LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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	3.141	4	9	24	rVB	1432331	2230869	93.48%	8.152%
2	3.405	49	54	59	rBV3	6567	10881	0.46%	0.040%
3	3.822	121	125	131	rVB	8299	11785	0.49%	0.043%
4	3.916	135	141	150	rBV2	37296	60119	2.52%	0.220%
5	3.993	150	154	159	rVV2	5815	8573	0.36%	0.031%
6	4.052	159	164	174	rVB	13980	25573	1.07%	0.093%
7	5.050	329	334	338	rBV	11042	17002	0.71%	0.062%
8	5.144	344	350	356	rBV5	5123	9173	0.38%	0.034%
9	7.113	676	685	693	rBV	119964	234759	9.84%	0.858%
10	7.265	703	711	720	rBV	109383	182631	7.65%	0.667%
11	7.477	740	747	759	rVB	139432	241656	10.13%	0.883%
12	7.941	817	826	834	rBV	287251	476697	19.98%	1.742%
13	8.646	939	946	955	rBV2	103847	192839	8.08%	0.705%
14	9.093	1015	1022	1029	rBV	134049	235489	9.87%	0.861%
15	9.815	1138	1145	1153	rBV	112119	200065	8.38%	0.731%
16	10.362	1230	1238	1250	rBV	171570	319041	13.37%	1.166%
17	10.738	1292	1302	1308	rBV	407332	732553	30.70%	2.677%
18	10.785	1308	1310	1317	rVB	7948	11413	0.48%	0.042%
19	10.867	1317	1324	1340	rBV	108466	220251	9.23%	0.805%
20	12.395	1580	1584	1590	rBV3	4669	7736	0.32%	0.028%
21	12.612	1616	1621	1627	rVB	4870	8057	0.34%	0.029%
22	13.887	1834	1838	1844	rVB2	4706	7925	0.33%	0.029%
23	13.969	1844	1852	1857	rBV	371920	544781	22.83%	1.991%
24	14.016	1857	1860	1865	rVB	62501	85806	3.60%	0.314%
25	14.257	1895	1901	1916	rBV	396197	673264	28.21%	2.460%
26	14.569	1945	1954	1961	rBV2	687120	1062091	44.51%	3.881%
27	14.627	1961	1964	1969	rVB3	7778	11992	0.50%	0.044%
28	14.768	1982	1988	2001	rBV	87444	174642	7.32%	0.638%
29	14.968	2017	2022	2030	rVB2	9190	16810	0.70%	0.061%
30	15.045	2030	2035	2041	rVB3	4488	8223	0.34%	0.030%
31	15.562	2115	2123	2129	rBV	558681	858052	35.96%	3.136%
32	15.614	2129	2132	2138	rVB3	18000	21971	0.92%	0.080%
33	15.679	2138	2143	2152	rBV	102066	156719	6.57%	0.573%
34	15.908	2177	2182	2190	rVB5	8202	14828	0.62%	0.054%

LSC Area Percent Report

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Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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	16.061	2200	2208	2216	rVB4	8501	19120	0.80%	0.070%
36	16.290	2241	2247	2251	rVV3	9355	18968	0.79%	0.069%
37	16.625	2300	2304	2309	rVB6	5566	8466	0.35%	0.031%
38	16.666	2309	2311	2318	rVB6	5463	8325	0.35%	0.030%
39	16.854	2339	2343	2347	rBV3	13899	20811	0.87%	0.076%
40	16.966	2357	2362	2369	rVB2	20116	37931	1.59%	0.139%
41	17.042	2369	2375	2380	rBV5	9864	23394	0.98%	0.085%
42	17.124	2386	2389	2397	rVB	10801	18744	0.79%	0.068%
43	17.313	2414	2421	2425	rBV	813457	1276049	53.47%	4.663%
44	17.354	2425	2428	2432	rVV	268080	358800	15.04%	1.311%
45	17.412	2432	2438	2449	rVV	567808	927477	38.86%	3.389%
46	17.501	2449	2453	2459	rVV7	8681	16318	0.68%	0.060%
47	17.706	2481	2488	2492	rBV2	20321	39668	1.66%	0.145%
48	17.753	2494	2496	2500	rVV5	7095	10074	0.42%	0.037%
49	17.830	2504	2509	2514	rVV4	13930	20933	0.88%	0.076%
50	17.888	2514	2519	2524	rVV5	11714	20126	0.84%	0.074%
51	17.988	2531	2536	2540	rBV6	5350	8958	0.38%	0.033%
52	18.106	2552	2556	2561	rBV4	8805	12398	0.52%	0.045%
53	18.188	2565	2570	2574	rBV	63446	109669	4.60%	0.401%
54	18.235	2574	2578	2587	rVB	85347	134210	5.62%	0.490%
55	18.317	2587	2592	2597	rBV	18063	28139	1.18%	0.103%
56	18.382	2597	2603	2607	rBV2	72810	149481	6.26%	0.546%
57	18.417	2607	2609	2616	rVB	47116	57837	2.42%	0.211%
58	18.499	2618	2623	2626	rBV6	12003	20300	0.85%	0.074%
59	18.535	2626	2629	2633	rVV4	14241	18401	0.77%	0.067%
60	18.582	2634	2637	2641	rVB4	13557	17782	0.75%	0.065%
61	18.687	2650	2655	2657	rBV	55065	89238	3.74%	0.326%
62	18.717	2657	2660	2667	rVB2	186537	269263	11.28%	0.984%
63	18.899	2688	2691	2693	rBV3	8554	10578	0.44%	0.039%
64	18.928	2693	2696	2701	rVB3	23033	28707	1.20%	0.105%
65	18.981	2701	2705	2708	rBV	23887	29193	1.22%	0.107%
66	19.022	2708	2712	2715	rVB2	21033	27091	1.14%	0.099%
67	19.069	2715	2720	2721	rBV5	12140	14739	0.62%	0.054%
68	19.105	2721	2726	2730	rBV	61467	94122	3.94%	0.344%
69	19.240	2744	2749	2757	rBV	52042	91526	3.84%	0.334%
70	19.363	2757	2770	2775	rBV	620471	900923	37.75%	3.292%
71	19.469	2784	2788	2791	rVB5	34694	45638	1.91%	0.167%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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

72	19.510	2791	2795	2799	rBV	94989	121041	5.07%	0.442%
73	19.557	2800	2803	2806	rBV3	19269	27161	1.14%	0.099%
74	19.698	2819	2827	2829	rBV	899060	1470609	61.62%	5.374%
75	19.721	2829	2831	2839	rVV	599897	781276	32.74%	2.855%
76	19.798	2840	2844	2851	rVV2	36029	59740	2.50%	0.218%
77	19.904	2857	2862	2868	rBV	32398	62174	2.61%	0.227%
78	19.956	2868	2871	2877	rVB3	25888	40882	1.71%	0.149%
79	20.027	2878	2883	2894	rBV	1643264	2386425	100.00%	8.721%
80	20.180	2905	2909	2910	rBV4	39379	44510	1.87%	0.163%
81	20.215	2912	2915	2919	rVB	83608	111422	4.67%	0.407%
82	20.309	2927	2931	2936	rBV2	36648	65744	2.75%	0.240%
83	20.374	2938	2942	2946	rVB2	70119	110814	4.64%	0.405%
84	20.515	2962	2966	2970	rBV	48849	69458	2.91%	0.254%
85	20.562	2970	2974	2978	rVV	49152	67456	2.83%	0.247%
86	20.967	3039	3043	3052	rVB	86893	134839	5.65%	0.493%
87	21.190	3078	3081	3083	rBV	52182	62658	2.63%	0.229%
88	21.220	3083	3086	3094	rVV3	288232	502515	21.06%	1.836%
89	21.290	3095	3098	3106	rVB	75665	126328	5.29%	0.462%
90	21.560	3135	3144	3148	rBV2	948140	1925056	80.67%	7.035%
91	21.602	3148	3151	3160	rVB	289520	463792	19.43%	1.695%
92	22.365	3274	3281	3296	rVB7	86336	303114	12.70%	1.108%
93	23.687	3499	3506	3514	rBV3	209029	665457	27.89%	2.432%
94	23.805	3522	3526	3531	rBV	81878	140569	5.89%	0.514%
95	23.864	3532	3536	3543	rVB2	87913	176595	7.40%	0.645%
96	24.381	3619	3624	3629	rBV	92538	192716	8.08%	0.704%
97	24.457	3630	3637	3643	rVV	372594	938002	39.31%	3.428%
98	24.522	3644	3648	3661	rVB	175571	417496	17.49%	1.526%
99	24.669	3665	3673	3693	rVB	509265	1519612	63.68%	5.553%
100	25.808	3860	3867	3876	rVB3	106519	319458	13.39%	1.167%

Sum of corrected areas: 27364582

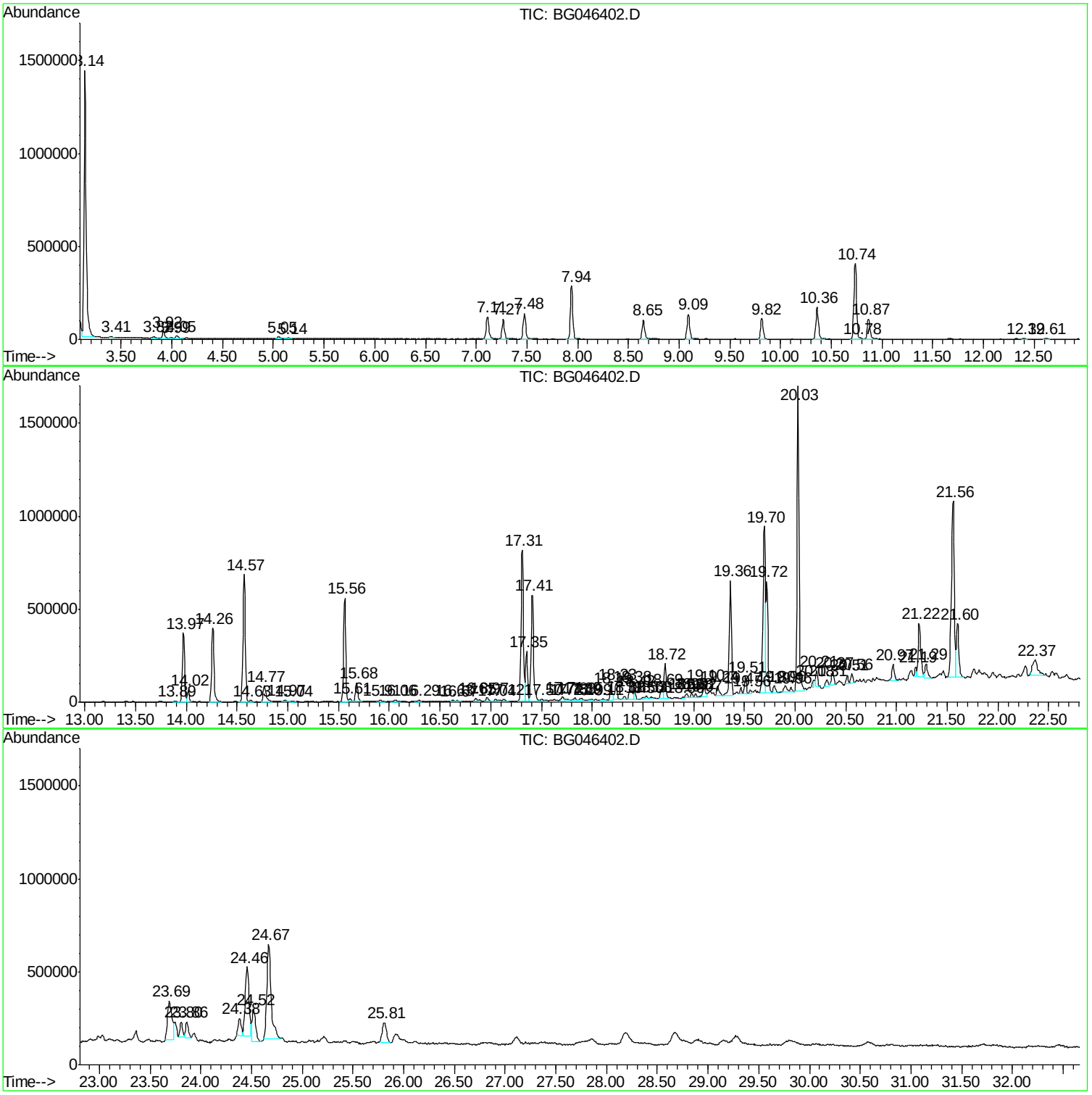
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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 : BG046402.D
Acq On : 21 Aug 2020 7:20
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Misc :
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Instrument : BNA_G
ClientSampleId : BFMH4

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

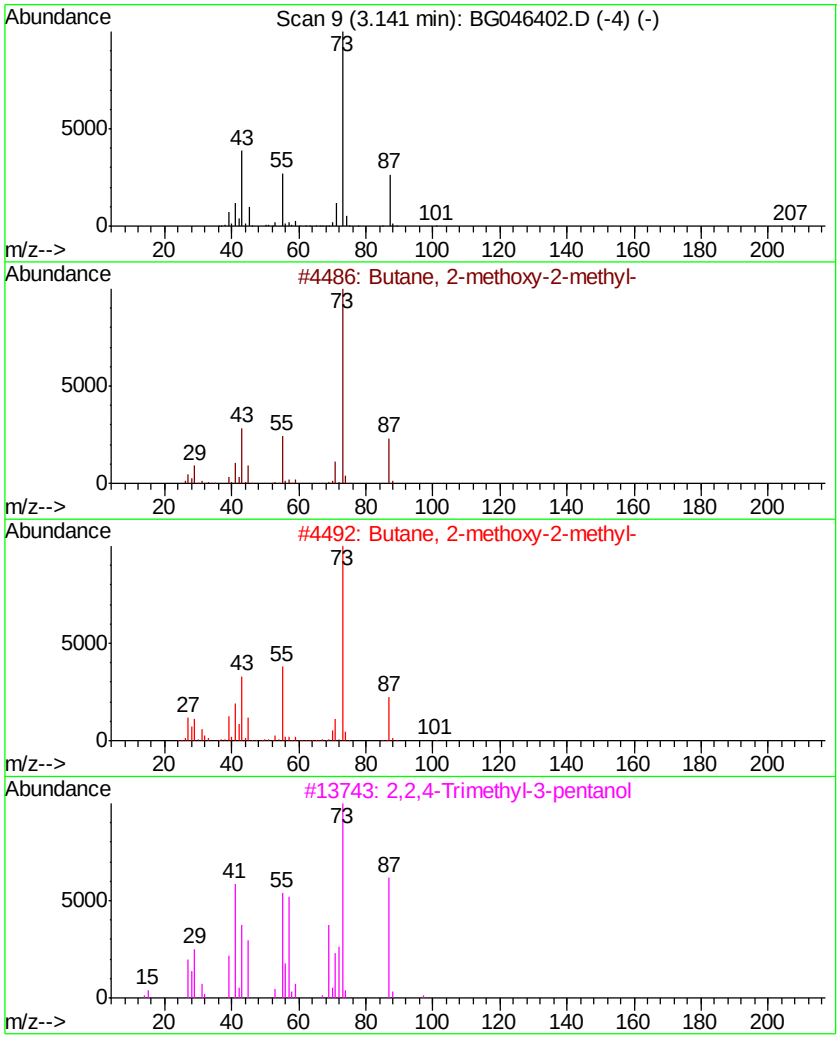
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

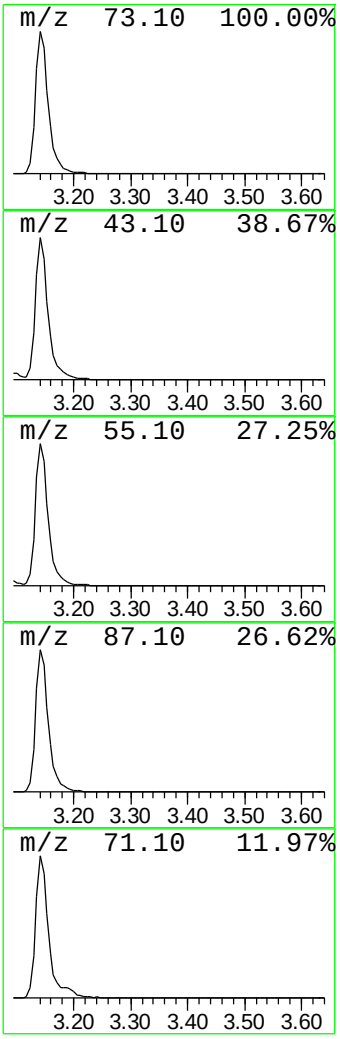
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	93.60 ng/ul	2230870	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	42
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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

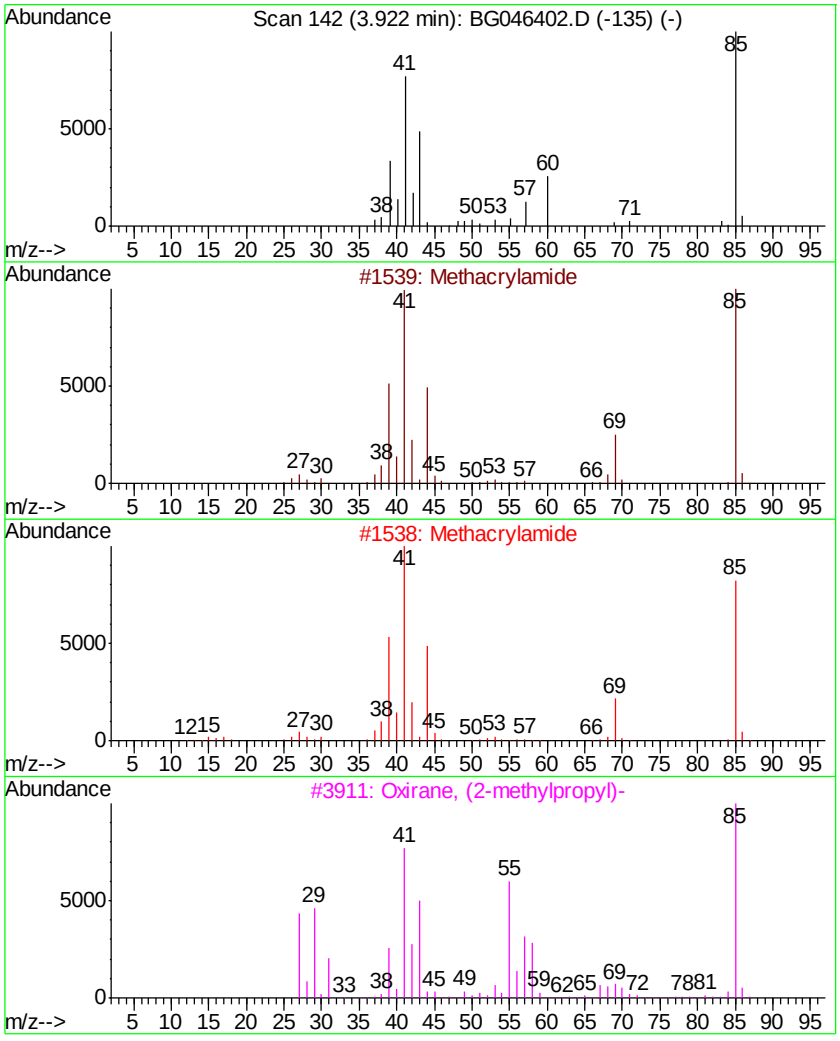
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

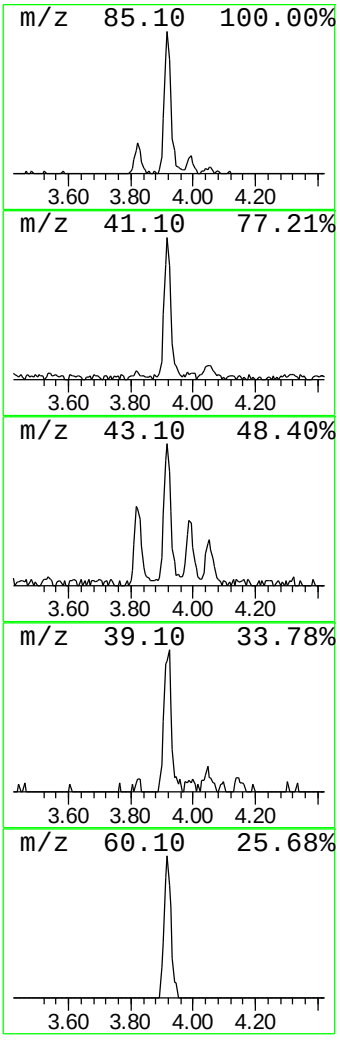
****

Peak Number 2 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.52 ng/ul	60119	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	42
2	Methacrylamide	85	C4H7NO	000079-39-0	9
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	9
4	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	9
5	dl-Glyceraldehyde dimer	180	C6H12O6	026793-98-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Acq On : 21 Aug 2020 7:20
Operator : CG/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : BFMH4

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

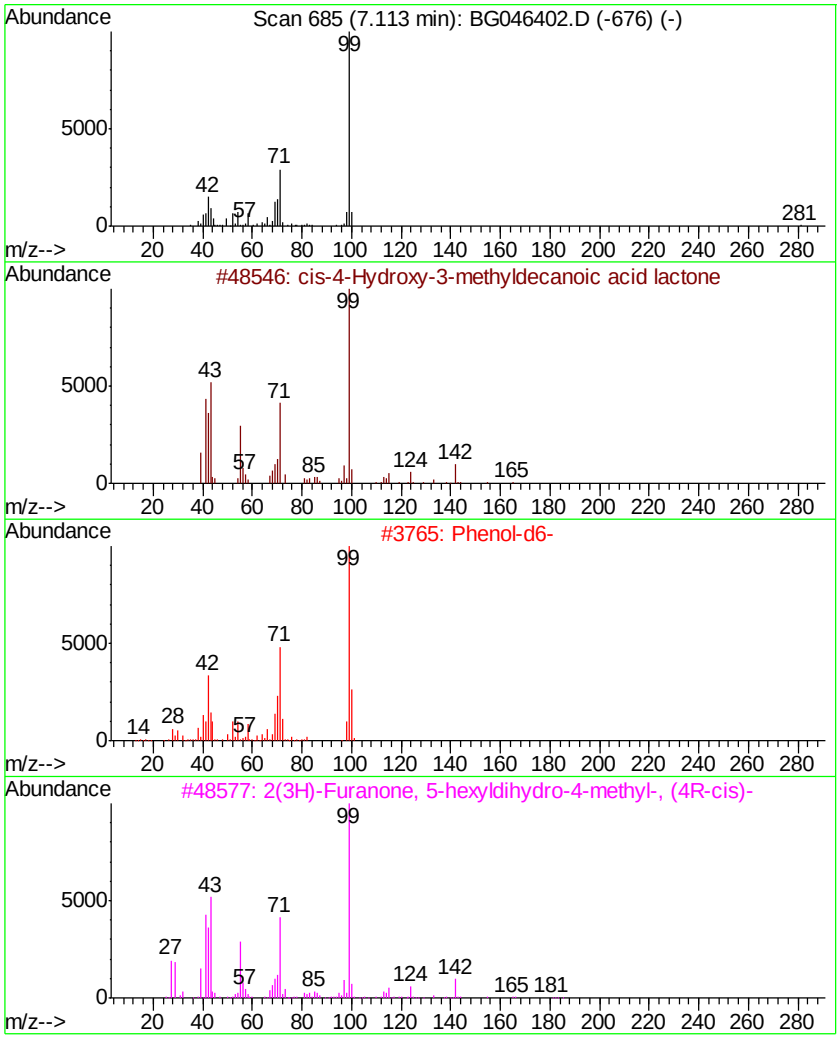
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

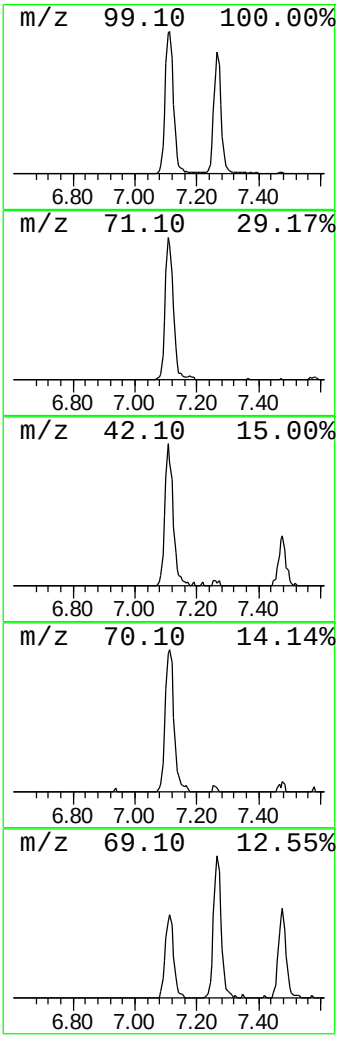
****

Peak Number 3 cis-4-Hydroxy-3-methyldecan... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	9.85 ng/ul	234759	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-4-Hydroxy-3-methyldecanoic a...	184	C11H20O2	147254-32-8	64
2	Phenol-d6-	100	C6D6O	013127-88-3	64
3	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	121644-12-0	64
4	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
5	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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

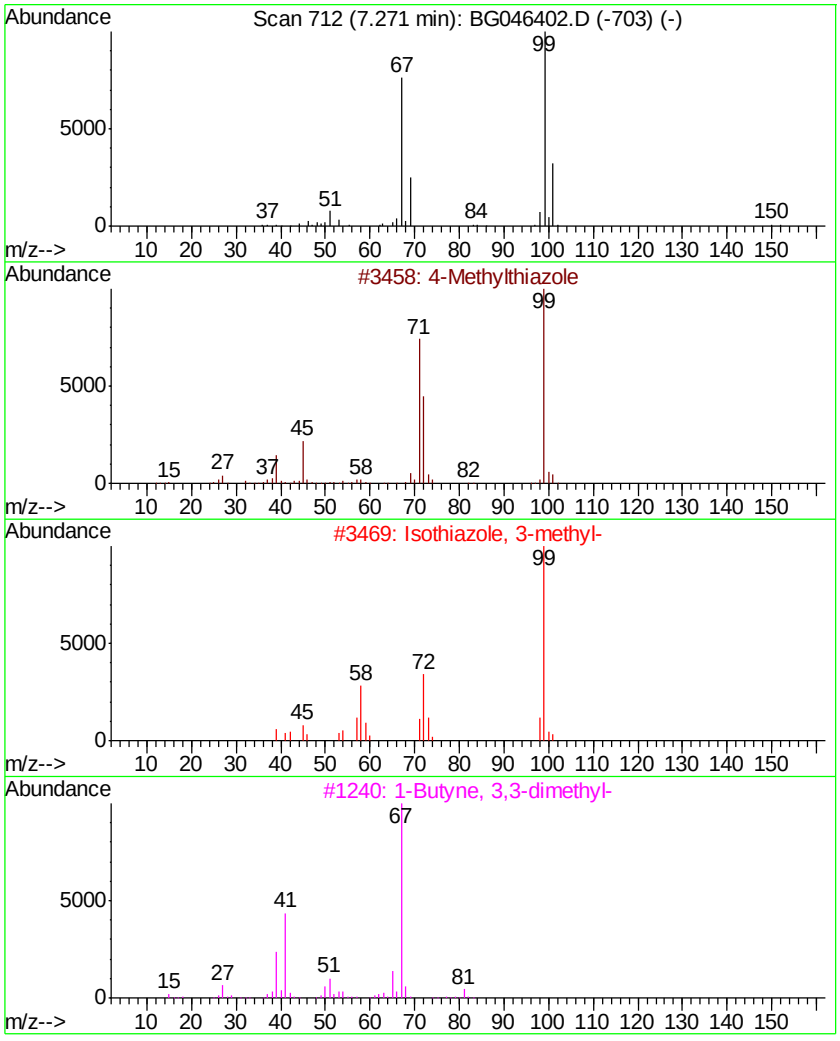
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

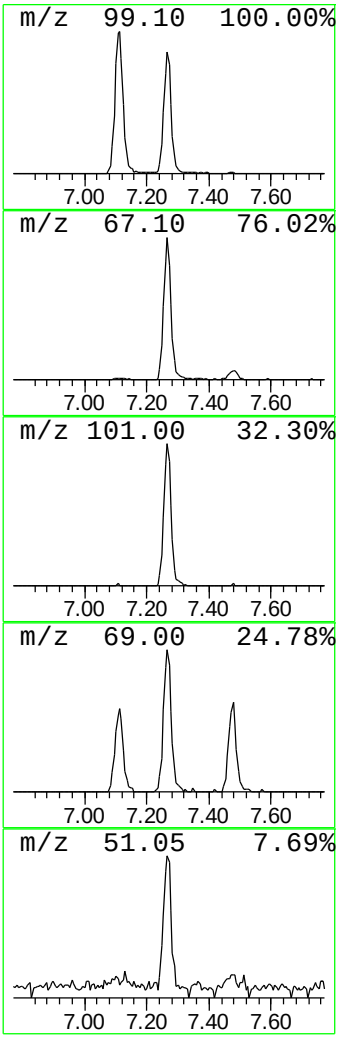
****

Peak Number 4 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	7.66 ng/ul	182631	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	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
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

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Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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

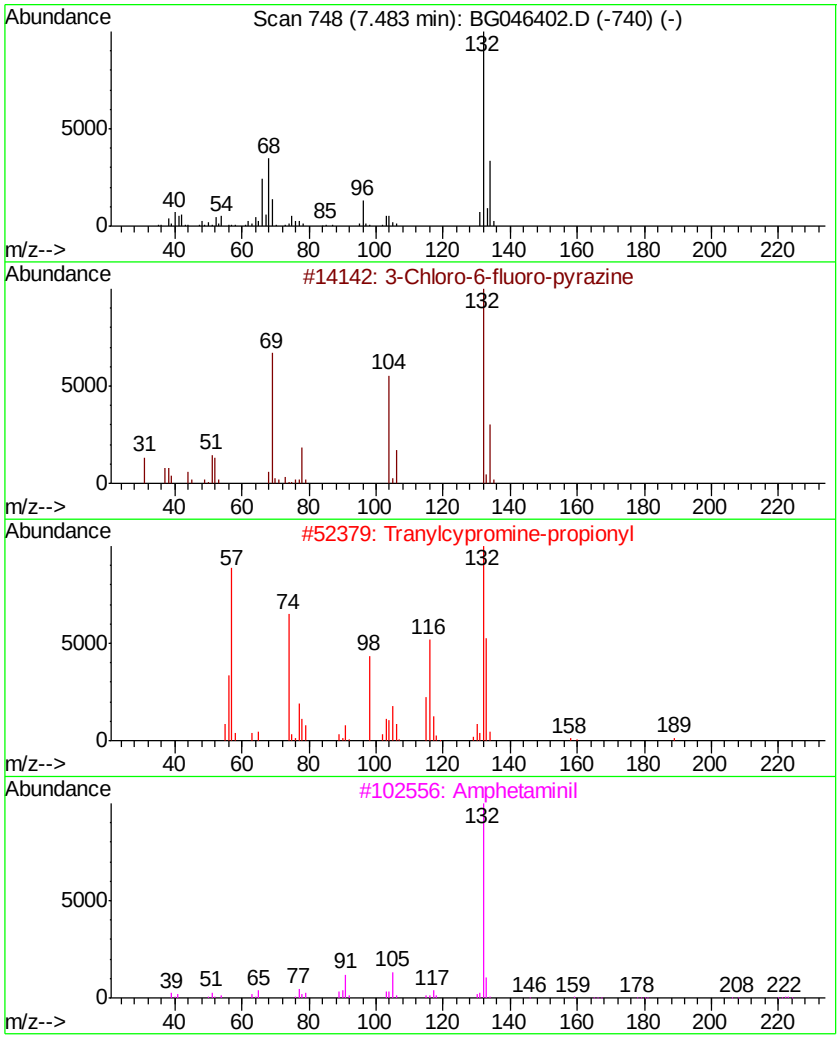
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

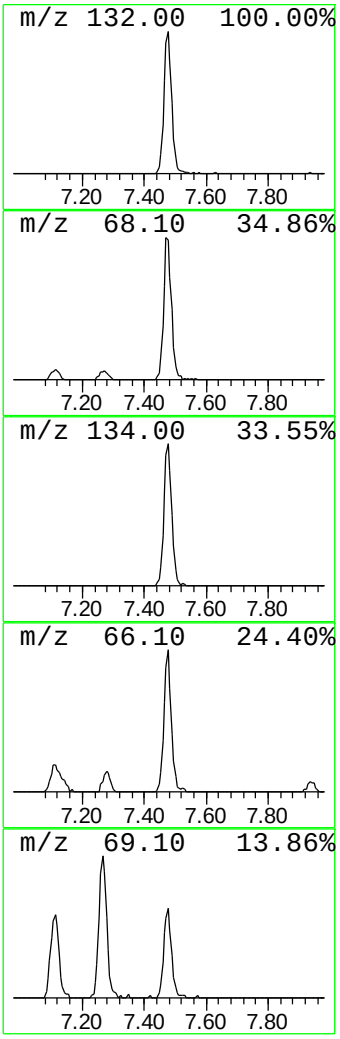
****

Peak Number 5 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	10.14 ng/ul	241656	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	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

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

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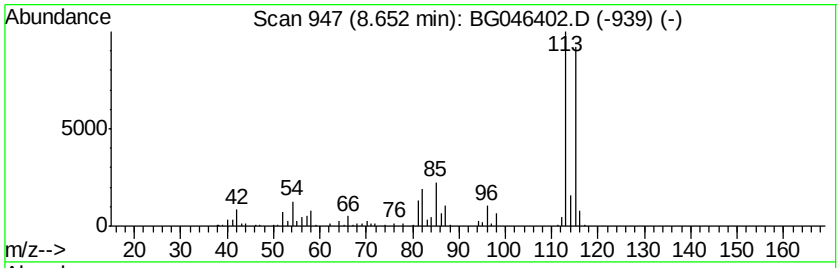
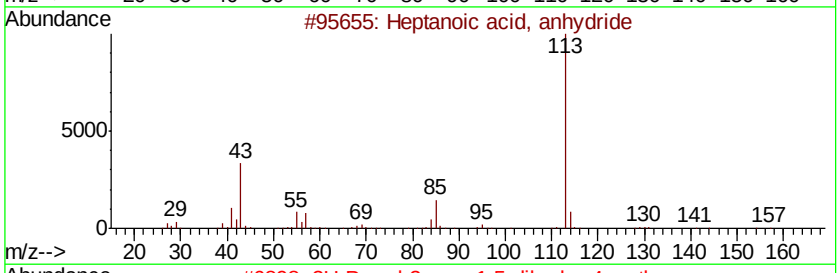
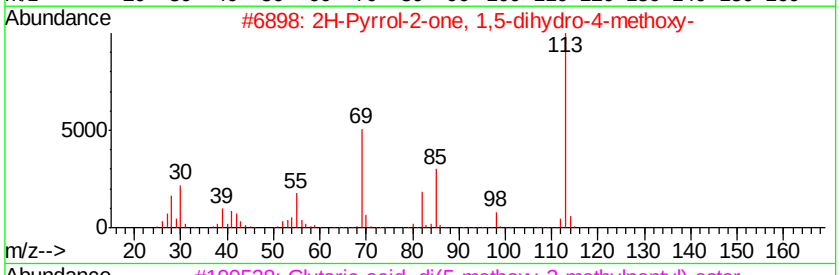
Peak Number 6 unknown-04 Concentration Rank 7

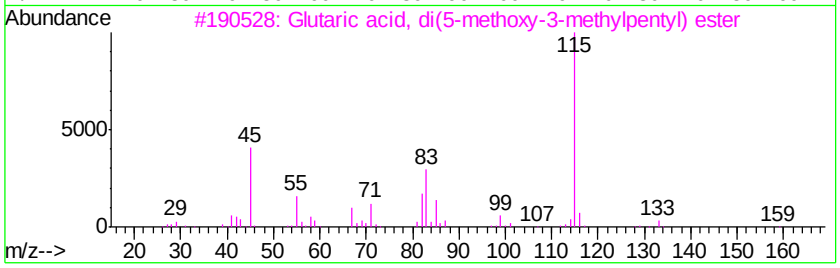
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	8.09 ng/ul	192839	1,4-Dichlorobenzene-d4	7.94

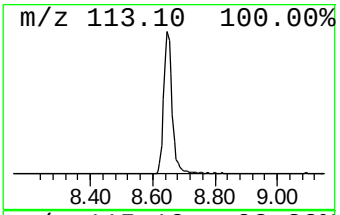
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	35
2	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
3	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	25
4	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	25
5	Heptanoic acid,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

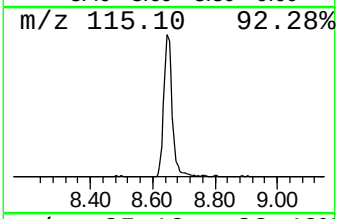


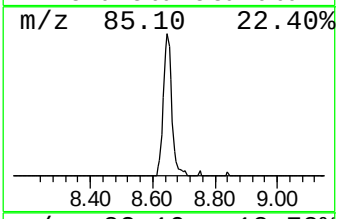


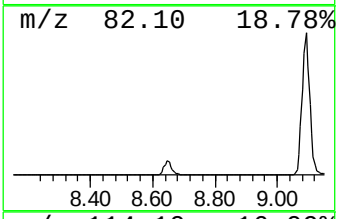


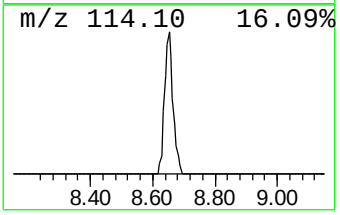












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Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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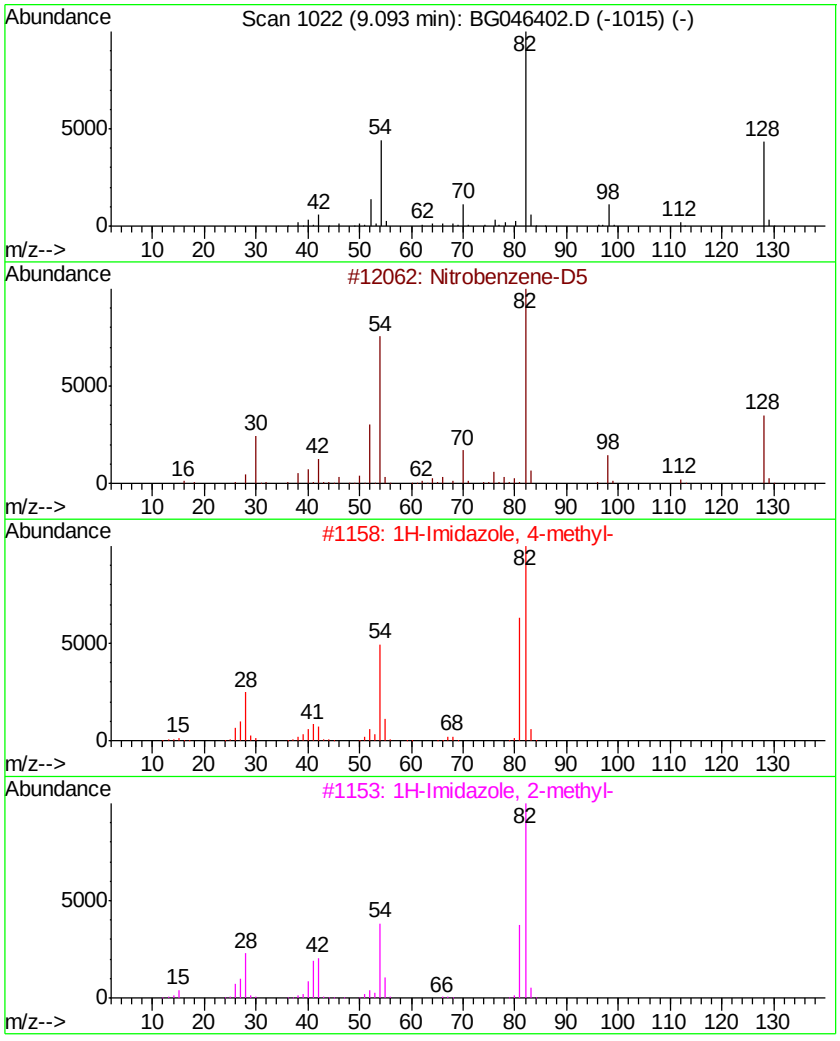
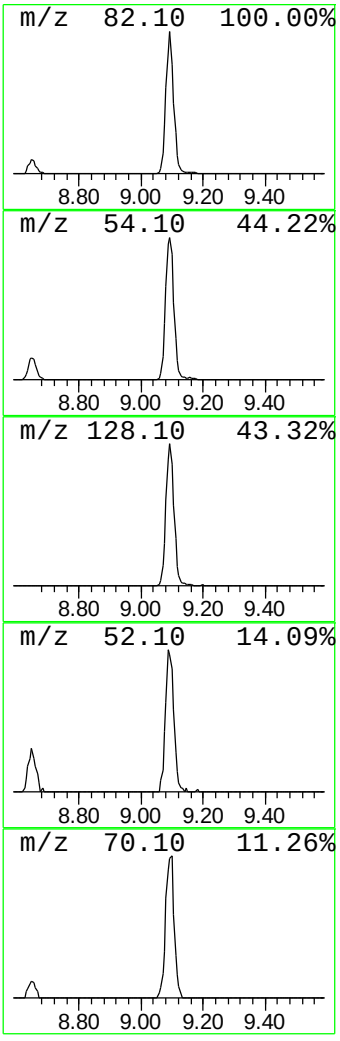
Peak Number 7 unknown-05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	9.88 ng/ul	235489	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	47
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	33
5	Methyl methylphosphonofluoridate	112	C2H6FO2P	000353-88-8	9





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Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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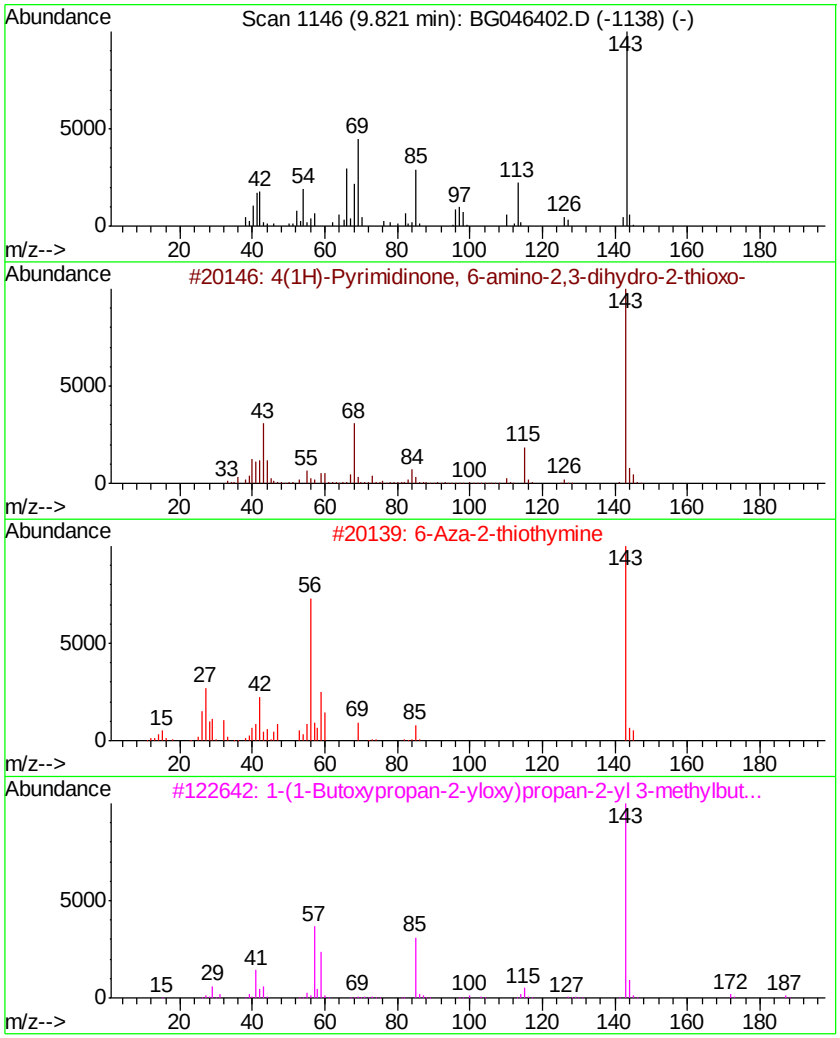
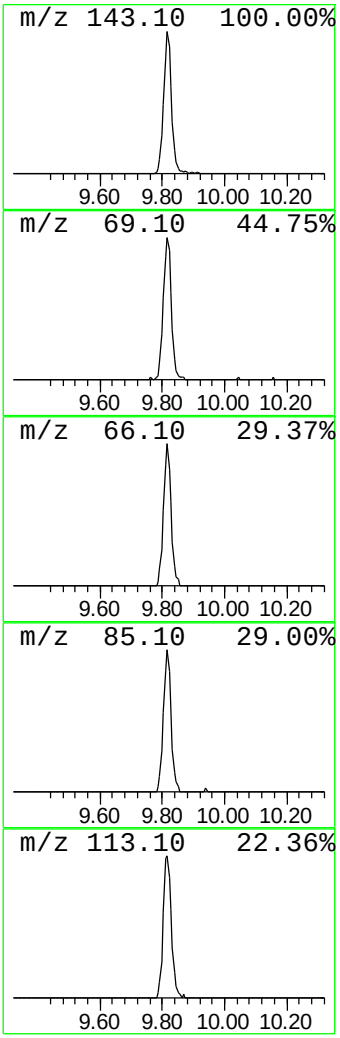
Peak Number 8 unknown-06 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	5.46 ng/ul	200065	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	25
2	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
3	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
4	3H-1,2,4-Triazole-3-thione,2,4-d...	143	C5H9N3S	037526-42-4	10
5	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	9





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Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

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

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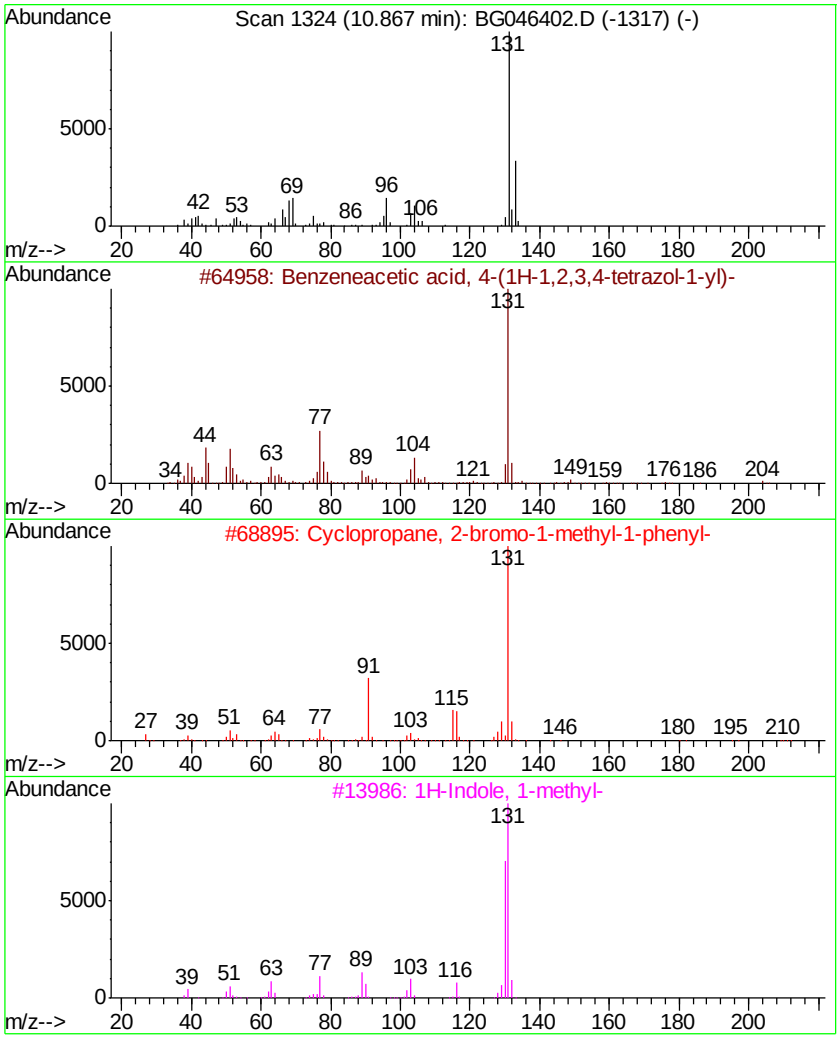
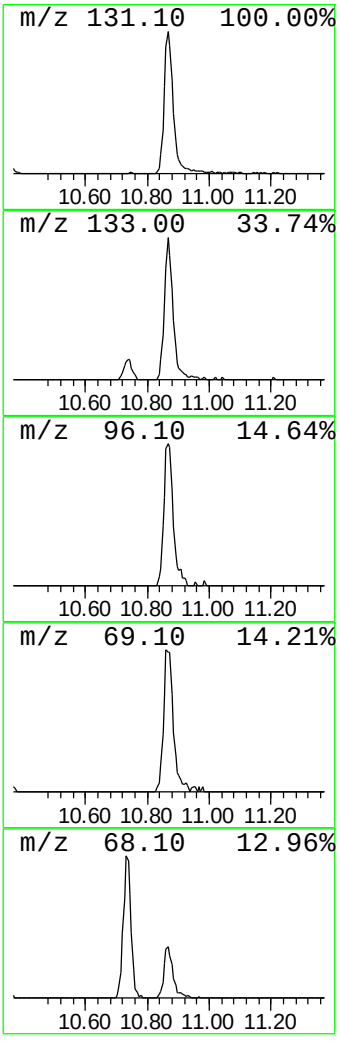
Peak Number 9 unknown-07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	6.01 ng/ul	220251	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	28
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	25
4	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
5	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9





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Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

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

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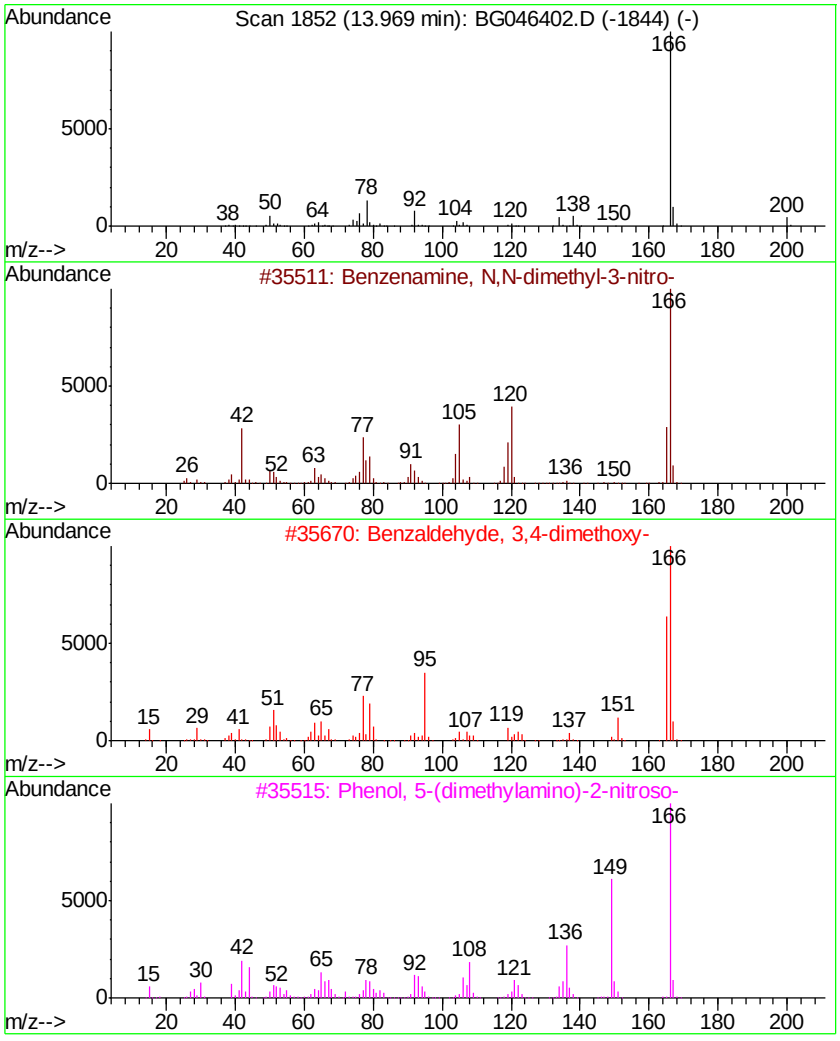
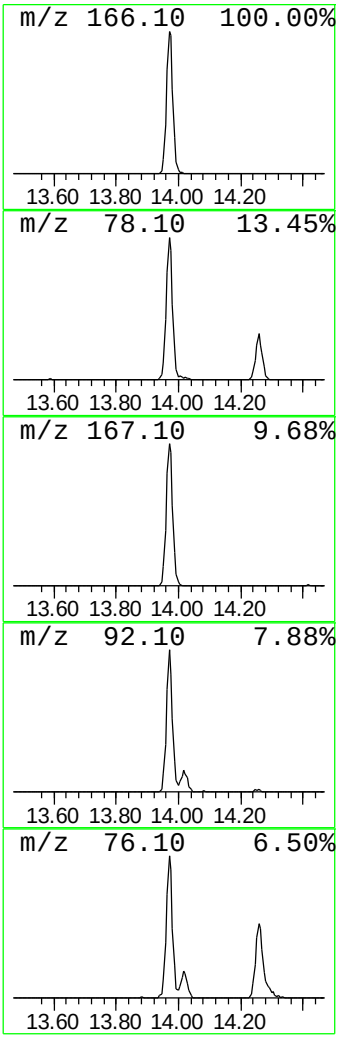
Peak Number 10 Benzenamine, N,N-dimethyl-3... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	10.26 ng/ul	544781	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N-dimethyl-3-nitro-	166	C8H10N2O2	000619-31-8	56
2	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
3	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	38
4	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





Library Search Compound Report

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Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

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

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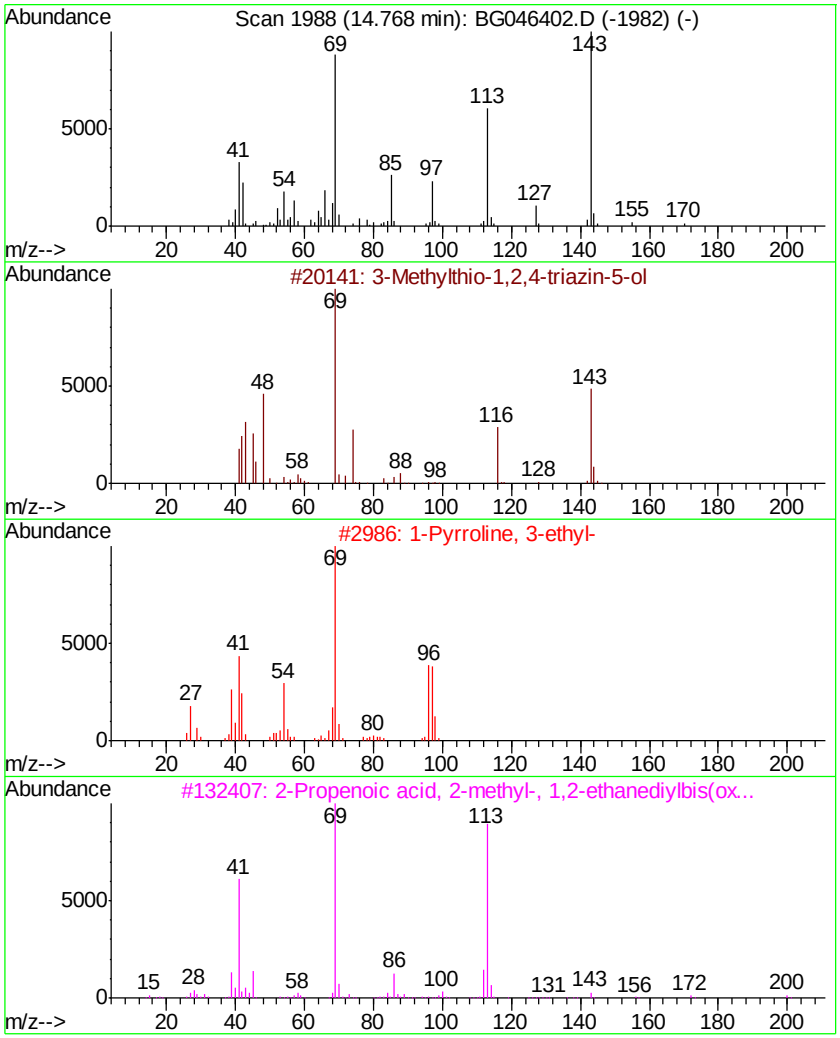
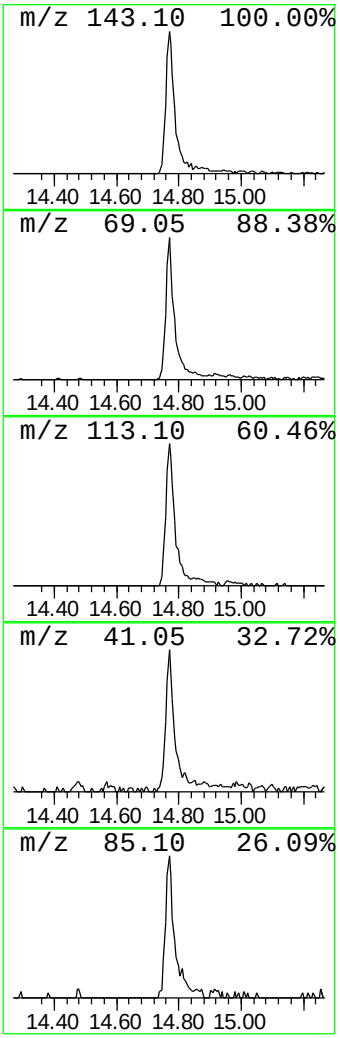
Peak Number 11 unknown-08 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.29 ng/ul	174642	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylthio-1,2,4-triazin-5-ol	143	C4H5N3OS	018060-72-5	38
2	1-Pyrroline, 3-ethyl-	97	C6H11N	1000073-06-0	25
3	2-Propenoic acid, 2-methyl-, 1,2...	286	C14H22O6	000109-16-0	25
4	2-Propenoic acid, 2-methyl-, 1,2...	286	C14H22O6	000109-16-0	25
5	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25





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Sample : L3635-08
Misc :
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Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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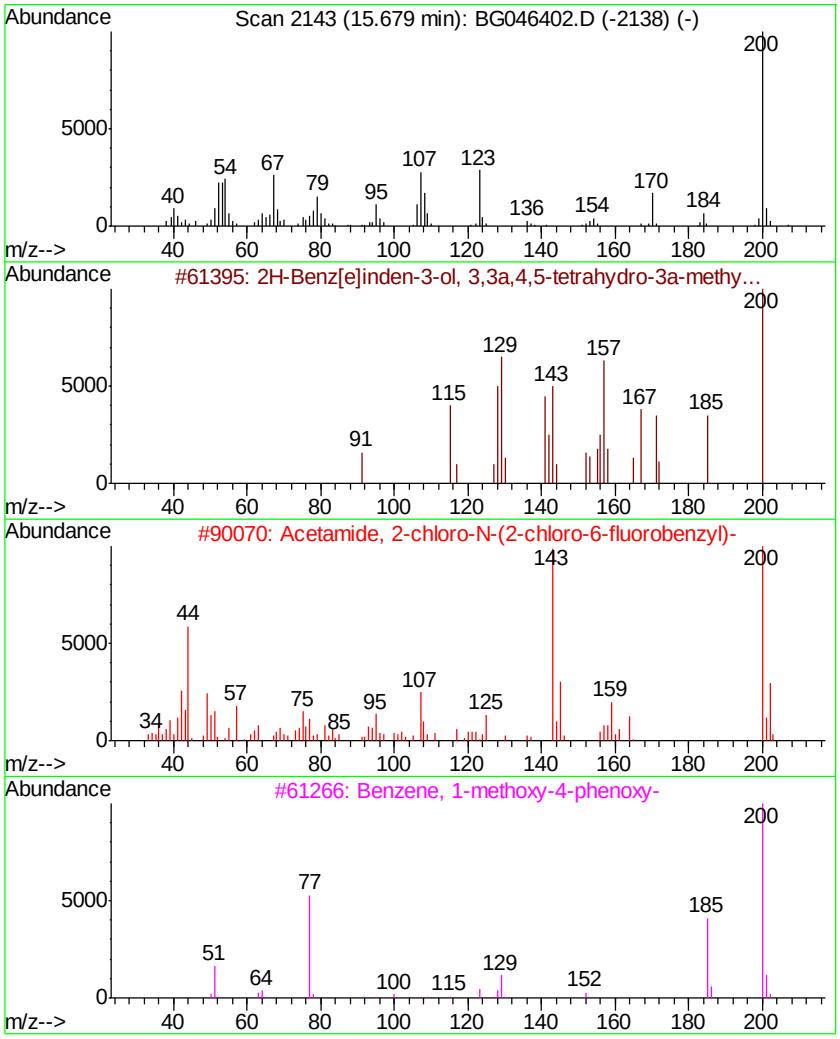
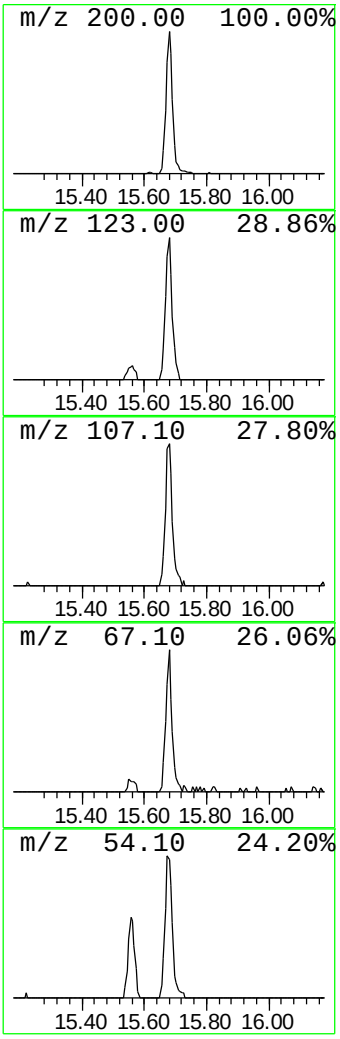
Peak Number 12 unknown-09 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.95 ng/ul	156719	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	35
2	Acetamide, 2-chloro-N-(2-chloro-...	235	C9H8Cl2FNO	1000268-05-5	23
3	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	22
4	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	22
5	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14





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Sample : L3635-08
Misc :
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Instrument : BNA_G
ClientSampleId : BFMH4

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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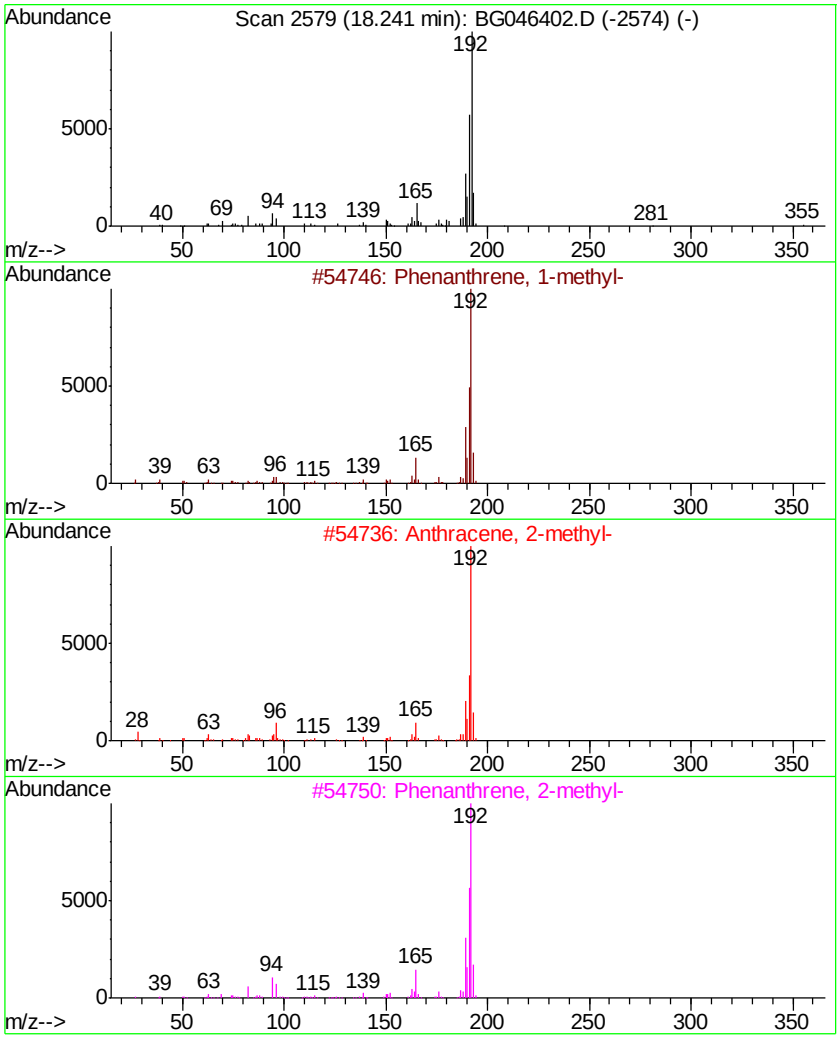
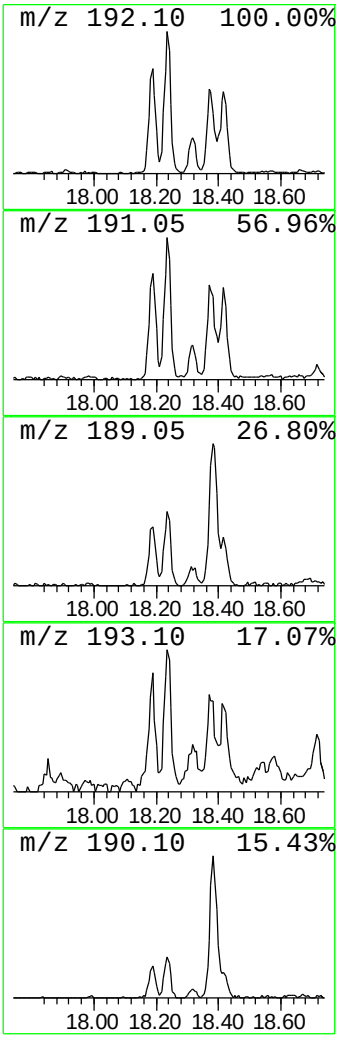
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.10 ng/ul	134210	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Sample : L3635-08
Misc :
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Instrument : BNA_G
ClientSampleId : BFMH4

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Quant Title : SVOA CALIBRATION

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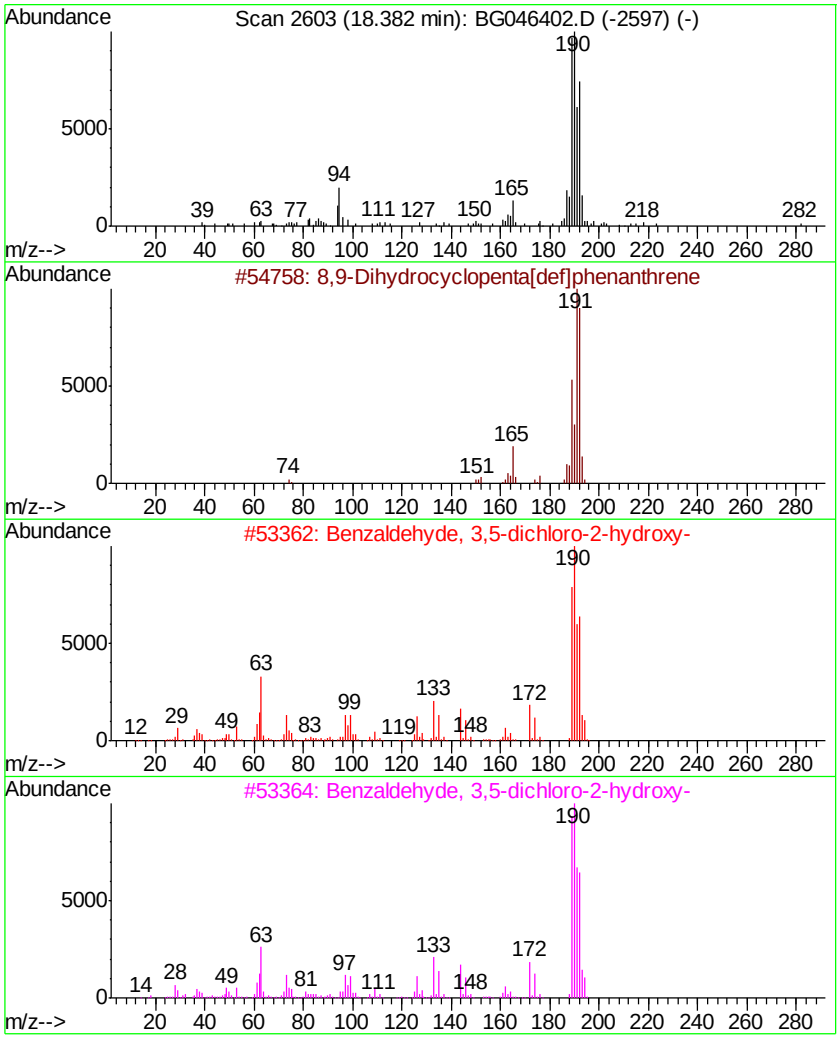
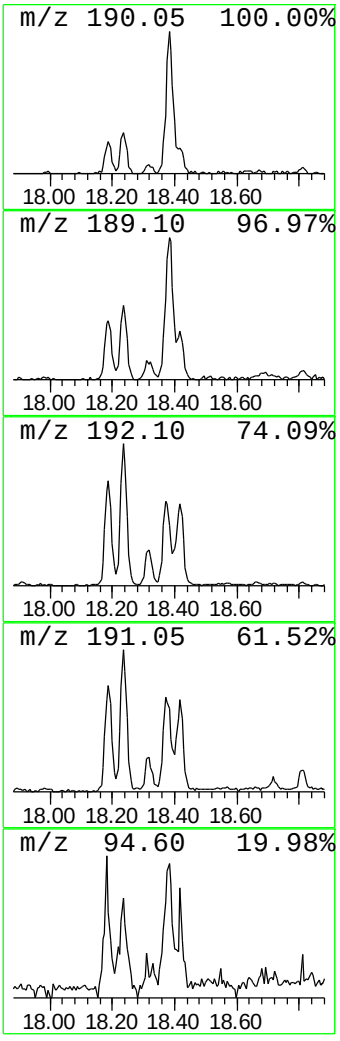
Peak Number 14 8,9-Dihydrocyclopenta[def]p... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.34 ng/ul	149481	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	80
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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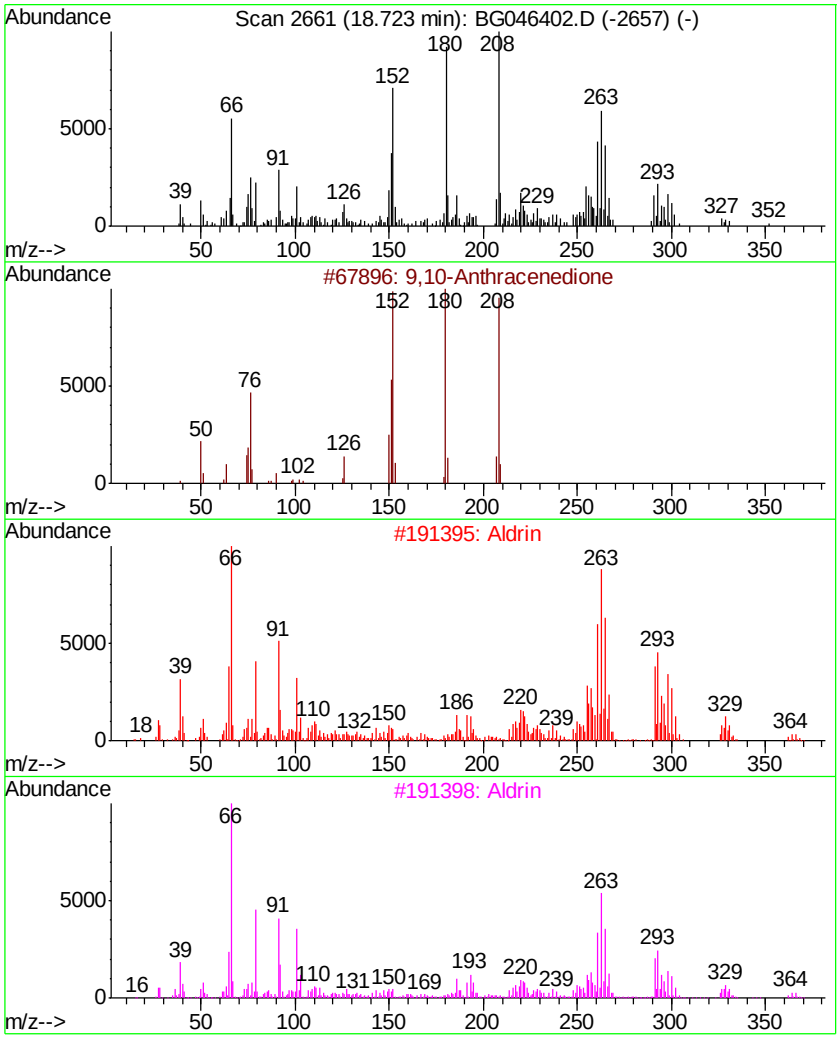
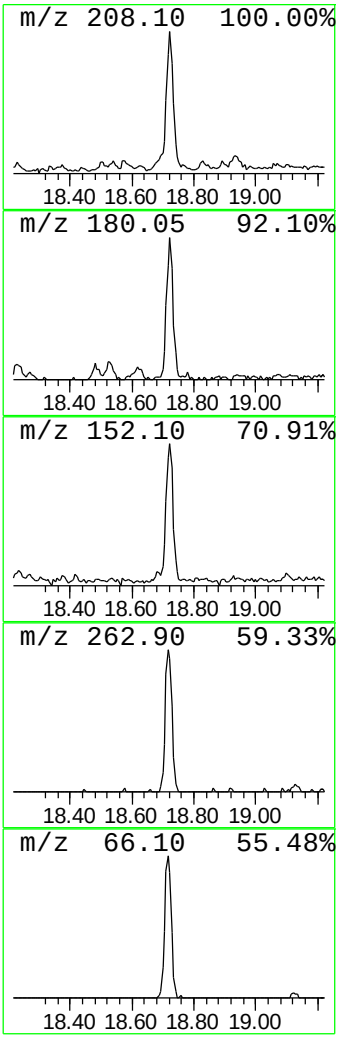
Peak Number 15 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	4.22 ng/ul	269263	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	Aldrin	362	C12H8Cl6	000309-00-2	89
3	Aldrin	362	C12H8Cl6	000309-00-2	64
4	Aldrin	362	C12H8Cl6	000309-00-2	64
5	Aldrin	362	C12H8Cl6	000309-00-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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

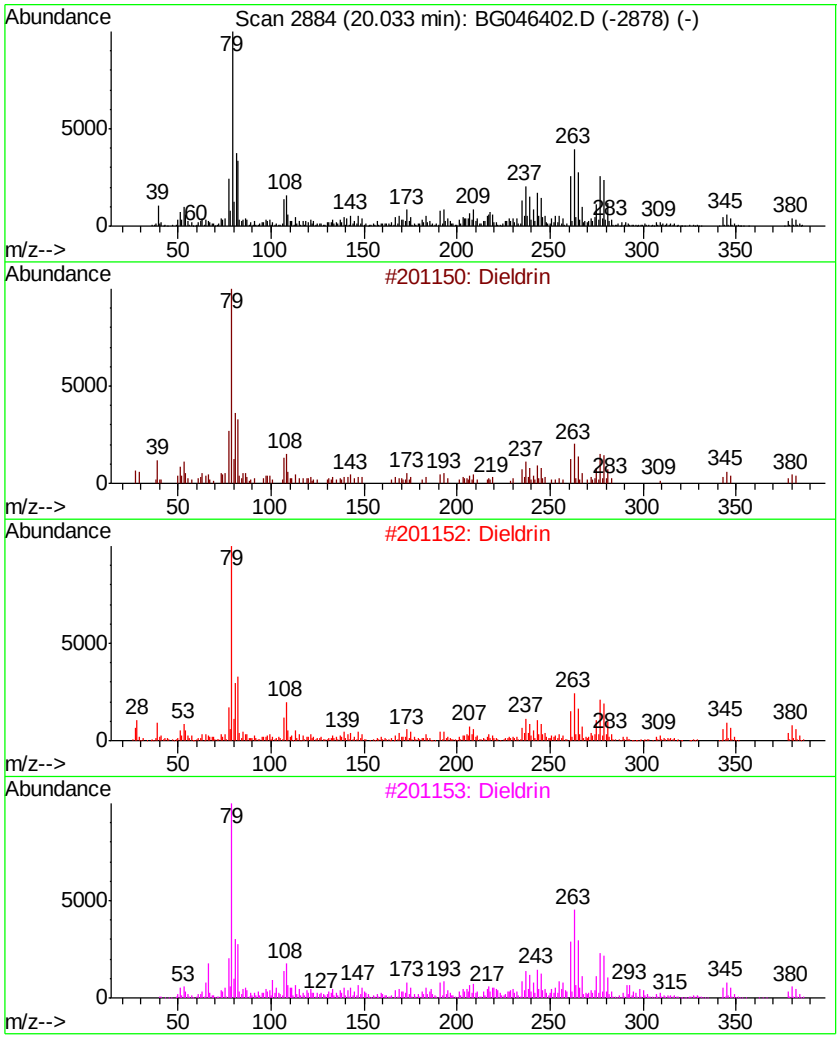
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

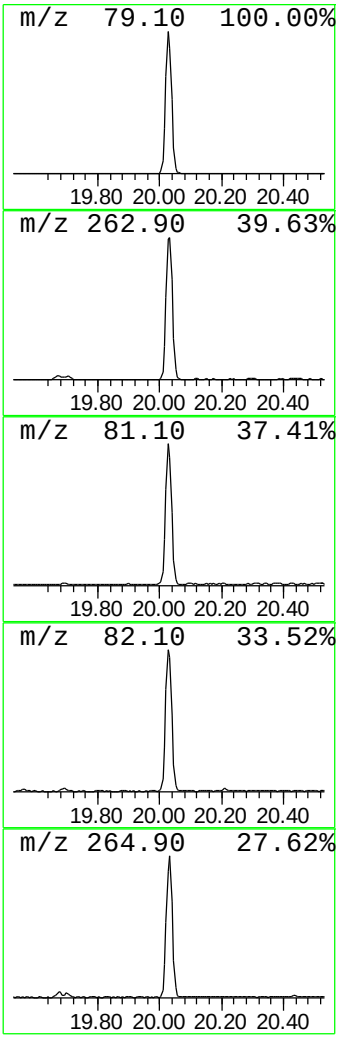
****

Peak Number 16 Dieldrin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	24.79 ng/ul	2386430	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dieldrin	378	C12H8Cl6O	000060-57-1	99
2	Dieldrin	378	C12H8Cl6O	000060-57-1	98
3	Dieldrin	378	C12H8Cl6O	000060-57-1	95
4	Dieldrin	378	C12H8Cl6O	000060-57-1	95
5	1,2,3,4,10,10-Hexachloro-6,7-epo...	378	C12H8Cl6O	056816-04-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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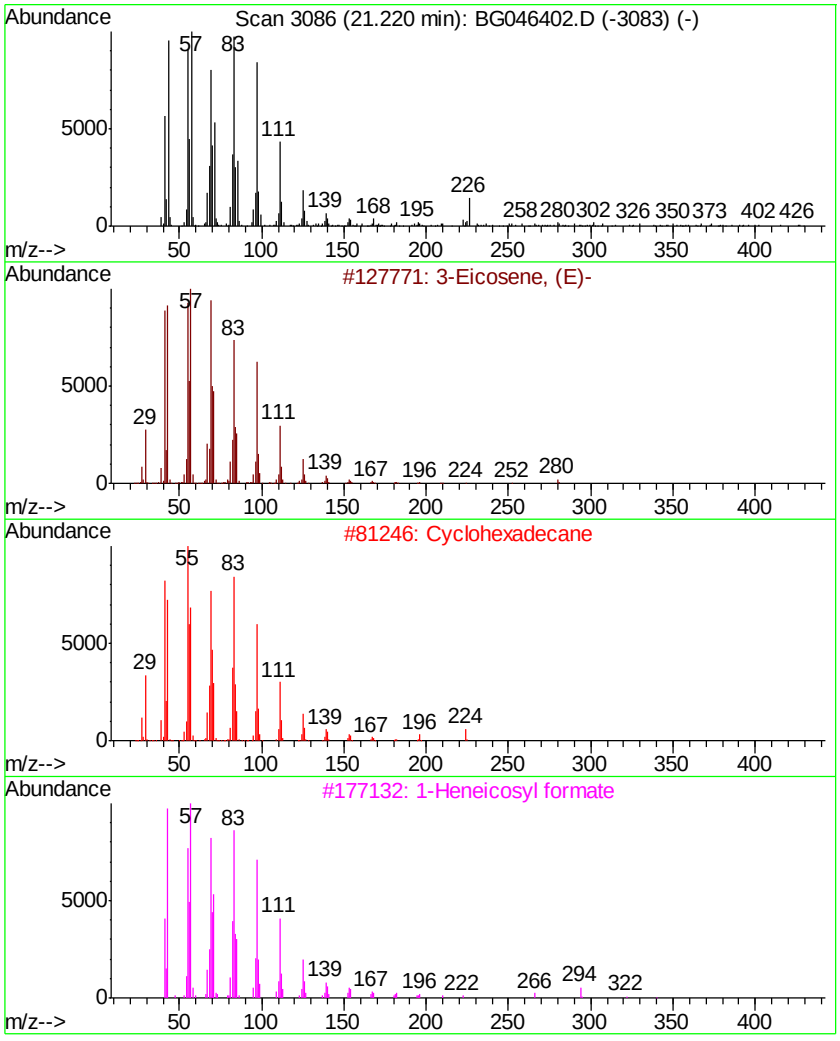
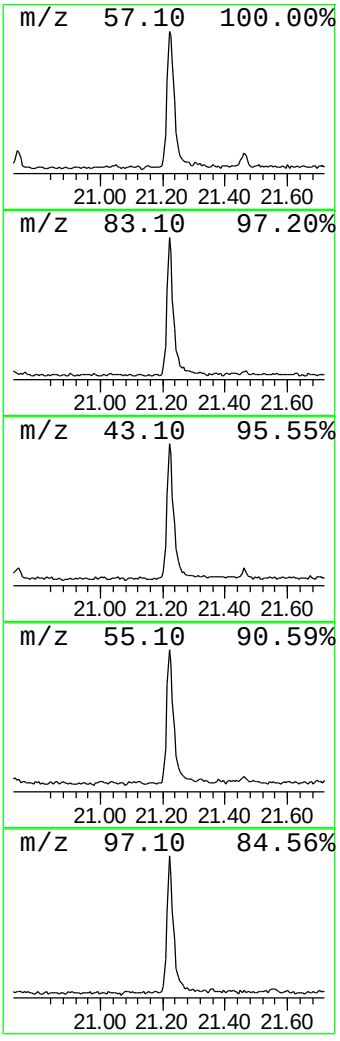
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	5.22 ng/ul	502515	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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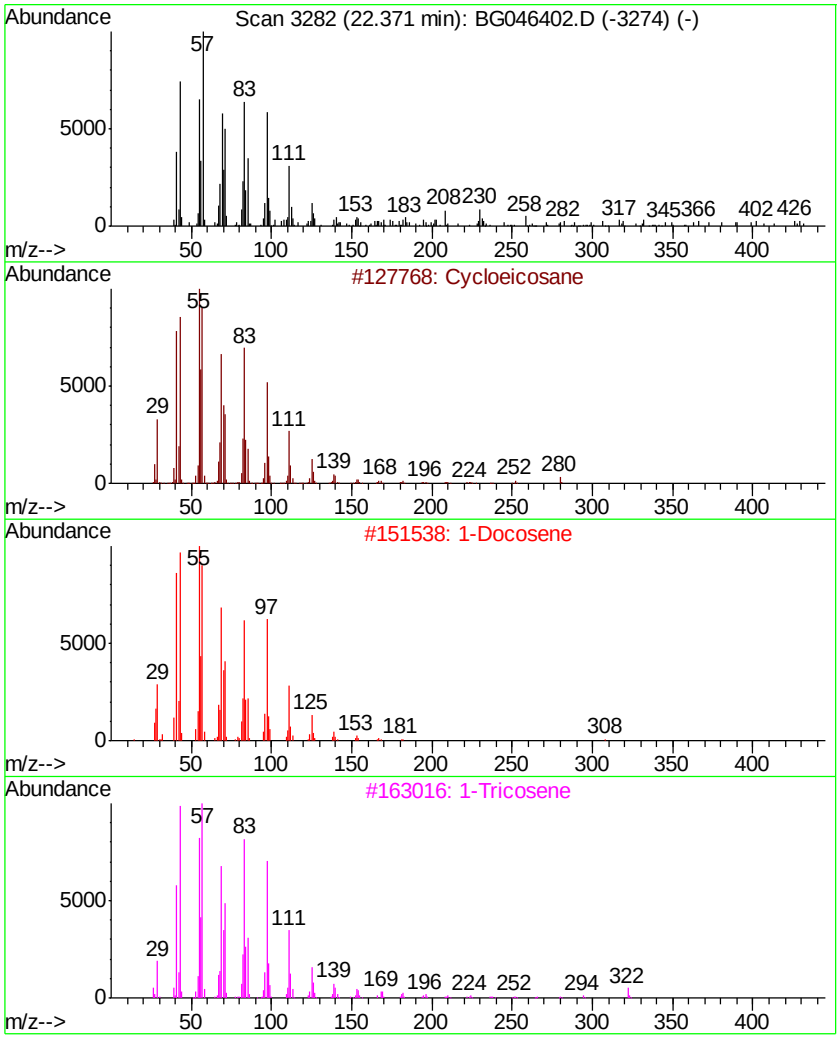
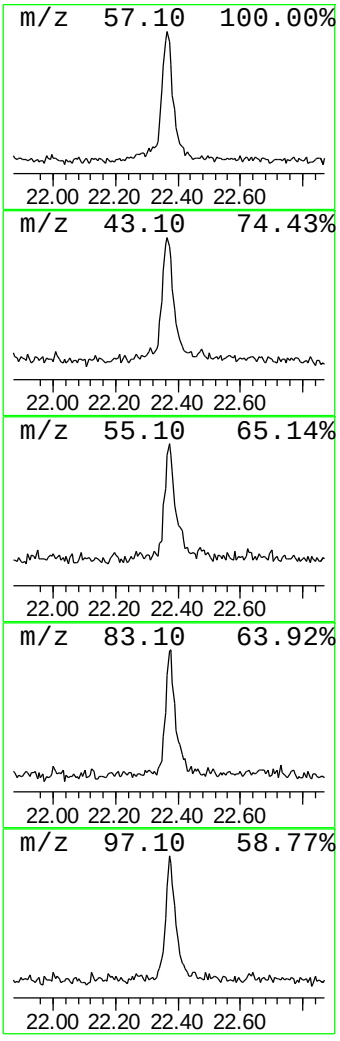
Peak Number 18 (DEL) Alkane: Cyclic22.37 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	3.15 ng/ul	303114	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	95
2	1-Docosene	308	C22H44	001599-67-3	91
3	1-Tricosene	322	C23H46	018835-32-0	90
4	Cyclopentadecane	210	C15H30	000295-48-7	86
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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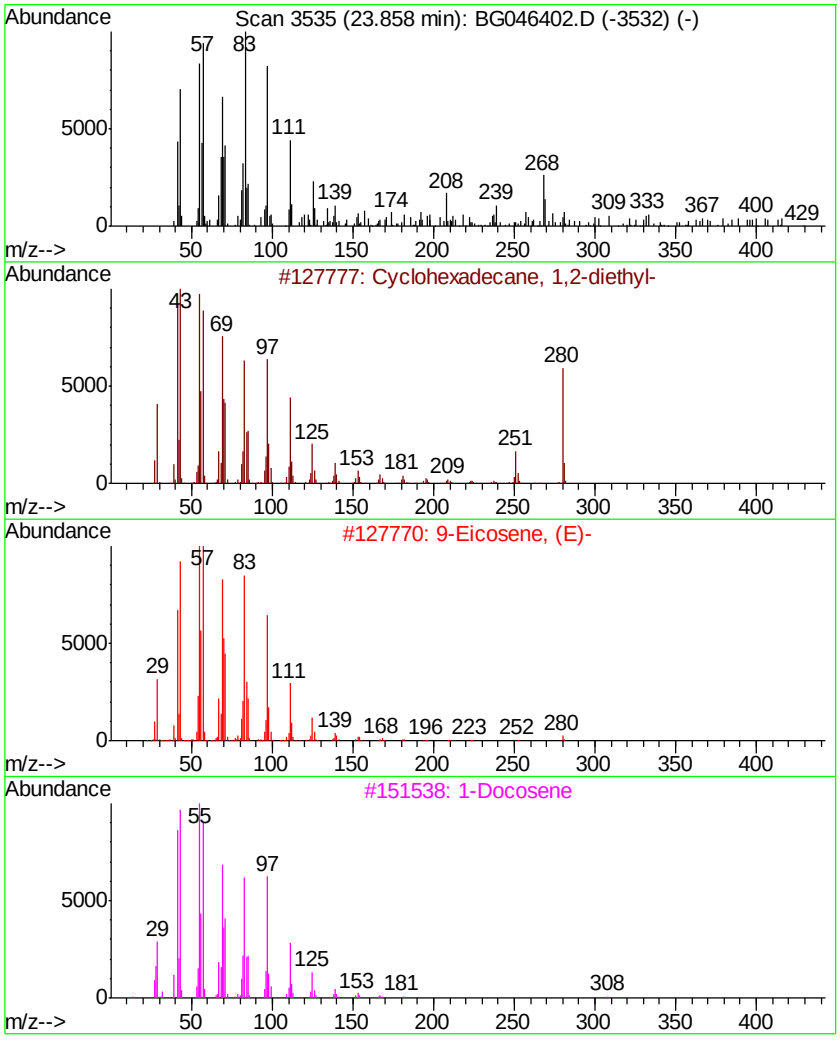
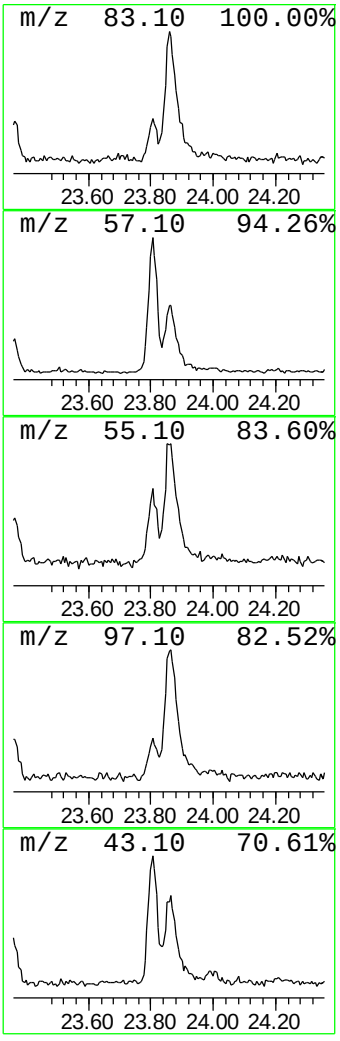
Peak Number 19 (DEL) Alkane: Cyclic23.86 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	2.32 ng/ul	176595	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	83
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	76
3	1-Docosene	308	C22H44	001599-67-3	62
4	Cyclohexane, 1-(1,5-dimethylhexy...	280	C20H40	056009-20-2	60
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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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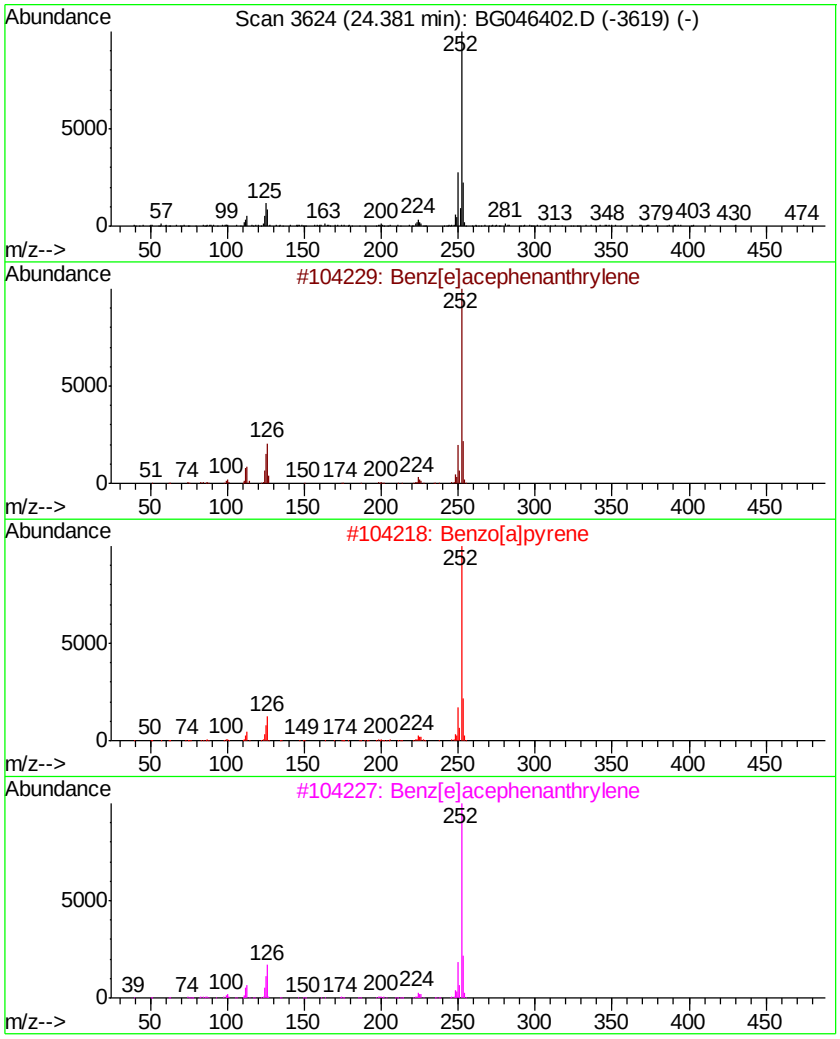
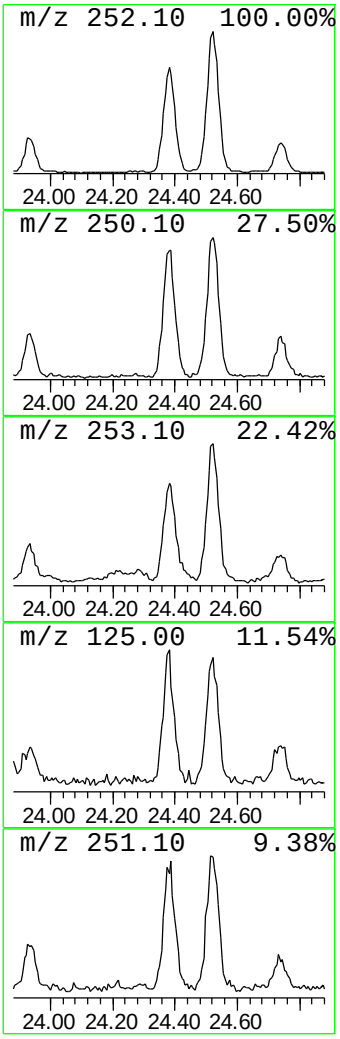
Peak Number 20 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	2.54 ng/ul	192716	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

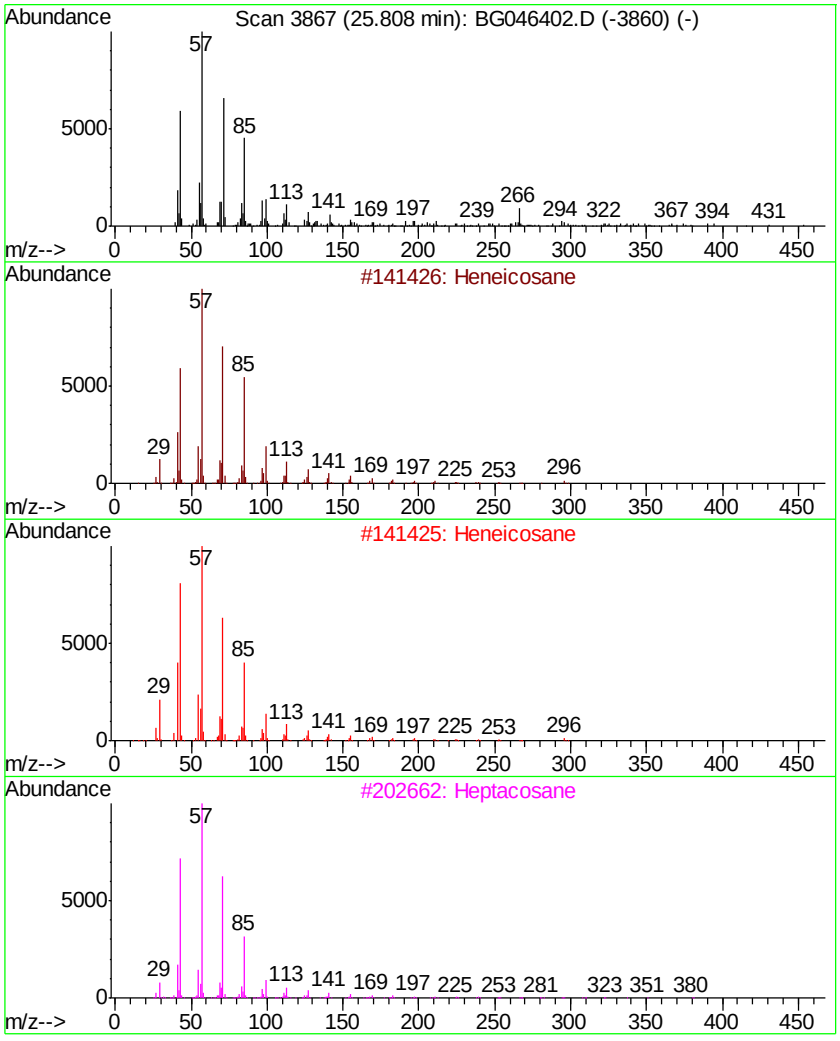
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

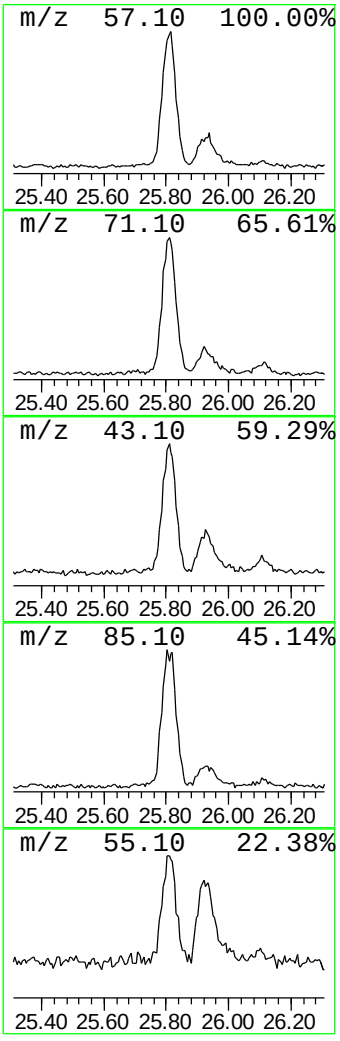
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	4.20 ng/ul	319458	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Heneicosane	296	C21H44	000629-94-7	96
3	Heptacosane	380	C27H56	000593-49-7	93
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane	394	C28H58	000630-02-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046402.D
Acq On : 21 Aug 2020 7:20
Operator : CG/JU
Sample : L3635-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMH4

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	93.6	ng/ul	2230870	1	7.94	476697	20.0
unknown-01	3.92	2.5	ng/ul	60119	1	7.94	476697	20.0
cis-4-Hydroxy-3-m...	7.11	9.8	ng/ul	234759	1	7.94	476697	20.0
unknown-02	7.27	7.7	ng/ul	182631	1	7.94	476697	20.0
unknown-03	7.48	10.1	ng/ul	241656	1	7.94	476697	20.0
unknown-04	8.65	8.1	ng/ul	192839	1	7.94	476697	20.0
unknown-05	9.09	9.9	ng/ul	235489	1	7.94	476697	20.0
unknown-06	9.82	5.5	ng/ul	200065	2	10.74	732553	20.0
unknown-07	10.87	6.0	ng/ul	220251	2	10.74	732553	20.0
Benzenamine, N,N-...	13.97	10.3	ng/ul	544781	3	14.57	1062090	20.0
unknown-08	14.77	3.3	ng/ul	174642	3	14.57	1062090	20.0
unknown-09	15.68	3.0	ng/ul	156719	3	14.57	1062090	20.0
Phenanthrene, 1-m...	18.24	2.1	ng/ul	134210	4	17.31	1276050	20.0
8,9-Dihydrocyclop...	18.38	2.3	ng/ul	149481	4	17.31	1276050	20.0
9,10-Anthracenedione	18.72	4.2	ng/ul	269263	4	17.31	1276050	20.0
Dieldrin	20.03	24.8	ng/ul	2386430	5	21.56	1925060	20.0
(DEL) Alkane: Str...	21.22	5.2	ng/ul	502515	5	21.56	1925060	20.0
(DEL) Alkane: Cyc...	22.37	3.1	ng/ul	303114	5	21.56	1925060	20.0
(DEL) Alkane: Cyc...	23.86	2.3	ng/ul	176595	6	24.67	1519610	20.0
Benzo[e]pyrene	24.38	2.5	ng/ul	192716	6	24.67	1519610	20.0
(DEL) Alkane: Str...	25.81	4.2	ng/ul	319458	6	24.67	1519610	20.0