LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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	3.143	4	9	28	rVB	1327850	2107169	66.88%	4.712%
2	3.401	49	53	60	rVB2	14006	23656	0.75%	0.053%
3	3.918	135	141	146	rBV	34063	52255	1.66%	0.117%
4	4.048	159	163	172	rVV	12425	21705	0.69%	0.049%
5	7.109	676	684	698	rBV	256571	464903	14.76%	1.040%
6	7.267	703	711	720	rBV	209478	354151	11.24%	0.792%
7	7.473	737	746	758	rBV	275653	475879	15.10%	1.064%
8	7.937	816	825	835	rBV	342432	583318	18.51%	1.304%
9	8.642	938	945	960	rBV	342264	595956	18.92%	1.333%
10	9.089	1013	1021	1033	rBV	259896	460609	14.62%	1.030%
11	9.812	1135	1144	1154	rBV	212875	386801	12.28%	0.865%
12	10.358	1230	1237	1253	rBV	360667	646089	20.51%	1.445%
13	10.734	1294	1301	1308	rBV	492243	870000	27.61%	1.945%
14	10.863	1315	1323	1340	rBV	234028	458831	14.56%	1.026%
15	13.889	1833	1838	1843	rBV4	11962	19773	0.63%	0.044%
16	13.971	1843	1852	1857	rVV	688464	1007486	31.98%	2.253%
17	14.018	1857	1860	1865	rVV	117287	156897	4.98%	0.351%
18	14.259	1893	1901	1913	rBV	802021	1288952	40.91%	2.882%
19	14.565	1945	1953	1960	rBV	791097	1257672	39.92%	2.812%
20	14.629	1960	1964	1972	rVB	35330	54810	1.74%	0.123%
21	14.765	1980	1987	1999	rBV	180847	341657	10.84%	0.764%
22	14.964	2016	2021	2028	rVB2	28177	48161	1.53%	0.108%
23	15.558	2115	2122	2128	rBV	1072897	1632762	51.82%	3.651%
24	15.611	2128	2131	2136	rVB	39420	58035	1.84%	0.130%
25	15.675	2136	2142	2150	rBV	224339	346980	11.01%	0.776%
26	15.910	2178	2182	2191	rVB2	21667	37045	1.18%	0.083%
27	16.057	2201	2207	2215	rVB2	23786	50231	1.59%	0.112%
28	16.286	2241	2246	2253	rBV5	11898	24059	0.76%	0.054%
29	16.592	2288	2298	2299	rBV7	10406	18070	0.57%	0.040%
30	16.621	2299	2303	2307	rVV6	12460	20833	0.66%	0.047%
31	16.844	2332	2341	2345	rBV5	20319	48221	1.53%	0.108%
32	16.886	2345	2348	2352	rVB3	16616	20689	0.66%	0.046%
33	16.962	2356	2361	2369	rVB	46532	84263	2.67%	0.188%
34	17.044	2369	2375	2380	rBV5	23198	49757	1.58%	0.111%

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Misc :
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Instrument : BNA_G
ClientSampleId : BFMD9

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	17.127	2385	2389	2399	rVB2	28359	52291	1.66%	0.117%
36	17.309	2414	2420	2424	rBV	1030697	1585189	50.31%	3.545%
37	17.350	2424	2427	2432	rVB	509155	686162	21.78%	1.534%
38	17.409	2432	2437	2442	rBV	1185291	1747666	55.47%	3.908%
39	17.497	2448	2452	2458	rBV5	16181	27664	0.88%	0.062%
40	17.708	2480	2488	2492	rBV	61386	106831	3.39%	0.239%
41	17.826	2505	2508	2512	rVB3	15895	18959	0.60%	0.042%
42	17.890	2514	2519	2523	rVB3	18249	27791	0.88%	0.062%
43	18.184	2564	2569	2573	rVV	118488	185707	5.89%	0.415%
44	18.231	2573	2577	2585	rVV	181505	272461	8.65%	0.609%
45	18.313	2586	2591	2596	rVV	67077	104578	3.32%	0.234%
46	18.378	2596	2602	2606	rVV2	142711	282750	8.97%	0.632%
47	18.413	2606	2608	2613	rVB	84305	111083	3.53%	0.248%
48	18.484	2617	2620	2623	rVV4	13531	20950	0.66%	0.047%
49	18.531	2625	2628	2631	rVB5	18550	22628	0.72%	0.051%
50	18.619	2640	2643	2648	rVB6	14624	23377	0.74%	0.052%
51	18.683	2649	2654	2657	rVV	91228	131715	4.18%	0.295%
52	18.719	2657	2660	2666	rVB	83371	114288	3.63%	0.256%
53	18.807	2672	2675	2682	rVB5	14025	22628	0.72%	0.051%
54	18.930	2692	2696	2700	rVB2	37573	47652	1.51%	0.107%
55	18.983	2701	2705	2707	rBV	28550	32328	1.03%	0.072%
56	19.018	2707	2711	2715	rVB2	40357	53080	1.68%	0.119%
57	19.101	2719	2725	2729	rBV	97125	166251	5.28%	0.372%
58	19.165	2729	2736	2738	rBV3	47039	89237	2.83%	0.200%
59	19.236	2744	2748	2756	rVB	92128	160360	5.09%	0.359%
60	19.359	2763	2769	2776	rVB	1038481	1476136	46.85%	3.301%
61	19.459	2783	2786	2791	rVB3	36545	51189	1.62%	0.114%
62	19.506	2791	2794	2798	rBV2	29879	41100	1.30%	0.092%
63	19.559	2798	2803	2806	rBV4	37734	68725	2.18%	0.154%
64	19.694	2820	2826	2829	rBV2	1679388	2724735	86.48%	6.093%
65	19.723	2829	2831	2838	rVV	973234	1138368	36.13%	2.545%
66	19.794	2839	2843	2850	rVB2	87910	150080	4.76%	0.336%
67	19.900	2857	2861	2867	rVB	79629	113822	3.61%	0.255%
68	19.953	2868	2870	2877	rVB4	34914	53022	1.68%	0.119%
69	20.047	2879	2886	2892	rBV4	125945	349490	11.09%	0.781%
70	20.176	2904	2908	2911	rBV3	81705	144649	4.59%	0.323%
71	20.211	2911	2914	2924	rVB	215276	322880	10.25%	0.722%

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

72	20.311	2927	2931	2935	rBV	137683	185352	5.88%	0.414%
73	20.370	2936	2941	2946	rVV2	195797	329222	10.45%	0.736%
74	20.411	2946	2948	2952	rVB4	35947	37408	1.19%	0.084%
75	20.452	2952	2955	2960	rBV2	49971	65466	2.08%	0.146%
76	20.511	2961	2965	2968	rBV	108629	136732	4.34%	0.306%
77	20.558	2969	2973	2977	rVB2	89731	125982	4.00%	0.282%
78	20.805	3012	3015	3018	rBV5	41721	57096	1.81%	0.128%
79	20.963	3038	3042	3049	rVB	158386	250880	7.96%	0.561%
80	21.145	3066	3073	3077	rBV2	131801	305778	9.71%	0.684%
81	21.186	3077	3080	3083	rVV2	140122	216281	6.86%	0.484%
82	21.222	3083	3086	3093	rVV3	284517	587240	18.64%	1.313%
83	21.286	3094	3097	3106	rVB2	140442	264538	8.40%	0.592%
84	21.551	3134	3142	3147	rBV4	1332226	3150544	100.00%	7.045%
85	21.604	3147	3151	3159	rVB	610578	1043032	33.11%	2.332%
86	21.756	3172	3177	3182	rBV3	100281	244770	7.77%	0.547%
87	21.950	3205	3210	3217	rBV2	131034	279069	8.86%	0.624%
88	22.268	3260	3264	3270	rVB	219642	358611	11.38%	0.802%
89	22.338	3272	3276	3280	rBV	110552	223755	7.10%	0.500%
90	22.526	3305	3308	3312	rBV3	73890	110908	3.52%	0.248%
91	23.689	3497	3506	3513	rBV	529679	1826853	57.99%	4.085%
92	23.807	3521	3526	3530	rBV	109790	192274	6.10%	0.430%
93	23.860	3531	3535	3541	rVV2	95556	189053	6.00%	0.423%
94	23.930	3542	3547	3555	rVB	166558	355665	11.29%	0.795%
95	24.377	3617	3623	3628	rBV	264762	626951	19.90%	1.402%
96	24.453	3629	3636	3642	rVV	701900	1788722	56.78%	4.000%
97	24.518	3642	3647	3660	rVB	561801	1437095	45.61%	3.213%
98	24.671	3663	3673	3679	rBV2	658114	1857184	58.95%	4.153%
99	25.810	3860	3867	3877	rVB3	176200	519596	16.49%	1.162%
100	28.184	4263	4271	4290	rVB3	244323	1160344	36.83%	2.595%

Sum of corrected areas: 44721898

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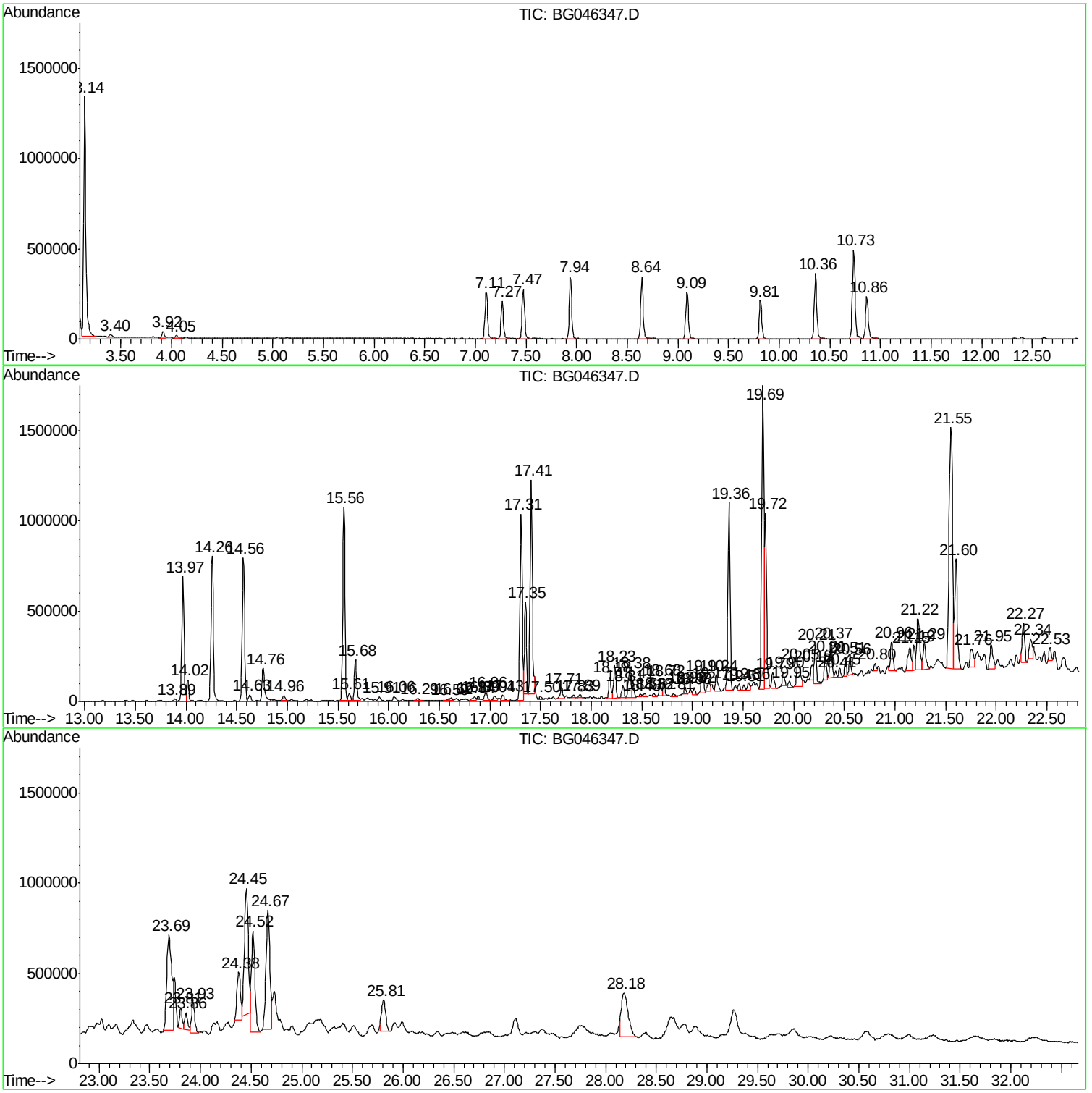
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BFMD9

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

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

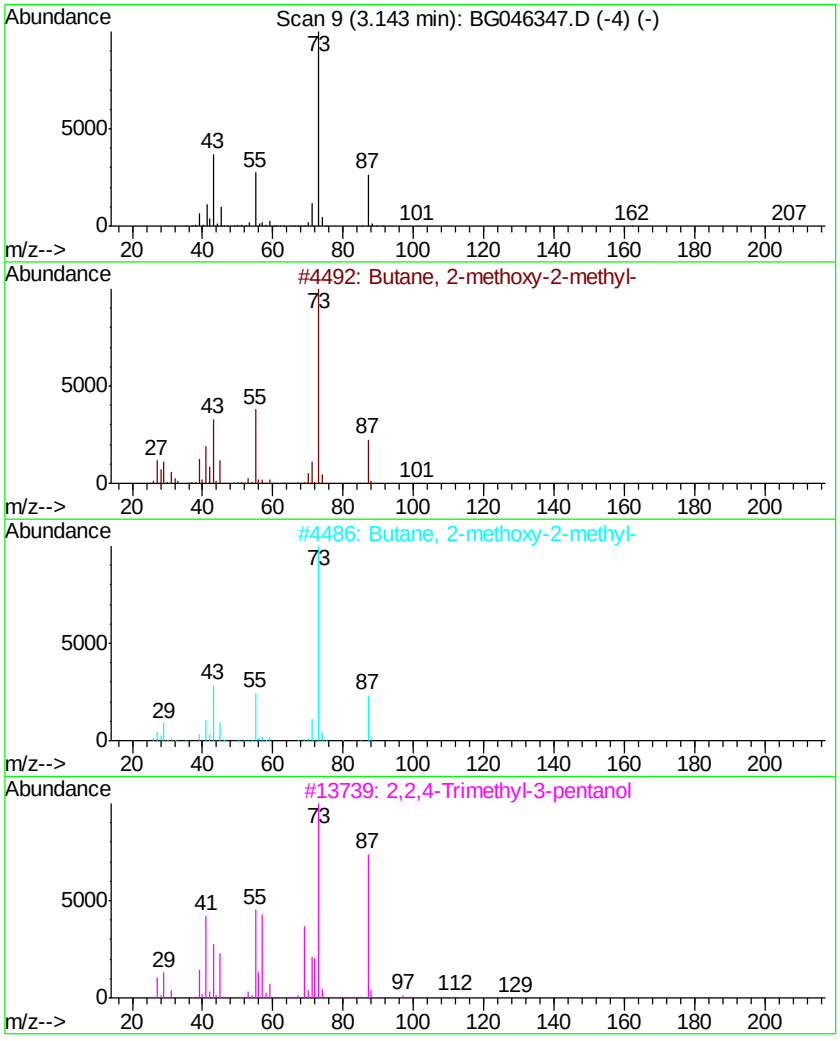
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

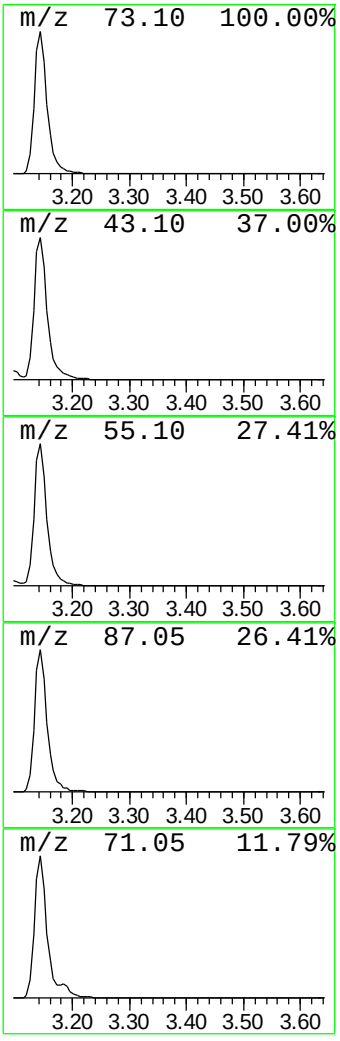
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	72.25 ng/ul	2107170	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

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Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

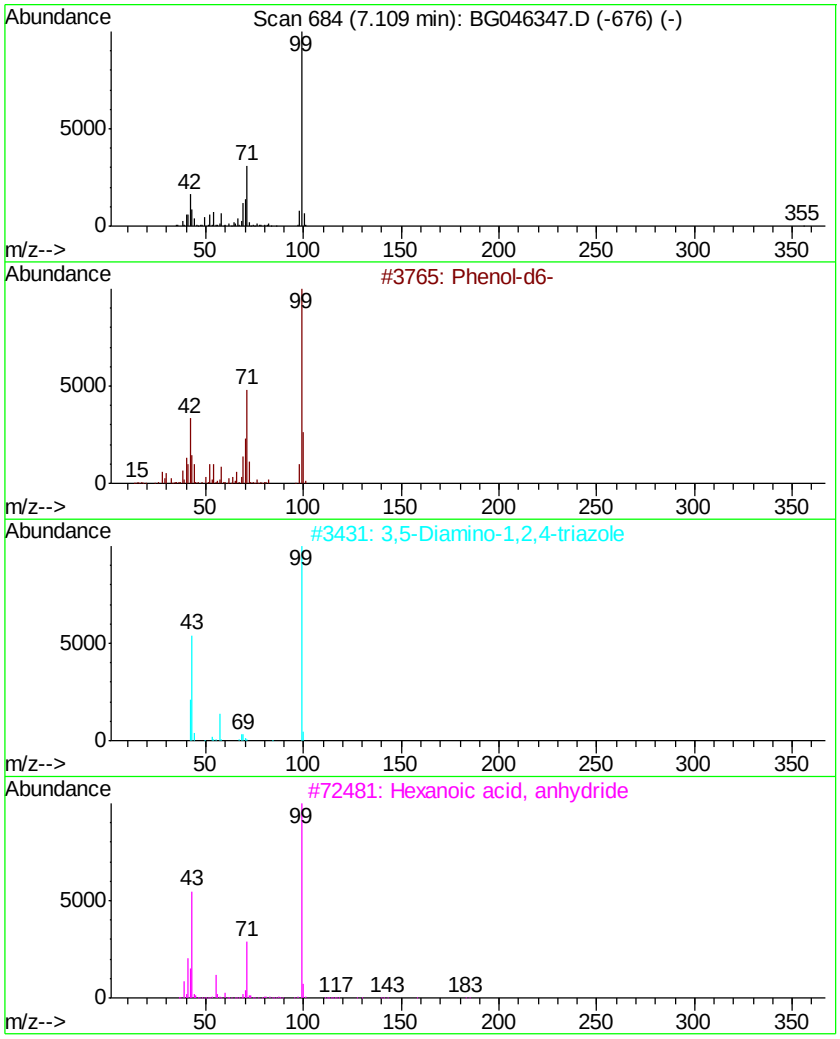
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

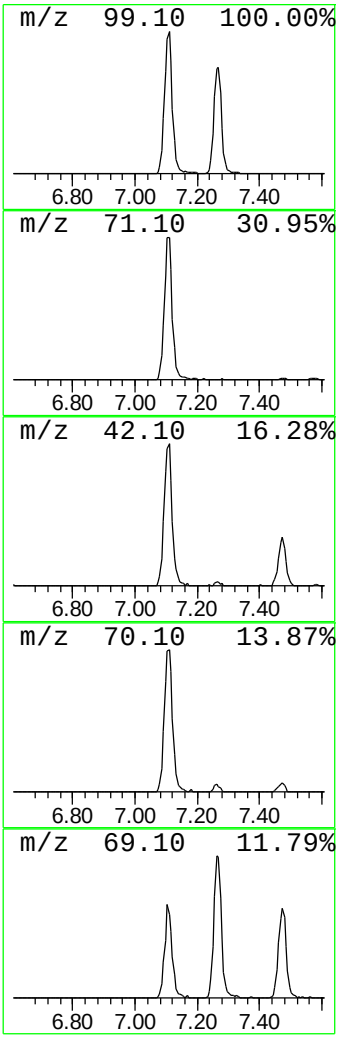
****

Peak Number 2 3,5-Diamino-1,2,4-triazole Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	15.94 ng/ul	464903	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol-d6-	100	C6D6O	013127-88-3	50
2	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	50
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	45
4	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
5	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	42





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

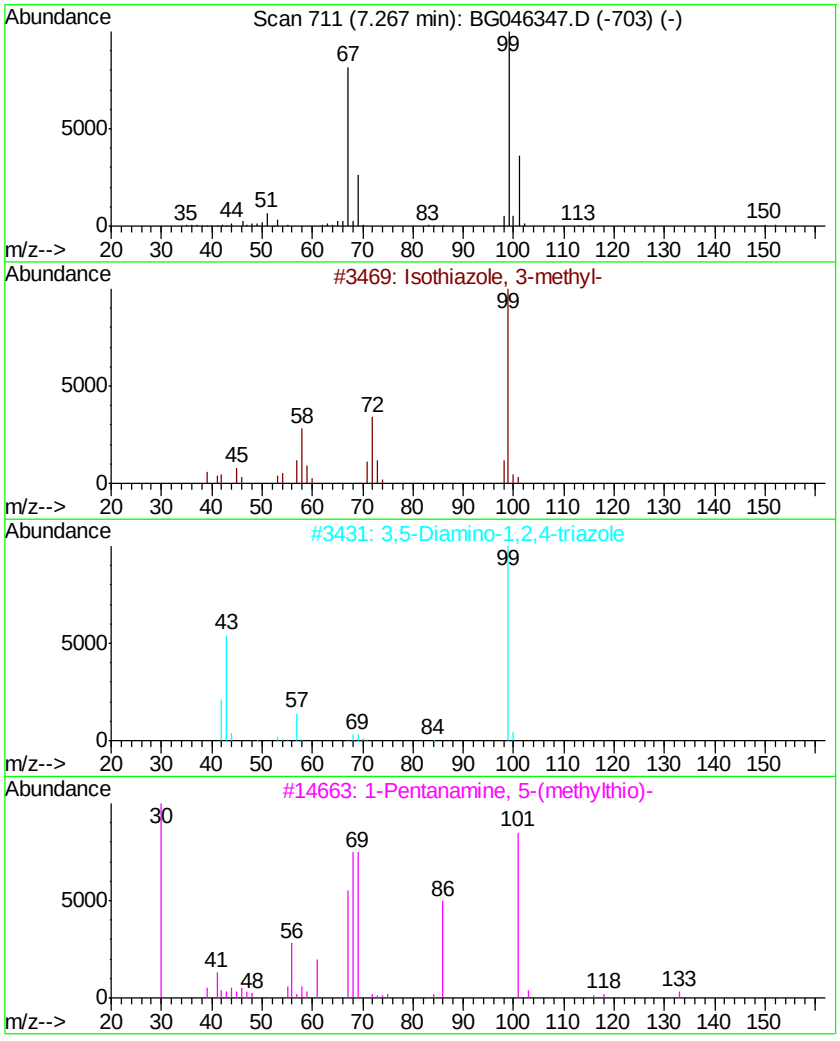
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

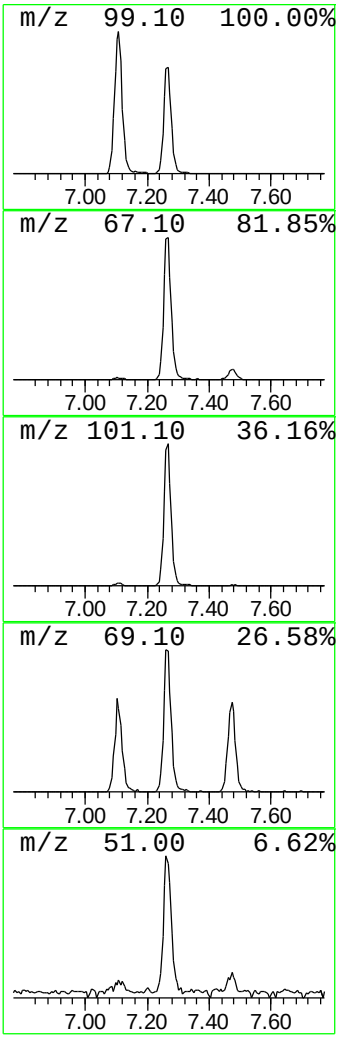
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	12.14 ng/ul	354151	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
2	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
3	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
4	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9
5	Methyl 2-butynoate	98	C5H6O2	023326-27-4	5





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Instrument : BNA_G
ClientSampleId : BFMD9

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

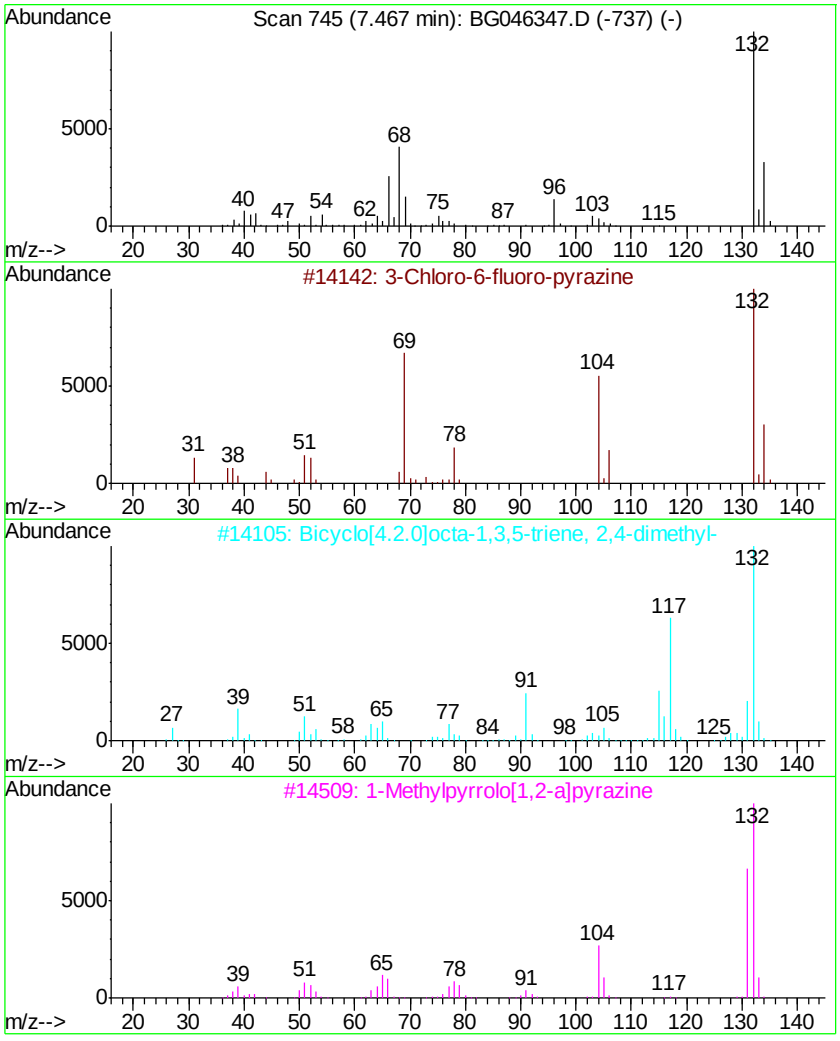
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

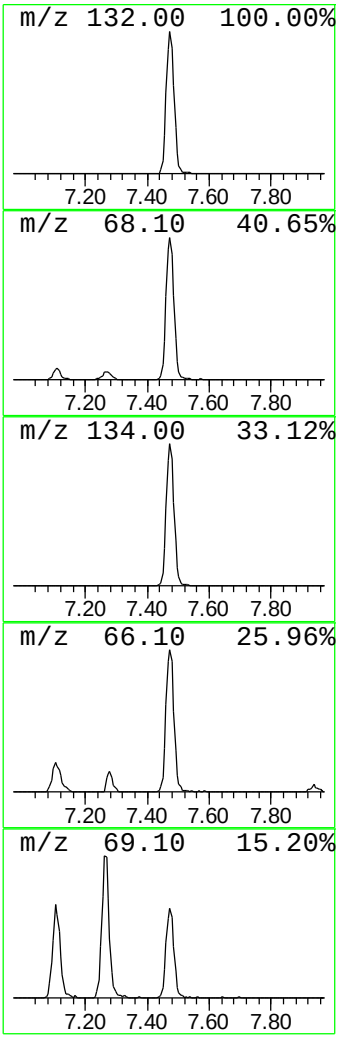
****

Peak Number 4 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	16.32 ng/ul	475879	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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMD9

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

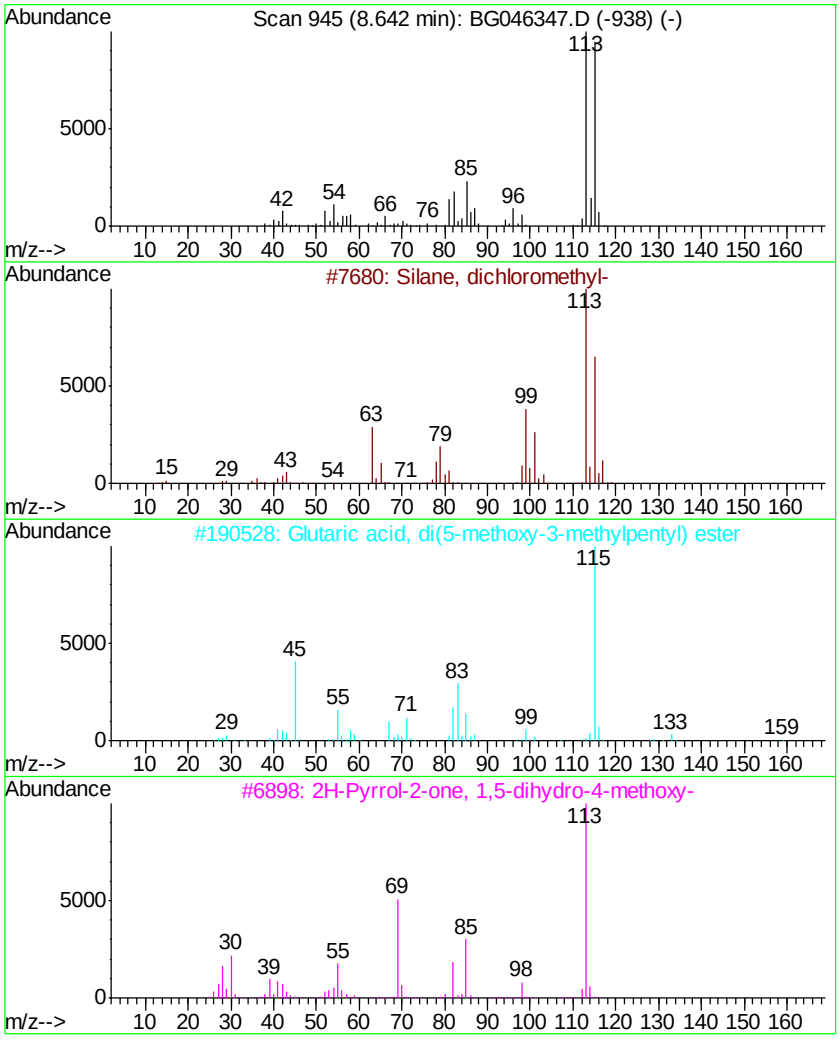
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

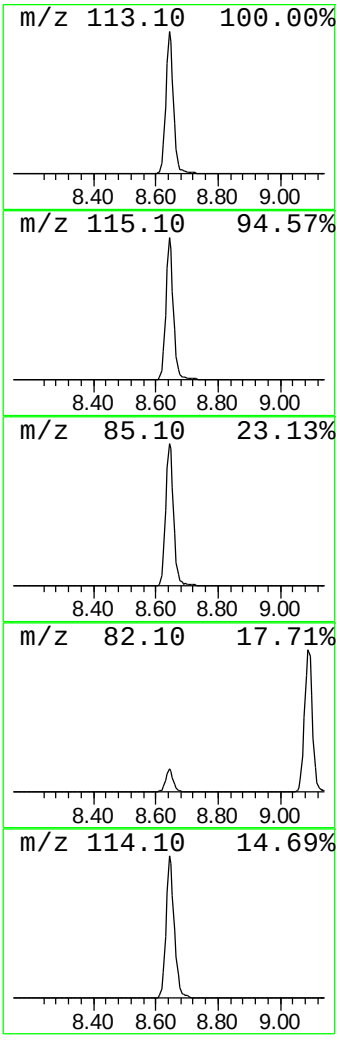
****

Peak Number 5 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	20.43 ng/ul	595956	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	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000360-08-3	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	32
5	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	25





Library Search Compound Report

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Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

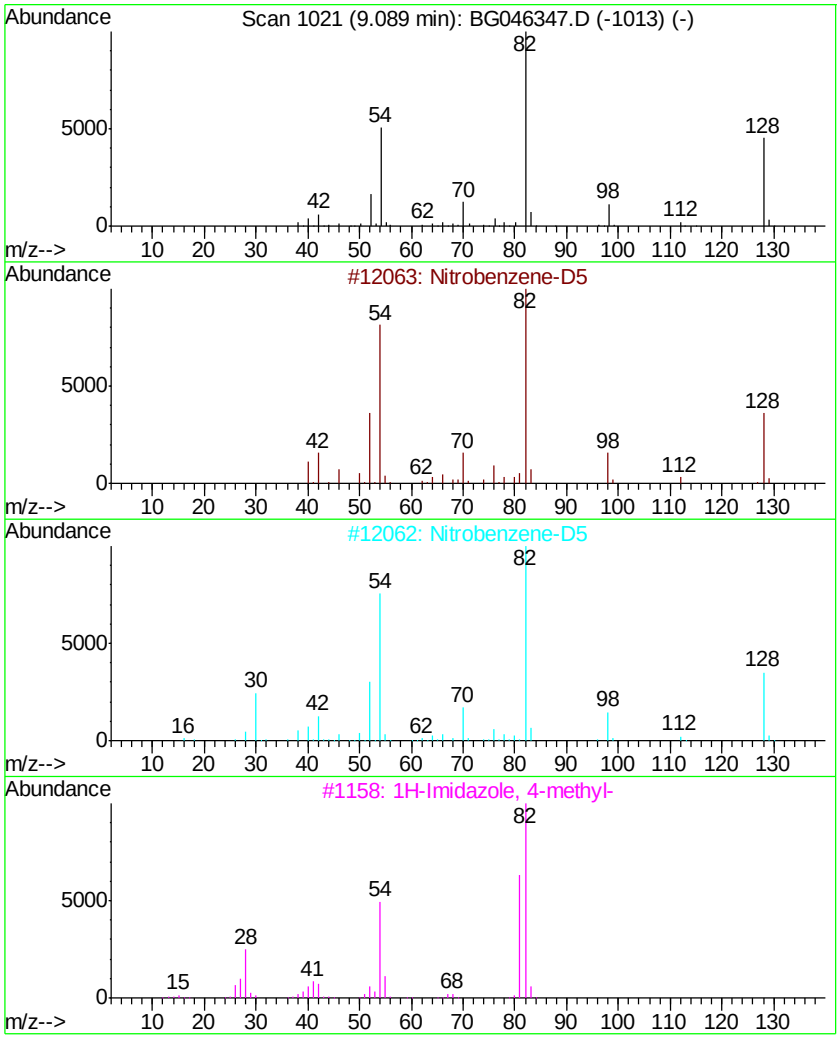
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

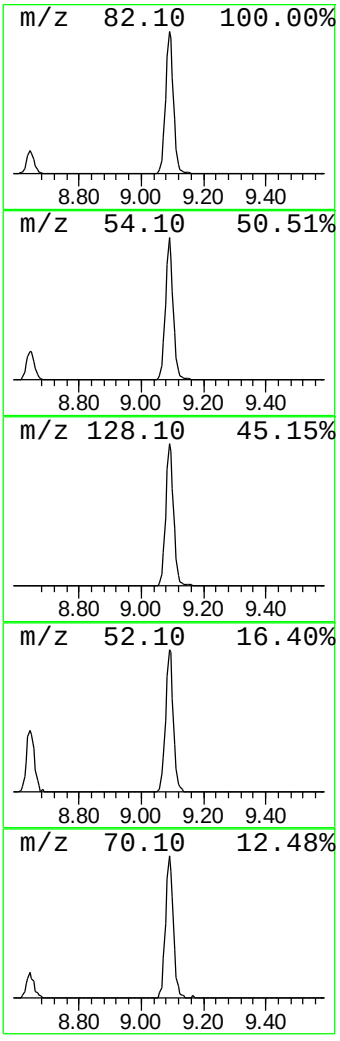
****

Peak Number 6 unknown-04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	15.79 ng/ul	460609	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	56
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	47
3	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	9
5	Maleic anhydride	98	C4H2O3	000108-31-6	9





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Operator : CG/JU
Sample : L3633-11
Misc :
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Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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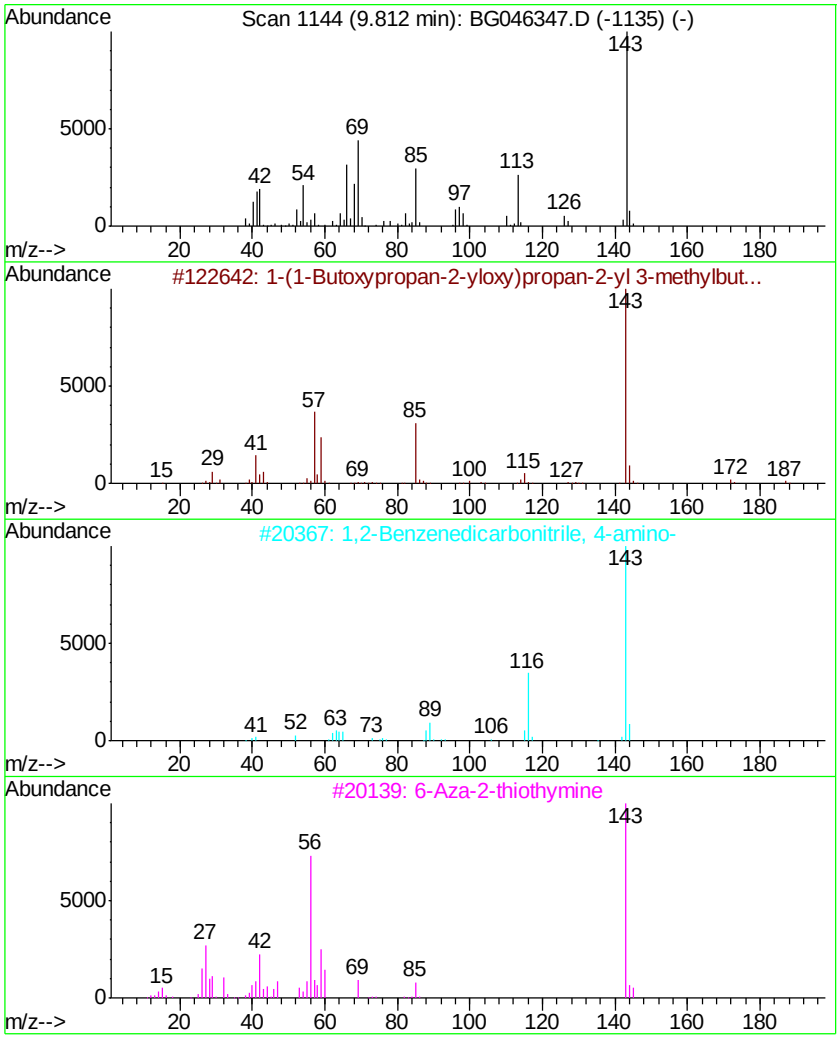
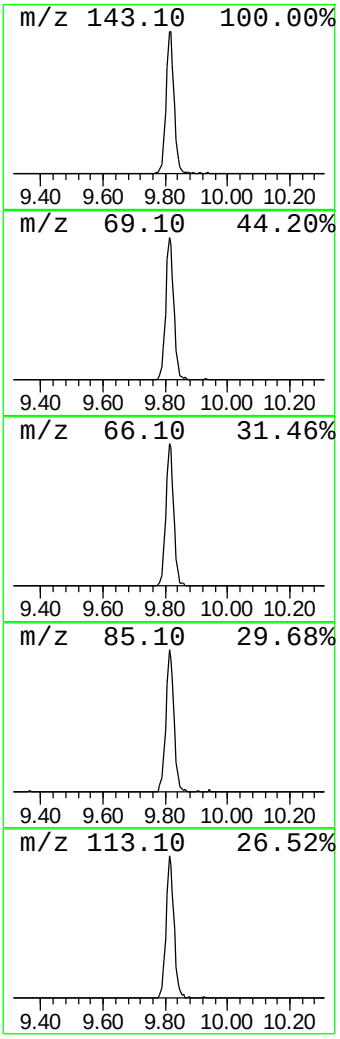
Peak Number 7 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	8.89 ng/ul	386801	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	27
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	18
3	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	12
5	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10





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Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

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

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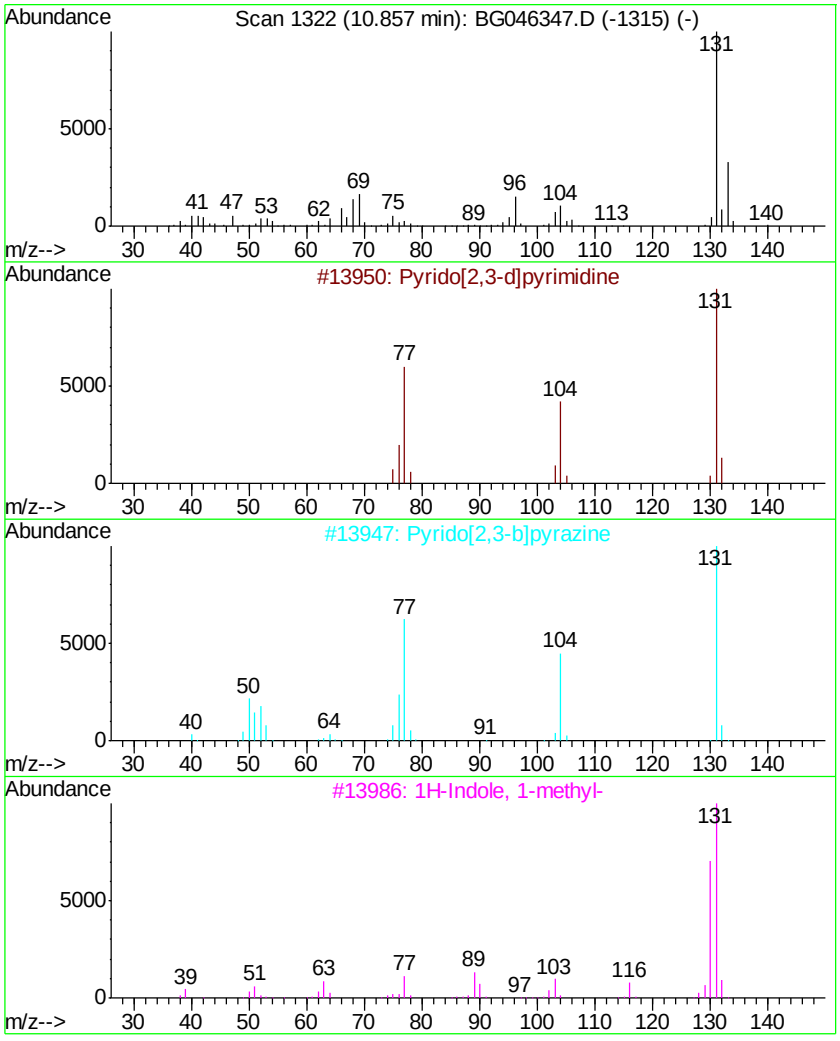
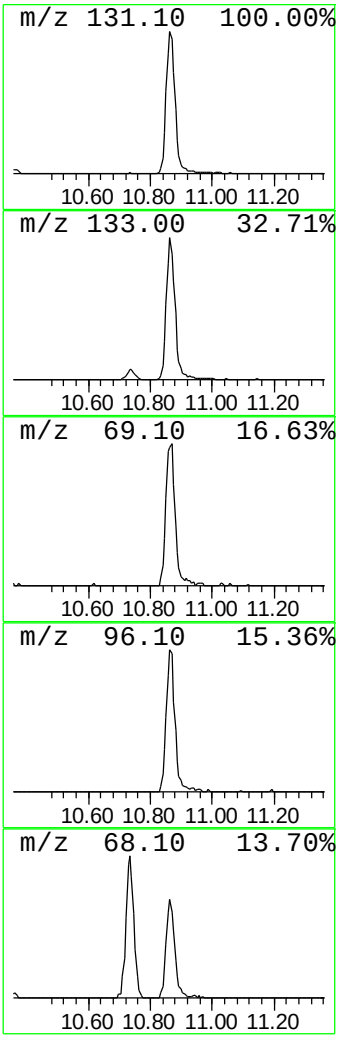
Peak Number 8 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	10.55 ng/ul	458831	Naphthalene-d8	10.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]pyrimidine	131	C7H5N3	000254-61-5	40
2	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	38
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	38
4	Benzene, (1,2-dicyclopropyl-2-ph...	262	C20H22	110330-90-0	33
5	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33





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Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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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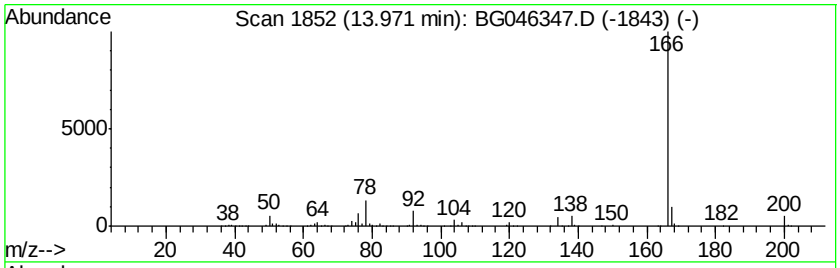
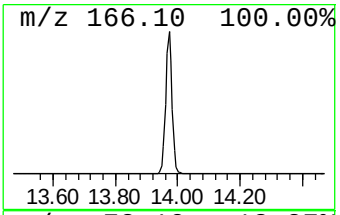
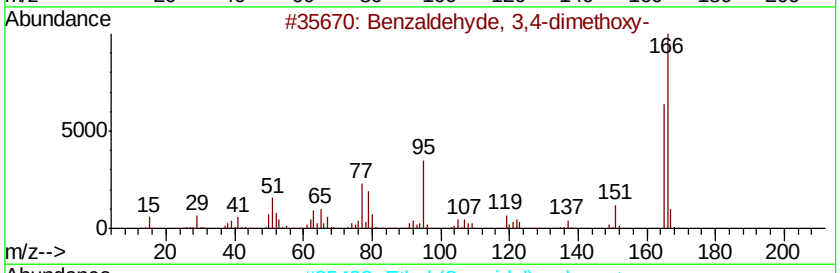
Peak Number 9 unknown-07 Concentration Rank 4

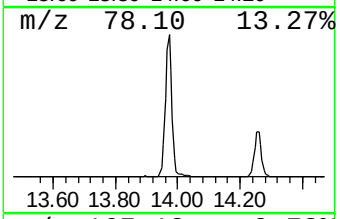
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	16.02 ng/ul	1007490	Acenaphthene-d10	14.56

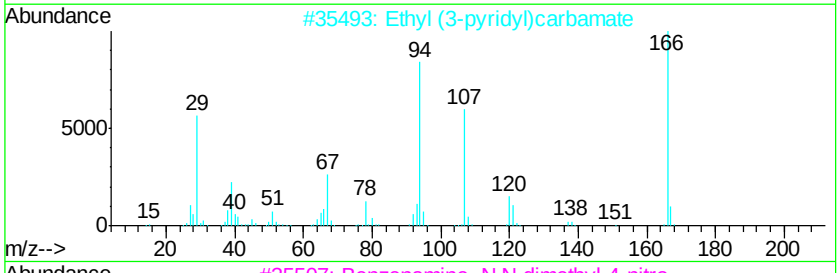
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	39
3	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
4	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
5	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9

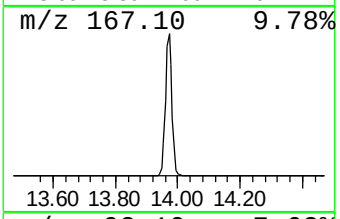


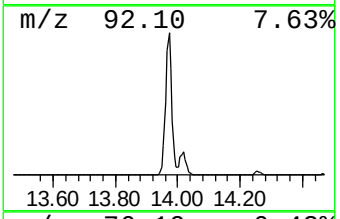


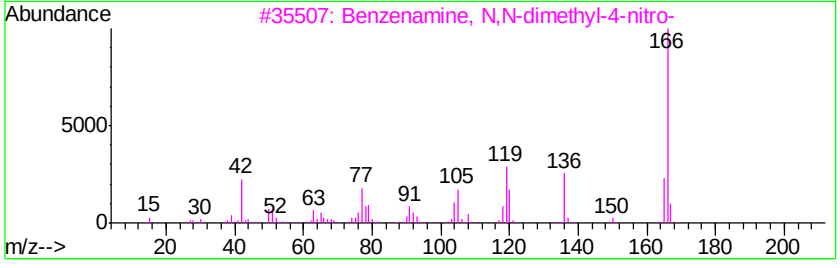


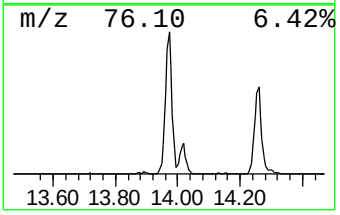












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Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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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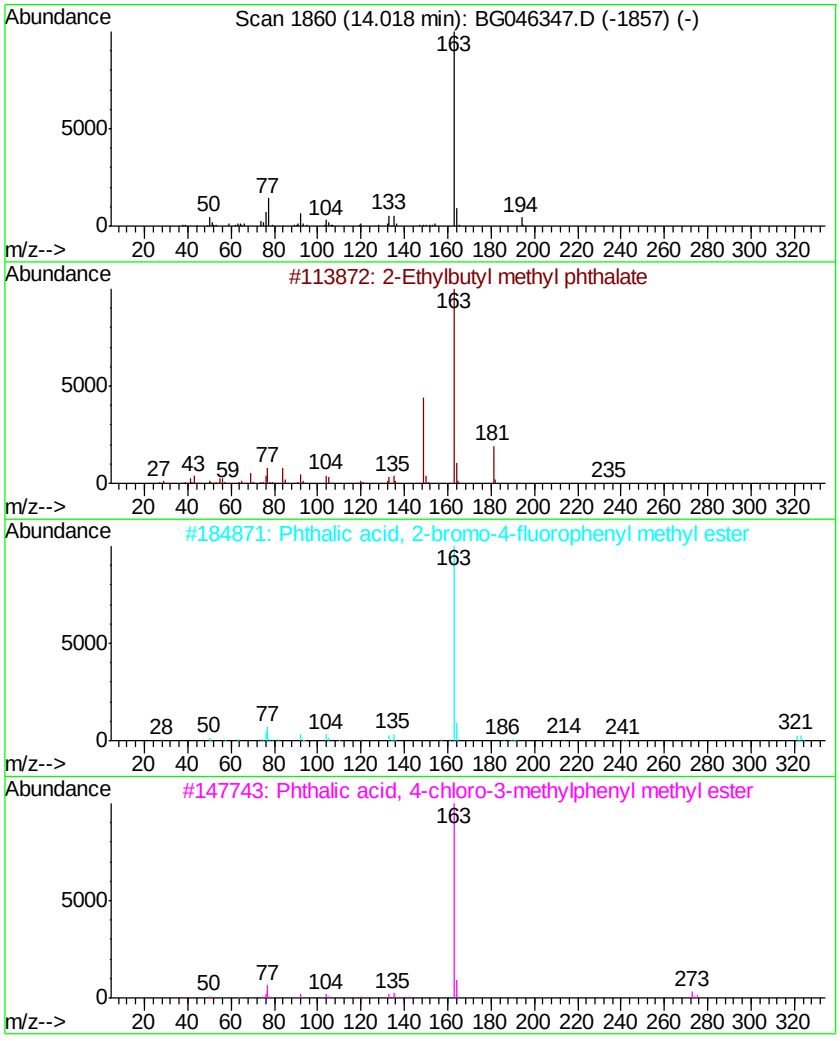
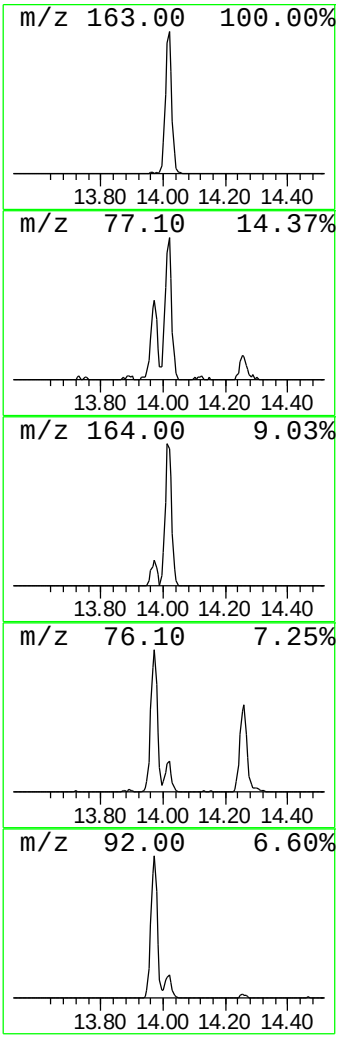
Peak Number 10 2-Ethylbutyl methyl phthalate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.50 ng/ul	156897	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylbutyl methyl phthalate	264	C15H20O4	1000373-89-6	83
2	Phthalic acid, 2-bromo-4-fluorop...	352	C15H10BrFO4	1000315-62-3	78
3	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	78
4	1,2-Benzenedicarboxylic acid, bu...	236	C13H16O4	034006-76-3	74
5	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	72





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Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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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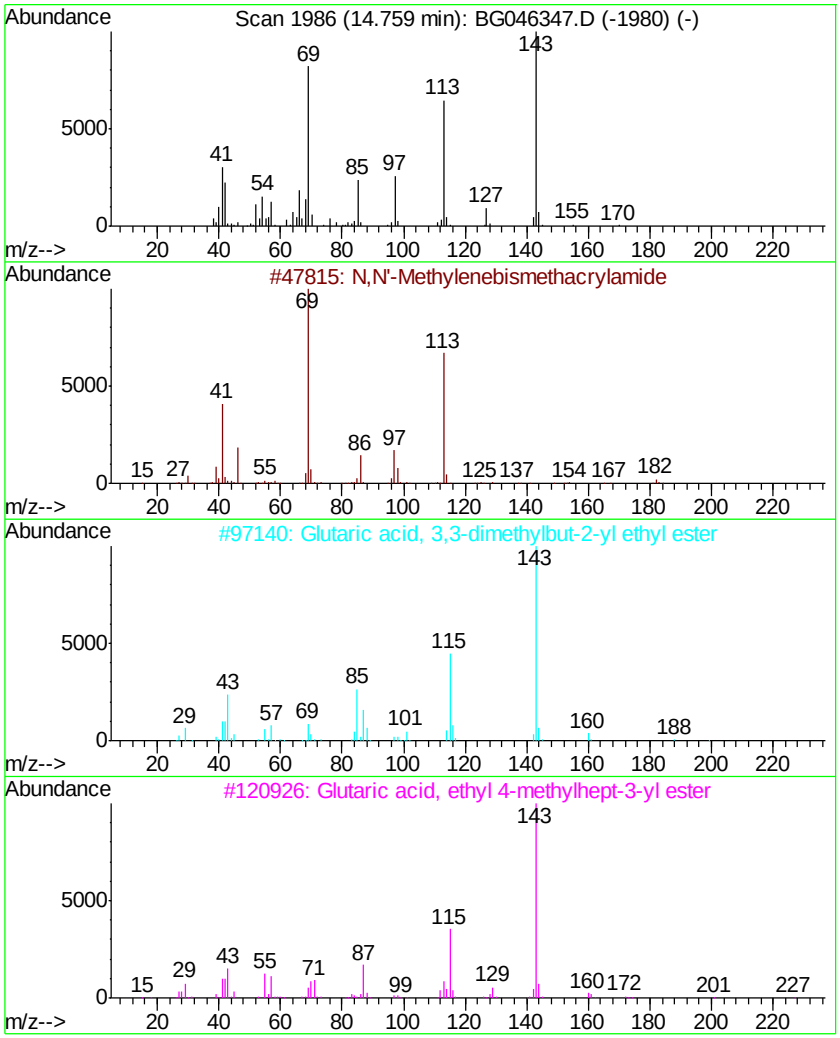
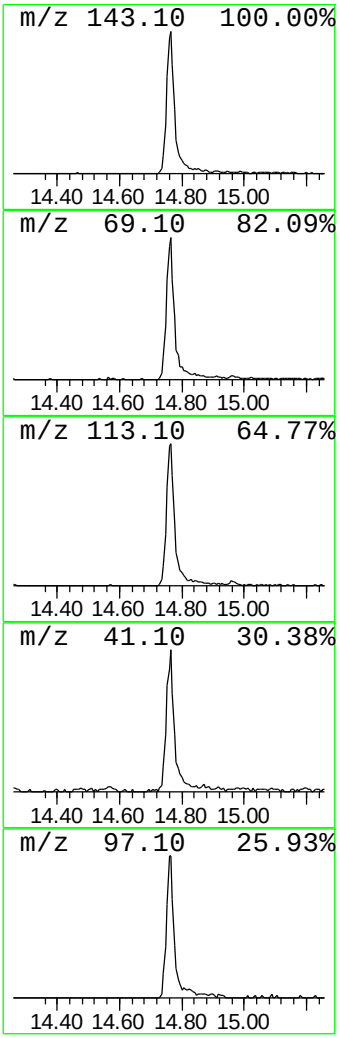
Peak Number 11 unknown-08 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	5.43 ng/ul	341657	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	25
2	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	25
3	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	16
4	Phenol, 3-amino-2-chloro-	143	C6H6ClNO	056962-01-7	14
5	Glutaric acid, ethyl 2-octylester	272	C15H28O4	1000358-15-5	12





Library Search Compound Report

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Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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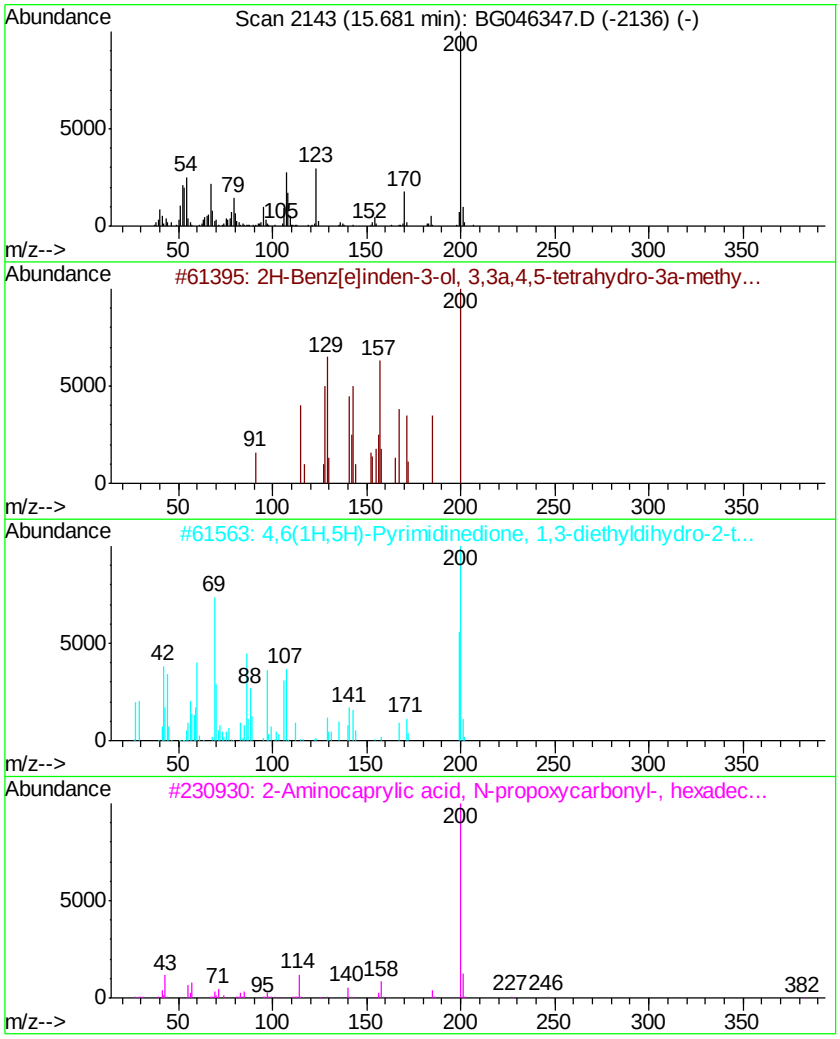
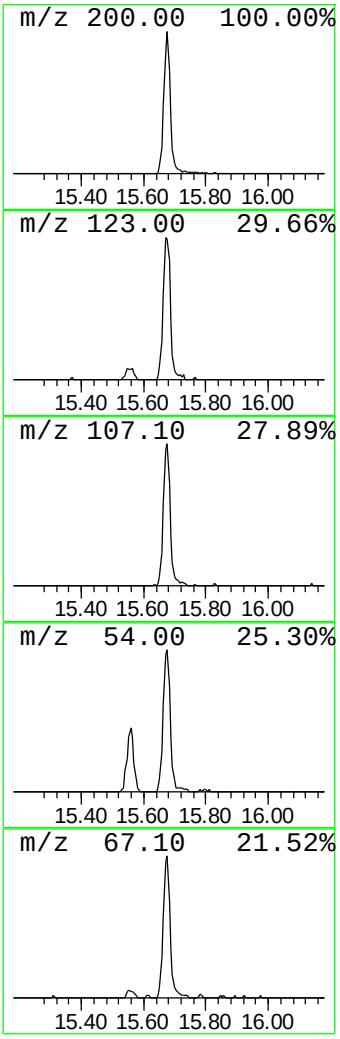
Peak Number 12 unknown-09 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	5.52 ng/ul	346980	Acenaphthene-d10	14.56

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	38
2	4,6(1H,5H)-Pyrimidinedione, 1,3-...	200	C8H12N2O2S	005217-47-0	14
3	2-Aminocaprylic acid, N-propoxyc...	469	C28H55NO4	1000325-43-2	14
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
5	l-Leucine, N-isobutoxycarbonyl-N...	441	C26H51NO4	1000321-87-7	10





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Operator : CG/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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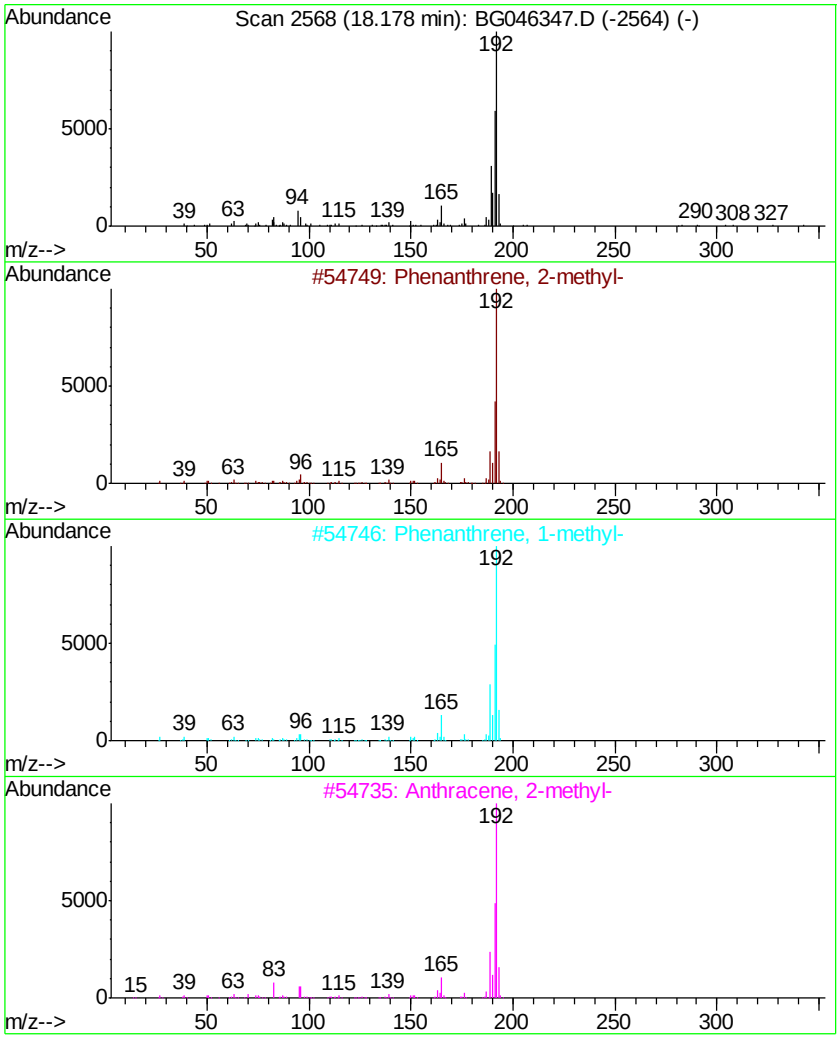
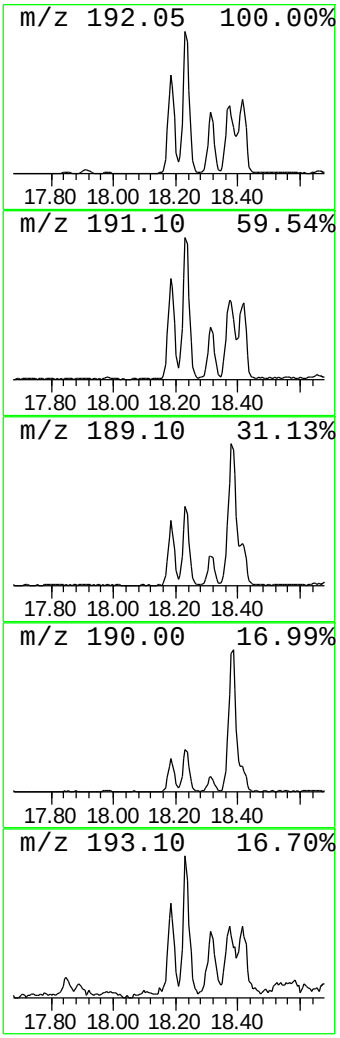
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.34 ng/ul	185707	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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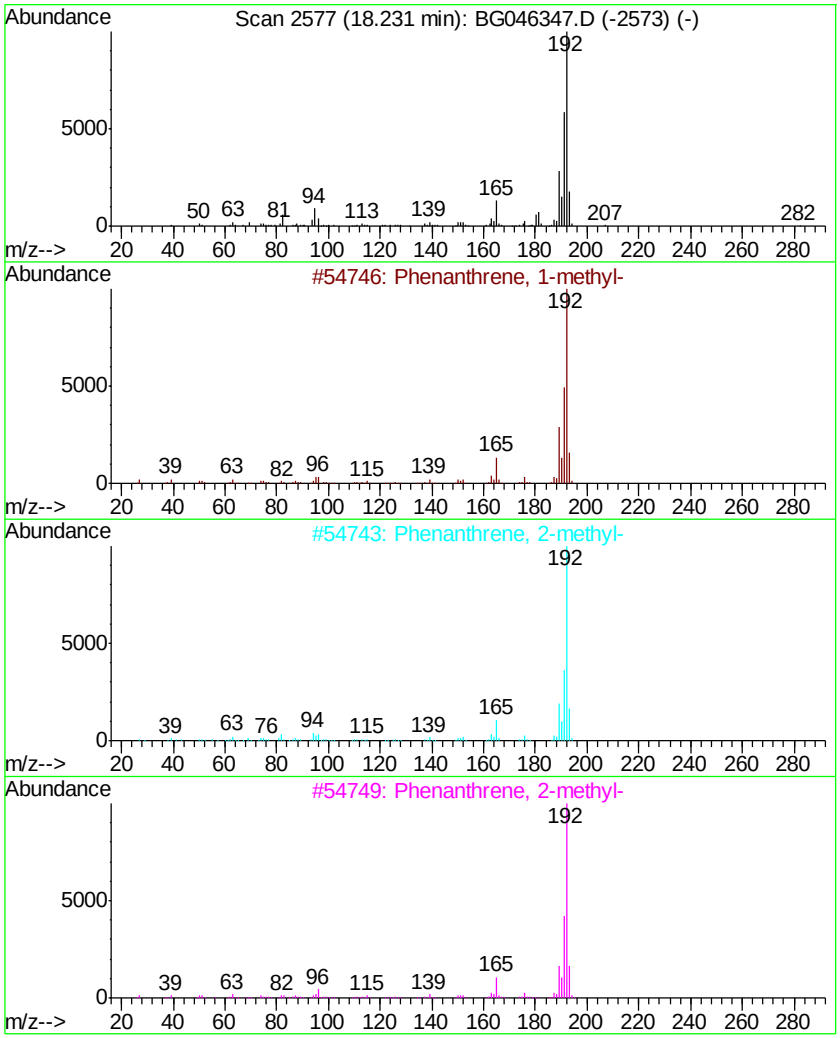
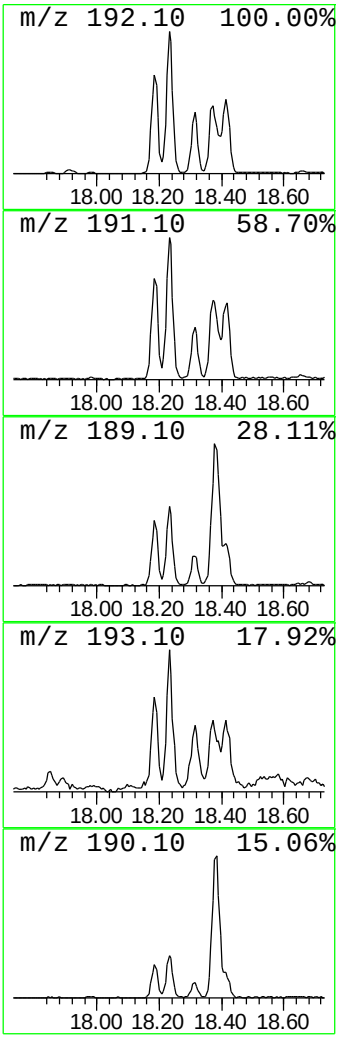
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.44 ng/ul	272461	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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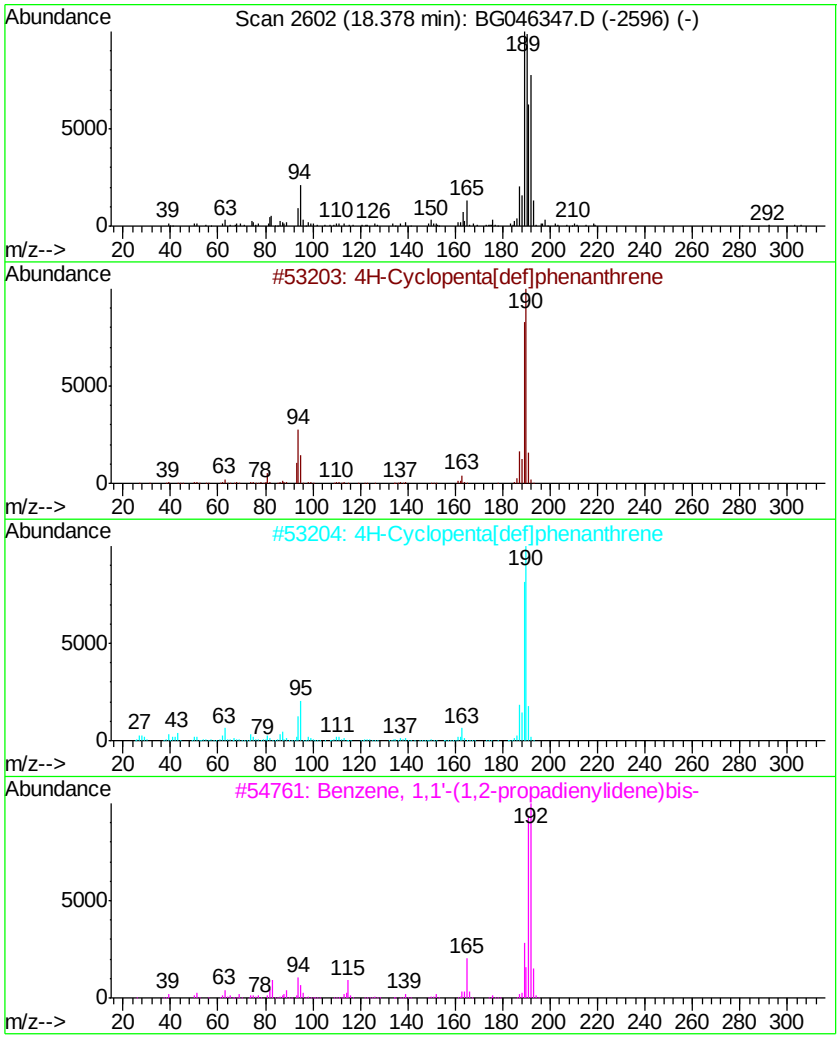
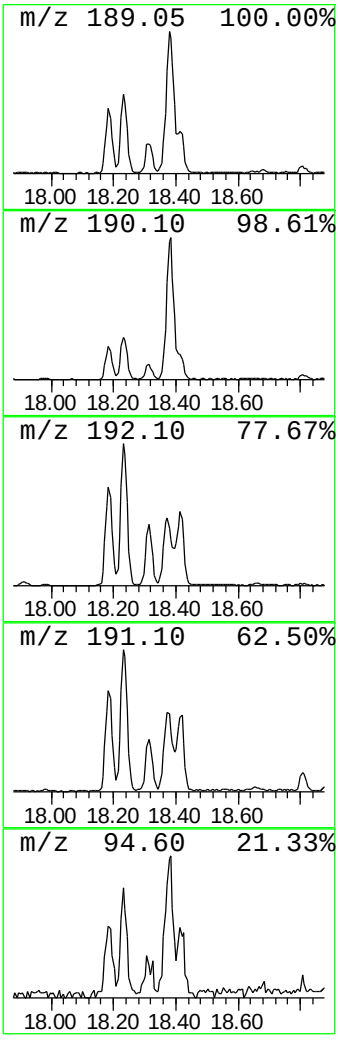
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	3.57 ng/ul	282750	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30





Library Search Compound Report

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Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

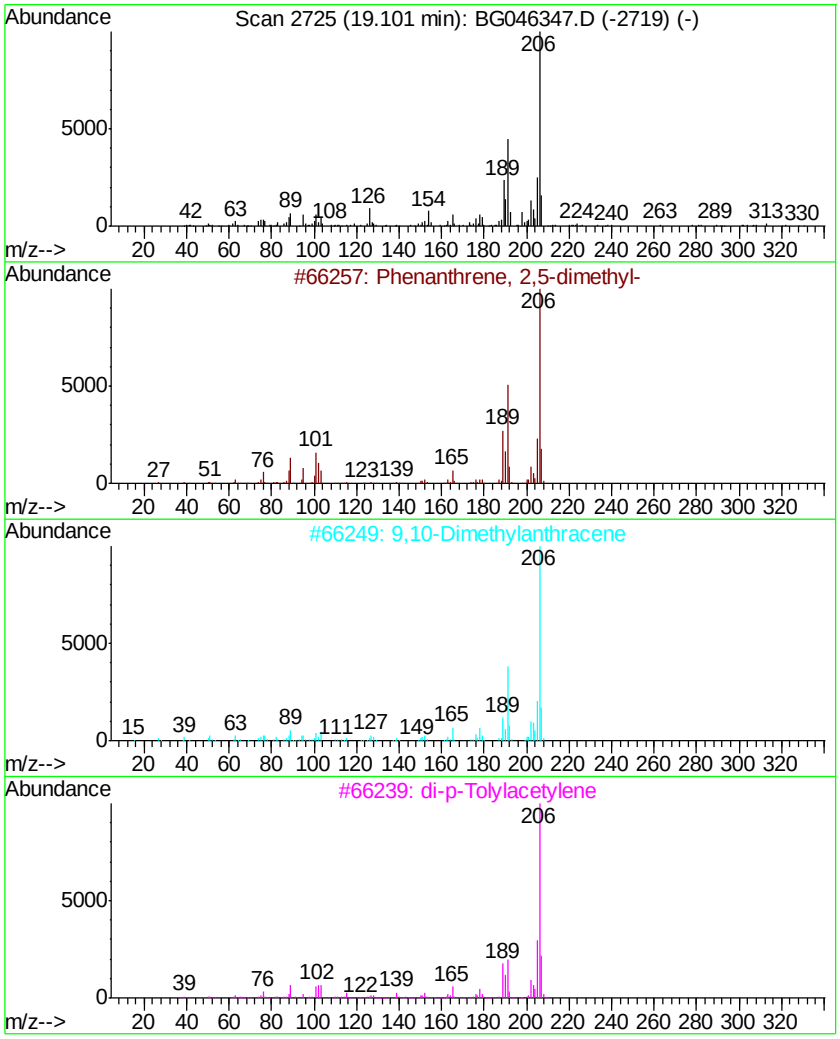
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

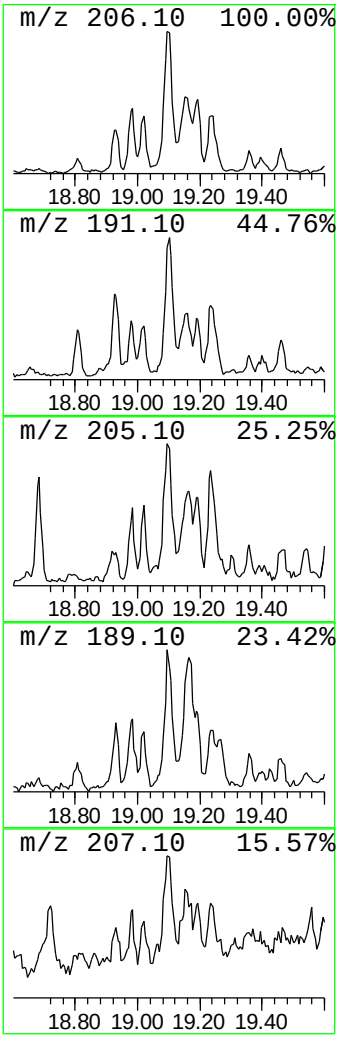
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.10 ng/ul	166251	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	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

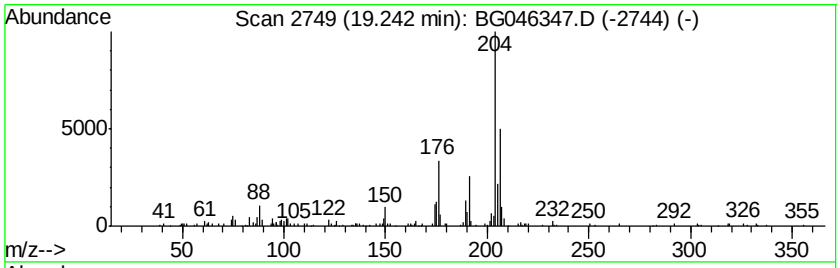
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

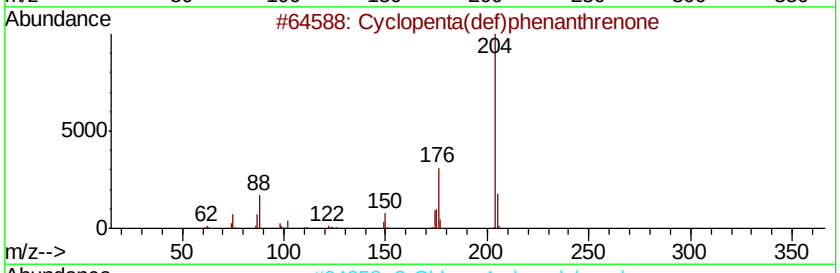
****

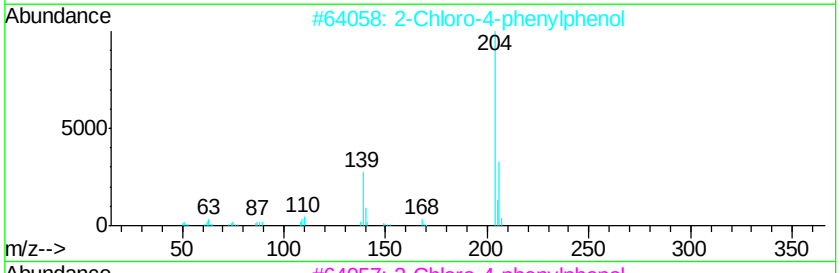
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 27

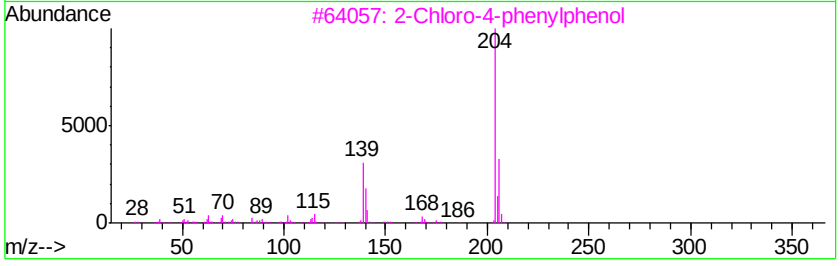
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.02 ng/ul	160360	Phenanthrene-d10	17.31

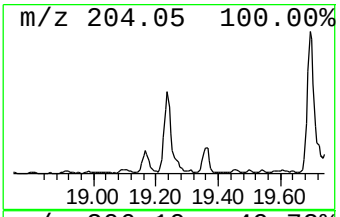
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43

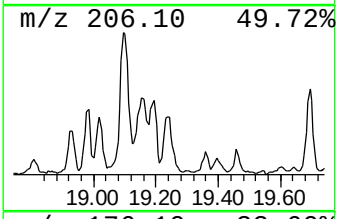


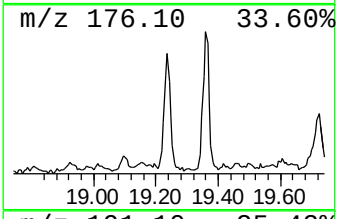


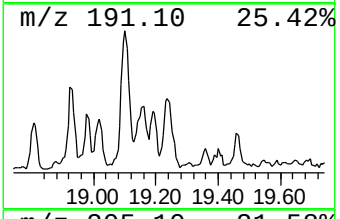


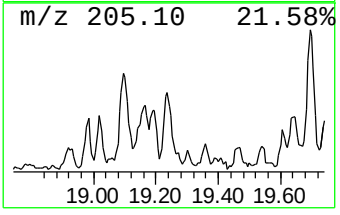












Library Search Compound Report

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Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

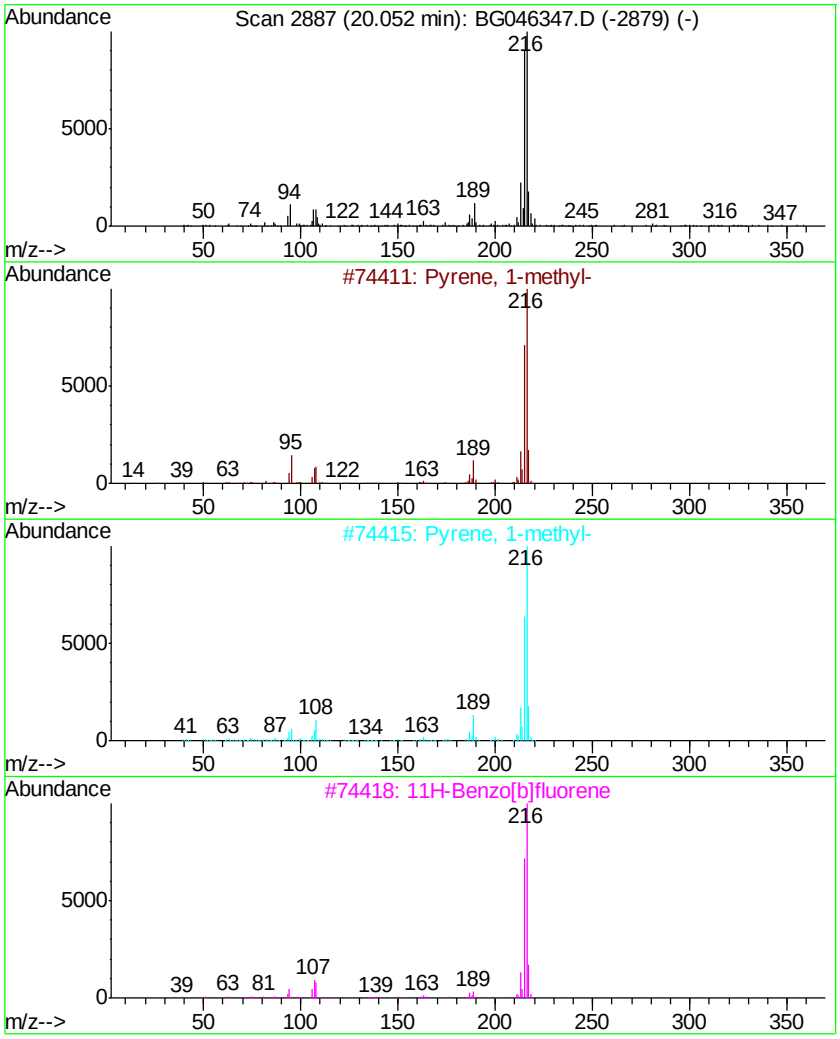
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

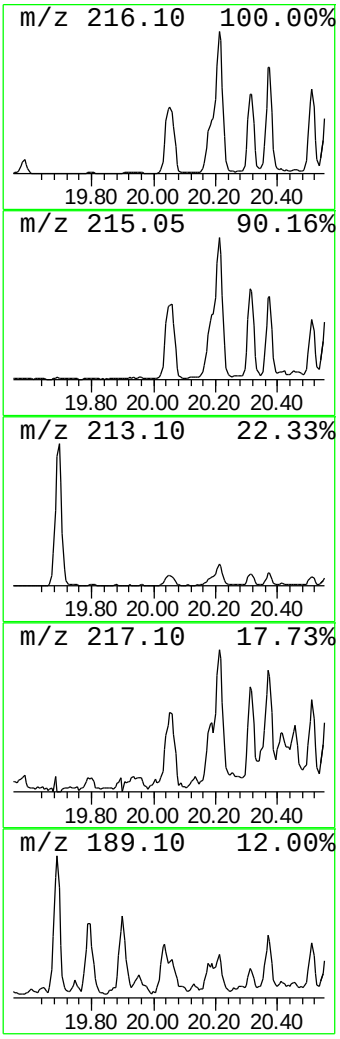
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.22 ng/ul	349490	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

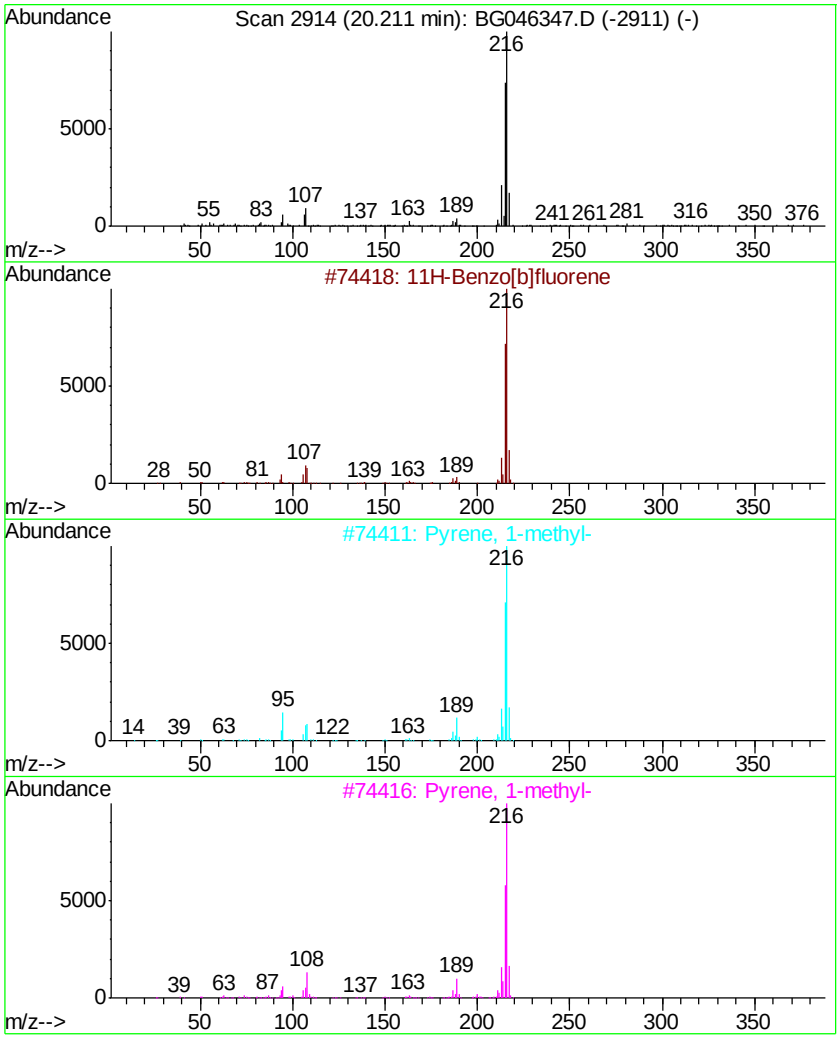
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

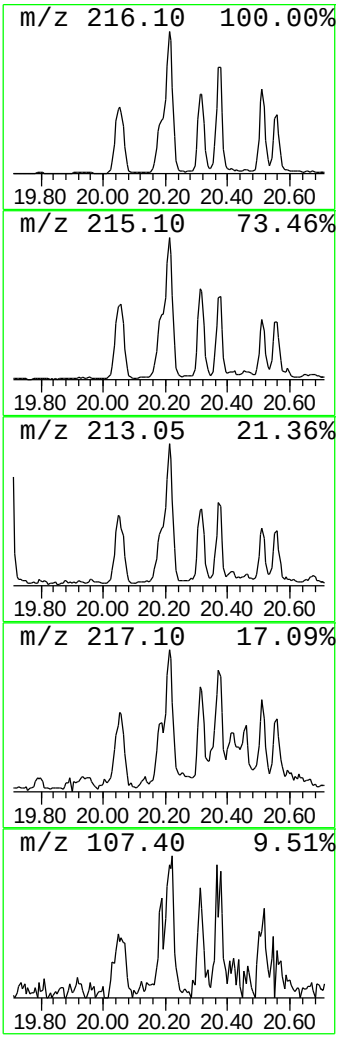
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	2.05 ng/ul	322880	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

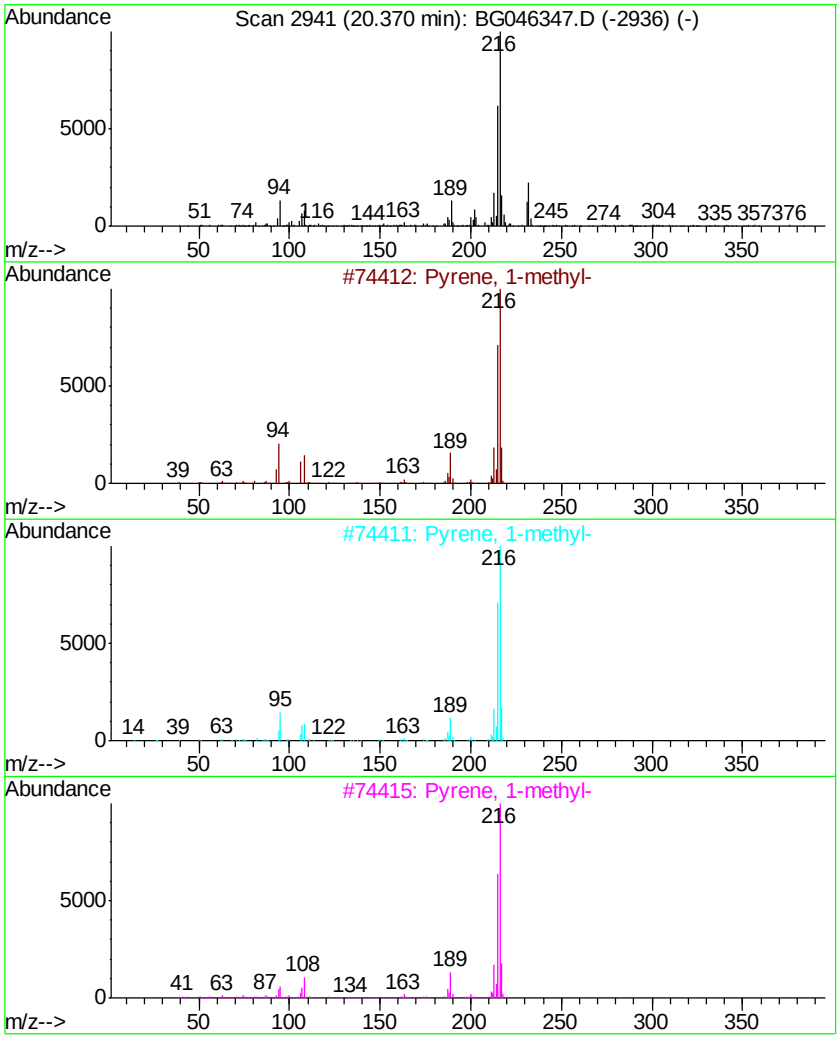
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

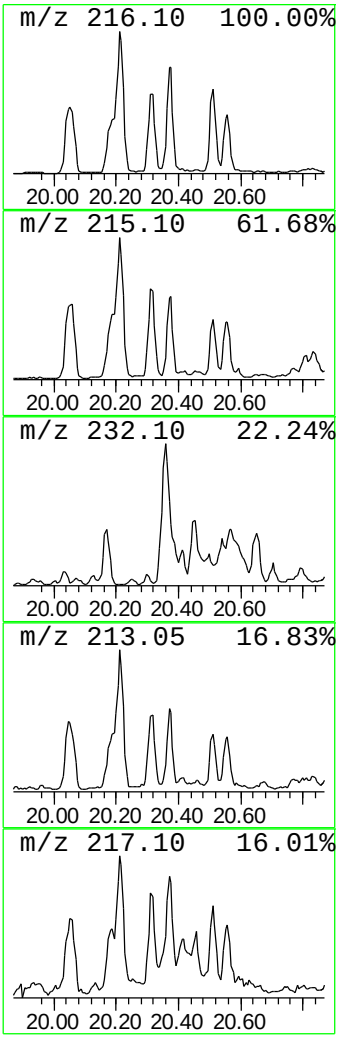
****

Peak Number 20 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.09 ng/ul	329222	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92





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Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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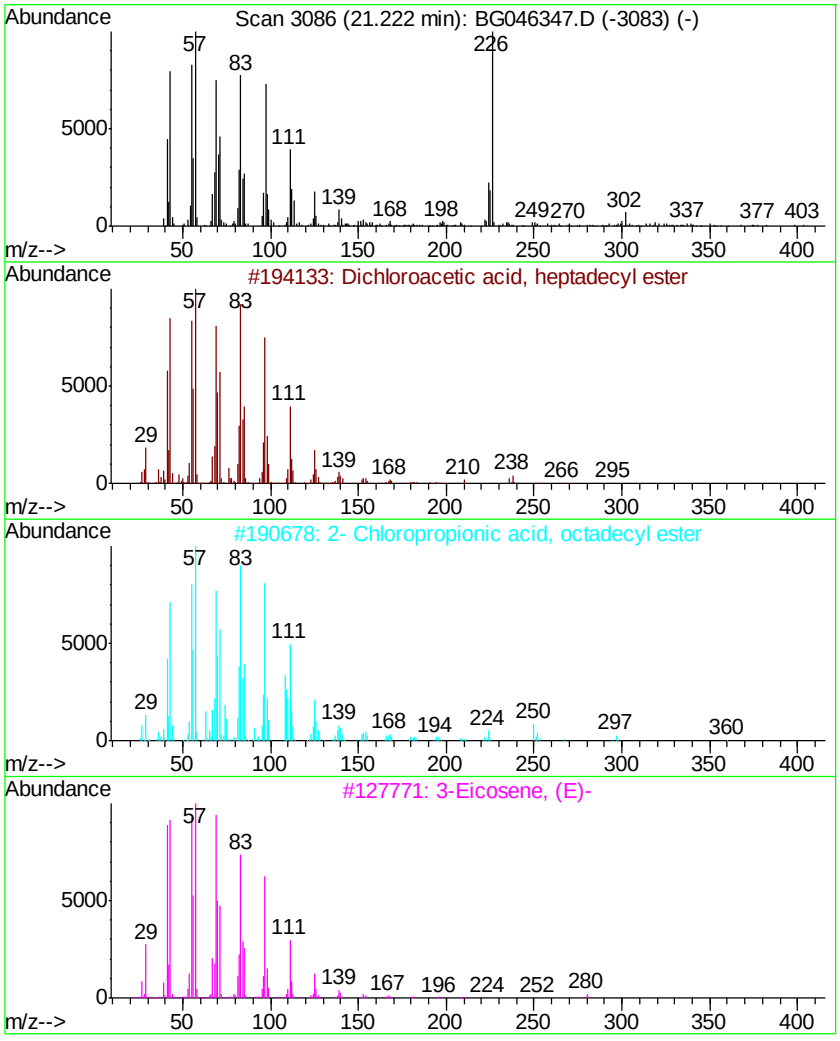
Quant Title : SVOA CALIBRATION

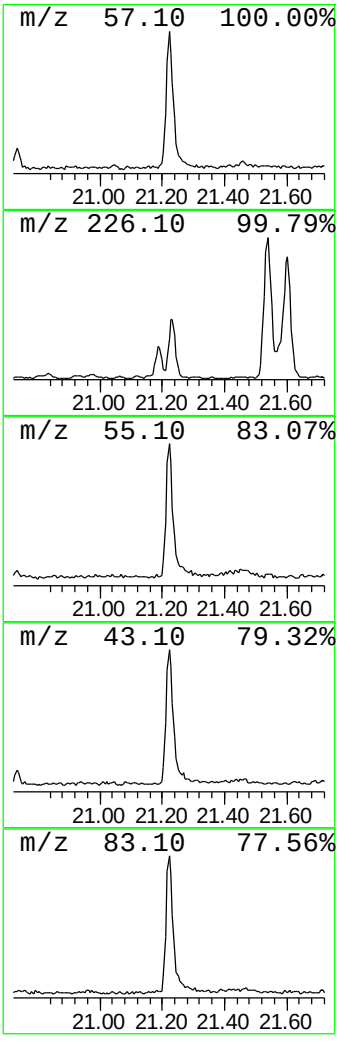
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Dichloroacetic acid, heptad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	3.73 ng/ul	587240	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	89
2	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	87
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	76
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	76
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
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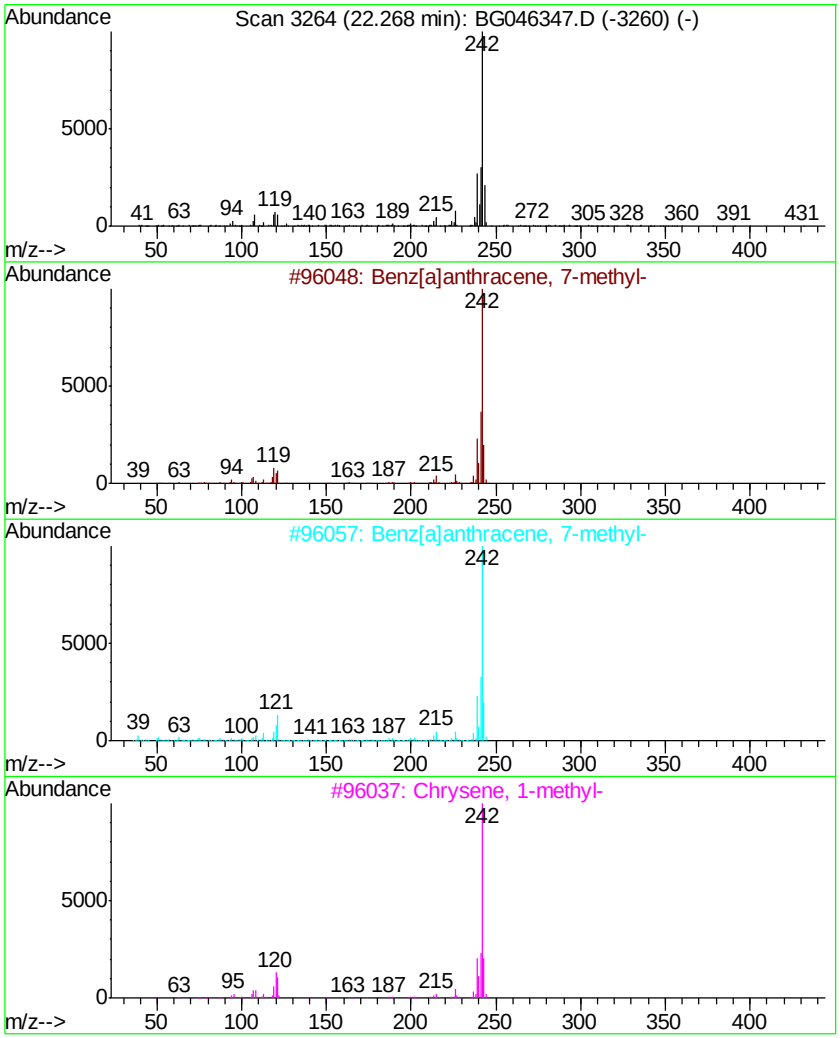
Quant Title : SVOA CALIBRATION

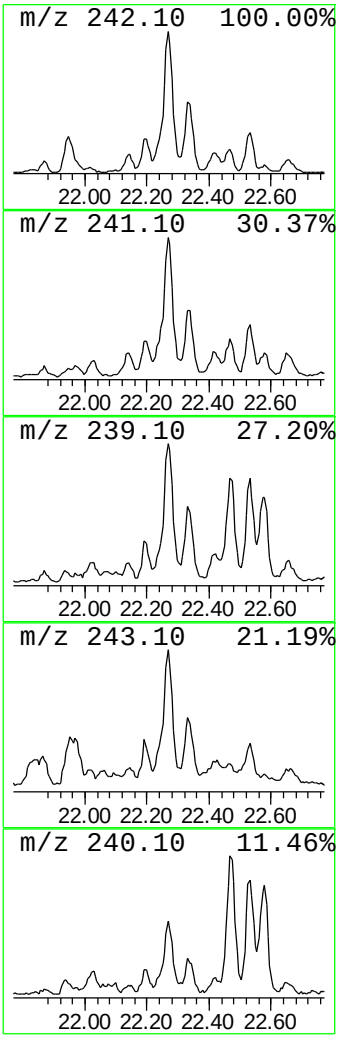
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	2.28 ng/ul	358611	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	87





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Sample : L3633-11
Misc :
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Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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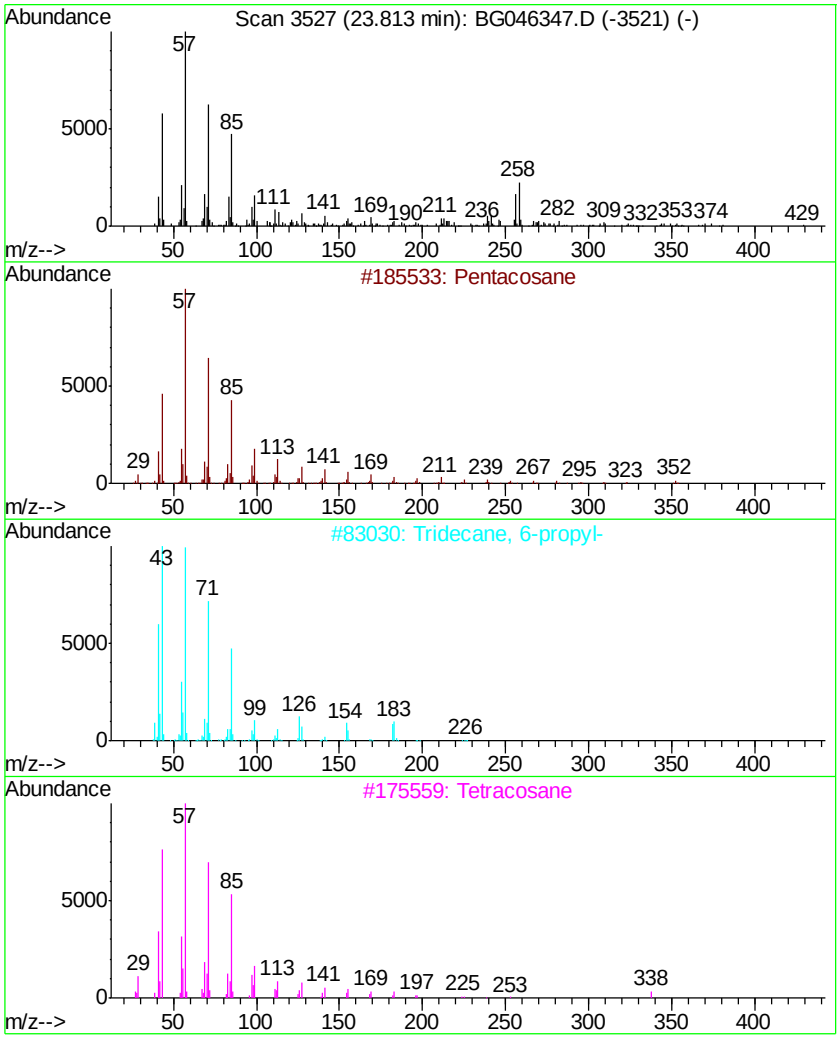
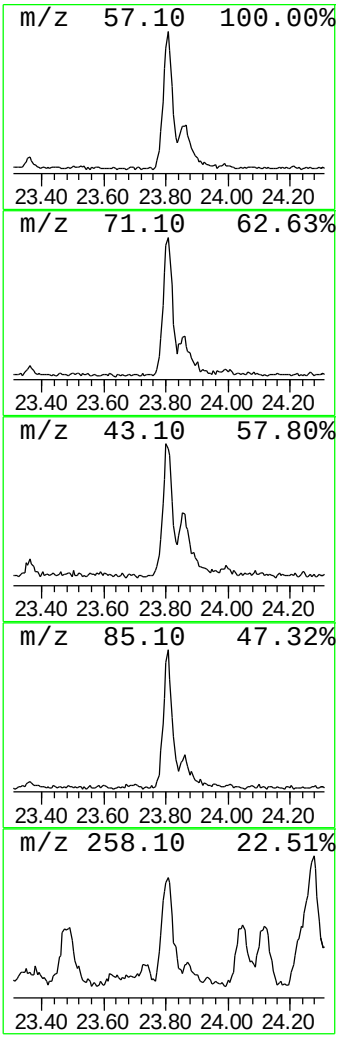
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	2.07 ng/ul	192274	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	70
3	Tetracosane	338	C24H50	000646-31-1	70
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	68
5	Octacosane	394	C28H58	000630-02-4	68





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Instrument : BNA_G
ClientSampleId : BFMD9

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Quant Title : SVOA CALIBRATION

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

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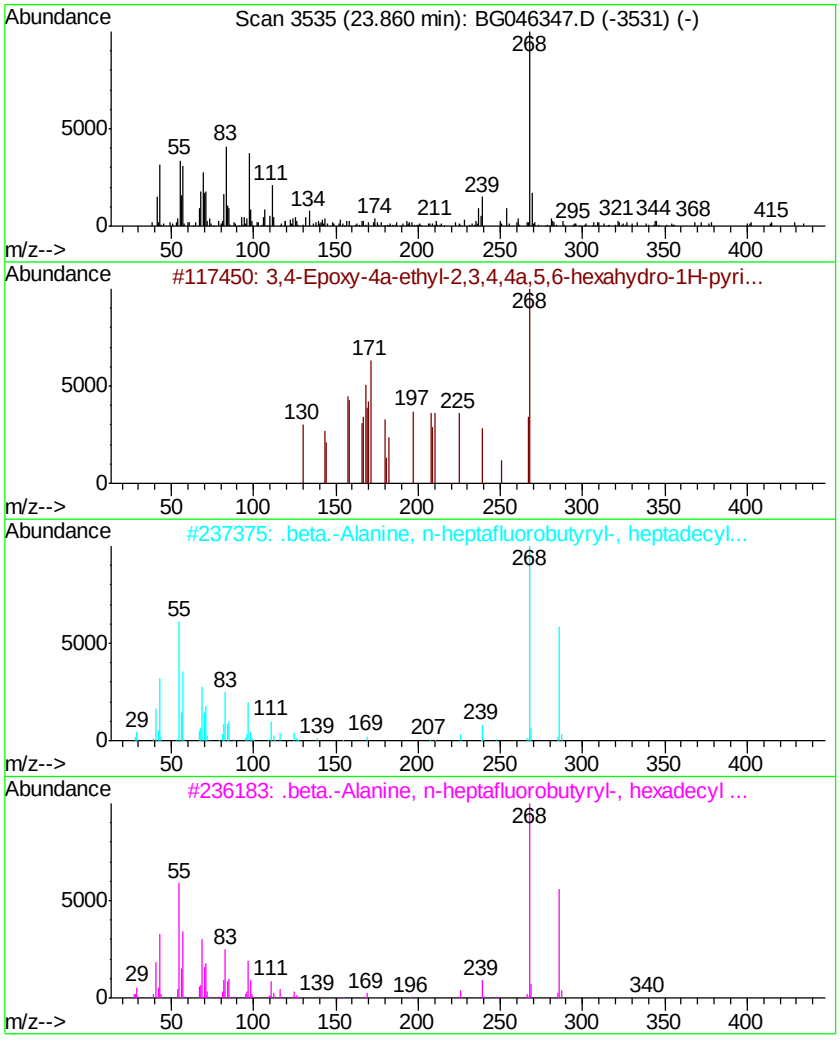
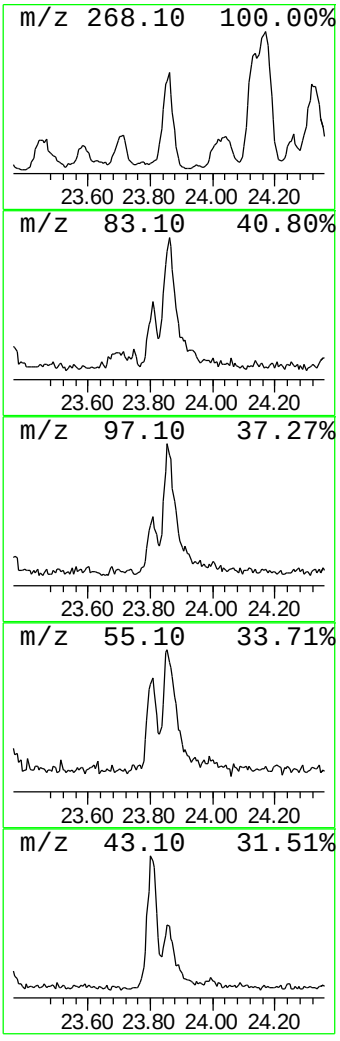
Peak Number 24 3,4-Epoxy-4a-ethyl-2,3,4,4a... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	2.04 ng/ul	189053	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	59
2	.beta.-Alanine, n-heptafluorobut...	523	C24H40F7NO3	1000320-98-8	49
3	.beta.-Alanine, n-heptafluorobut...	509	C23H38F7NO3	1000320-98-7	49
4	.beta.-Alanine, n-heptafluorobut...	495	C22H36F7NO3	1000320-98-6	43
5	.beta.-Alanine, n-heptafluorobut...	537	C25H42F7NO3	1000320-98-9	43





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Quant Title : SVOA CALIBRATION

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

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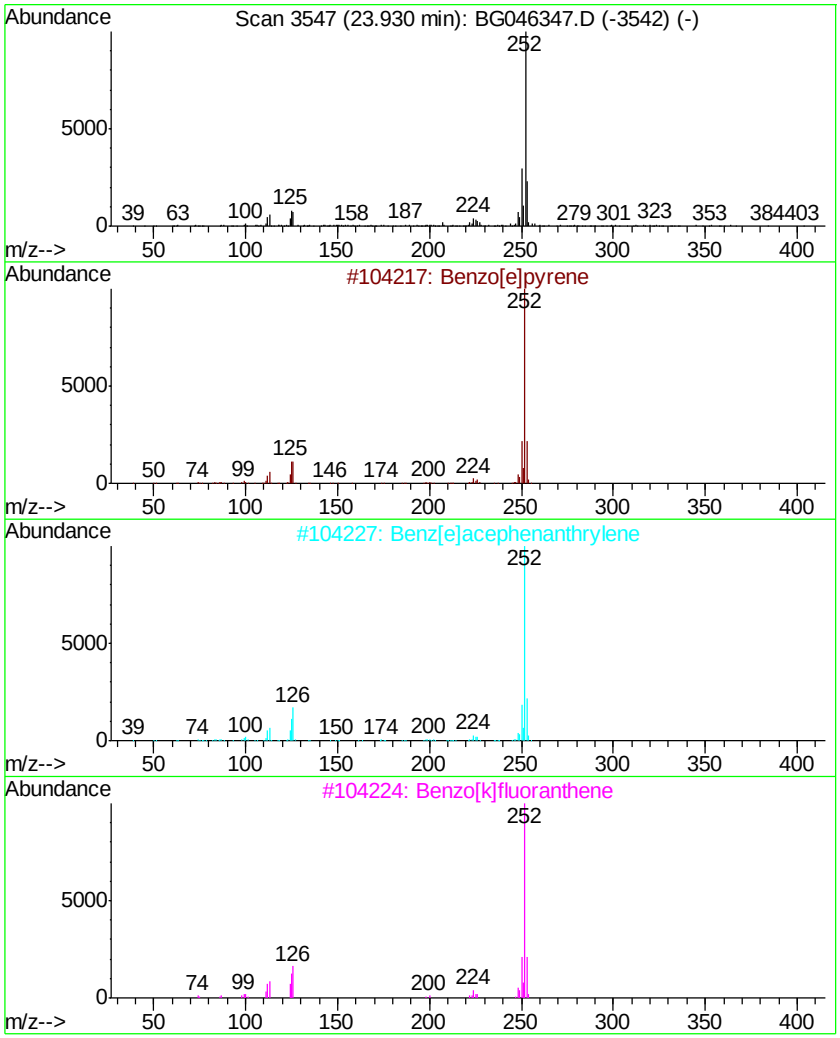
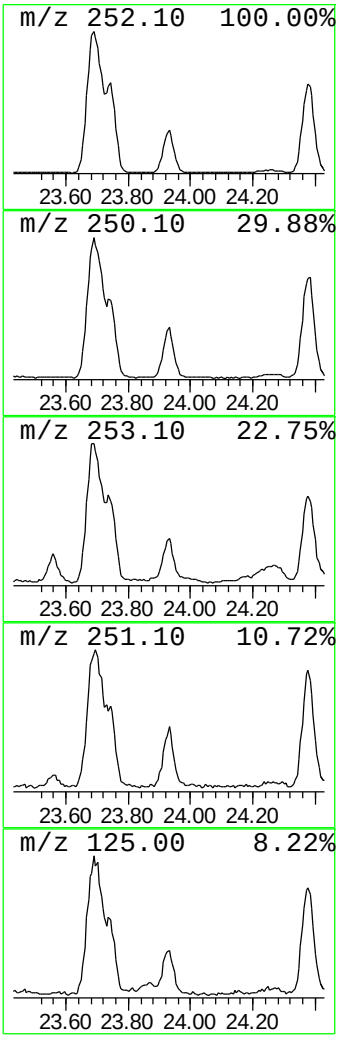
Peak Number 25 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	3.83 ng/ul	355665	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

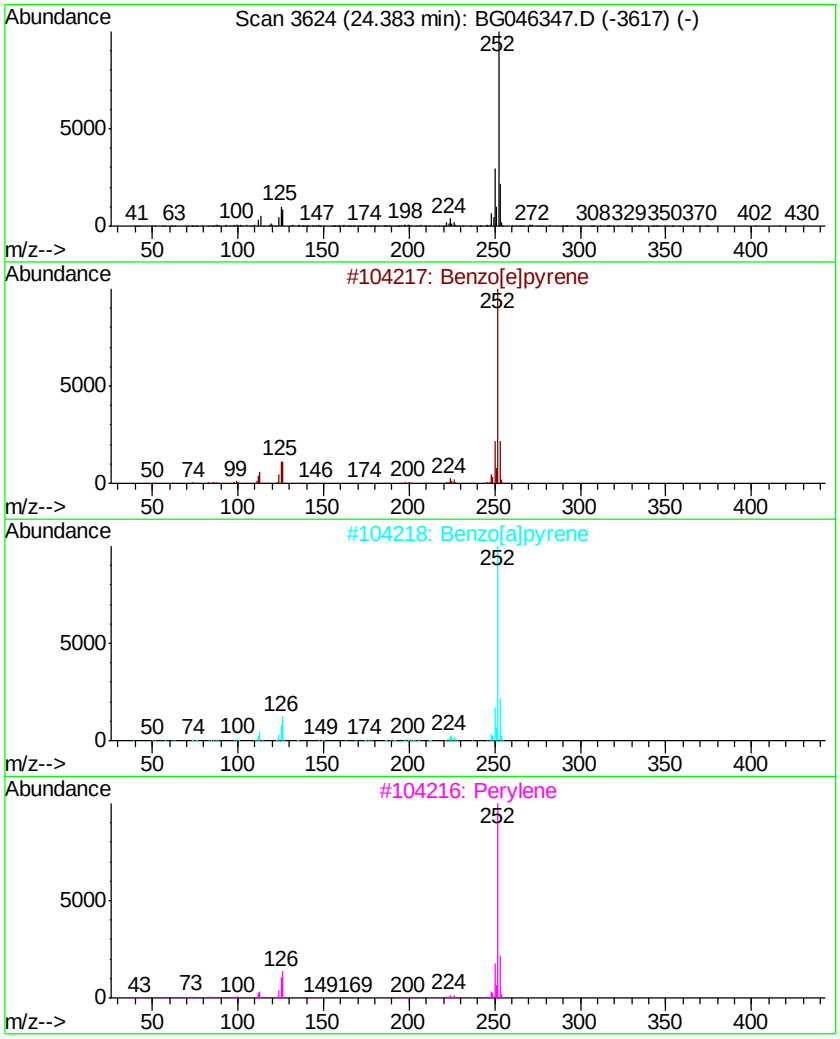
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

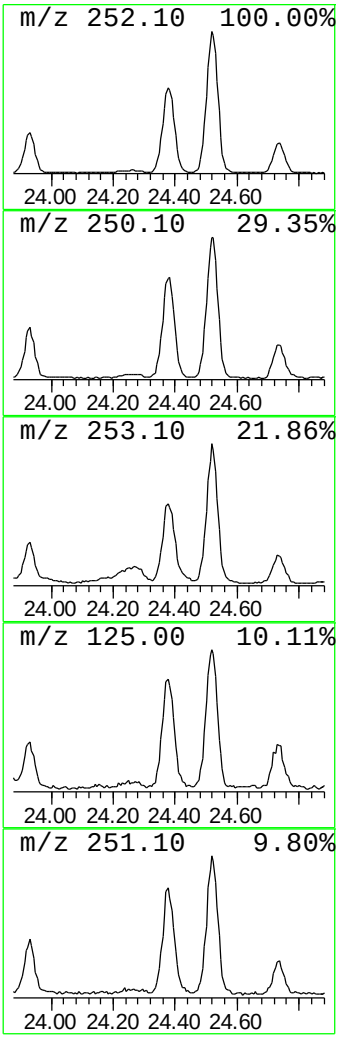
****

Peak Number 26 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	6.75 ng/ul	626951	Perylene-d12	24.66

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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

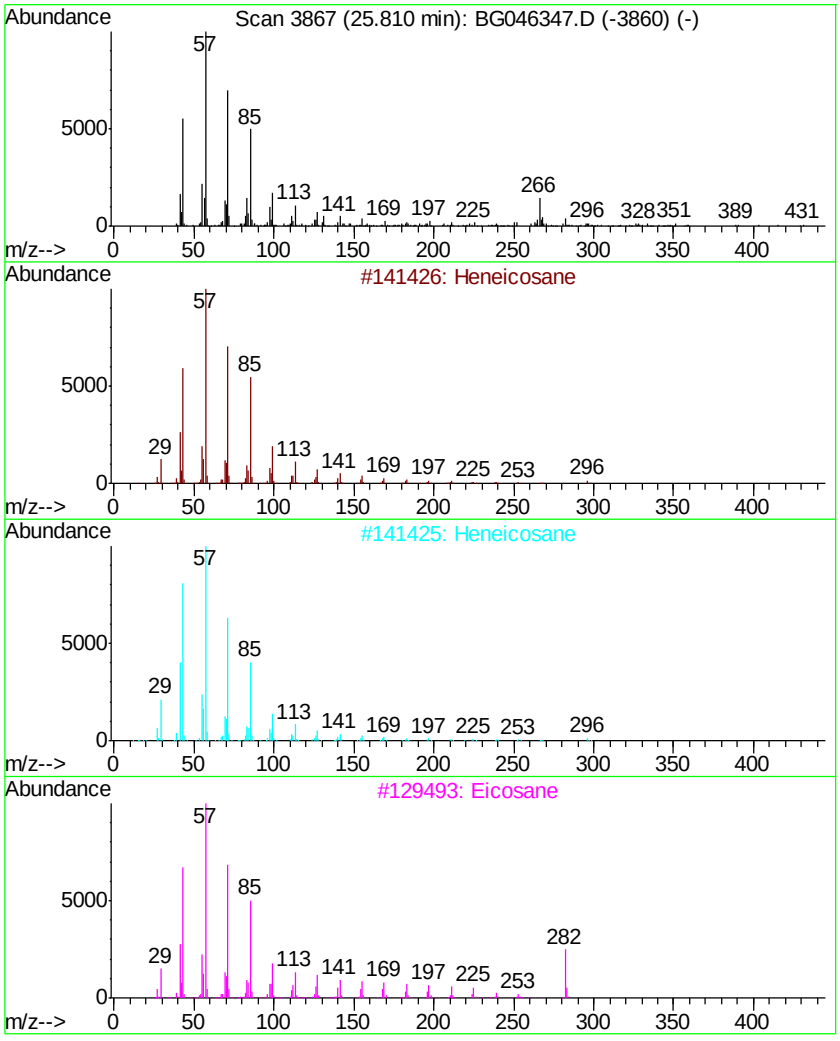
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

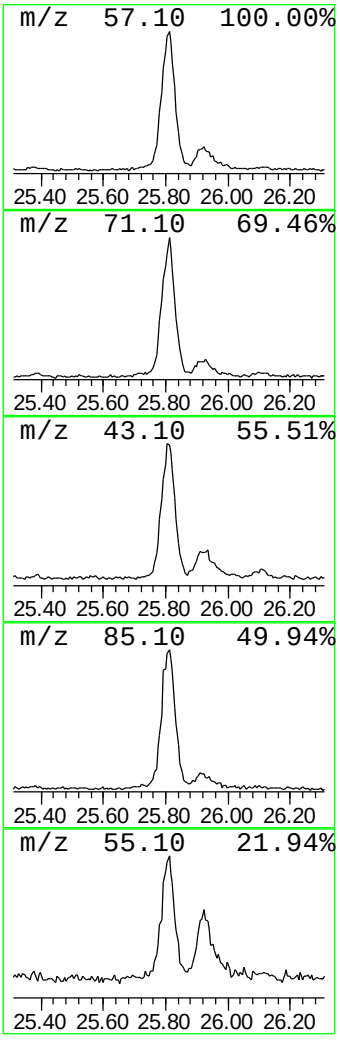
****

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.81	5.60 ng/ul	519596	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heneicosane	296	C21H44	000629-94-7	93
3	Eicosane	282	C20H42	000112-95-8	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046347.D
Acq On : 19 Aug 2020 14:44
Operator : CG/JU
Sample : L3633-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMD9

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	72.3	ng/ul	2107170	1	7.94	583318	20.0
3,5-Diamino-1,2,4...	7.11	15.9	ng/ul	464903	1	7.94	583318	20.0
unknown-01	7.27	12.1	ng/ul	354151	1	7.94	583318	20.0
unknown-02	7.47	16.3	ng/ul	475879	1	7.94	583318	20.0
unknown-03	8.64	20.4	ng/ul	595956	1	7.94	583318	20.0
unknown-04	9.09	15.8	ng/ul	460609	1	7.94	583318	20.0
unknown-05	9.81	8.9	ng/ul	386801	2	10.73	870000	20.0
unknown-06	10.86	10.6	ng/ul	458831	2	10.73	870000	20.0
unknown-07	13.97	16.0	ng/ul	1007490	3	14.56	1257670	20.0
2-Ethylbutyl meth...	14.02	2.5	ng/ul	156897	3	14.56	1257670	20.0
unknown-08	14.76	5.4	ng/ul	341657	3	14.56	1257670	20.0
unknown-09	15.68	5.5	ng/ul	346980	3	14.56	1257670	20.0
Phenanthrene, 2-m...	18.18	2.3	ng/ul	185707	4	17.31	1585190	20.0
Phenanthrene, 1-m...	18.23	3.4	ng/ul	272461	4	17.31	1585190	20.0
4H-Cyclopenta[def...	18.38	3.6	ng/ul	282750	4	17.31	1585190	20.0
Phenanthrene, 2,5...	19.10	2.1	ng/ul	166251	4	17.31	1585190	20.0
Cyclopenta(def)ph...	19.24	2.0	ng/ul	160360	4	17.31	1585190	20.0
Pyrene, 1-methyl-	20.05	2.2	ng/ul	349490	5	21.56	3150540	20.0
11H-Benzo[b]fluorene	20.21	2.0	ng/ul	322880	5	21.56	3150540	20.0
Pyrene, 2-methyl-	20.37	2.1	ng/ul	329222	5	21.56	3150540	20.0
Dichloroacetic ac...	21.22	3.7	ng/ul	587240	5	21.56	3150540	20.0
Benz[a]anthracene...	22.27	2.3	ng/ul	358611	5	21.56	3150540	20.0
(DEL) Alkane: Str...	23.81	2.1	ng/ul	192274	6	24.66	1857180	20.0
3,4-Epoxy-4a-ethy...	23.86	2.0	ng/ul	189053	6	24.66	1857180	20.0
Benzo[e]pyrene	23.93	3.8	ng/ul	355665	6	24.66	1857180	20.0
Perylene	24.38	6.8	ng/ul	626951	6	24.66	1857180	20.0
(DEL) Alkane: Str...	25.81	5.6	ng/ul	519596	6	24.66	1857180	20.0