LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG103017\
Data File : BG030582.D
Acq On : 30 Oct 2017 17:31
Operator : SJ/JU
Sample : I5842-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.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	3.545	39	44	60	rVB	17079	34871	1.64%	0.135%
2	4.080	132	135	138	rVB5	3500	3791	0.18%	0.015%
3	4.245	161	163	170	rVB5	3768	6425	0.30%	0.025%
4	4.321	170	176	181	rBV4	3970	9231	0.44%	0.036%
5	4.532	207	212	217	rVB2	11222	15410	0.73%	0.060%
6	4.944	275	282	294	rVB6	4339	9805	0.46%	0.038%
7	5.243	327	333	341	rVB3	22215	36804	1.74%	0.143%
8	6.354	518	522	532	rVB6	2742	6472	0.31%	0.025%
9	7.312	673	685	701	rBV2	224848	450462	21.24%	1.747%
10	7.476	701	713	726	rVV	194815	329785	15.55%	1.279%
11	7.693	741	750	758	rBV	229825	402841	18.99%	1.562%
12	8.164	818	830	837	rBV	296781	508667	23.98%	1.972%
13	8.857	940	948	965	rBV	300690	547396	25.81%	2.122%
14	9.321	1018	1027	1040	rVV	217990	402768	18.99%	1.562%
15	9.486	1048	1055	1061	rVB5	2175	4320	0.20%	0.017%
16	9.732	1093	1097	1102	rVB3	6367	8361	0.39%	0.032%
17	10.050	1142	1151	1166	rBV	193989	348913	16.45%	1.353%
18	10.590	1234	1243	1254	rBV	315425	590150	27.82%	2.288%
19	10.978	1300	1309	1317	rBV	462684	838849	39.55%	3.252%
20	11.101	1322	1330	1350	rBV	234154	464025	21.88%	1.799%
21	11.936	1467	1472	1479	rVB4	1718	3677	0.17%	0.014%
22	12.159	1502	1510	1514	rBV6	2648	4104	0.19%	0.016%
23	12.270	1523	1529	1542	rVB	41389	71609	3.38%	0.278%
24	12.370	1542	1546	1553	rBV5	2055	3644	0.17%	0.014%
25	12.435	1553	1557	1564	rBV4	4916	9010	0.42%	0.035%
26	12.547	1570	1576	1585	rVB2	5249	10215	0.48%	0.040%
27	13.516	1737	1741	1745	rBV4	3292	4791	0.23%	0.019%
28	13.557	1745	1748	1751	rVV4	3035	3861	0.18%	0.015%
29	13.592	1751	1754	1759	rVB4	3006	4191	0.20%	0.016%
30	13.657	1759	1765	1771	rBV6	4019	7925	0.37%	0.031%
31	14.168	1842	1852	1858	rBV	666955	988230	46.59%	3.832%
32	14.215	1858	1860	1870	rVB	48026	63244	2.98%	0.245%
33	14.356	1881	1884	1888	rBV3	1932	3751	0.18%	0.015%
34	14.474	1895	1904	1912	rVB	761848	1229418	57.96%	4.767%

LSC Area Percent Report

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Sample : I5842-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

35	14.656	1929	1935	1943	rVV4	3273	5998	0.28%	0.023%
36	14.779	1943	1956	1964	rVV2	795081	1313705	61.93%	5.094%
37	14.961	1979	1987	2004	rBV	170750	327501	15.44%	1.270%
38	15.079	2004	2007	2010	rVV3	3293	4077	0.19%	0.016%
39	15.179	2018	2024	2033	rVB7	9513	16995	0.80%	0.066%
40	15.408	2055	2063	2069	rBV7	4217	7885	0.37%	0.031%
41	15.555	2081	2088	2090	rBV6	2348	4070	0.19%	0.016%
42	15.602	2090	2096	2103	rVB7	4508	8211	0.39%	0.032%
43	15.761	2111	2123	2135	rBV	1019634	1585693	74.75%	6.148%
44	15.878	2135	2143	2159	rVV	159571	269303	12.70%	1.044%
45	16.001	2159	2164	2177	rVB7	14602	27114	1.28%	0.105%
46	16.119	2177	2184	2197	rBV	223183	333830	15.74%	1.294%
47	16.471	2239	2244	2249	rVB6	2749	5023	0.24%	0.019%
48	16.548	2253	2257	2259	rVB4	3226	3918	0.18%	0.015%
49	16.636	2269	2272	2279	rBV6	3923	6709	0.32%	0.026%
50	17.253	2373	2377	2380	rBV5	2966	3622	0.17%	0.014%
51	17.300	2380	2385	2394	rVB6	5106	11452	0.54%	0.044%
52	17.394	2394	2401	2404	rBV7	3771	6993	0.33%	0.027%
53	17.517	2409	2422	2431	rBV2	1030141	1637843	77.21%	6.350%
54	17.611	2431	2438	2447	rVV	1096934	1666230	78.55%	6.461%
55	17.811	2468	2472	2479	rVB8	3026	4938	0.23%	0.019%
56	17.882	2479	2484	2488	rVB5	2860	4807	0.23%	0.019%
57	18.387	2563	2570	2578	rBV9	11152	27696	1.31%	0.107%
58	18.745	2625	2631	2633	rBV6	4361	6649	0.31%	0.026%
59	18.886	2651	2655	2659	rBV6	6161	8419	0.40%	0.033%
60	19.298	2722	2725	2730	rBV5	2091	3964	0.19%	0.015%
61	19.368	2733	2737	2739	rBV5	3838	4056	0.19%	0.016%
62	19.427	2743	2747	2748	rBV4	3879	3640	0.17%	0.014%
63	19.462	2748	2753	2754	rBV5	7401	10665	0.50%	0.041%
64	19.527	2755	2764	2769	rVV	19885	42438	2.00%	0.165%
65	19.779	2802	2807	2815	rVB3	16703	35507	1.67%	0.138%
66	19.891	2816	2826	2835	rBV	1381151	2097758	98.90%	8.134%
67	20.038	2847	2851	2852	rVB3	3674	3727	0.18%	0.014%
68	20.073	2852	2857	2858	rBV5	4769	7210	0.34%	0.028%
69	20.108	2860	2863	2868	rVB4	5281	6876	0.32%	0.027%
70	20.196	2870	2878	2882	rBV4	9572	21754	1.03%	0.084%
71	20.502	2921	2930	2940	rBV9	15573	60796	2.87%	0.236%

LSC Area Percent Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

72	20.766	2971	2975	2982	rVB8	5449	12672	0.60%	0.049%
73	20.825	2982	2985	2989	rBV6	10485	15991	0.75%	0.062%
74	20.890	2992	2996	3001	rBV7	8975	14745	0.70%	0.057%
75	21.407	3078	3084	3097	rBV2	80887	154890	7.30%	0.601%
76	21.665	3125	3128	3131	rVB5	6589	5831	0.27%	0.023%
77	21.789	3141	3149	3163	rBV	1158497	1968111	92.78%	7.631%
78	21.965	3177	3179	3183	rVB5	8886	7667	0.36%	0.030%
79	22.024	3187	3189	3195	rBV7	4366	7517	0.35%	0.029%
80	22.200	3212	3219	3223	rBV10	19876	56324	2.66%	0.218%
81	22.276	3224	3232	3241	rVB10	25413	97707	4.61%	0.379%
82	22.594	3281	3286	3291	rBV6	12867	20880	0.98%	0.081%
83	22.776	3296	3317	3345	rVB6	85947	592945	27.95%	2.299%
84	23.310	3401	3408	3413	rVB5	25425	54416	2.57%	0.211%
85	24.133	3541	3548	3556	rVB2	32683	69925	3.30%	0.271%
86	24.315	3571	3579	3583	rBV10	10490	30375	1.43%	0.118%
87	24.879	3662	3675	3690	rBV2	744611	2121194	100.00%	8.225%
88	25.108	3702	3714	3730	rBV2	679396	2017306	95.10%	7.822%
89	26.289	3905	3915	3924	rVB5	37628	122139	5.76%	0.474%
90	26.560	3955	3961	3969	rBV5	7433	18467	0.87%	0.072%
91	26.912	4016	4021	4031	rBV5	9537	22397	1.06%	0.087%
92	27.347	4074	4095	4117	rVB5	50572	400320	18.87%	1.552%
93	27.688	4143	4153	4167	rVB5	33150	135829	6.40%	0.527%
94	29.074	4358	4389	4418	rBV5	66832	669669	31.57%	2.597%
95	29.374	4430	4440	4455	rVB5	23848	105807	4.99%	0.410%
96	30.414	4614	4617	4619	rBV4	4379	6214	0.29%	0.024%
97	31.348	4775	4776	4778	rBV2	4948	4272	0.20%	0.017%
98	31.407	4781	4786	4788	rBV6	13051	20619	0.97%	0.080%
99	32.141	4908	4911	4915	rBV6	3508	4815	0.23%	0.019%
100	32.594	4986	4988	4991	rBV4	6415	7782	0.37%	0.030%

Sum of corrected areas: 25790914

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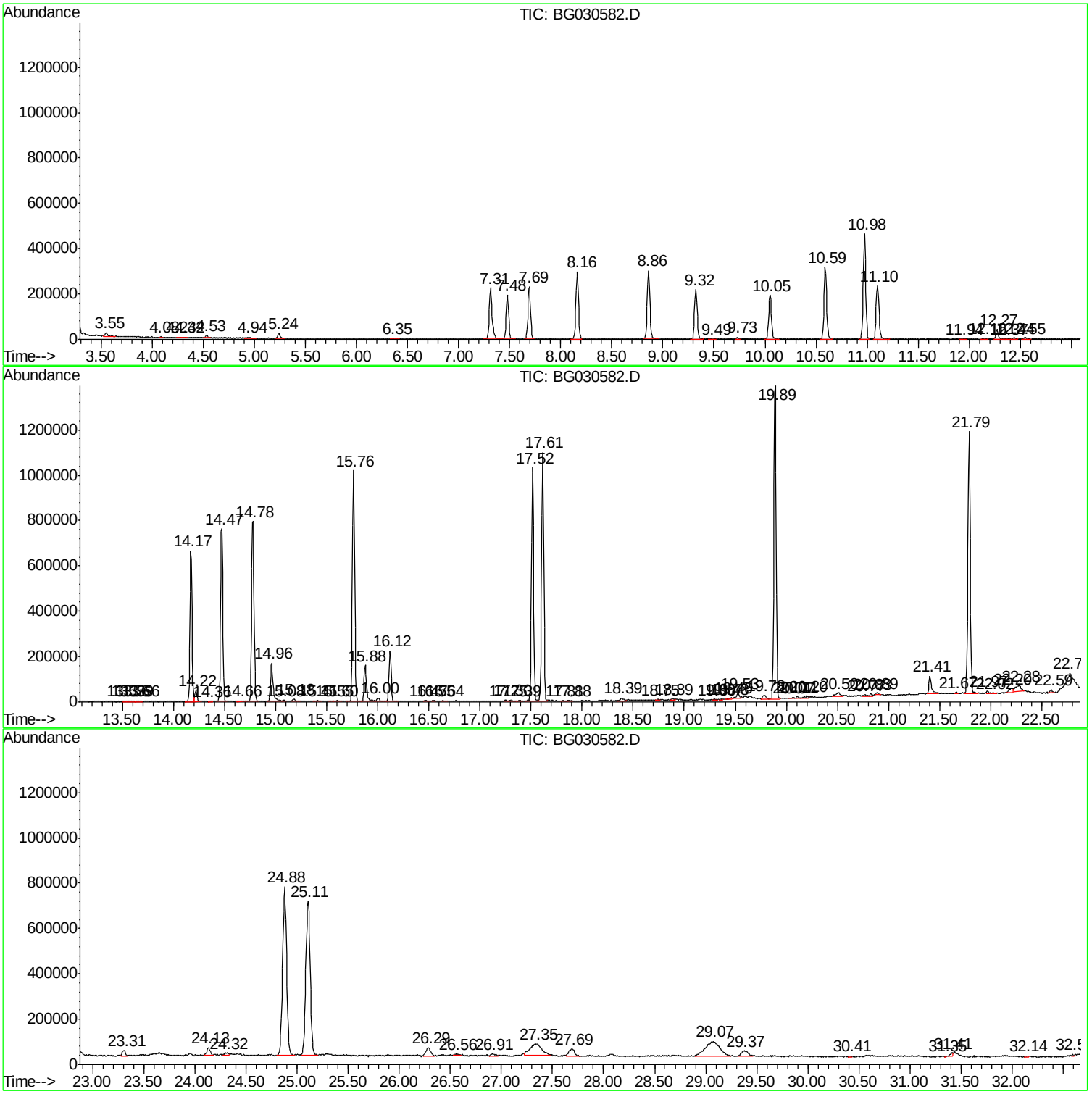
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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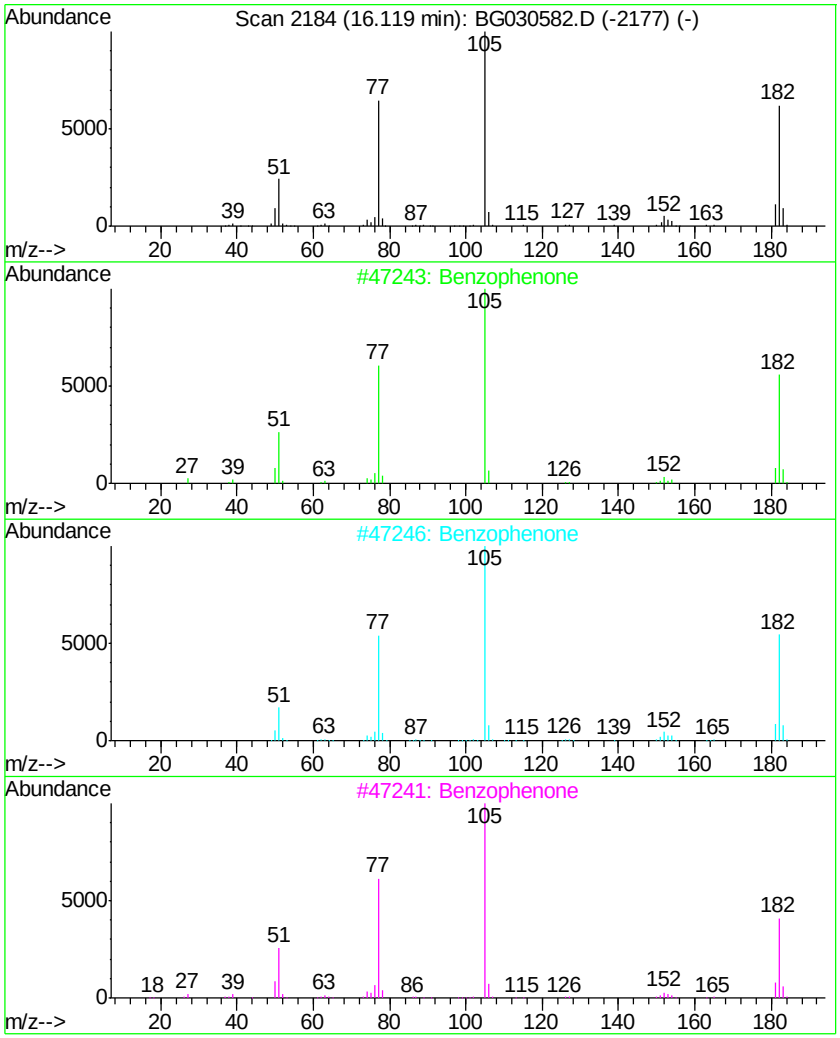
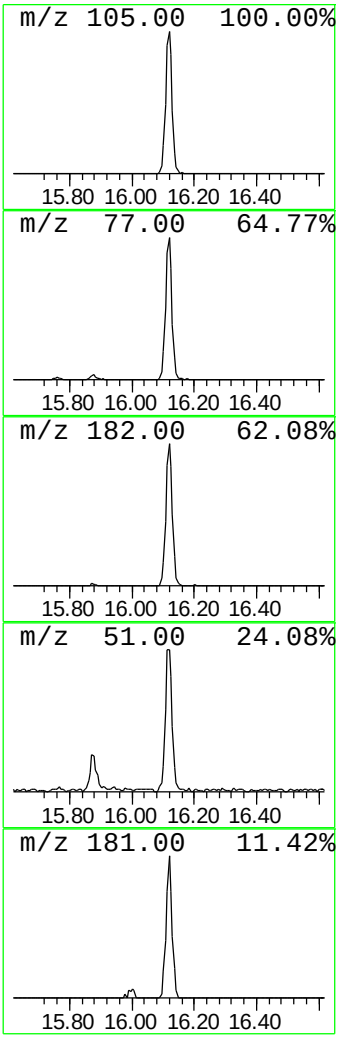
****

Peak Number 1 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.08 ng/ul	333830	Acenaphthene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49





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Instrument : BNA_G
ClientSampleId : C0AC0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

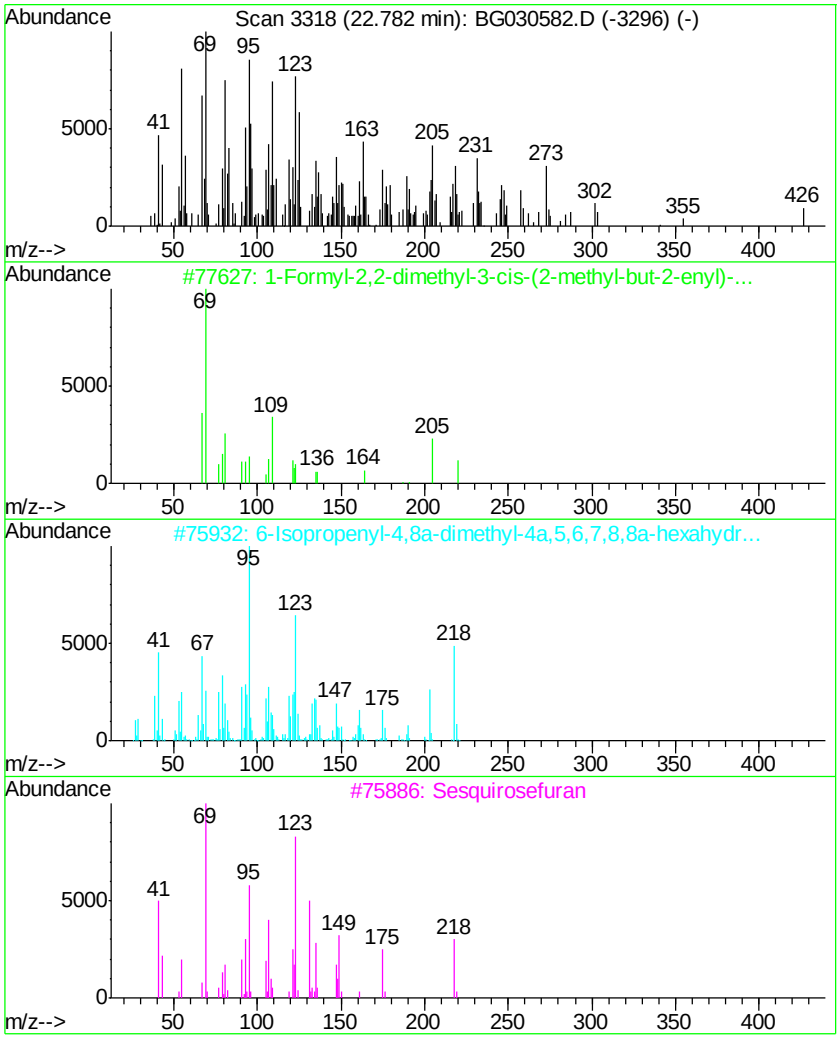
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

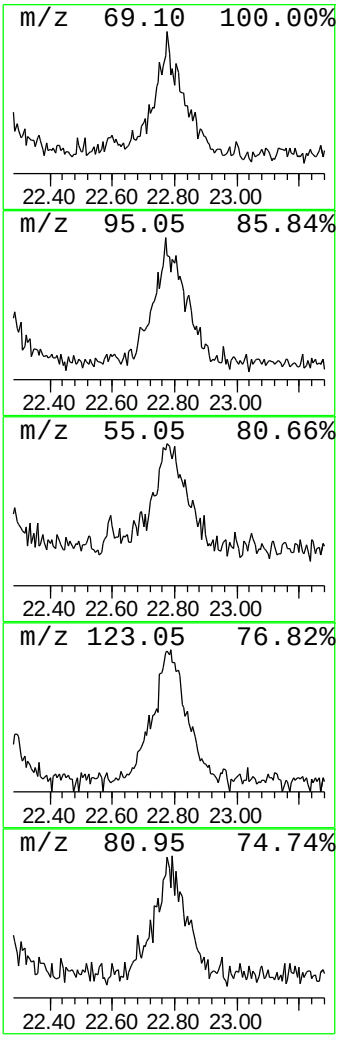
****

Peak Number 2 1-Formyl-2,2-dimethyl-3-cis... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.78	6.03 ng/ul	592945	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Formyl-2,2-dimethyl-3-cis-(2-m...	220	C15H24O	1000144-10-0	55
2	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	53
3	Sesquirosefuran	218	C15H22O	039007-93-7	46
4	(1-Cyclohexylmethyl-3-methylbut-...	274	C18H26S	1000191-26-0	46
5	4,14-Dimethyl-11-isopropyltricyc...	274	C19H30O	1000140-68-0	41





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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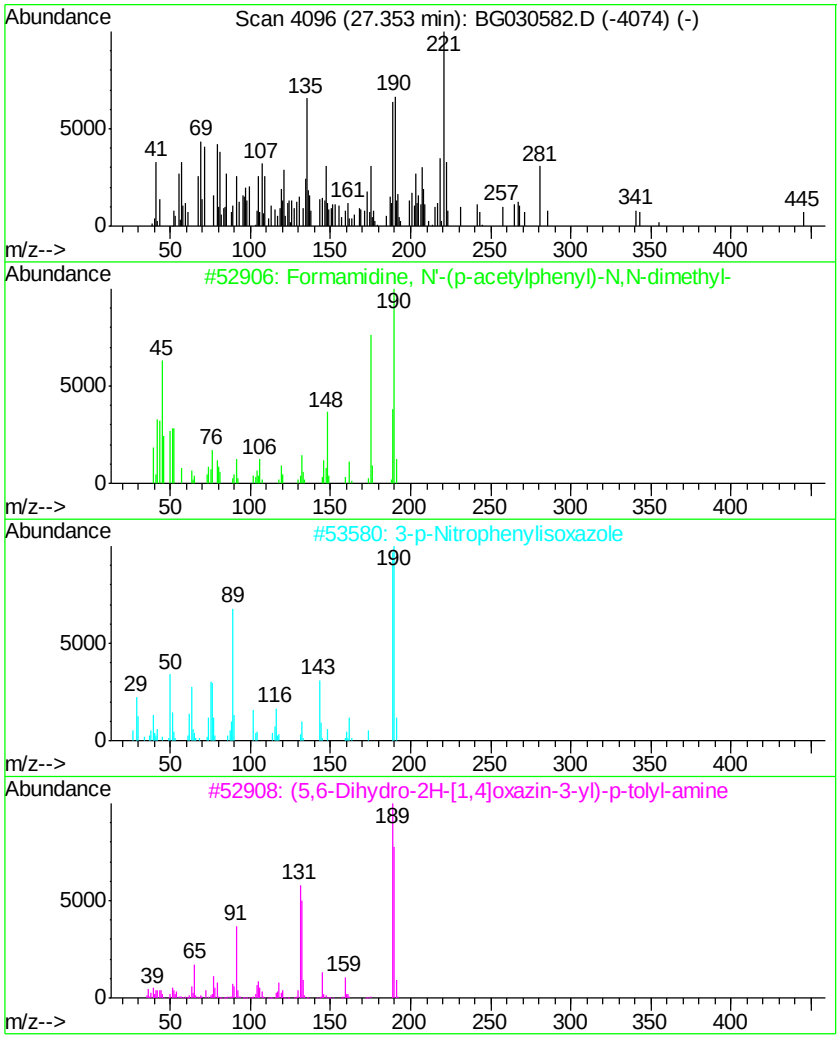
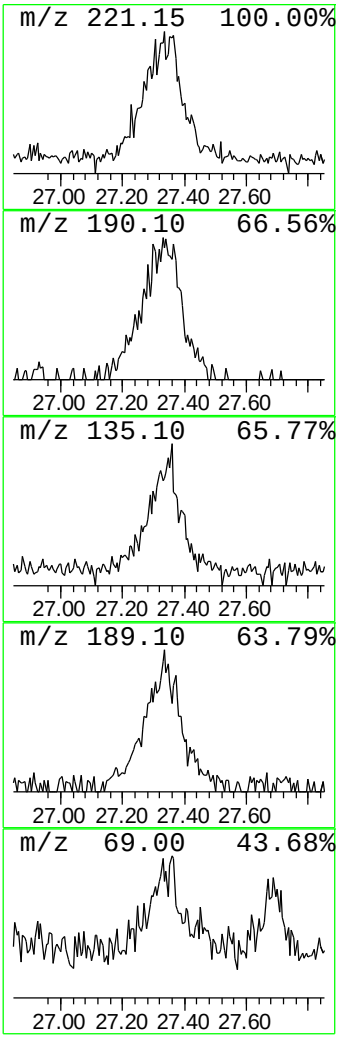
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.35	3.97 ng/ul	400320	Perylene-d12	25.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamidine, N'-(p-acetylphenyl)...	190	C11H14N2O	029366-20-9	25
2	3-p-Nitrophenylisoxazole	190	C9H6N2O3	004264-05-5	18
3	(5,6-Dihydro-2H-[1,4]oxazin-3-yl...	190	C11H14N2O	1000295-04-4	14
4	Pyridine-3-carbonitrile, 1,2-dih...	190	C10H10N2S	202270-50-6	14
5	Benzimidazol-2(3H)-one, 5-formyl...	190	C10H10N2O2	055241-49-1	14





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

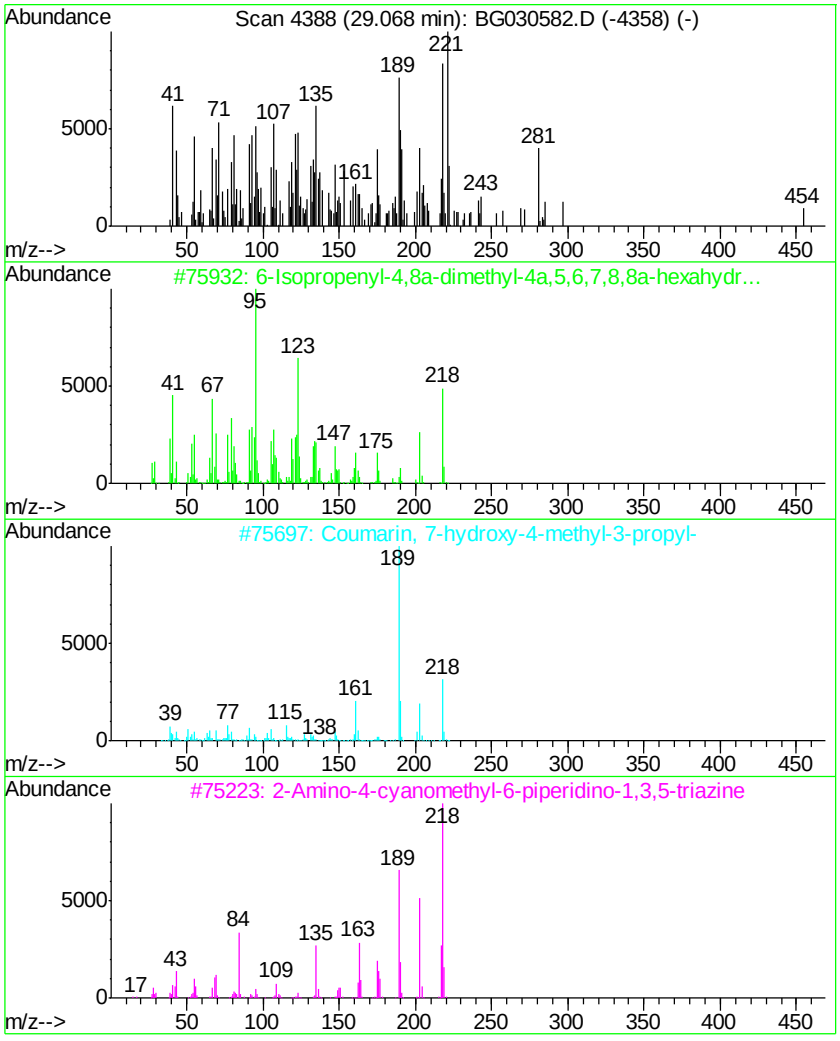
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

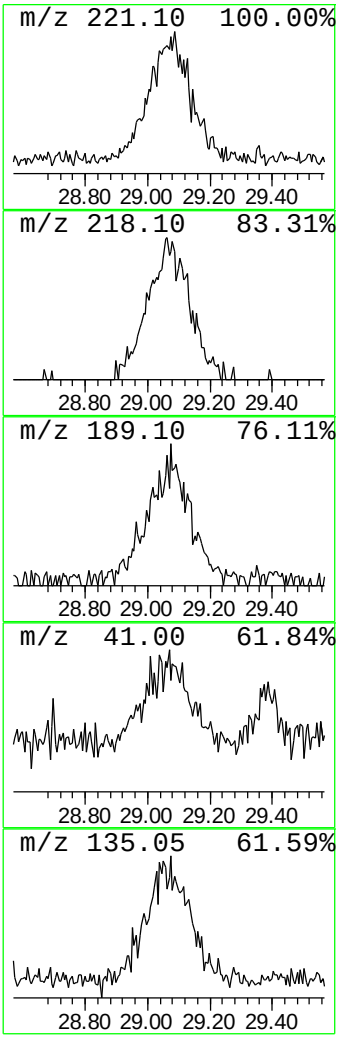
****

Peak Number 4 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.07	6.64 ng/ul	669669	Perylene-d12	25.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	30
2	Coumarin, 7-hydroxy-4-methyl-3-p...	218	C13H14O3	019491-93-1	27
3	2-Amino-4-cyanomethyl-6-piperidi...	218	C10H14N6	1000241-05-9	25
4	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	25
5	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	22





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_G
ClientSampleId : C0AC0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.12	5.1	ng/ul	333830	3	14.77	1313710	20.0
1-Formyl-2,2-dime...	22.78	6.0	ng/ul	592945	5	21.79	1968110	20.0
unknown-01	27.35	4.0	ng/ul	400320	6	25.11	2017310	20.0
unknown-02	29.07	6.6	ng/ul	669669	6	25.11	2017310	20.0