LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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	3.144	4	9	29	rVB	1483651	2362029	100.00%	7.815%
2	3.402	48	53	58	rVB3	9317	14691	0.62%	0.049%
3	3.919	136	141	146	rBV	14328	22157	0.94%	0.073%
4	4.049	158	163	170	rVB2	14843	24534	1.04%	0.081%
5	5.053	328	334	346	rVB	13587	21667	0.92%	0.072%
6	7.110	677	684	697	rBV	176689	321657	13.62%	1.064%
7	7.268	702	711	720	rBV	153565	259912	11.00%	0.860%
8	7.474	738	746	756	rBV	191165	333118	14.10%	1.102%
9	7.938	818	825	834	rBV	339605	588044	24.90%	1.946%
10	8.649	939	946	955	rBV	229002	397861	16.84%	1.316%
11	9.090	1014	1021	1032	rBV	182783	336122	14.23%	1.112%
12	9.818	1137	1145	1153	rBV	152306	285478	12.09%	0.944%
13	10.365	1231	1238	1247	rBV	241415	452804	19.17%	1.498%
14	10.735	1291	1301	1308	rBV	489223	873854	37.00%	2.891%
15	10.870	1317	1324	1339	rBV	149188	297164	12.58%	0.983%
16	12.398	1577	1584	1591	rVB	7684	13155	0.56%	0.044%
17	12.609	1613	1620	1626	rVB2	6698	11506	0.49%	0.038%
18	13.890	1833	1838	1844	rBV2	9732	17150	0.73%	0.057%
19	13.972	1844	1852	1857	rVV	507369	729005	30.86%	2.412%
20	14.019	1857	1860	1865	rVV	87275	118810	5.03%	0.393%
21	14.260	1891	1901	1914	rBV	533373	870176	36.84%	2.879%
22	14.572	1943	1954	1960	rBV	791694	1241876	52.58%	4.109%
23	14.630	1960	1964	1970	rVB2	16026	25017	1.06%	0.083%
24	14.771	1982	1988	2003	rBV	134864	258482	10.94%	0.855%
25	14.918	2009	2013	2017	rVV5	5994	11668	0.49%	0.039%
26	14.971	2017	2022	2030	rVV2	17857	34822	1.47%	0.115%
27	15.048	2030	2035	2040	rVV2	6975	11294	0.48%	0.037%
28	15.189	2053	2059	2064	rVV5	7145	12783	0.54%	0.042%
29	15.241	2064	2068	2074	rVB6	6627	9720	0.41%	0.032%
30	15.365	2082	2089	2096	rBV9	7650	18747	0.79%	0.062%
31	15.559	2115	2122	2128	rBV	738115	1135121	48.06%	3.756%
32	15.617	2128	2132	2137	rVV3	22686	36231	1.53%	0.120%
33	15.682	2137	2143	2150	rVV	97617	155140	6.57%	0.513%
34	15.806	2157	2164	2167	rBV4	8288	16911	0.72%	0.056%

LSC Area Percent Report

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Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

35	15.911	2178	2182	2189	rVB	13937	24014	1.02%	0.079%
36	16.058	2202	2207	2215	rVV	12596	28060	1.19%	0.093%
37	16.293	2242	2247	2254	rVV5	15562	32712	1.38%	0.108%
38	16.587	2293	2297	2300	rBV4	7054	12845	0.54%	0.042%
39	16.628	2300	2304	2308	rVV5	9108	16723	0.71%	0.055%
40	16.669	2308	2311	2317	rVB6	7704	12352	0.52%	0.041%
41	16.769	2325	2328	2333	rVB7	5962	10206	0.43%	0.034%
42	16.851	2339	2342	2345	rBV2	9777	11872	0.50%	0.039%
43	16.892	2345	2349	2352	rVV4	10024	10759	0.46%	0.036%
44	16.963	2357	2361	2368	rVB2	30855	54775	2.32%	0.181%
45	17.045	2370	2375	2376	rBV2	12276	15886	0.67%	0.053%
46	17.133	2386	2390	2393	rVB	18307	23707	1.00%	0.078%
47	17.310	2409	2420	2425	rBV	915031	1483010	62.79%	4.906%
48	17.351	2425	2427	2432	rVV	359966	491451	20.81%	1.626%
49	17.410	2432	2437	2448	rVV2	747204	1217977	51.56%	4.030%
50	17.503	2448	2453	2458	rVV2	18173	27624	1.17%	0.091%
51	17.627	2465	2474	2478	rBV6	11983	22315	0.94%	0.074%
52	17.709	2480	2488	2493	rBV2	35621	79806	3.38%	0.264%
53	17.756	2493	2496	2500	rVV3	8155	13248	0.56%	0.044%
54	17.827	2504	2508	2512	rVV2	15435	26053	1.10%	0.086%
55	17.891	2516	2519	2523	rVB4	17990	24403	1.03%	0.081%
56	17.991	2530	2536	2540	rBV8	10052	22806	0.97%	0.075%
57	18.115	2552	2557	2560	rVB2	10758	17480	0.74%	0.058%
58	18.191	2560	2570	2574	rBV	85545	166392	7.04%	0.551%
59	18.238	2574	2578	2583	rVV	116768	185042	7.83%	0.612%
60	18.314	2587	2591	2596	rVV	28291	48158	2.04%	0.159%
61	18.379	2596	2602	2606	rVV3	103204	198356	8.40%	0.656%
62	18.420	2606	2609	2614	rVB	65723	93855	3.97%	0.311%
63	18.579	2634	2636	2641	rVB6	11624	16278	0.69%	0.054%
64	18.684	2650	2654	2657	rBV	67408	98908	4.19%	0.327%
65	18.726	2657	2661	2666	rVB	87621	132602	5.61%	0.439%
66	18.837	2678	2680	2683	rVB3	15103	14697	0.62%	0.049%
67	18.931	2693	2696	2701	rVB3	24914	30969	1.31%	0.102%
68	18.984	2701	2705	2708	rVV	24643	33843	1.43%	0.112%
69	19.025	2708	2712	2716	rVB2	24755	32597	1.38%	0.108%
70	19.102	2721	2725	2730	rBV	79096	128585	5.44%	0.425%
71	19.196	2739	2741	2744	rVB	27759	26929	1.14%	0.089%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

72	19.243	2744	2749	2757	rBV	74539	121019	5.12%	0.400%
73	19.360	2764	2769	2775	rVB	756180	1103274	46.71%	3.650%
74	19.425	2778	2780	2783	rBV	16405	18849	0.80%	0.062%
75	19.466	2784	2787	2791	rVB3	30915	43214	1.83%	0.143%
76	19.513	2792	2795	2799	rBV2	24491	30958	1.31%	0.102%
77	19.560	2799	2803	2807	rBV2	40265	66326	2.81%	0.219%
78	19.695	2821	2826	2829	rBV2	983979	1537043	65.07%	5.085%
79	19.724	2829	2831	2839	rVB	731561	926951	39.24%	3.067%
80	19.801	2839	2844	2850	rBV4	51818	99605	4.22%	0.330%
81	19.901	2858	2861	2867	rBV	35858	52079	2.20%	0.172%
82	19.959	2869	2871	2877	rVB2	46626	63118	2.67%	0.209%
83	20.048	2881	2886	2893	rBV4	81486	214824	9.09%	0.711%
84	20.218	2906	2915	2924	rVB	117250	262612	11.12%	0.869%
85	20.318	2929	2932	2935	rBV	41933	50148	2.12%	0.166%
86	20.377	2938	2942	2946	rVB2	98267	142445	6.03%	0.471%
87	20.518	2962	2966	2969	rBV	68821	95874	4.06%	0.317%
88	20.559	2971	2973	2978	rVB	63925	78870	3.34%	0.261%
89	20.970	3039	3043	3049	rVB	123608	184444	7.81%	0.610%
90	21.193	3078	3081	3083	rBV	55428	73668	3.12%	0.244%
91	21.229	3083	3087	3094	rVV4	277115	492417	20.85%	1.629%
92	21.293	3095	3098	3108	rVB	109992	190345	8.06%	0.630%
93	21.558	3136	3143	3148	rBV2	1058136	2240591	94.86%	7.413%
94	21.605	3148	3151	3163	rVB	407880	656209	27.78%	2.171%
95	23.690	3500	3506	3513	rBV	282591	809284	34.26%	2.677%
96	23.808	3520	3526	3533	rVB	513003	1013196	42.90%	3.352%
97	24.390	3621	3625	3630	rVB	85937	153378	6.49%	0.507%
98	24.460	3631	3637	3644	rBV	380142	873203	36.97%	2.889%
99	24.677	3665	3674	3695	rVB2	573870	1830375	77.49%	6.056%
100	25.817	3861	3868	3878	rVB	214193	595150	25.20%	1.969%

Sum of corrected areas: 30225470

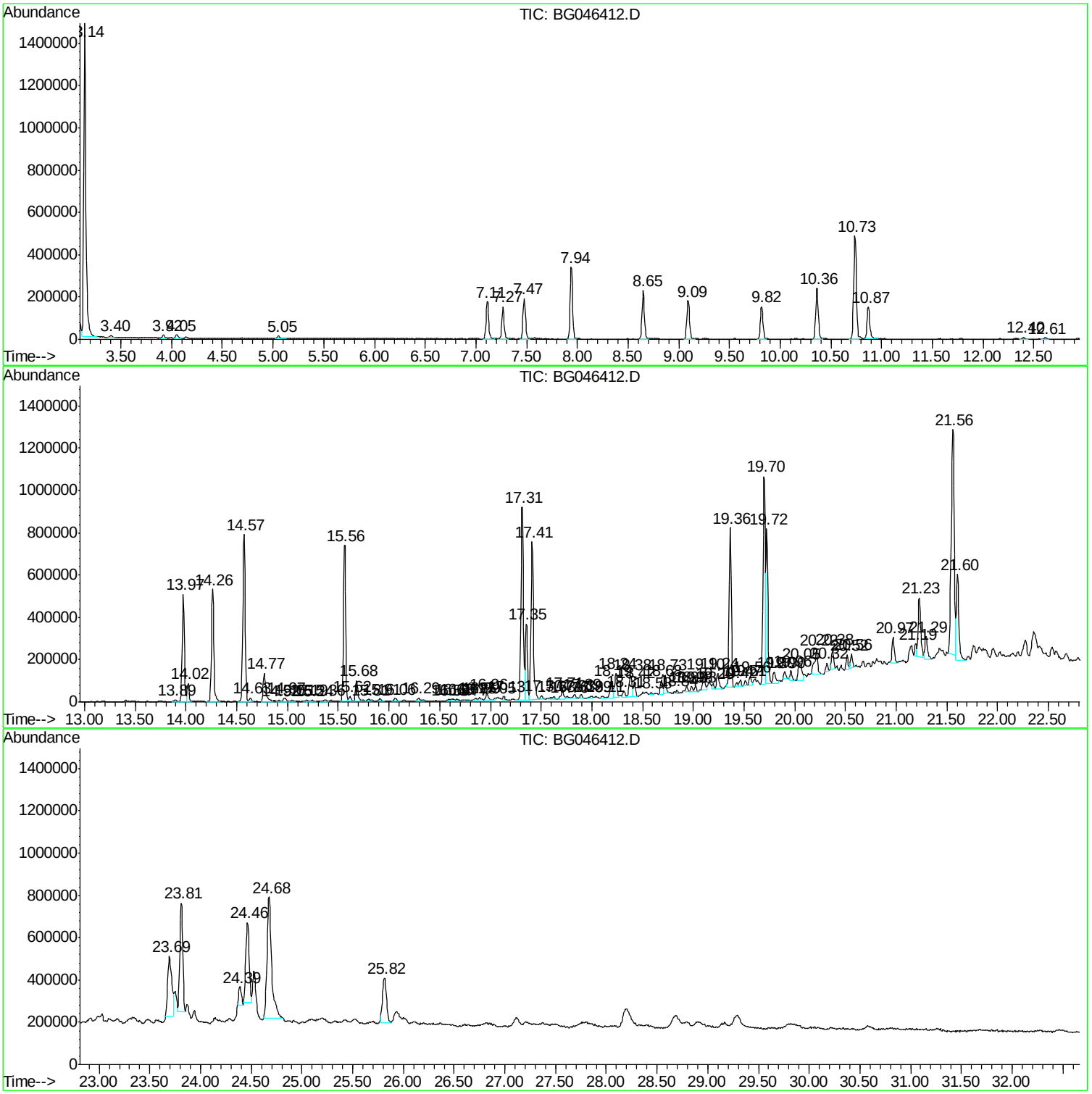
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
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Quant Title : SVOA CALIBRATION

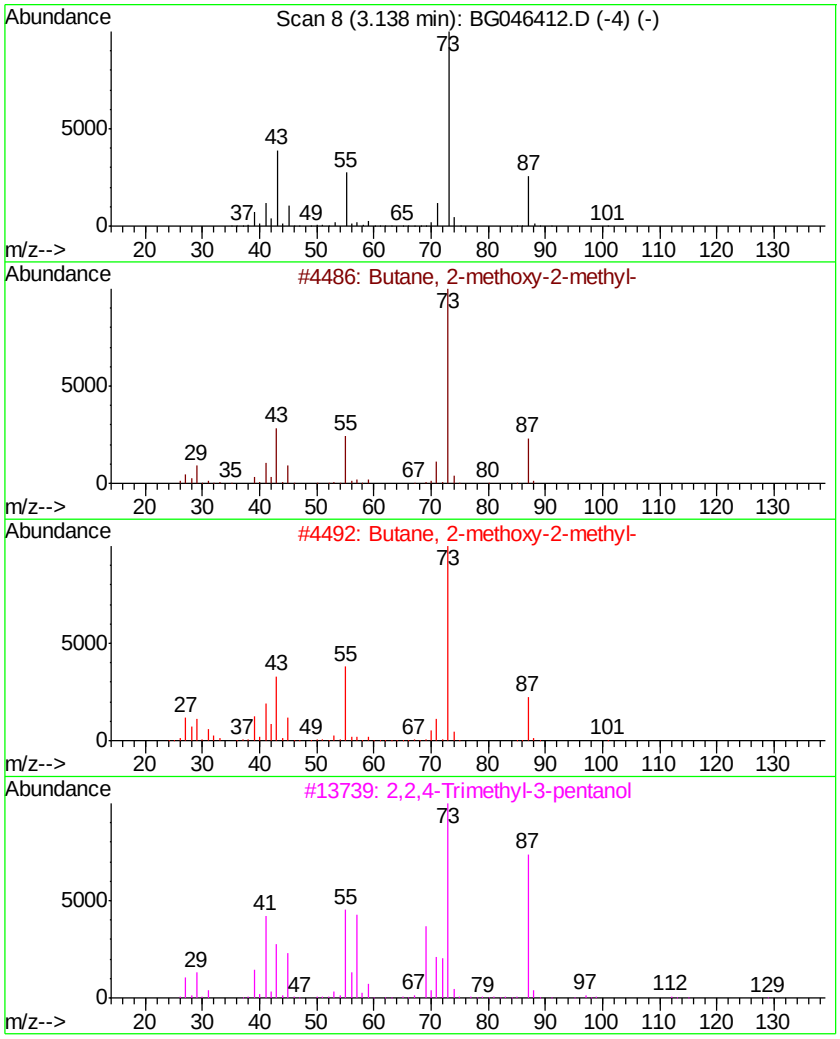
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

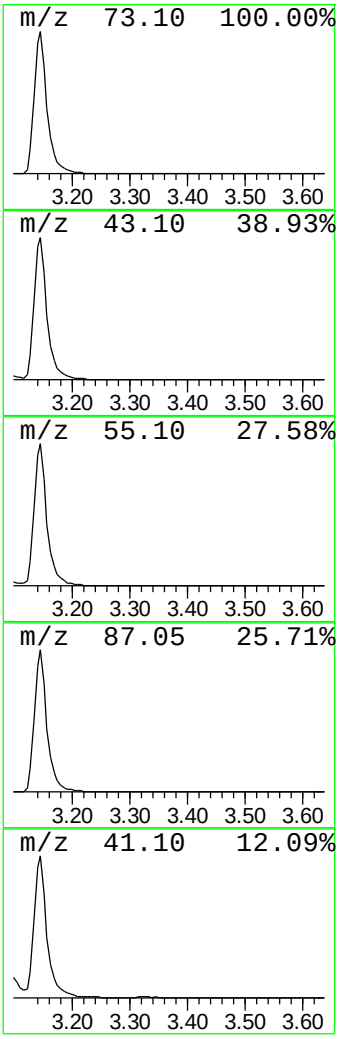
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	80.34 ng/ul	2362030	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

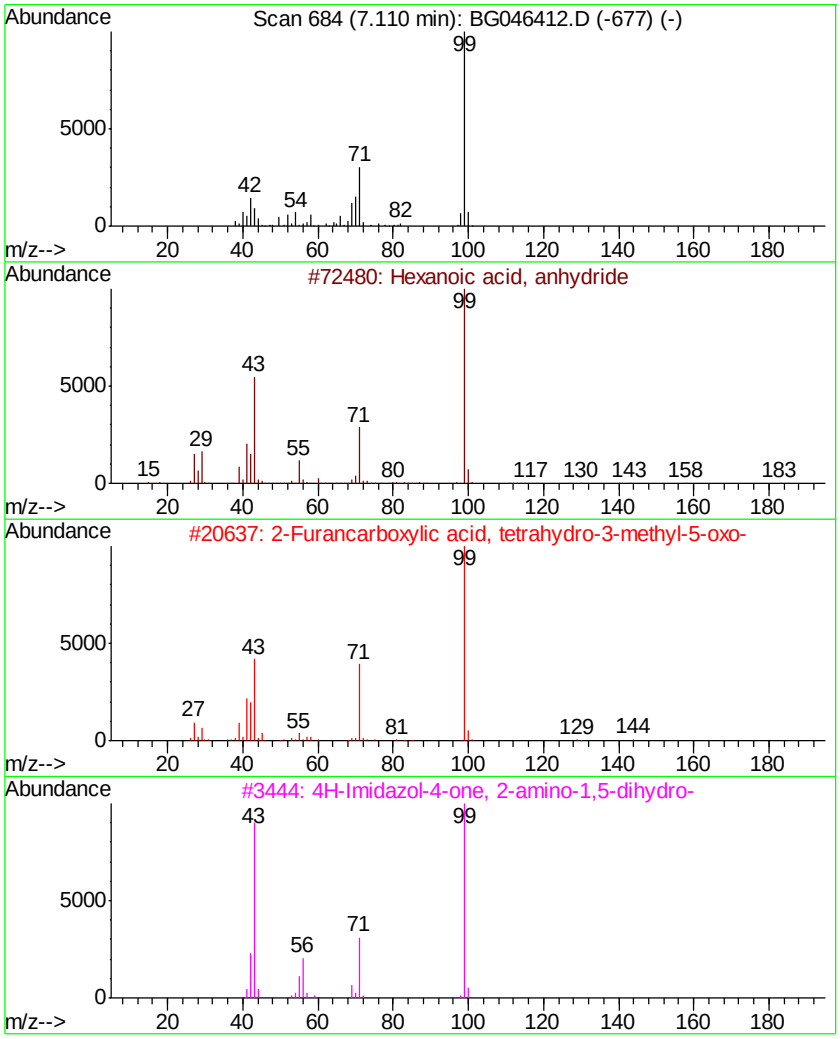
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

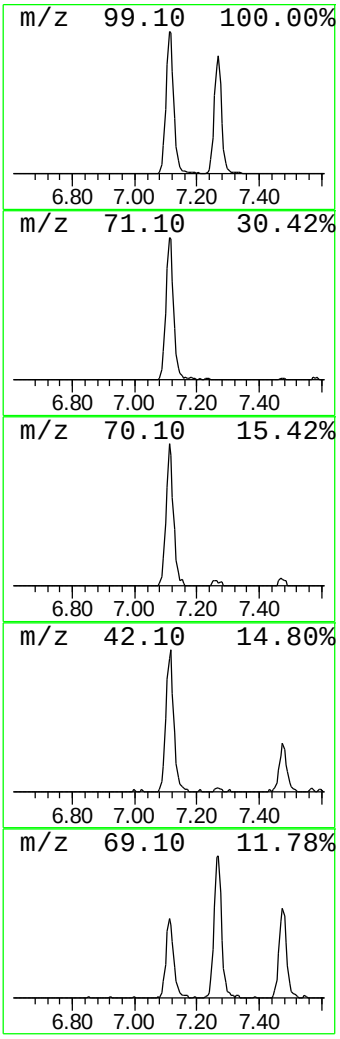
****

Peak Number 2 Hexanoic acid, anhydride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	10.94 ng/ul	321657	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
2	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
3	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
4	Phenol-d6-	100	C6D6O	013127-88-3	43
5	Succinimide	99	C4H5NO2	000123-56-8	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Acq On : 21 Aug 2020 14:00
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Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

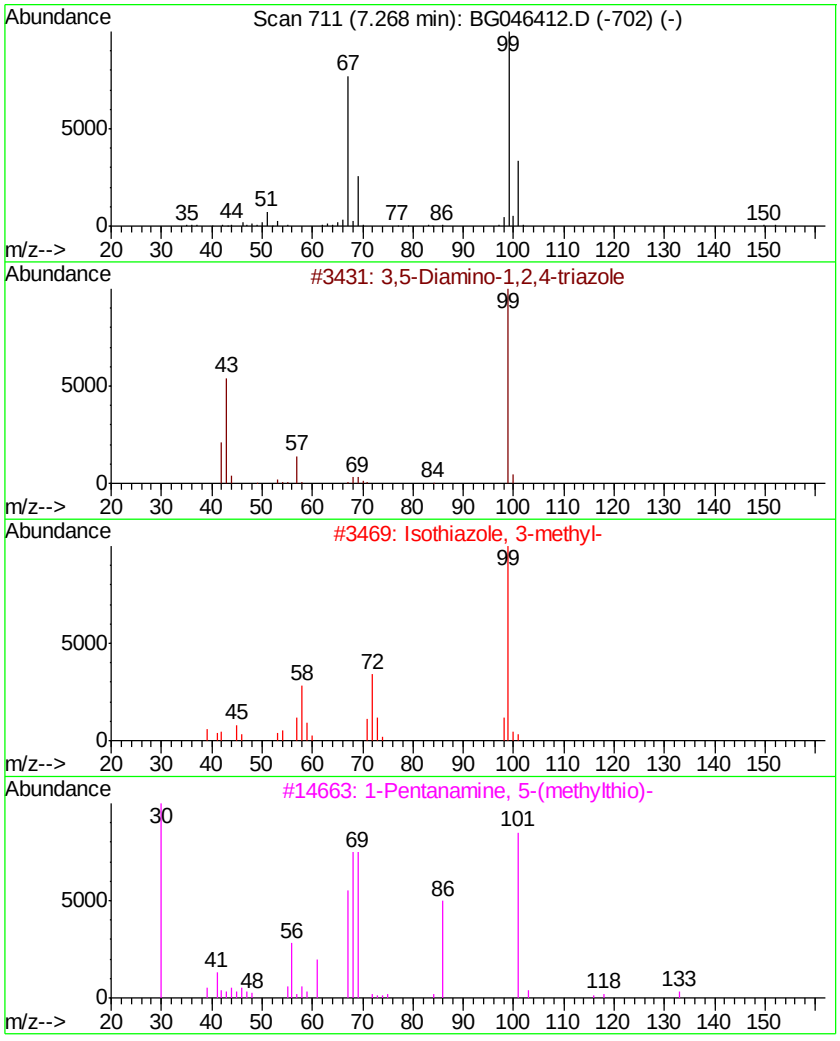
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

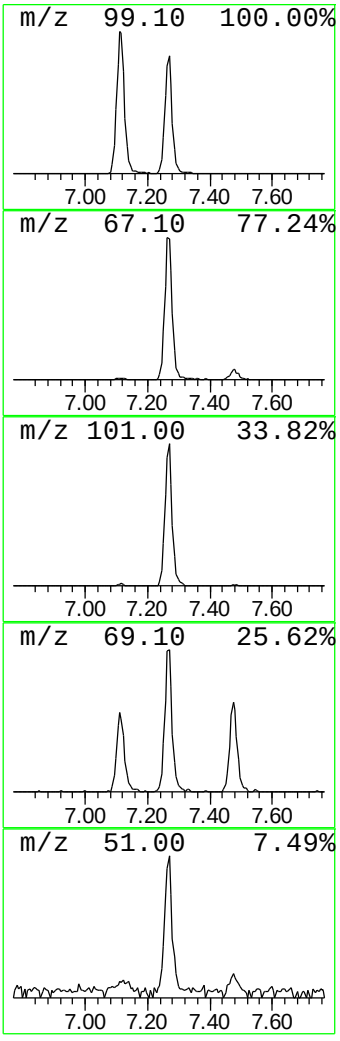
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	8.84 ng/ul	259912	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
5	Butanoic acid, 3,4-dichloro-, me...	170	C5H8Cl2O2	000819-93-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

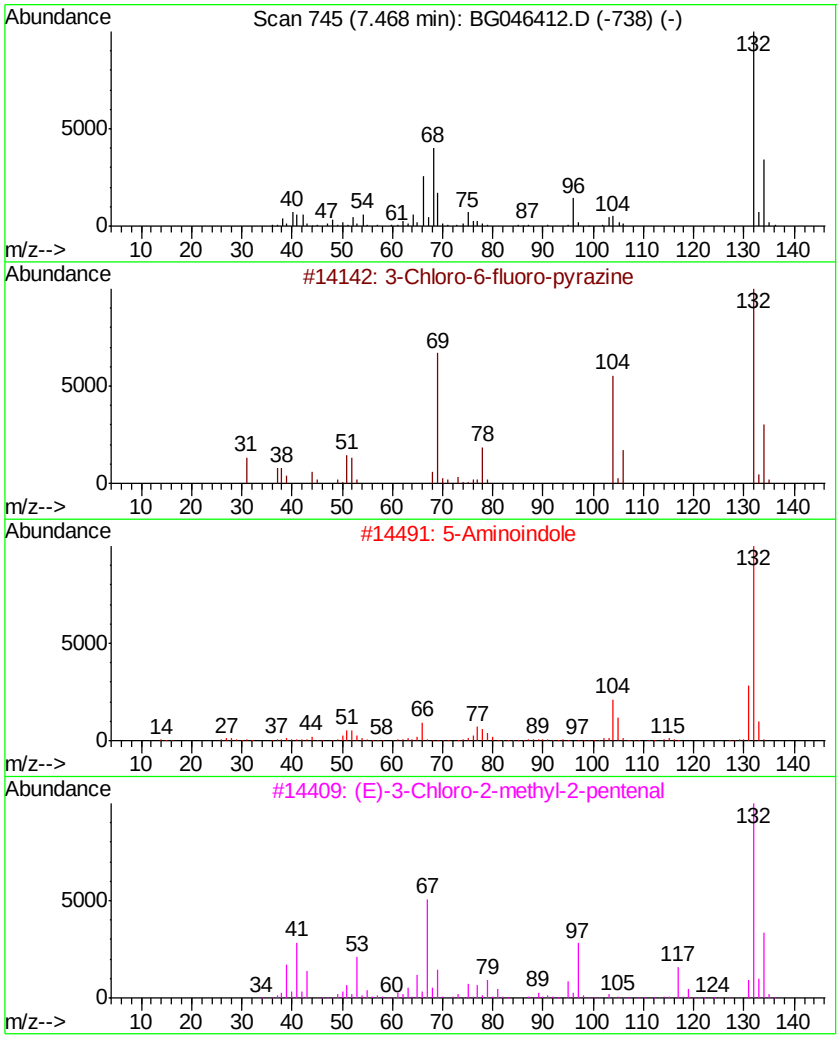
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

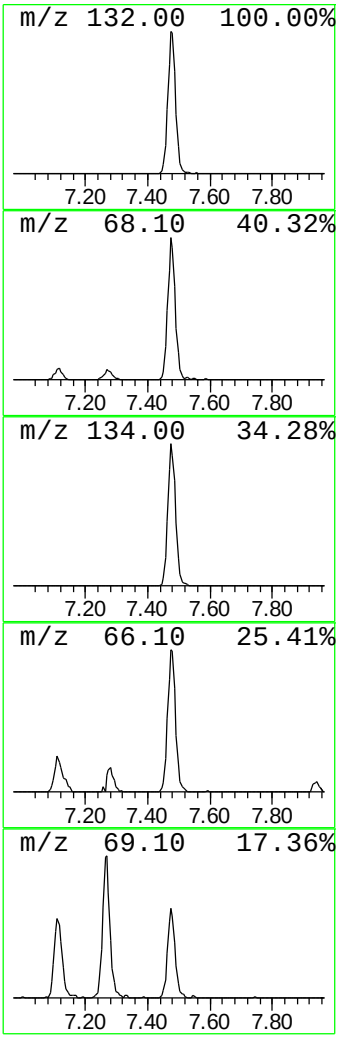
****

Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	11.33 ng/ul	333118	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	4-Ethylphenyl isocyanate	147	C9H9NO	023138-50-3	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

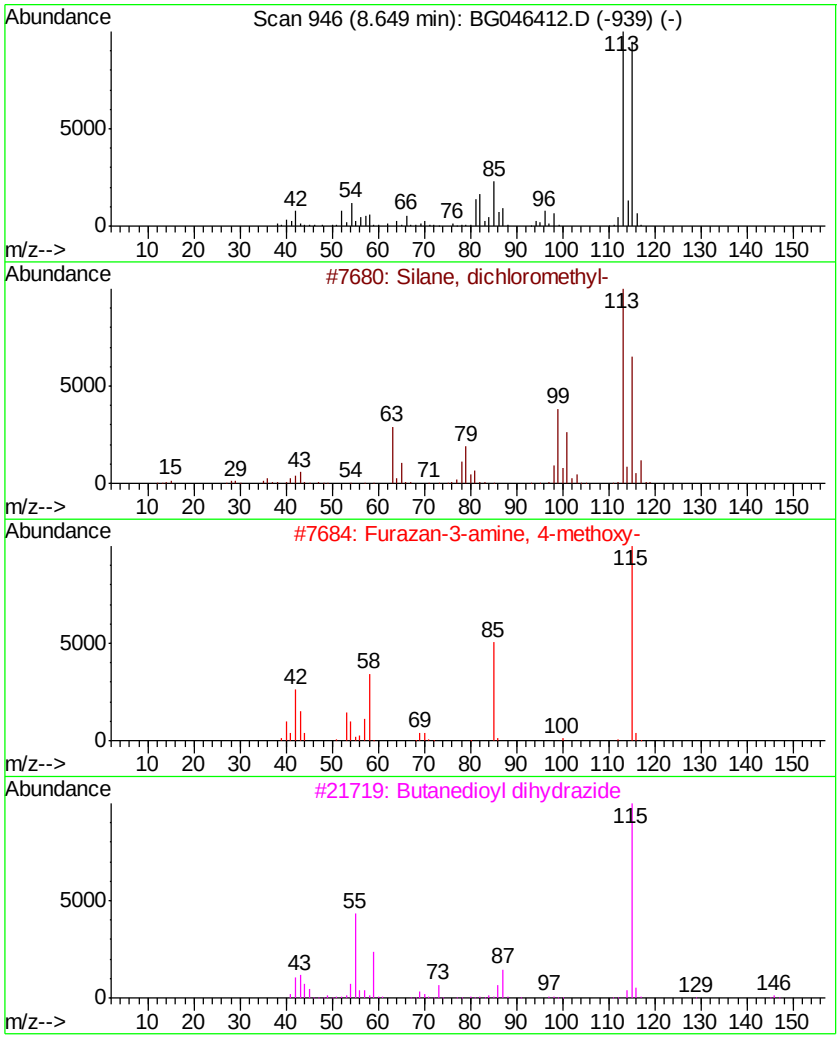
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

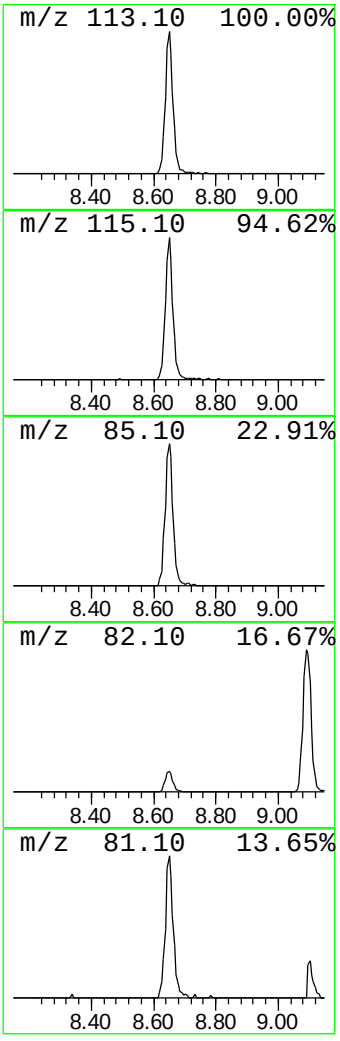
****

Peak Number 5 Silane, dichloromethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	13.53 ng/ul	397861	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	64
2	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	35
3	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	35
4	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
5	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32





Library Search Compound Report

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Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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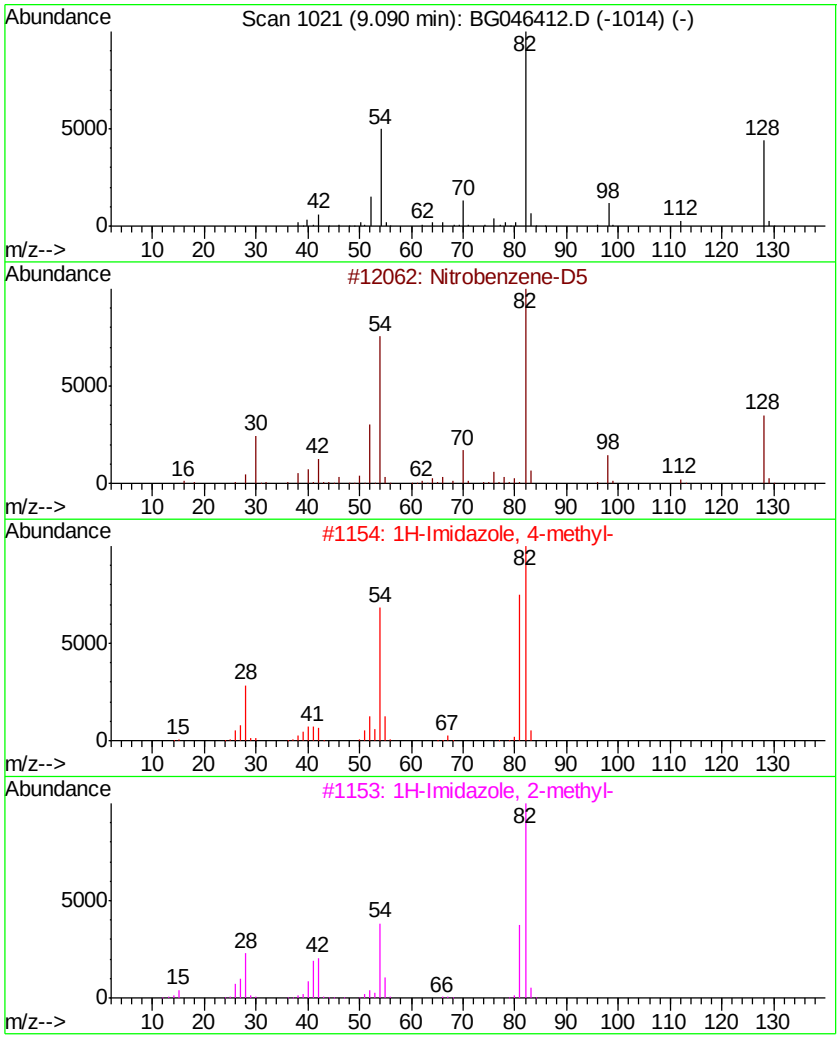
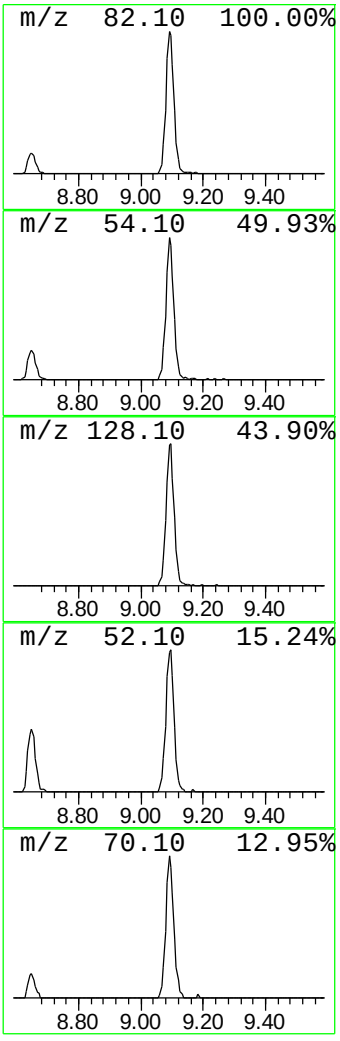
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	11.43 ng/ul	336122	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	64
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
4	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33





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ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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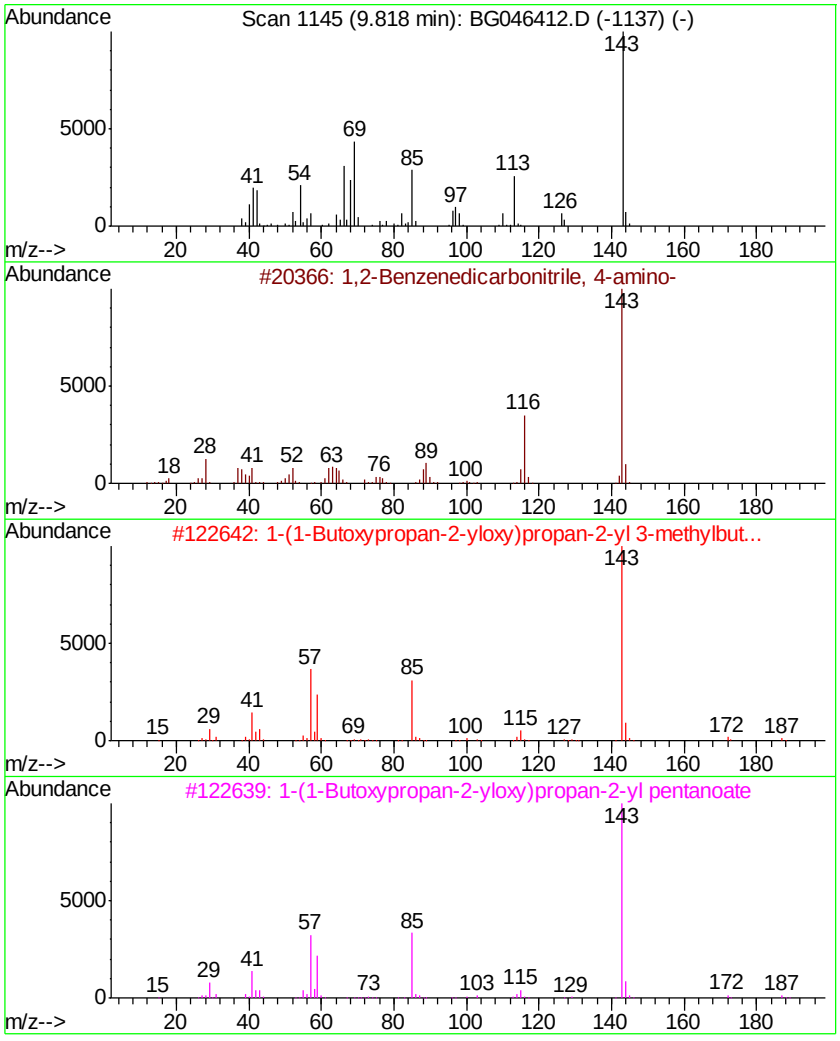
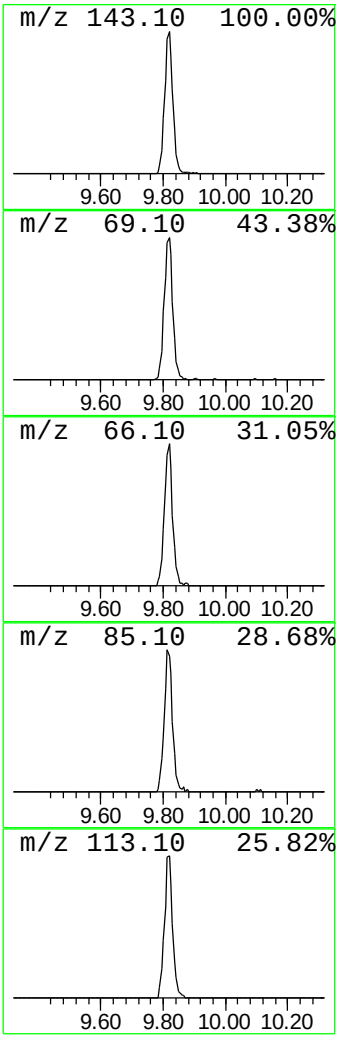
Peak Number 7 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	6.53 ng/ul	285478	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
3	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	12
4	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	10





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Quant Title : SVOA CALIBRATION

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

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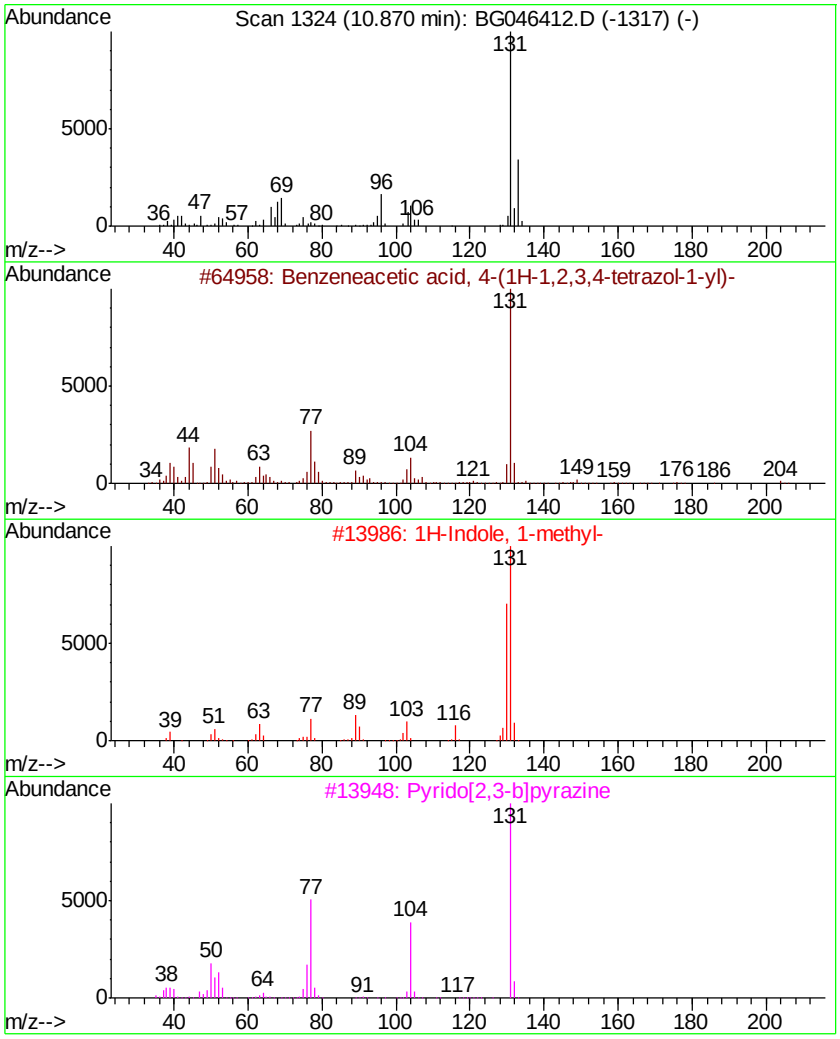
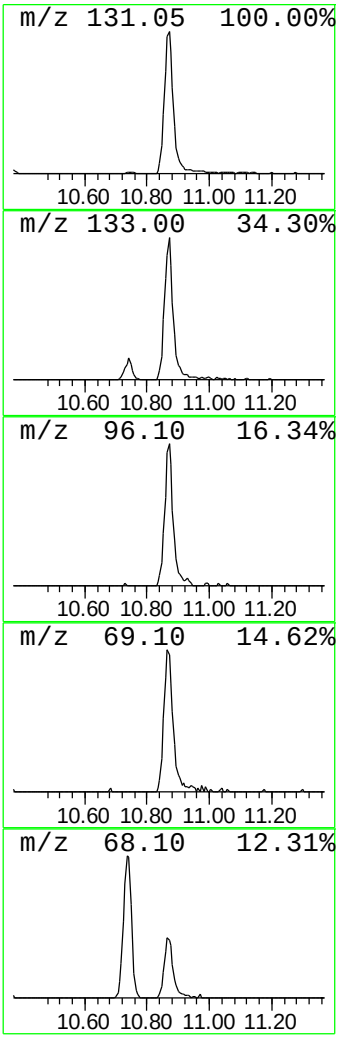
Peak Number 8 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	6.80 ng/ul	297164	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	9





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ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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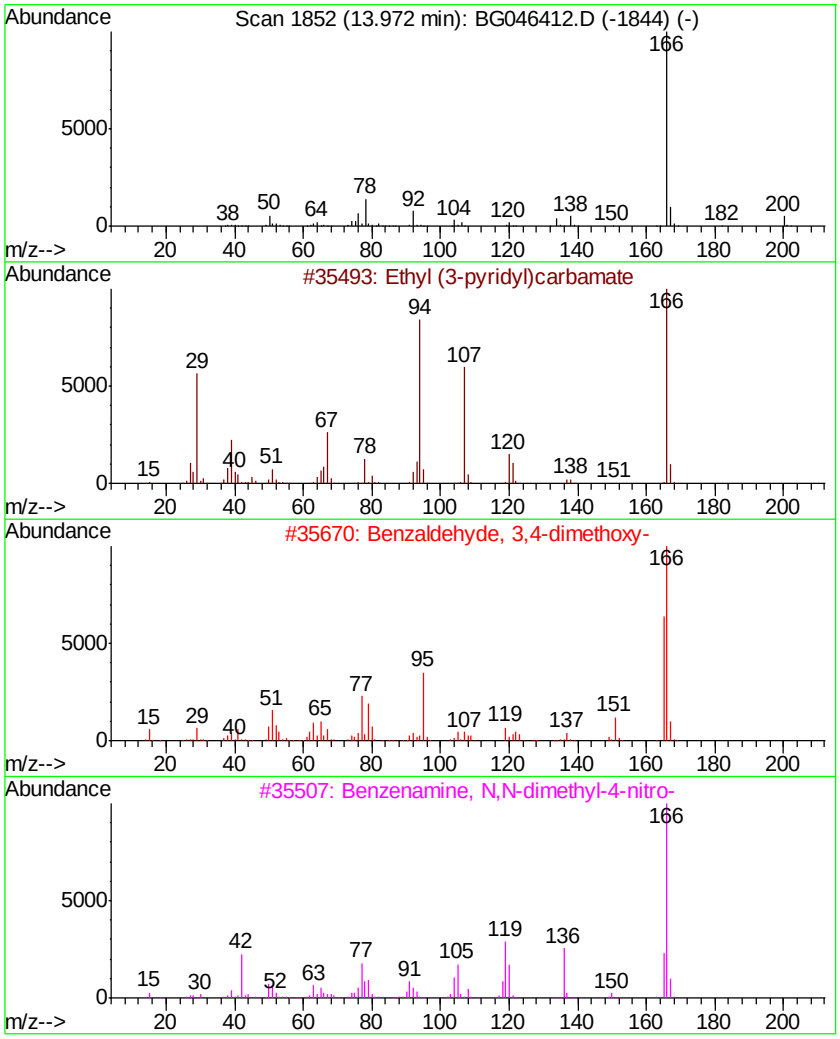
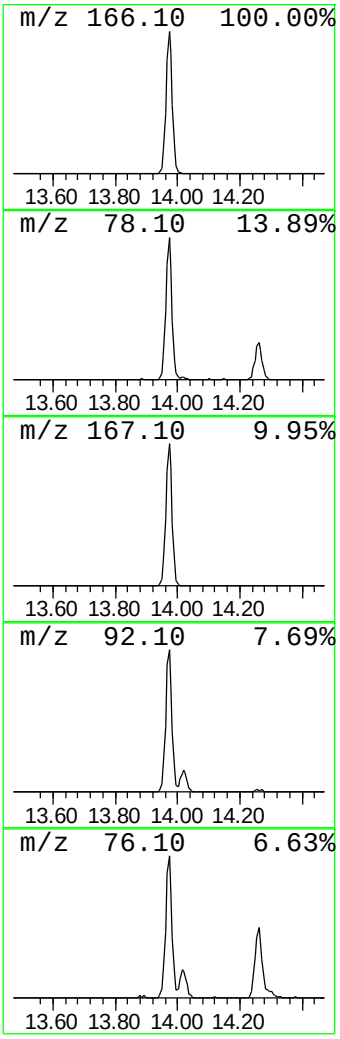
Peak Number 9 unknown-05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	11.74 ng/ul	729005	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
2	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	38
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
5	Benzo[b]tetrahydrofuran-3-one, 5...	166	C8H6O4	014771-00-7	9





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Instrument : BNA_G
ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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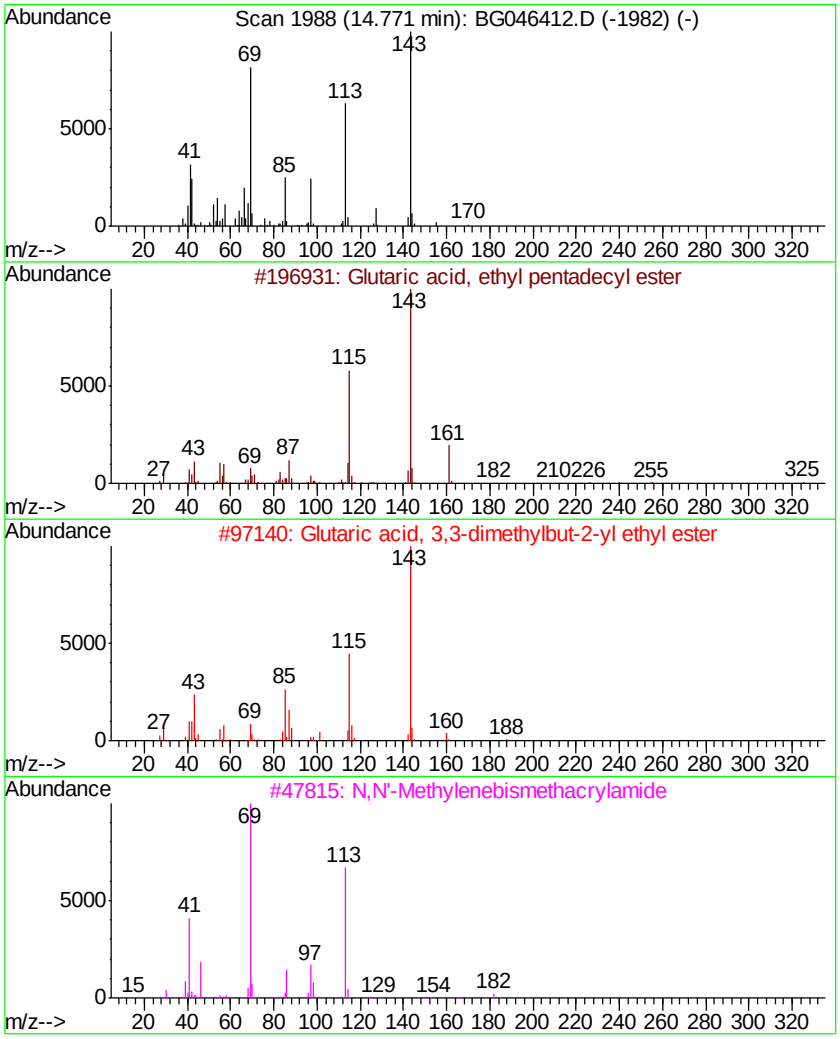
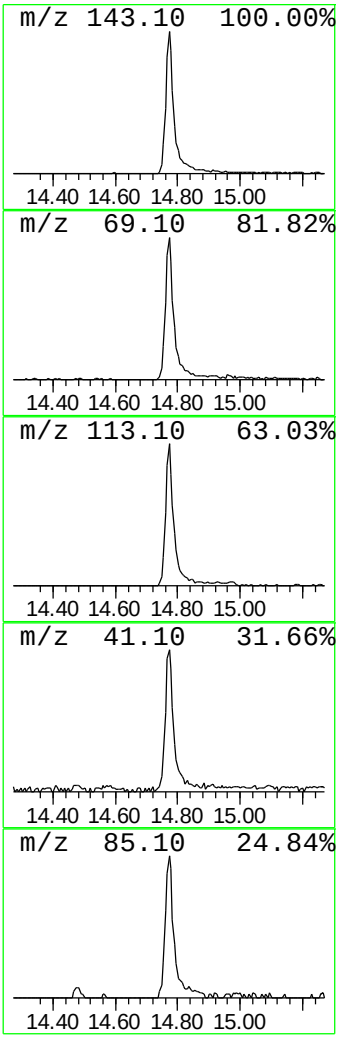
Peak Number 10 unknown-06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	4.16 ng/ul	258482	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, ethyl pentadecyl ...	370	C22H42O4	1000358-64-4	14
2	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	12
3	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	12
4	Glutaric acid, ethyl hexadecyl e...	384	C23H44O4	1000358-35-6	10
5	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	10





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Quant Title : SVOA CALIBRATION

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

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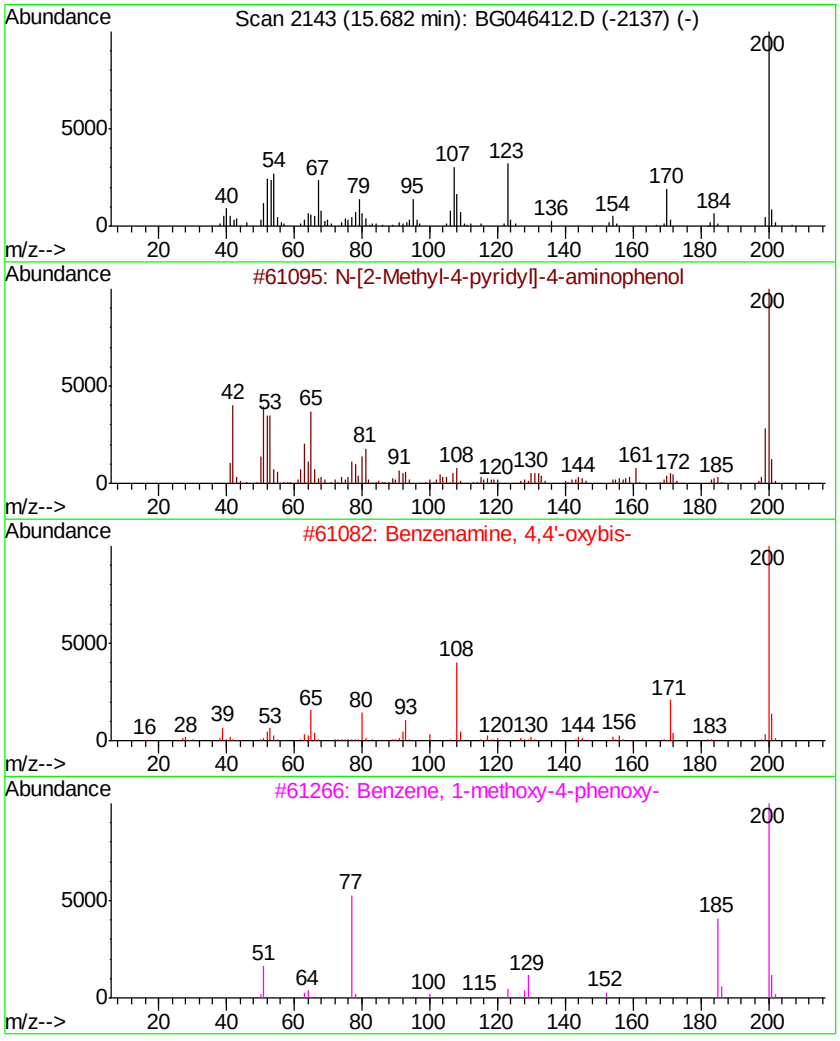
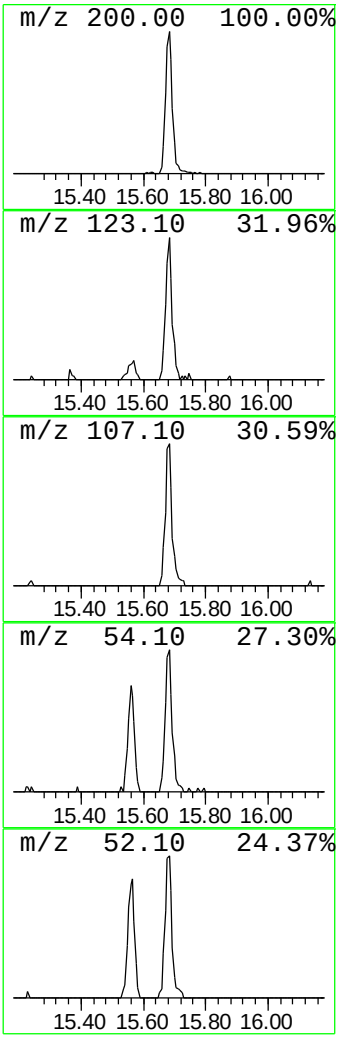
Peak Number 11 unknown-07 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.50 ng/ul	155140	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-[2-Methyl-4-pyridyl]-4-aminoph...	200	C12H12N2O	1000252-23-9	12
2	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
3	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	10
4	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	10
5	1,3-Dichloro-2,4,6-trifluorobenzene	200	C6HCl2F3	002368-53-8	9





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Sample : L3635-14
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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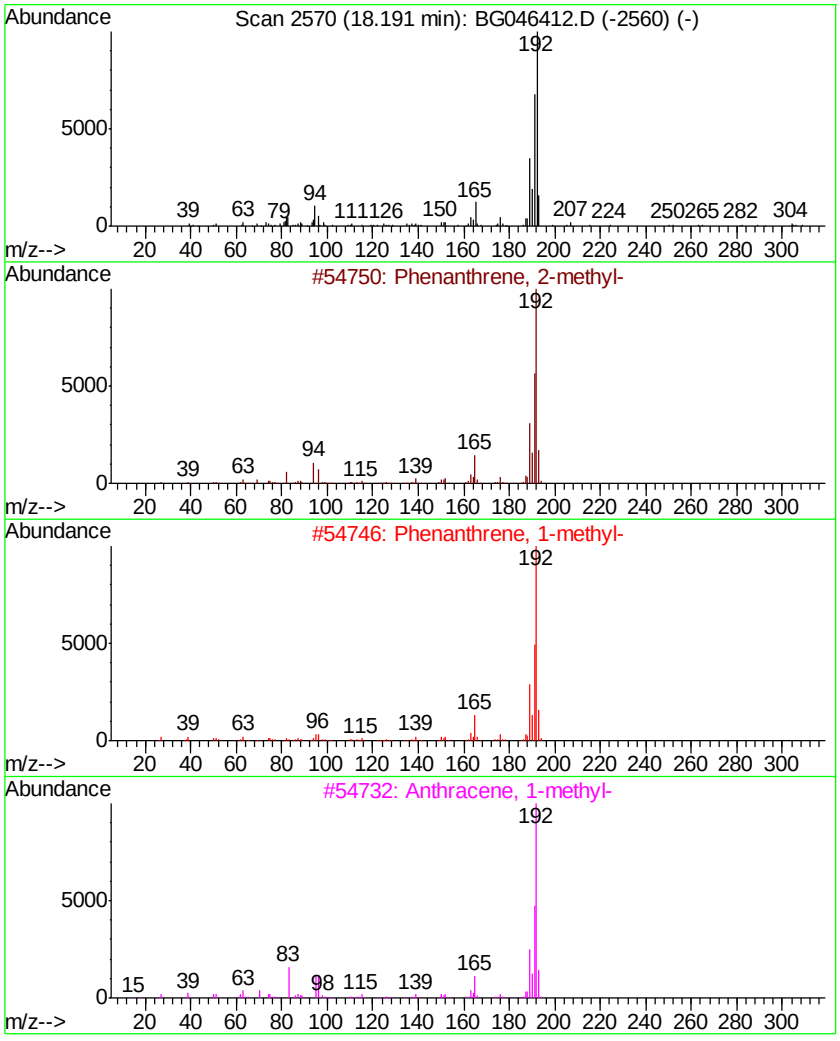
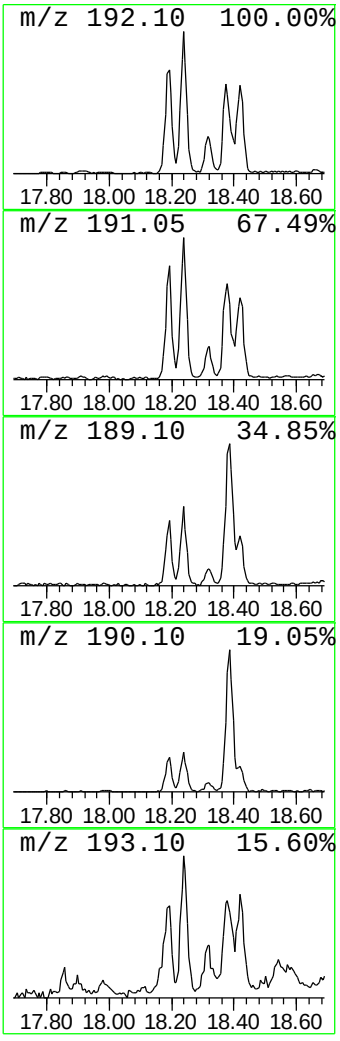
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.24 ng/ul	166392	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	81





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ0

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Quant Title : SVOA CALIBRATION

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

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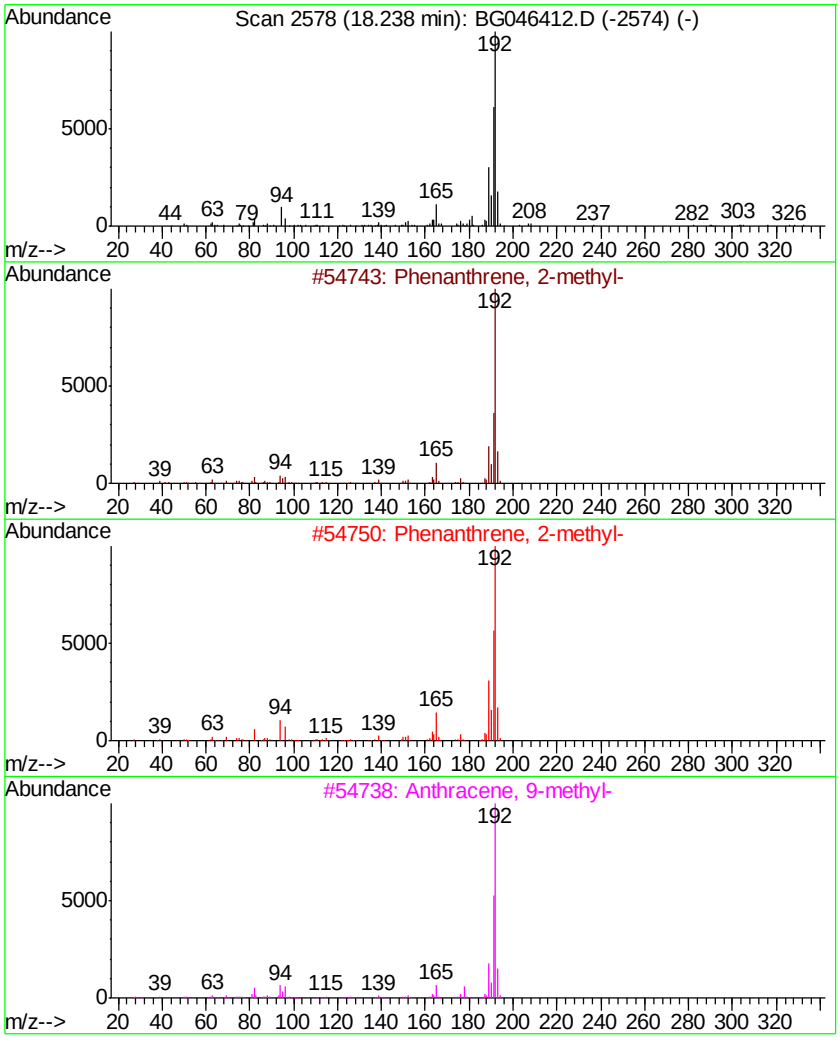
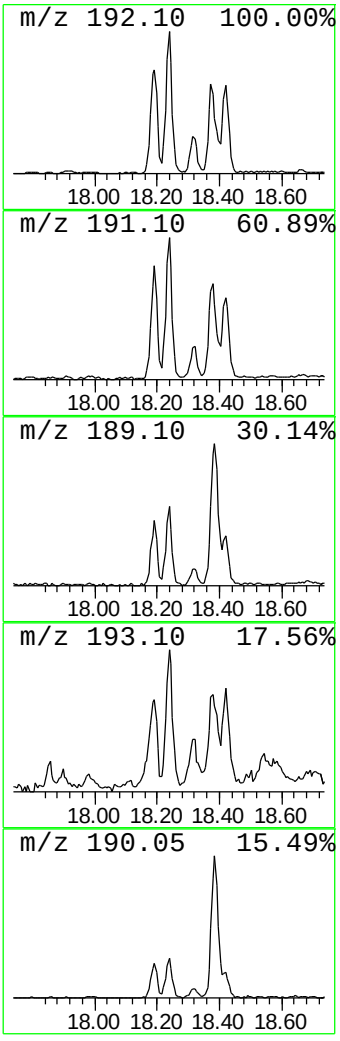
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.50 ng/ul	185042	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Quant Title : SVOA CALIBRATION

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

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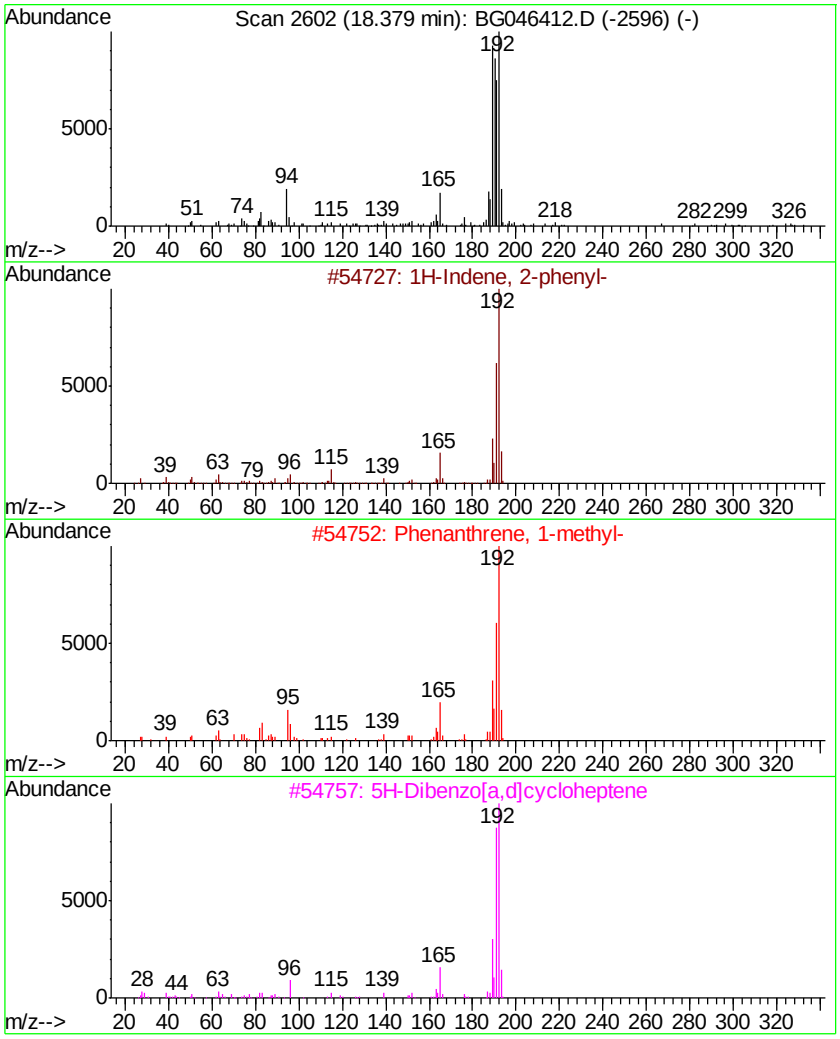
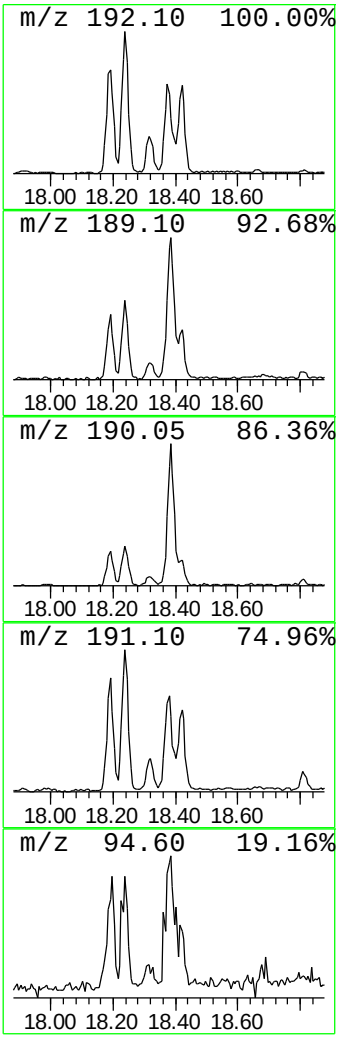
Peak Number 14 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.68 ng/ul	198356	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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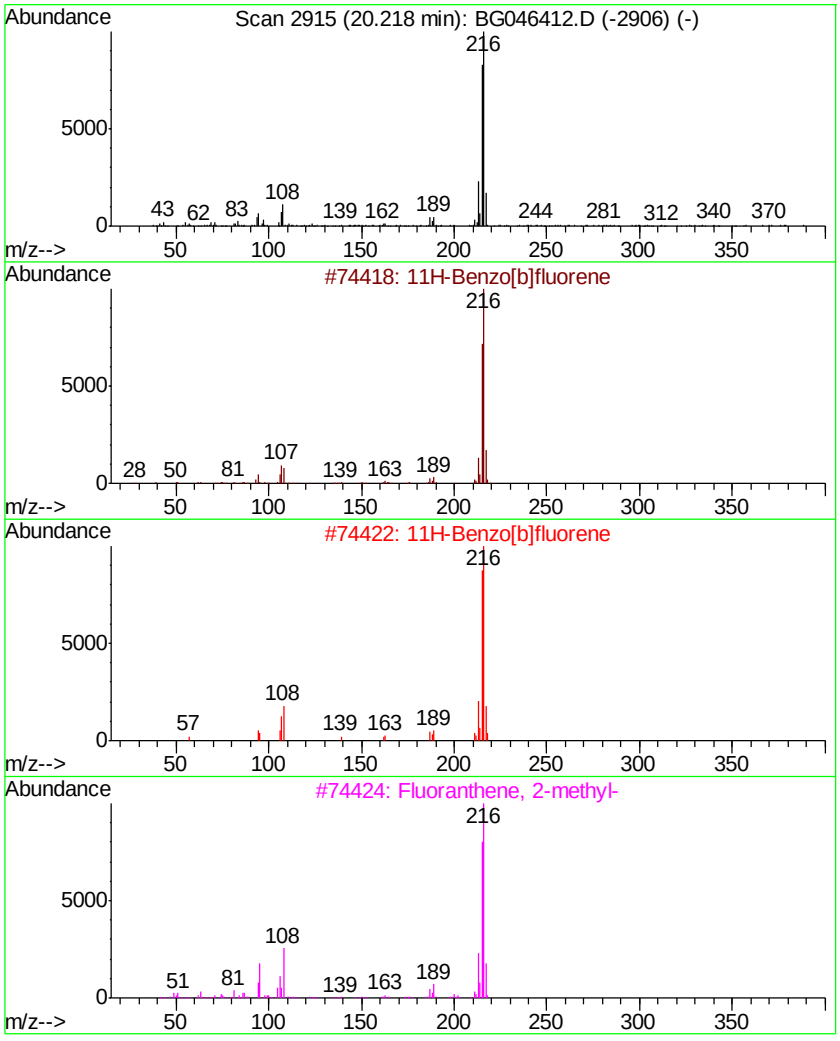
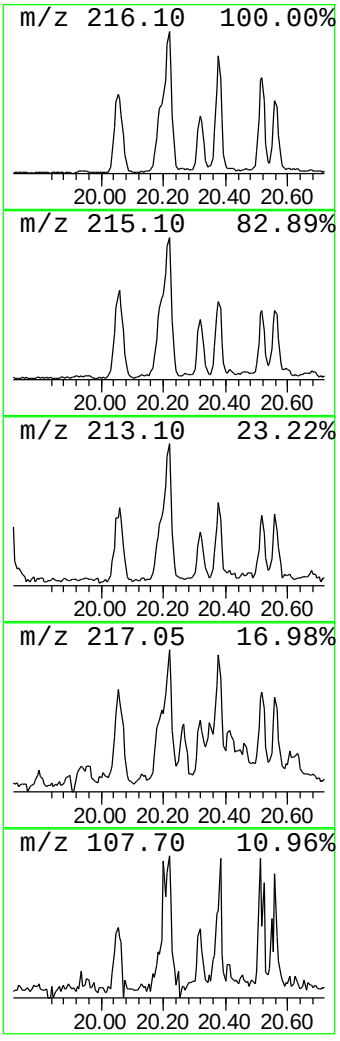
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.34 ng/ul	262612	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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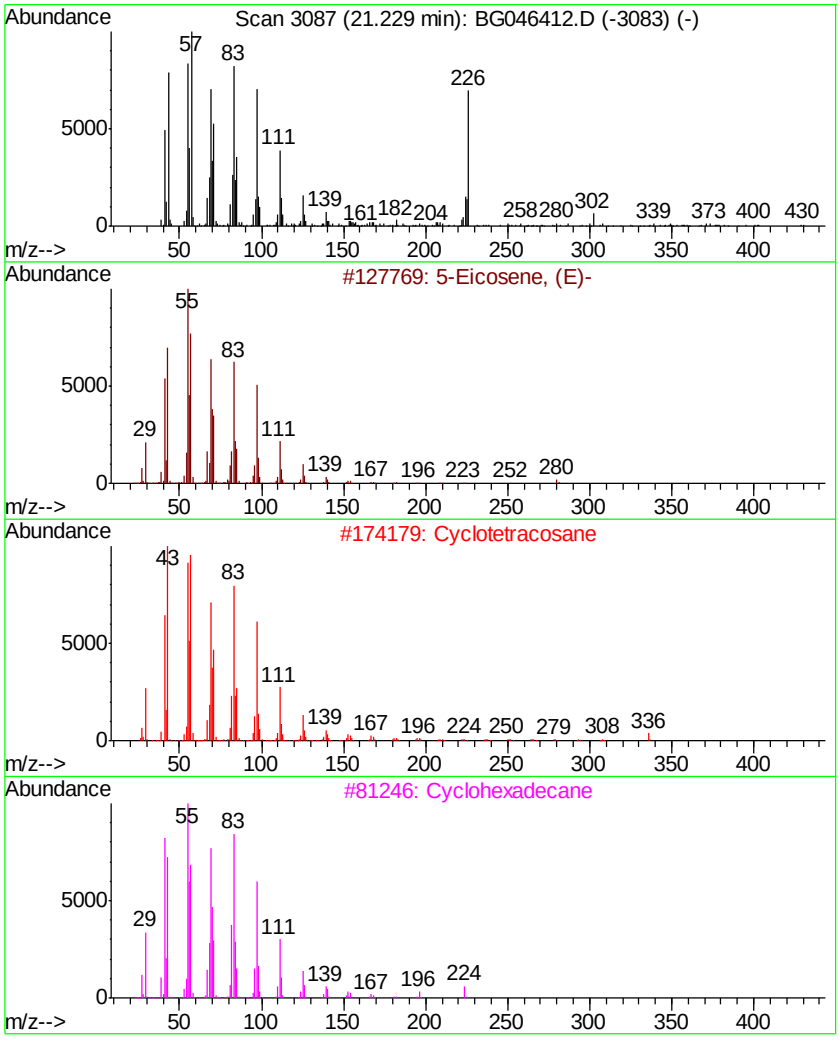
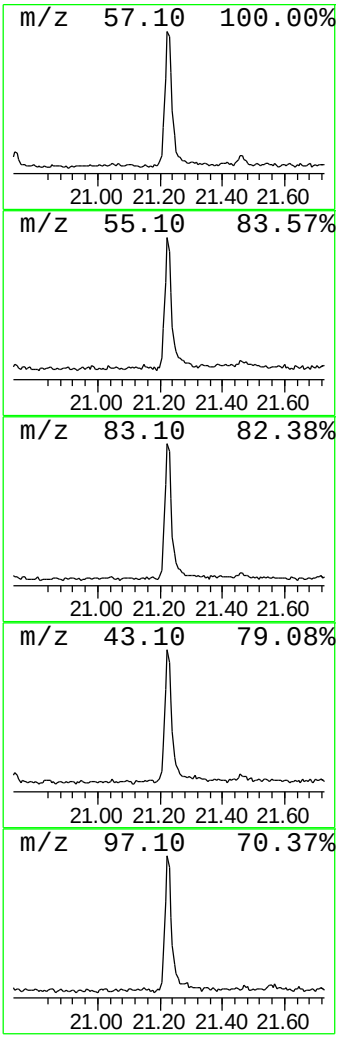
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	4.40 ng/ul	492417	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	Cyclotetracosane	336	C24H48	000297-03-0	95
3	Cyclohexadecane	224	C16H32	000295-65-8	94
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91





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Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

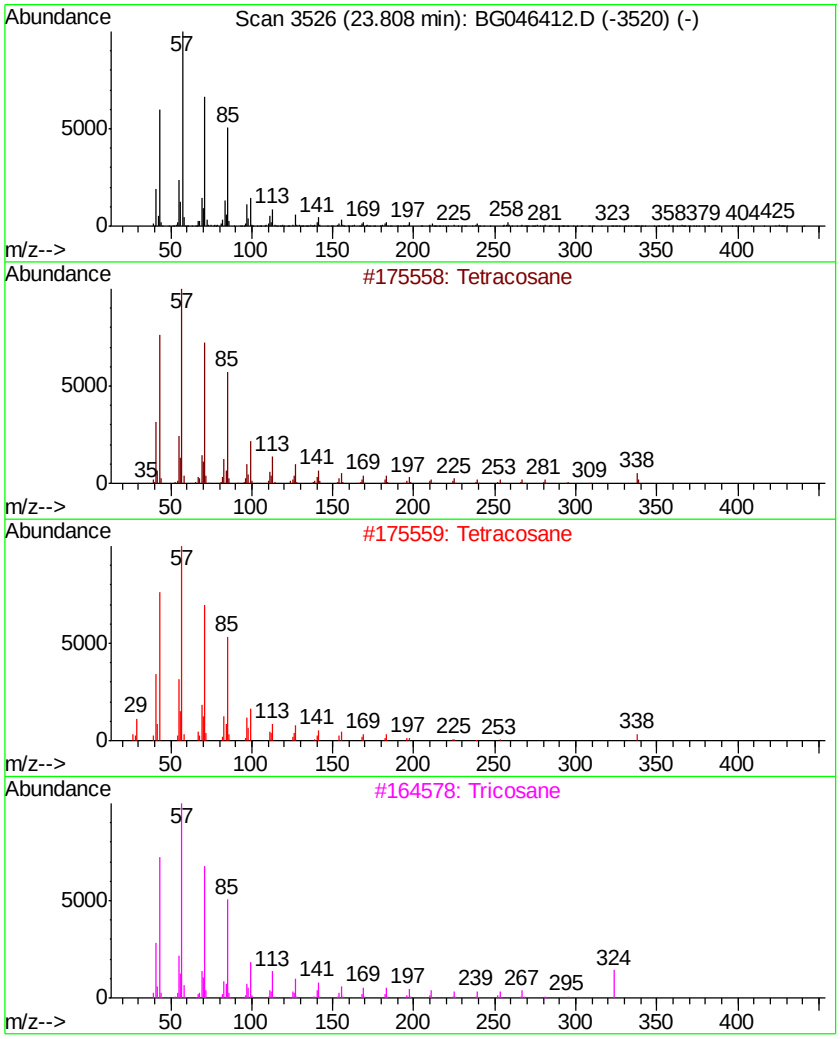
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

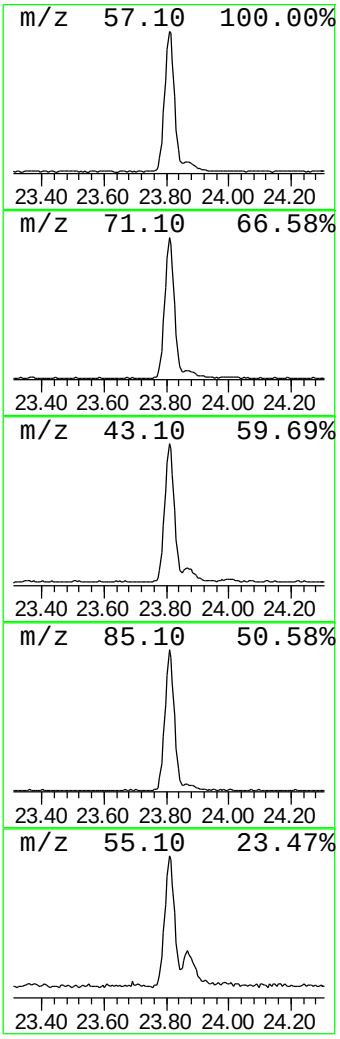
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	11.07 ng/ul	1013200	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Tetracosane	338	C24H50	000646-31-1	96
3	Tricosane	324	C23H48	000638-67-5	95
4	Tricosane	324	C23H48	000638-67-5	94
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

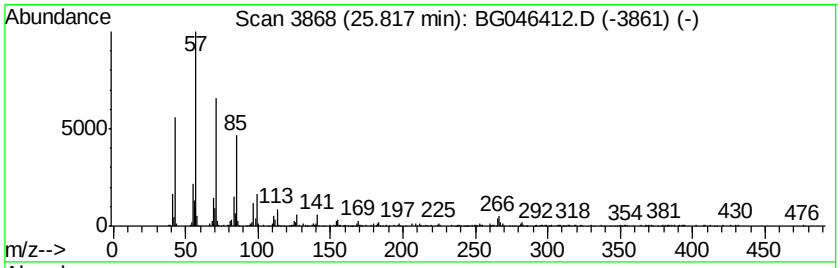
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

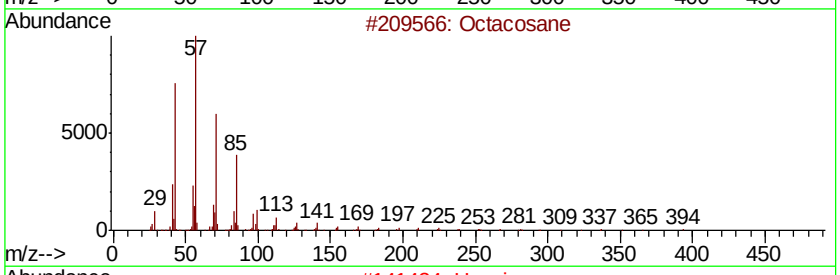
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

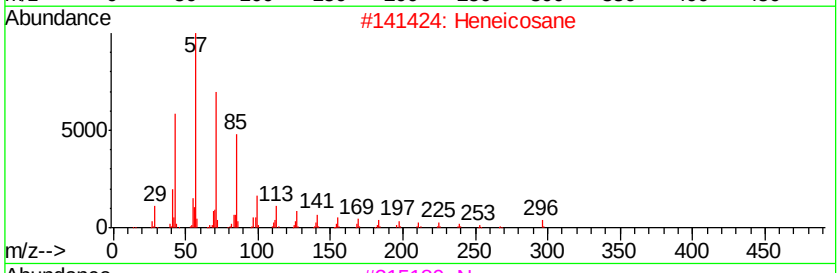
****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 11

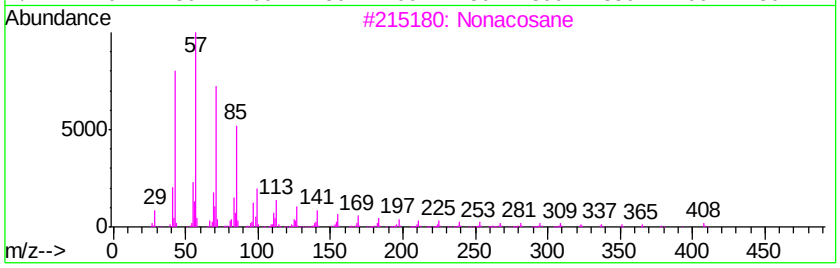
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.82	6.50 ng/ul	595150	Perylene-d12	24.68

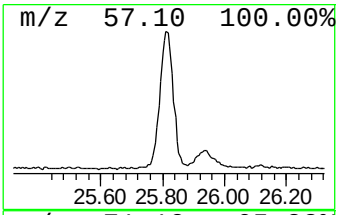
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	99
2	Heneicosane	296	C21H44	000629-94-7	97
3	Nonacosane	408	C29H60	000630-03-5	95
4	Eicosane	282	C20H42	000112-95-8	95
5	Eicosane	282	C20H42	000112-95-8	93

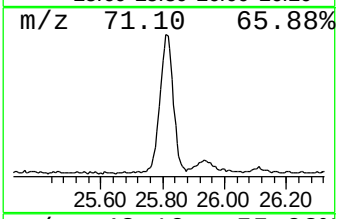


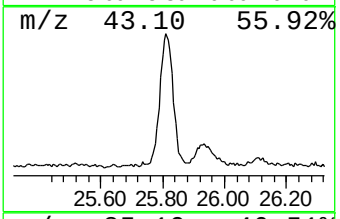


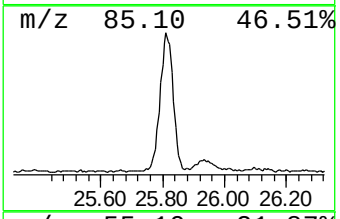


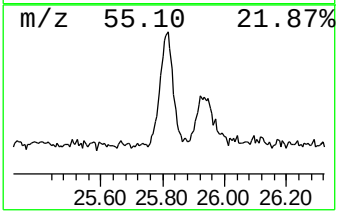












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046412.D
Acq On : 21 Aug 2020 14:00
Operator : CG/JU
Sample : L3635-14
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.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
Butane, 2-methoxy...	3.14	80.3	ng/ul	2362030	1	7.94	588044	20.0
Hexanoic acid, an...	7.11	10.9	ng/ul	321657	1	7.94	588044	20.0
unknown-01	7.27	8.8	ng/ul	259912	1	7.94	588044	20.0
unknown-02	7.47	11.3	ng/ul	333118	1	7.94	588044	20.0
Silane, dichlorom...	8.65	13.5	ng/ul	397861	1	7.94	588044	20.0
1H-Imidazole, 4-m...	9.09	11.4	ng/ul	336122	1	7.94	588044	20.0
unknown-03	9.82	6.5	ng/ul	285478	2	10.73	873854	20.0
unknown-04	10.87	6.8	ng/ul	297164	2	10.73	873854	20.0
unknown-05	13.97	11.7	ng/ul	729005	3	14.57	1241880	20.0
unknown-06	14.77	4.2	ng/ul	258482	3	14.57	1241880	20.0
unknown-07	15.68	2.5	ng/ul	155140	3	14.57	1241880	20.0
Phenanthrene, 2-m...	18.19	2.2	ng/ul	166392	4	17.31	1483010	20.0
Anthracene, 9-met...	18.24	2.5	ng/ul	185042	4	17.31	1483010	20.0
1H-Indene, 2-phenyl-	18.38	2.7	ng/ul	198356	4	17.31	1483010	20.0
11H-Benzo[b]fluorene	20.22	2.3	ng/ul	262612	5	21.56	2240590	20.0
(DEL) Alkane: Str...	21.23	4.4	ng/ul	492417	5	21.56	2240590	20.0
(DEL) Alkane: Str...	23.81	11.1	ng/ul	1013200	6	24.68	1830380	20.0
(DEL) Alkane: Str...	25.82	6.5	ng/ul	595150	6	24.68	1830380	20.0