LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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	3.127	44	49	57	rBV	24875	42699	5.38%	0.326%
2	3.203	58	62	69	rVB	14796	20247	2.55%	0.155%
3	5.600	467	470	473	rBV2	802	1152	0.15%	0.009%
4	7.234	741	748	762	rVB3	129014	270996	34.12%	2.068%
5	7.416	773	779	786	rBV	48775	77743	9.79%	0.593%
6	7.627	809	815	825	rBV2	64296	119677	15.07%	0.913%
7	8.097	887	895	902	rBV	74574	125943	15.86%	0.961%
8	8.796	1007	1014	1021	rBV	90727	152841	19.25%	1.166%
9	8.849	1021	1023	1029	rVB3	2448	3703	0.47%	0.028%
10	9.266	1087	1094	1108	rVB	66816	122234	15.39%	0.933%
11	9.484	1128	1131	1134	rBV2	777	1020	0.13%	0.008%
12	9.666	1158	1162	1167	rVB3	2524	3758	0.47%	0.029%
13	9.713	1167	1170	1176	rBV4	636	1150	0.14%	0.009%
14	9.989	1210	1217	1219	rBV2	57803	94219	11.86%	0.719%
15	10.019	1220	1222	1230	rVB	79868	120700	15.20%	0.921%
16	10.530	1302	1309	1317	rBV	94829	166035	20.91%	1.267%
17	10.917	1366	1375	1380	rBV	118733	209586	26.39%	1.599%
18	10.964	1380	1383	1390	rVV	32531	52017	6.55%	0.397%
19	11.047	1390	1397	1408	rVB	79601	141816	17.86%	1.082%
20	11.246	1425	1431	1438	rBV	63815	106025	13.35%	0.809%
21	11.528	1475	1479	1484	rVB2	664	1341	0.17%	0.010%
22	11.564	1484	1485	1490	rBV3	832	1232	0.16%	0.009%
23	12.175	1583	1589	1597	rVB	62294	99913	12.58%	0.762%
24	12.492	1640	1643	1646	rBV3	1178	1810	0.23%	0.014%
25	12.780	1686	1692	1698	rBV	89236	143236	18.04%	1.093%
26	12.927	1709	1717	1723	rVB	40850	62599	7.88%	0.478%
27	13.086	1740	1744	1747	rBV3	783	1260	0.16%	0.010%
28	13.162	1751	1757	1762	rBV	78551	122794	15.46%	0.937%
29	13.332	1783	1786	1792	rBV3	1245	2077	0.26%	0.016%
30	13.561	1818	1825	1836	rVB	183911	286328	36.05%	2.185%
31	14.125	1915	1921	1925	rBV	216932	310480	39.10%	2.369%
32	14.172	1925	1929	1936	rVV	231055	331272	41.71%	2.528%
33	14.231	1936	1939	1944	rVB2	1948	2322	0.29%	0.018%
34	14.296	1944	1950	1956	rBV	76708	110415	13.90%	0.843%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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	14.372	1959	1963	1965	rBV3	3904	4058	0.51%	0.031%
36	14.425	1965	1972	1979	rVB	222892	346435	43.62%	2.644%
37	14.607	1998	2003	2012	rVB	21309	28395	3.58%	0.217%
38	14.690	2012	2017	2018	rBV2	2092	3549	0.45%	0.027%
39	14.731	2018	2024	2031	rVB2	209509	332346	41.85%	2.536%
40	14.919	2045	2056	2065	rBV3	188958	387047	48.74%	2.954%
41	15.054	2074	2079	2084	rBV7	3424	7856	0.99%	0.060%
42	15.124	2084	2091	2096	rBV	81304	127345	16.04%	0.972%
43	15.224	2104	2108	2115	rVB5	4727	8981	1.13%	0.069%
44	15.295	2115	2120	2124	rBV3	3654	5405	0.68%	0.041%
45	15.342	2126	2128	2134	rVB5	2118	2870	0.36%	0.022%
46	15.389	2134	2136	2137	rBV	1474	1158	0.15%	0.009%
47	15.518	2153	2158	2159	rBV4	1691	2806	0.35%	0.021%
48	15.553	2159	2164	2169	rVB	32114	42415	5.34%	0.324%
49	15.718	2186	2192	2198	rVB	326404	479144	60.33%	3.656%
50	15.829	2204	2211	2220	rVB2	104079	203896	25.67%	1.556%
51	15.964	2226	2234	2244	rBV5	13280	34353	4.33%	0.262%
52	16.053	2246	2249	2255	rVB4	3707	5308	0.67%	0.041%
53	16.111	2255	2259	2261	rBV2	4030	4879	0.61%	0.037%
54	16.182	2266	2271	2277	rVB3	5873	8918	1.12%	0.068%
55	16.305	2287	2292	2296	rVB6	2592	5205	0.66%	0.040%
56	16.417	2307	2311	2324	rBV	32735	56184	7.07%	0.429%
57	16.540	2330	2332	2335	rVB3	4481	4261	0.54%	0.033%
58	16.599	2337	2342	2348	rVB4	6167	11487	1.45%	0.088%
59	16.664	2349	2353	2356	rBV4	4349	5324	0.67%	0.041%
60	16.769	2365	2371	2377	rBV	73169	116028	14.61%	0.885%
61	16.863	2382	2387	2393	rVB6	4430	9181	1.16%	0.070%
62	16.928	2394	2398	2402	rBV	6595	8954	1.13%	0.068%
63	16.993	2406	2409	2414	rVB3	5004	6724	0.85%	0.051%
64	17.116	2425	2430	2439	rVB2	121459	174727	22.00%	1.333%
65	17.210	2442	2446	2450	rBV2	13207	18527	2.33%	0.141%
66	17.469	2484	2490	2494	rBV	273238	433168	54.55%	3.306%
67	17.516	2494	2498	2502	rVV	317040	473128	59.58%	3.611%
68	17.568	2502	2507	2511	rVV	403011	633707	79.80%	4.836%
69	17.604	2511	2513	2519	rVV	140221	167179	21.05%	1.276%
70	17.704	2523	2530	2533	rBV6	3459	6411	0.81%	0.049%
71	17.756	2537	2539	2542	rVB3	2926	3106	0.39%	0.024%

LSC Area Percent Report

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Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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	17.798	2542	2546	2550	rBV4	11939	15218	1.92%	0.116%
73	17.833	2550	2552	2554	rBV3	1458	1100	0.14%	0.008%
74	18.050	2586	2589	2595	rVB5	4559	6425	0.81%	0.049%
75	18.121	2596	2601	2606	rVB6	6062	9205	1.16%	0.070%
76	18.215	2615	2617	2621	rBV4	2163	2559	0.32%	0.020%
77	18.285	2625	2629	2634	rBV2	20388	29058	3.66%	0.222%
78	18.338	2634	2638	2643	rVV3	15953	25673	3.23%	0.196%
79	18.420	2647	2652	2661	rVB	209343	256074	32.25%	1.954%
80	18.556	2672	2675	2679	rVB5	6451	6877	0.87%	0.052%
81	18.638	2686	2689	2692	rBV3	3479	5645	0.71%	0.043%
82	18.679	2693	2696	2699	rVB5	9069	11129	1.40%	0.085%
83	18.879	2727	2730	2733	rBV5	5412	7119	0.90%	0.054%
84	19.196	2780	2784	2791	rBV9	10414	24192	3.05%	0.185%
85	19.513	2833	2838	2846	rVB	322864	465637	58.63%	3.553%
86	19.613	2852	2855	2864	rVB9	17262	27712	3.49%	0.211%
87	19.848	2889	2895	2898	rBV	506898	794146	100.00%	6.060%
88	19.878	2898	2900	2906	rVB	372249	436736	54.99%	3.333%
89	21.364	3149	3153	3165	rBV	53906	91876	11.57%	0.701%
90	21.617	3191	3196	3202	rVB	279309	375329	47.26%	2.864%
91	21.740	3211	3217	3221	rBV	291090	481404	60.62%	3.674%
92	21.787	3221	3225	3232	rVB	262648	424797	53.49%	3.242%
93	23.438	3502	3506	3517	rVB2	32988	67891	8.55%	0.518%
94	24.061	3608	3612	3620	rVB4	12152	24824	3.13%	0.189%
95	24.789	3725	3736	3742	rBV	263296	717466	90.34%	5.475%
96	24.860	3743	3748	3760	rVB	136935	335099	42.20%	2.557%
97	25.013	3765	3774	3787	rVB	168746	473784	59.66%	3.616%
98	26.176	3966	3972	3983	rVB8	13600	41184	5.19%	0.314%
99	28.732	4396	4407	4408	rBV	85623	205545	25.88%	1.569%
100	30.271	4656	4669	4685	rVB4	57043	259172	32.64%	1.978%

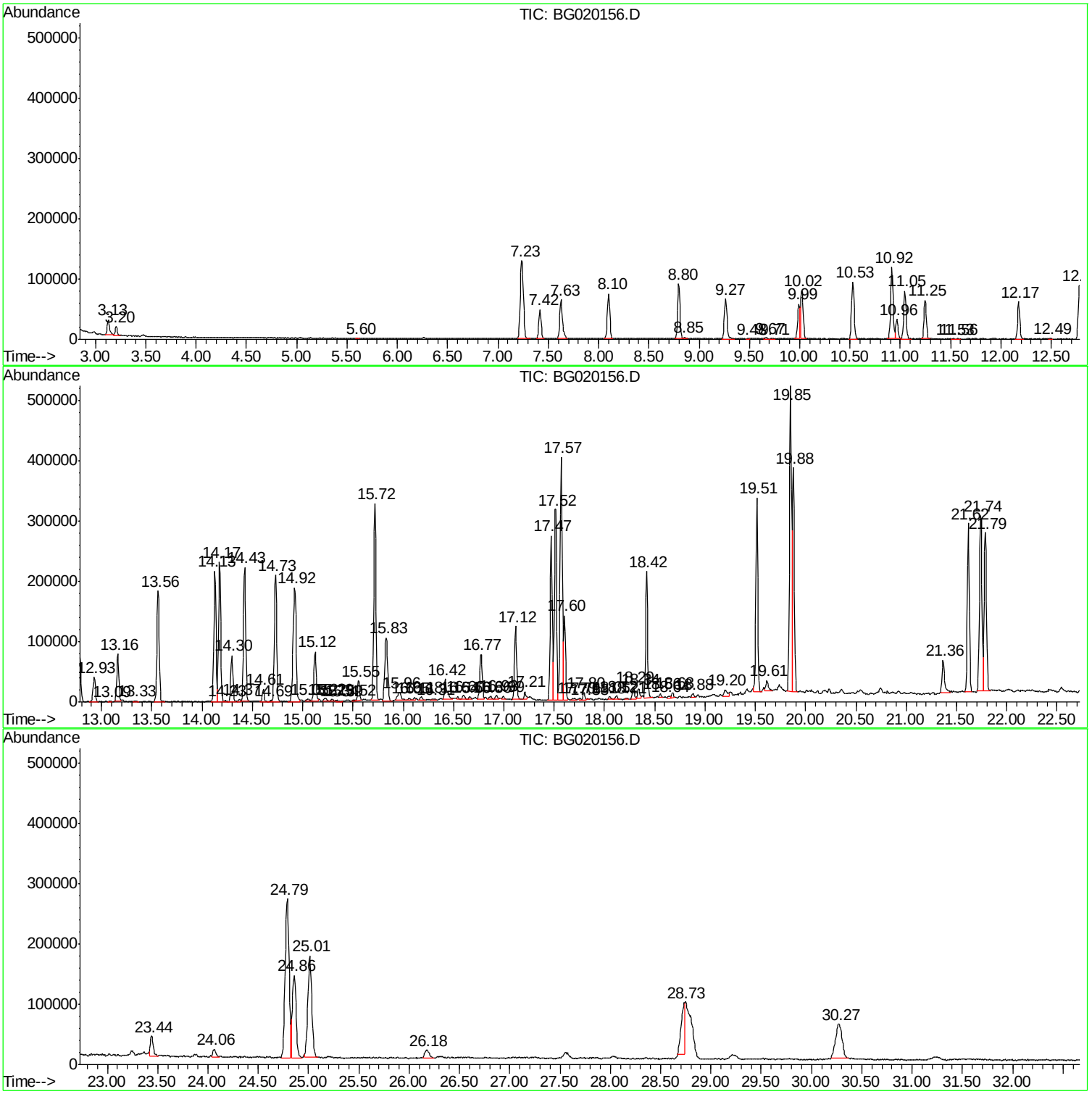
Sum of corrected areas: 13103981

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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 : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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

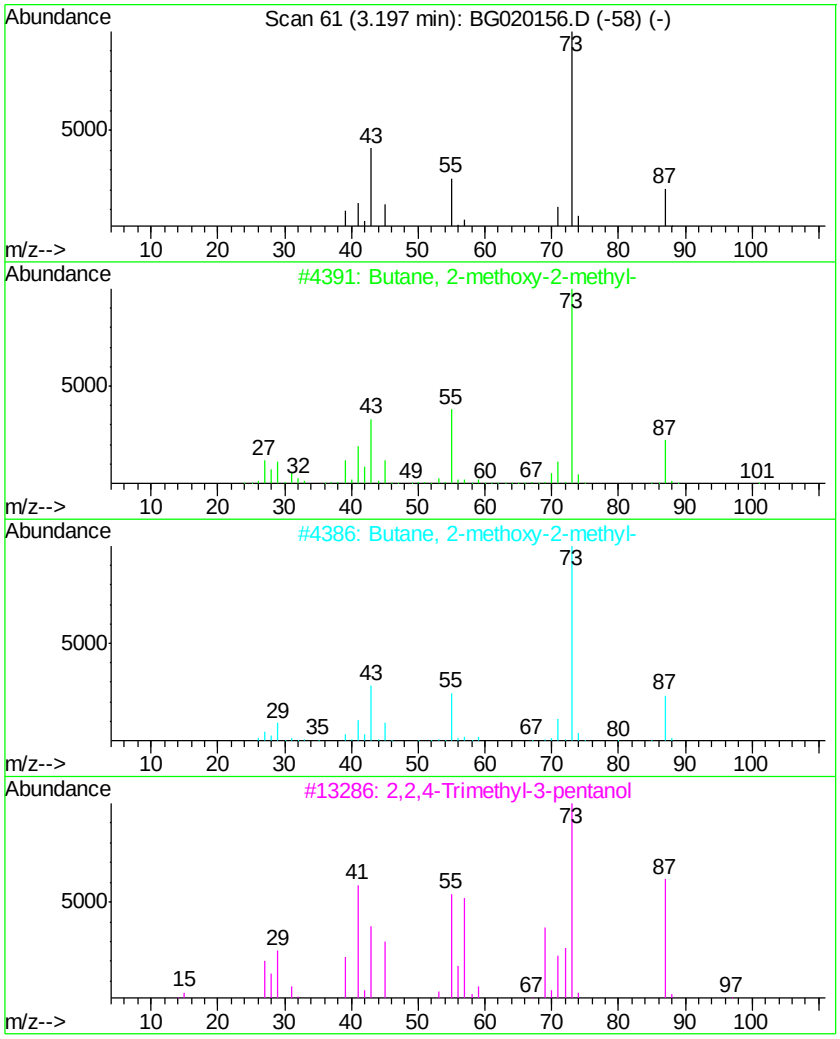
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

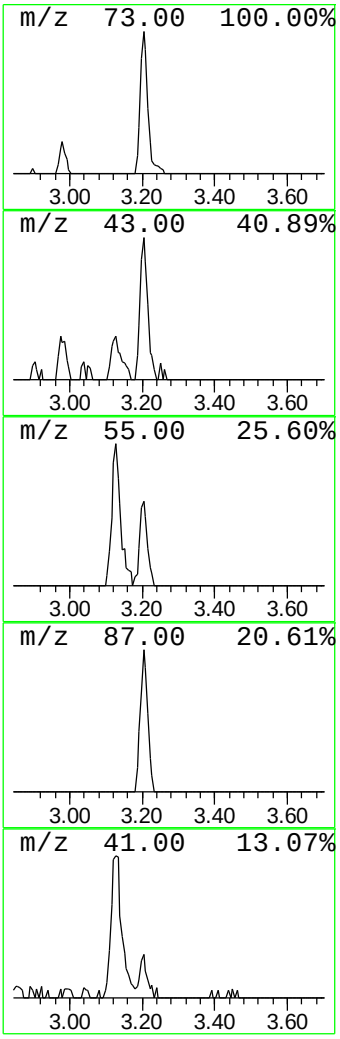
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	3.22 ng/ul	20247	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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

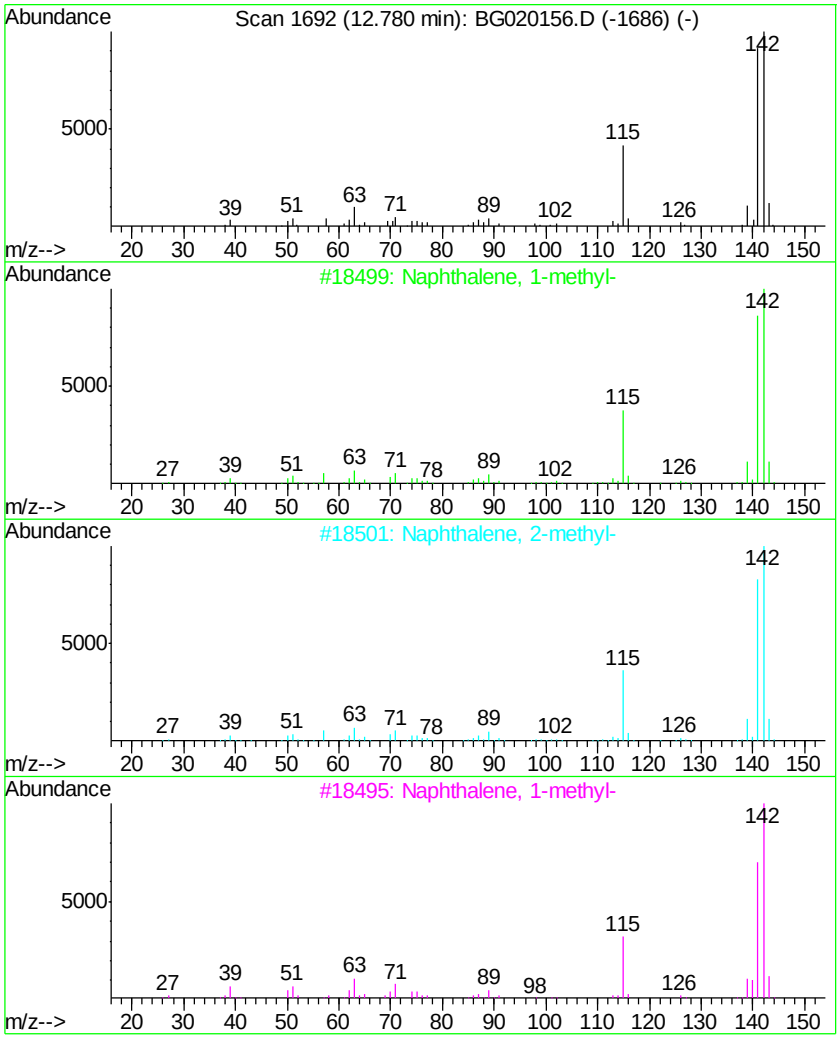
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

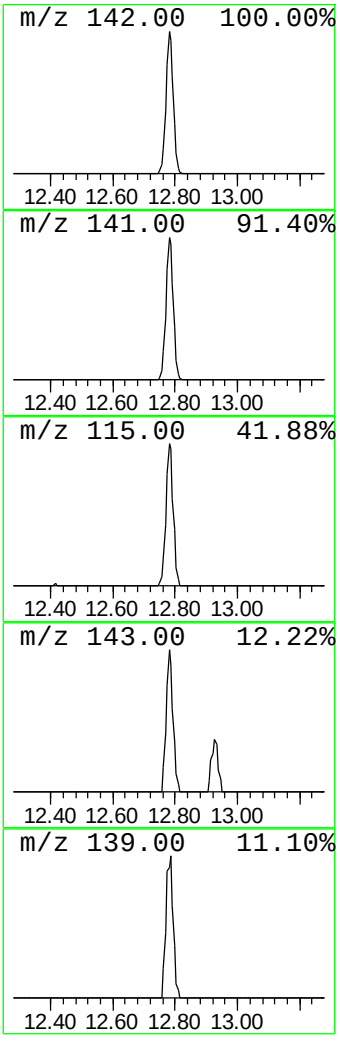
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	13.67 ng/ul	143236	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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

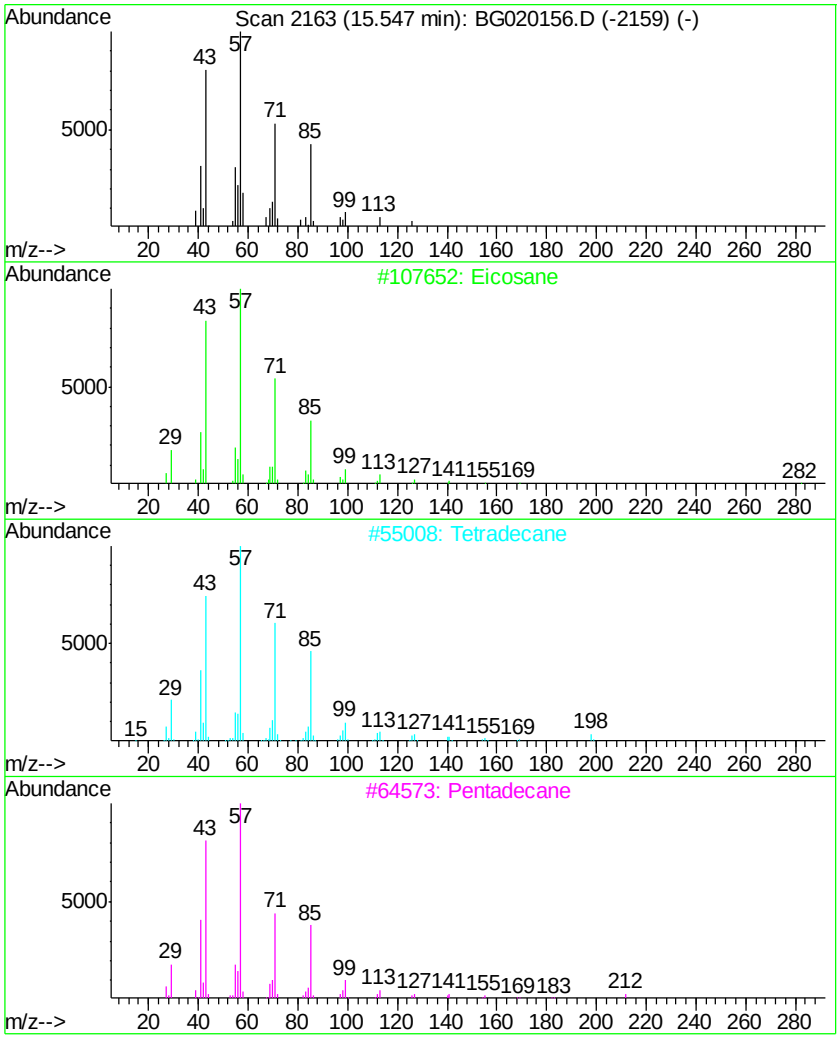
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

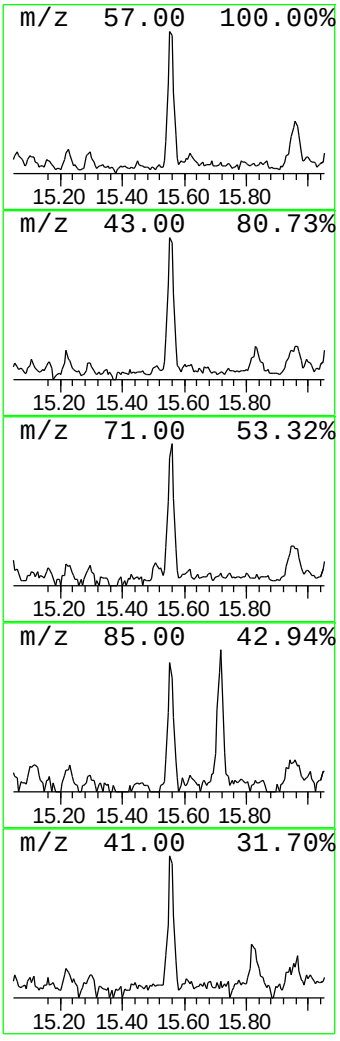
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.55 ng/ul	42415	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetradecane	198	C14H30	000629-59-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Hexadecane	226	C16H34	000544-76-3	78
5	Pentadecane	212	C15H32	000629-62-9	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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

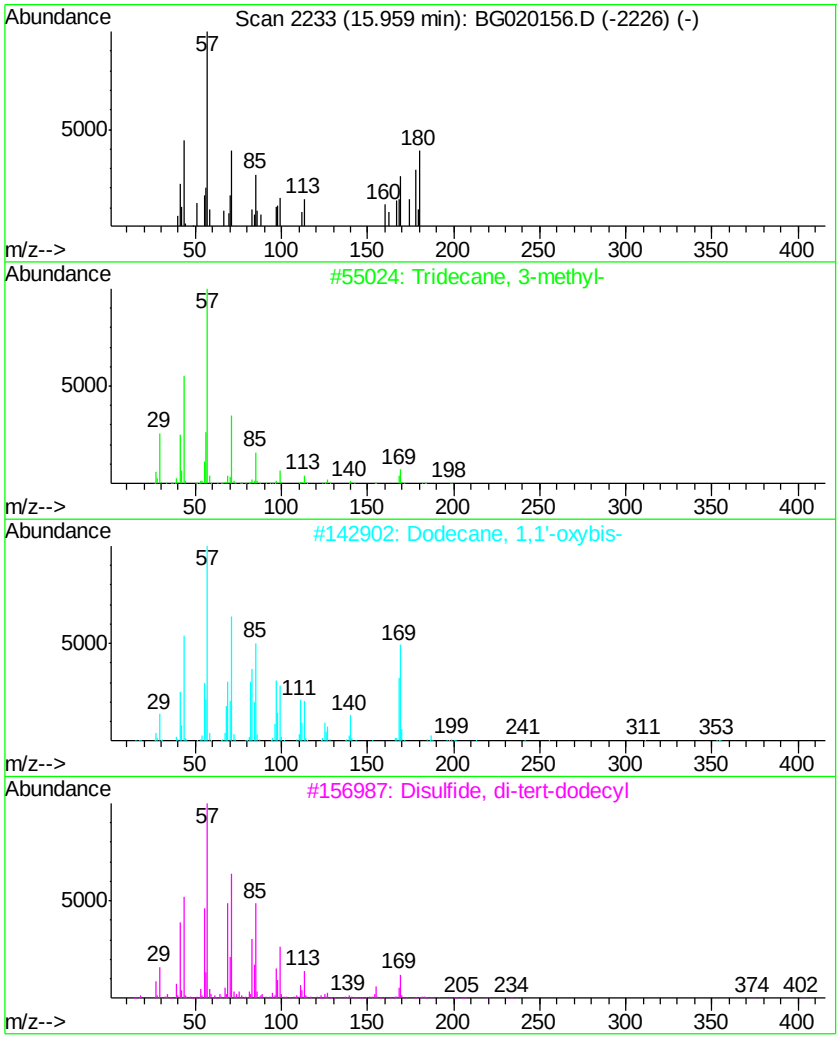
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

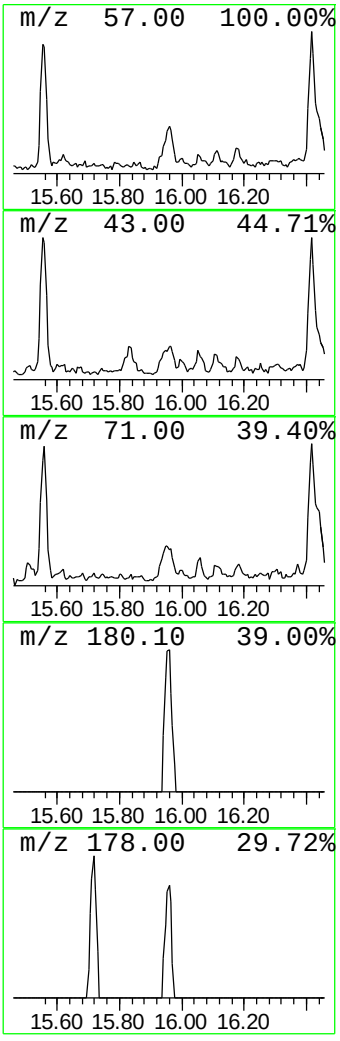
****

Peak Number 5 Tridecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.07 ng/ul	34353	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
2	Dodecane, 1,1'-oxybis-	354	C24H50O	004542-57-8	50
3	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	43
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	43
5	Hydrazinecarboxamide, N,N-diphenyl-	227	C13H13N3O	000603-51-0	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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

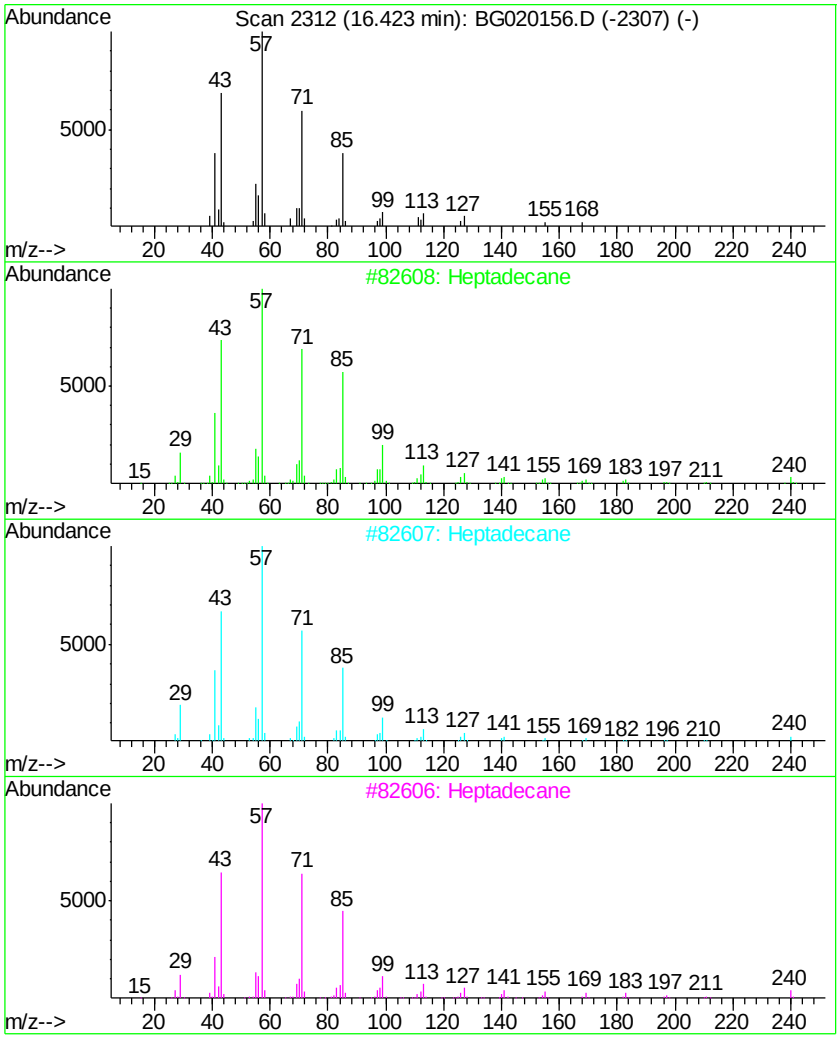
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

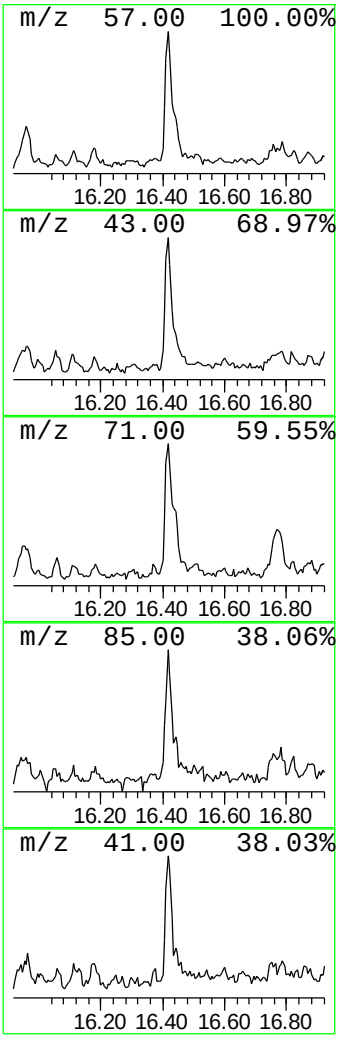
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	2.59 ng/ul	56184	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane	240	C17H36	000629-78-7	96
3	Heptadecane	240	C17H36	000629-78-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Tetradecane	198	C14H30	000629-59-4	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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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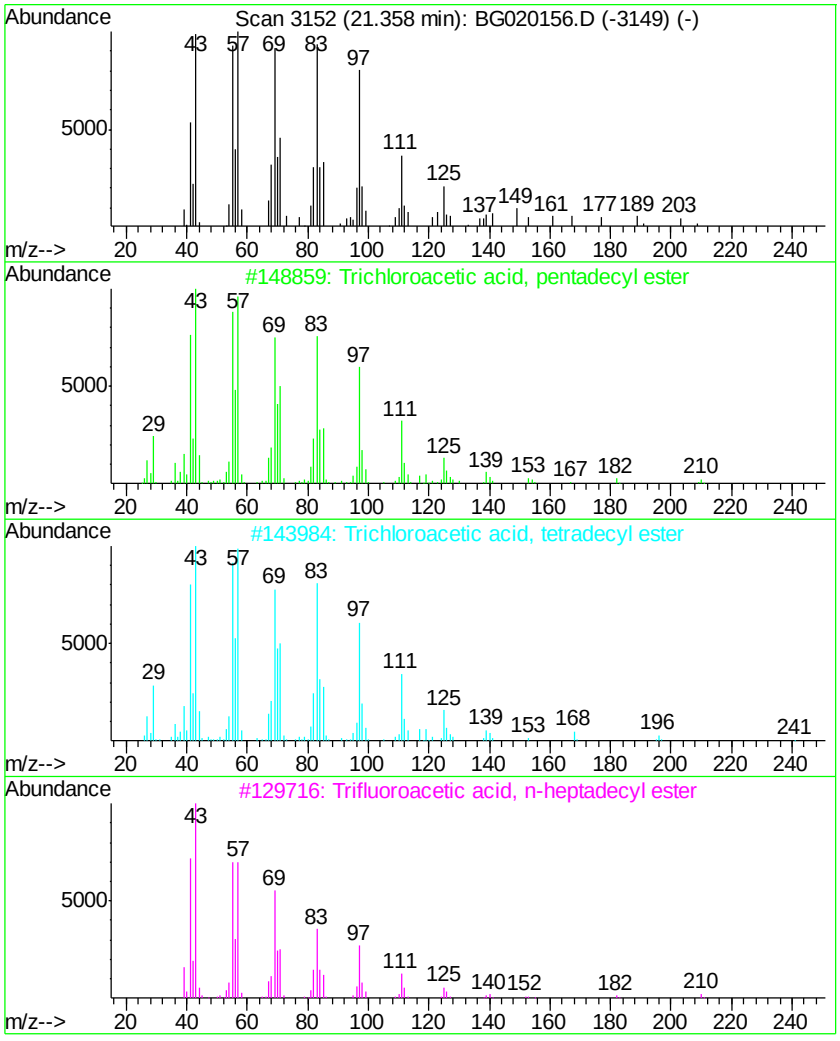
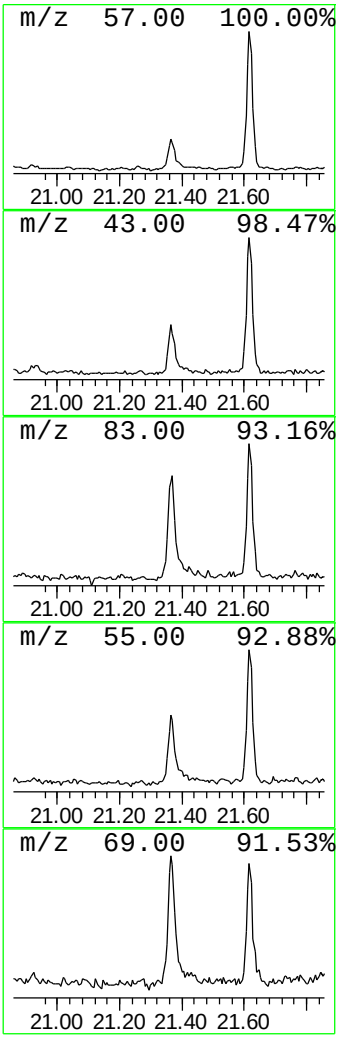
Peak Number 7 Trichloroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	3.82 ng/ul	91876	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
2	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
3	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
4	Acetic acid, trifluoro-, tetrade...	310	C16H29F3O2	006222-02-2	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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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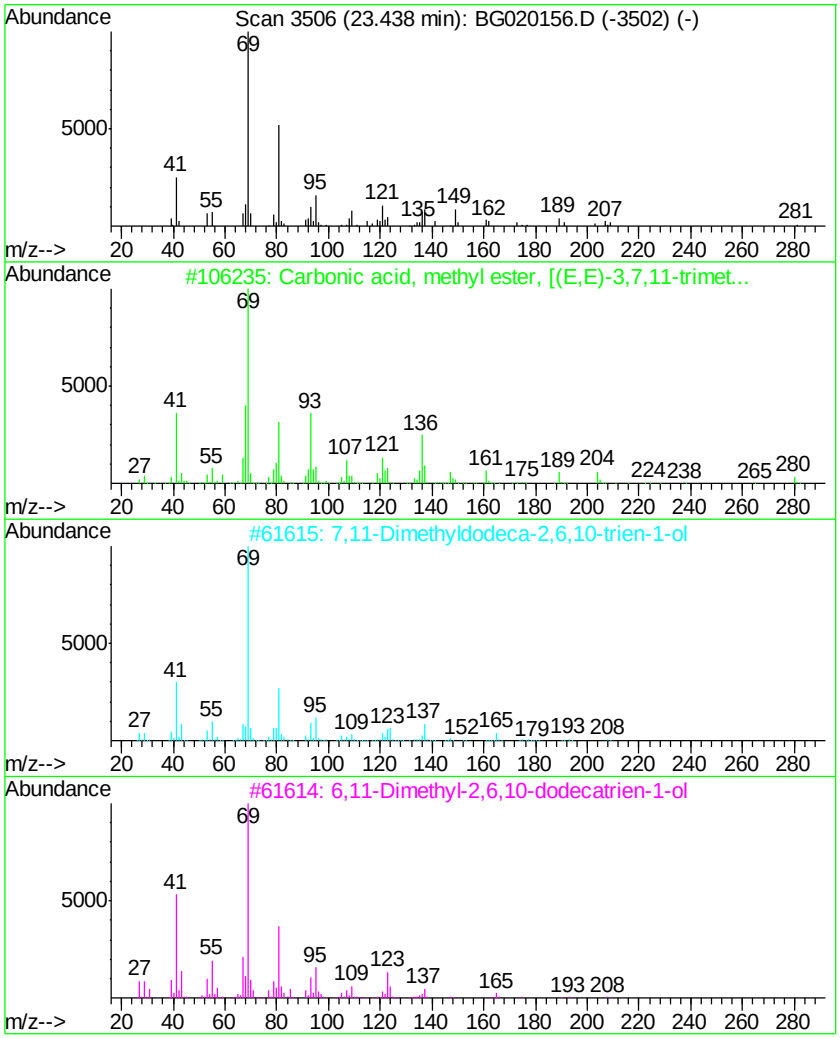
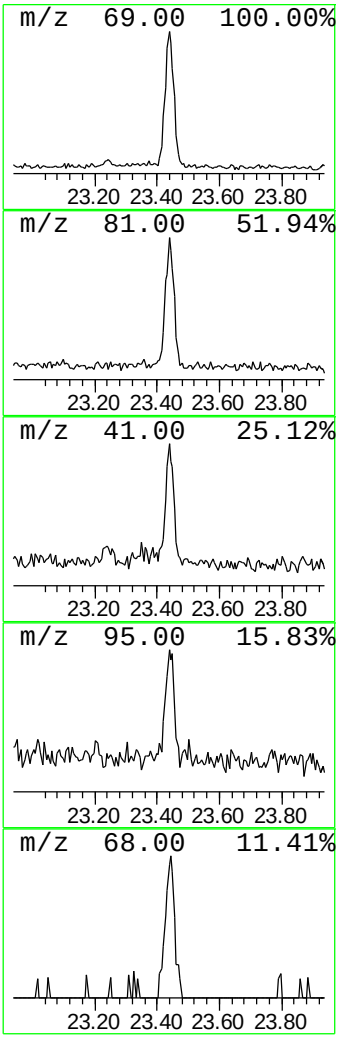
Peak Number 8 Carbonic acid, methyl ester... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	2.87 ng/ul	67891	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, methyl ester, [(E...	280	C17H28O3	1000164-38-7	72
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
3	6,11-Dimethyl-2,6,10-dodecatrien...	208	C14H24O	1000196-53-3	53
4	Squalene	410	C30H50	007683-64-9	50
5	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	035665-90-8	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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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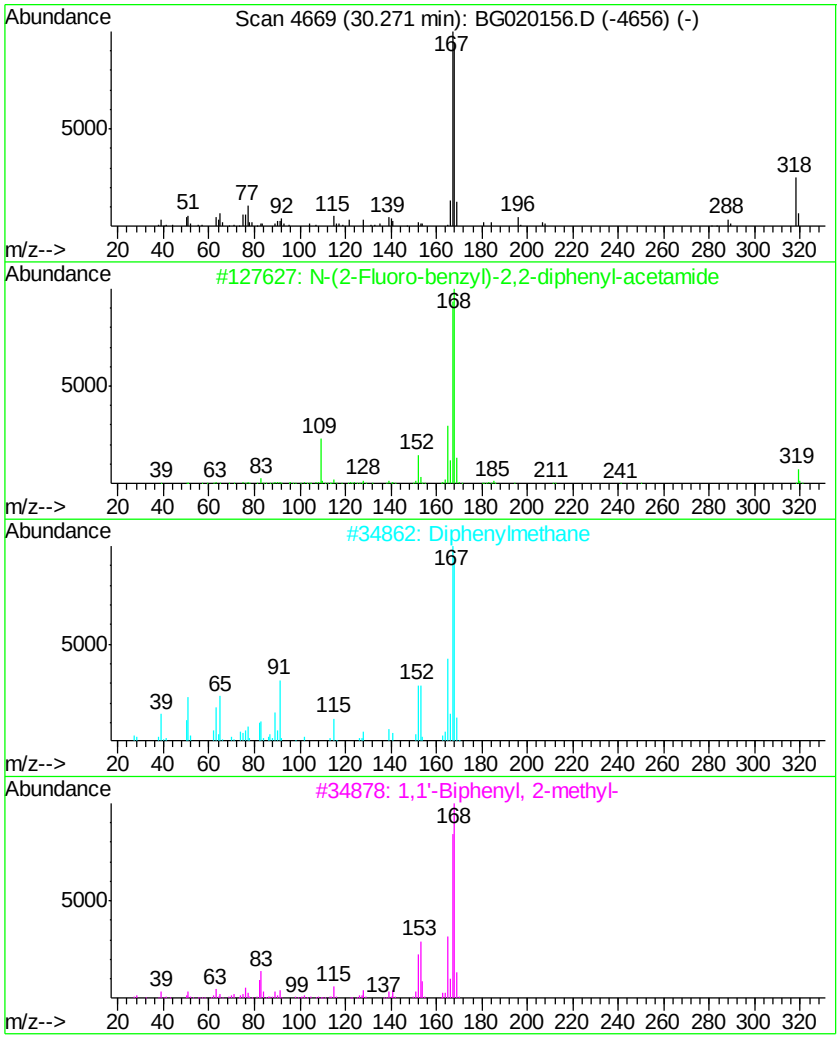
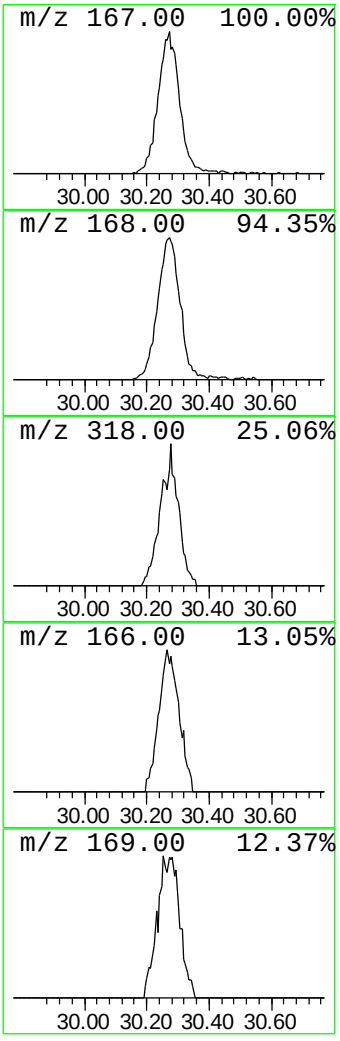
Peak Number 9 N-(2-Fluoro-benzyl)-2,2-dip... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.27	10.94 ng/ul	259172	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Fluoro-benzyl)-2,2-diphenyl...	319	C21H18FNO	329920-78-7	80
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	1-Hydroxyphosphindoline 1-oxide	168	C8H9O2P	052427-49-3	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020156.D
Acq On : 14 Dec 2015 15:40
Operator : UM/SJ
Sample : G4767-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N25

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	3.2	ng/ul	20247	1	8.10	125943	20.0
Naphthalene, 1-me...	12.78	13.7	ng/ul	143236	2	10.92	209586	20.0
(DEL) Alkane: Str...	15.55	2.5	ng/ul	42415	3	14.73	332346	20.0
Tridecane, 3-methyl-	15.96	2.1	ng/ul	34353	3	14.73	332346	20.0
(DEL) Alkane: Str...	16.42	2.6	ng/ul	56184	4	17.47	433168	20.0
Trichloroacetic a...	21.36	3.8	ng/ul	91876	5	21.74	481404	20.0
Carbonic acid, me...	23.44	2.9	ng/ul	67891	6	25.01	473784	20.0
N-(2-Fluoro-benzy...	30.27	10.9	ng/ul	259172	6	25.01	473784	20.0