LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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	3.144	4	9	28	rVB	1712726	2742354	100.00%	7.279%
2	3.396	48	52	62	rVB	14586	25387	0.93%	0.067%
3	3.919	135	141	149	rVV	29234	45904	1.67%	0.122%
4	4.048	158	163	172	rVB2	18333	30000	1.09%	0.080%
5	5.047	328	333	340	rVB	12840	21838	0.80%	0.058%
6	7.109	676	684	698	rBV	253124	461796	16.84%	1.226%
7	7.268	703	711	721	rBV	207032	345666	12.60%	0.918%
8	7.474	738	746	757	rBV	260368	458369	16.71%	1.217%
9	7.938	817	825	834	rBV	314162	530557	19.35%	1.408%
10	8.649	939	946	955	rBV	299146	538428	19.63%	1.429%
11	9.090	1014	1021	1031	rBV	245939	444771	16.22%	1.181%
12	9.178	1031	1036	1043	rVB	13540	22666	0.83%	0.060%
13	9.812	1137	1144	1155	rBV	203237	379059	13.82%	1.006%
14	10.359	1229	1237	1248	rBV	334722	625553	22.81%	1.660%
15	10.735	1292	1301	1308	rBV	454620	806599	29.41%	2.141%
16	10.864	1317	1323	1341	rBV	209810	420582	15.34%	1.116%
17	13.896	1829	1839	1843	rBV4	9395	18051	0.66%	0.048%
18	13.972	1843	1852	1856	rBV	674114	951136	34.68%	2.525%
19	14.019	1856	1860	1866	rVB	142144	207393	7.56%	0.551%
20	14.260	1890	1901	1915	rBV	746259	1222411	44.58%	3.245%
21	14.565	1943	1953	1960	rBV2	734822	1163985	42.44%	3.090%
22	14.630	1960	1964	1971	rVB2	15510	25792	0.94%	0.068%
23	14.765	1981	1987	2000	rBV	194377	362448	13.22%	0.962%
24	14.965	2016	2021	2028	rVB2	18535	33576	1.22%	0.089%
25	15.365	2080	2089	2092	rBV8	7441	17492	0.64%	0.046%
26	15.558	2115	2122	2128	rBV	963805	1517278	55.33%	4.028%
27	15.611	2128	2131	2136	rVV3	31263	44401	1.62%	0.118%
28	15.676	2136	2142	2149	rVV	201165	308301	11.24%	0.818%
29	15.799	2156	2163	2167	rVV4	10852	22056	0.80%	0.059%
30	15.911	2177	2182	2191	rVB2	17210	29290	1.07%	0.078%
31	16.058	2201	2207	2215	rVB4	15410	32332	1.18%	0.086%
32	16.140	2215	2221	2229	rVB4	5930	15072	0.55%	0.040%
33	16.287	2238	2246	2253	rBV8	15329	32535	1.19%	0.086%
34	16.622	2291	2303	2308	rBV8	14500	42910	1.56%	0.114%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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	16.851	2334	2342	2345	rBV4	17207	33377	1.22%	0.089%
36	16.963	2357	2361	2368	rVB	37843	62100	2.26%	0.165%
37	17.045	2370	2375	2377	rBV2	17660	27122	0.99%	0.072%
38	17.127	2385	2389	2397	rVB	23916	44975	1.64%	0.119%
39	17.215	2399	2404	2410	rBV6	12404	22673	0.83%	0.060%
40	17.309	2410	2420	2424	rBV	912446	1397164	50.95%	3.709%
41	17.350	2424	2427	2432	rVV	475981	674519	24.60%	1.790%
42	17.409	2432	2437	2448	rVV	1023422	1615621	58.91%	4.289%
43	17.497	2448	2452	2459	rVB3	23971	39610	1.44%	0.105%
44	17.709	2480	2488	2492	rBV2	40344	81111	2.96%	0.215%
45	17.750	2493	2495	2499	rVV4	10383	16356	0.60%	0.043%
46	17.826	2503	2508	2514	rVV3	20880	35913	1.31%	0.095%
47	17.891	2515	2519	2524	rVB4	19918	27556	1.00%	0.073%
48	18.102	2552	2555	2559	rBV2	12352	15916	0.58%	0.042%
49	18.185	2562	2569	2571	rBV	100131	145442	5.30%	0.386%
50	18.208	2571	2573	2575	rVV	99731	135836	4.95%	0.361%
51	18.232	2575	2577	2583	rVV	155516	223452	8.15%	0.593%
52	18.314	2587	2591	2596	rVV	39418	62238	2.27%	0.165%
53	18.379	2596	2602	2606	rVV3	131272	255239	9.31%	0.678%
54	18.414	2606	2608	2614	rVB	80039	106417	3.88%	0.282%
55	18.508	2619	2624	2625	rBV5	12508	19271	0.70%	0.051%
56	18.531	2625	2628	2632	rVB4	17752	25539	0.93%	0.068%
57	18.684	2649	2654	2657	rBV	83957	118371	4.32%	0.314%
58	18.719	2657	2660	2666	rVB	89990	123012	4.49%	0.327%
59	18.813	2672	2676	2678	rBV5	12872	15493	0.56%	0.041%
60	18.931	2692	2696	2699	rVV2	46797	63702	2.32%	0.169%
61	18.978	2701	2704	2707	rVV	30876	45176	1.65%	0.120%
62	19.019	2708	2711	2715	rVB2	35490	42402	1.55%	0.113%
63	19.101	2720	2725	2730	rBV2	94604	160981	5.87%	0.427%
64	19.160	2730	2735	2738	rBV4	26805	49492	1.80%	0.131%
65	19.236	2744	2748	2757	rBV	89543	157464	5.74%	0.418%
66	19.360	2764	2769	2776	rVB	1003021	1426291	52.01%	3.786%
67	19.424	2776	2780	2783	rBV3	30216	44514	1.62%	0.118%
68	19.460	2783	2786	2791	rVB3	33575	43007	1.57%	0.114%
69	19.507	2791	2794	2798	rBV	32967	43722	1.59%	0.116%
70	19.554	2798	2802	2805	rBV4	32636	47455	1.73%	0.126%
71	19.695	2820	2826	2829	rBV2	1377305	2211317	80.64%	5.870%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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	19.724	2829	2831	2839	rVV	960054	1124431	41.00%	2.985%
73	19.795	2839	2843	2853	rVV2	59663	119159	4.35%	0.316%
74	19.900	2857	2861	2866	rVV	61725	87323	3.18%	0.232%
75	19.959	2868	2871	2876	rVB2	58566	88139	3.21%	0.234%
76	20.053	2880	2887	2893	rBV4	99051	266451	9.72%	0.707%
77	20.182	2905	2909	2910	rBV3	67137	87403	3.19%	0.232%
78	20.212	2911	2914	2925	rVB	148177	235770	8.60%	0.626%
79	20.318	2928	2932	2935	rBV	60810	79820	2.91%	0.212%
80	20.370	2935	2941	2946	rBV3	130219	227902	8.31%	0.605%
81	20.453	2952	2955	2960	rBV3	29056	46249	1.69%	0.123%
82	20.511	2961	2965	2969	rVV	83306	113837	4.15%	0.302%
83	20.558	2969	2973	2977	rVB3	80932	112959	4.12%	0.300%
84	20.970	3038	3043	3049	rVB	137658	218415	7.96%	0.580%
85	21.140	3067	3072	3077	rBV2	77915	184000	6.71%	0.488%
86	21.193	3077	3081	3082	rVV	103684	132103	4.82%	0.351%
87	21.222	3082	3086	3094	rVV4	438159	792871	28.91%	2.105%
88	21.293	3094	3098	3108	rVB	134104	234143	8.54%	0.622%
89	21.463	3123	3127	3130	rVB	109642	133884	4.88%	0.355%
90	21.557	3135	3143	3148	rVV2	1122193	2481430	90.49%	6.587%
91	21.604	3148	3151	3163	rVB	466937	764079	27.86%	2.028%
92	22.350	3273	3278	3288	rBV7	78563	249297	9.09%	0.662%
93	23.690	3498	3506	3514	rBV4	350366	1214839	44.30%	3.225%
94	23.802	3522	3525	3530	rVV2	75131	115658	4.22%	0.307%
95	23.860	3531	3535	3542	rVB2	86592	171858	6.27%	0.456%
96	24.389	3618	3625	3629	rBV2	171345	434204	15.83%	1.153%
97	24.460	3629	3637	3643	rVV	643036	1716328	62.59%	4.556%
98	24.518	3644	3647	3659	rVB	289136	667376	24.34%	1.772%
99	24.671	3664	3673	3681	rBV	554499	1599351	58.32%	4.245%
100	25.811	3859	3867	3876	rVB2	125645	367559	13.40%	0.976%

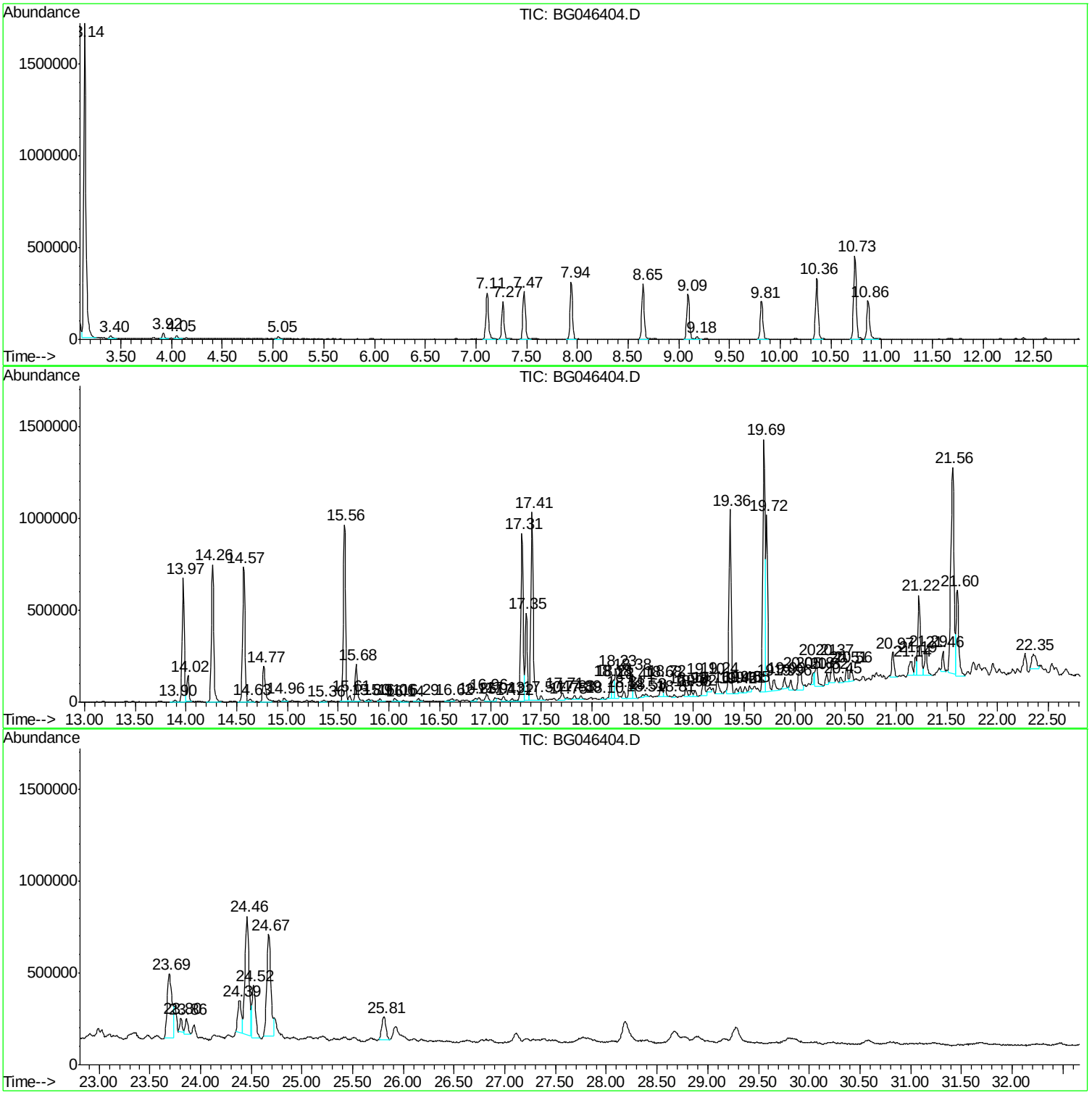
Sum of corrected areas: 37672672

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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 : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

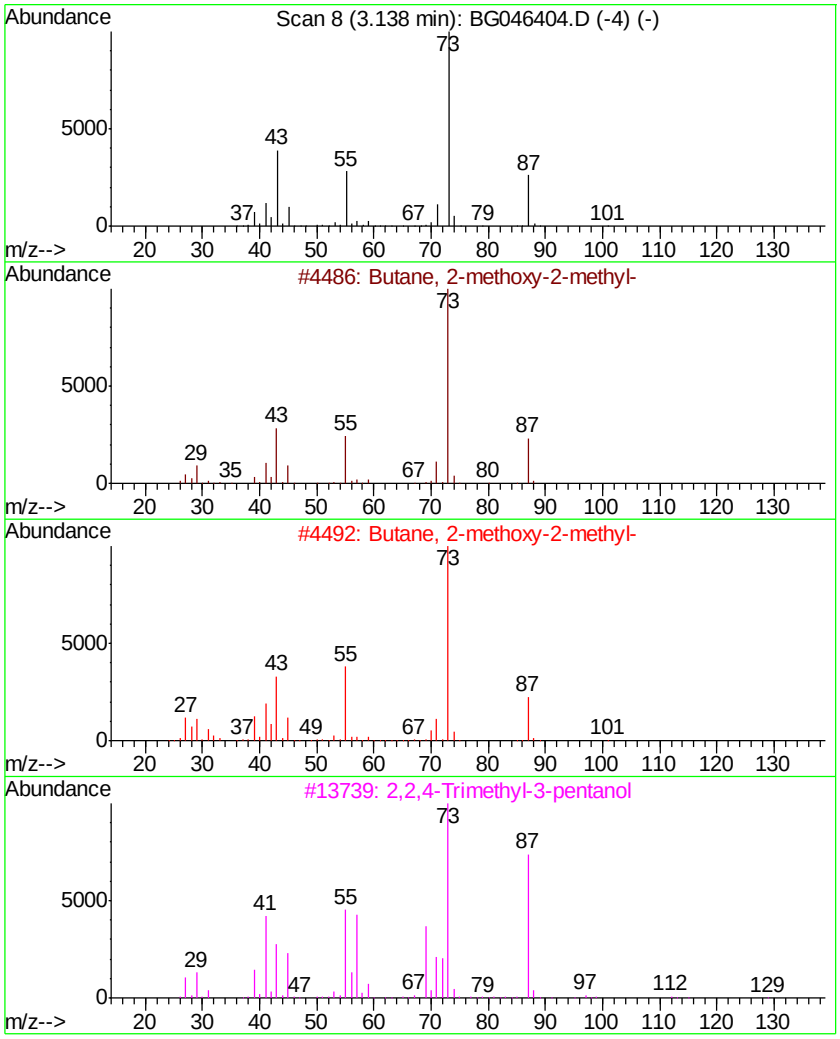
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

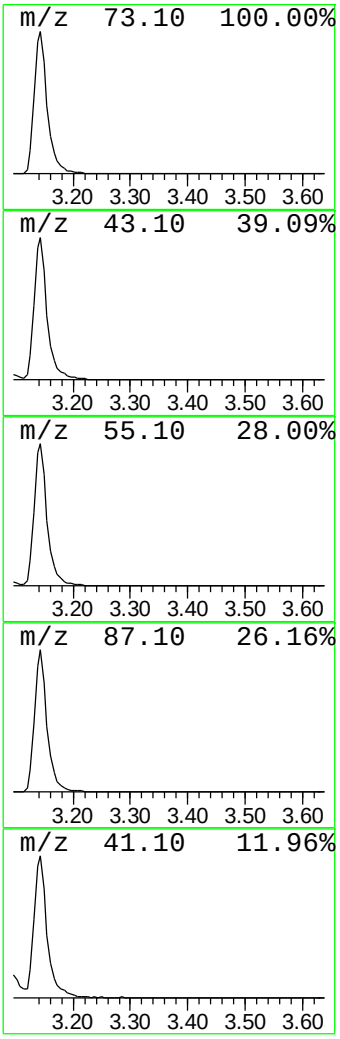
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	103.38 ng/ul	2742350	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	56
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

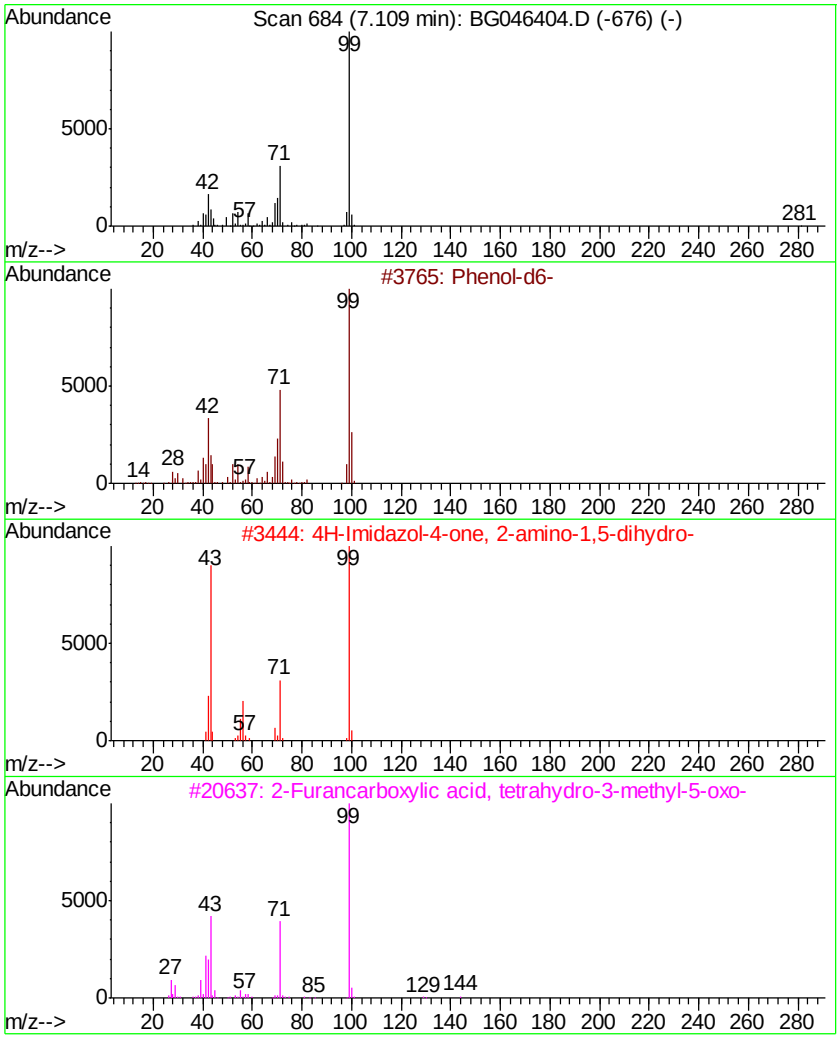
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

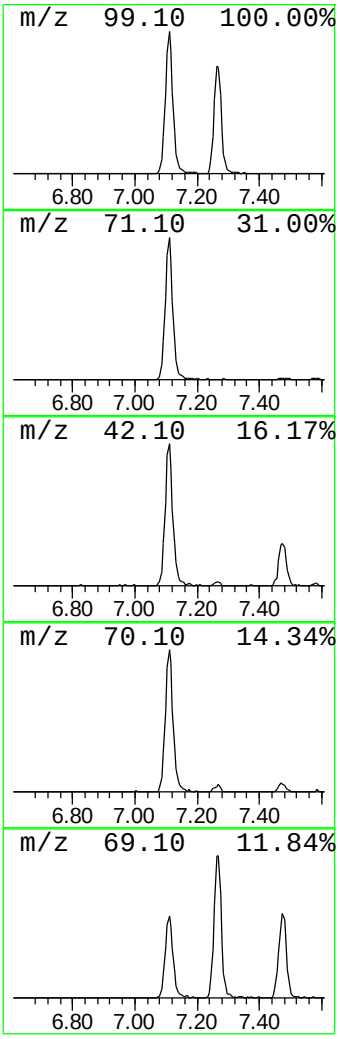
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	17.41 ng/ul	461796	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol-d6-	100	C6D6O	013127-88-3	64
2	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	59
3	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	45
4	Piperazine, 1-(4-acetylphenylsul...	282	C13H18N2O3S	309271-25-8	40
5	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	39





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

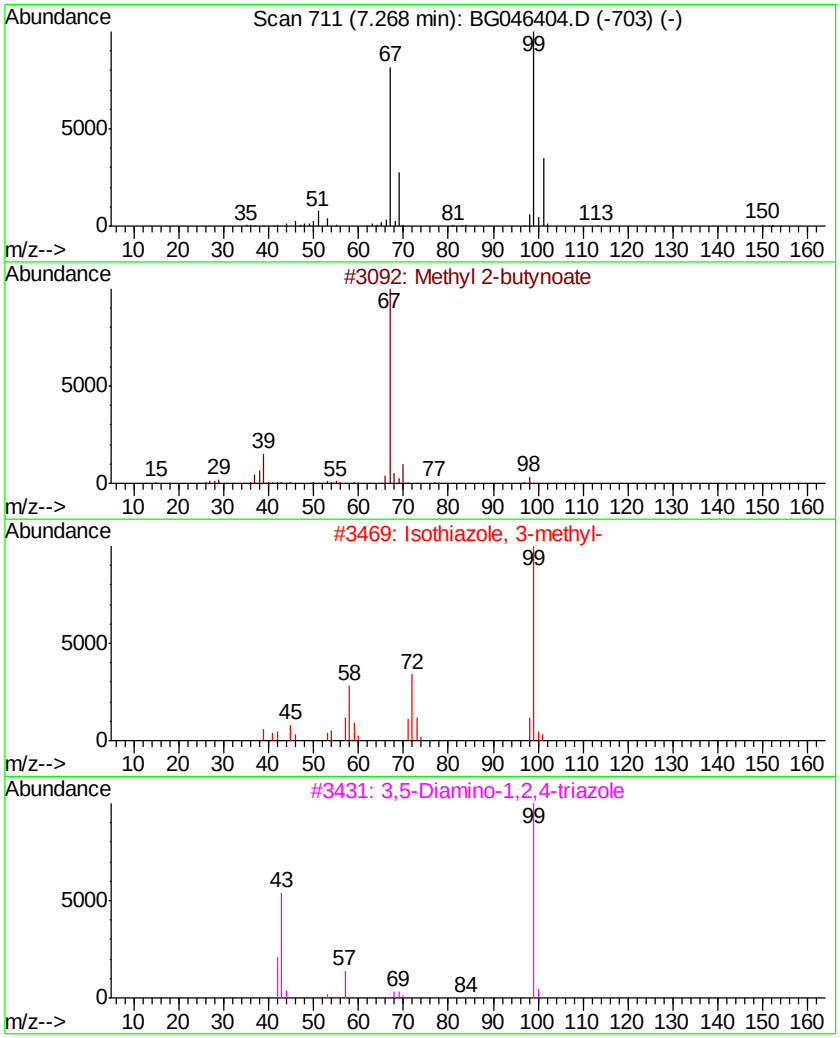
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

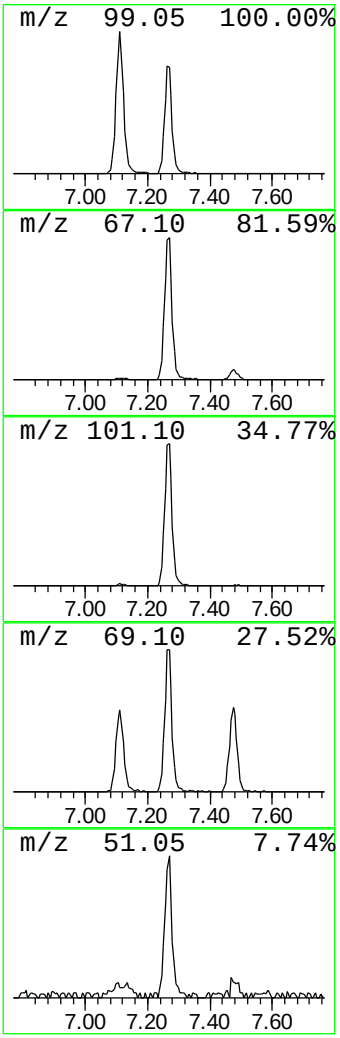
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	13.03 ng/ul	345666	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2-butynoate	98	C5H6O2	023326-27-4	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

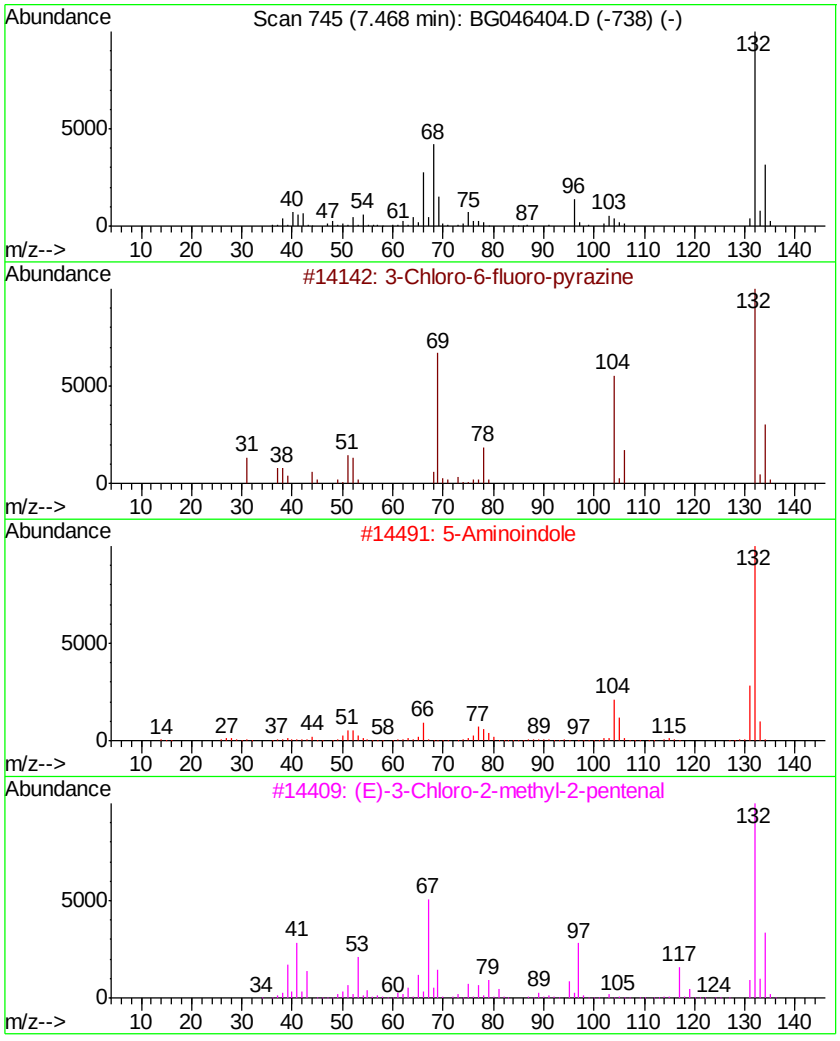
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

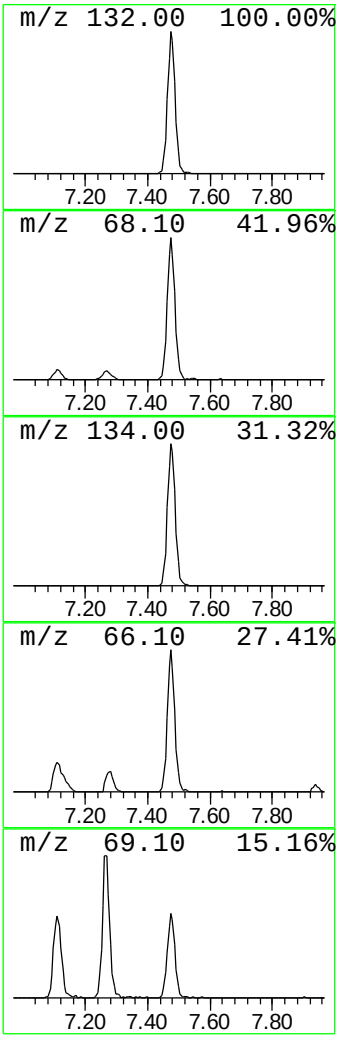
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	17.28 ng/ul	458369	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	1-Isoquinolinemethanol, .alpha.-...	191	C12H17NO	114608-92-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

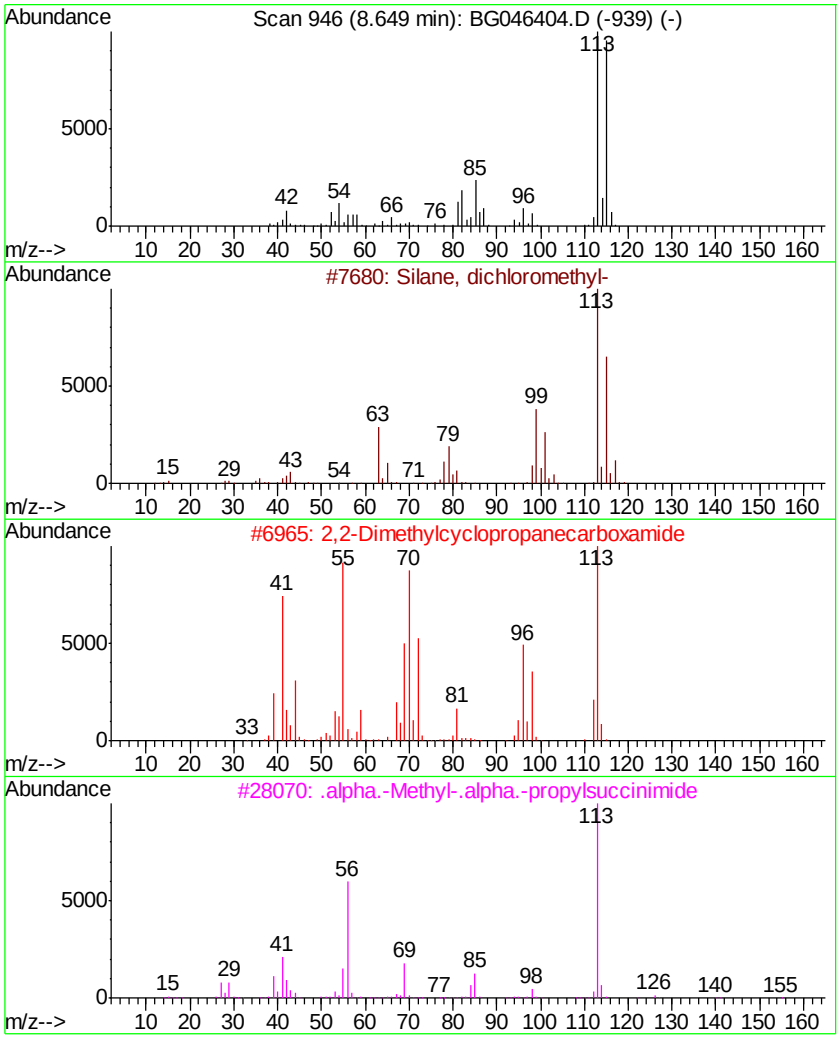
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

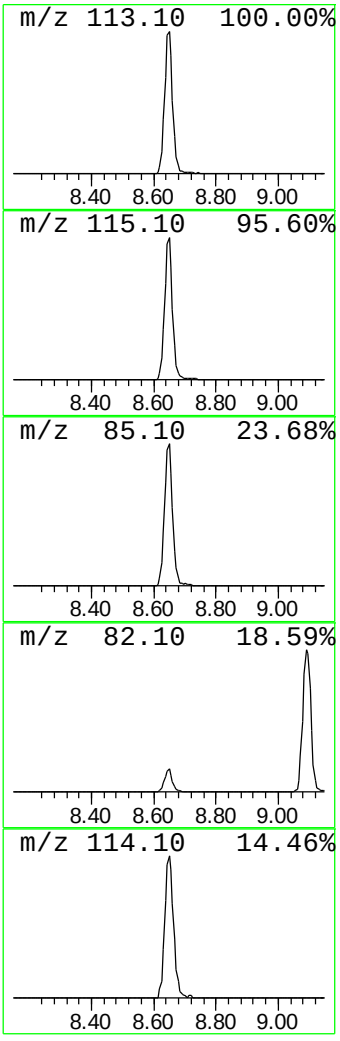
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	20.30 ng/ul	538428	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	2,2-Dimethylcyclopropanecarboxamide	113	C6H11NO	075885-58-4	27
3	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	25
4	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	25
5	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

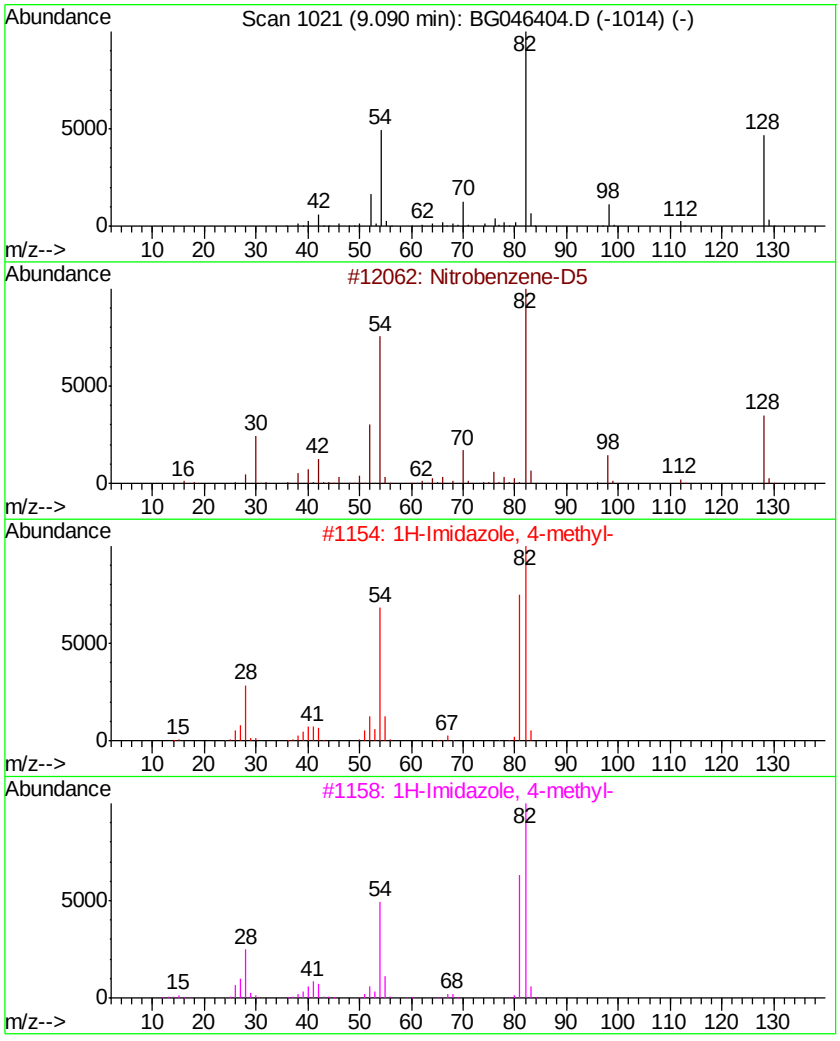
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

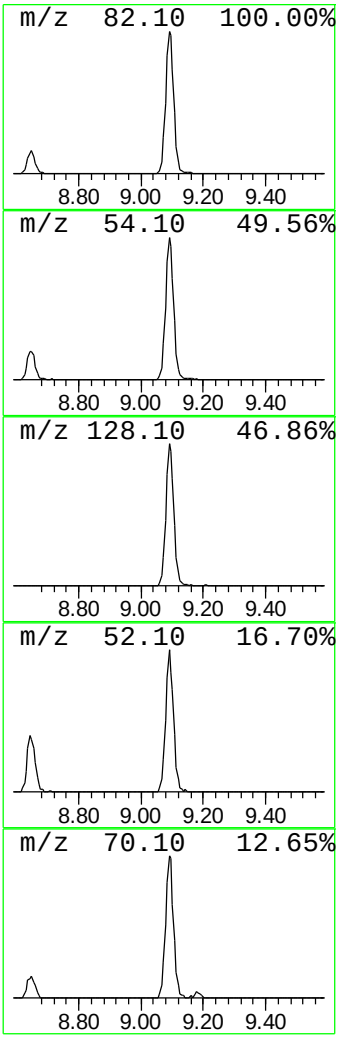
****

Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.77 ng/ul	444771	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	64
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
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	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

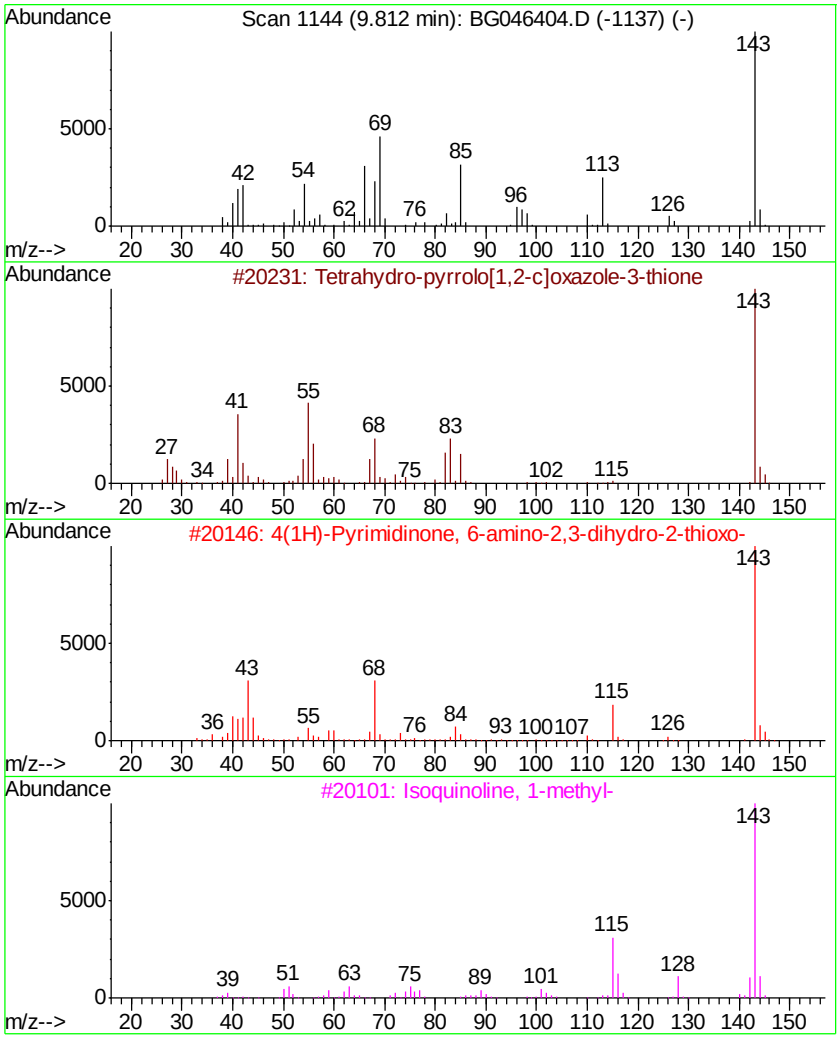
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

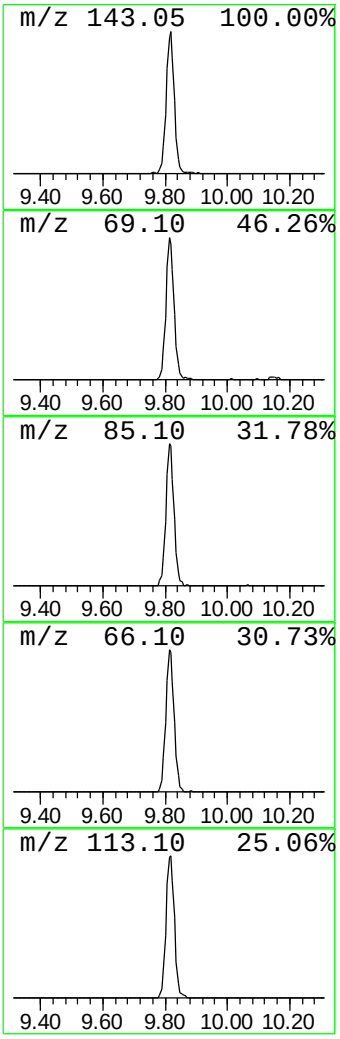
****

Peak Number 7 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	9.40 ng/ul	379059	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	16
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	9
4	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	9
5	2,3-Dimethyl-5-methylamino-1,3,4...	143	C5H9N3S	1000288-97-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

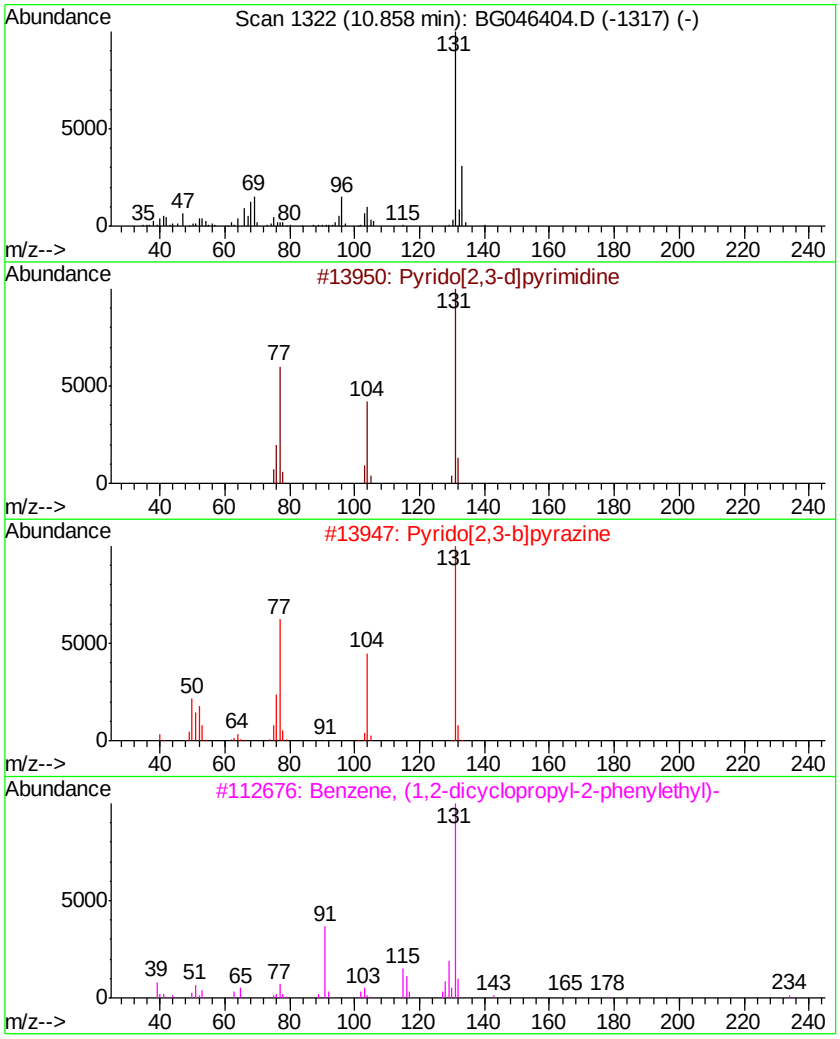
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

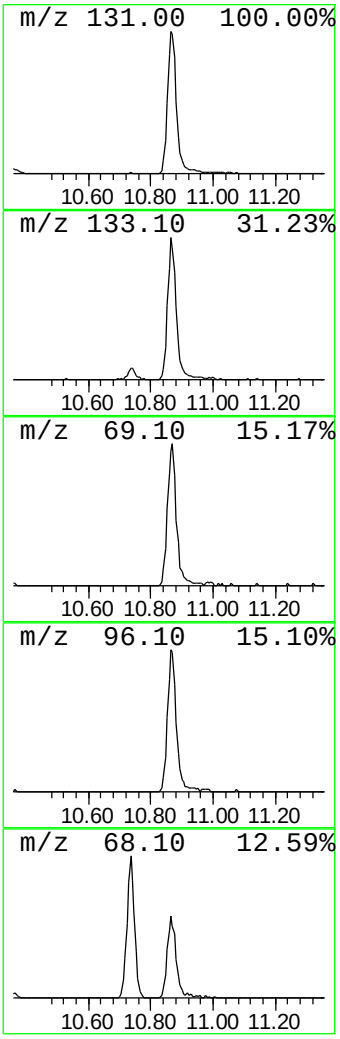
****

Peak Number 8 Pyrido[2,3-d]pyrimidine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	10.43 ng/ul	420582	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]pyrimidine	131	C7H5N3	000254-61-5	64
2	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	38
3	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	33
4	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
5	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

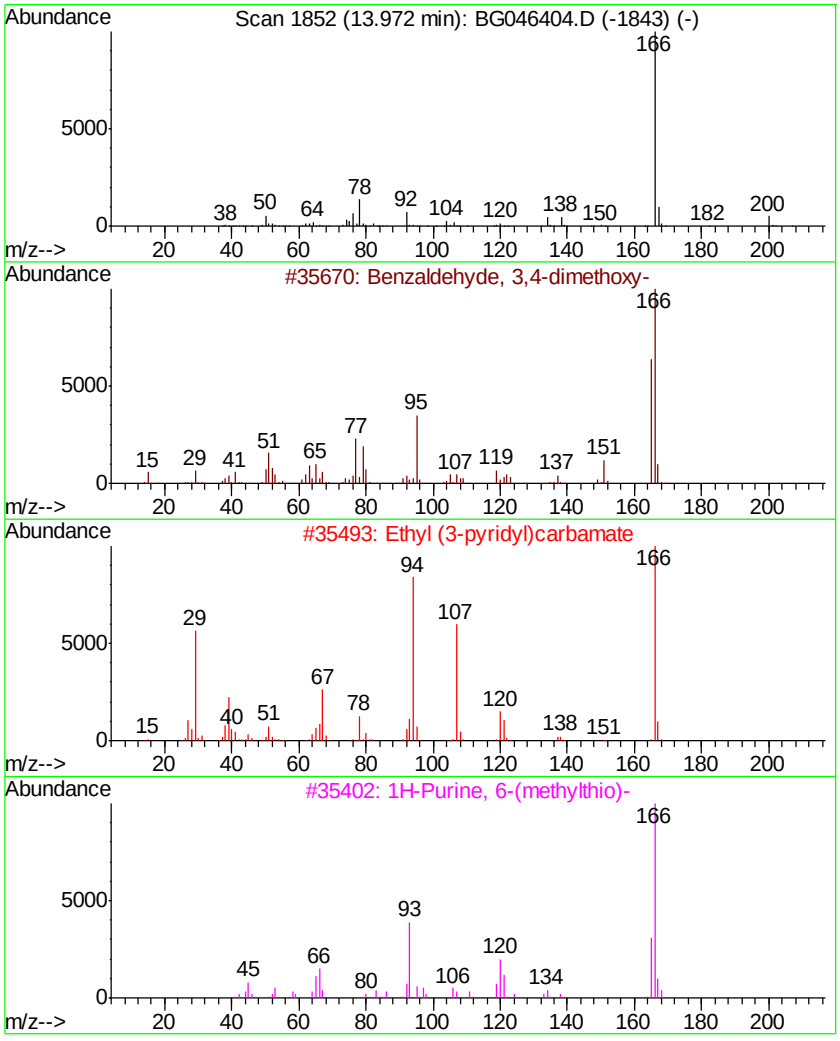
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

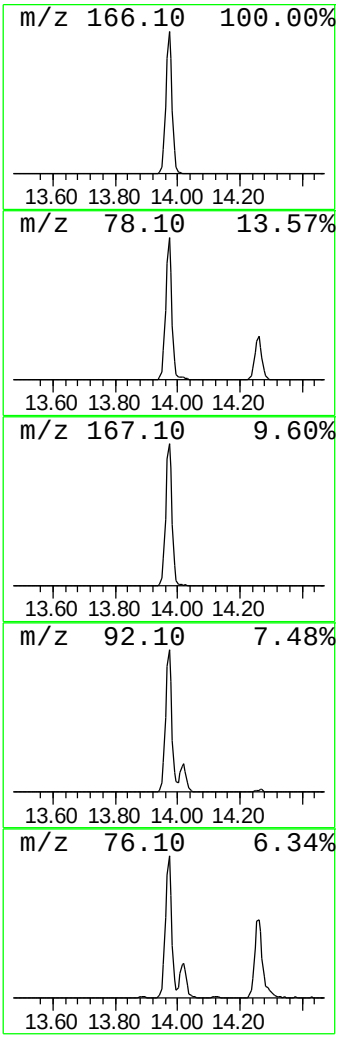
****

Peak Number 9 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	16.34 ng/ul	951136	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
3	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
4	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
5	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

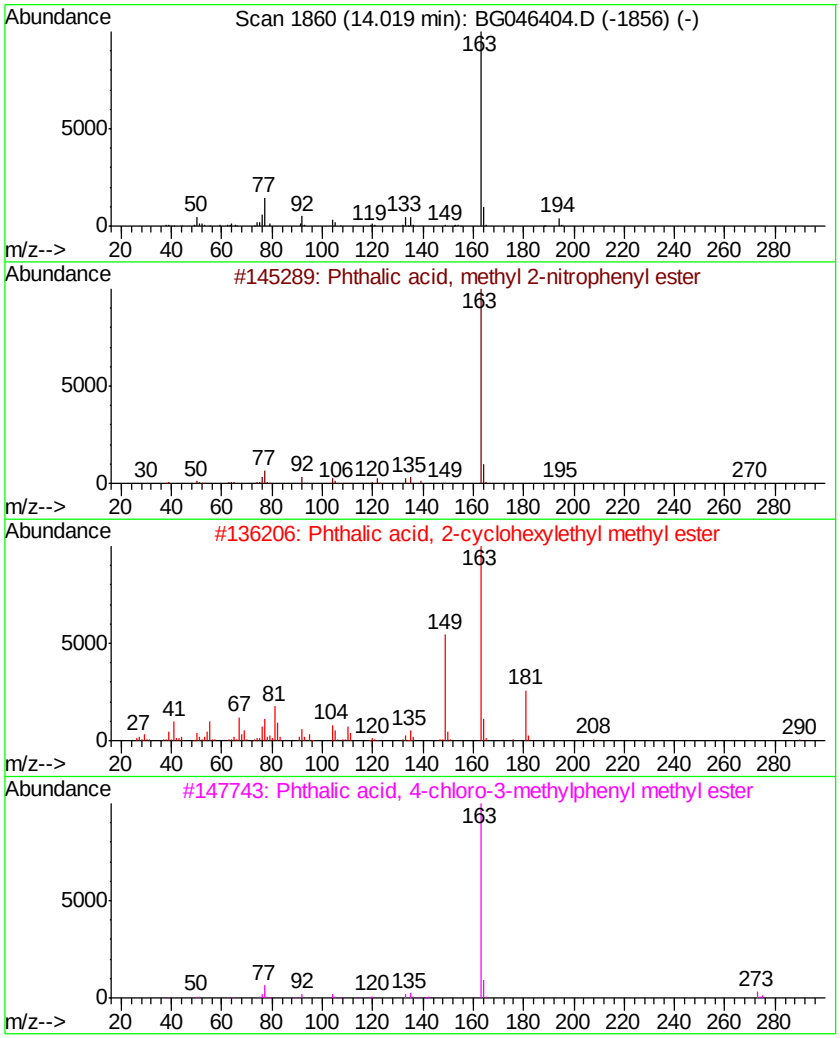
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

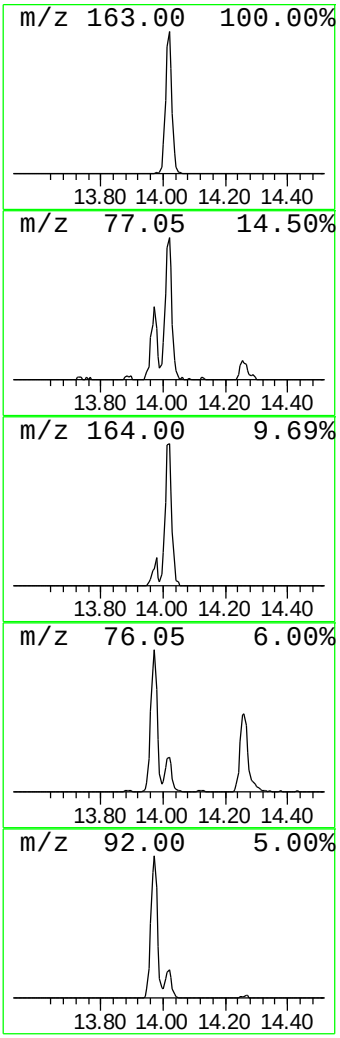
****

Peak Number 10 Phthalic acid, methyl 2-nit... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.56 ng/ul	207393	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	78
2	Phthalic acid, 2-cyclohexylethyl...	290	C17H22O4	1000309-03-4	74
3	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	74
4	Methyl octyl phthalate	292	C17H24O4	091485-83-5	72
5	Methyl 4-methylpentyl phthalate	264	C15H20O4	1000373-82-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

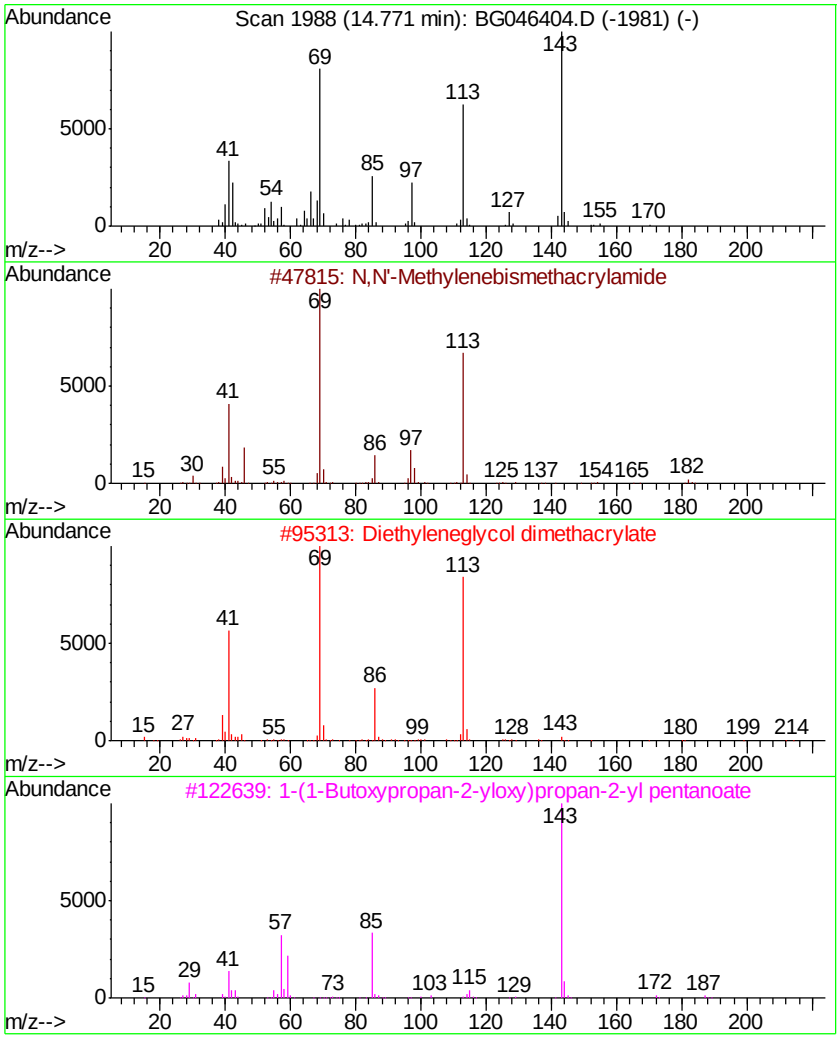
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

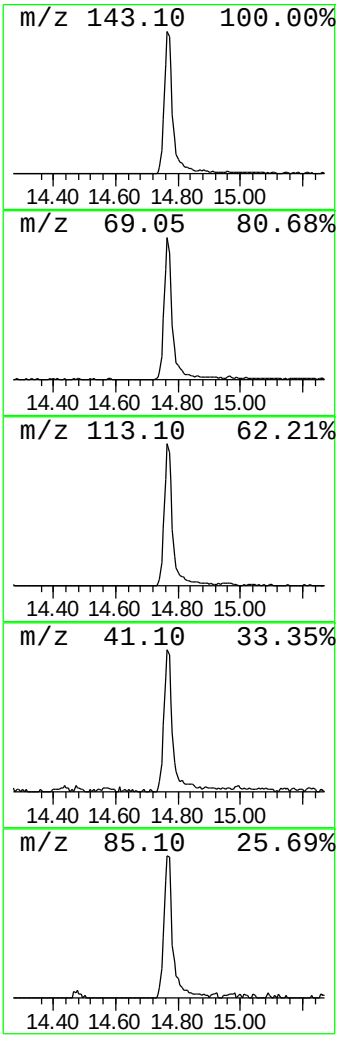
****

Peak Number 11 unknown-06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	6.23 ng/ul	362448	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	35
2	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
3	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	22
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	22
5	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	16





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

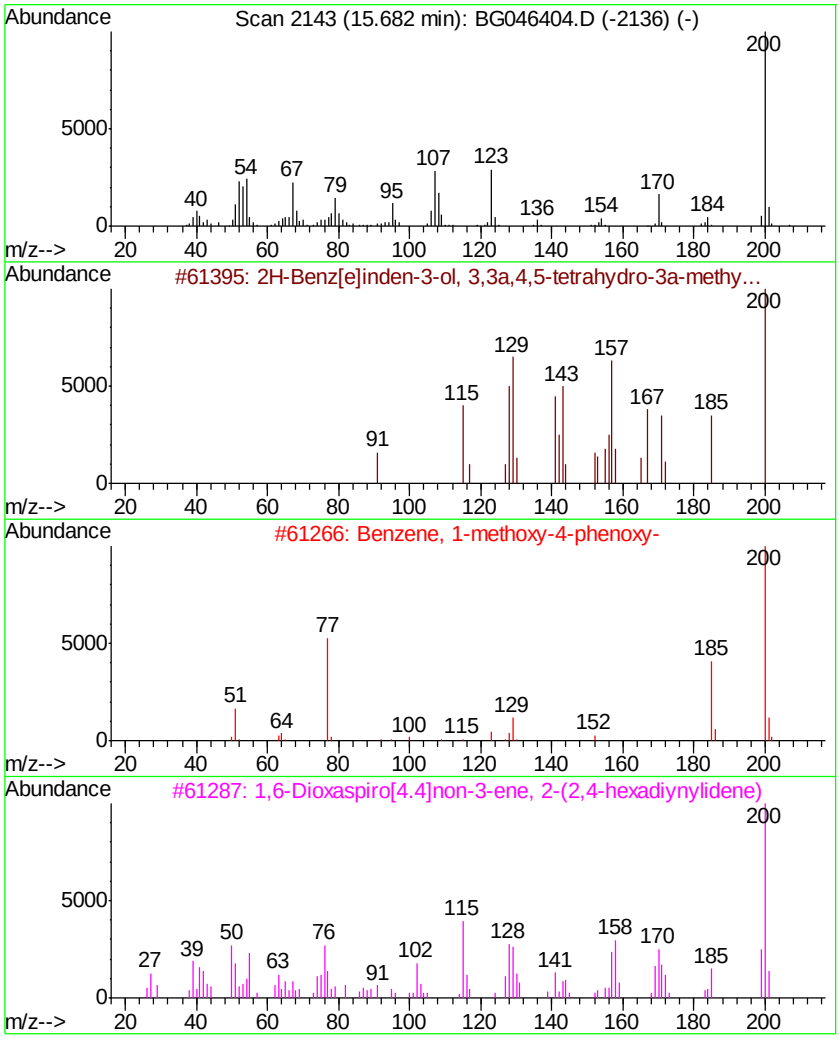
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

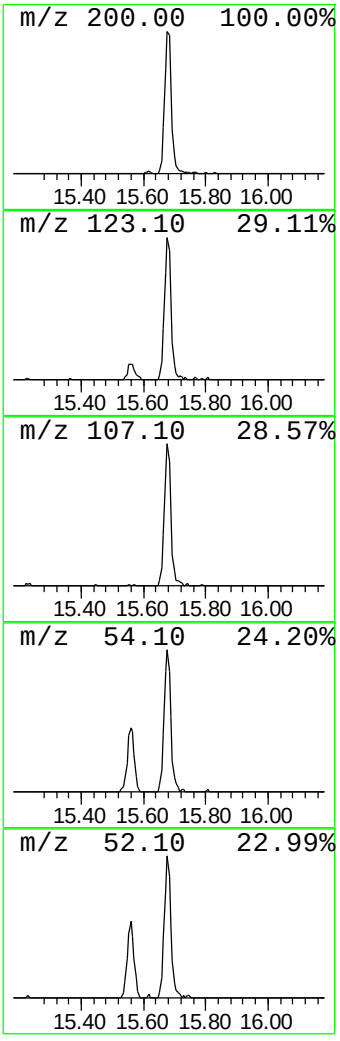
****

Peak Number 12 unknown-07 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.30 ng/ul	308301	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	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	22
3	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	16
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14
5	Anthracene, 1,2,3,4,5,6,7,8-octa...	200	C15H20	1000159-30-4	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

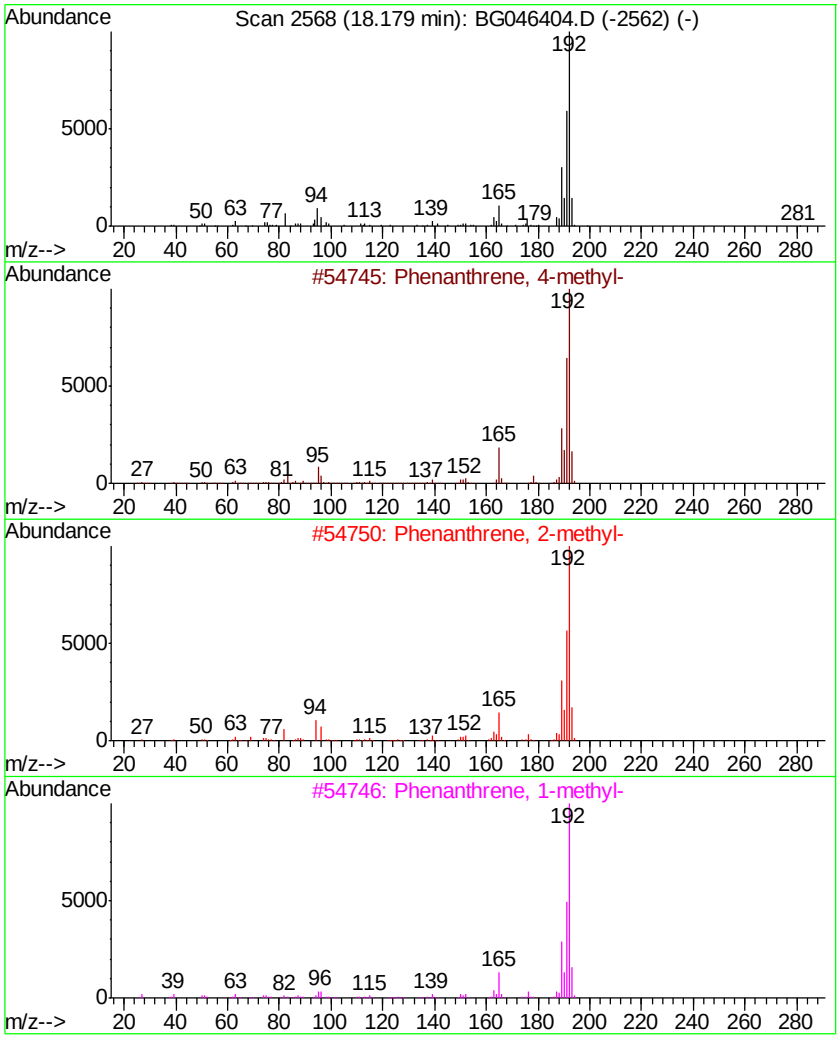
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

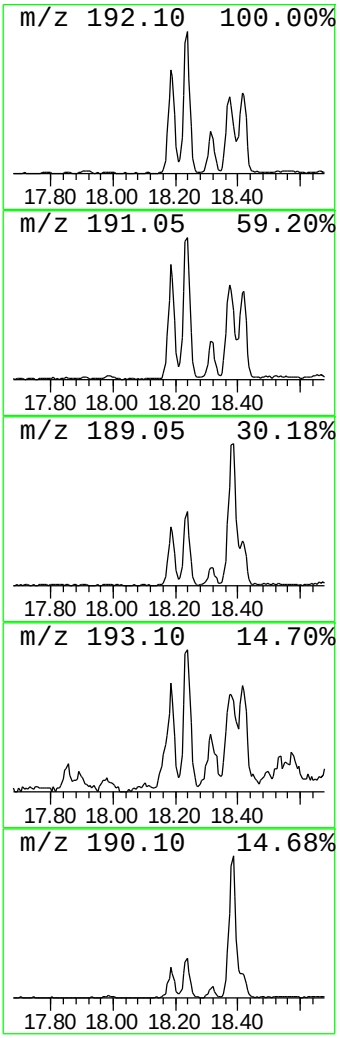
****

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.08 ng/ul	145442	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

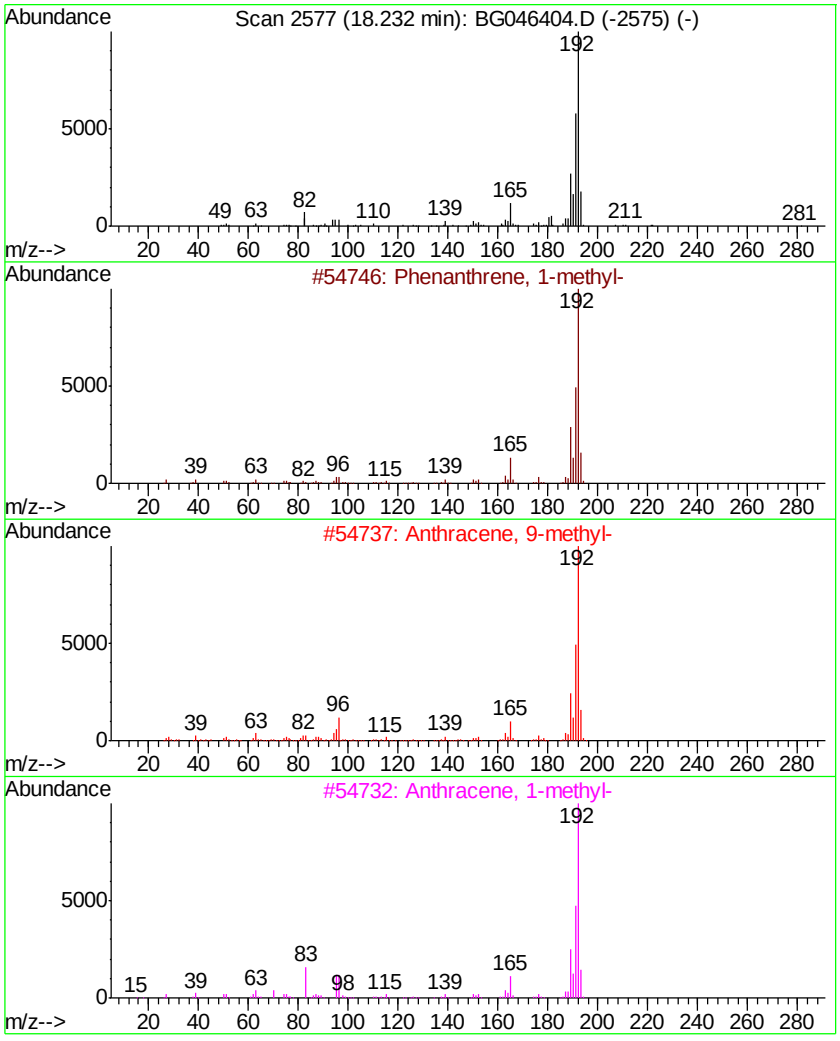
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

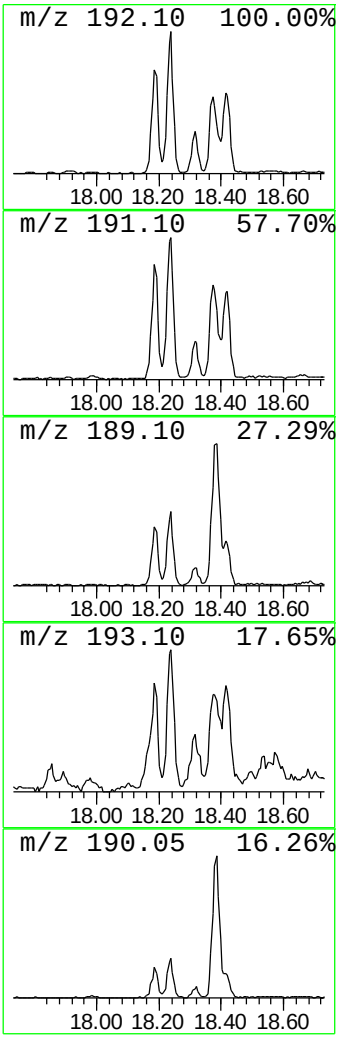
****

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.20 ng/ul	223452	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

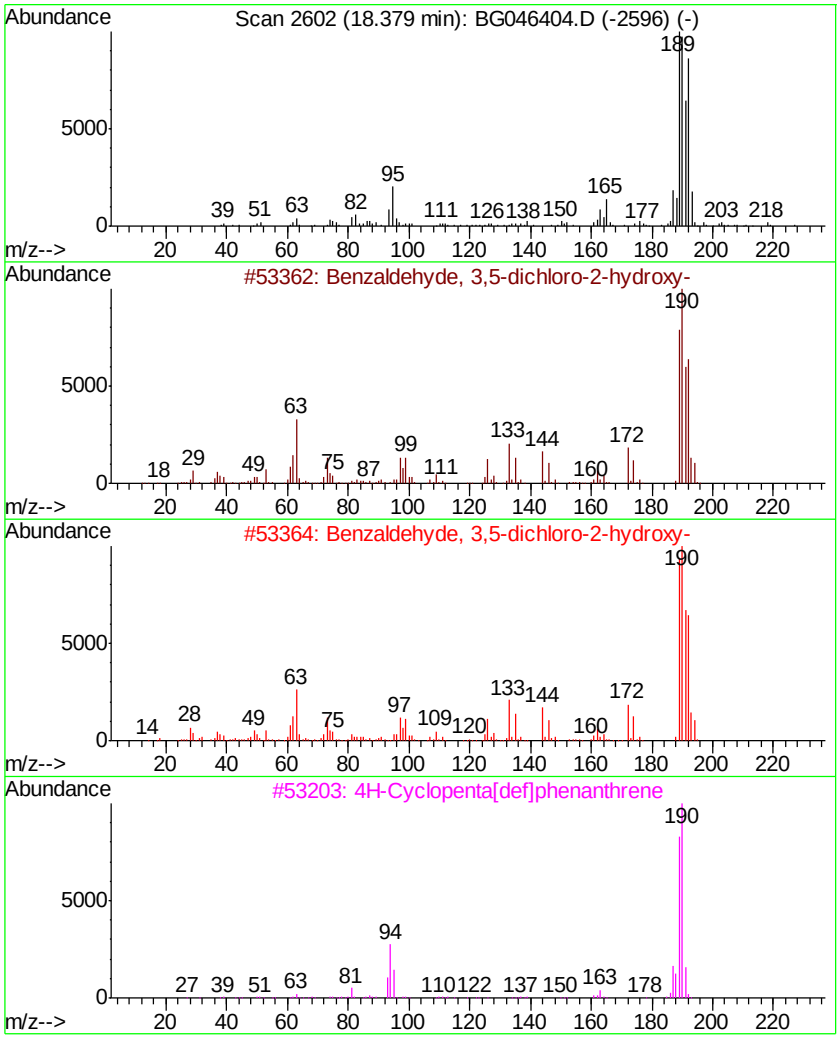
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

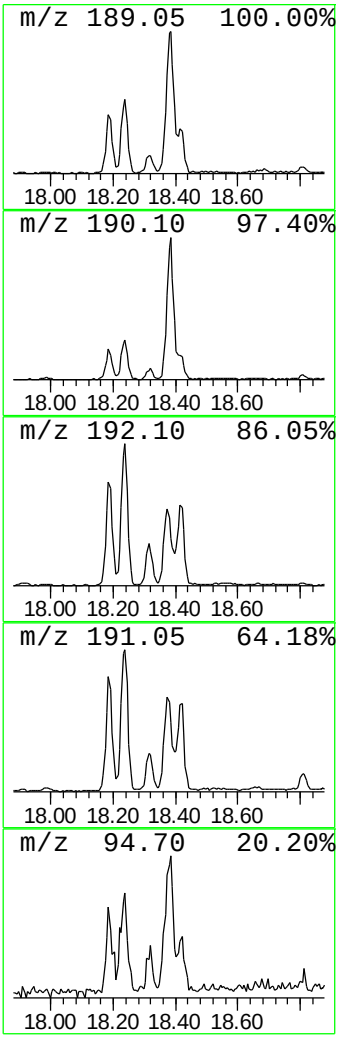
****

Peak Number 15 Benzaldehyde, 3,5-dichloro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.65 ng/ul	255239	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	80
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

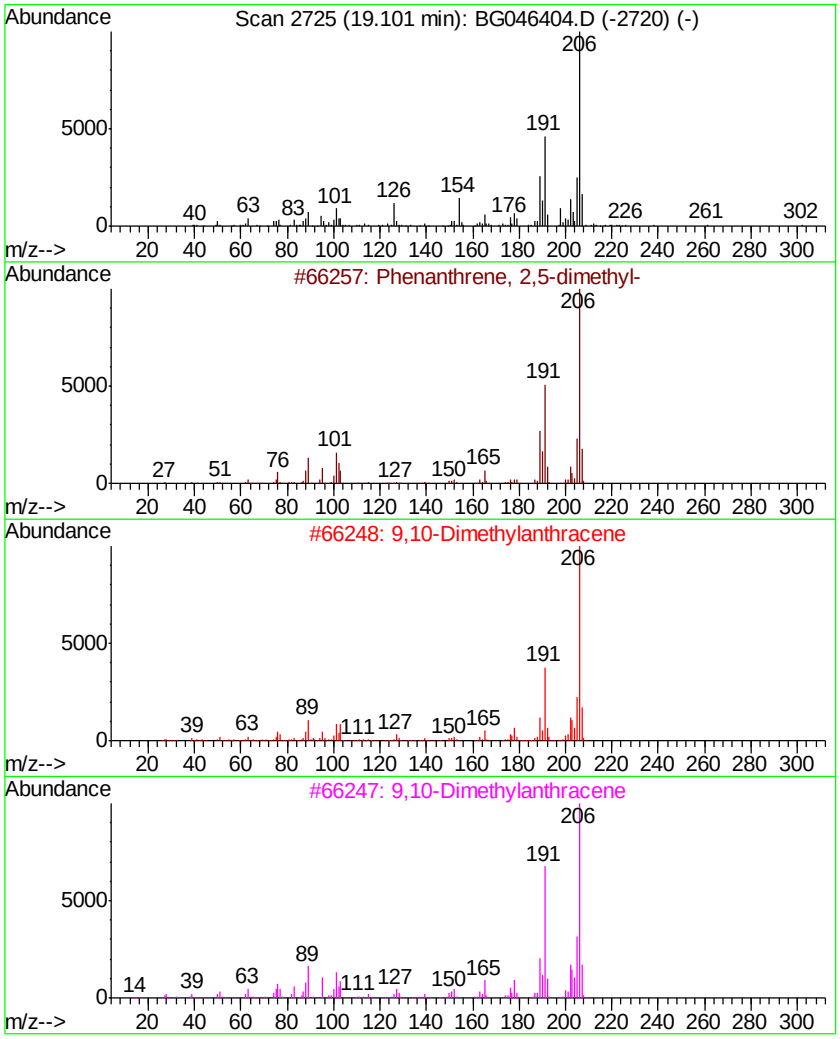
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

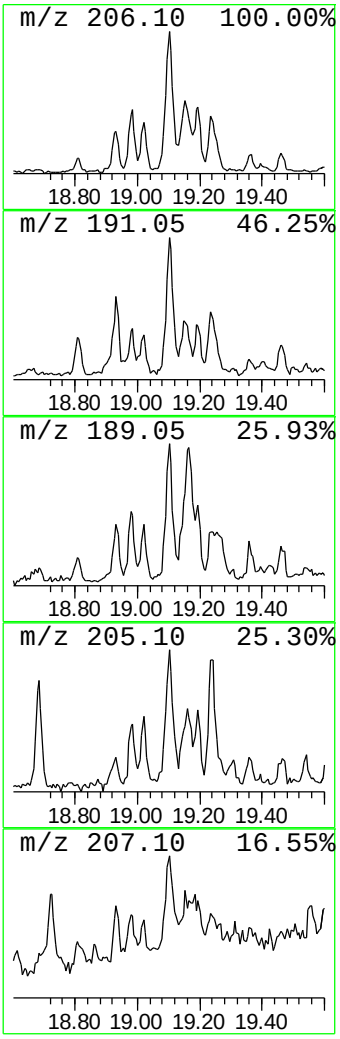
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.30 ng/ul	160981	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

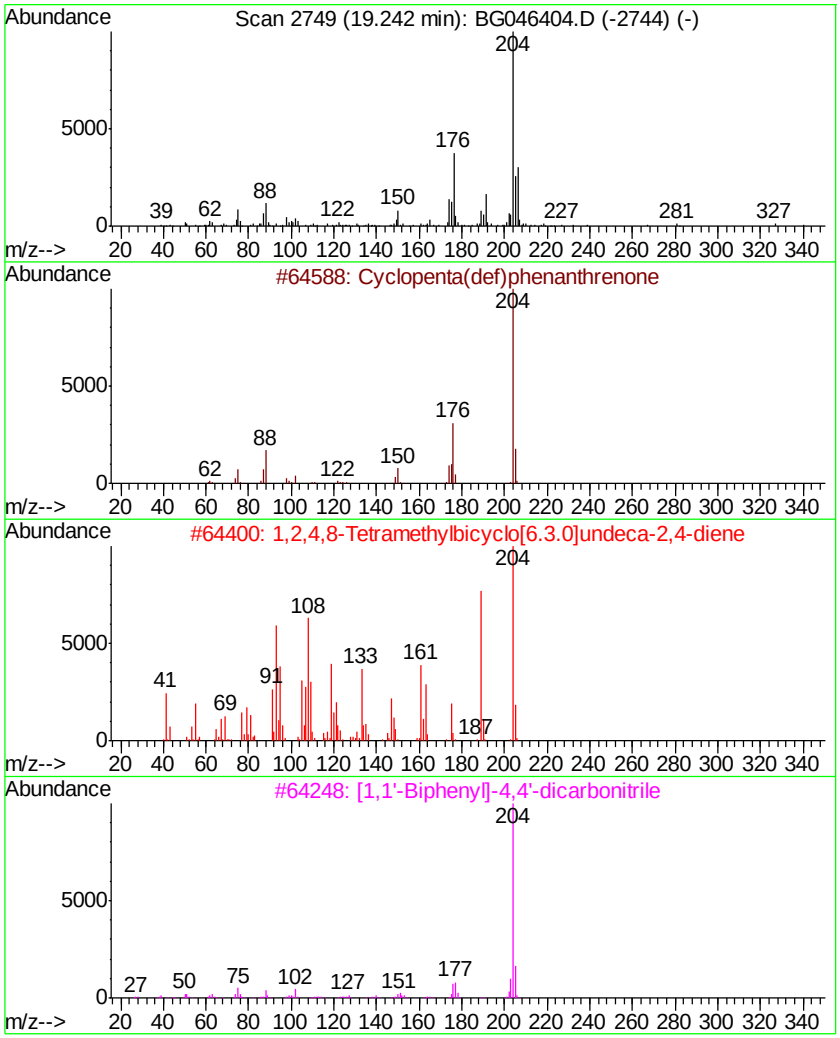
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

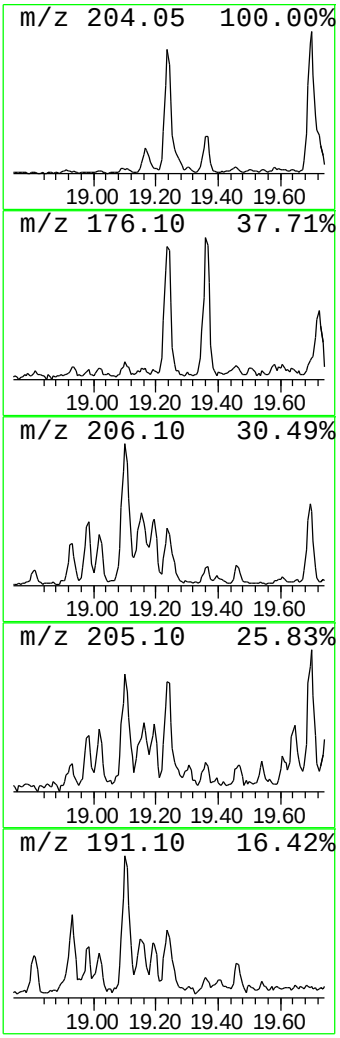
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.25 ng/ul	157464	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

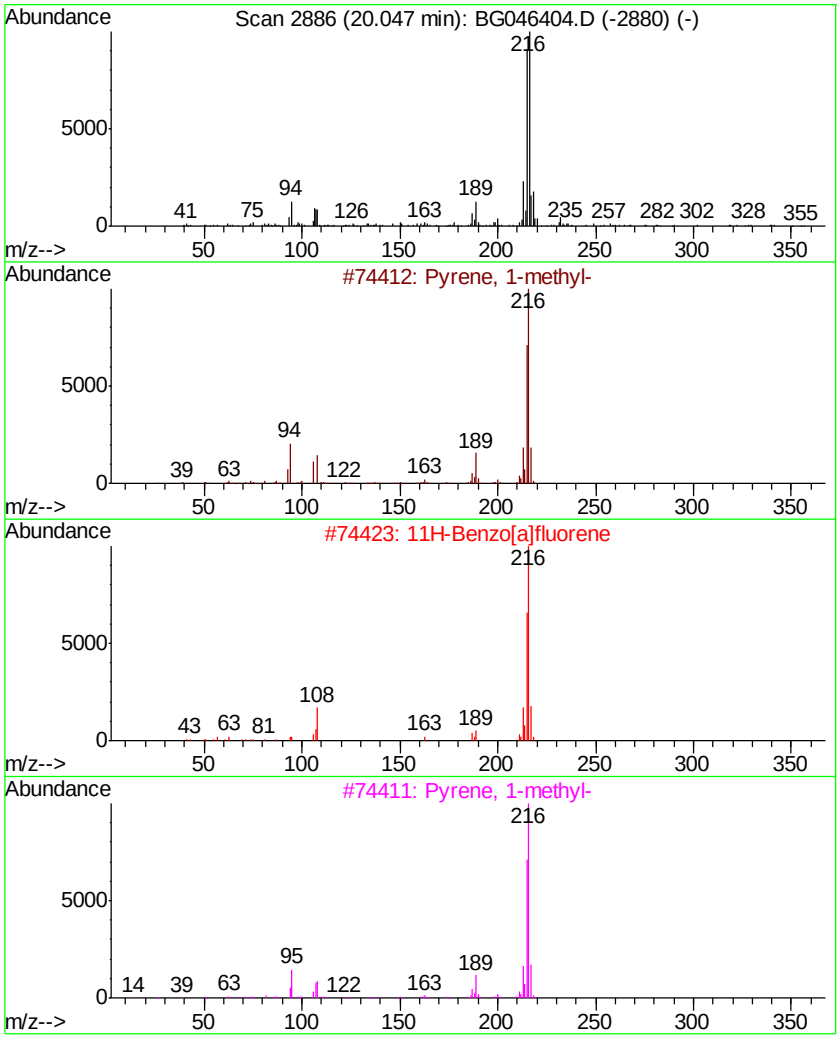
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

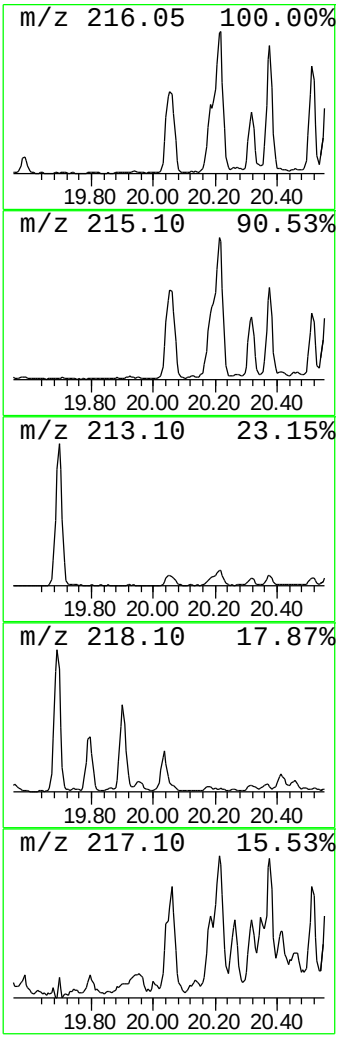
****

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.15 ng/ul	266451	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

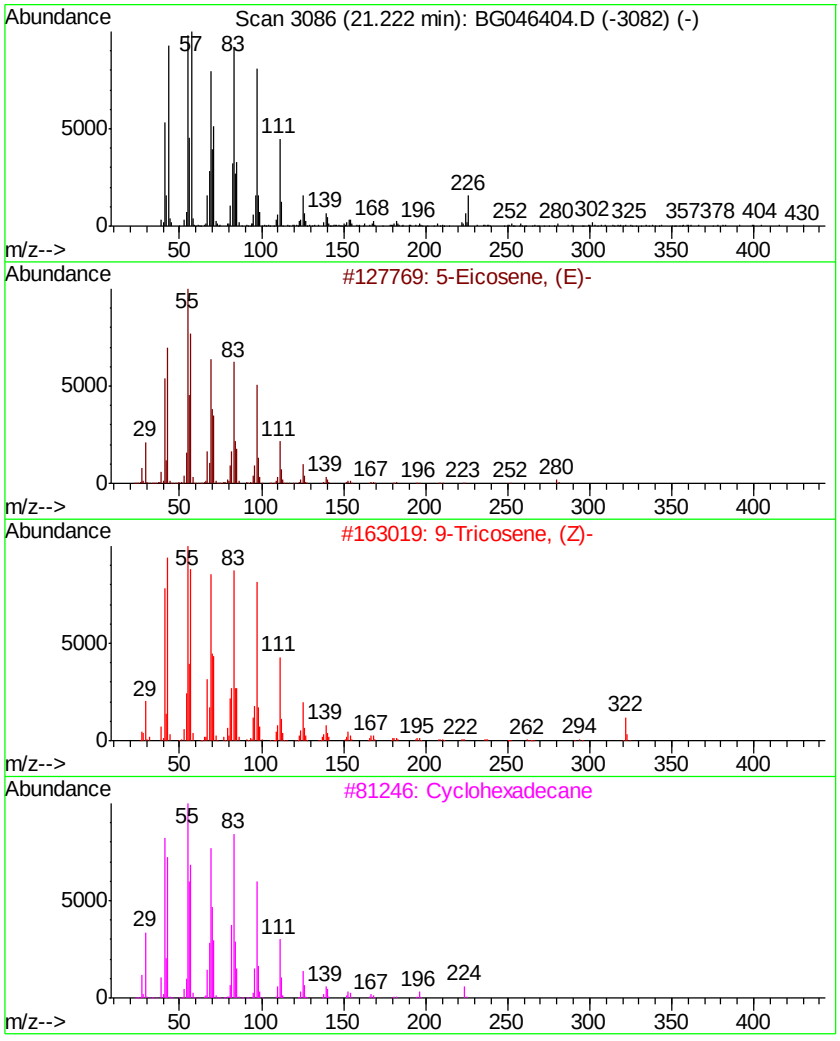
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

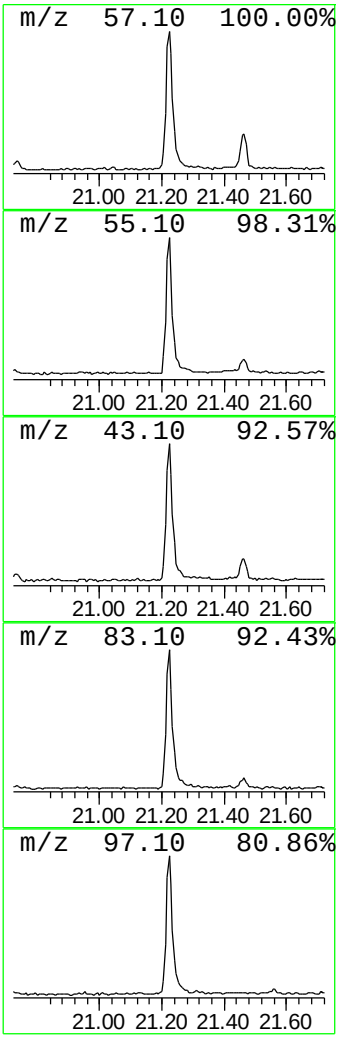
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	6.39 ng/ul	792871	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
3	Cyclohexadecane	224	C16H32	000295-65-8	94
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

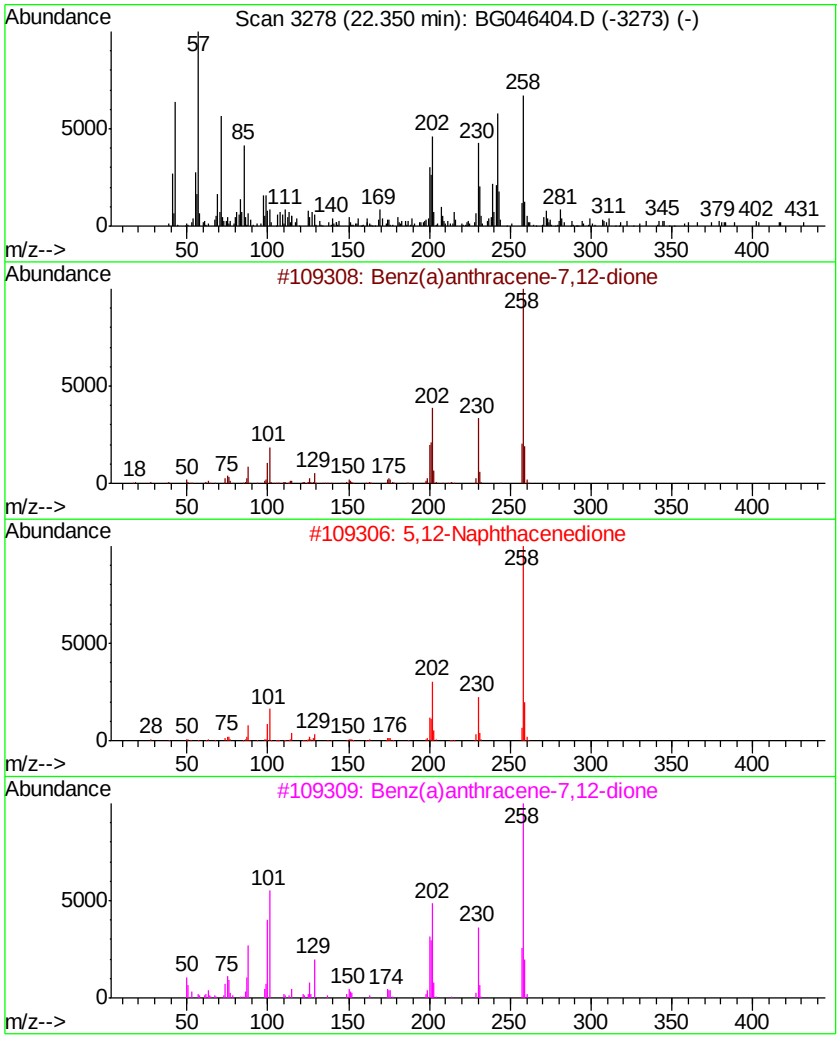
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

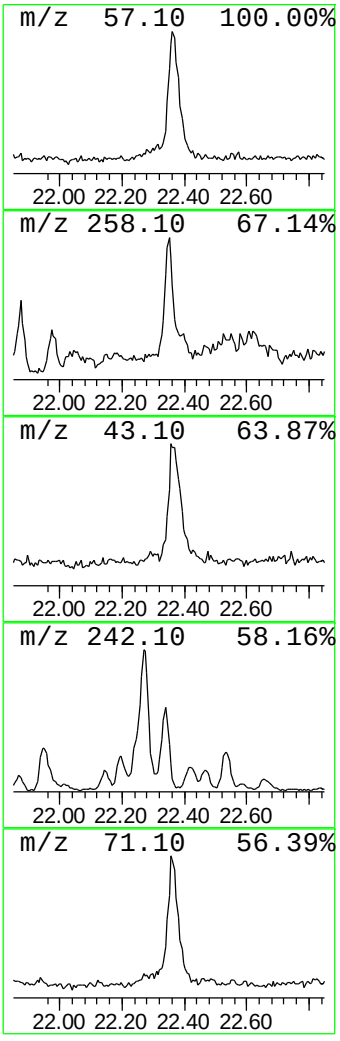
****

Peak Number 20 Benz(a)anthracene-7,12-dione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.35	2.01 ng/ul	249297	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	70
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	38
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	38
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	27
5	Hydroxylamine, N-(4,5-dihydro-5-...	258	C16H22N2O	1000274-03-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

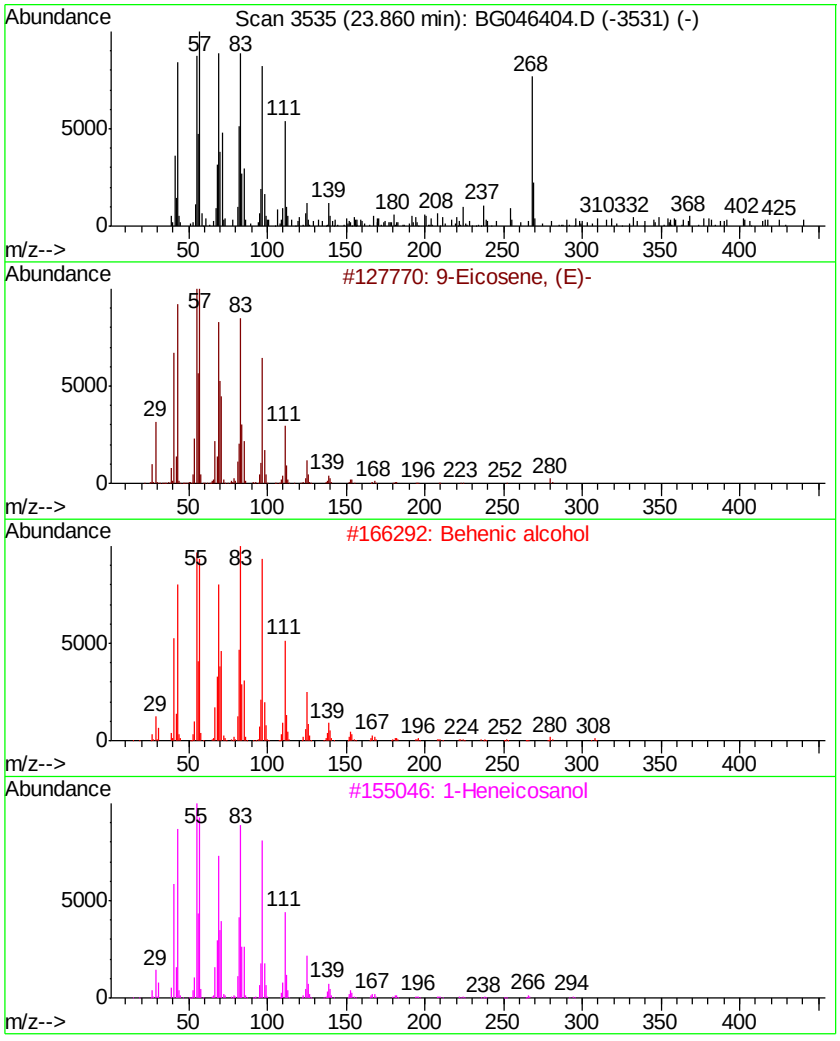
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

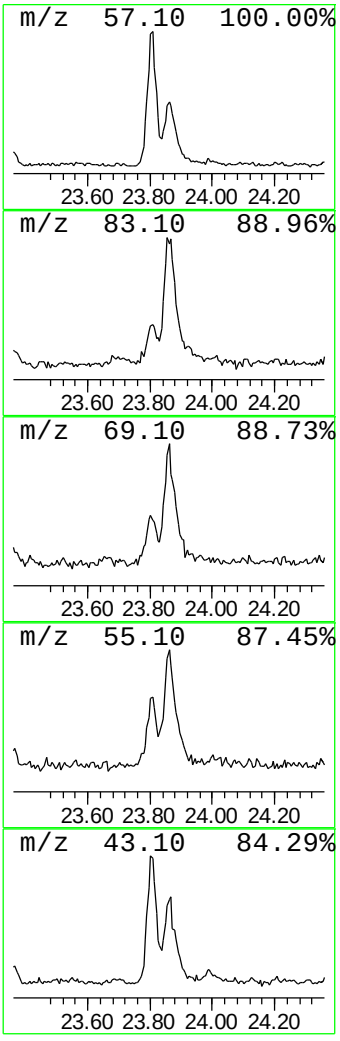
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	2.15 ng/ul	171858	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	87
2	Behenic alcohol	326	C22H46O	000661-19-8	86
3	1-Heneicosanol	312	C21H44O	015594-90-8	86
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	86
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

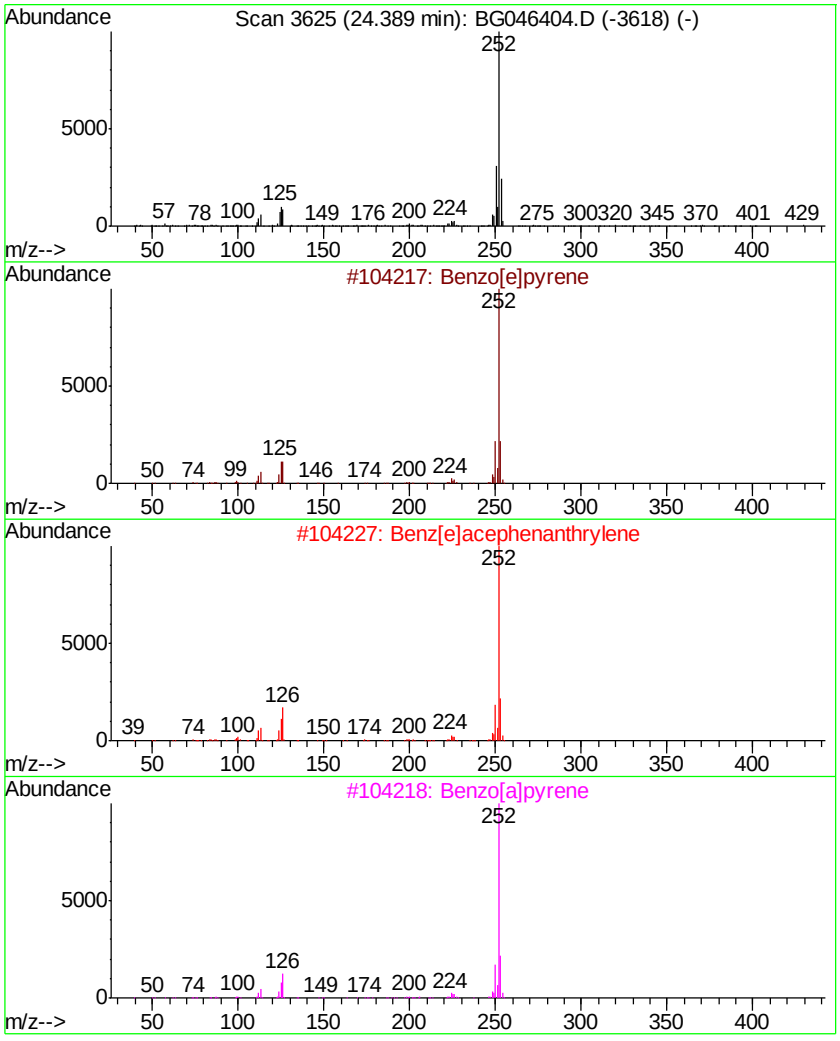
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

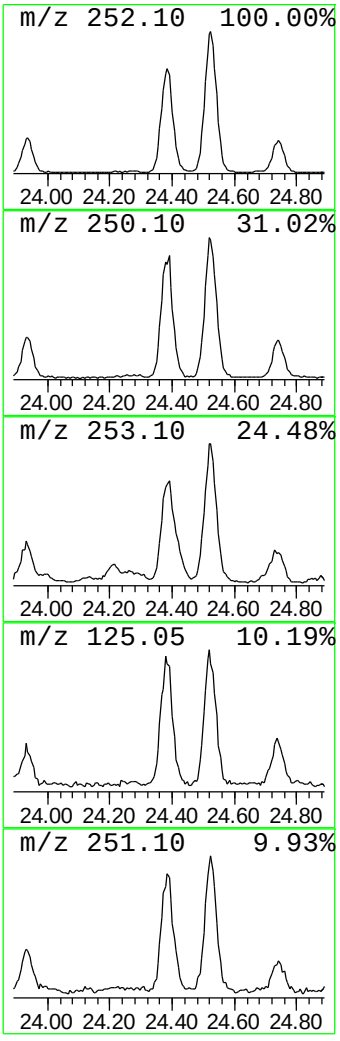
****

Peak Number 22 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	5.43 ng/ul	434204	Perylene-d12	24.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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

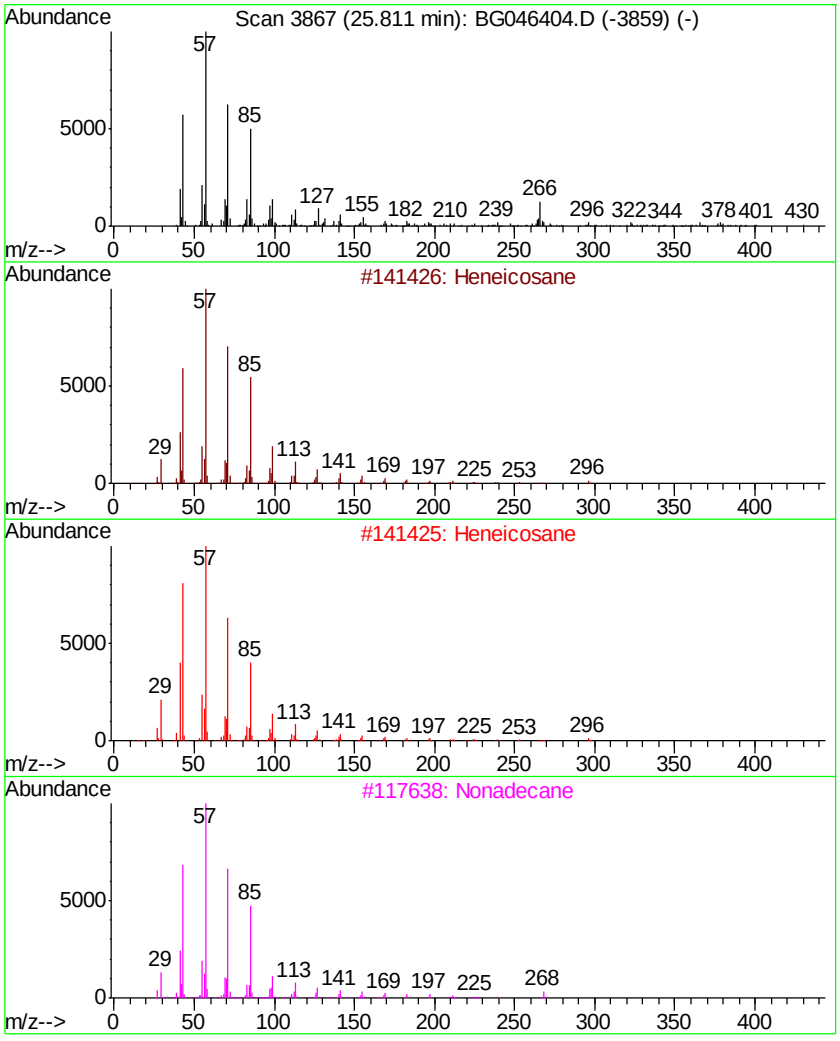
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

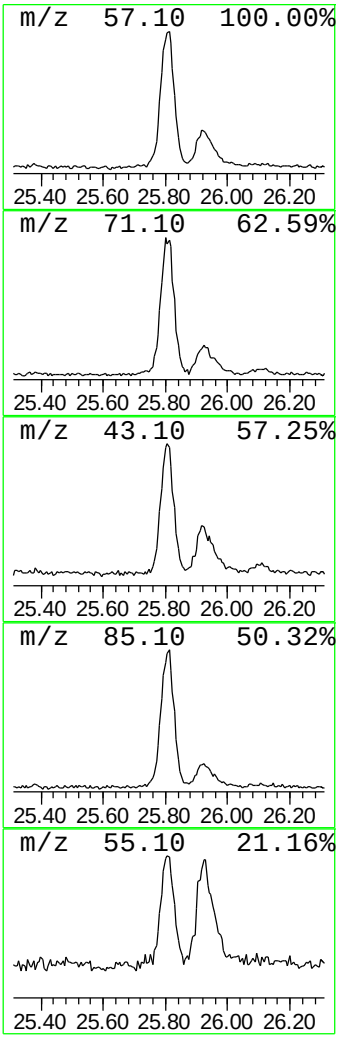
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	4.60 ng/ul	367559	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	95
3	Nonadecane	268	C19H40	000629-92-5	93
4	Heptacosane	380	C27H56	000593-49-7	93
5	Octacosane	394	C28H58	000630-02-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046404.D
Acq On : 21 Aug 2020 8:41
Operator : CG/JU
Sample : L3635-02
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG8

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	103.4	ng/ul	2742350	1	7.94	530557	20.0
4H-Imidazol-4-one...	7.11	17.4	ng/ul	461796	1	7.94	530557	20.0
unknown-01	7.27	13.0	ng/ul	345666	1	7.94	530557	20.0
unknown-02	7.47	17.3	ng/ul	458369	1	7.94	530557	20.0
unknown-03	8.65	20.3	ng/ul	538428	1	7.94	530557	20.0
1H-Imidazole, 4-m...	9.09	16.8	ng/ul	444771	1	7.94	530557	20.0
unknown-04	9.81	9.4	ng/ul	379059	2	10.73	806599	20.0
Pyrido[2,3-d]pyri...	10.86	10.4	ng/ul	420582	2	10.73	806599	20.0
unknown-05	13.97	16.3	ng/ul	951136	3	14.57	1163990	20.0
Phthalic acid, me...	14.02	3.6	ng/ul	207393	3	14.57	1163990	20.0
unknown-06	14.77	6.2	ng/ul	362448	3	14.57	1163990	20.0
unknown-07	15.68	5.3	ng/ul	308301	3	14.57	1163990	20.0
Phenanthrene, 4-m...	18.18	2.1	ng/ul	145442	4	17.31	1397160	20.0
Phenanthrene, 1-m...	18.23	3.2	ng/ul	223452	4	17.31	1397160	20.0
Benzaldehyde, 3,5...	18.38	3.6	ng/ul	255239	4	17.31	1397160	20.0
Phenanthrene, 2,5...	19.10	2.3	ng/ul	160981	4	17.31	1397160	20.0
Cyclopenta(def)ph...	19.24	2.3	ng/ul	157464	4	17.31	1397160	20.0
Pyrene, 1-methyl-	20.05	2.1	ng/ul	266451	5	21.56	2481430	20.0
(DEL) Alkane: Str...	21.22	6.4	ng/ul	792871	5	21.56	2481430	20.0
Benz(a)anthracene...	22.35	2.0	ng/ul	249297	5	21.56	2481430	20.0
(DEL) Alkane: Str...	23.86	2.1	ng/ul	171858	6	24.67	1599350	20.0
Benzo[e]pyrene	24.39	5.4	ng/ul	434204	6	24.67	1599350	20.0
(DEL) Alkane: Str...	25.81	4.6	ng/ul	367559	6	24.67	1599350	20.0