LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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	3.142	4	9	27	rVB	1170277	1733637	74.35%	4.265%
2	7.107	676	684	695	rBV	151839	283752	12.17%	0.698%
3	7.266	704	711	724	rBV	134533	227063	9.74%	0.559%
4	7.472	739	746	757	rVB	161107	285722	12.25%	0.703%
5	7.942	819	826	835	rVV	230499	396928	17.02%	0.976%
6	8.641	938	945	954	rBV	203711	364769	15.64%	0.897%
7	9.088	1013	1021	1031	rBV	157095	286578	12.29%	0.705%
8	9.816	1137	1145	1153	rBV	134702	243665	10.45%	0.599%
9	10.357	1229	1237	1246	rBV	218267	398710	17.10%	0.981%
10	10.733	1291	1301	1307	rBV	327029	605568	25.97%	1.490%
11	10.786	1307	1310	1317	rVB	36742	56197	2.41%	0.138%
12	10.868	1317	1324	1336	rBV	150239	299234	12.83%	0.736%
13	12.390	1577	1583	1589	rBV	25000	43041	1.85%	0.106%
14	12.613	1615	1621	1627	rVB	22997	38428	1.65%	0.095%
15	13.471	1761	1767	1776	rVV	74365	116034	4.98%	0.285%
16	13.888	1832	1838	1843	rBV	28064	44039	1.89%	0.108%
17	13.970	1843	1852	1856	rVV	472846	696788	29.88%	1.714%
18	14.017	1856	1860	1865	rVV	146733	208123	8.93%	0.512%
19	14.258	1890	1901	1912	rBV	509606	859286	36.85%	2.114%
20	14.563	1942	1953	1960	rBV2	547367	899127	38.56%	2.212%
21	14.628	1960	1964	1971	rVB	59566	95211	4.08%	0.234%
22	14.763	1980	1987	2000	rBV	108592	217865	9.34%	0.536%
23	14.963	2016	2021	2029	rVB	62406	102946	4.42%	0.253%
24	15.556	2114	2122	2128	rBV	704866	1067897	45.80%	2.627%
25	15.609	2128	2131	2136	rVV	77548	114634	4.92%	0.282%
26	15.674	2136	2142	2150	rVV	132334	225604	9.68%	0.555%
27	15.909	2177	2182	2190	rVB	43464	72685	3.12%	0.179%
28	16.056	2202	2207	2214	rVB	44122	91194	3.91%	0.224%
29	16.961	2356	2361	2369	rVB	93917	154077	6.61%	0.379%
30	17.043	2370	2375	2377	rBV2	34866	54039	2.32%	0.133%
31	17.125	2385	2389	2399	rVB	55120	95933	4.11%	0.236%
32	17.307	2414	2420	2424	rVV	698919	1111435	47.67%	2.734%
33	17.354	2424	2428	2432	rVV	958209	1430662	61.36%	3.520%
34	17.407	2432	2437	2441	rVV	787343	1187593	50.93%	2.922%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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	17.442	2441	2443	2448	rVV	165327	194290	8.33%	0.478%
36	17.495	2448	2452	2459	rVV3	22190	39856	1.71%	0.098%
37	17.707	2479	2488	2492	rBV	108909	192214	8.24%	0.473%
38	17.754	2492	2496	2502	rVV4	21858	48885	2.10%	0.120%
39	17.830	2503	2509	2512	rVV3	32812	64796	2.78%	0.159%
40	17.889	2516	2519	2529	rVV4	42064	71331	3.06%	0.175%
41	18.183	2564	2569	2572	rBV	174611	273131	11.71%	0.672%
42	18.230	2572	2577	2583	rVV	262700	526425	22.58%	1.295%
43	18.312	2587	2591	2596	rVB	67011	98032	4.20%	0.241%
44	18.377	2596	2602	2606	rBV2	191031	358612	15.38%	0.882%
45	18.418	2606	2609	2616	rVB	115752	158272	6.79%	0.389%
46	18.506	2616	2624	2632	rBV8	33528	106600	4.57%	0.262%
47	18.682	2649	2654	2657	rBV	136033	189382	8.12%	0.466%
48	18.717	2657	2660	2665	rVB	174264	233335	10.01%	0.574%
49	18.929	2692	2696	2700	rBV	52805	63795	2.74%	0.157%
50	18.982	2701	2705	2708	rVV	38965	45953	1.97%	0.113%
51	19.017	2708	2711	2715	rVB2	49029	61795	2.65%	0.152%
52	19.099	2716	2725	2729	rBV	131229	242991	10.42%	0.598%
53	19.140	2729	2732	2735	rVV3	73215	122960	5.27%	0.302%
54	19.193	2739	2741	2744	rVV	47821	54578	2.34%	0.134%
55	19.234	2744	2748	2757	rVB	122712	206623	8.86%	0.508%
56	19.364	2764	2770	2776	rVB	1319491	1925040	82.56%	4.736%
57	19.422	2776	2780	2783	rBV	33371	48663	2.09%	0.120%
58	19.458	2783	2786	2792	rVV6	33458	47197	2.02%	0.116%
59	19.552	2798	2802	2807	rBV2	59709	98256	4.21%	0.242%
60	19.693	2820	2826	2828	rBV2	1179497	1676863	71.92%	4.125%
61	19.722	2828	2831	2839	rVV	1153975	1725781	74.02%	4.246%
62	19.793	2839	2843	2851	rVB2	78672	135616	5.82%	0.334%
63	19.898	2857	2861	2867	rBV	82954	119163	5.11%	0.293%
64	19.951	2867	2870	2878	rVB3	48065	76324	3.27%	0.188%
65	20.057	2880	2888	2893	rBV3	126108	342684	14.70%	0.843%
66	20.175	2904	2908	2910	rBV2	85416	117722	5.05%	0.290%
67	20.210	2911	2914	2917	rVV2	169755	237199	10.17%	0.584%
68	20.245	2917	2920	2924	rVB	135060	149362	6.41%	0.367%
69	20.316	2928	2932	2936	rBV	72774	95613	4.10%	0.235%
70	20.368	2936	2941	2946	rBV3	154825	256387	11.00%	0.631%
71	20.451	2952	2955	2960	rBV2	41614	55691	2.39%	0.137%

LSC Area Percent Report

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

72	20.509	2961	2965	2969	rBV	90088	126947	5.44%	0.312%
73	20.556	2969	2973	2976	rBV2	84331	109024	4.68%	0.268%
74	20.592	2976	2979	2981	rBV3	44266	53666	2.30%	0.132%
75	20.739	2997	3004	3007	rBV2	208360	289569	12.42%	0.712%
76	20.962	3038	3042	3049	rVB	183585	275953	11.84%	0.679%
77	21.044	3054	3056	3062	rVB3	53517	77097	3.31%	0.190%
78	21.144	3067	3073	3077	rVV2	105484	245283	10.52%	0.603%
79	21.185	3077	3080	3083	rVV	123530	188724	8.09%	0.464%
80	21.226	3083	3087	3093	rVV3	597058	1065705	45.71%	2.622%
81	21.291	3094	3098	3106	rVB	173012	319932	13.72%	0.787%
82	21.549	3134	3142	3147	rBV3	970844	2331631	100.00%	5.736%
83	21.596	3147	3150	3159	rVB	571095	966106	41.43%	2.377%
84	21.767	3173	3179	3183	rBV2	355115	561084	24.06%	1.380%
85	21.949	3206	3210	3216	rBV2	72483	137636	5.90%	0.339%
86	22.196	3249	3252	3256	rVB2	47183	59630	2.56%	0.147%
87	22.266	3260	3264	3270	rVB	116317	209341	8.98%	0.515%
88	22.360	3272	3280	3290	rBV4	373063	821143	35.22%	2.020%
89	23.030	3389	3394	3401	rVB	270556	456711	19.59%	1.124%
90	23.682	3497	3505	3512	rBV	402489	1320991	56.66%	3.250%
91	23.806	3520	3526	3531	rBV	279883	532404	22.83%	1.310%
92	23.858	3531	3535	3541	rVB4	119246	239477	10.27%	0.589%
93	24.375	3616	3623	3628	rBV	186143	462830	19.85%	1.139%
94	24.446	3629	3635	3641	rVV	459667	1153344	49.47%	2.837%
95	24.511	3642	3646	3660	rVB	327176	803677	34.47%	1.977%
96	24.663	3663	3672	3677	rBV2	422914	1143695	49.05%	2.814%
97	24.722	3678	3682	3692	rVB4	246967	544297	23.34%	1.339%
98	25.809	3859	3867	3876	rVB	213917	620353	26.61%	1.526%
99	27.108	4082	4088	4098	rVB4	96194	302180	12.96%	0.743%
100	28.165	4261	4268	4289	rVB3	135910	660310	28.32%	1.624%

Sum of corrected areas: 40648621

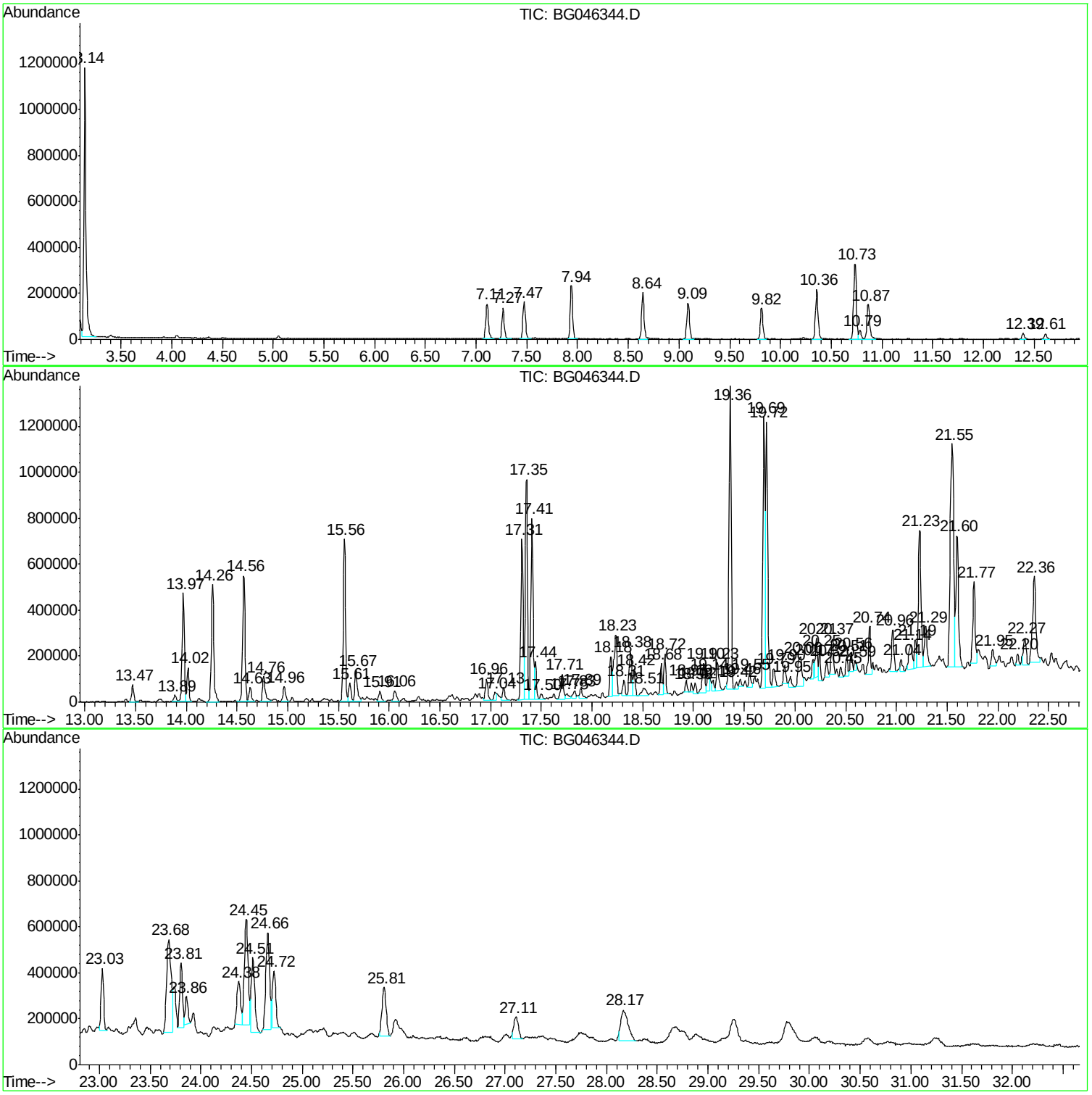
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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 : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

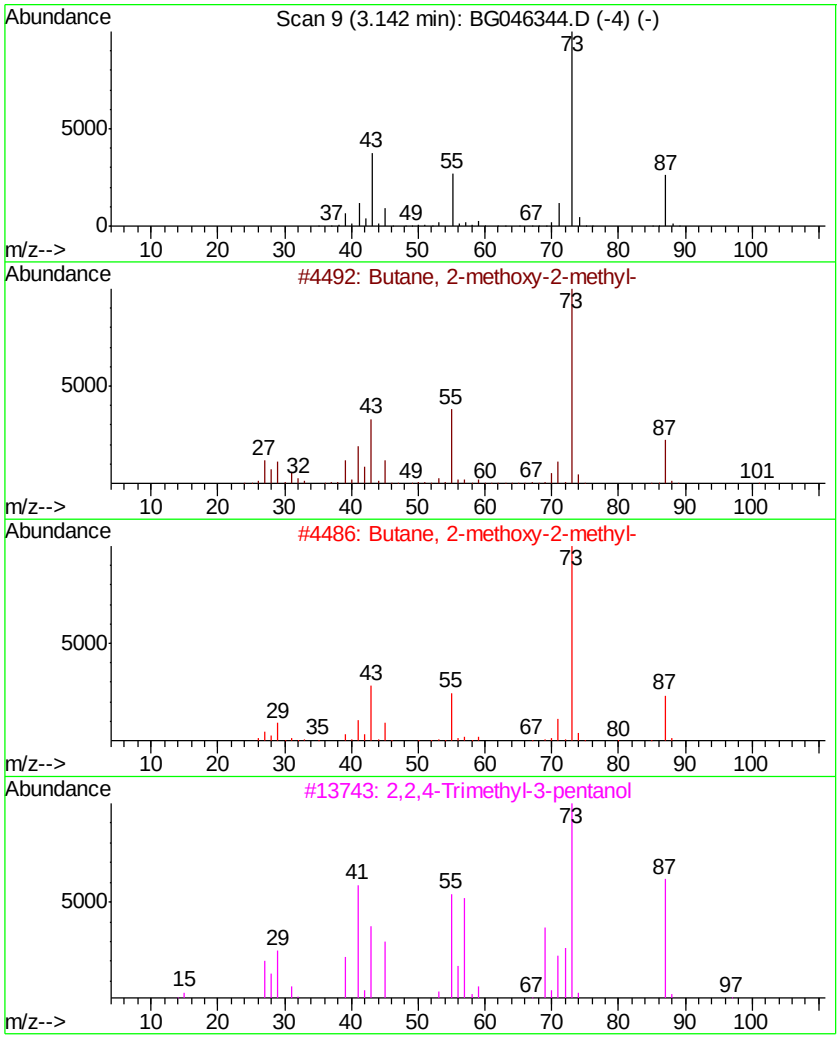
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

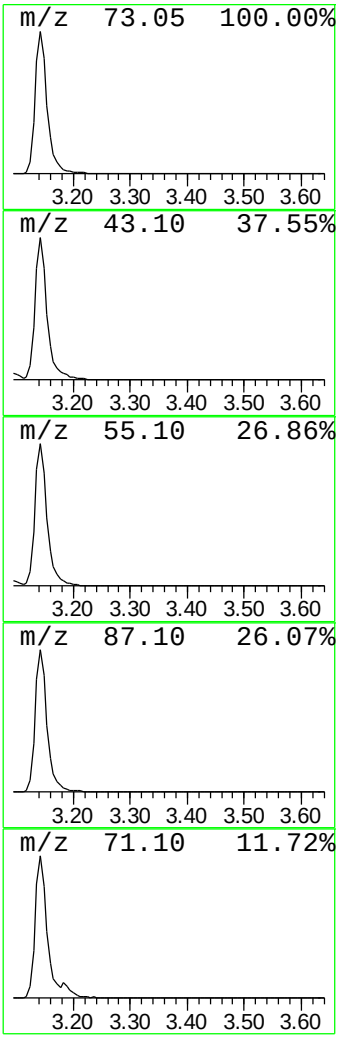
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	87.35 ng/ul	1733640	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	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

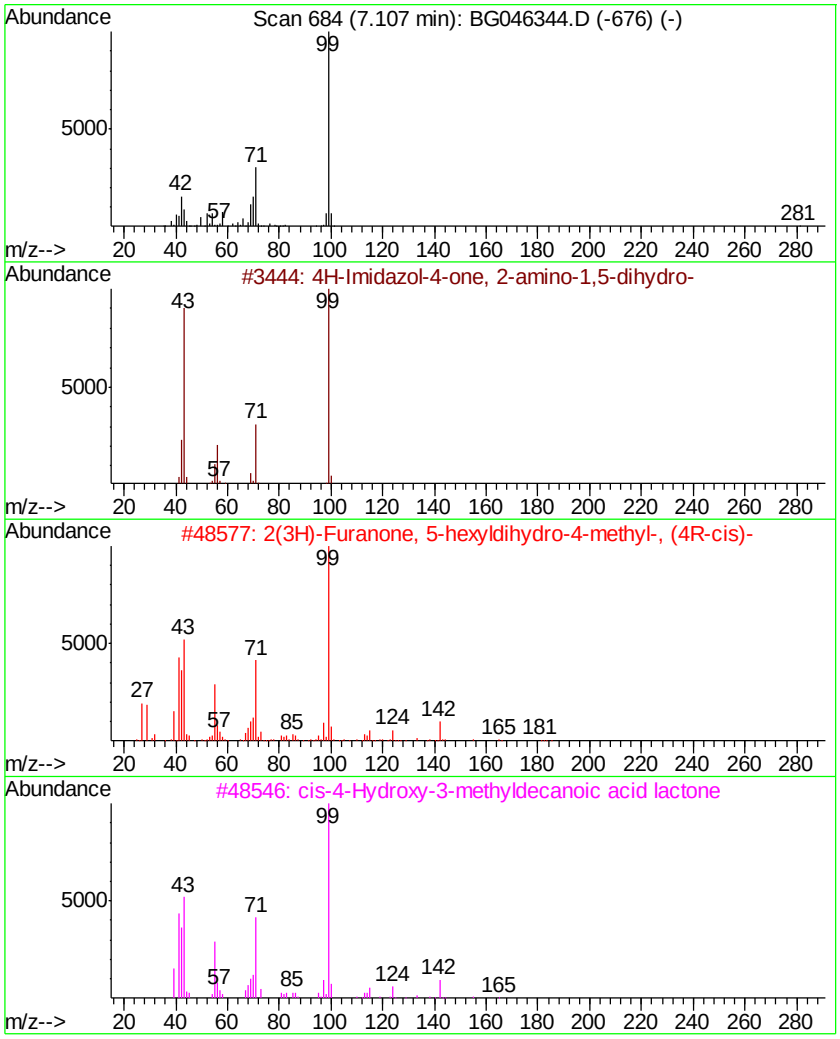
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

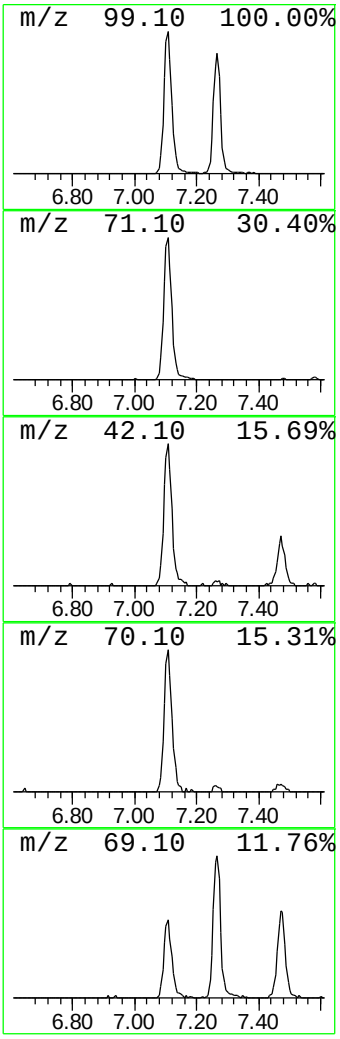
****

Peak Number 2 4H-Imidazol-4-one, 2-amino-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	14.30 ng/ul	283752	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(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	121644-12-0	64
3	cis-4-Hydroxy-3-methyldecanoic a...	184	C11H20O2	147254-32-8	64
4	2H-Pyran-2-one, 6-heptyltetrahydro-	198	C12H22O2	000713-95-1	56
5	Hexanoic acid, 3-tridecyl ester	298	C19H38O2	1000279-29-2	56





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Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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

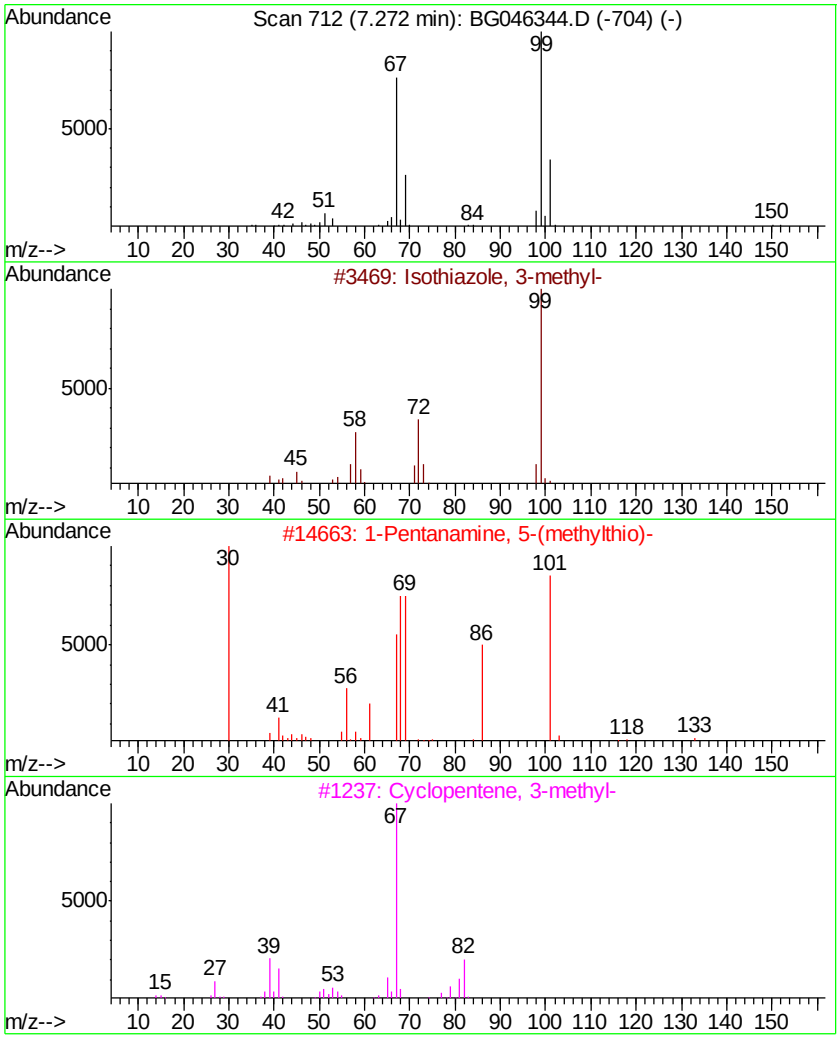
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

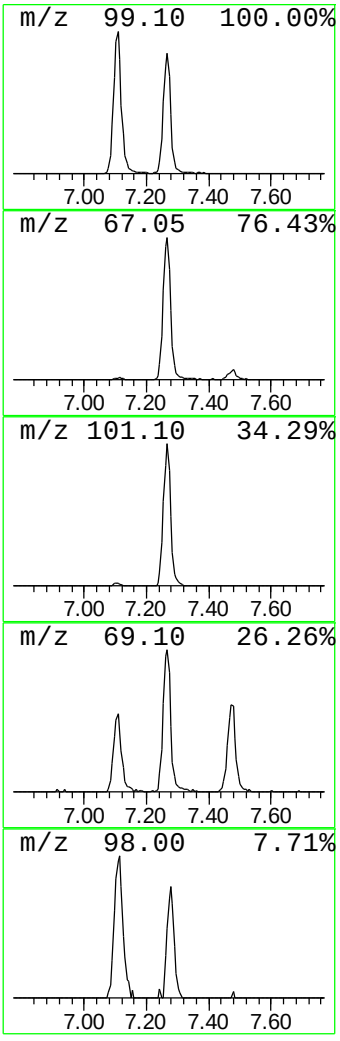
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	11.44 ng/ul	227063	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	9
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	9
5	Propanedinitrile, dichloro-	134	C3Cl2N2	013063-43-9	9





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

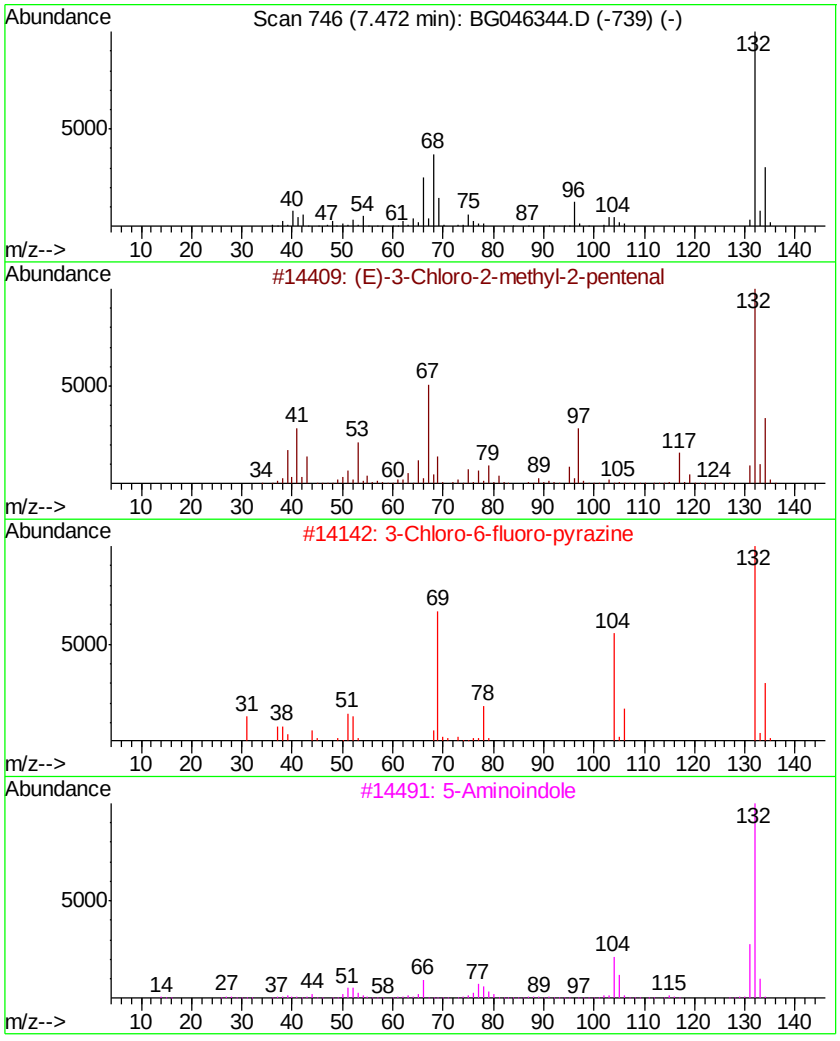
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

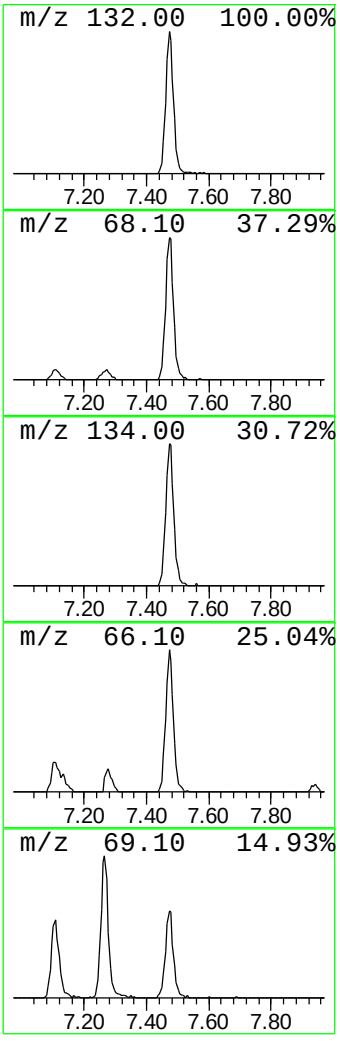
****

Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	14.40 ng/ul	285722	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	1-Isoquinolinemethanol, .alpha.-...	191	C12H17NO	114608-92-3	12





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

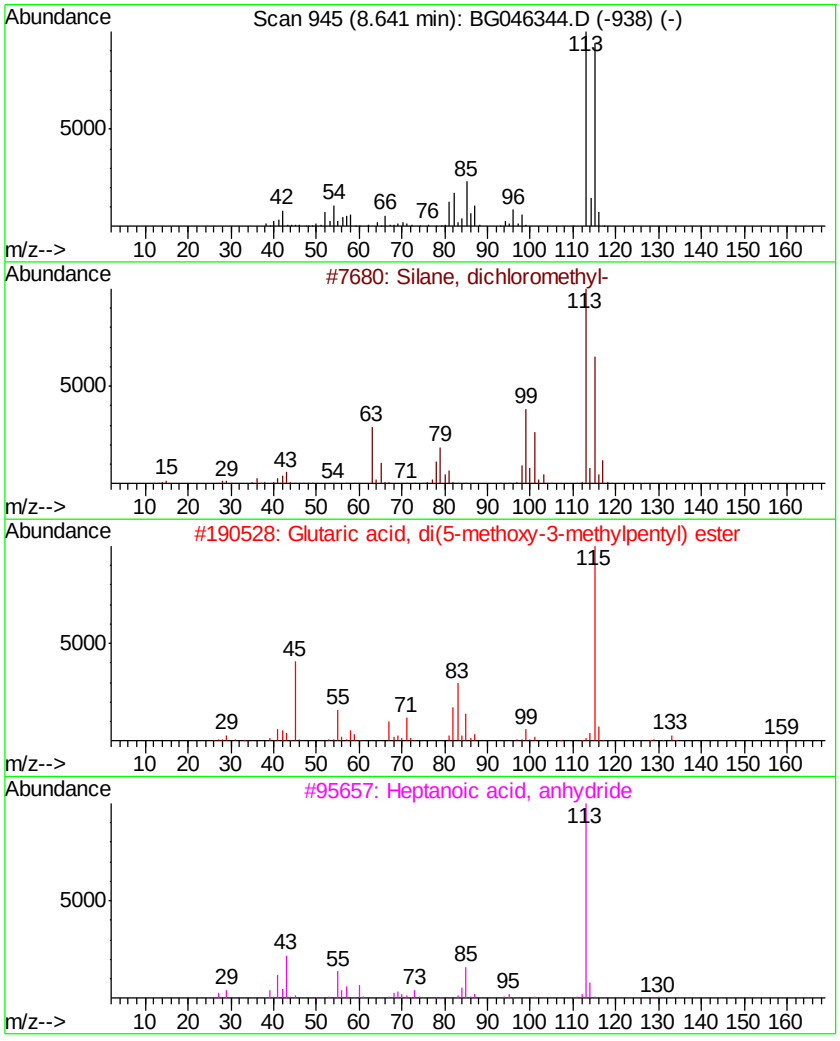
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

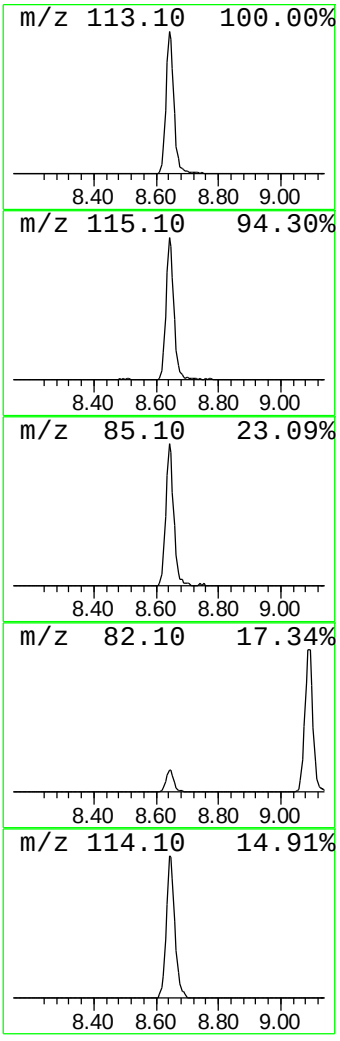
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	18.38 ng/ul	364769	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
4	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
5	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	25





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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

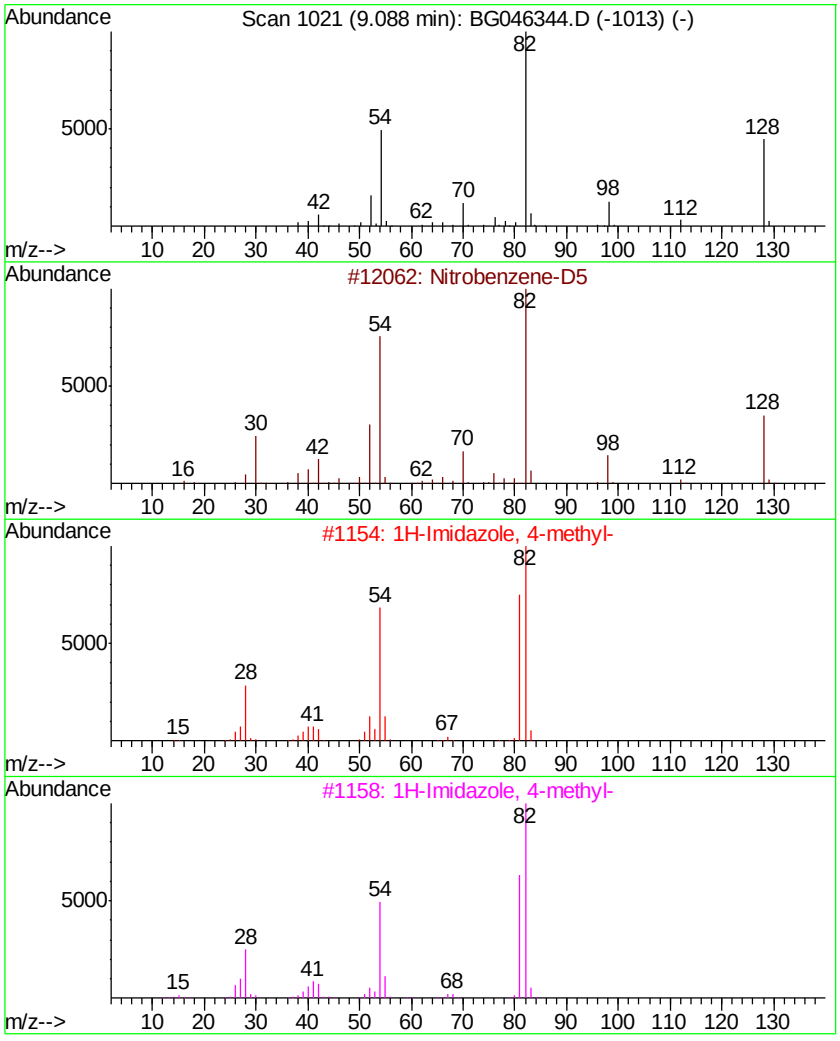
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

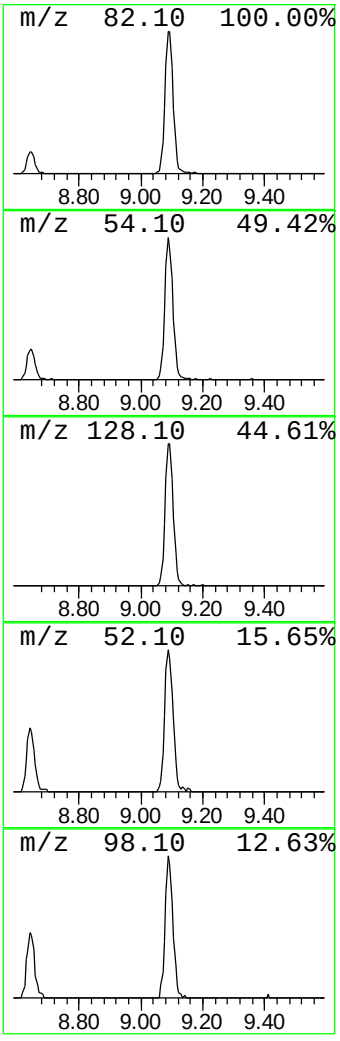
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	14.44 ng/ul	286578	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	90
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	32





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Operator : CG/JU
Sample : L3633-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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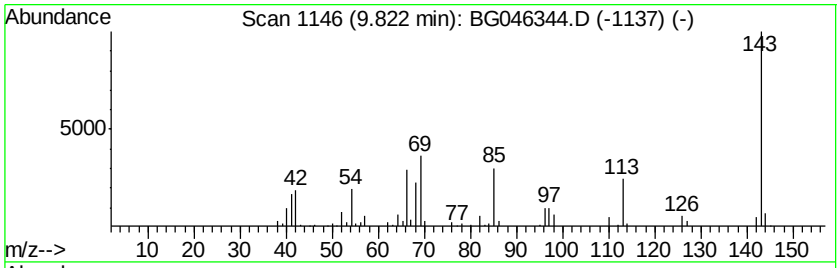
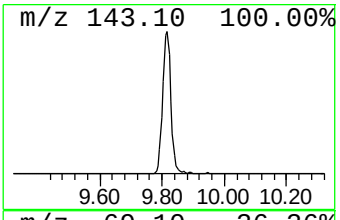
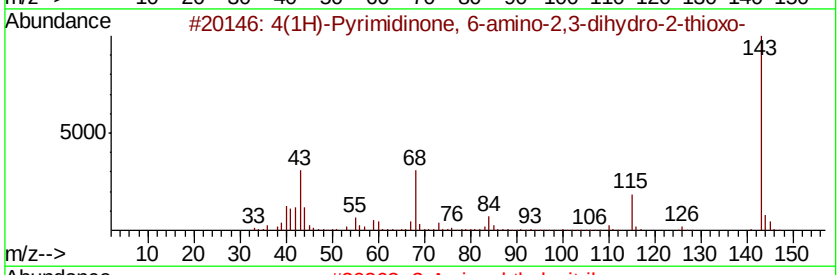
Peak Number 7 unknown-04 Concentration Rank 15

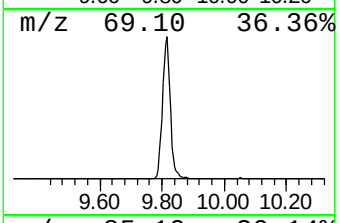
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	8.05 ng/ul	243665	Naphthalene-d8	10.73

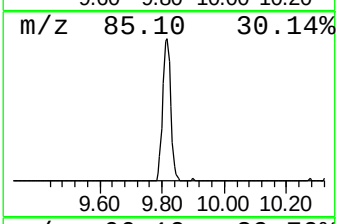
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	22
2	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10
3	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	10
4	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	9
5	2-Naphthalenamine	143	C10H9N	000091-59-8	9

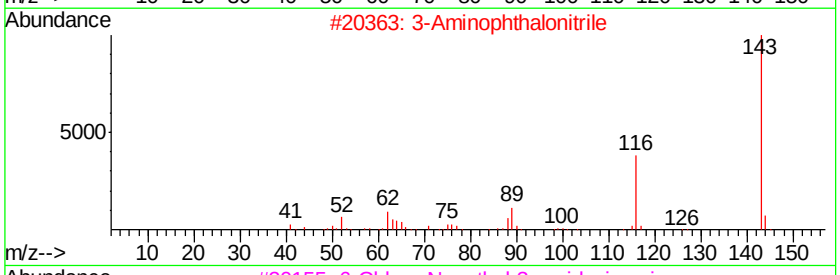


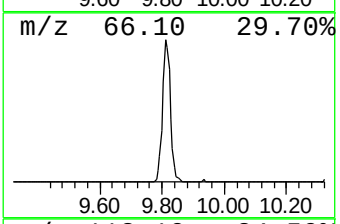


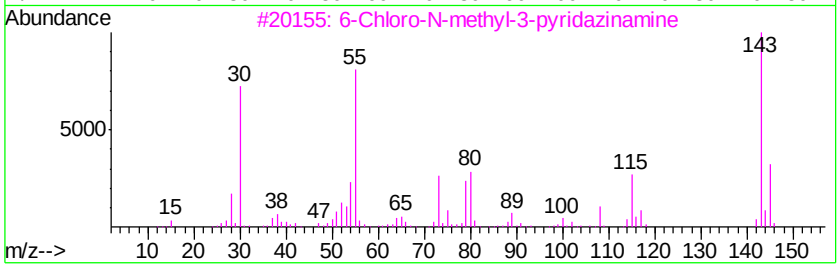


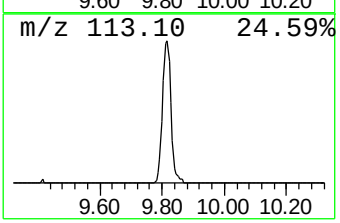












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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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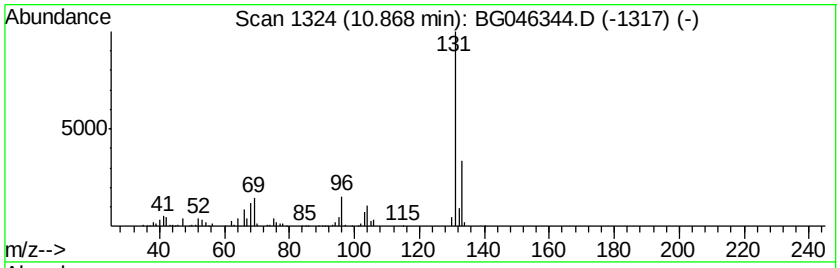
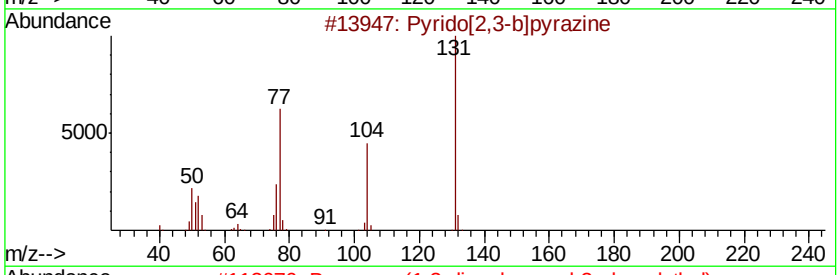
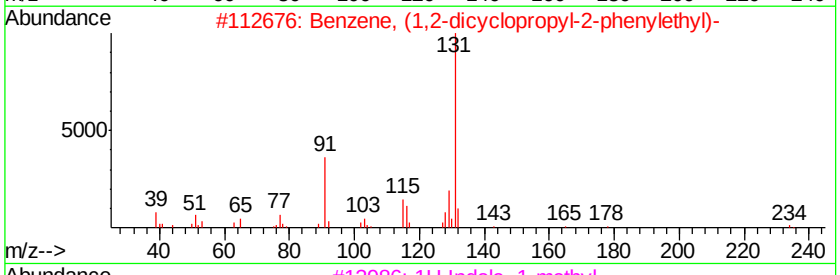
Peak Number 8 unknown-05 Concentration Rank 9

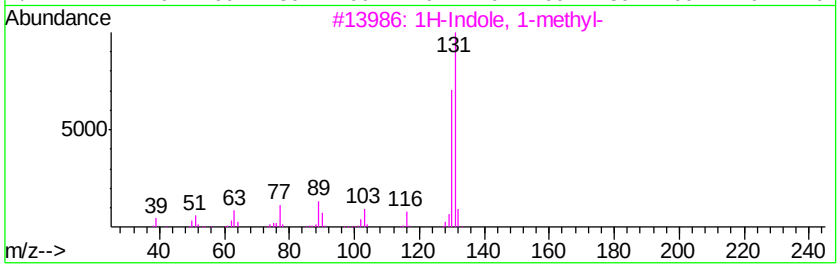
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	9.88 ng/ul	299234	Naphthalene-d8	10.73

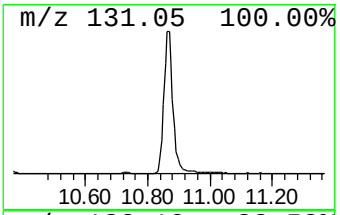
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	40
2	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	33
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	9
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9

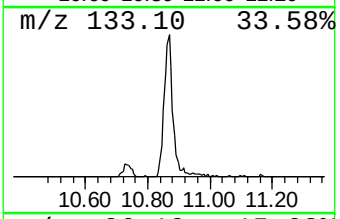


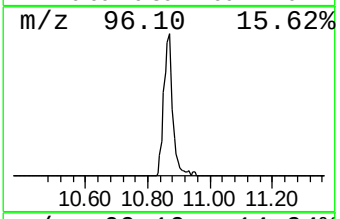


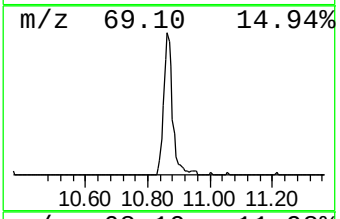


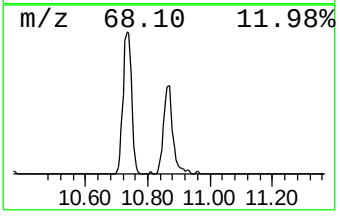












Library Search Compound Report

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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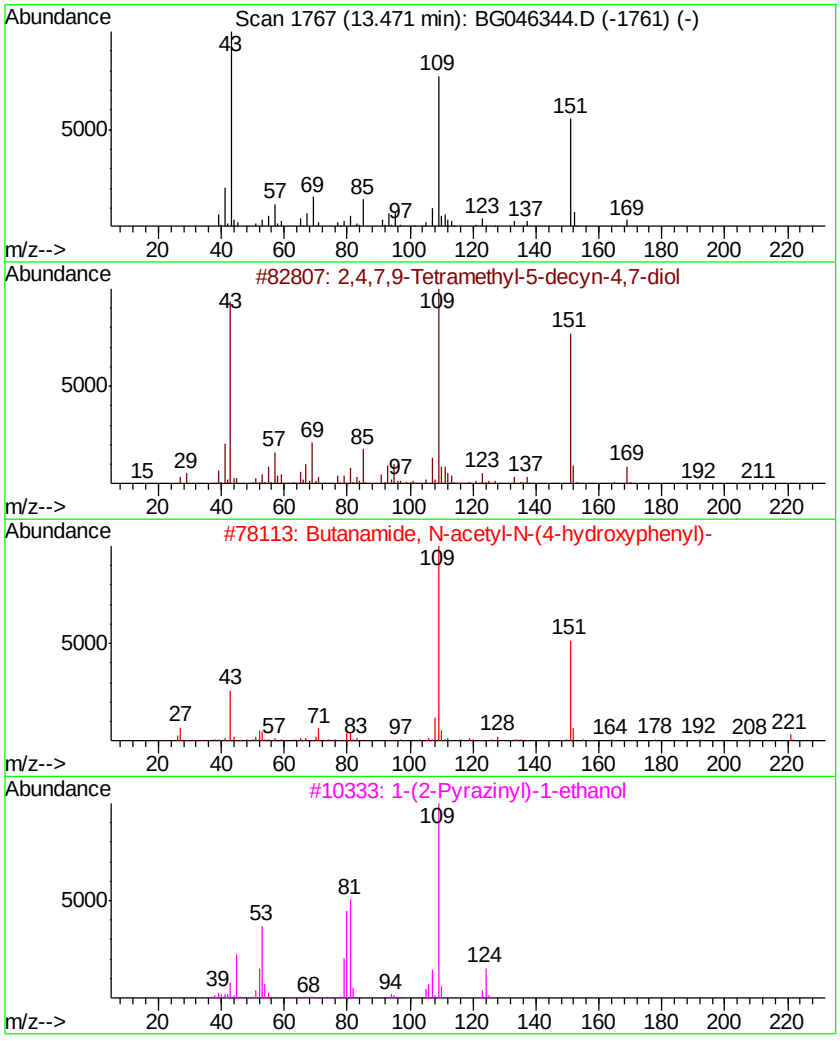
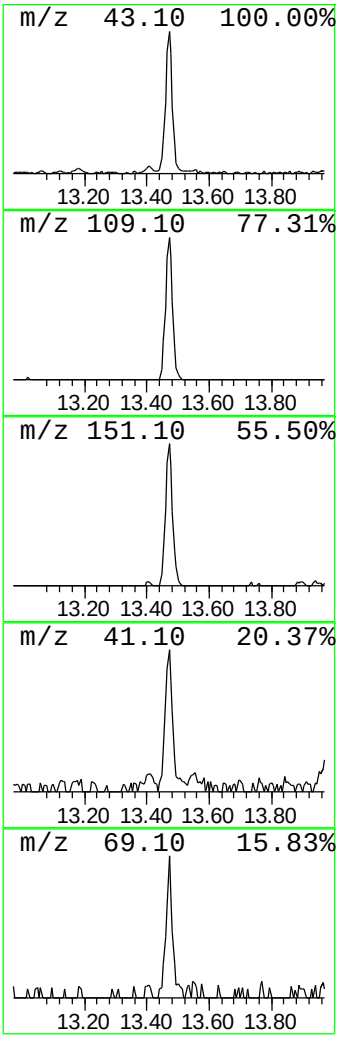
Peak Number 9 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.58 ng/ul	116034	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	64
2	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	45
3	1-(2-Pyrazinyl)-1-ethanol	124	C6H8N2O	094777-52-3	43
4	N-Cyclopropyl-p-fluorobenzylamine	165	C10H12FN	1000250-88-9	43
5	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	42





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Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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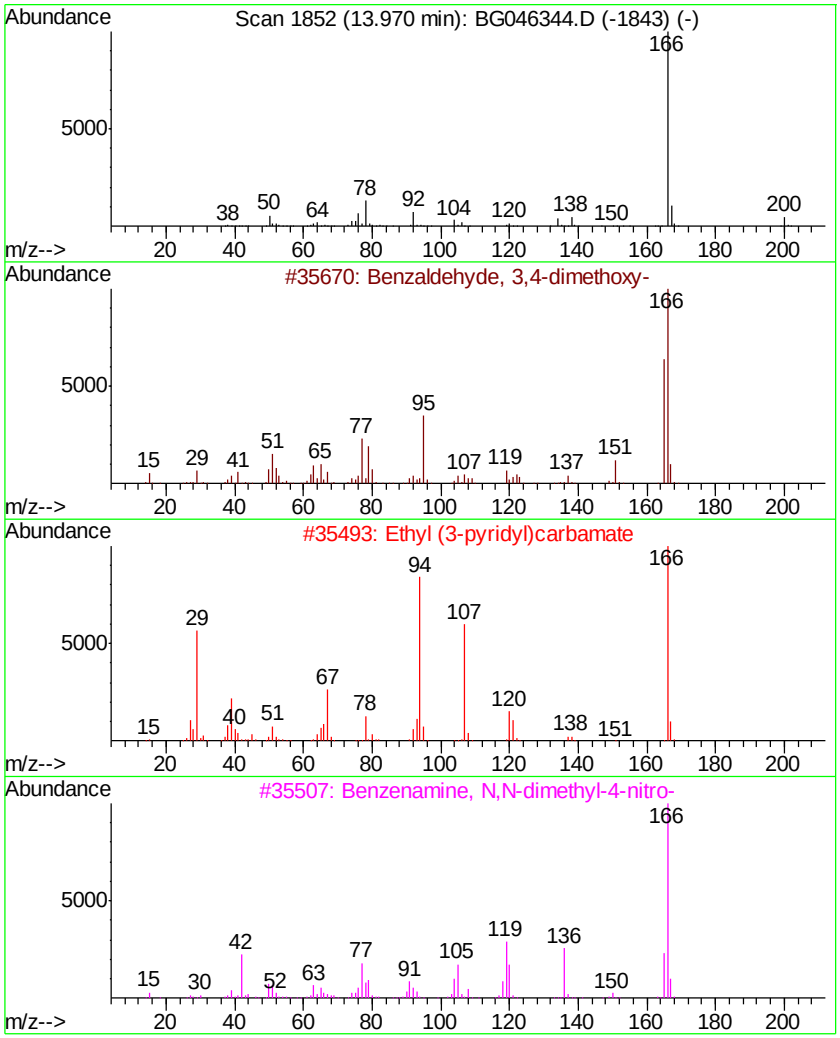
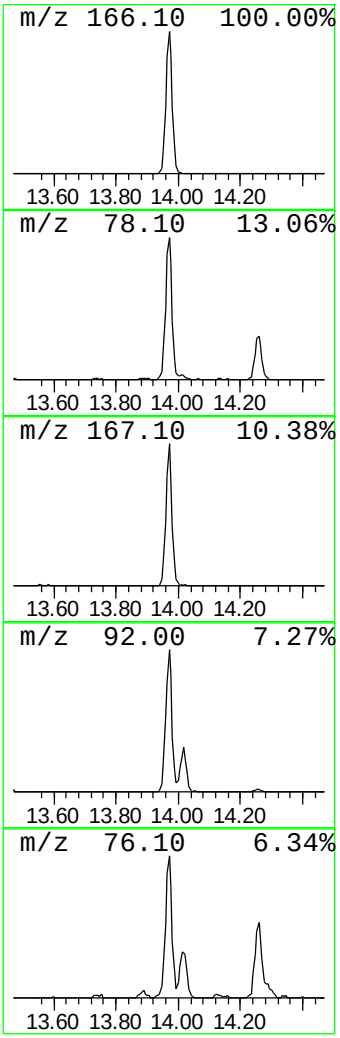
Peak Number 10 unknown-06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	15.50 ng/ul	696788	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
5	1H-Benzimidazole, 5-chloro-2-met...	166	C8H7ClN2	002818-69-1	9





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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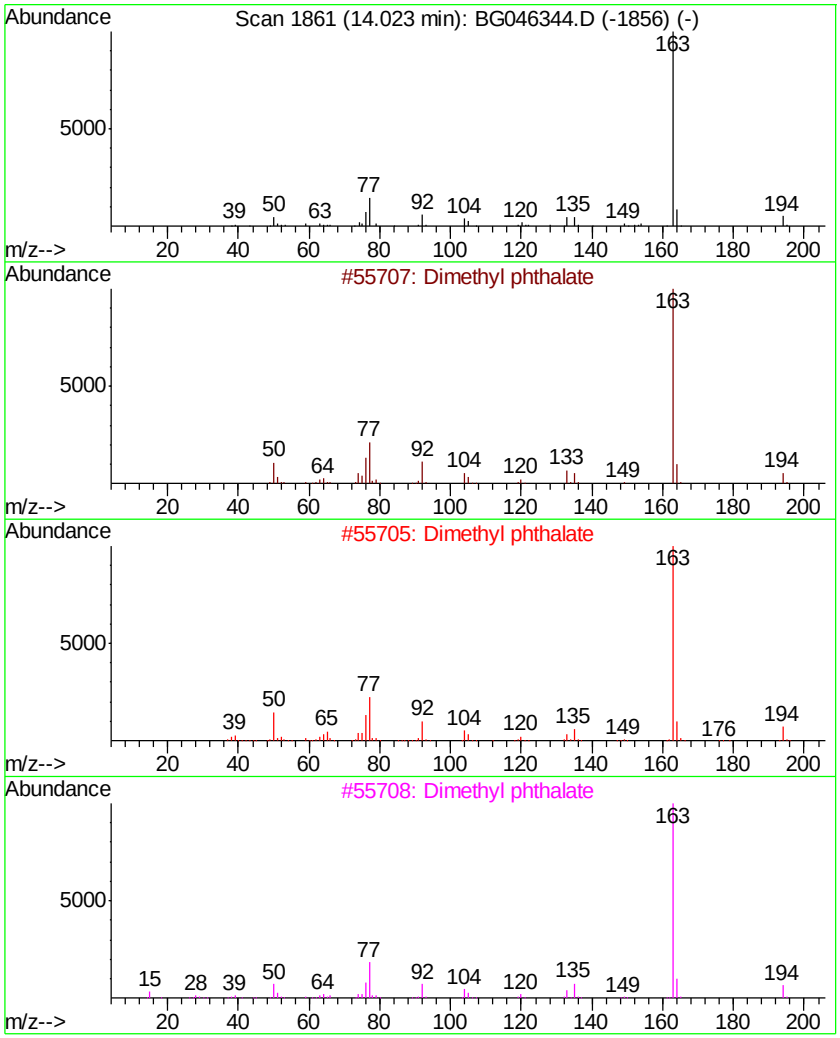
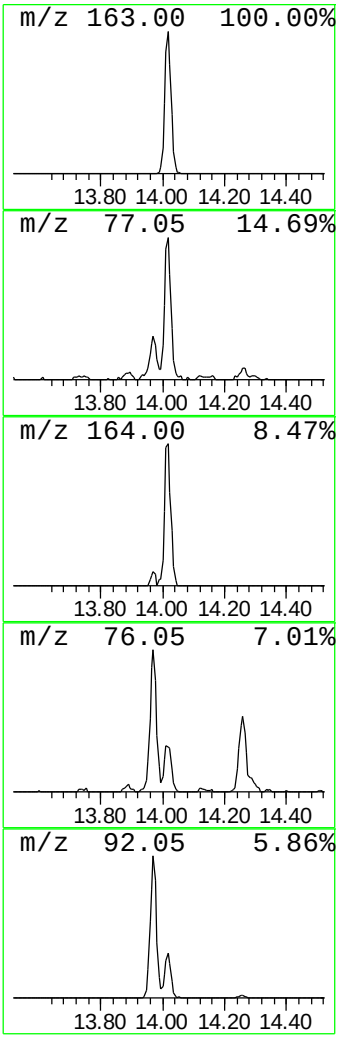
Peak Number 11 Dimethyl phthalate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	4.63 ng/ul	208123	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	95
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
4	Benzoic acid, 2-(1-oxopropyl)-, ...	192	C11H12O3	032025-37-9	83
5	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	78





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Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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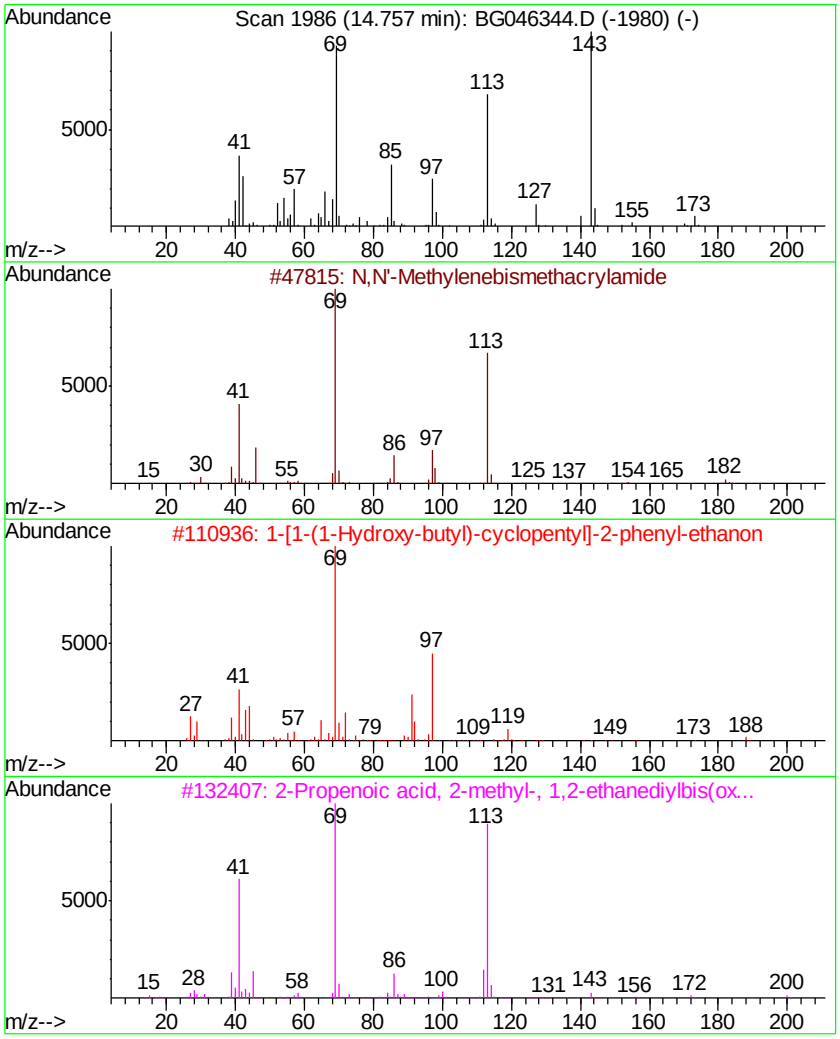
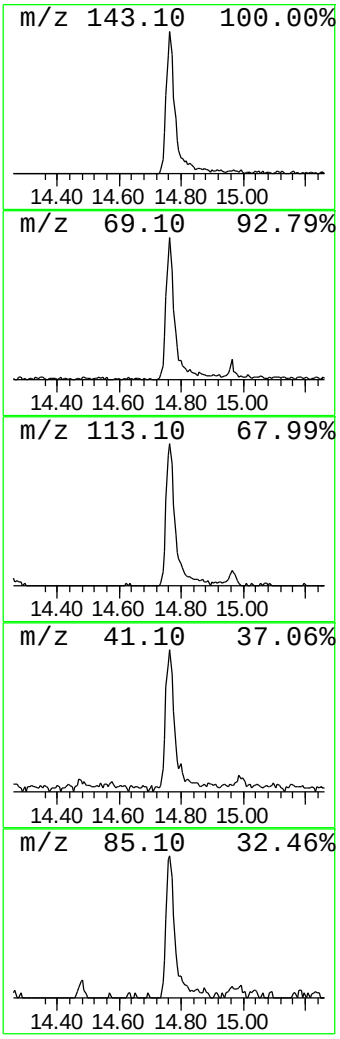
Peak Number 12 unknown-07 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	4.85 ng/ul	217865	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
2	1-[1-(1-Hydroxy-butyl)-cyclopent...	260	C17H24O2	097234-38-3	22
3	2-Propenoic acid, 2-methyl-, 1,2...	286	C14H22O6	000109-16-0	16
4	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16
5	2-Thiophenemethanamine	113	C5H7NS	027757-85-3	14





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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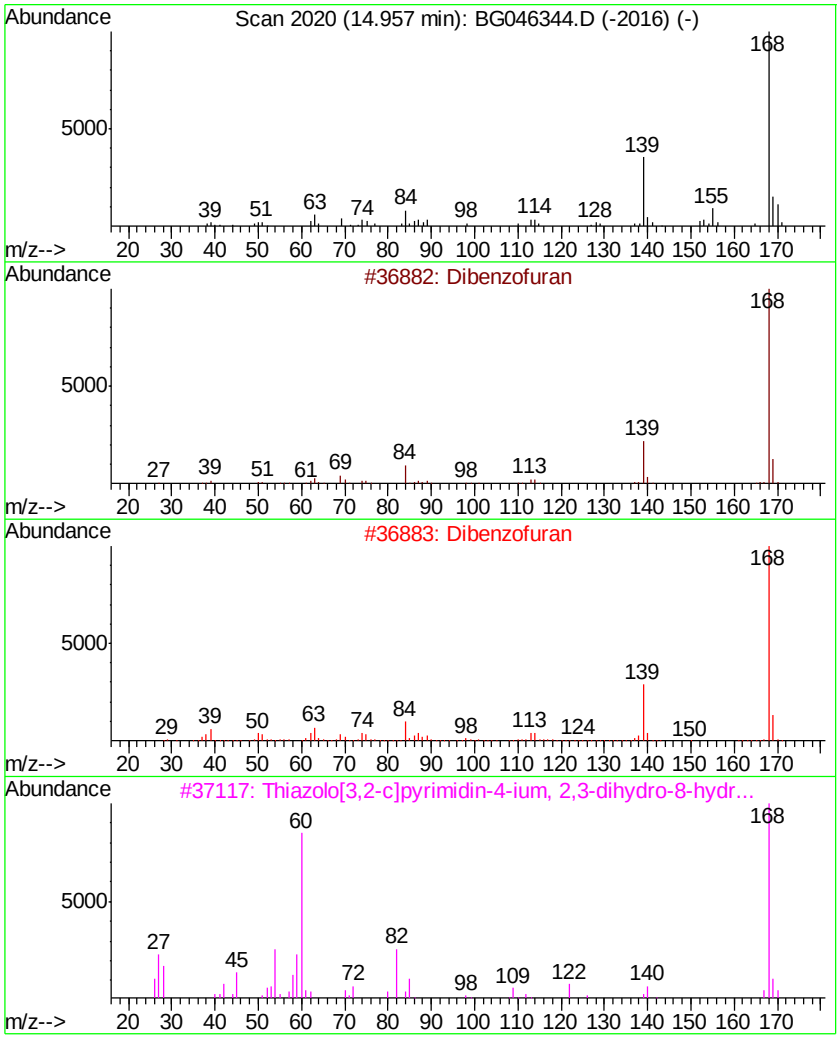
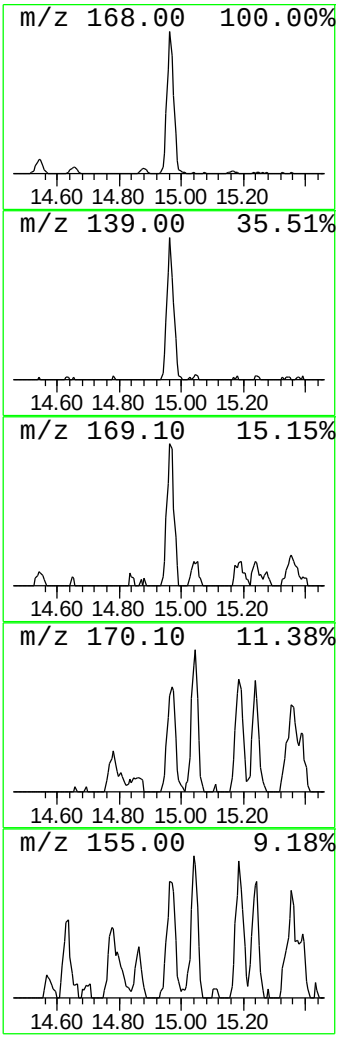
Peak Number 13 Dibenzofuran Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.29 ng/ul	102946	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	74
2	Dibenzofuran	168	C12H8O	000132-64-9	72
3	Thiazolo[3,2-c]pyrimidin-4-ium, ...	168	C7H8N2OS	024614-07-1	53
4	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	50
5	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	50





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Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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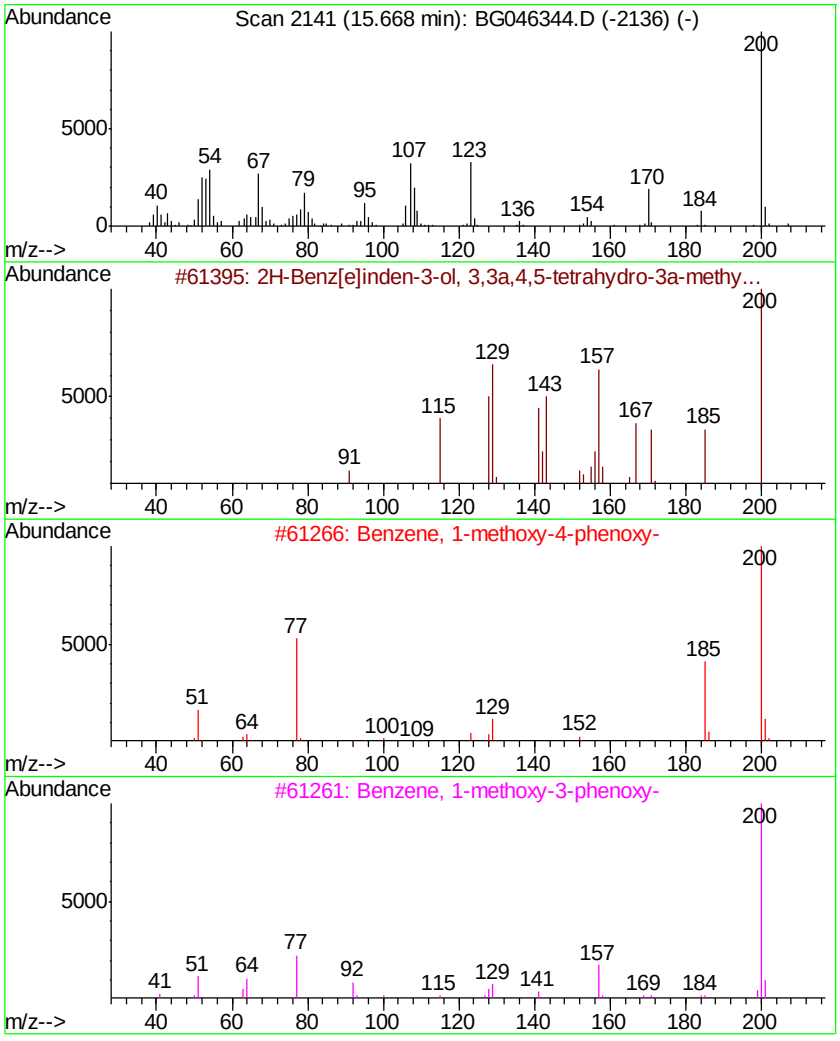
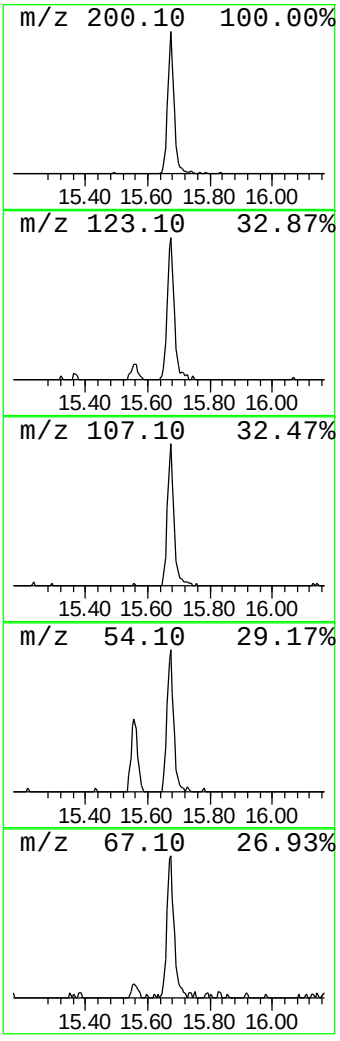
Peak Number 14 unknown-08 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.02 ng/ul	225604	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
3	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	10
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
5	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10





Library Search Compound Report

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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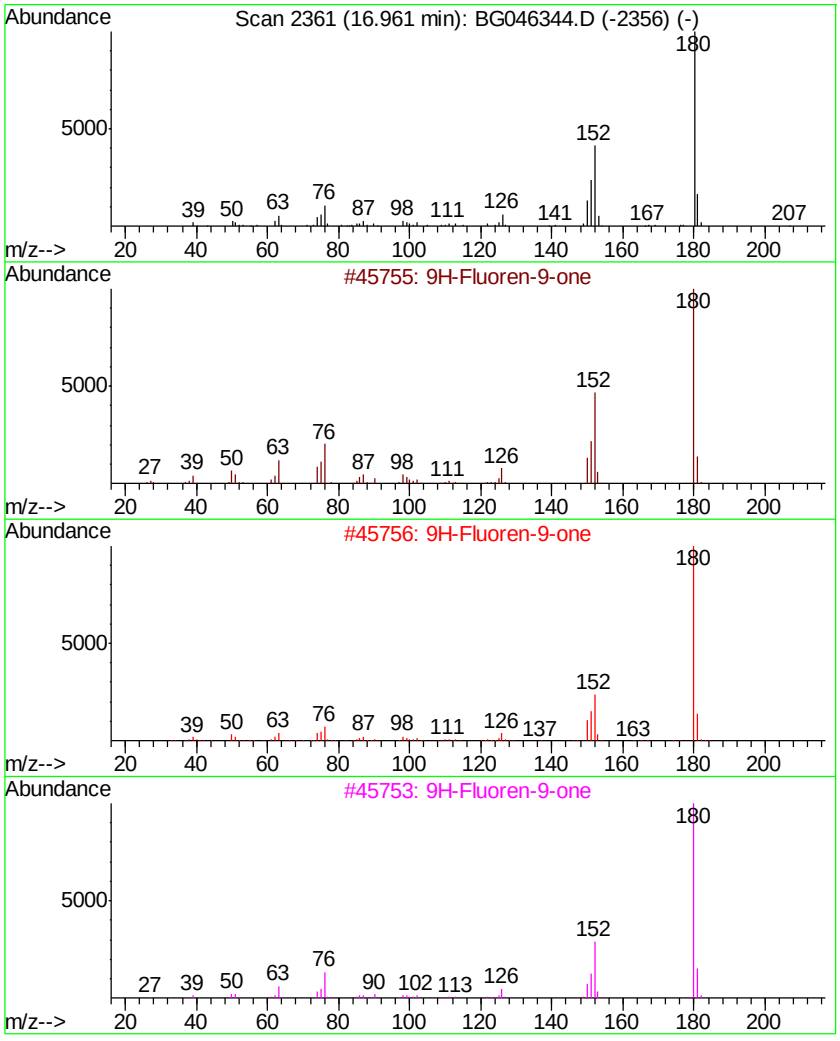
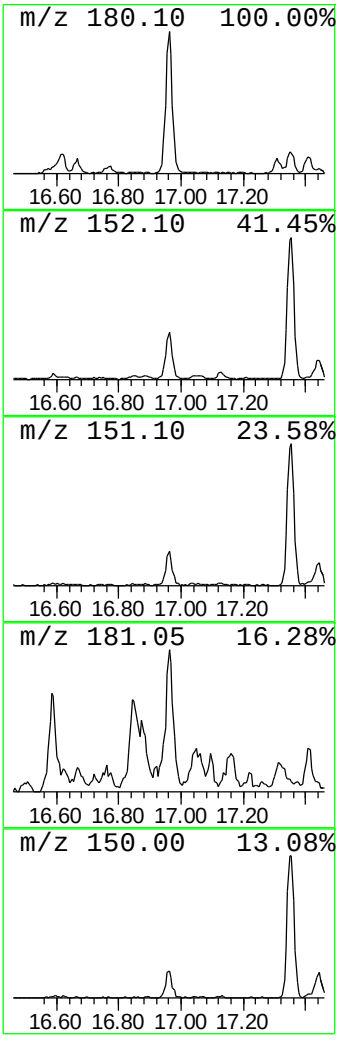
Peak Number 15 9H-Fluoren-9-one Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.77 ng/ul	154077	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68





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ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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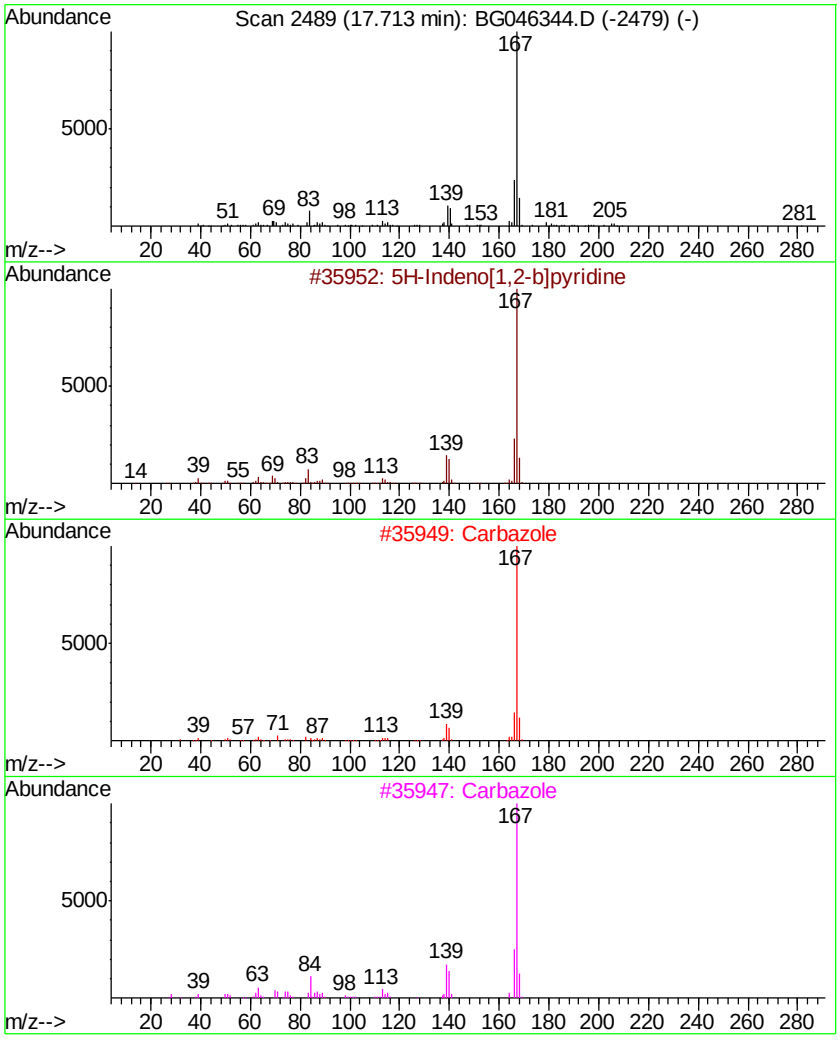
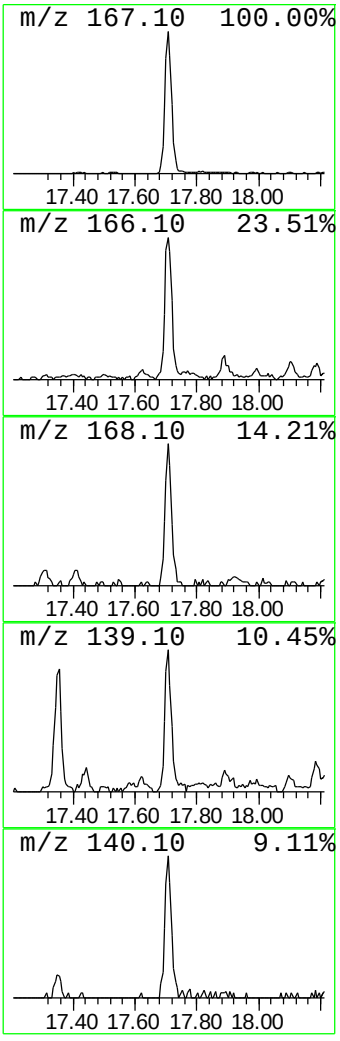
Peak Number 16 5H-Indeno[1,2-b]pyridine Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	3.46 ng/ul	192214	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	90
3	Carbazole	167	C12H9N	000086-74-8	90
4	Carbazole	167	C12H9N	000086-74-8	87
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	87





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Quant Title : SVOA CALIBRATION

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

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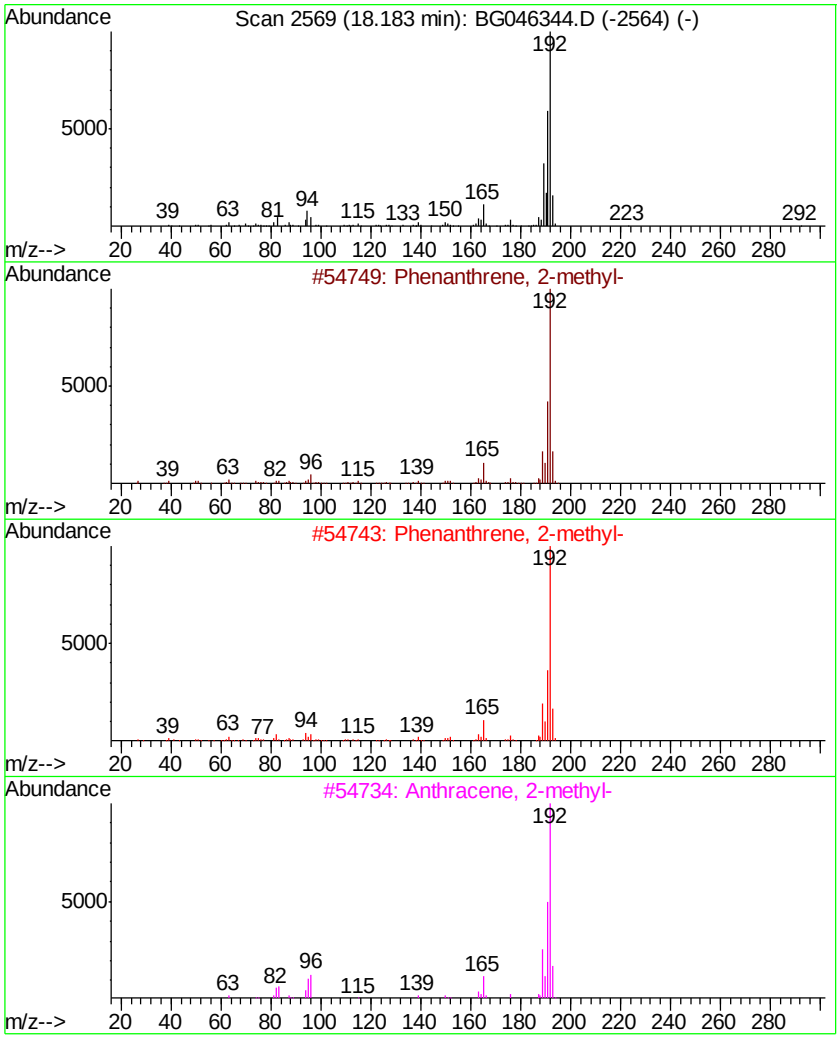
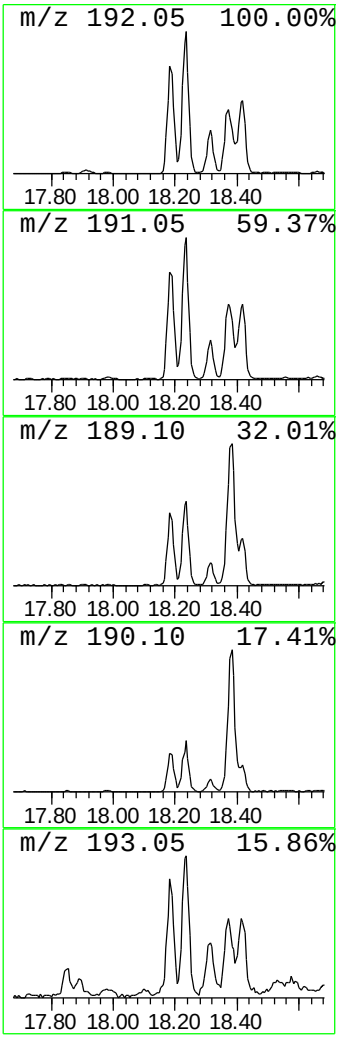
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.91 ng/ul	273131	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, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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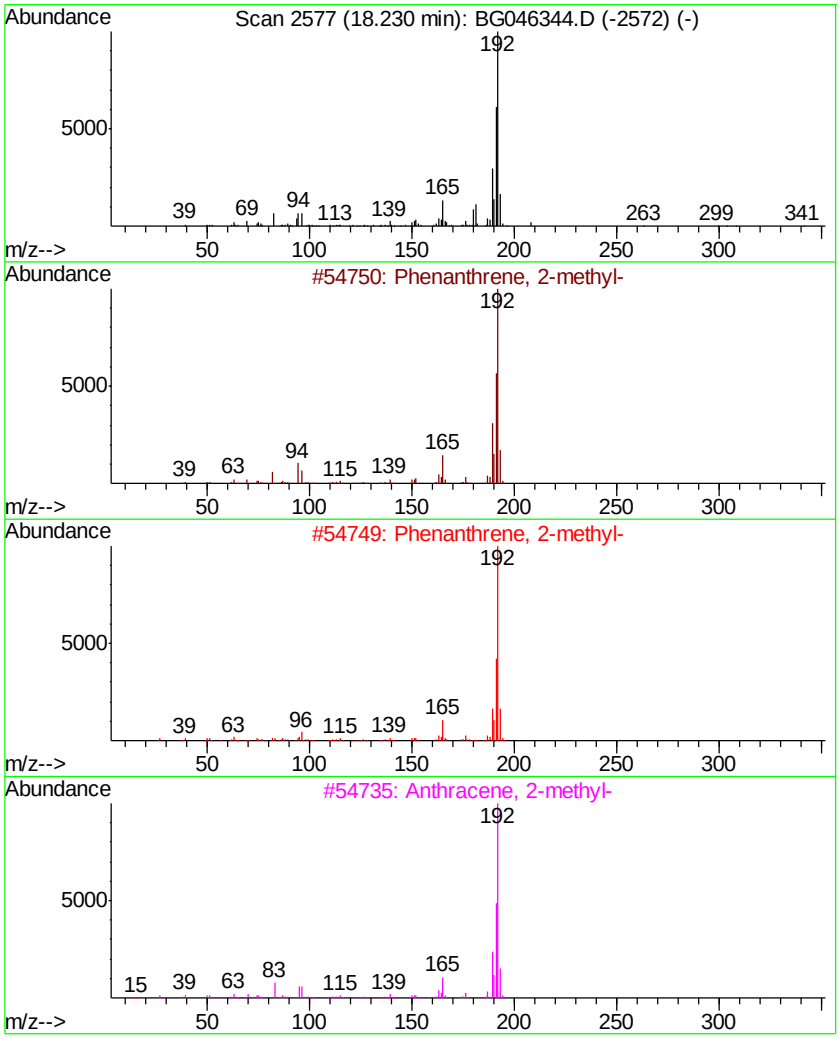
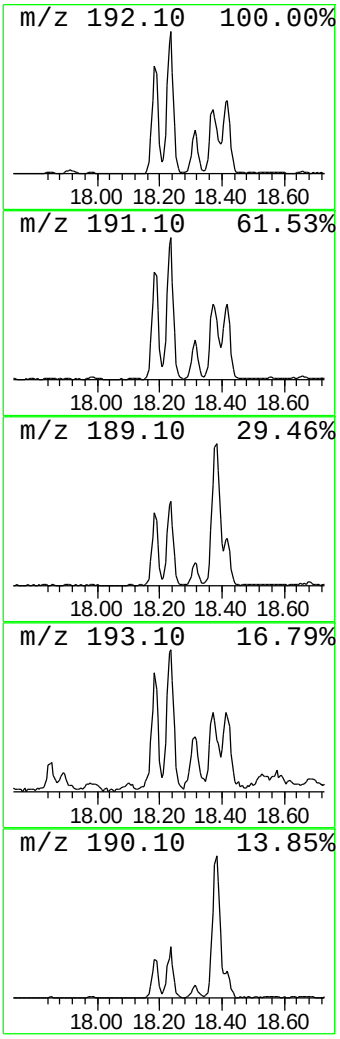
Peak Number 18 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	9.47 ng/ul	526425	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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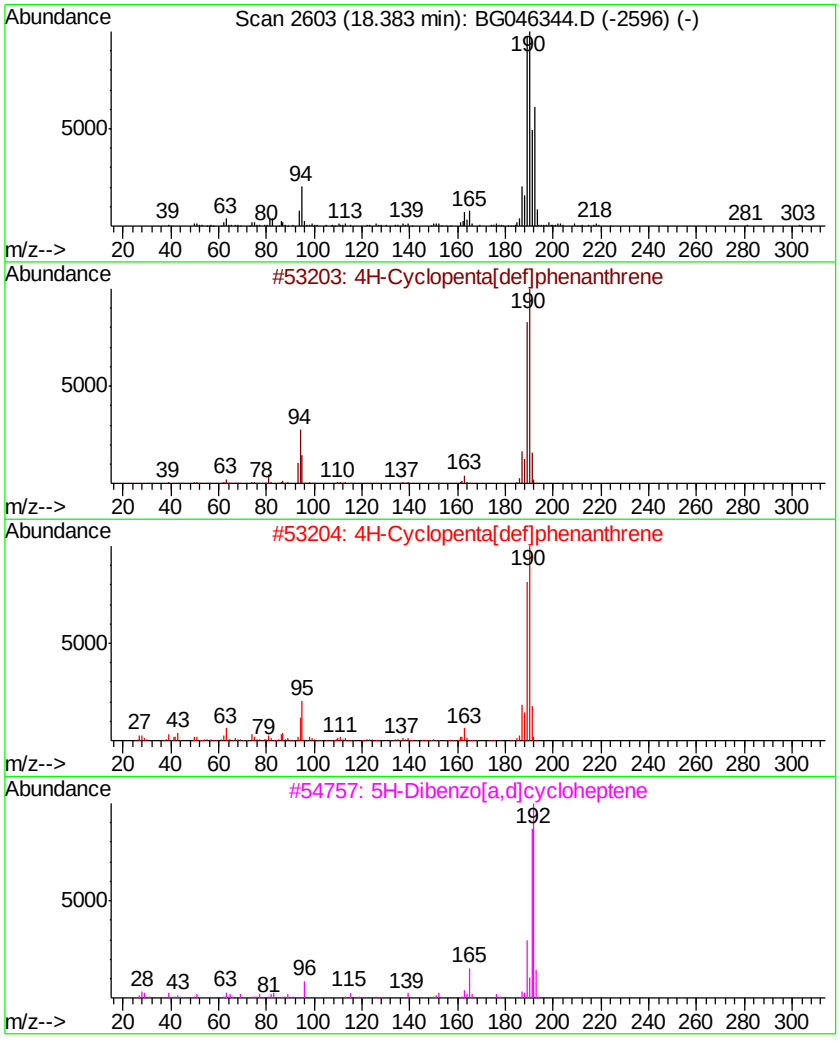
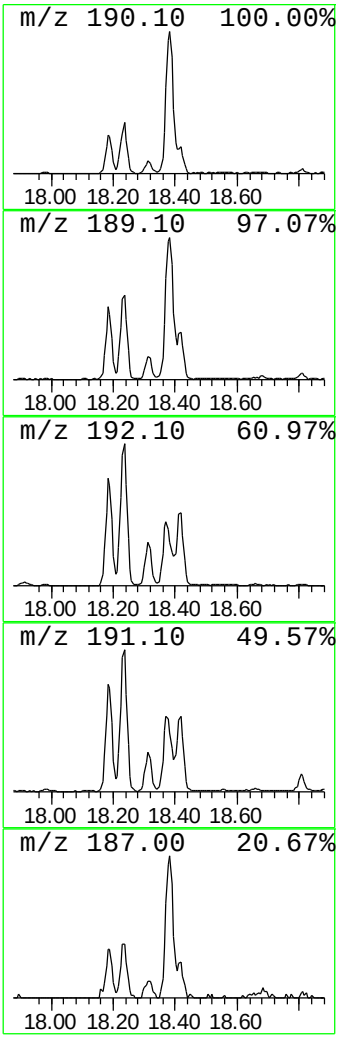
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.45 ng/ul	358612	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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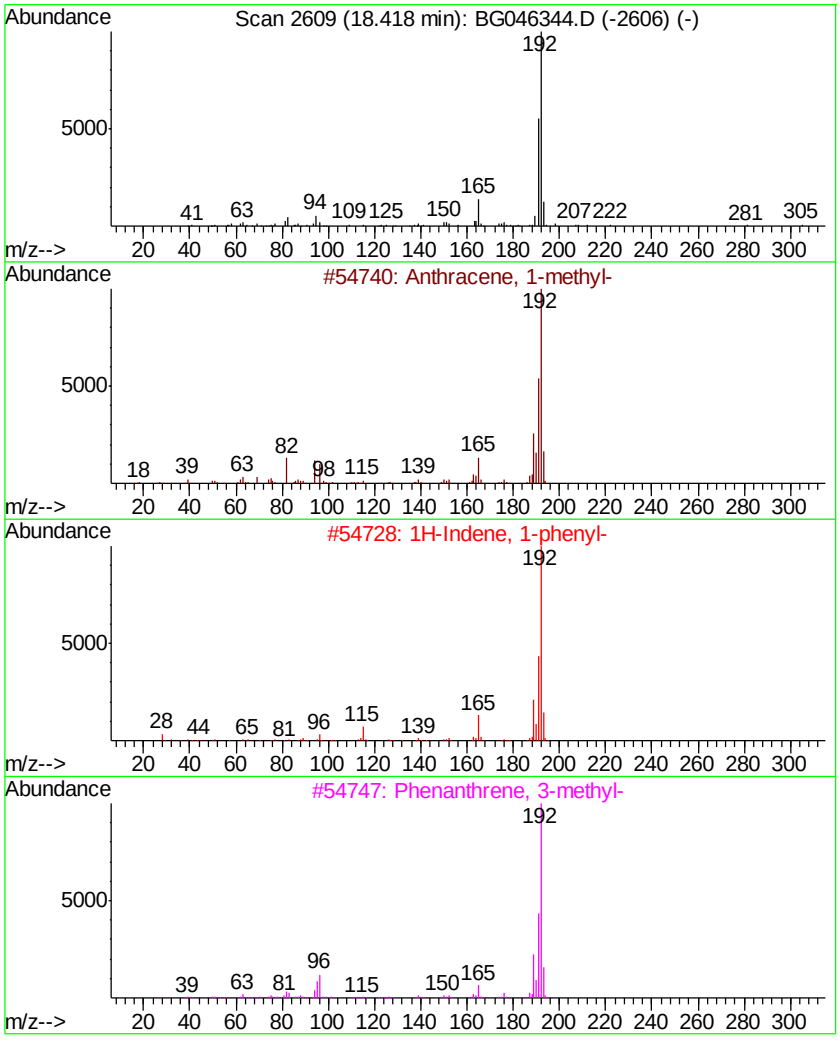
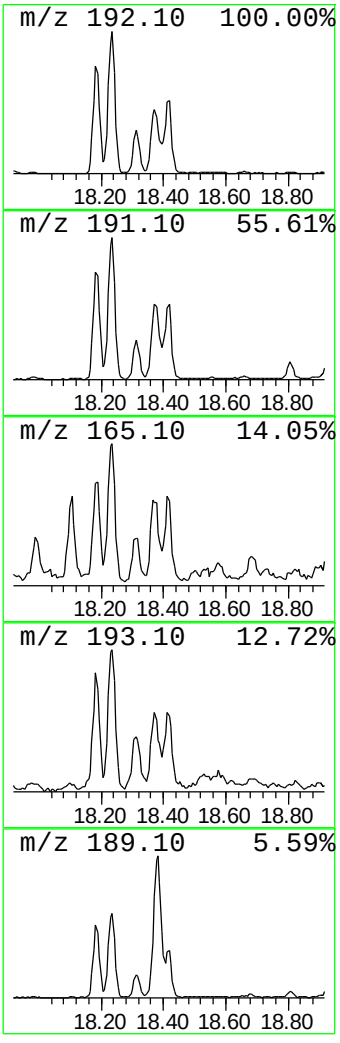
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.85 ng/ul	158272	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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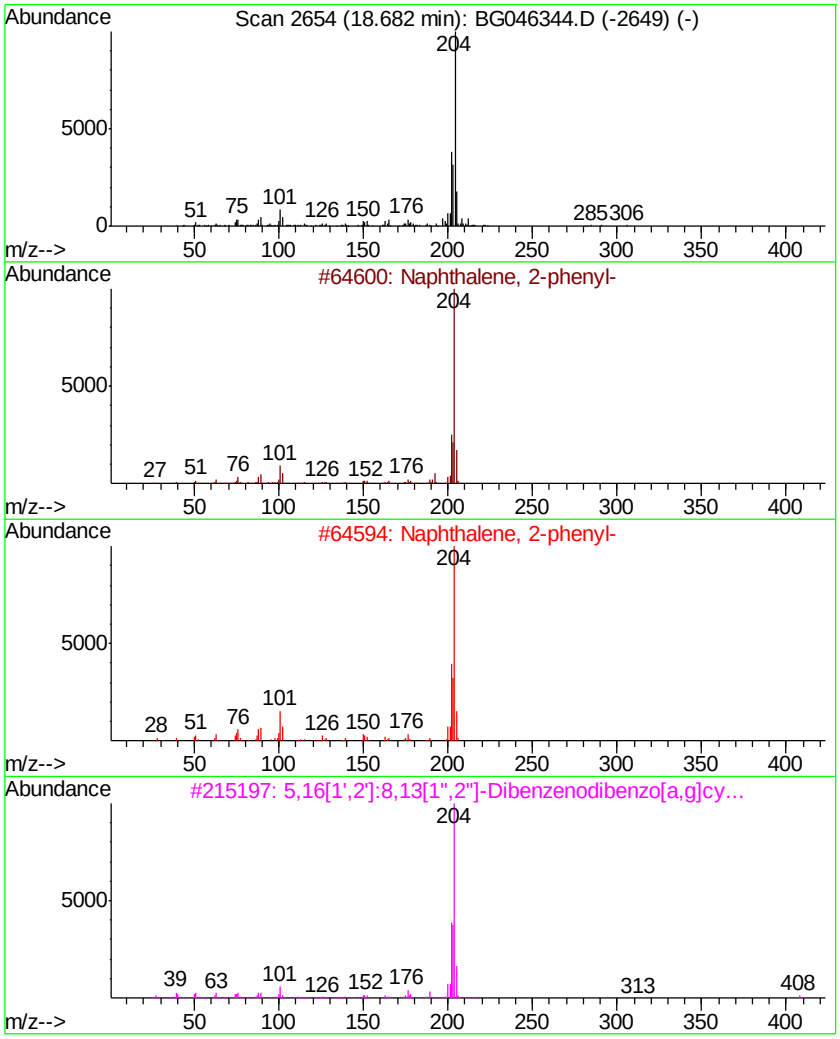
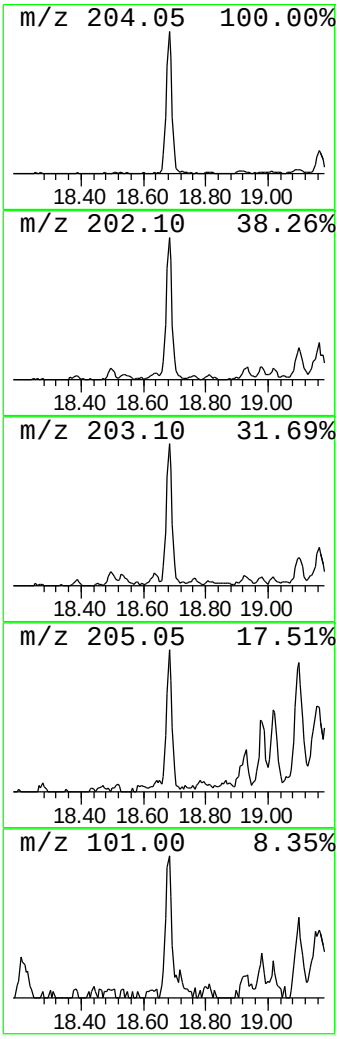
Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.41 ng/ul	189382	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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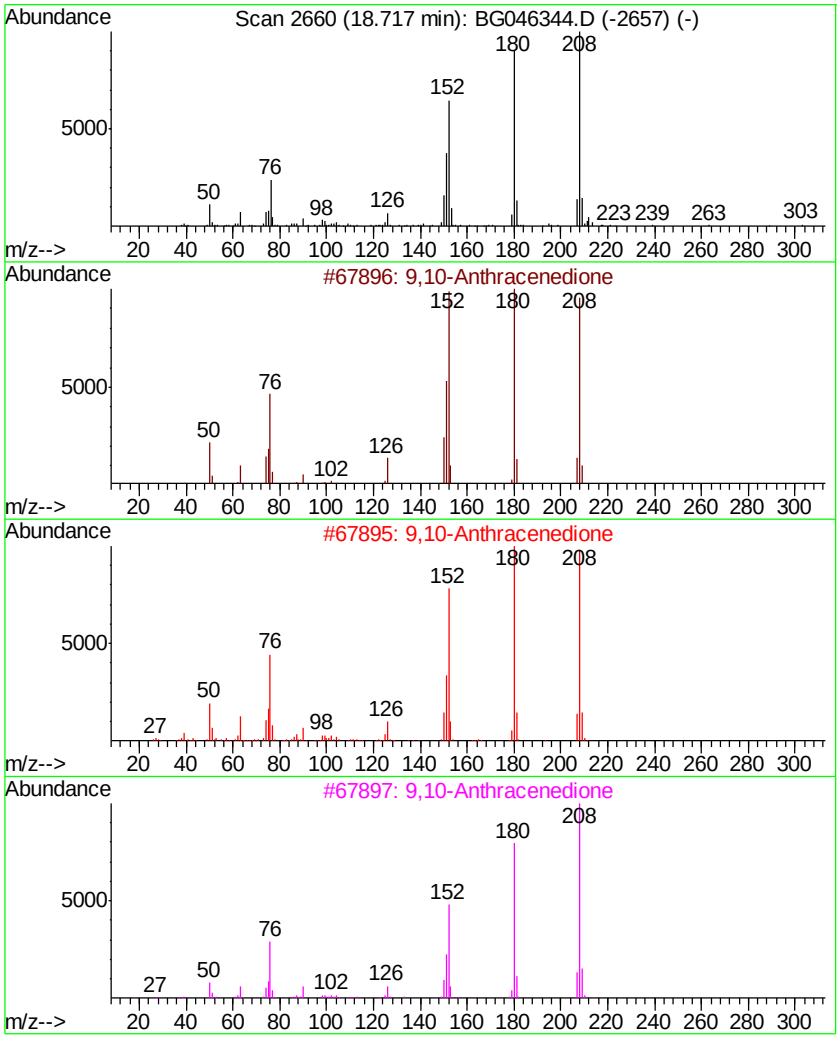
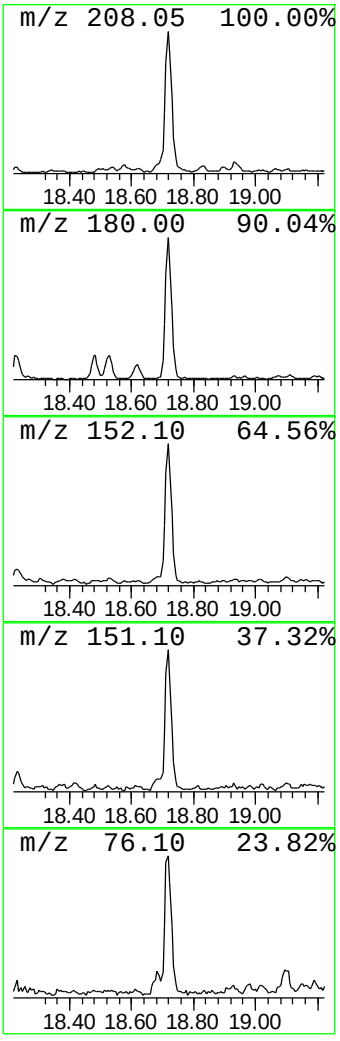
Peak Number 22 9,10-Anthracenedione Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	4.20 ng/ul	233335	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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Quant Title : SVOA CALIBRATION

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

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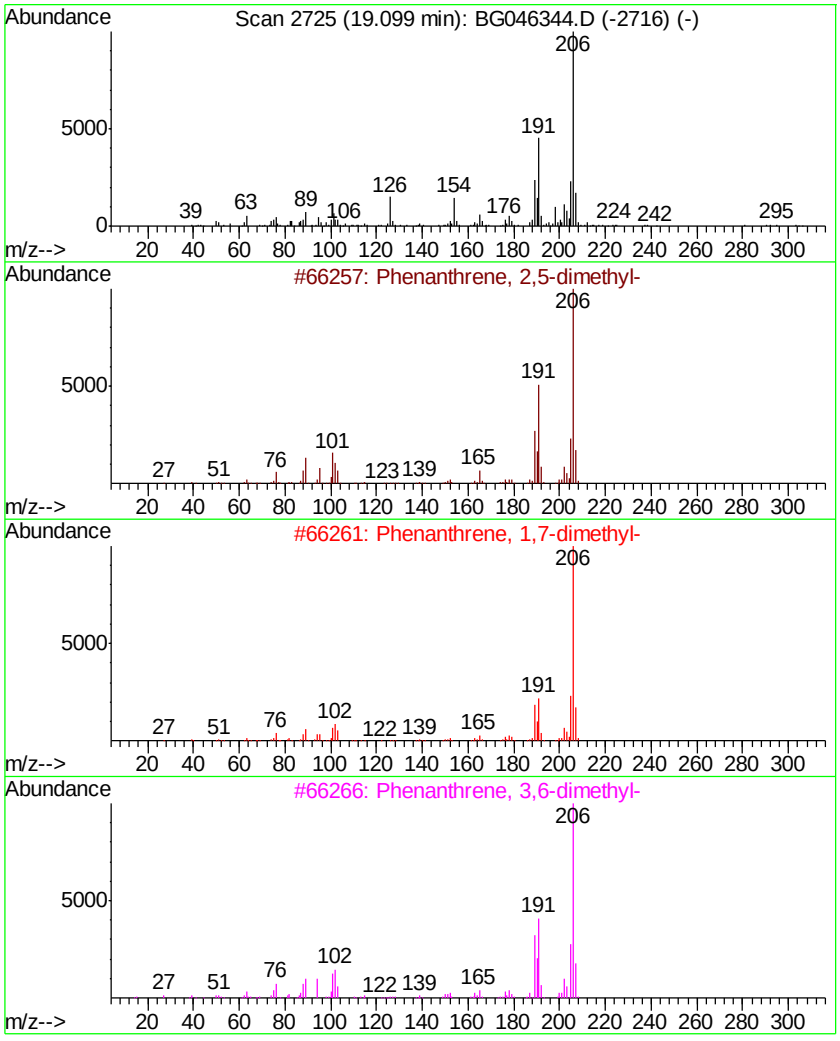
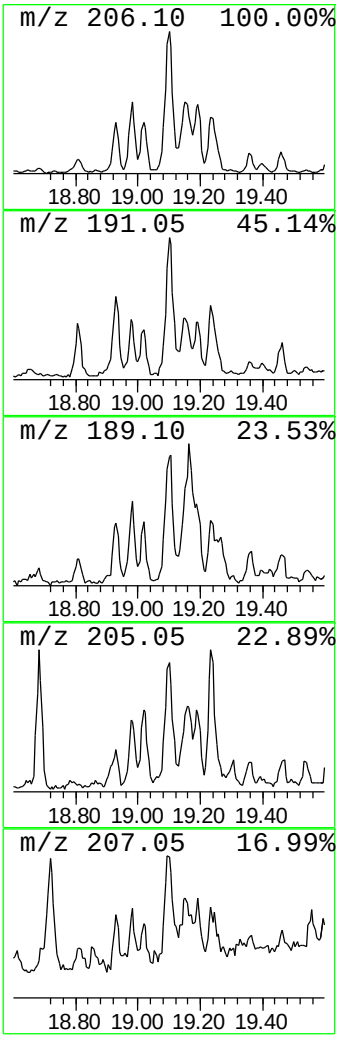
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	4.37 ng/ul	242991	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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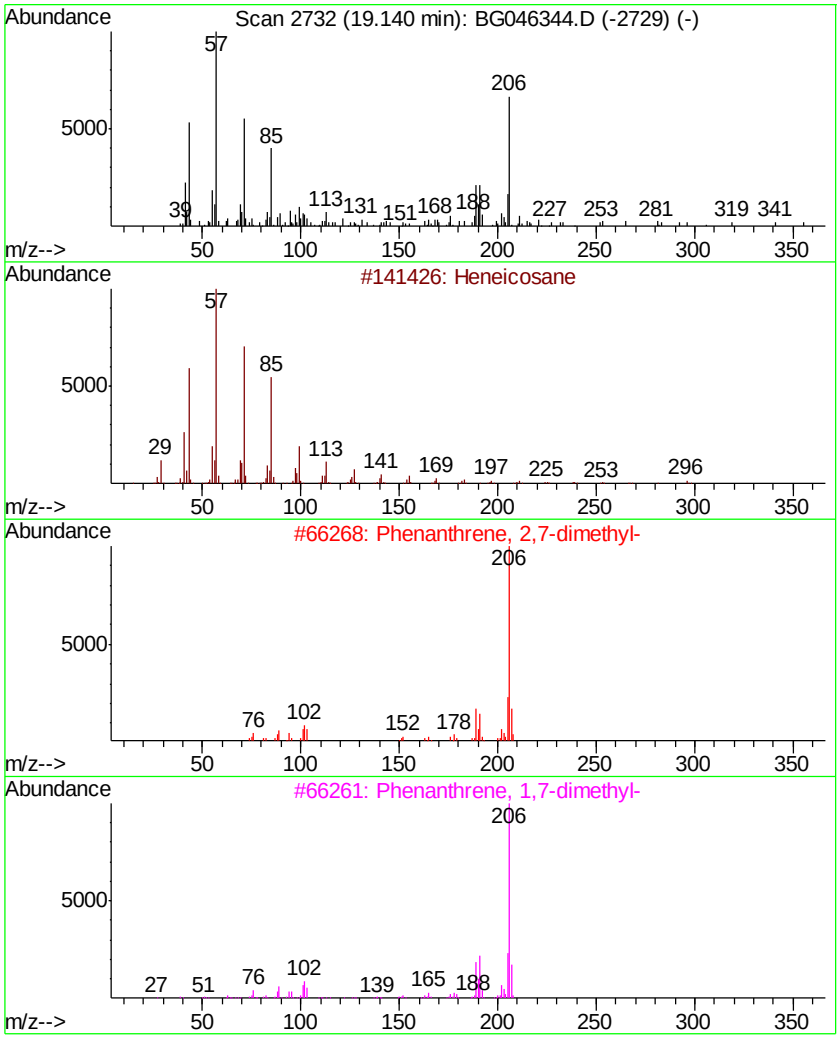
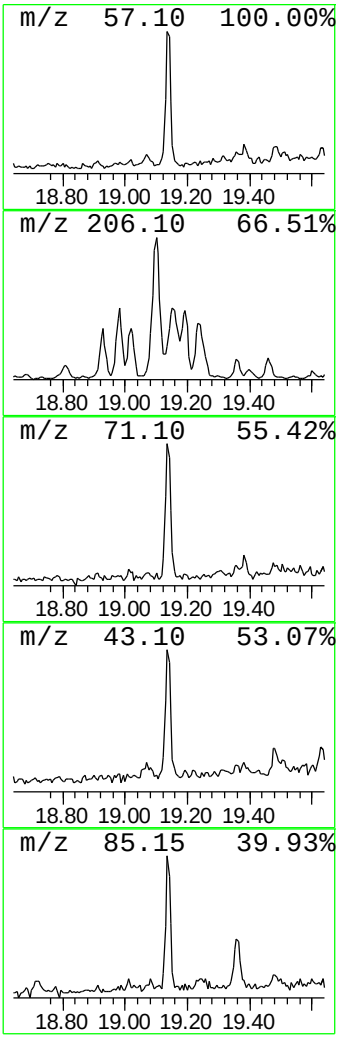
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.21 ng/ul	122960	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	74
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	50
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	46





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ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

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

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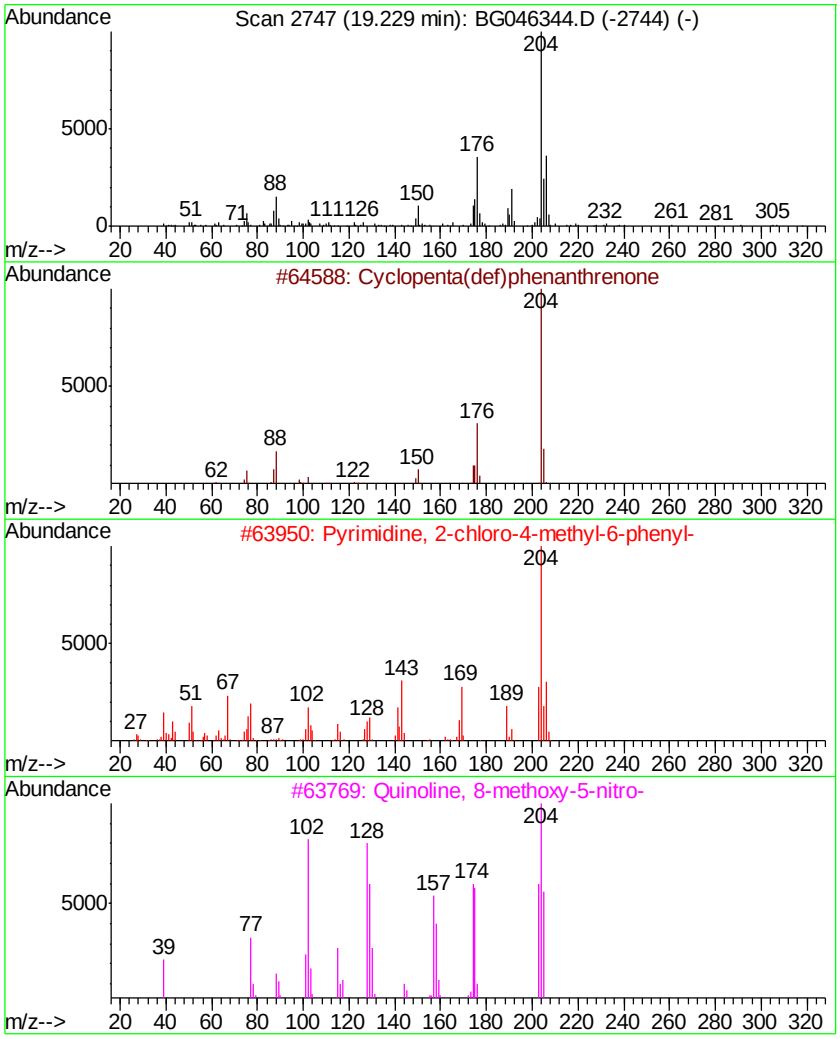
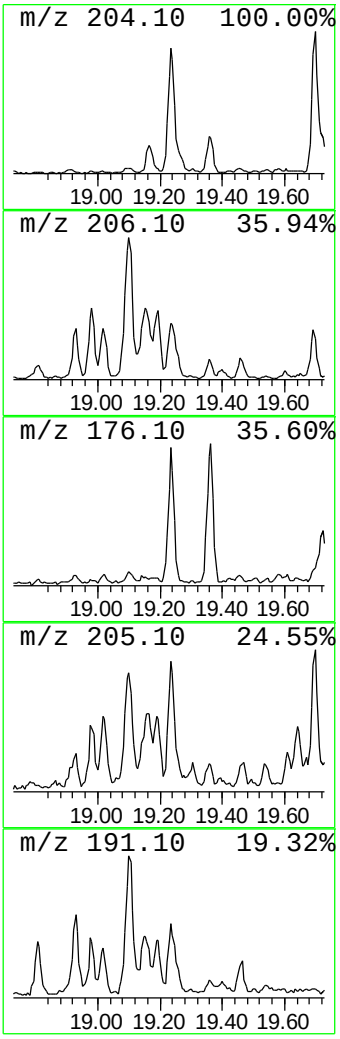
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.72 ng/ul	206623	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38





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Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

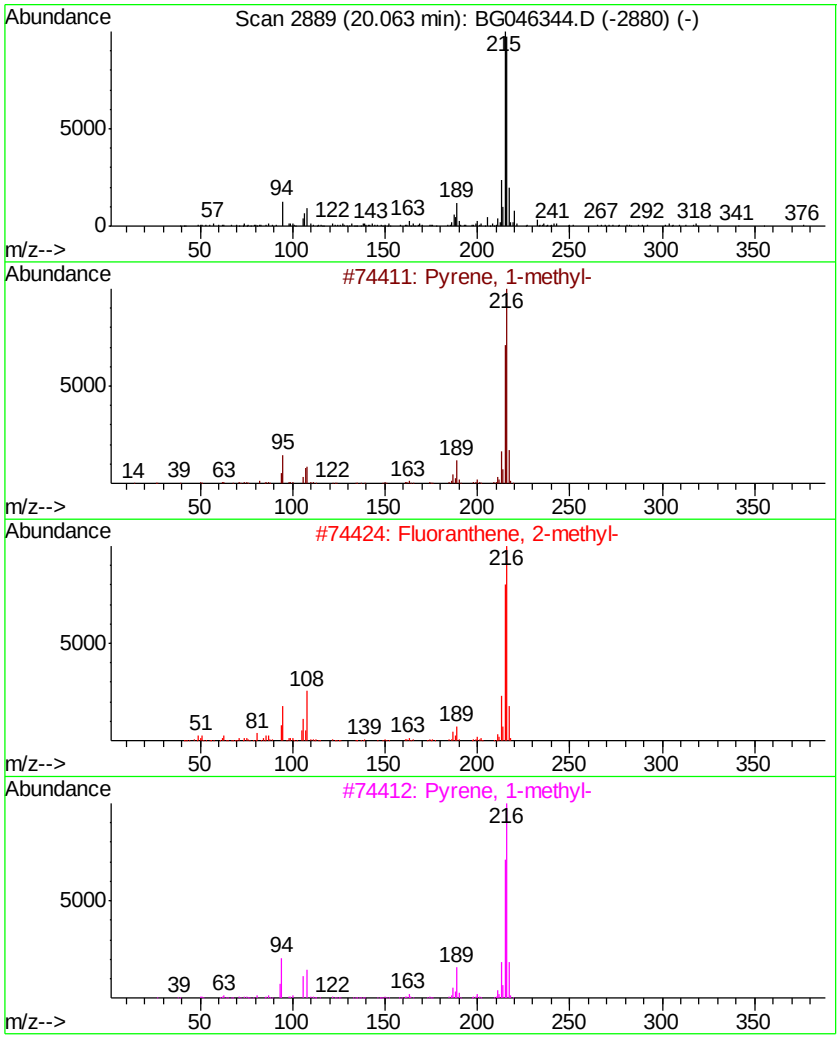
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

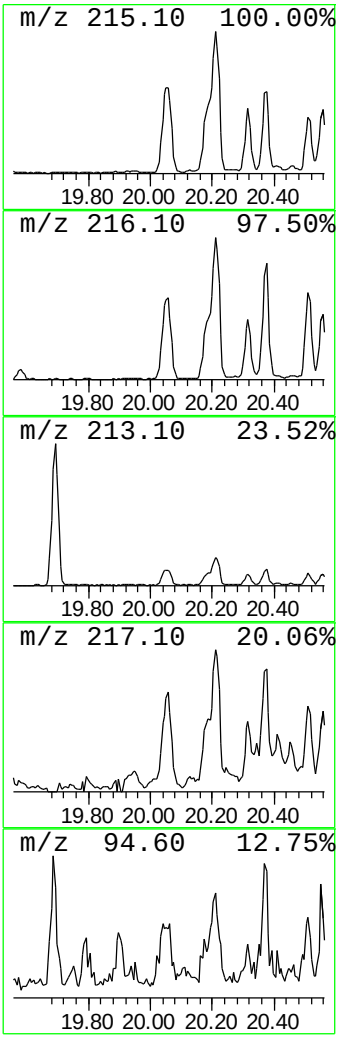
****

Peak Number 26 Pyrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.94 ng/ul	342684	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Library Search Compound Report

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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

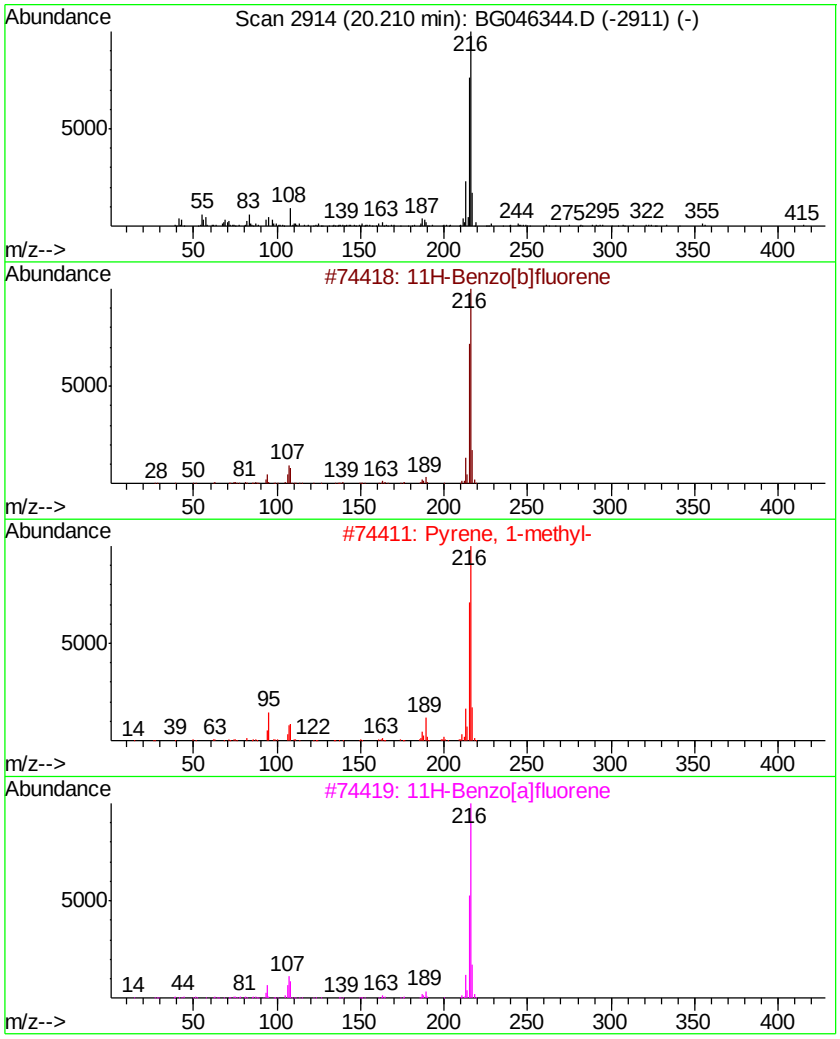
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

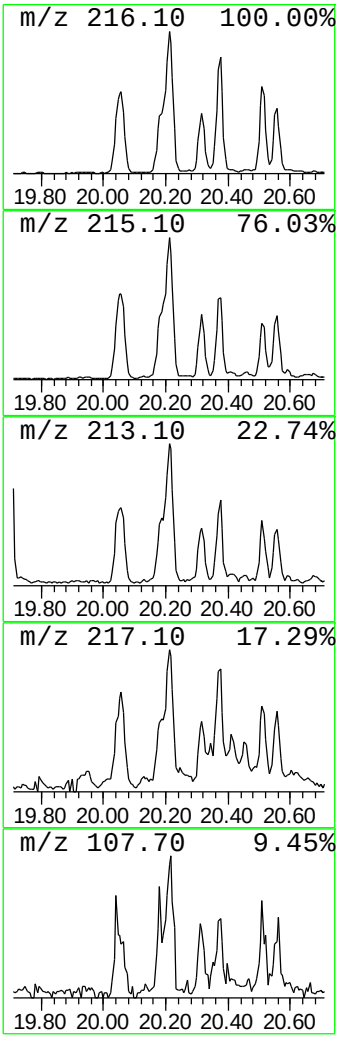
****

Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.03 ng/ul	237199	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Library Search Compound Report

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Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

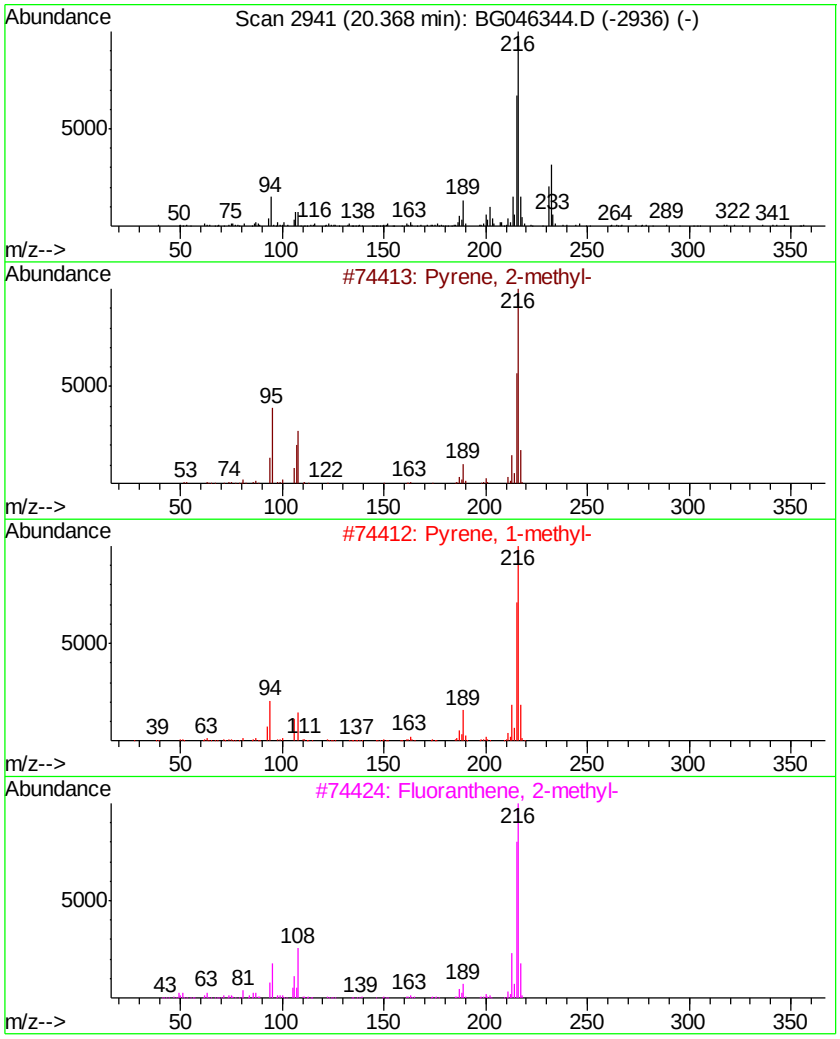
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

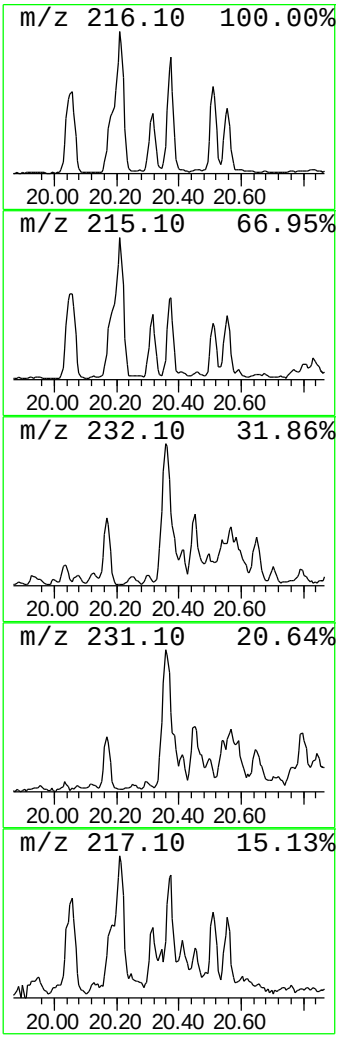
****

Peak Number 28 Pyrene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.20 ng/ul	256387	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

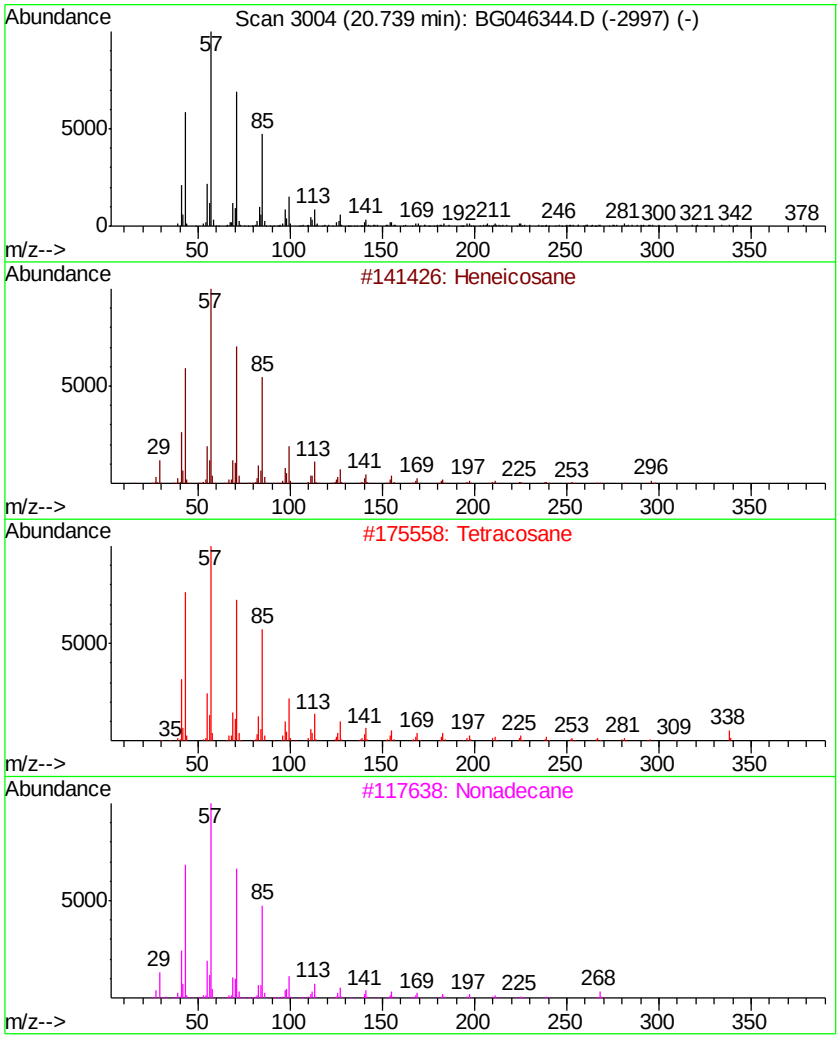
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

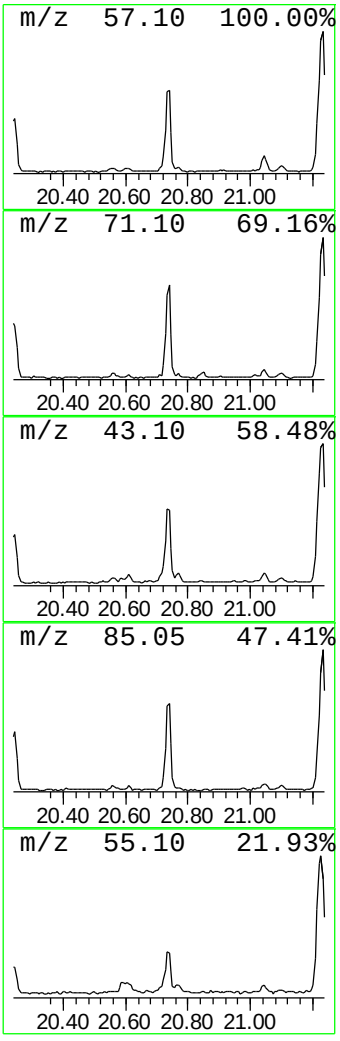
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.48 ng/ul	289569	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Tetracosane	338	C24H50	000646-31-1	94
3	Nonadecane	268	C19H40	000629-92-5	94
4	Hexacosane	366	C26H54	000630-01-3	94
5	Hexadecane	226	C16H34	000544-76-3	93





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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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 30 11H-Benzo[a]fluoren-11-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.37 ng/ul	275953	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
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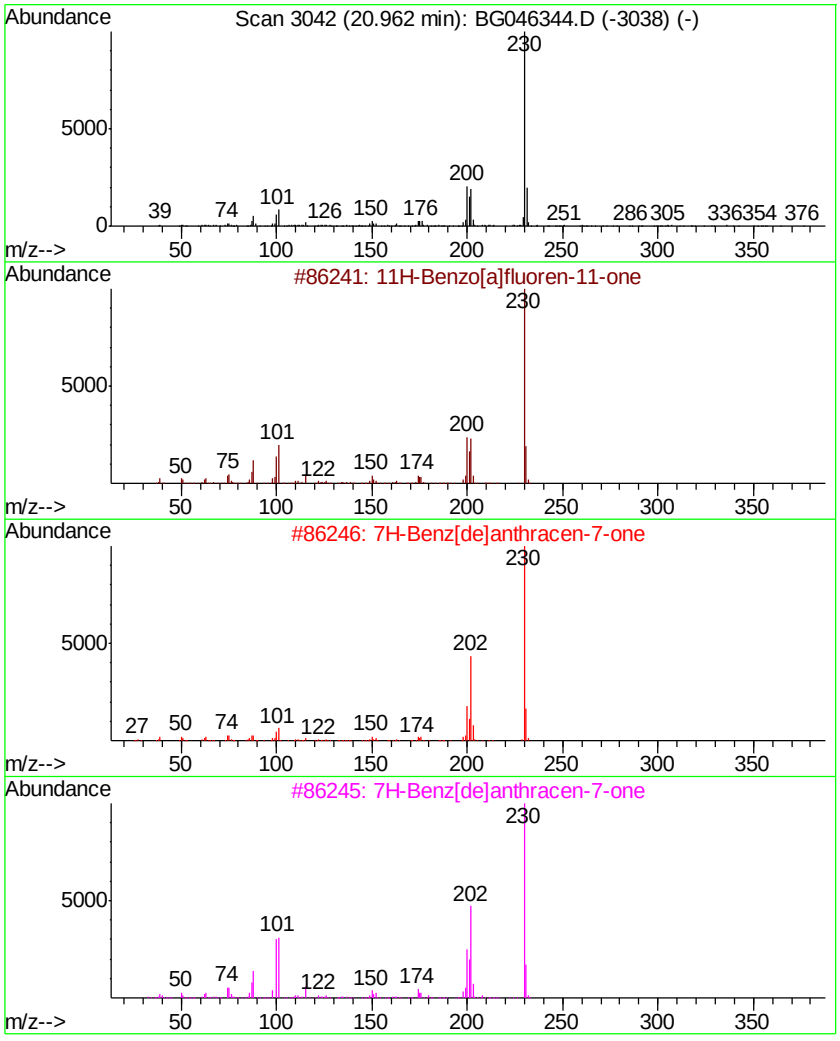

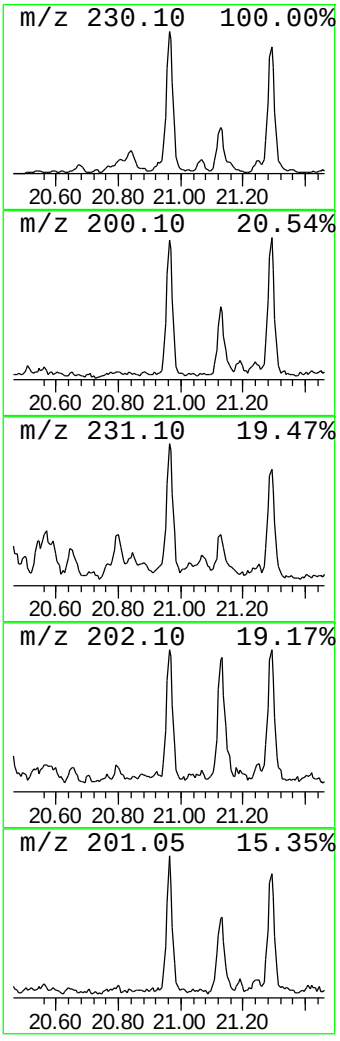

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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

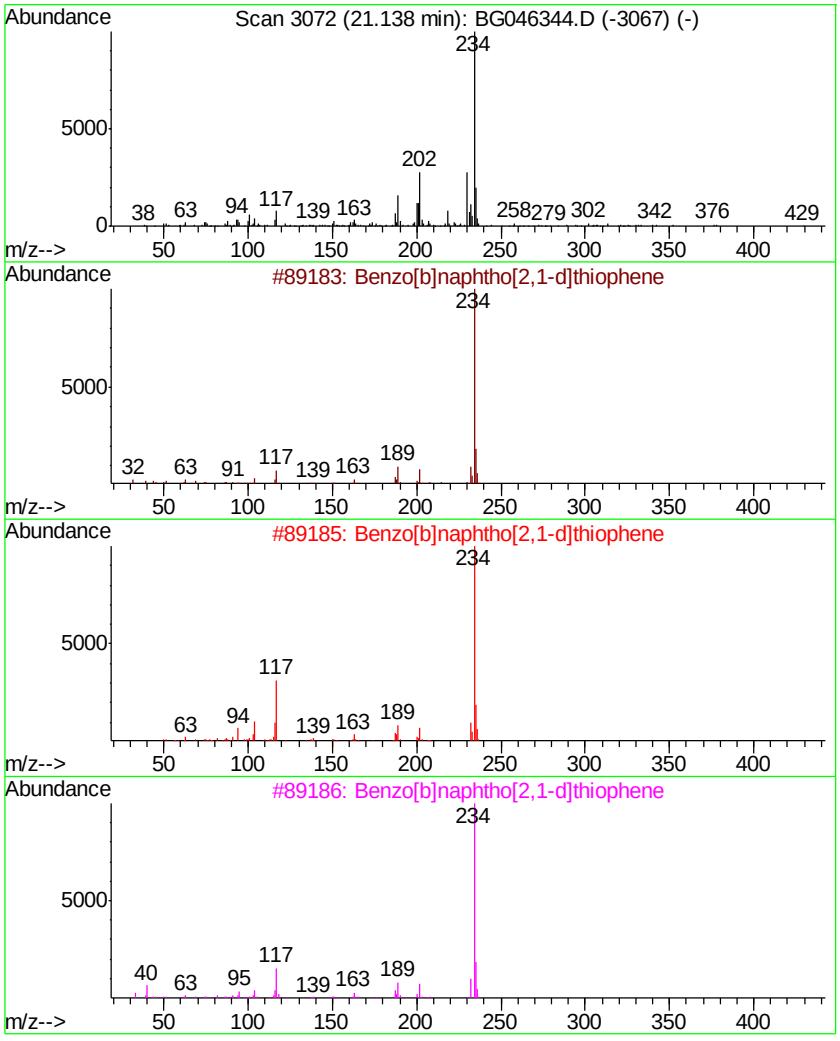
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

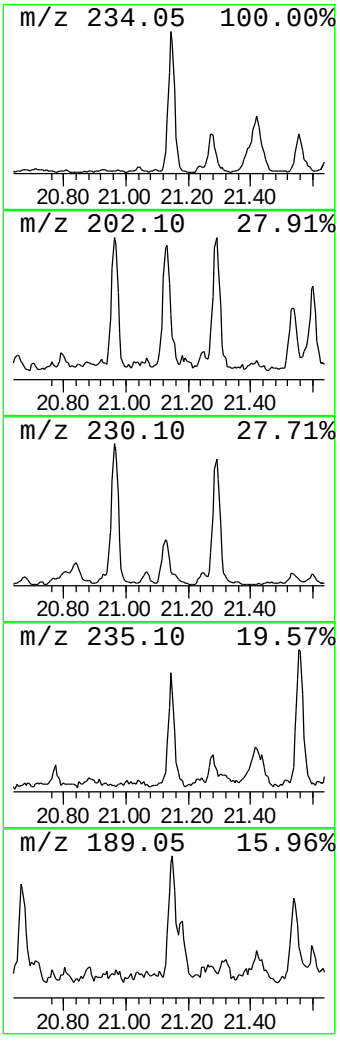
****

Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.10 ng/ul	245283	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90





Library Search Compound Report

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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

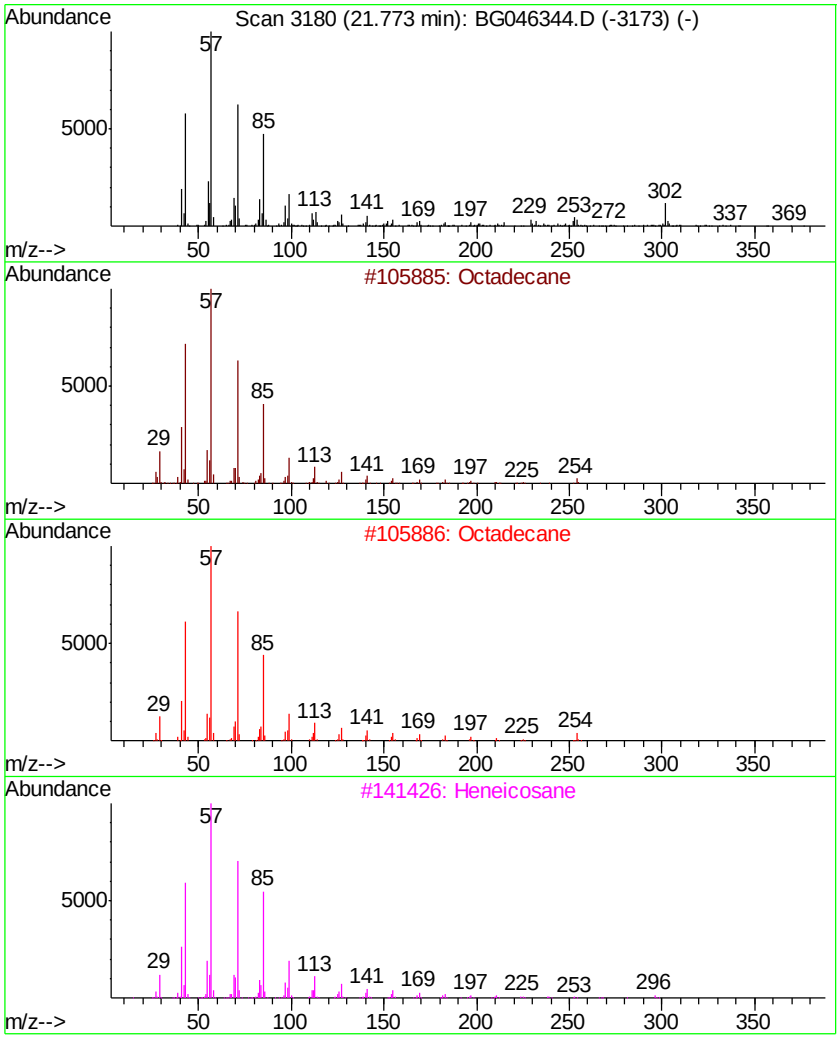
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

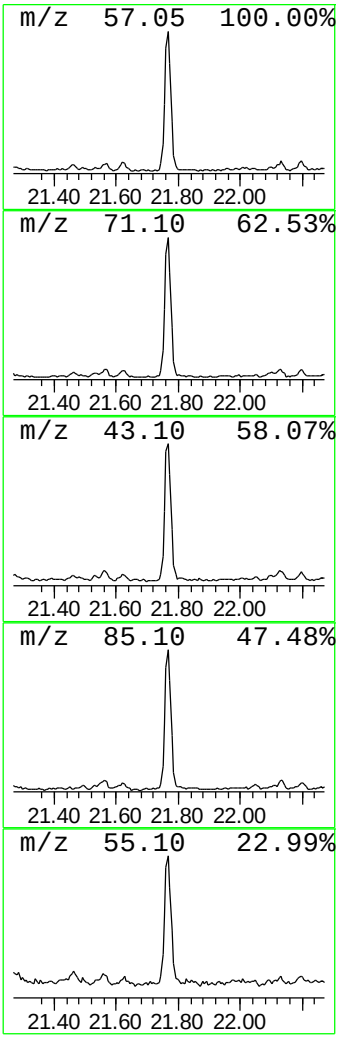
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	4.81 ng/ul	561084	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	98
2	Octadecane	254	C18H38	000593-45-3	92
3	Heneicosane	296	C21H44	000629-94-7	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Hexacosane	366	C26H54	000630-01-3	87





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Sample : L3633-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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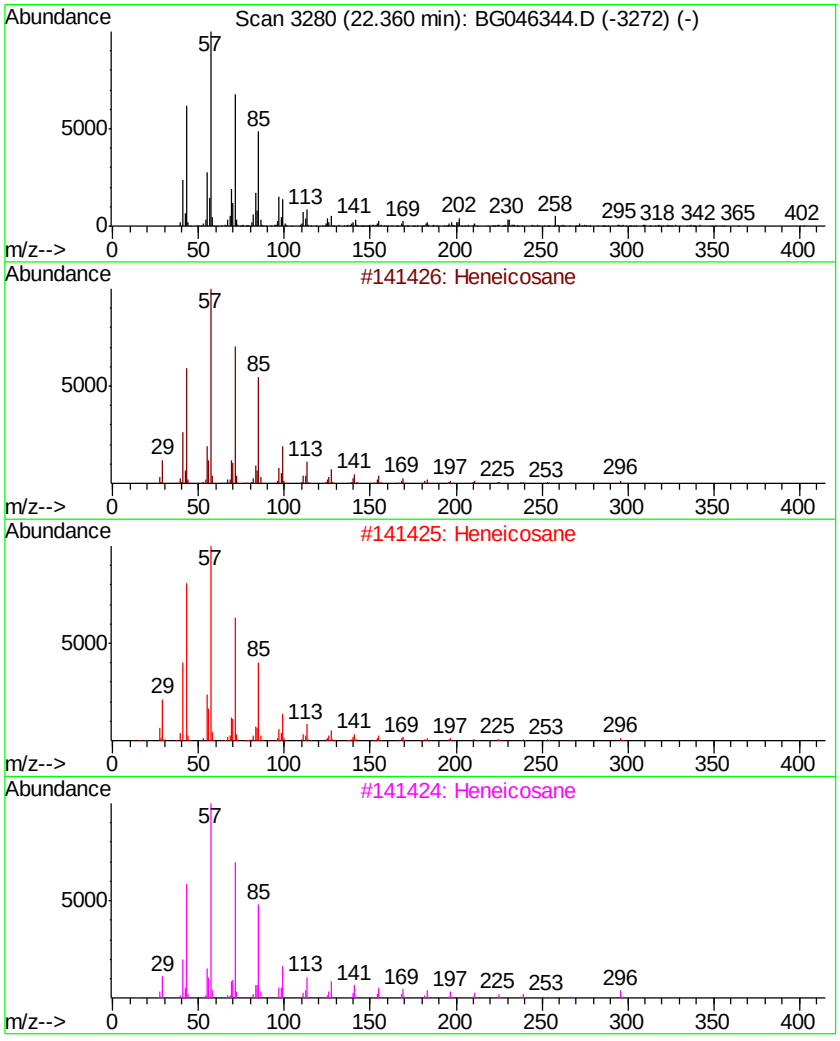
Quant Title : SVOA CALIBRATION

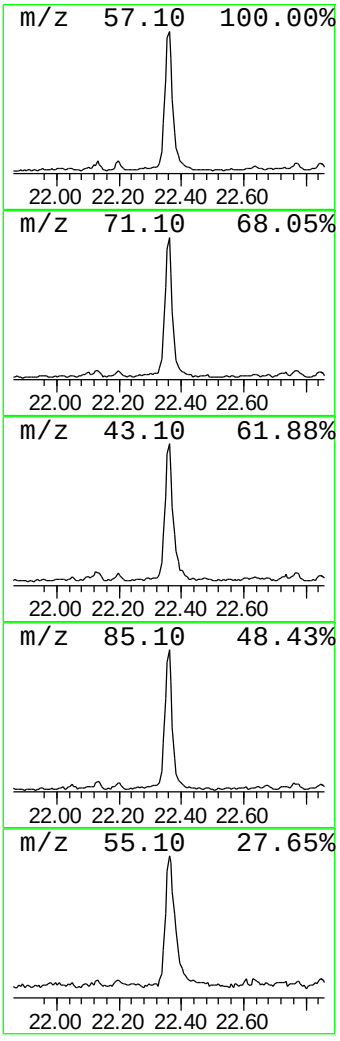
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	7.04 ng/ul	821143	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Heneicosane	296	C21H44	000629-94-7	95
3	Heneicosane	296	C21H44	000629-94-7	93
4	Tetracosane	338	C24H50	000646-31-1	93
5	Tricosane	324	C23H48	000638-67-5	92





Library Search Compound Report

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Sample : L3633-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFME5

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Quant Title : SVOA CALIBRATION

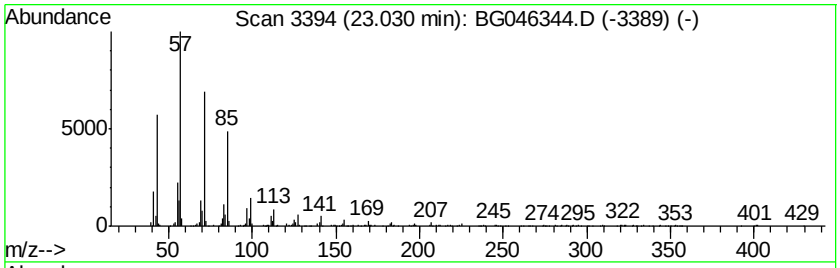
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

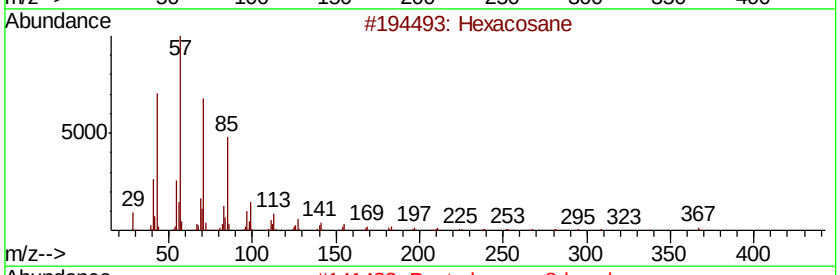
****

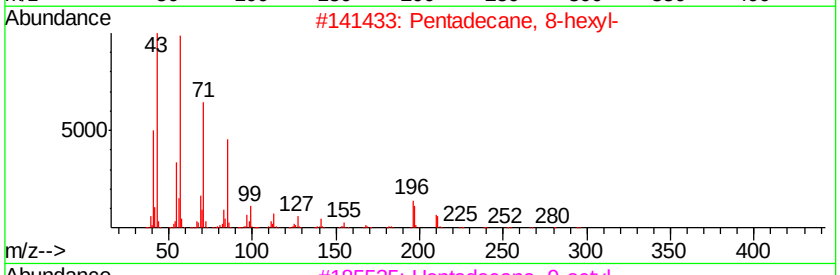
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 27

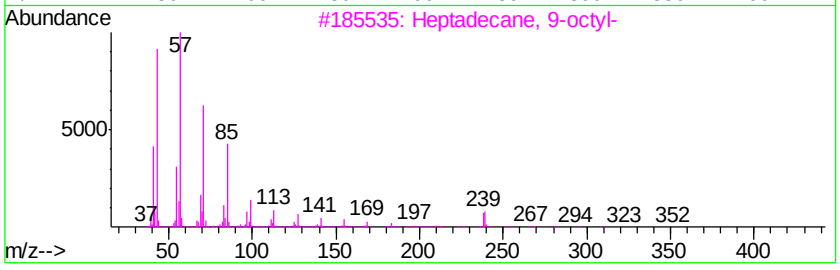
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	3.92 ng/ul	456711	Chrysene-d12	21.56

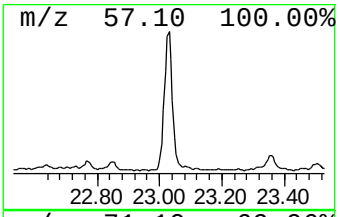
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heneicosane	296	C21H44	000629-94-7	91

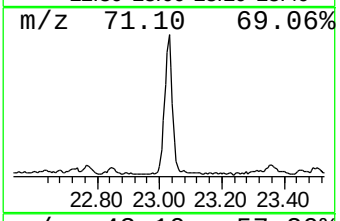


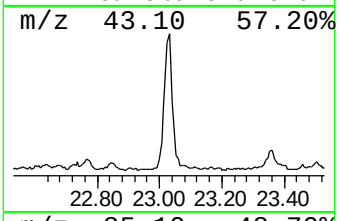


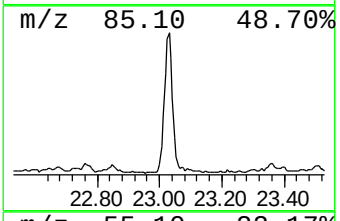


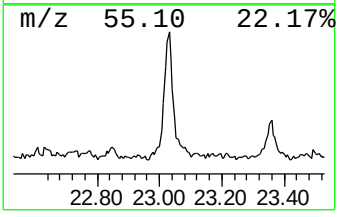












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Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

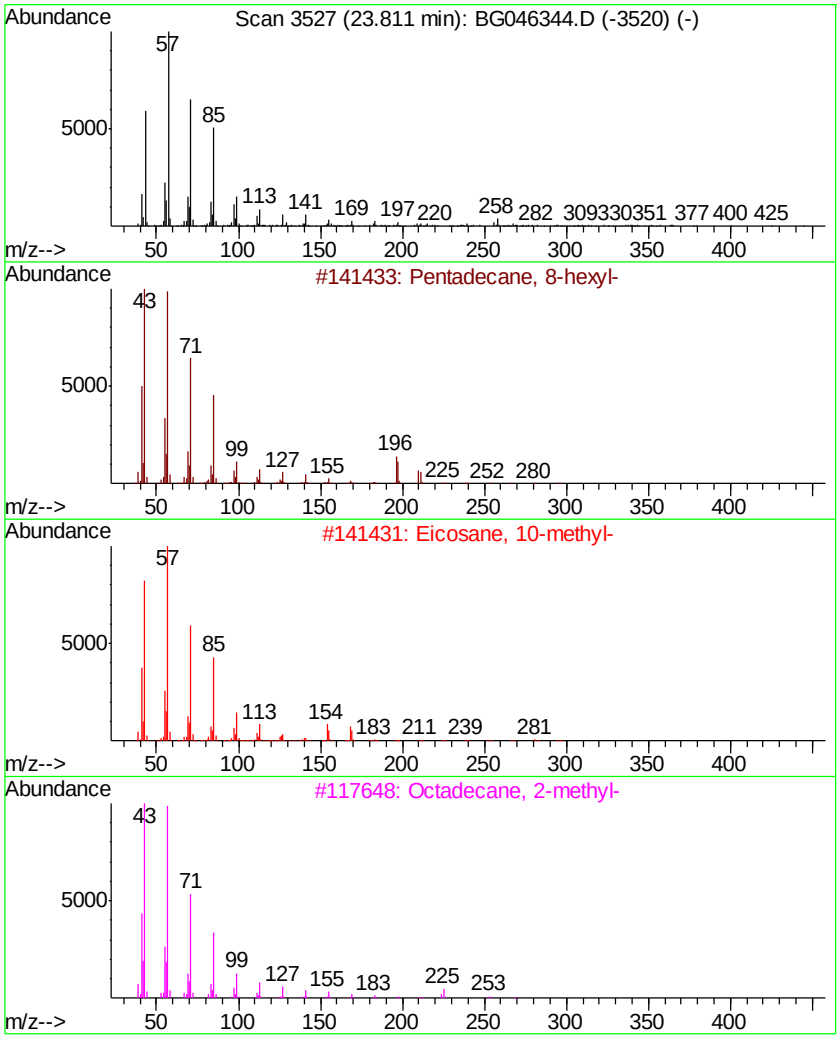
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

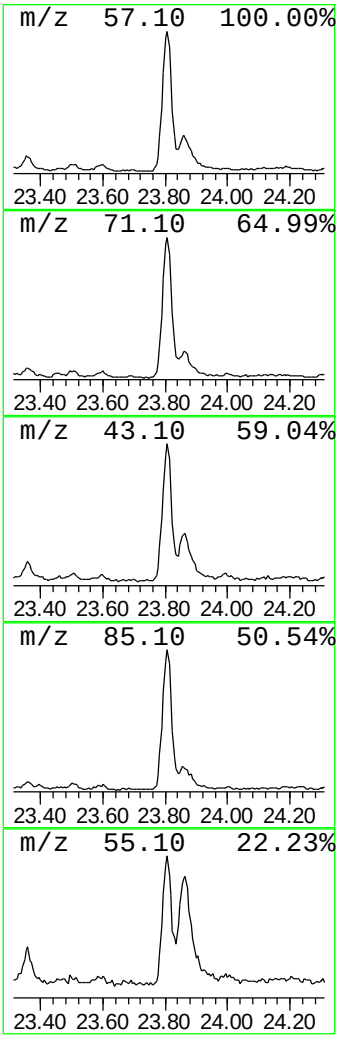
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	9.31 ng/ul	532404	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
4	Docosane	310	C22H46	000629-97-0	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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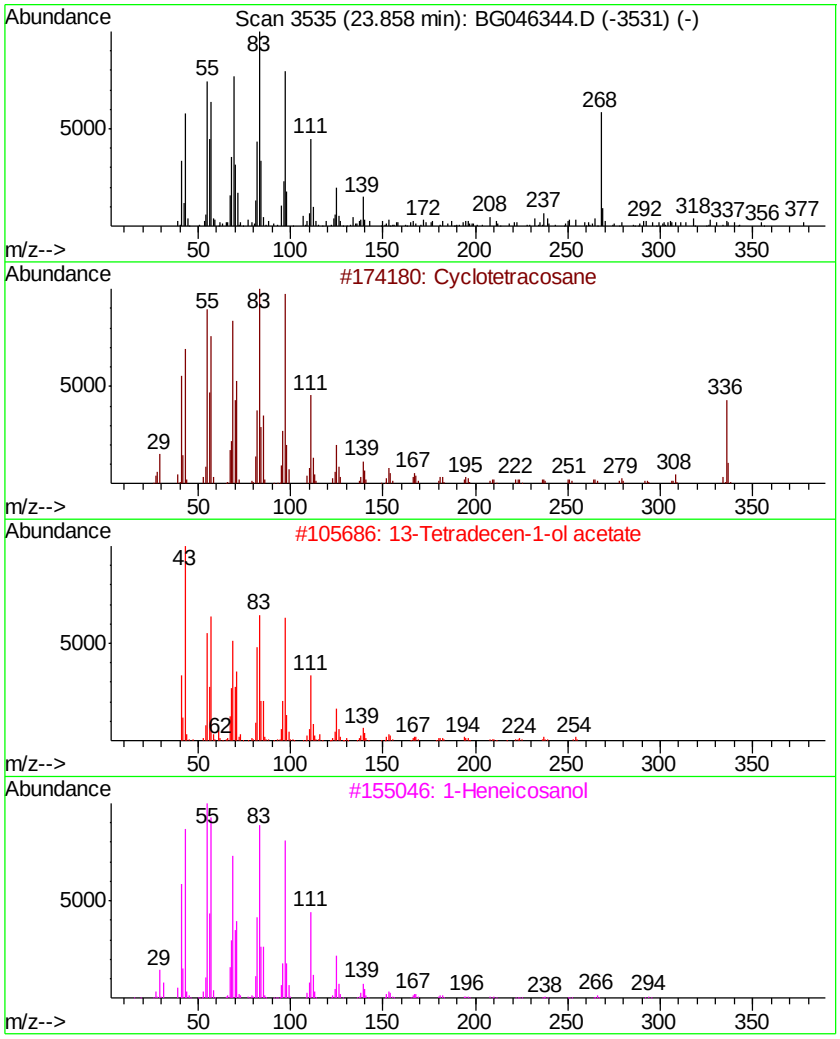
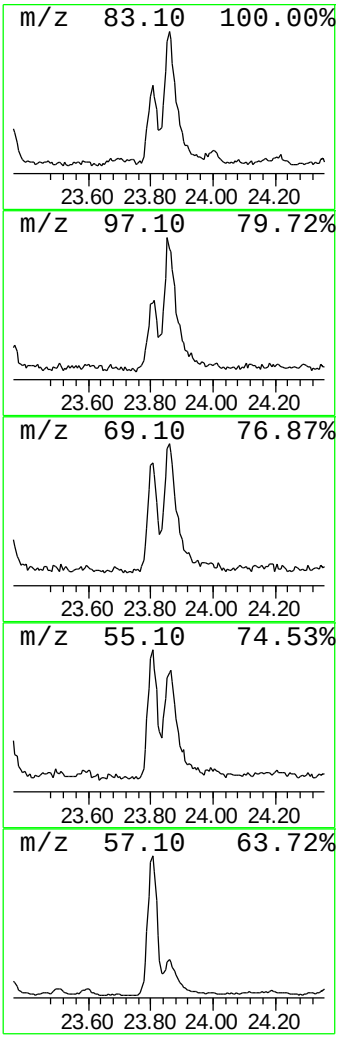
Peak Number 38 (DEL) Alkane: Cyclic23.86 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	4.19 ng/ul	239477	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	94
2	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
3	1-Heneicosanol	312	C21H44O	015594-90-8	86
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	83
5	Behenic alcohol	326	C22H46O	000661-19-8	83





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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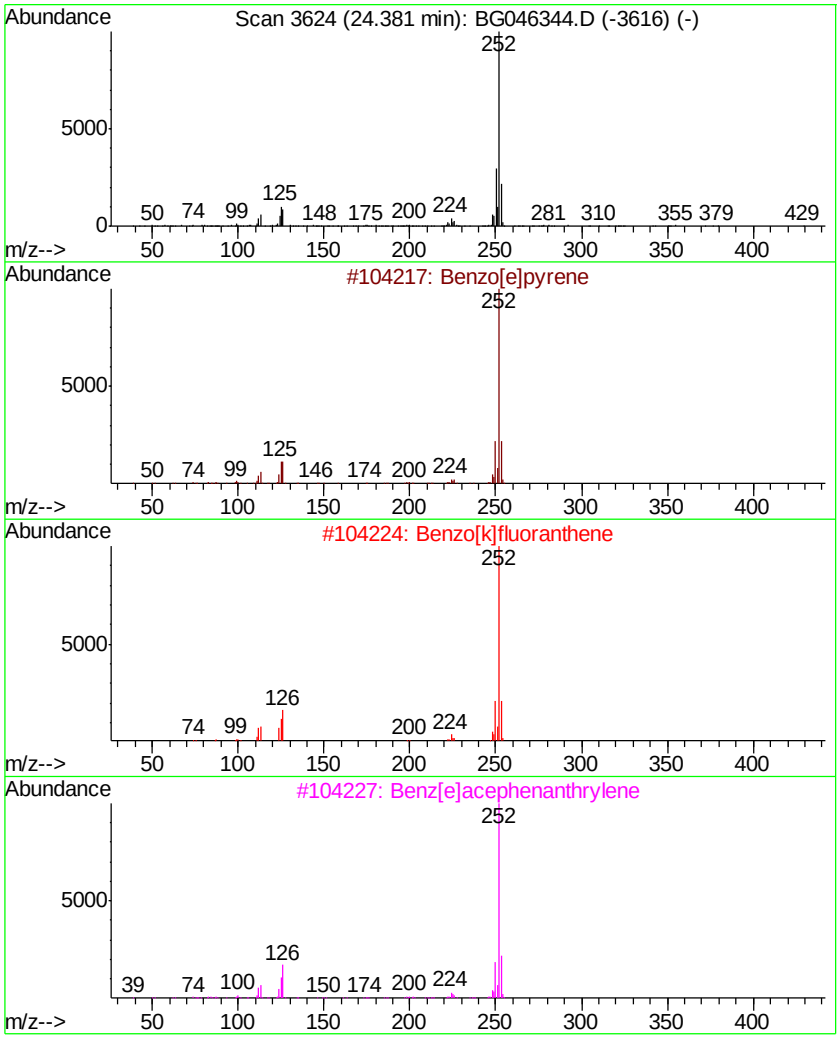
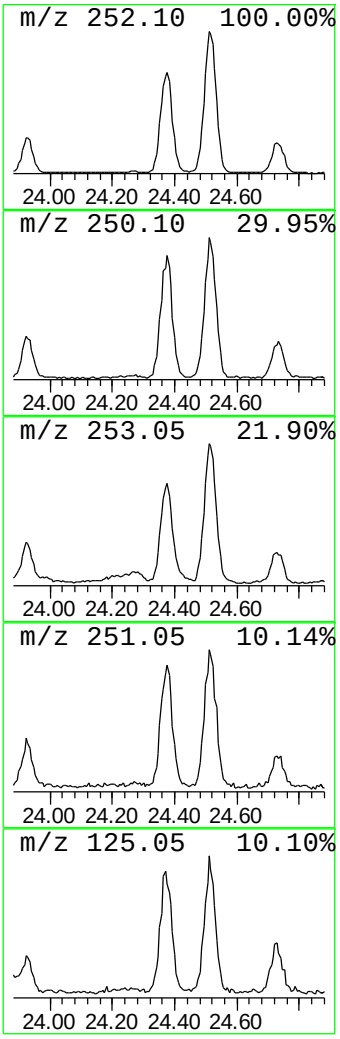
Peak Number 39 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	8.09 ng/ul	462830	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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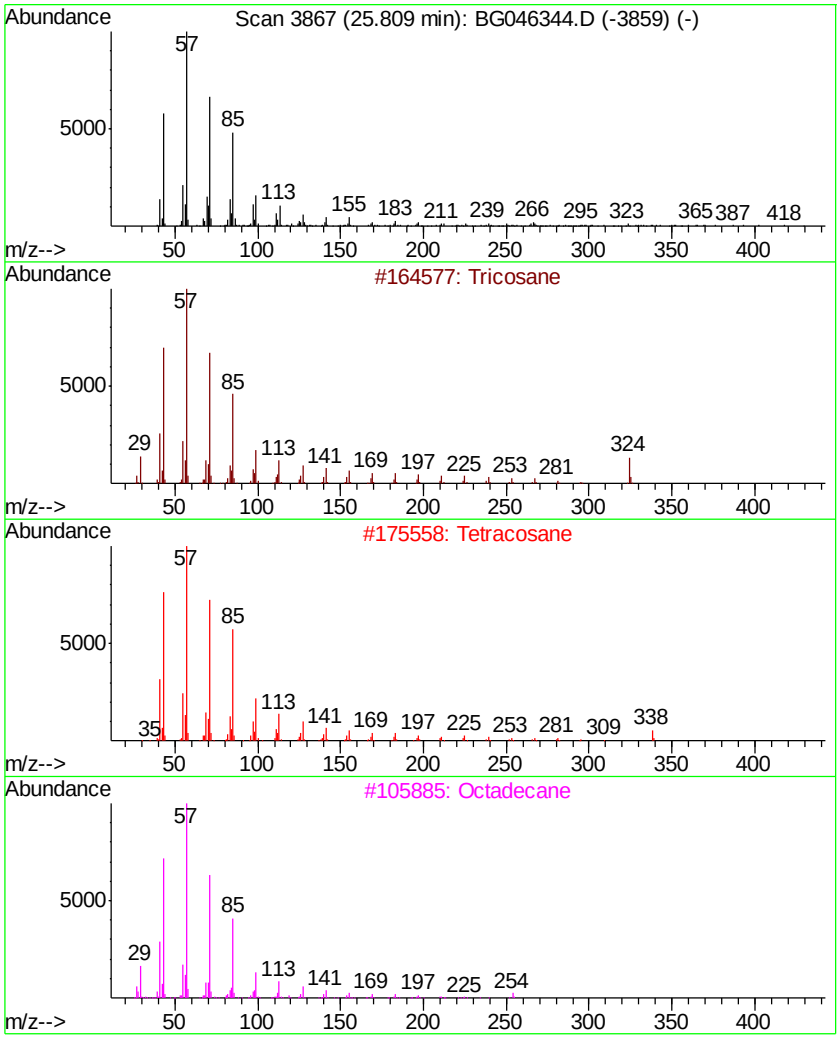
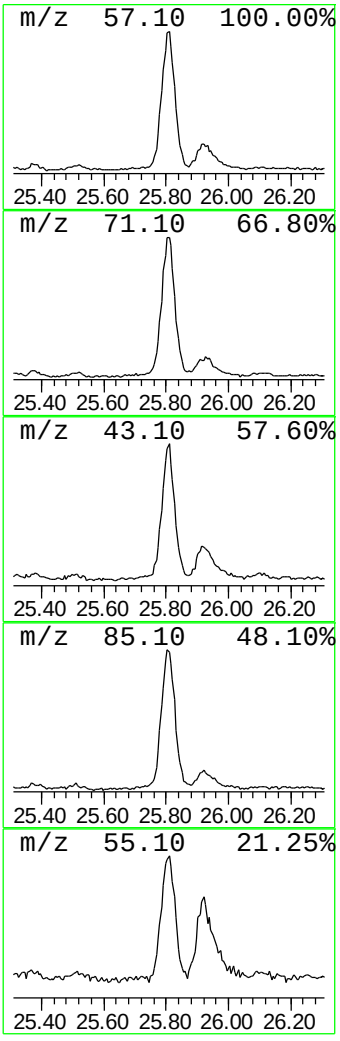
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	10.85 ng/ul	620353	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	95
2	Tetracosane	338	C24H50	000646-31-1	93
3	Octadecane	254	C18H38	000593-45-3	93
4	Eicosane	282	C20H42	000112-95-8	93
5	Hexacosane	366	C26H54	000630-01-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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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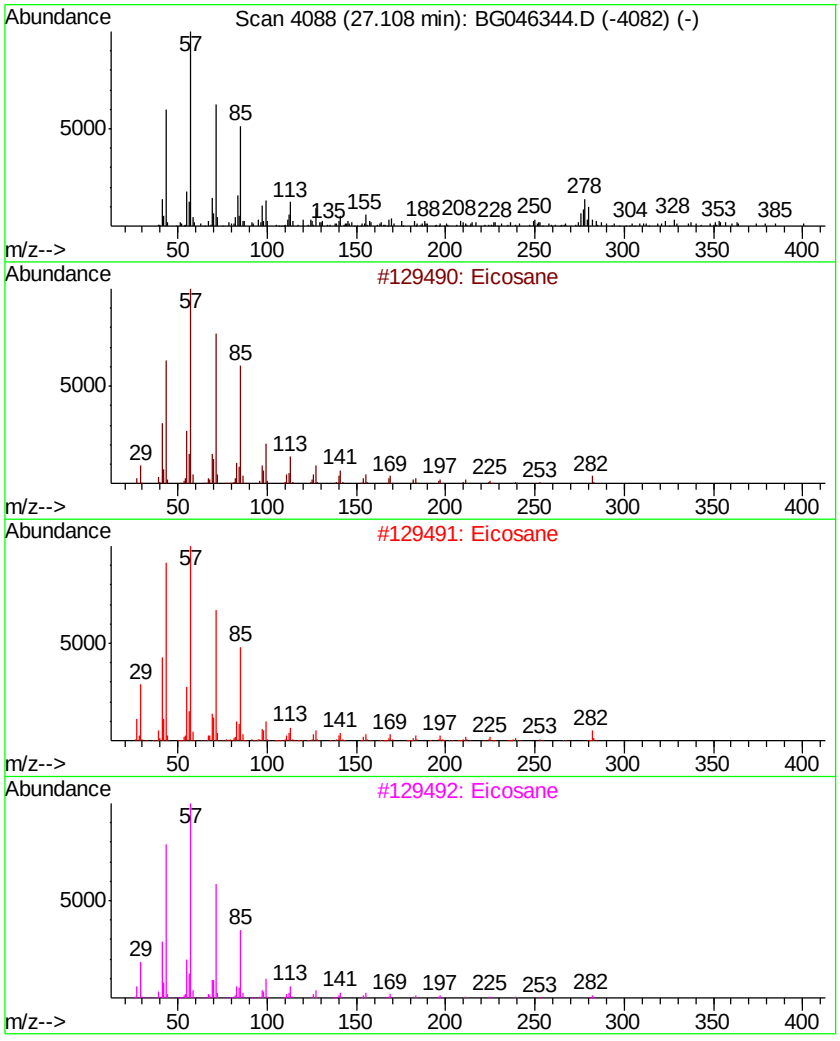
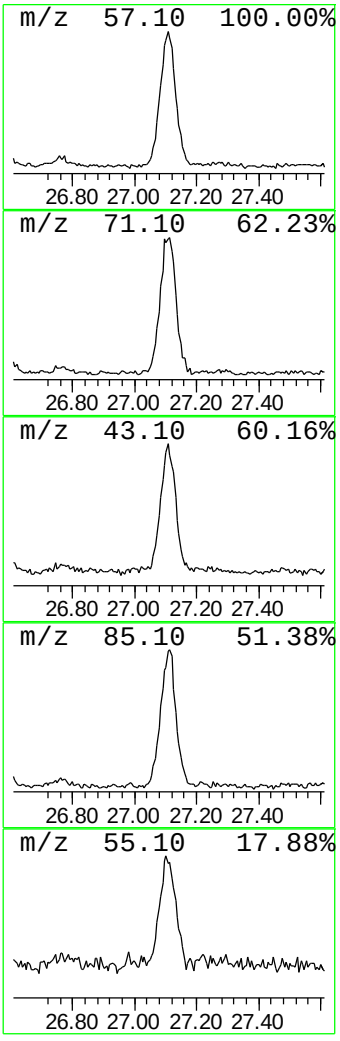
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.11	5.28 ng/ul	302180	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Eicosane	282	C20H42	000112-95-8	78
3	Eicosane	282	C20H42	000112-95-8	78
4	Eicosane	282	C20H42	000112-95-8	60
5	Pentadecane	212	C15H32	000629-62-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081920\
Data File : BG046344.D
Acq On : 19 Aug 2020 12:45
Operator : CG/JU
Sample : L3633-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFME5

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	87.3	ng/ul	1733640	1	7.94	396928	20.0
4H-Imidazol-4-one...	7.11	14.3	ng/ul	283752	1	7.94	396928	20.0
unknown-01	7.27	11.4	ng/ul	227063	1	7.94	396928	20.0
unknown-02	7.47	14.4	ng/ul	285722	1	7.94	396928	20.0
unknown-03	8.64	18.4	ng/ul	364769	1	7.94	396928	20.0
1H-Imidazole, 4-m...	9.09	14.4	ng/ul	286578	1	7.94	396928	20.0
unknown-04	9.82	8.1	ng/ul	243665	2	10.73	605568	20.0
unknown-05	10.87	9.9	ng/ul	299234	2	10.73	605568	20.0
2,4,7,9-Tetrameth...	13.47	2.6	ng/ul	116034	3	14.56	899127	20.0
unknown-06	13.97	15.5	ng/ul	696788	3	14.56	899127	20.0
Dimethyl phthalate	14.02	4.6	ng/ul	208123	3	14.56	899127	20.0
unknown-07	14.76	4.8	ng/ul	217865	3	14.56	899127	20.0
Dibenzofuran	14.96	2.3	ng/ul	102946	3	14.56	899127	20.0
unknown-08	15.67	5.0	ng/ul	225604	3	14.56	899127	20.0
9H-Fluoren-9-one	16.96	2.8	ng/ul	154077	4	17.31	1111440	20.0
5H-Indeno[1,2-b]p...	17.71	3.5	ng/ul	192214	4	17.31	1111440	20.0
Phenanthrene, 2-m...	18.18	4.9	ng/ul	273131	4	17.31	1111440	20.0
Anthracene, 2-met...	18.23	9.5	ng/ul	526425	4	17.31	1111440	20.0
4H-Cyclopenta[def...	18.38	6.5	ng/ul	358612	4	17.31	1111440	20.0
Anthracene, 1-met...	18.42	2.9	ng/ul	158272	4	17.31	1111440	20.0
Naphthalene, 2-ph...	18.68	3.4	ng/ul	189382	4	17.31	1111440	20.0
9,10-Anthracenedione	18.72	4.2	ng/ul	233335	4	17.31	1111440	20.0
Phenanthrene, 2,5...	19.10	4.4	ng/ul	242991	4	17.31	1111440	20.0
(DEL) Alkane: Str...	19.14	2.2	ng/ul	122960	4	17.31	1111440	20.0
Cyclopenta(def)ph...	19.23	3.7	ng/ul	206623	4	17.31	1111440	20.0
Pyrene, 1-methyl-	20.06	2.9	ng/ul	342684	5	21.56	2331630	20.0
11H-Benzo[b]fluorene	20.21	2.0	ng/ul	237199	5	21.56	2331630	20.0
Pyrene, 2-methyl-	20.37	2.2	ng/ul	256387	5	21.56	2331630	20.0
(DEL) Alkane: Str...	20.74	2.5	ng/ul	289569	5	21.56	2331630	20.0
11H-Benzo[a]fluor...	20.96	2.4	ng/ul	275953	5	21.56	2331630	20.0
Benzo[b]naphtho[2...	21.14	2.1	ng/ul	245283	5	21.56	2331630	20.0
(DEL) Alkane: Str...	21.77	4.8	ng/ul	561084	5	21.56	2331630	20.0
(DEL) Alkane: Str...	22.36	7.0	ng/ul	821143	5	21.56	2331630	20.0
(DEL) Alkane: Str...	23.03	3.9	ng/ul	456711	5	21.56	2331630	20.0
(DEL) Alkane: Str...	23.81	9.3	ng/ul	532404	6	24.66	1143700	20.0
(DEL) Alkane: Cyc...	23.86	4.2	ng/ul	239477	6	24.66	1143700	20.0
Benzo[e]pyrene	24.38	8.1	ng/ul	462830	6	24.66	1143700	20.0
(DEL) Alkane: Str...	25.81	10.9	ng/ul	620353	6	24.66	1143700	20.0
(DEL) Alkane: Str...	27.11	5.3	ng/ul	302180	6	24.66	1143700	20.0