LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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	5	9	40	rVB	1235172	2170404	92.82%	7.528%
2	3.916	137	141	148	rBV	35069	51747	2.21%	0.179%
3	7.107	677	684	692	rBV	41566	81318	3.48%	0.282%
4	7.265	705	711	718	rBV	40527	66688	2.85%	0.231%
5	7.477	741	747	758	rVB	45611	83682	3.58%	0.290%
6	7.941	819	826	836	rBV	241818	411032	17.58%	1.426%
7	8.646	939	946	953	rVV2	49128	88086	3.77%	0.306%
8	9.093	1014	1022	1029	rBV	46821	82250	3.52%	0.285%
9	9.815	1138	1145	1156	rBV2	34894	68238	2.92%	0.237%
10	10.362	1231	1238	1248	rBV	55890	101695	4.35%	0.353%
11	10.738	1293	1302	1307	rBV	348181	628155	26.86%	2.179%
12	10.785	1307	1310	1317	rVB	87972	144943	6.20%	0.503%
13	10.867	1317	1324	1335	rBV3	27281	60447	2.59%	0.210%
14	12.395	1578	1584	1591	rBV	64330	103468	4.42%	0.359%
15	12.612	1610	1621	1629	rBV	46159	77015	3.29%	0.267%
16	13.399	1750	1755	1763	rVV2	20226	33890	1.45%	0.118%
17	13.893	1828	1839	1844	rBV2	44267	80365	3.44%	0.279%
18	13.969	1844	1852	1857	rVV	132294	236312	10.11%	0.820%
19	14.016	1857	1860	1867	rVV	58592	78529	3.36%	0.272%
20	14.128	1875	1879	1883	rVV	21975	35224	1.51%	0.122%
21	14.257	1895	1901	1914	rBV2	131937	257784	11.02%	0.894%
22	14.568	1944	1954	1960	rVV2	588811	922920	39.47%	3.201%
23	14.627	1960	1964	1971	rVV	112381	186858	7.99%	0.648%
24	14.768	1980	1988	1999	rBV5	27436	68915	2.95%	0.239%
25	14.968	2015	2022	2029	rVV	125991	208869	8.93%	0.724%
26	15.185	2051	2059	2064	rBV2	21119	38942	1.67%	0.135%
27	15.362	2080	2089	2092	rVV3	16865	41107	1.76%	0.143%
28	15.561	2115	2123	2127	rVV	186366	303554	12.98%	1.053%
29	15.614	2127	2132	2138	rVV	177809	285885	12.23%	0.992%
30	15.673	2138	2142	2146	rVV2	36727	65409	2.80%	0.227%
31	15.738	2150	2153	2156	rVV	29678	42022	1.80%	0.146%
32	15.779	2156	2160	2164	rVV2	33309	54212	2.32%	0.188%
33	15.867	2171	2175	2178	rVV	21758	35301	1.51%	0.122%
34	15.908	2178	2182	2191	rVB	69177	114500	4.90%	0.397%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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	16.055	2202	2207	2215	rVV	82788	176412	7.54%	0.612%
36	16.149	2215	2223	2231	rVB4	19825	41629	1.78%	0.144%
37	16.290	2241	2247	2255	rVB8	19042	39806	1.70%	0.138%
38	16.595	2290	2299	2300	rBV3	30694	57448	2.46%	0.199%
39	16.619	2300	2303	2308	rVB3	40824	58893	2.52%	0.204%
40	16.666	2308	2311	2317	rVB3	26328	38123	1.63%	0.132%
41	16.848	2338	2342	2345	rVV2	31707	44361	1.90%	0.154%
42	16.889	2345	2349	2352	rVV3	32763	44187	1.89%	0.153%
43	16.960	2356	2361	2369	rVB	103601	168494	7.21%	0.584%
44	17.042	2369	2375	2382	rBV4	50529	123367	5.28%	0.428%
45	17.130	2386	2390	2399	rVB	71355	122238	5.23%	0.424%
46	17.312	2415	2421	2424	rBV	719007	1132722	48.44%	3.929%
47	17.353	2424	2428	2433	rVV	1182928	1729570	73.97%	5.999%
48	17.406	2433	2437	2440	rVV	233736	338247	14.47%	1.173%
49	17.442	2440	2443	2449	rVB	292988	407215	17.41%	1.412%
50	17.500	2449	2453	2459	rVB2	54668	87296	3.73%	0.303%
51	17.706	2479	2488	2493	rBV2	145353	289391	12.38%	1.004%
52	17.888	2516	2519	2529	rVB6	33919	61333	2.62%	0.213%
53	18.029	2539	2543	2552	rVB4	14933	34651	1.48%	0.120%
54	18.188	2560	2570	2573	rBV	213682	360429	15.41%	1.250%
55	18.235	2573	2578	2586	rVB	310695	479514	20.51%	1.663%
56	18.317	2586	2592	2597	rBV	116410	176243	7.54%	0.611%
57	18.382	2597	2603	2607	rBV3	240626	480040	20.53%	1.665%
58	18.417	2607	2609	2614	rVB	141972	162397	6.95%	0.563%
59	18.487	2617	2621	2624	rVV3	23658	39519	1.69%	0.137%
60	18.529	2624	2628	2633	rVB2	28168	47673	2.04%	0.165%
61	18.681	2649	2654	2657	rBV	146259	202086	8.64%	0.701%
62	18.717	2657	2660	2666	rVB	129026	181363	7.76%	0.629%
63	18.805	2672	2675	2683	rBV5	18428	33594	1.44%	0.117%
64	18.928	2692	2696	2700	rVV2	68081	100639	4.30%	0.349%
65	18.981	2701	2705	2708	rVV	52601	79277	3.39%	0.275%
66	19.016	2708	2711	2715	rVB2	59487	80757	3.45%	0.280%
67	19.098	2720	2725	2730	rBV2	109850	194717	8.33%	0.675%
68	19.163	2731	2736	2739	rBV3	53243	89387	3.82%	0.310%
69	19.234	2744	2748	2757	rVB2	110308	206426	8.83%	0.716%
70	19.363	2764	2770	2776	rBV	1237696	1718279	73.48%	5.960%
71	19.422	2776	2780	2783	rBV	33374	45931	1.96%	0.159%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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	19.457	2783	2786	2791	rVB2	50444	72211	3.09%	0.250%
73	19.551	2798	2802	2806	rBV3	52674	88965	3.80%	0.309%
74	19.692	2821	2826	2828	rBV3	504667	749931	32.07%	2.601%
75	19.721	2828	2831	2839	rVV	914261	1286770	55.03%	4.463%
76	19.792	2839	2843	2851	rVB2	93062	163188	6.98%	0.566%
77	19.898	2857	2861	2868	rBV	97556	137408	5.88%	0.477%
78	19.962	2868	2872	2877	rVB	84419	130144	5.57%	0.451%
79	20.039	2880	2885	2887	rBV	125027	216588	9.26%	0.751%
80	20.180	2905	2909	2911	rBV3	66811	109665	4.69%	0.380%
81	20.215	2911	2915	2919	rVB	214961	294527	12.60%	1.022%
82	20.315	2928	2932	2935	rBV	117699	145856	6.24%	0.506%
83	20.368	2935	2941	2946	rVV2	151870	298854	12.78%	1.037%
84	20.450	2952	2955	2960	rBV2	42693	59350	2.54%	0.206%
85	20.514	2962	2966	2969	rBV	65578	89142	3.81%	0.309%
86	20.556	2970	2973	2978	rVB3	78106	111112	4.75%	0.385%
87	20.967	3039	3043	3050	rVB	157875	253448	10.84%	0.879%
88	21.143	3067	3073	3077	rBV2	91666	222862	9.53%	0.773%
89	21.190	3077	3081	3084	rVV	120245	195726	8.37%	0.679%
90	21.231	3084	3088	3094	rVV3	148527	335559	14.35%	1.164%
91	21.290	3094	3098	3106	rVB	166929	285670	12.22%	0.991%
92	21.554	3135	3143	3148	rBV2	986188	2338326	100.00%	8.110%
93	21.601	3148	3151	3164	rVB	489668	779291	33.33%	2.703%
94	21.754	3173	3177	3183	rBV6	60466	150592	6.44%	0.522%
95	22.265	3261	3264	3269	rVB	129379	211224	9.03%	0.733%
96	23.687	3498	3506	3512	rBV	276897	869457	37.18%	3.016%
97	23.811	3522	3527	3531	rBV2	80772	142019	6.07%	0.493%
98	24.375	3617	3623	3629	rBV	116861	257364	11.01%	0.893%
99	24.510	3641	3646	3659	rVB	218877	594380	25.42%	2.062%
100	24.663	3664	3672	3680	rBV2	460390	1258684	53.83%	4.366%

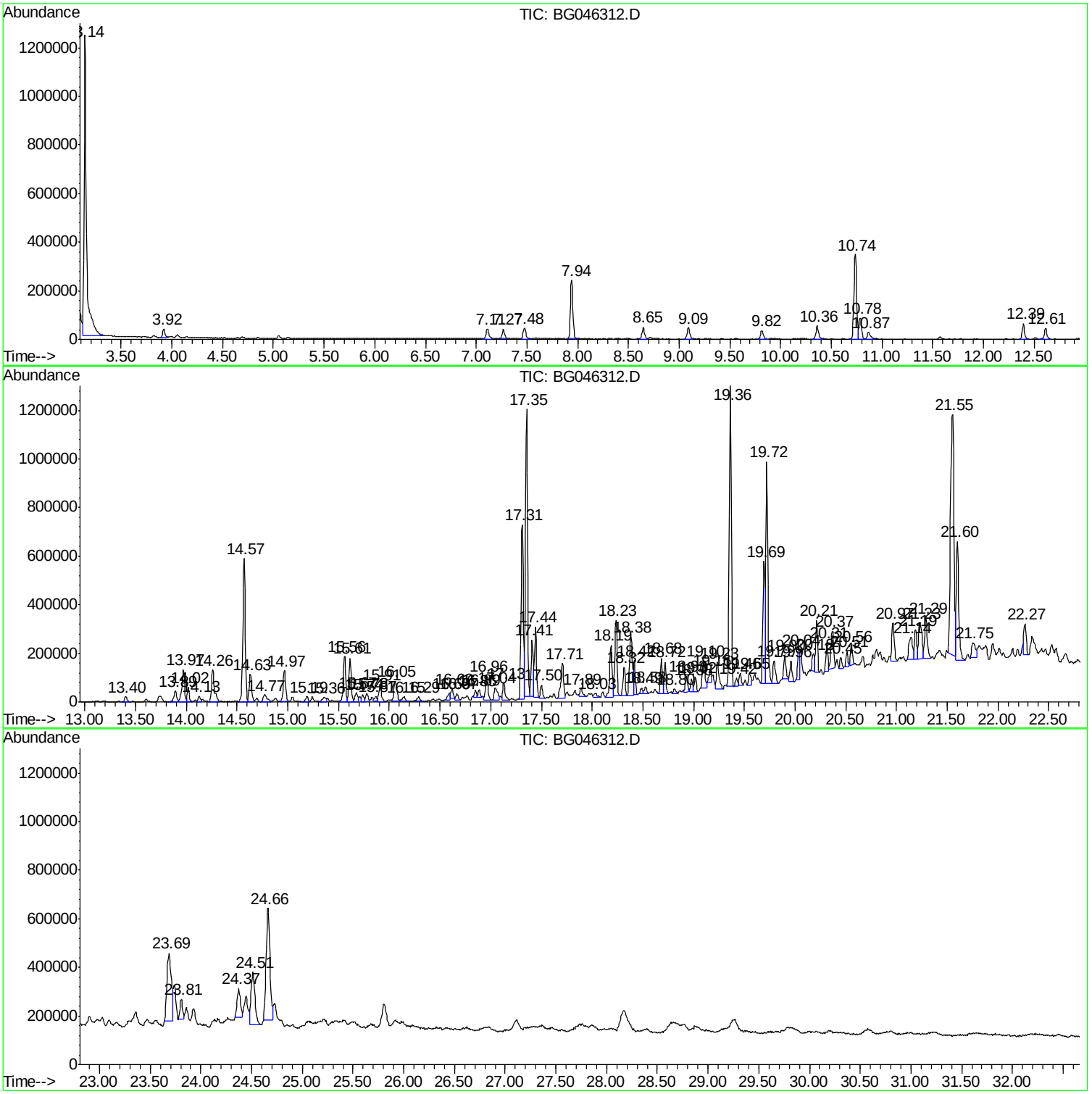
Sum of corrected areas: 28831733

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BFM96

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 : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

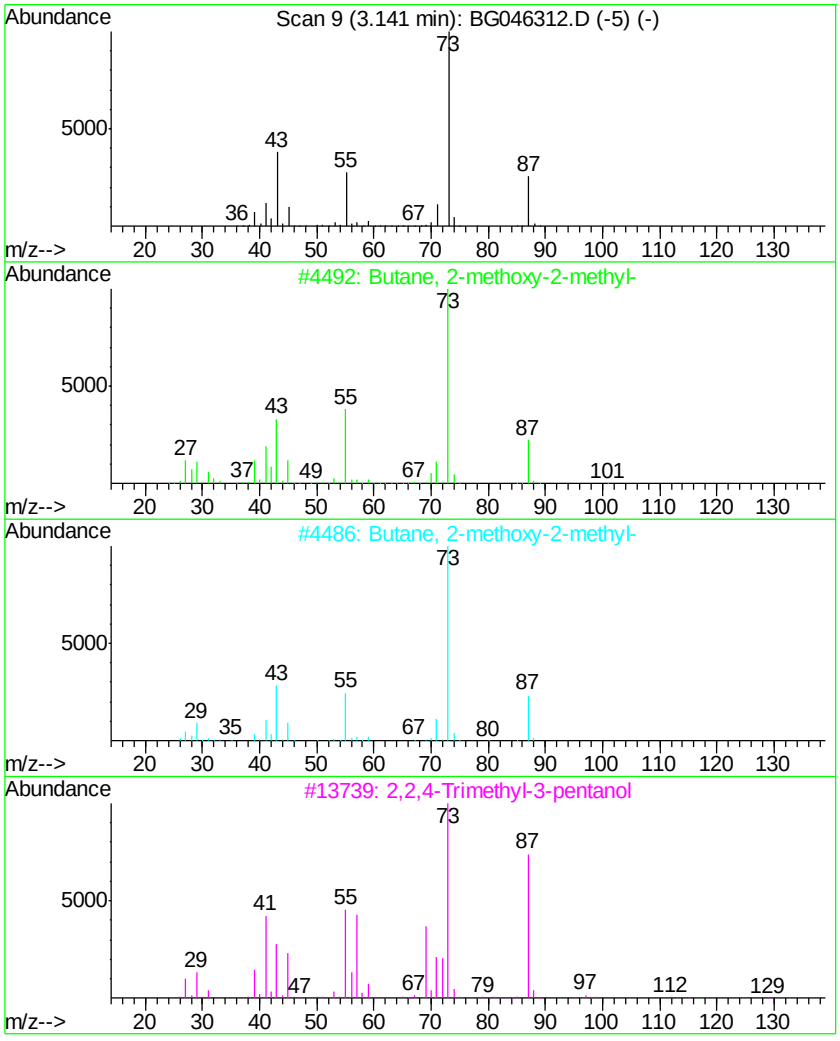
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

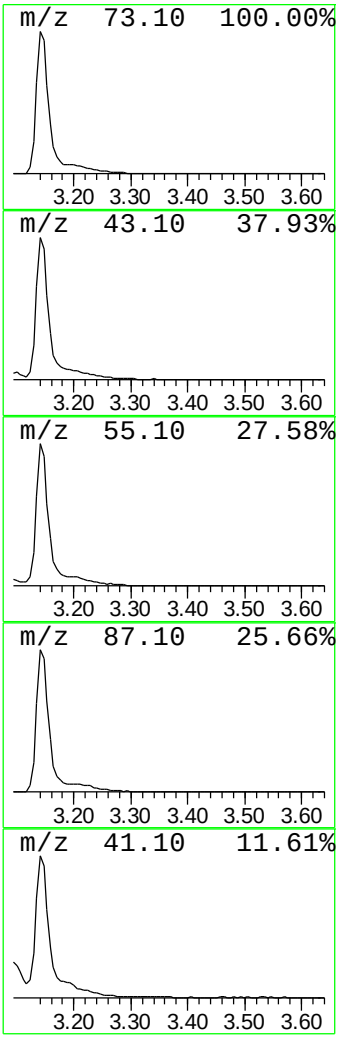
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	105.61 ng/ul	2170400	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

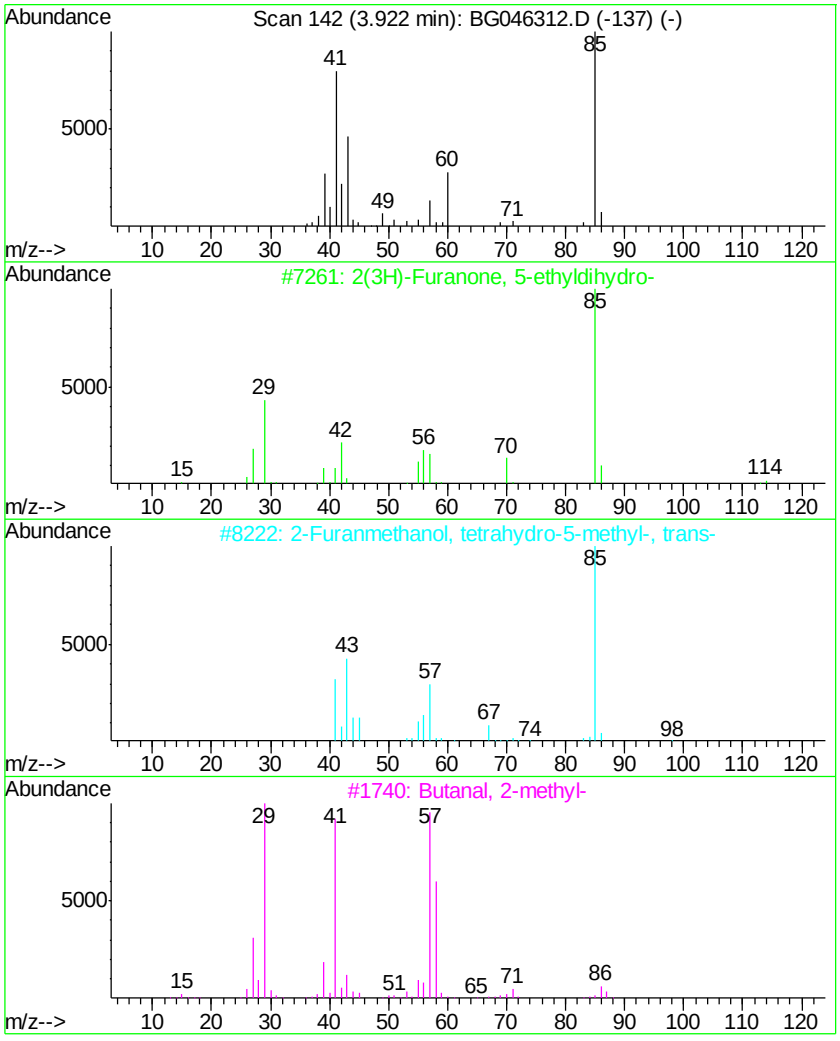
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

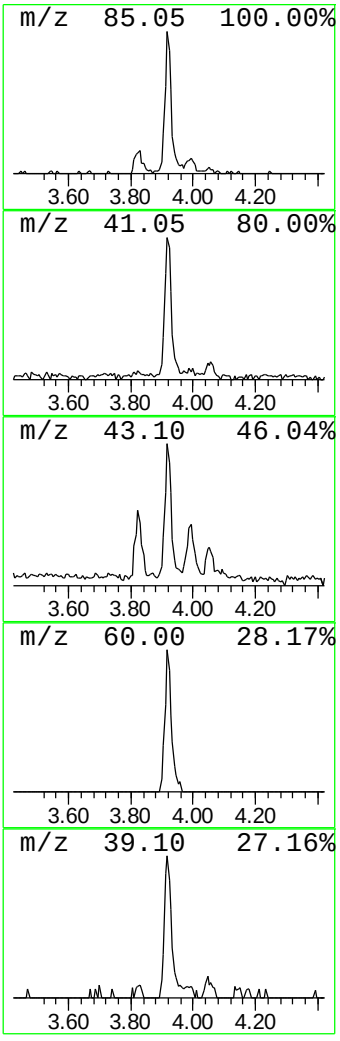
****

Peak Number 2 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.52 ng/ul	51747	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	33
2	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	28
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	dl-Glyceraldehyde dimer	180	C6H12O6	026793-98-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

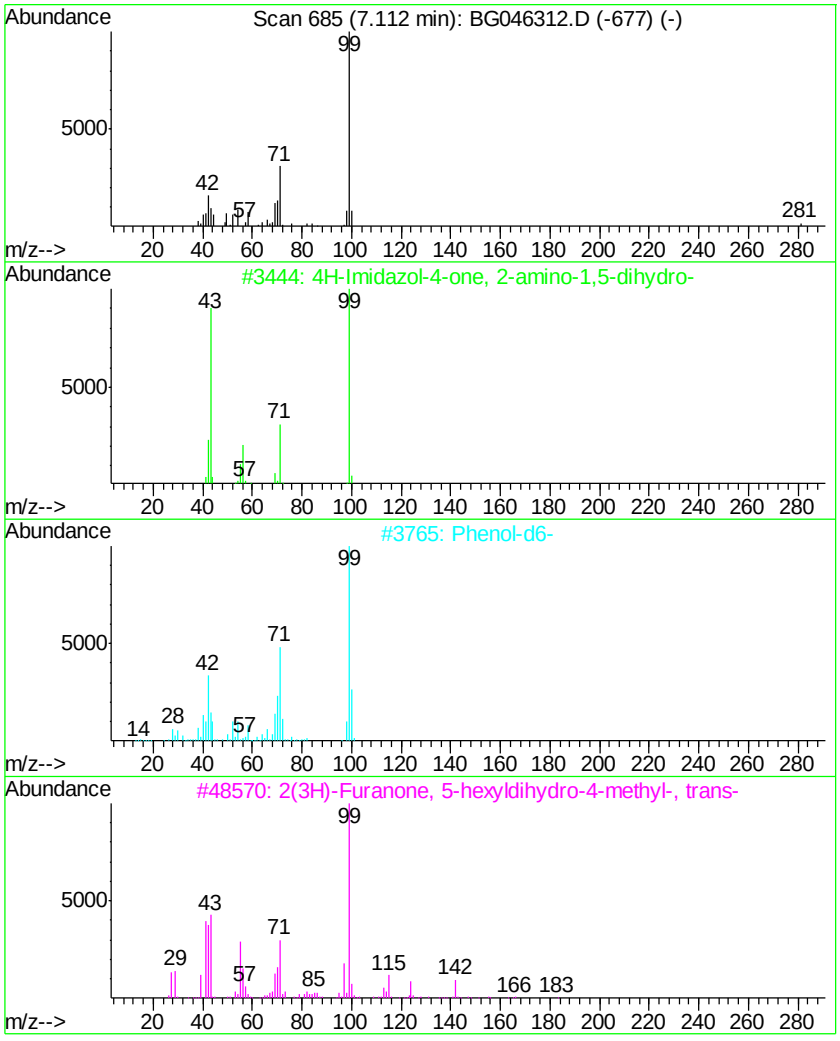
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

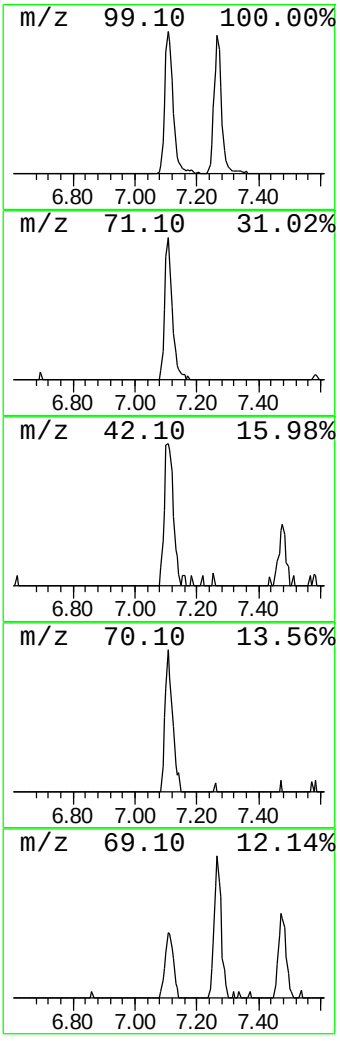
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Imidazol-4-one, 2-amino-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	3.96 ng/ul	81318	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	72
2	Phenol-d6-	100	C6D6O	013127-88-3	64
3	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56
4	Hexanoic acid, 4-octyl ester	228	C14H28O2	1000160-13-3	56
5	Thiazole, 5-methyl-	99	C4H5NS	003581-89-3	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

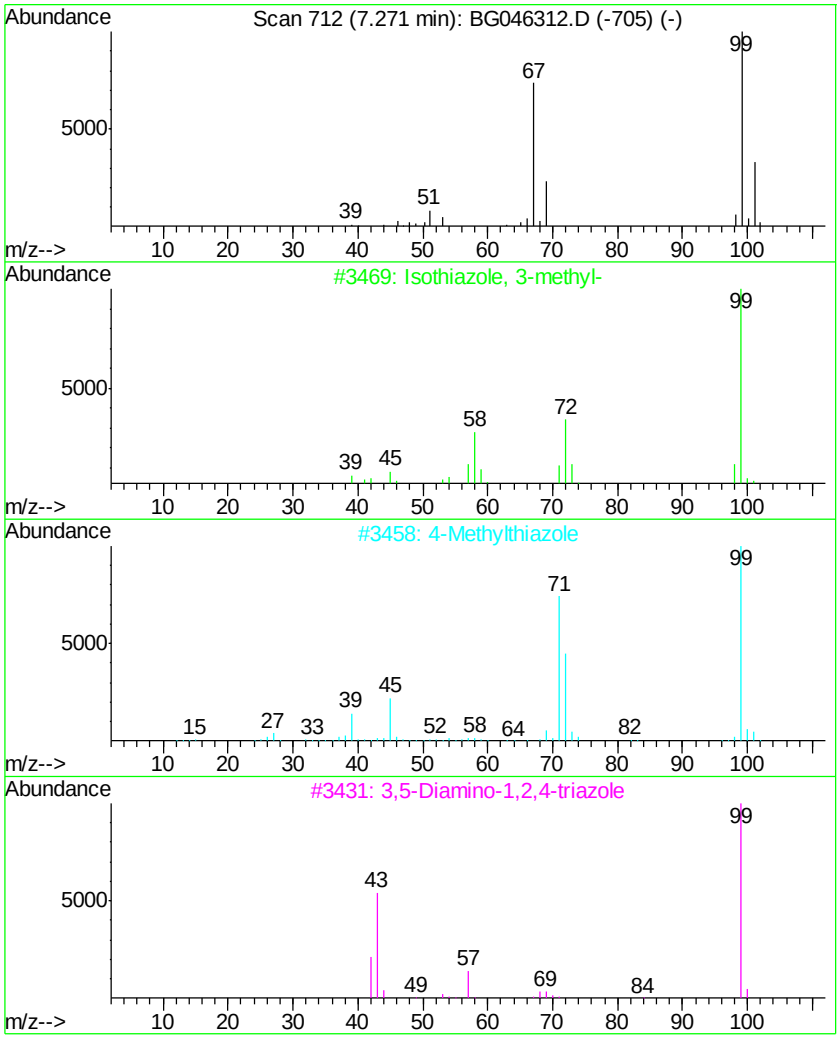
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

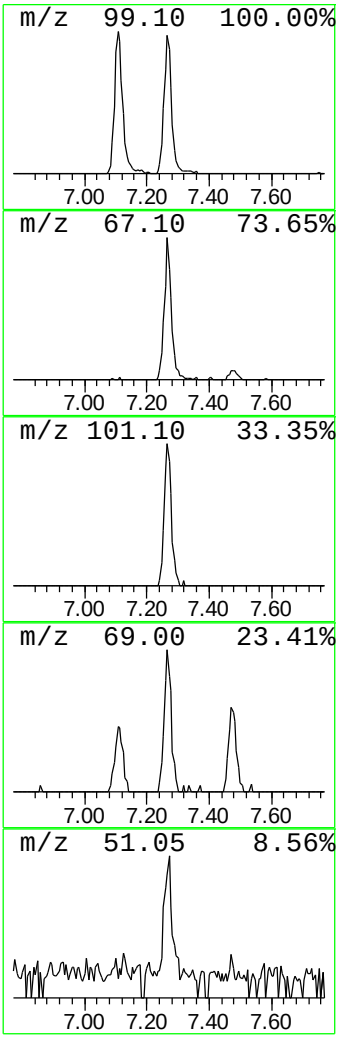
****

Peak Number 4 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	3.24 ng/ul	66688	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	4-Methylthiazole	99	C4H5NS	000693-95-8	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7
4	Cyclopropane, isothiocyanato-	99	C4H5NS	056601-42-4	7
5	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

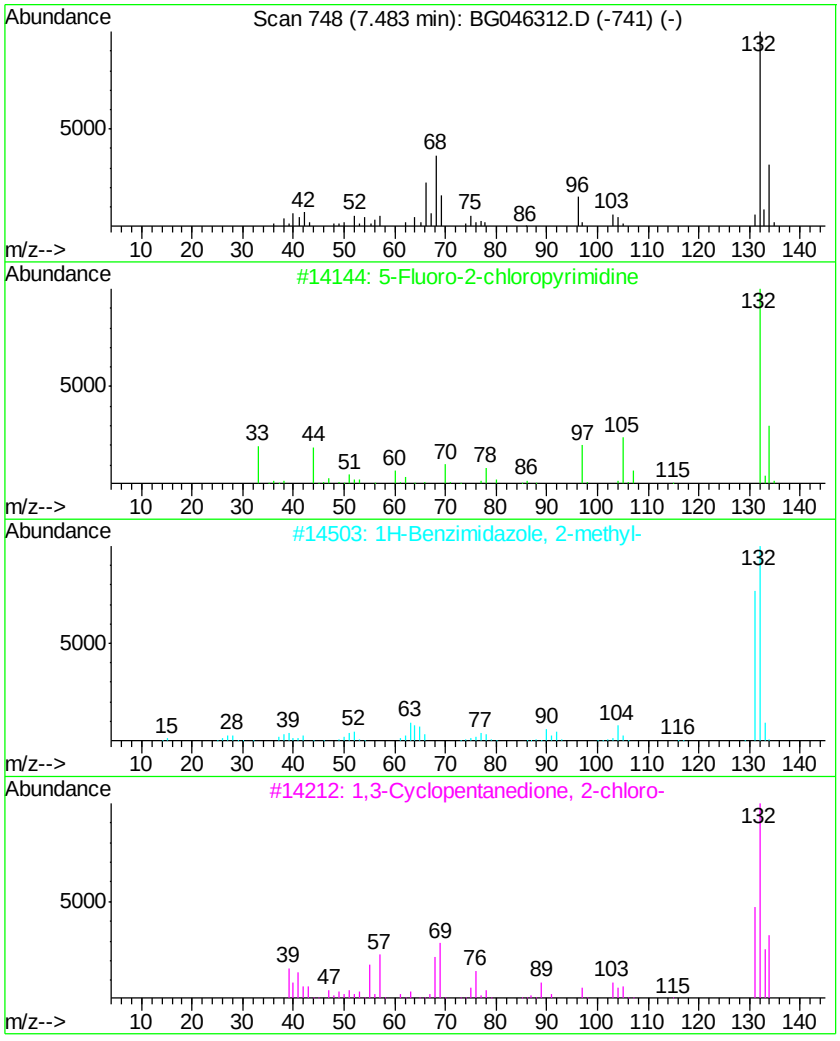
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

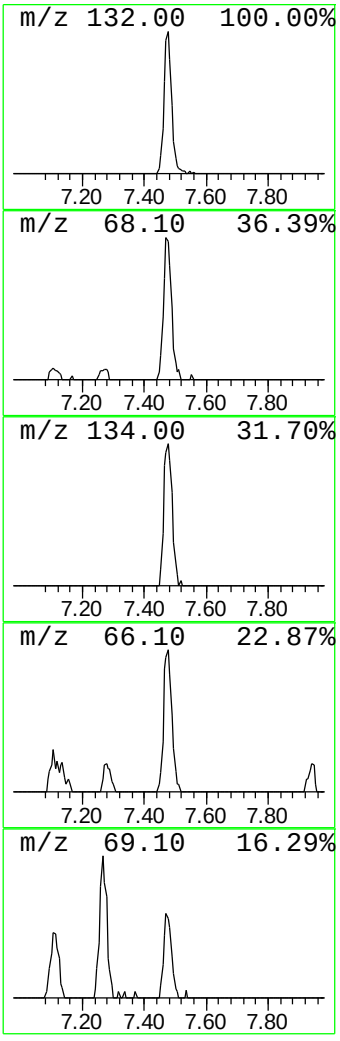
****

Peak Number 5 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	4.07 ng/ul	83682	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	9
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

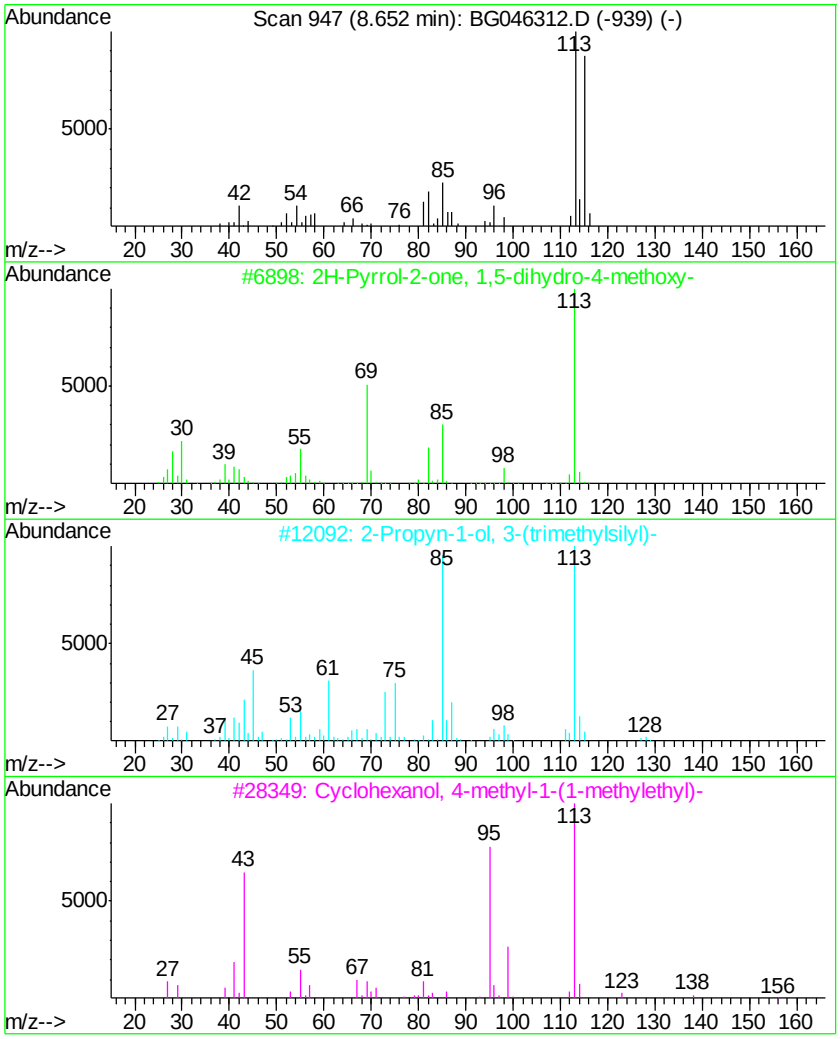
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

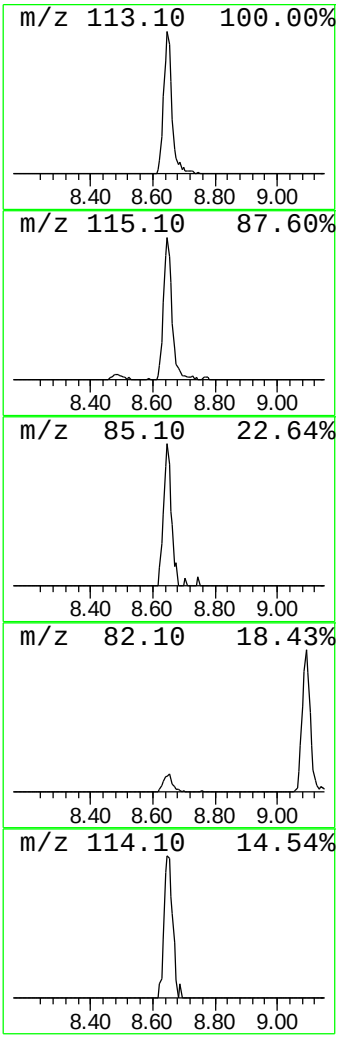
****

Peak Number 6 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	4.29 ng/ul	88086	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	43
2	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	37
3	Cyclohexanol, 4-methyl-1-(1-meth...	156	C10H20O	000470-65-5	35
4	Succinic acid, di(5-methoxy-3-me...	346	C18H34O6	1000330-26-5	25
5	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BFM96

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

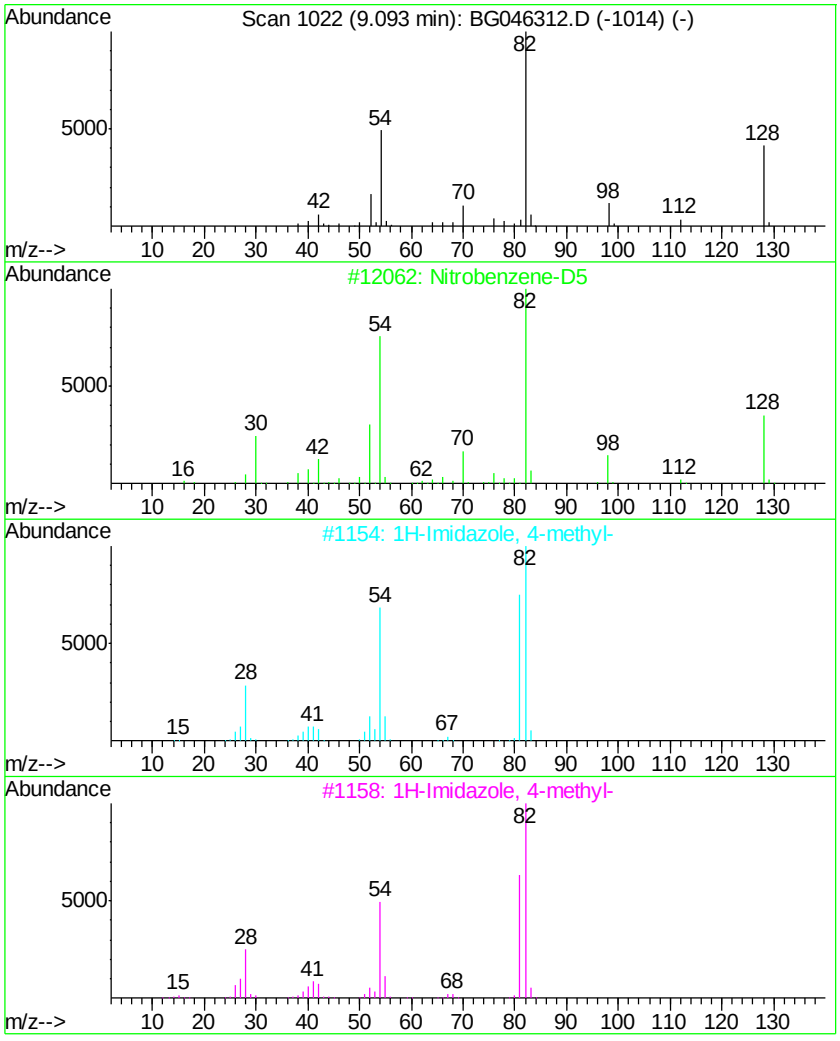
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

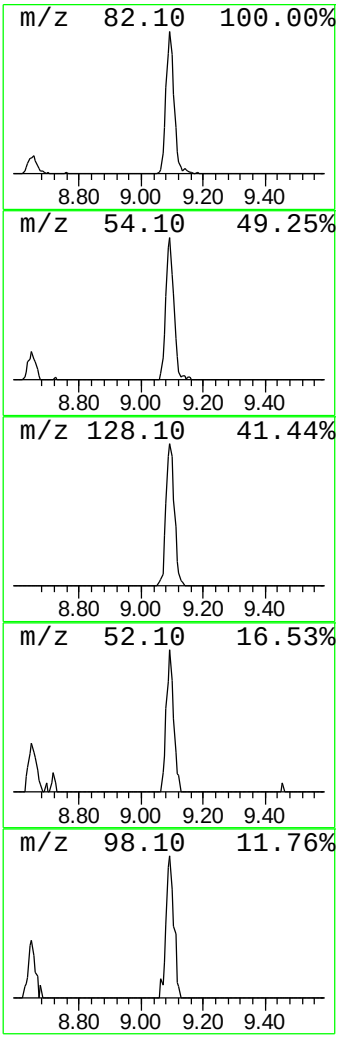
****

Peak Number 7 unknown-05 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	4.00 ng/ul	82250	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	91
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	47
3	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

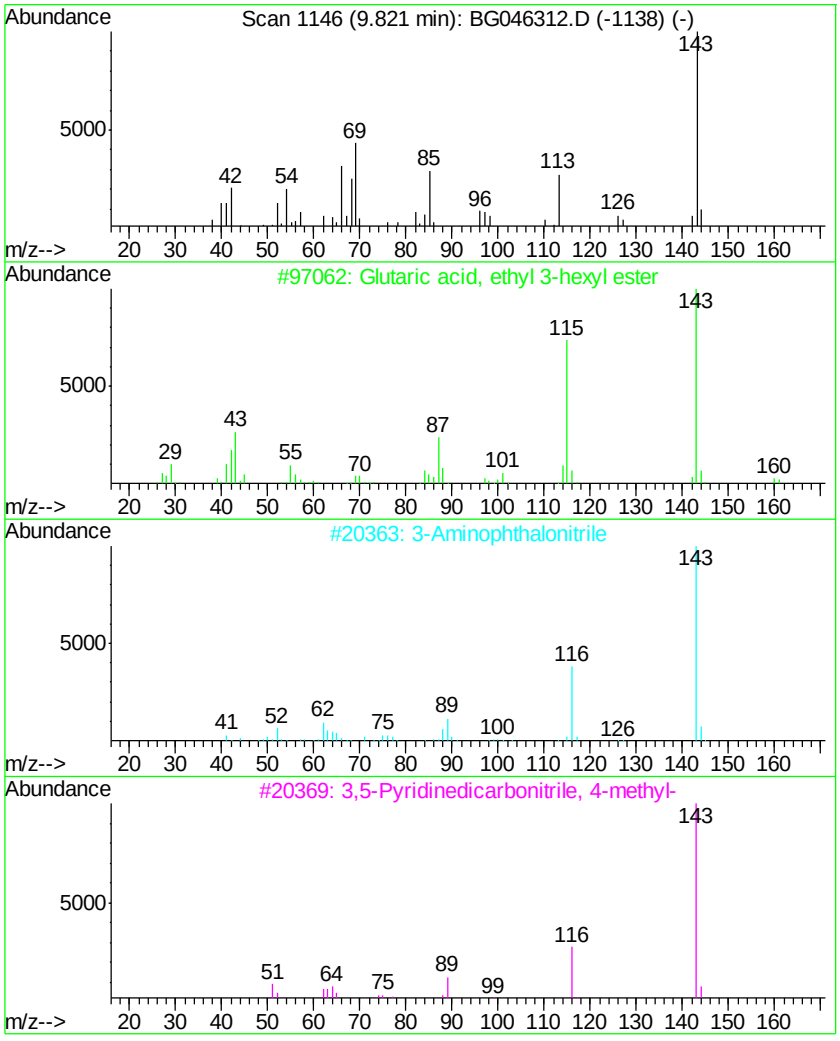
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

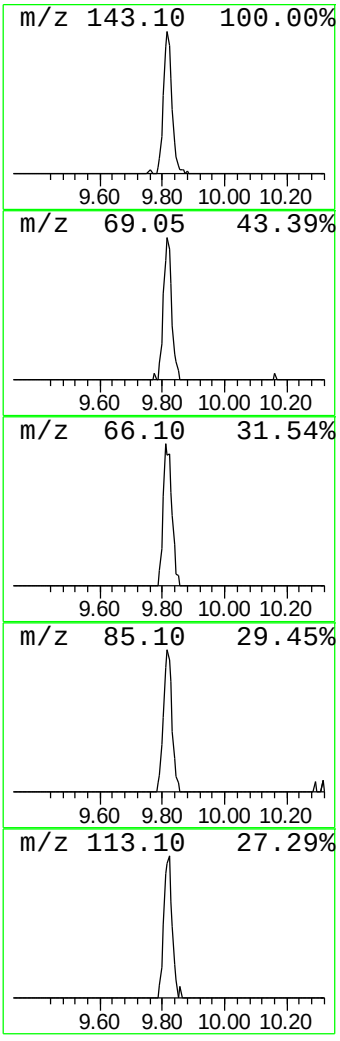
****

Peak Number 8 unknown-06 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	2.17 ng/ul	68238	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, ethyl 3-hexyl ester	244	C13H24O4	1000359-54-1	12
2	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10
3	3,5-Pyridinedicarbonitrile, 4-me...	143	C8H5N3	004574-75-8	9
4	Malonic acid, butyl 2-methylpent...	244	C13H24O4	1000349-04-7	9
5	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

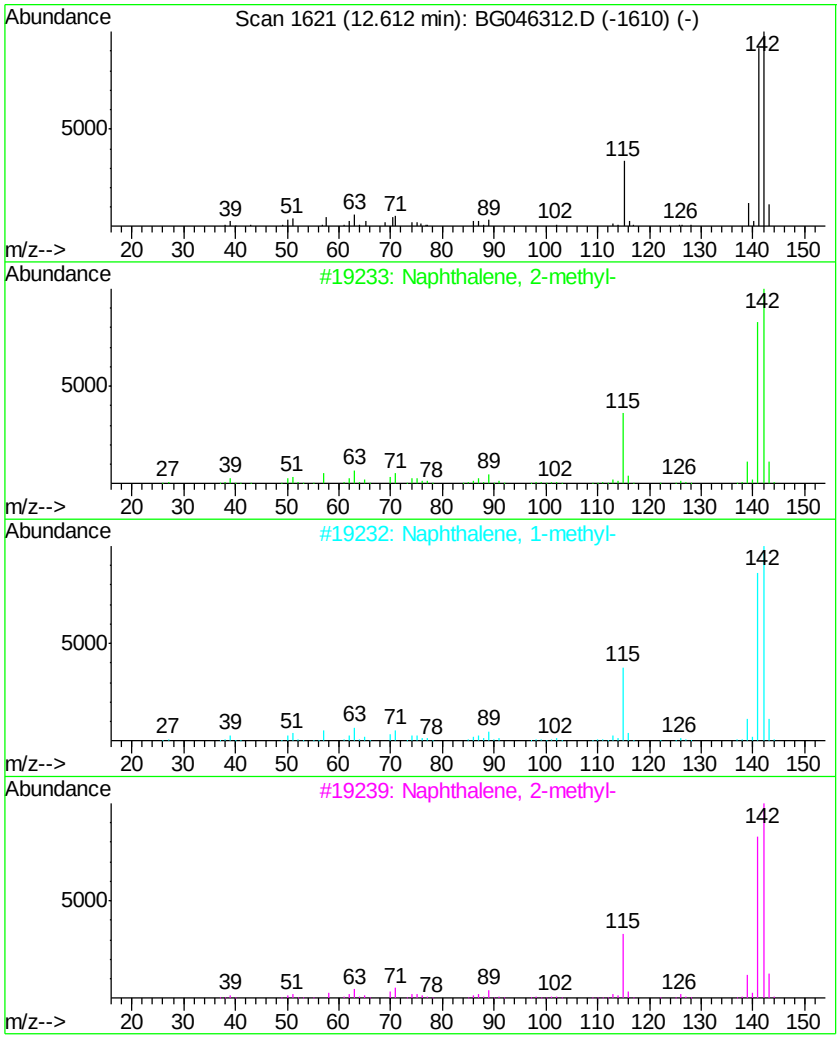
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

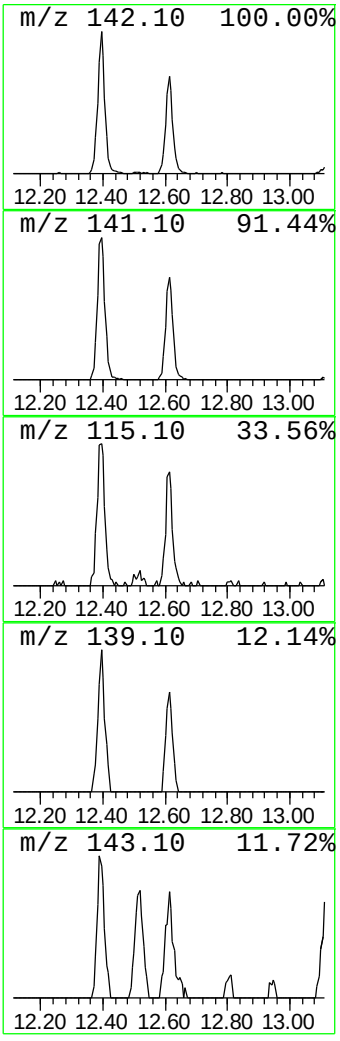
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.45 ng/ul	77015	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

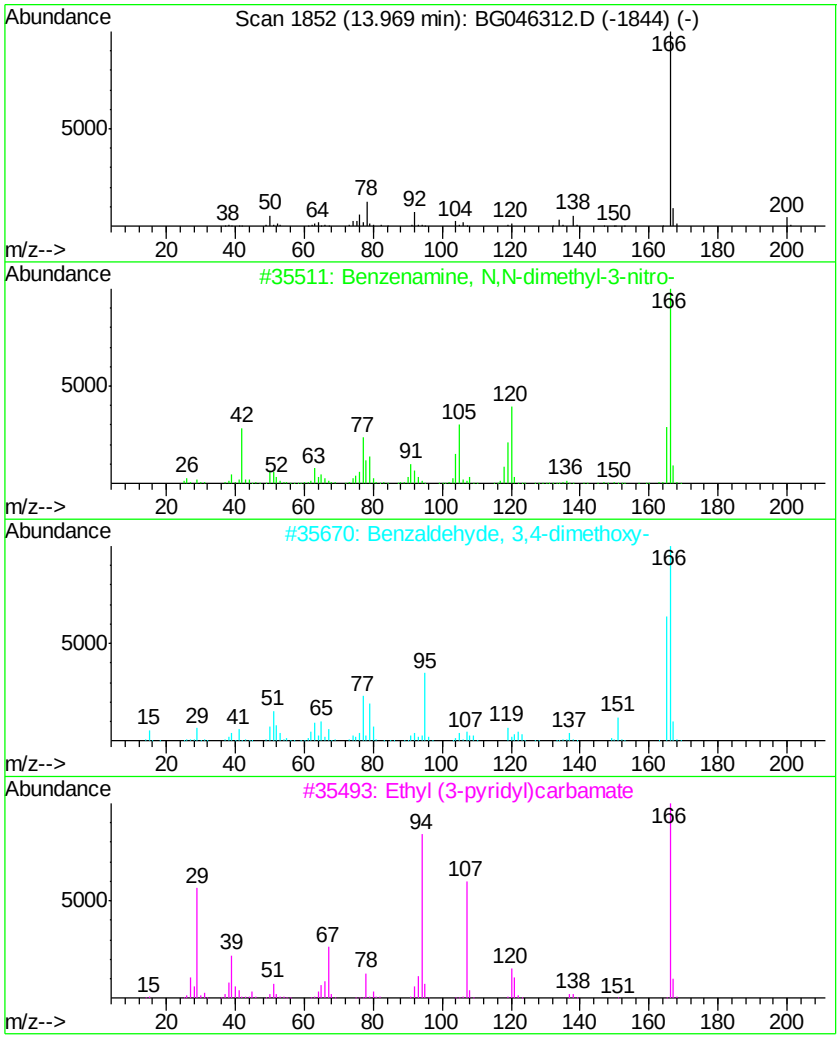
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

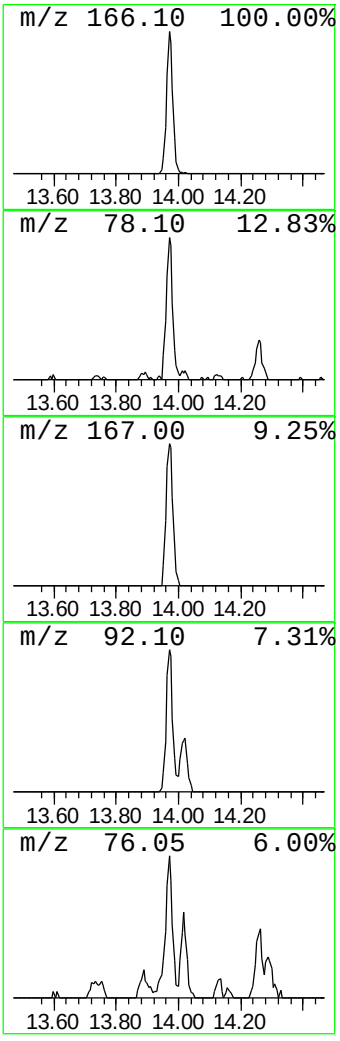
****

Peak Number 10 Benzenamine, N,N-dimethyl-3... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	5.12 ng/ul	236312	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	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
4	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
5	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

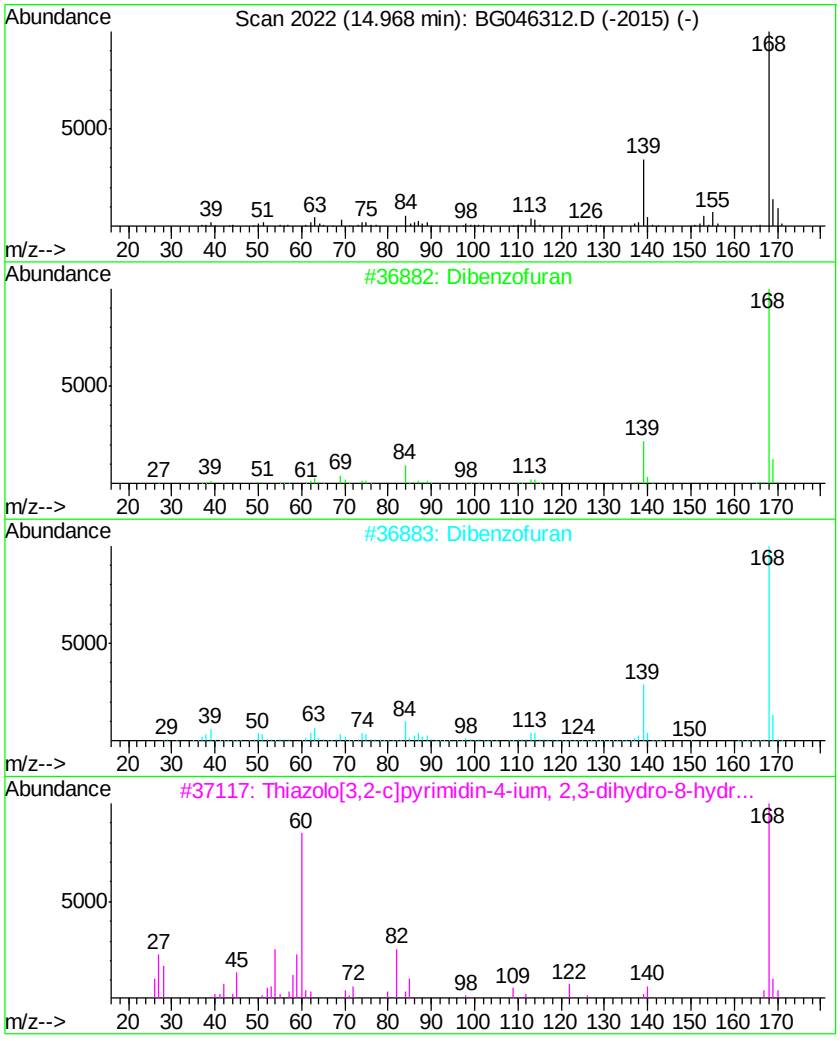
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

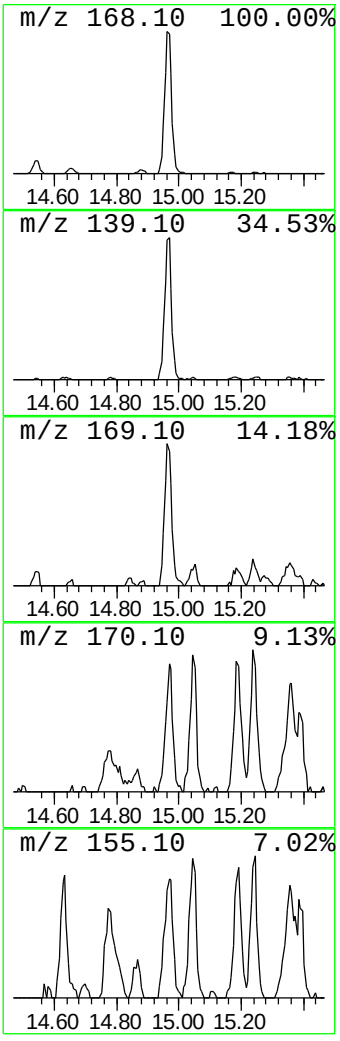
****

Peak Number 11 Dibenzofuran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.53 ng/ul	208869	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	83
2	Dibenzofuran	168	C12H8O	000132-64-9	72
3	Thiazolo[3,2-c]pyrimidin-4-ium, ...	168	C7H8N2OS	024614-07-1	53
4	Benzoic acid, 4-(methylthio)-	168	C8H8O2S	013205-48-6	53
5	3,5-Dimethoxybenzyl alcohol	168	C9H12O3	000705-76-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

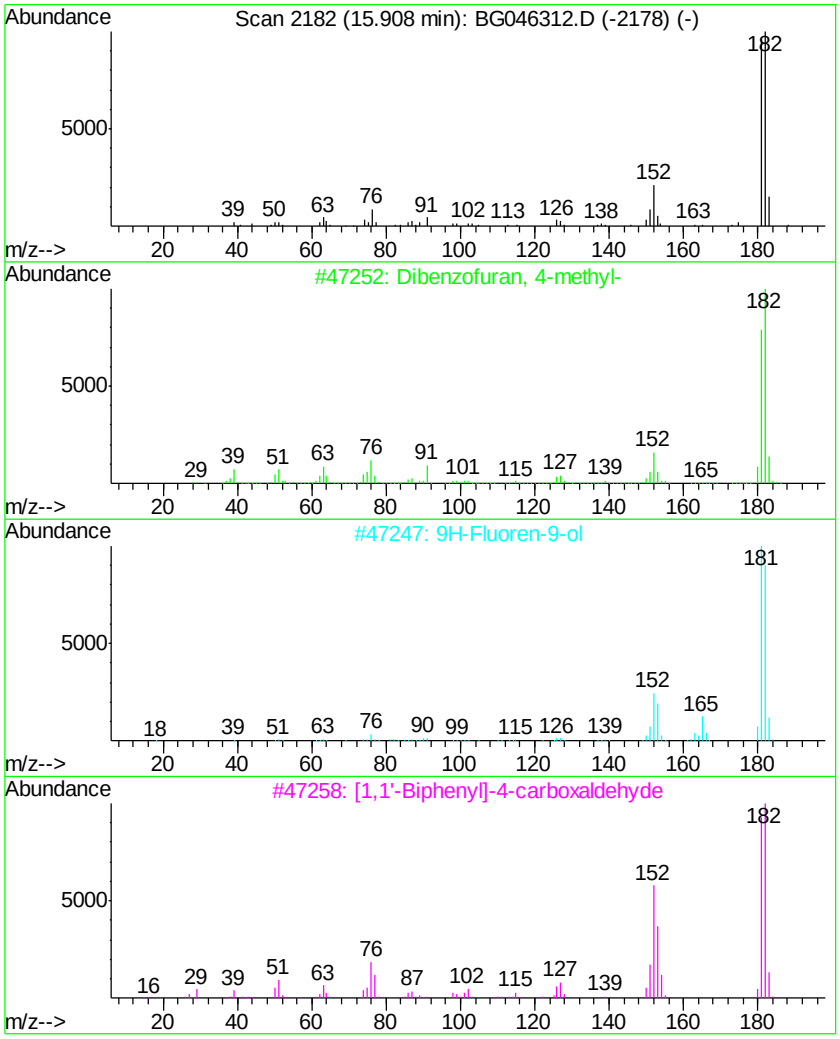
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

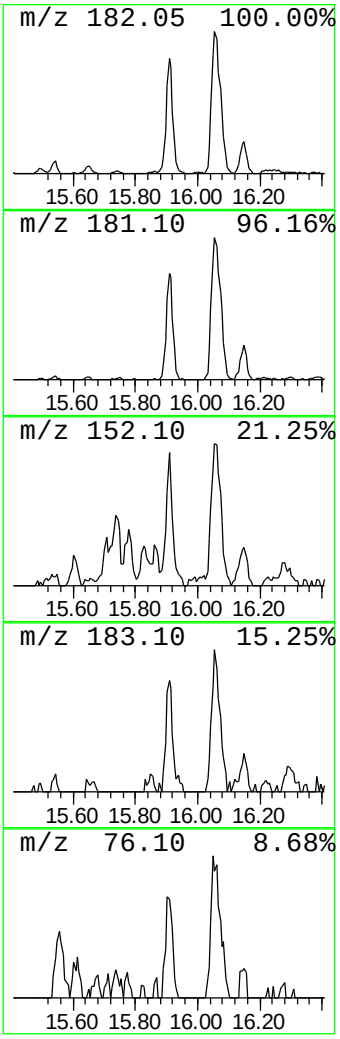
****

Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.48 ng/ul	114500	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

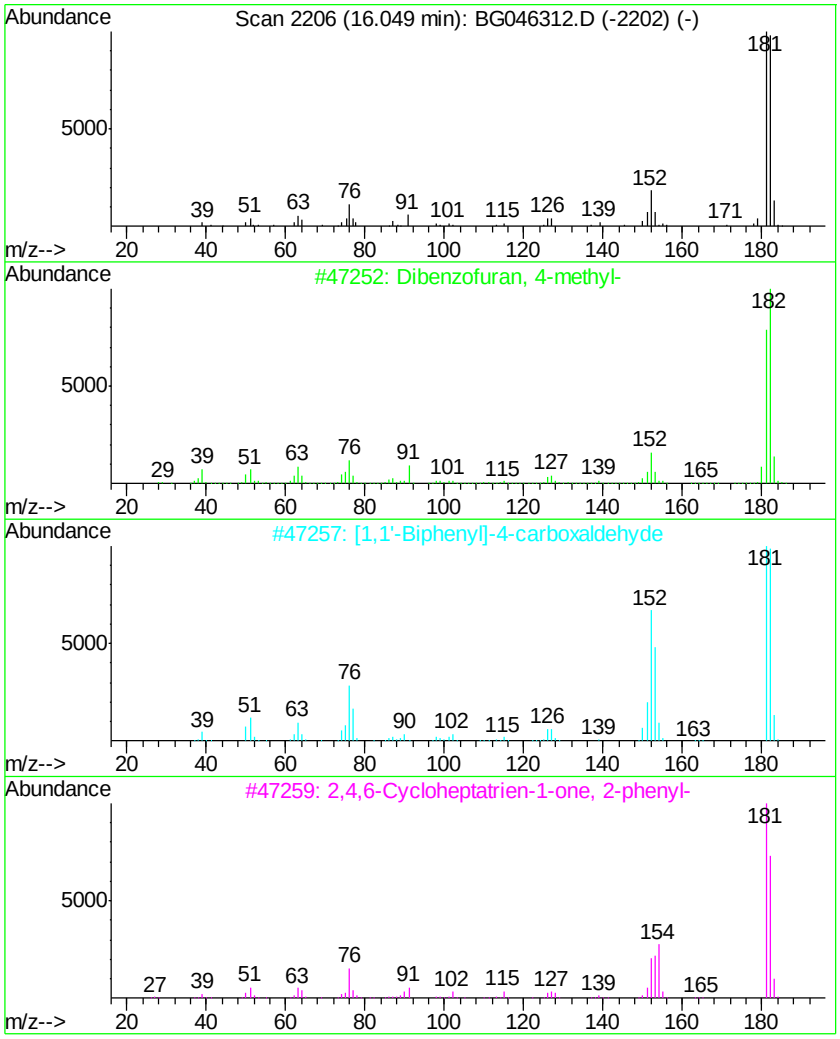
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

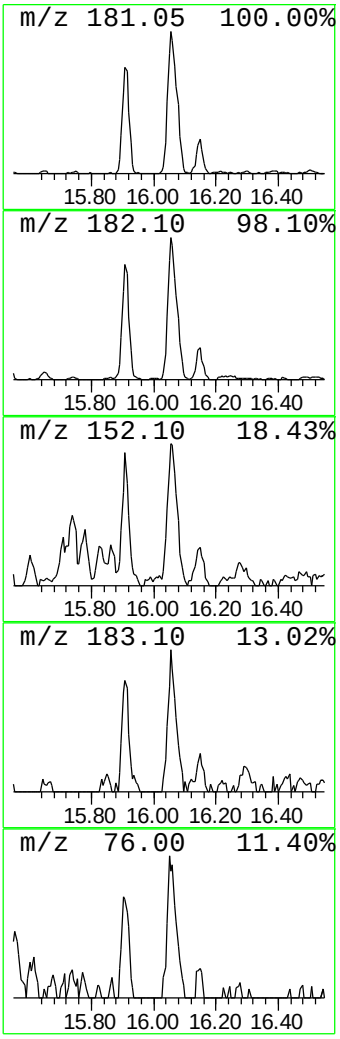
****

Peak Number 13 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	3.11 ng/ul	176412	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

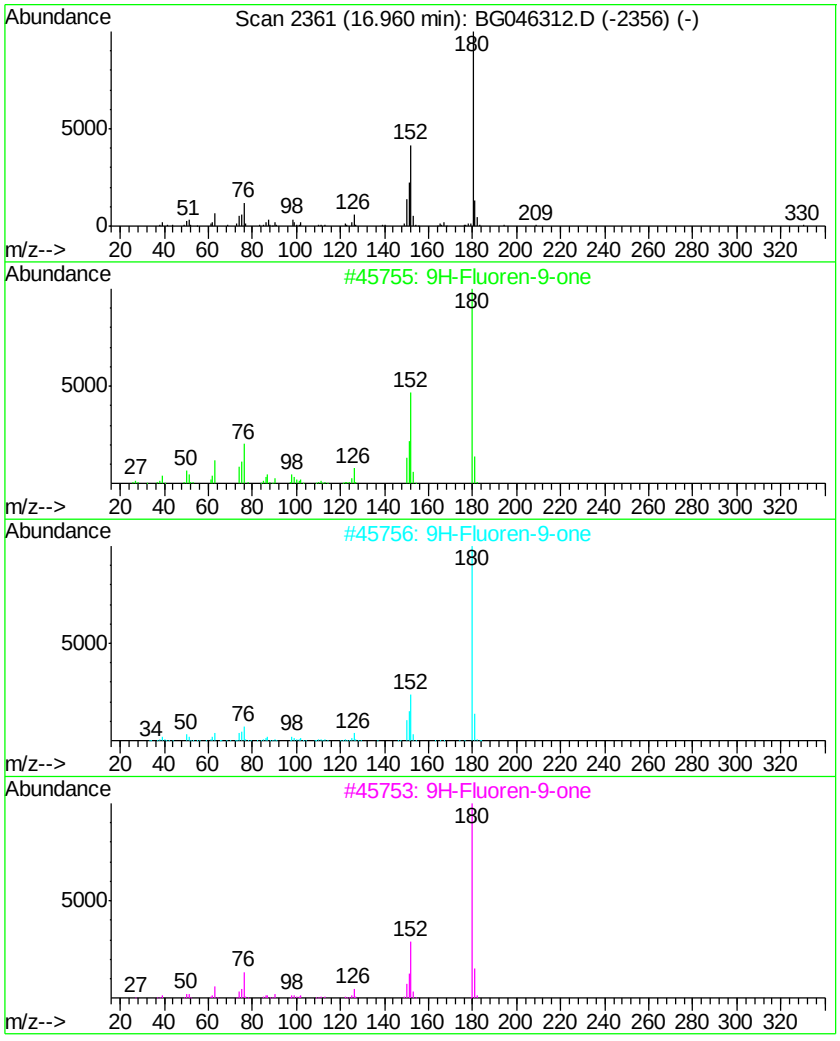
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

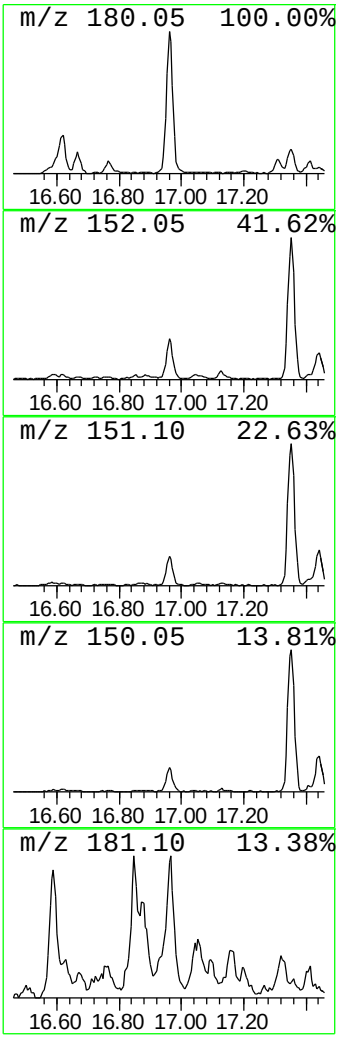
****

Peak Number 14 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.98 ng/ul	168494	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

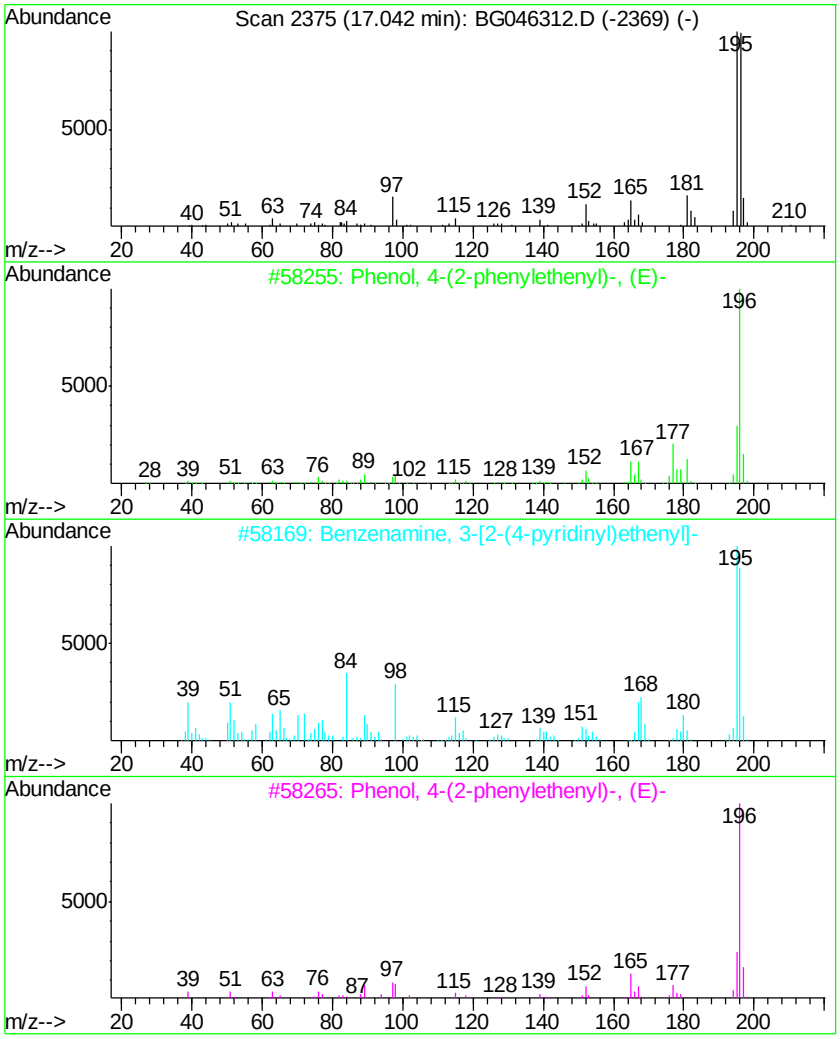
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

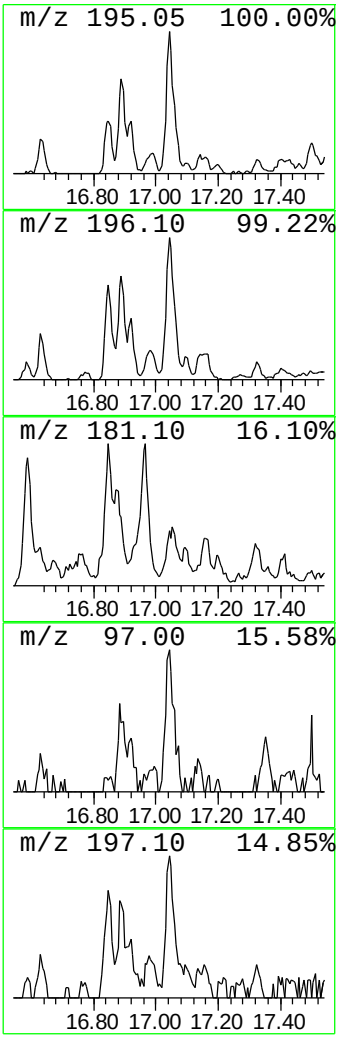
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenol, 4-(2-phenylethenyl)... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.18 ng/ul	123367	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	70
2	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	64
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
5	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

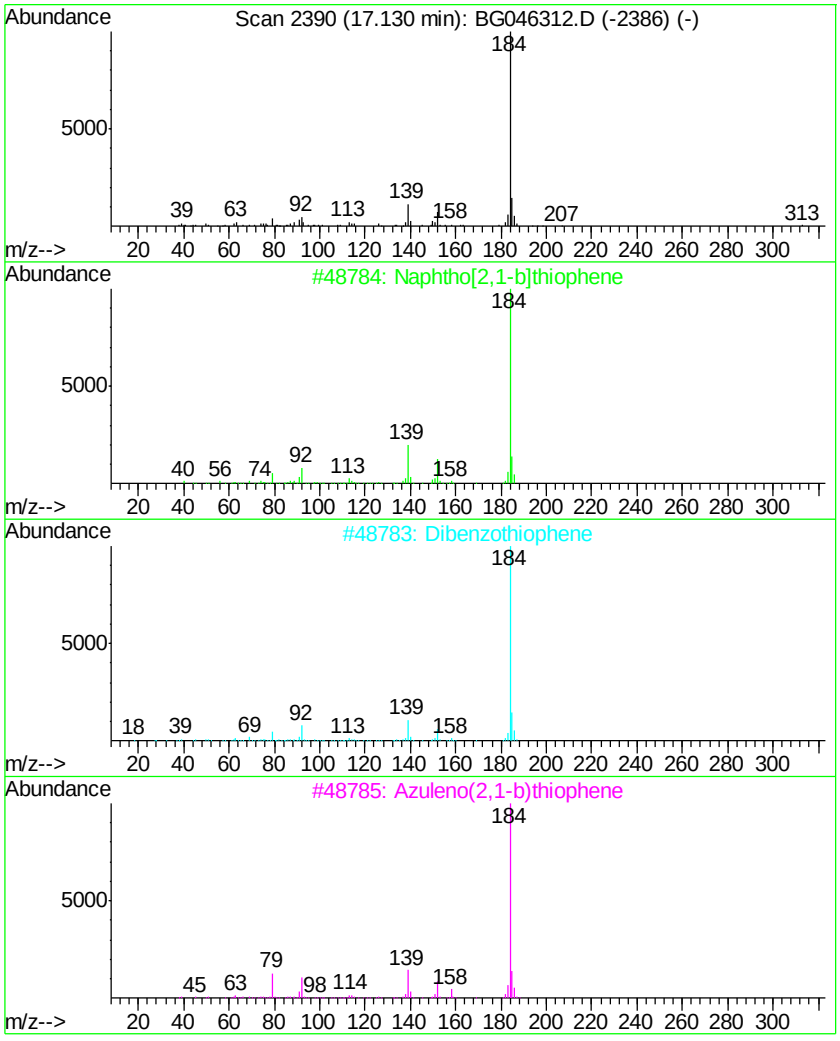
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

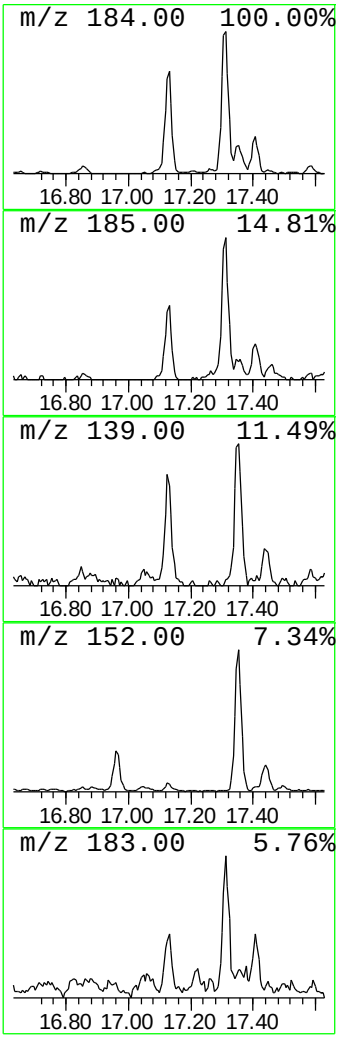
****

Peak Number 16 Naphtho[2,1-b]thiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	2.16 ng/ul	122238	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

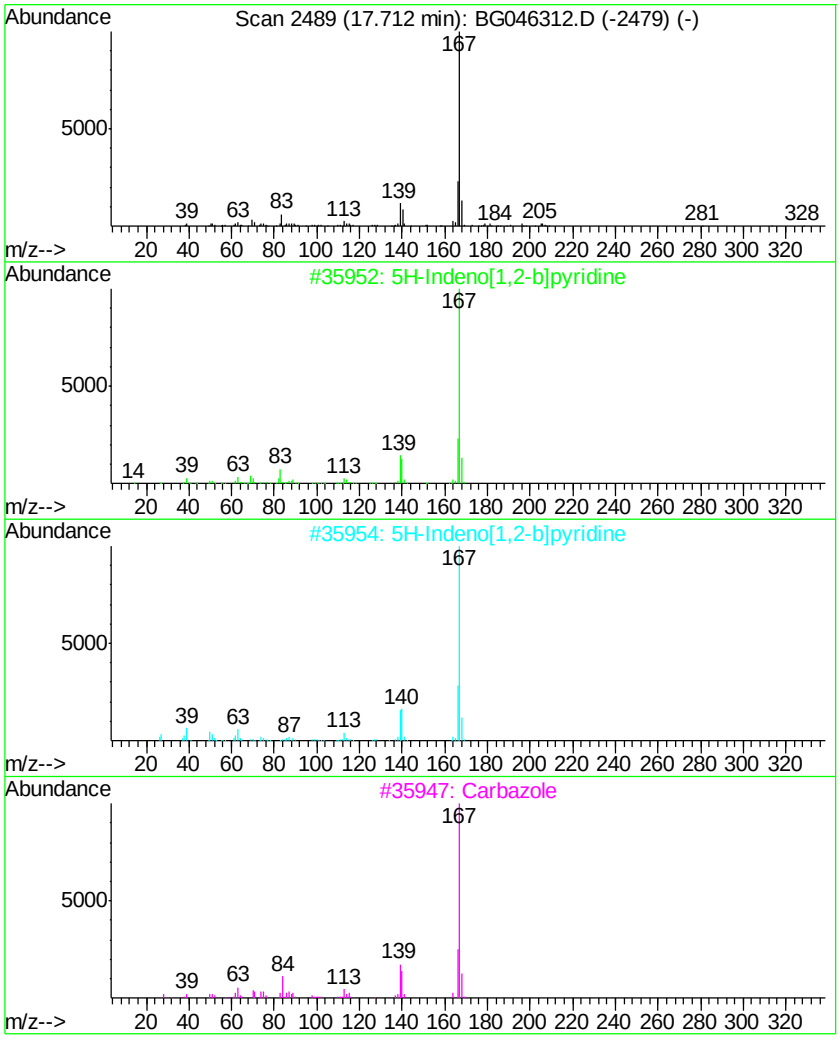
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

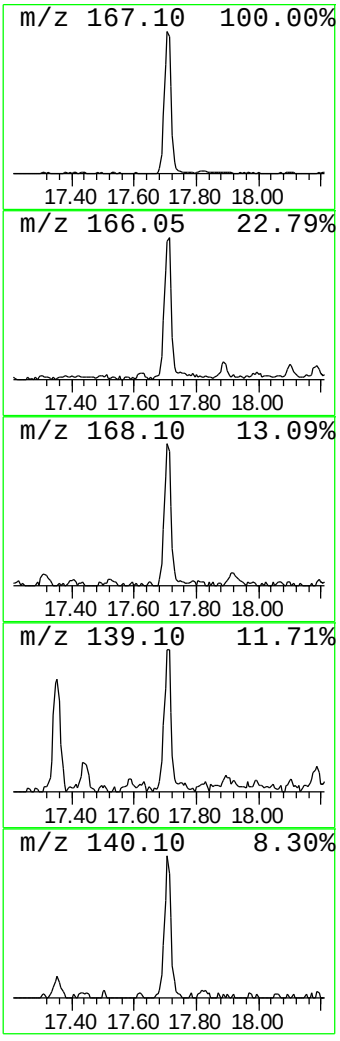
****

Peak Number 17 5H-Indeno[1,2-b]pyridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	5.11 ng/ul	289391	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	93
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	90
4	Carbazole	167	C12H9N	000086-74-8	87
5	Carbazole	167	C12H9N	000086-74-8	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

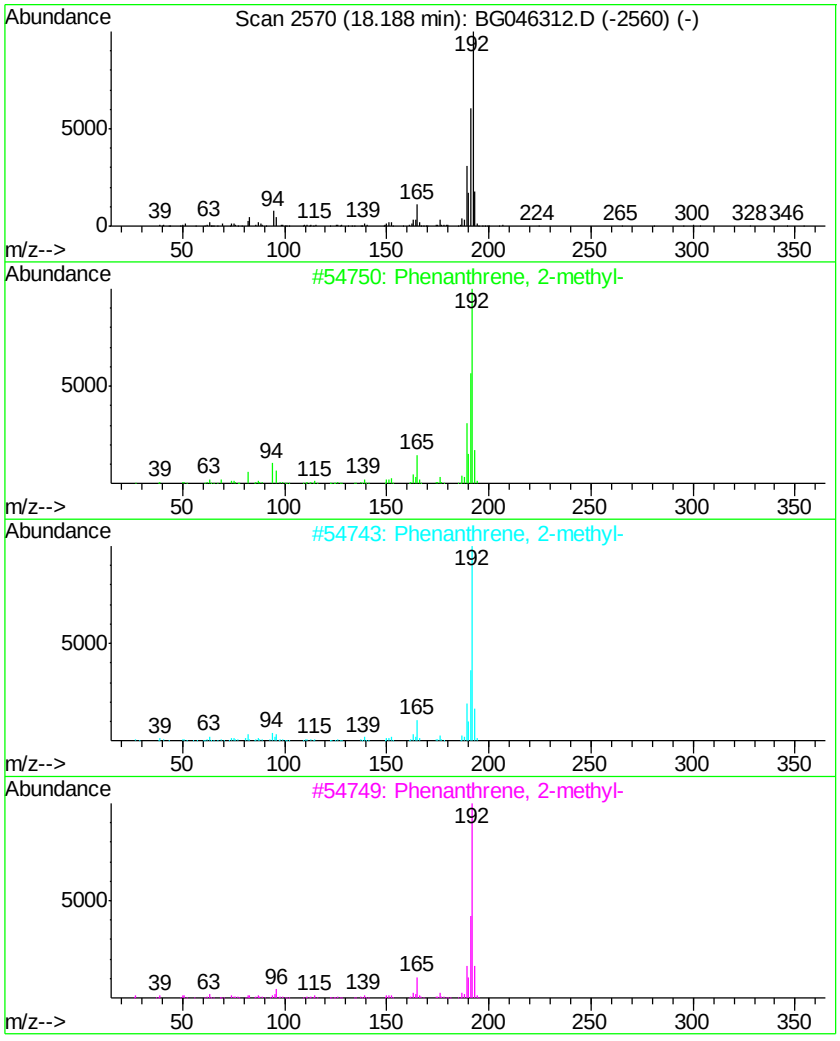
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

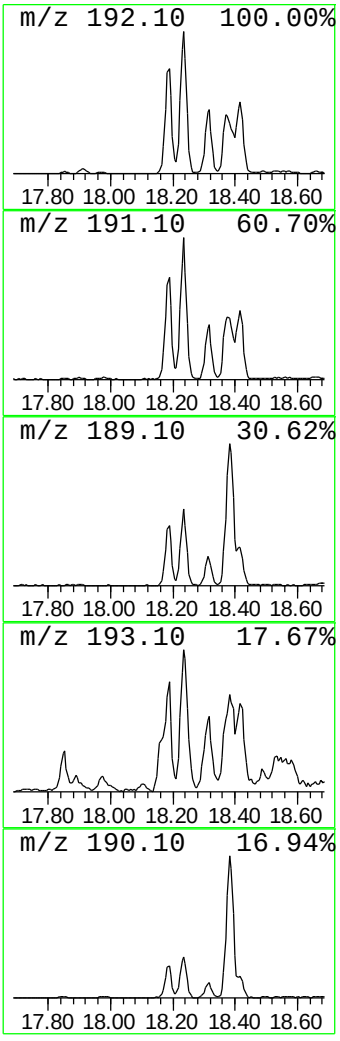
****

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	6.36 ng/ul	360429	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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

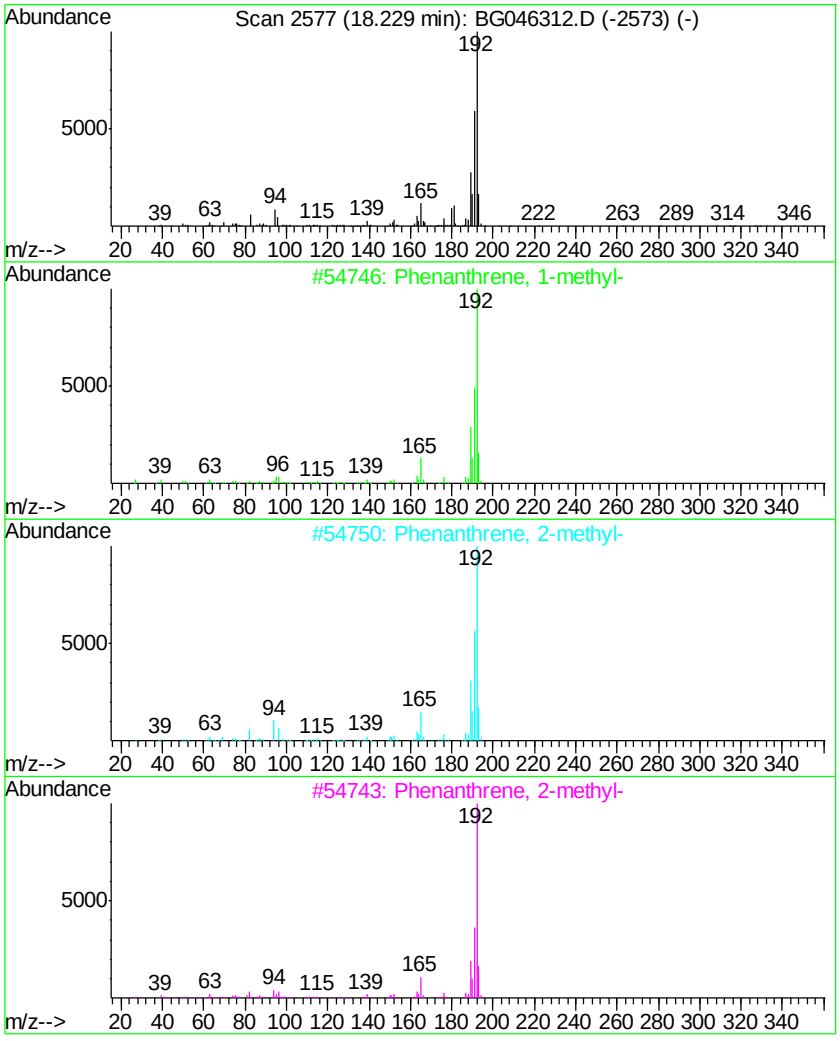
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

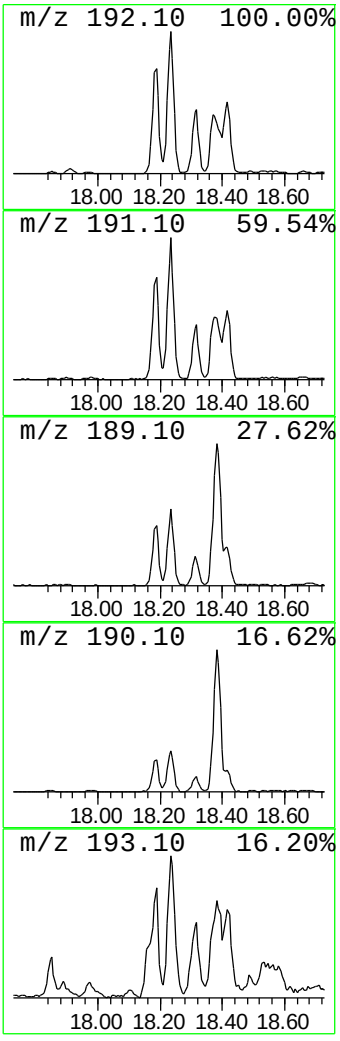
****

Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	8.47 ng/ul	479514	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
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 : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

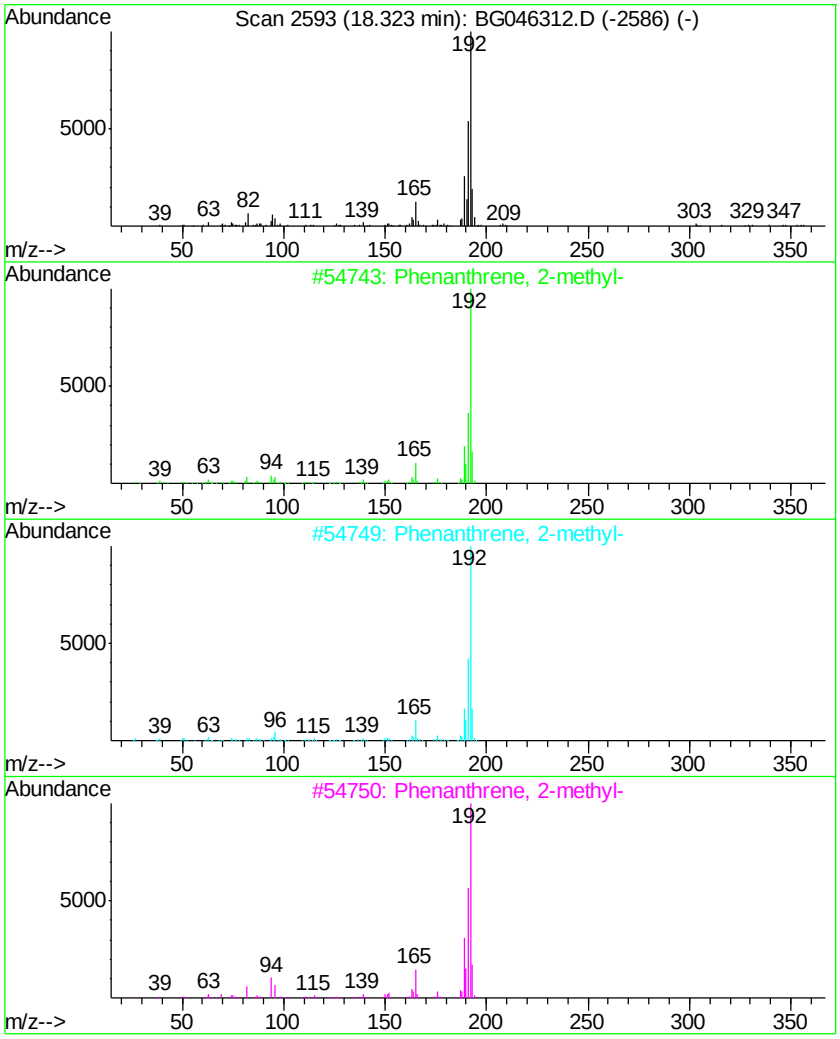
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

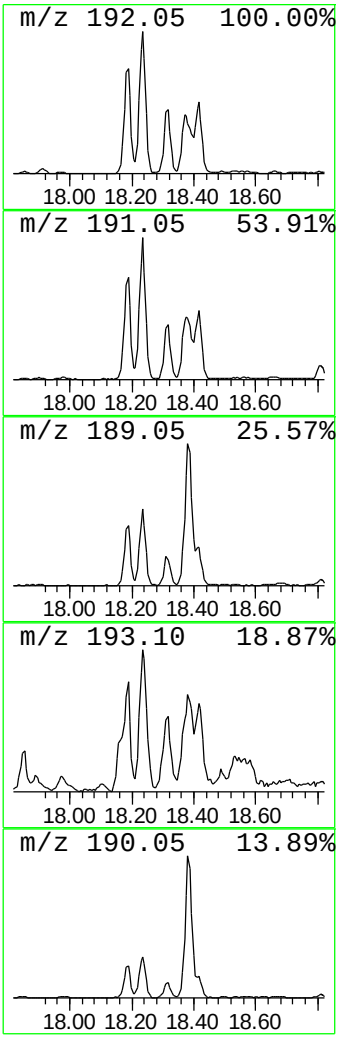
****

Peak Number 20 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.11 ng/ul	176243	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

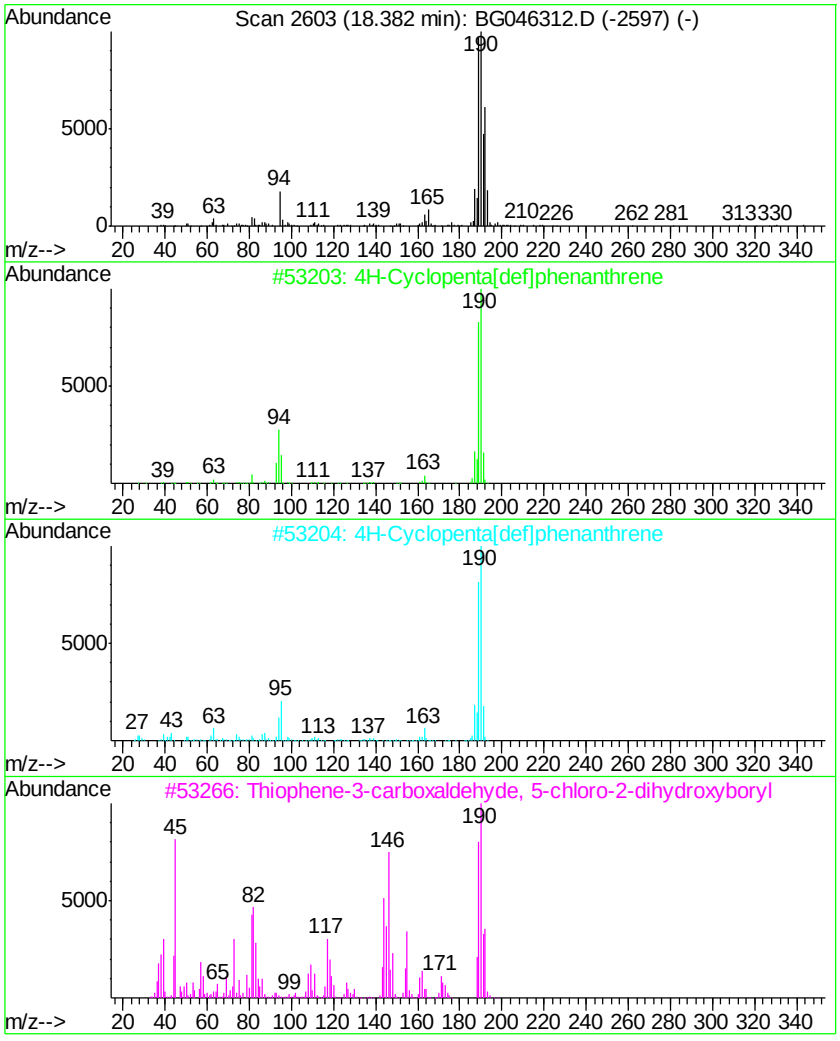
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

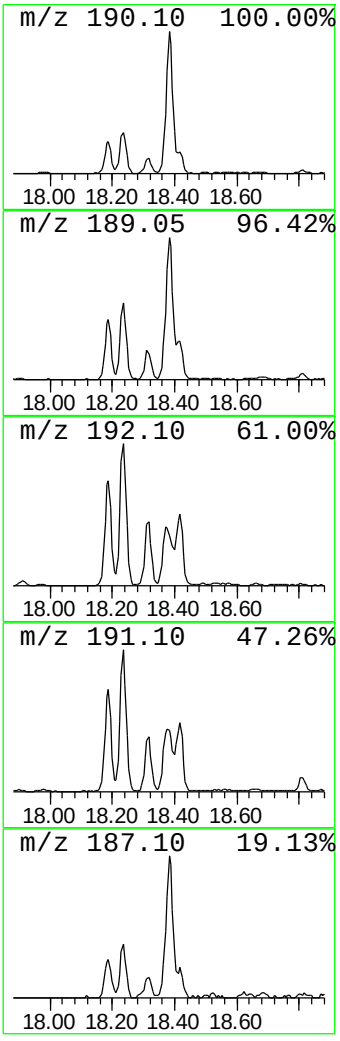
****

Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	8.48 ng/ul	480040	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

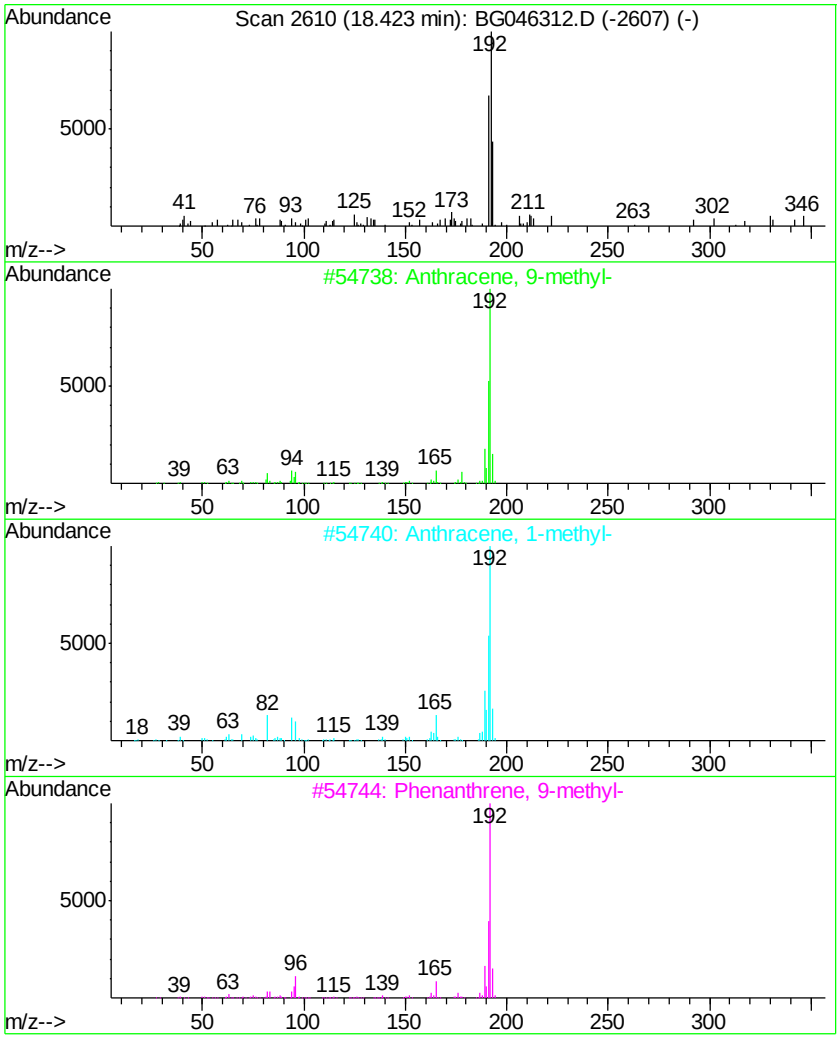
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

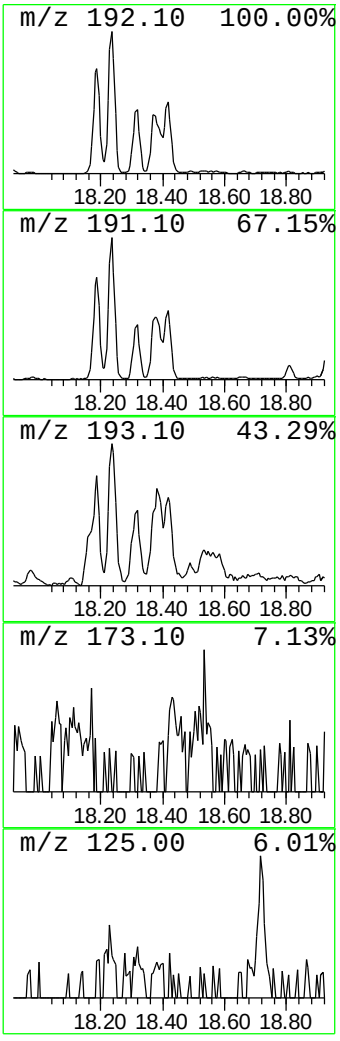
****

Peak Number 22 Anthracene, 9-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.87 ng/ul	162397	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

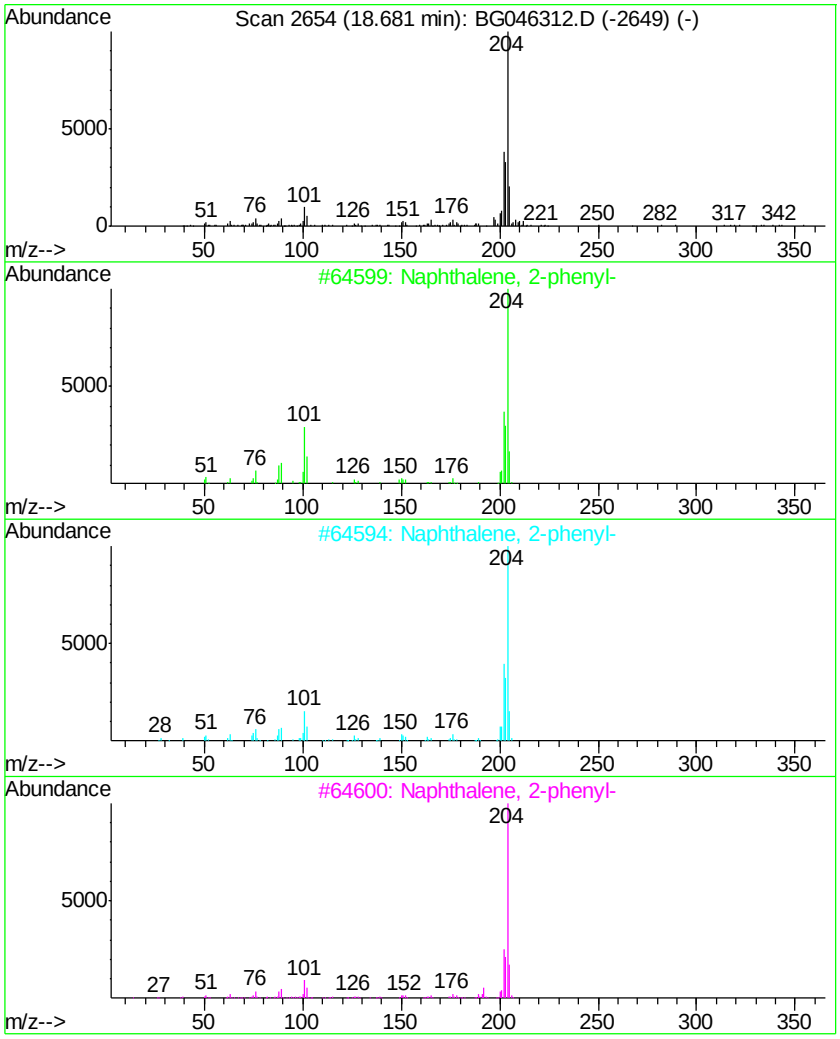
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

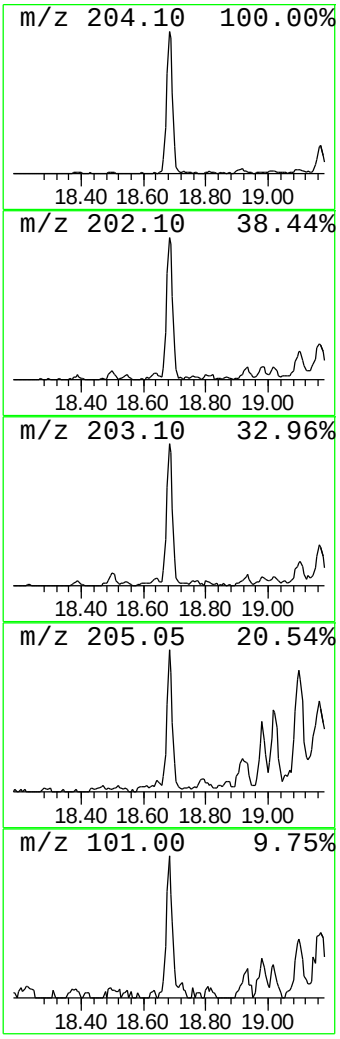
****

Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.57 ng/ul	202086	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

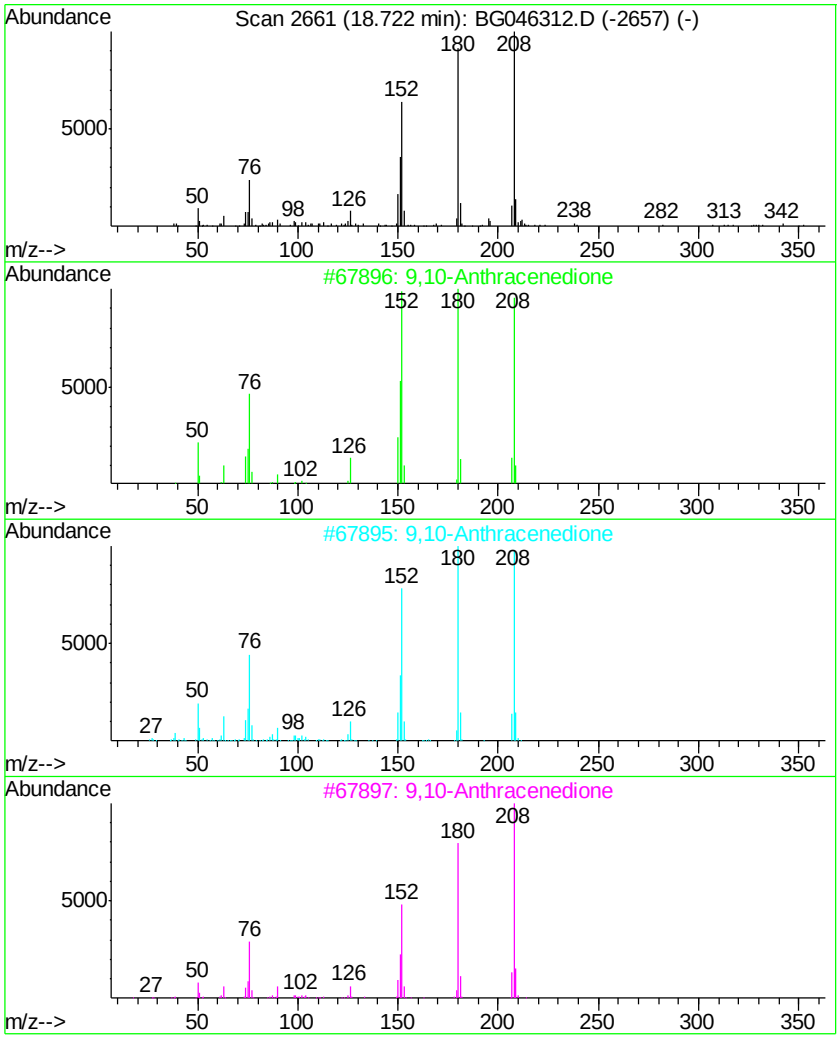
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

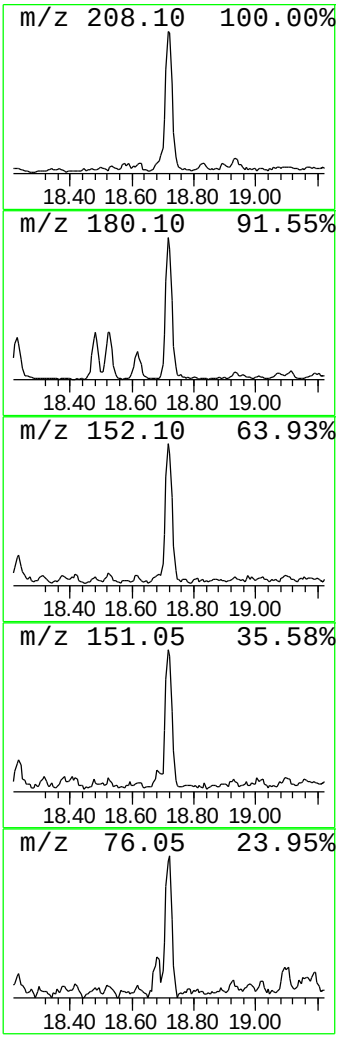
****

Peak Number 24 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.20 ng/ul	181363	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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

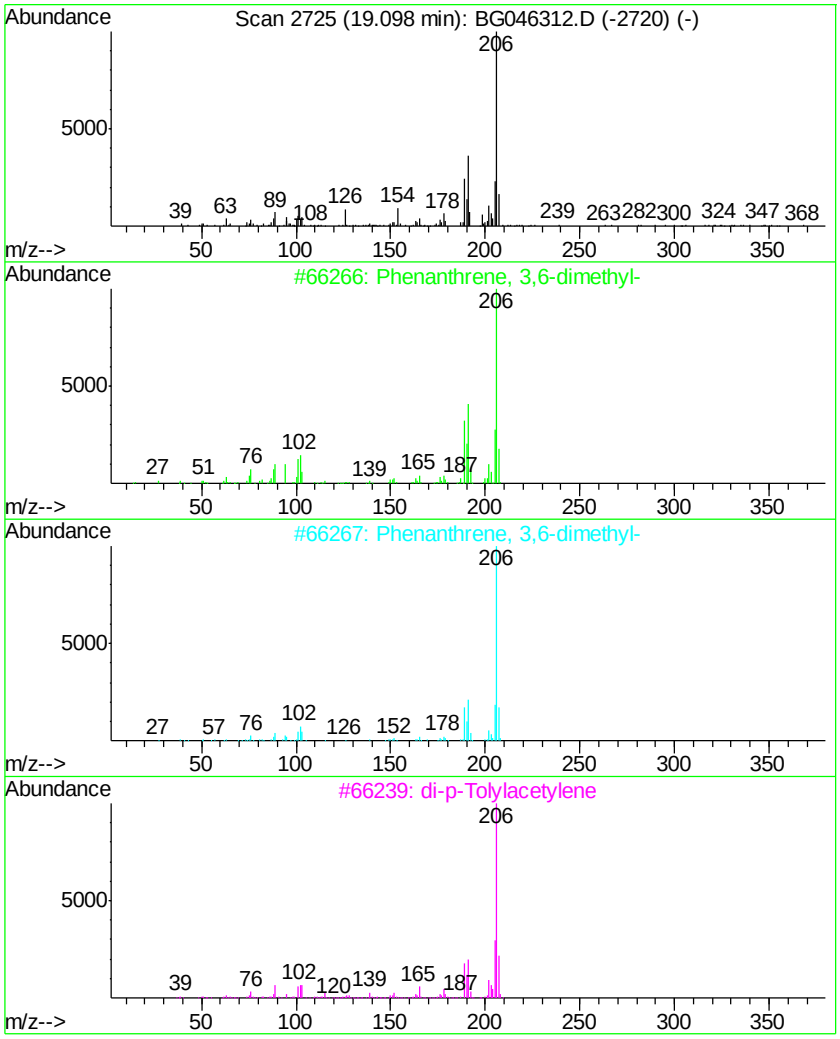
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

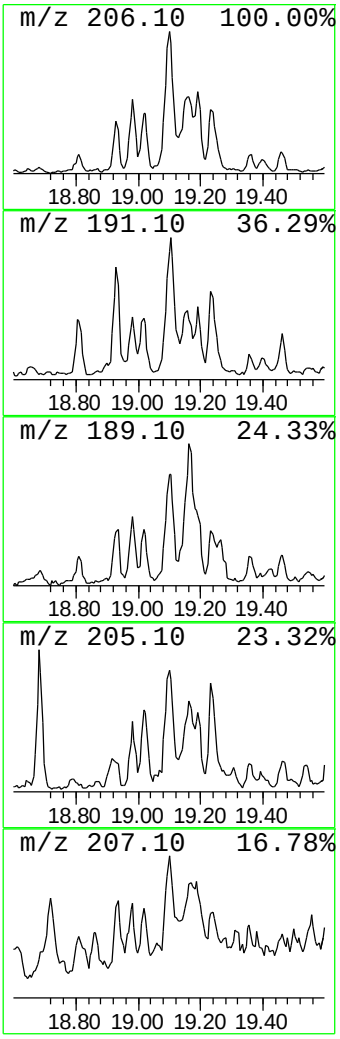
****

Peak Number 25 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.44 ng/ul	194717	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

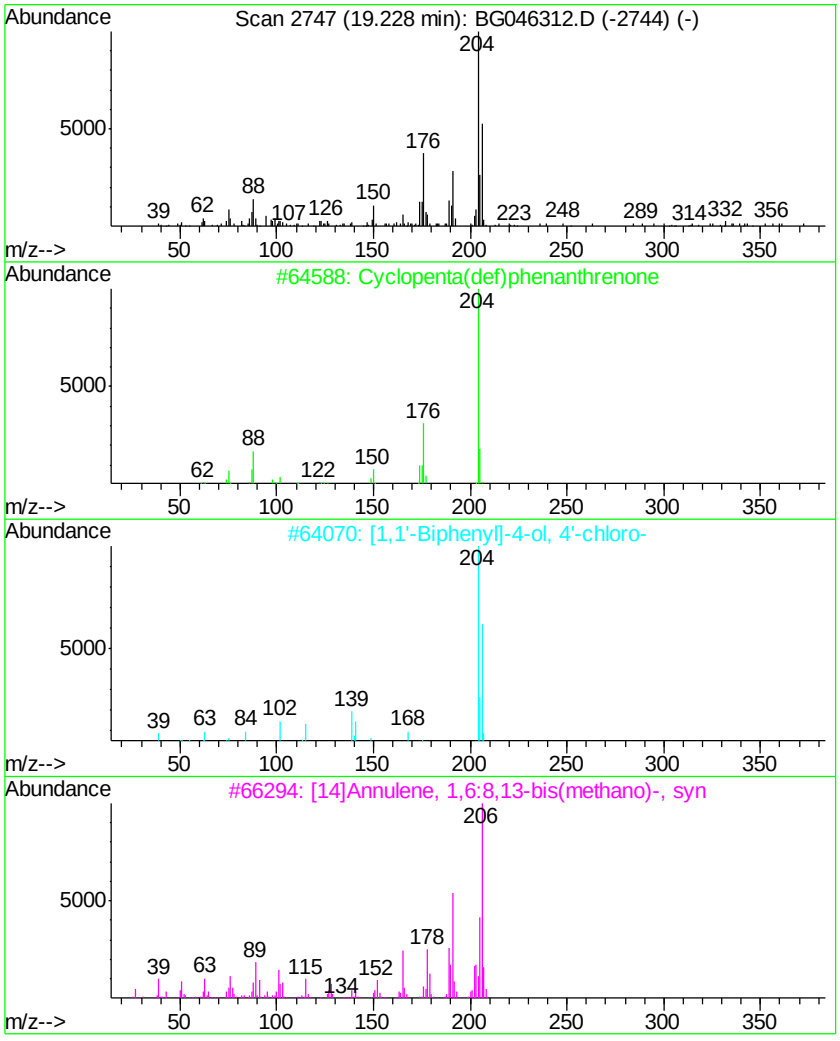
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

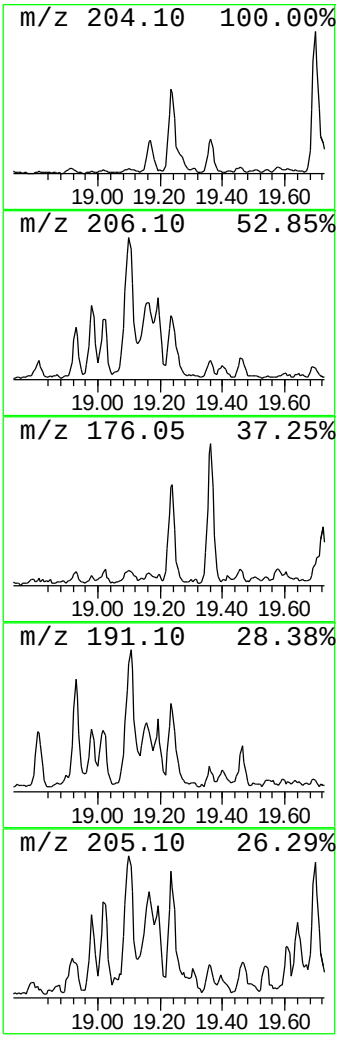
****

Peak Number 26 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.64 ng/ul	206426	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

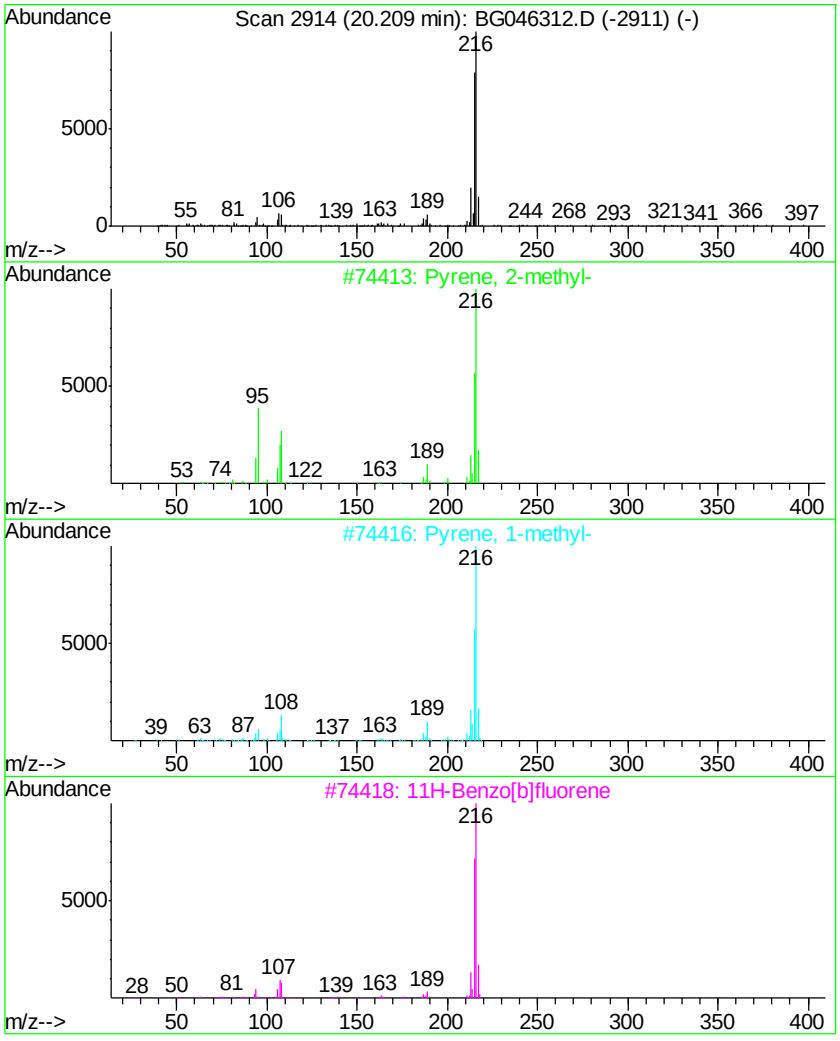
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

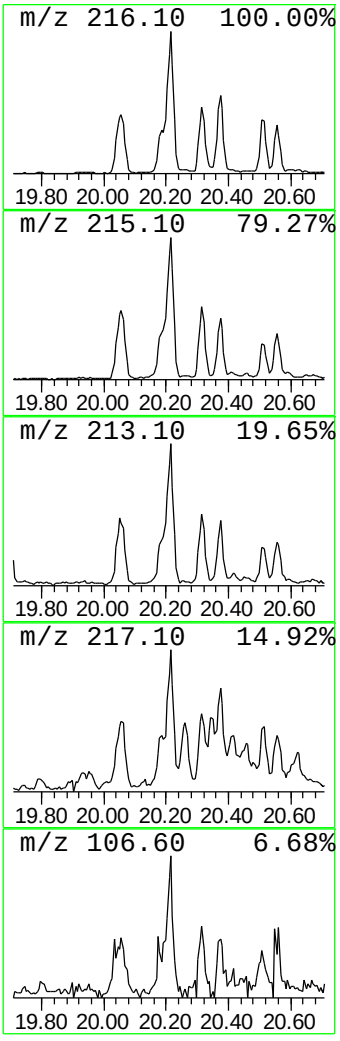
****

Peak Number 27 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.52 ng/ul	294527	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

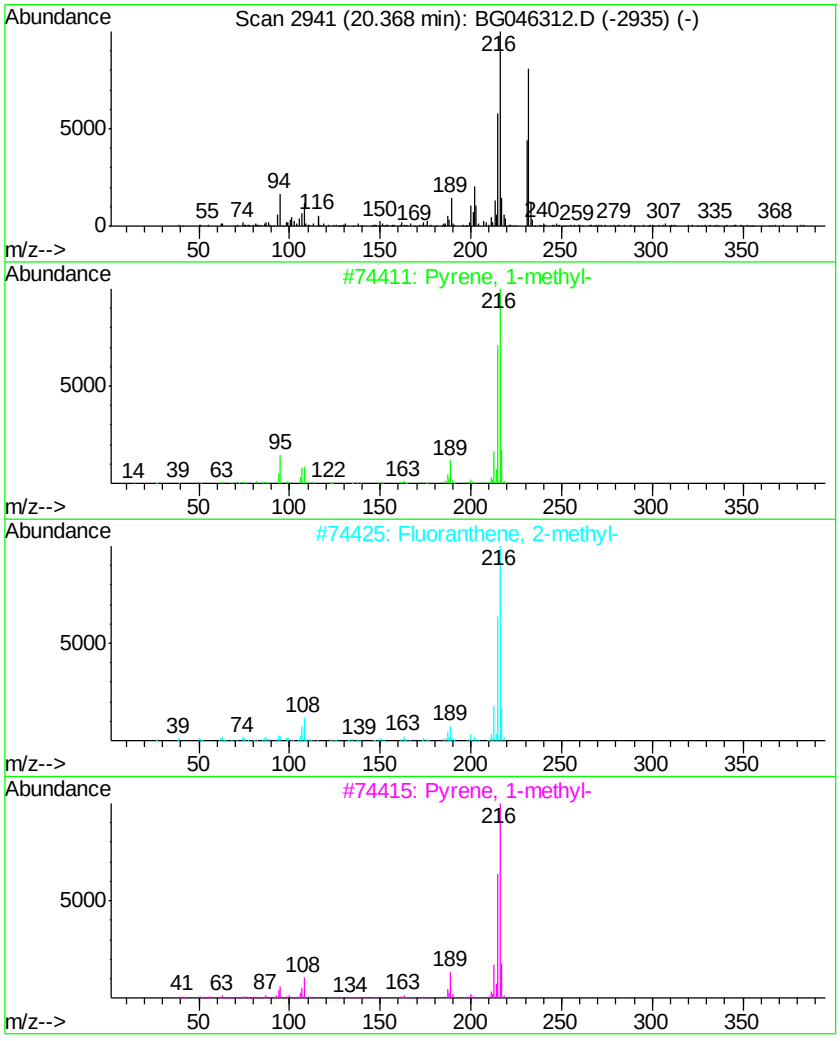
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

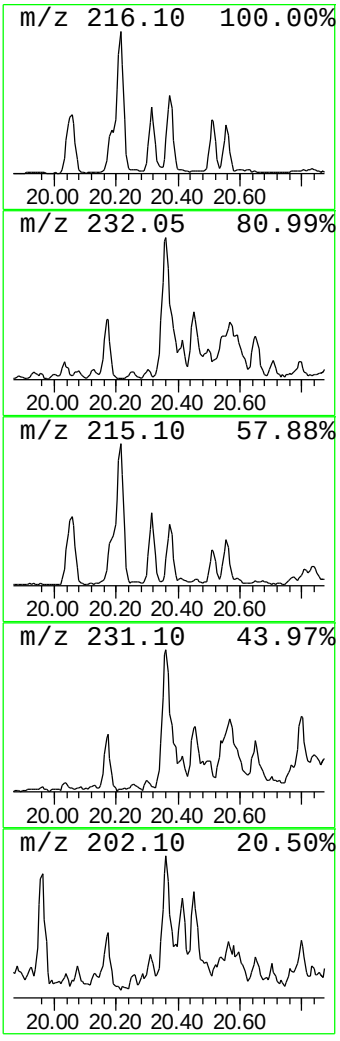
****

Peak Number 28 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.56 ng/ul	298854	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

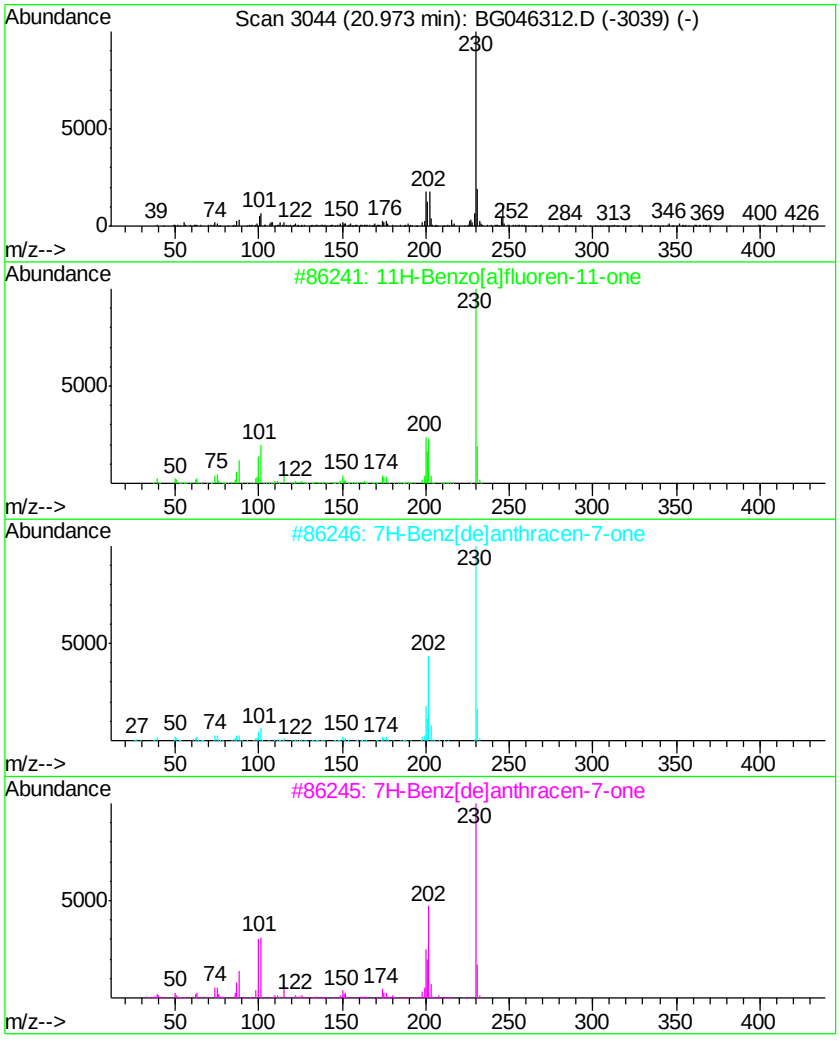
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

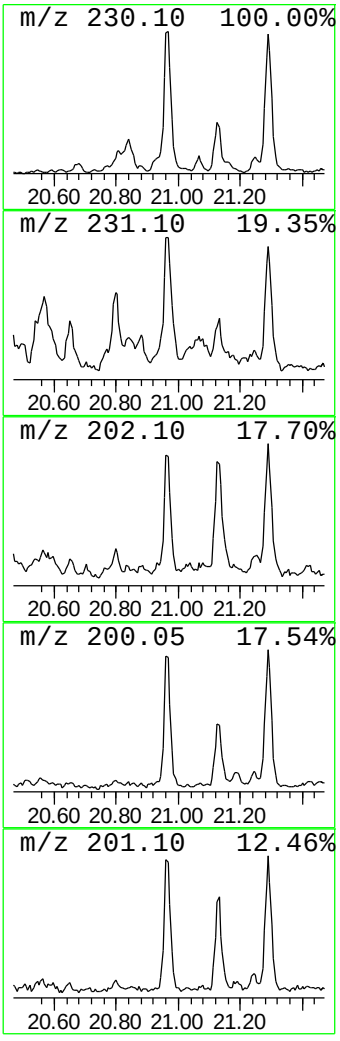
****

Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.17 ng/ul	253448	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

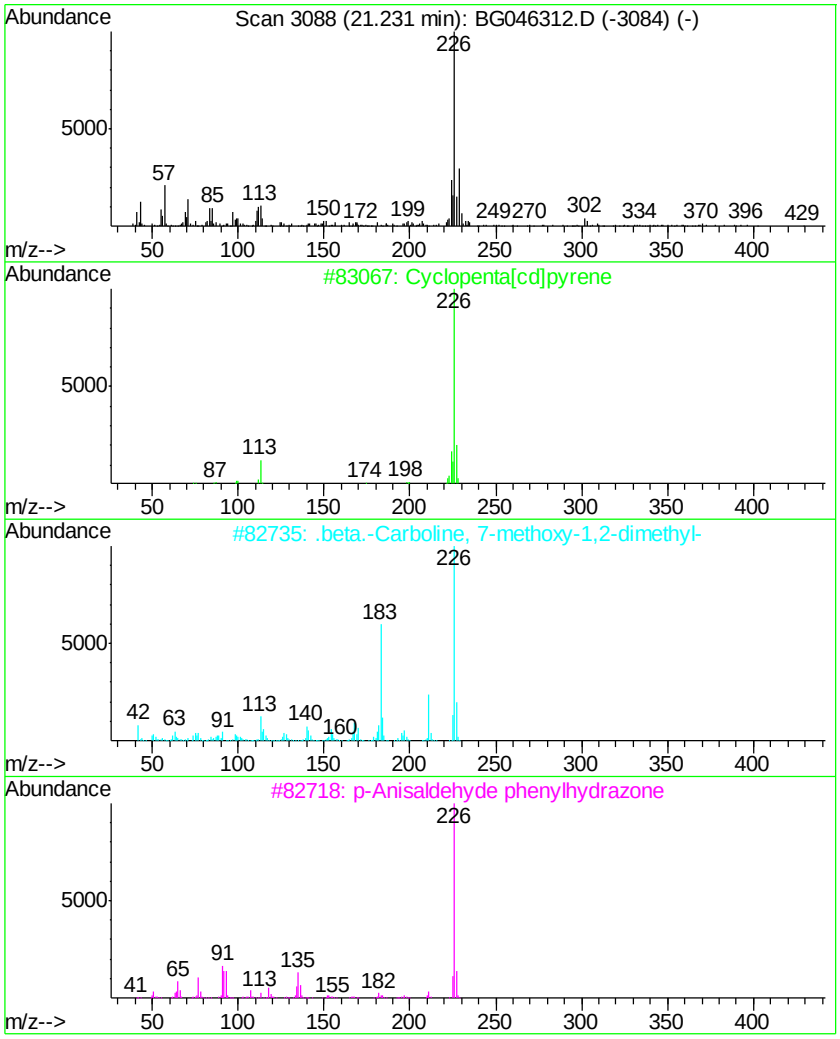
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

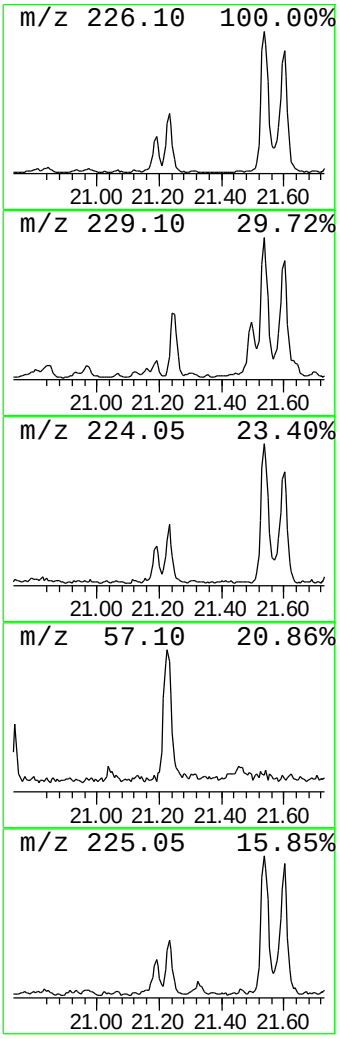
****

Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.87 ng/ul	335559	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	46
4	Anthralin	226	C14H10O3	001143-38-0	43
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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

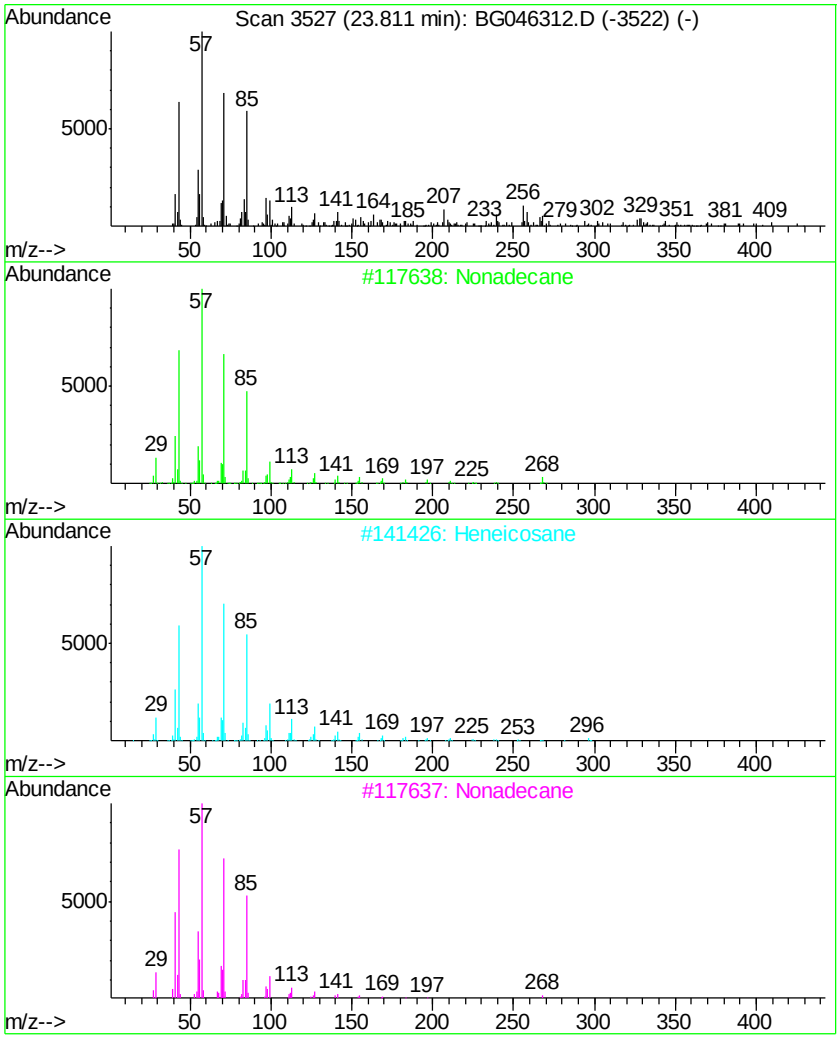
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

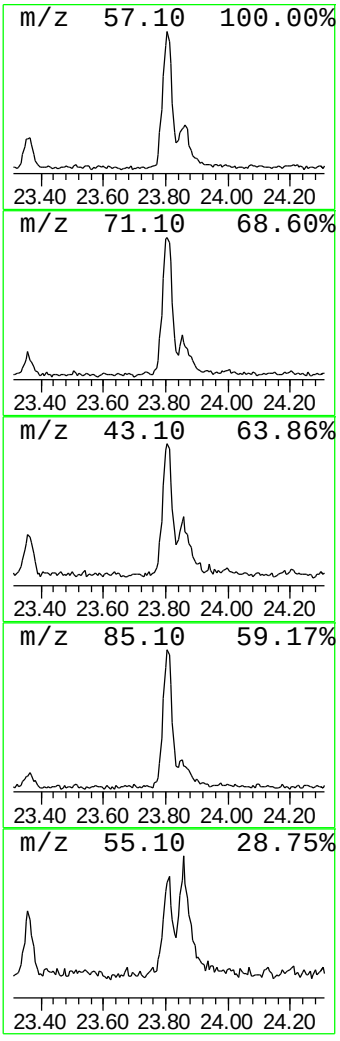
****

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	2.26 ng/ul	142019	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Heneicosane	296	C21H44	000629-94-7	95
3	Nonadecane	268	C19H40	000629-92-5	95
4	Heneicosane	296	C21H44	000629-94-7	95
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046312.D
Acq On : 18 Aug 2020 1:57
Operator : CG/JU
Sample : L3632-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM96

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	105.6	ng/ul	2170400	1	7.94	411032	20.0
unknown-01	3.92	2.5	ng/ul	51747	1	7.94	411032	20.0
4H-Imidazol-4-one...	7.11	4.0	ng/ul	81318	1	7.94	411032	20.0
unknown-02	7.27	3.2	ng/ul	66688	1	7.94	411032	20.0
unknown-03	7.48	4.1	ng/ul	83682	1	7.94	411032	20.0
unknown-04	8.65	4.3	ng/ul	88086	1	7.94	411032	20.0
unknown-05	9.09	4.0	ng/ul	82250	1	7.94	411032	20.0
unknown-06	9.82	2.2	ng/ul	68238	2	10.74	628155	20.0
Naphthalene, 1-me...	12.61	2.5	ng/ul	77015	2	10.74	628155	20.0
Benzenamine, N,N-...	13.97	5.1	ng/ul	236312	3	14.57	922920	20.0
Dibenzofuran	14.97	4.5	ng/ul	208869	3	14.57	922920	20.0
Dibenzofuran, 4-m...	15.91	2.5	ng/ul	114500	3	14.57	922920	20.0
[1,1'-Biphenyl]-4...	16.05	3.1	ng/ul	176412	4	17.31	1132720	20.0
9H-Fluoren-9-one	16.96	3.0	ng/ul	168494	4	17.31	1132720	20.0
Phenol, 4-(2-phen...	17.04	2.2	ng/ul	123367	4	17.31	1132720	20.0
Naphtho[2,1-b]thi...	17.13	2.2	ng/ul	122238	4	17.31	1132720	20.0
5H-Indeno[1,2-b]p...	17.71	5.1	ng/ul	289391	4	17.31	1132720	20.0
Phenanthrene, 2-m...	18.19	6.4	ng/ul	360429	4	17.31	1132720	20.0
Phenanthrene, 1-m...	18.23	8.5	ng/ul	479514	4	17.31	1132720	20.0
Anthracene, 2-met...	18.32	3.1	ng/ul	176243	4	17.31	1132720	20.0
4H-Cyclopenta[def...	18.38	8.5	ng/ul	480040	4	17.31	1132720	20.0
Anthracene, 9-met...	18.42	2.9	ng/ul	162397	4	17.31	1132720	20.0
Naphthalene, 2-ph...	18.68	3.6	ng/ul	202086	4	17.31	1132720	20.0
9,10-Anthracenedione	18.72	3.2	ng/ul	181363	4	17.31	1132720	20.0
Phenanthrene, 3,6...	19.10	3.4	ng/ul	194717	4	17.31	1132720	20.0
Cyclopenta(def)ph...	19.23	3.6	ng/ul	206426	4	17.31	1132720	20.0
Pyrene, 2-methyl-	20.21	2.5	ng/ul	294527	5	21.55	2338330	20.0
Pyrene, 1-methyl-	20.37	2.6	ng/ul	298854	5	21.55	2338330	20.0
11H-Benzo[a]fluor...	20.97	2.2	ng/ul	253448	5	21.55	2338330	20.0
Cyclopenta[cd]pyrene	21.23	2.9	ng/ul	335559	5	21.55	2338330	20.0
(DEL) Alkane: Str...	23.81	2.3	ng/ul	142019	6	24.66	1258680	20.0