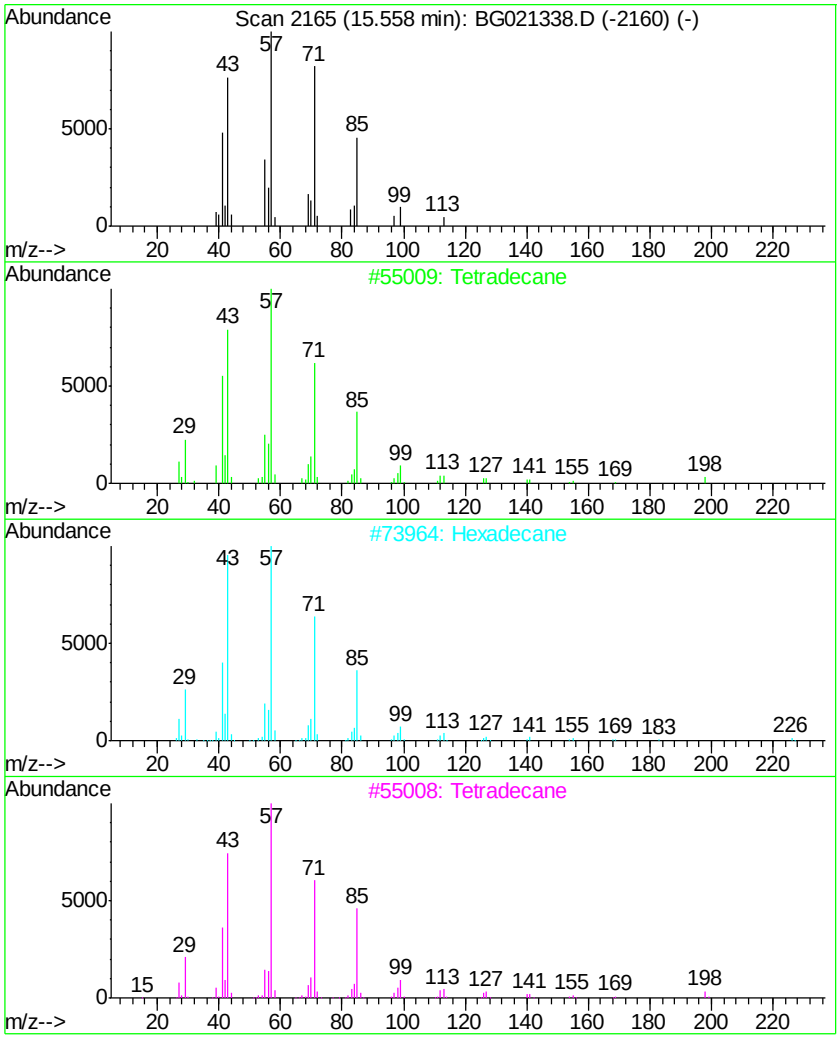
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

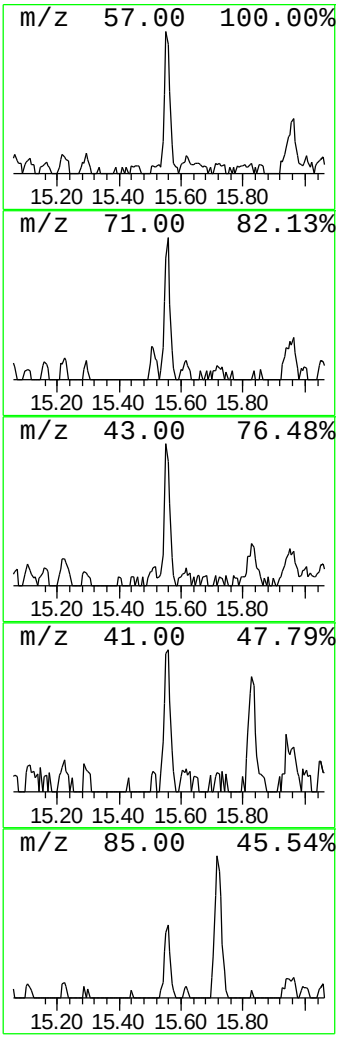
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	2.82 ng/ul	21249	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Hexadecane	226	C16H34	000544-76-3	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	78
5	Hexadecane	226	C16H34	000544-76-3	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

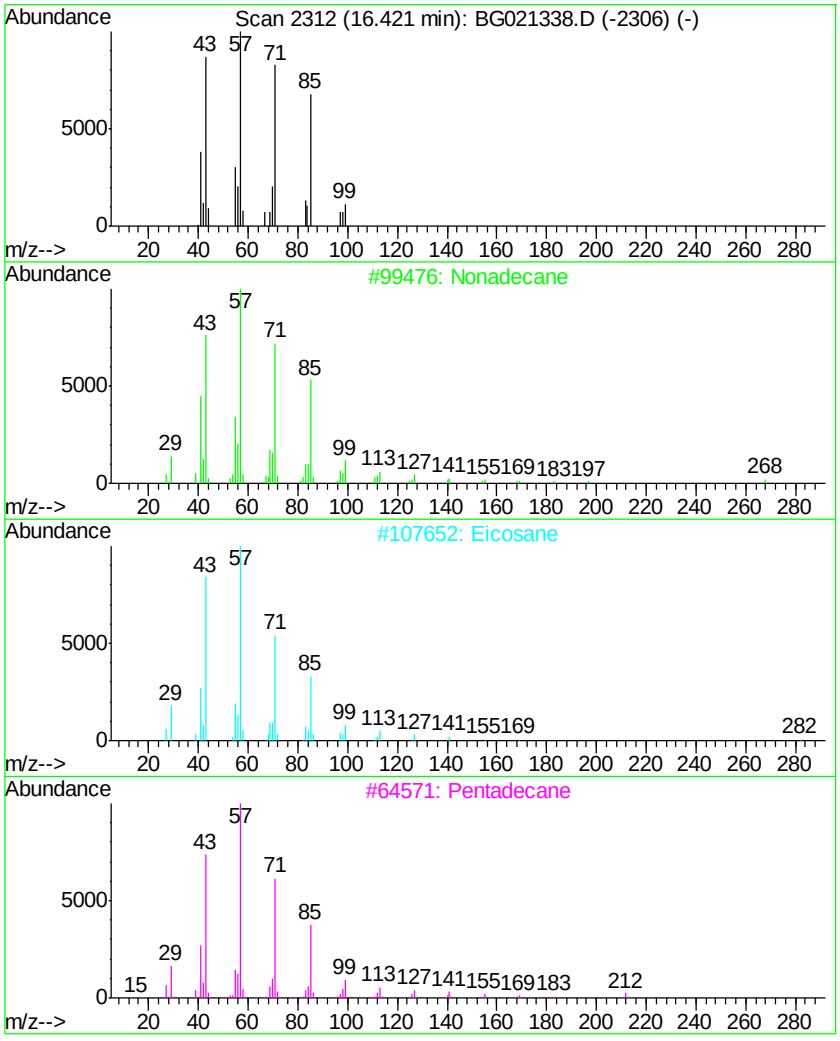
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

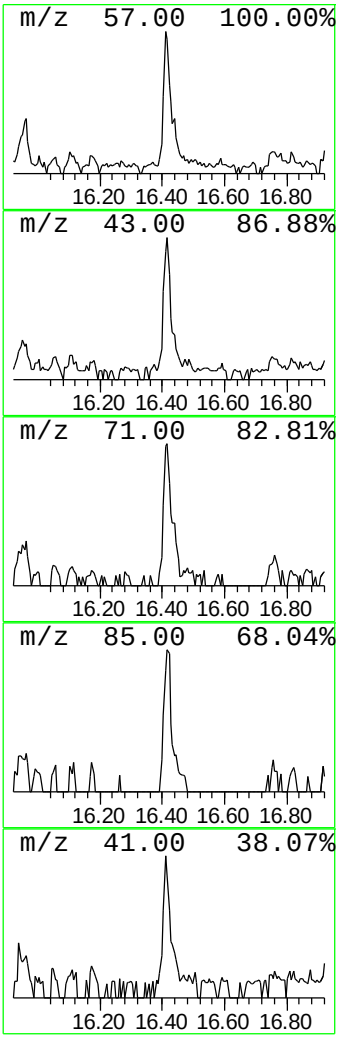
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.27 ng/ul	30256	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tetradecane	198	C14H30	000629-59-4	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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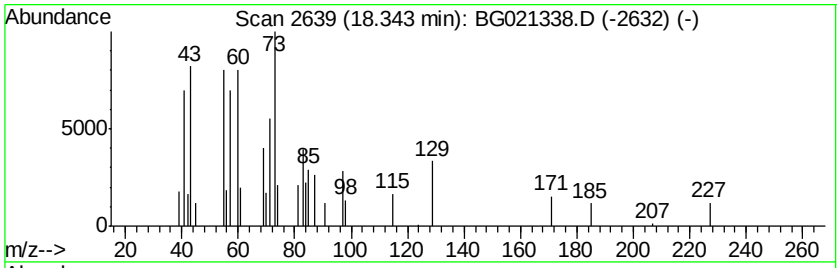
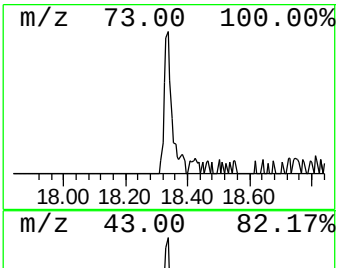
Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.10 ng/ul	28693	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	n-Decanoic acid	172	C10H20O2	000334-48-5	59
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

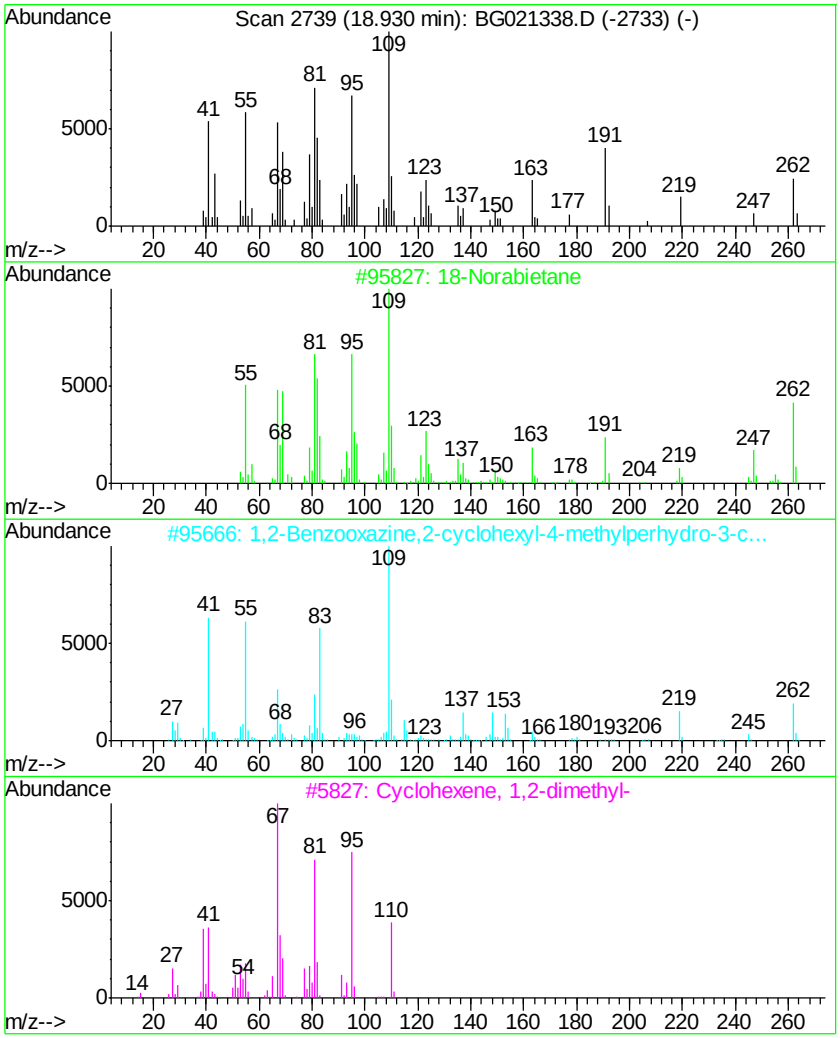
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

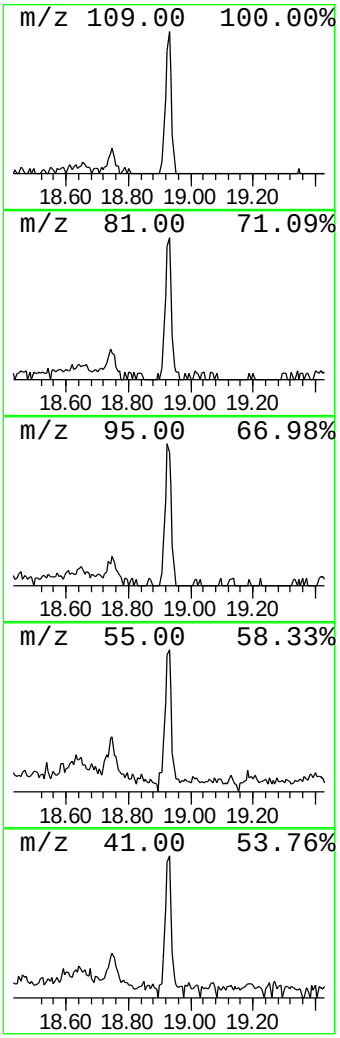
****

Peak Number 6 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	8.54 ng/ul	78897	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	25
4	Benzenamine, 3-ethoxy-	137	C8H11NO	000621-33-0	18
5	Cyclooctene, 3-(2-propenyl)-	150	C11H18	061141-59-1	18





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

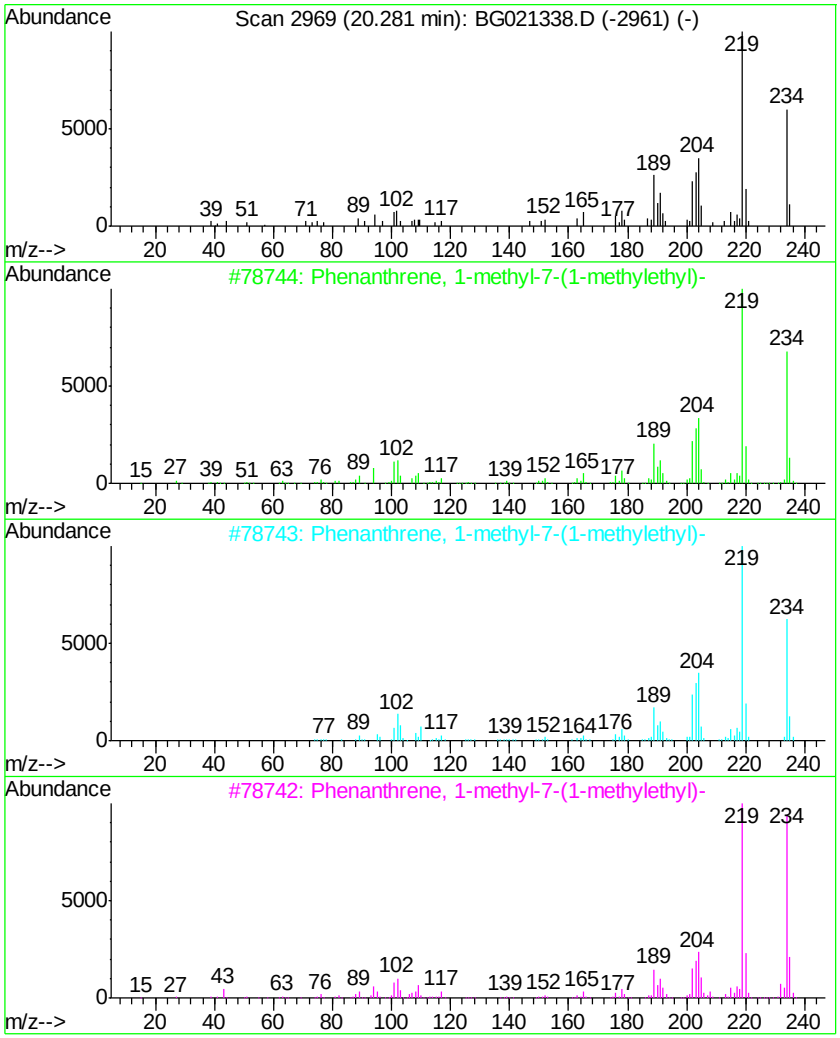
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

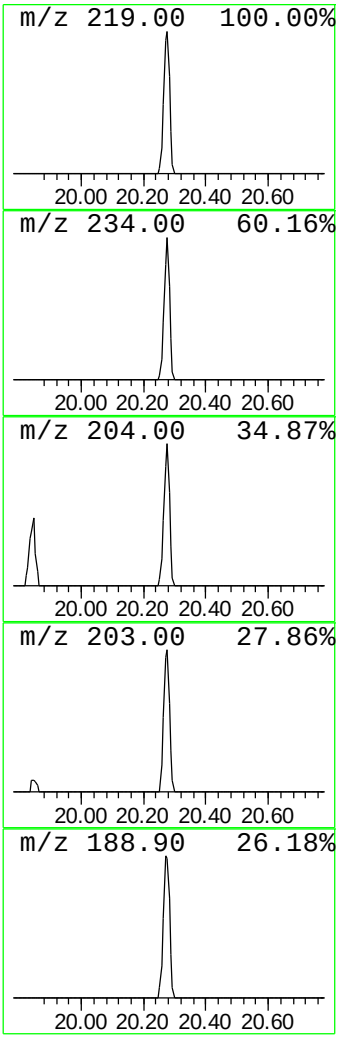
****

Peak Number 7 Phenanthrene, 1-methyl-7-(1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	7.16 ng/ul	77167	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	98
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	98
3	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	94
4	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
5	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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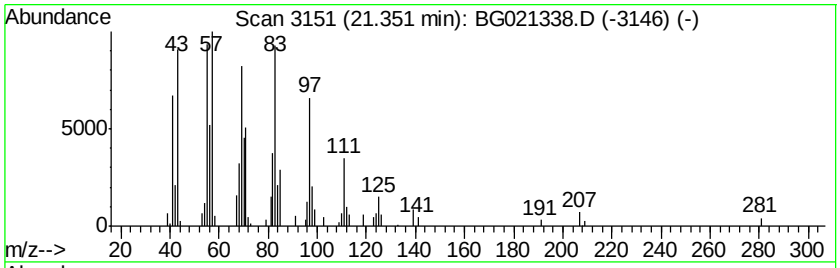
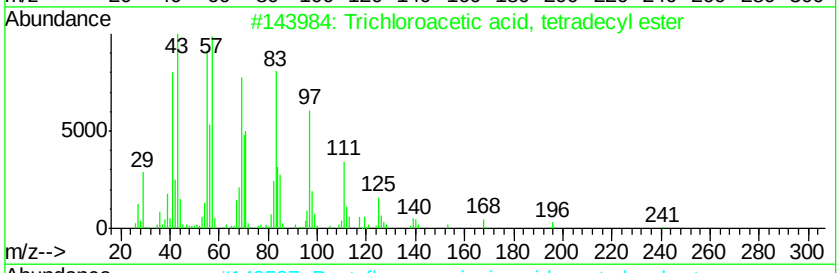
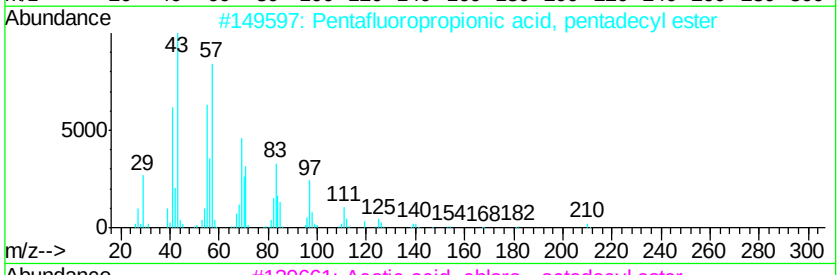
Peak Number 8 Trichloroacetic acid, tetra... Concentration Rank 3

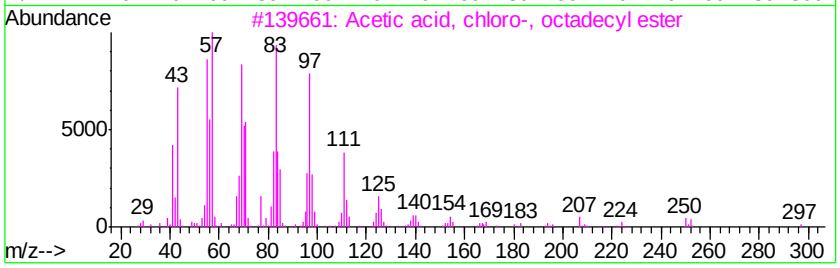
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	5.86 ng/ul	63119	Chrysene-d12	21.73

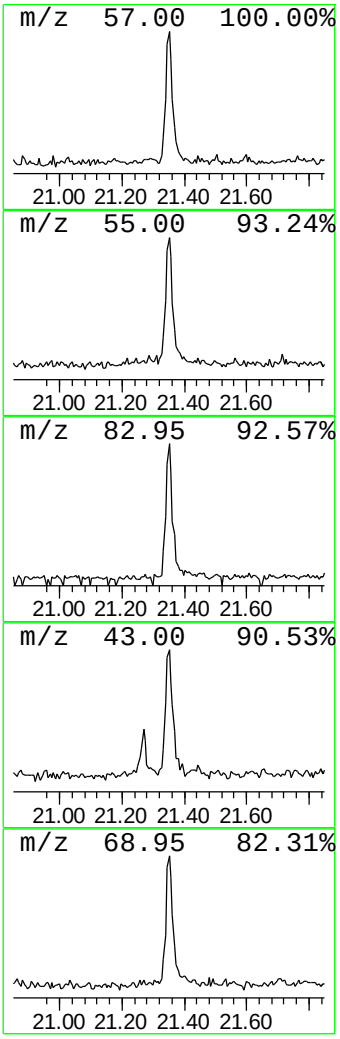
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	1000280-07-5	91
3	Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	91
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	90
5	1-Hexadecanol	242	C16H34O	036653-82-4	87











Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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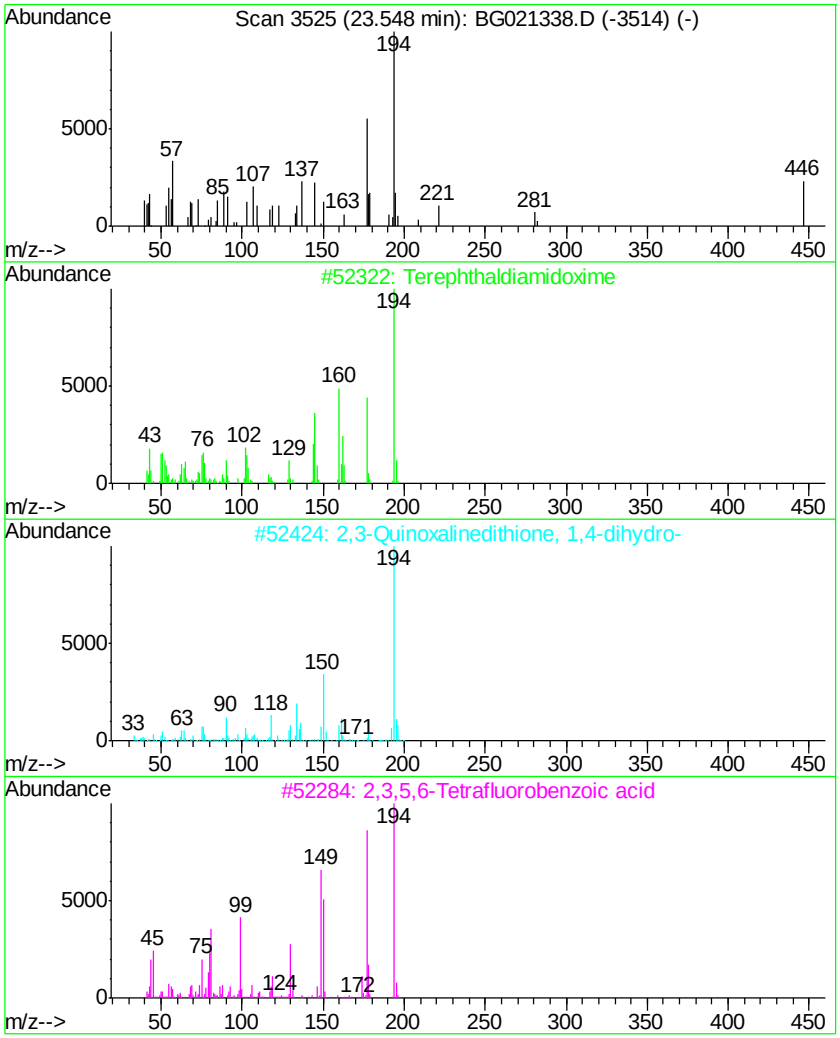
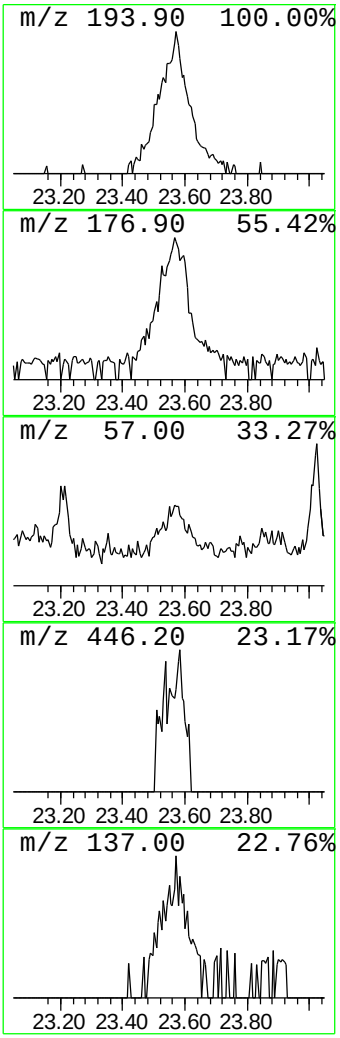
Peak Number 9 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.55	2.56 ng/ul	24748	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terephthaldiamidoxime	194	C8H10N4O2	006051-62-3	38
2	2,3-Quinoxalinedithione, 1,4-dih...	194	C8H6N2S2	001199-03-7	38
3	2,3,5,6-Tetrafluorobenzoic acid	194	C7H2F4O2	000652-18-6	37
4	1H-Indole, 2-(3-pyridinyl)-	194	C13H10N2	015432-24-3	35
5	Benzene, 1-methyl-3-(2-phenyleth...	194	C15H14	014064-48-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030716\
Data File : BG021338.D
Acq On : 7 Mar 2016 14:04
Operator : UM/SJ
Sample : H1625-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHFF2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.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: Str...	15.56	2.8	ng/ul	21249	3	14.73	150690	20.0
(DEL) Alkane: Str...	16.42	3.3	ng/ul	30256	4	17.47	184831	20.0
n-Hexadecanoic acid	18.34	3.1	ng/ul	28693	4	17.47	184831	20.0
18-Norabietane	18.93	8.5	ng/ul	78897	4	17.47	184831	20.0
Phenanthrene, 1-m...	20.28	7.2	ng/ul	77167	5	21.73	215567	20.0
Trichloroacetic a...	21.35	5.9	ng/ul	63119	5	21.73	215567	20.0
unknown-01	23.55	2.6	ng/ul	24748	6	24.98	193177	20.0