LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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	28	rVB	1085879	1803150	80.94%	6.930%
2	4.051	159	164	172	rVB	11317	20721	0.93%	0.080%
3	5.050	330	334	341	rVB2	8172	12805	0.57%	0.049%
4	7.106	677	684	696	rBV2	58703	121653	5.46%	0.468%
5	7.265	705	711	726	rBV	56203	100547	4.51%	0.386%
6	7.476	740	747	755	rBV	66528	116740	5.24%	0.449%
7	7.940	819	826	836	rBV	269382	447430	20.09%	1.720%
8	8.646	940	946	953	rBV	72912	129409	5.81%	0.497%
9	9.092	1016	1022	1031	rBV	66475	117098	5.26%	0.450%
10	9.815	1138	1145	1153	rBV2	51594	93132	4.18%	0.358%
11	10.361	1231	1238	1247	rBV	77073	141486	6.35%	0.544%
12	10.737	1293	1302	1307	rBV	374376	673684	30.24%	2.589%
13	10.784	1307	1310	1317	rVV	57851	92020	4.13%	0.354%
14	10.866	1317	1324	1337	rVB	61201	120507	5.41%	0.463%
15	12.394	1578	1584	1591	rBV	23816	39153	1.76%	0.150%
16	12.611	1616	1621	1627	rBV2	18372	31043	1.39%	0.119%
17	13.405	1748	1756	1763	rBV3	11184	18901	0.85%	0.073%
18	13.751	1806	1815	1820	rBV3	7362	17553	0.79%	0.067%
19	13.892	1833	1839	1843	rBV3	15480	26469	1.19%	0.102%
20	13.969	1843	1852	1856	rVV	175415	266921	11.98%	1.026%
21	14.016	1856	1860	1868	rVV	95217	136969	6.15%	0.526%
22	14.257	1893	1901	1916	rBV2	180494	361688	16.24%	1.390%
23	14.568	1943	1954	1961	rVV	627212	978843	43.94%	3.762%
24	14.633	1961	1965	1972	rVV2	12042	19135	0.86%	0.074%
25	14.768	1983	1988	1998	rBV4	17464	43755	1.96%	0.168%
26	14.968	2016	2022	2031	rVB	61176	99729	4.48%	0.383%
27	15.561	2115	2123	2128	rVV	268264	410494	18.43%	1.578%
28	15.614	2128	2132	2138	rVV2	54528	85356	3.83%	0.328%
29	15.673	2138	2142	2149	rVV	35508	57393	2.58%	0.221%
30	15.908	2177	2182	2189	rVB2	27384	42651	1.91%	0.164%
31	16.054	2202	2207	2215	rVV2	30430	63222	2.84%	0.243%
32	16.148	2217	2223	2228	rVB2	8220	13261	0.60%	0.051%
33	16.290	2242	2247	2250	rBV5	9164	15187	0.68%	0.058%
34	16.619	2299	2303	2308	rVV4	13463	27571	1.24%	0.106%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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	16.848	2336	2342	2345	rVV2	16231	24407	1.10%	0.094%
36	16.889	2345	2349	2352	rVV2	16084	24074	1.08%	0.093%
37	16.959	2356	2361	2370	rVV	111070	171265	7.69%	0.658%
38	17.042	2370	2375	2381	rVV2	19019	36838	1.65%	0.142%
39	17.130	2381	2390	2399	rVB	47045	85621	3.84%	0.329%
40	17.312	2414	2421	2424	rBV	776467	1223845	54.94%	4.703%
41	17.353	2424	2428	2433	rVB	906960	1291727	57.99%	4.964%
42	17.406	2433	2437	2442	rBV	277756	392542	17.62%	1.509%
43	17.500	2449	2453	2460	rVB6	17691	26797	1.20%	0.103%
44	17.623	2471	2474	2479	rVB2	11425	16343	0.73%	0.063%
45	17.705	2479	2488	2494	rBV2	81023	153541	6.89%	0.590%
46	17.829	2505	2509	2514	rVV3	21988	35877	1.61%	0.138%
47	17.888	2514	2519	2529	rVB3	28294	54601	2.45%	0.210%
48	17.993	2533	2537	2540	rVV3	9028	12892	0.58%	0.050%
49	18.105	2552	2556	2560	rVB3	13365	19418	0.87%	0.075%
50	18.187	2565	2570	2574	rVV	105812	168464	7.56%	0.647%
51	18.234	2574	2578	2587	rVB	157608	237761	10.67%	0.914%
52	18.311	2587	2591	2596	rVB2	18401	29342	1.32%	0.113%
53	18.375	2596	2602	2606	rBV2	109611	206090	9.25%	0.792%
54	18.416	2606	2609	2616	rVB	75248	100886	4.53%	0.388%
55	18.499	2617	2623	2624	rBV2	11187	17938	0.81%	0.069%
56	18.528	2626	2628	2632	rVV4	13183	18131	0.81%	0.070%
57	18.569	2632	2635	2640	rVB7	9281	15911	0.71%	0.061%
58	18.687	2649	2655	2657	rBV	97279	150903	6.77%	0.580%
59	18.716	2657	2660	2667	rVB	225194	322171	14.46%	1.238%
60	18.928	2692	2696	2700	rVV2	27521	43508	1.95%	0.167%
61	18.980	2702	2705	2708	rVV	27710	35269	1.58%	0.136%
62	19.022	2708	2712	2716	rVB2	28920	38909	1.75%	0.150%
63	19.104	2720	2726	2730	rVV	79493	133544	5.99%	0.513%
64	19.157	2730	2735	2739	rVV4	29854	72539	3.26%	0.279%
65	19.192	2739	2741	2744	rVV2	28550	34609	1.55%	0.133%
66	19.233	2744	2748	2757	rVB	101237	169677	7.62%	0.652%
67	19.362	2764	2770	2776	rVB	1344702	1789269	80.32%	6.876%
68	19.421	2777	2780	2783	rBV2	23620	30504	1.37%	0.117%
69	19.456	2783	2786	2791	rVB2	33205	46506	2.09%	0.179%
70	19.509	2791	2795	2798	rBV	51088	66095	2.97%	0.254%
71	19.556	2799	2803	2806	rVV2	44438	62547	2.81%	0.240%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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	19.603	2807	2811	2815	rVB	29372	36965	1.66%	0.142%
73	19.691	2820	2826	2828	rVV2	526701	749971	33.67%	2.882%
74	19.721	2828	2831	2838	rVV	955806	1316851	59.11%	5.061%
75	19.797	2839	2844	2851	rVB2	62172	107834	4.84%	0.414%
76	19.897	2858	2861	2866	rBV	67572	95266	4.28%	0.366%
77	19.956	2867	2871	2877	rVB2	48516	83249	3.74%	0.320%
78	20.038	2879	2885	2887	rBV	92561	166939	7.49%	0.642%
79	20.179	2904	2909	2911	rBV2	63655	103106	4.63%	0.396%
80	20.214	2911	2915	2919	rVB	109563	161224	7.24%	0.620%
81	20.314	2928	2932	2935	rBV2	42317	58156	2.61%	0.223%
82	20.373	2936	2942	2946	rVB2	104866	187526	8.42%	0.721%
83	20.455	2952	2956	2960	rBV2	26380	41118	1.85%	0.158%
84	20.508	2962	2965	2969	rVV	48854	64397	2.89%	0.247%
85	20.555	2970	2973	2978	rVB2	47994	68029	3.05%	0.261%
86	20.961	3038	3042	3049	rVB	167674	252815	11.35%	0.972%
87	21.143	3066	3073	3077	rBV2	100515	241373	10.84%	0.928%
88	21.190	3077	3081	3084	rVV	112740	177676	7.98%	0.683%
89	21.231	3084	3088	3094	rVV3	175882	380186	17.07%	1.461%
90	21.290	3094	3098	3108	rVB	166813	308475	13.85%	1.185%
91	21.554	3135	3143	3148	rBV2	1015876	2227646	100.00%	8.561%
92	21.601	3148	3151	3162	rVB	508493	788325	35.39%	3.030%
93	21.948	3206	3210	3217	rBV4	60263	116571	5.23%	0.448%
94	22.341	3272	3277	3285	rBV5	89452	194517	8.73%	0.748%
95	23.681	3497	3505	3513	rBV	365047	1189199	53.38%	4.570%
96	23.810	3522	3527	3531	rBV3	45116	84255	3.78%	0.324%
97	24.374	3616	3623	3629	rBV	148488	376684	16.91%	1.448%
98	24.445	3631	3635	3640	rVV	146554	300828	13.50%	1.156%
99	24.509	3641	3646	3661	rVB	231536	643640	28.89%	2.474%
100	24.662	3663	3672	3679	rBV2	526598	1391998	62.49%	5.350%

Sum of corrected areas: 26020856

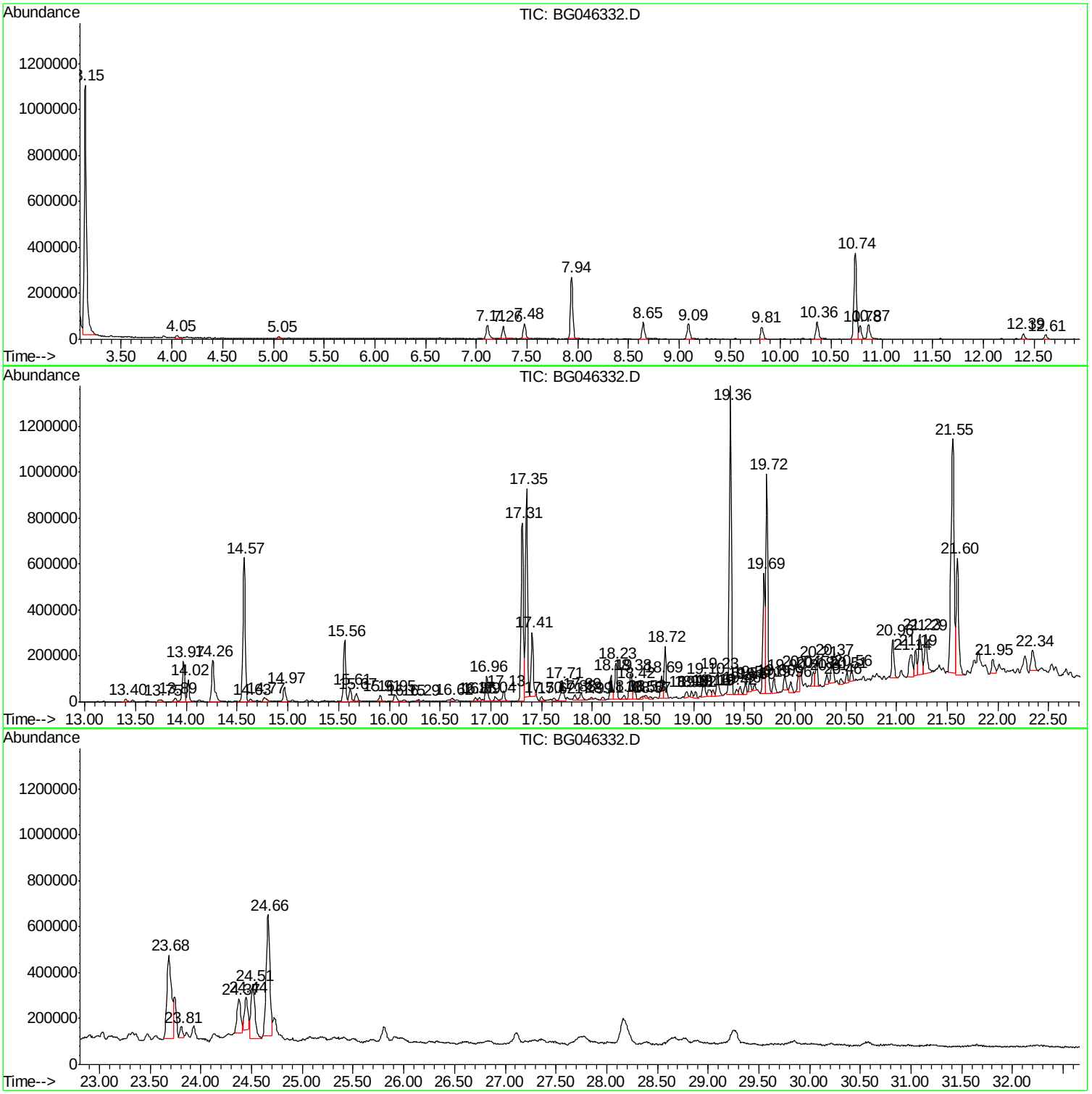
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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 : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

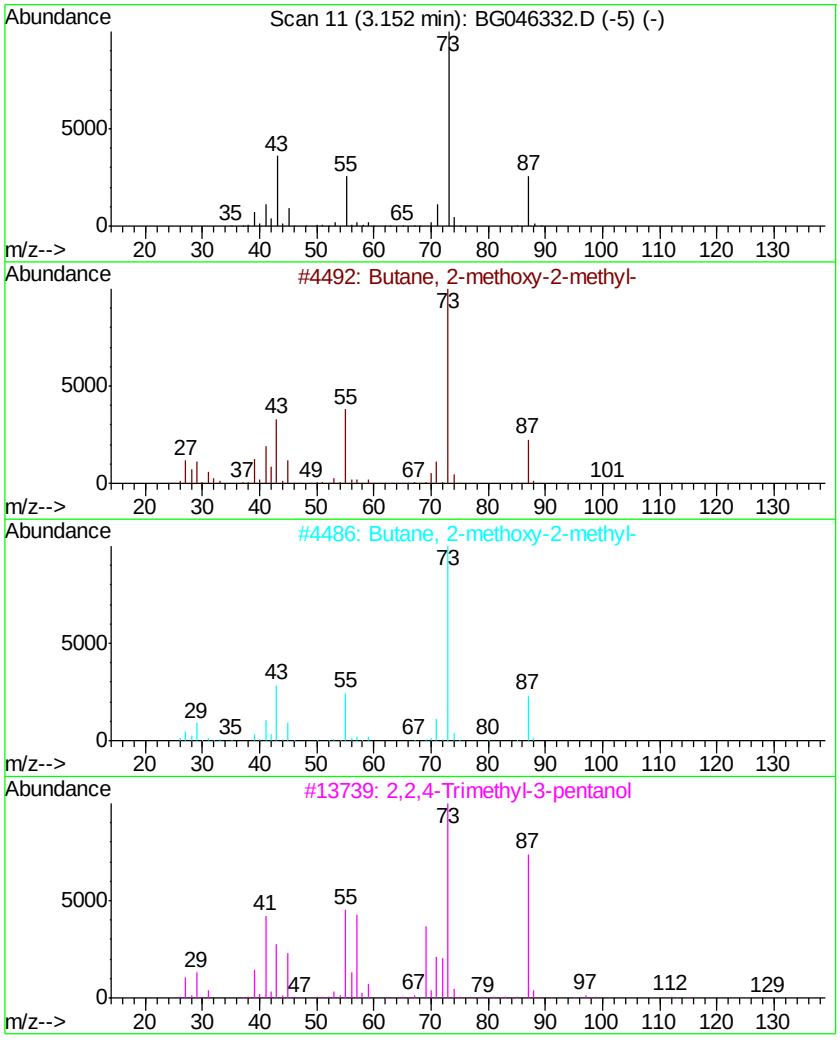
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

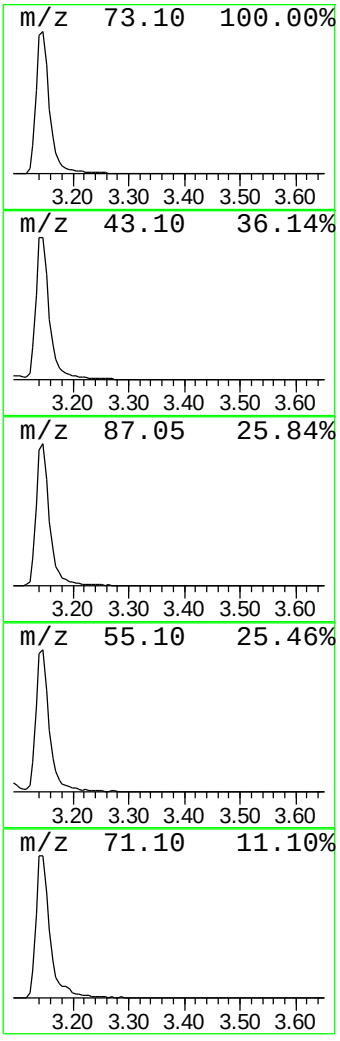
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	80.60 ng/ul	1803150	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

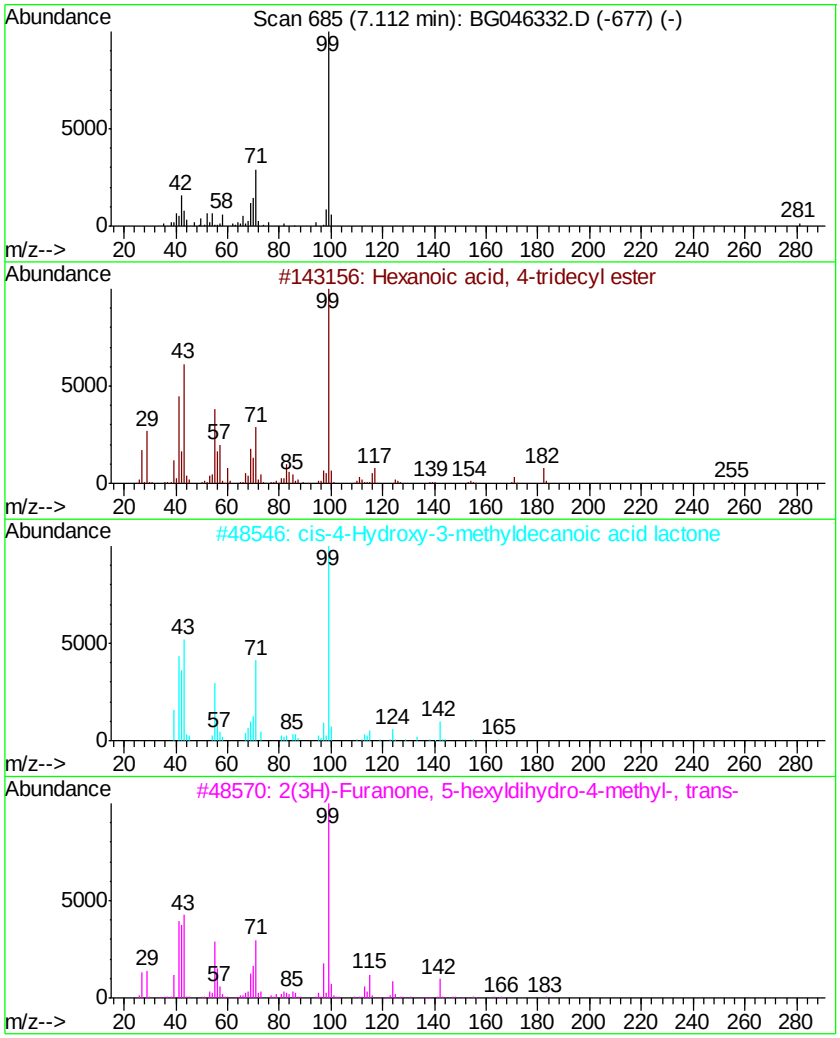
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

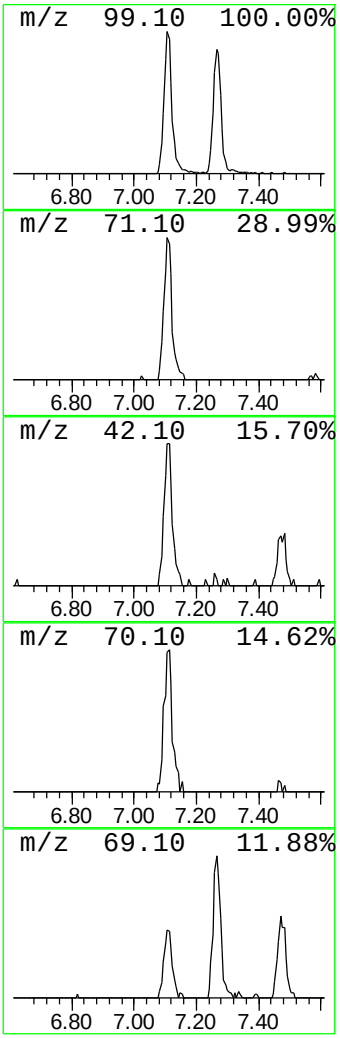
****

Peak Number 2 Hexanoic acid, 4-tridecyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	5.44 ng/ul	121653	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 4-tridecyl ester	298	C19H38O2	1000279-29-3	64
2	cis-4-Hydroxy-3-methyldecanoic a...	184	C11H20O2	147254-32-8	64
3	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56
4	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	121644-12-0	56
5	2H-Pyran-2-one, tetrahydro-6-octyl-	212	C13H24O2	007370-92-5	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

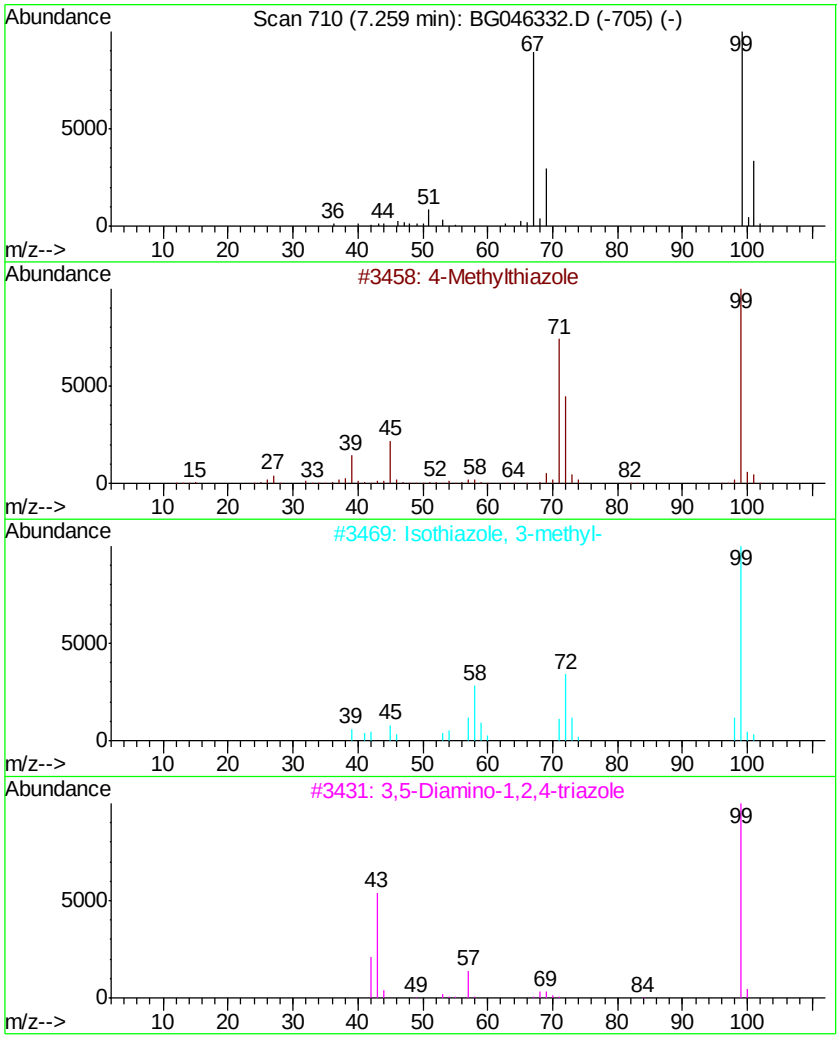
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

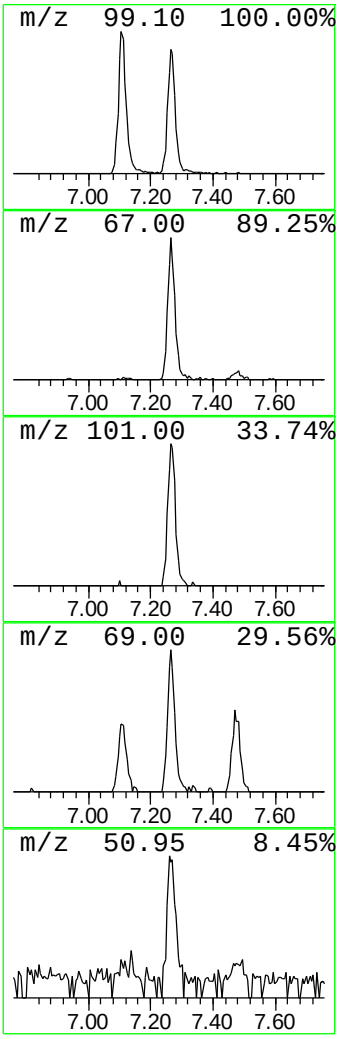
****

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	4.49 ng/ul	100547	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylthiazole	99	C4H5NS	000693-95-8	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	5
5	Succinimide	99	C4H5NO2	000123-56-8	5





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

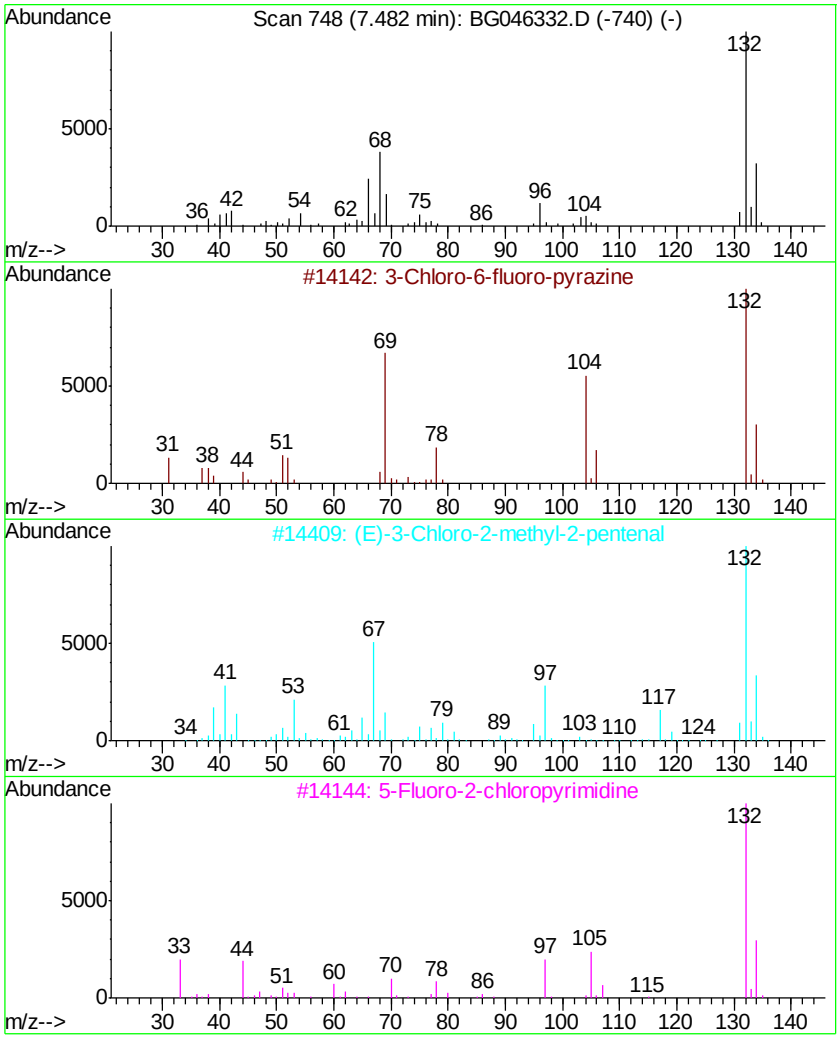
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

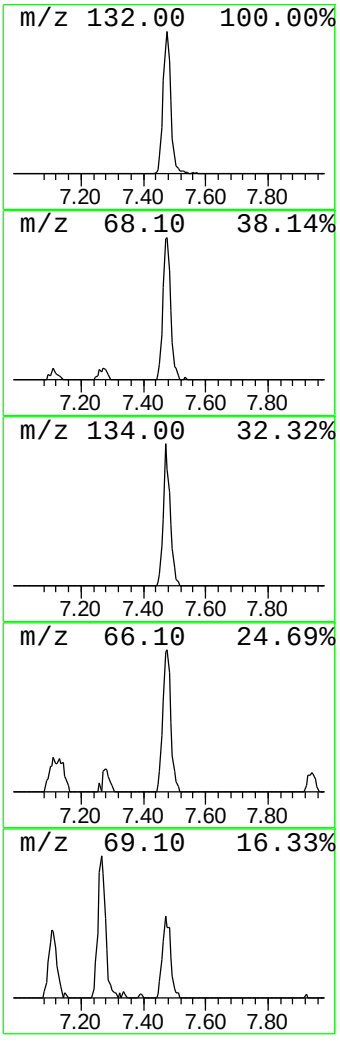
****

Peak Number 4 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	5.22 ng/ul	116740	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

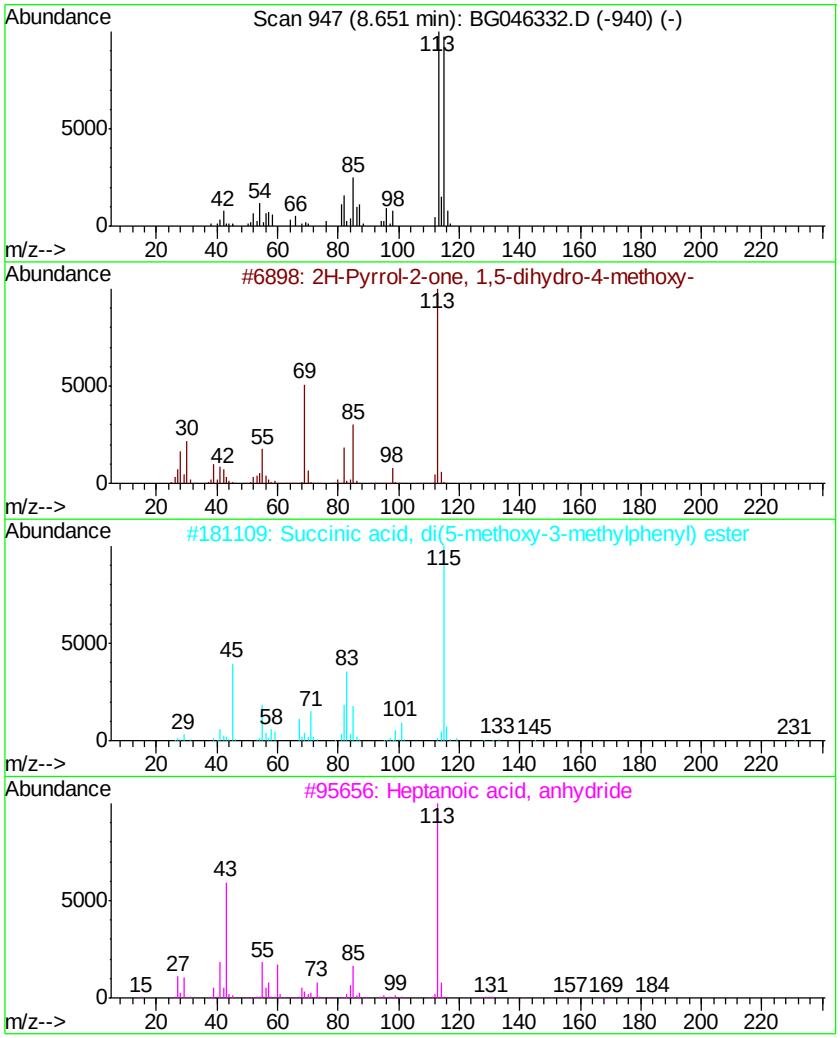
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

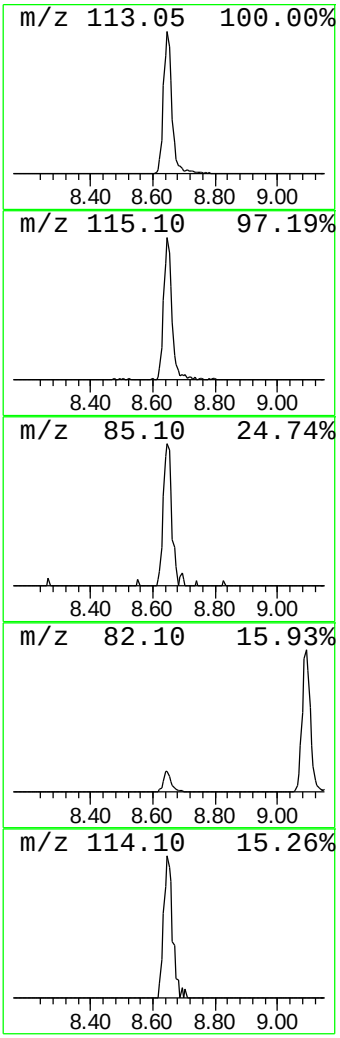
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	5.78 ng/ul	129409	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	38
2	Succinic acid, di(5-methoxy-3-me...	346	C18H34O6	1000330-26-5	32
3	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	25
4	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	23
5	5-Ethylthiazole	113	C5H7NS	017626-73-2	23





Library Search Compound Report

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Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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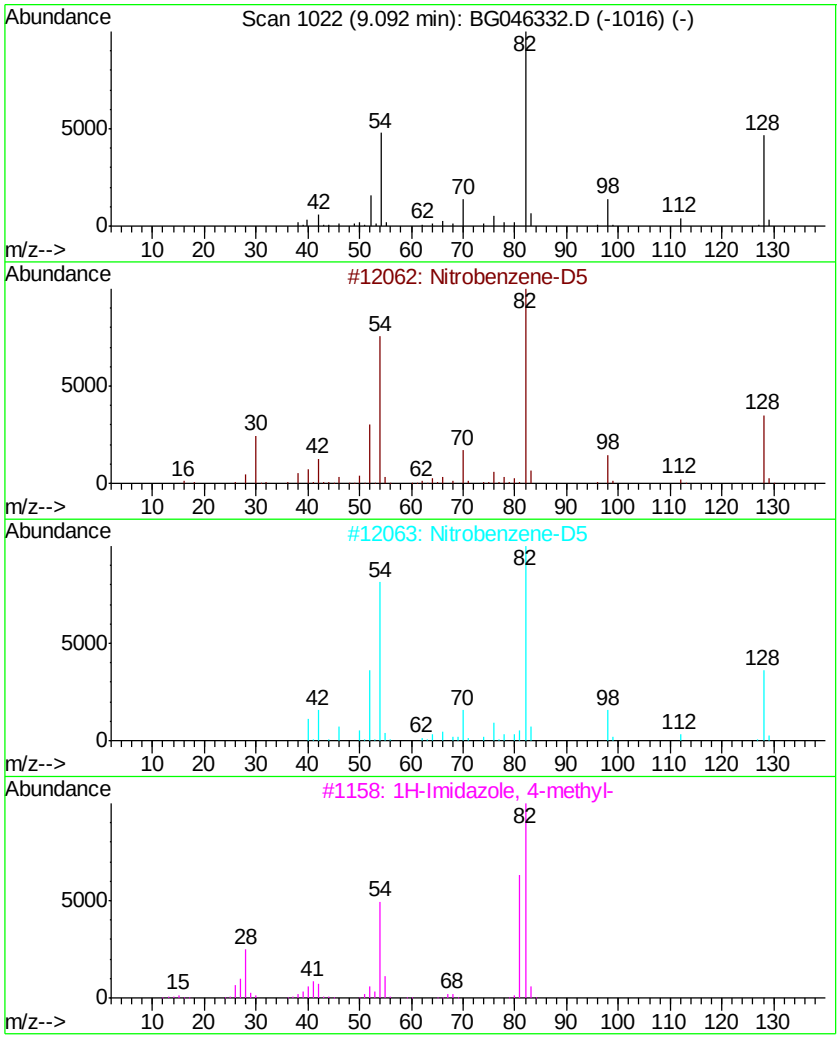
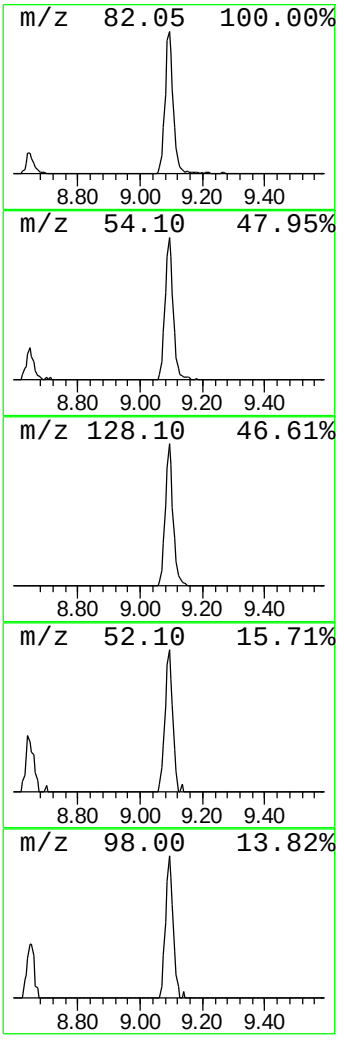
Peak Number 6 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	5.23 ng/ul	117098	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	87
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	74
3	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	47
4	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	47
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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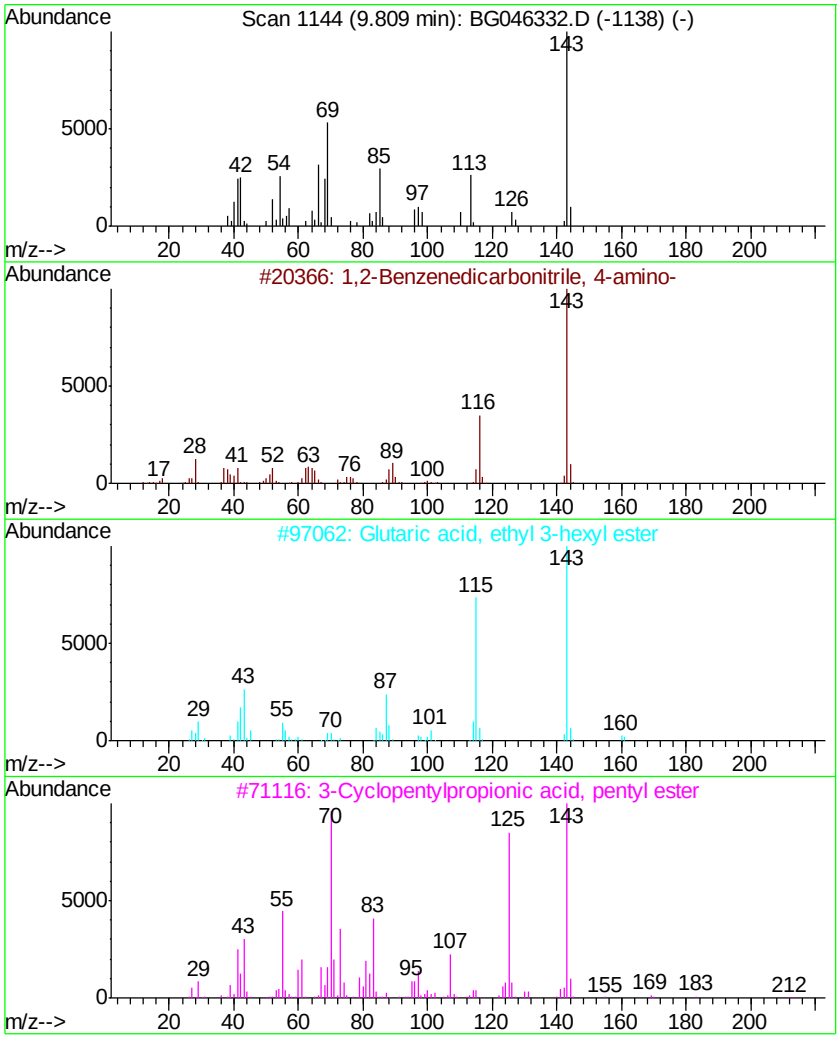
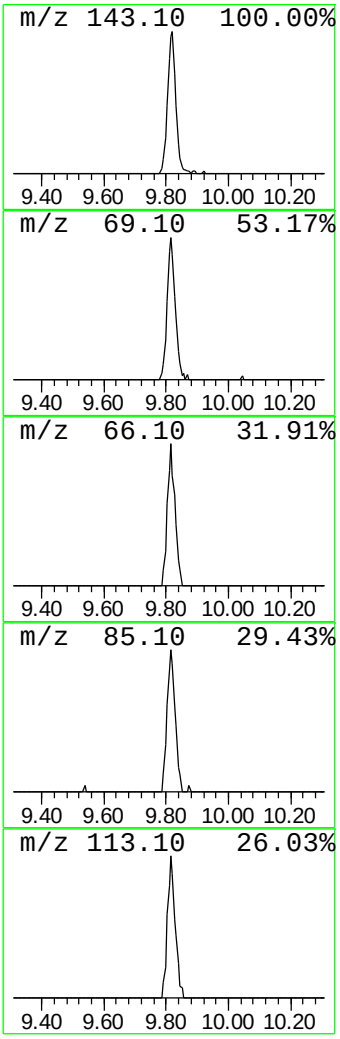
Peak Number 7 unknown-05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	2.76 ng/ul	93132	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
2	Glutaric acid, ethyl 3-hexyl ester	244	C13H24O4	1000359-54-1	12
3	3-Cyclopentylpropionic acid, pen...	212	C13H24O2	1000292-33-2	10
4	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10
5	Glutaric acid, ethyl 3-heptyl ester	258	C14H26O4	1000359-73-0	10





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Sample : L3636-10
Misc :
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Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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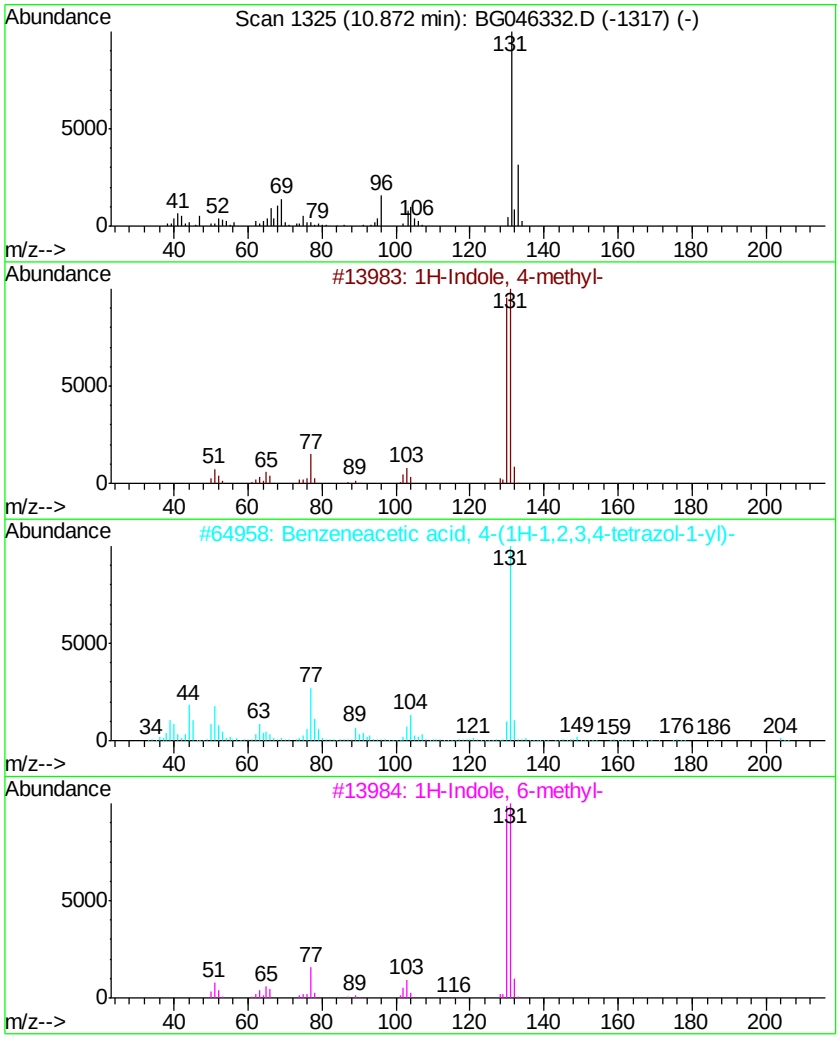
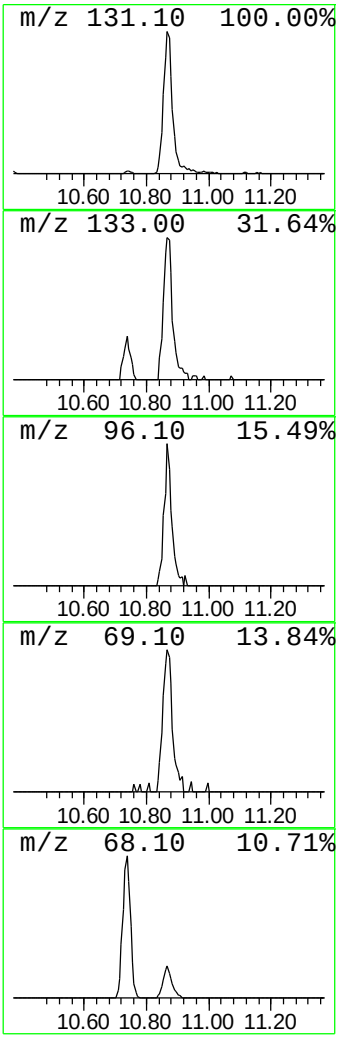
Peak Number 8 unknown-06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	3.58 ng/ul	120507	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	43
2	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
3	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	28
4	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	28
5	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	25





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Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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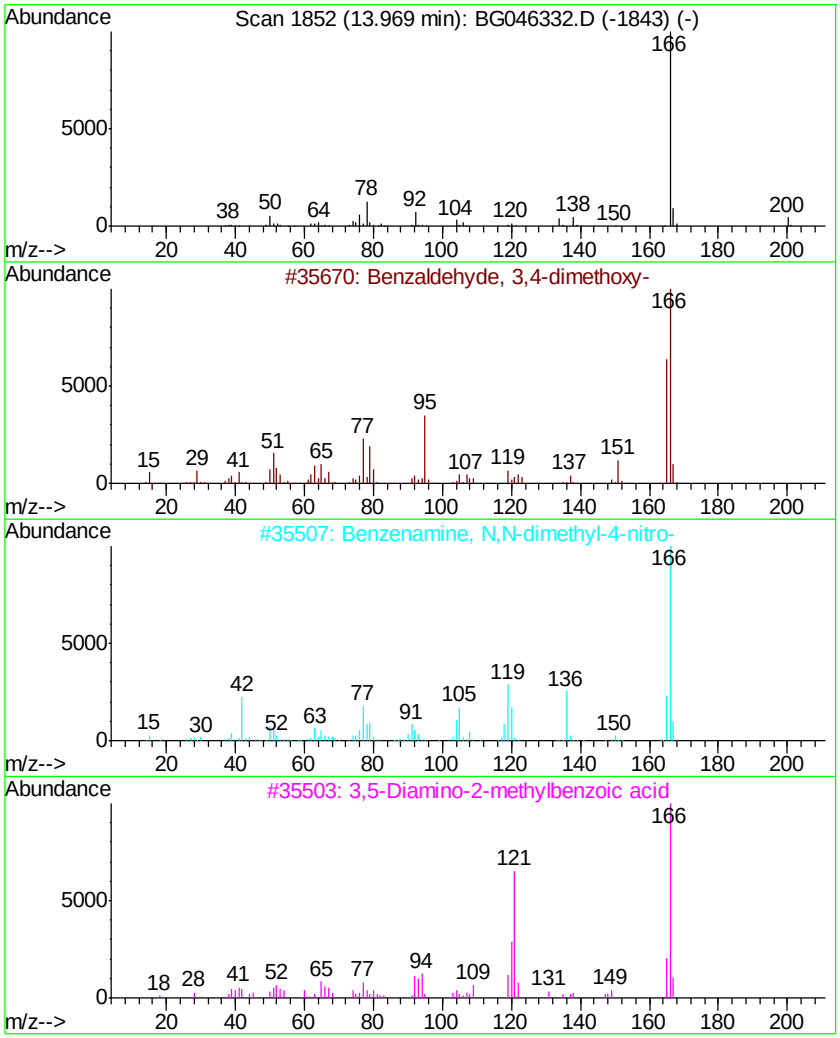
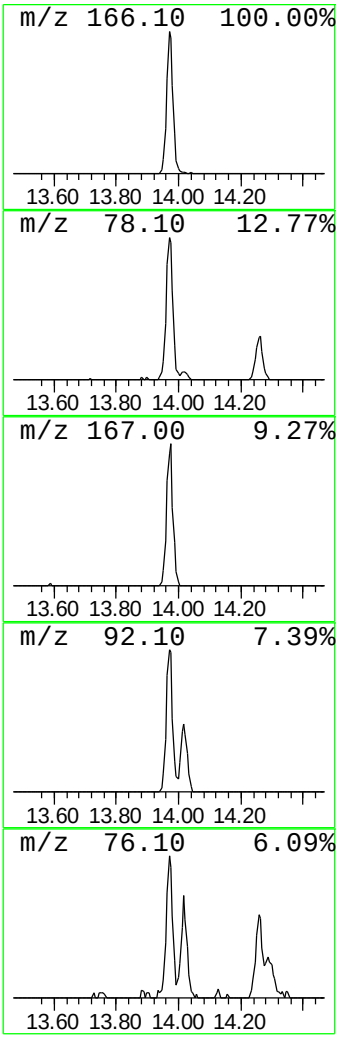
Peak Number 9 unknown-07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	5.45 ng/ul	266921	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	38
2	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
3	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
4	1H-Benzimidazole, 5-chloro-2-met...	166	C8H7ClN2	002818-69-1	9
5	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9





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Sample : L3636-10
Misc :
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Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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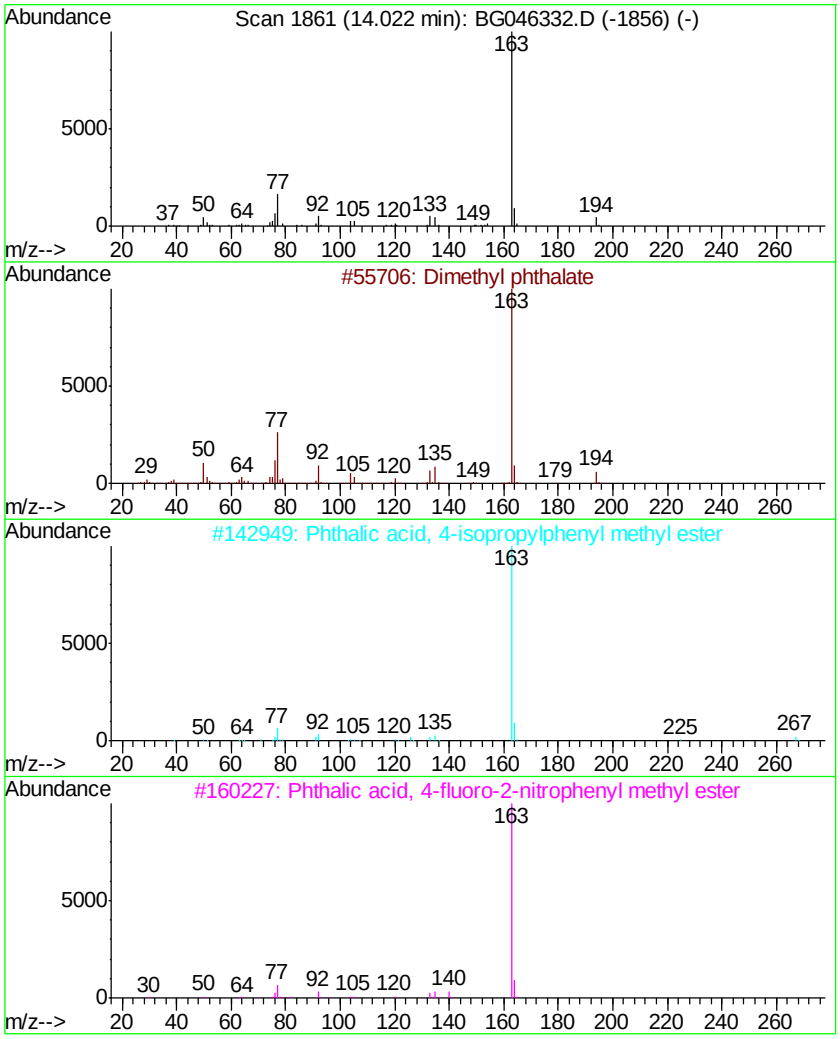
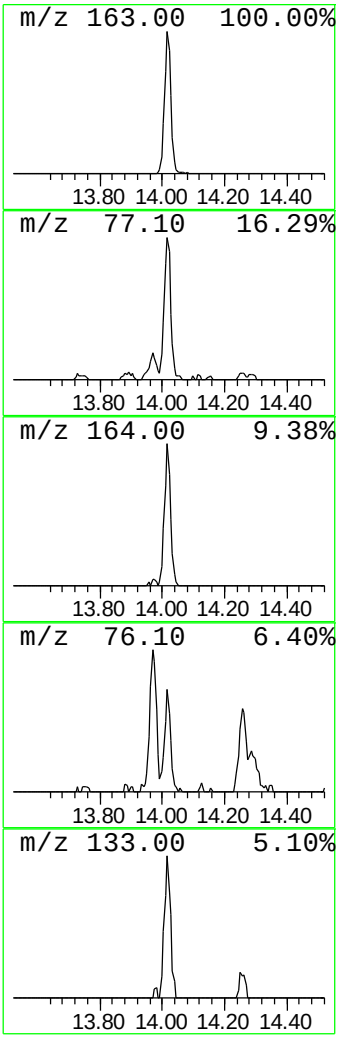
Peak Number 10 Dimethyl phthalate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.80 ng/ul	136969	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	86
2	Phthalic acid, 4-isopropylphenyl...	298	C18H18O4	1000315-65-7	83
3	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	83
4	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	74
5	2-Methoxyethyl methyl phthalate	238	C12H14O5	1000373-89-4	74





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Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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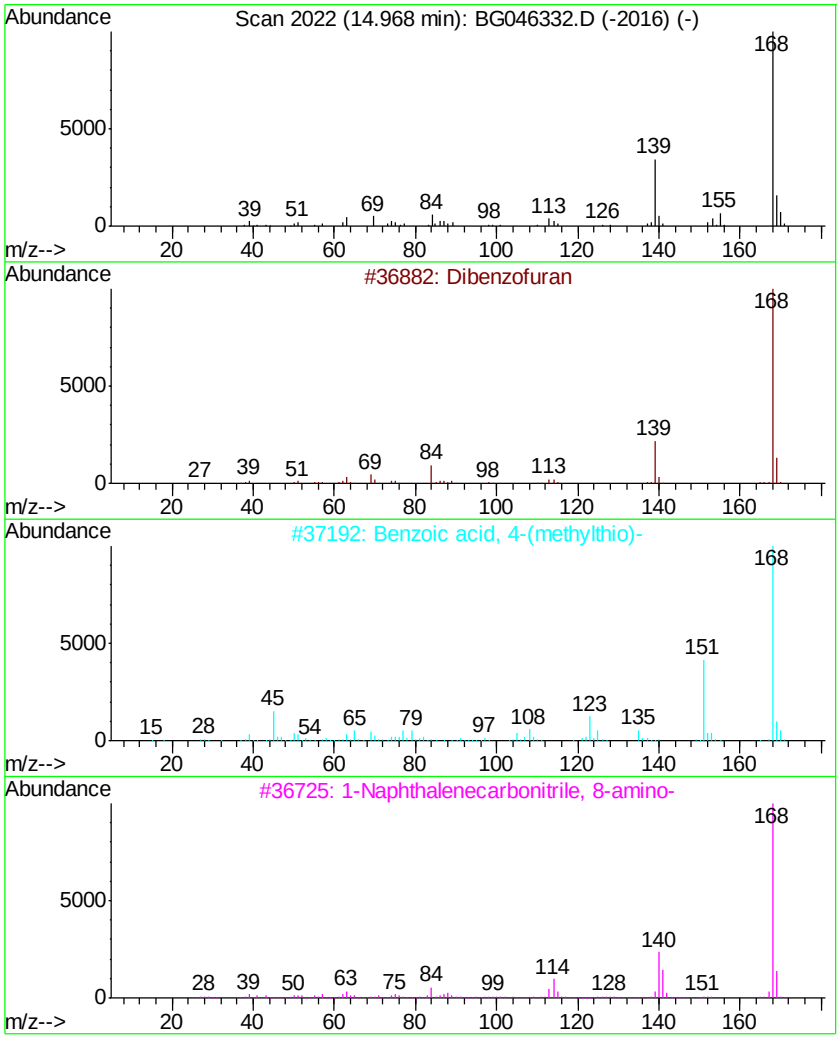
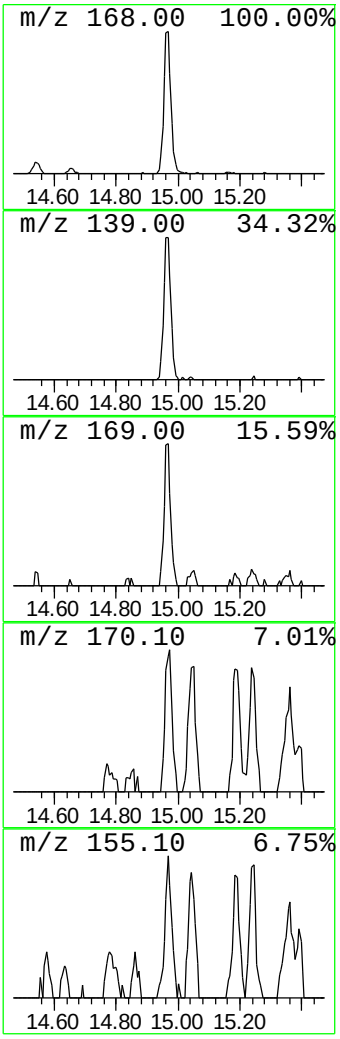
Peak Number 11 Dibenzofuran Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.04 ng/ul	99729	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	83
2	Benzoic acid, 4-(methylthio)-	168	C8H8O2S	013205-48-6	53
3	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	53
4	Thiazolo[3,2-c]pyrimidin-4-ium, ...	168	C7H8N2OS	024614-07-1	53
5	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	47





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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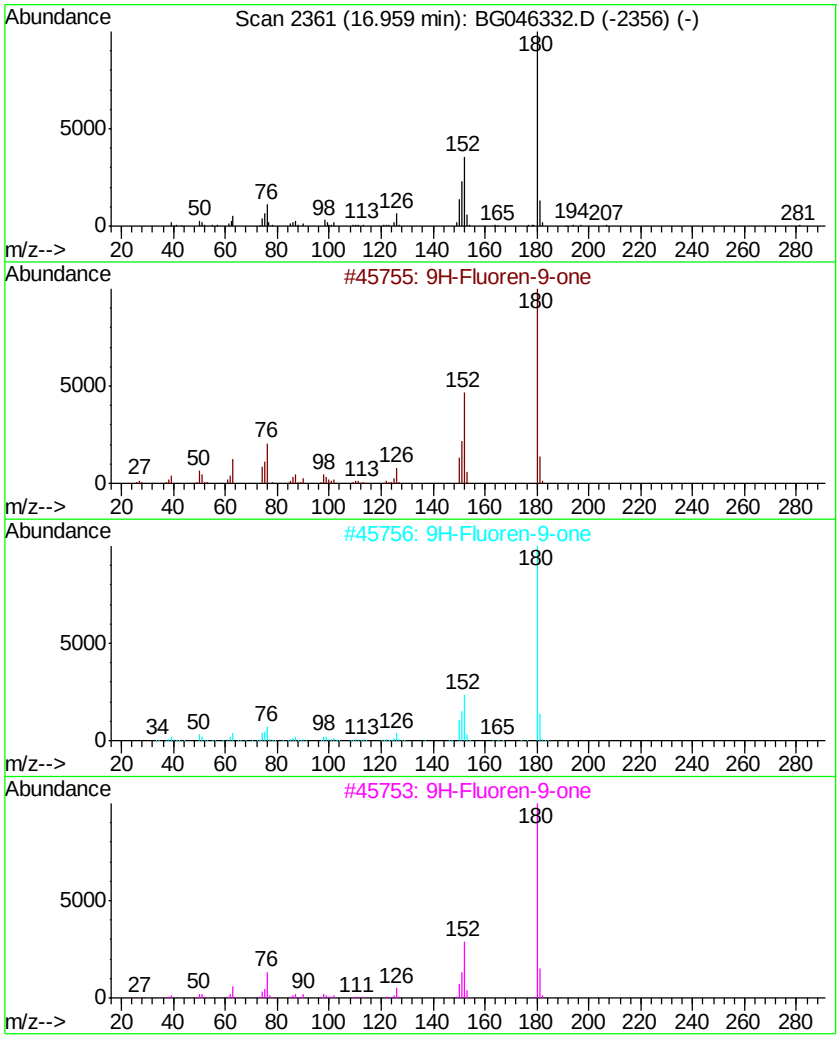
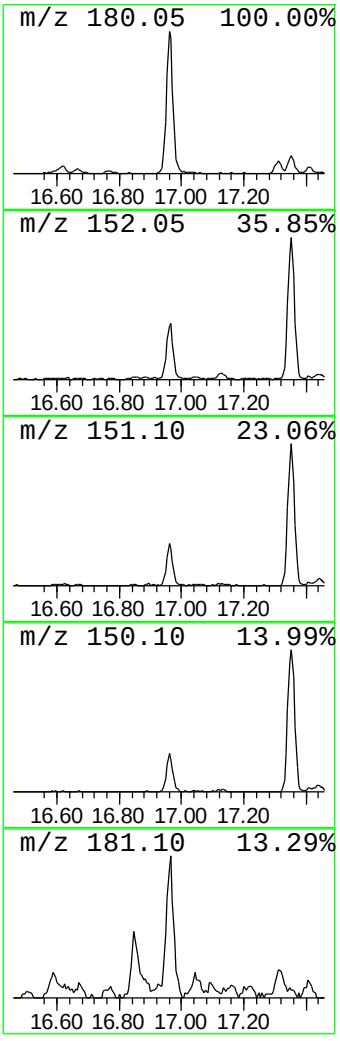
Peak Number 12 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.80 ng/ul	171265	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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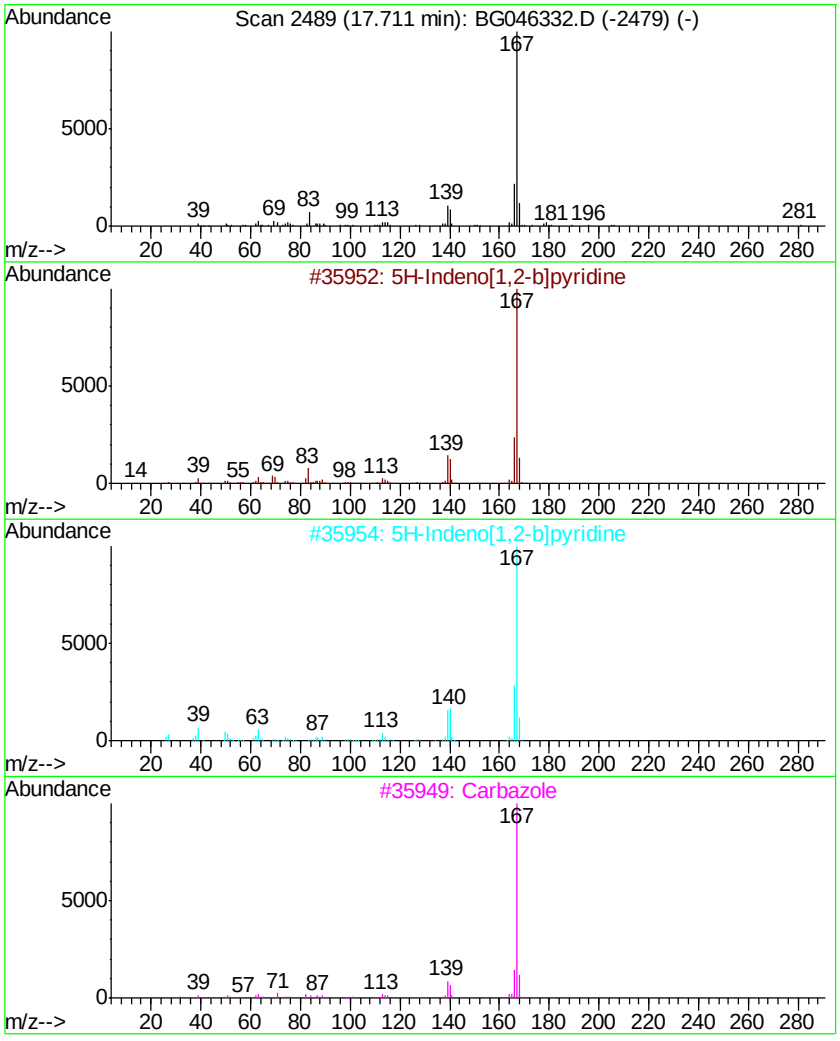
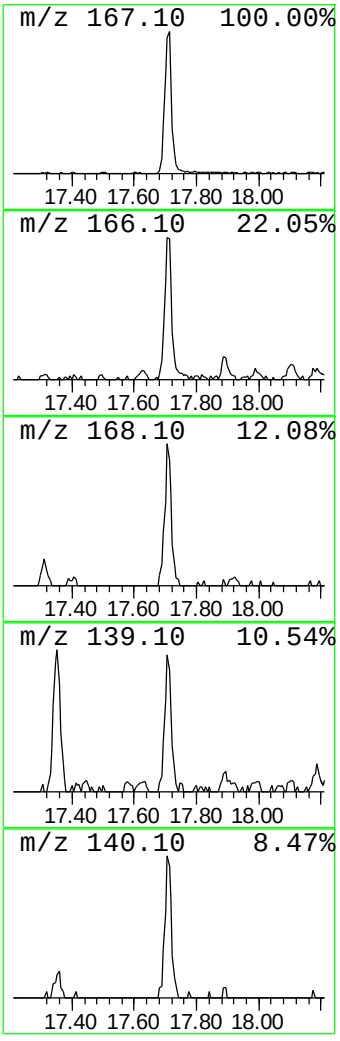
Peak Number 13 5H-Indeno[1,2-b]pyridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.51 ng/ul	153541	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	93
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	87
4	Carbazole	167	C12H9N	000086-74-8	87
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87





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Instrument : BNA_G
ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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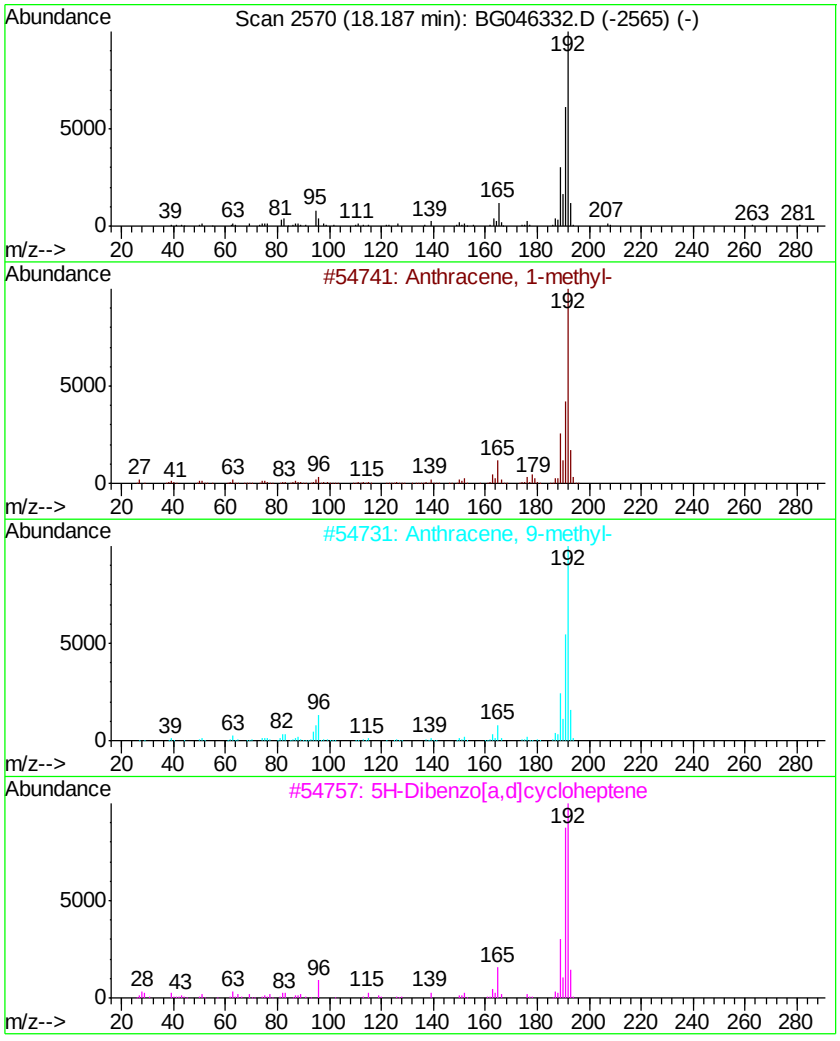
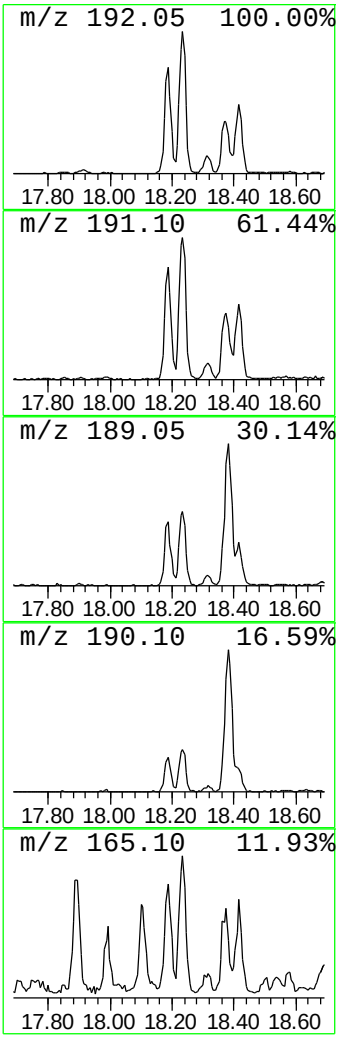
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.75 ng/ul	168464	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMK6

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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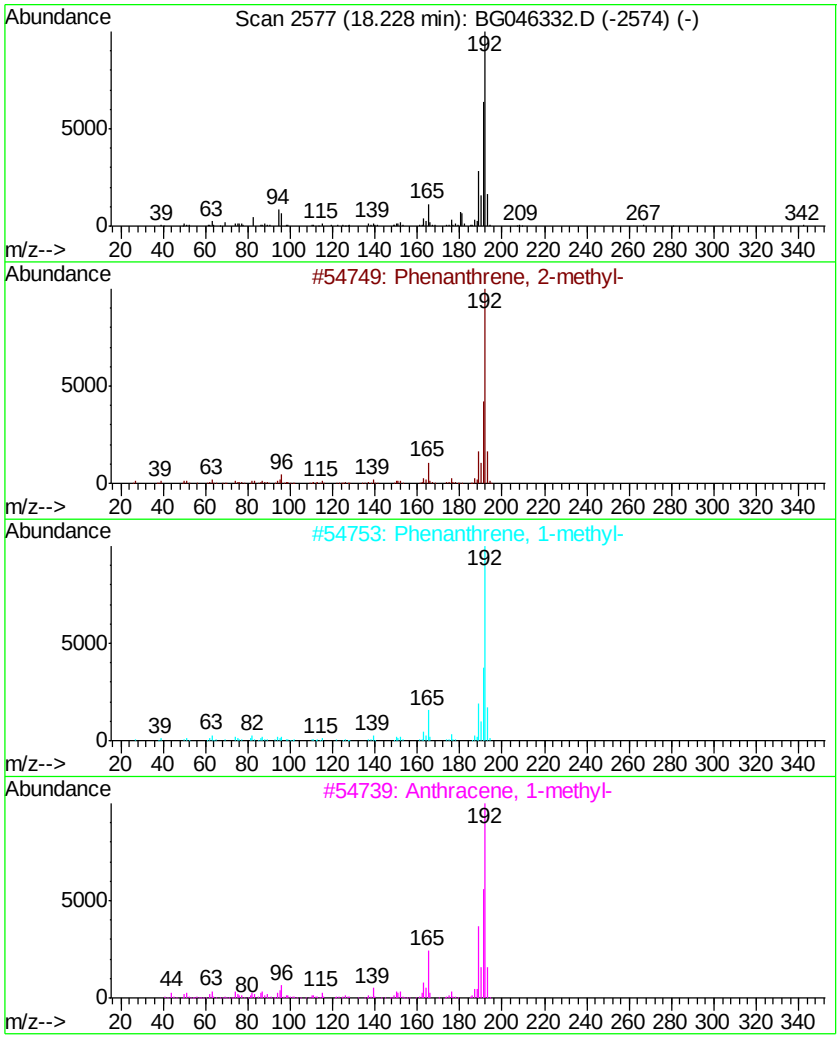
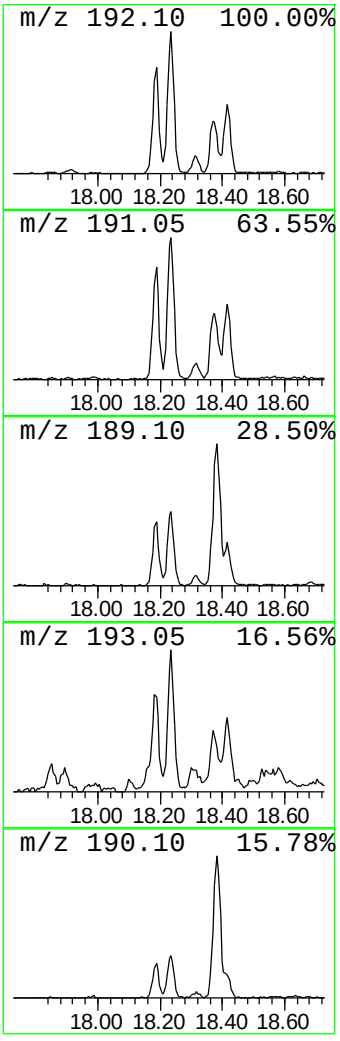
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.89 ng/ul	237761	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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ClientSampleId : BFMK6

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Quant Title : SVOA CALIBRATION

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

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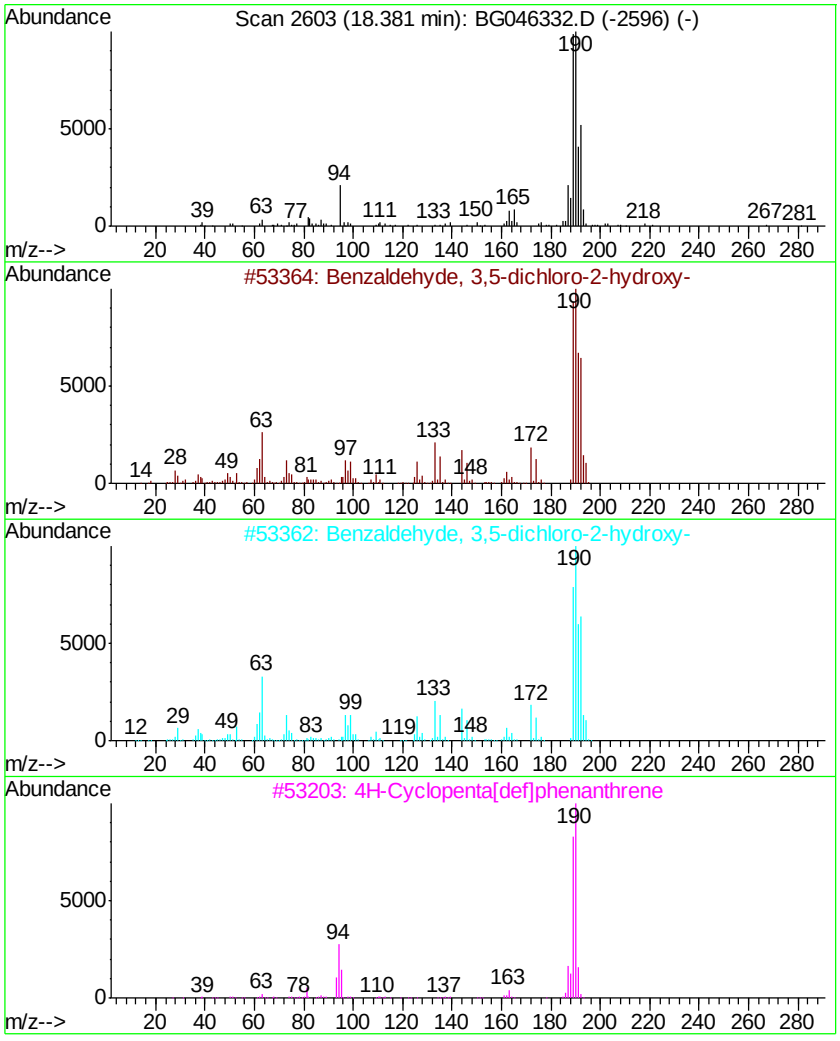
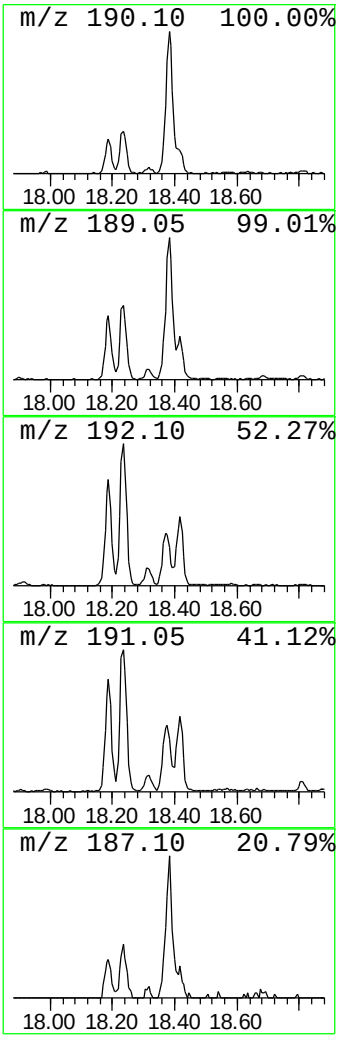
Peak Number 16 Benzaldehyde, 3,5-dichloro-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.37 ng/ul	206090	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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Data File : BG046332.D
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Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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

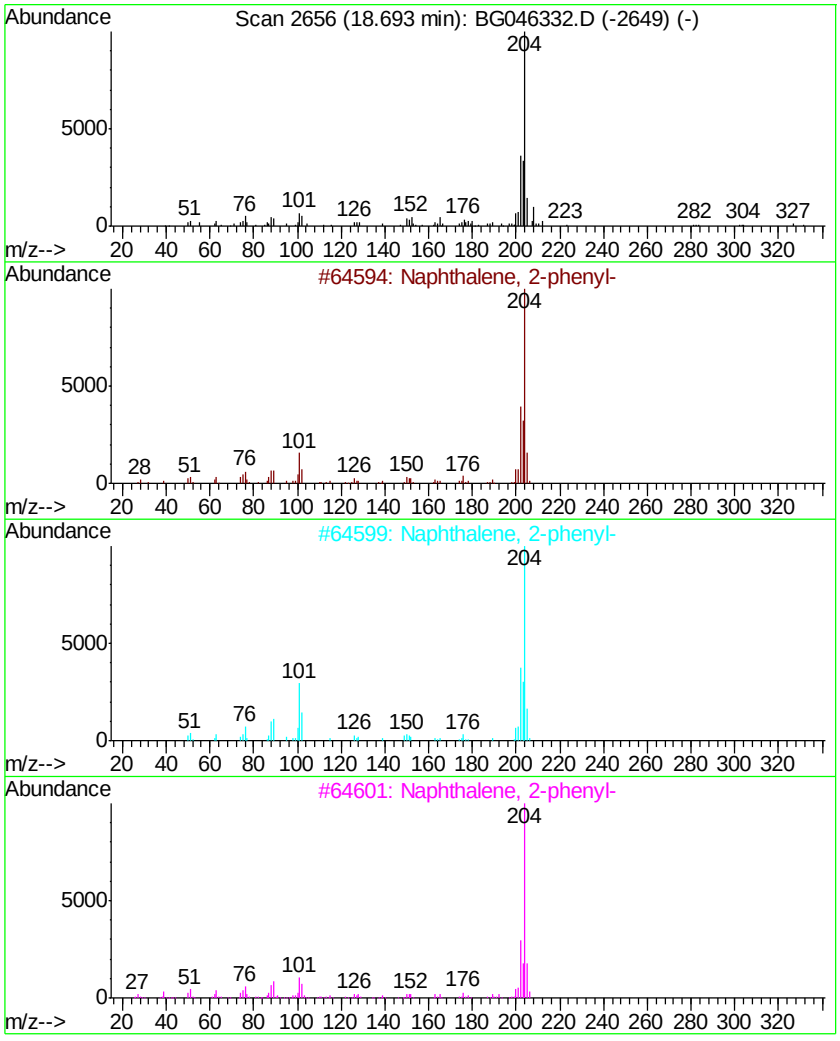
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

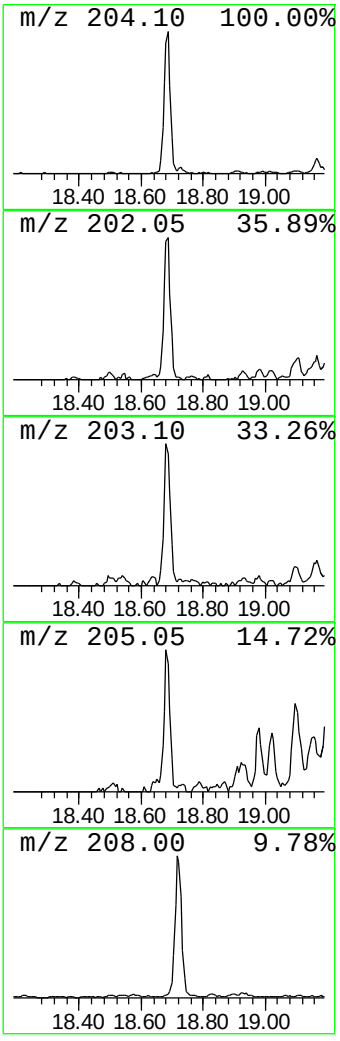
****

Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.47 ng/ul	150903	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





Library Search Compound Report

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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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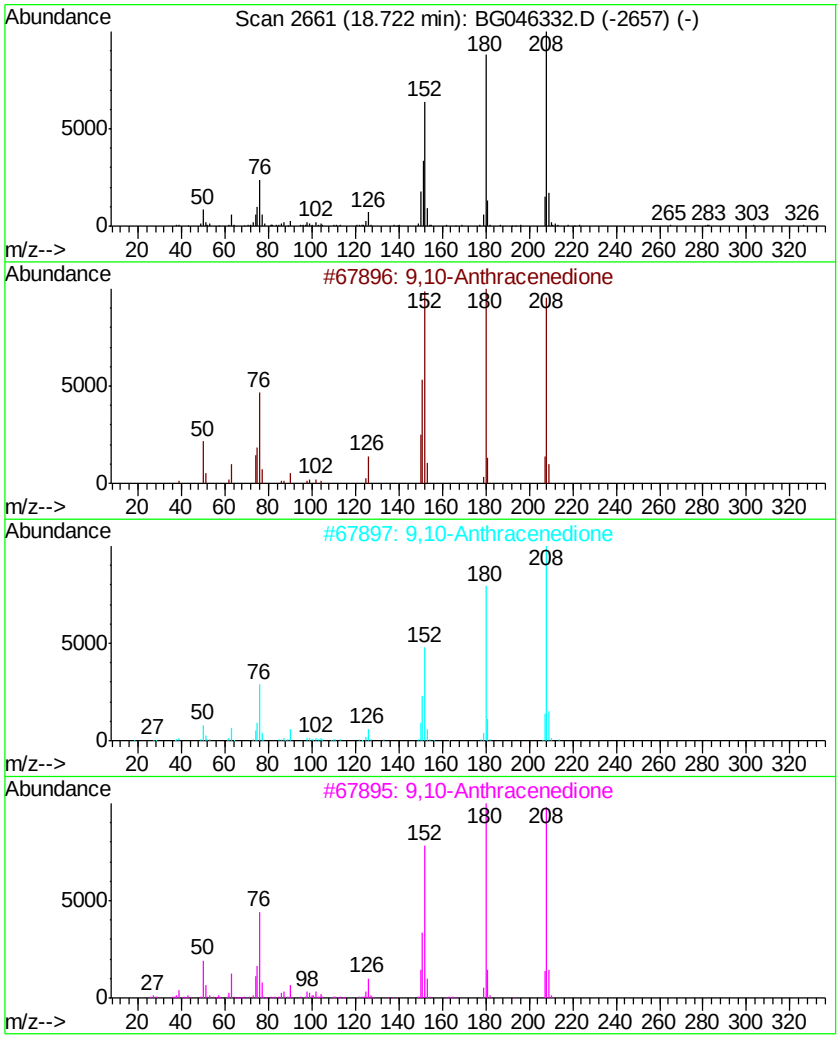
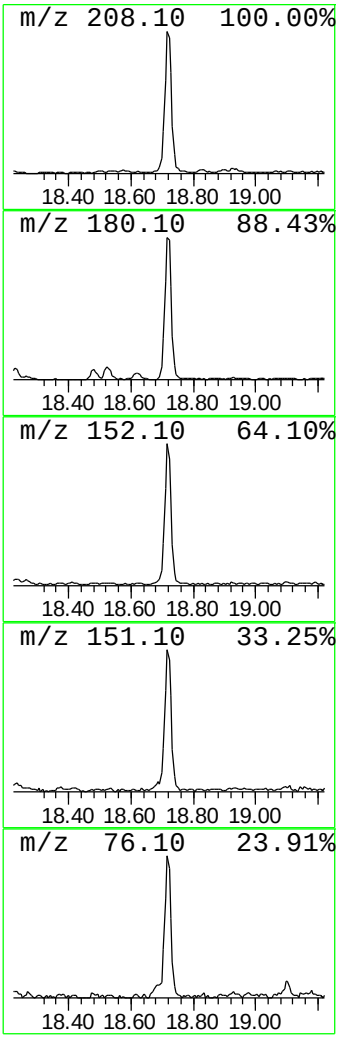
Peak Number 18 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.26 ng/ul	322171	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	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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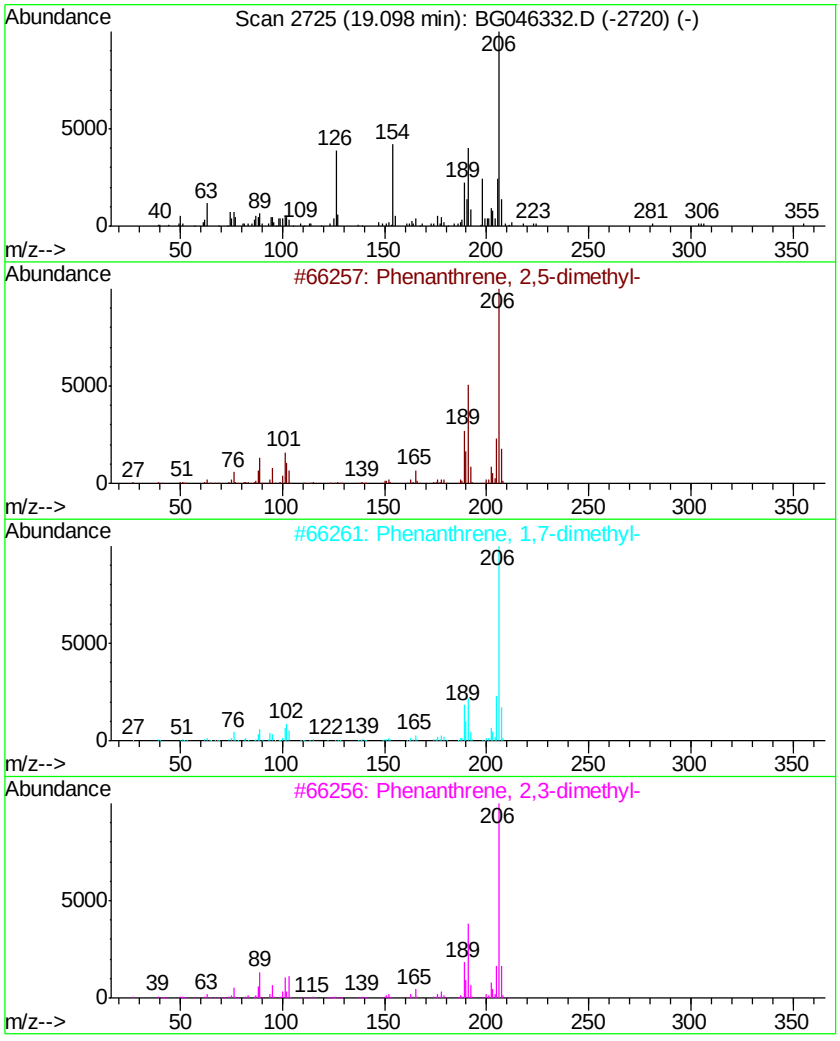
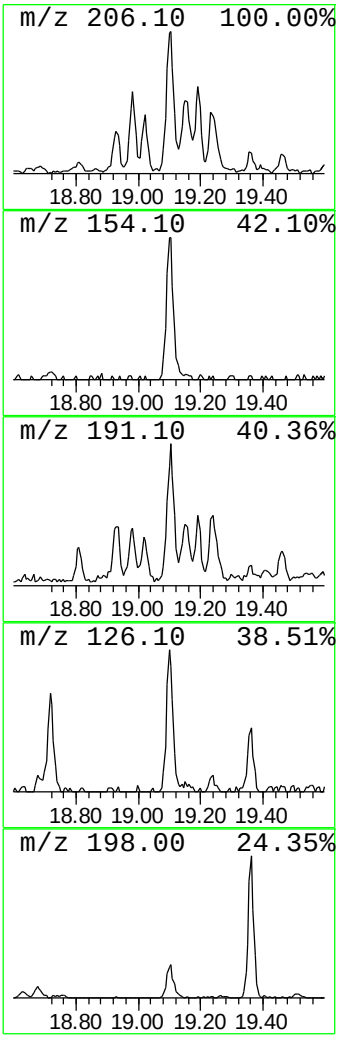
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.18 ng/ul	133544	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55





Library Search Compound Report

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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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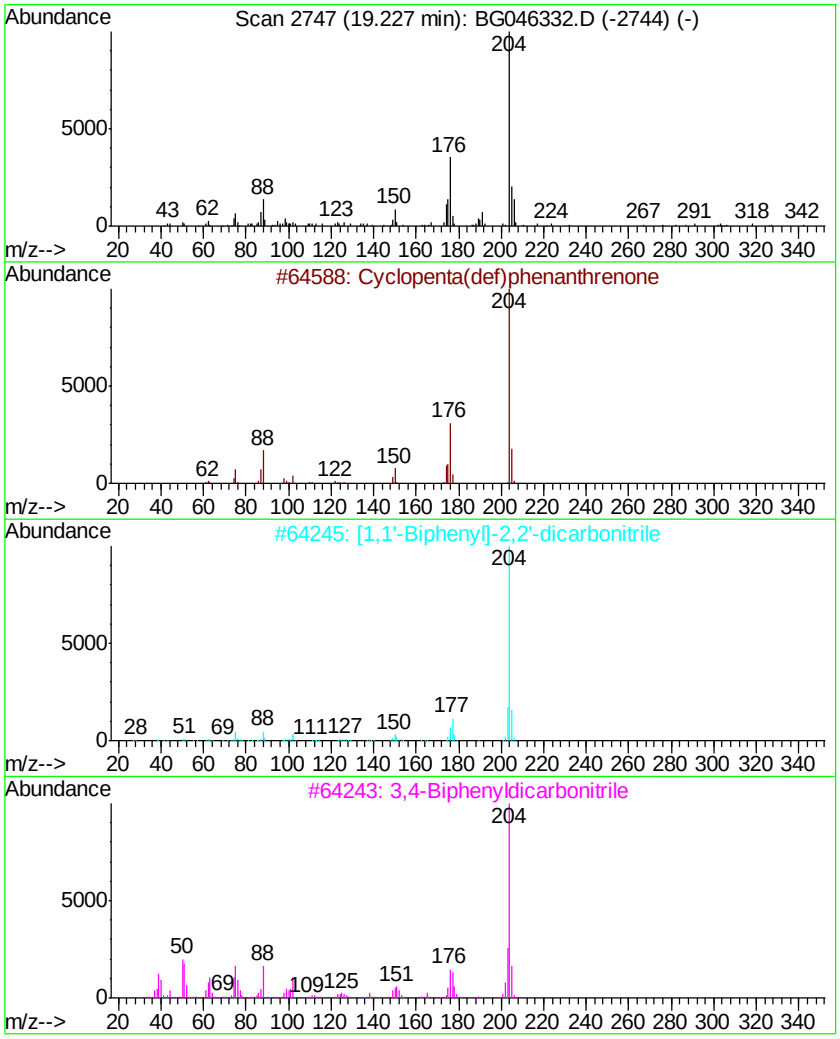
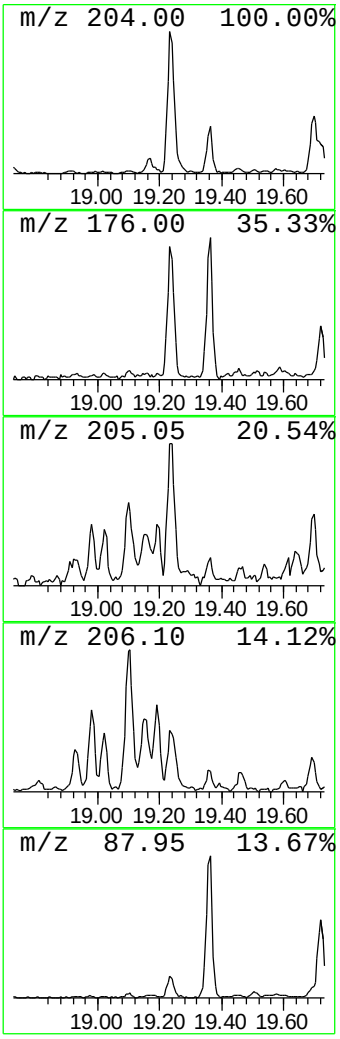
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.77 ng/ul	169677	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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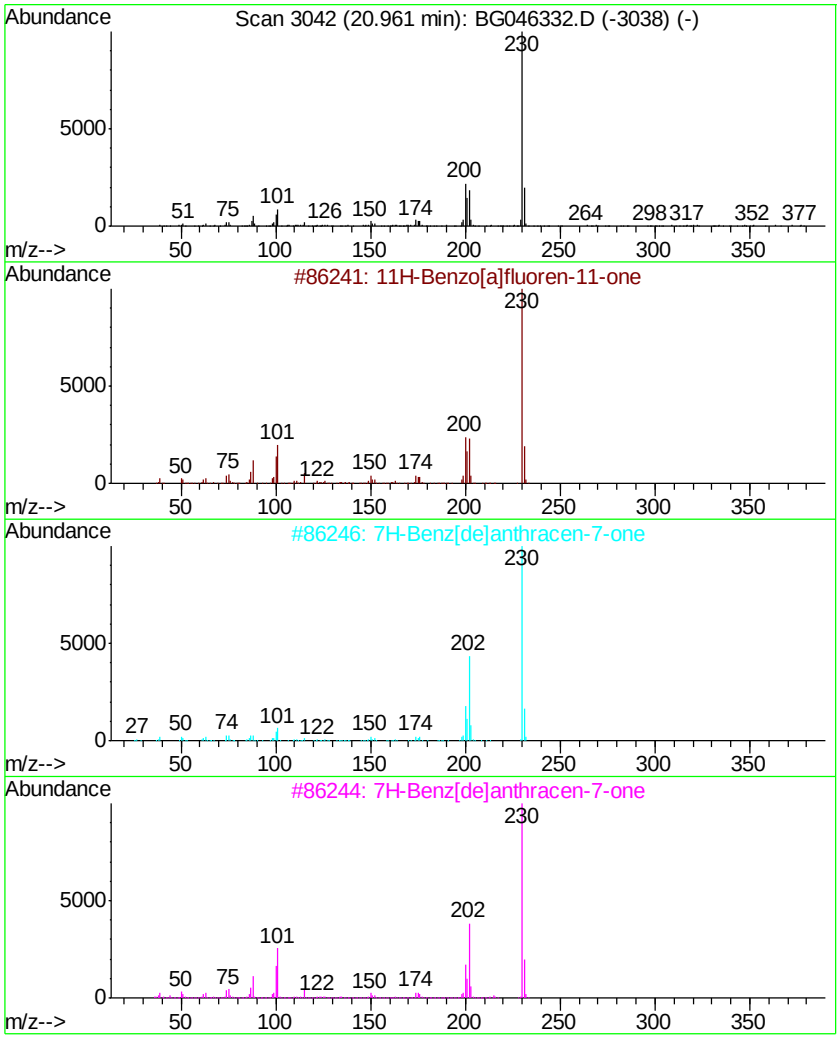
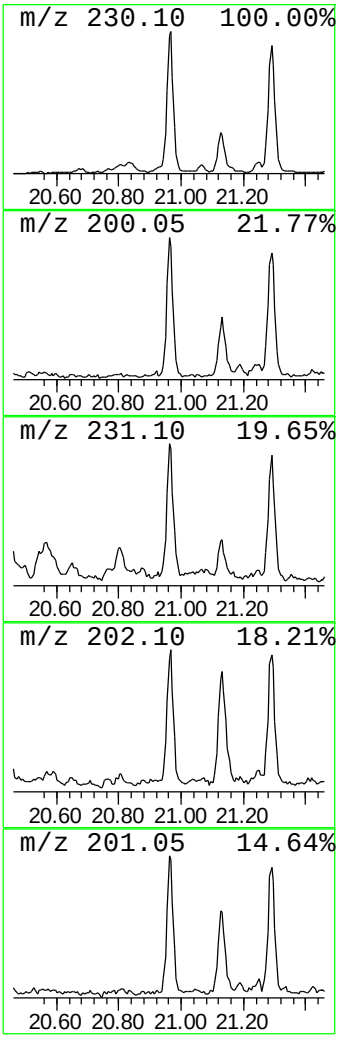
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.27 ng/ul	252815	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	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	o-Terphenyl	230	C18H14	000084-15-1	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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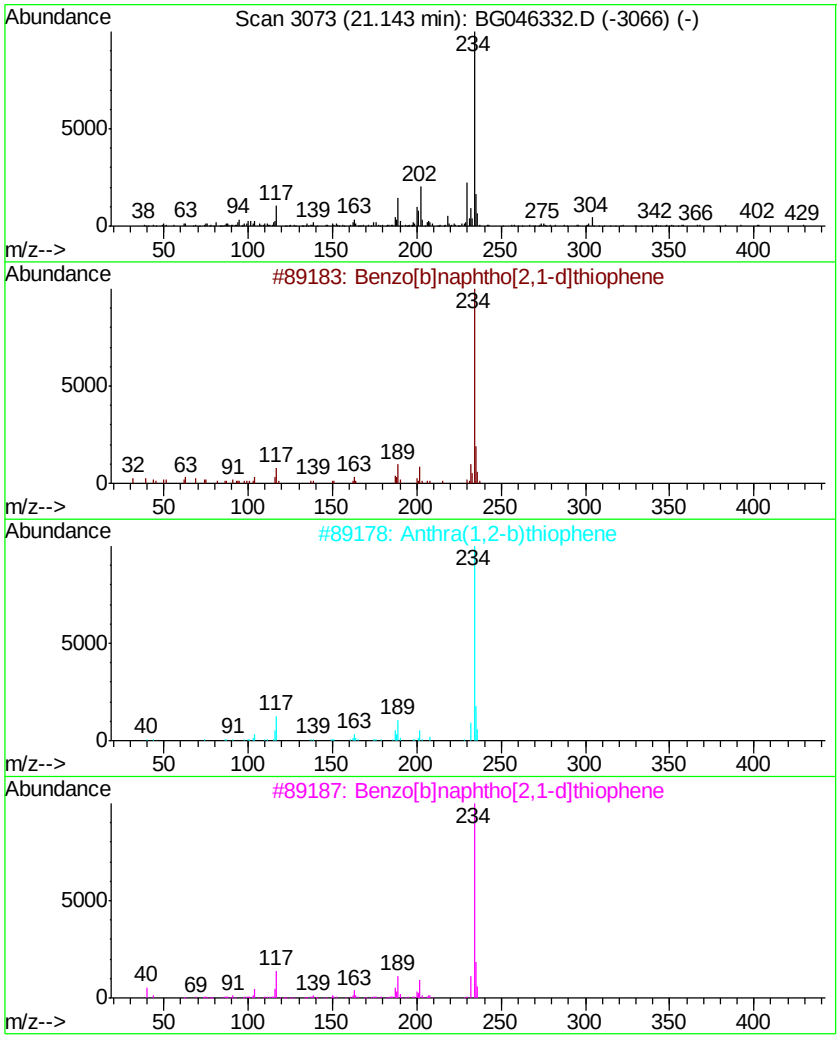
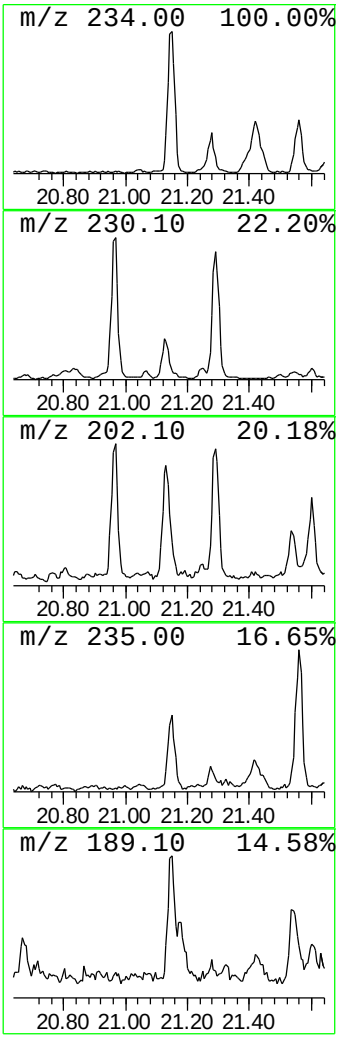
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.17 ng/ul	241373	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	94
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70





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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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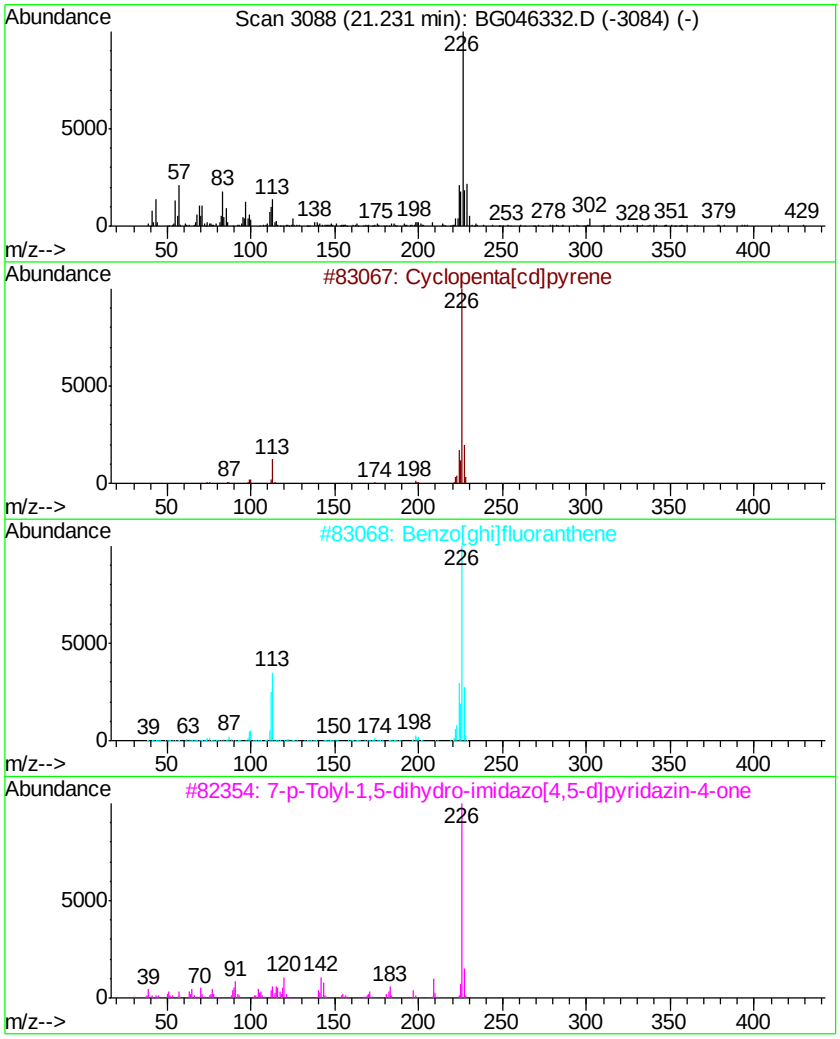
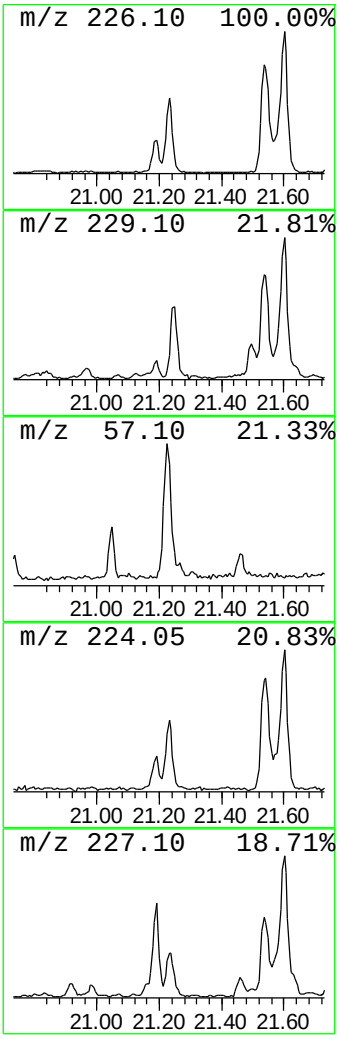
Peak Number 23 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	3.41 ng/ul	380186	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
3	7-p-Tolyl-1,5-dihydro-imidazo[4,...	226	C12H10N4O	1000317-75-5	43
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38
5	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	37





Library Search Compound Report

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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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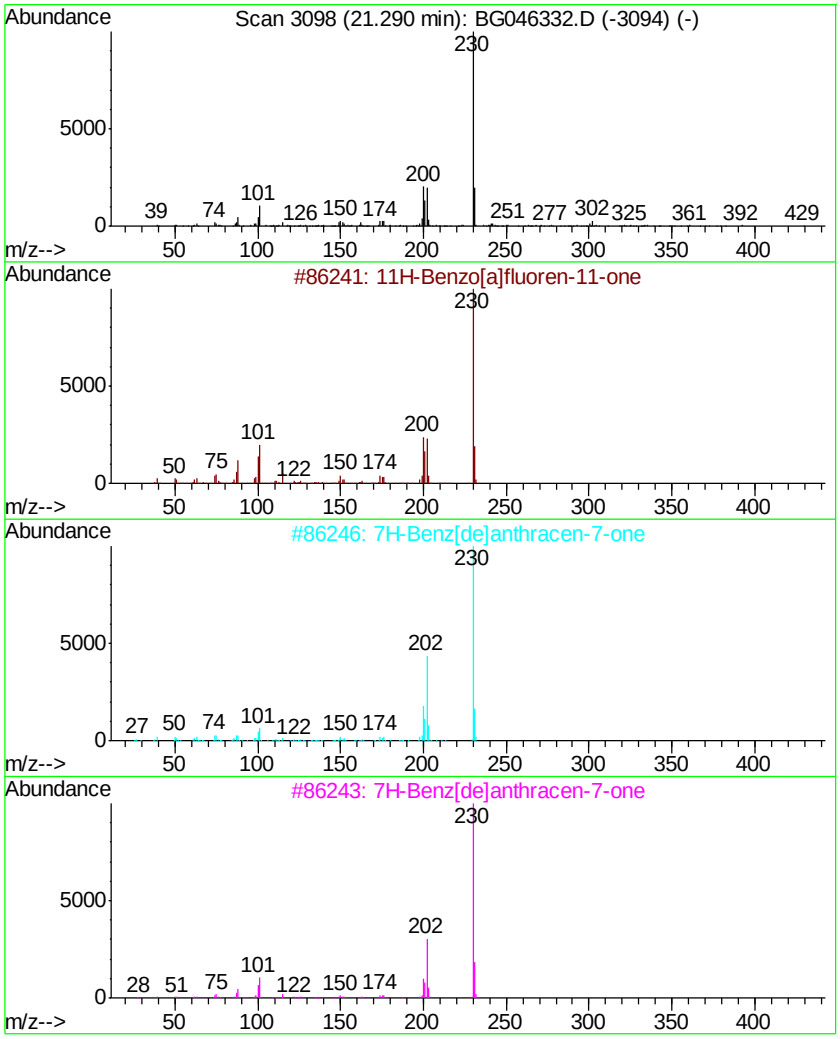
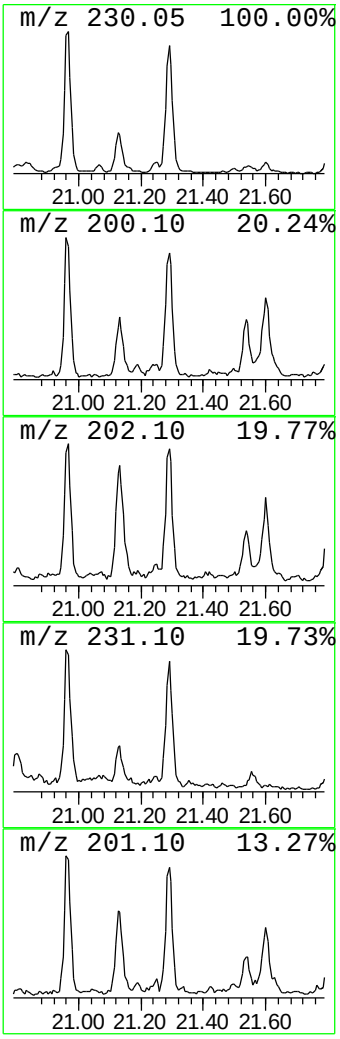
Peak Number 24 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.77 ng/ul	308475	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	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Library Search Compound Report

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Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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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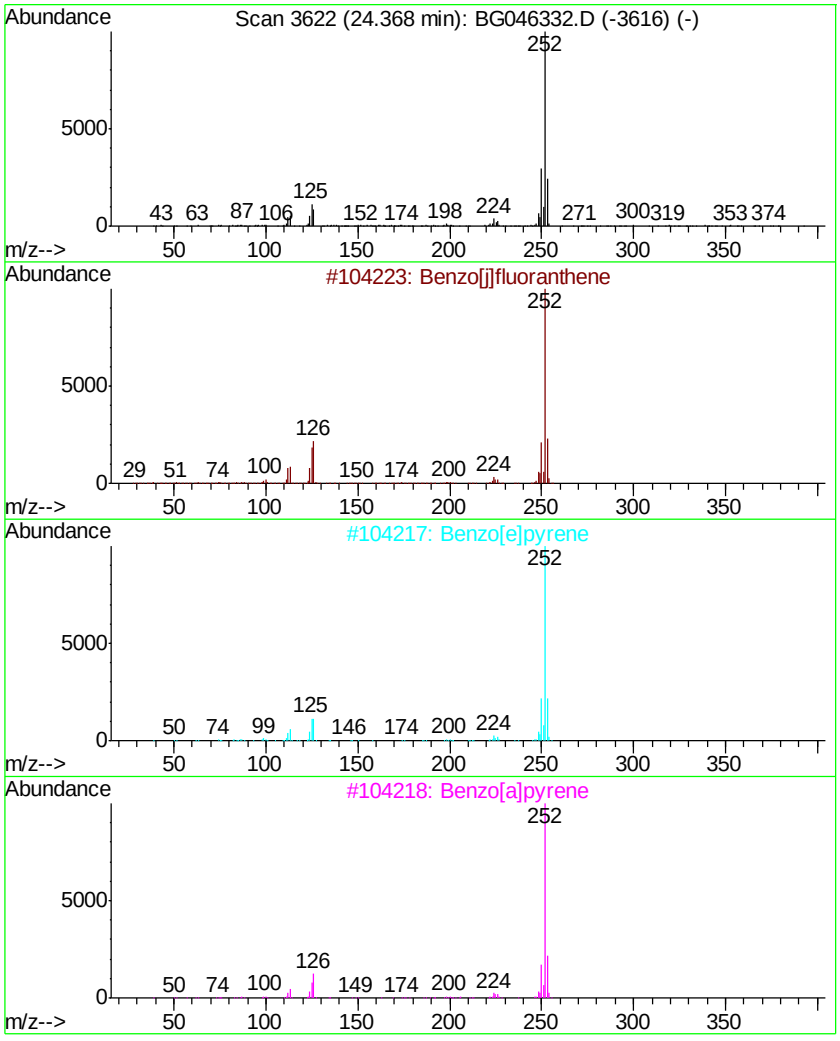
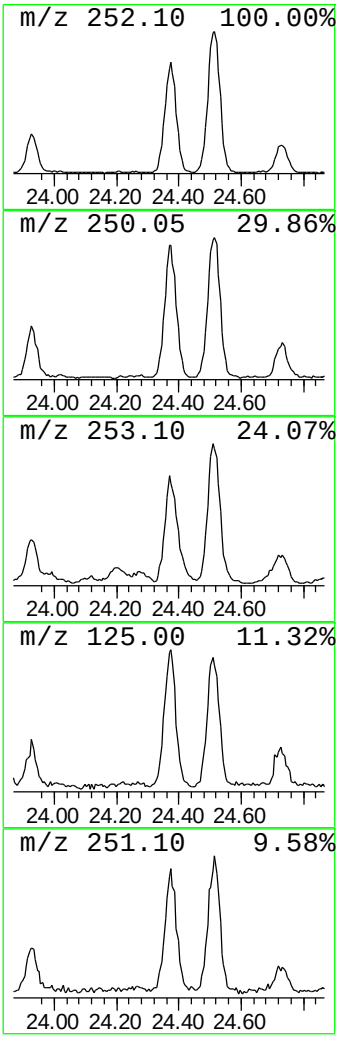
Peak Number 25 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	5.41 ng/ul	376684	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

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Data File : BG046332.D
Acq On : 18 Aug 2020 17:50
Operator : CG/JU
Sample : L3636-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMK6

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...	3.15	80.6	ng/ul	1803150	1	7.94	447430	20.0
Hexanoic acid, 4-...	7.11	5.4	ng/ul	121653	1	7.94	447430	20.0
unknown-01	7.26	4.5	ng/ul	100547	1	7.94	447430	20.0
unknown-02	7.48	5.2	ng/ul	116740	1	7.94	447430	20.0
unknown-03	8.65	5.8	ng/ul	129409	1	7.94	447430	20.0
unknown-04	9.09	5.2	ng/ul	117098	1	7.94	447430	20.0
unknown-05	9.81	2.8	ng/ul	93132	2	10.74	673684	20.0
unknown-06	10.87	3.6	ng/ul	120507	2	10.74	673684	20.0
unknown-07	13.97	5.5	ng/ul	266921	3	14.57	978843	20.0
Dimethyl phthalate	14.02	2.8	ng/ul	136969	3	14.57	978843	20.0
Dibenzofuran	14.97	2.0	ng/ul	99729	3	14.57	978843	20.0
9H-Fluoren-9-one	16.96	2.8	ng/ul	171265	4	17.31	1223850	20.0
5H-Indeno[1,2-b]p...	17.71	2.5	ng/ul	153541	4	17.31	1223850	20.0
Anthracene, 1-met...	18.19	2.8	ng/ul	168464	4	17.31	1223850	20.0
Phenanthrene, 2-m...	18.23	3.9	ng/ul	237761	4	17.31	1223850	20.0
Benzaldehyde, 3,5...	18.38	3.4	ng/ul	206090	4	17.31	1223850	20.0
Naphthalene, 2-ph...	18.69	2.5	ng/ul	150903	4	17.31	1223850	20.0
9,10-Anthracenedione	18.72	5.3	ng/ul	322171	4	17.31	1223850	20.0
Phenanthrene, 2,5...	19.10	2.2	ng/ul	133544	4	17.31	1223850	20.0
Cyclopenta(def)ph...	19.23	2.8	ng/ul	169677	4	17.31	1223850	20.0
11H-Benzo[a]fluor...	20.96	2.3	ng/ul	252815	5	21.56	2227650	20.0
Benzo[b]naphtho[2...	21.14	2.2	ng/ul	241373	5	21.56	2227650	20.0
Cyclopenta[cd]pyrene	21.23	3.4	ng/ul	380186	5	21.56	2227650	20.0
7H-Benz[de]anthra...	21.29	2.8	ng/ul	308475	5	21.56	2227650	20.0
Benzo[j]fluoranthene	24.37	5.4	ng/ul	376684	6	24.66	1392000	20.0