LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

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-BG111615.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	3.032	28	33	42	rBV2	20188	40294	3.42%	0.312%
2	3.114	42	47	60	rVB	198766	297502	25.26%	2.302%
3	3.391	91	94	100	rBV3	5117	5976	0.51%	0.046%
4	7.262	744	753	765	rBV	119015	215957	18.34%	1.671%
5	7.427	774	781	789	rBB	87812	143212	12.16%	1.108%
6	7.638	810	817	829	rVB	109758	185988	15.79%	1.439%
7	8.109	891	897	904	rBB	79698	133485	11.34%	1.033%
8	8.819	1011	1018	1027	rVV	167158	274698	23.33%	2.126%
9	9.284	1089	1097	1105	rBV	124984	215005	18.26%	1.664%
10	9.407	1111	1118	1123	rBV	3600	5671	0.48%	0.044%
11	10.012	1215	1221	1229	rBB2	115341	199121	16.91%	1.541%
12	10.559	1307	1314	1325	rBB	179829	321153	27.27%	2.485%
13	10.941	1371	1379	1387	rBV	127708	221197	18.78%	1.712%
14	11.076	1395	1402	1412	rBV	124055	231605	19.67%	1.792%
15	13.109	1743	1748	1755	rVB2	7653	11554	0.98%	0.089%
16	13.349	1784	1789	1794	rBB2	14333	18783	1.60%	0.145%
17	13.555	1820	1824	1830	rBV3	4724	5838	0.50%	0.045%
18	14.149	1918	1925	1929	rVV	386038	555866	47.21%	4.302%
19	14.196	1929	1933	1939	rVB	261702	356699	30.29%	2.760%
20	14.254	1939	1943	1947	rVB2	3011	4800	0.41%	0.037%
21	14.378	1959	1964	1968	rBV3	3818	5707	0.48%	0.044%
22	14.448	1970	1976	1983	rVV	382519	589152	50.03%	4.559%
23	14.624	2000	2006	2011	rVB2	23891	31184	2.65%	0.241%
24	14.754	2022	2028	2038	rVB2	244372	398883	33.87%	3.087%
25	14.883	2046	2050	2053	rBV2	3323	4315	0.37%	0.033%
26	14.948	2053	2061	2065	rBV	175271	273575	23.23%	2.117%
27	15.000	2065	2070	2077	rVB	178005	271841	23.09%	2.104%
28	15.177	2097	2100	2106	rVB3	4921	6330	0.54%	0.049%
29	15.235	2106	2110	2116	rBV4	6466	11644	0.99%	0.090%
30	15.306	2118	2122	2128	rVB3	5257	8694	0.74%	0.067%
31	15.523	2154	2159	2162	rBV2	5819	8898	0.76%	0.069%
32	15.570	2162	2167	2172	rVV	36329	47819	4.06%	0.370%
33	15.629	2172	2177	2179	rVV3	3512	4752	0.40%	0.037%
34	15.741	2188	2196	2203	rVB	562777	835203	70.93%	6.463%

LSC Area Percent Report

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Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

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-BG111615.M
Title : SVOA CALIBRATION

35	15.858	2210	2216	2224	rVB	198462	288842	24.53%	2.235%
36	15.976	2229	2236	2240	rVV6	15317	29626	2.52%	0.229%
37	16.070	2249	2252	2257	rVB4	4000	6588	0.56%	0.051%
38	16.123	2257	2261	2265	rBV5	4829	7491	0.64%	0.058%
39	16.187	2269	2272	2277	rVB4	5196	6840	0.58%	0.053%
40	16.381	2301	2305	2307	rBV3	3560	4982	0.42%	0.039%
41	16.428	2309	2313	2323	rBV2	34069	58761	4.99%	0.455%
42	16.557	2330	2335	2339	rBV	6298	8518	0.72%	0.066%
43	16.616	2339	2345	2350	rVV7	7812	14751	1.25%	0.114%
44	16.681	2350	2356	2360	rVV8	7784	15092	1.28%	0.117%
45	16.728	2360	2364	2368	rVB5	3718	6339	0.54%	0.049%
46	16.775	2368	2372	2375	rBV3	6722	11568	0.98%	0.090%
47	16.828	2378	2381	2385	rVB4	3723	5649	0.48%	0.044%
48	16.886	2385	2391	2395	rVB6	7704	15770	1.34%	0.122%
49	16.945	2395	2401	2406	rBV4	8782	14174	1.20%	0.110%
50	17.010	2406	2412	2420	rBV9	3451	9327	0.79%	0.072%
51	17.221	2443	2448	2452	rVV	19089	23104	1.96%	0.179%
52	17.274	2454	2457	2461	rVV5	5651	8940	0.76%	0.069%
53	17.498	2489	2495	2500	rBV	355052	538289	45.71%	4.166%
54	17.550	2502	2504	2506	rVV2	5002	5905	0.50%	0.046%
55	17.597	2506	2512	2519	rVV	622650	936132	79.50%	7.244%
56	17.962	2569	2574	2577	rBV4	3671	5537	0.47%	0.043%
57	18.003	2577	2581	2586	rVB6	3815	7210	0.61%	0.056%
58	18.361	2635	2642	2648	rBV2	49751	73406	6.23%	0.568%
59	18.649	2687	2691	2693	rBV4	5529	7822	0.66%	0.061%
60	18.720	2699	2703	2704	rVV4	4697	5345	0.45%	0.041%
61	18.861	2723	2727	2728	rVV2	7756	8732	0.74%	0.068%
62	18.955	2739	2743	2746	rVV6	5813	8154	0.69%	0.063%
63	19.119	2768	2771	2776	rVV5	7912	12203	1.04%	0.094%
64	19.207	2782	2786	2791	rBV2	26016	34534	2.93%	0.267%
65	19.272	2794	2797	2805	rVV6	11844	17424	1.48%	0.135%
66	19.513	2831	2838	2840	rBV2	9736	20978	1.78%	0.162%
67	19.624	2853	2857	2864	rBV3	30887	45176	3.84%	0.350%
68	19.754	2875	2879	2886	rVV2	27126	38363	3.26%	0.297%
69	19.812	2886	2889	2891	rVV3	9288	9863	0.84%	0.076%
70	19.877	2893	2900	2906	rVV	821134	1177531	100.00%	9.113%
71	20.112	2938	2940	2942	rVV3	4248	4592	0.39%	0.036%

LSC Area Percent Report

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Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

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 >
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Title : SVOA CALIBRATION

72	20.277	2964	2968	2973	rBV2	13075	22517	1.91%	0.174%
73	20.335	2973	2978	2982	rVV6	15967	33784	2.87%	0.261%
74	20.371	2982	2984	2989	rVB5	4892	7979	0.68%	0.062%
75	20.488	3002	3004	3007	rVB3	9162	7980	0.68%	0.062%
76	20.612	3021	3025	3026	rBV4	4254	5272	0.45%	0.041%
77	20.753	3043	3049	3056	rBV3	19938	35794	3.04%	0.277%
78	20.817	3056	3060	3061	rBV4	4812	5111	0.43%	0.040%
79	20.864	3065	3068	3071	rVB5	7980	8774	0.75%	0.068%
80	20.970	3083	3086	3091	rBV3	7698	10254	0.87%	0.079%
81	21.017	3091	3094	3099	rVV4	13770	14054	1.19%	0.109%
82	21.369	3148	3154	3163	rBV	89381	154460	13.12%	1.195%
83	21.769	3214	3222	3229	rVV	448615	738334	62.70%	5.714%
84	21.939	3247	3251	3253	rBV4	5788	8354	0.71%	0.065%
85	22.574	3349	3359	3363	rBV8	41370	105263	8.94%	0.815%
86	23.244	3467	3473	3482	rVB9	23542	51921	4.41%	0.402%
87	23.614	3533	3536	3544	rVB7	12501	23091	1.96%	0.179%
88	23.902	3582	3585	3586	rBV3	6525	6406	0.54%	0.050%
89	24.078	3609	3615	3620	rBV3	26277	53179	4.52%	0.412%
90	24.143	3620	3626	3635	rVB6	20251	53500	4.54%	0.414%
91	24.842	3734	3745	3755	rVV	418596	1165187	98.95%	9.017%
92	25.071	3772	3784	3795	rVB2	243653	738613	62.73%	5.716%
93	26.205	3969	3977	3986	rVB4	30514	89189	7.57%	0.690%
94	26.340	3993	4000	4002	rBV7	8607	18336	1.56%	0.142%
95	27.339	4167	4170	4172	rBV4	4414	4921	0.42%	0.038%
96	27.592	4205	4213	4225	rVB9	17862	55632	4.72%	0.431%
97	29.266	4489	4498	4502	rBV10	15236	49295	4.19%	0.381%
98	29.331	4506	4509	4510	rBV3	8667	9313	0.79%	0.072%
99	30.800	4756	4759	4762	rBV4	3316	4797	0.41%	0.037%
100	32.192	4994	4996	4999	rBV4	3111	4736	0.40%	0.037%

Sum of corrected areas: 12922005

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
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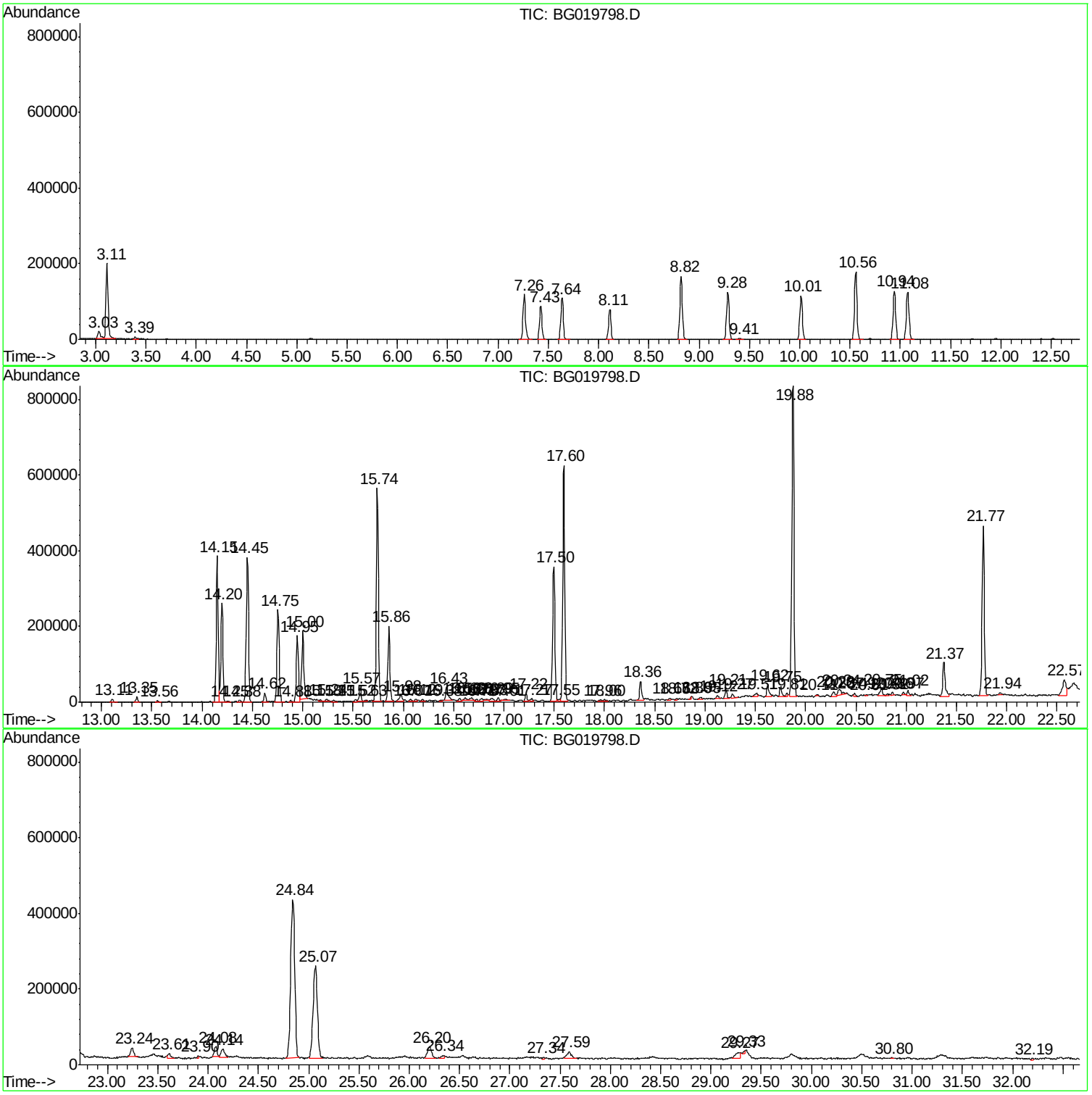
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

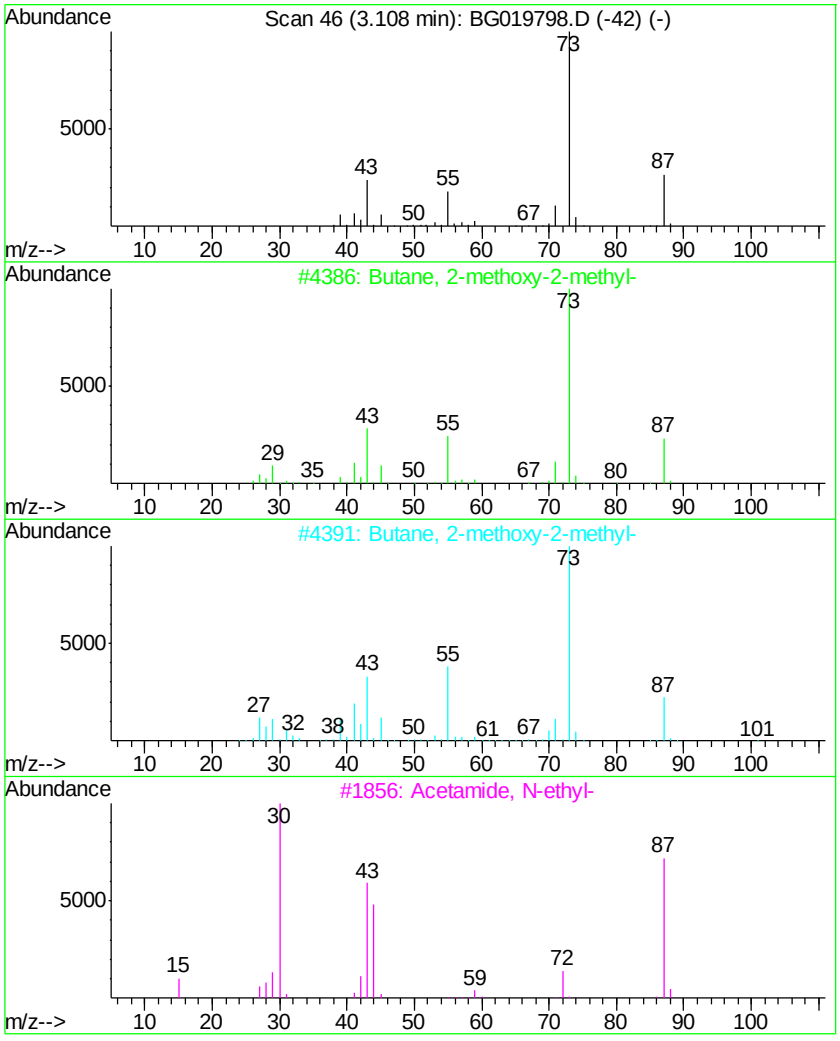
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

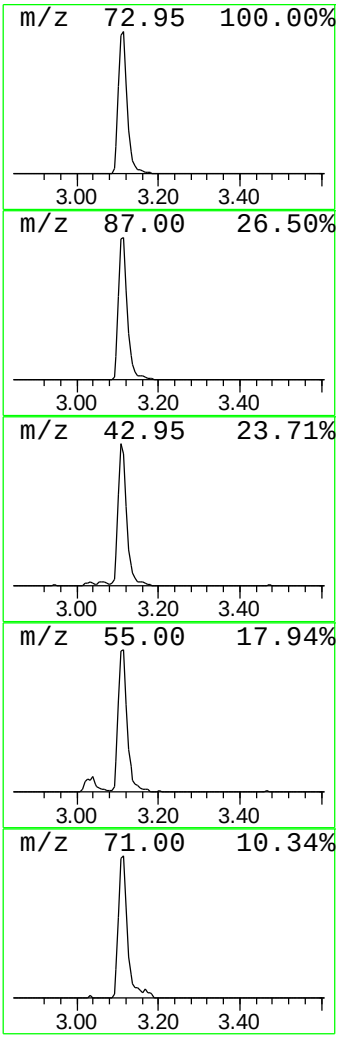
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	44.57 ng/ul	297502	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

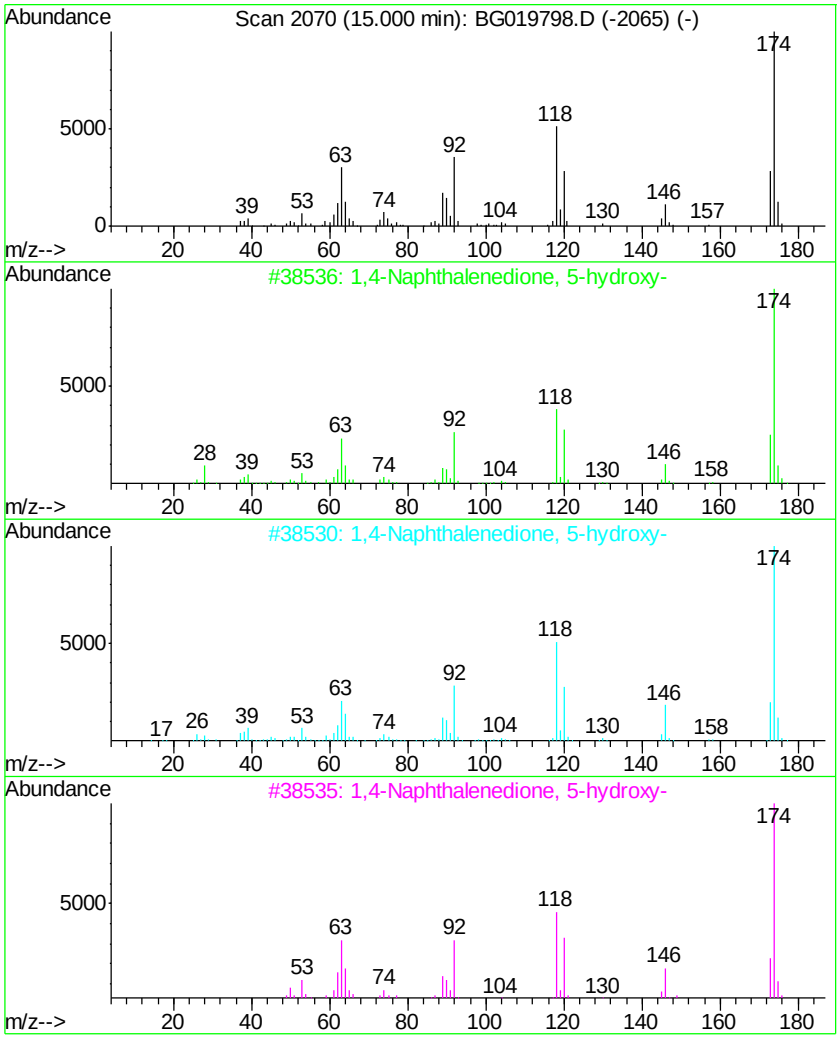
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

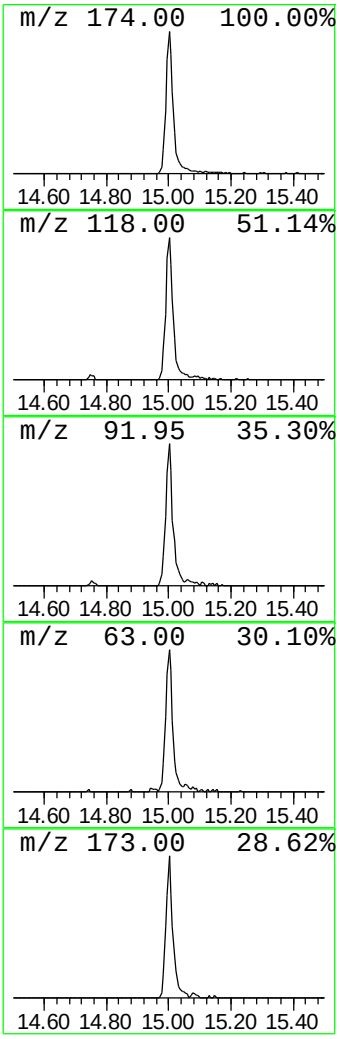
****

Peak Number 3 1,4-Naphthalenedione, 5-hyd... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	13.63 ng/ul	271841	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	95
2	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	93
3	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	53
4	1-Methyl-5-(4-methylphenyl)tetra...	174	C9H10N4	068826-33-5	49
5	8-Quinolinol, 5-nitroso-	174	C9H6N2O2	003565-26-2	43





Library Search Compound Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

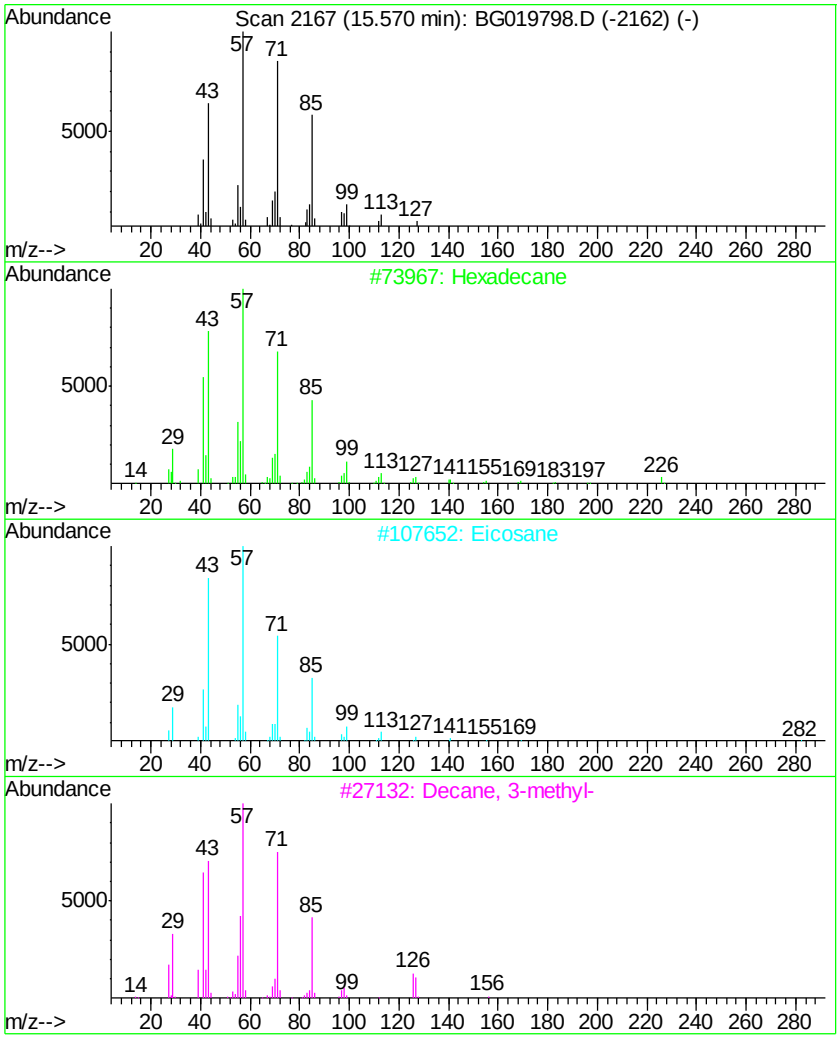
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

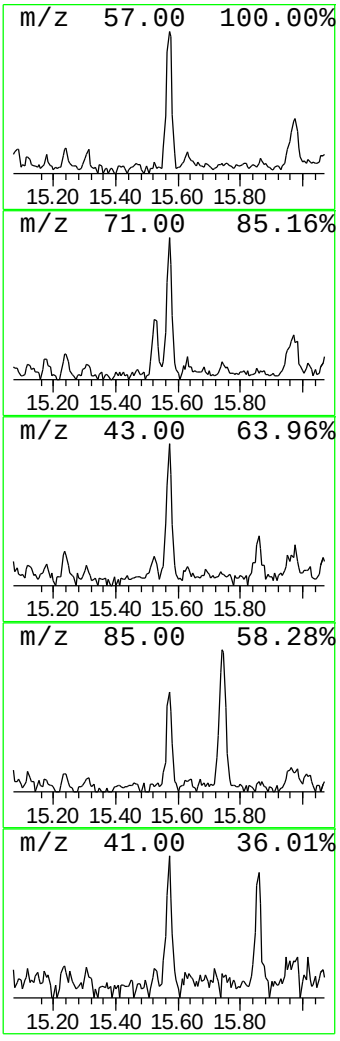
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.40 ng/ul	47819	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Decane, 3-methyl-	156	C11H24	013151-34-3	72
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

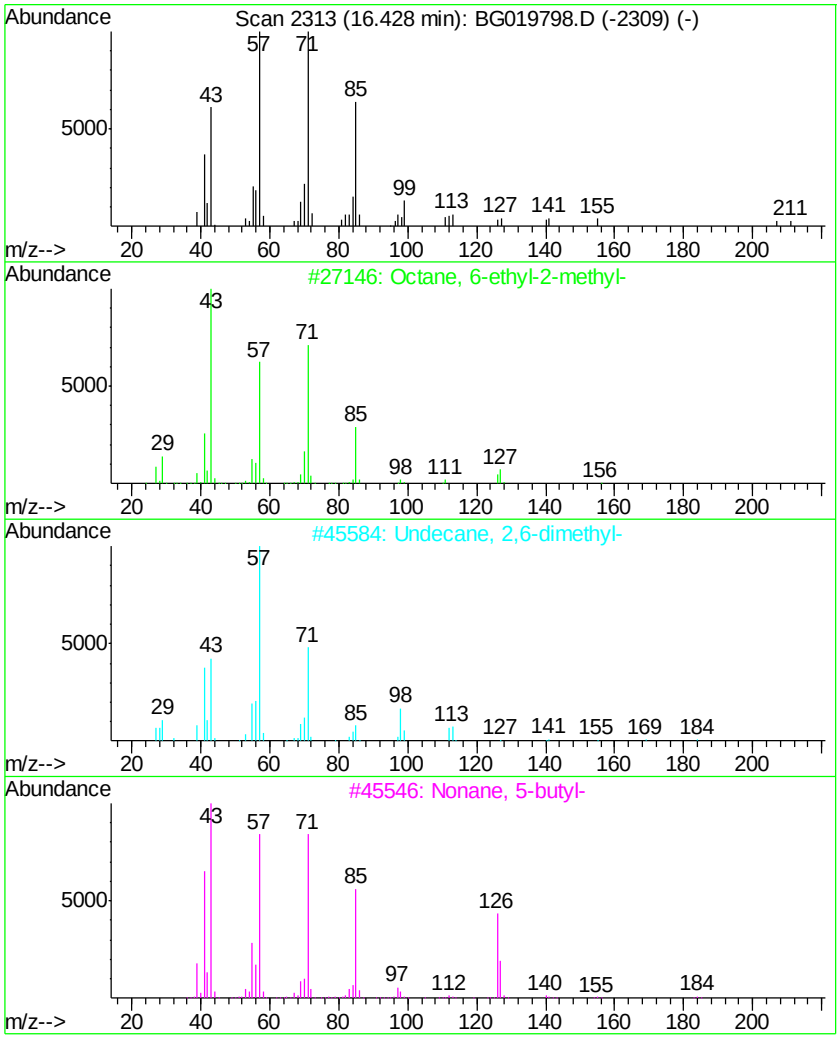
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

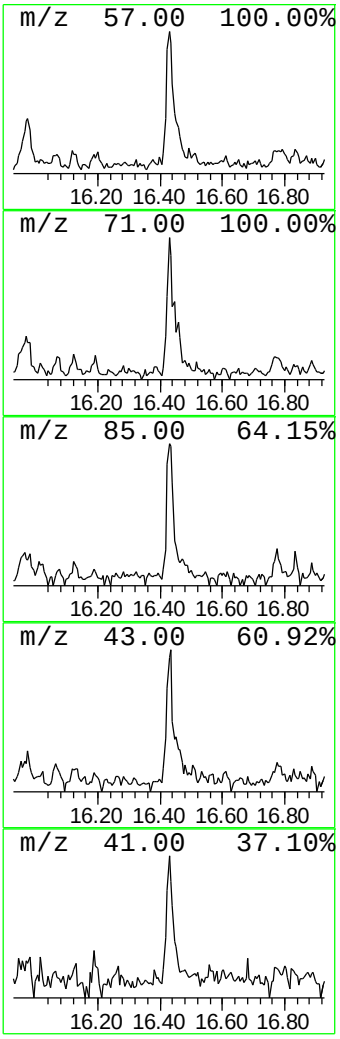
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.18 ng/ul	58761	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
4	Heptadecane	240	C17H36	000629-78-7	64
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64





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Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

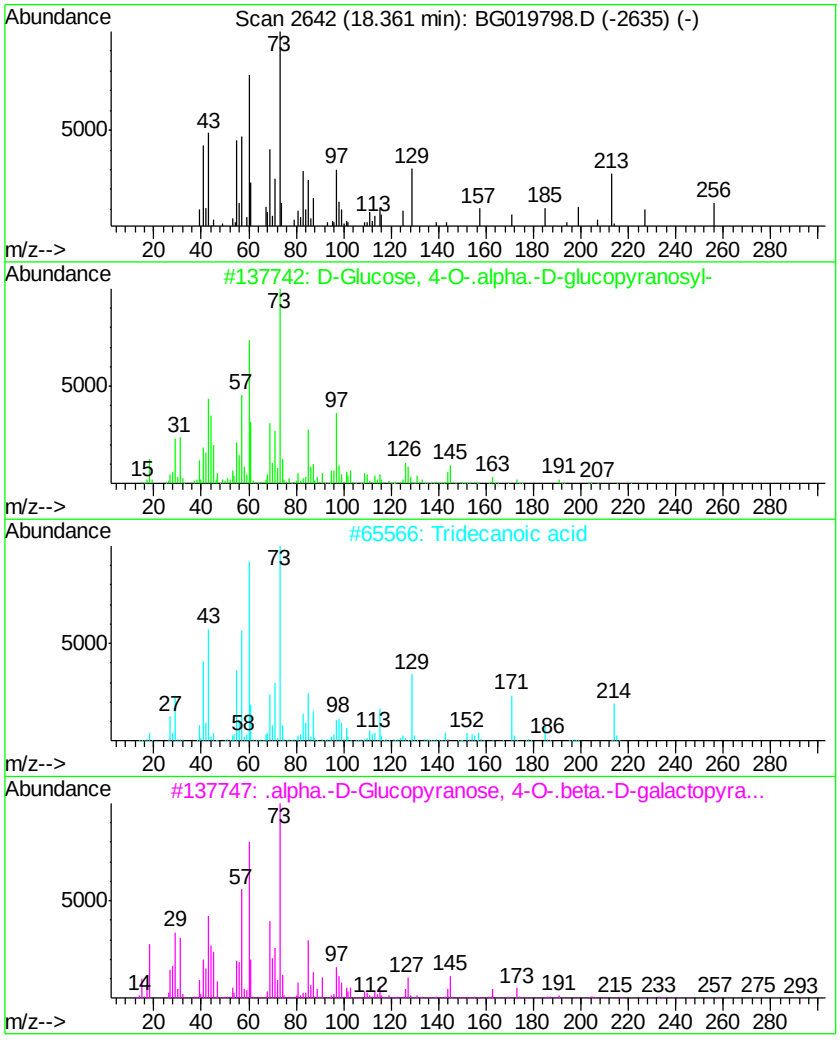
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

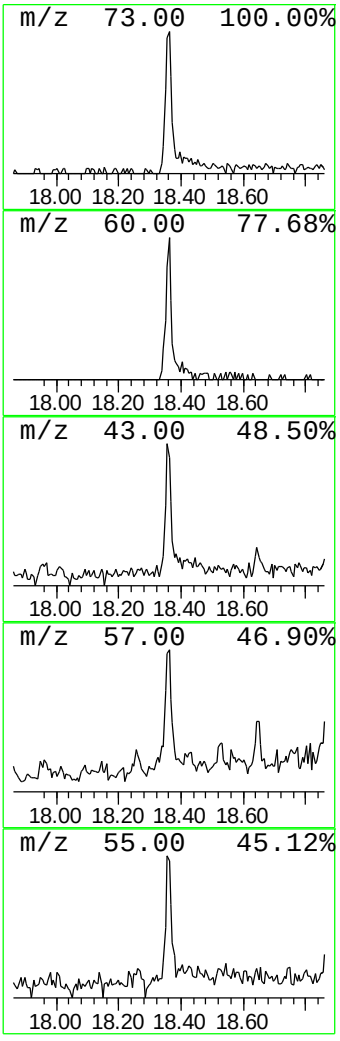
****

Peak Number 6 D-Glucose, 4-O-.alpha.-D-gl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.73 ng/ul	73406	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Glucose, 4-O-.alpha.-D-glucopy...	342	C12H22O11	000069-79-4	58
2	Tridecanoic acid	214	C13H26O2	000638-53-9	52
3	.alpha.-D-Glucopyranose, 4-O-.be...	342	C12H22O11	014641-93-1	50
4	Undecanoic acid	186	C11H22O2	000112-37-8	47
5	Glucose	180	C6H12O6	000050-99-7	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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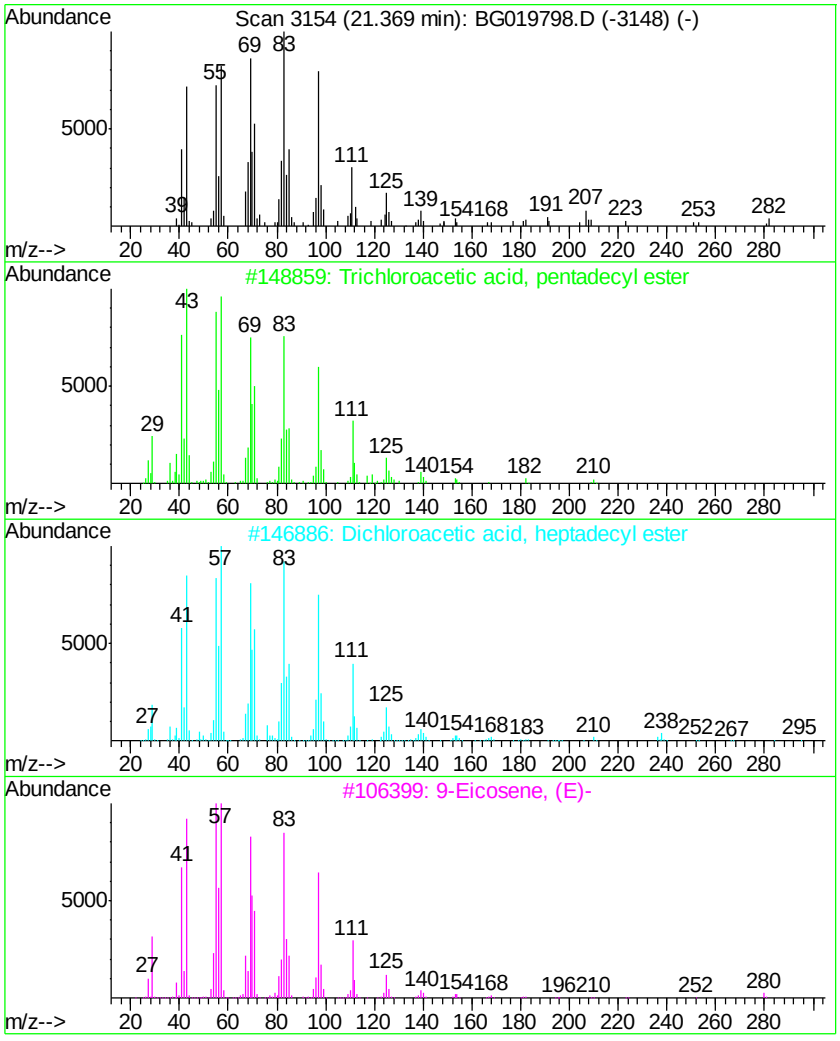
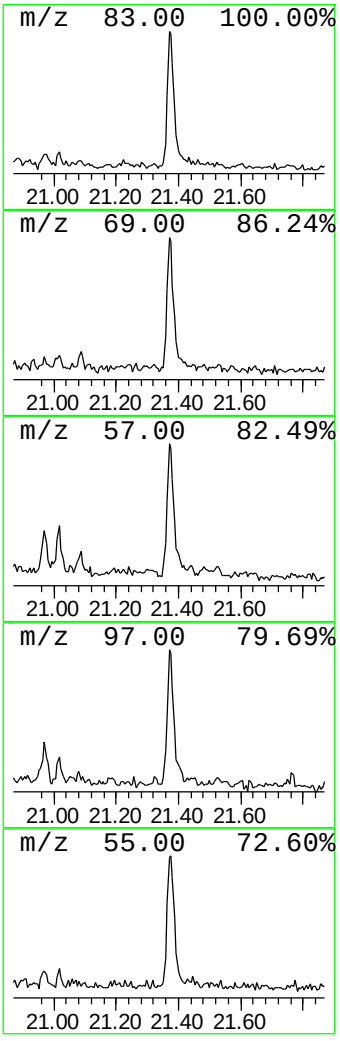
Peak Number 7 Trichloroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.18 ng/ul	154460	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	86
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	74
5	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	64





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ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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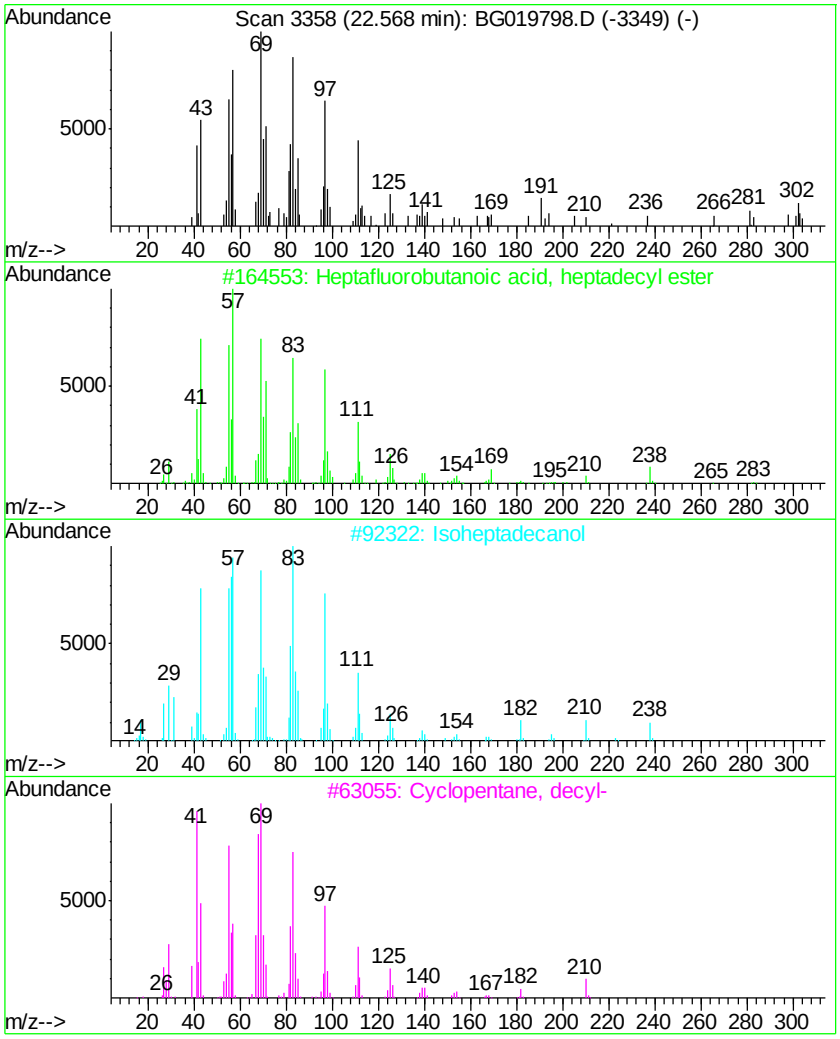
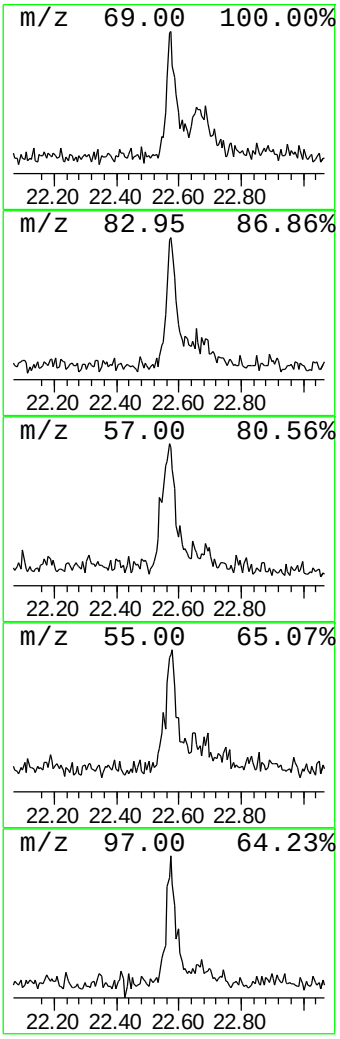
Peak Number 8 Heptafluorobutanoic acid, h... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	2.85 ng/ul	105263	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
2	Isoheptadecanol	256	C17H36O	057289-07-3	86
3	Cyclopentane, decyl-	210	C15H30	001795-21-7	83
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	81
5	1-Tetracosanol	354	C24H50O	000506-51-4	76





Library Search Compound Report

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Data File : BG019798.D
Acq On : 23 Nov 2015 1:51
Operator : UM/NP
Sample : G4345-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4J61

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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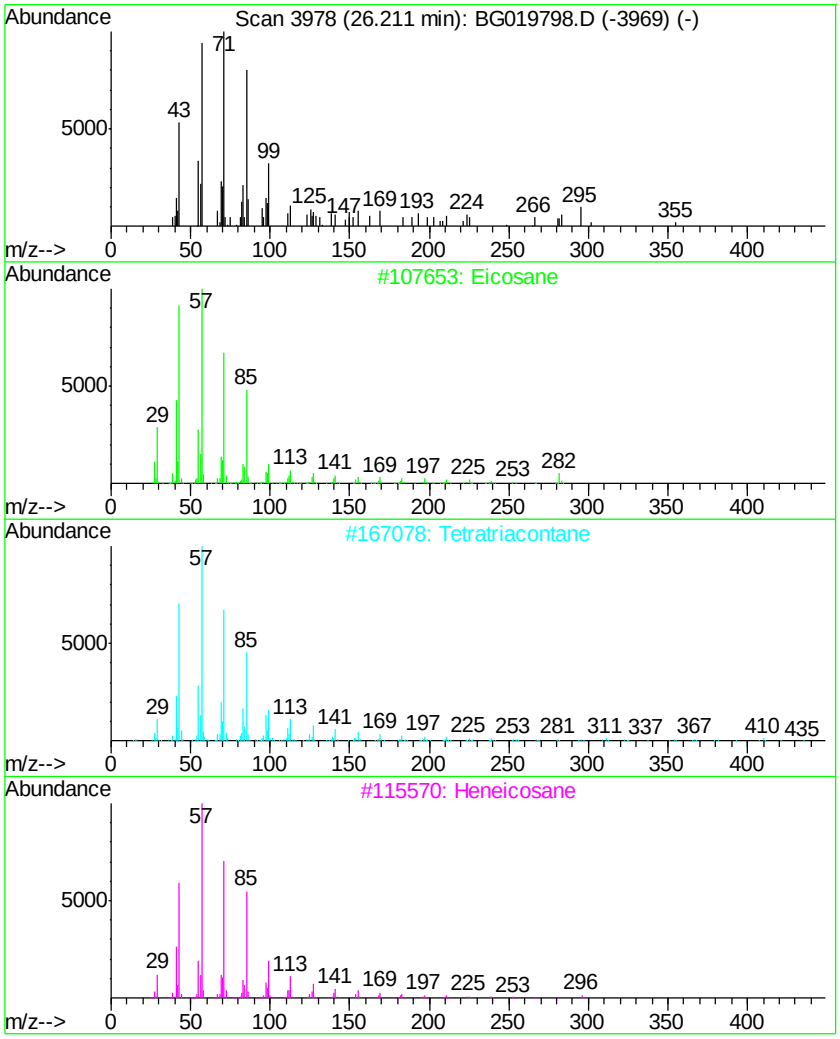
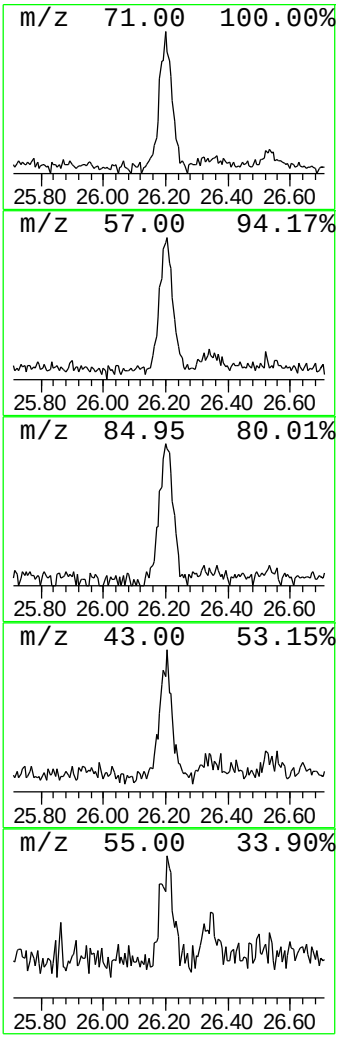
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	2.42 ng/ul	89189	Perylene-d12	25.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetratriacontane	479	C34H70	014167-59-0	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Tetratetracontane	619	C44H90	007098-22-8	74
5	Heptacosane	380	C27H56	000593-49-7	74





Tentatively Identified Compound (LSC) summary

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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...	3.11	44.6	ng/ul	297502	1	8.11	133485	20.0
1,4-Naphthalenedi...	15.00	13.6	ng/ul	271841	3	14.75	398883	20.0
(DEL) Alkane: Str...	15.57	2.4	ng/ul	47819	3	14.75	398883	20.0
(DEL) Alkane: Str...	16.43	2.2	ng/ul	58761	4	17.50	538289	20.0
D-Glucose, 4-O-.a...	18.36	2.7	ng/ul	73406	4	17.50	538289	20.0
Trichloroacetic a...	21.37	4.2	ng/ul	154460	5	21.77	738334	20.0
Heptafluorobutano...	22.57	2.9	ng/ul	105263	5	21.77	738334	20.0
(DEL) Alkane: Str...	26.21	2.4	ng/ul	89189	6	25.07	738613	20.0