LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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	3.137	4	8	25	rVB	1381454	1996671	98.22%	6.552%
2	3.913	135	140	147	rBV	27184	38464	1.89%	0.126%
3	4.048	158	163	167	rBV2	11823	16773	0.83%	0.055%
4	7.103	676	683	692	rBV	165481	285391	14.04%	0.937%
5	7.262	704	710	719	rBV	136147	221557	10.90%	0.727%
6	7.473	738	746	755	rBV	163147	280077	13.78%	0.919%
7	7.938	817	825	832	rBV	276887	463962	22.82%	1.522%
8	8.643	938	945	958	rBV	208795	372846	18.34%	1.224%
9	9.089	1014	1021	1035	rBV	163677	285735	14.06%	0.938%
10	9.812	1137	1144	1153	rBV	130672	240131	11.81%	0.788%
11	10.358	1230	1237	1245	rBV	223562	395668	19.46%	1.298%
12	10.734	1292	1301	1307	rBV	404481	705679	34.71%	2.316%
13	10.787	1307	1310	1316	rVB	15302	22388	1.10%	0.073%
14	10.864	1316	1323	1338	rBV	183098	354507	17.44%	1.163%
15	12.397	1576	1584	1594	rVB2	10601	18129	0.89%	0.059%
16	12.609	1615	1620	1626	rBV	9976	16570	0.82%	0.054%
17	13.890	1832	1838	1843	rBV3	12516	22101	1.09%	0.073%
18	13.972	1843	1852	1858	rVV	407347	608389	29.93%	1.996%
19	14.019	1858	1860	1865	rVB	16634	18917	0.93%	0.062%
20	14.260	1894	1901	1915	rBV	488969	796930	39.20%	2.615%
21	14.565	1945	1953	1960	rVV2	640010	1031765	50.76%	3.386%
22	14.630	1960	1964	1971	rVB	28869	42775	2.10%	0.140%
23	14.765	1980	1987	2001	rBV	110542	226305	11.13%	0.743%
24	14.965	2016	2021	2031	rVB	54501	88151	4.34%	0.289%
25	15.558	2115	2122	2128	rBV	632961	961834	47.32%	3.156%
26	15.617	2128	2132	2136	rVV	62738	94426	4.65%	0.310%
27	15.676	2136	2142	2151	rVV	139143	227283	11.18%	0.746%
28	15.911	2177	2182	2188	rVB	24321	35391	1.74%	0.116%
29	16.052	2196	2206	2214	rVV	25901	54977	2.70%	0.180%
30	16.592	2292	2298	2300	rBV3	9965	16357	0.80%	0.054%
31	16.622	2300	2303	2307	rVV2	12200	21223	1.04%	0.070%
32	16.851	2334	2342	2345	rBV2	12624	21816	1.07%	0.072%
33	16.892	2345	2349	2352	rVV3	13467	20193	0.99%	0.066%
34	16.962	2356	2361	2370	rVV	107762	162224	7.98%	0.532%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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	17.039	2370	2374	2381	rVV3	13170	30502	1.50%	0.100%
36	17.127	2385	2389	2398	rVB	53986	89498	4.40%	0.294%
37	17.309	2414	2420	2424	rBV	829678	1284513	63.19%	4.215%
38	17.350	2424	2427	2432	rVB	970656	1382837	68.03%	4.538%
39	17.409	2432	2437	2442	rBV	675872	968234	47.63%	3.177%
40	17.503	2448	2453	2458	rVB3	15576	24287	1.19%	0.080%
41	17.709	2479	2488	2494	rBV2	73320	137501	6.76%	0.451%
42	17.832	2502	2509	2515	rBV3	22197	35315	1.74%	0.116%
43	17.891	2515	2519	2528	rVB3	27866	47160	2.32%	0.155%
44	18.102	2551	2555	2560	rBV2	13034	18936	0.93%	0.062%
45	18.184	2560	2569	2573	rVV	108787	178204	8.77%	0.585%
46	18.231	2573	2577	2583	rVV	150357	235472	11.58%	0.773%
47	18.314	2587	2591	2595	rVV	17025	26872	1.32%	0.088%
48	18.378	2595	2602	2606	rVV2	105231	200642	9.87%	0.658%
49	18.419	2606	2609	2615	rVB	69371	95368	4.69%	0.313%
50	18.684	2649	2654	2656	rVV	97668	130339	6.41%	0.428%
51	18.719	2656	2660	2668	rVV	235408	352134	17.32%	1.156%
52	18.813	2672	2676	2682	rBV7	9297	16458	0.81%	0.054%
53	18.931	2688	2696	2700	rBV4	30227	45599	2.24%	0.150%
54	18.984	2700	2705	2708	rVV2	19368	28570	1.41%	0.094%
55	19.019	2708	2711	2717	rVB2	24985	32886	1.62%	0.108%
56	19.101	2720	2725	2730	rBV	78820	124492	6.12%	0.409%
57	19.160	2730	2735	2738	rVV5	19485	36116	1.78%	0.119%
58	19.189	2738	2740	2743	rVB2	17556	18062	0.89%	0.059%
59	19.236	2743	2748	2757	rVB2	95075	153467	7.55%	0.504%
60	19.360	2758	2769	2775	rBV	1167036	1708884	84.07%	5.608%
61	19.424	2776	2780	2782	rBV2	20629	24809	1.22%	0.081%
62	19.459	2782	2786	2791	rVB	29490	44526	2.19%	0.146%
63	19.512	2791	2795	2798	rBV2	21430	30017	1.48%	0.099%
64	19.553	2798	2802	2805	rBV2	42440	59713	2.94%	0.196%
65	19.600	2807	2810	2815	rVB	25673	36811	1.81%	0.121%
66	19.694	2820	2826	2828	rBV2	943023	1416571	69.69%	4.649%
67	19.724	2828	2831	2838	rVB	823630	1140435	56.10%	3.742%
68	19.794	2838	2843	2851	rVB2	49206	92052	4.53%	0.302%
69	19.900	2851	2861	2866	rBV	67271	128765	6.33%	0.423%
70	19.959	2866	2871	2877	rVB2	43648	71761	3.53%	0.235%
71	20.047	2880	2886	2892	rBV4	66275	157375	7.74%	0.516%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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	20.182	2904	2909	2911	rBV3	43354	79628	3.92%	0.261%
73	20.212	2911	2914	2918	rVB2	78820	116756	5.74%	0.383%
74	20.311	2927	2931	2935	rBV2	38426	54884	2.70%	0.180%
75	20.370	2936	2941	2946	rVV2	87014	147979	7.28%	0.486%
76	20.452	2952	2955	2961	rBV4	15667	25324	1.25%	0.083%
77	20.511	2961	2965	2969	rBV	42719	61324	3.02%	0.201%
78	20.558	2969	2973	2977	rVB3	40414	58267	2.87%	0.191%
79	20.764	3006	3008	3012	rBV4	13012	19077	0.94%	0.063%
80	20.805	3012	3015	3018	rVV5	15633	19593	0.96%	0.064%
81	20.964	3038	3042	3048	rVB	137308	197632	9.72%	0.649%
82	21.146	3066	3073	3077	rBV2	87253	194797	9.58%	0.639%
83	21.187	3077	3080	3084	rVV	82503	115941	5.70%	0.380%
84	21.234	3084	3088	3093	rVV2	92924	175338	8.63%	0.575%
85	21.293	3093	3098	3104	rVB	128353	203343	10.00%	0.667%
86	21.498	3130	3133	3134	rBV2	20778	22425	1.10%	0.074%
87	21.557	3135	3143	3147	rVV3	951377	2032780	100.00%	6.671%
88	21.598	3147	3150	3164	rVB	436318	722148	35.53%	2.370%
89	21.810	3182	3186	3190	rBV	33761	55754	2.74%	0.183%
90	21.945	3206	3209	3216	rVB4	33053	61672	3.03%	0.202%
91	22.344	3272	3277	3286	rVB4	81747	188362	9.27%	0.618%
92	23.678	3496	3504	3512	rBV2	291050	953247	46.89%	3.128%
93	23.801	3522	3525	3532	rVB4	40747	70190	3.45%	0.230%
94	24.377	3616	3623	3627	rBV	119014	286272	14.08%	0.939%
95	24.448	3628	3635	3642	rVV2	447303	1225805	60.30%	4.022%
96	24.512	3642	3646	3655	rVB	161533	381872	18.79%	1.253%
97	24.659	3661	3671	3679	rBV2	556623	1520279	74.79%	4.989%
98	25.811	3860	3867	3876	rVB2	58972	165393	8.14%	0.543%
99	27.103	4082	4087	4098	rVB9	41447	128191	6.31%	0.421%
100	28.155	4259	4266	4286	rVB2	89093	418650	20.59%	1.374%

Sum of corrected areas: 30473711

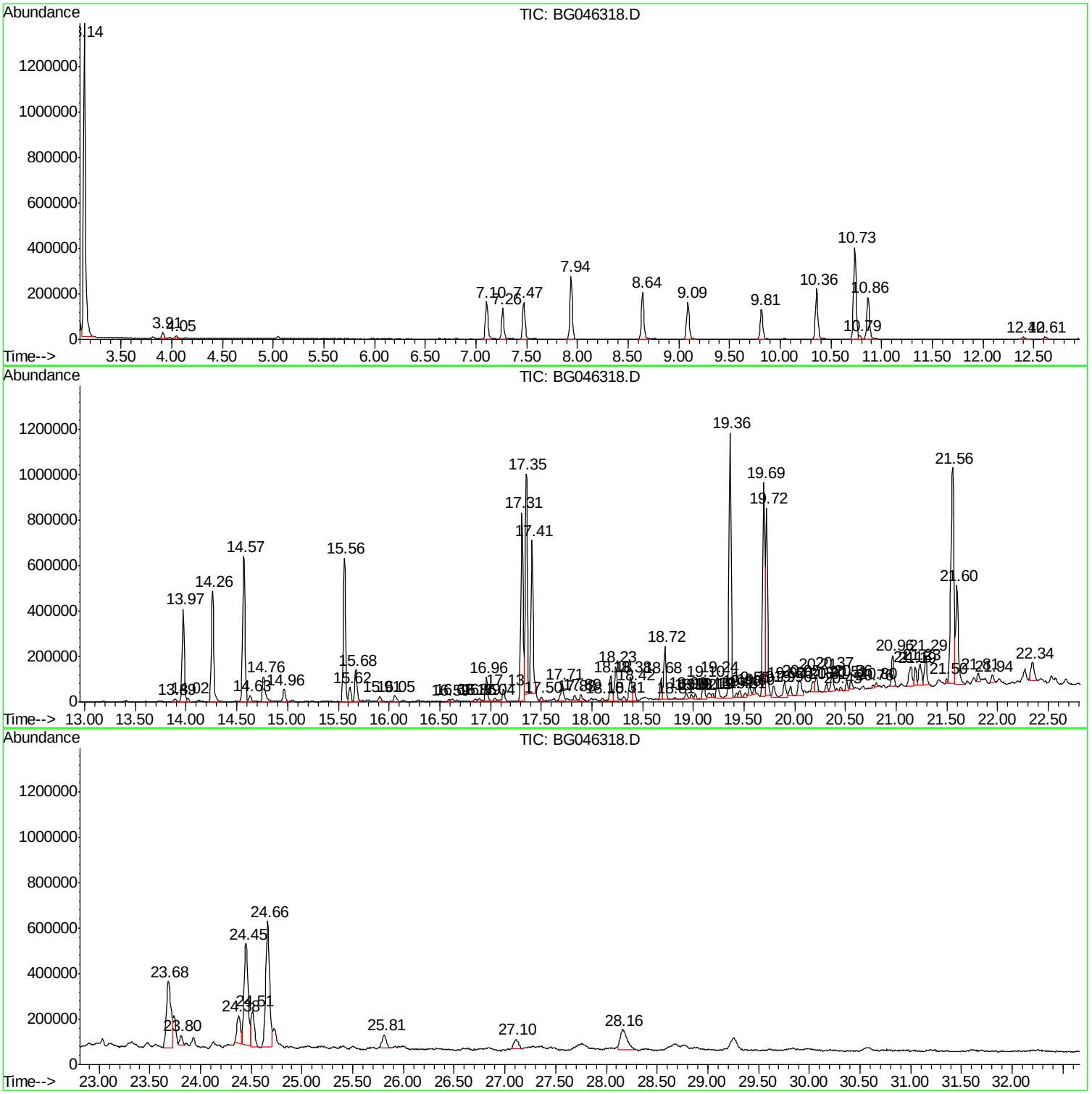
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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 : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

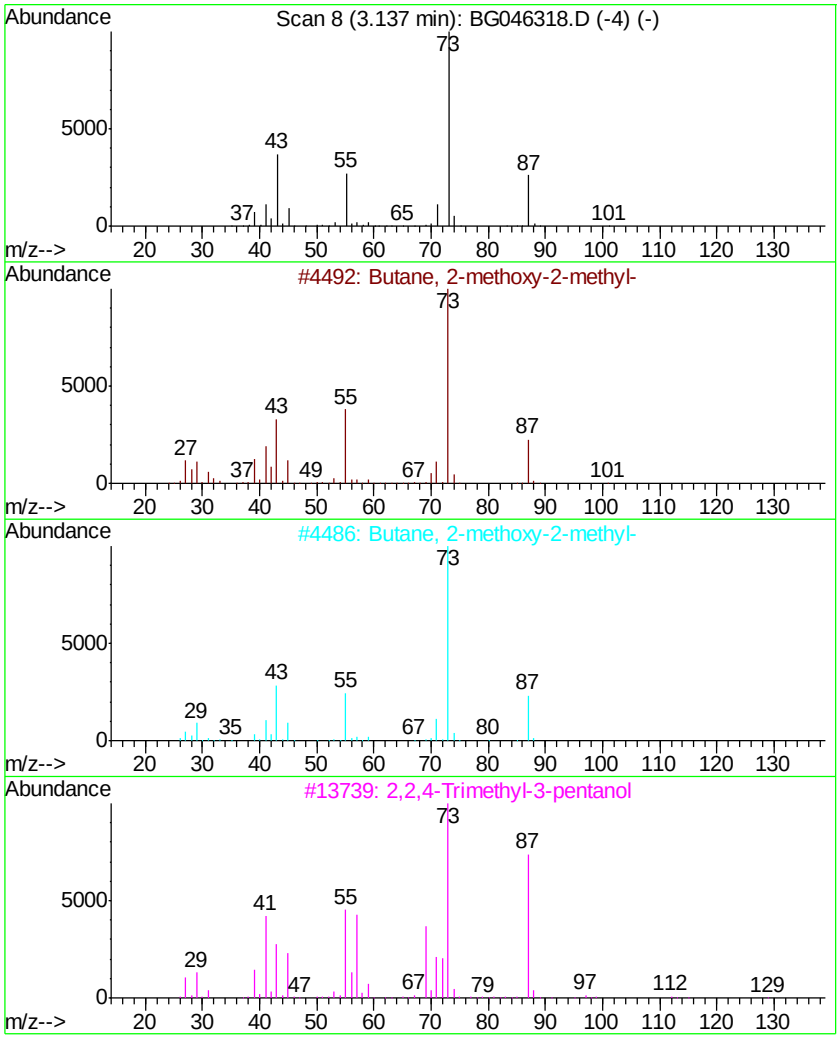
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

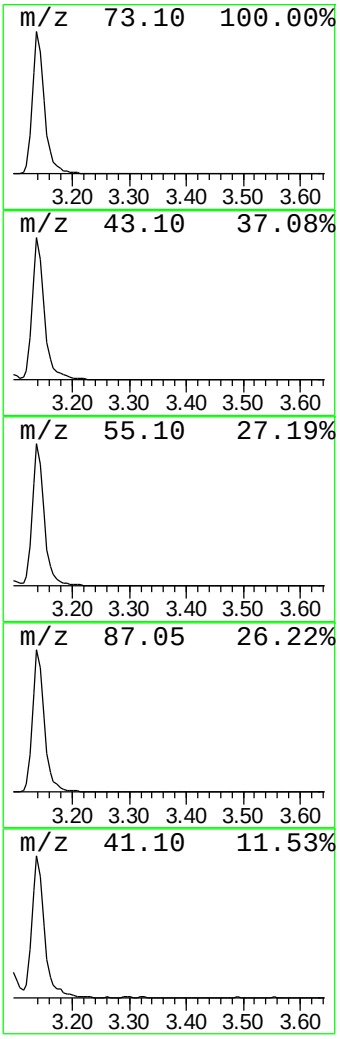
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	86.07 ng/ul	1996670	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

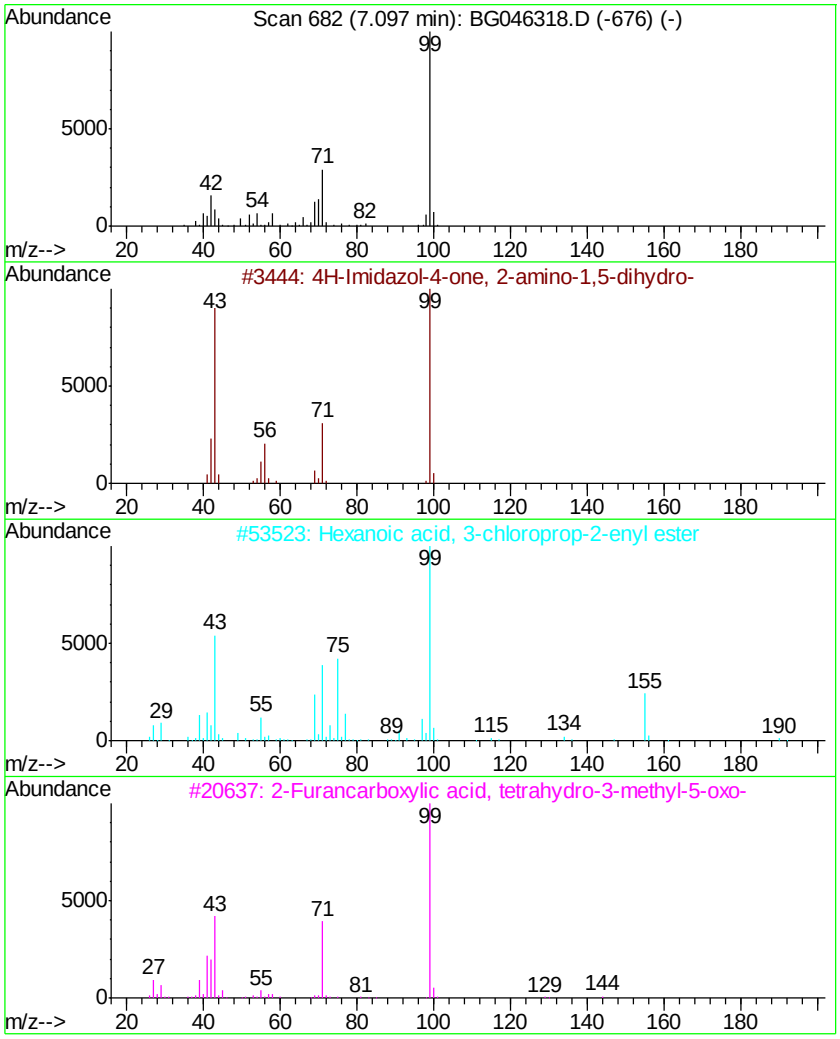
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

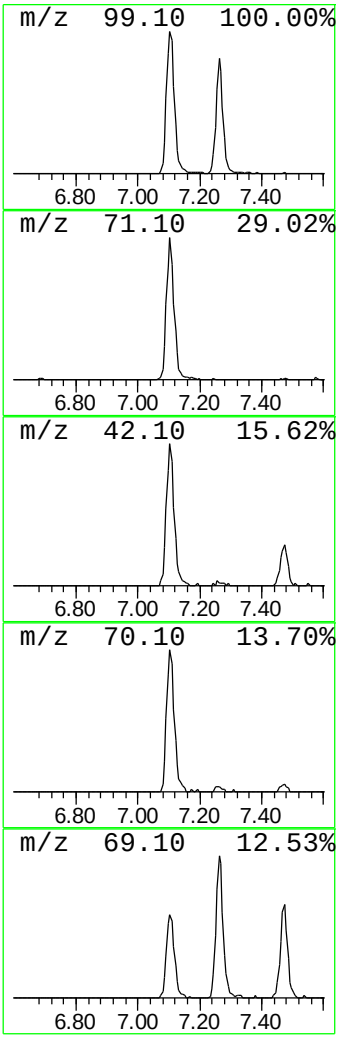
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	12.30 ng/ul	285391	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	Hexanoic acid, 3-chloroprop-2-en...	190	C9H15ClO2	1000299-36-1	59
3	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
4	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56
5	2H-Pyran-2-one, tetrahydro-6-octyl-	212	C13H24O2	007370-92-5	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

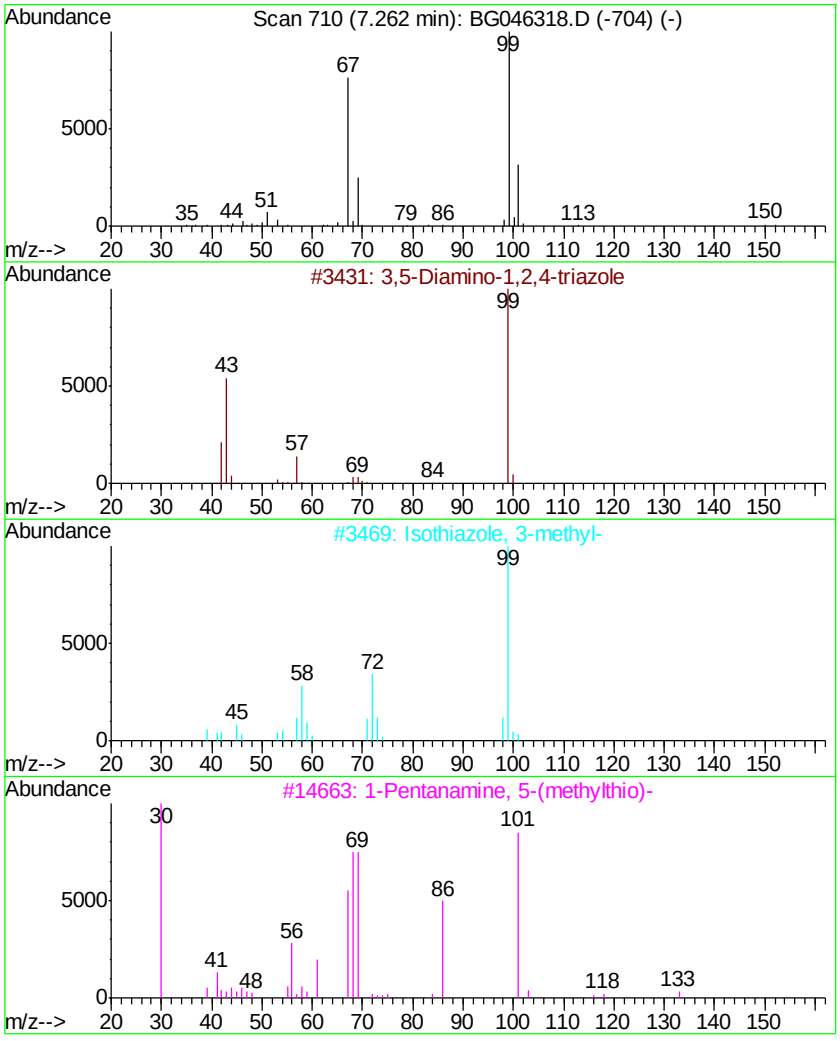
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

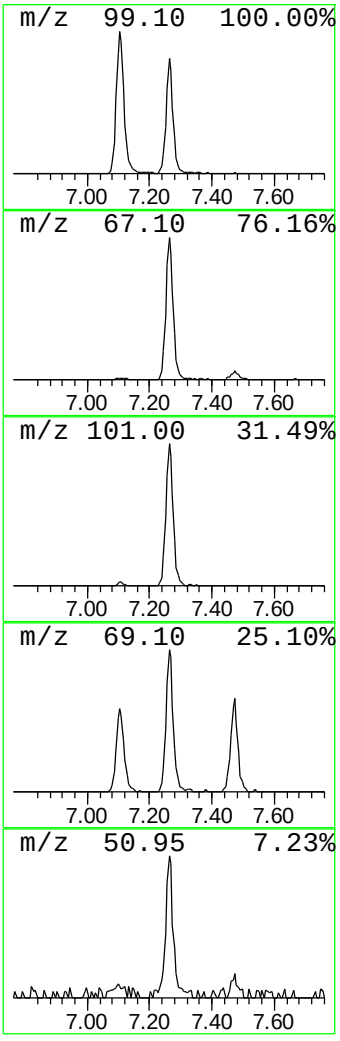
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	9.55 ng/ul	221557	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
5	Cyclopropane, isothiocyanato-	99	C4H5NS	056601-42-4	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

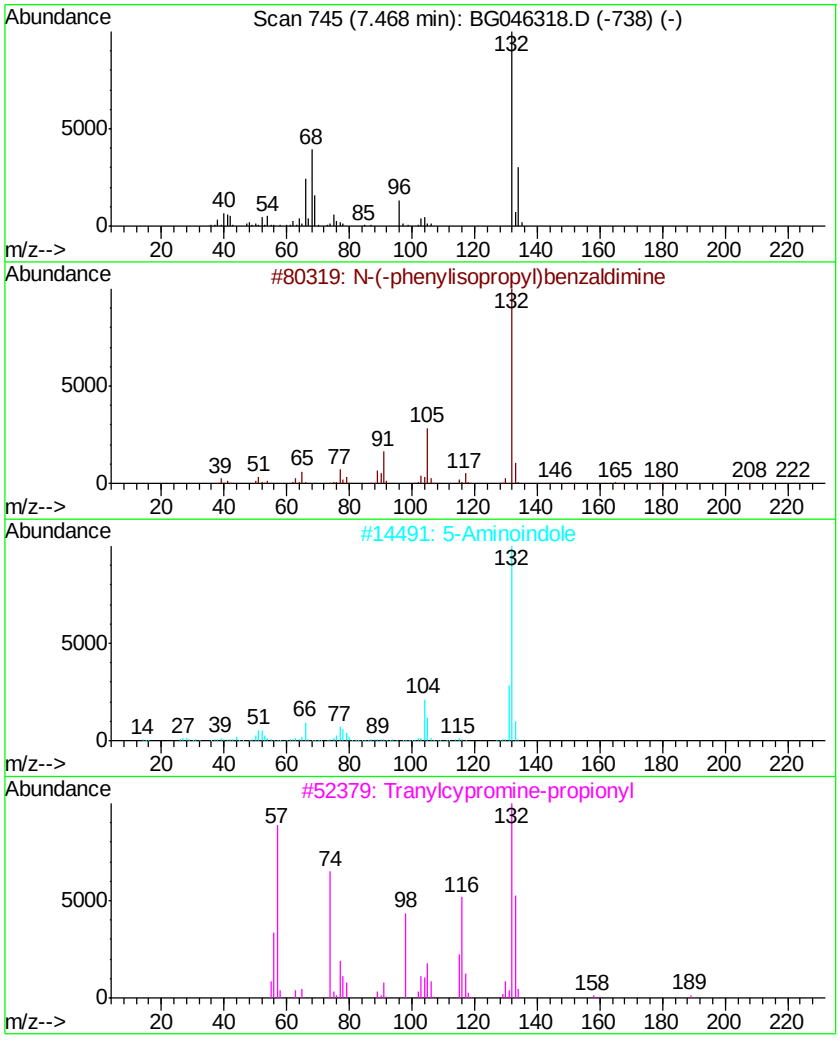
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

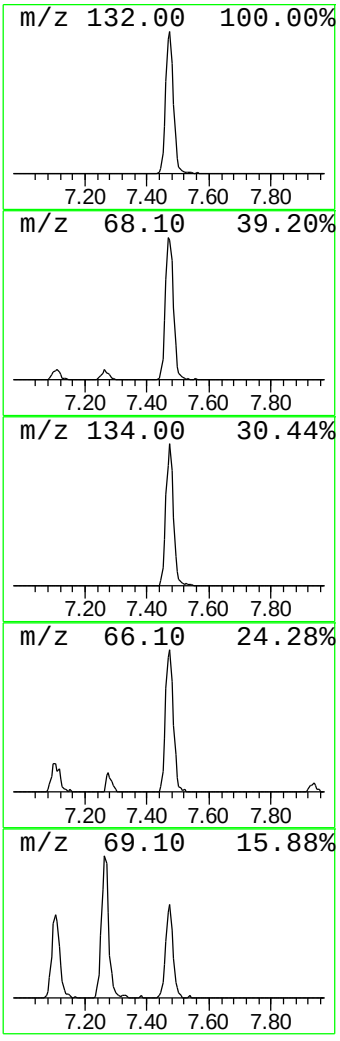
****

Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	12.07 ng/ul	280077	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	12
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

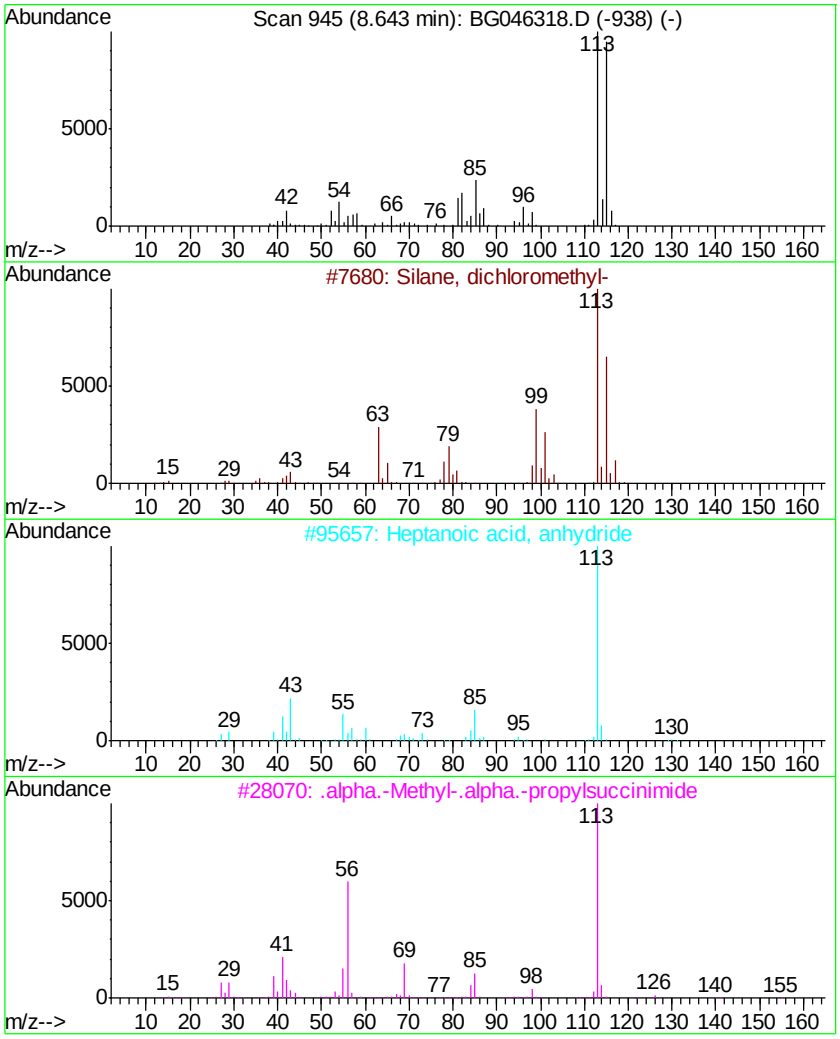
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

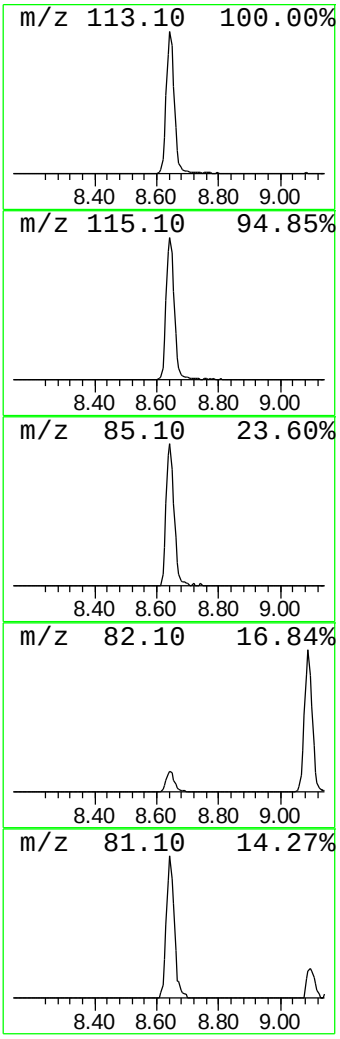
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	16.07 ng/ul	372846	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	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
3	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	25
4	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	25
5	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	25





Library Search Compound Report

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Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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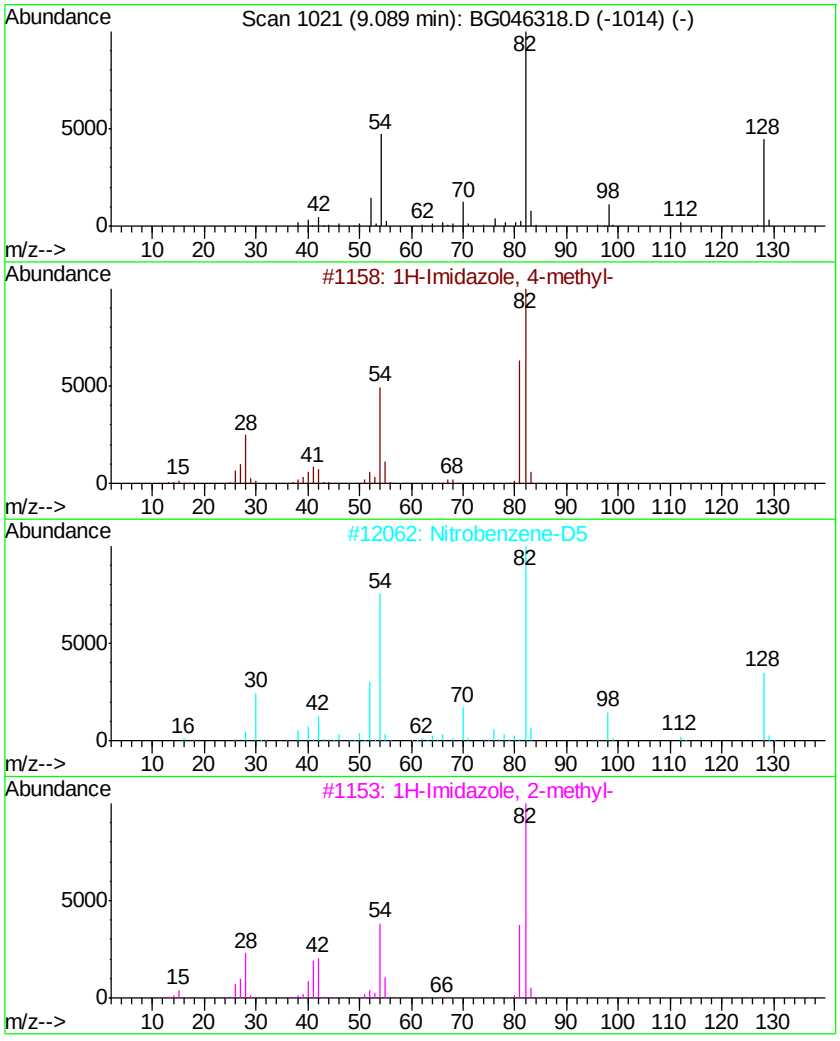
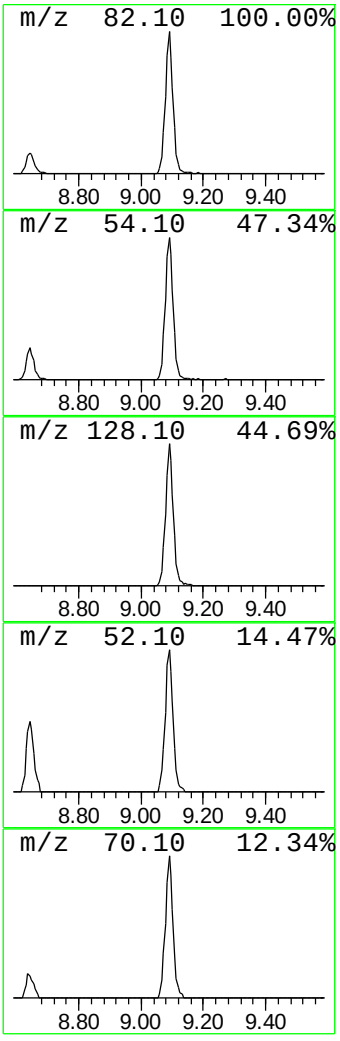
Peak Number 6 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	12.32 ng/ul	285735	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	38
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
4	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	37





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Operator : CG/JU
Sample : L3632-10
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Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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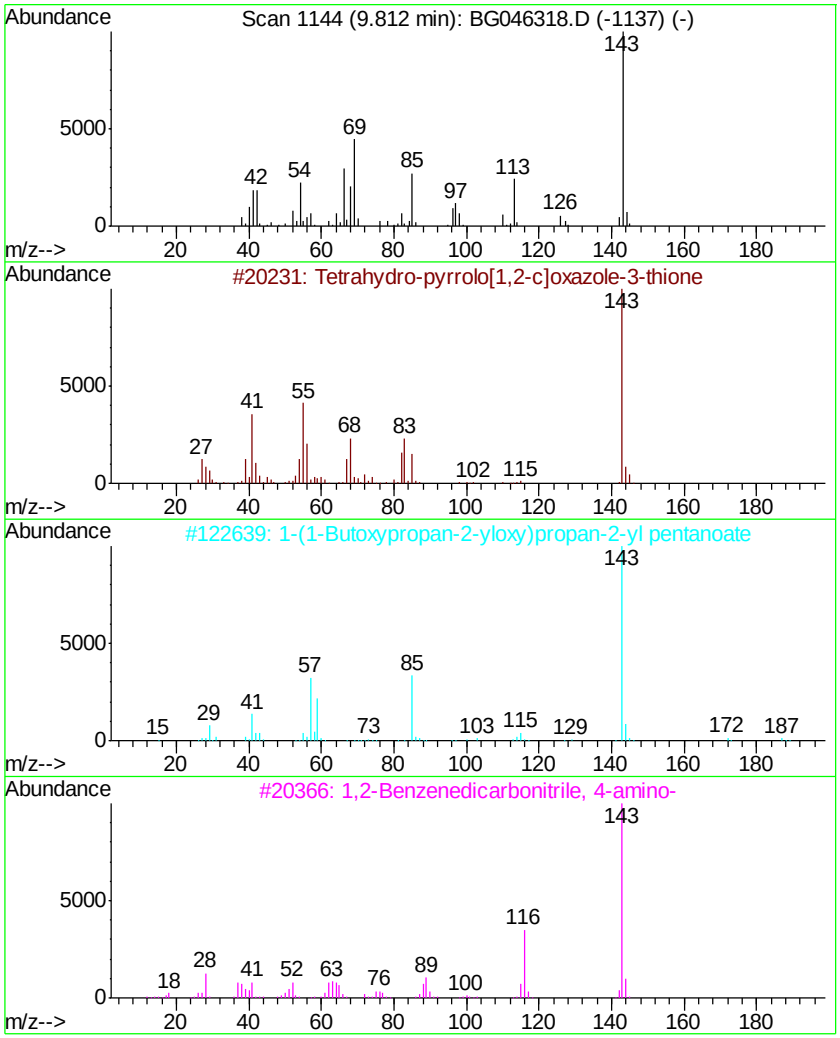
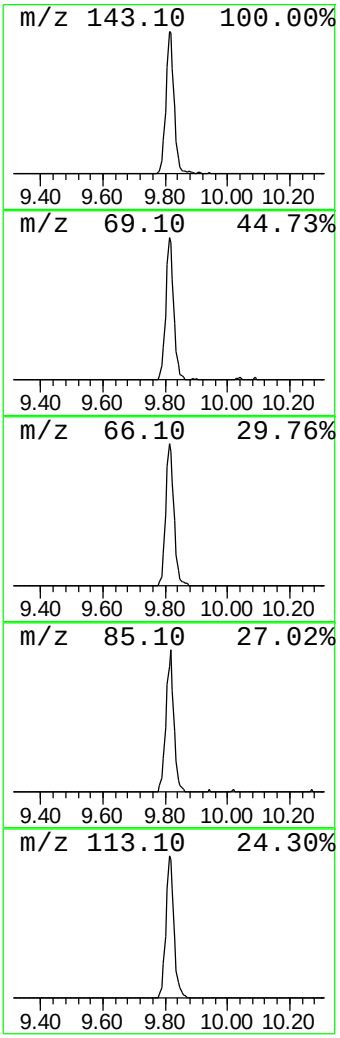
Peak Number 7 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	6.81 ng/ul	240131	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	35
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	22
3	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
5	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	12





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Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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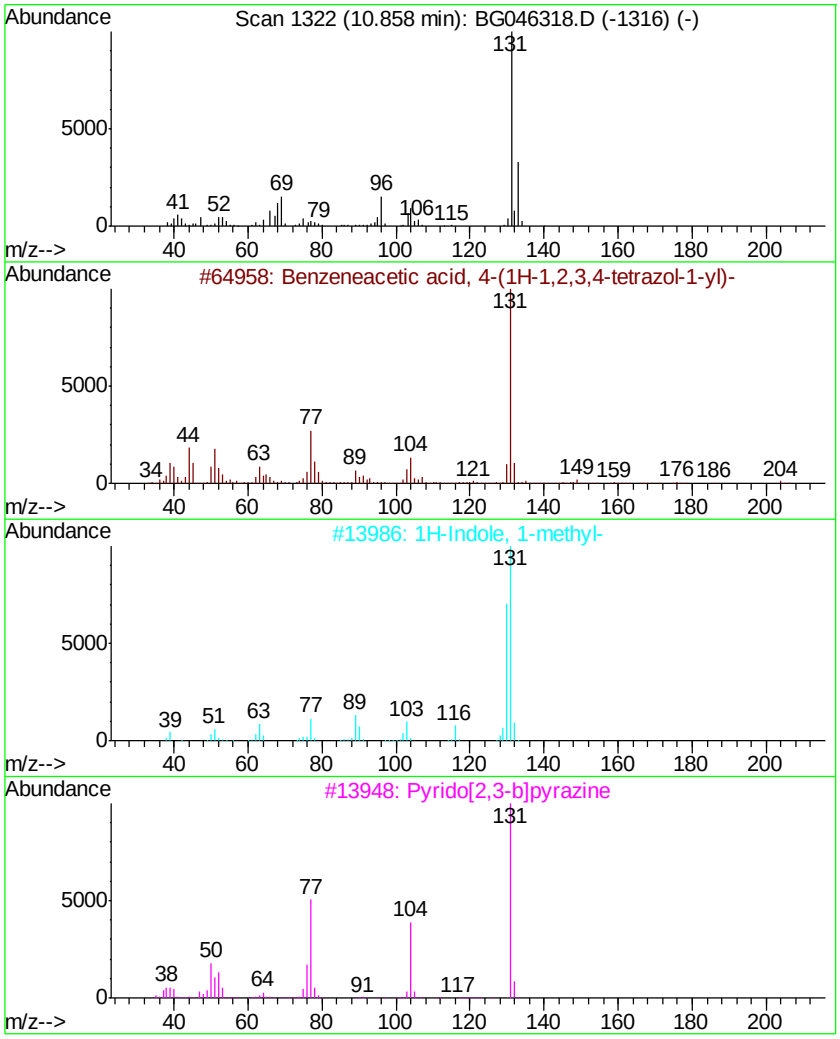
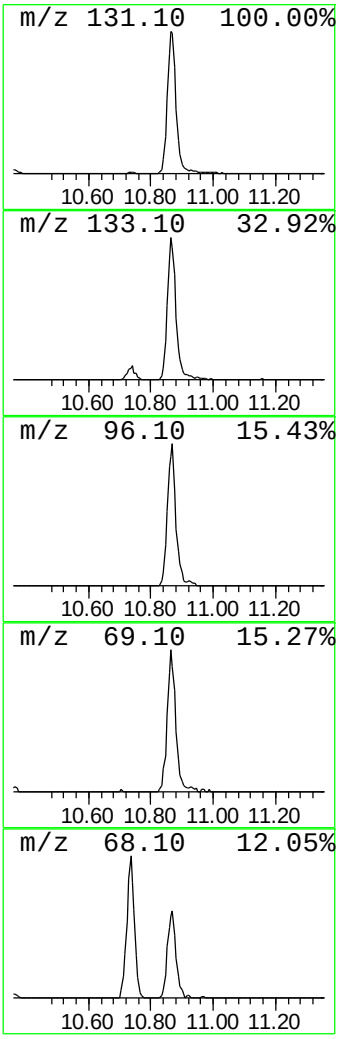
Peak Number 8 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	10.05 ng/ul	354507	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	9





Library Search Compound Report

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Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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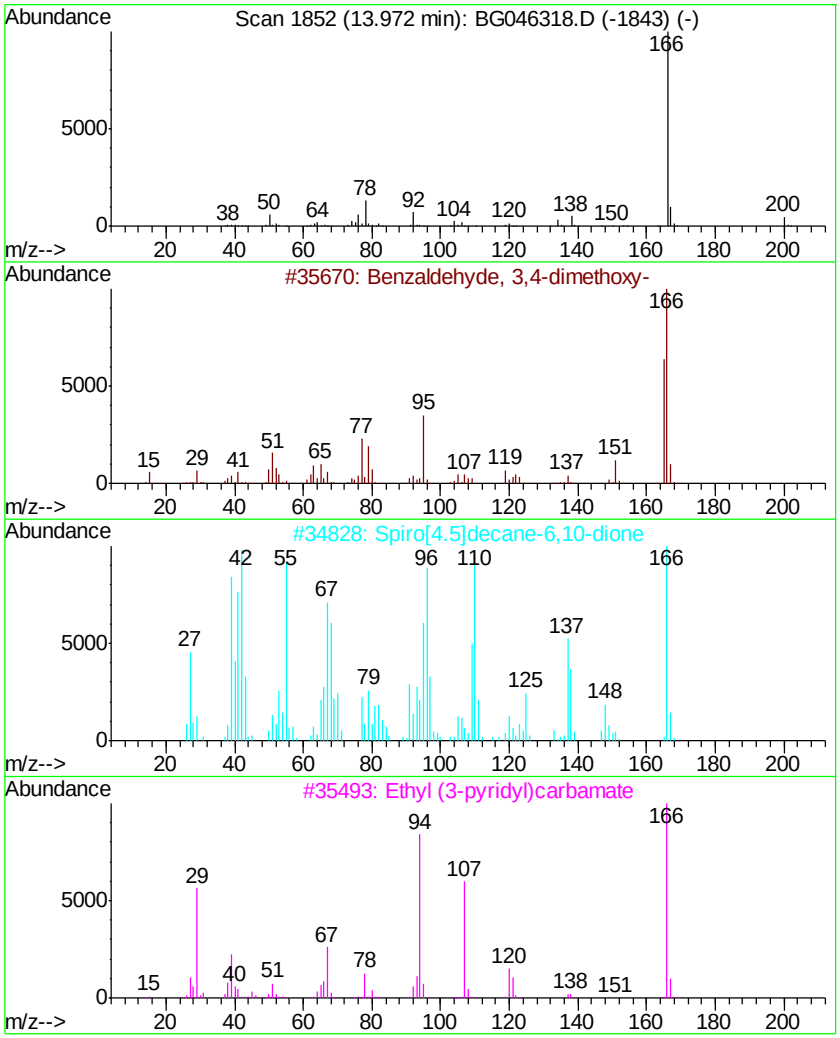
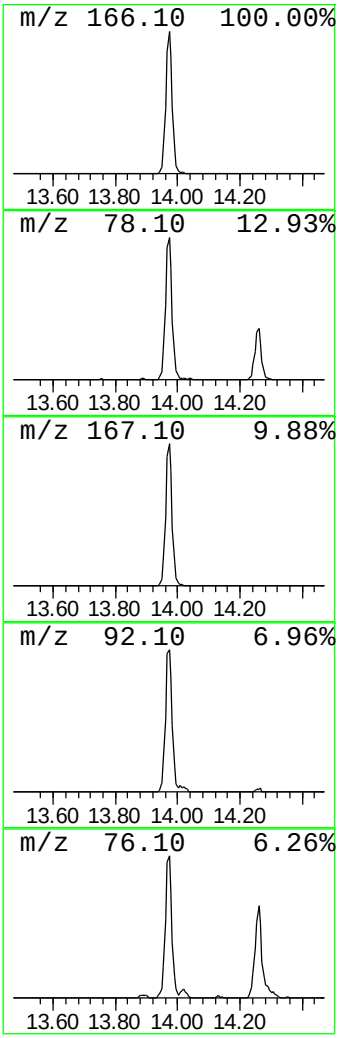
Peak Number 9 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	11.79 ng/ul	608389	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Spiro[4.5]decane-6,10-dione	166	C10H14O2	006684-66-8	40
3	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
4	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





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Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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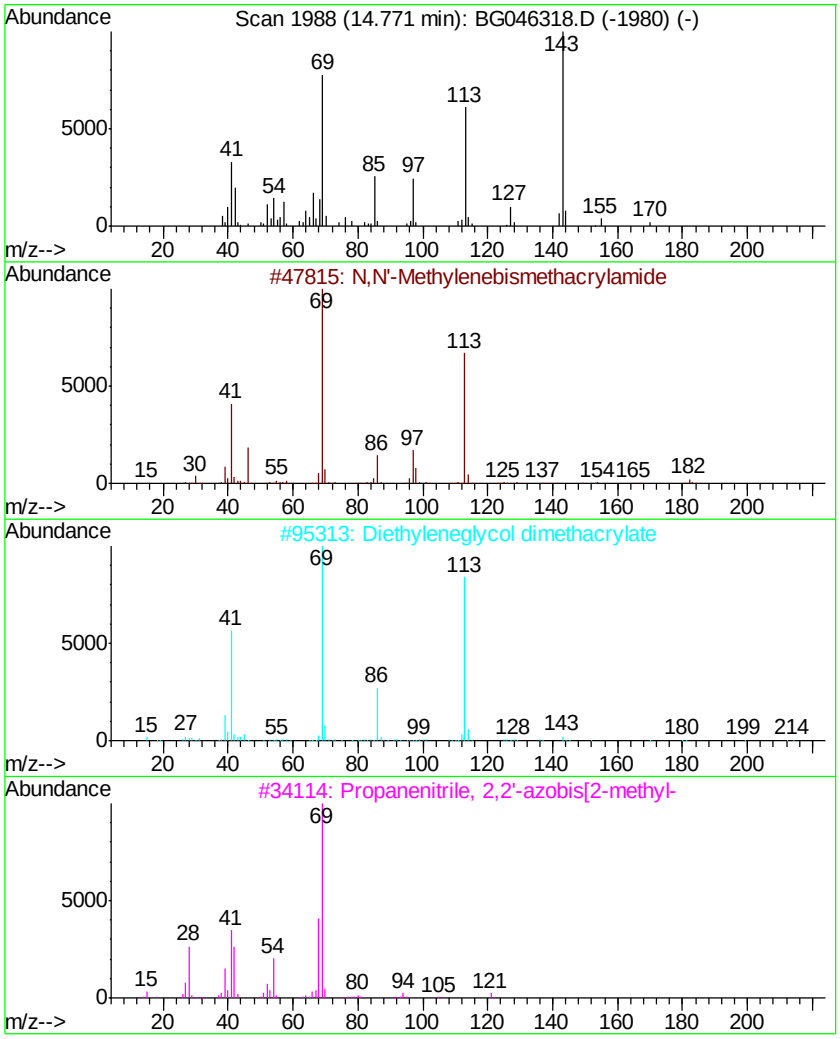
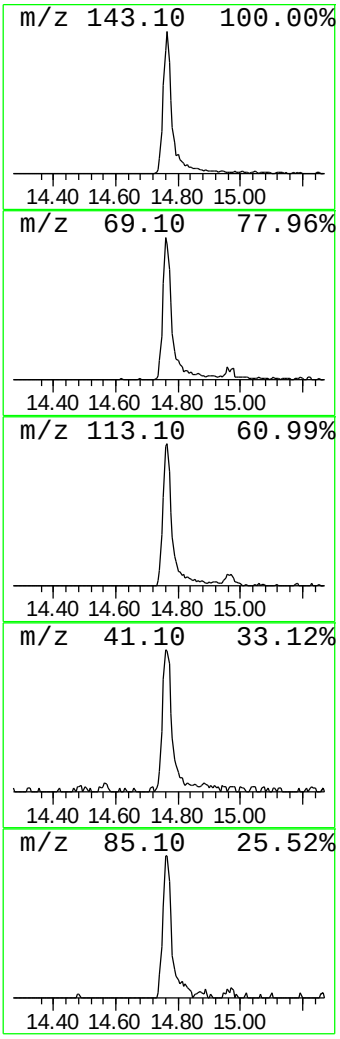
Peak Number 10 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	4.39 ng/ul	226305	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
2	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
3	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	22
4	4-Amino-2-chloro-6-methylpyrimidine	143	C5H6ClN3	014394-60-6	22
5	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16





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Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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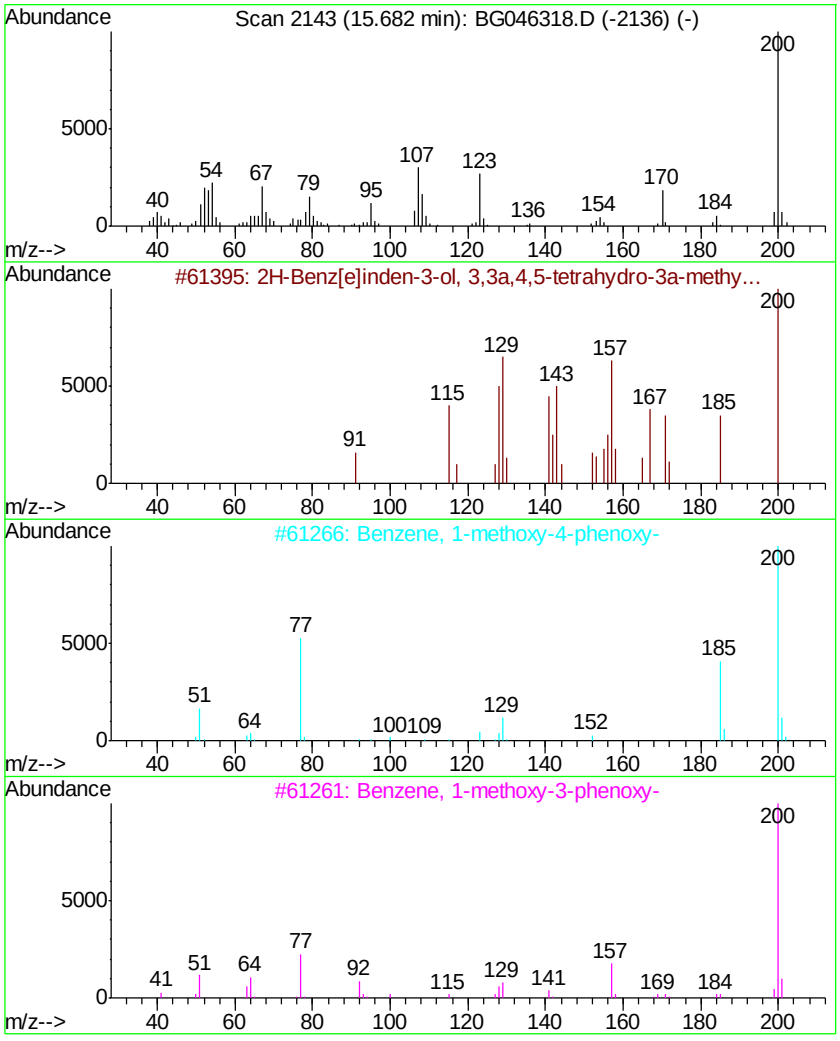
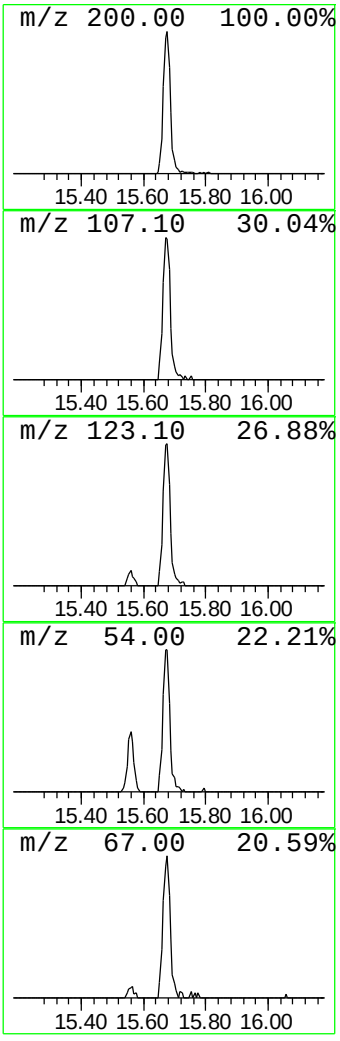
Peak Number 11 unknown-09 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.41 ng/ul	227283	Acenaphthene-d10	14.57

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	38
2	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
3	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	14
4	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	10
5	4,6(1H,5H)-Pyrimidinedione, 1,3-...	200	C8H12N2O2S	005217-47-0	9





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Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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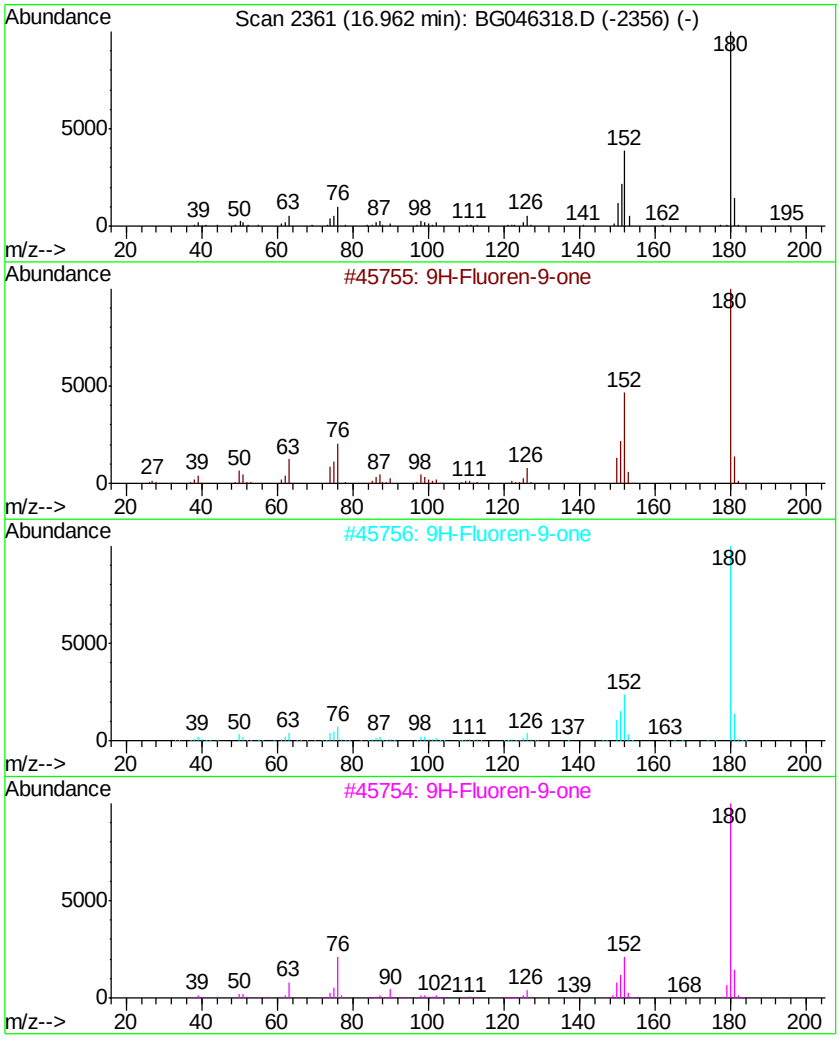
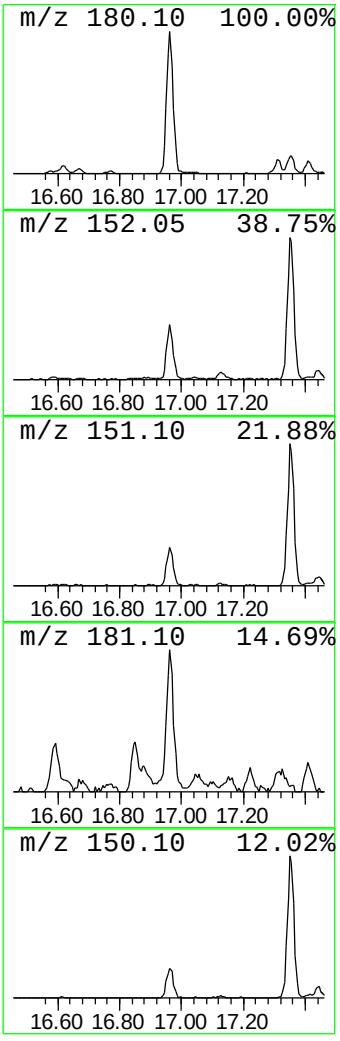
Peak Number 12 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.53 ng/ul	162224	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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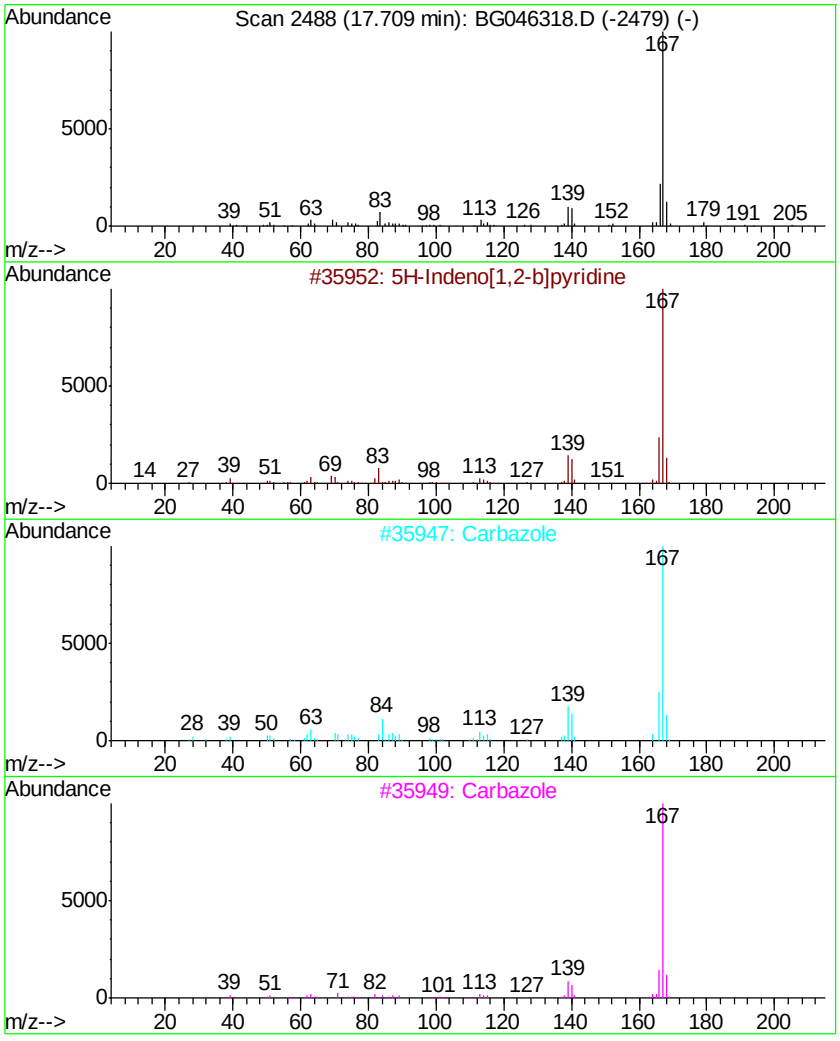
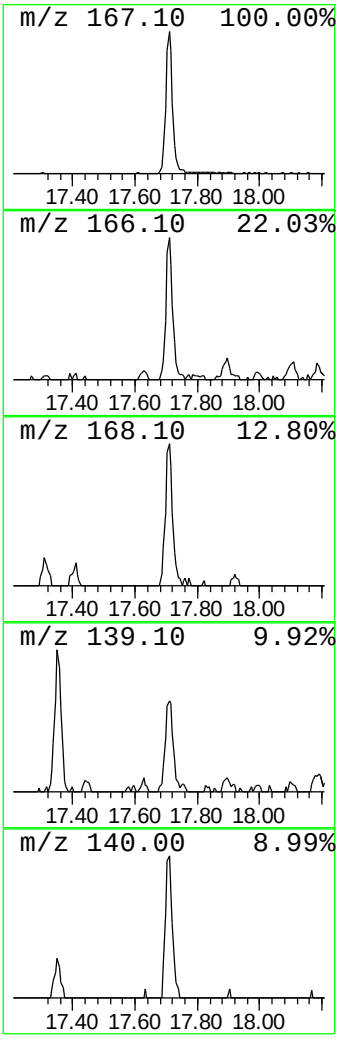
Peak Number 13 5H-Indeno[1,2-b]pyridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.14 ng/ul	137501	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	91
2	Carbazole	167	C12H9N	000086-74-8	91
3	Carbazole	167	C12H9N	000086-74-8	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	90
5	Carbazole	167	C12H9N	000086-74-8	86





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Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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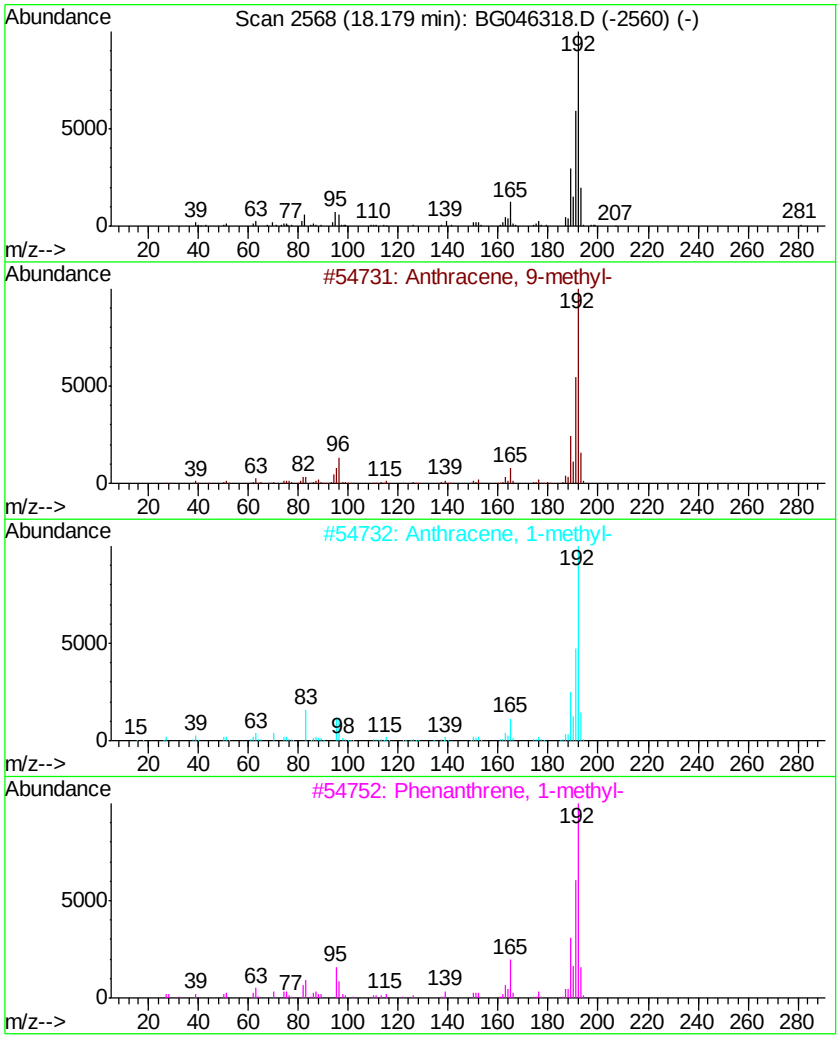
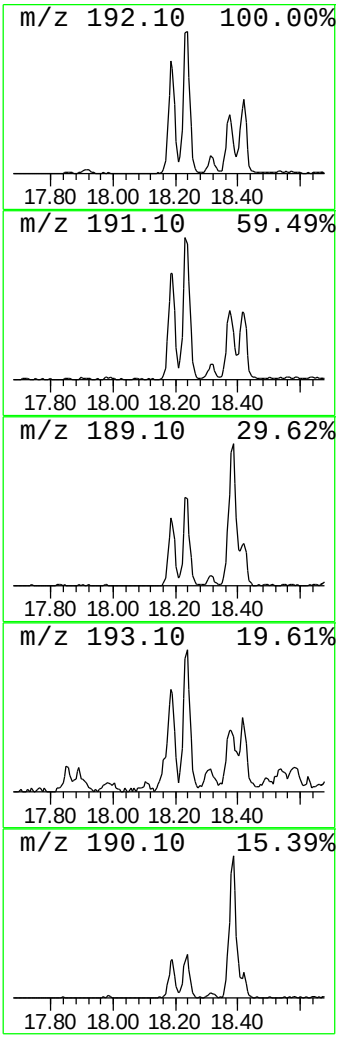
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.77 ng/ul	178204	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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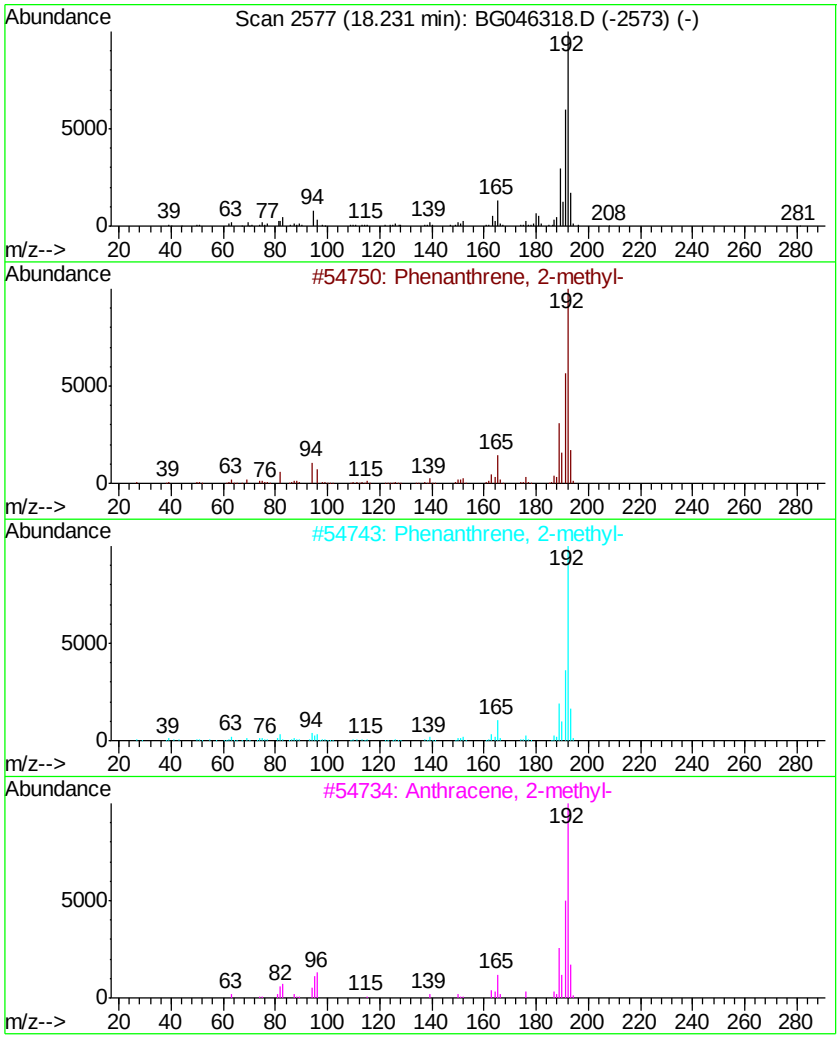
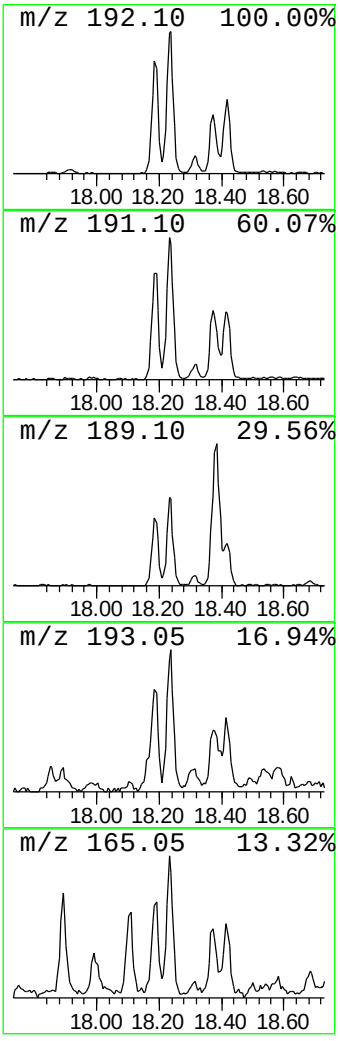
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.67 ng/ul	235472	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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Instrument : BNA_G
ClientSampleId : BFM88

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Quant Title : SVOA CALIBRATION

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

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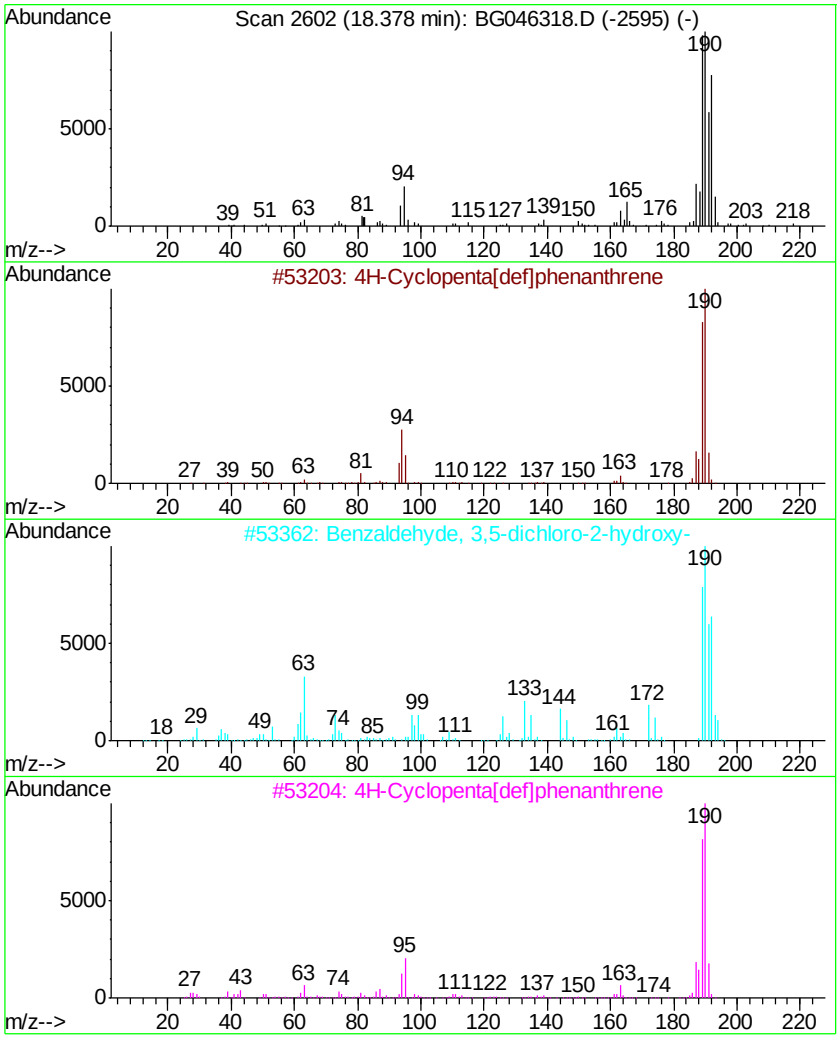
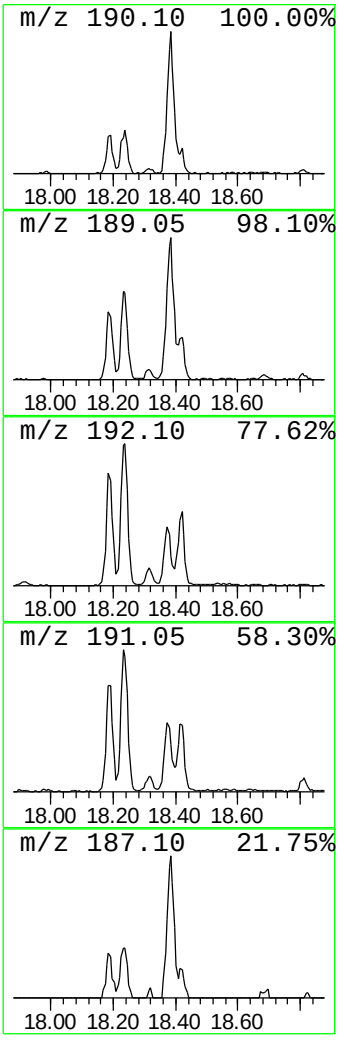
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.12 ng/ul	200642	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

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

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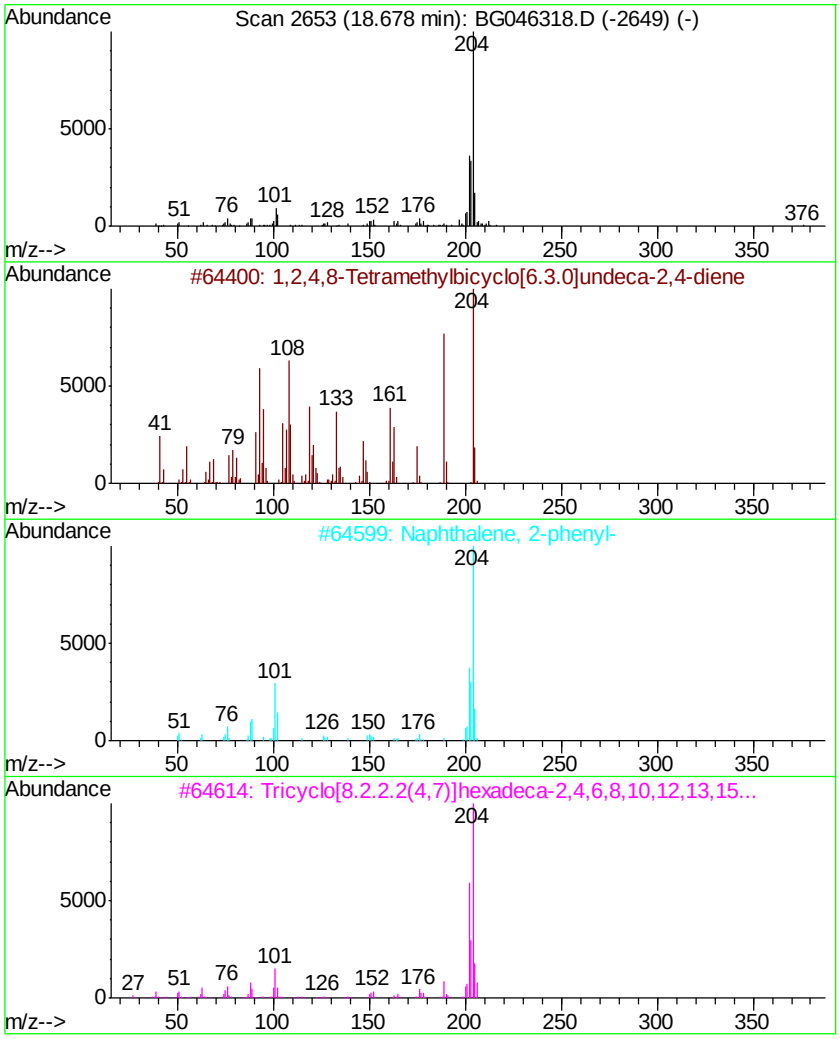
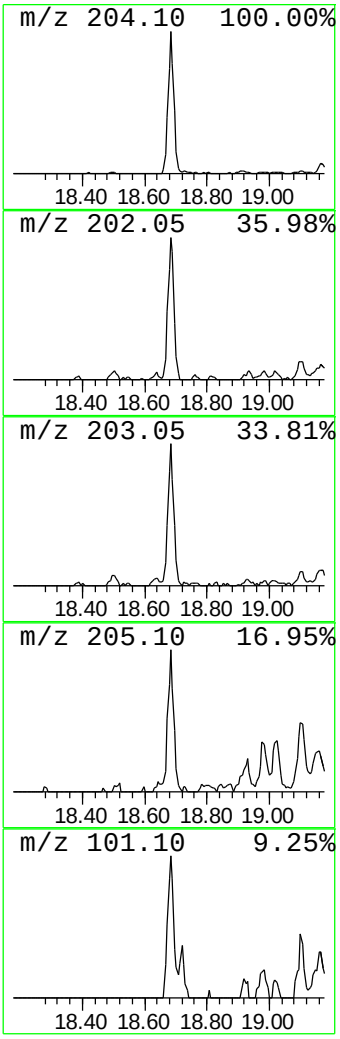
Peak Number 17 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.03 ng/ul	130339	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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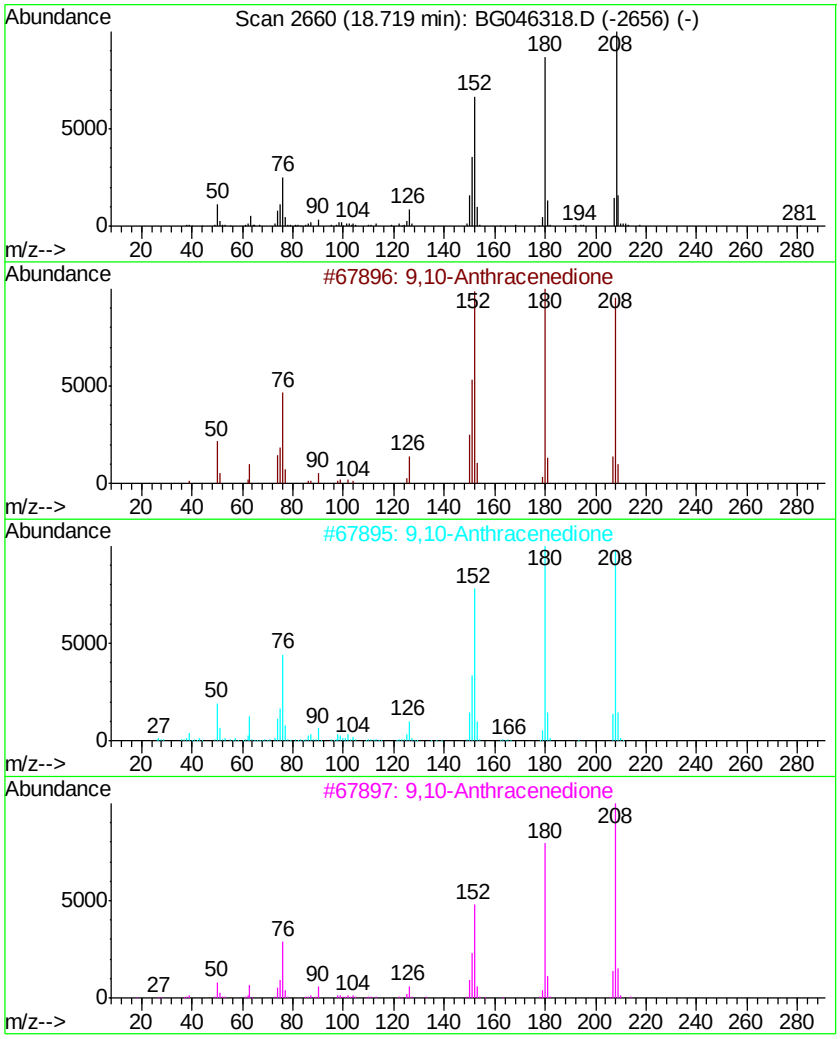
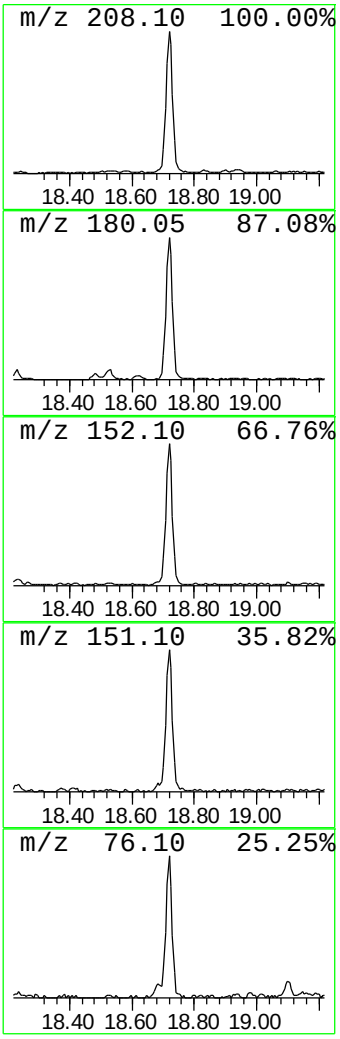
Peak Number 18 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.48 ng/ul	352134	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	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Library Search Compound Report

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Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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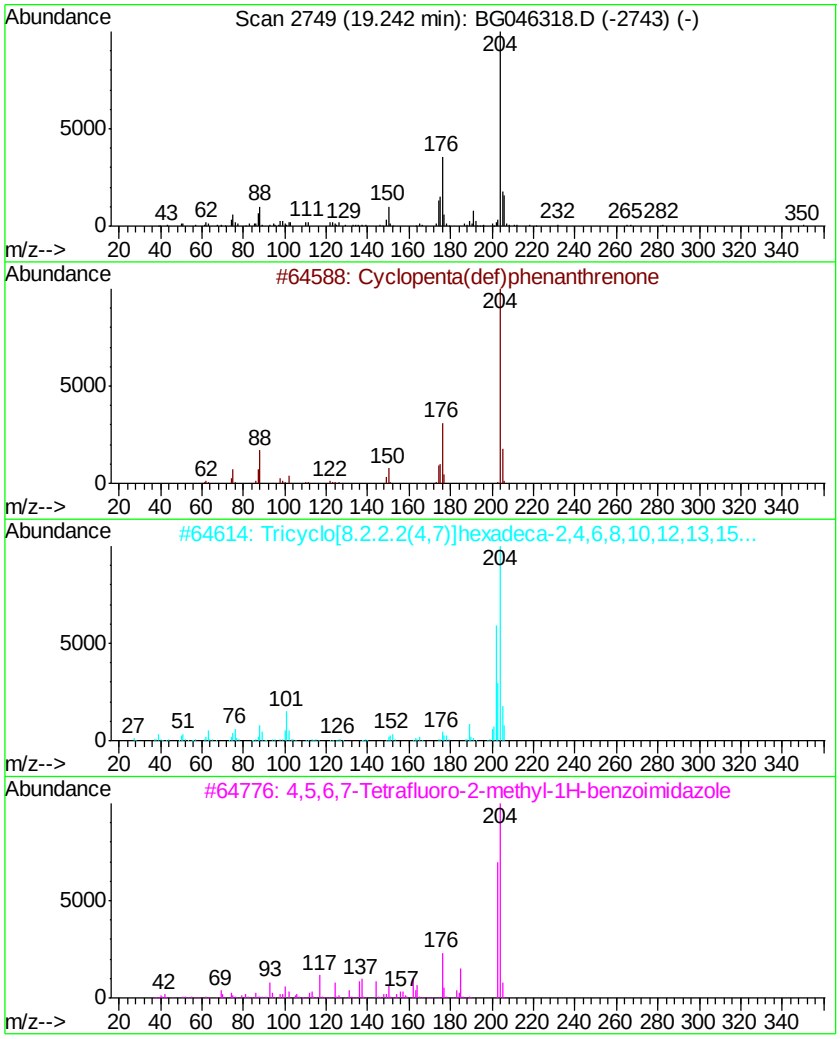
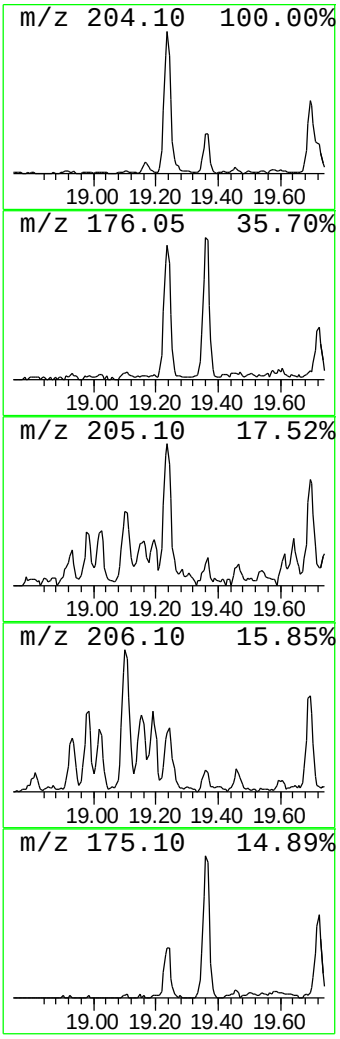
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.39 ng/ul	153467	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
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 : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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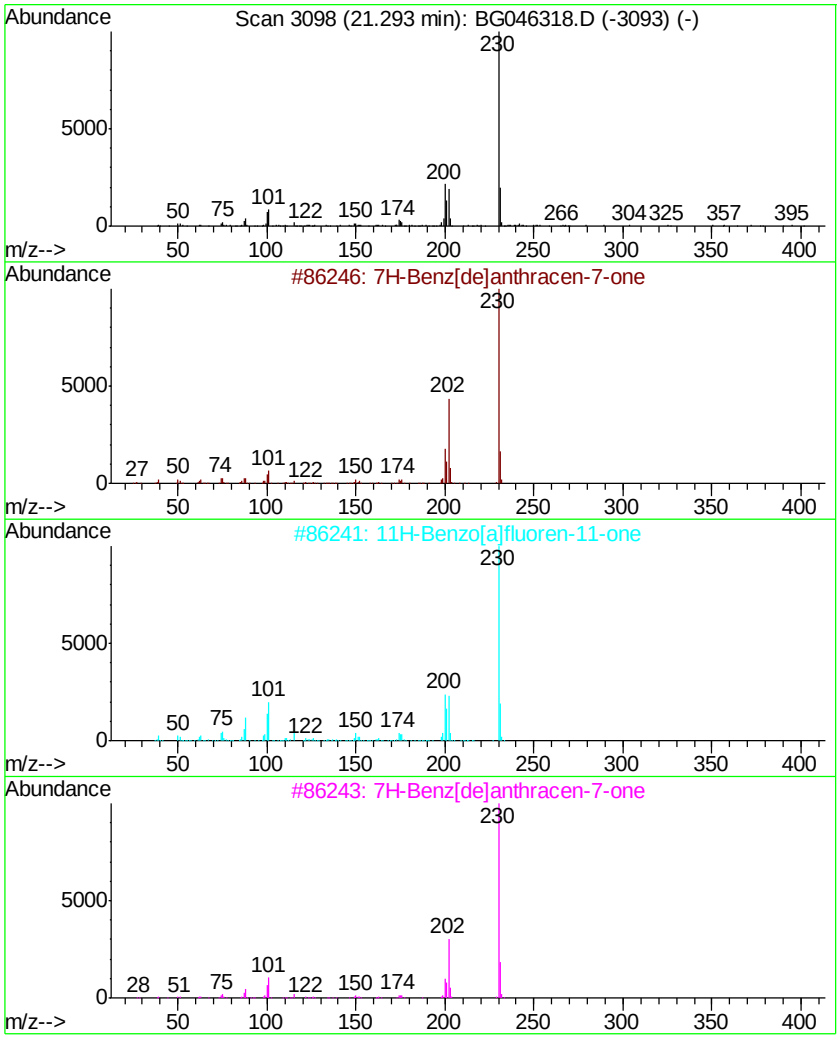
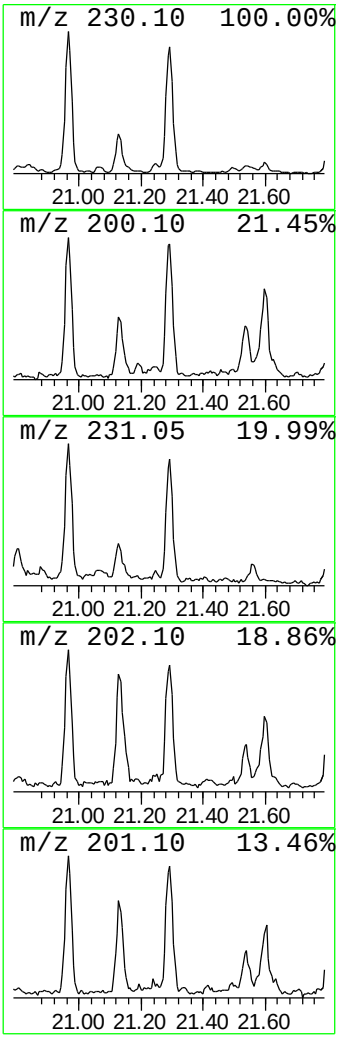
Peak Number 20 7H-Benz[de]anthracen-7-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.00 ng/ul	203343	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
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	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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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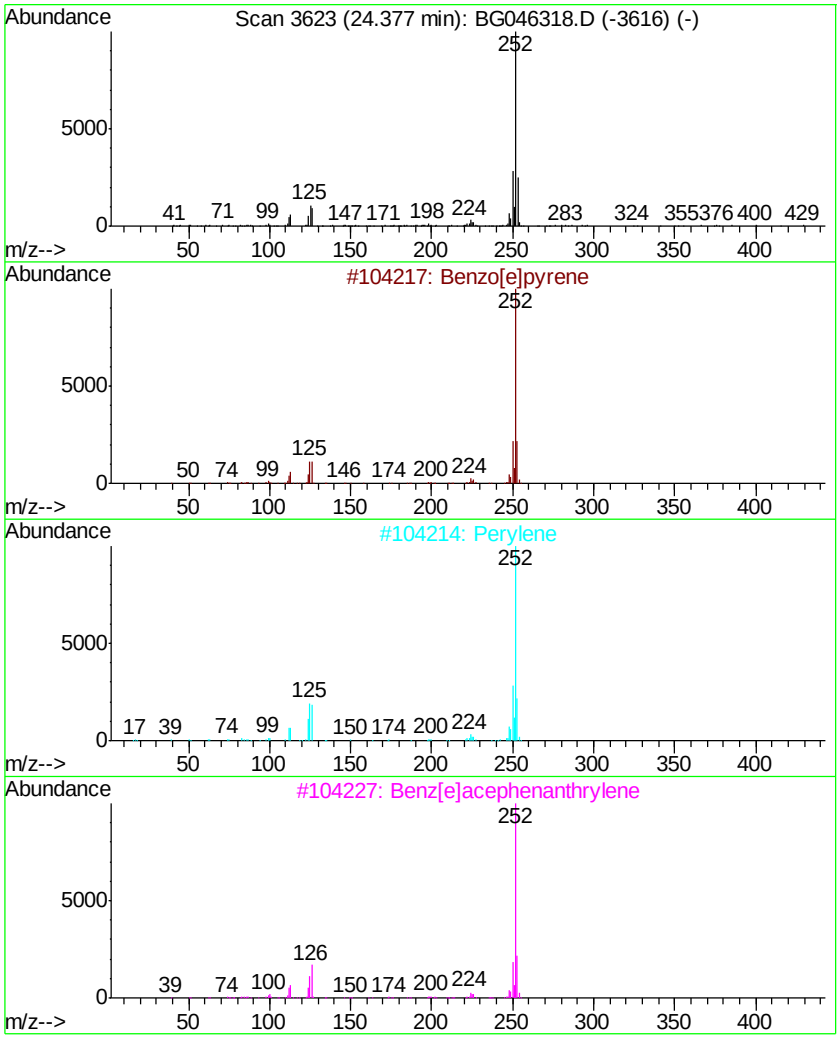
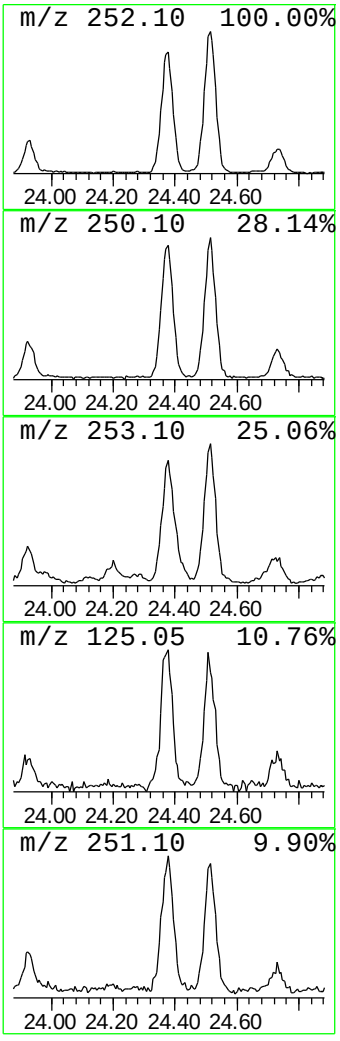
Peak Number 21 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	3.77 ng/ul	286272	Perylene-d12	24.66

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

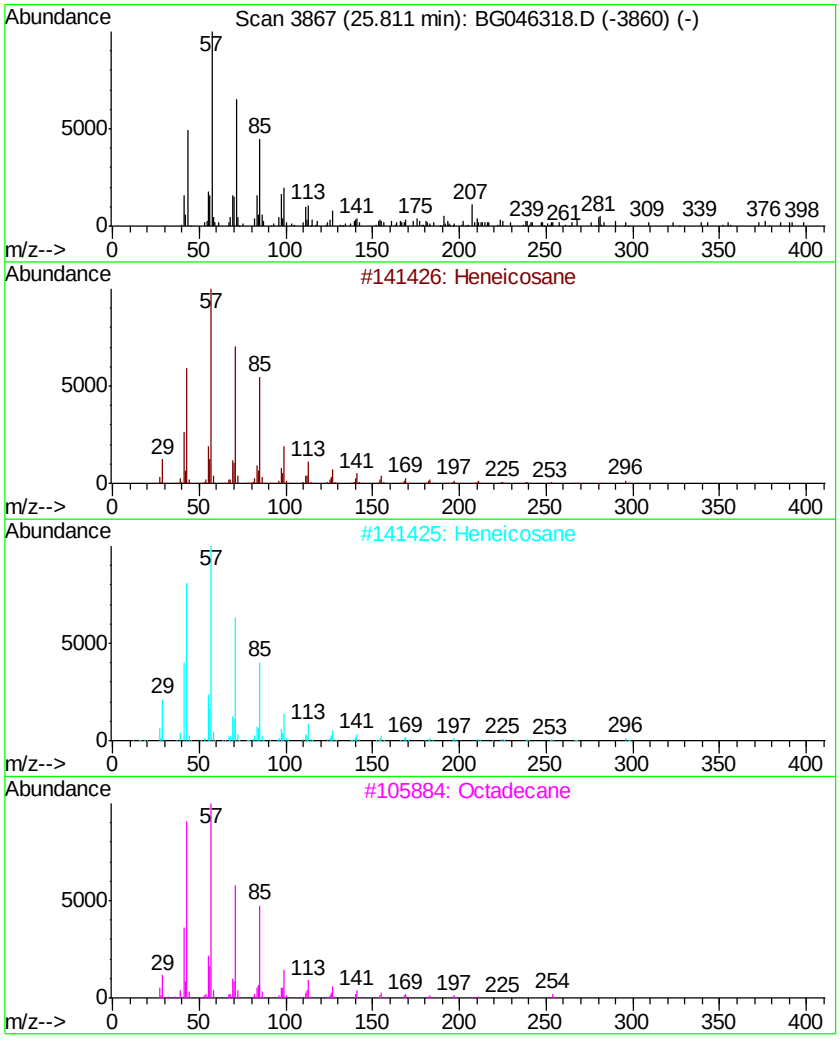
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

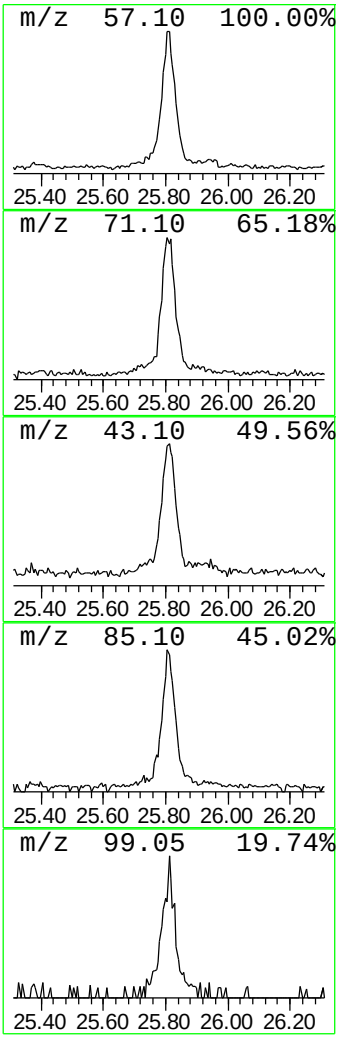
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	2.18 ng/ul	165393	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heneicosane	296	C21H44	000629-94-7	93
3	Octadecane	254	C18H38	000593-45-3	92
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	90
5	Heneicosane	296	C21H44	000629-94-7	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046318.D
Acq On : 18 Aug 2020 8:26
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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	86.1	ng/ul	1996670	1	7.94	463962	20.0
4H-Imidazol-4-one...	7.10	12.3	ng/ul	285391	1	7.94	463962	20.0
unknown-01	7.26	9.6	ng/ul	221557	1	7.94	463962	20.0
unknown-02	7.47	12.1	ng/ul	280077	1	7.94	463962	20.0
unknown-03	8.64	16.1	ng/ul	372846	1	7.94	463962	20.0
unknown-04	9.09	12.3	ng/ul	285735	1	7.94	463962	20.0
unknown-05	9.81	6.8	ng/ul	240131	2	10.73	705679	20.0
unknown-06	10.86	10.1	ng/ul	354507	2	10.73	705679	20.0
unknown-07	13.97	11.8	ng/ul	608389	3	14.57	1031770	20.0
unknown-08	14.77	4.4	ng/ul	226305	3	14.57	1031770	20.0
unknown-09	15.68	4.4	ng/ul	227283	3	14.57	1031770	20.0
9H-Fluoren-9-one	16.96	2.5	ng/ul	162224	4	17.31	1284510	20.0
5H-Indeno[1,2-b]p...	17.71	2.1	ng/ul	137501	4	17.31	1284510	20.0
Anthracene, 9-met...	18.18	2.8	ng/ul	178204	4	17.31	1284510	20.0
Phenanthrene, 2-m...	18.23	3.7	ng/ul	235472	4	17.31	1284510	20.0
4H-Cyclopenta[def...	18.38	3.1	ng/ul	200642	4	17.31	1284510	20.0
1,2,4,8-Tetrameth...	18.68	2.0	ng/ul	130339	4	17.31	1284510	20.0
9,10-Anthracenedione	18.72	5.5	ng/ul	352134	4	17.31	1284510	20.0
Cyclopenta(def)ph...	19.24	2.4	ng/ul	153467	4	17.31	1284510	20.0
7H-Benz[de]anthra...	21.29	2.0	ng/ul	203343	5	21.56	2032780	20.0
Benzo[e]pyrene	24.38	3.8	ng/ul	286272	6	24.66	1520280	20.0
(DEL) Alkane: Str...	25.81	2.2	ng/ul	165393	6	24.66	1520280	20.0