LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 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	3.141	4	9	26	rVB	1275924	1886521	96.40%	8.424%
2	3.817	120	124	134	rVB3	7289	12178	0.62%	0.054%
3	3.911	136	140	150	rVV2	26075	41727	2.13%	0.186%
4	4.052	158	164	170	rBV2	10427	18119	0.93%	0.081%
5	5.051	329	334	339	rBV2	11424	17226	0.88%	0.077%
6	7.113	677	685	693	rBV2	12401	22668	1.16%	0.101%
7	7.266	704	711	719	rBV	13507	26193	1.34%	0.117%
8	7.478	740	747	752	rVB	14524	23467	1.20%	0.105%
9	7.942	819	826	839	rBV	252224	435921	22.28%	1.947%
10	8.647	942	946	954	rBV4	7370	13071	0.67%	0.058%
11	9.093	1015	1022	1032	rVB2	13505	26381	1.35%	0.118%
12	9.816	1138	1145	1152	rVB2	11835	19577	1.00%	0.087%
13	10.368	1232	1239	1248	rVB2	15479	29492	1.51%	0.132%
14	10.733	1294	1301	1308	rBV	370391	673591	34.42%	3.008%
15	10.785	1308	1310	1316	rVB	16056	21963	1.12%	0.098%
16	12.389	1579	1583	1593	rBV3	9325	17020	0.87%	0.076%
17	12.613	1614	1621	1625	rBV	11442	18758	0.96%	0.084%
18	13.888	1832	1838	1844	rBV2	14122	21946	1.12%	0.098%
19	13.970	1844	1852	1857	rVV	45117	78173	3.99%	0.349%
20	14.017	1857	1860	1866	rVB	14942	22174	1.13%	0.099%
21	14.258	1896	1901	1905	rBV	44173	76408	3.90%	0.341%
22	14.287	1905	1906	1913	rVB	20986	26353	1.35%	0.118%
23	14.569	1944	1954	1960	rVV	659056	1011674	51.70%	4.517%
24	14.628	1960	1964	1971	rVB	30981	49883	2.55%	0.223%
25	14.963	2015	2021	2029	rVV	55252	91730	4.69%	0.410%
26	15.556	2115	2122	2127	rBV	68703	106899	5.46%	0.477%
27	15.615	2127	2132	2138	rVV	65135	105350	5.38%	0.470%
28	15.674	2138	2142	2151	rVV2	10775	22206	1.13%	0.099%
29	15.909	2178	2182	2192	rVB2	27943	44408	2.27%	0.198%
30	16.056	2202	2207	2215	rVV	30061	57149	2.92%	0.255%
31	16.144	2215	2222	2230	rVB4	6550	14651	0.75%	0.065%
32	16.285	2238	2246	2252	rBV6	9521	21907	1.12%	0.098%
33	16.590	2289	2298	2299	rBV4	9852	15121	0.77%	0.068%
34	16.614	2300	2302	2308	rVV5	13502	24980	1.28%	0.112%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 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	16.667	2308	2311	2317	rVB4	8152	12953	0.66%	0.058%
36	16.843	2334	2341	2345	rBV4	13164	23255	1.19%	0.104%
37	16.890	2345	2349	2353	rVV2	14240	20499	1.05%	0.092%
38	16.961	2356	2361	2368	rVB	108630	165404	8.45%	0.739%
39	17.049	2370	2376	2381	rVV3	13921	30235	1.55%	0.135%
40	17.125	2384	2389	2398	rVB	57686	99314	5.08%	0.443%
41	17.307	2412	2420	2424	rBV	813663	1262286	64.50%	5.637%
42	17.354	2424	2428	2433	rVV	1034094	1547845	79.10%	6.912%
43	17.407	2433	2437	2440	rVV	90129	141330	7.22%	0.631%
44	17.442	2440	2443	2448	rVB	80324	112366	5.74%	0.502%
45	17.495	2448	2452	2459	rBV3	18092	30979	1.58%	0.138%
46	17.624	2470	2474	2478	rVB3	12974	20442	1.04%	0.091%
47	17.707	2478	2488	2493	rBV2	84528	153935	7.87%	0.687%
48	17.754	2493	2496	2501	rVV4	10412	14320	0.73%	0.064%
49	17.830	2505	2509	2515	rVV2	23868	35045	1.79%	0.156%
50	17.889	2515	2519	2529	rVB3	31223	57227	2.92%	0.256%
51	17.995	2529	2537	2540	rBV5	15258	28139	1.44%	0.126%
52	18.036	2541	2544	2549	rVB2	10470	15361	0.78%	0.069%
53	18.106	2551	2556	2560	rBV	14973	20194	1.03%	0.090%
54	18.188	2560	2570	2573	rBV	112746	187930	9.60%	0.839%
55	18.235	2573	2578	2583	rVB	154698	235655	12.04%	1.052%
56	18.312	2587	2591	2596	rVB3	16142	23426	1.20%	0.105%
57	18.377	2596	2602	2606	rBV2	108859	208509	10.65%	0.931%
58	18.418	2606	2609	2616	rVB	70015	99854	5.10%	0.446%
59	18.494	2616	2622	2623	rBV3	13577	18908	0.97%	0.084%
60	18.682	2649	2654	2657	rBV	107125	161463	8.25%	0.721%
61	18.717	2657	2660	2667	rVB	259148	360532	18.42%	1.610%
62	18.811	2672	2676	2678	rBV3	8576	11735	0.60%	0.052%
63	18.929	2692	2696	2701	rVB2	27849	36658	1.87%	0.164%
64	18.982	2701	2705	2708	rBV	21547	30807	1.57%	0.138%
65	19.017	2708	2711	2716	rVB2	24741	34986	1.79%	0.156%
66	19.099	2720	2725	2730	rBV	86802	135407	6.92%	0.605%
67	19.146	2730	2733	2738	rVV6	23957	48753	2.49%	0.218%
68	19.193	2739	2741	2744	rVV2	22110	20947	1.07%	0.094%
69	19.234	2744	2748	2755	rVB	103035	153002	7.82%	0.683%
70	19.358	2764	2769	2775	rVB	1249518	1765302	90.21%	7.883%
71	19.422	2777	2780	2783	rBV2	22913	33024	1.69%	0.147%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 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	19.458	2783	2786	2790	rVB3	29915	43307	2.21%	0.193%
73	19.505	2790	2794	2797	rBV2	23679	34475	1.76%	0.154%
74	19.552	2798	2802	2806	rBV	47822	72156	3.69%	0.322%
75	19.604	2807	2811	2814	rVB	30851	39104	2.00%	0.175%
76	19.693	2821	2826	2827	rBV2	236365	322295	16.47%	1.439%
77	19.722	2827	2831	2838	rVV	875694	1280090	65.41%	5.716%
78	19.792	2838	2843	2848	rVB2	48902	86487	4.42%	0.386%
79	19.898	2857	2861	2867	rBV	66938	89940	4.60%	0.402%
80	19.957	2867	2871	2878	rVB3	44805	70908	3.62%	0.317%
81	20.051	2880	2887	2892	rBV2	75050	192416	9.83%	0.859%
82	20.180	2905	2909	2911	rBV4	47420	74237	3.79%	0.331%
83	20.210	2912	2914	2920	rVB	88771	109894	5.62%	0.491%
84	20.310	2928	2931	2935	rBV2	34825	45780	2.34%	0.204%
85	20.368	2935	2941	2946	rVV2	88014	163342	8.35%	0.729%
86	20.509	2962	2965	2968	rBV	37797	50662	2.59%	0.226%
87	20.962	3038	3042	3049	rVB	152748	227770	11.64%	1.017%
88	21.144	3067	3073	3077	rBV2	79265	170408	8.71%	0.761%
89	21.191	3077	3081	3084	rVV	80800	116594	5.96%	0.521%
90	21.232	3084	3088	3093	rVV2	103304	201998	10.32%	0.902%
91	21.291	3093	3098	3104	rVB	137650	230151	11.76%	1.028%
92	21.555	3135	3143	3147	rBV3	918101	1956914	100.00%	8.738%
93	21.596	3147	3150	3162	rVB	437724	752905	38.47%	3.362%
94	22.342	3272	3277	3285	rVB5	89029	198966	10.17%	0.888%
95	23.676	3497	3504	3512	rBV	288598	908977	46.45%	4.059%
96	23.805	3522	3526	3531	rVB3	62299	105242	5.38%	0.470%
97	24.369	3617	3622	3630	rVB	119171	276611	14.14%	1.235%
98	24.510	3640	3646	3656	rVB2	175717	447363	22.86%	1.998%
99	24.657	3663	3671	3679	rBV2	512716	1399152	71.50%	6.248%
100	25.809	3862	3867	3876	rVB2	107585	273698	13.99%	1.222%

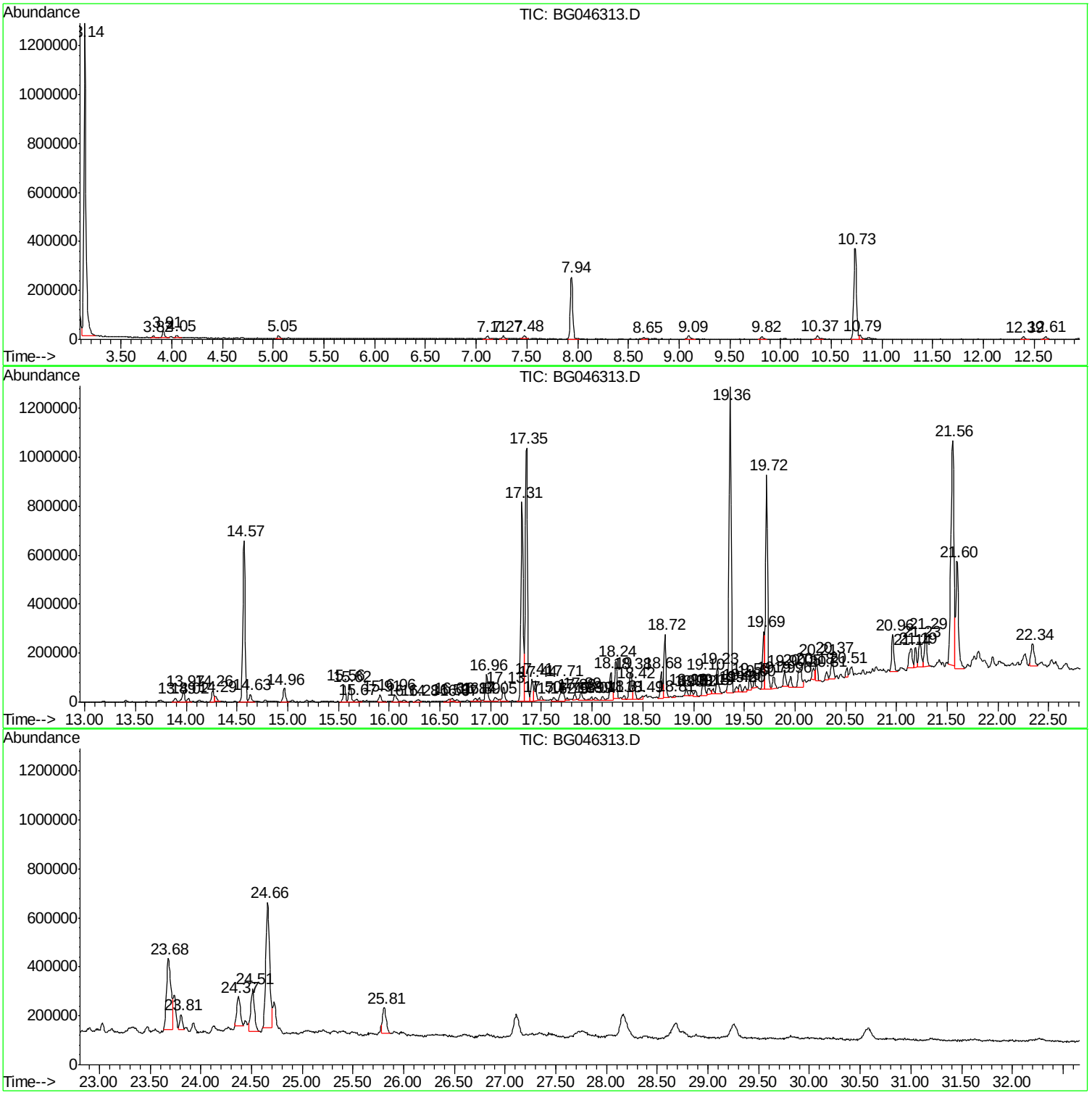
Sum of corrected areas: 22394754

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 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 : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

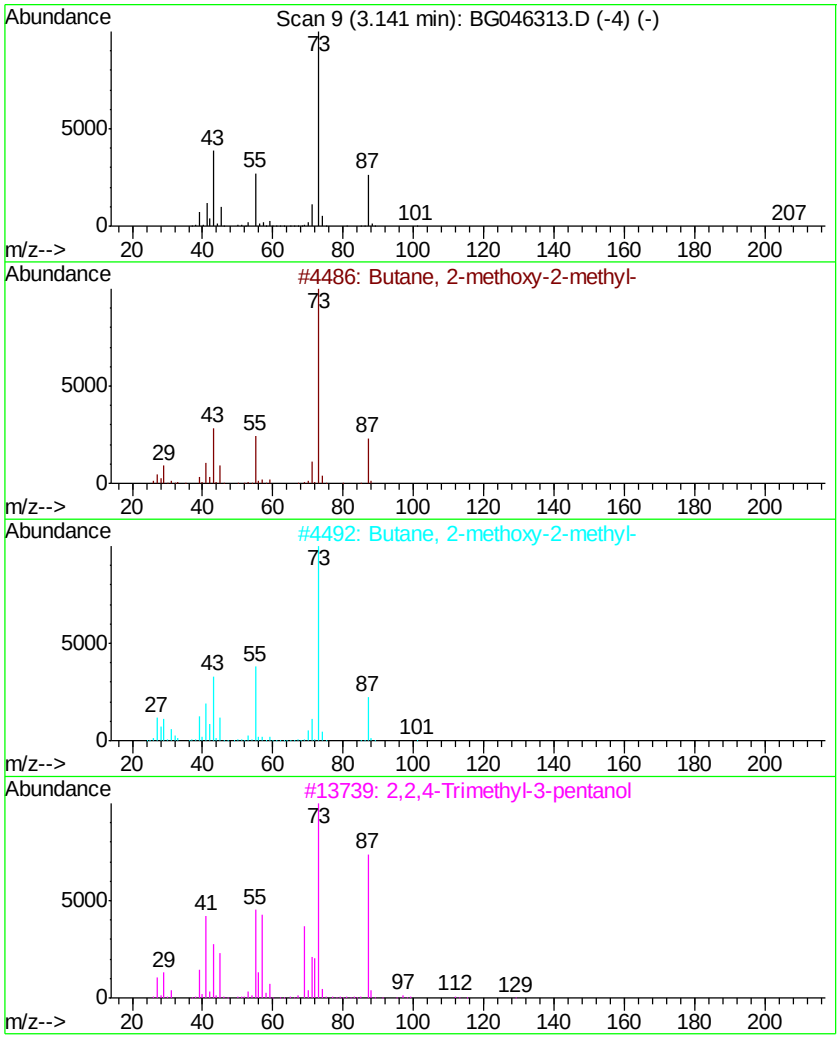
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

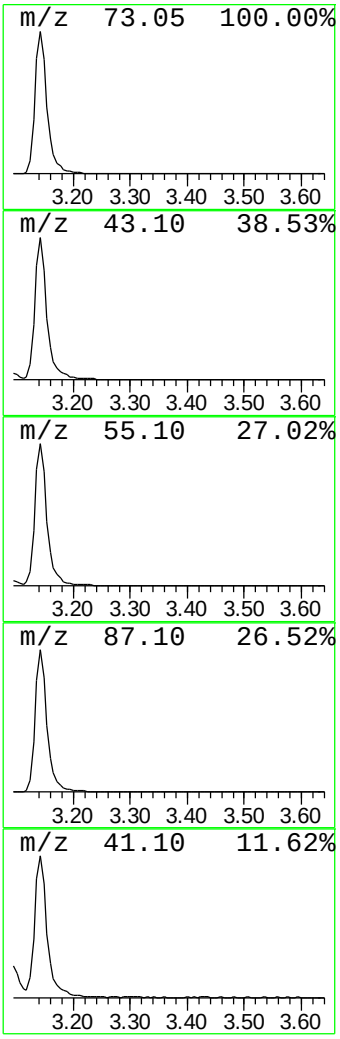
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	86.55 ng/ul	1886520	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	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

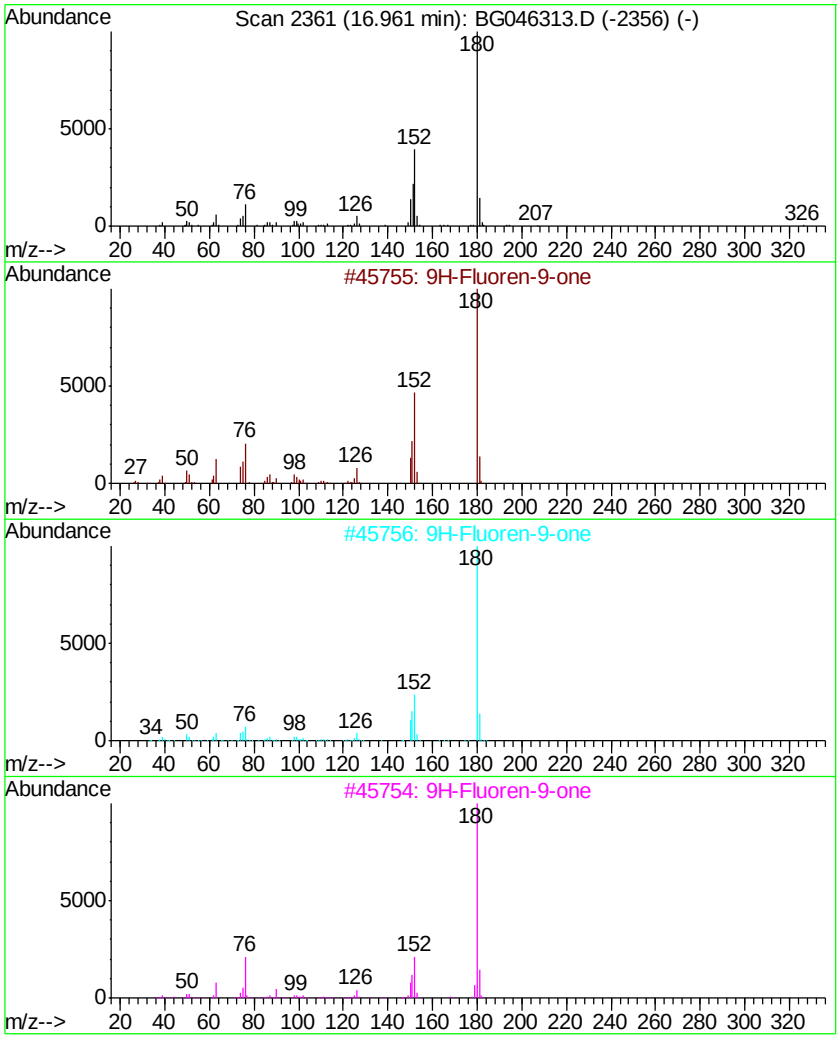
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

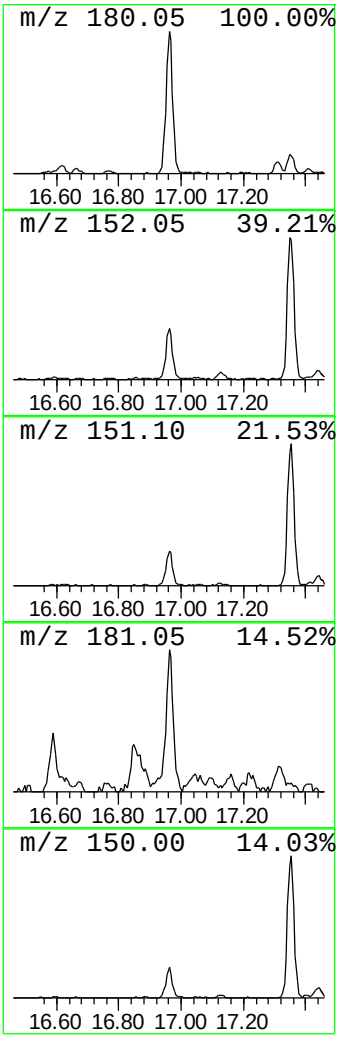
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.62 ng/ul	165404	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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

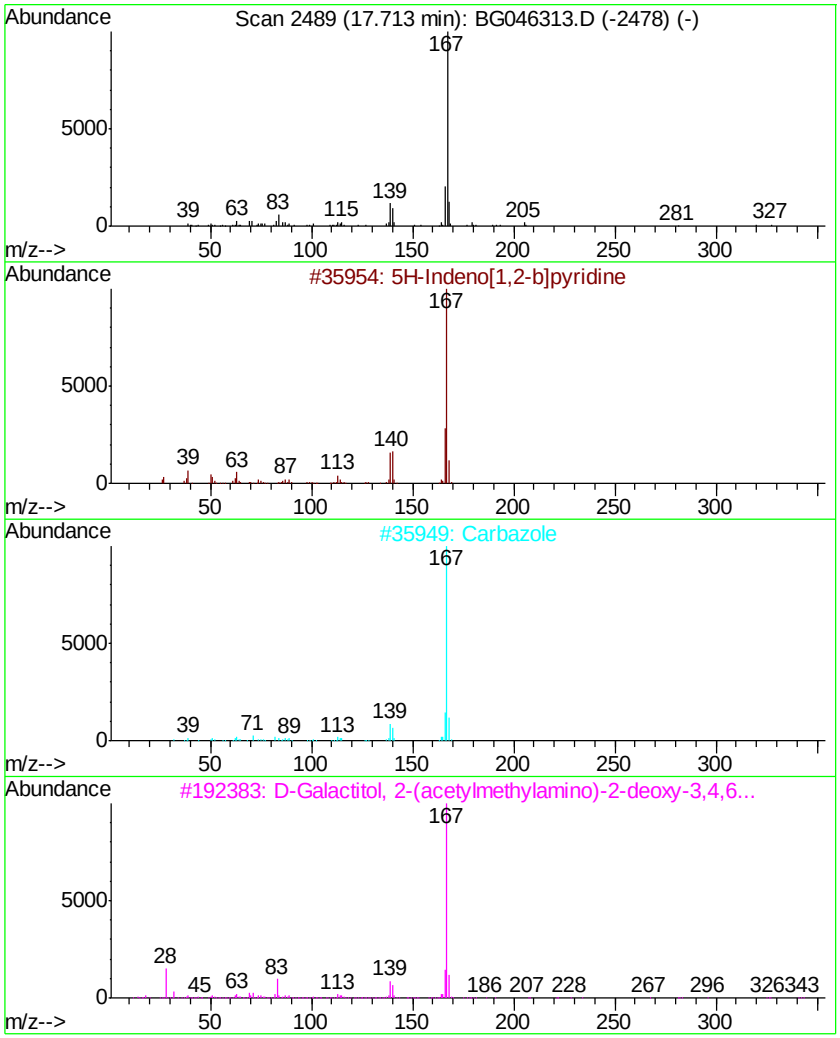
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

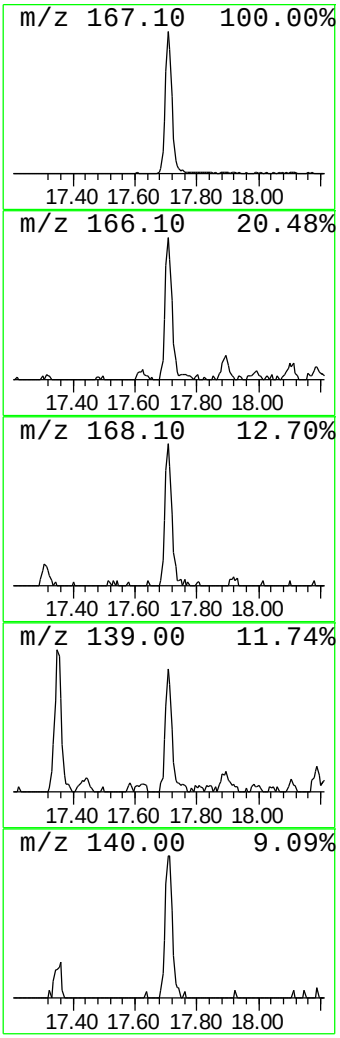
****

Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.44 ng/ul	153935	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	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	86
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	83
5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

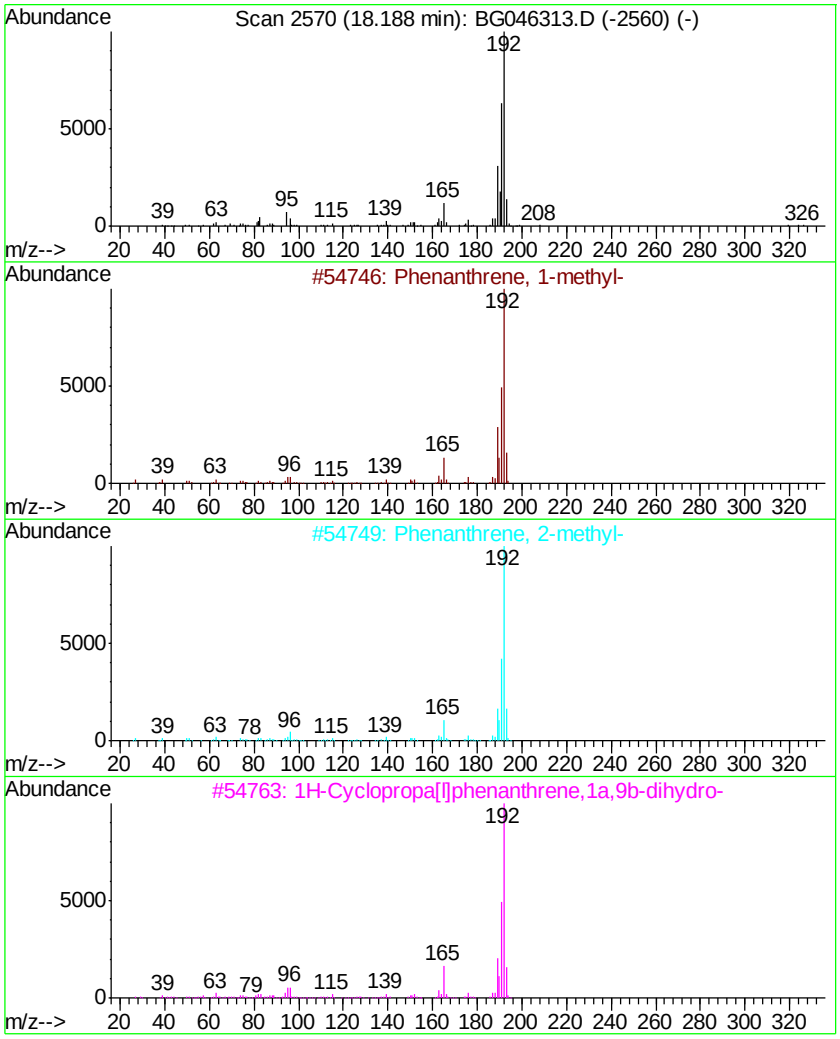
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

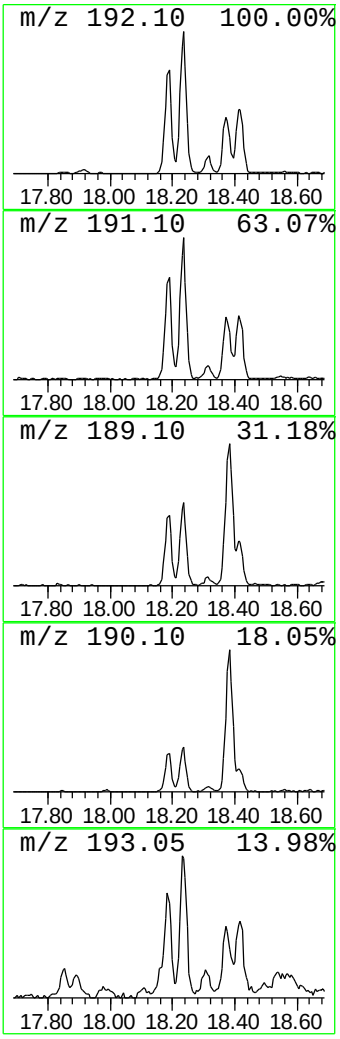
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.98 ng/ul	187930	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

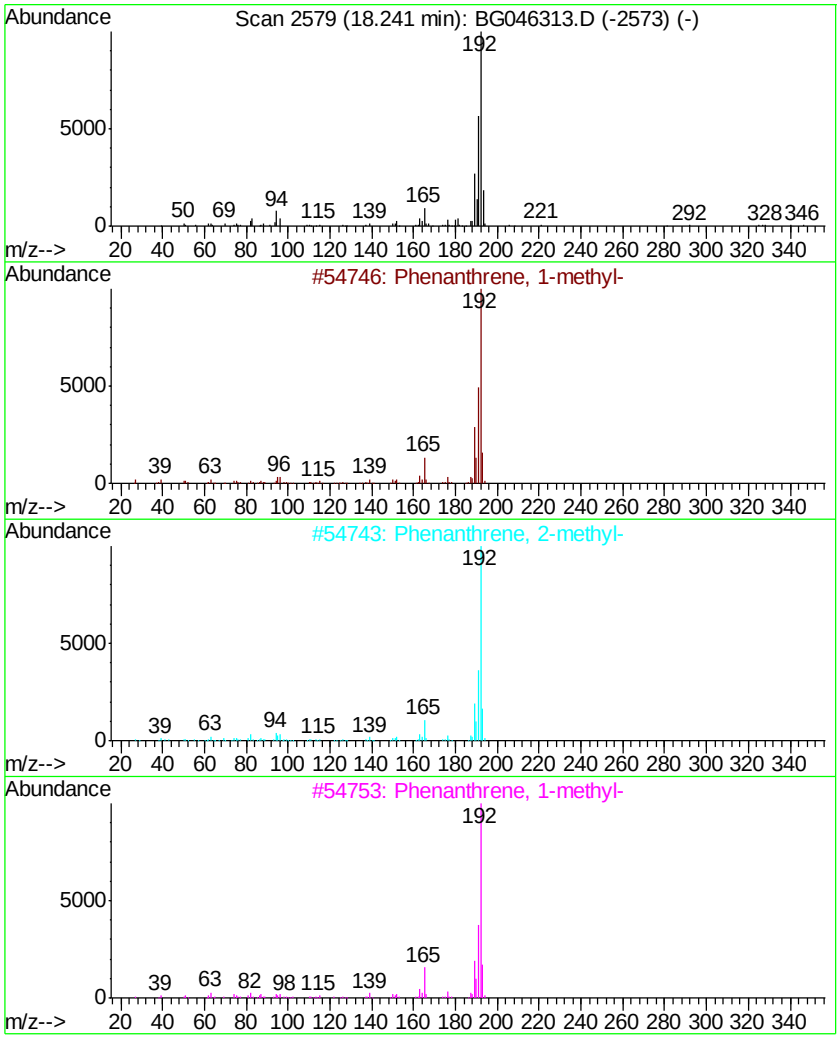
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

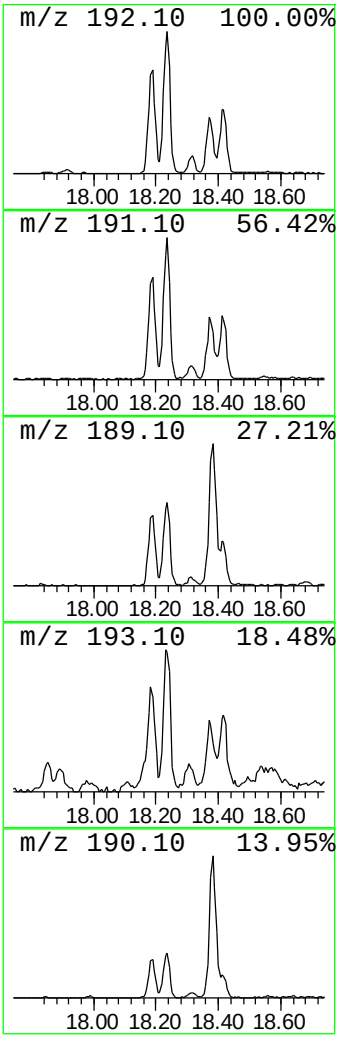
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.73 ng/ul	235655	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

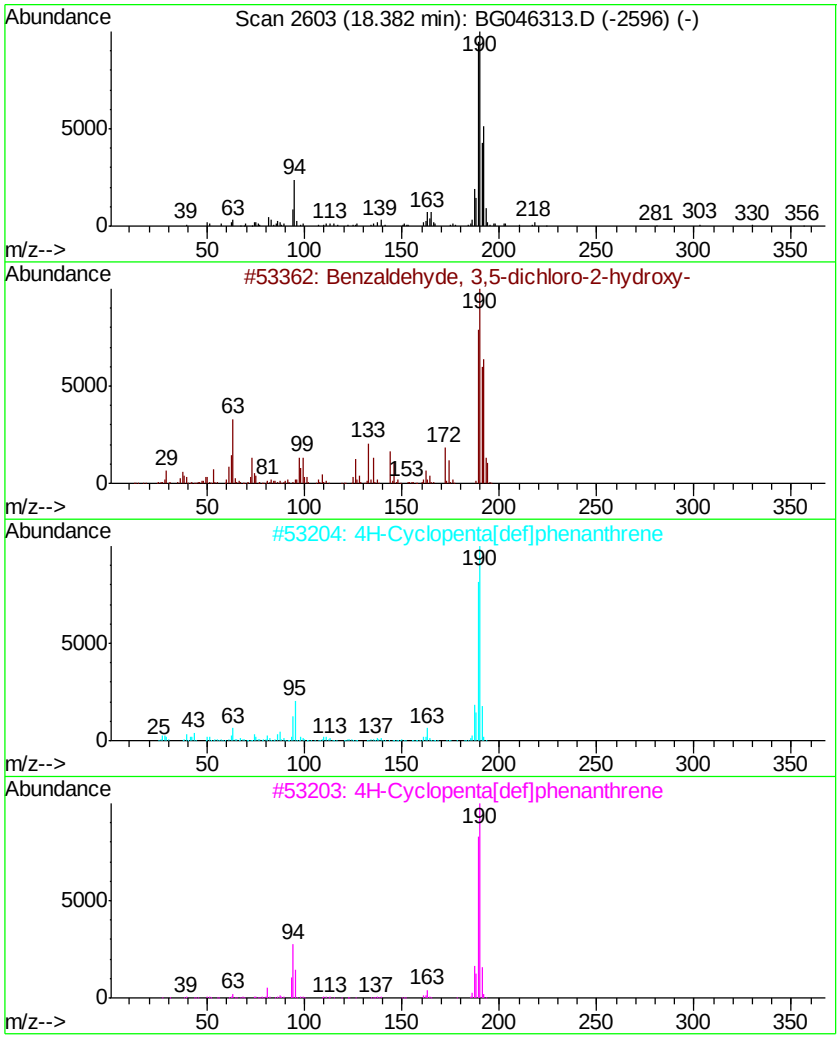
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

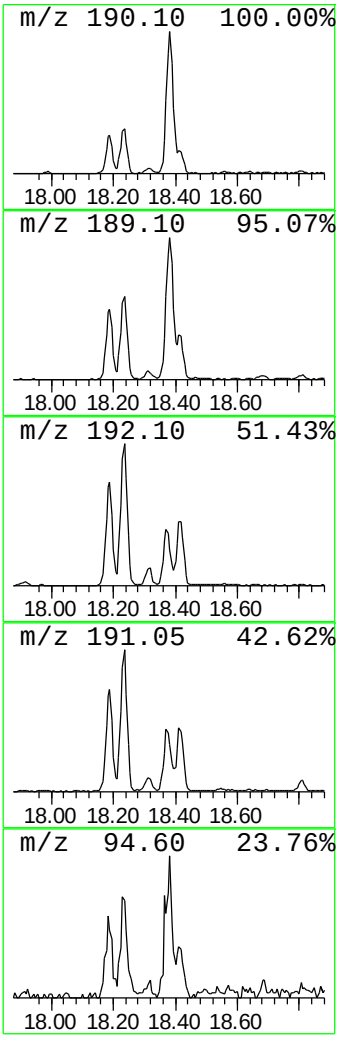
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.30 ng/ul	208509	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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

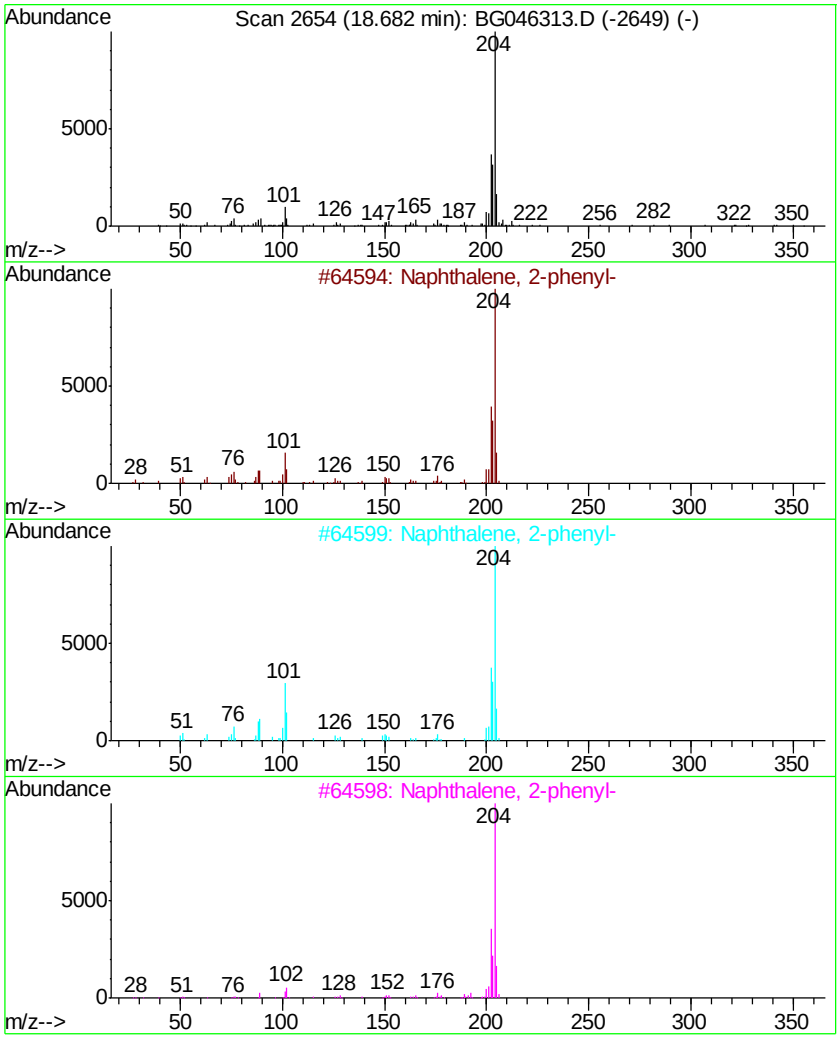
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

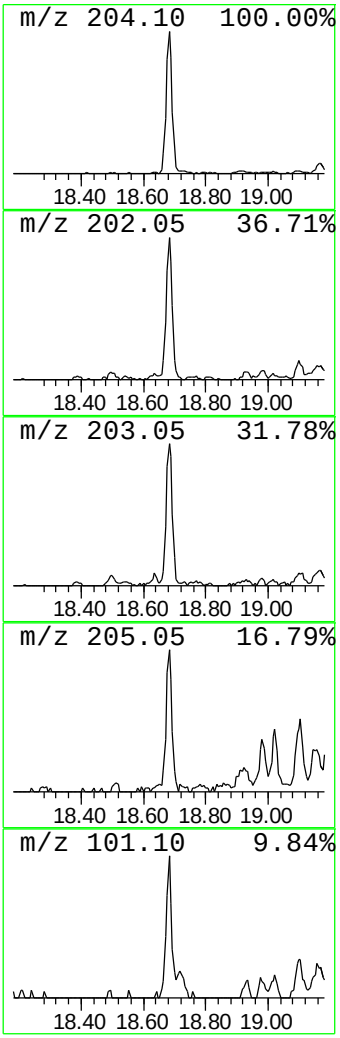
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.56 ng/ul	161463	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

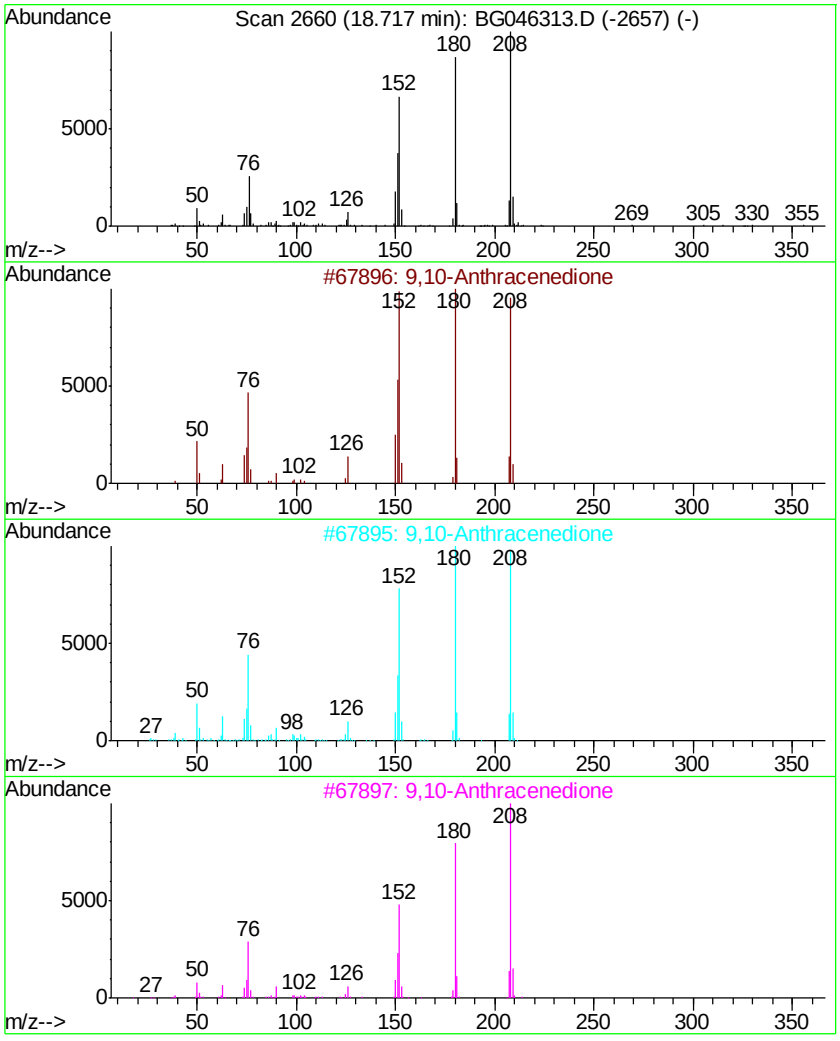
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

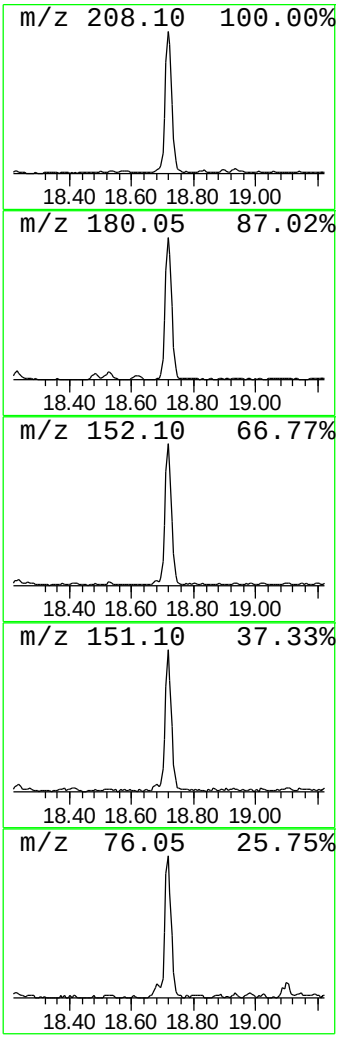
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.71 ng/ul	360532	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	94
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

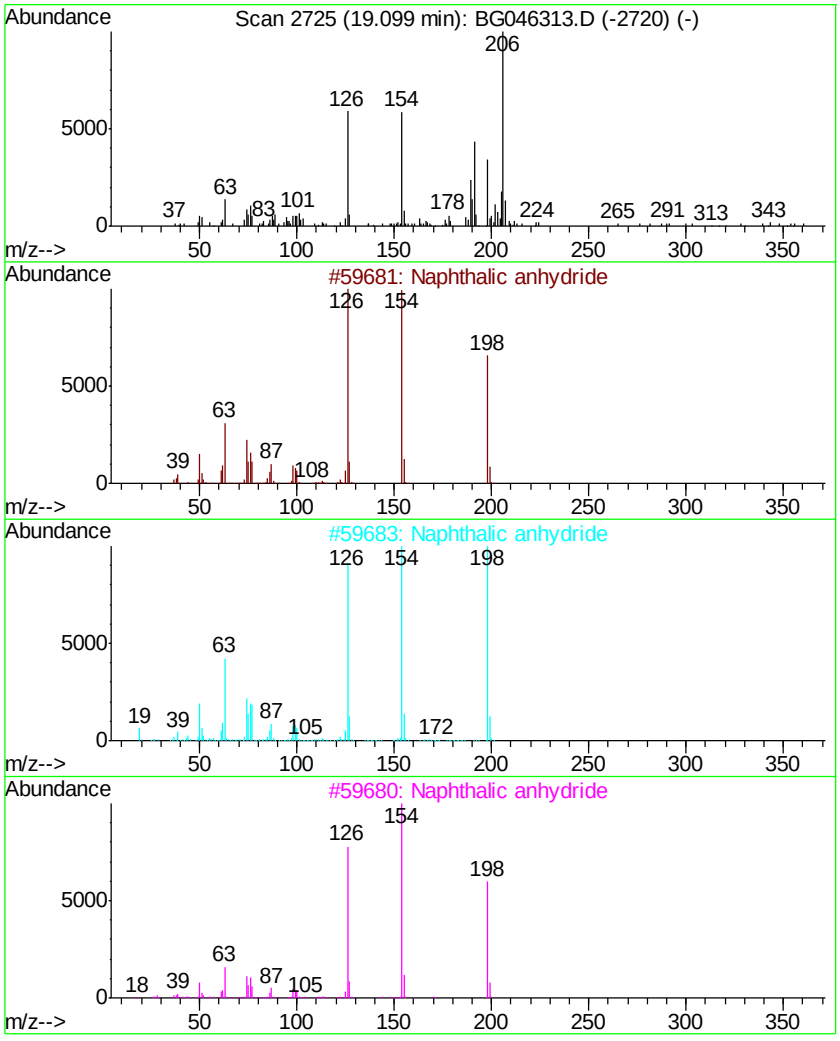
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

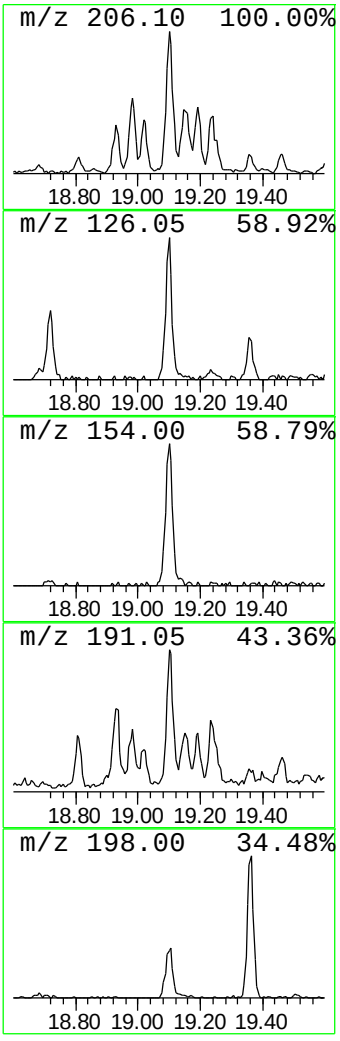
****

Peak Number 9 Naphthalic anhydride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.15 ng/ul	135407	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	76
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	70
3	Naphthalic anhydride	198	C12H6O3	000081-84-5	70
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

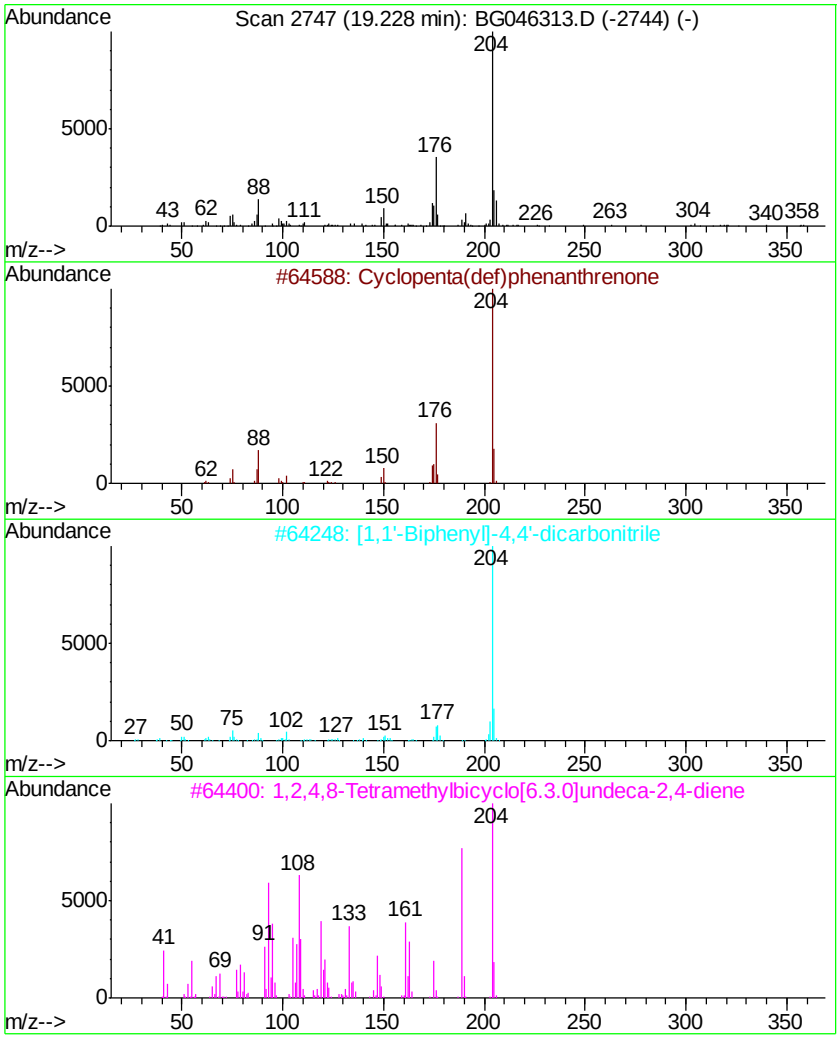
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

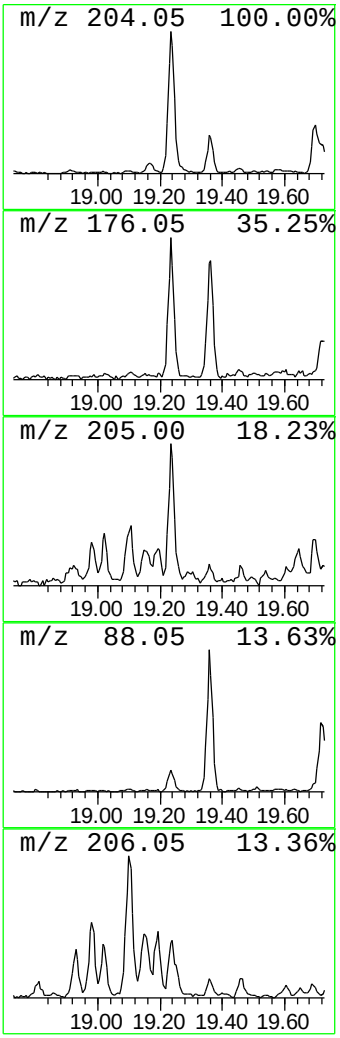
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.42 ng/ul	153002	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]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

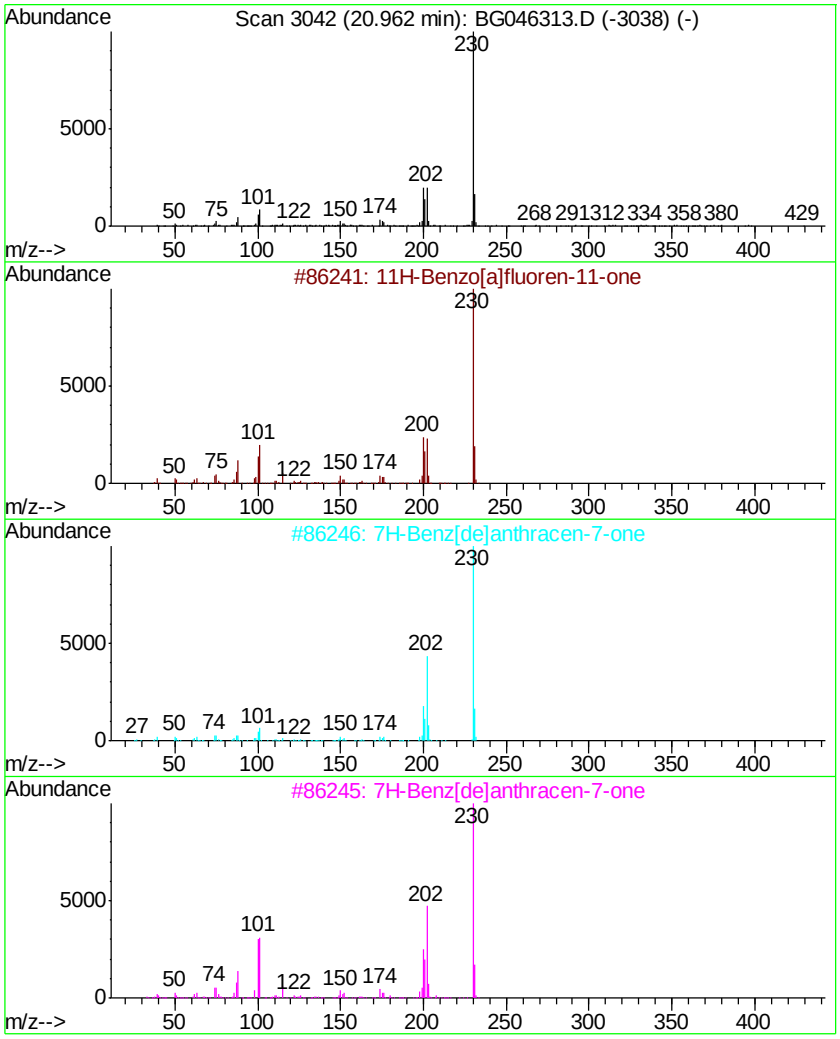
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

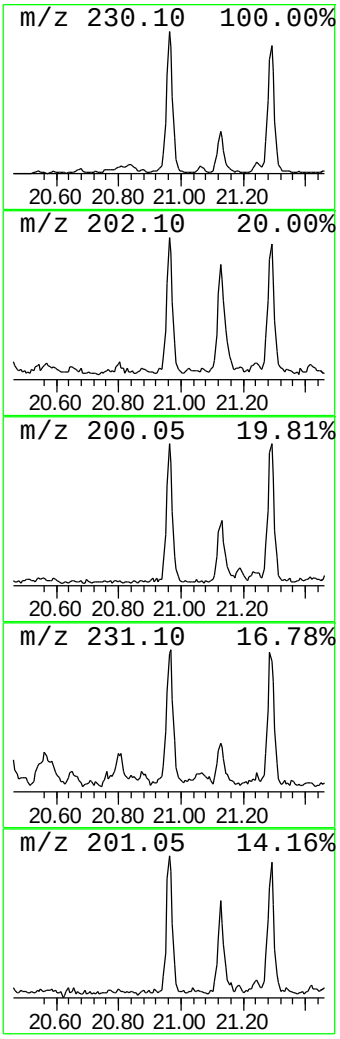
****

Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.33 ng/ul	227770	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

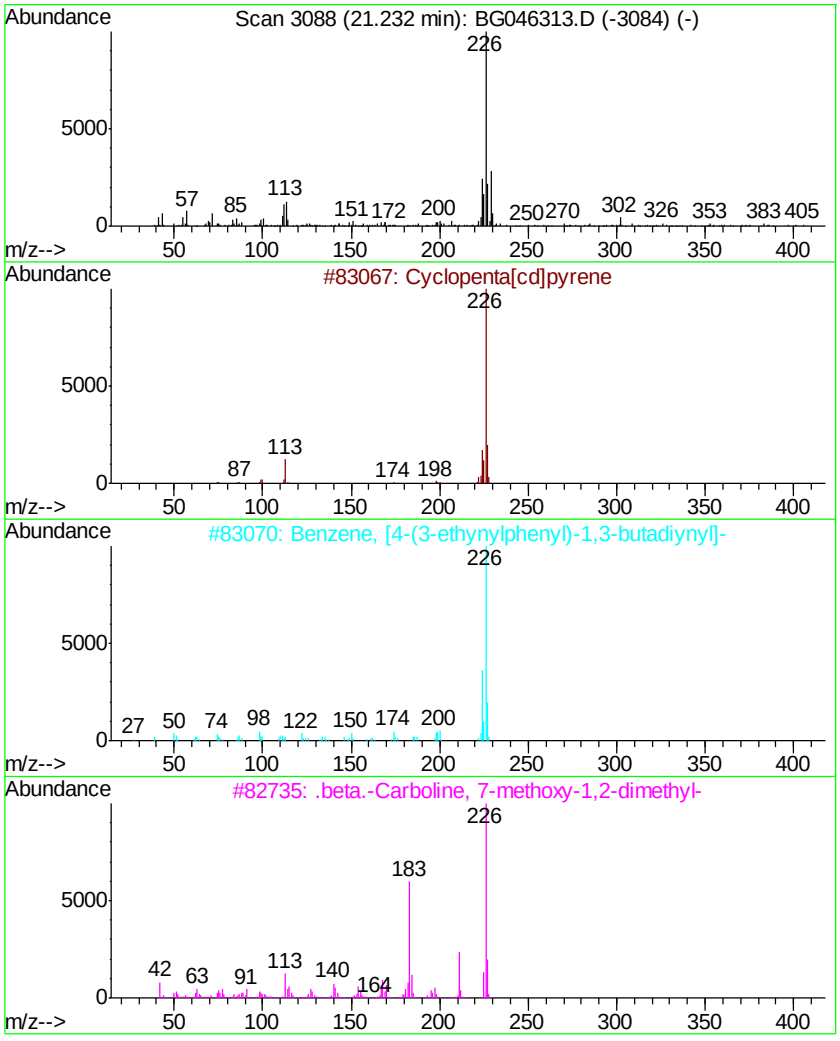
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

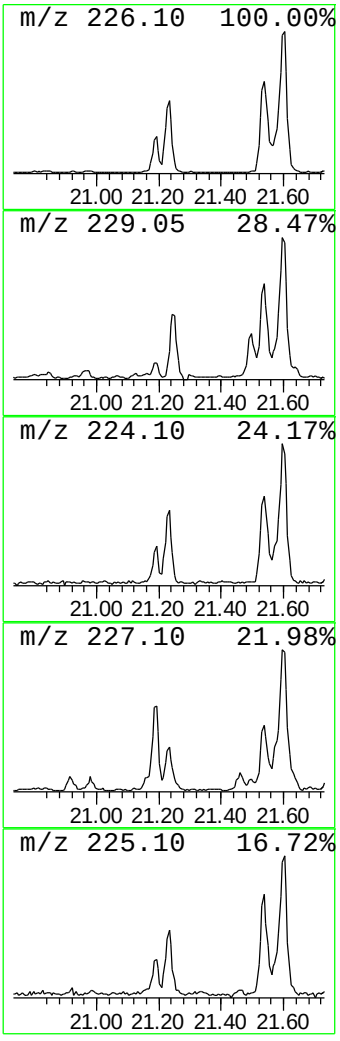
****

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.06 ng/ul	201998	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	60
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	Anthralin	226	C14H10O3	001143-38-0	43
5	Isonipecotic acid, N-(2-furoyl)-...	321	C18H27NO4	1000361-50-5	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

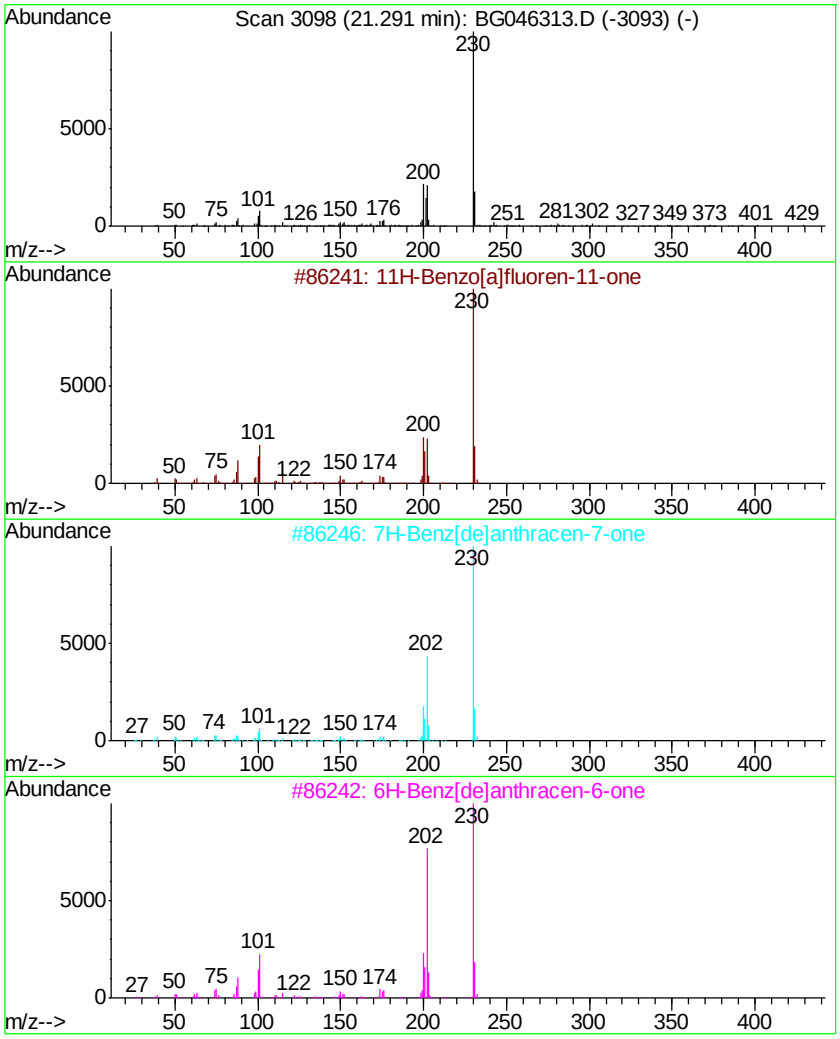
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

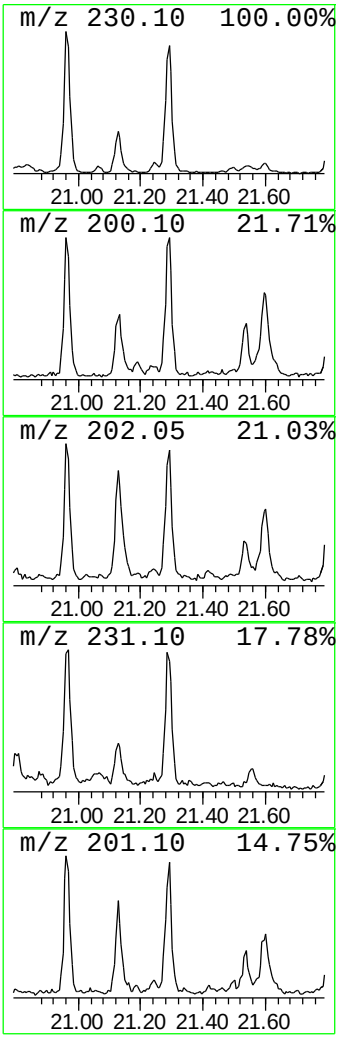
****

Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.35 ng/ul	230151	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

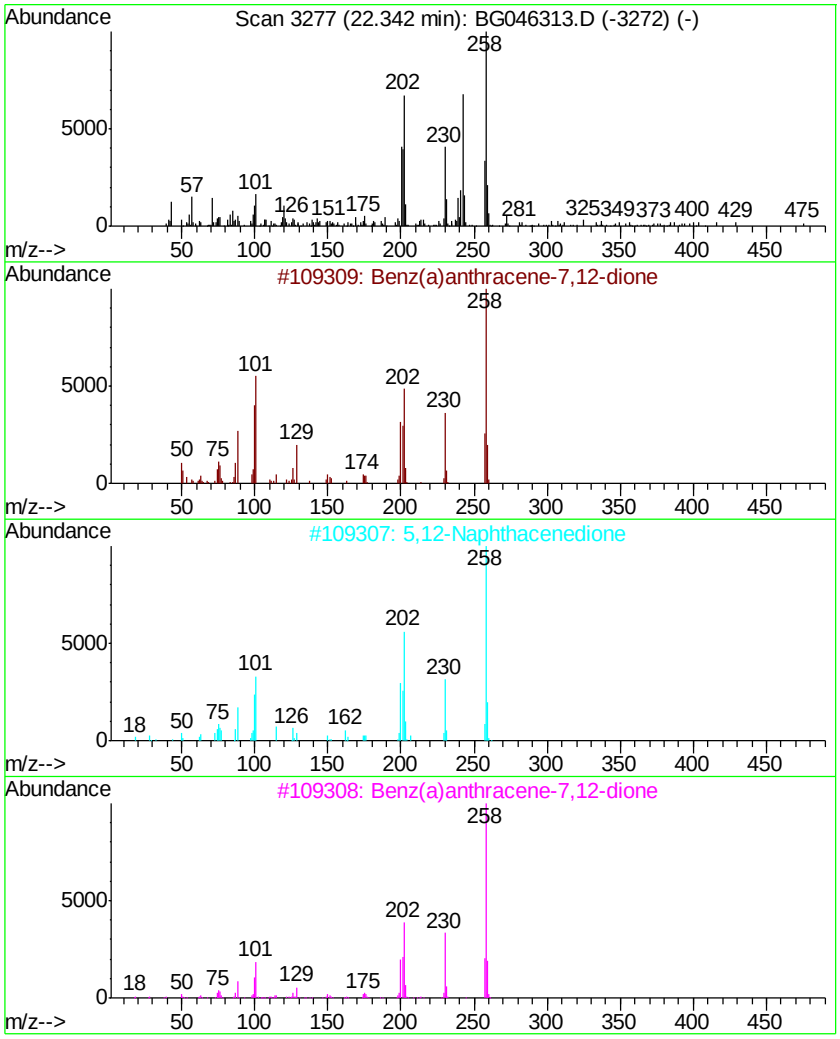
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

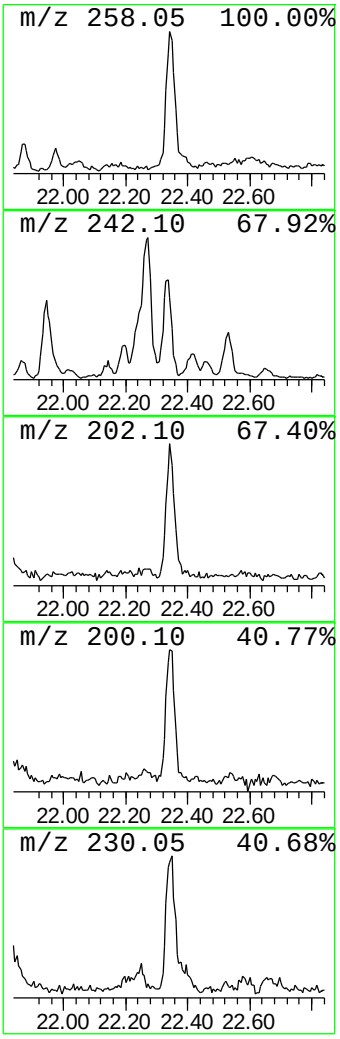
****

Peak Number 14 Benz(a)anthracene-7,12-dione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	2.03 ng/ul	198966	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	89
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	58
5	Benzo[1,2-b:3,4-b']bisbenzofuran	258	C18H10O2	000198-88-9	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

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

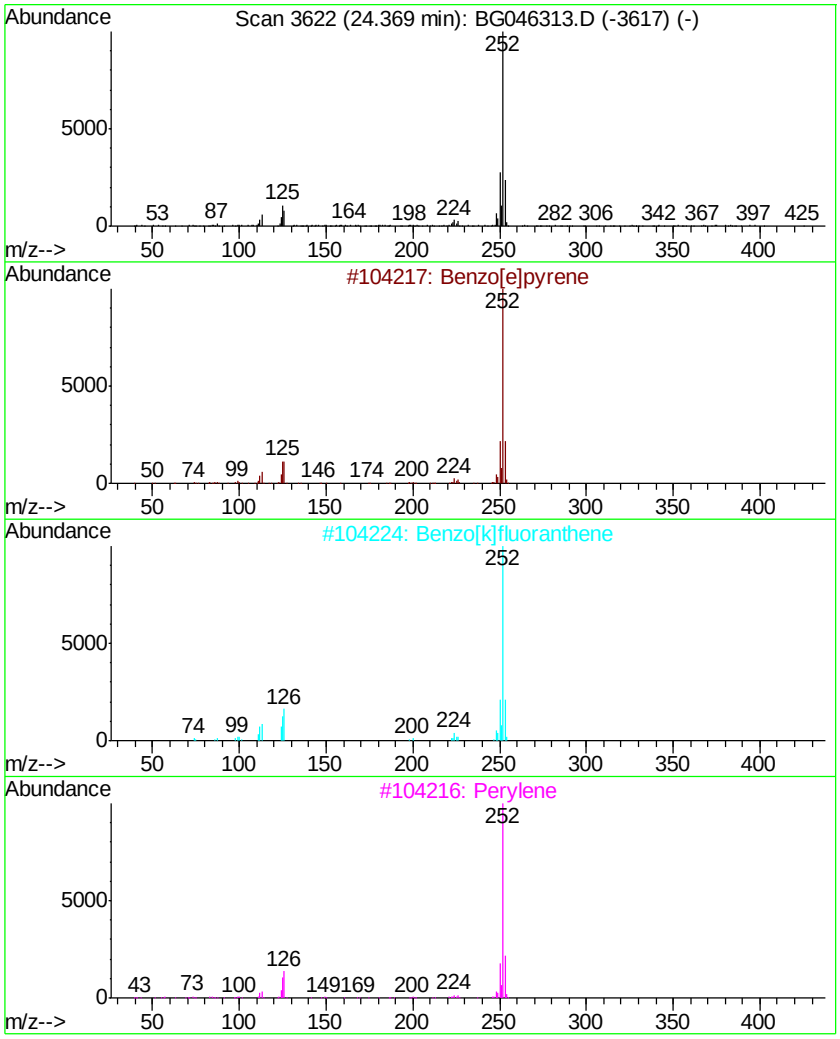
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

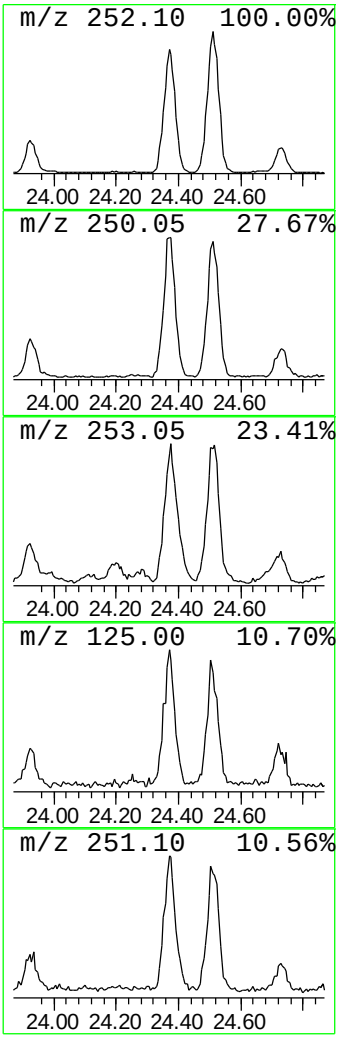
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	3.95 ng/ul	276611	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM88

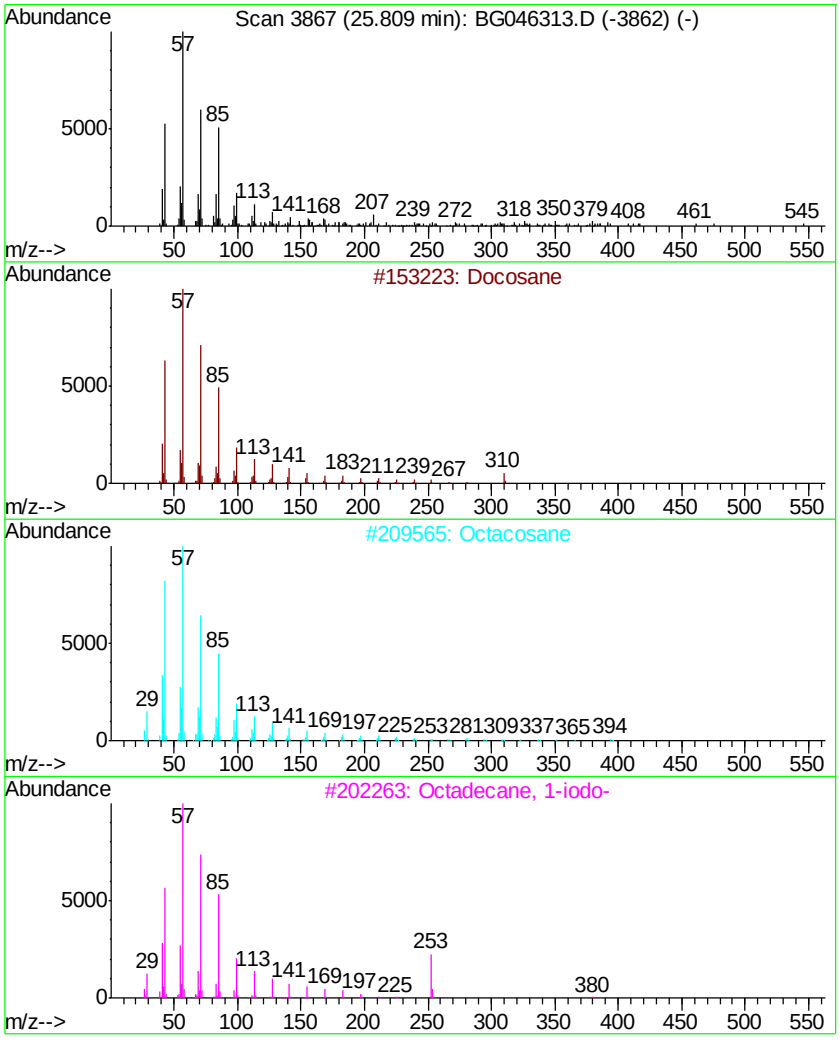
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

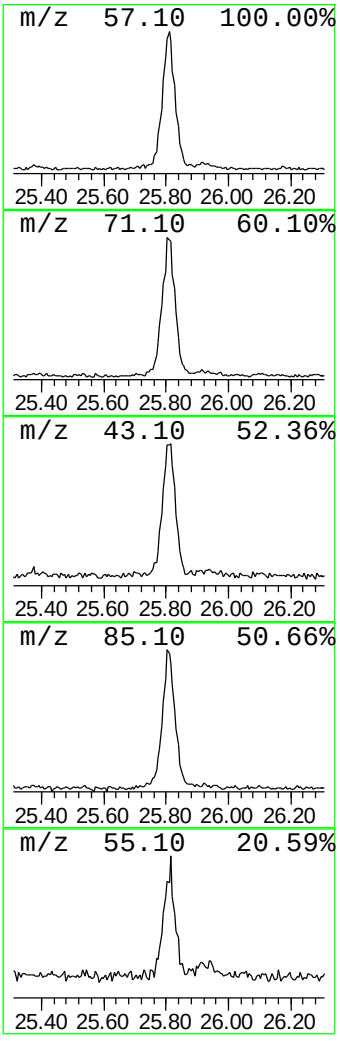
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	3.91 ng/ul	273698	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	97
2	Octacosane	394	C28H58	000630-02-4	91
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
4	Nonacosane	408	C29H60	000630-03-5	81
5	Tricosane	324	C23H48	000638-67-5	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046313.D
Acq On : 18 Aug 2020 2:38
Operator : CG/JU
Sample : L3632-10
Misc :
ALS Vial : 20 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	86.5	ng/ul	1886520	1	7.94	435921	20.0
9H-Fluoren-9-one	16.96	2.6	ng/ul	165404	4	17.31	1262290	20.0
5H-Indeno[1,2-b]p...	17.71	2.4	ng/ul	153935	4	17.31	1262290	20.0
Phenanthrene, 1-m...	18.19	3.0	ng/ul	187930	4	17.31	1262290	20.0
Phenanthrene, 2-m...	18.24	3.7	ng/ul	235655	4	17.31	1262290	20.0
Benzaldehyde, 3,5...	18.38	3.3	ng/ul	208509	4	17.31	1262290	20.0
Naphthalene, 2-ph...	18.68	2.6	ng/ul	161463	4	17.31	1262290	20.0
9,10-Anthracenedione	18.72	5.7	ng/ul	360532	4	17.31	1262290	20.0
Naphthalic anhydride	19.10	2.1	ng/ul	135407	4	17.31	1262290	20.0
Cyclopenta(def)ph...	19.23	2.4	ng/ul	153002	4	17.31	1262290	20.0
11H-Benzo[a]fluor...	20.96	2.3	ng/ul	227770	5	21.56	1956910	20.0
Cyclopenta[cd]pyrene	21.23	2.1	ng/ul	201998	5	21.56	1956910	20.0
7H-Benz[de]anthra...	21.29	2.4	ng/ul	230151	5	21.56	1956910	20.0
Benz(a)anthracene...	22.34	2.0	ng/ul	198966	5	21.56	1956910	20.0
Benzo[e]pyrene	24.37	4.0	ng/ul	276611	6	24.66	1399150	20.0
(DEL) Alkane: Str...	25.81	3.9	ng/ul	273698	6	24.66	1399150	20.0