LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.144	4	9	26	rVB	1589866	2563256	91.93%	5.884%
2	3.919	136	141	149	rVB	17062	26121	0.94%	0.060%
3	4.049	158	163	169	rBV2	15915	25876	0.93%	0.059%
4	7.110	678	684	699	rVB	198582	360957	12.95%	0.829%
5	7.268	702	711	719	rBV	171182	286089	10.26%	0.657%
6	7.474	740	746	757	rVV	210162	373116	13.38%	0.857%
7	7.938	819	825	835	rBV	332514	570529	20.46%	1.310%
8	8.649	938	946	961	rBV	262871	467302	16.76%	1.073%
9	9.096	1015	1022	1032	rBV	199165	362893	13.01%	0.833%
10	9.818	1138	1145	1154	rBV	174130	310828	11.15%	0.714%
11	10.365	1230	1238	1248	rBV	273111	506064	18.15%	1.162%
12	10.741	1293	1302	1308	rBV	482902	866591	31.08%	1.989%
13	10.788	1308	1310	1316	rVV2	19384	25438	0.91%	0.058%
14	10.870	1316	1324	1343	rVV	156412	315330	11.31%	0.724%
15	12.398	1578	1584	1591	rBV	14673	25901	0.93%	0.059%
16	12.615	1614	1621	1627	rBV2	15514	26144	0.94%	0.060%
17	13.890	1832	1838	1843	rBV3	17861	31789	1.14%	0.073%
18	13.972	1843	1852	1857	rVV	552820	801334	28.74%	1.840%
19	14.019	1857	1860	1865	rVV	86122	114718	4.11%	0.263%
20	14.260	1894	1901	1917	rBV	612300	1066599	38.25%	2.449%
21	14.572	1944	1954	1960	rBV	786479	1223243	43.87%	2.808%
22	14.630	1960	1964	1972	rVB	40552	65698	2.36%	0.151%
23	14.771	1981	1988	2000	rBV	96900	205552	7.37%	0.472%
24	14.965	2016	2021	2029	rVB2	34272	60459	2.17%	0.139%
25	15.189	2052	2059	2063	rBV4	10789	21238	0.76%	0.049%
26	15.371	2080	2090	2097	rBV8	10853	35130	1.26%	0.081%
27	15.565	2115	2123	2128	rVV	790826	1234301	44.27%	2.834%
28	15.617	2128	2132	2136	rVV	55564	81257	2.91%	0.187%
29	15.682	2138	2143	2150	rVV	83578	132138	4.74%	0.303%
30	15.911	2177	2182	2192	rVB	27728	51679	1.85%	0.119%
31	16.058	2201	2207	2215	rVB2	24727	53488	1.92%	0.123%
32	16.146	2215	2222	2227	rVB6	10255	23941	0.86%	0.055%
33	16.293	2242	2247	2254	rBV6	21966	46774	1.68%	0.107%
34	16.599	2290	2299	2300	rBV5	13160	26525	0.95%	0.061%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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

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

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

35	16.622	2300	2303	2308	rVV4	17322	28447	1.02%	0.065%
36	16.851	2334	2342	2345	rBV5	18860	36600	1.31%	0.084%
37	16.892	2345	2349	2352	rVB3	17751	21967	0.79%	0.050%
38	16.963	2356	2361	2369	rVB	62444	108112	3.88%	0.248%
39	17.045	2369	2375	2377	rBV2	22419	34041	1.22%	0.078%
40	17.133	2386	2390	2399	rVB	43846	75417	2.70%	0.173%
41	17.216	2399	2404	2408	rBV8	15056	22994	0.82%	0.053%
42	17.315	2411	2421	2424	rBV	916672	1422096	51.00%	3.265%
43	17.357	2424	2428	2433	rVB	851047	1172451	42.05%	2.692%
44	17.409	2433	2437	2442	rBV2	762961	1142434	40.97%	2.623%
45	17.503	2448	2453	2459	rVB5	22334	38636	1.39%	0.089%
46	17.627	2472	2474	2479	rVB4	20924	24992	0.90%	0.057%
47	17.709	2479	2488	2493	rBV2	58370	125604	4.50%	0.288%
48	17.827	2502	2508	2513	rBV2	48153	79242	2.84%	0.182%
49	17.891	2515	2519	2524	rVB5	28657	39172	1.40%	0.090%
50	17.991	2529	2536	2539	rBV8	17831	32286	1.16%	0.074%
51	18.109	2551	2556	2559	rBV3	19042	27623	0.99%	0.063%
52	18.191	2559	2570	2573	rBV	137894	249249	8.94%	0.572%
53	18.238	2574	2578	2583	rVV	188095	299601	10.74%	0.688%
54	18.314	2587	2591	2596	rVB	41917	65057	2.33%	0.149%
55	18.385	2596	2603	2606	rBV3	175056	333820	11.97%	0.766%
56	18.420	2606	2609	2614	rVB	97681	136080	4.88%	0.312%
57	18.508	2618	2624	2625	rBV6	20648	32827	1.18%	0.075%
58	18.684	2649	2654	2657	rBV	162345	233134	8.36%	0.535%
59	18.726	2657	2661	2666	rVB	182011	253564	9.09%	0.582%
60	18.937	2693	2697	2701	rVB2	38780	47698	1.71%	0.109%
61	18.984	2702	2705	2708	rBV	31686	36302	1.30%	0.083%
62	19.019	2708	2711	2716	rVB2	29430	41588	1.49%	0.095%
63	19.107	2720	2726	2730	rBV2	117695	190774	6.84%	0.438%
64	19.243	2744	2749	2757	rVB	131008	207450	7.44%	0.476%
65	19.366	2764	2770	2776	rVB	1556017	2179824	78.18%	5.004%
66	19.431	2777	2781	2783	rBV	33113	39702	1.42%	0.091%
67	19.466	2783	2787	2791	rVB2	36615	49753	1.78%	0.114%
68	19.513	2791	2795	2799	rBV	88768	120632	4.33%	0.277%
69	19.560	2799	2803	2807	rBV2	40129	68033	2.44%	0.156%
70	19.607	2809	2811	2814	rBV	25889	25819	0.93%	0.059%
71	19.701	2821	2827	2829	rBV2	1113090	1769621	63.47%	4.062%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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

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

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

72	19.730	2829	2832	2839	rVV	1492407	2081757	74.66%	4.779%
73	19.801	2839	2844	2850	rVV2	66540	116864	4.19%	0.268%
74	19.907	2858	2862	2867	rVB	58434	90446	3.24%	0.208%
75	19.959	2868	2871	2879	rVB2	57934	91336	3.28%	0.210%
76	20.053	2881	2887	2893	rBV3	111905	287349	10.31%	0.660%
77	20.218	2905	2915	2918	rBV2	196702	455740	16.34%	1.046%
78	20.318	2928	2932	2936	rBV2	71973	100270	3.60%	0.230%
79	20.377	2937	2942	2946	rVB2	150689	234909	8.42%	0.539%
80	20.512	2962	2965	2969	rBV	92660	130324	4.67%	0.299%
81	20.559	2970	2973	2978	rVB	103062	145343	5.21%	0.334%
82	20.970	3039	3043	3050	rVB	182362	284852	10.22%	0.654%
83	21.146	3068	3073	3078	rBV2	89773	199344	7.15%	0.458%
84	21.193	3078	3081	3083	rVV	136460	180699	6.48%	0.415%
85	21.229	3083	3087	3094	rVV4	447002	863108	30.95%	1.981%
86	21.299	3095	3099	3109	rVB	172829	287658	10.32%	0.660%
87	21.464	3124	3127	3131	rVB	66281	82182	2.95%	0.189%
88	21.558	3136	3143	3148	rVV3	1179386	2788291	100.00%	6.401%
89	21.605	3148	3151	3165	rVB	690334	1182315	42.40%	2.714%
90	21.816	3183	3187	3193	rBV	90677	143851	5.16%	0.330%
91	22.357	3274	3279	3287	rBV5	134836	356825	12.80%	0.819%
92	23.696	3499	3507	3514	rBV2	529944	1657581	59.45%	3.805%
93	23.814	3521	3527	3532	rBV	701921	1370792	49.16%	3.147%
94	23.867	3532	3536	3544	rVB	432594	856543	30.72%	1.966%
95	24.390	3618	3625	3631	rBV	294029	761647	27.32%	1.748%
96	24.466	3632	3638	3644	rVV	489752	1303968	46.77%	2.993%
97	24.531	3644	3649	3661	rVB	434546	1130106	40.53%	2.594%
98	24.677	3666	3674	3696	rVB2	540159	1799845	64.55%	4.132%
99	25.817	3860	3868	3879	rVB	379493	1042847	37.40%	2.394%
100	25.929	3881	3887	3897	rVV3	118867	332705	11.93%	0.764%

Sum of corrected areas: 43560437

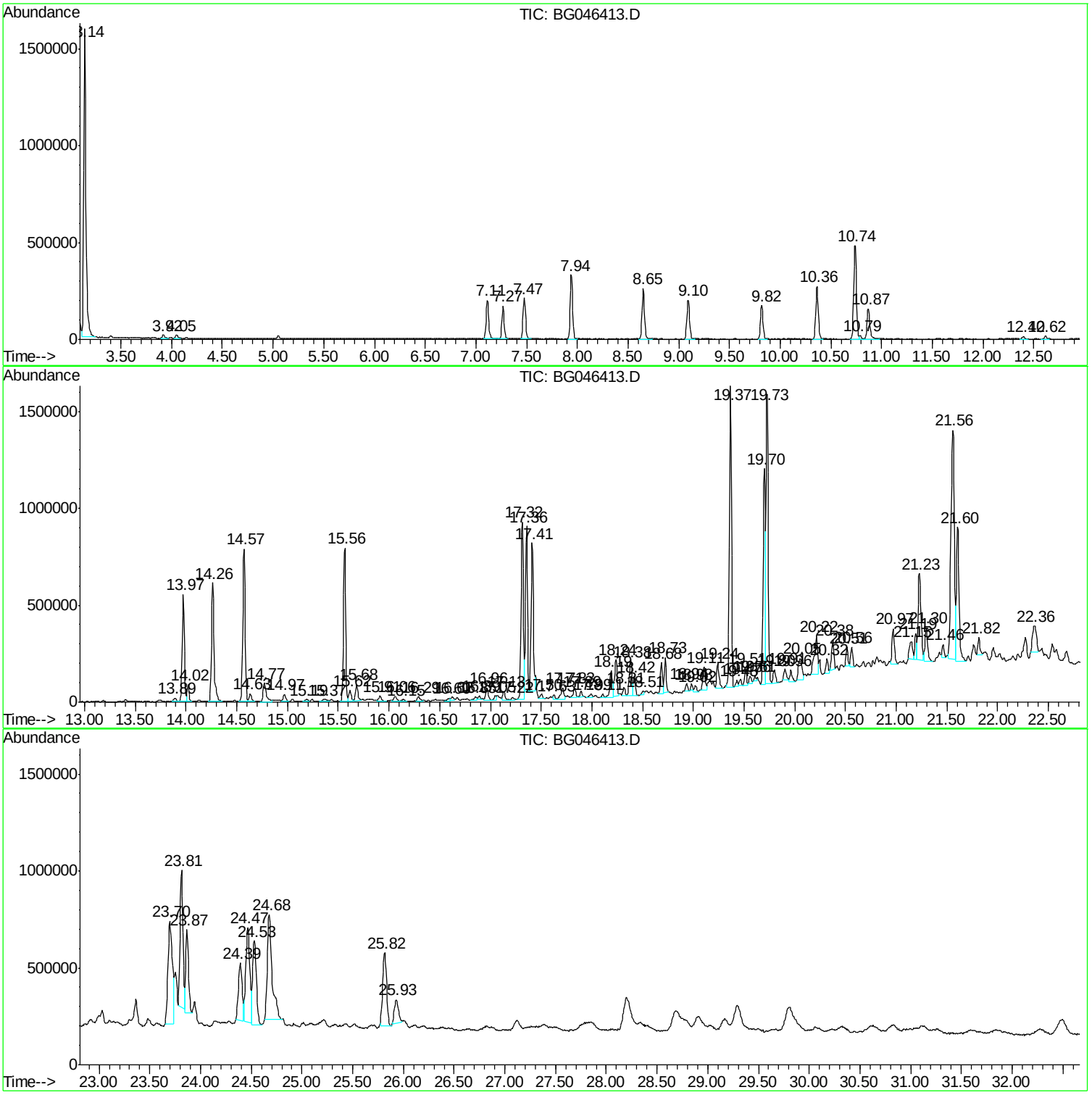
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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Quant Title : SVOA CALIBRATION

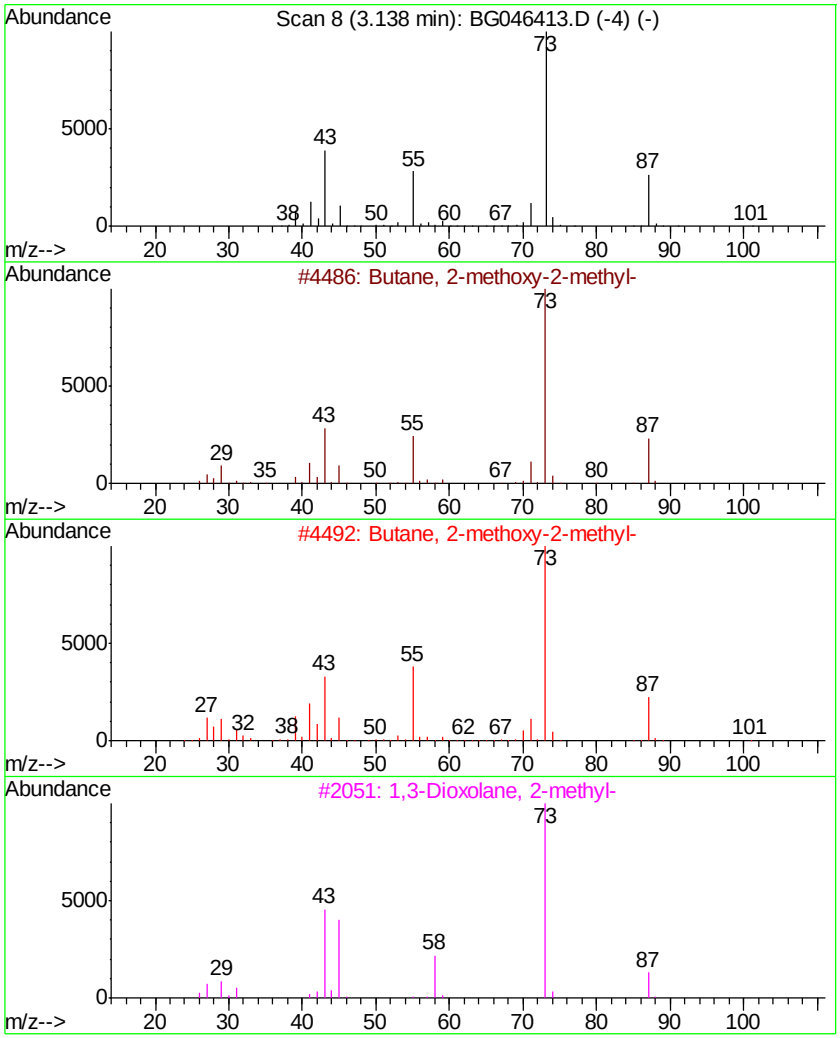
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

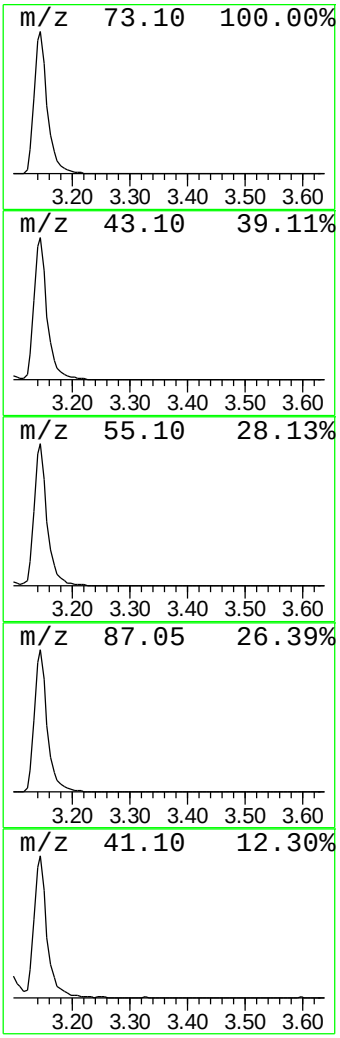
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	89.86 ng/ul	2563260	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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

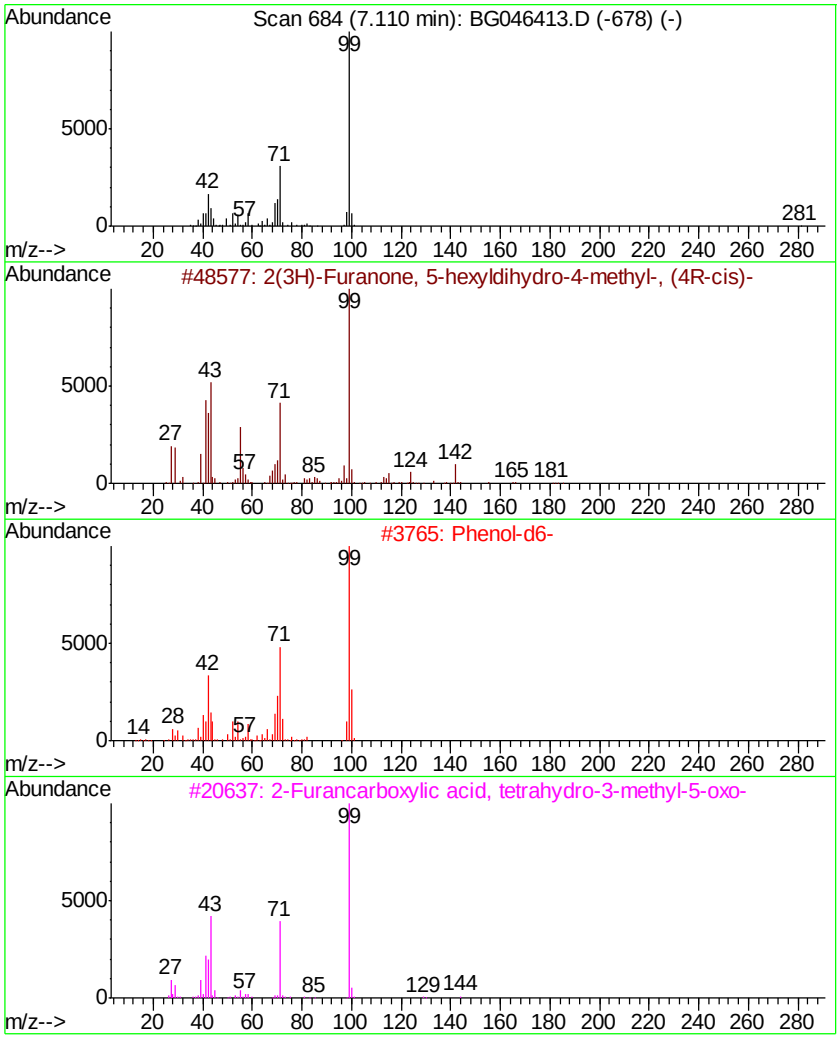
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

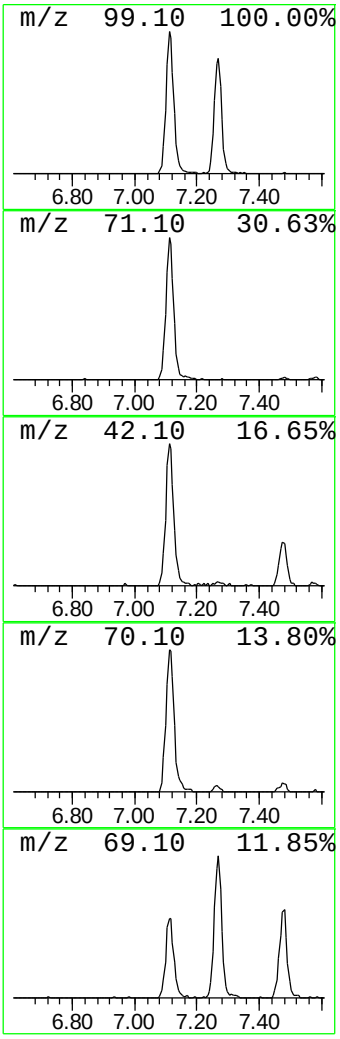
****

Peak Number 2 2(3H)-Furanone, 5-hexyldihy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	12.65 ng/ul	360957	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	121644-12-0	64
2	Phenol-d6-	100	C6D6O	013127-88-3	64
3	2-Furancarboxylic acid, tetrahyd...	144	C6H8O4	022073-04-7	59
4	Hexanoic acid, 3-tridecyl ester	298	C19H38O2	1000279-29-2	56
5	2(3H)-Furanone, 5-hexyldihydro-4...	184	C11H20O2	147254-33-9	56





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

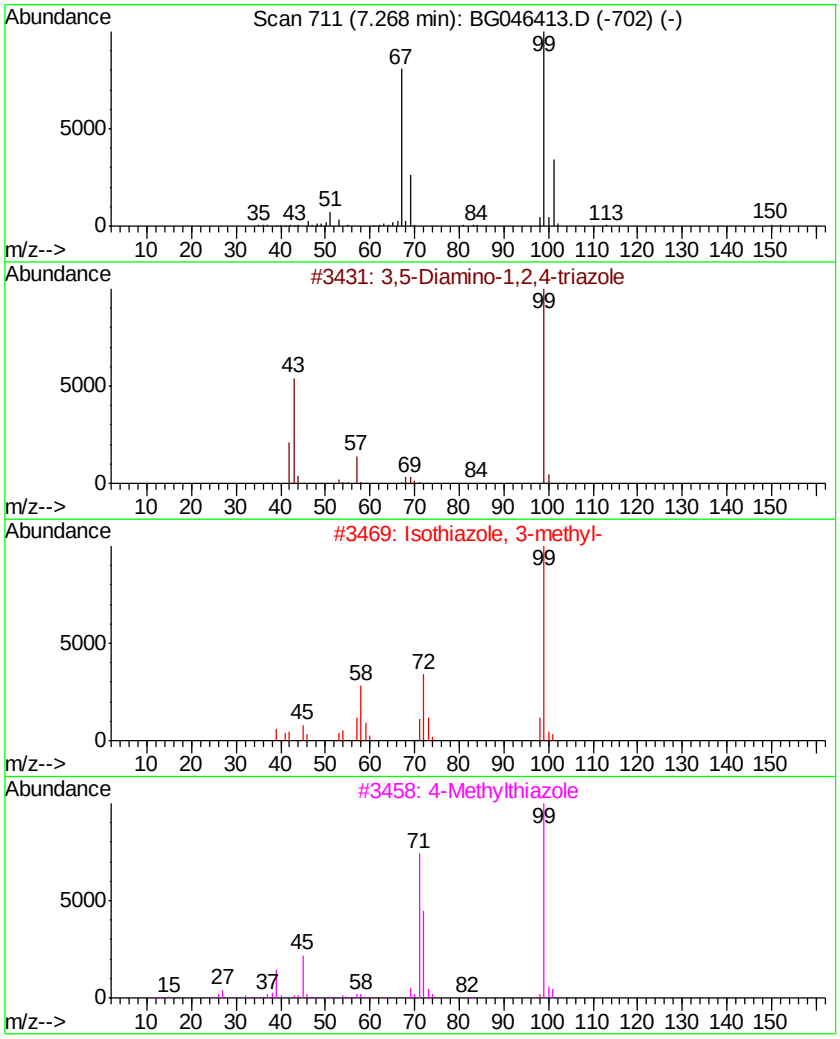
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

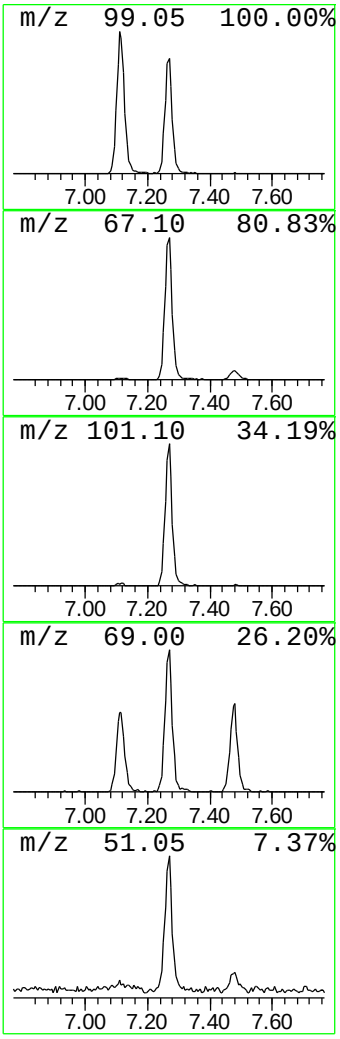
****

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	10.03 ng/ul	286089	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	4-Methylthiazole	99	C4H5NS	000693-95-8	9
4	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	7
5	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
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Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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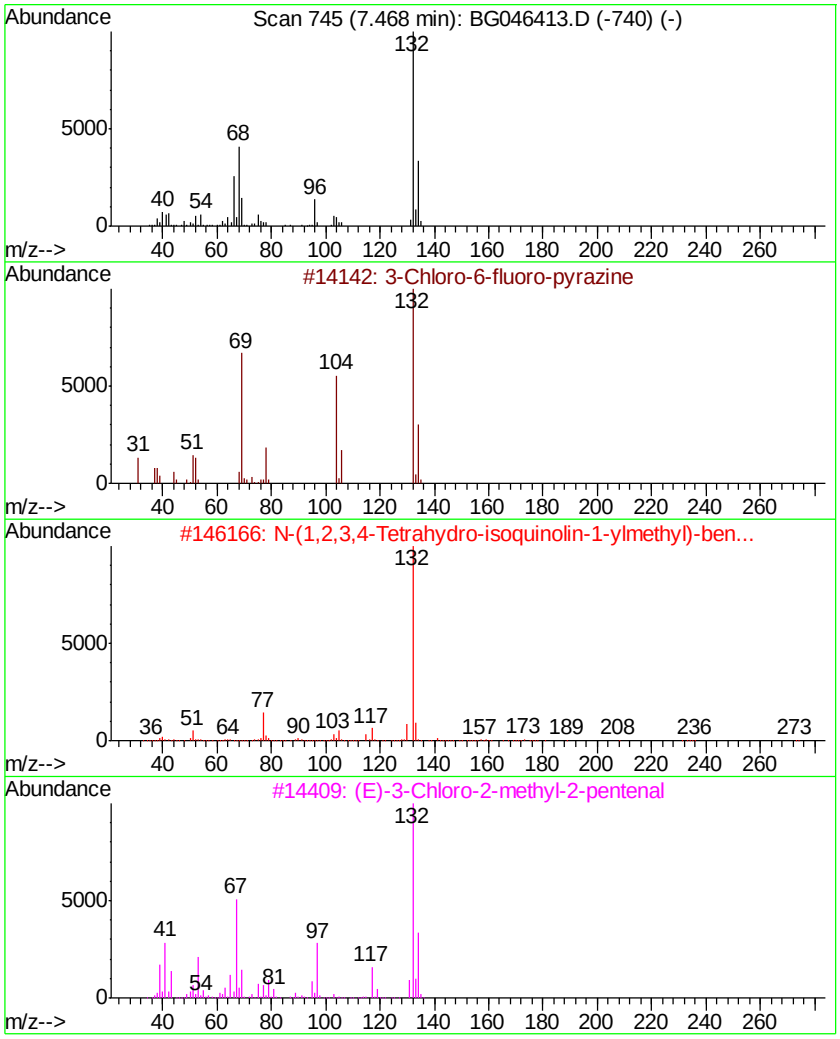
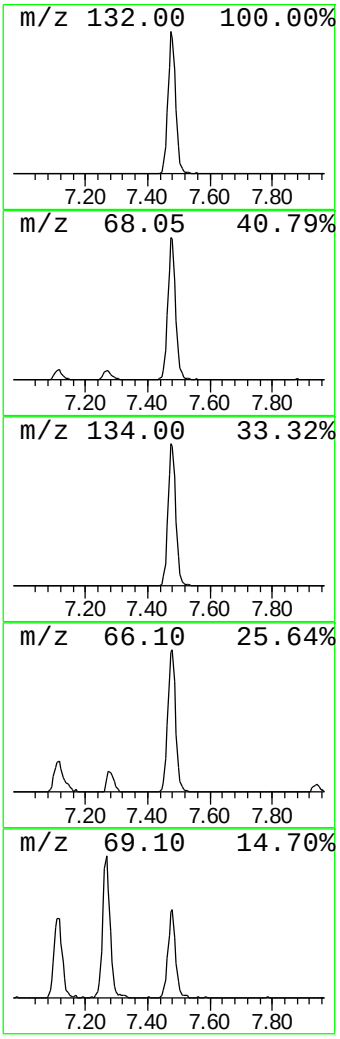
Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	13.08 ng/ul	373116	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	16
2	N-(1,2,3,4-Tetrahydro-isoquinoli...	302	C16H18N2O2S	1000274-62-8	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
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Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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

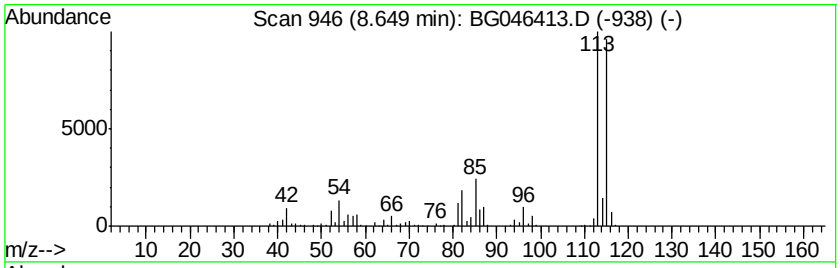
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

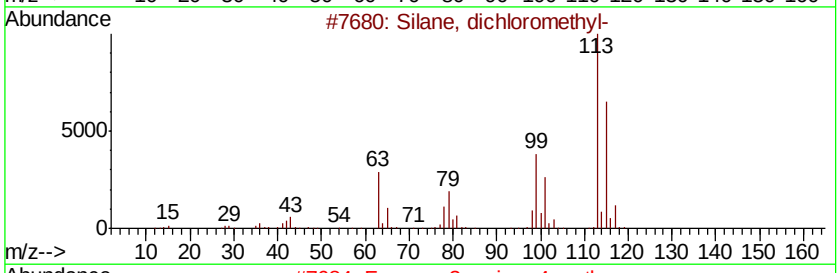
****

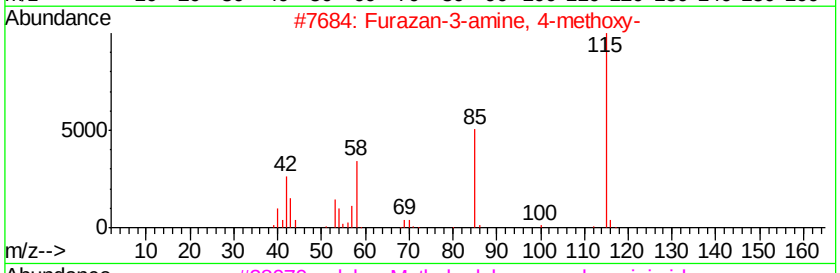
Peak Number 5 unknown-03 Concentration Rank 2

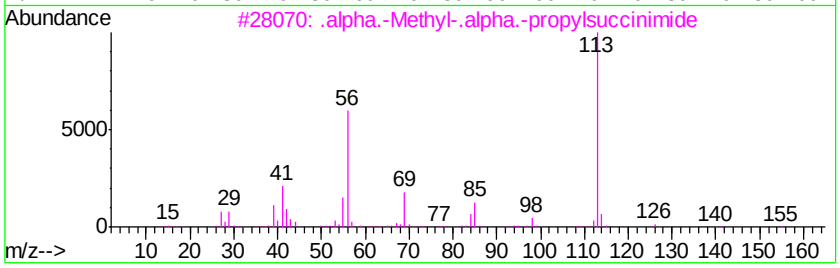
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	16.38 ng/ul	467302	1,4-Dichlorobenzene-d4	7.94

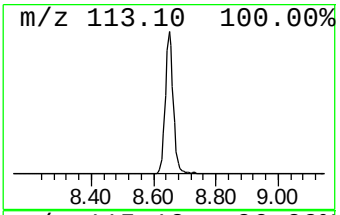
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	35
3	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	35
4	3,4-Methylpropylsuccinimide	155	C8H13NO2	1000248-78-0	35
5	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32

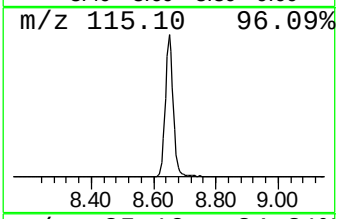


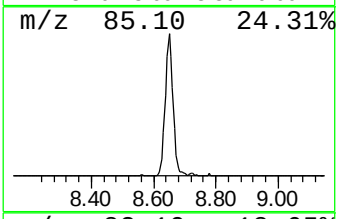


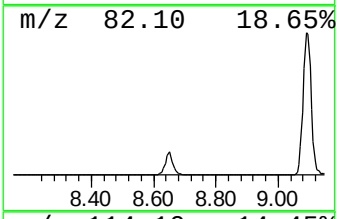


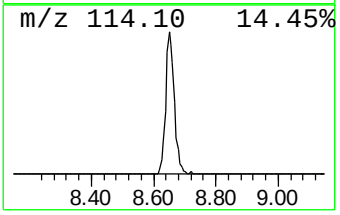












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Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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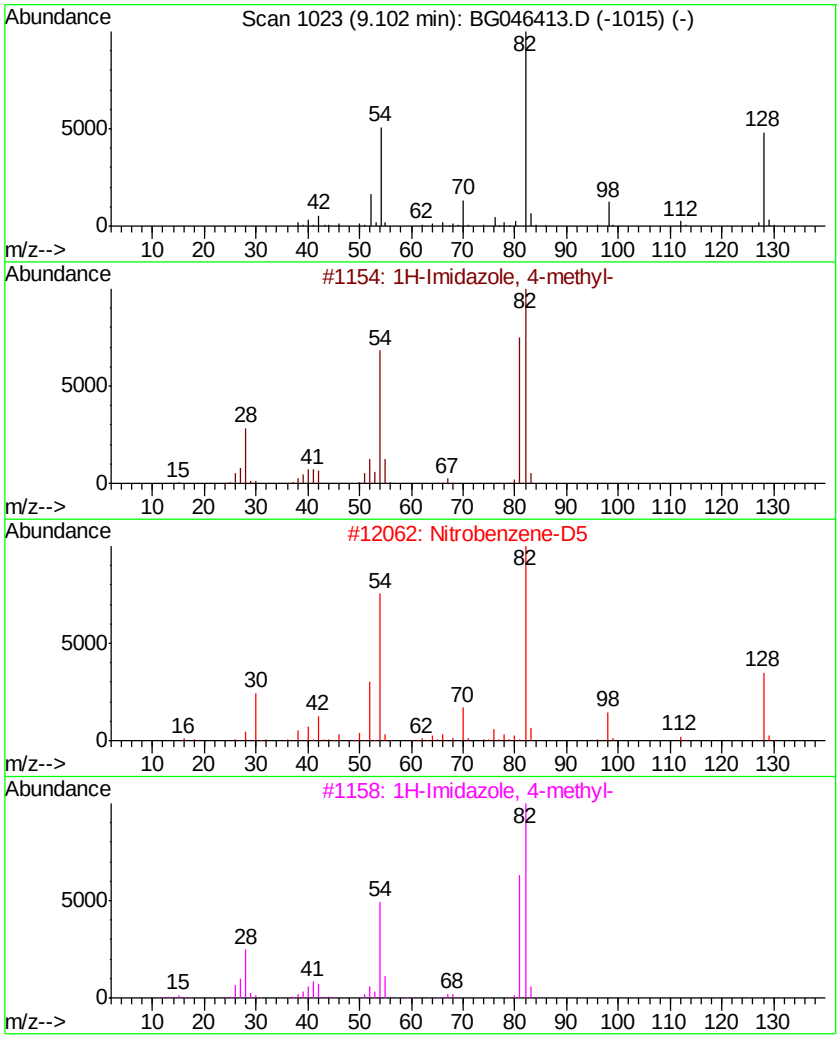
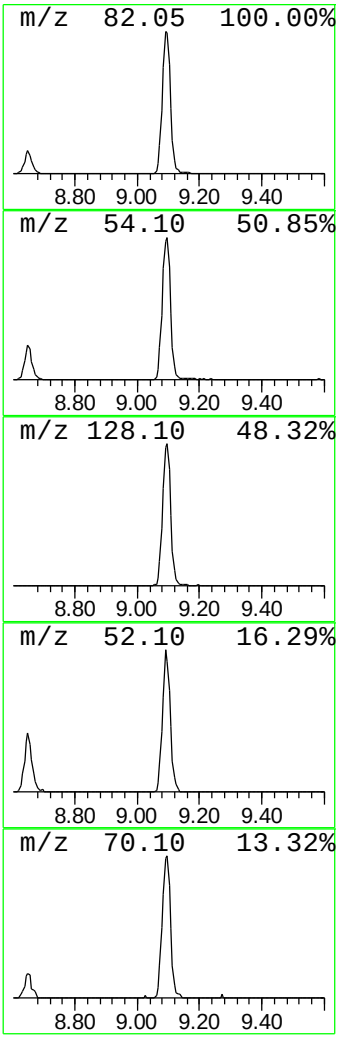
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	12.72 ng/ul	362893	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, 4-methyl-	82	C4H6N2	000822-36-6	38
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	25





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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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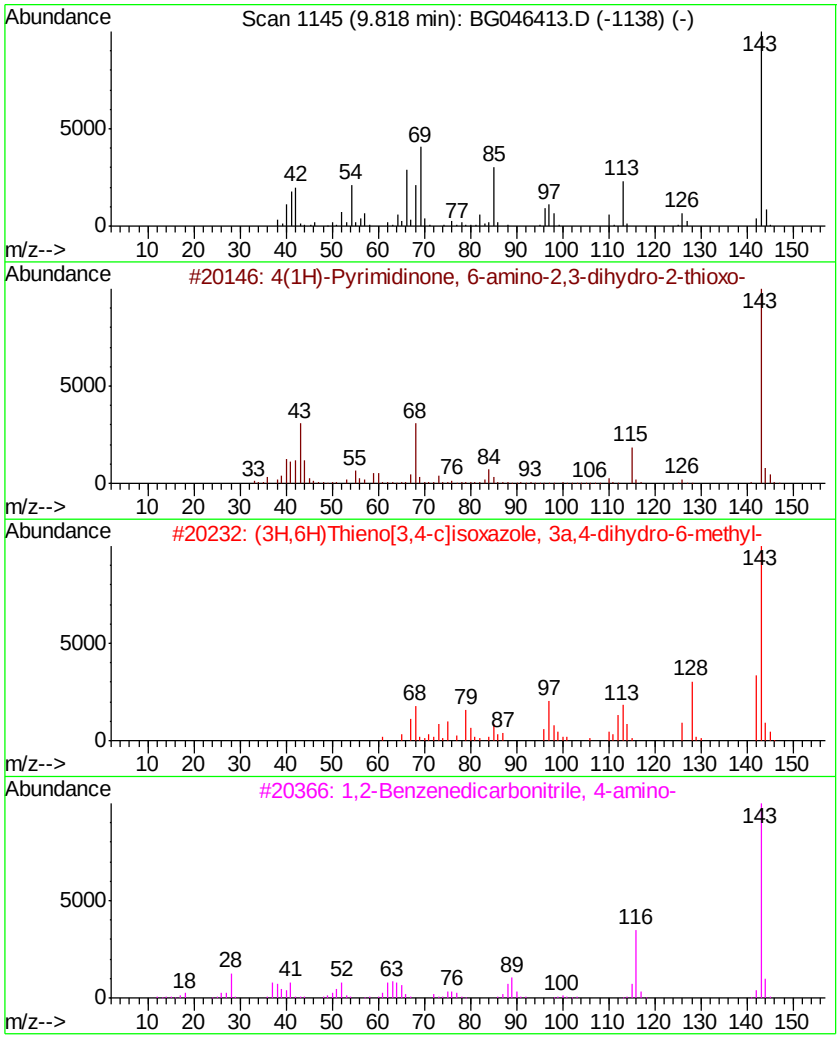
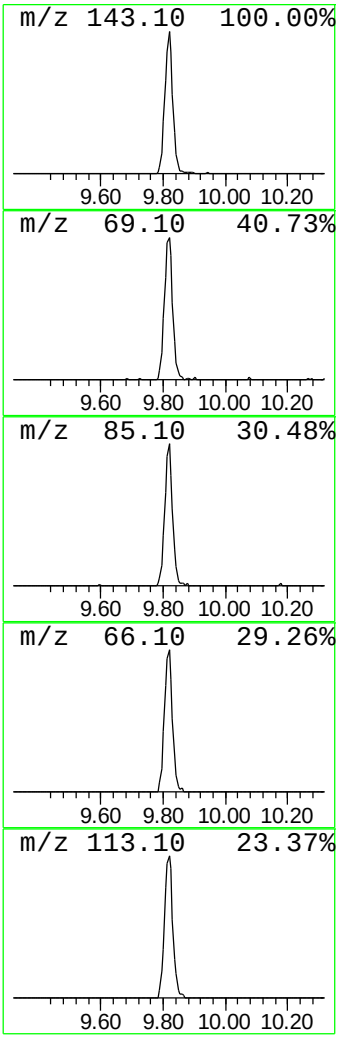
Peak Number 7 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	7.17 ng/ul	310828	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	25
2	(3H,6H)Thieno[3,4-c]isoxazole, 3...	143	C6H9NOS	1000115-56-0	16
3	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
4	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
5	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12





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Quant Title : SVOA CALIBRATION

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

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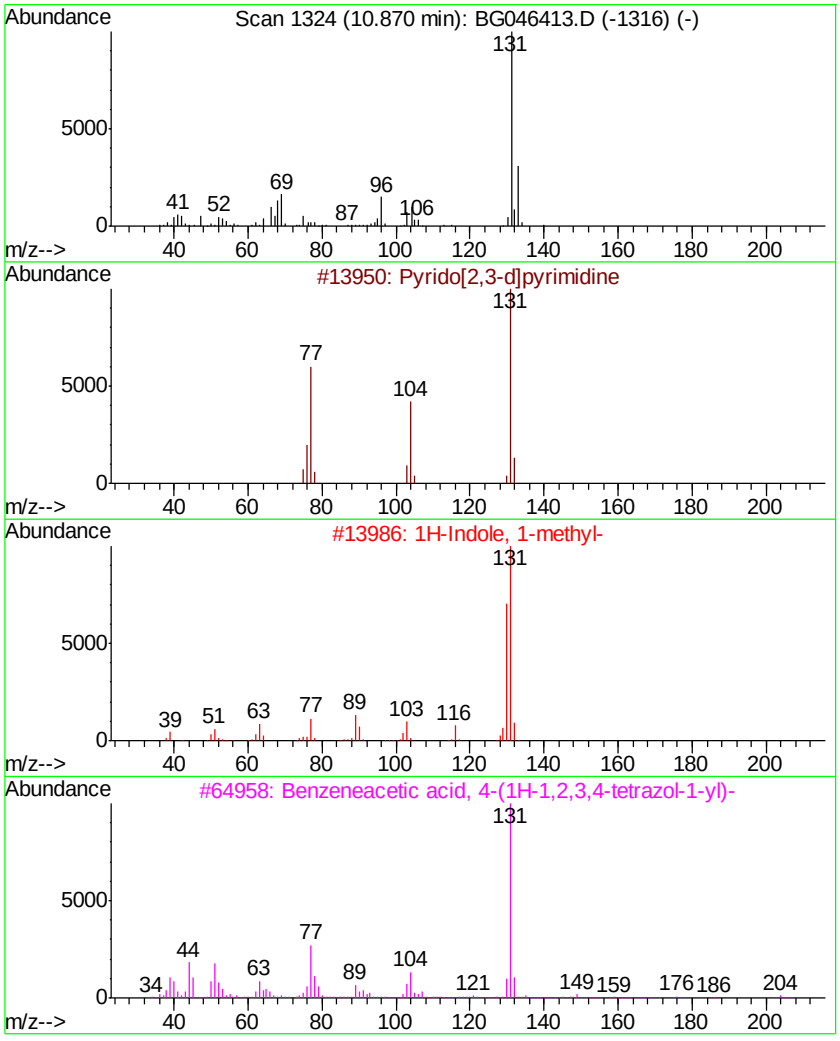
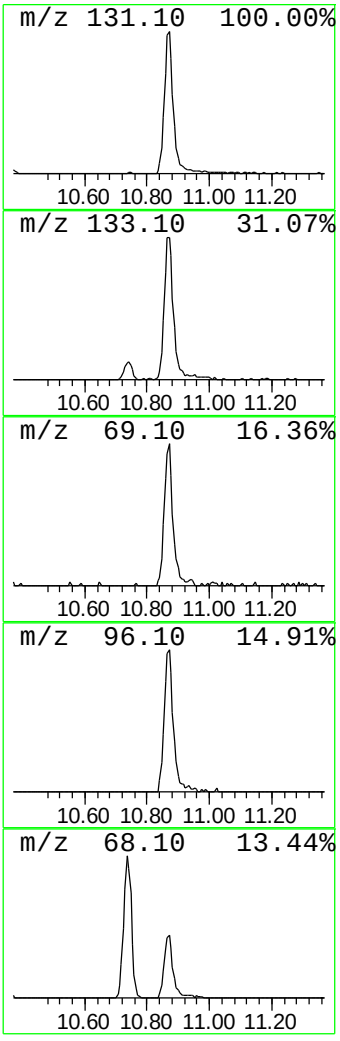
Peak Number 8 unknown-05 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	7.28 ng/ul	315330	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]pyrimidine	131	C7H5N3	000254-61-5	40
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	38
3	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
4	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	28
5	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9





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ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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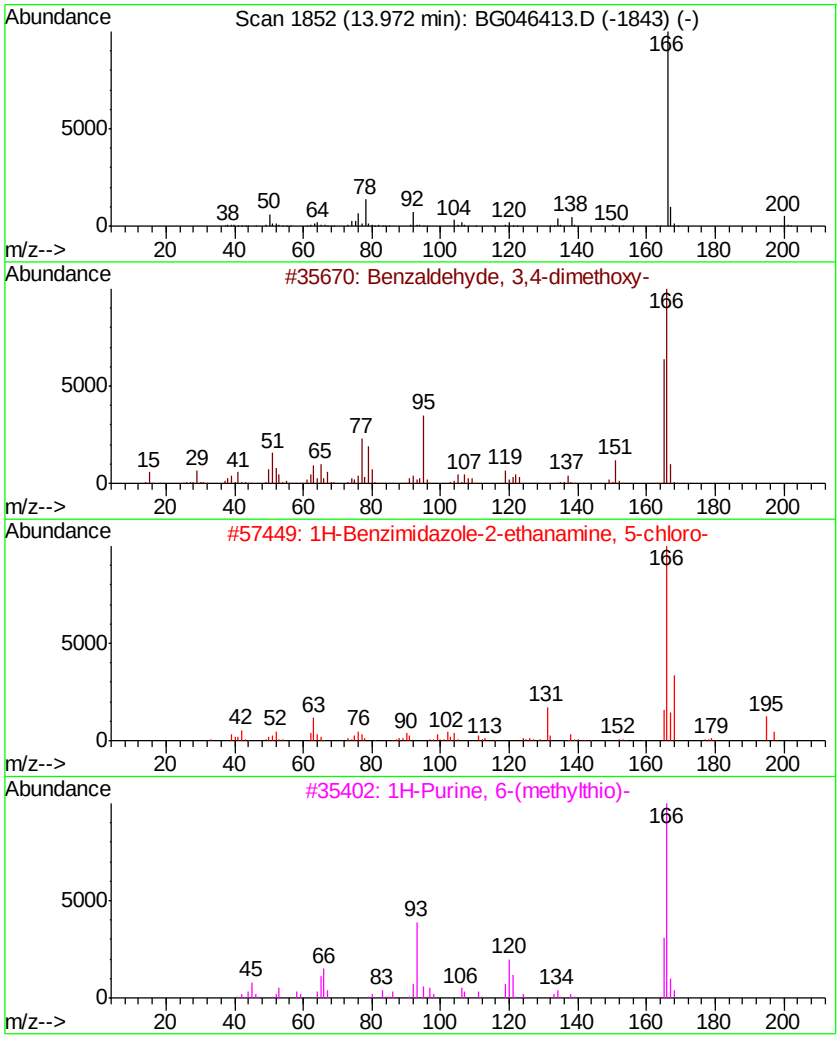
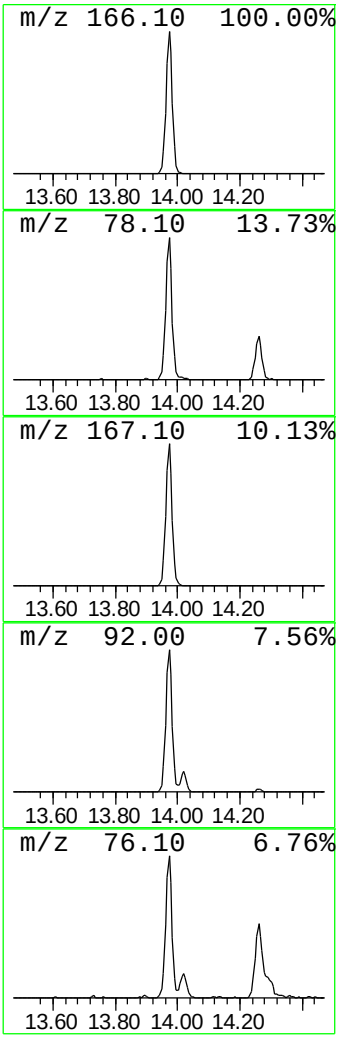
Peak Number 9 unknown-06 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	13.10 ng/ul	801334	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	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
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





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Quant Title : SVOA CALIBRATION

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

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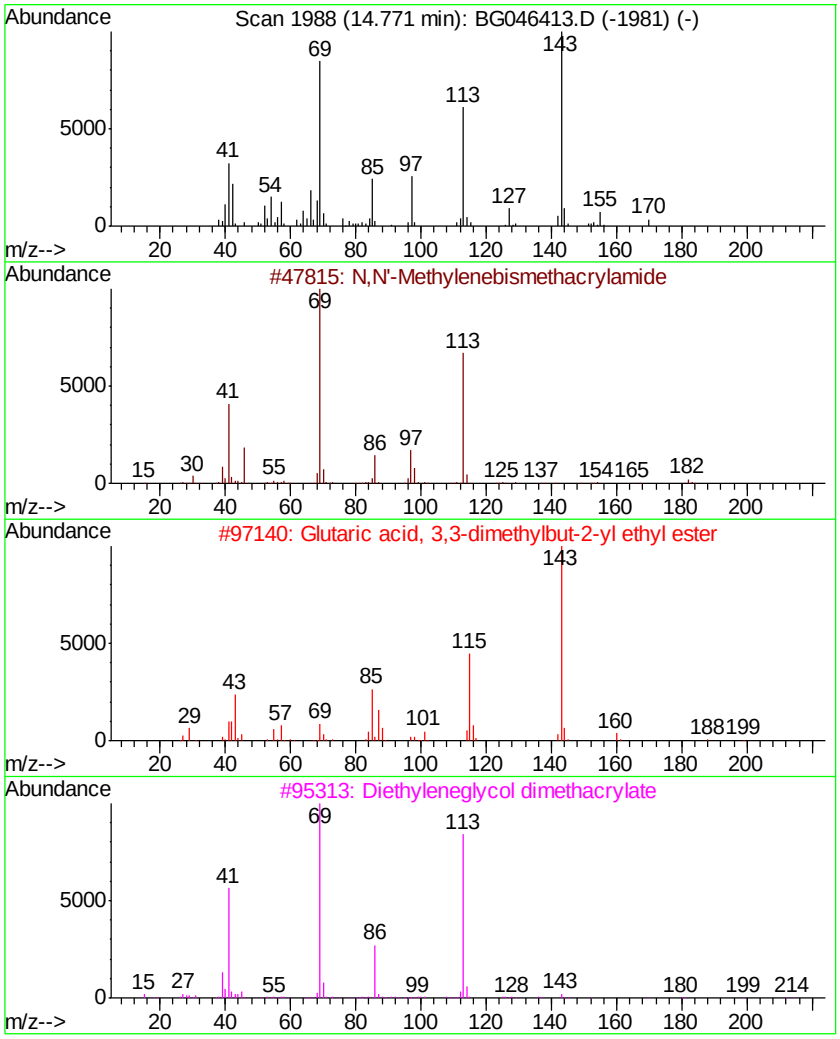
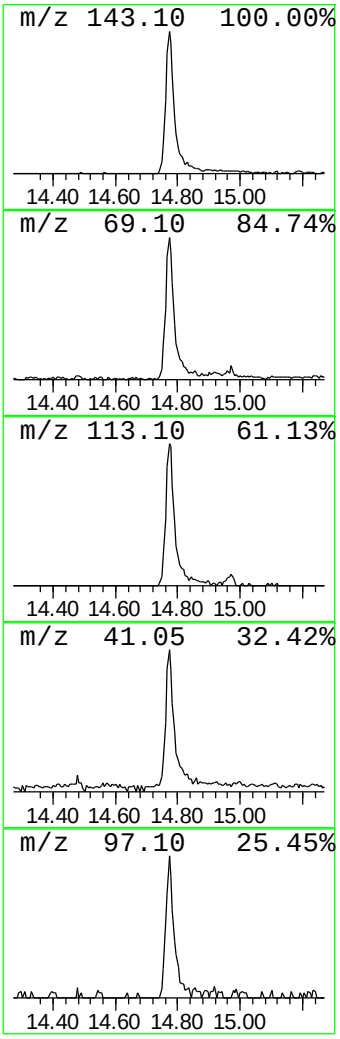
Peak Number 10 unknown-07 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.36 ng/ul	205552	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	35
2	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	27
3	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	25
4	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	22
5	3-Cyclopentylpropionic acid, pen...	212	C13H24O2	1000292-33-2	14





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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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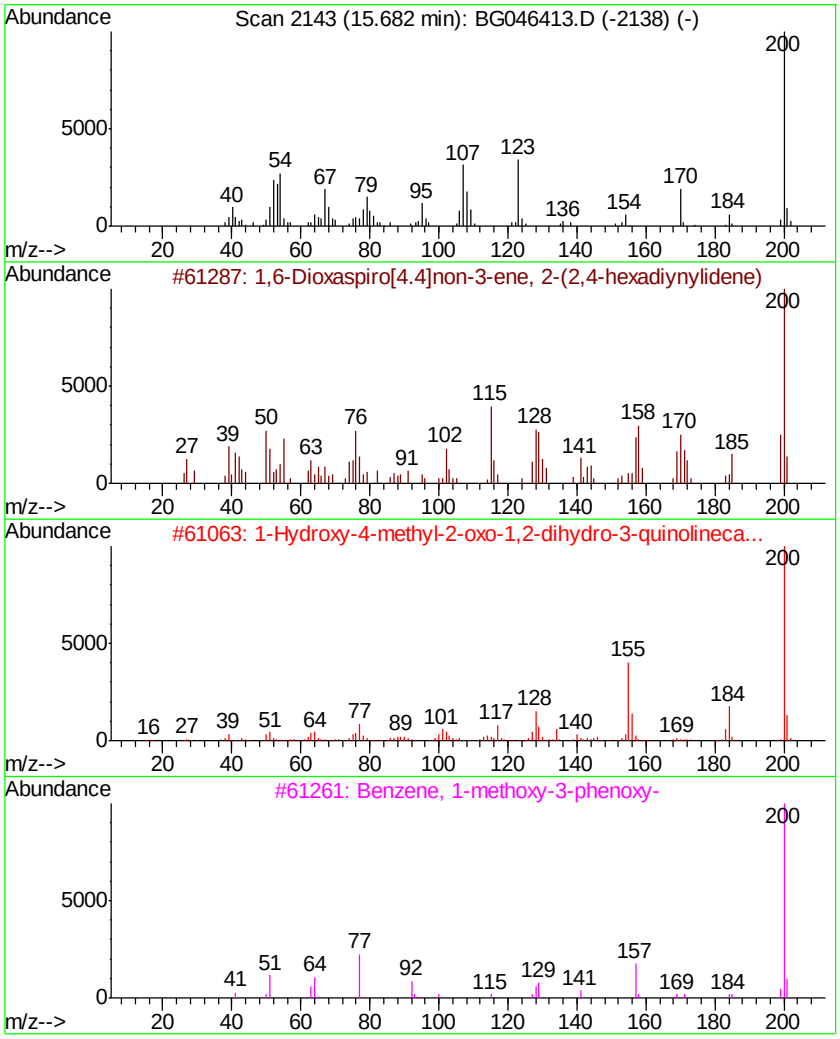
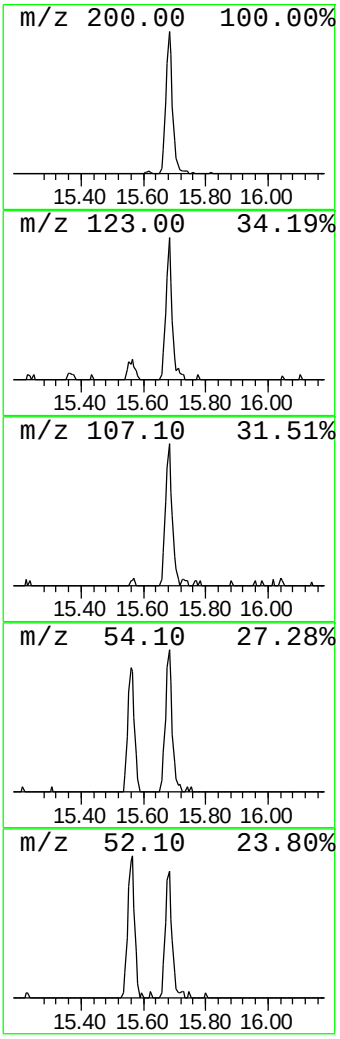
Peak Number 11 unknown-08 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.16 ng/ul	132138	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dioxaspiro[4.4]non-3-ene, 2-...	200	C13H12O2	016863-61-9	27
2	1-Hydroxy-4-methyl-2-oxo-1,2-dih...	200	C11H8N2O2	021771-74-4	22
3	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	14
4	6-Phenyl-1,6-dihydro-furo[3,4-d]...	200	C11H8N2O2	313263-12-6	12
5	Phosphine, methyldiphenyl-	200	C13H13P	001486-28-8	12





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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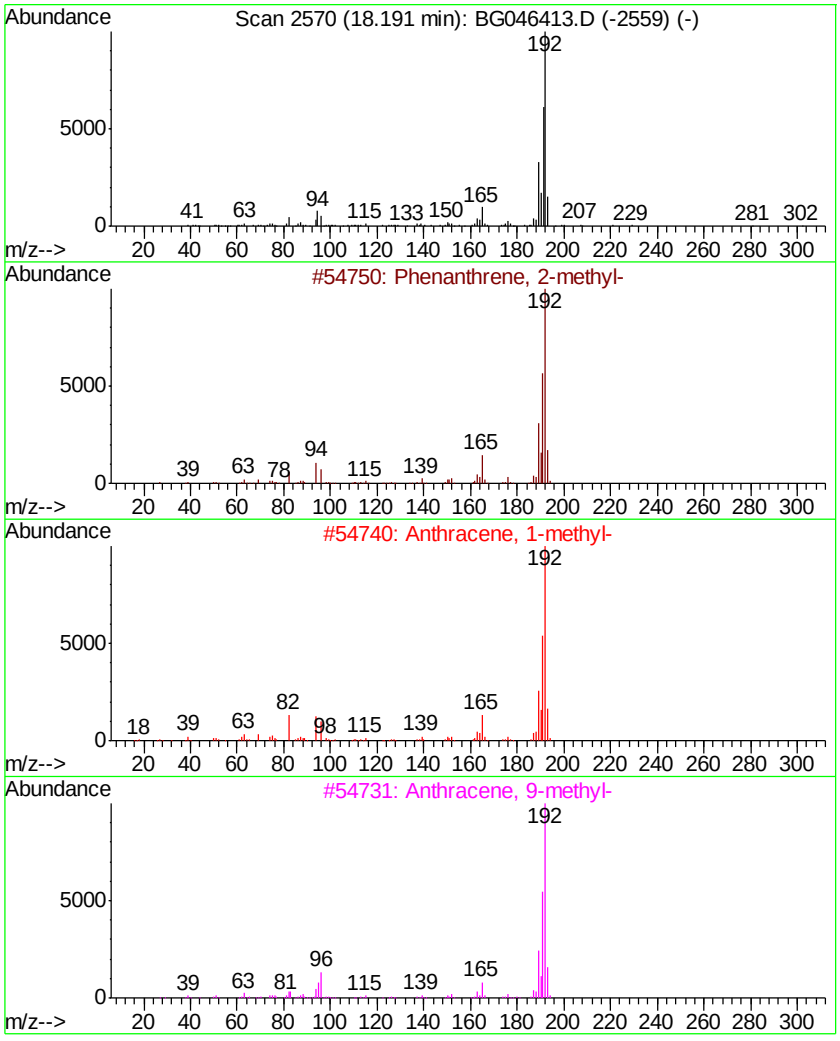
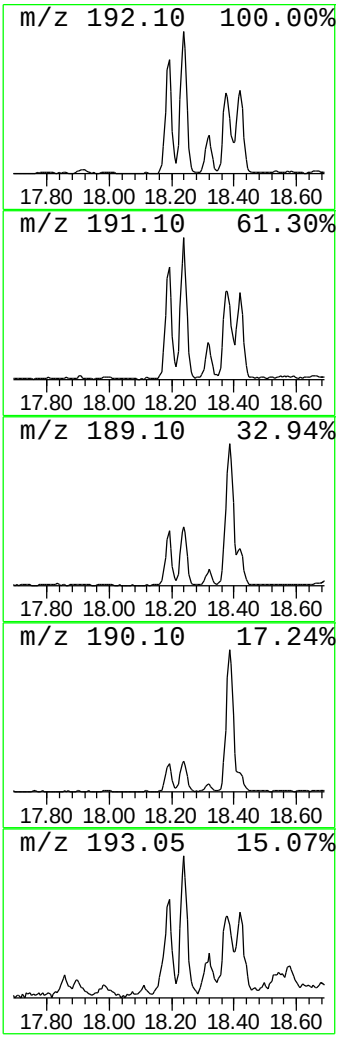
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.51 ng/ul	249249	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Quant Title : SVOA CALIBRATION

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

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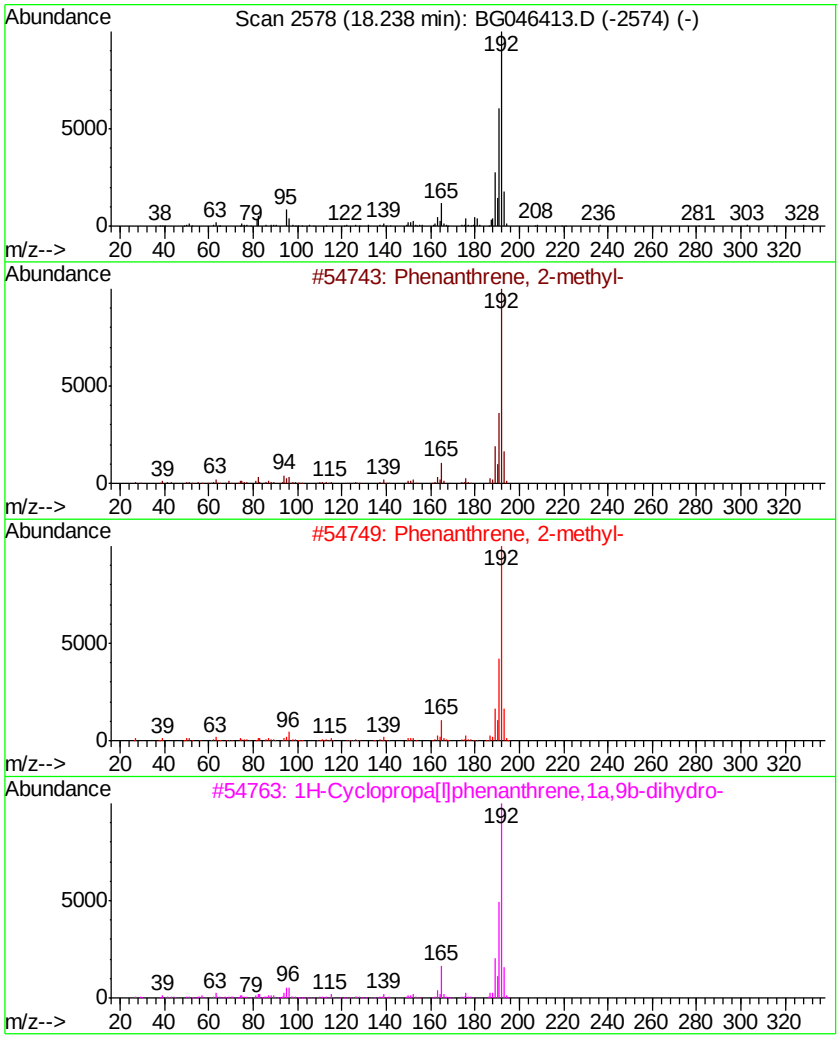
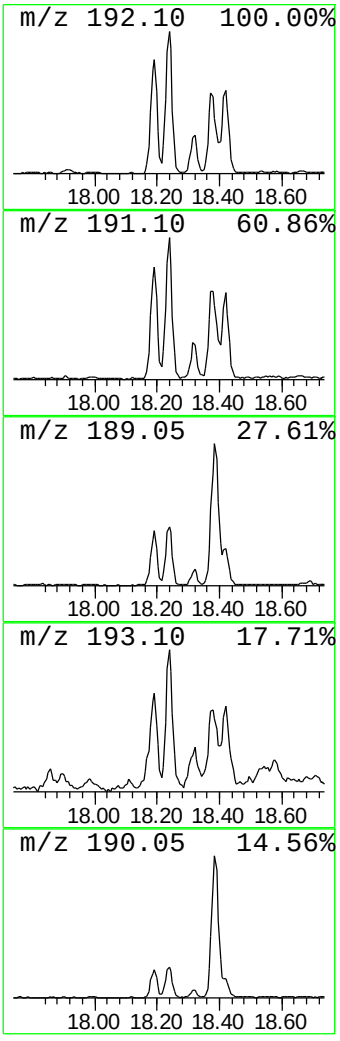
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.21 ng/ul	299601	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Quant Title : SVOA CALIBRATION

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

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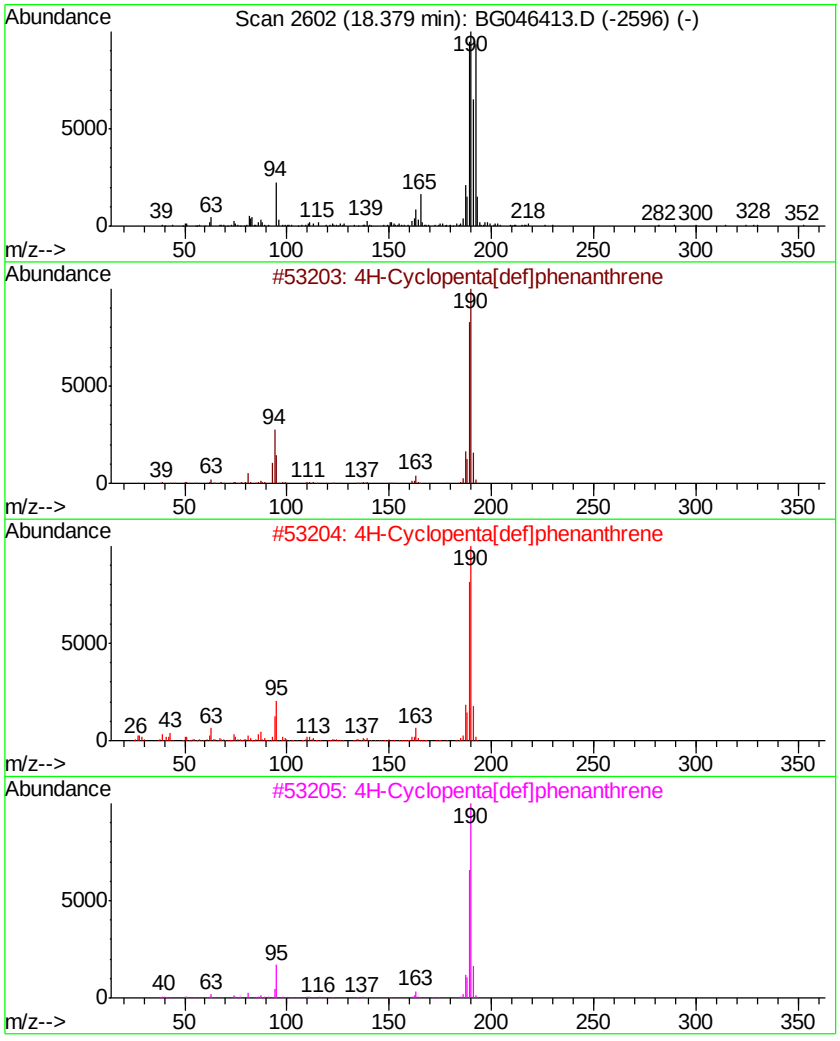
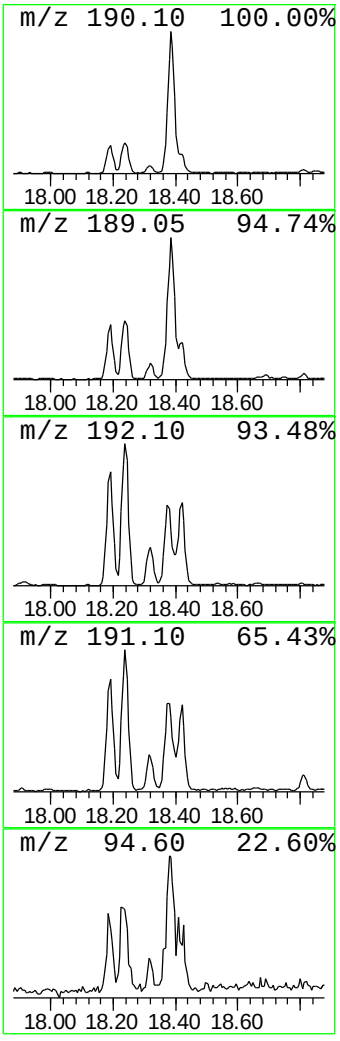
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.69 ng/ul	333820	Phenanthrene-d10	17.32

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	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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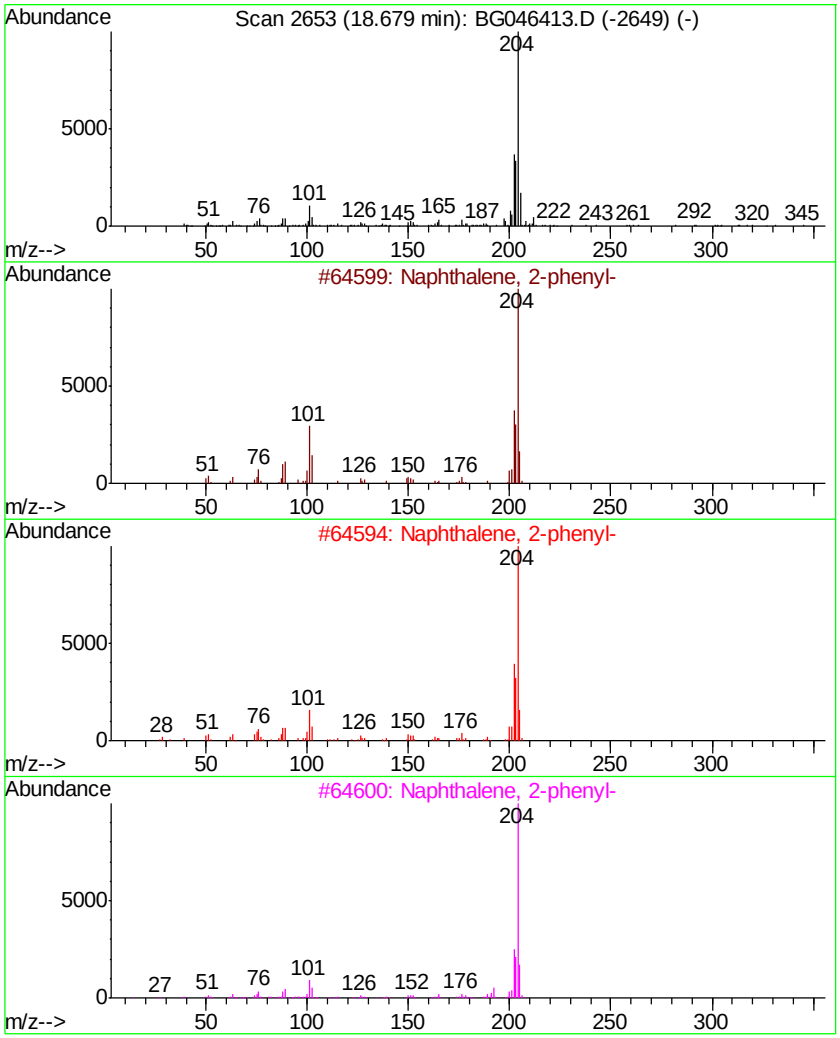
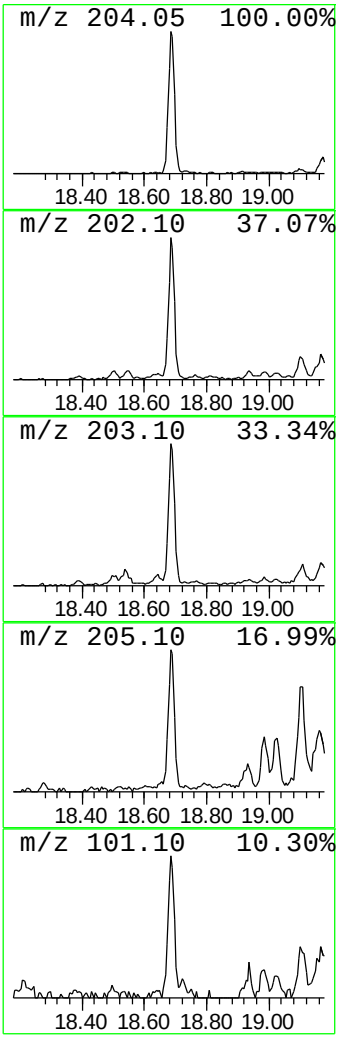
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.28 ng/ul	233134	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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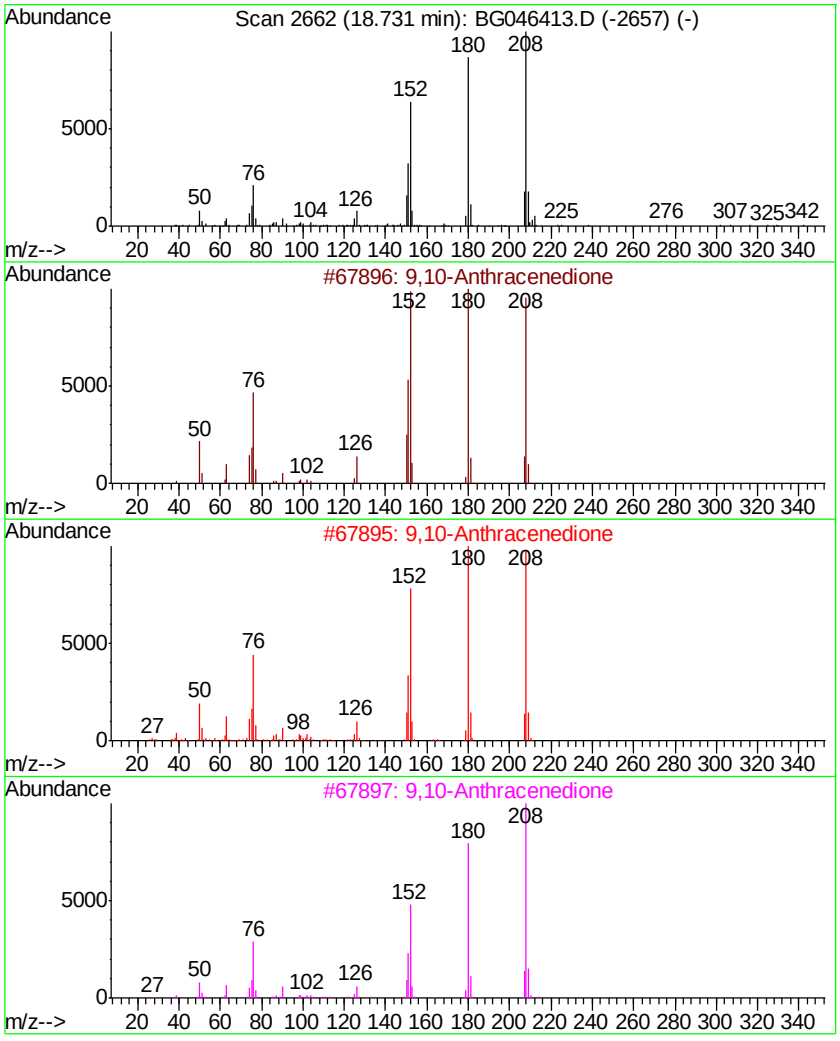
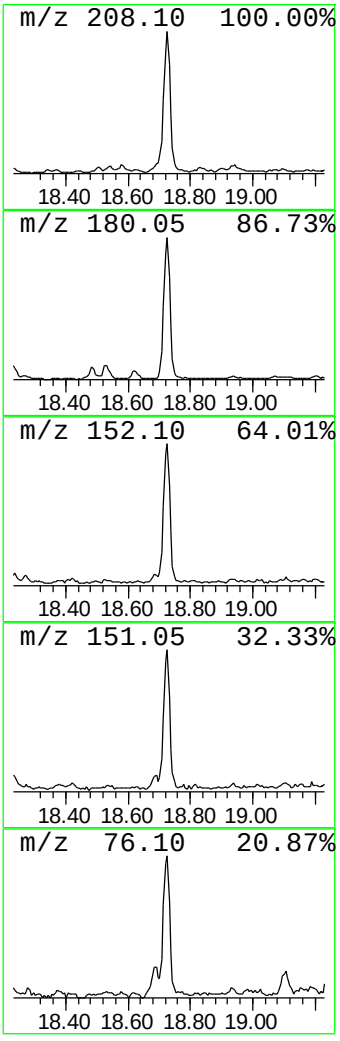
Peak Number 16 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	3.57 ng/ul	253564	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53





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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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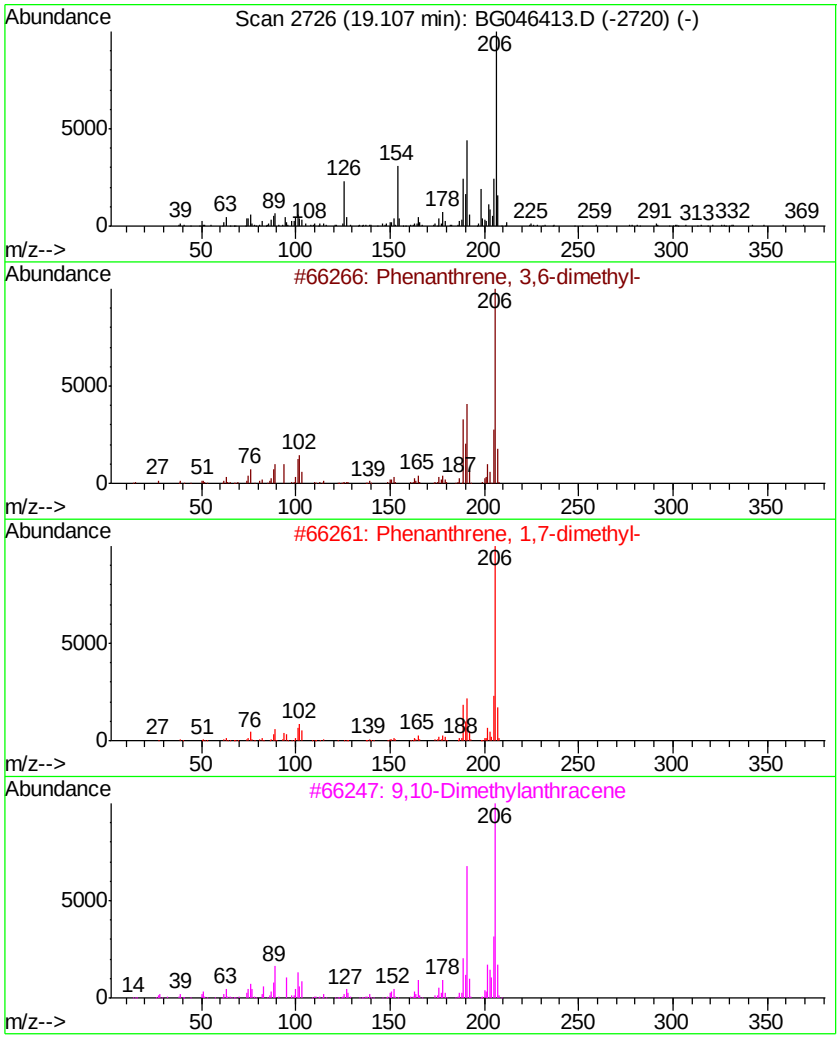
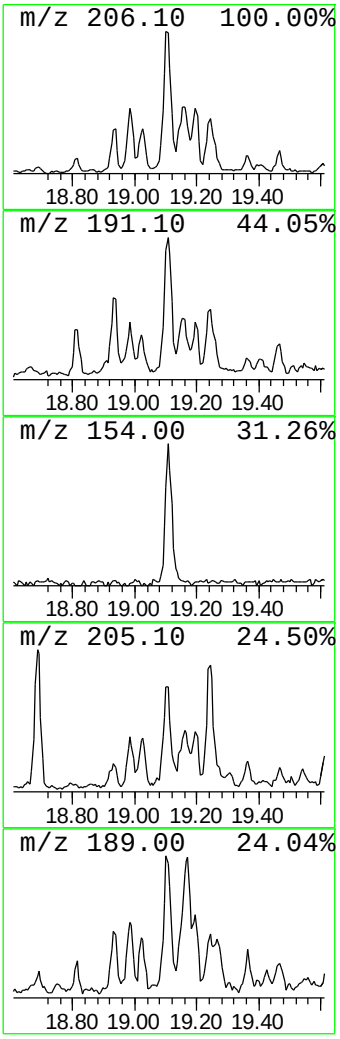
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.68 ng/ul	190774	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58





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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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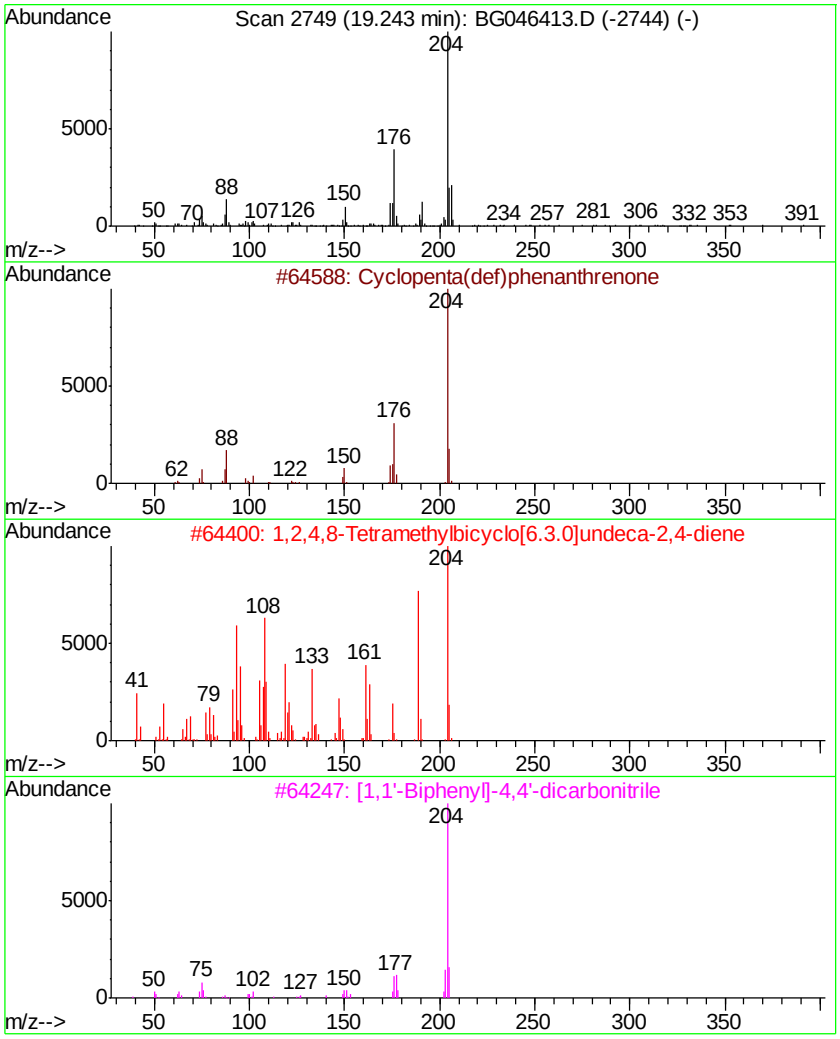
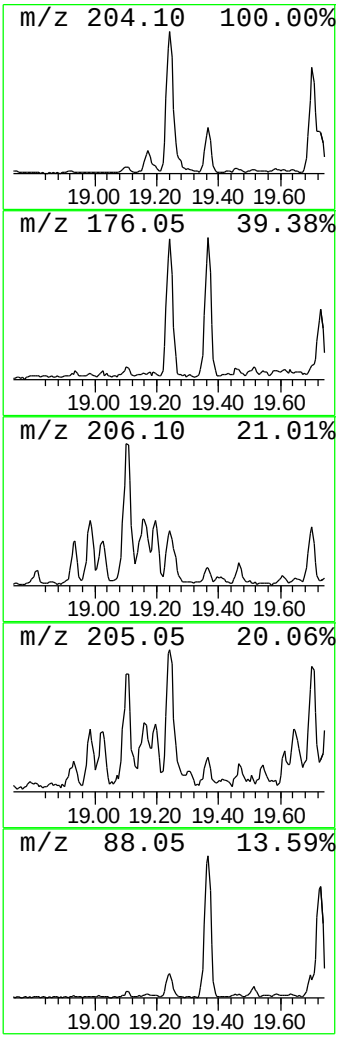
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.92 ng/ul	207450	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	38





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ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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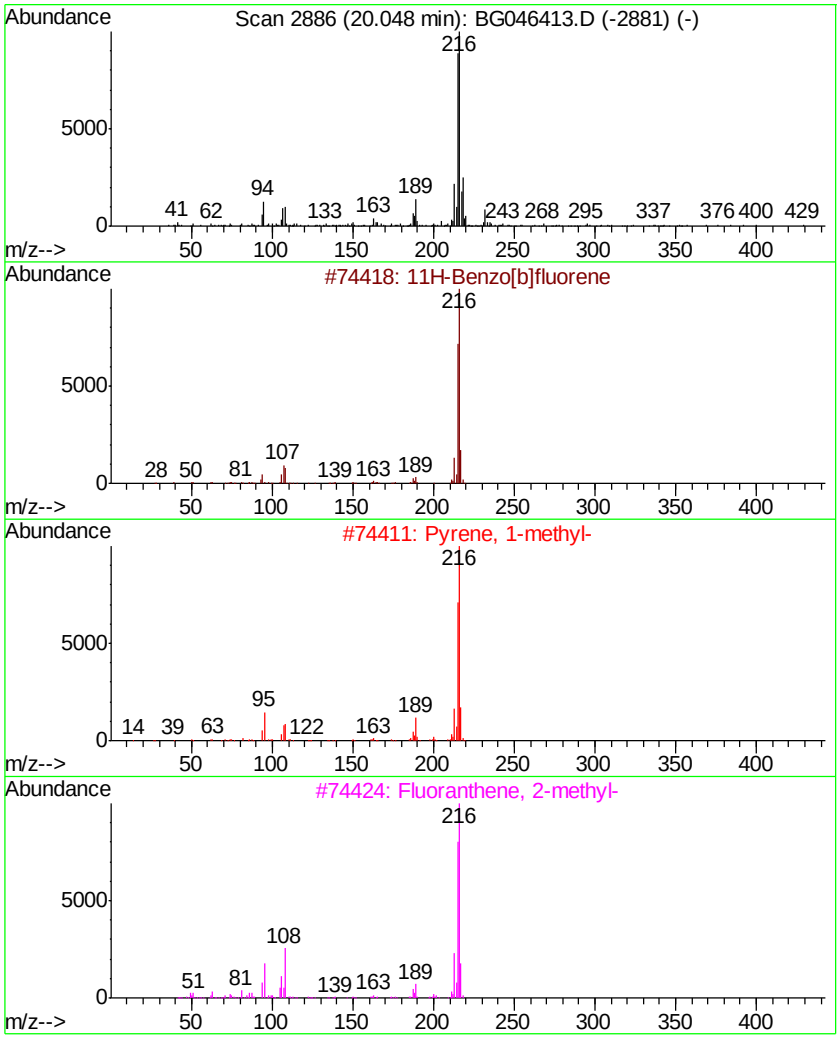
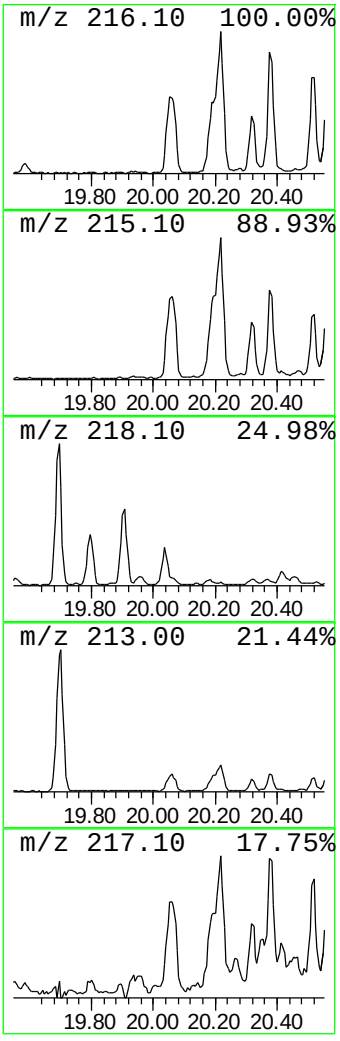
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.06 ng/ul	287349	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Sample : L3635-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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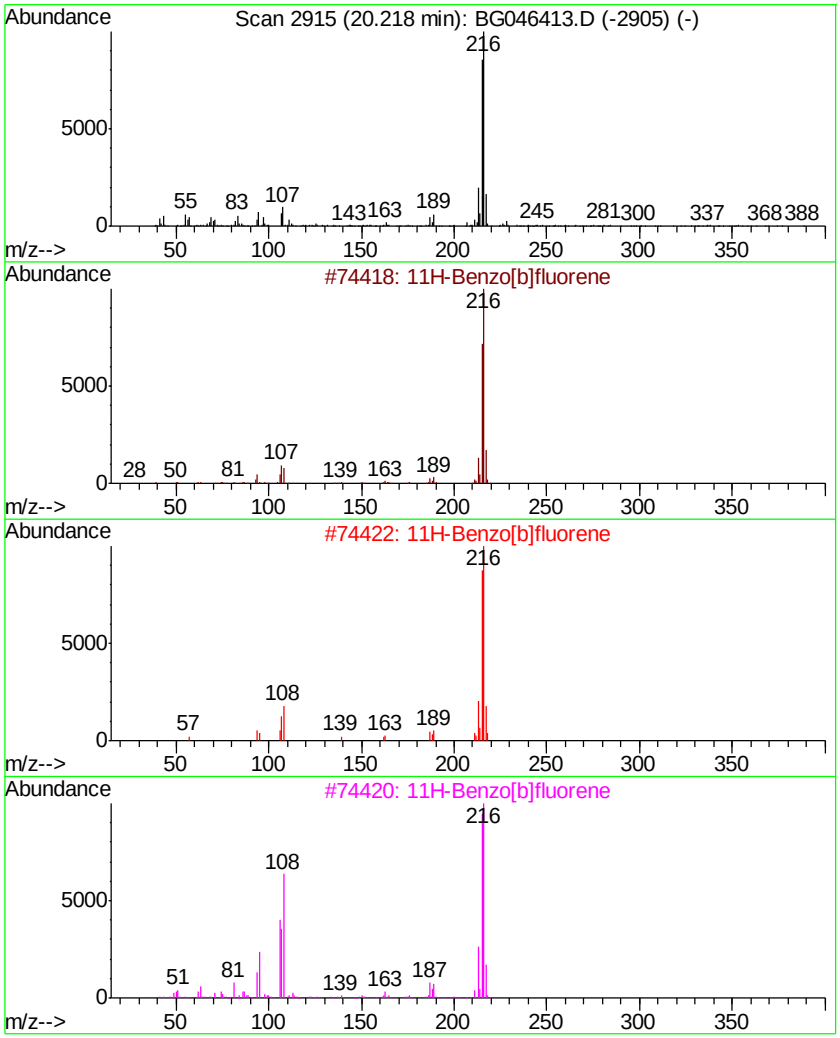
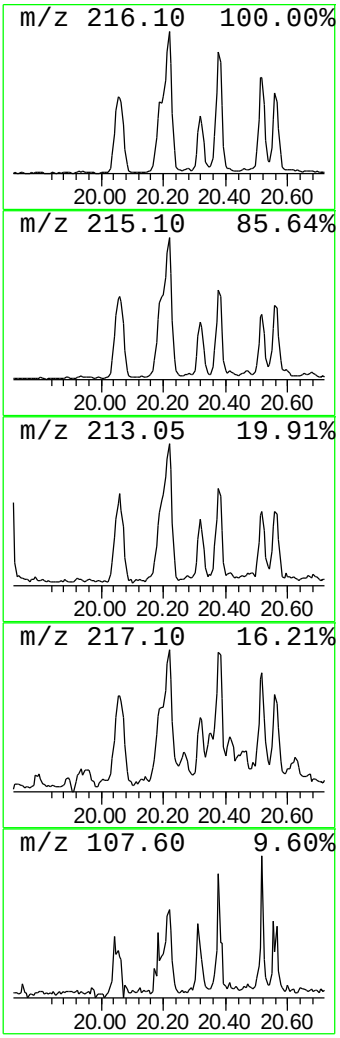
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	3.27 ng/ul	455740	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Sample : L3635-17
Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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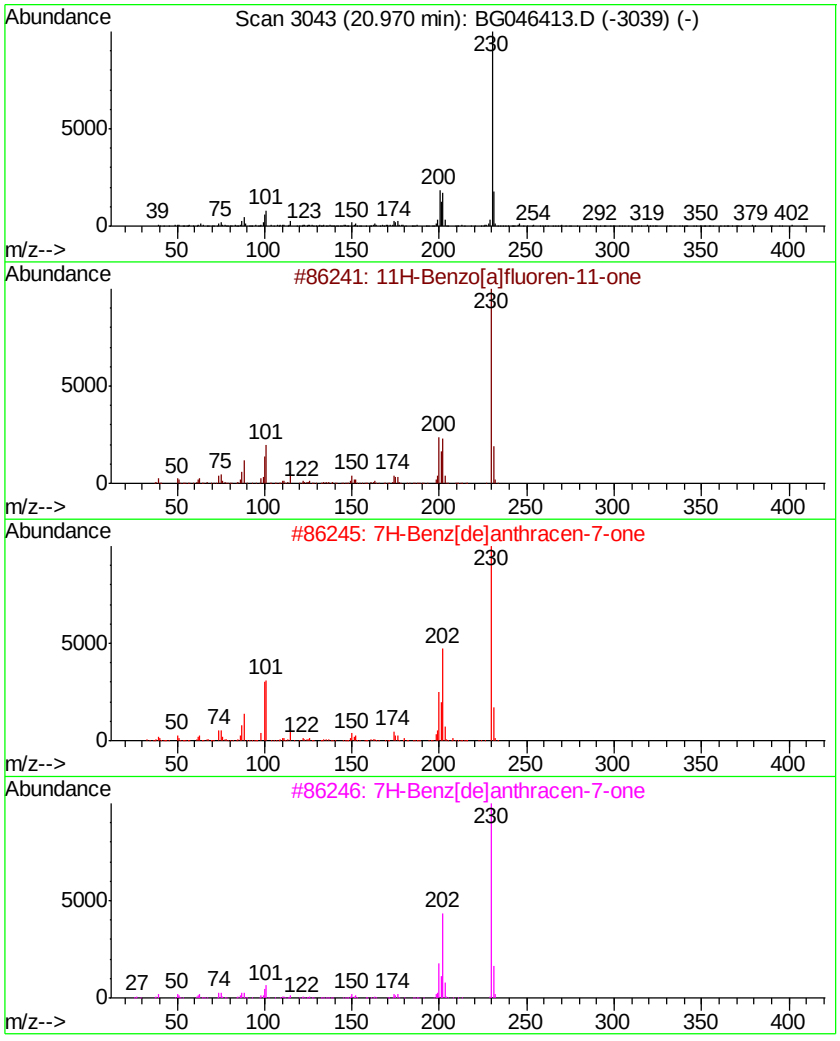
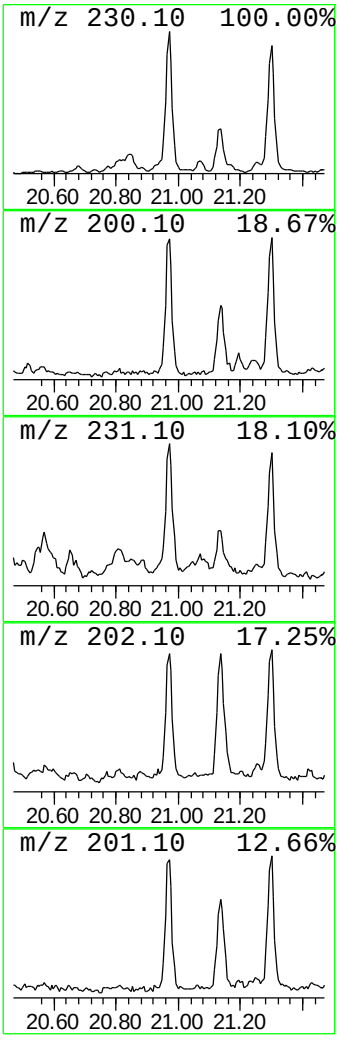
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.04 ng/ul	284852	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Misc :
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Instrument : BNA_G
ClientSampleId : BFMJ3

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Quant Title : SVOA CALIBRATION

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

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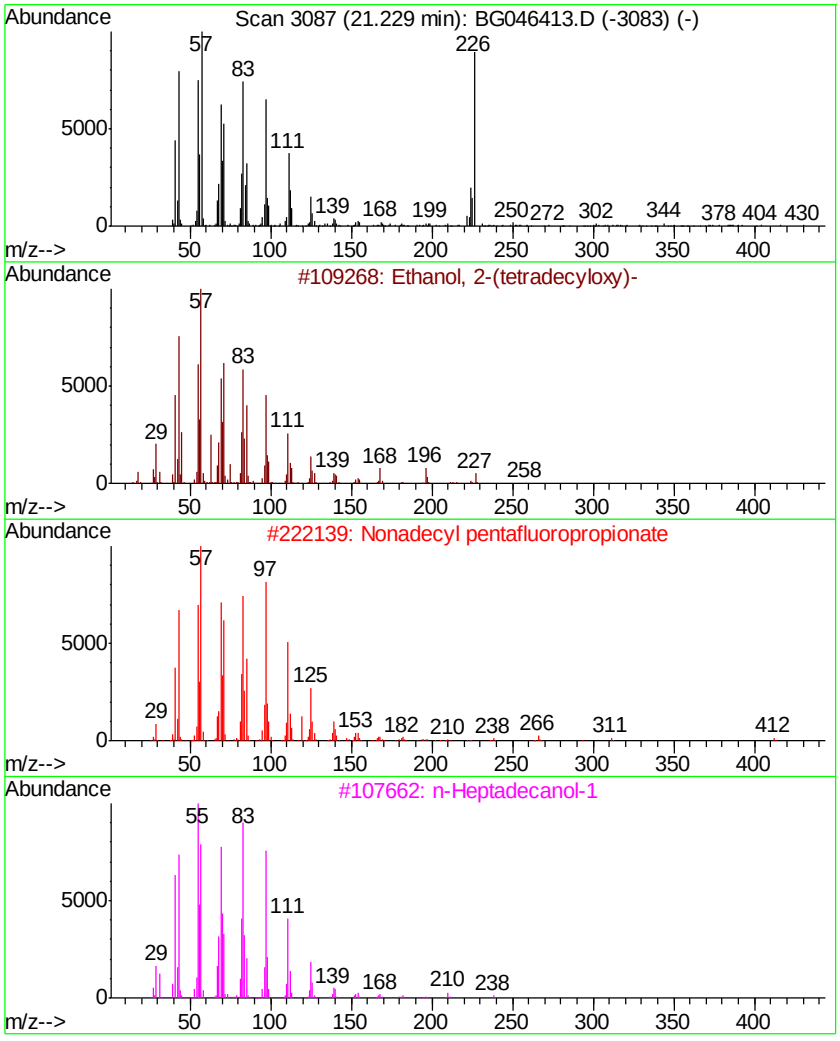
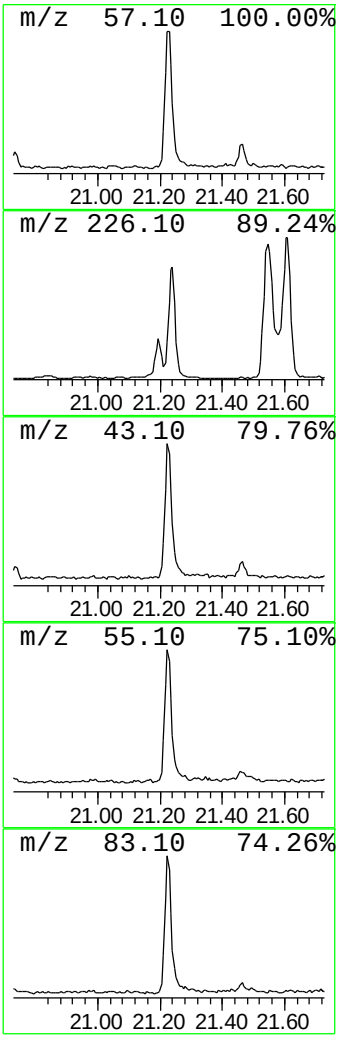
Peak Number 22 Ethanol, 2-(tetradecyloxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	6.19 ng/ul	863108	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	84
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	64
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	55
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	55
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	55





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Quant Title : SVOA CALIBRATION

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

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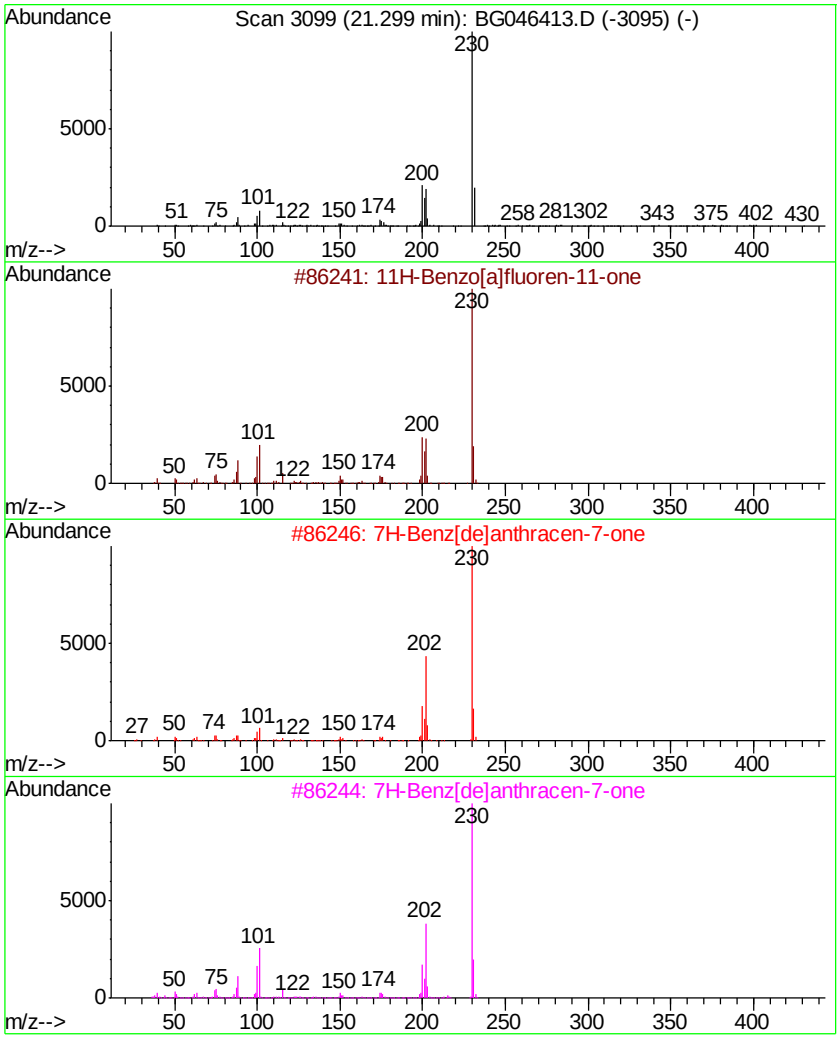
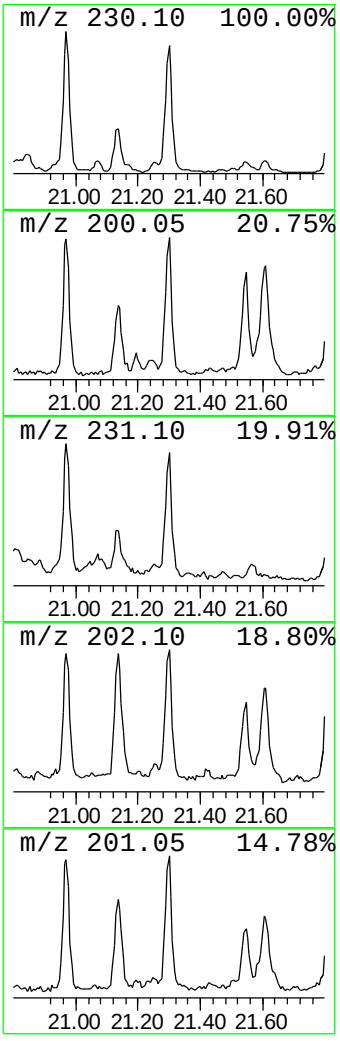
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.06 ng/ul	287658	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Quant Title : SVOA CALIBRATION

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

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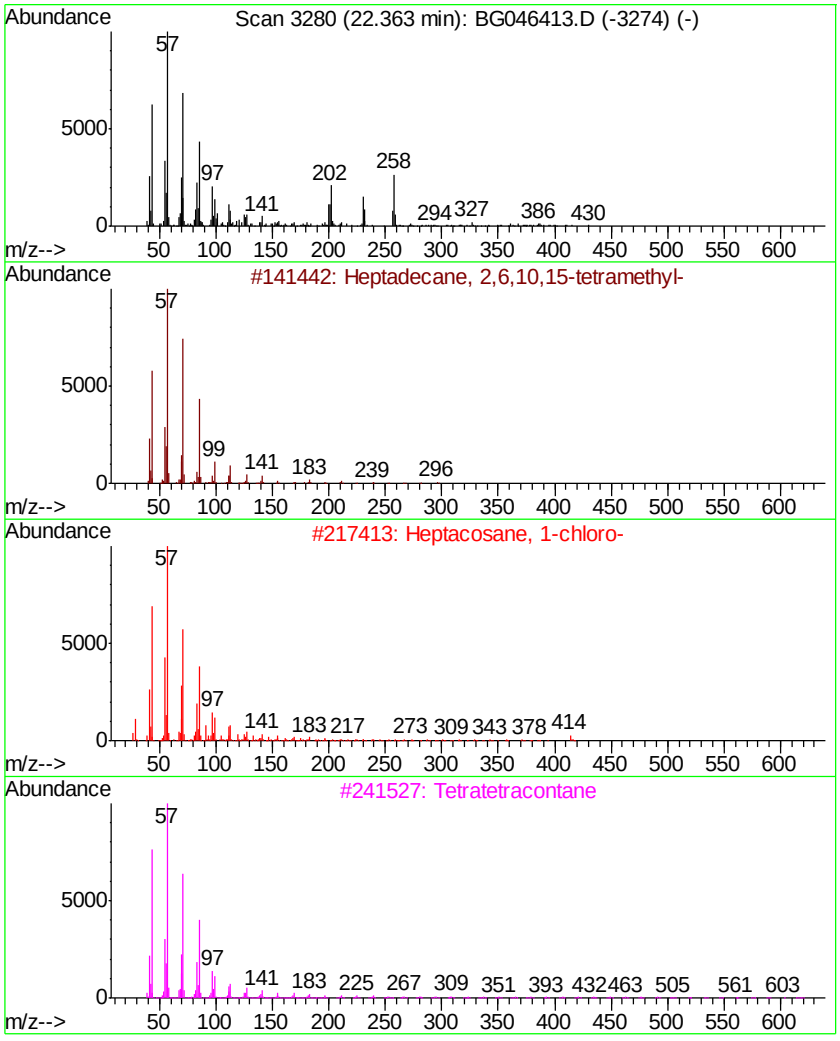
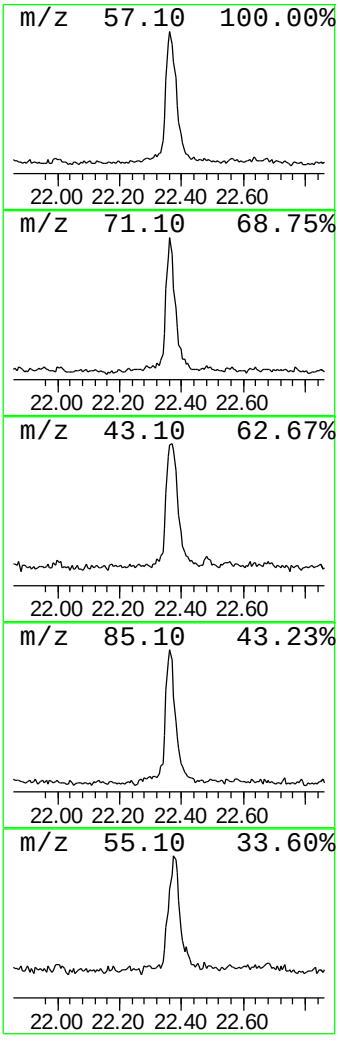
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	2.56 ng/ul	356825	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	55
3	Tetratetracontane	619	C44H90	007098-22-8	50
4	Docosane	310	C22H46	000629-97-0	50
5	Heptacosane	380	C27H56	000593-49-7	50





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Quant Title : SVOA CALIBRATION

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

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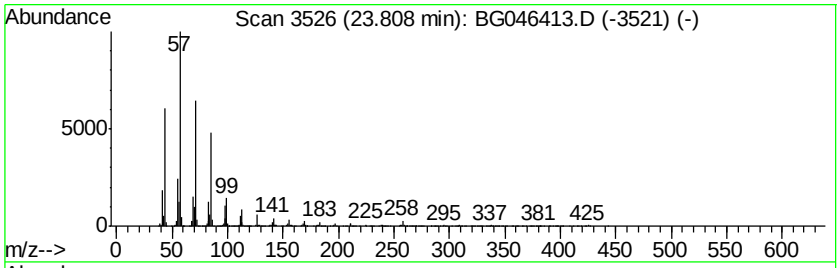
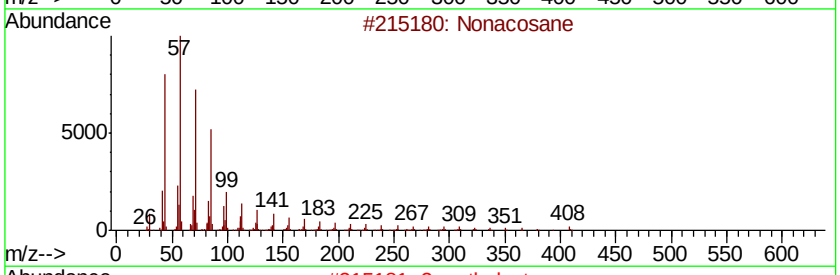
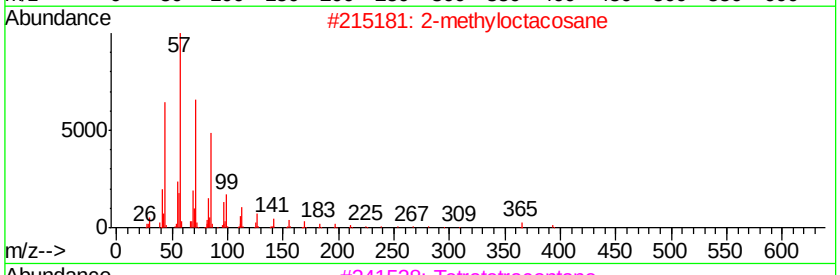
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 3

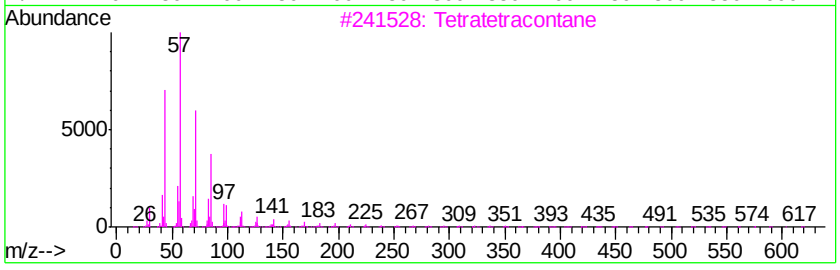
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	15.23 ng/ul	1370790	Perylene-d12	24.68

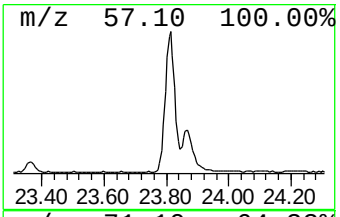
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	93
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Triacontane	422	C30H62	000638-68-6	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87

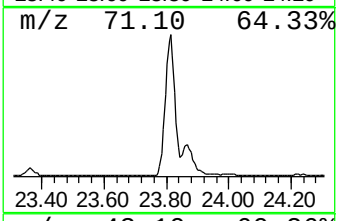


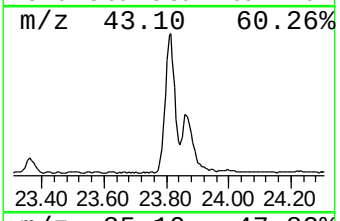


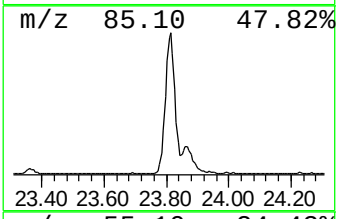


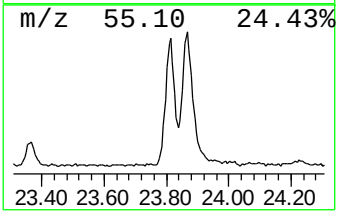












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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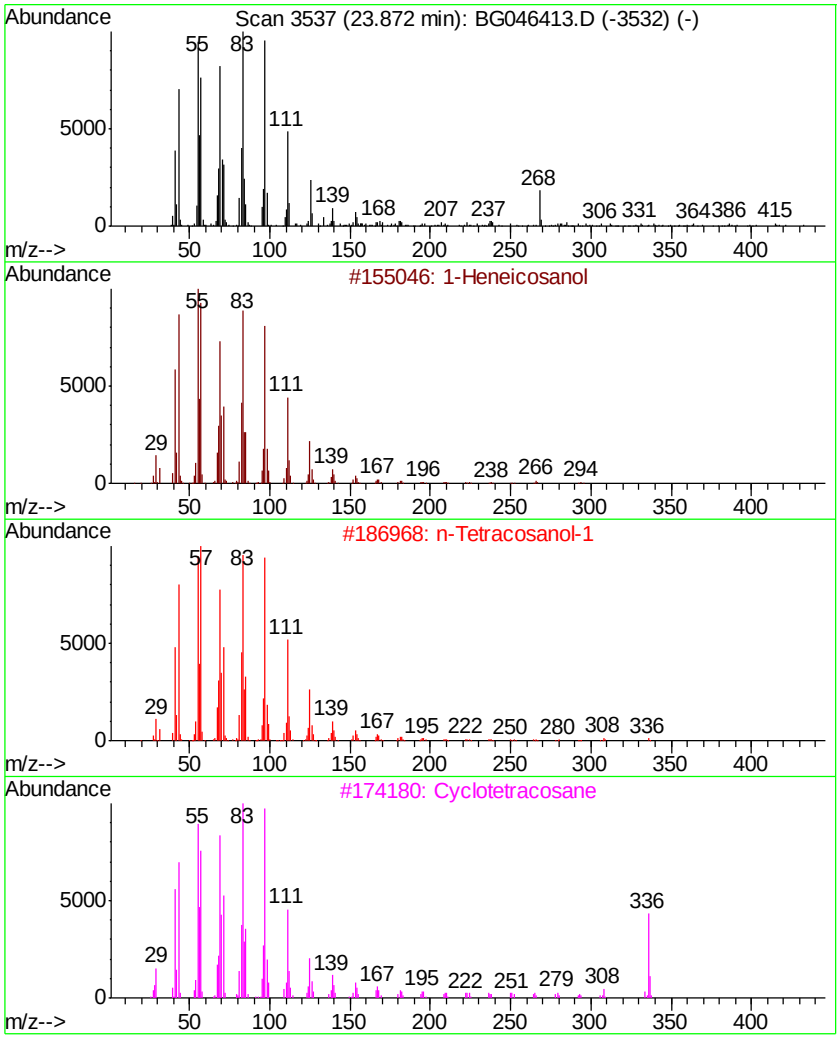
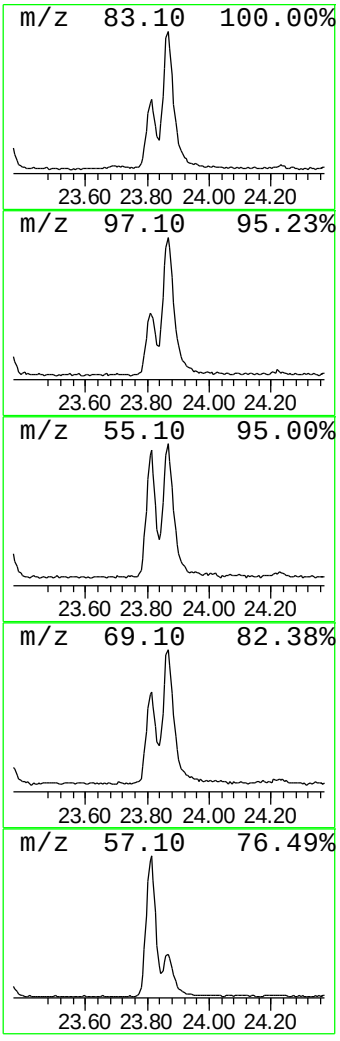
Peak Number 26 1-Heneicosanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.87	9.52 ng/ul	856543	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	Cyclotetracosane	336	C24H48	000297-03-0	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	87
5	10-Heneicosene (c,t)	294	C21H42	095008-11-0	86





Library Search Compound Report

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Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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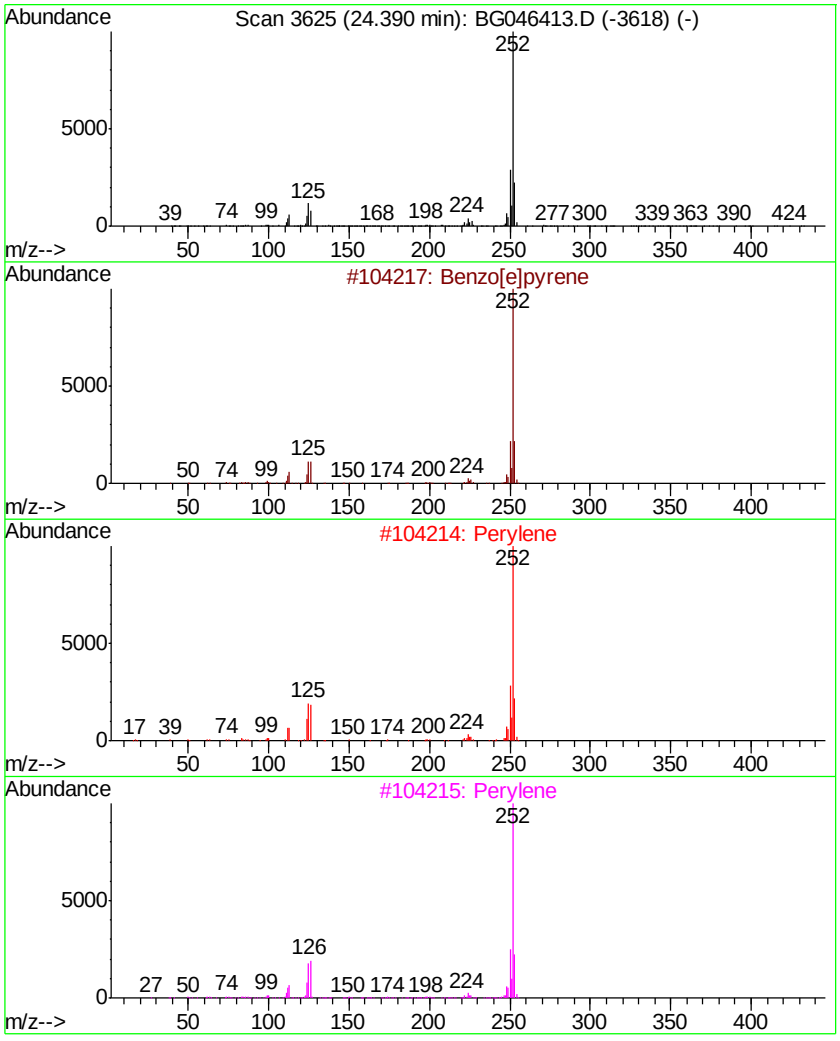
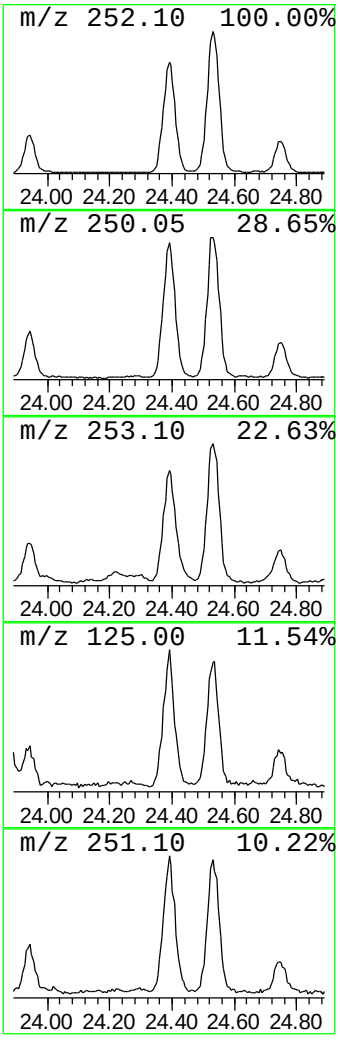
Peak Number 27 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	8.46 ng/ul	761647	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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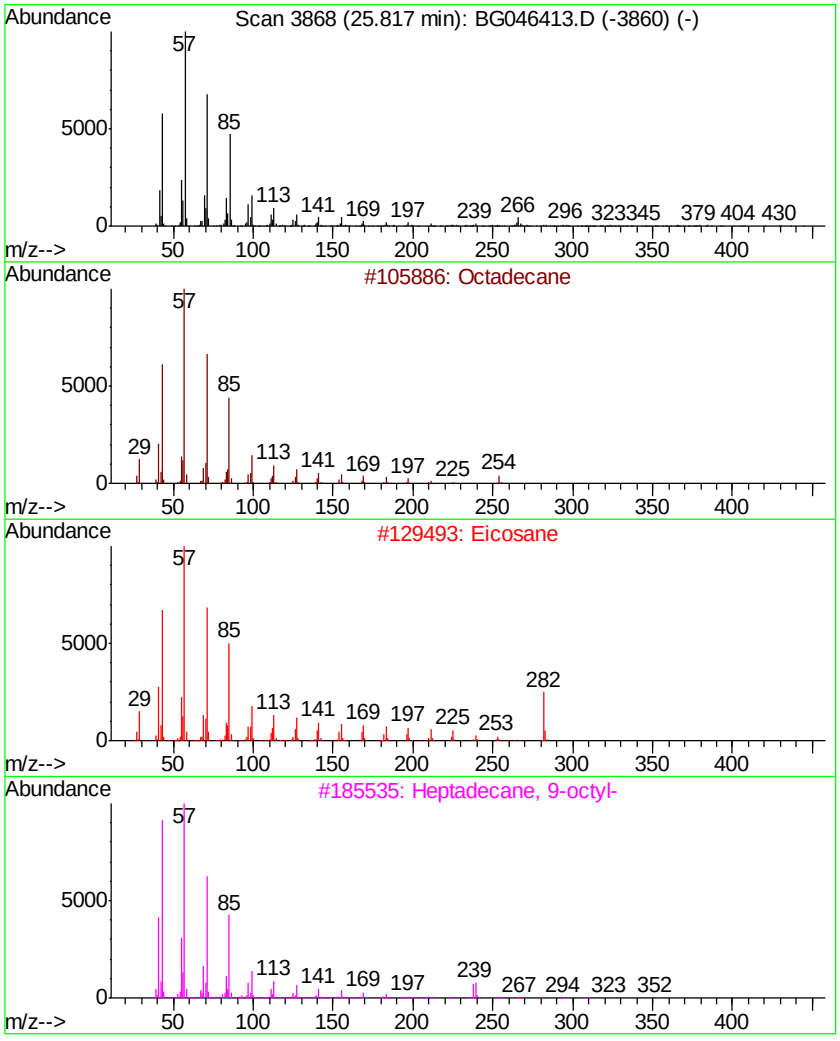
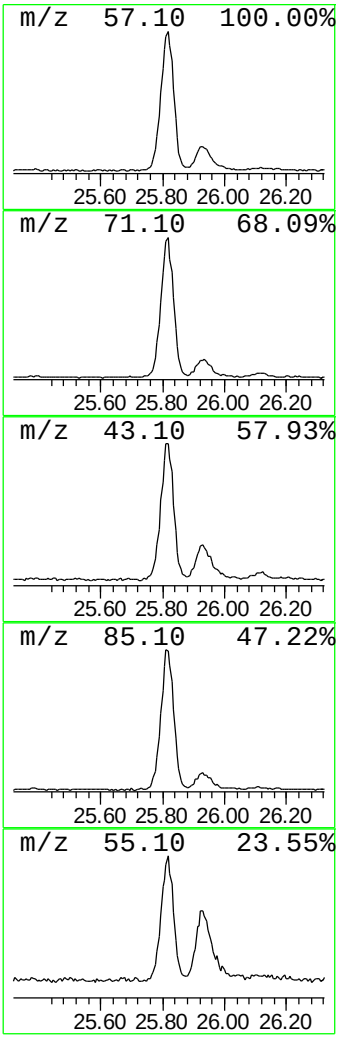
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.82	11.59 ng/ul	1042850	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	92





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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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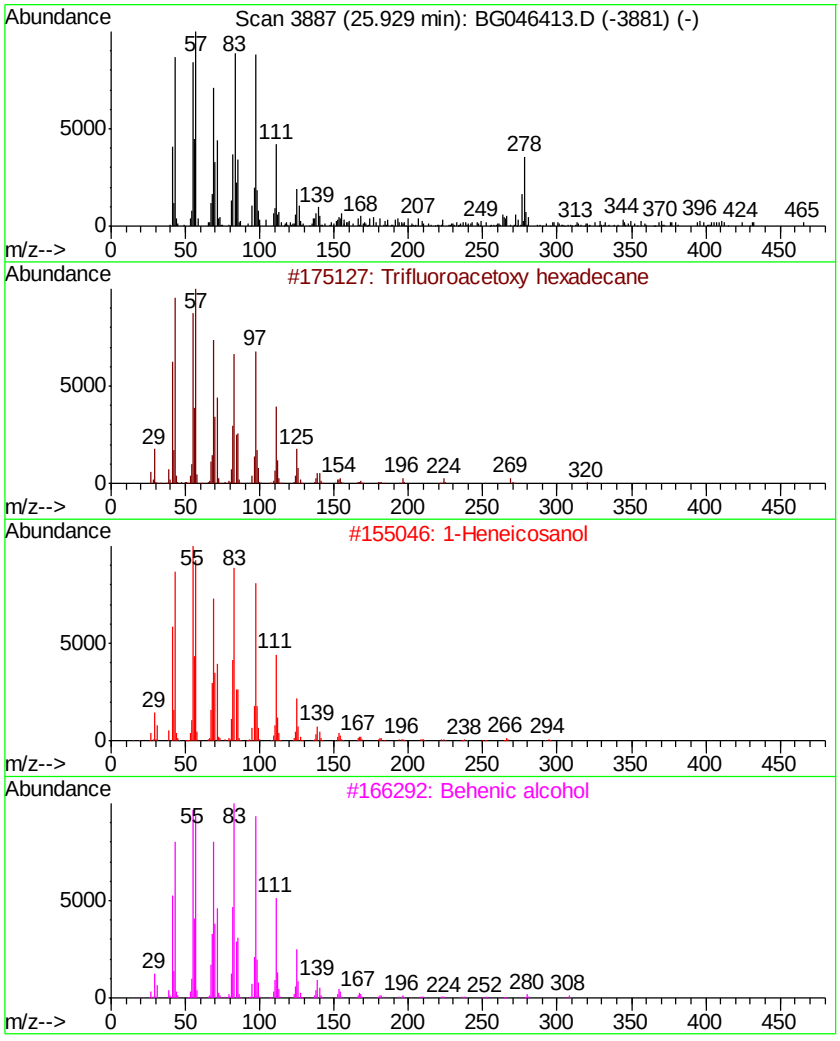
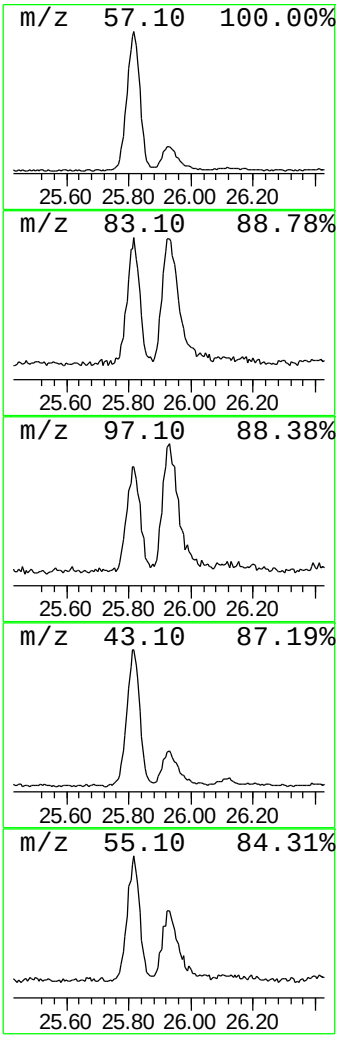
Peak Number 29 Trifluoroacetoxy hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.93	3.70 ng/ul	332705	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	9-Nonadecene	266	C19H38	031035-07-1	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081920\
Data File : BG046413.D
Acq On : 21 Aug 2020 14:40
Operator : CG/JU
Sample : L3635-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMJ3

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	89.9	ng/ul	2563260	1	7.94	570529	20.0
2(3H)-Furanone, 5...	7.11	12.7	ng/ul	360957	1	7.94	570529	20.0
unknown-01	7.27	10.0	ng/ul	286089	1	7.94	570529	20.0
unknown-02	7.47	13.1	ng/ul	373116	1	7.94	570529	20.0
unknown-03	8.65	16.4	ng/ul	467302	1	7.94	570529	20.0
1H-Imidazole, 4-m...	9.10	12.7	ng/ul	362893	1	7.94	570529	20.0
unknown-04	9.82	7.2	ng/ul	310828	2	10.74	866591	20.0
unknown-05	10.87	7.3	ng/ul	315330	2	10.74	866591	20.0
unknown-06	13.97	13.1	ng/ul	801334	3	14.57	1223240	20.0
unknown-07	14.77	3.4	ng/ul	205552	3	14.57	1223240	20.0
unknown-08	15.68	2.2	ng/ul	132138	3	14.57	1223240	20.0
Phenanthrene, 2-m...	18.19	3.5	ng/ul	249249	4	17.32	1422100	20.0
1H-Cyclopropa[l]p...	18.24	4.2	ng/ul	299601	4	17.32	1422100	20.0
4H-Cyclopenta[def...	18.38	4.7	ng/ul	333820	4	17.32	1422100	20.0
Naphthalene, 2-ph...	18.68	3.3	ng/ul	233134	4	17.32	1422100	20.0
9,10-Anthracenedione	18.73	3.6	ng/ul	253564	4	17.32	1422100	20.0
Phenanthrene, 3,6...	19.11	2.7	ng/ul	190774	4	17.32	1422100	20.0
Cyclopenta(def)ph...	19.24	2.9	ng/ul	207450	4	17.32	1422100	20.0
11H-Benzo[b]fluorene	20.05	2.1	ng/ul	287349	5	21.56	2788290	20.0
11H-Benzo[a]fluorene	20.22	3.3	ng/ul	455740	5	21.56	2788290	20.0
11H-Benzo[a]fluor...	20.97	2.0	ng/ul	284852	5	21.56	2788290	20.0
Ethanol, 2-(tetra...	21.23	6.2	ng/ul	863108	5	21.56	2788290	20.0
7H-Benz[de]anthra...	21.30	2.1	ng/ul	287658	5	21.56	2788290	20.0
(DEL) Alkane: Str...	22.36	2.6	ng/ul	356825	5	21.56	2788290	20.0
(DEL) Alkane: Str...	23.81	15.2	ng/ul	1370790	6	24.68	1799850	20.0
1-Heneicosanol	23.87	9.5	ng/ul	856543	6	24.68	1799850	20.0
Benzo[e]pyrene	24.39	8.5	ng/ul	761647	6	24.68	1799850	20.0
(DEL) Alkane: Str...	25.82	11.6	ng/ul	1042850	6	24.68	1799850	20.0
Trifluoroacetoxy ...	25.93	3.7	ng/ul	332705	6	24.68	1799850	20.0