LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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	3.146	5	10	43	rVB	1183227	2234249	100.00%	10.015%
2	3.916	138	141	151	rVB2	16980	26765	1.20%	0.120%
3	4.051	159	164	172	rBV	10762	20388	0.91%	0.091%
4	5.050	330	334	340	rBV2	10778	15770	0.71%	0.071%
5	7.106	678	684	694	rBV	39278	75699	3.39%	0.339%
6	7.265	704	711	722	rBV	42409	74613	3.34%	0.334%
7	7.476	741	747	756	rBV	50252	87825	3.93%	0.394%
8	7.941	819	826	834	rBV	285501	493100	22.07%	2.210%
9	8.646	939	946	955	rBV2	45718	85566	3.83%	0.384%
10	9.092	1016	1022	1033	rVB	45640	83778	3.75%	0.376%
11	9.815	1140	1145	1152	rBV2	35081	64997	2.91%	0.291%
12	10.361	1231	1238	1249	rBV	50516	101495	4.54%	0.455%
13	10.737	1291	1302	1309	rBV	403415	725088	32.45%	3.250%
14	10.872	1316	1325	1331	rBV	29662	56658	2.54%	0.254%
15	12.612	1615	1621	1629	rVB2	8440	15482	0.69%	0.069%
16	13.892	1834	1839	1843	rVV2	16214	28099	1.26%	0.126%
17	13.969	1843	1852	1857	rVV	128463	206761	9.25%	0.927%
18	14.016	1857	1860	1867	rVV	38598	57853	2.59%	0.259%
19	14.257	1895	1901	1917	rBV2	135609	256596	11.48%	1.150%
20	14.568	1944	1954	1961	rBV2	651822	1037909	46.45%	4.652%
21	14.633	1961	1965	1972	rVV2	16058	28201	1.26%	0.126%
22	14.780	1984	1990	1999	rBV7	7963	19982	0.89%	0.090%
23	14.968	2017	2022	2029	rVB	30519	46026	2.06%	0.206%
24	15.044	2029	2035	2041	rVB3	10696	16536	0.74%	0.074%
25	15.185	2053	2059	2064	rVB2	9503	17327	0.78%	0.078%
26	15.361	2077	2089	2092	rBV6	7930	19179	0.86%	0.086%
27	15.555	2114	2122	2128	rVV	194050	305955	13.69%	1.371%
28	15.608	2128	2131	2138	rVV2	35399	59798	2.68%	0.268%
29	15.673	2138	2142	2150	rVV3	21309	41577	1.86%	0.186%
30	15.908	2177	2182	2190	rVV	25736	42353	1.90%	0.190%
31	16.055	2200	2207	2216	rVV2	28597	59310	2.65%	0.266%
32	16.290	2242	2247	2255	rVB8	11927	21794	0.98%	0.098%
33	16.619	2292	2303	2307	rBV8	14989	40880	1.83%	0.183%
34	16.848	2334	2342	2346	rBV4	24620	45212	2.02%	0.203%

LSC Area Percent Report

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Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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	16.889	2346	2349	2352	rVV3	15963	20240	0.91%	0.091%
36	16.959	2357	2361	2369	rVB2	53769	88218	3.95%	0.395%
37	17.042	2369	2375	2381	rBV2	24768	53515	2.40%	0.240%
38	17.124	2386	2389	2400	rVB	25266	45713	2.05%	0.205%
39	17.312	2414	2421	2424	rBV	815447	1245056	55.73%	5.581%
40	17.353	2424	2428	2433	rVV	493928	736597	32.97%	3.302%
41	17.406	2433	2437	2441	rVV2	202035	311975	13.96%	1.398%
42	17.441	2441	2443	2448	rVB	80327	95100	4.26%	0.426%
43	17.500	2448	2453	2460	rVB4	15328	28872	1.29%	0.129%
44	17.623	2470	2474	2479	rVB3	12032	18364	0.82%	0.082%
45	17.706	2481	2488	2492	rBV2	32418	61976	2.77%	0.278%
46	17.753	2492	2496	2502	rVB3	11437	16593	0.74%	0.074%
47	17.829	2504	2509	2512	rBV2	16519	21919	0.98%	0.098%
48	17.888	2516	2519	2524	rBV3	23660	32227	1.44%	0.144%
49	18.105	2553	2556	2560	rVB	15917	17776	0.80%	0.080%
50	18.187	2560	2570	2574	rBV	110638	194432	8.70%	0.872%
51	18.234	2574	2578	2584	rVB	159591	231799	10.37%	1.039%
52	18.311	2586	2591	2596	rVB	43517	66333	2.97%	0.297%
53	18.375	2596	2602	2606	rBV3	109903	208669	9.34%	0.935%
54	18.417	2606	2609	2616	rVB	81642	112868	5.05%	0.506%
55	18.493	2616	2622	2623	rBV4	12657	18305	0.82%	0.082%
56	18.681	2649	2654	2657	rBV	84422	120721	5.40%	0.541%
57	18.716	2657	2660	2665	rVB	97855	132734	5.94%	0.595%
58	18.928	2692	2696	2701	rBV2	34307	43154	1.93%	0.193%
59	18.981	2701	2705	2708	rBV	29403	37741	1.69%	0.169%
60	19.016	2708	2711	2716	rVB2	34422	45357	2.03%	0.203%
61	19.098	2716	2725	2730	rBV	83456	166661	7.46%	0.747%
62	19.163	2730	2736	2739	rBV6	30232	65154	2.92%	0.292%
63	19.233	2744	2748	2756	rVB	93530	151802	6.79%	0.680%
64	19.363	2764	2770	2776	rVB	826993	1133923	50.75%	5.083%
65	19.427	2776	2781	2783	rBV	27666	37638	1.68%	0.169%
66	19.457	2783	2786	2791	rVB3	31513	44636	2.00%	0.200%
67	19.509	2791	2795	2798	rBV2	35721	46467	2.08%	0.208%
68	19.551	2798	2802	2806	rBV	35459	48467	2.17%	0.217%
69	19.603	2808	2811	2814	rVV2	17611	21487	0.96%	0.096%
70	19.633	2814	2816	2821	rVB5	16509	17958	0.80%	0.080%
71	19.692	2821	2826	2828	rBV2	386813	560595	25.09%	2.513%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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	19.721	2828	2831	2838	rVB	618902	869756	38.93%	3.899%
73	19.791	2839	2843	2850	rVB2	57033	99659	4.46%	0.447%
74	19.897	2854	2861	2867	rBV	60415	113668	5.09%	0.510%
75	19.956	2867	2871	2877	rVB3	43696	72232	3.23%	0.324%
76	20.056	2880	2888	2898	rBV4	84493	263303	11.78%	1.180%
77	20.179	2904	2909	2911	rBV4	63342	101001	4.52%	0.453%
78	20.214	2912	2915	2919	rVB	94367	120603	5.40%	0.541%
79	20.314	2928	2932	2935	rBV3	33706	43677	1.95%	0.196%
80	20.367	2935	2941	2946	rBV2	102239	194383	8.70%	0.871%
81	20.455	2952	2956	2961	rBV3	27393	49476	2.21%	0.222%
82	20.508	2962	2965	2969	rVV	54208	73596	3.29%	0.330%
83	20.567	2969	2975	2979	rVV4	196319	292272	13.08%	1.310%
84	20.608	2979	2982	2987	rVB5	32944	51541	2.31%	0.231%
85	20.967	3038	3043	3049	rVB	144703	217544	9.74%	0.975%
86	21.131	3067	3071	3072	rBV	62410	80122	3.59%	0.359%
87	21.190	3077	3081	3084	rVV	69697	100524	4.50%	0.451%
88	21.225	3084	3087	3094	rVV3	122173	238504	10.67%	1.069%
89	21.290	3094	3098	3103	rVB	103333	150304	6.73%	0.674%
90	21.554	3135	3143	3148	rBV2	1018065	2110208	94.45%	9.459%
91	21.601	3148	3151	3163	rVB	344320	560559	25.09%	2.513%
92	22.271	3261	3265	3270	rVB	100840	164580	7.37%	0.738%
93	22.341	3273	3277	3287	rVB7	63642	160449	7.18%	0.719%
94	23.681	3497	3505	3513	rBV2	227908	782427	35.02%	3.507%
95	23.804	3522	3526	3531	rBV3	67351	122952	5.50%	0.551%
96	24.374	3618	3623	3628	rBV	89554	179066	8.01%	0.803%
97	24.445	3630	3635	3640	rVV	92436	170206	7.62%	0.763%
98	24.509	3641	3646	3660	rVB	177402	460023	20.59%	2.062%
99	24.662	3663	3672	3679	rBV2	515462	1440892	64.49%	6.459%
100	25.808	3861	3867	3875	rVB2	79279	212052	9.49%	0.951%

Sum of corrected areas: 22309442

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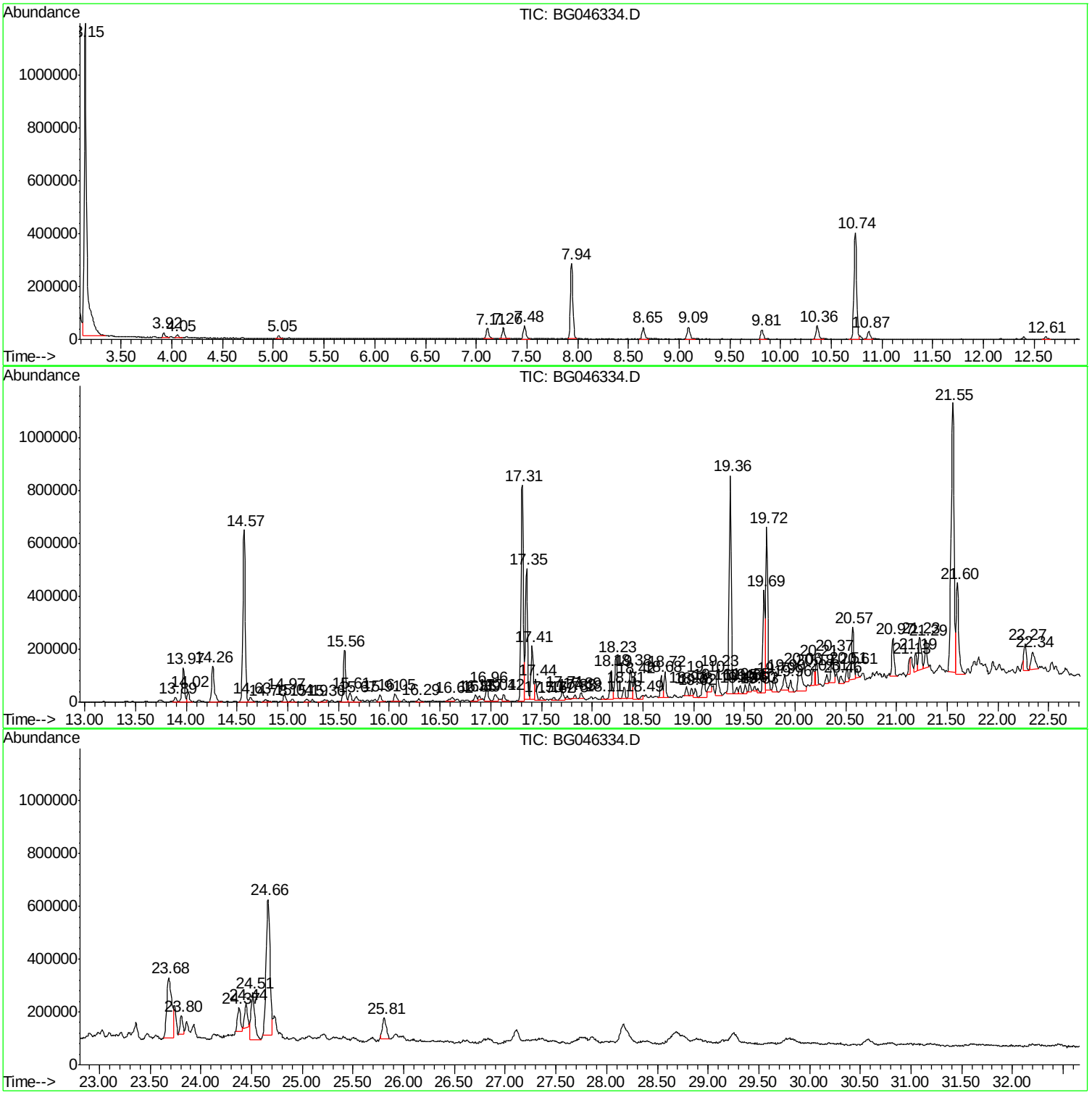
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BFMJ9

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\BG081720\
Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
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Quant Title : SVOA CALIBRATION

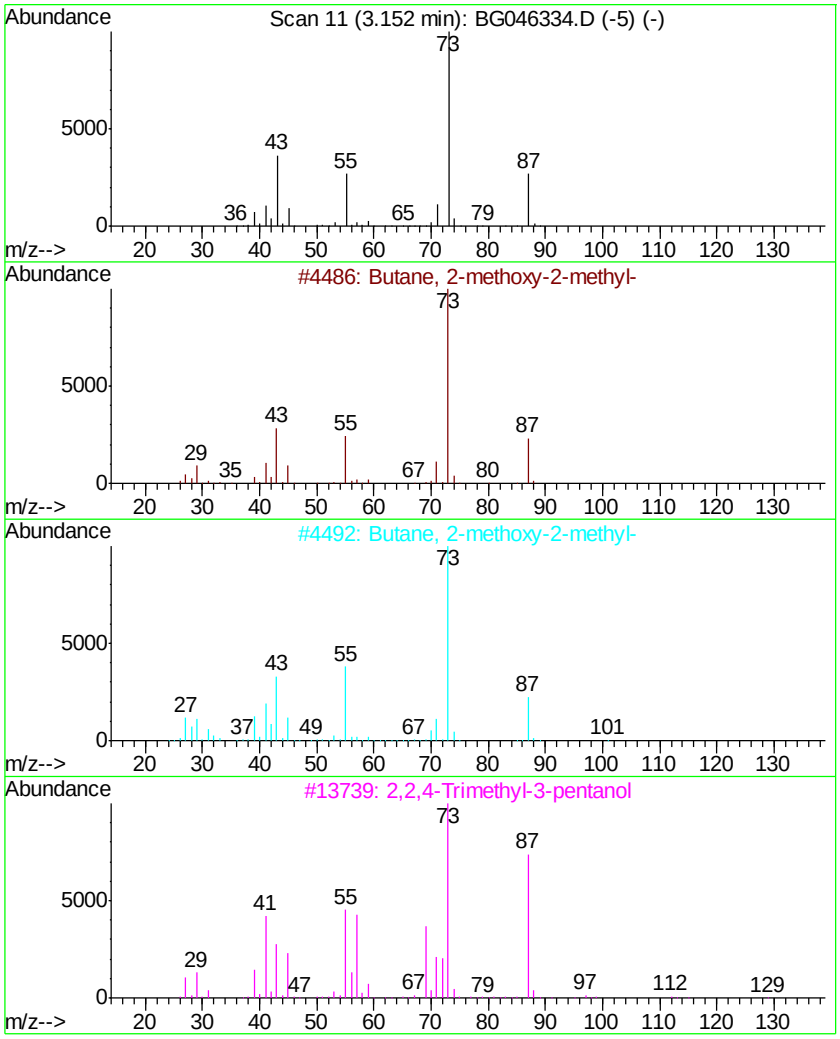
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

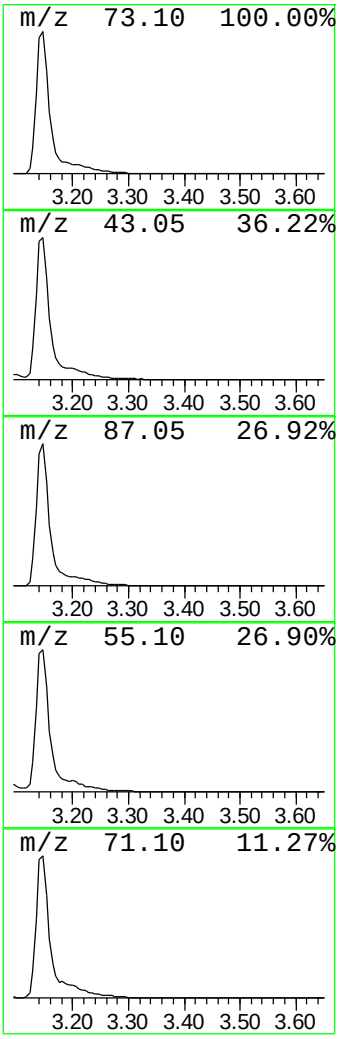
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	90.62 ng/ul	2234250	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

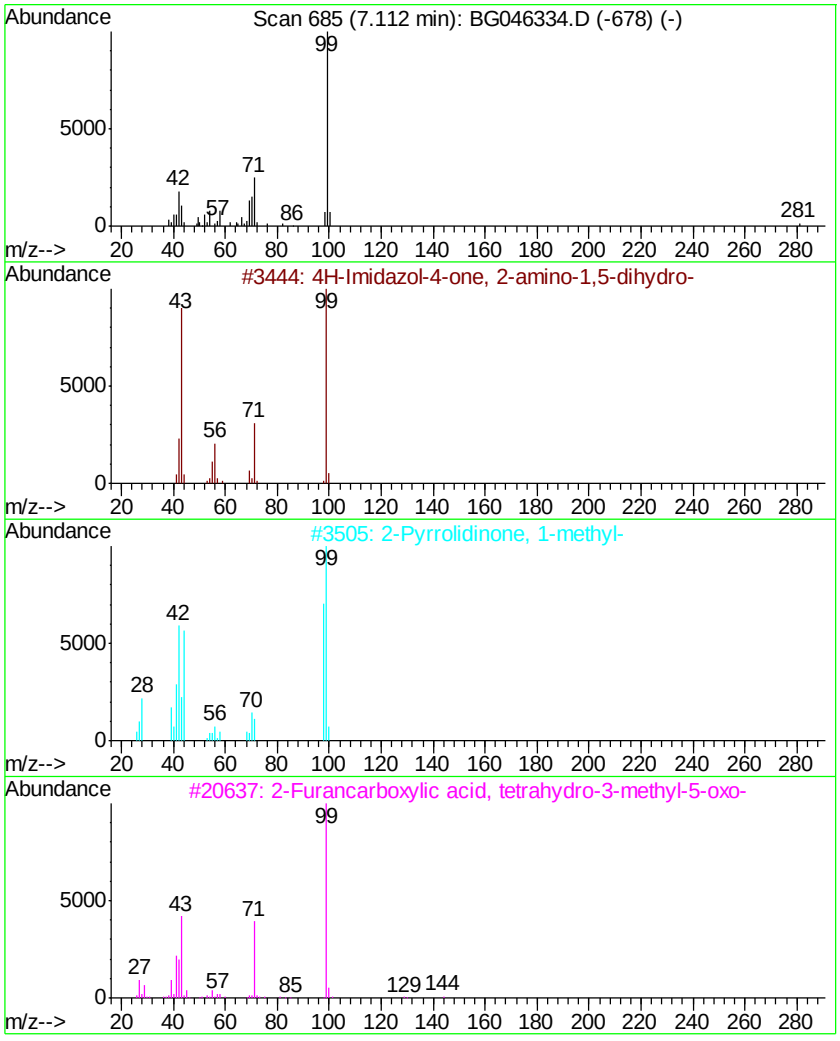
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

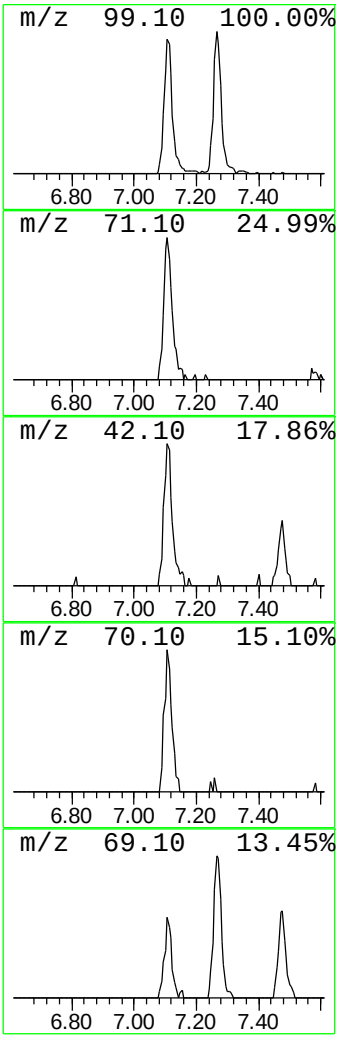
****

Peak Number 2 4H-Imidazol-4-one, 2-amino-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	3.07 ng/ul	75699	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	64
2	2-Pyrrolidinone, 1-methyl-	99	C5H9NO	000872-50-4	64
3	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
4	Phenol-d6-	100	C6D6O	013127-88-3	50
5	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BFMJ9

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

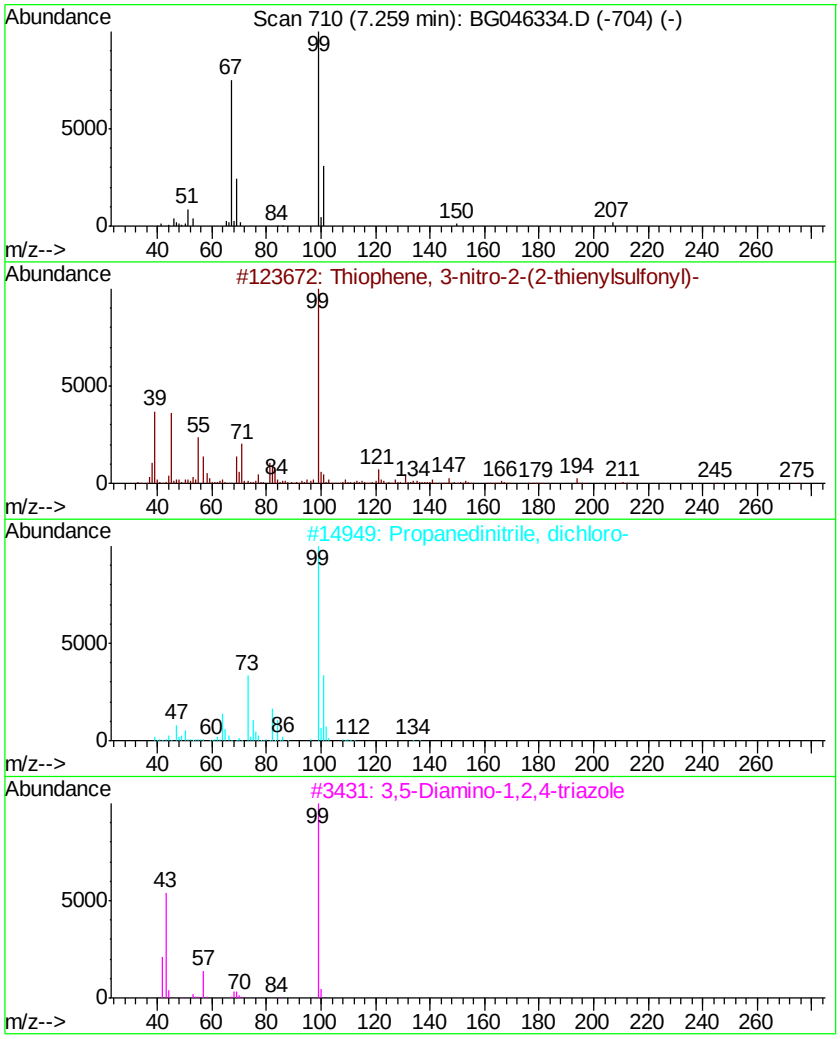
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

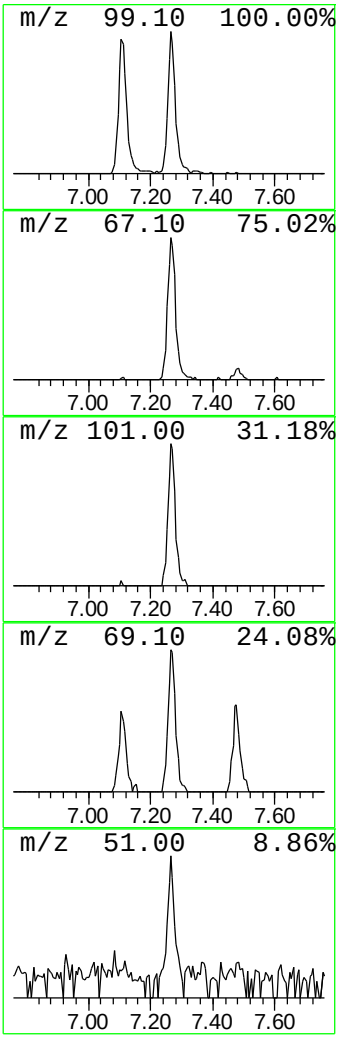
****

Peak Number 3 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	3.03 ng/ul	74613	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-nitro-2-(2-thienyls...	275	C8H5NO4S3	1000268-05-7	17
2	Propanedinitrile, dichloro-	134	C3Cl2N2	013063-43-9	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
4	Thiazole, 5-methyl-	99	C4H5NS	003581-89-3	7
5	4-Methylthiazole	99	C4H5NS	000693-95-8	5





Library Search Compound Report

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Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

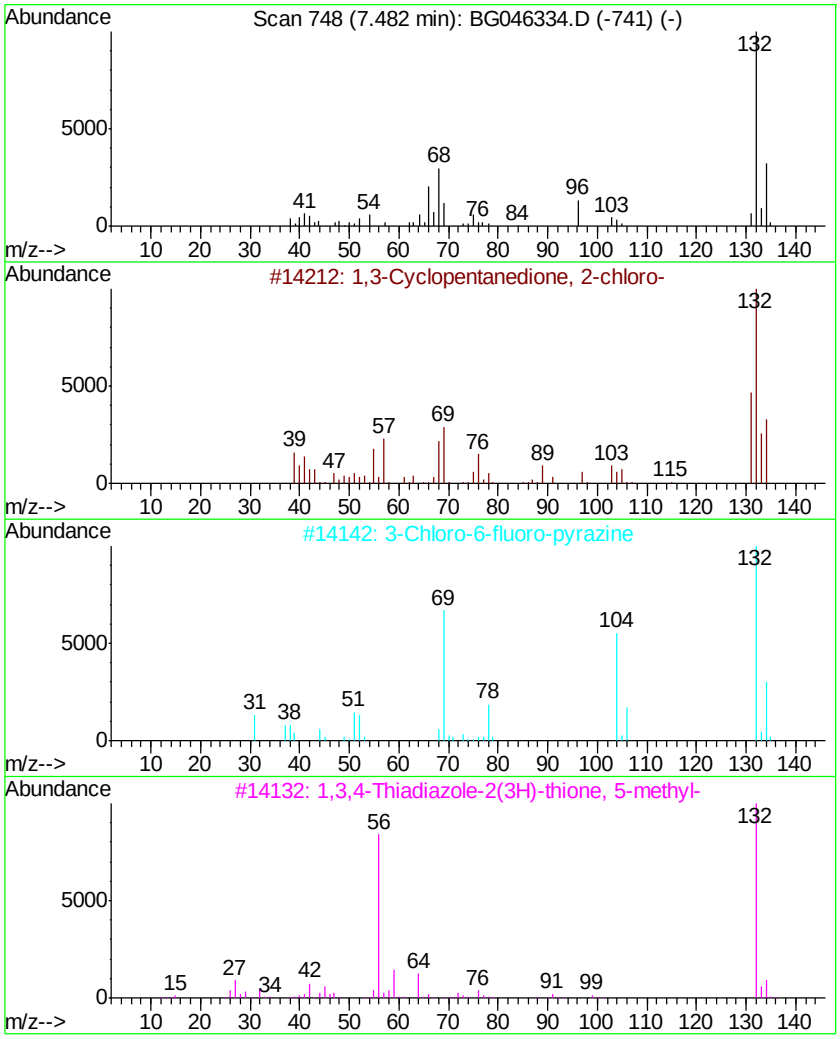
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

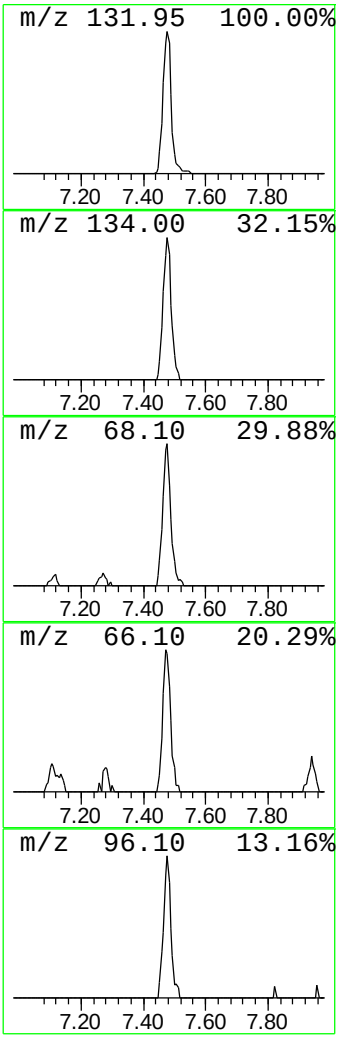
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	3.56 ng/ul	87825	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	22
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

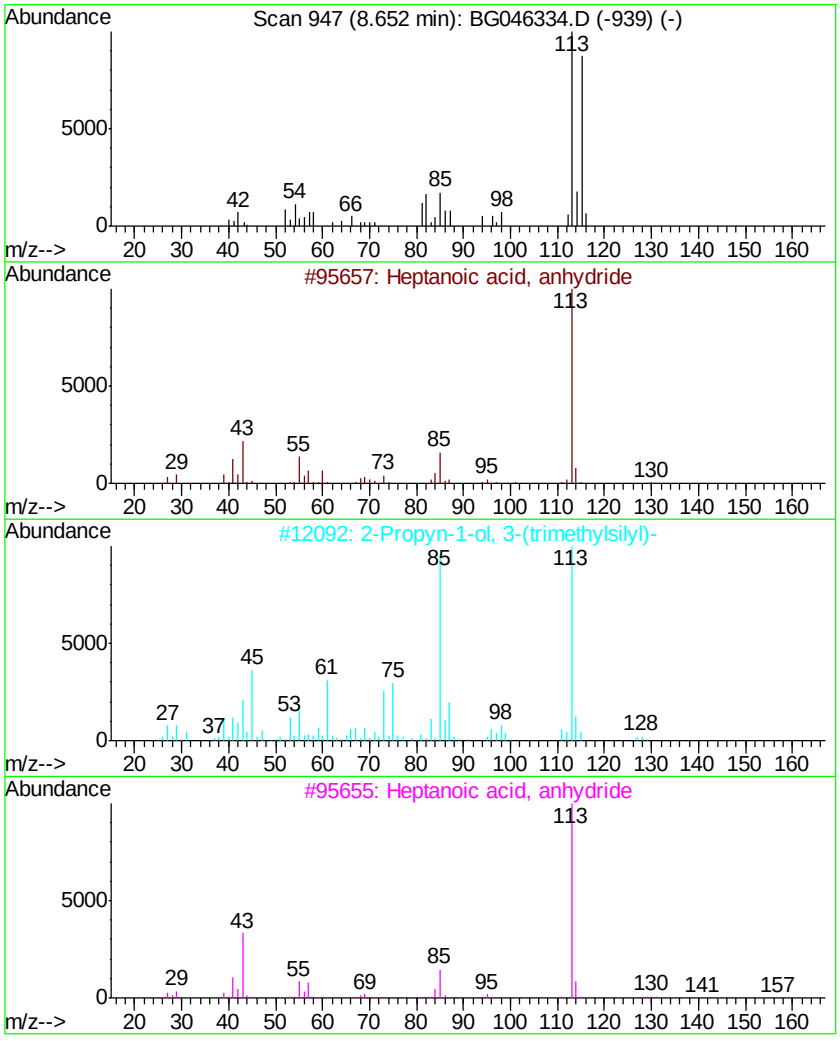
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

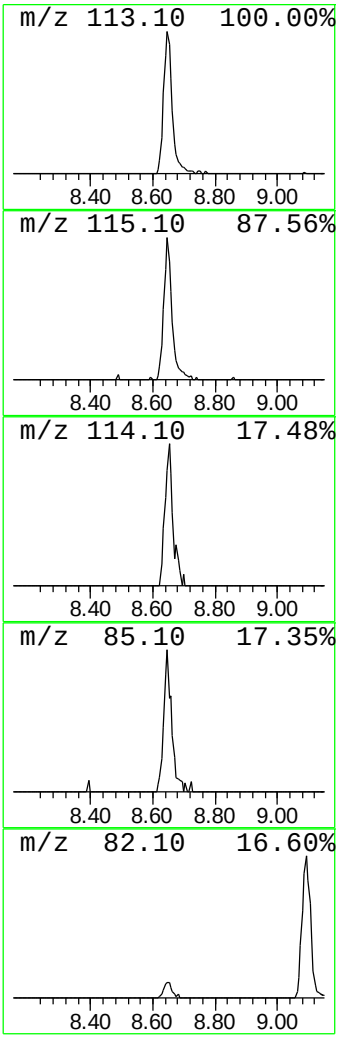
****

Peak Number 5 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	3.47 ng/ul	85566	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	38
2	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	37
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
4	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	25
5	Cyclohexanol, 4-methyl-1-(1-meth...	156	C10H20O	000470-65-5	25





Library Search Compound Report

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Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

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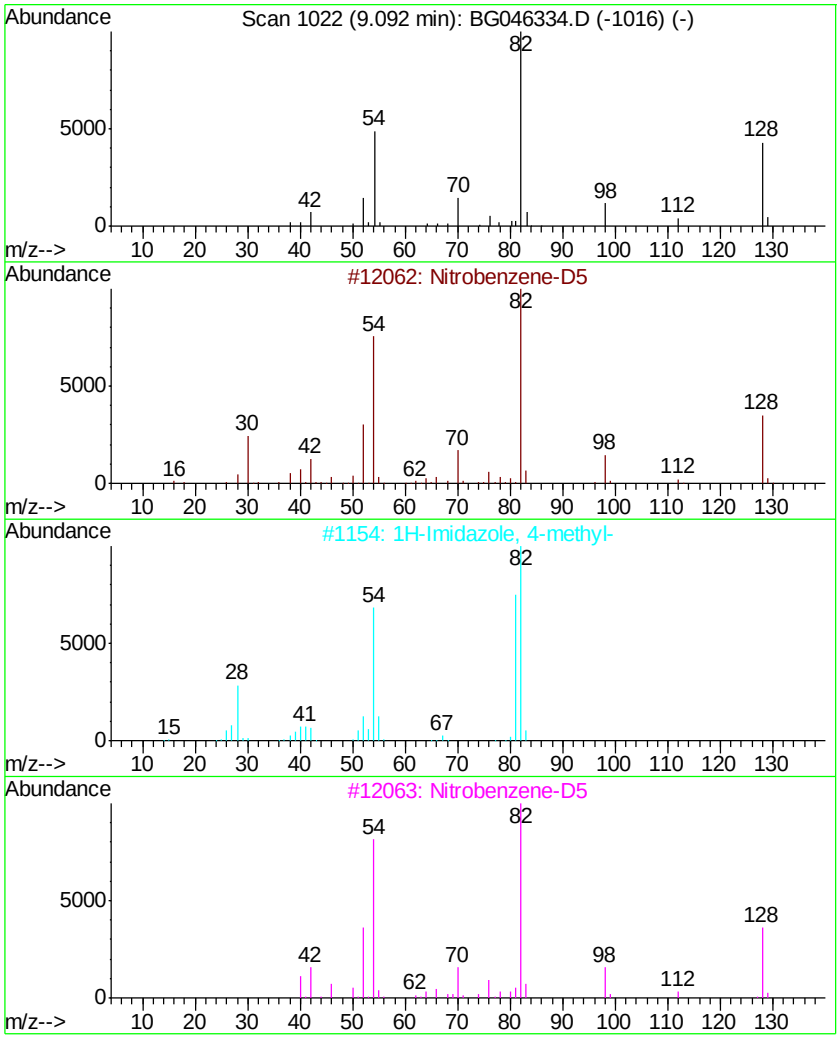
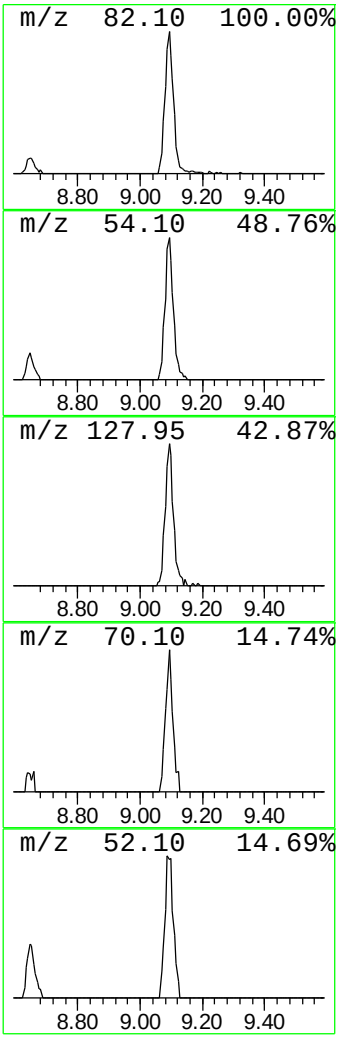
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	3.40 ng/ul	83778	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	91
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	43
4	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
5	Methyl methylphosphonofluoridate	112	C2H6FO2P	000353-88-8	9





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Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

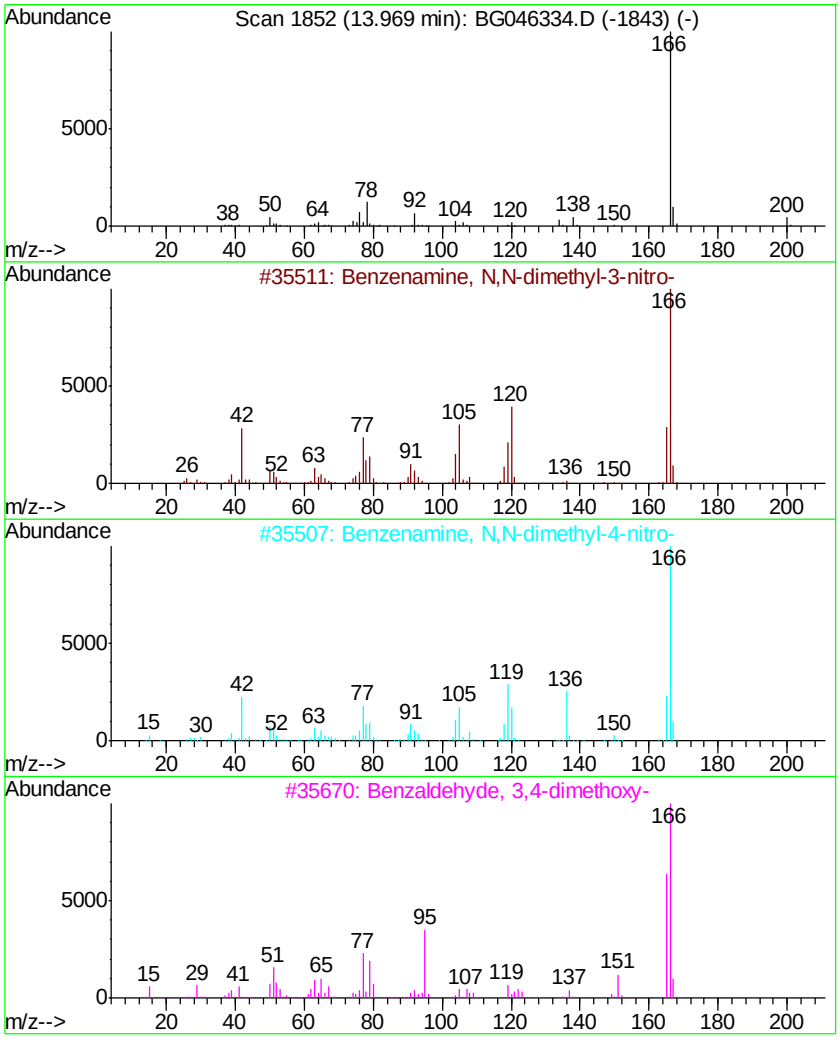
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

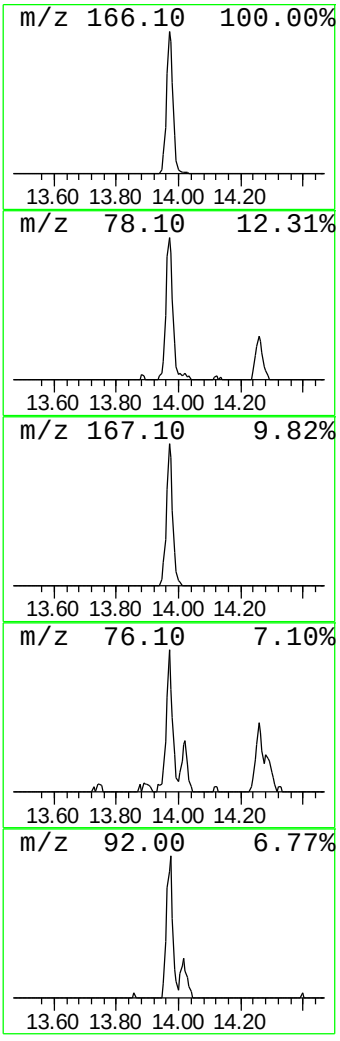
****

Peak Number 7 Benzenamine, N,N-dimethyl-3... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.98 ng/ul	206761	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N-dimethyl-3-nitro-	166	C8H10N2O2	000619-31-8	56
2	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
3	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	38
4	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9
5	Phenol, 3-methoxy-2,4,6-trimethyl-	166	C10H14O2	034883-05-1	9





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Operator : CG/JU
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Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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Quant Title : SVOA CALIBRATION

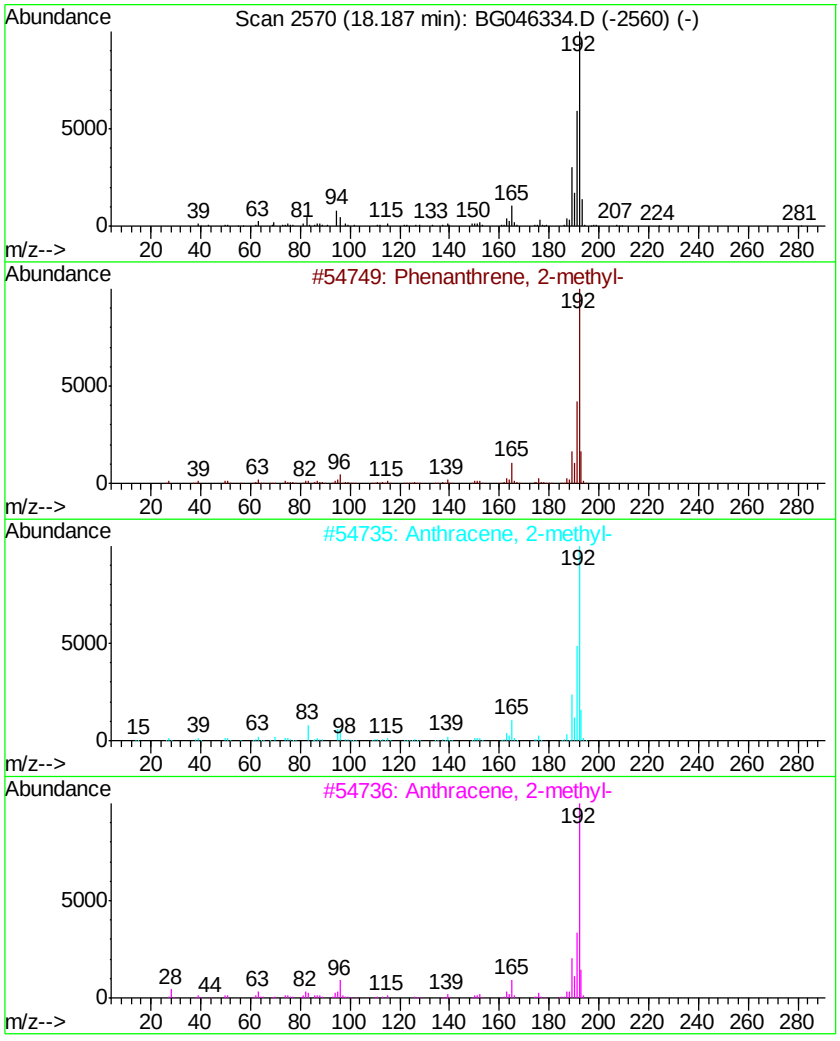
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

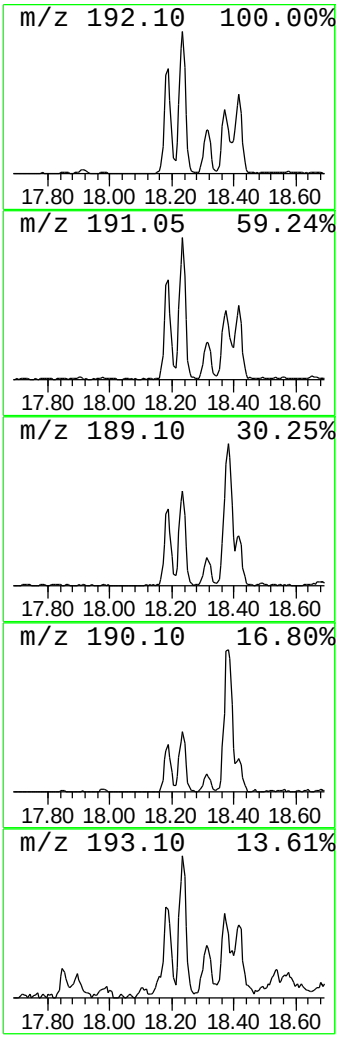
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.12 ng/ul	194432	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

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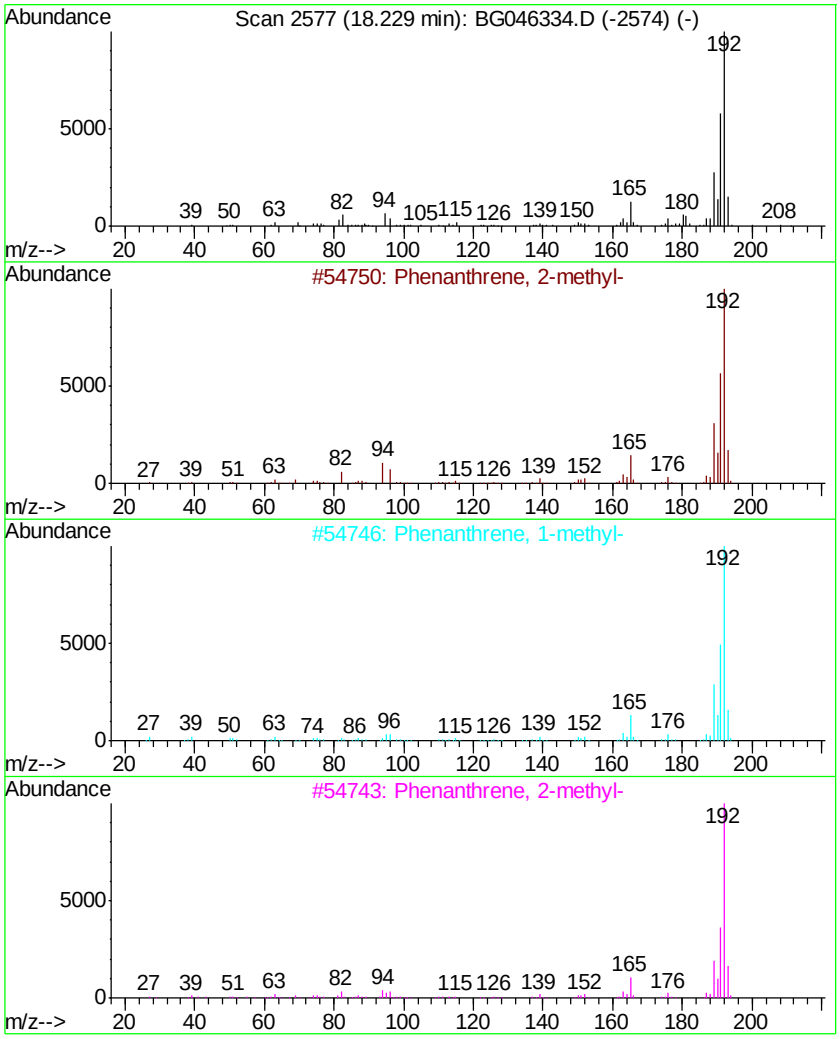
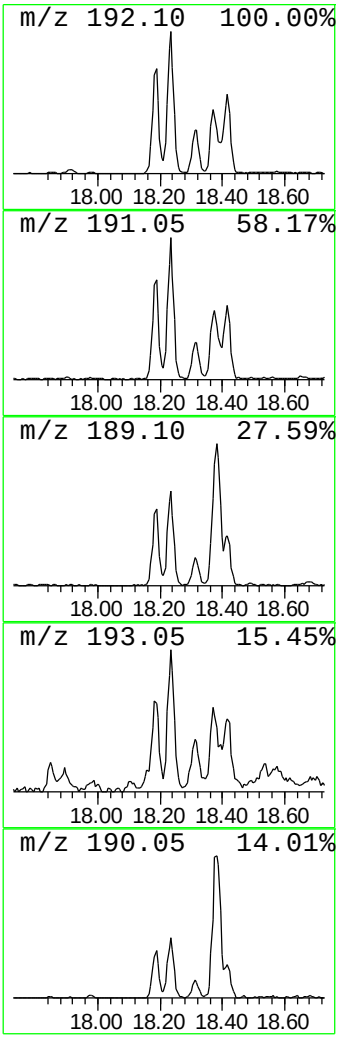
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.72 ng/ul	231799	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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Quant Title : SVOA CALIBRATION

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

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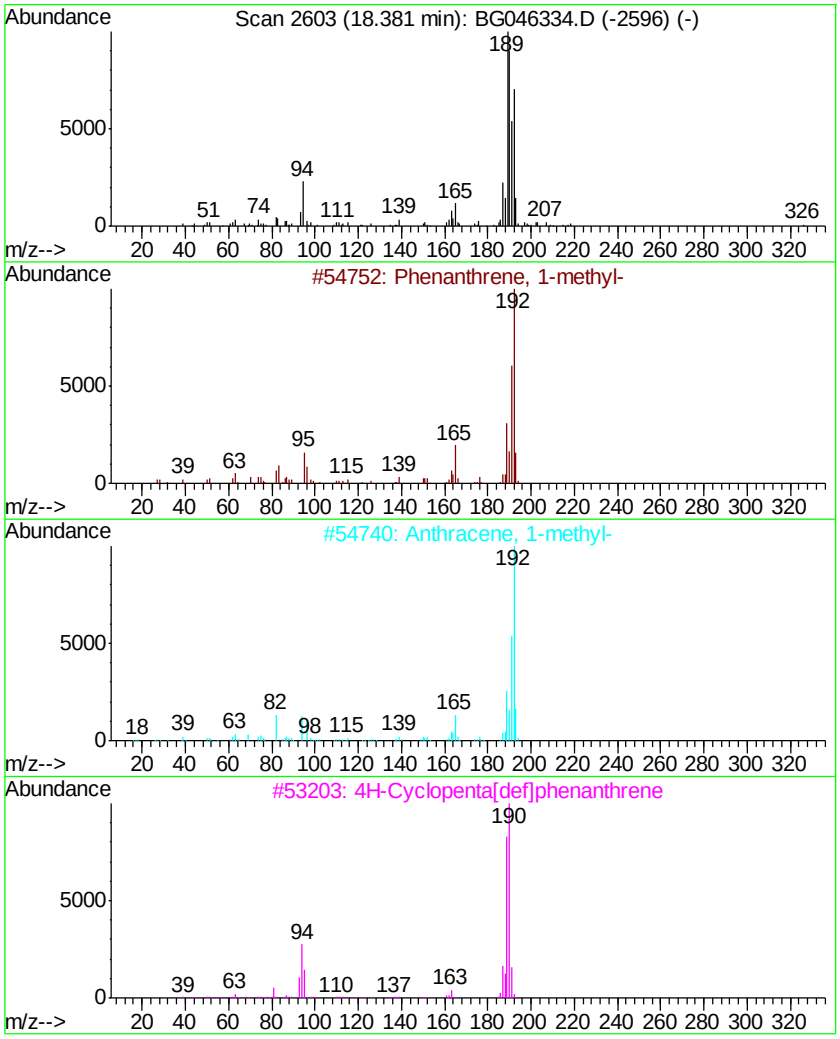
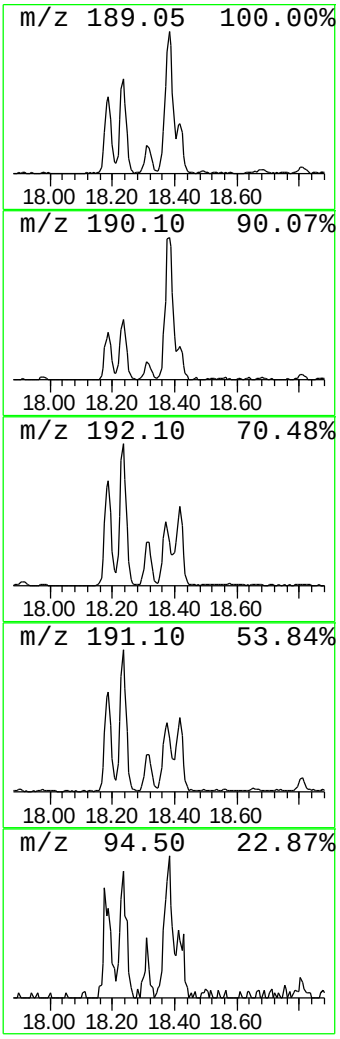
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.35 ng/ul	208669	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

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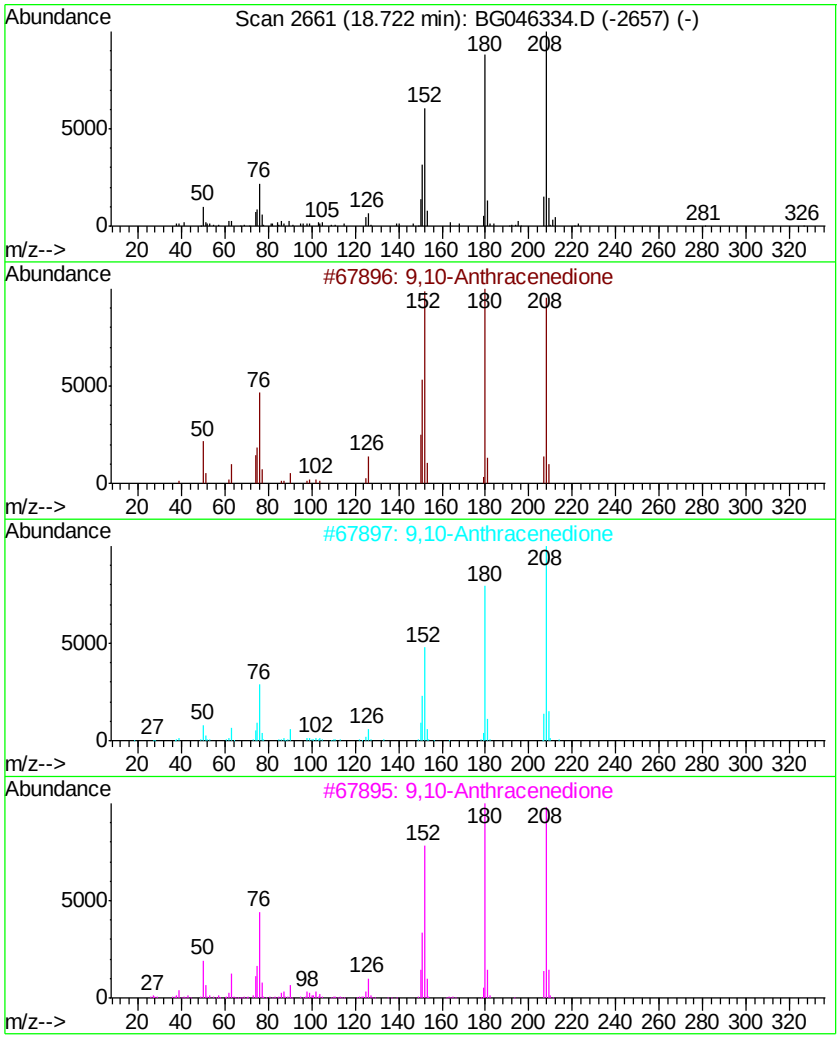
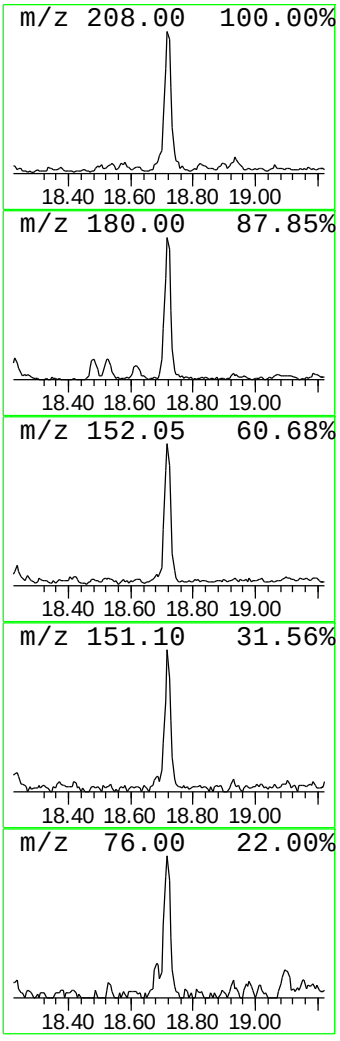
Peak Number 11 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.13 ng/ul	132734	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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Quant Title : SVOA CALIBRATION

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

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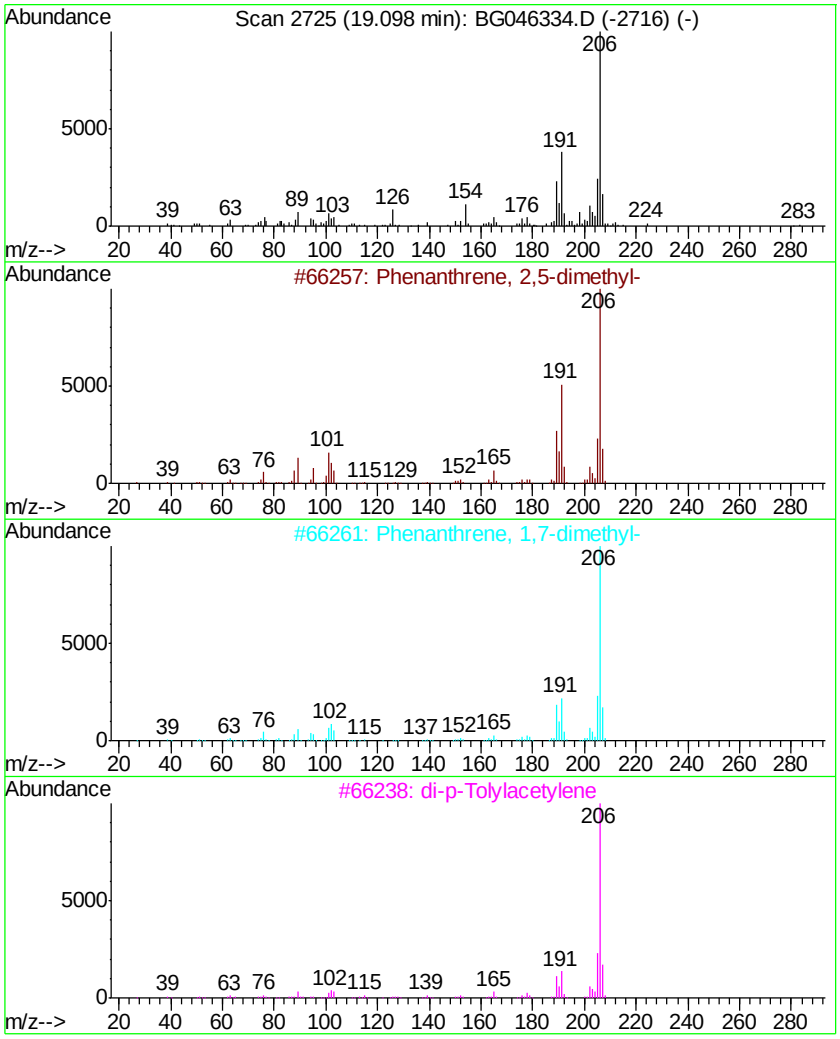
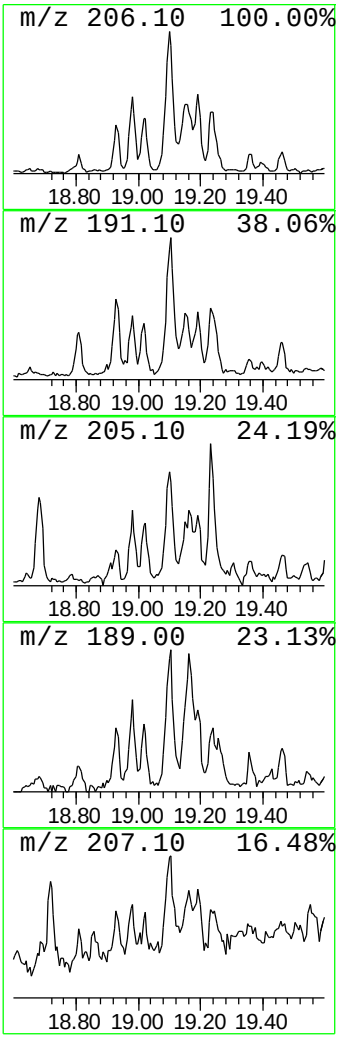
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.68 ng/ul	166661	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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Quant Title : SVOA CALIBRATION

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

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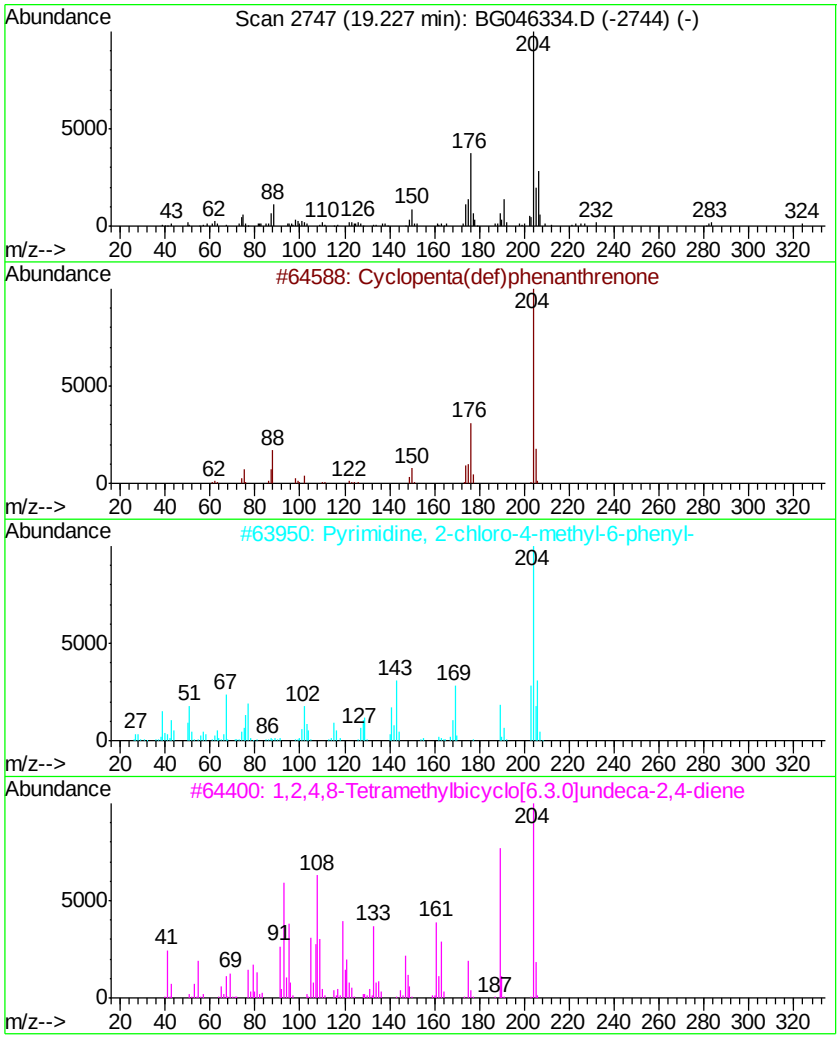
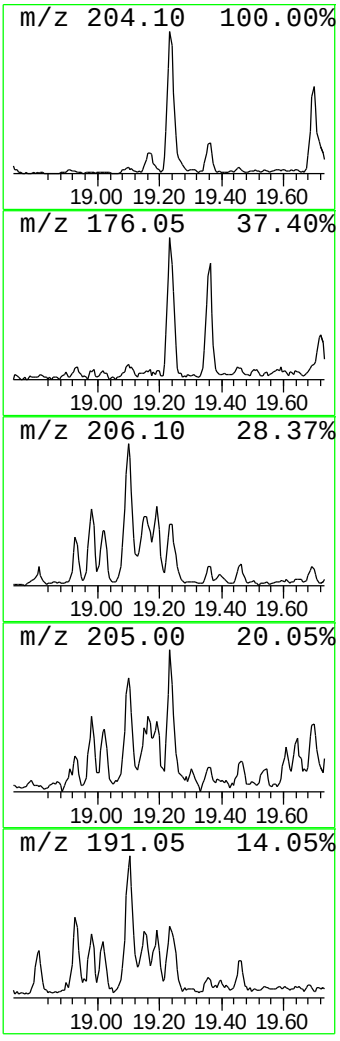
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.44 ng/ul	151802	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Instrument : BNA_G
ClientSampleId : BFMJ9

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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 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.50 ng/ul	263303	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
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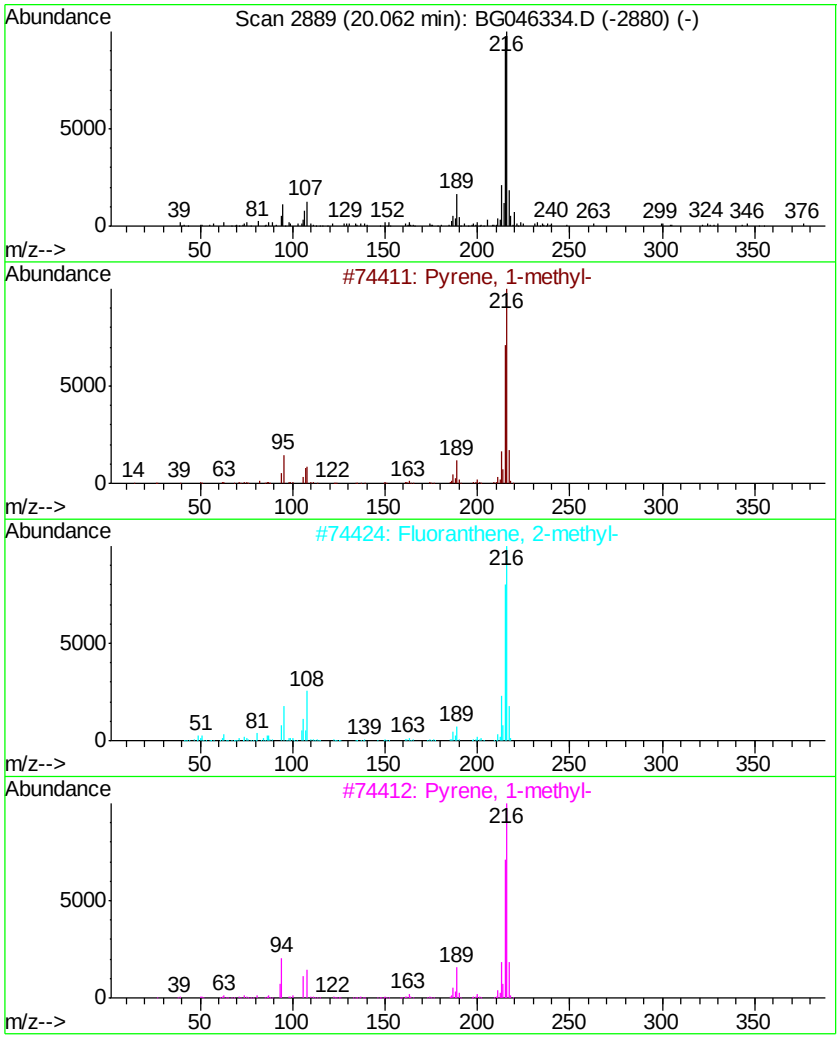

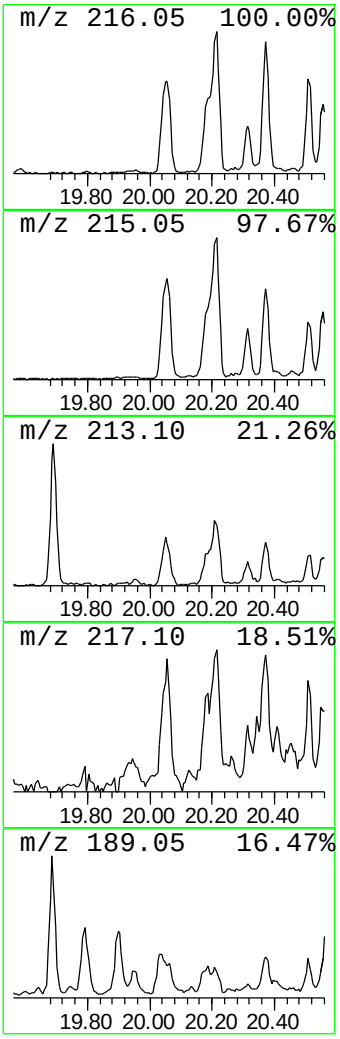

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Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

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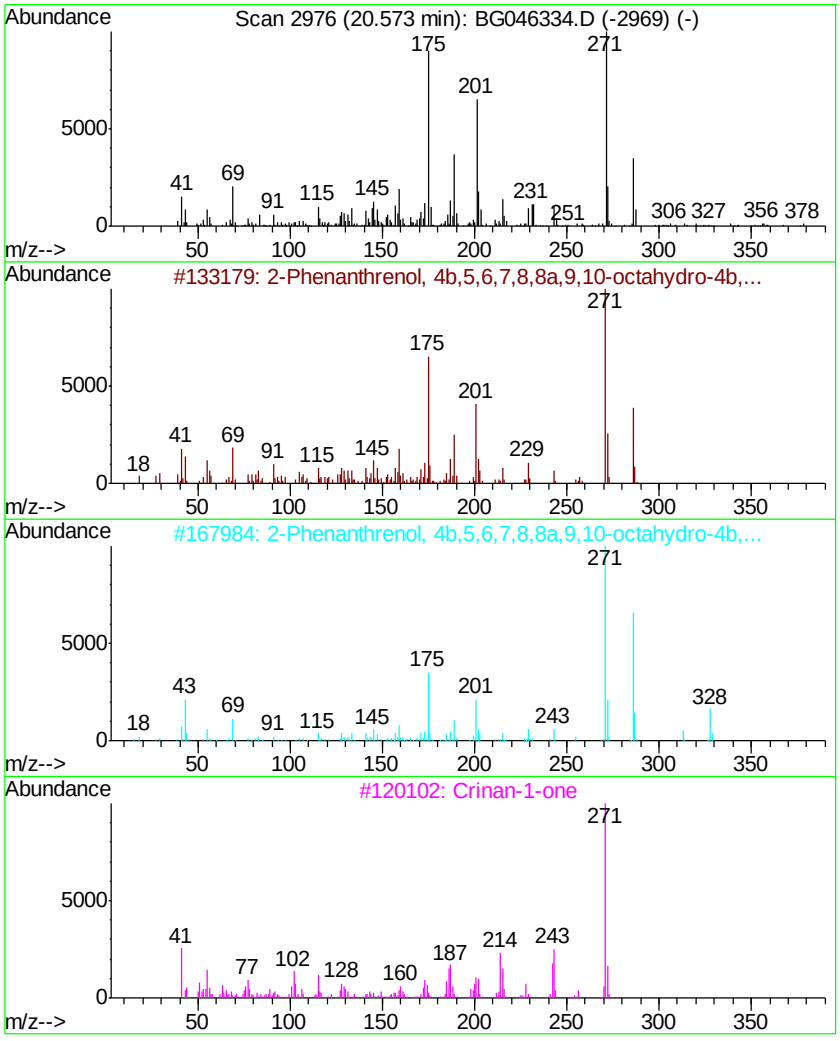
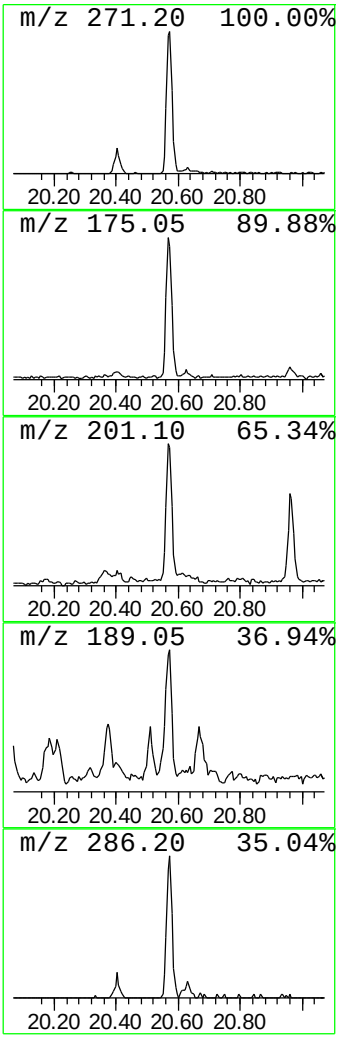
Peak Number 15 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.77 ng/ul	292272	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	92
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	81
3	Crinan-1-one	271	C16H17NO3	098301-98-5	38
4	1-Methyl-3-phenyl-4-azafluorenone	271	C19H13NO	069751-55-9	27
5	Oxazole, 2-(1-naphthalenyl)-5-ph...	271	C19H13NO	000846-63-9	22





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Quant Title : SVOA CALIBRATION

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

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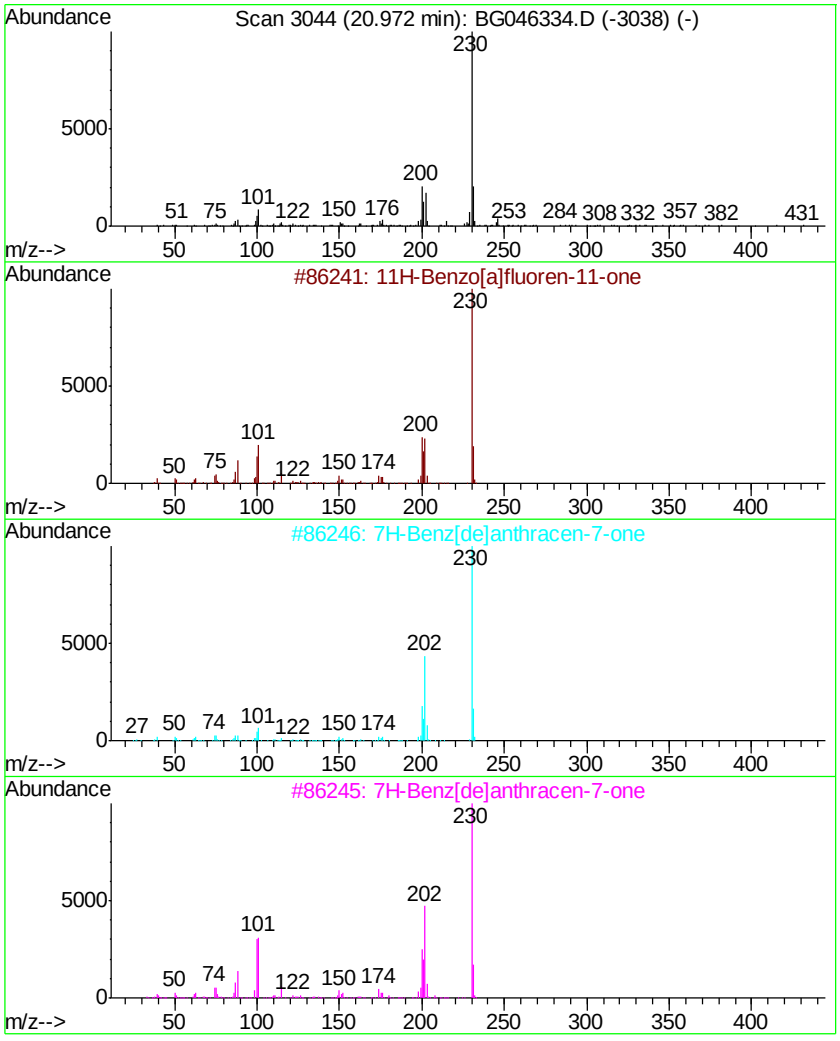
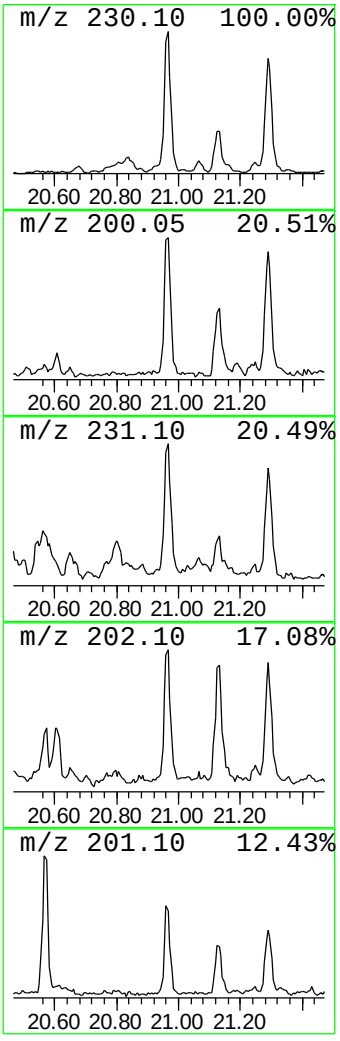
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.06 ng/ul	217544	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046334.D
Acq On : 18 Aug 2020 19:12
Operator : CG/JU
Sample : L3636-03
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ9

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

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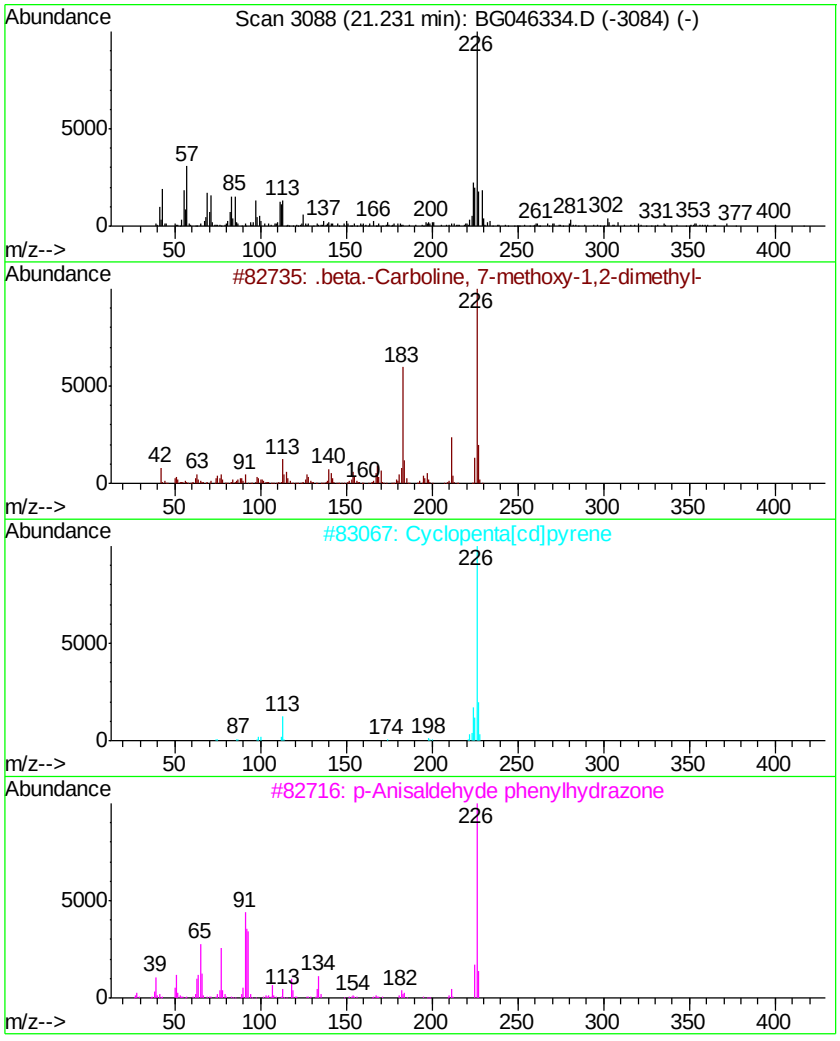
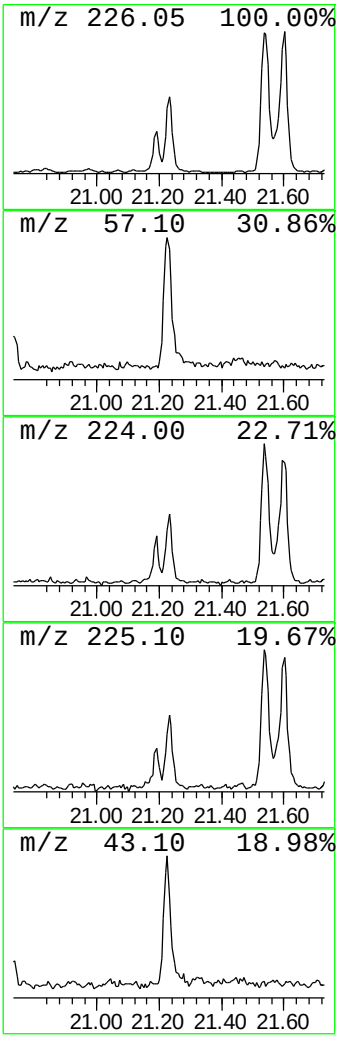
Peak Number 17 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.26 ng/ul	238504	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	46
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	46
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	43
5	Anthralin	226	C14H10O3	001143-38-0	43





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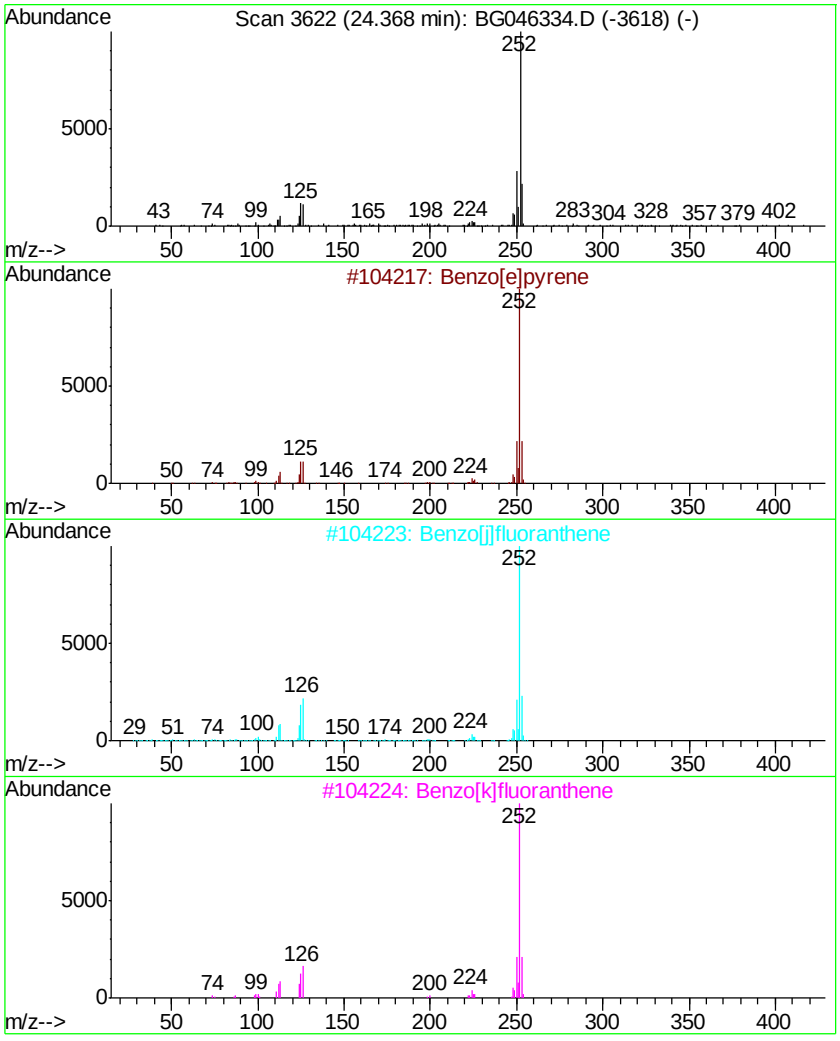
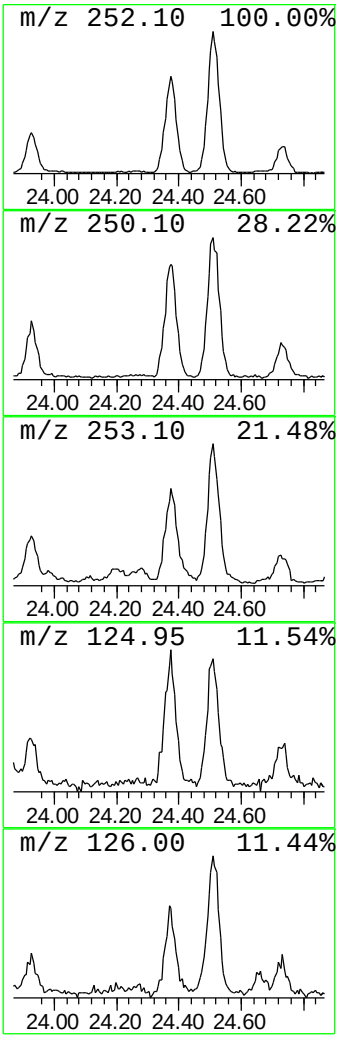
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	2.49 ng/ul	179066	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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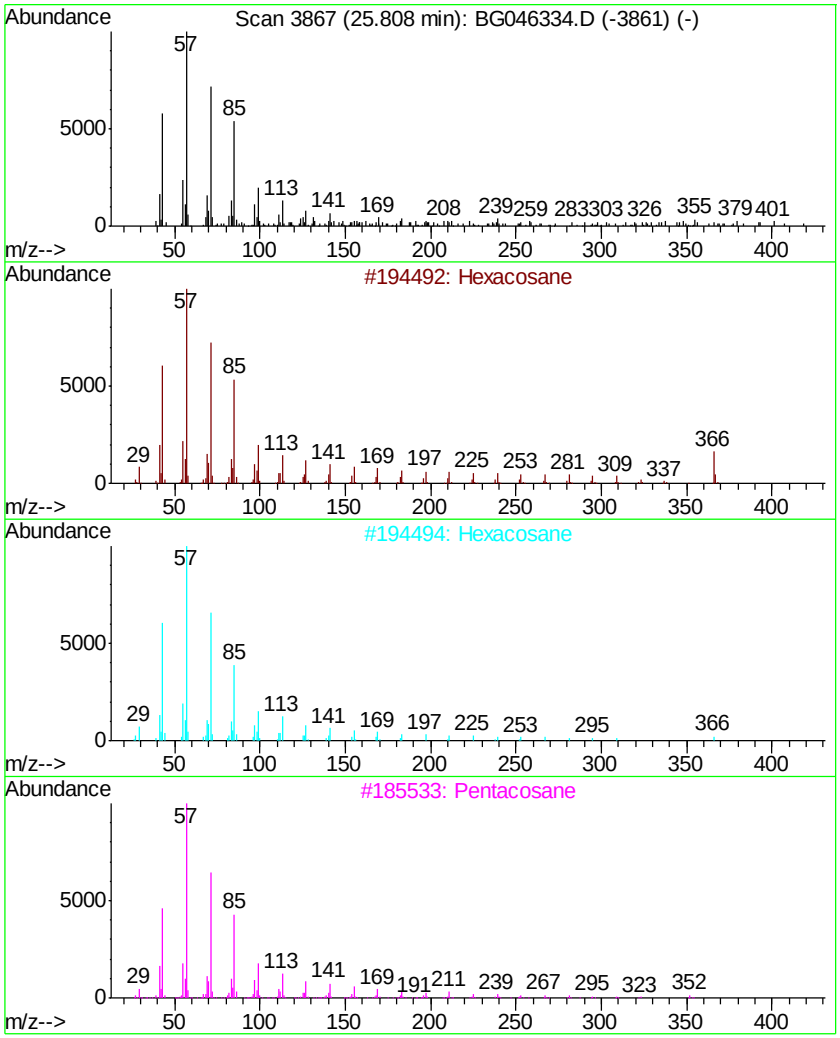
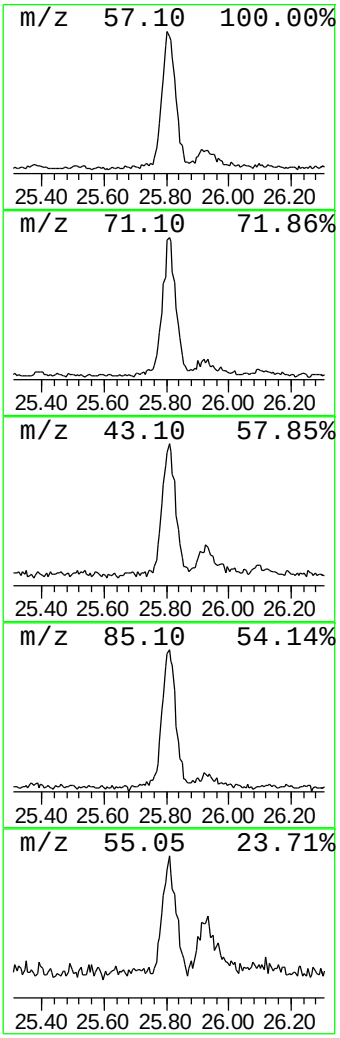
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	2.94 ng/ul	212052	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Hexacosane	366	C26H54	000630-01-3	89
3	Pentacosane	352	C25H52	000629-99-2	81
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	76
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.15	90.6	ng/ul	2234250	1	7.94	493100	20.0
4H-Imidazol-4-one...	7.11	3.1	ng/ul	75699	1	7.94	493100	20.0
unknown-01	7.26	3.0	ng/ul	74613	1	7.94	493100	20.0
unknown-02	7.48	3.6	ng/ul	87825	1	7.94	493100	20.0
unknown-03	8.65	3.5	ng/ul	85566	1	7.94	493100	20.0
1H-Imidazole, 4-m...	9.09	3.4	ng/ul	83778	1	7.94	493100	20.0
Benzenamine, N,N-...	13.97	4.0	ng/ul	206761	3	14.57	1037910	20.0
Phenanthrene, 2-m...	18.19	3.1	ng/ul	194432	4	17.31	1245060	20.0
Phenanthrene, 1-m...	18.23	3.7	ng/ul	231799	4	17.31	1245060	20.0
Anthracene, 1-met...	18.38	3.4	ng/ul	208669	4	17.31	1245060	20.0
9,10-Anthracenedione	18.72	2.1	ng/ul	132734	4	17.31	1245060	20.0
Phenanthrene, 2,5...	19.10	2.7	ng/ul	166661	4	17.31	1245060	20.0
Cyclopenta(def)ph...	19.23	2.4	ng/ul	151802	4	17.31	1245060	20.0
Pyrene, 1-methyl-	20.06	2.5	ng/ul	263303	5	21.55	2110210	20.0
2-Phenanthrenol, ...	20.57	2.8	ng/ul	292272	5	21.55	2110210	20.0
11H-Benzo[a]fluor...	20.97	2.1	ng/ul	217544	5	21.55	2110210	20.0
unknown-04	21.23	2.3	ng/ul	238504	5	21.55	2110210	20.0
Benzo[e]pyrene	24.37	2.5	ng/ul	179066	6	24.66	1440890	20.0
(DEL) Alkane: Str...	25.81	2.9	ng/ul	212052	6	24.66	1440890	20.0