LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.141	4	9	41	rVB	1148945	1971413	68.81%	3.738%
2	7.107	676	684	694	rBV	253110	452561	15.80%	0.858%
3	7.266	705	711	722	rBV	187636	314394	10.97%	0.596%
4	7.477	739	747	754	rBV	251150	444739	15.52%	0.843%
5	7.941	819	826	834	rBV	202396	350776	12.24%	0.665%
6	8.646	938	946	956	rBV2	323409	572179	19.97%	1.085%
7	9.093	1013	1022	1029	rBV	231467	411894	14.38%	0.781%
8	9.816	1136	1145	1154	rBV	198036	355374	12.40%	0.674%
9	10.356	1230	1237	1250	rBV	340079	632811	22.09%	1.200%
10	10.738	1294	1302	1308	rBV	299985	551375	19.24%	1.046%
11	10.867	1316	1324	1340	rBV	207545	429693	15.00%	0.815%
12	12.254	1555	1560	1566	rVV	23010	41314	1.44%	0.078%
13	13.470	1761	1767	1775	rVV	82602	128101	4.47%	0.243%
14	13.887	1832	1838	1843	rVB2	20538	32723	1.14%	0.062%
15	13.969	1843	1852	1857	rBV	673432	1018996	35.56%	1.932%
16	14.016	1857	1860	1866	rVB	269847	361594	12.62%	0.686%
17	14.257	1894	1901	1915	rVB	817861	1330339	46.43%	2.523%
18	14.569	1944	1954	1960	rBV2	566523	885669	30.91%	1.680%
19	14.628	1960	1964	1972	rVV	39571	67482	2.36%	0.128%
20	14.763	1979	1987	1999	rVV	250717	466820	16.29%	0.885%
21	14.968	2016	2022	2029	rVV	41979	79547	2.78%	0.151%
22	15.556	2115	2122	2128	rBV	1093500	1682438	58.72%	3.190%
23	15.615	2128	2132	2136	rVB2	45037	64922	2.27%	0.123%
24	15.673	2136	2142	2151	rBV	335320	534067	18.64%	1.013%
25	15.908	2178	2182	2192	rVB2	28587	52108	1.82%	0.099%
26	16.055	2202	2207	2215	rVB2	28843	58337	2.04%	0.111%
27	16.284	2240	2246	2254	rBV8	21257	46415	1.62%	0.088%
28	16.848	2332	2342	2345	rBV3	25355	51403	1.79%	0.097%
29	16.960	2356	2361	2370	rVB	81031	133497	4.66%	0.253%
30	17.048	2370	2376	2377	rBV3	23791	40714	1.42%	0.077%
31	17.130	2385	2390	2397	rVB	46022	81621	2.85%	0.155%
32	17.219	2397	2405	2409	rBV7	17534	32859	1.15%	0.062%
33	17.307	2412	2420	2424	rVV	780507	1209024	42.20%	2.293%
34	17.348	2424	2427	2432	rVV	836512	1266122	44.19%	2.401%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.407	2432	2437	2449	rVV	1272937	1990754	69.48%	3.775%
36	17.501	2449	2453	2459	rVB4	29656	49412	1.72%	0.094%
37	17.624	2470	2474	2479	rVB3	25265	33975	1.19%	0.064%
38	17.706	2479	2488	2492	rBV2	65069	135376	4.72%	0.257%
39	17.824	2504	2508	2513	rVV2	33697	53655	1.87%	0.102%
40	17.888	2515	2519	2524	rVB3	38886	47792	1.67%	0.091%
41	18.106	2551	2556	2559	rBV2	24411	31991	1.12%	0.061%
42	18.188	2565	2570	2571	rVV	164661	228028	7.96%	0.432%
43	18.212	2571	2574	2583	rVV2	316004	762334	26.61%	1.446%
44	18.311	2587	2591	2596	rVV2	51167	87802	3.06%	0.167%
45	18.376	2596	2602	2606	rVV2	195991	384370	13.42%	0.729%
46	18.417	2606	2609	2615	rVB	125428	168171	5.87%	0.319%
47	18.682	2649	2654	2657	rVV	138615	197463	6.89%	0.374%
48	18.717	2657	2660	2667	rVB	189285	257253	8.98%	0.488%
49	18.928	2692	2696	2700	rVV2	56084	82115	2.87%	0.156%
50	18.981	2701	2705	2708	rVV	53844	72783	2.54%	0.138%
51	19.016	2708	2711	2715	rVB2	44239	59319	2.07%	0.112%
52	19.099	2720	2725	2729	rVV	158286	244044	8.52%	0.463%
53	19.152	2729	2734	2738	rVV4	55757	137889	4.81%	0.261%
54	19.193	2739	2741	2744	rVV	48429	54532	1.90%	0.103%
55	19.234	2744	2748	2757	rVB	144181	241993	8.45%	0.459%
56	19.357	2764	2769	2776	rVB	1598944	2317135	80.87%	4.394%
57	19.422	2776	2780	2783	rBV	40562	57999	2.02%	0.110%
58	19.457	2783	2786	2788	rVV2	41760	50267	1.75%	0.095%
59	19.510	2792	2795	2798	rVB2	62395	75192	2.62%	0.143%
60	19.551	2798	2802	2806	rBV2	63149	98700	3.44%	0.187%
61	19.604	2808	2811	2814	rVB	30037	35207	1.23%	0.067%
62	19.692	2820	2826	2829	rBV2	1791683	2865208	100.00%	5.433%
63	19.722	2829	2831	2839	rVV	1602334	1971465	68.81%	3.739%
64	19.792	2839	2843	2849	rVB2	81389	143488	5.01%	0.272%
65	19.898	2857	2861	2863	rBV	79560	107377	3.75%	0.204%
66	19.957	2868	2871	2877	rVB2	85980	127416	4.45%	0.242%
67	20.051	2880	2887	2892	rBV3	145780	373235	13.03%	0.708%
68	20.186	2904	2910	2911	rBV4	102716	172061	6.01%	0.326%
69	20.209	2911	2914	2918	rVV	215163	294023	10.26%	0.558%
70	20.244	2918	2920	2925	rVB3	41568	48939	1.71%	0.093%
71	20.315	2928	2932	2935	rBV	78784	116411	4.06%	0.221%

LSC Area Percent Report

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Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	20.368	2936	2941	2946	rVV2	202537	350999	12.25%	0.666%
73	20.409	2946	2948	2952	rVB3	36425	37589	1.31%	0.071%
74	20.509	2961	2965	2969	rBV	125736	175023	6.11%	0.332%
75	20.556	2969	2973	2978	rVV3	120579	170061	5.94%	0.322%
76	20.961	3038	3042	3048	rVB	213728	336200	11.73%	0.638%
77	21.143	3066	3073	3077	rBV2	139550	343438	11.99%	0.651%
78	21.185	3077	3080	3083	rVV	168851	252985	8.83%	0.480%
79	21.226	3083	3087	3094	rVV3	694571	1223713	42.71%	2.321%
80	21.290	3094	3098	3107	rVB	201502	369675	12.90%	0.701%
81	21.549	3135	3142	3147	rBV3	1124345	2675728	93.39%	5.074%
82	21.602	3147	3151	3163	rVB	794347	1310300	45.73%	2.485%
83	21.766	3173	3179	3182	rBV2	156129	315431	11.01%	0.598%
84	21.948	3206	3210	3214	rBV3	77727	149758	5.23%	0.284%
85	22.366	3272	3281	3287	rBV6	216715	620879	21.67%	1.177%
86	23.029	3390	3394	3399	rVB	107449	164479	5.74%	0.312%
87	23.358	3445	3450	3460	rVB	346356	712997	24.88%	1.352%
88	23.682	3497	3505	3512	rBV2	572325	1825917	63.73%	3.463%
89	23.805	3521	3526	3530	rBV	426587	784658	27.39%	1.488%
90	23.858	3530	3535	3543	rVB	548927	1107924	38.67%	2.101%
91	24.375	3616	3623	3628	rBV2	306718	776238	27.09%	1.472%
92	24.451	3629	3636	3642	rVV	849576	2209070	77.10%	4.189%
93	24.516	3642	3647	3661	rVB	490867	1232705	43.02%	2.338%
94	24.663	3664	3672	3678	rVV2	482706	1285590	44.87%	2.438%
95	24.722	3679	3682	3691	rVB3	208333	417514	14.57%	0.792%
96	25.215	3761	3766	3774	rVB4	128405	306148	10.69%	0.581%
97	25.809	3859	3867	3876	rVV2	324667	905664	31.61%	1.717%
98	25.914	3878	3885	3908	rVB5	227036	890389	31.08%	1.688%
99	27.853	4210	4215	4228	rVB3	145246	504343	17.60%	0.956%
100	28.165	4259	4268	4286	rVB3	215512	949284	33.13%	1.800%

Sum of corrected areas: 52733194

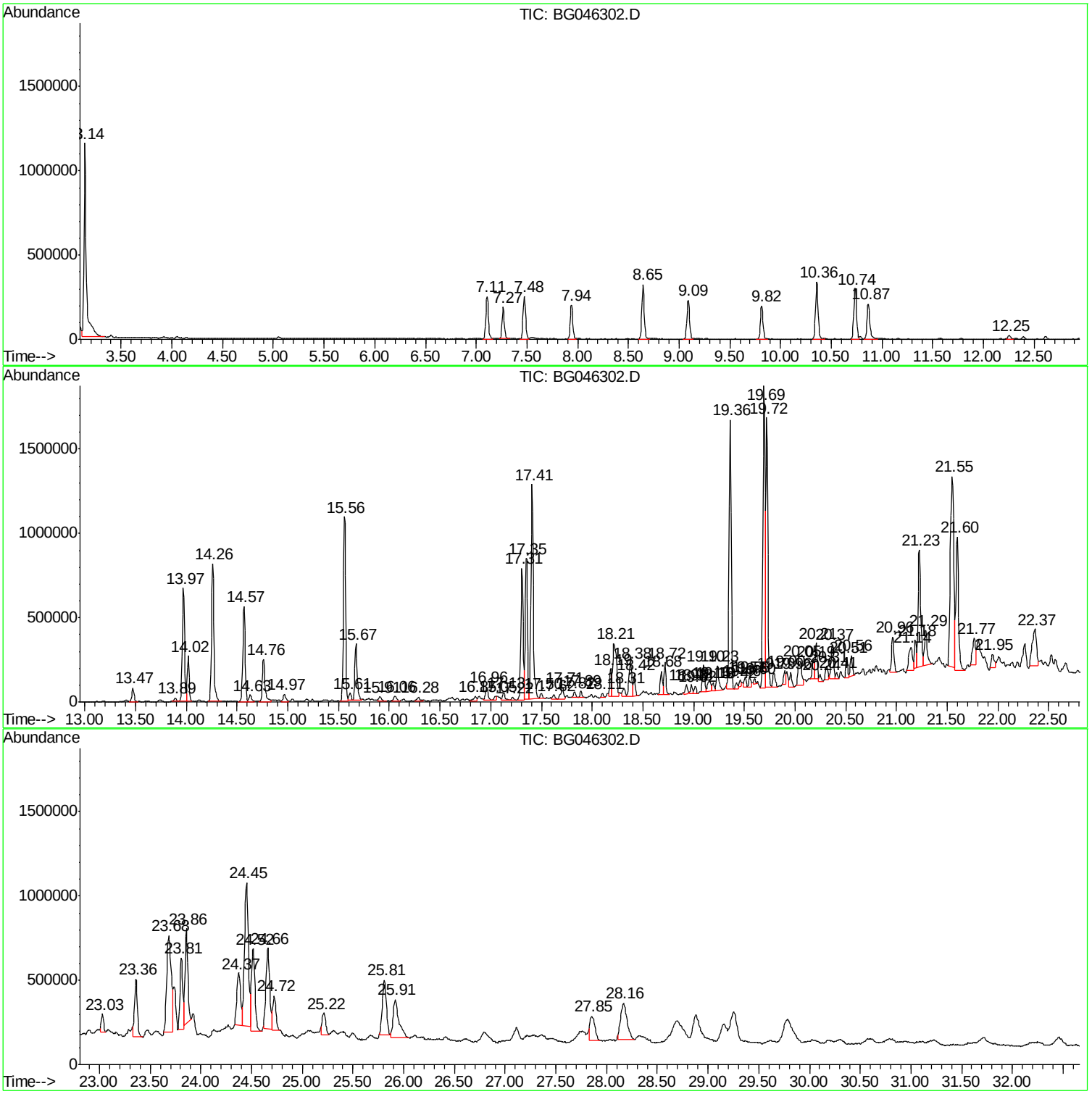
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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 : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

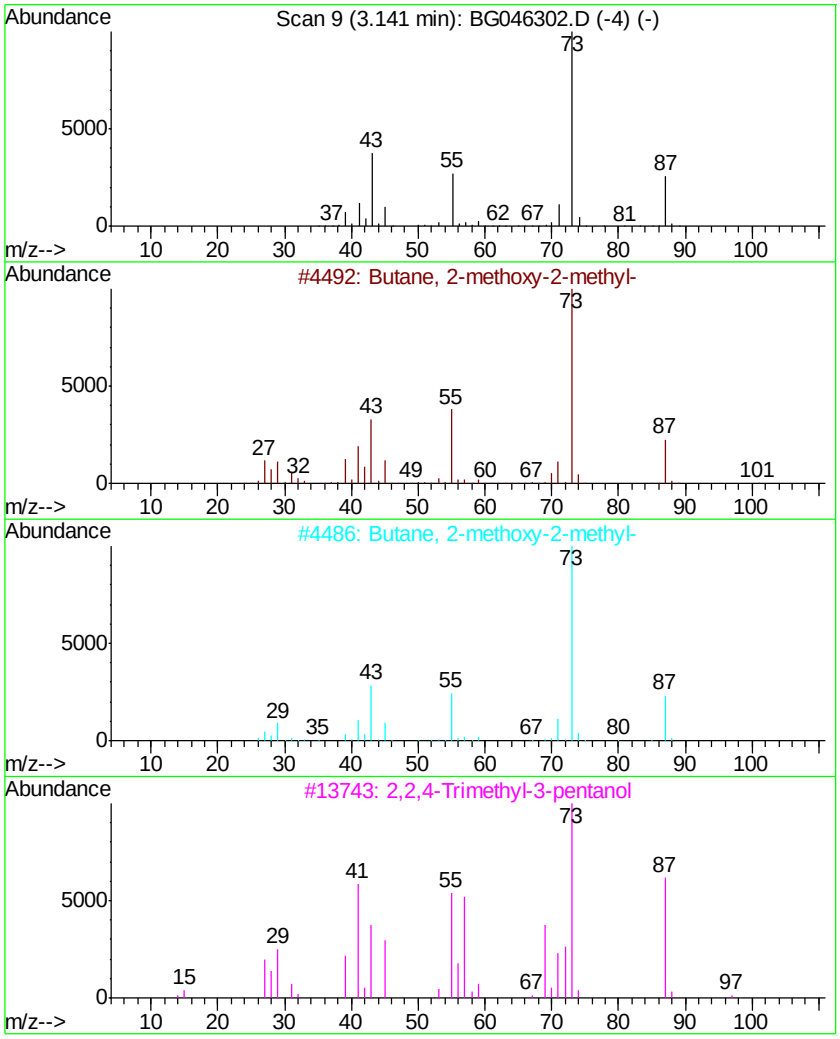
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

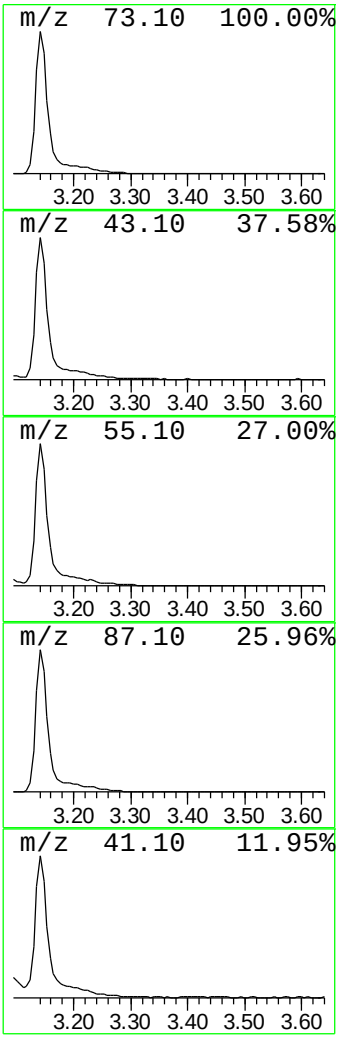
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	112.40 ng/ul	1971410	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 : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

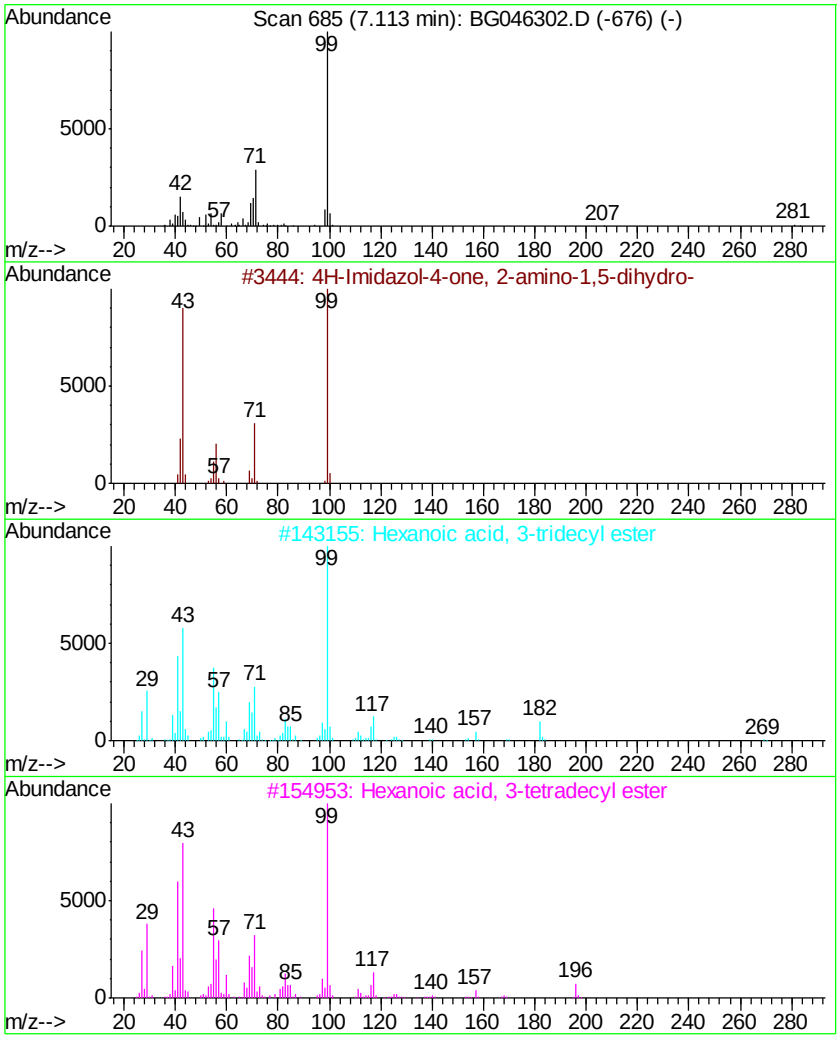
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

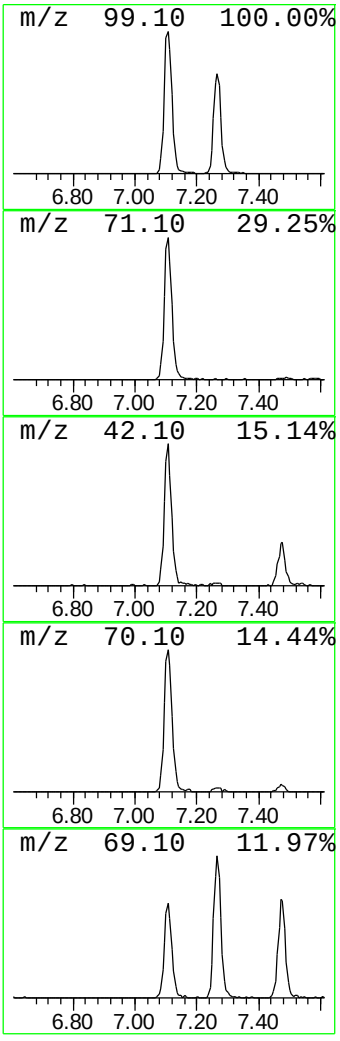
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	25.80 ng/ul	452561	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	64
2	Hexanoic acid, 3-tridecyl ester	298	C19H38O2	1000279-29-2	56
3	Hexanoic acid, 3-tetradecyl ester	312	C20H40O2	1000279-29-7	56
4	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56
5	Hexanoic acid, 5-tridecyl ester	298	C19H38O2	1000279-29-4	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

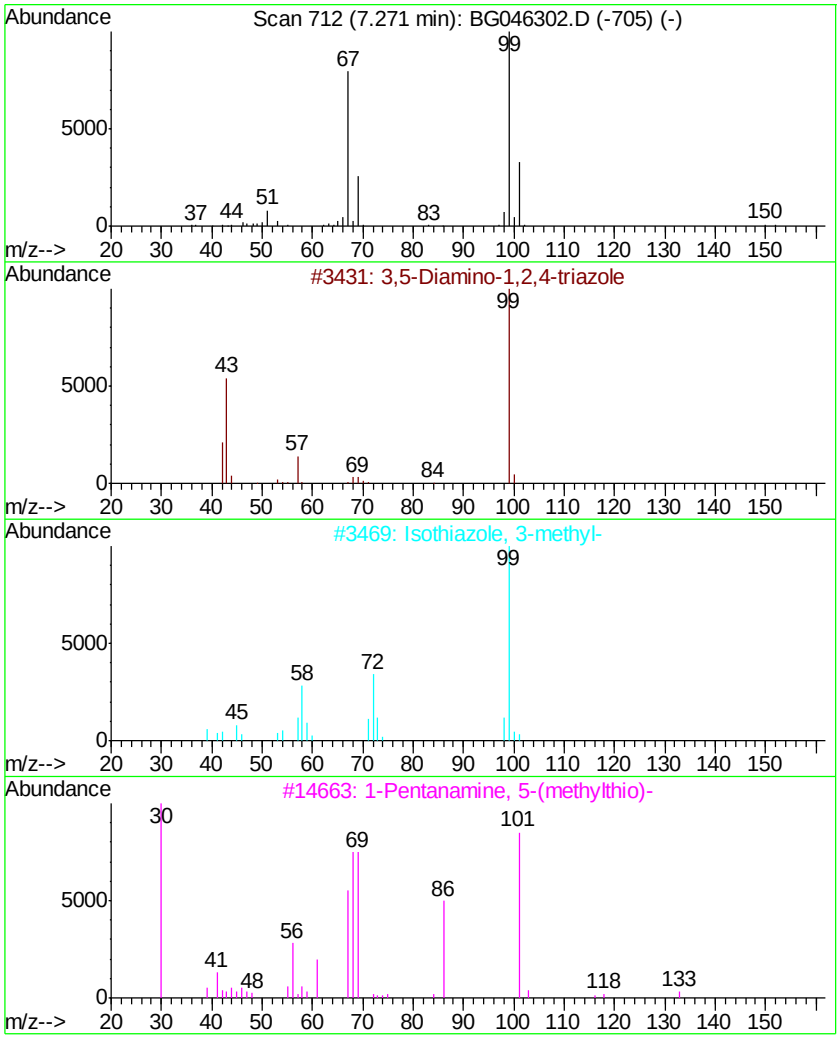
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

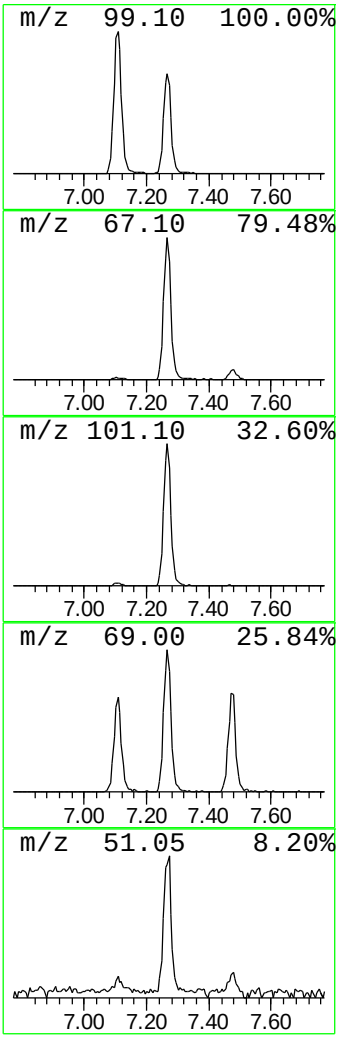
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	17.93 ng/ul	314394	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	Butanoic acid, 3,4-dichloro-, me...	170	C5H8Cl2O2	000819-93-2	9
5	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

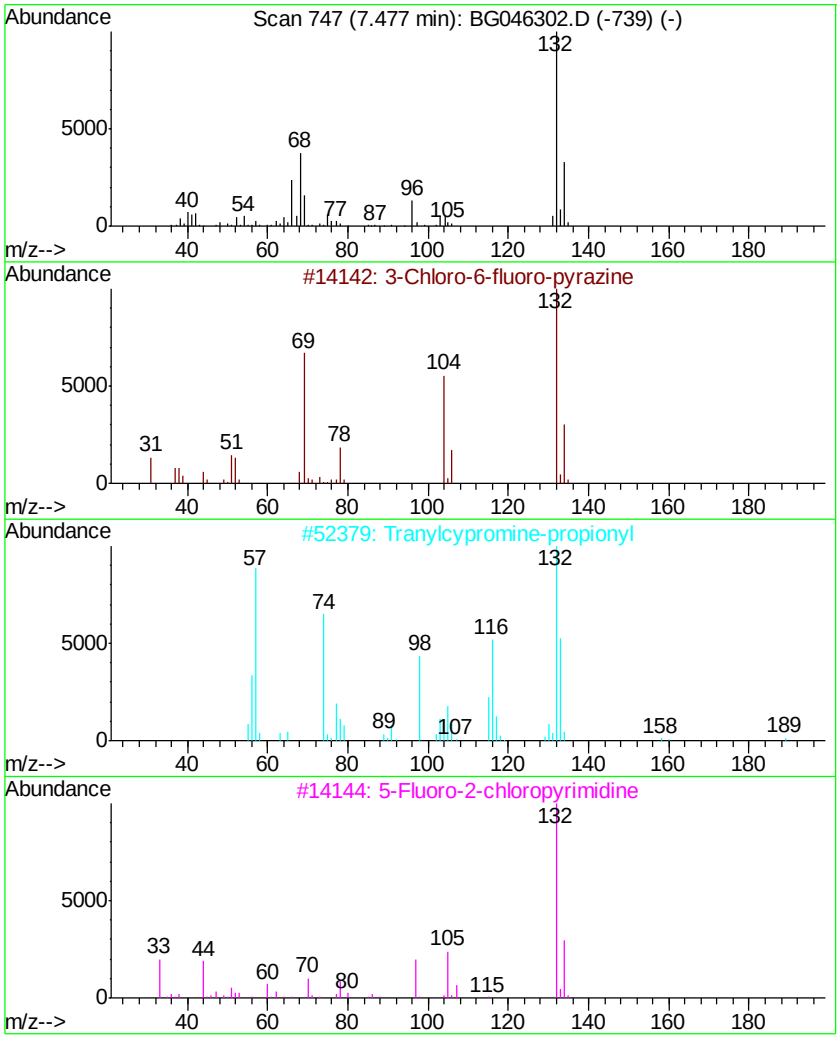
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

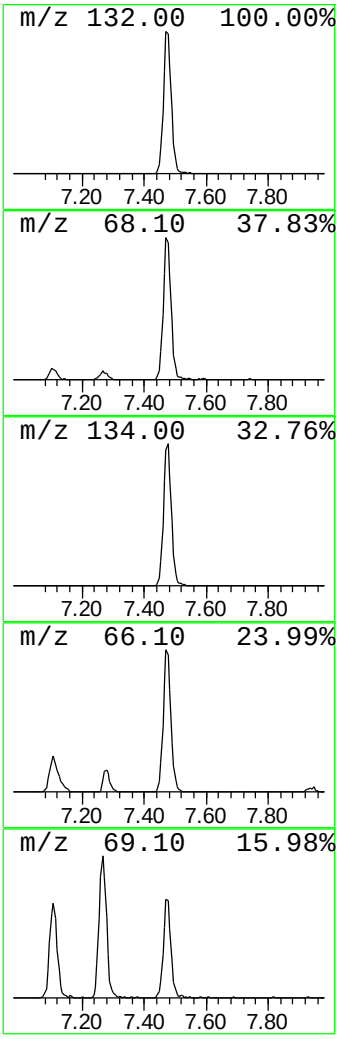
****

Peak Number 4 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	25.36 ng/ul	444739	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





Library Search Compound Report

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Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

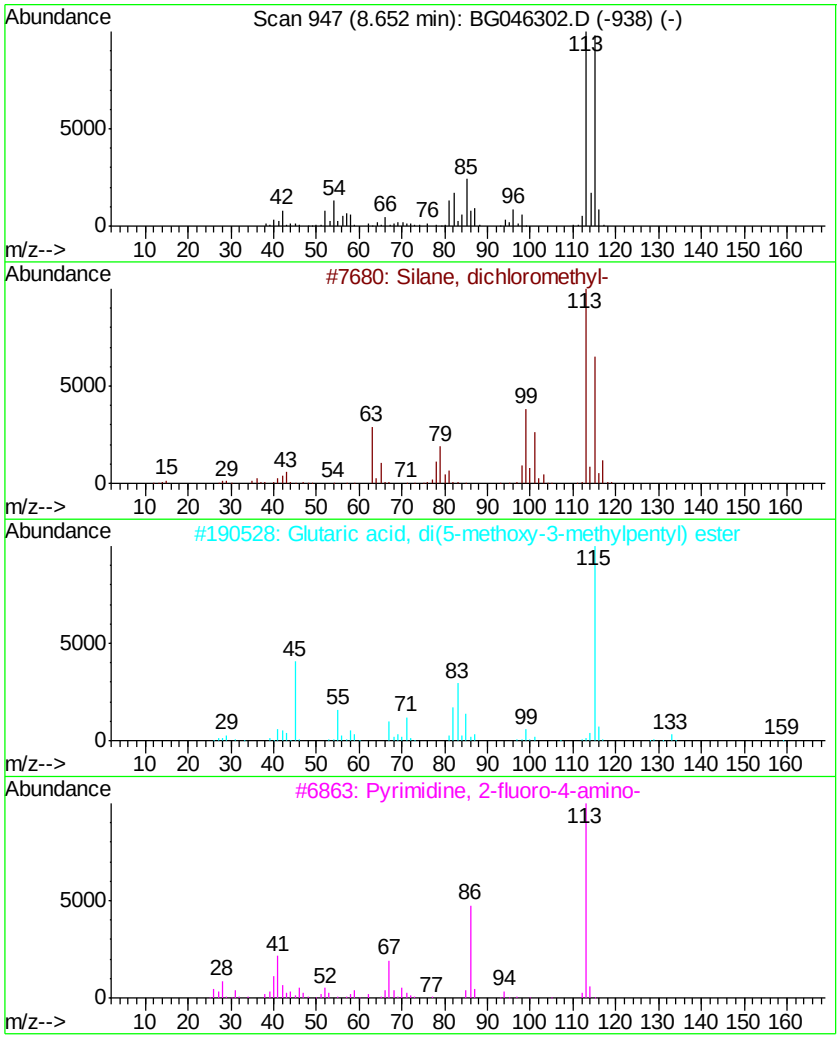
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

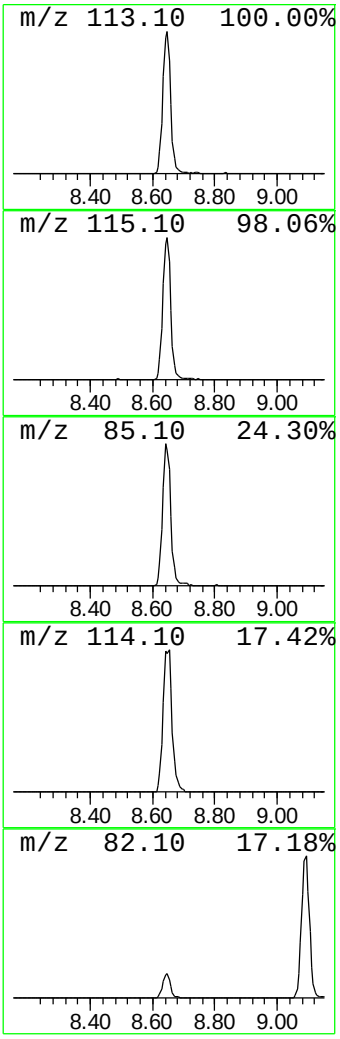
****

Peak Number 5 Silane, dichloromethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	32.62 ng/ul	572179	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	64
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	Pyrimidine, 2-fluoro-4-amino-	113	C4H4FN3	096548-91-3	35
4	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
5	2,2-Dimethylcyclopropanecarboxamide	113	C6H11NO	075885-58-4	27





Library Search Compound Report

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Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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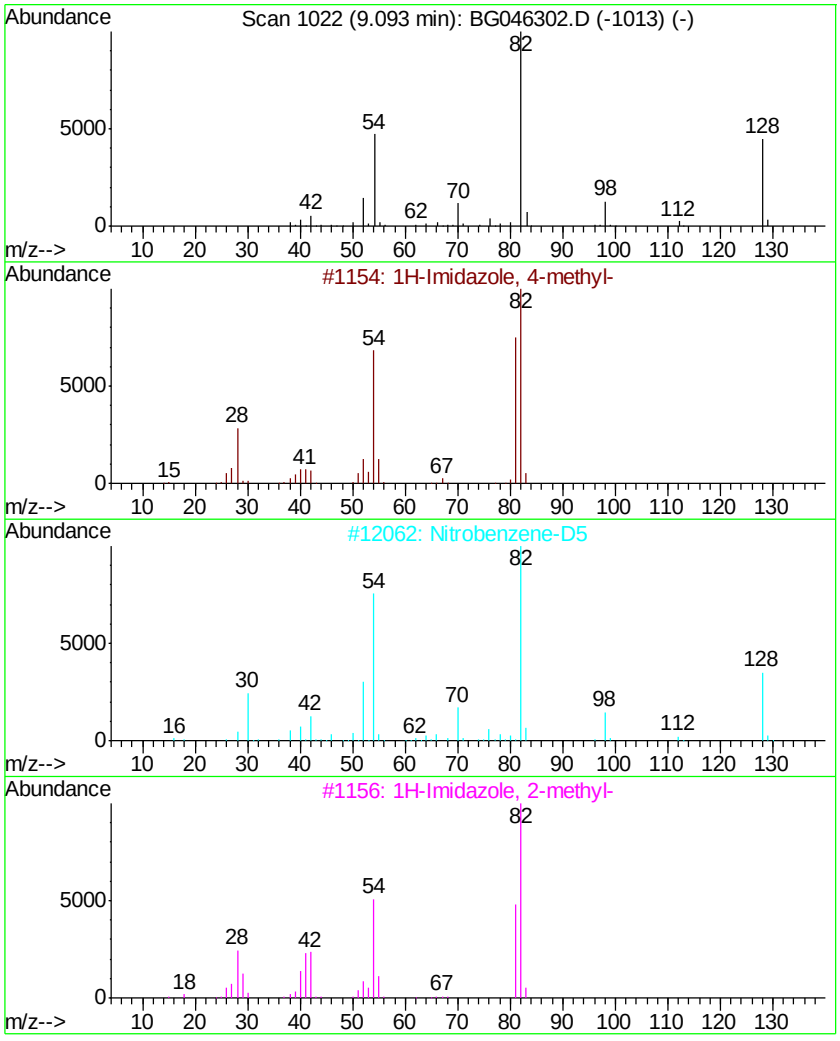
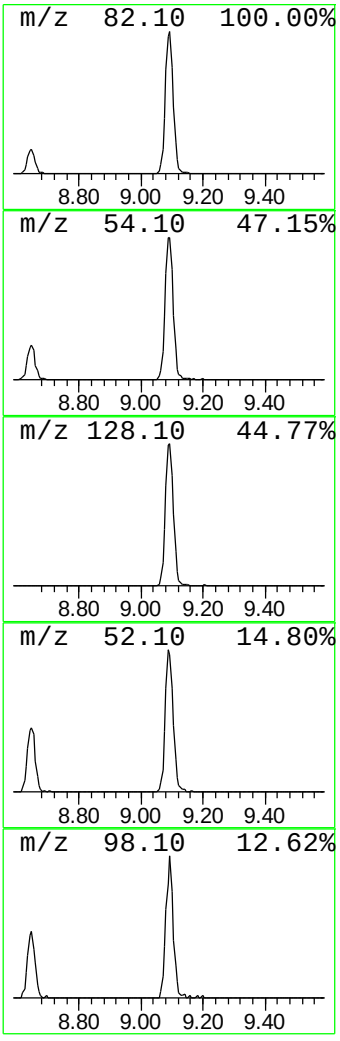
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	23.48 ng/ul	411894	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	43
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	40
4	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	39
5	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38





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Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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Quant Title : SVOA CALIBRATION

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

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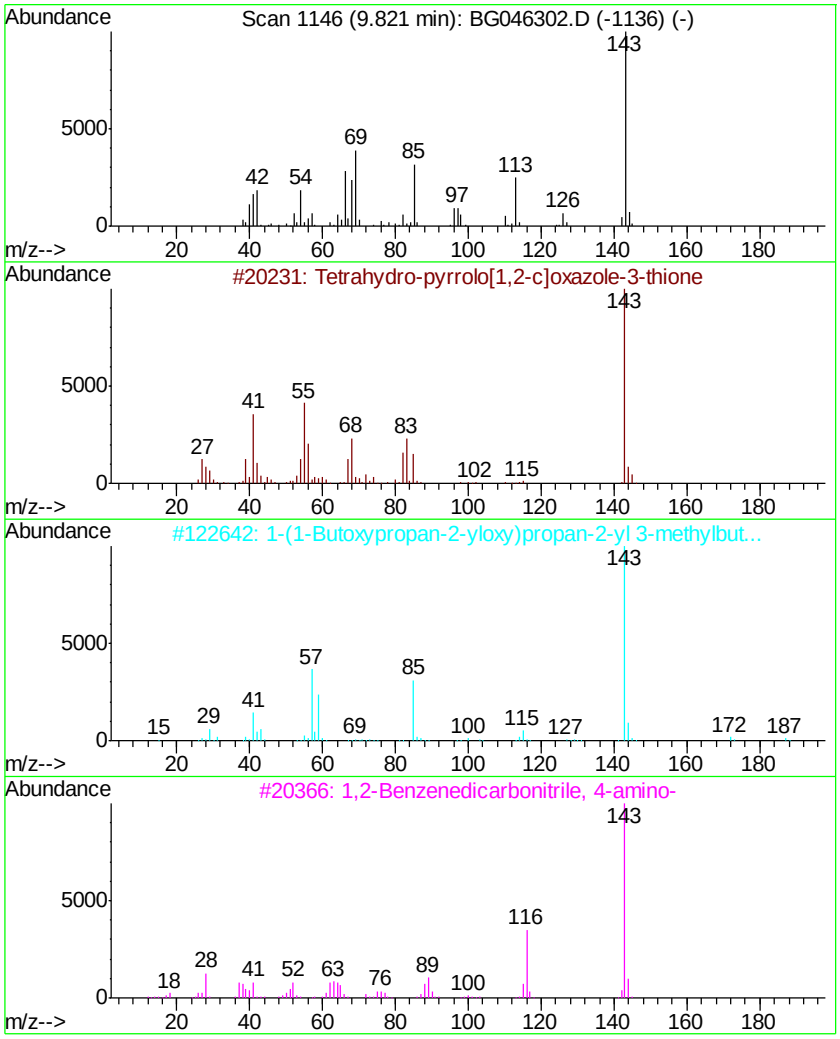
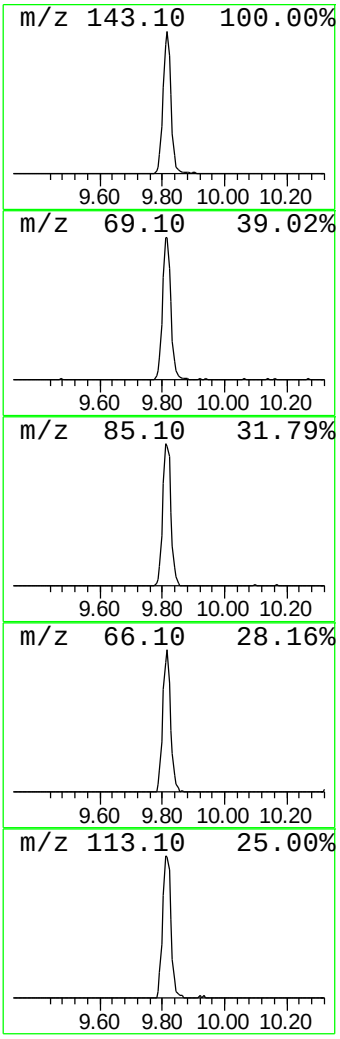
Peak Number 7 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	12.89 ng/ul	355374	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	16
3	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
4	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
5	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	12





Library Search Compound Report

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Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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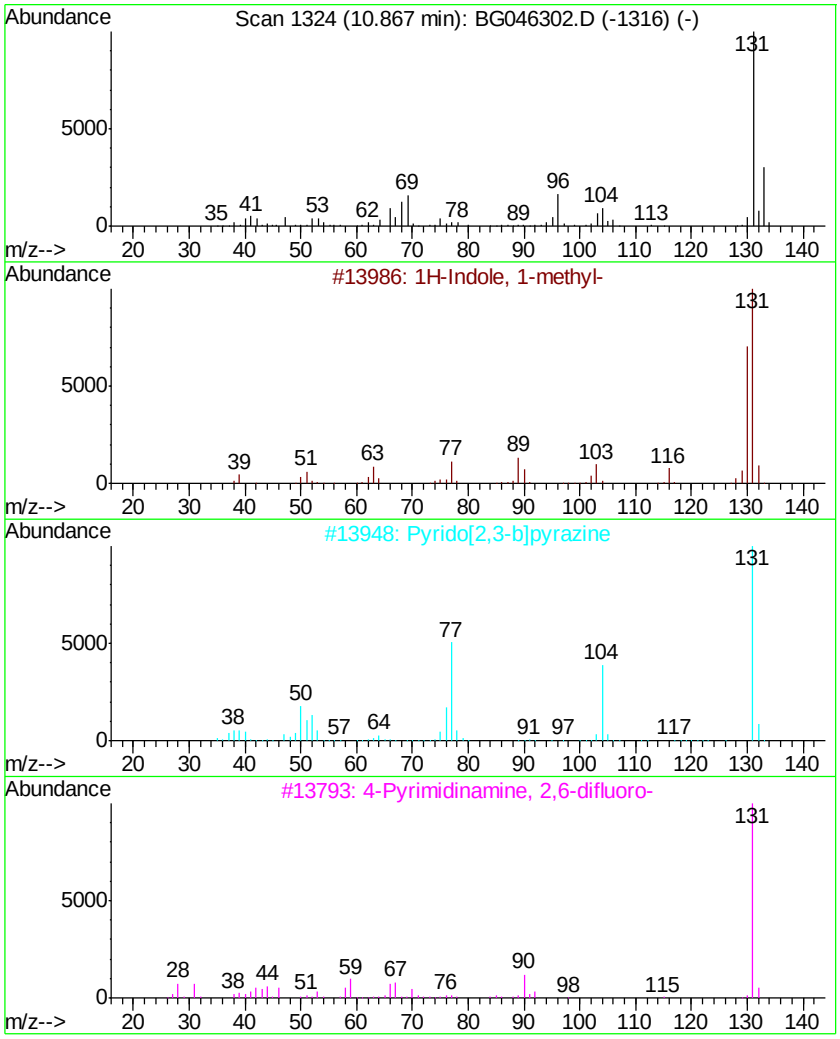
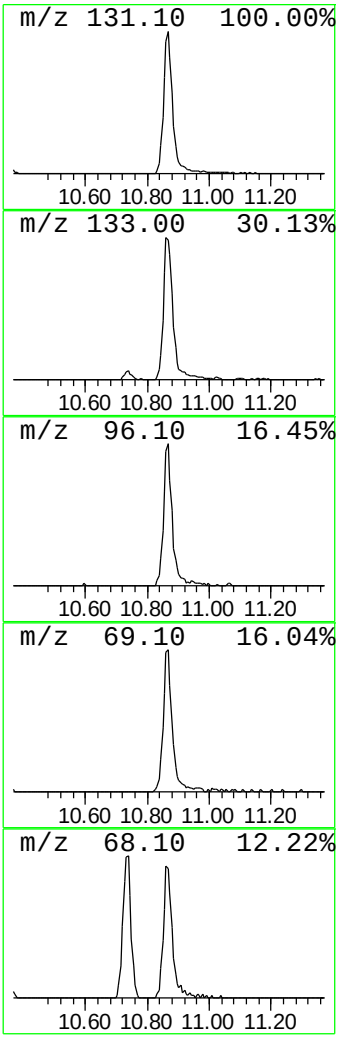
Peak Number 8 unknown-04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	15.59 ng/ul	429693	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
2	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
3	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
4	4-Pentenoic acid, 2,2-diethyl-3-...	274	C17H22O3	337503-48-7	9
5	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	9





Library Search Compound Report

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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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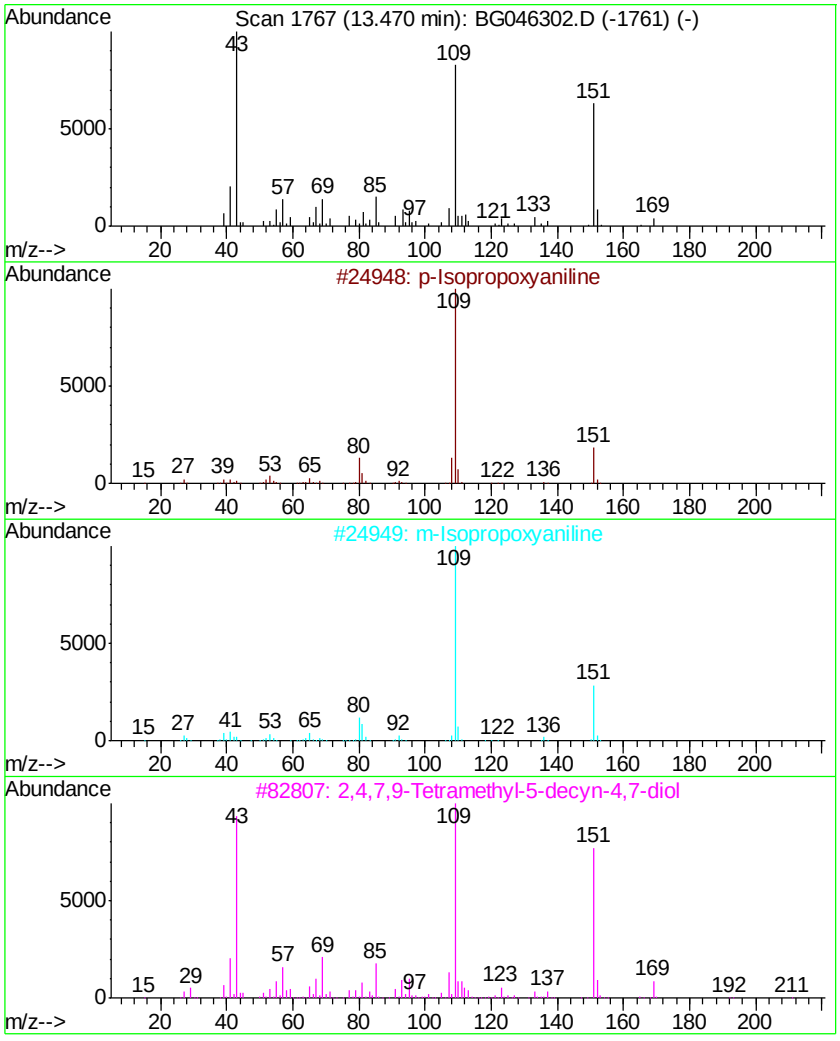
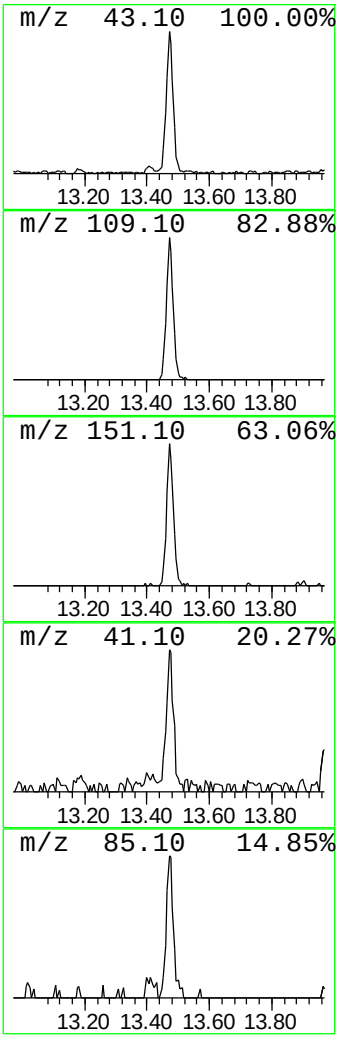
Peak Number 9 p-Isopropoxyaniline Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.89 ng/ul	128101	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	53
2	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	53
3	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	47
4	N-Cyclopropyl-p-fluorobenzylamine	165	C10H12FN	1000250-88-9	43
5	Metacetamol	151	C8H9NO2	000621-42-1	42





Library Search Compound Report

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Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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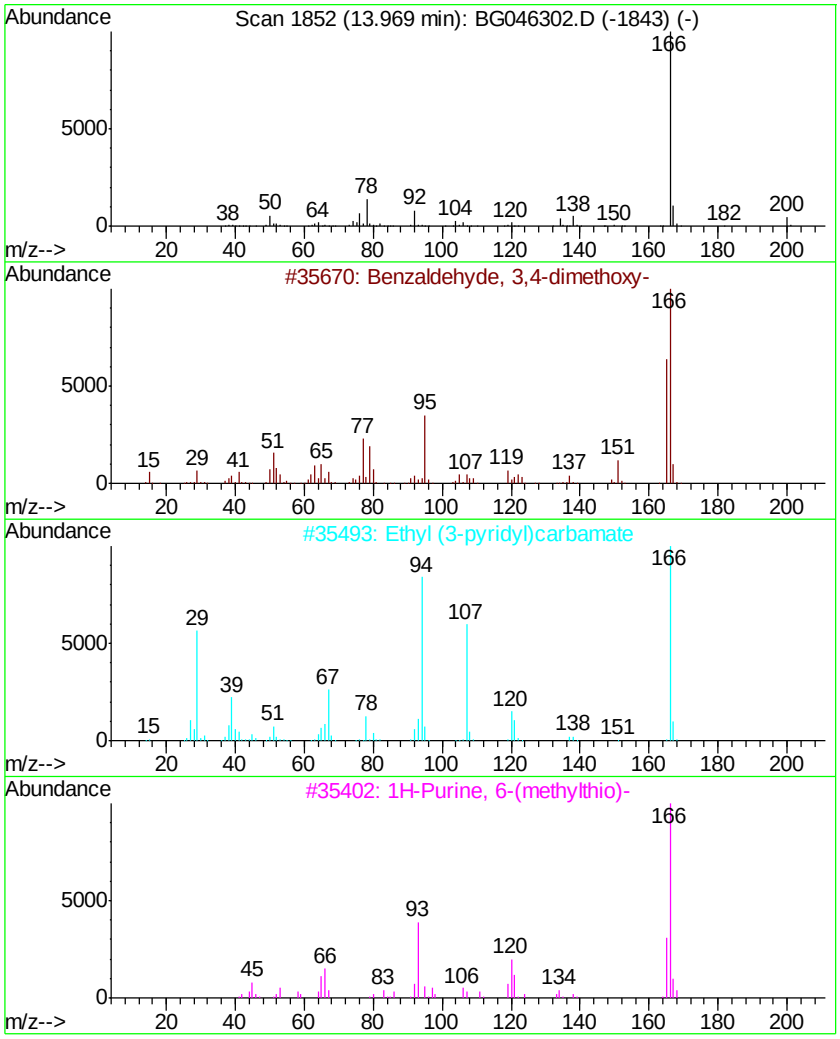
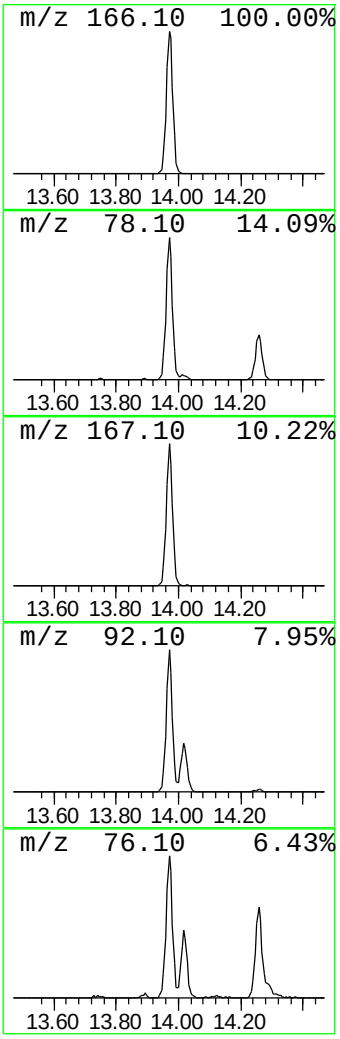
Peak Number 10 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	23.01 ng/ul	1019000	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





Library Search Compound Report

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Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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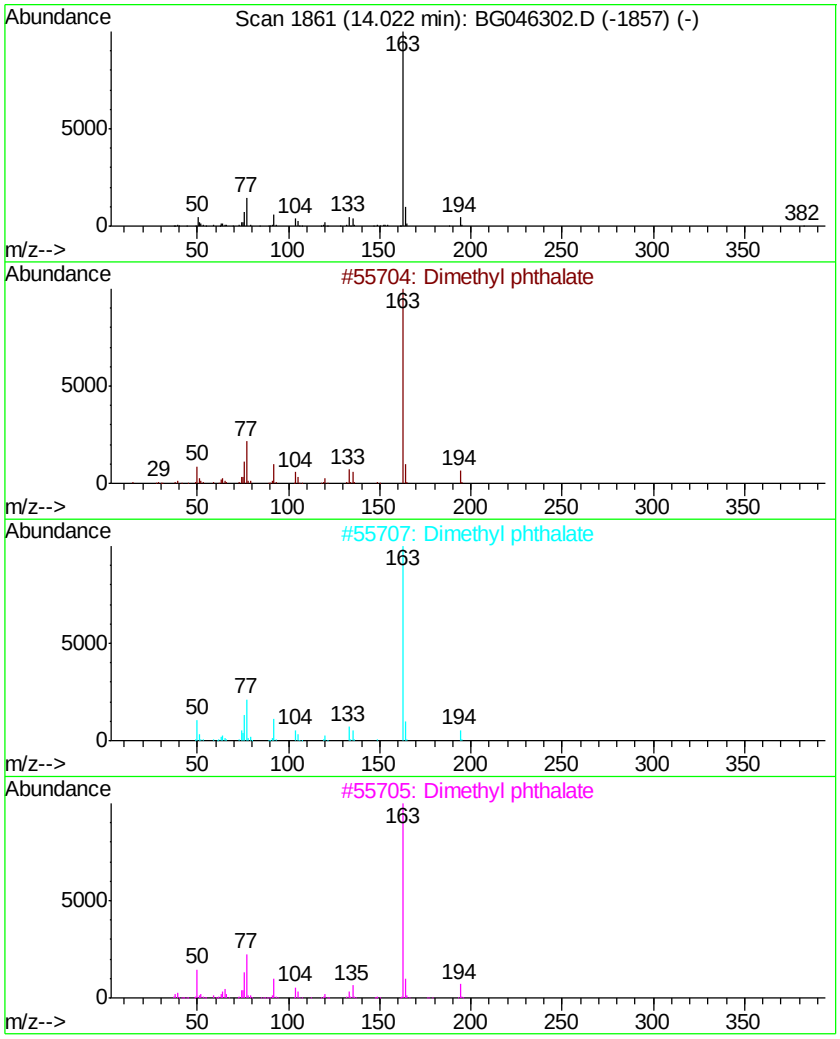
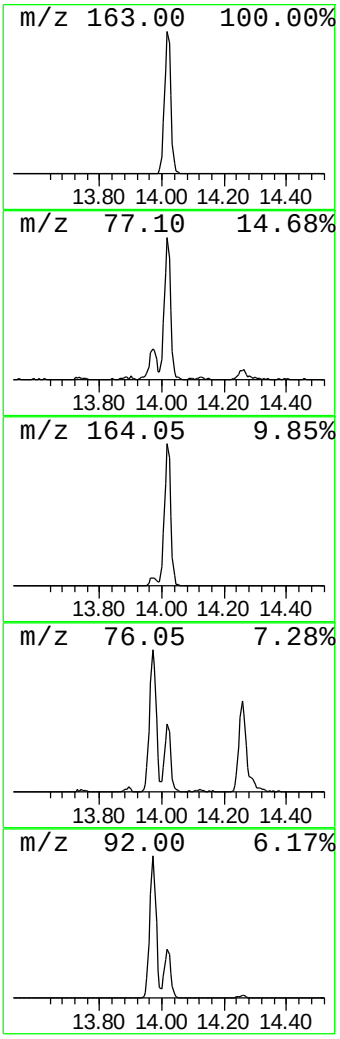
Peak Number 11 Dimethyl phthalate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	8.17 ng/ul	361594	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl phthalate	194	C10H10O4	000131-11-3	93
2	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
3	Dimethyl phthalate	194	C10H10O4	000131-11-3	91
4	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	83
5	Benzoic acid, 2-(1-oxopropyl)-, ...	192	C11H12O3	032025-37-9	83





Library Search Compound Report

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Operator : CG/JU
Sample : L3632-12
Misc :
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Instrument : BNA_G
ClientSampleId : BFM90

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Quant Title : SVOA CALIBRATION

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

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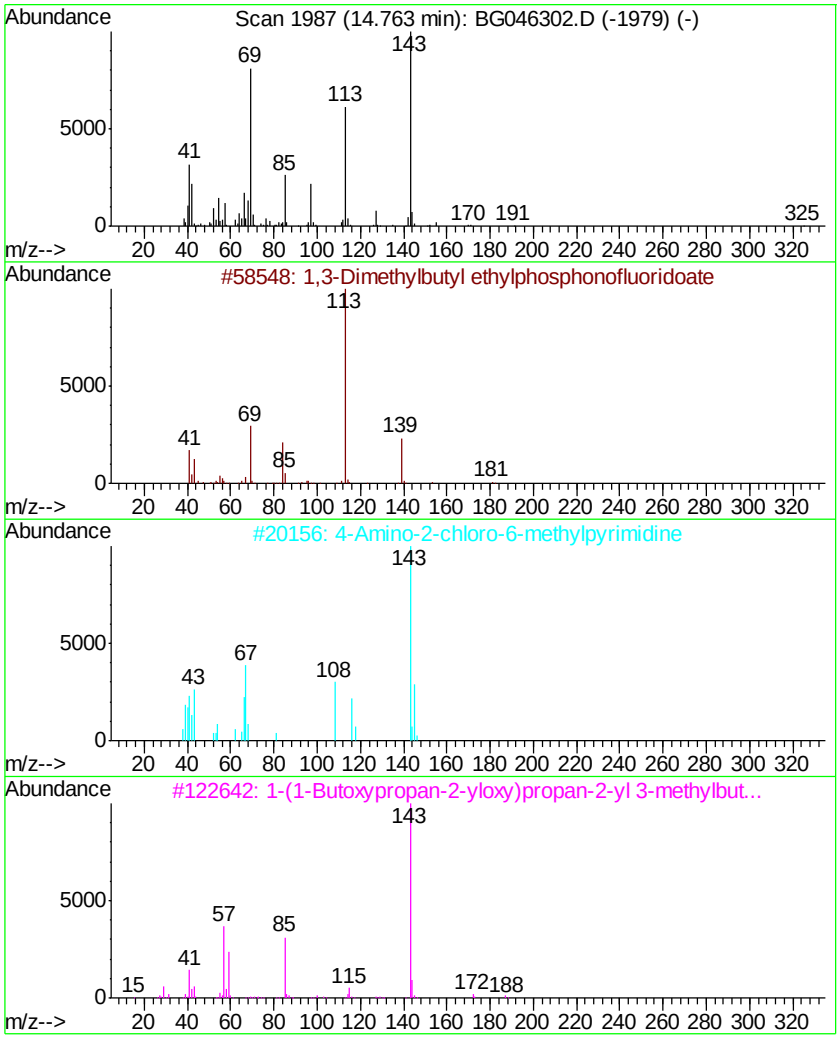
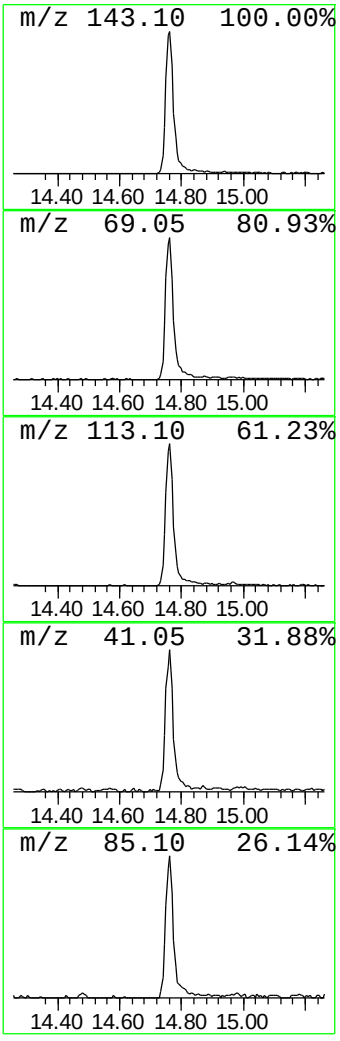
Peak Number 12 unknown-06 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	10.54 ng/ul	466820	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethylbutyl ethylphosphono...	196	C8H18FO2P	1000298-32-2	32
2	4-Amino-2-chloro-6-methylpyrimidine	143	C5H6ClN3	014394-60-6	27
3	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	27
4	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	25
5	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25





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Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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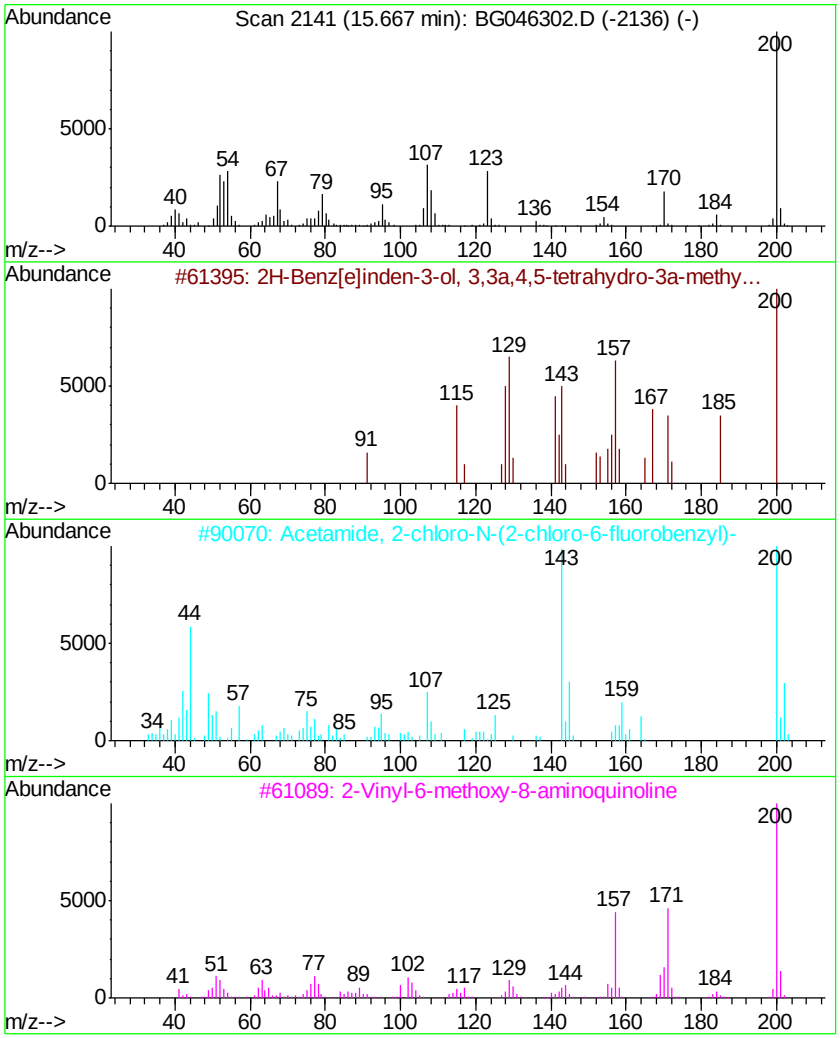
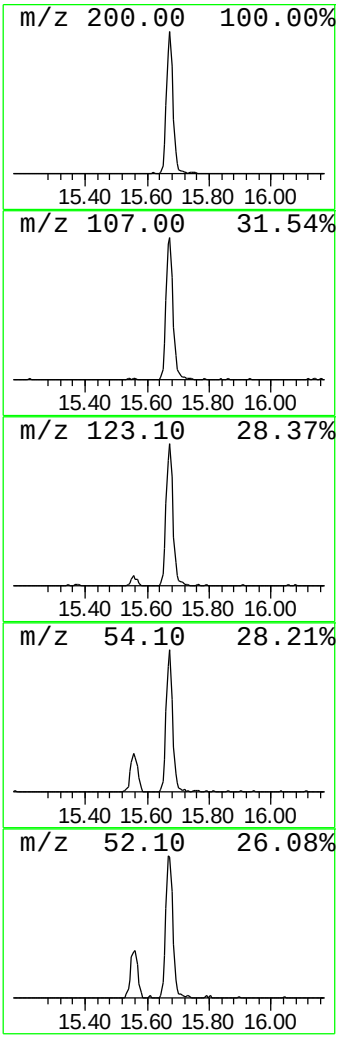
Peak Number 13 unknown-07 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	12.06 ng/ul	534067	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	35
2	Acetamide, 2-chloro-N-(2-chloro-...	235	C9H8Cl2FNO	1000268-05-5	32
3	2-Vinyl-6-methoxy-8-aminoquinoline	200	C12H12N2O	064992-65-0	16
4	1,3-Benzenediol, 4-(phenylmethyl)-	200	C13H12O2	002284-30-2	16
5	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	14





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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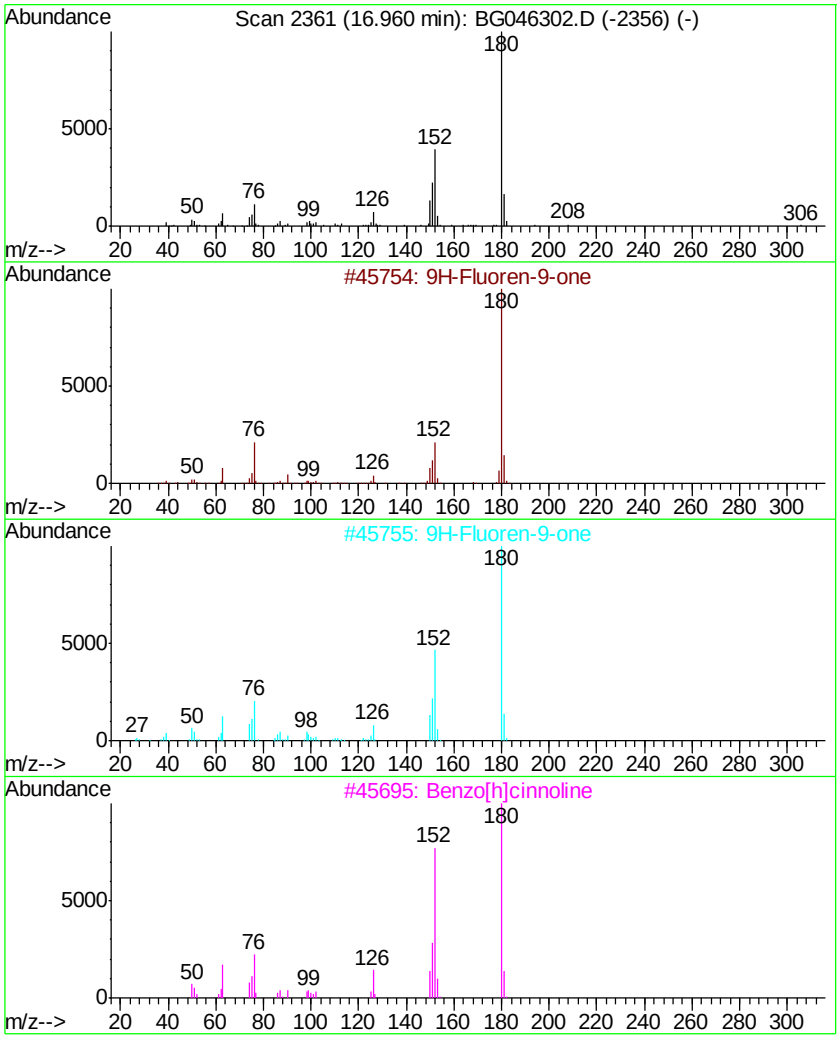
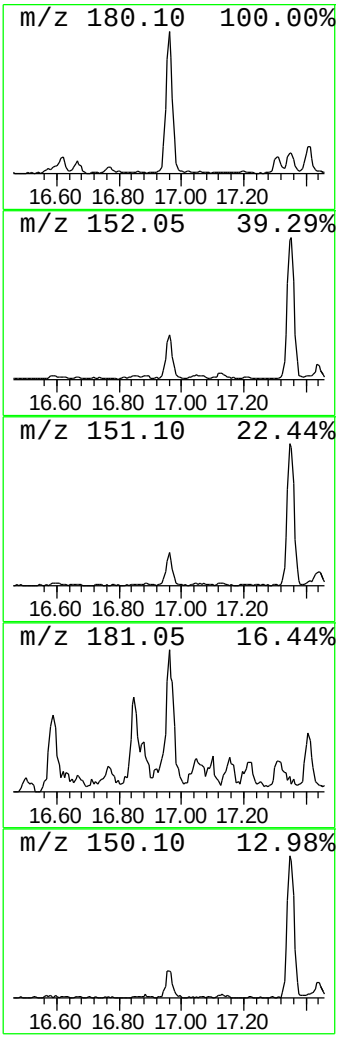
Peak Number 14 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.21 ng/ul	133497	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Instrument : BNA_G
ClientSampleId : BFM90

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Quant Title : SVOA CALIBRATION

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

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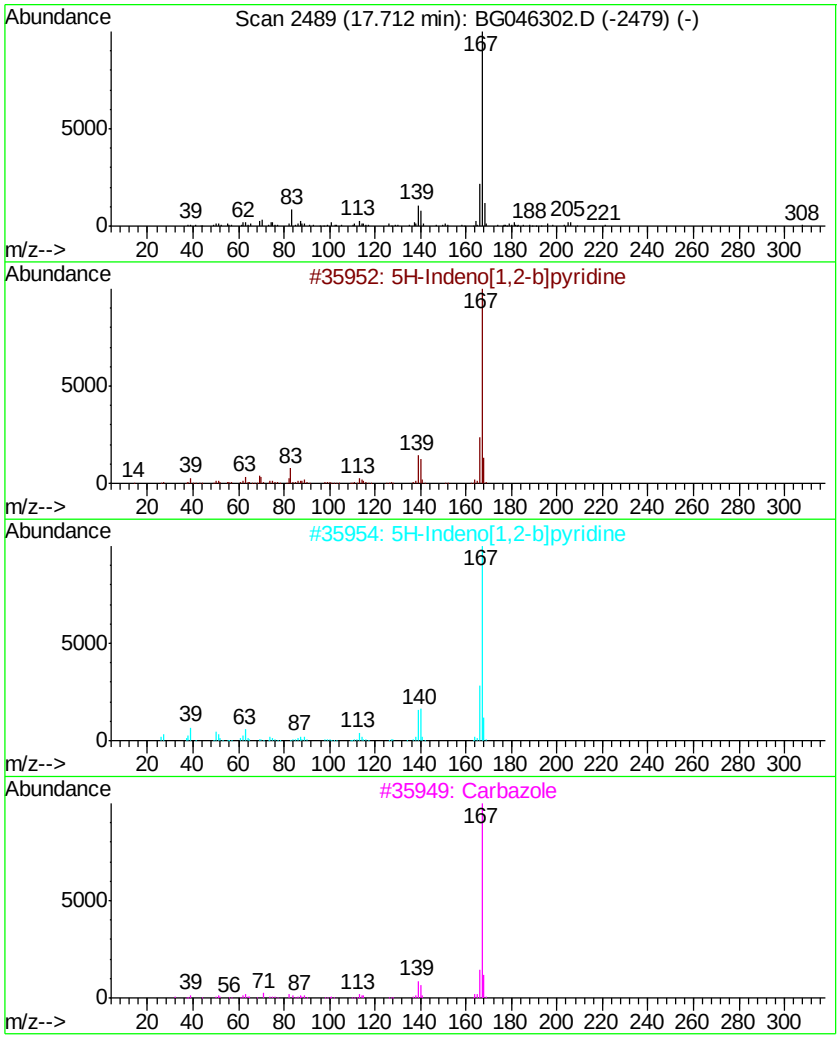
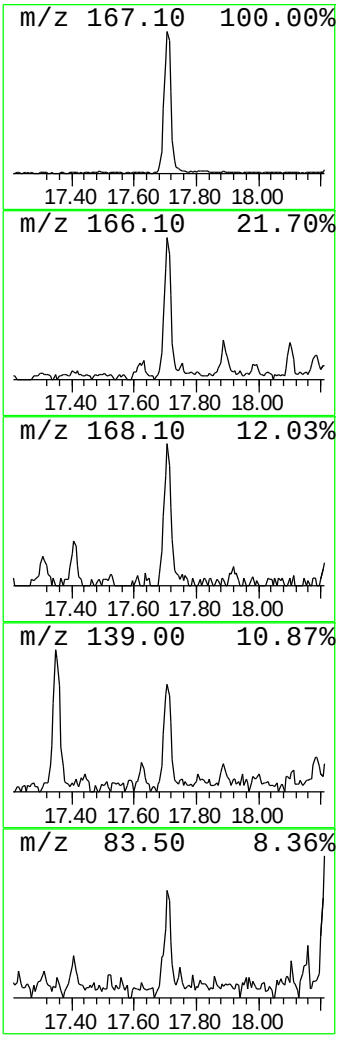
Peak Number 15 5H-Indeno[1,2-b]pyridine Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.24 ng/ul	135376	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	95
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	Carbazole	167	C12H9N	000086-74-8	87
4	Carbazole	167	C12H9N	000086-74-8	87
5	Carbazole	167	C12H9N	000086-74-8	86





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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Quant Title : SVOA CALIBRATION

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

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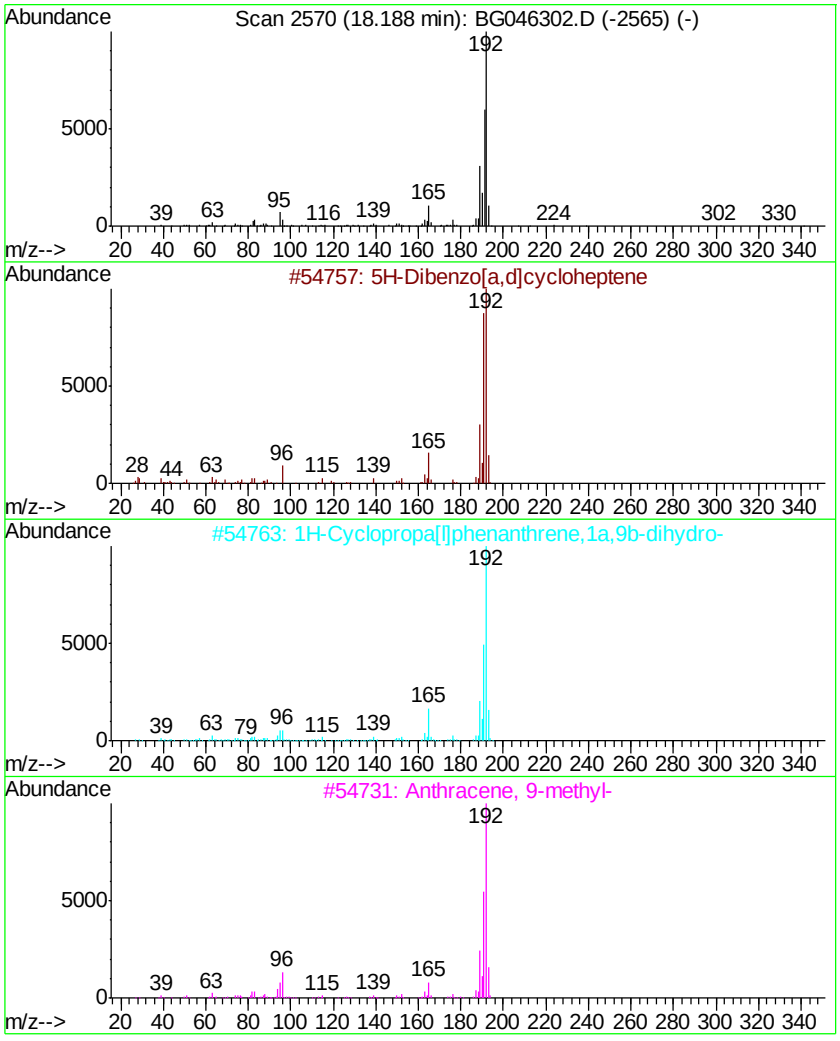
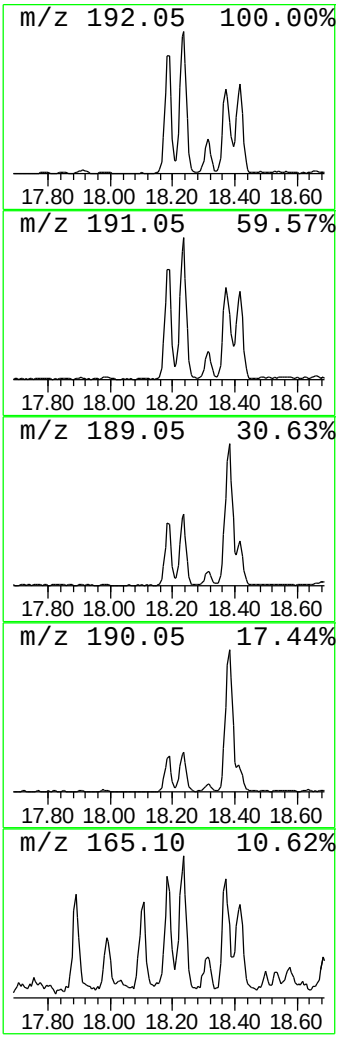
Peak Number 16 5H-Dibenzo[a,d]cycloheptene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.77 ng/ul	228028	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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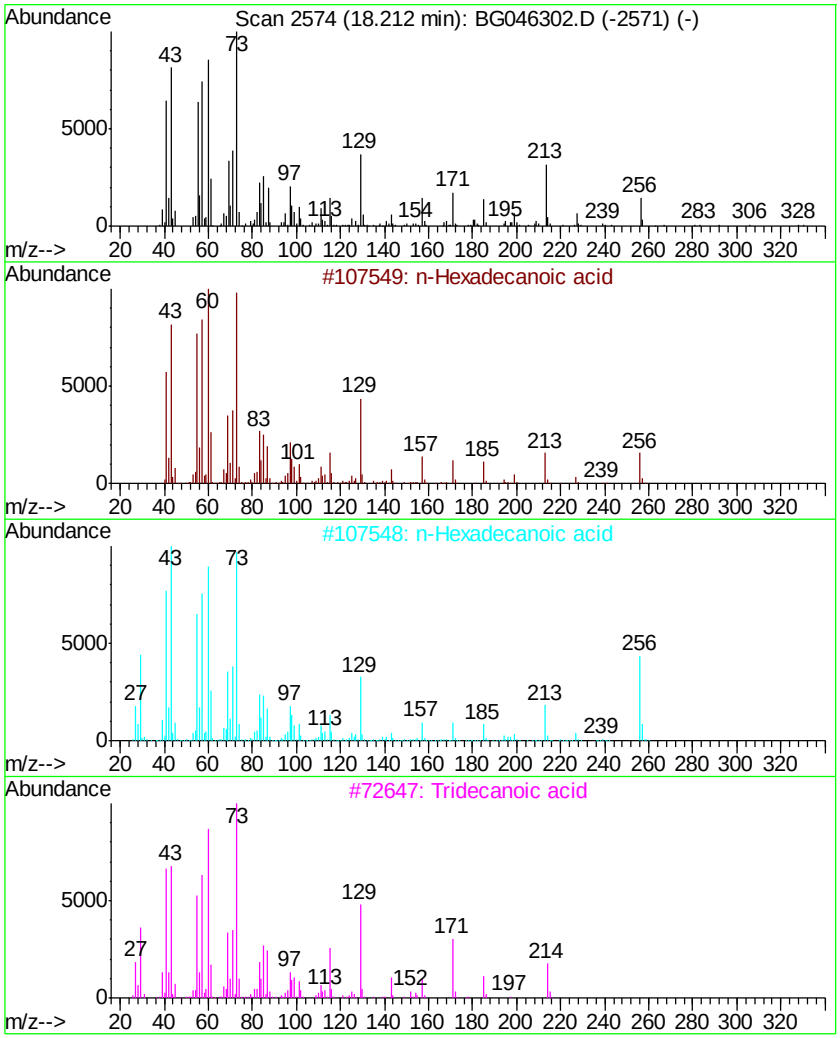
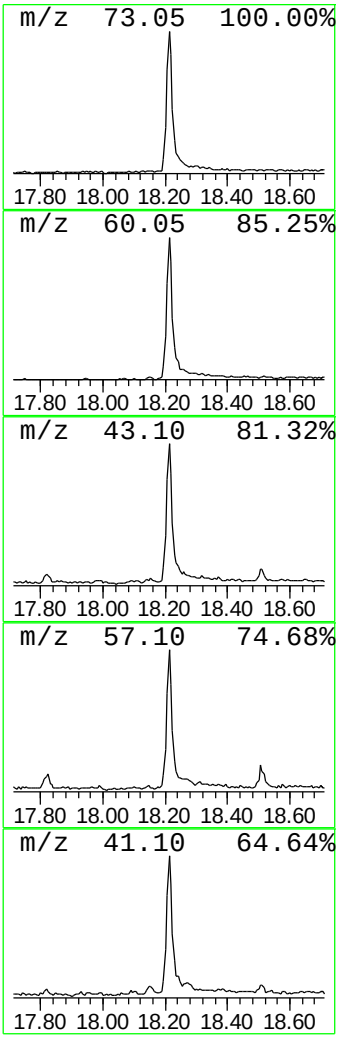
Peak Number 17 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	12.61 ng/ul	762334	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tridecanoic acid	214	C13H26O2	000638-53-9	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





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Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

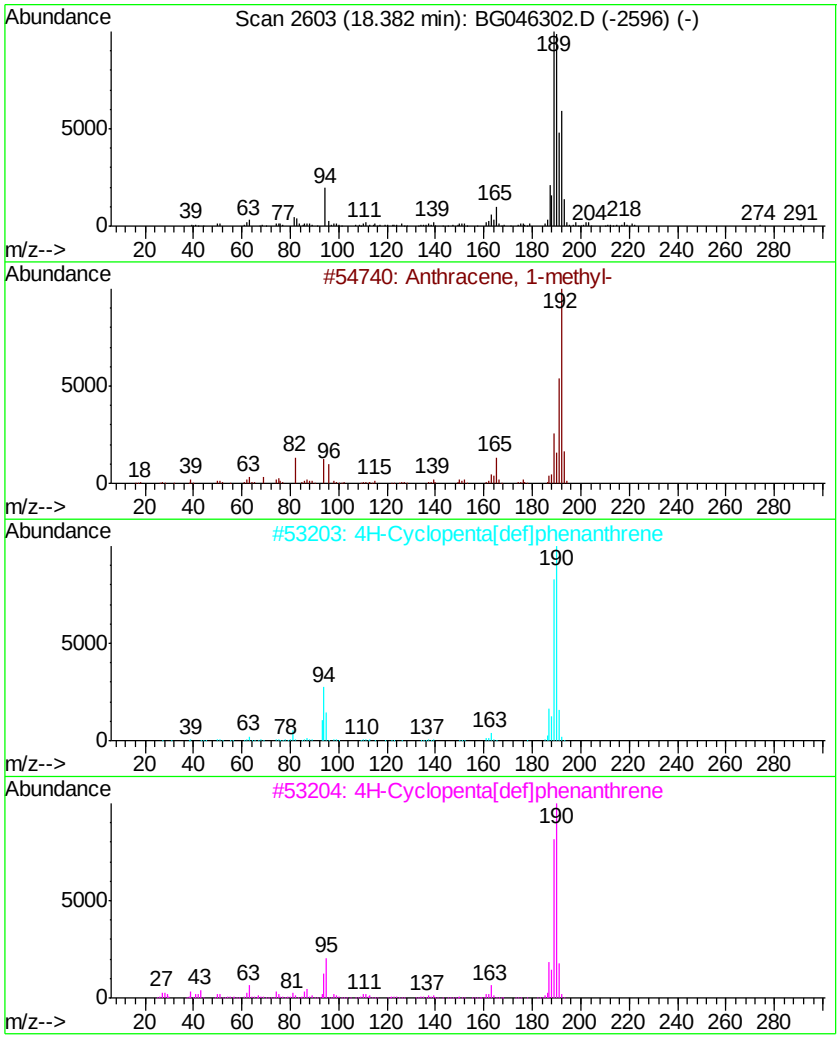
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

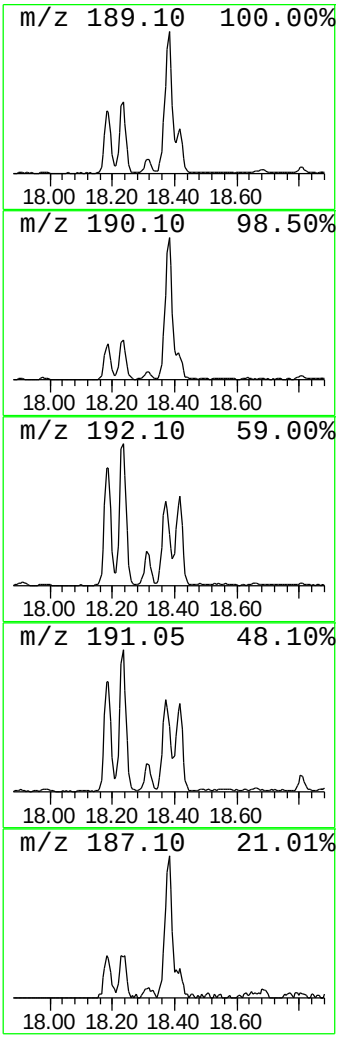
****

Peak Number 18 Anthracene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.36 ng/ul	384370	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46





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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

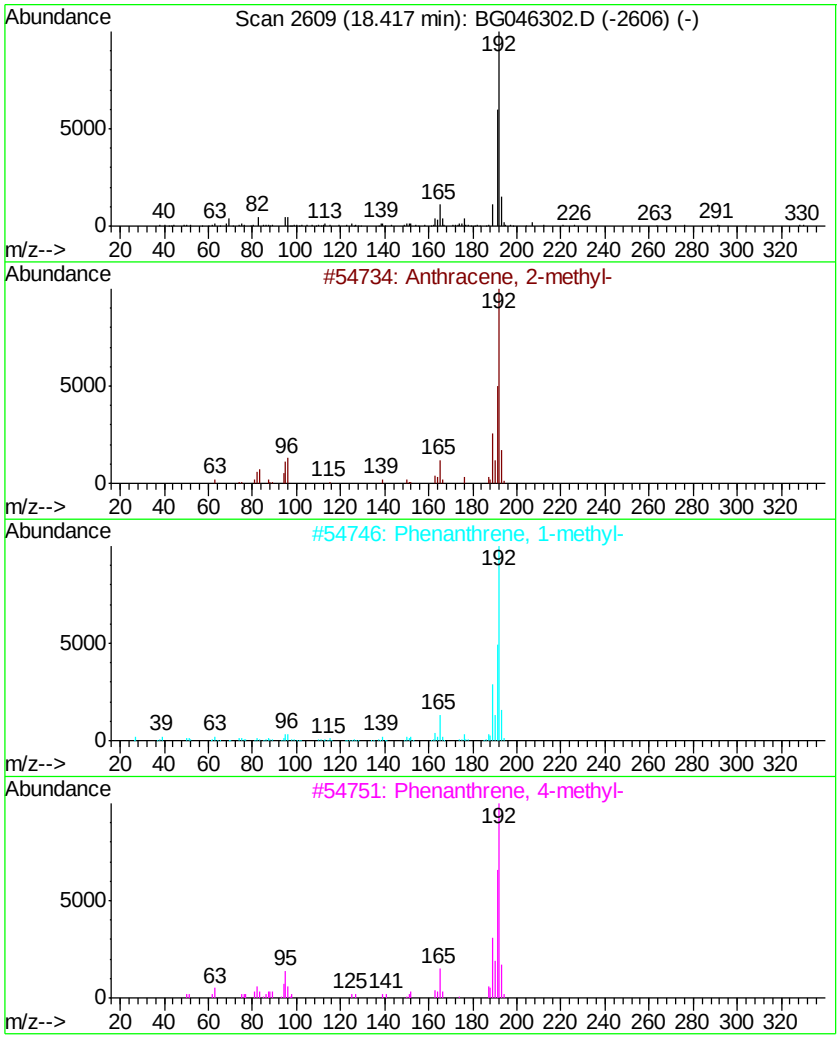
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

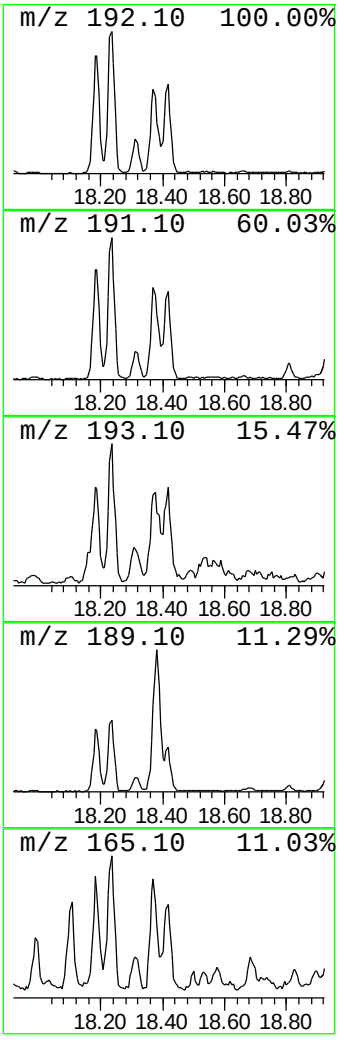
****

Peak Number 19 Anthracene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.78 ng/ul	168171	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

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Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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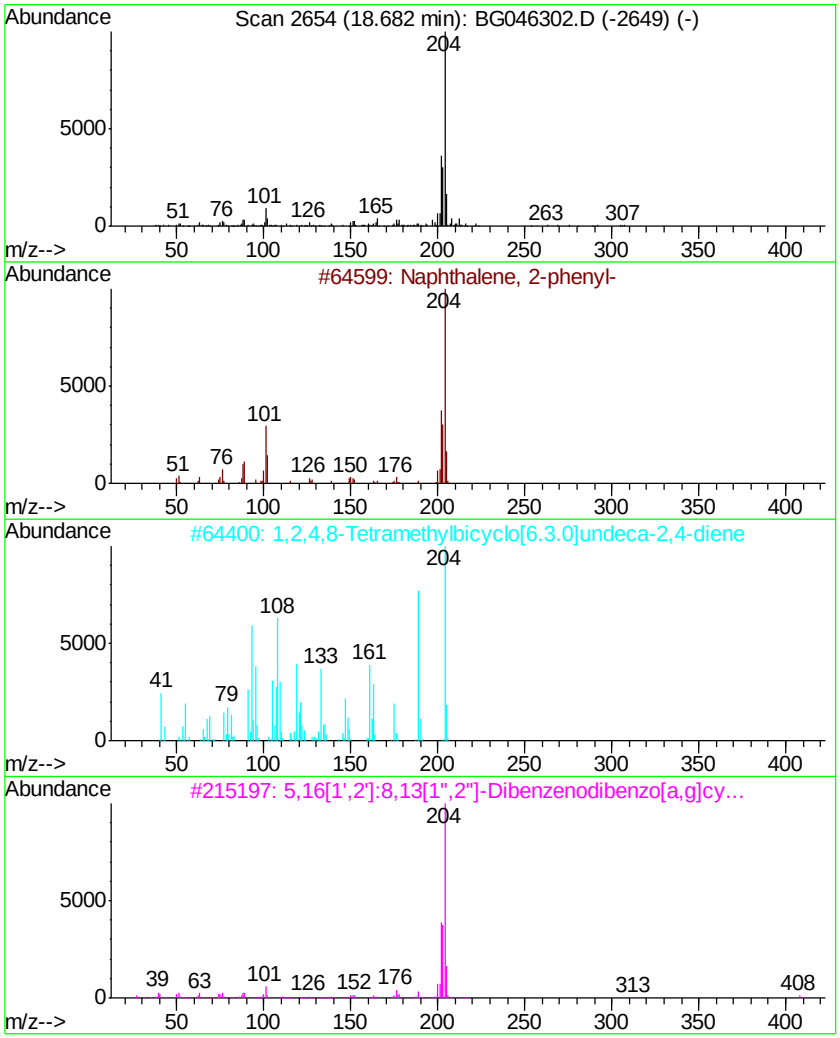
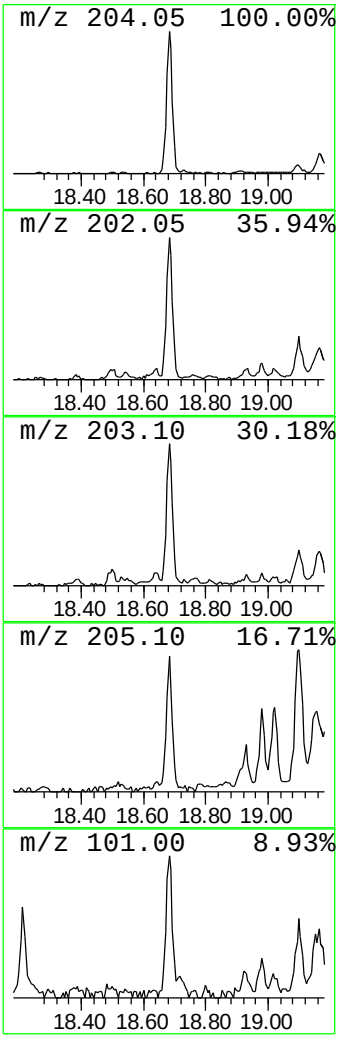
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.27 ng/ul	197463	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Library Search Compound Report

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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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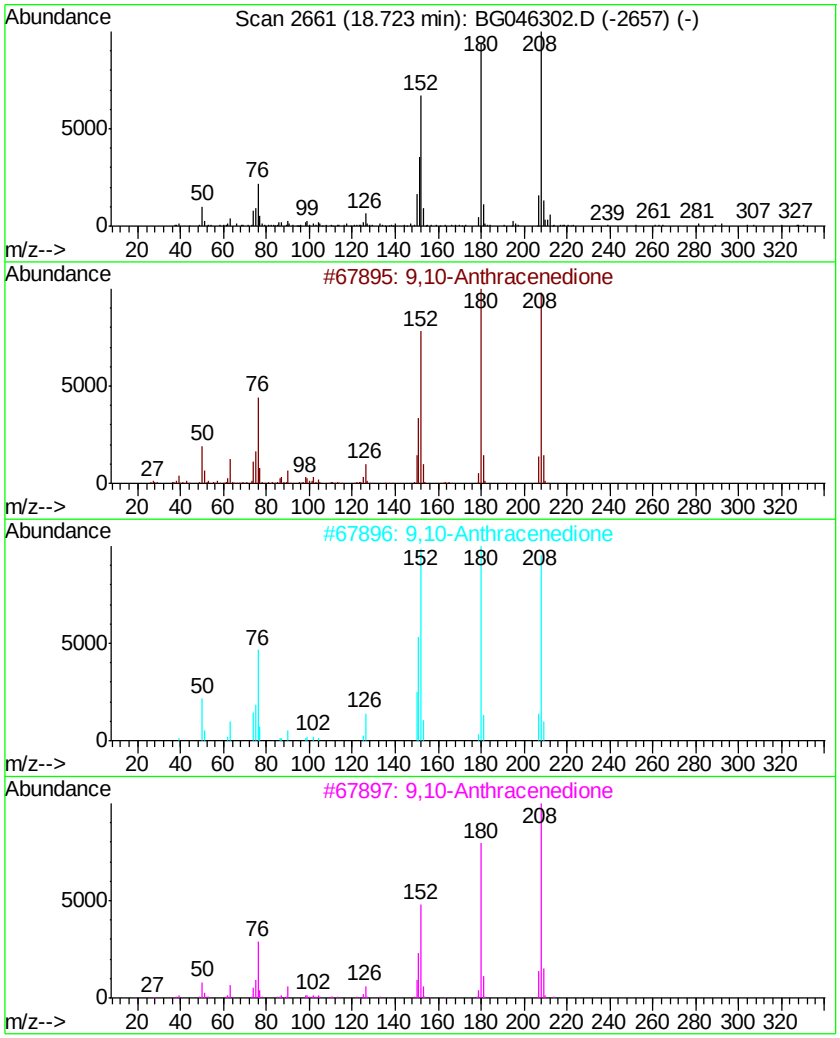
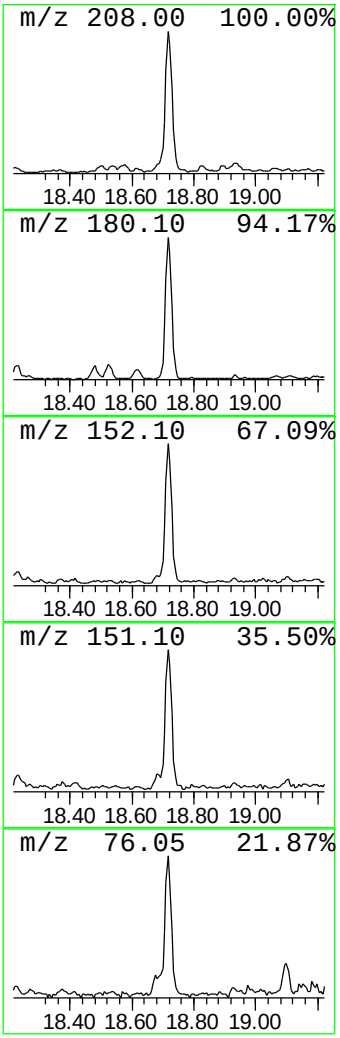
Peak Number 21 9,10-Anthracenedione Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	4.26 ng/ul	257253	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Library Search Compound Report

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Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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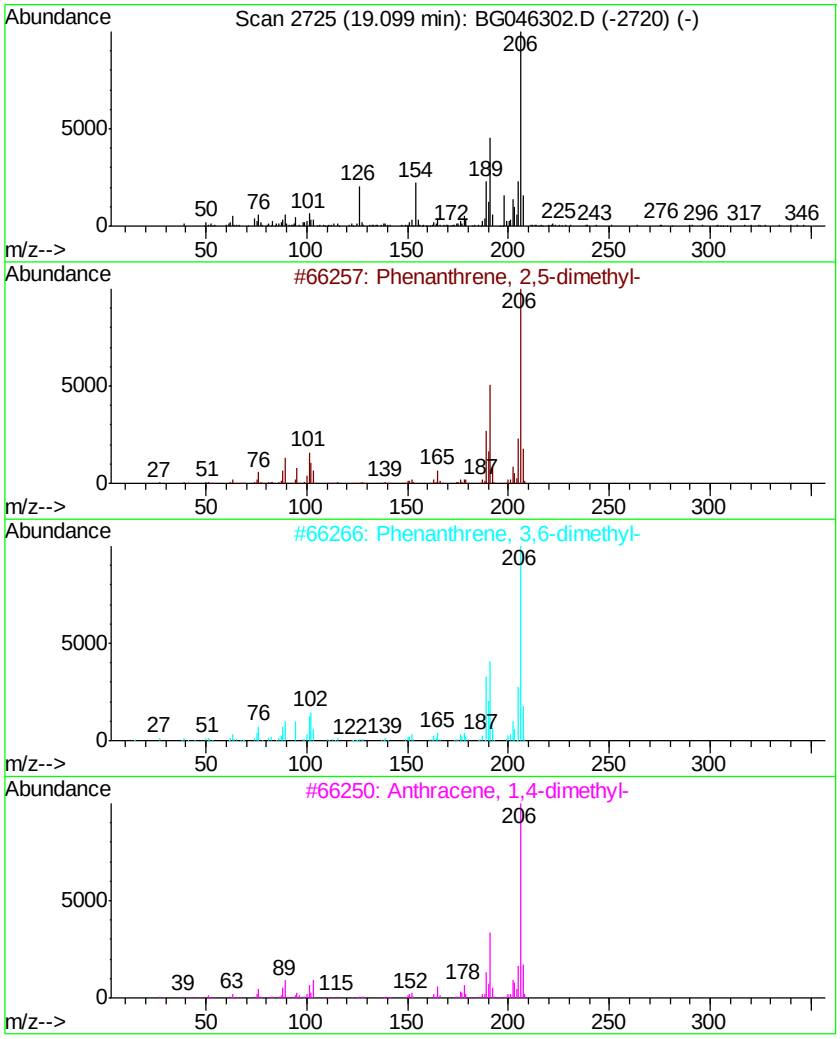
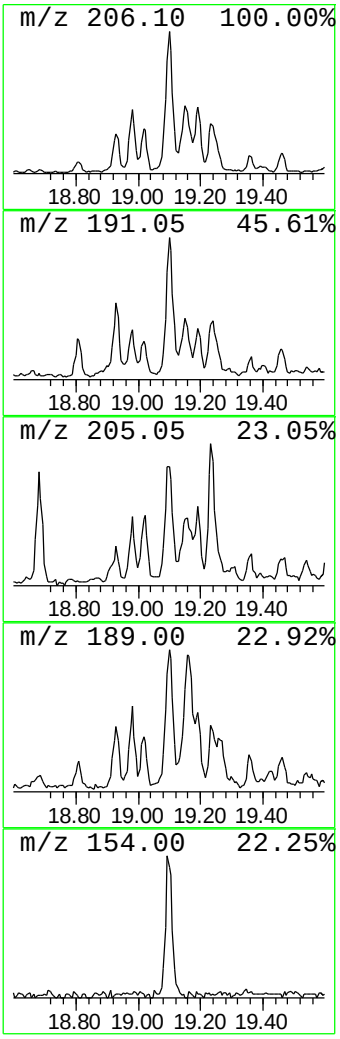
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	4.04 ng/ul	244044	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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58





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Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

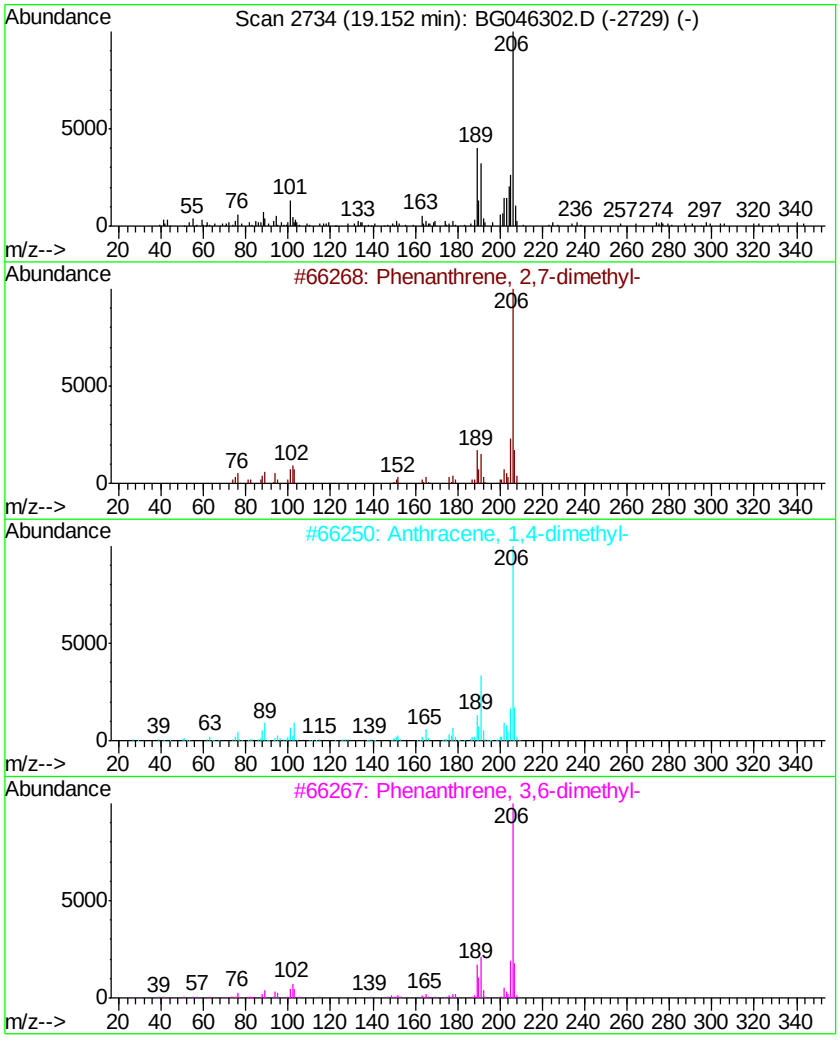
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

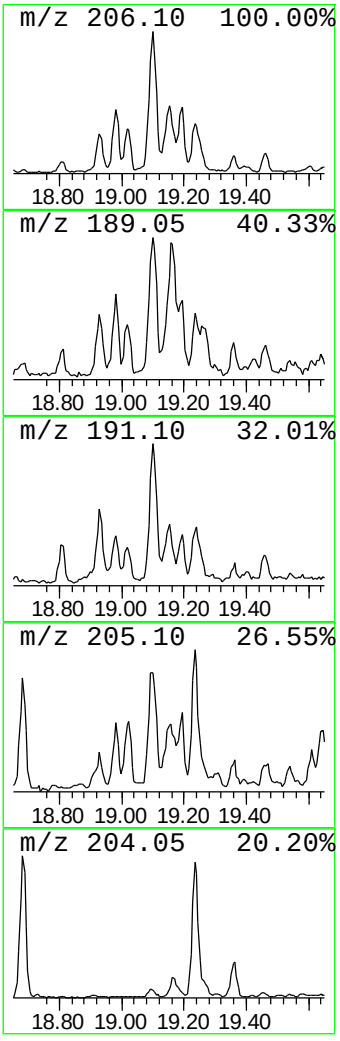
****

Peak Number 23 Phenanthrene, 2,7-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.28 ng/ul	137889	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	59
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	58
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	52





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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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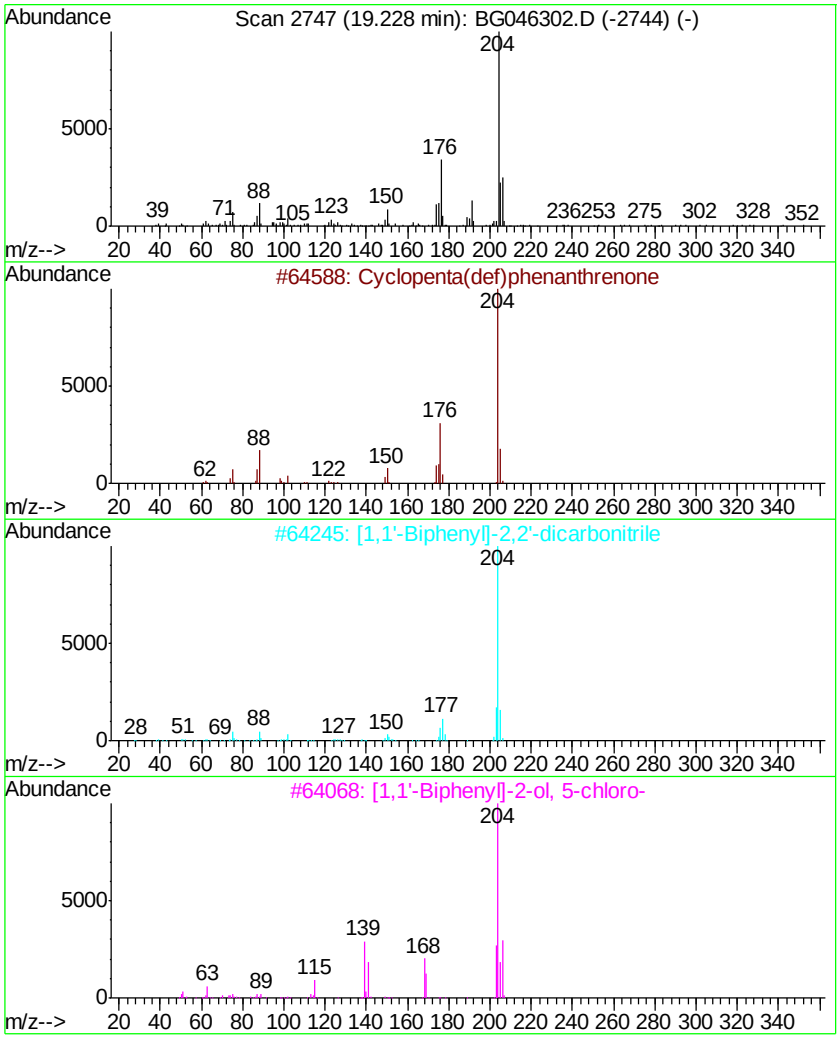
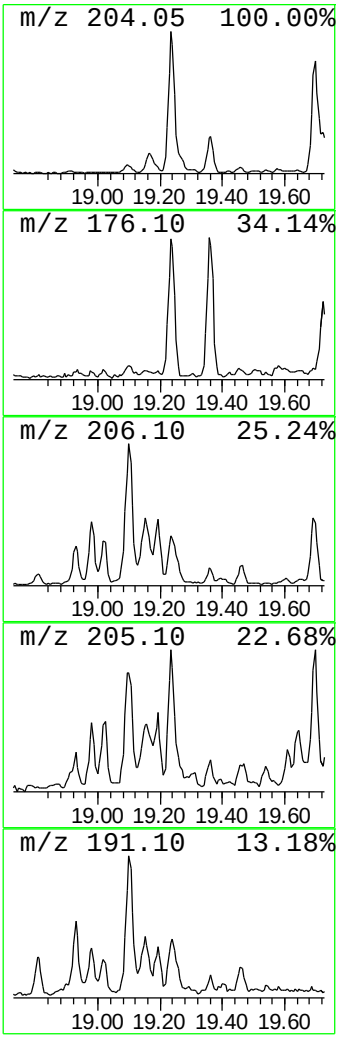
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.00 ng/ul	241993	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BFM90

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Quant Title : SVOA CALIBRATION

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

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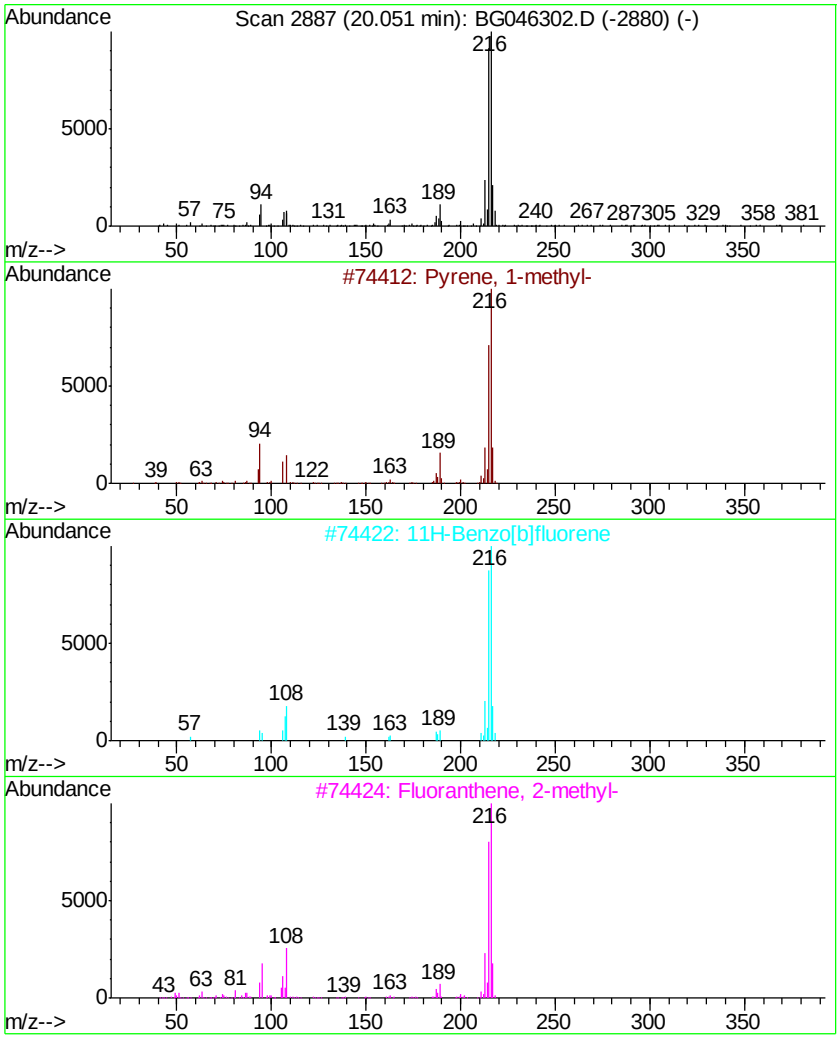
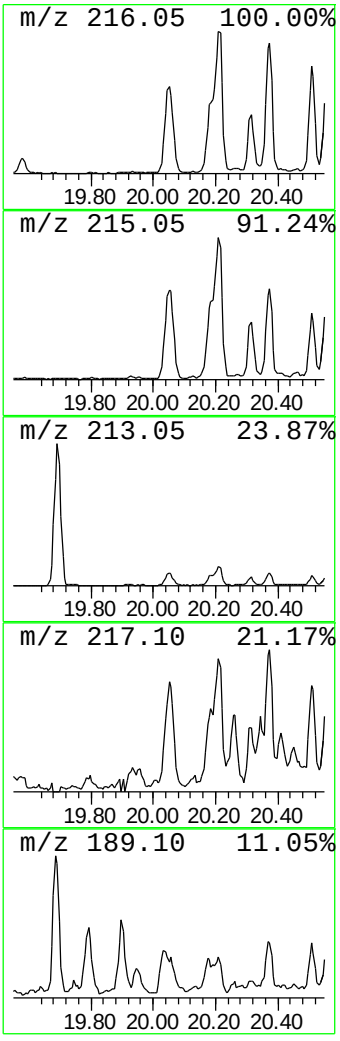
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.79 ng/ul	373235	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

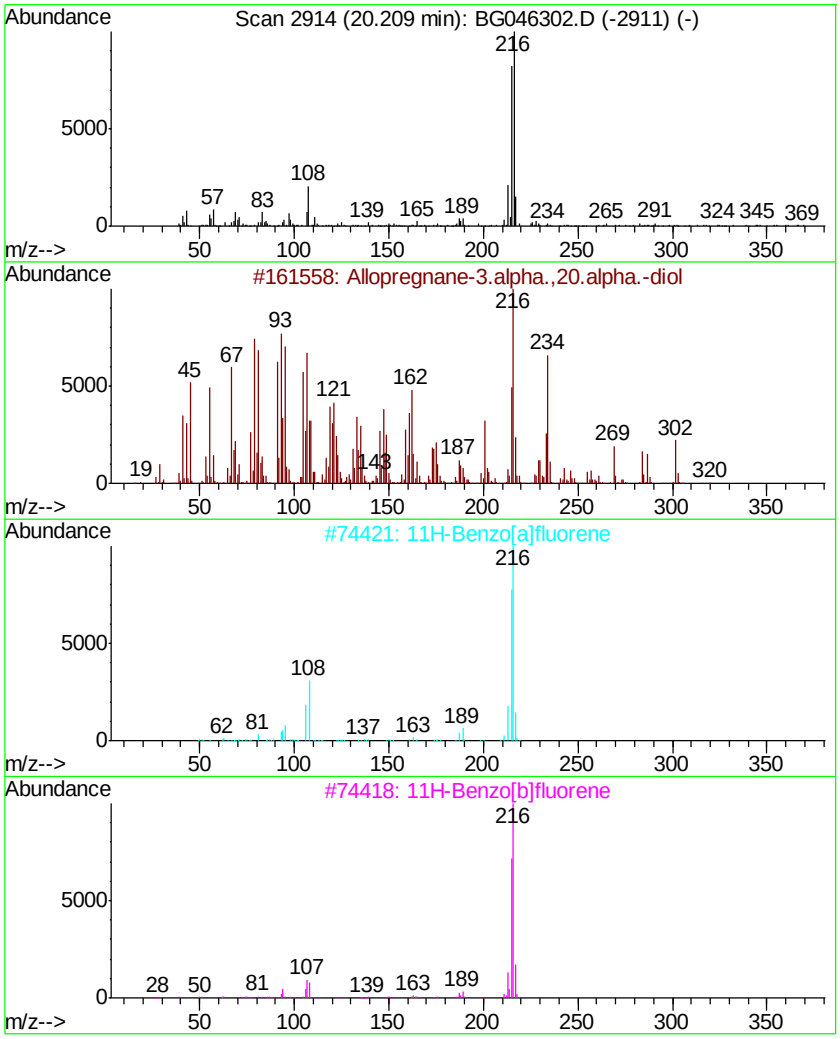
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

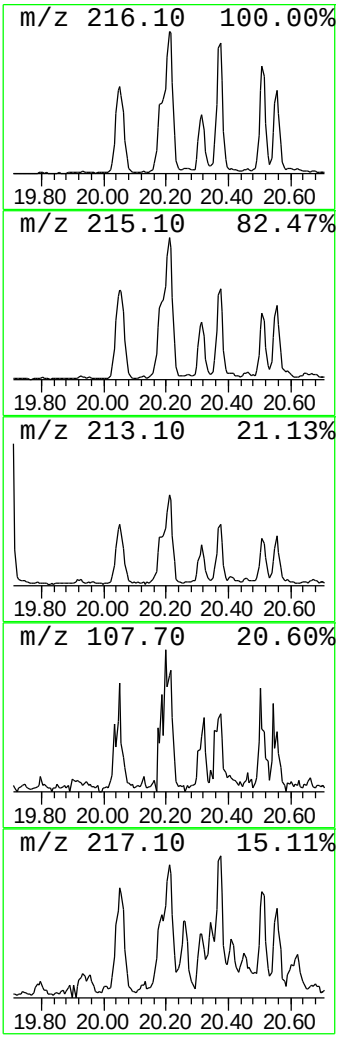
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Allopregnane-3.alpha.,20.al... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.20 ng/ul	294023	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





Library Search Compound Report

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Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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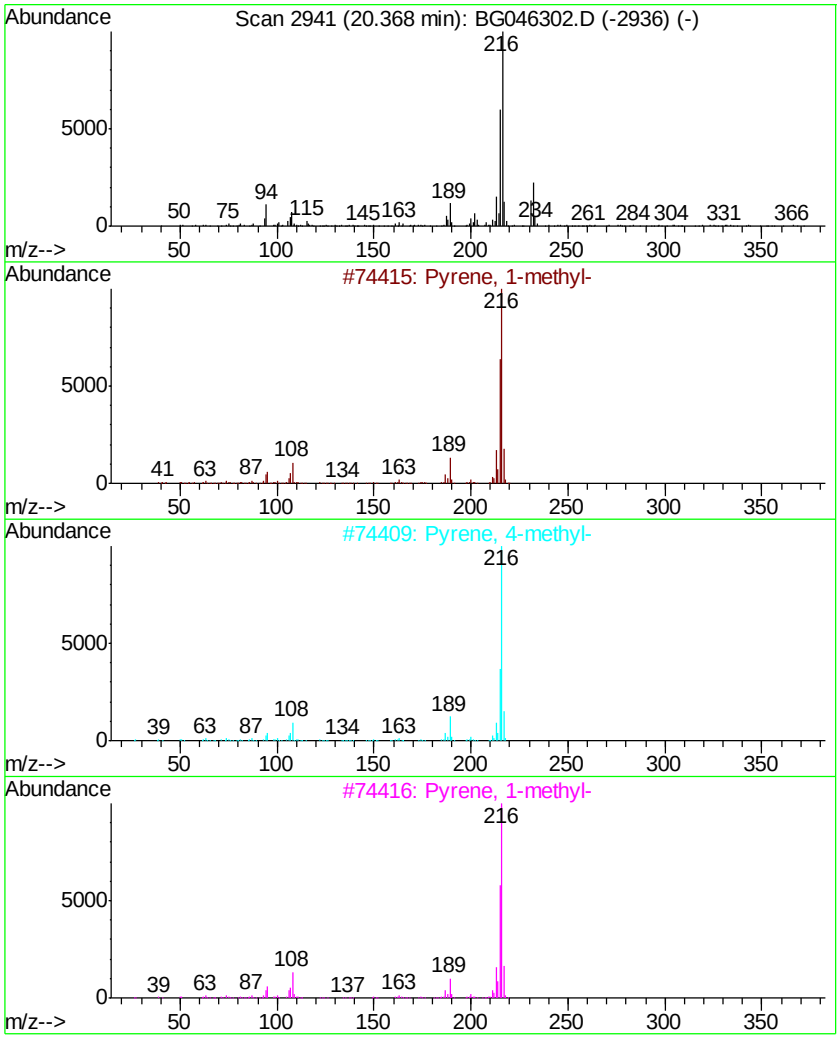
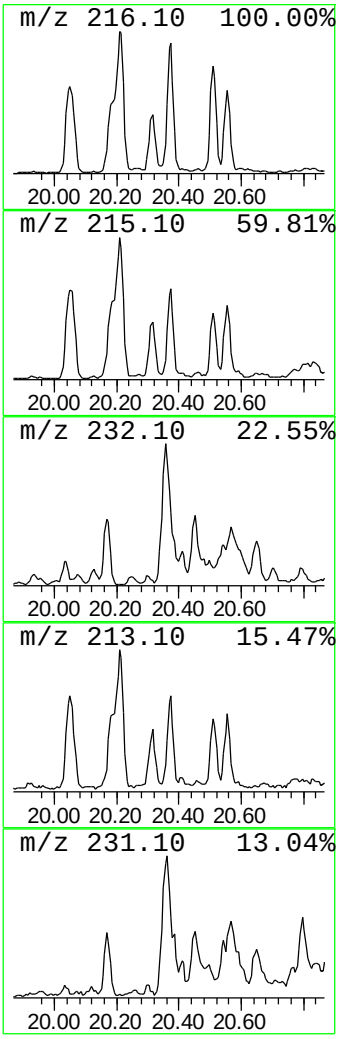
Peak Number 27 Pyrene, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.62 ng/ul	350999	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

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

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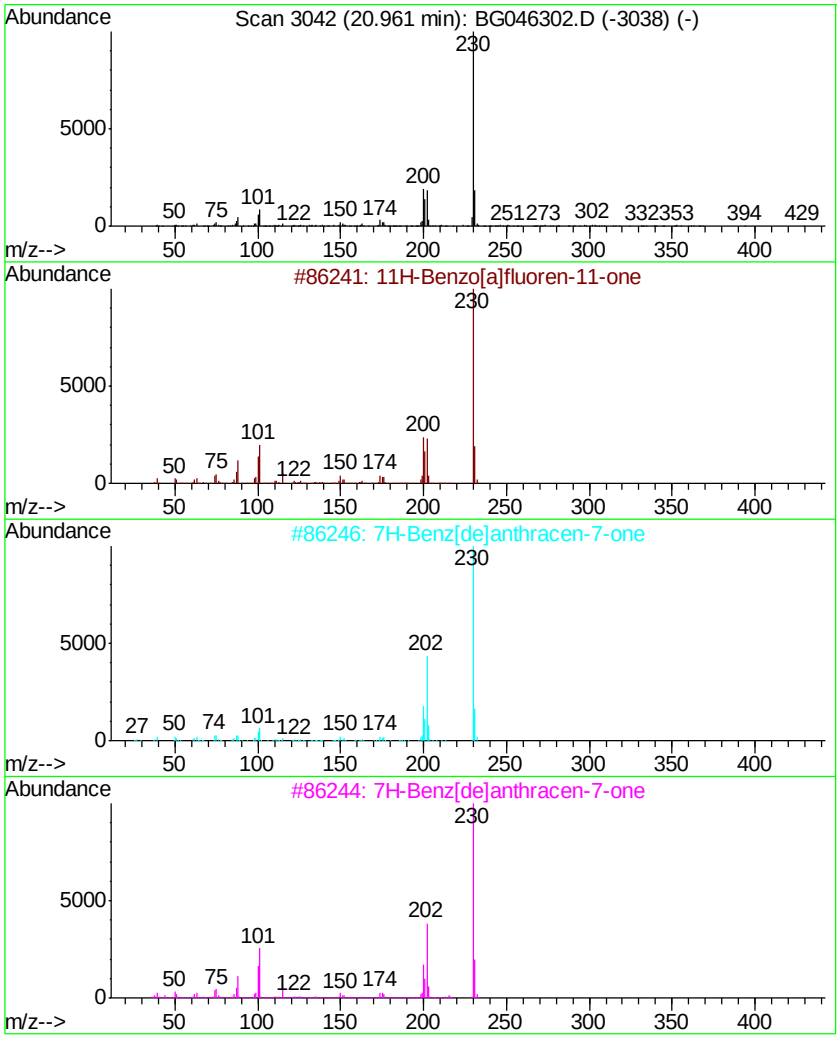
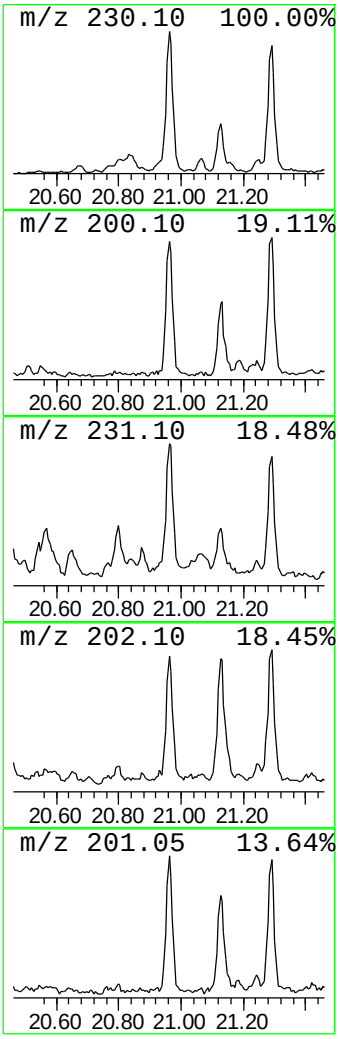
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.51 ng/ul	336200	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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

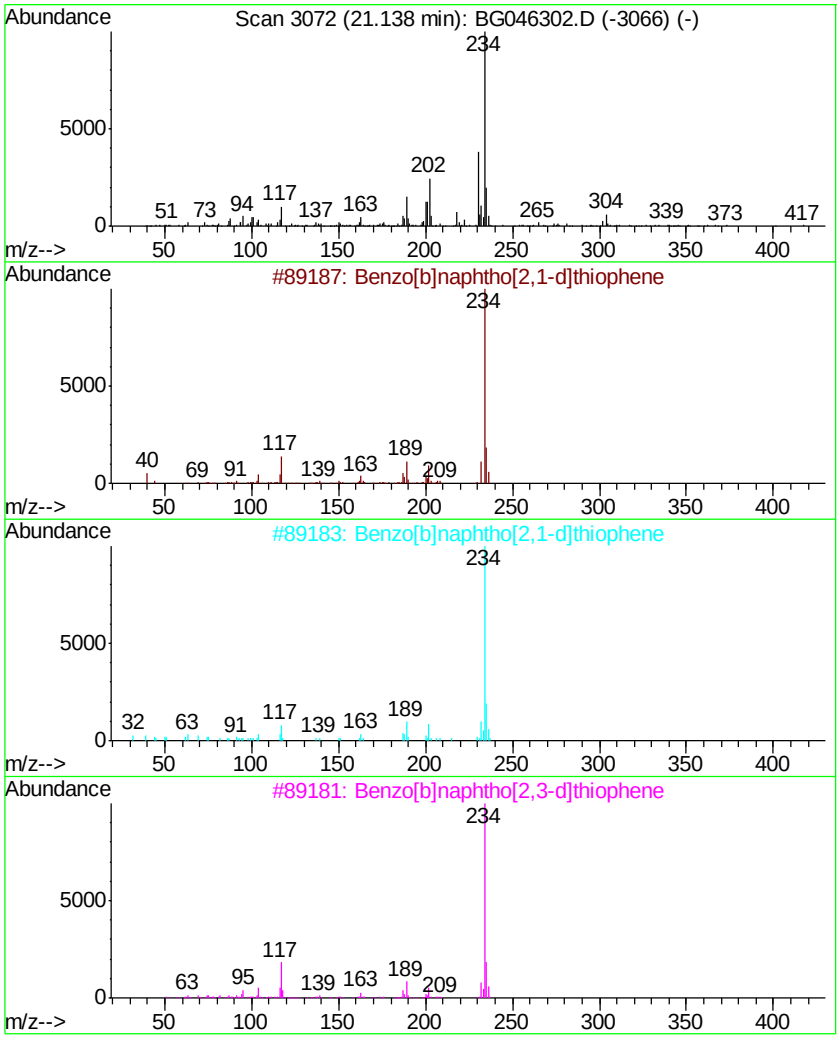
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

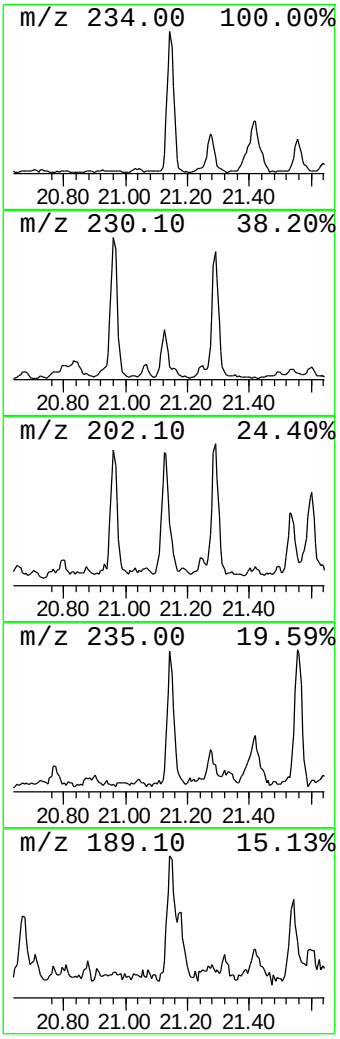
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.57 ng/ul	343438	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

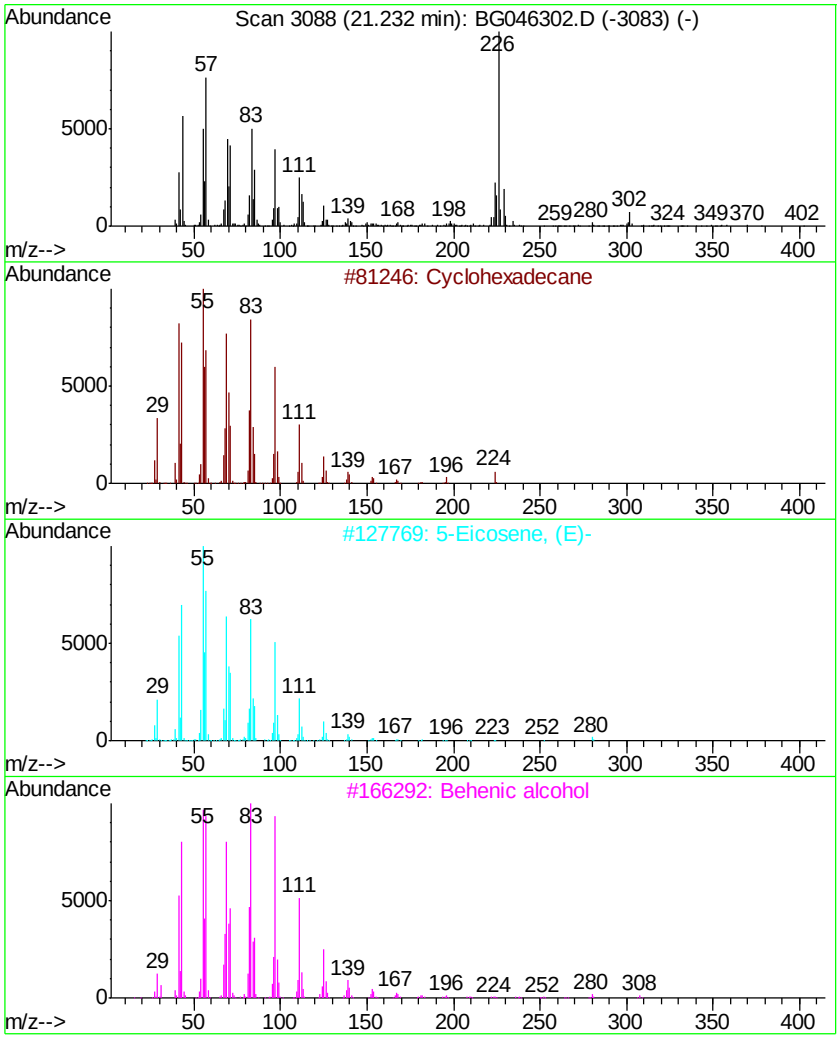
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

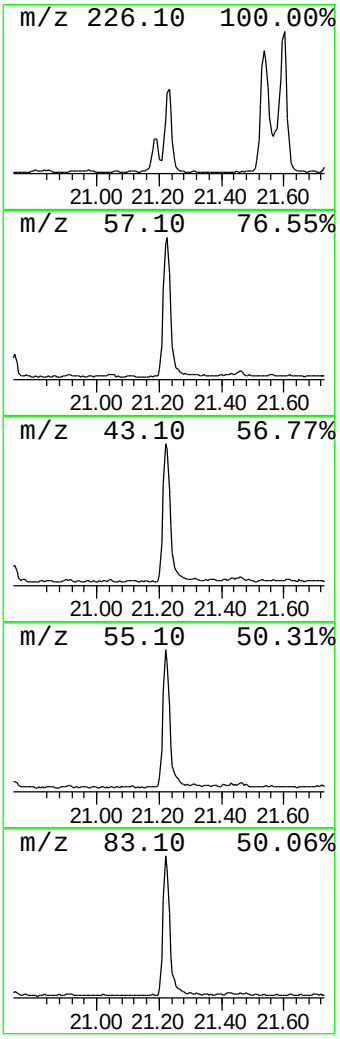
****

Peak Number 30 (DEL) Alkane: Cyclic21.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	9.15 ng/ul	1223710	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3	Behenic alcohol	326	C22H46O	000661-19-8	90
4	1-Heneicosanol	312	C21H44O	015594-90-8	90
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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

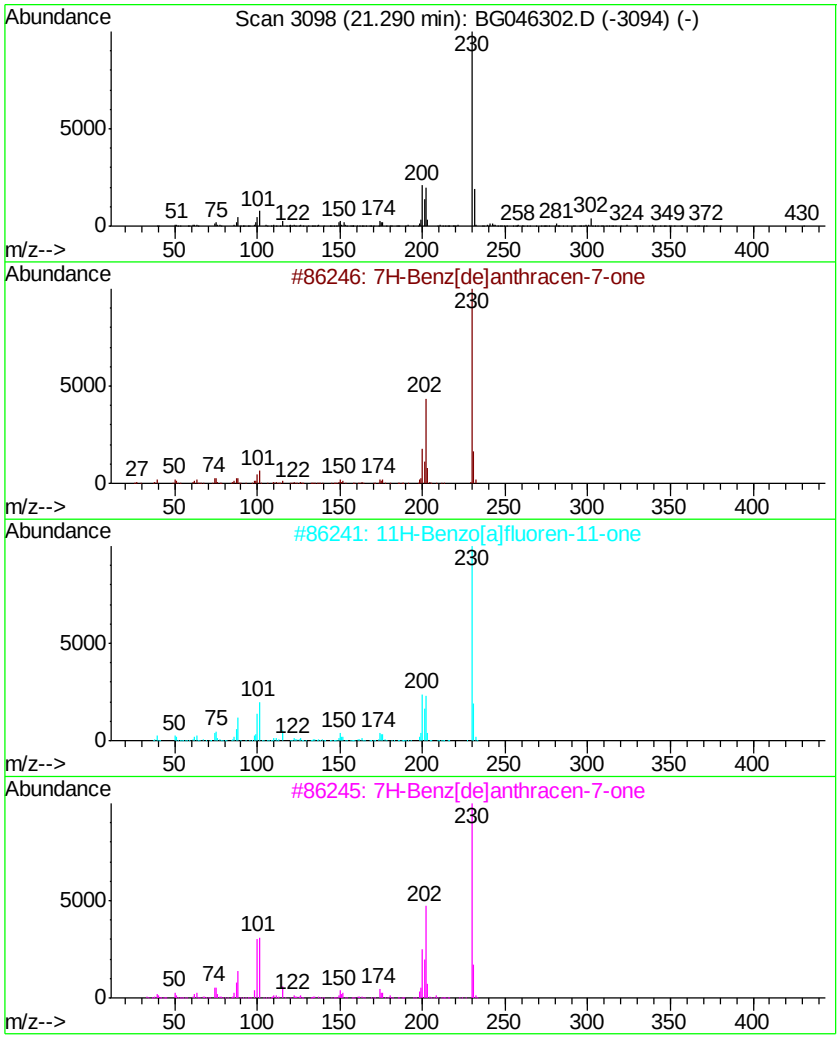
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

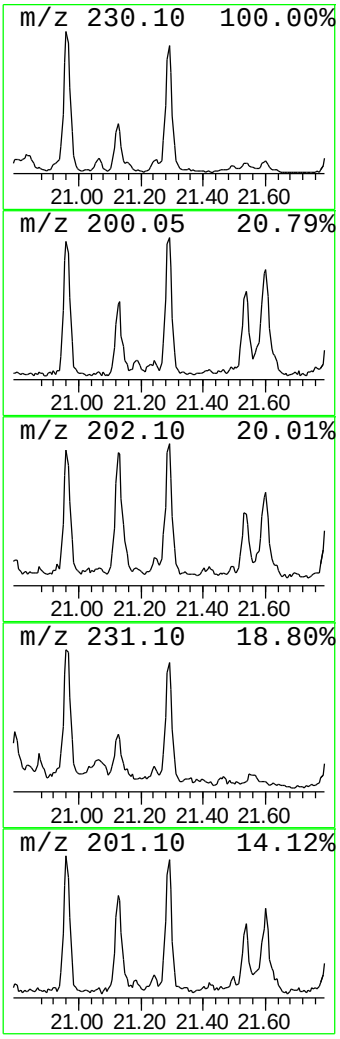
****

Peak Number 31 7H-Benz[de]anthracen-7-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.76 ng/ul	369675	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

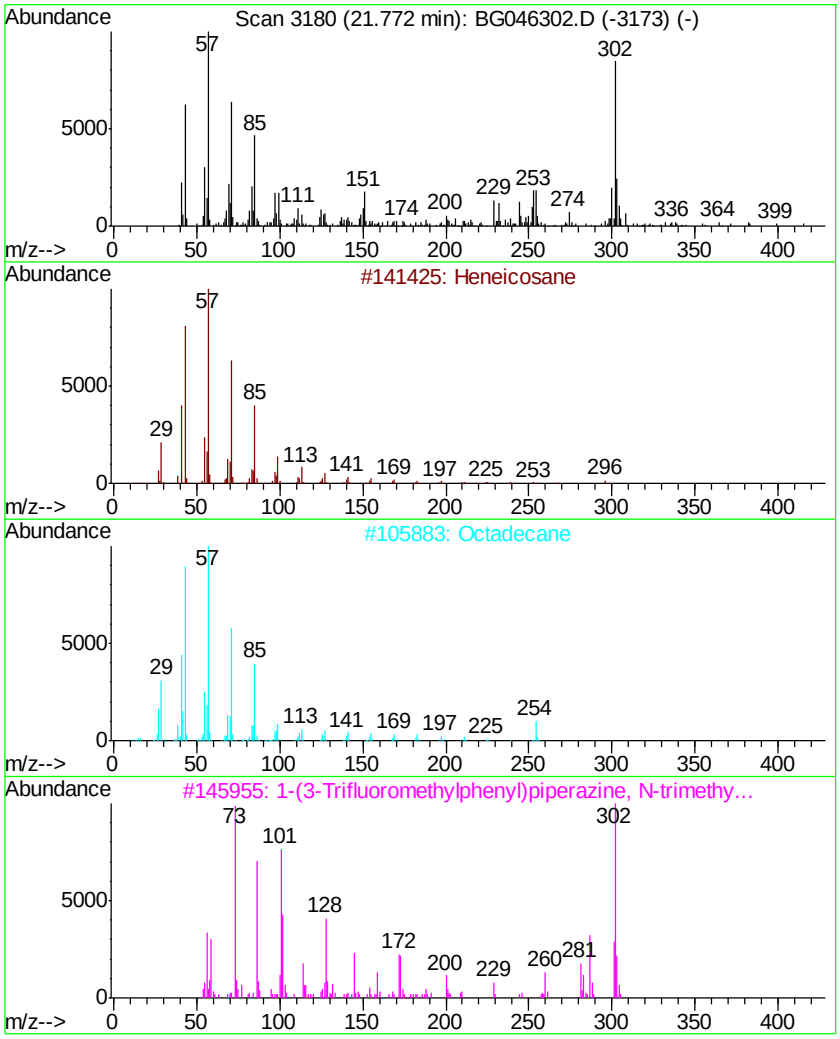
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

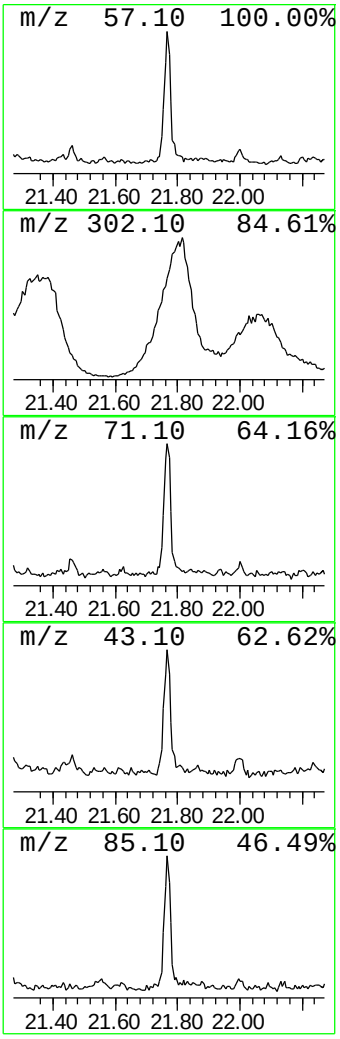
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.36 ng/ul	315431	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	78
2	Octadecane	254	C18H38	000593-45-3	64
3	1-(3-Trifluoromethylphenyl)piper...	302	C14H21F3N2Si	1000373-99-6	60
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	53
5	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

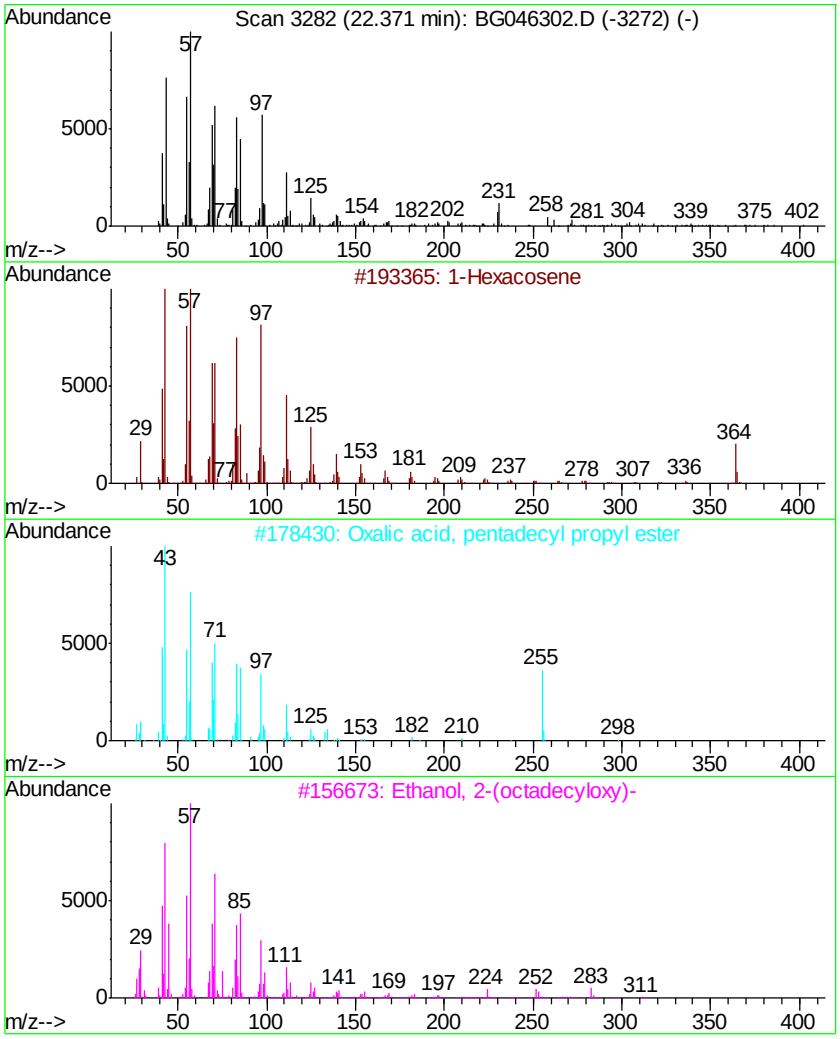
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

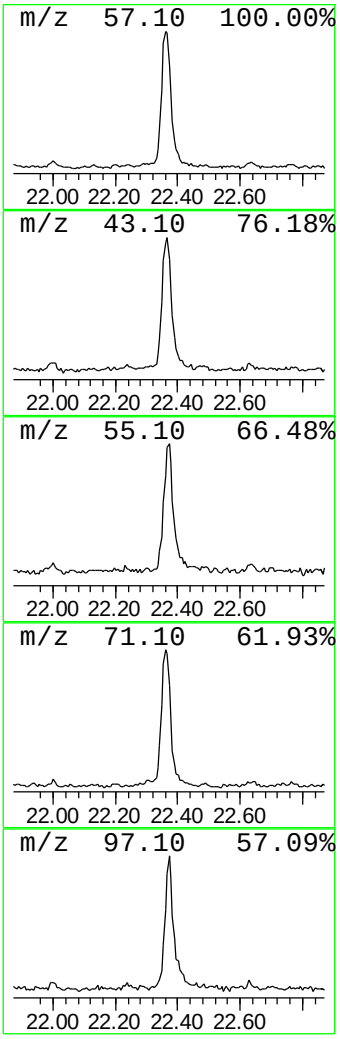
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	4.64 ng/ul	620879	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	92
2	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	91
3	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	90
4	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	83
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

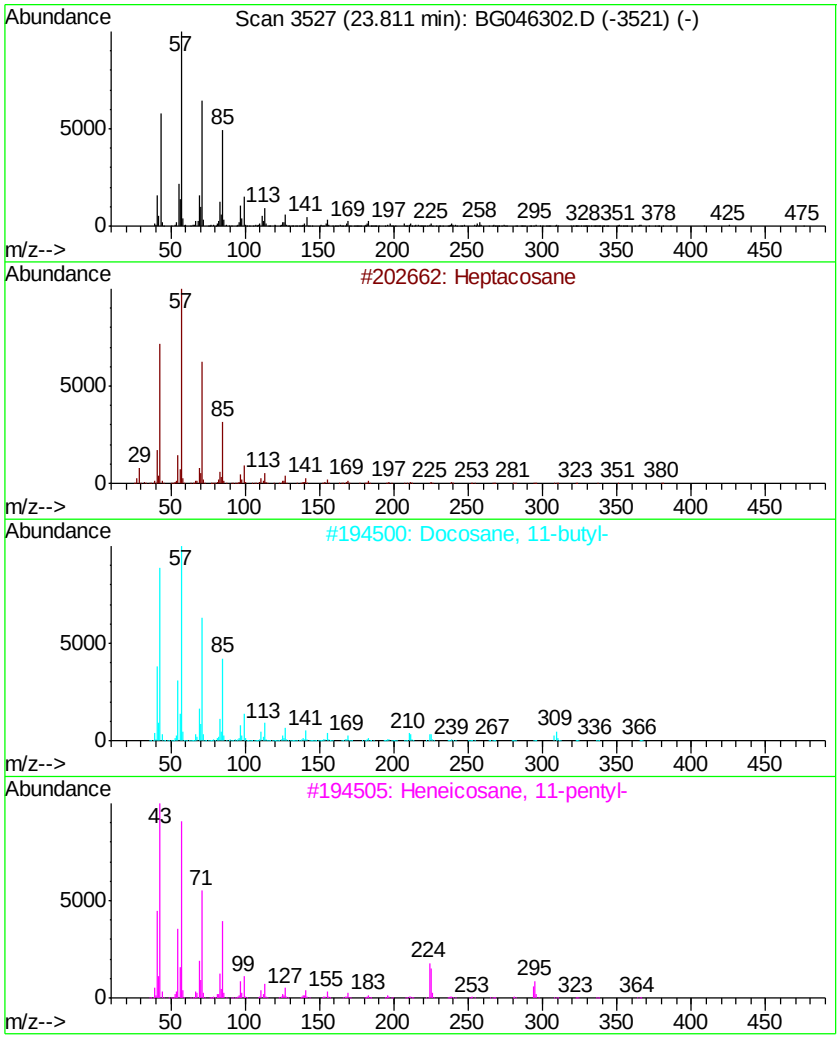
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

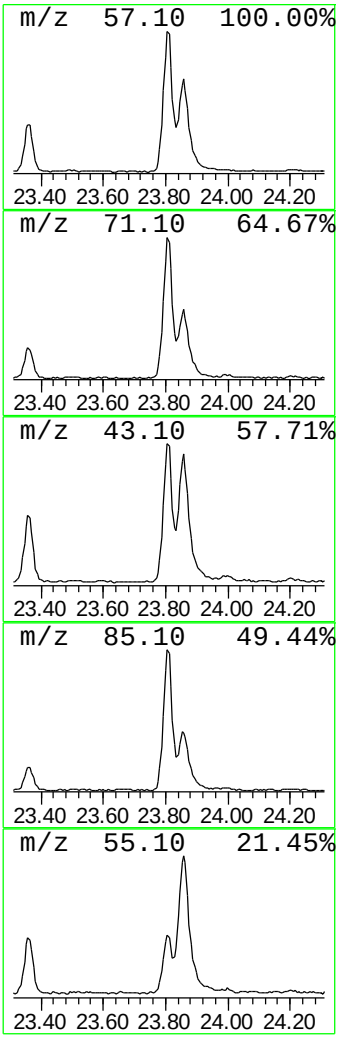
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	12.21 ng/ul	784658	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	95
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
4	Eicosane	282	C20H42	000112-95-8	93
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

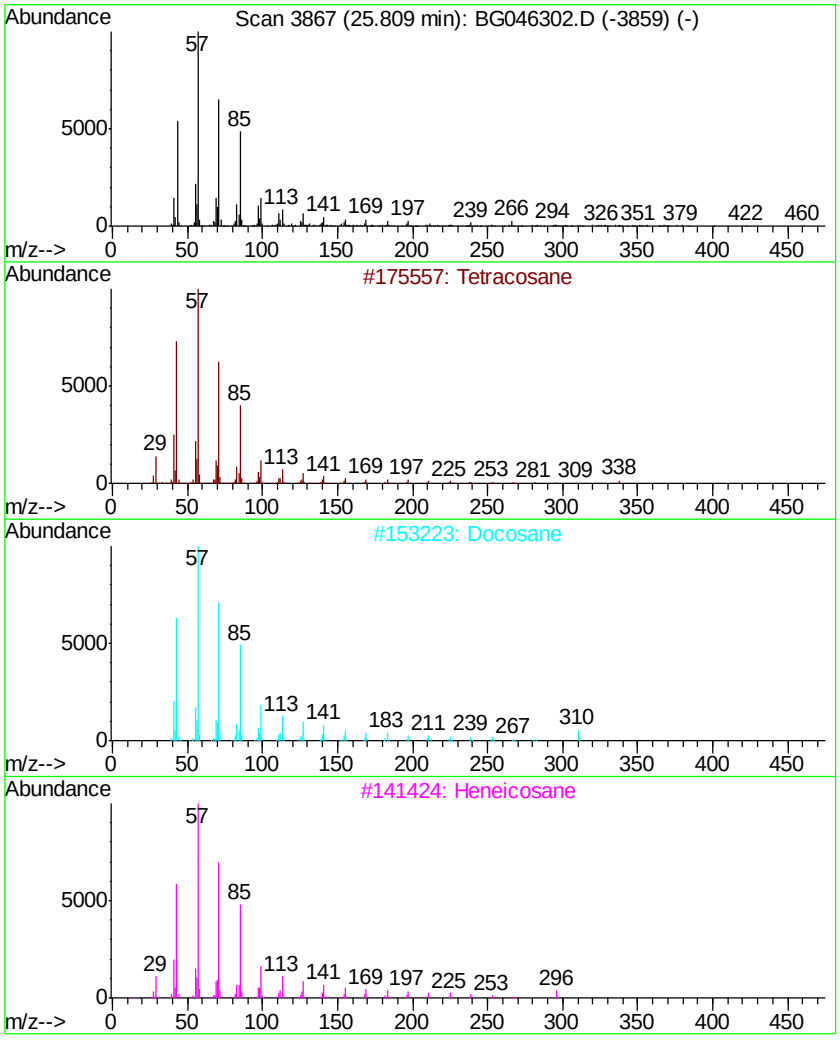
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

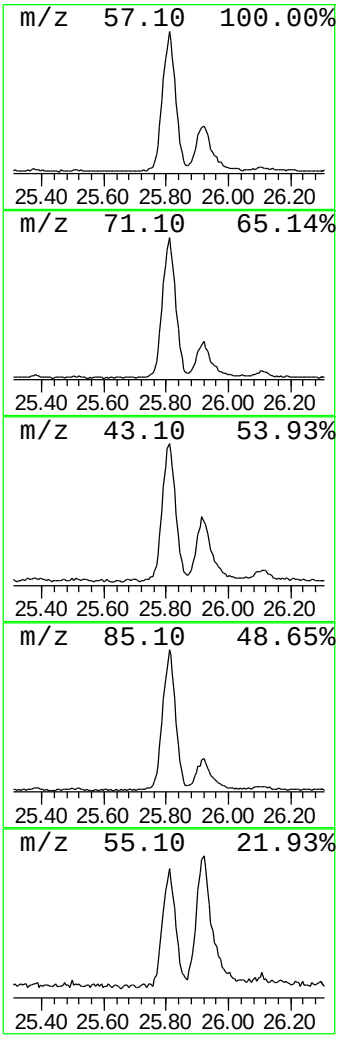
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	14.09 ng/ul	905664	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Docosane	310	C22H46	000629-97-0	97
3	Heneicosane	296	C21H44	000629-94-7	97
4	Tricosane	324	C23H48	000638-67-5	95
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

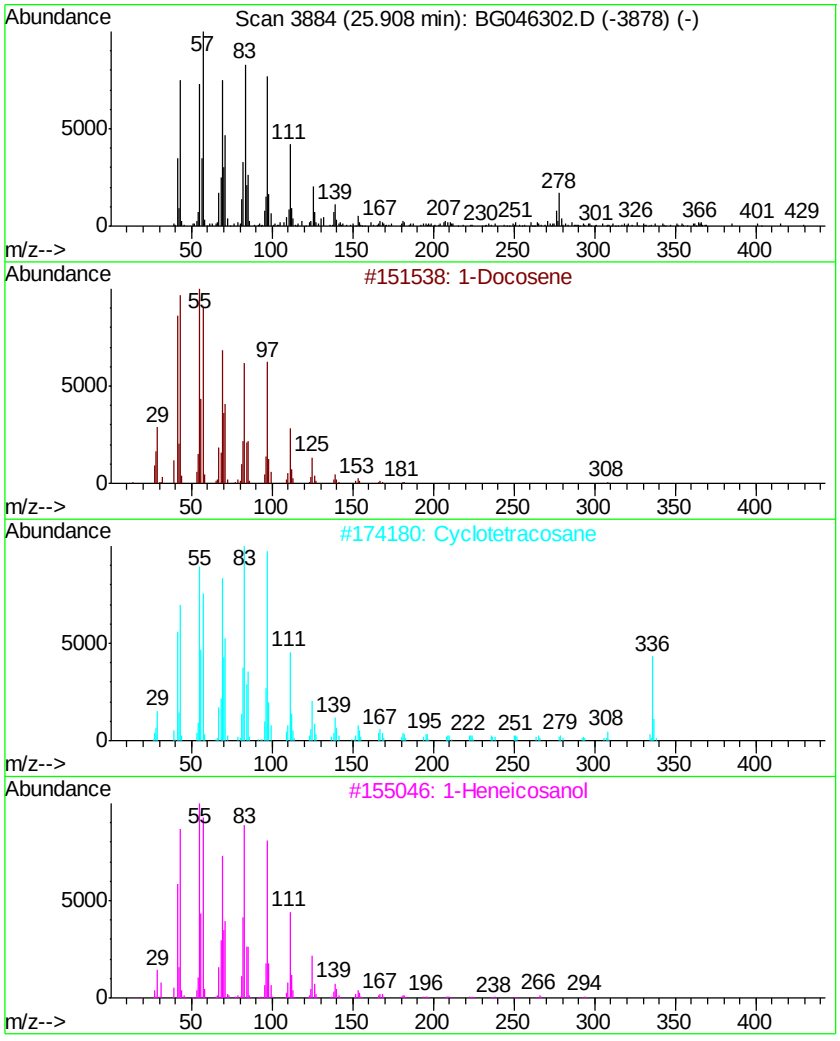
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

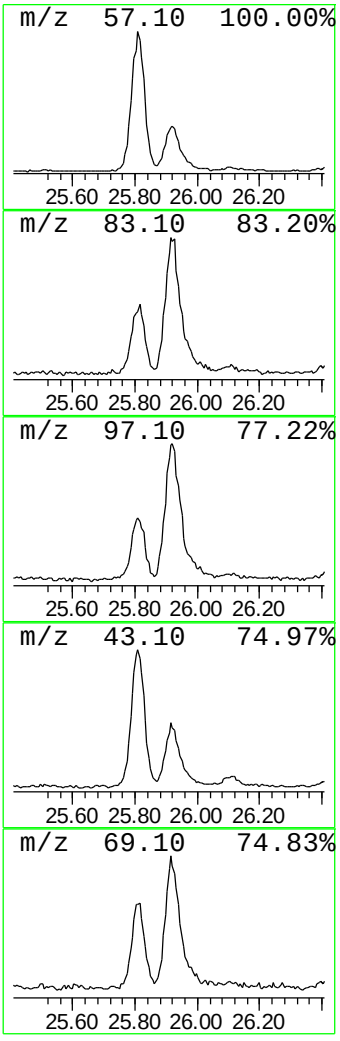
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.91	13.85 ng/ul	890389	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	Cyclotetracosane	336	C24H48	000297-03-0	97
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Octacosanol	410	C28H58O	000557-61-9	93
5	Behenic alcohol	326	C22H46O	000661-19-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM90

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	112.4	ng/ul	1971410	1	7.94	350776	20.0
4H-Imidazol-4-one...	7.11	25.8	ng/ul	452561	1	7.94	350776	20.0
unknown-01	7.27	17.9	ng/ul	314394	1	7.94	350776	20.0
unknown-02	7.48	25.4	ng/ul	444739	1	7.94	350776	20.0
Silane, dichlorom...	8.65	32.6	ng/ul	572179	1	7.94	350776	20.0
1H-Imidazole, 4-m...	9.09	23.5	ng/ul	411894	1	7.94	350776	20.0
unknown-03	9.82	12.9	ng/ul	355374	2	10.74	551375	20.0
unknown-04	10.87	15.6	ng/ul	429693	2	10.74	551375	20.0
p-Isopropoxyaniline	13.47	2.9	ng/ul	128101	3	14.57	885669	20.0
unknown-05	13.97	23.0	ng/ul	1019000	3	14.57	885669	20.0
Dimethyl phthalate	14.02	8.2	ng/ul	361594	3	14.57	885669	20.0
unknown-06	14.76	10.5	ng/ul	466820	3	14.57	885669	20.0
unknown-07	15.67	12.1	ng/ul	534067	3	14.57	885669	20.0
9H-Fluoren-9-one	16.96	2.2	ng/ul	133497	4	17.31	1209020	20.0
5H-Indeno[1,2-b]p...	17.71	2.2	ng/ul	135376	4	17.31	1209020	20.0
5H-Dibenzo[a,d]cy...	18.19	3.8	ng/ul	228028	4	17.31	1209020	20.0
n-Hexadecanoic acid	18.21	12.6	ng/ul	762334	4	17.31	1209020	20.0
Anthracene, 1-met...	18.38	6.4	ng/ul	384370	4	17.31	1209020	20.0
Anthracene, 2-met...	18.42	2.8	ng/ul	168171	4	17.31	1209020	20.0
Naphthalene, 2-ph...	18.68	3.3	ng/ul	197463	4	17.31	1209020	20.0
9,10-Anthracenedione	18.72	4.3	ng/ul	257253	4	17.31	1209020	20.0
Phenanthrene, 2,5...	19.10	4.0	ng/ul	244044	4	17.31	1209020	20.0
Phenanthrene, 2,7...	19.15	2.3	ng/ul	137889	4	17.31	1209020	20.0
Cyclopenta(def)ph...	19.23	4.0	ng/ul	241993	4	17.31	1209020	20.0
Pyrene, 1-methyl-	20.05	2.8	ng/ul	373235	5	21.55	2675730	20.0
Allopregnane-3.al...	20.21	2.2	ng/ul	294023	5	21.55	2675730	20.0
Pyrene, 4-methyl-	20.37	2.6	ng/ul	350999	5	21.55	2675730	20.0
11H-Benzo[a]fluor...	20.96	2.5	ng/ul	336200	5	21.55	2675730	20.0
Benzo[b]naphtho[2...	21.14	2.6	ng/ul	343438	5	21.55	2675730	20.0
(DEL) Alkane: Cyc...	21.23	9.2	ng/ul	1223710	5	21.55	2675730	20.0
7H-Benz[de]anthra...	21.29	2.8	ng/ul	369675	5	21.55	2675730	20.0
(DEL) Alkane: Str...	21.77	2.4	ng/ul	315431	5	21.55	2675730	20.0
(DEL) Alkane: Str...	22.37	4.6	ng/ul	620879	5	21.55	2675730	20.0
(DEL) Alkane: Str...	23.81	12.2	ng/ul	784658	6	24.66	1285590	20.0
(DEL) Alkane: Str...	25.81	14.1	ng/ul	905664	6	24.66	1285590	20.0
(DEL) Alkane: Str...	25.91	13.9	ng/ul	890389	6	24.66	1285590	20.0