LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102819\
Data File : BM023415.D
Acq On : 28 Oct 2019 12:36
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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_M\METHODS\SOM-EPA-BM102319MA.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	6.816	644	651	666	rVB	1298311	2298236	1.80%	0.188%
2	6.975	671	678	689	rVV	999220	1644126	1.29%	0.135%
3	7.081	690	696	701	rVV	1129388	1807122	1.41%	0.148%
4	7.169	705	711	720	rVB	1390185	2161104	1.69%	0.177%
5	7.634	783	790	800	rBV	1510787	2387953	1.87%	0.196%
6	8.345	901	911	919	rBV	1450380	2285714	1.79%	0.187%
7	8.781	974	985	993	rBV	1251356	2142508	1.68%	0.176%
8	9.498	1098	1107	1114	rBV	1004604	1669384	1.31%	0.137%
9	10.039	1190	1199	1207	rBV	1612135	2660170	2.08%	0.218%
10	10.410	1253	1262	1268	rBV	2014114	3396335	2.66%	0.278%
11	13.698	1815	1821	1825	rVV	2670750	3767210	2.95%	0.309%
12	13.739	1825	1828	1834	rVB	1193258	1665850	1.30%	0.137%
13	13.968	1860	1867	1870	rBV	3215416	5375803	4.21%	0.441%
14	13.998	1870	1872	1884	rVV	3119851	4026188	3.15%	0.330%
15	14.280	1912	1920	1926	rVV	2902252	4585503	3.59%	0.376%
16	14.345	1926	1931	1939	rVV2	634921	1373578	1.07%	0.113%
17	14.680	1983	1988	1998	rVV	870389	1720833	1.35%	0.141%
18	15.274	2083	2089	2094	rBV	3941951	5625964	4.40%	0.461%
19	15.333	2094	2099	2107	rVB	953052	1521525	1.19%	0.125%
20	15.774	2161	2174	2182	rVB	822462	1755223	1.37%	0.144%
21	16.680	2324	2328	2337	rVB	1501477	2340903	1.83%	0.192%
22	16.780	2337	2345	2349	rBV2	826091	1831140	1.43%	0.150%
23	16.845	2349	2356	2367	rVB	2008936	3223099	2.52%	0.264%
24	17.027	2381	2387	2390	rBV2	3002972	4741598	3.71%	0.389%
25	17.074	2390	2395	2400	rVV2	36964614	57043995	44.64%	4.676%
26	17.127	2400	2404	2407	rVV2	4400211	6606827	5.17%	0.542%
27	17.162	2407	2410	2415	rVV	9060111	11330004	8.87%	0.929%
28	17.427	2446	2455	2460	rBV	3311146	5241512	4.10%	0.430%
29	17.551	2471	2476	2481	rBV	1427239	1883464	1.47%	0.154%
30	17.903	2526	2536	2540	rBV	3840879	5538329	4.33%	0.454%
31	17.951	2540	2544	2552	rVB	6492294	8733374	6.83%	0.716%
32	18.033	2552	2558	2563	rVB	1811549	2532600	1.98%	0.208%
33	18.098	2563	2569	2573	rBV2	5727092	10031782	7.85%	0.822%
34	18.133	2573	2575	2583	rVB	2506851	3025488	2.37%	0.248%

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Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Title : SVOA CALIBRATION

35	18.227	2583	2591	2593	rBV2	851874	1542875	1.21%	0.126%
36	18.409	2617	2622	2626	rVV	5104418	6756325	5.29%	0.554%
37	18.451	2626	2629	2634	rVB	4744872	6051443	4.74%	0.496%
38	18.656	2656	2664	2669	rBV	1122852	2210604	1.73%	0.181%
39	18.833	2689	2694	2700	rVB2	1497212	2804996	2.19%	0.230%
40	18.974	2713	2718	2725	rBV	4481320	6939101	5.43%	0.569%
41	19.115	2732	2742	2746	rVV2	55880872	113885578	89.12%	9.336%
42	19.168	2746	2751	2753	rVV	1325979	2621817	2.05%	0.215%
43	19.198	2753	2756	2760	rVV	1991500	3523096	2.76%	0.289%
44	19.245	2760	2764	2768	rVV	3747294	6017439	4.71%	0.493%
45	19.339	2768	2780	2791	rVV2	4162335	12883447	10.08%	1.056%
46	19.474	2791	2803	2808	rVV5	52758477	127792568	100.00%	10.476%
47	19.533	2808	2813	2820	rVB	3112475	4769798	3.73%	0.391%
48	19.639	2825	2831	2836	rBV	5308221	7036268	5.51%	0.577%
49	19.697	2836	2841	2848	rVB	2133297	3369466	2.64%	0.276%
50	19.797	2849	2858	2862	rBV3	3980622	10824802	8.47%	0.887%
51	19.833	2862	2864	2868	rVB	1154802	1297371	1.02%	0.106%
52	19.921	2874	2879	2882	rBV3	3276259	5969863	4.67%	0.489%
53	19.956	2882	2885	2890	rVB	3855418	5245753	4.10%	0.430%
54	20.115	2905	2912	2916	rBV2	5832022	9805277	7.67%	0.804%
55	20.156	2916	2919	2923	rVB2	1499936	1821662	1.43%	0.149%
56	20.197	2923	2926	2931	rBV2	1010865	1349635	1.06%	0.111%
57	20.256	2932	2936	2939	rBV	2525789	3101942	2.43%	0.254%
58	20.303	2939	2944	2948	rBV3	2865875	4151476	3.25%	0.340%
59	20.374	2953	2956	2963	rVB3	790419	1346355	1.05%	0.110%
60	20.521	2976	2981	2984	rBV3	1076994	2079381	1.63%	0.170%
61	20.709	3008	3013	3019	rVB	9480757	12029334	9.41%	0.986%
62	20.868	3034	3040	3044	rBV2	7842692	12906072	10.10%	1.058%
63	20.909	3044	3047	3050	rVV	7584116	9967268	7.80%	0.817%
64	20.956	3050	3055	3060	rVV2	9148627	18627461	14.58%	1.527%
65	21.009	3060	3064	3073	rVB2	9706069	13761698	10.77%	1.128%
66	21.109	3074	3081	3087	rBV	2353825	5539085	4.33%	0.454%
67	21.221	3091	3100	3104	rVV4	47463523	80978520	63.37%	6.638%
68	21.274	3104	3109	3118	rVV	40360168	63184978	49.44%	5.180%
69	21.386	3124	3128	3133	rBV	4446299	6486374	5.08%	0.532%
70	21.433	3133	3136	3139	rVV2	2298522	3373433	2.64%	0.277%
71	21.486	3141	3145	3149	rVB2	3199767	4809150	3.76%	0.394%

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Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Title : SVOA CALIBRATION

72	21.533	3149	3153	3159	rBV2	6907501	10250875	8.02%	0.840%
73	21.586	3159	3162	3167	rBV3	1596202	2169902	1.70%	0.178%
74	21.691	3175	3180	3182	rBV3	655966	1305096	1.02%	0.107%
75	21.721	3182	3185	3188	rVV	1439296	1839771	1.44%	0.151%
76	21.774	3188	3194	3198	rVV	5460614	8056917	6.30%	0.660%
77	21.827	3199	3203	3209	rVB3	3117684	4919437	3.85%	0.403%
78	21.891	3210	3214	3217	rBV2	1699906	2215793	1.73%	0.182%
79	21.968	3222	3227	3229	rBV2	2675963	3831453	3.00%	0.314%
80	22.068	3239	3244	3252	rVB3	2372891	3999255	3.13%	0.328%
81	22.244	3270	3274	3279	rBV2	1935801	3635472	2.84%	0.298%
82	22.421	3300	3304	3308	rVB2	1367584	2069448	1.62%	0.170%
83	22.533	3316	3323	3334	rBV2	4034938	9449665	7.39%	0.775%
84	22.697	3348	3351	3357	rVB	1516162	2466813	1.93%	0.202%
85	22.797	3358	3368	3372	rBV2	37736689	95031080	74.36%	7.790%
86	22.950	3388	3394	3399	rVB	7034099	11026339	8.63%	0.904%
87	23.074	3410	3415	3424	rBV2	2843179	7982497	6.25%	0.654%
88	23.256	3438	3446	3452	rBV	20560570	42978065	33.63%	3.523%
89	23.356	3456	3463	3469	rVB2	32010354	62701951	49.07%	5.140%
90	23.433	3472	3476	3480	rVV	2518014	4842421	3.79%	0.397%
91	23.485	3480	3485	3493	rVB	11310071	22472212	17.58%	1.842%
92	24.085	3582	3587	3593	rVB2	1163425	2502447	1.96%	0.205%
93	24.974	3733	3738	3744	rBV3	1257038	2529572	1.98%	0.207%
94	25.138	3761	3766	3781	rVB5	2150339	7312867	5.72%	0.599%
95	25.674	3845	3857	3864	rVB	18728973	56903780	44.53%	4.665%
96	25.756	3866	3871	3879	rVB	1315125	2923936	2.29%	0.240%
97	25.903	3890	3896	3904	rVB	3054573	7924101	6.20%	0.650%
98	25.997	3905	3912	3949	rVB3	2869272	16121993	12.62%	1.322%
99	26.350	3959	3972	3984	rVB	13558251	45775663	35.82%	3.753%
100	26.679	4023	4028	4047	rVB2	2989849	9788569	7.66%	0.802%

Sum of corrected areas: 1219863545

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102819\
Data File : BM023415.D
Acq On : 28 Oct 2019 12:36
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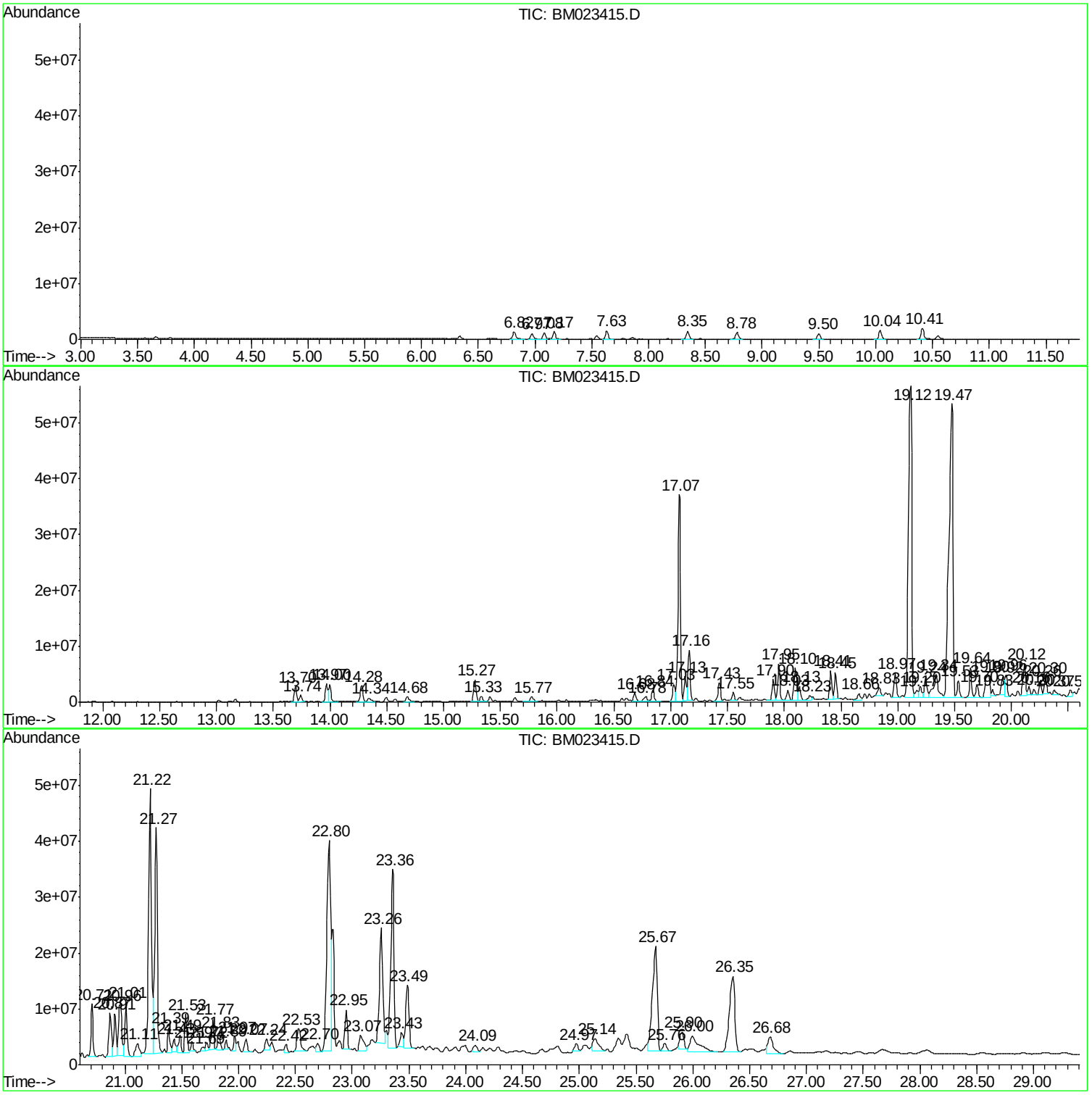
Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102819\
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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

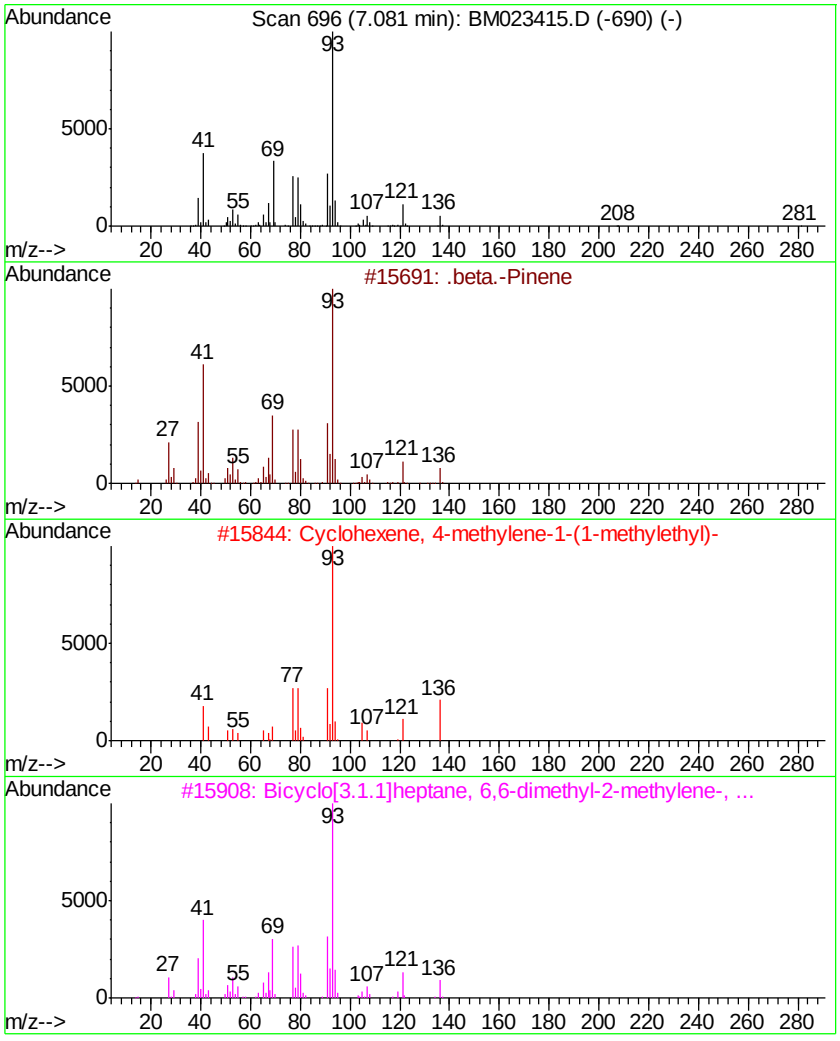
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

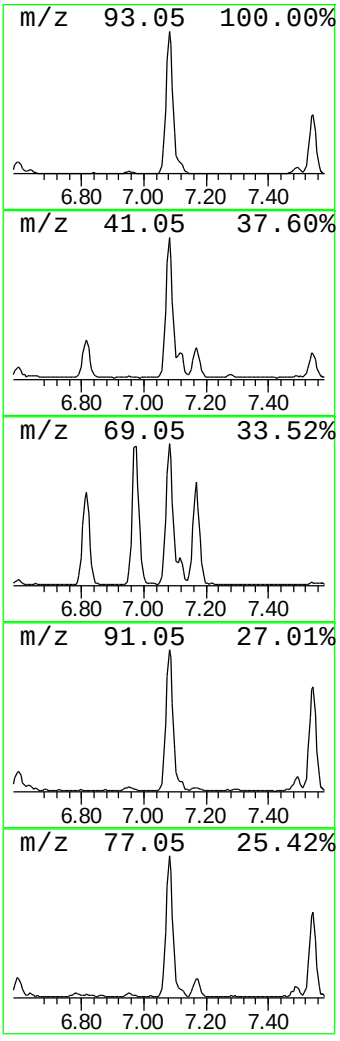
****

Peak Number 1 .beta.-Pinene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	15.14 ng/ul	1807120	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	93
2	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
4	.beta.-Pinene	136	C10H16	000127-91-3	91
5	.beta.-Pinene	136	C10H16	000127-91-3	91





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

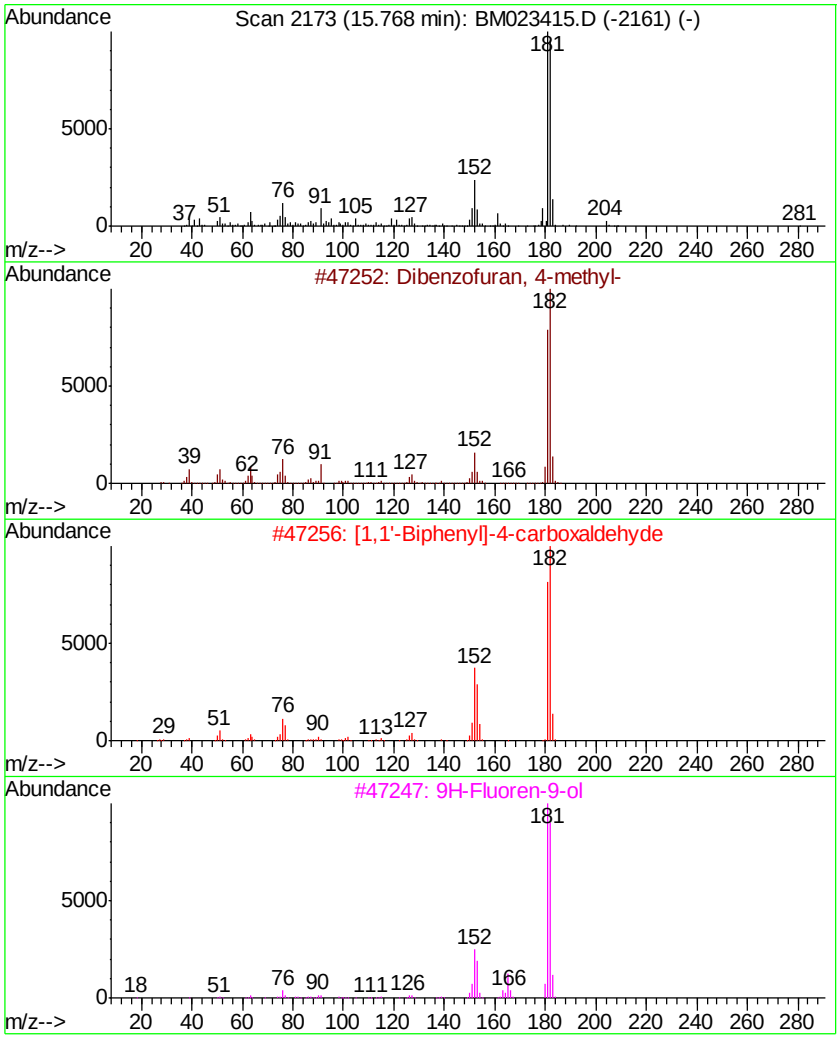
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

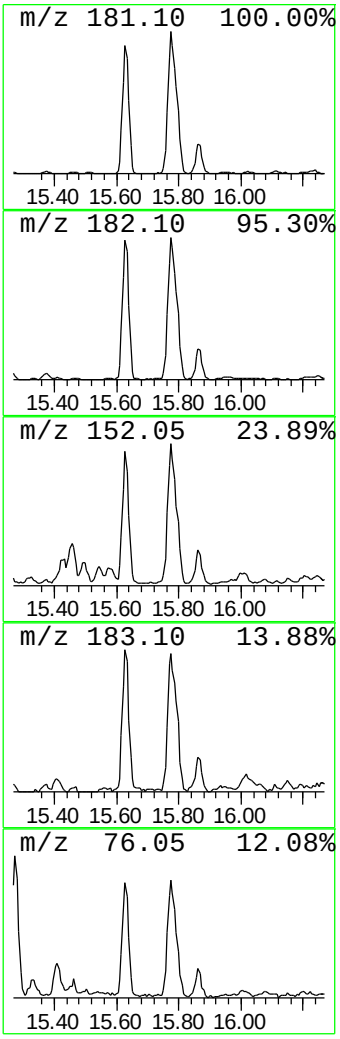
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	7.40 ng/ul	1755220	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

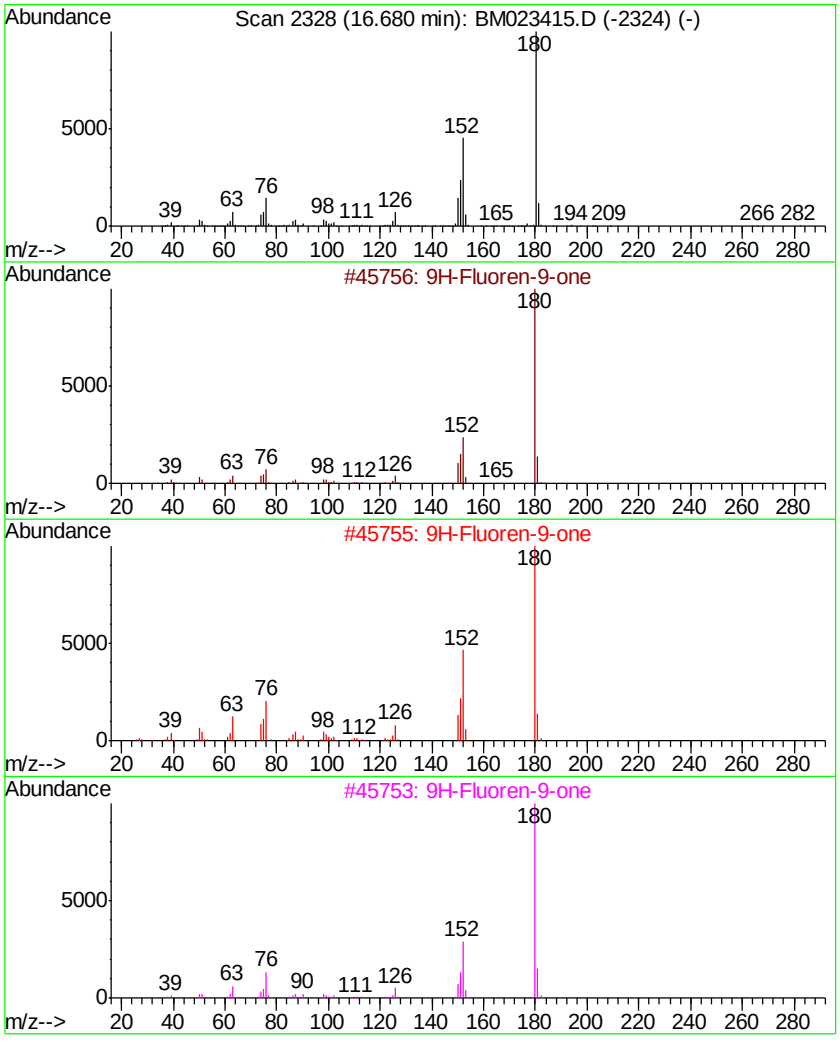
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

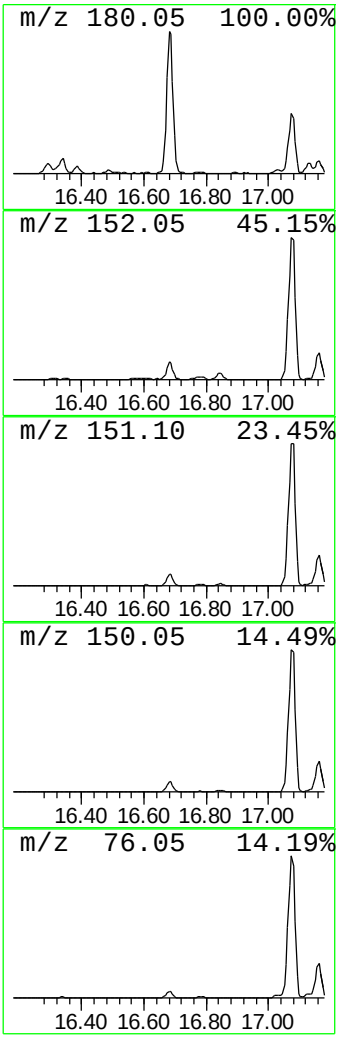
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	9.87 ng/ul	2340900	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

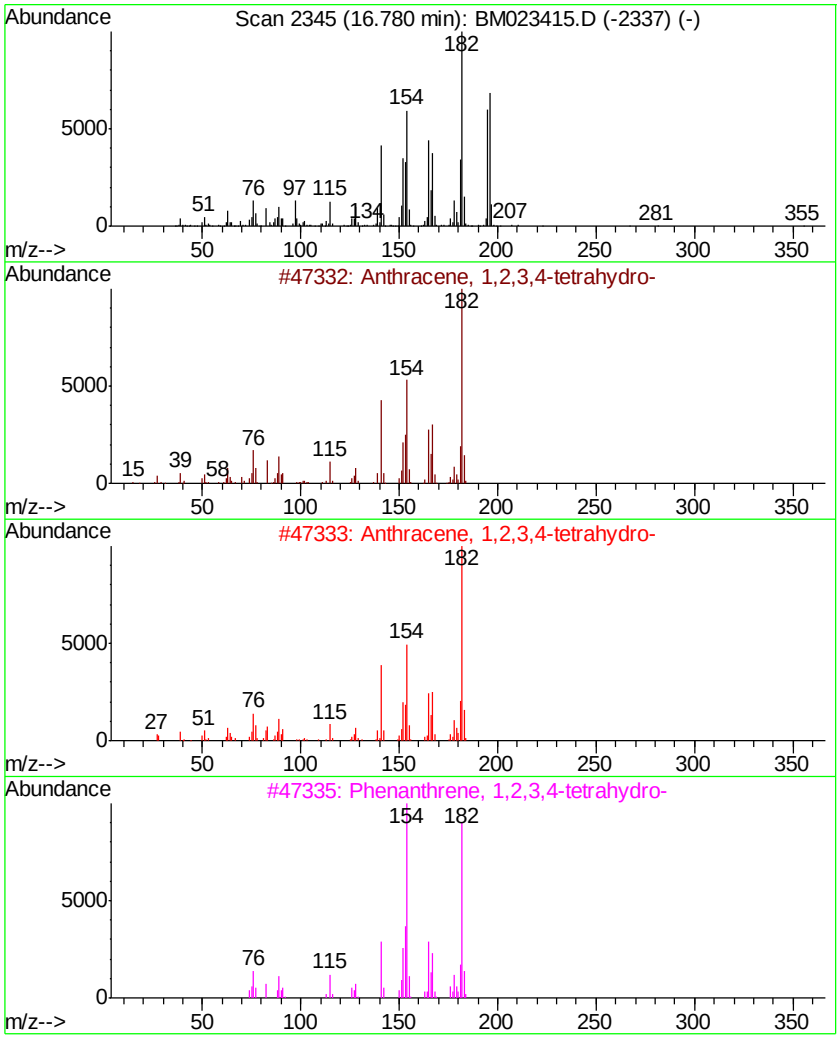
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

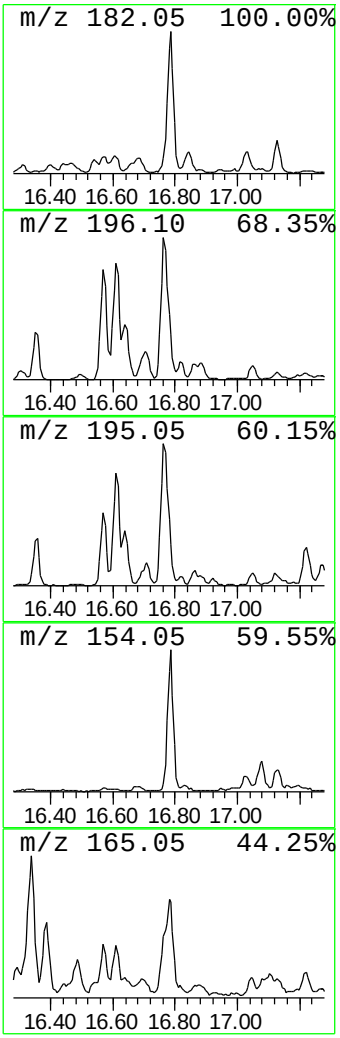
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	7.72 ng/ul	1831140	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	60
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	47
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	42





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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

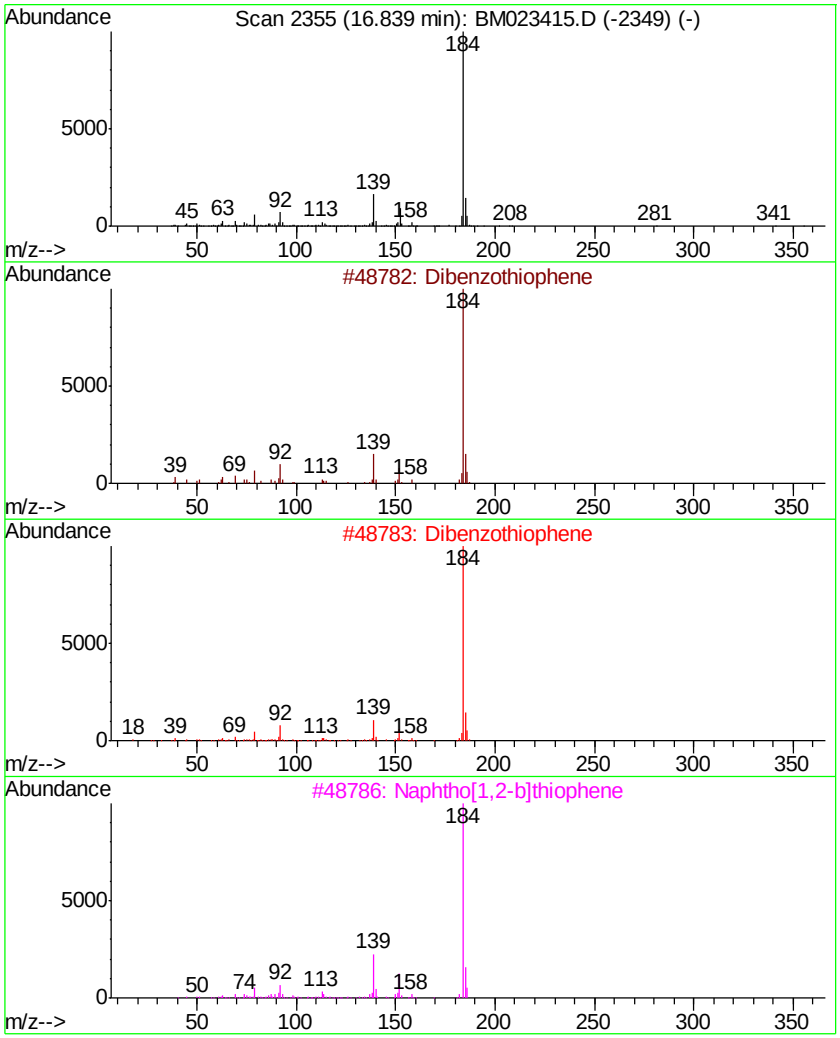
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

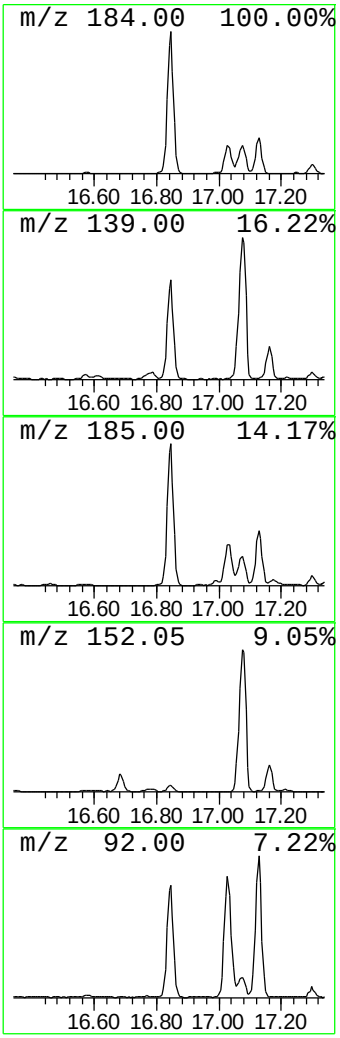
****

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	13.60 ng/ul	3223100	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94





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Acq On : 28 Oct 2019 12:36
Operator : JU
Sample : K5395-10
Misc :
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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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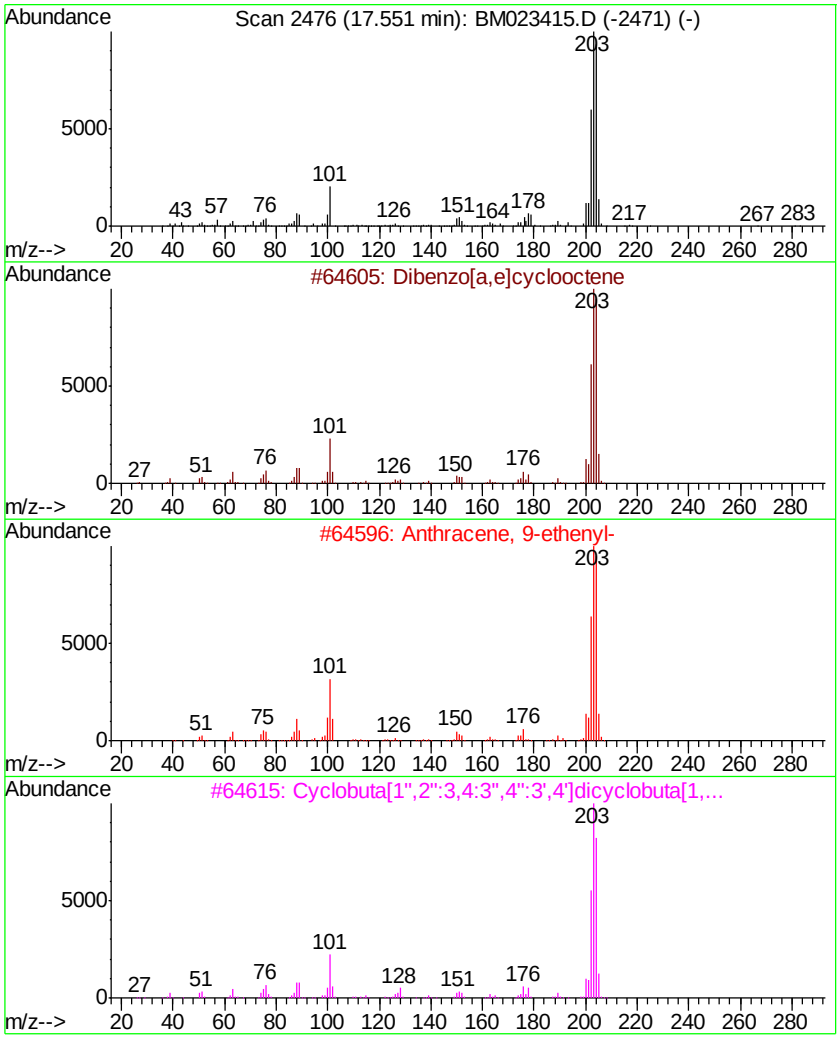
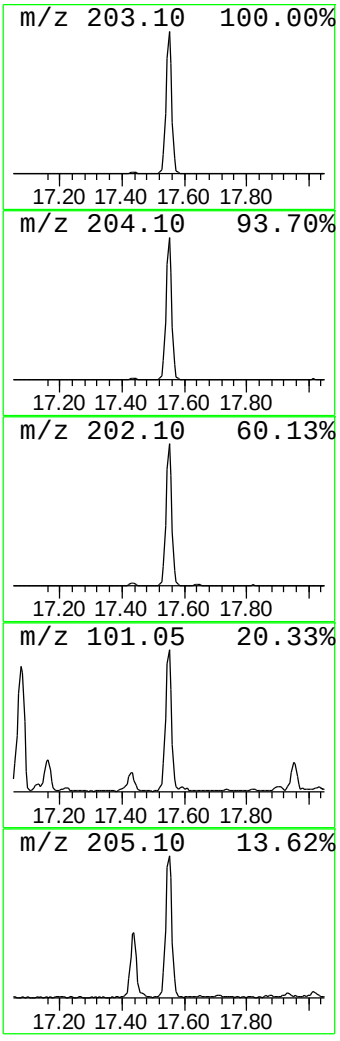
Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	7.94 ng/ul	1883460	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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Sample : K5395-10
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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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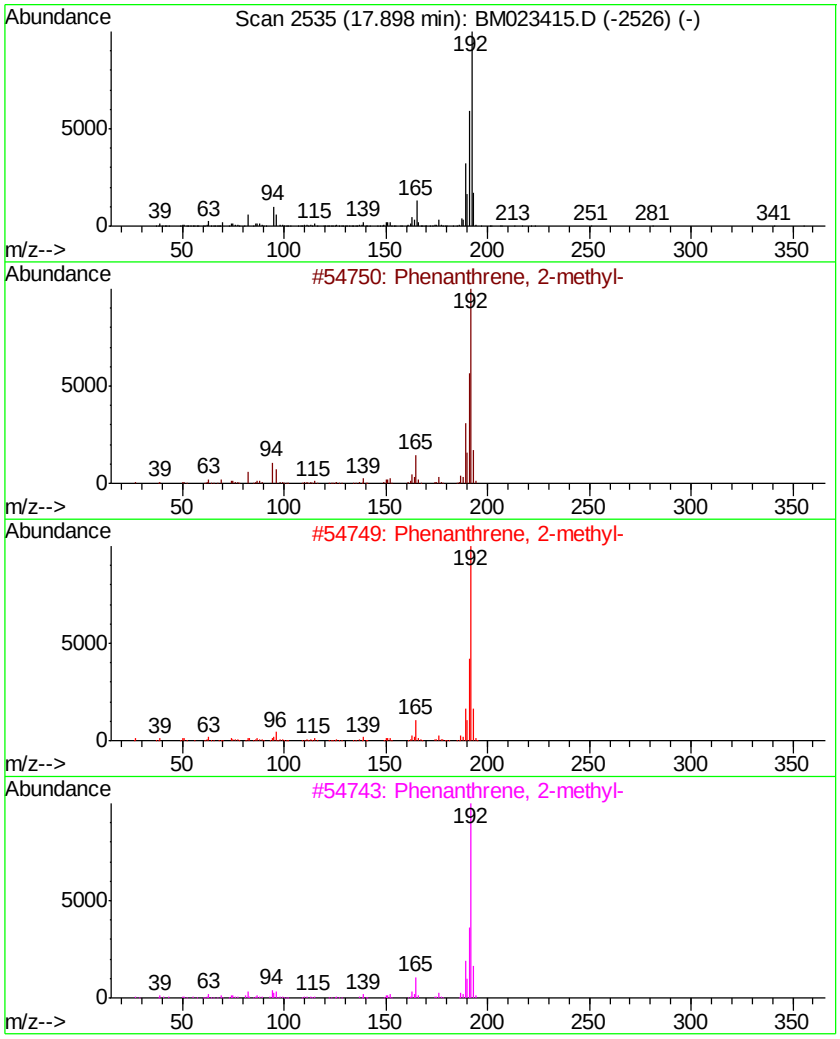
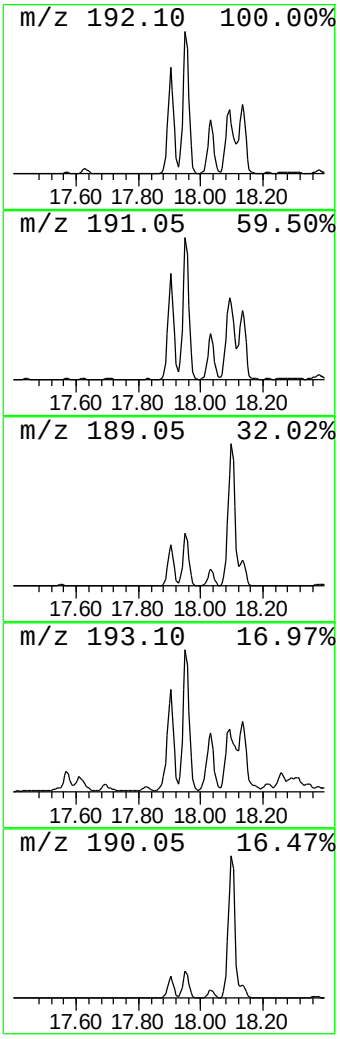
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	23.36 ng/ul	5538330	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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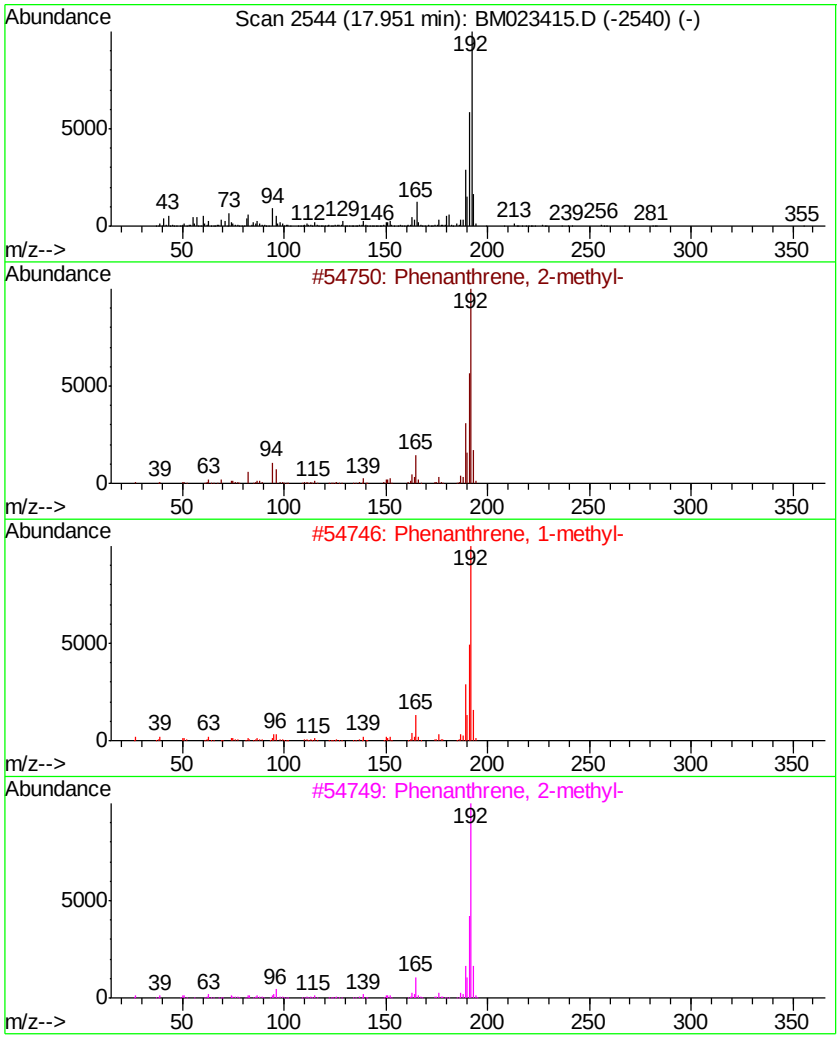
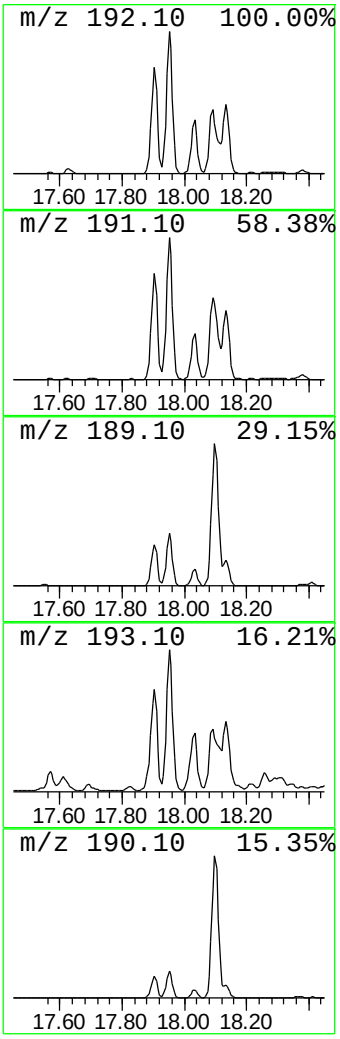
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	36.84 ng/ul	8733370	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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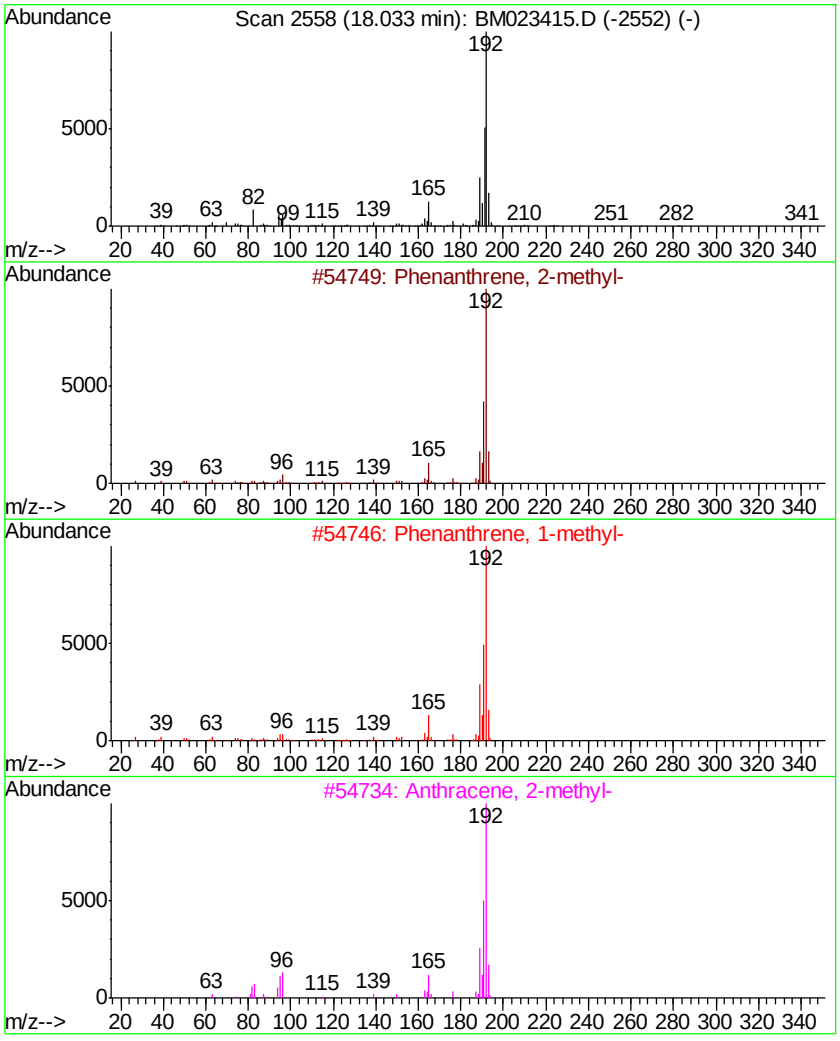
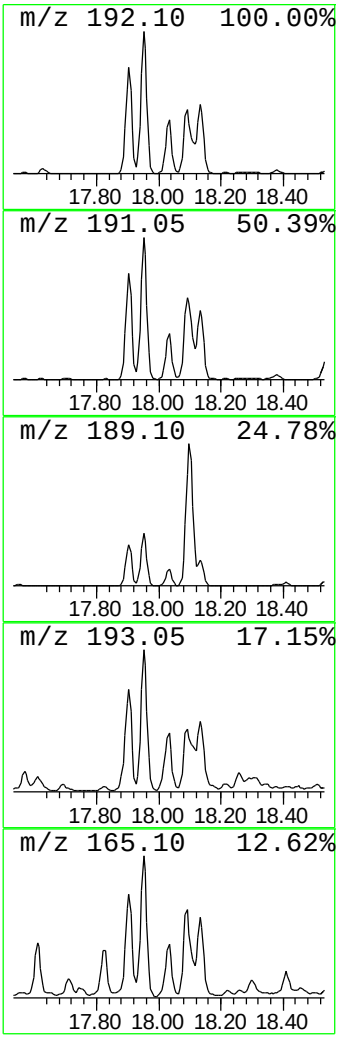
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	10.68 ng/ul	2532600	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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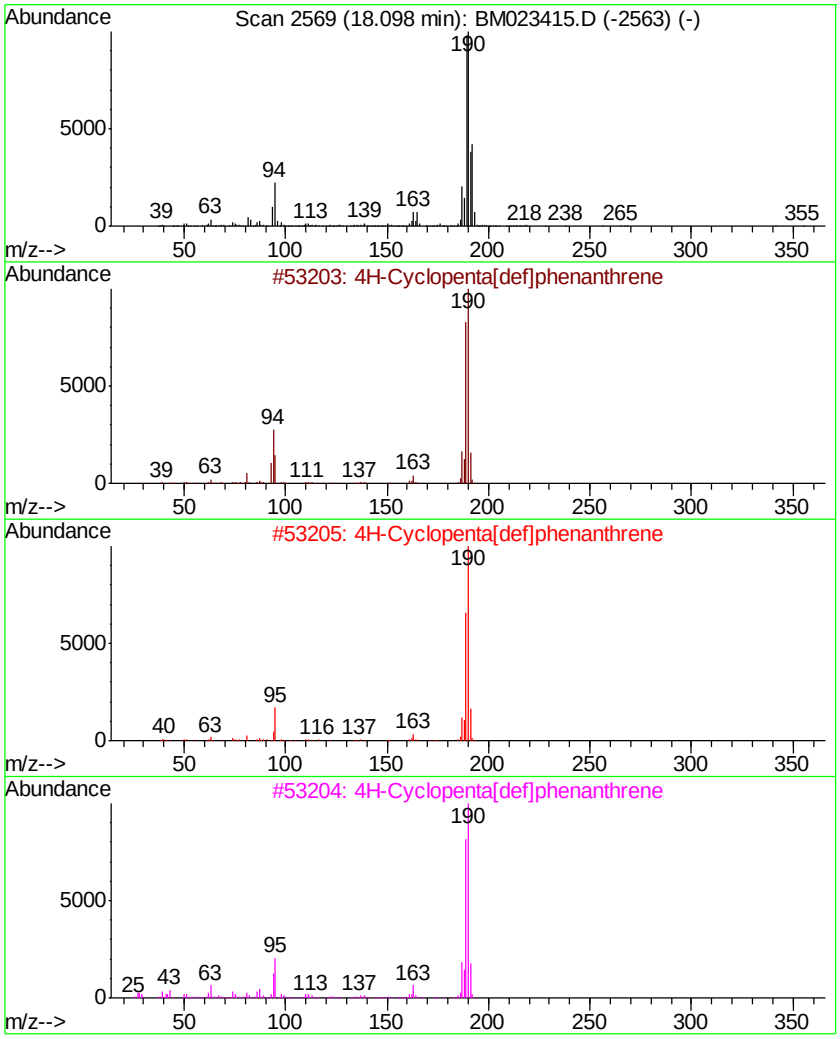
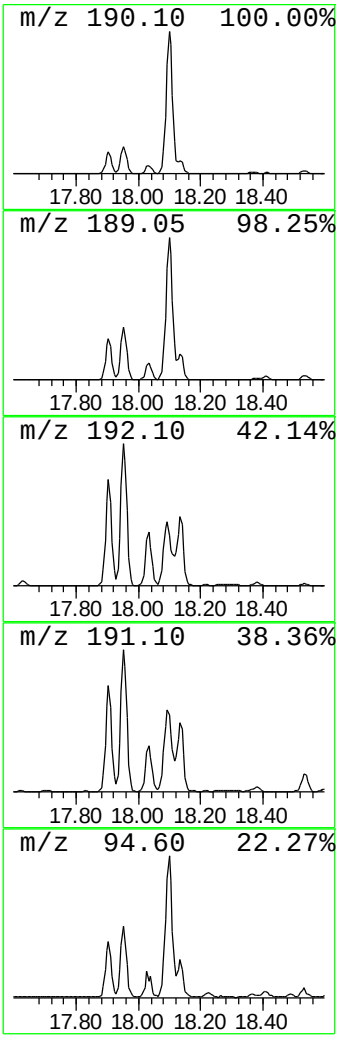
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	42.31 ng/ul	10031800	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53





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Sample : K5395-10
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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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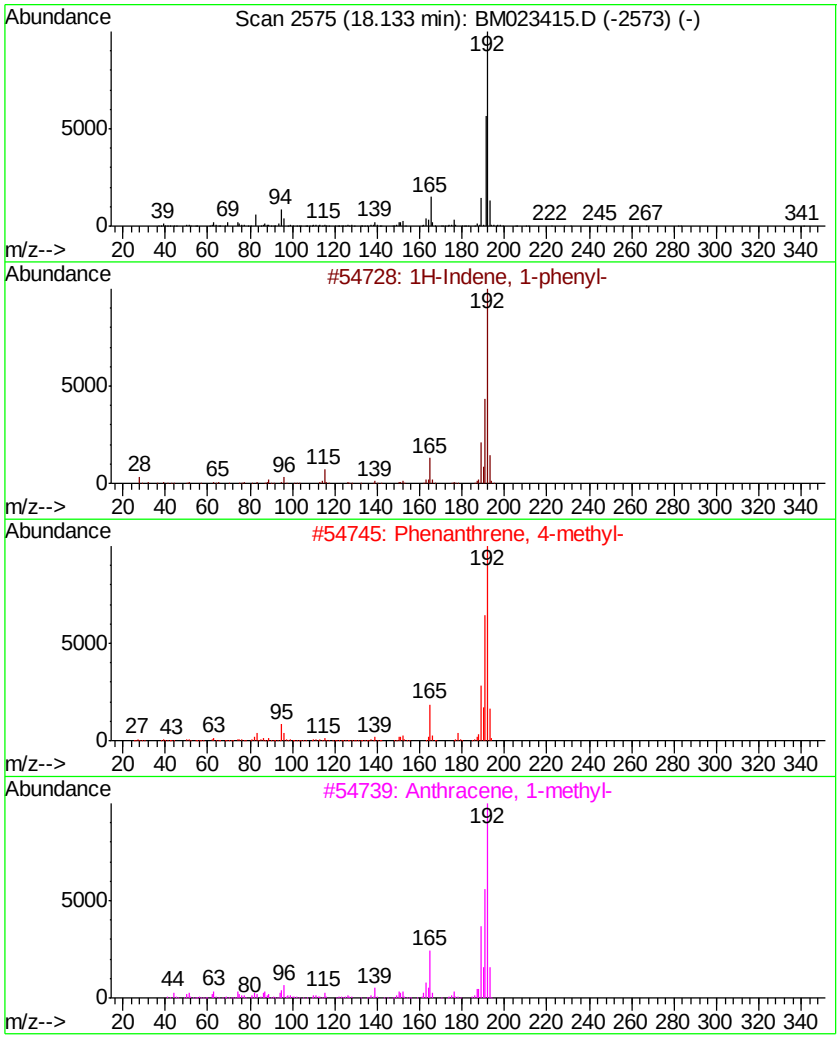
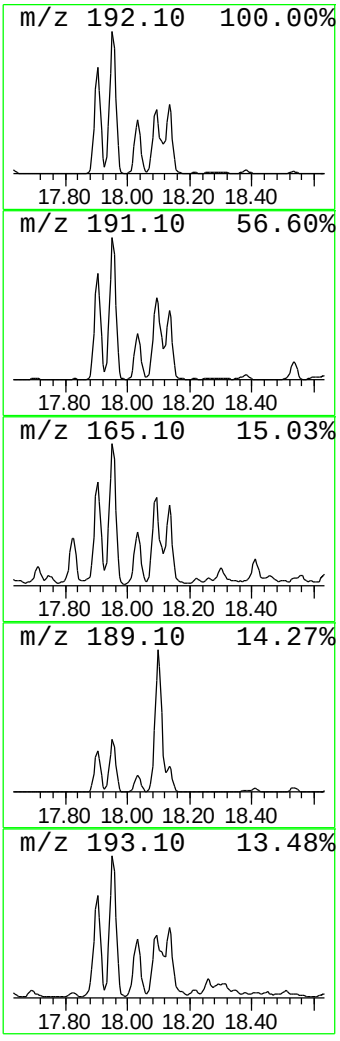
Peak Number 11 1H-Indene, 1-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	12.76 ng/ul	3025490	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Misc :
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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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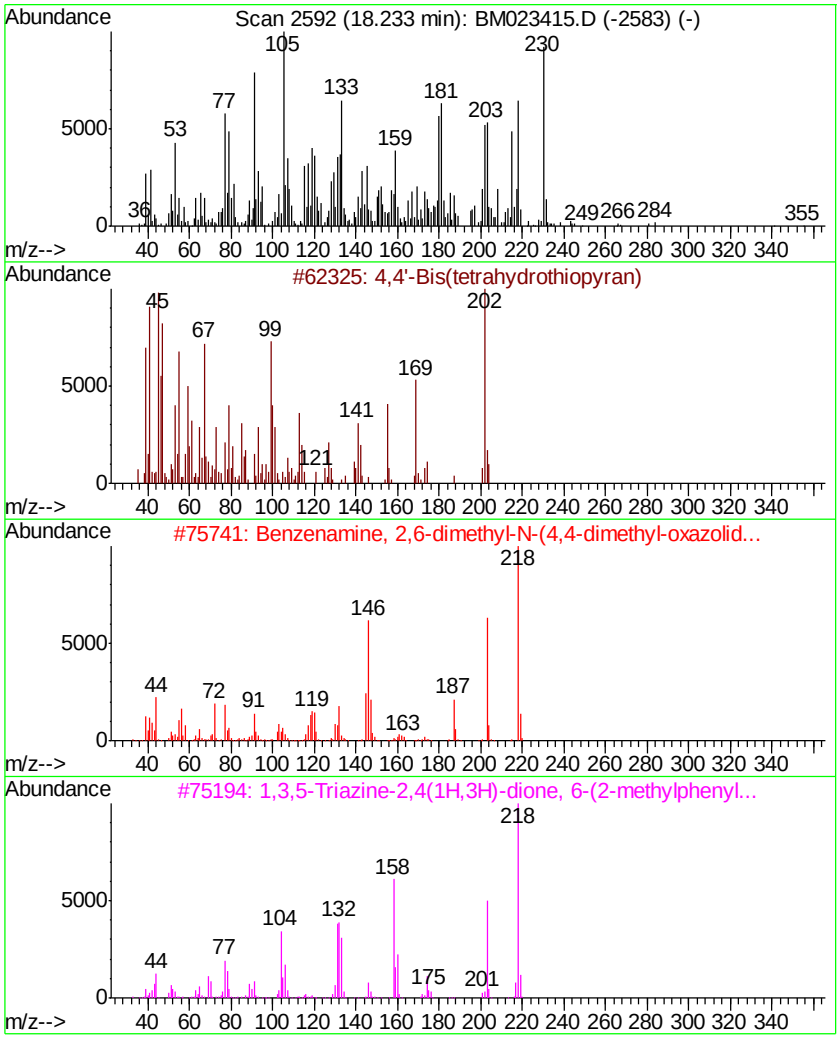
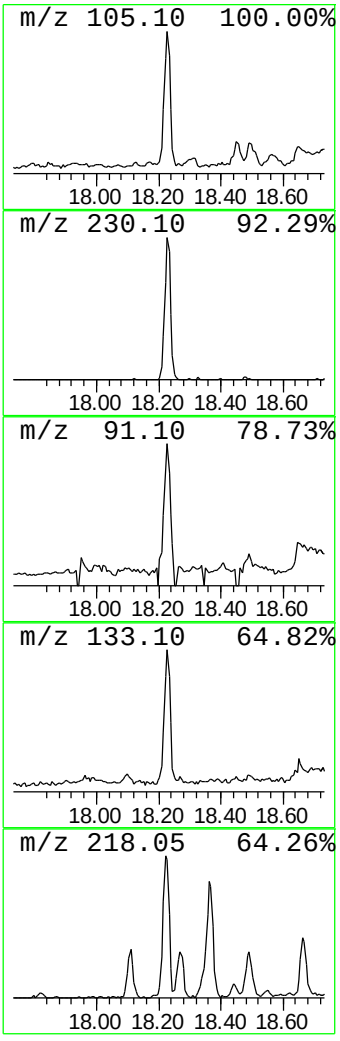
Peak Number 12 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	6.51 ng/ul	1542880	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	91
2	Benzenamine, 2,6-dimethyl-N-(4,4...	218	C13H18N2O	281211-68-5	25
3	1,3,5-Triazine-2,4(1H,3H)-dione,...	218	C10H10N4O2	1000277-96-1	25
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	20
5	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	18





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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 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	28.50 ng/ul	6756330	Phenanthrene-d10	17.03

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	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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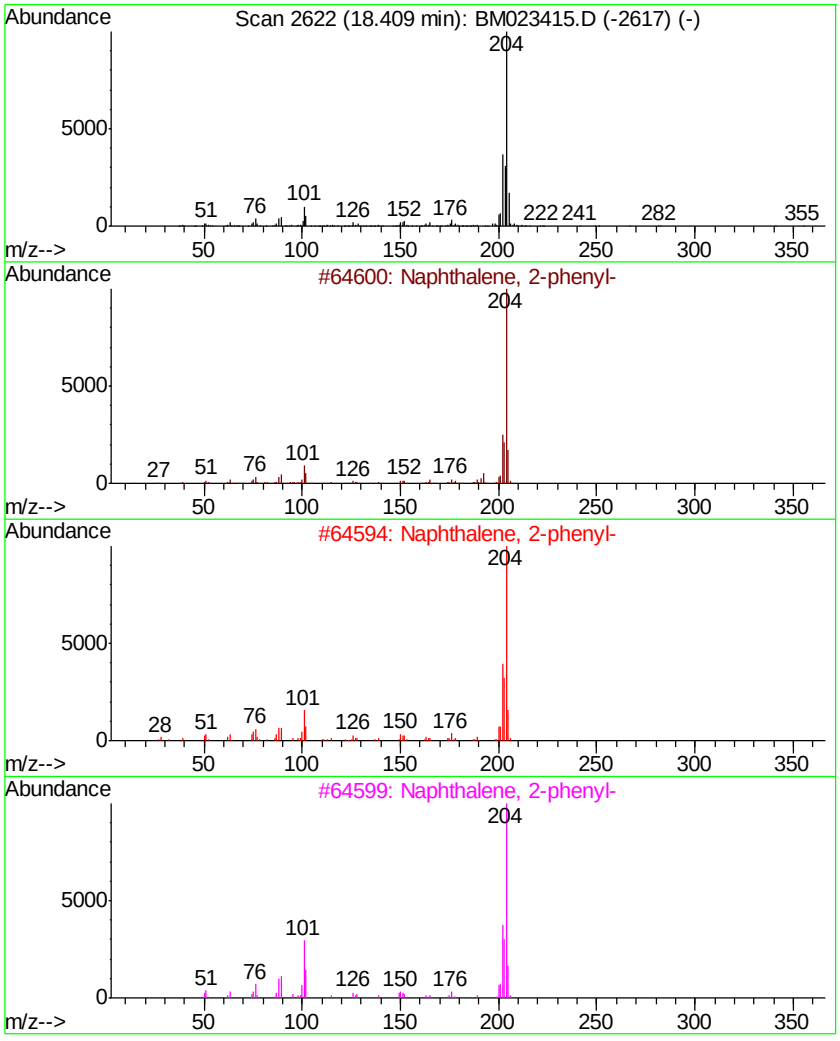

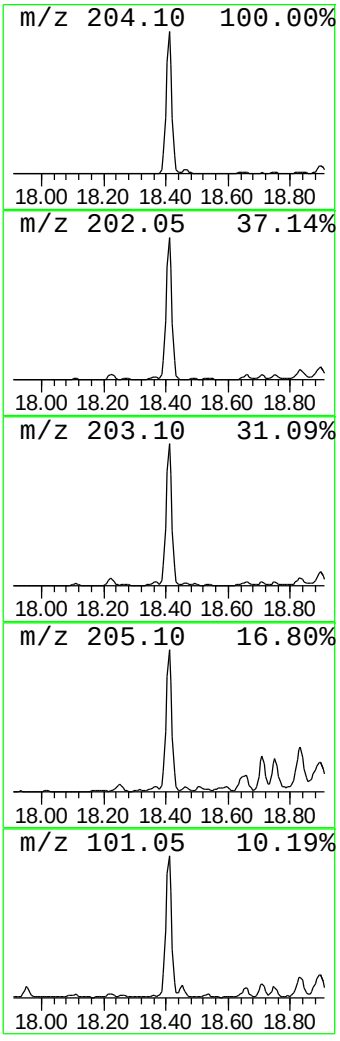

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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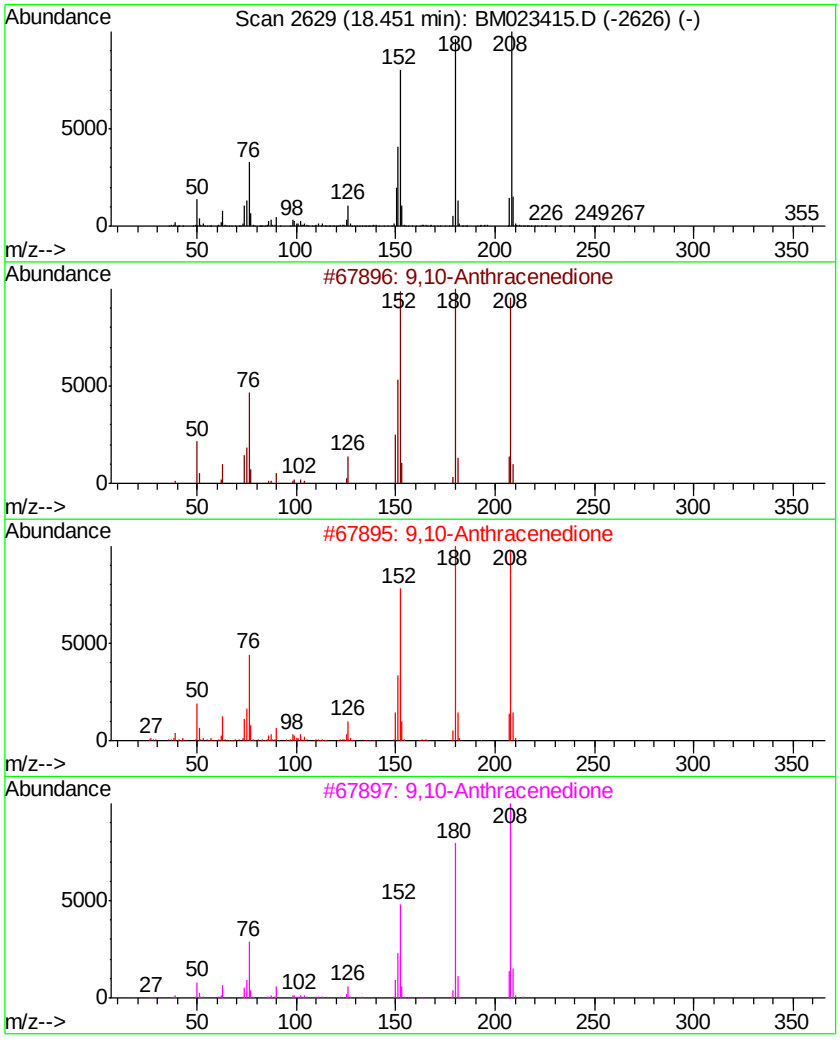
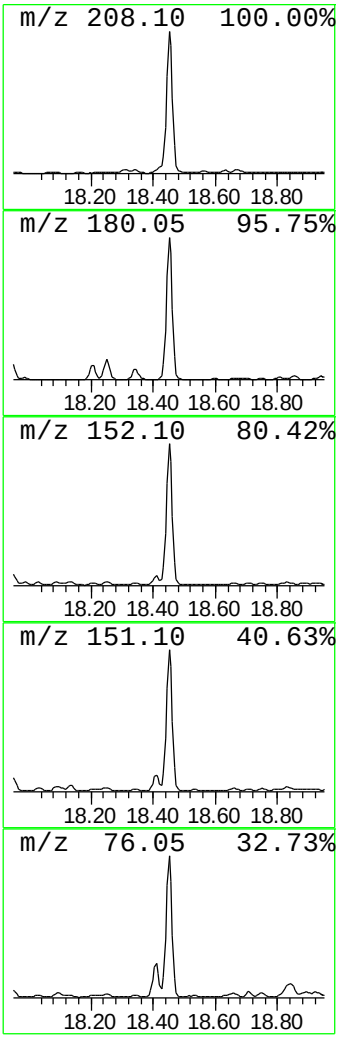
Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	25.52 ng/ul	6051440	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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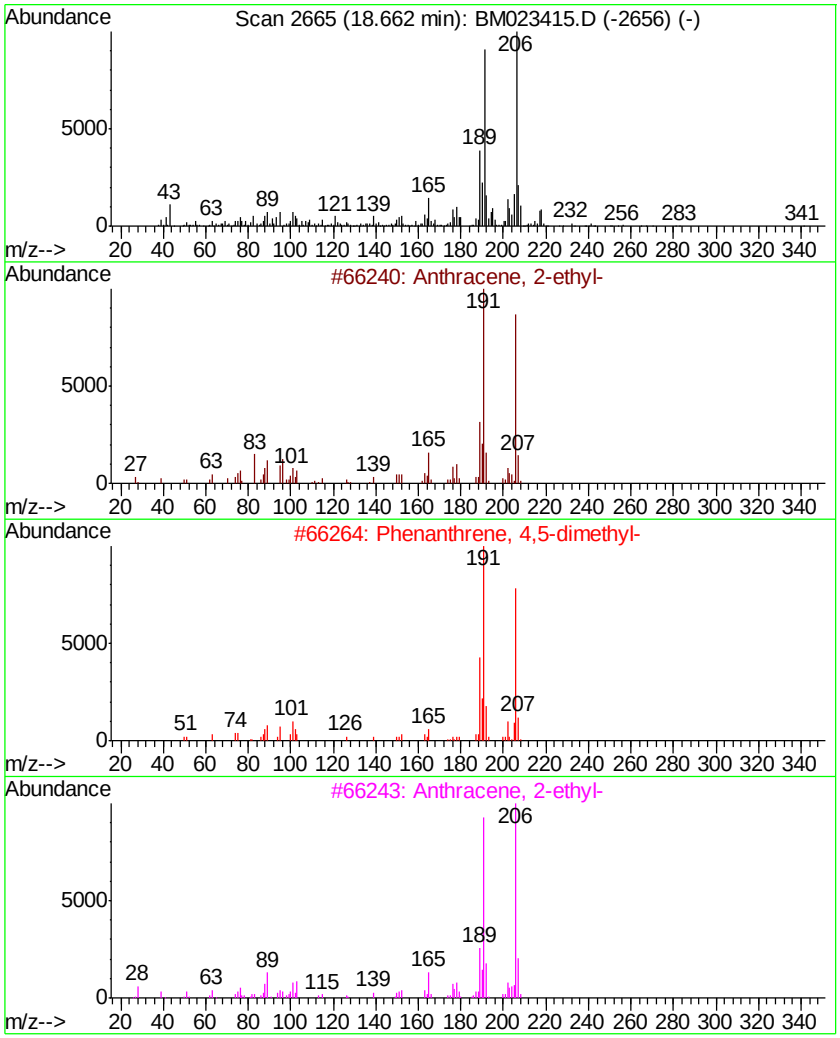
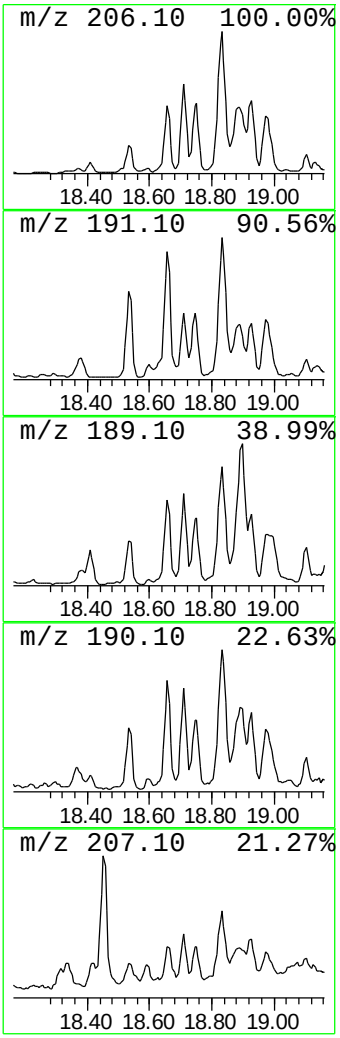
Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	9.32 ng/ul	2210600	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93





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Quant Title : SVOA CALIBRATION

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

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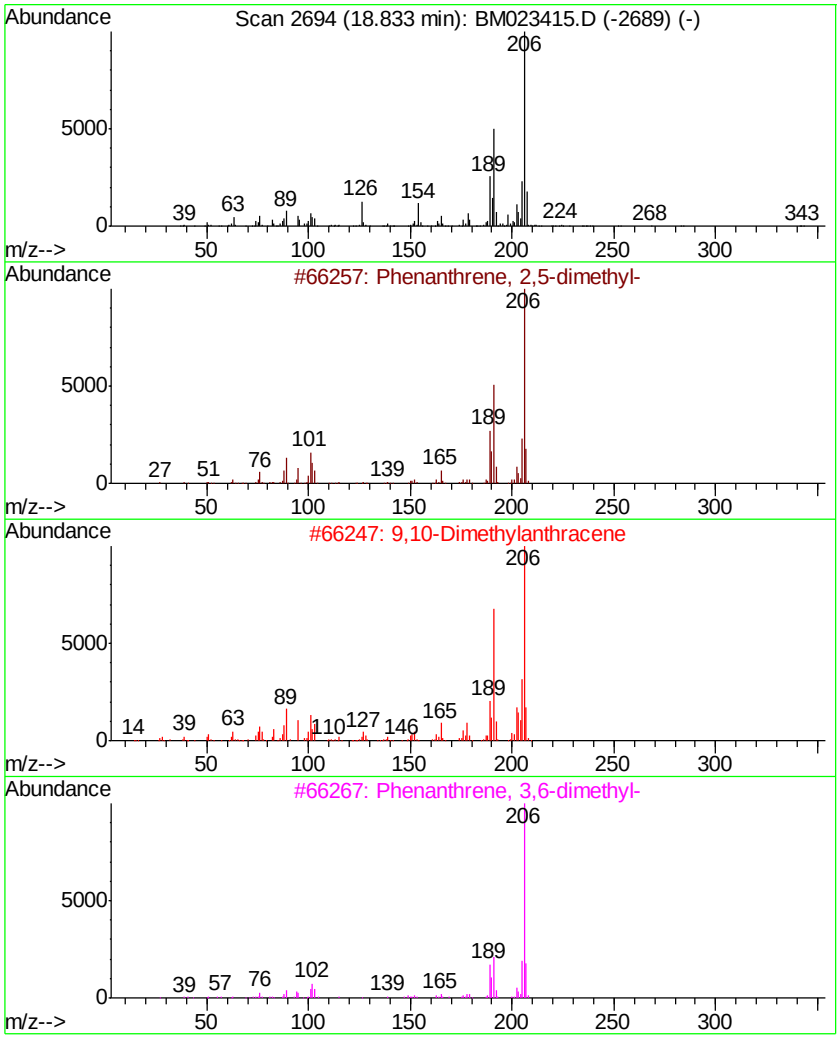
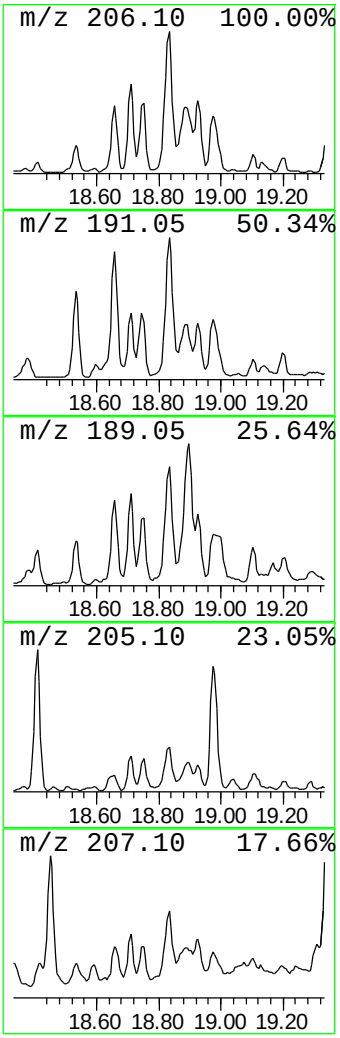
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	11.83 ng/ul	2805000	Phenanthrene-d10	17.03

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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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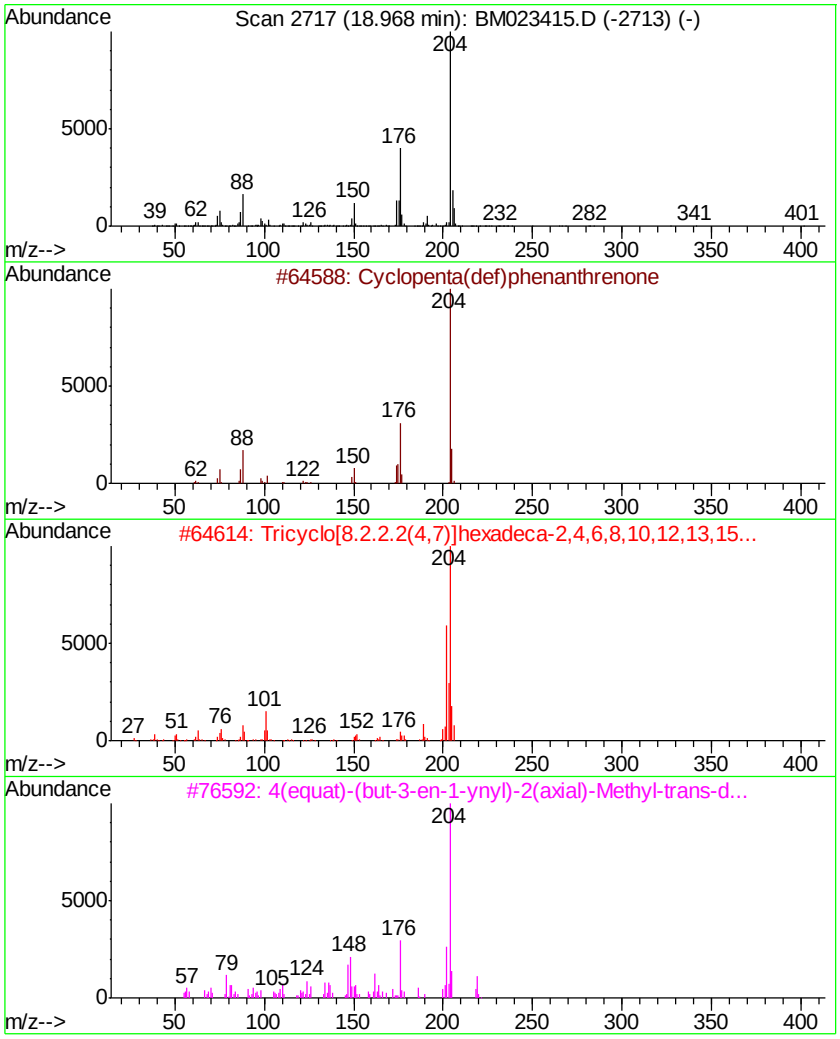
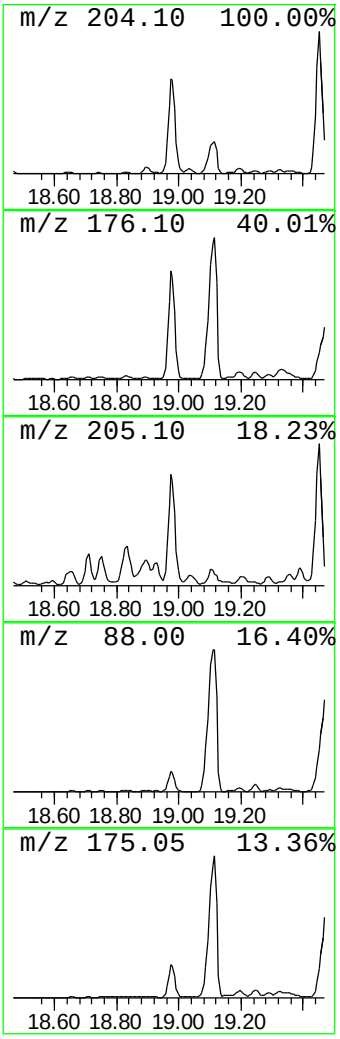
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	29.27 ng/ul	6939100	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Data File : BM023415.D
Acq On : 28 Oct 2019 12:36
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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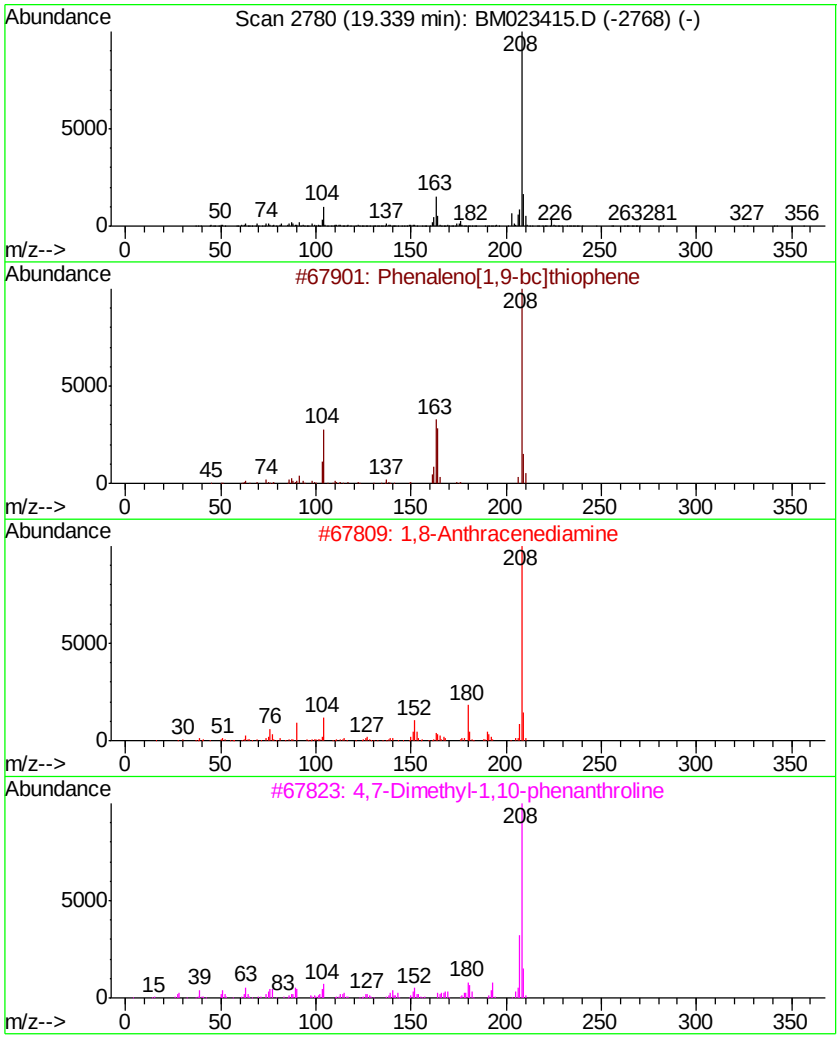
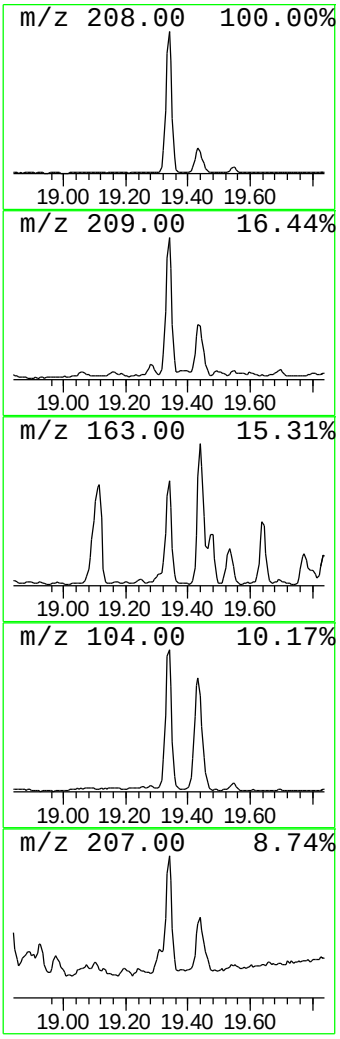
Peak Number 18 Phenaleno[1,9-bc]thiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.18 ng/ul	12883400	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	74
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	72
3	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	52





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Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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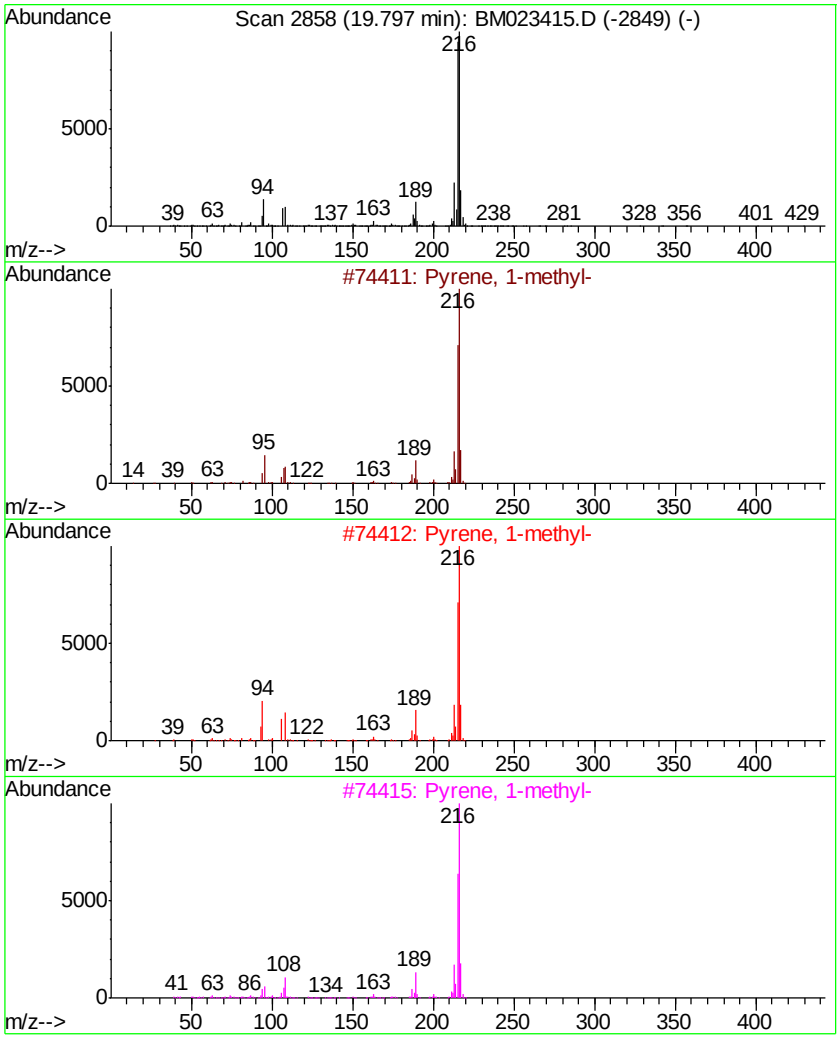
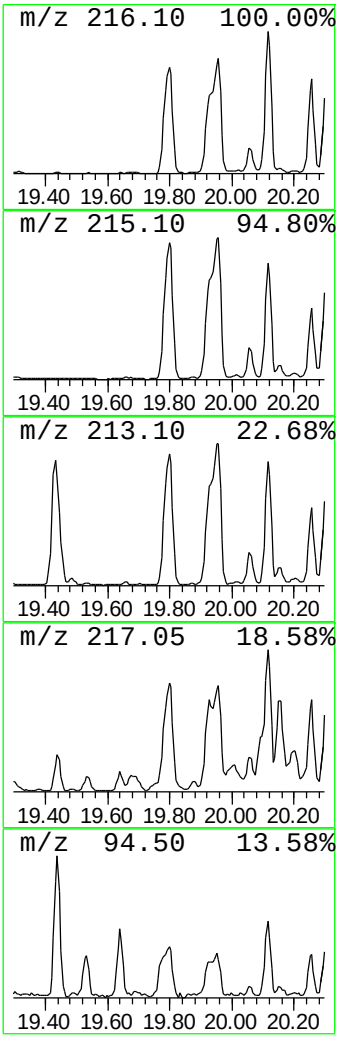
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.67 ng/ul	10824800	Chrysene-d12	21.23

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	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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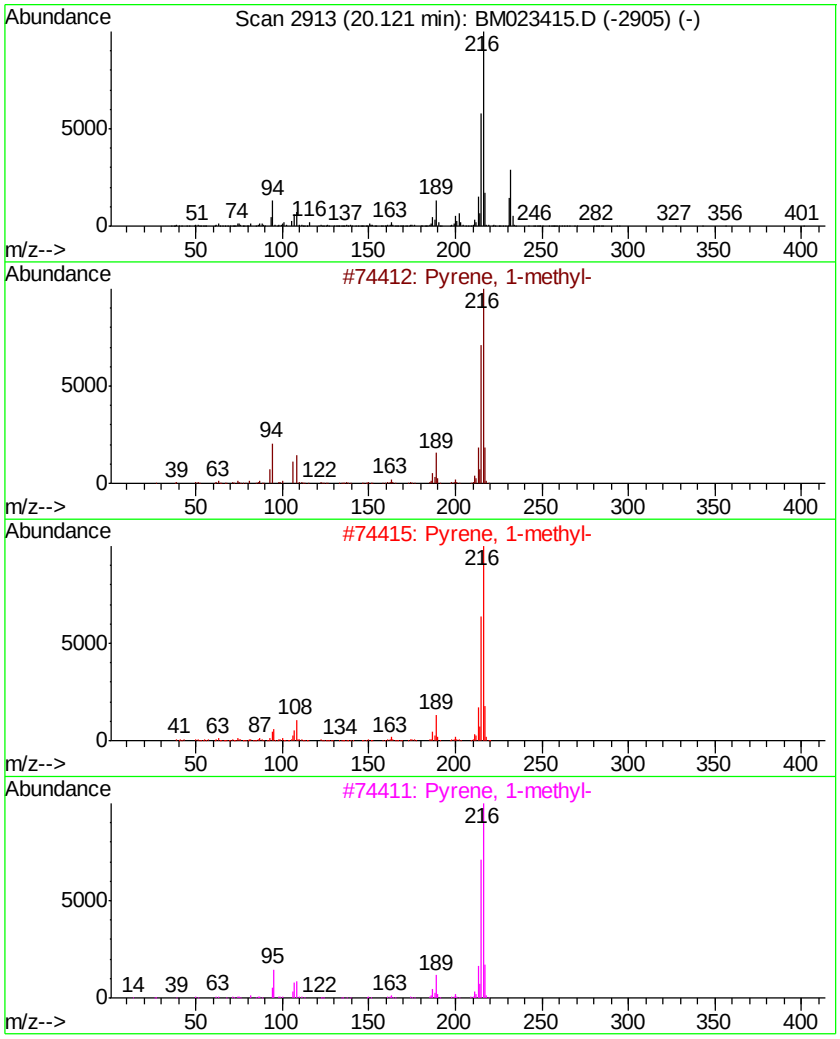
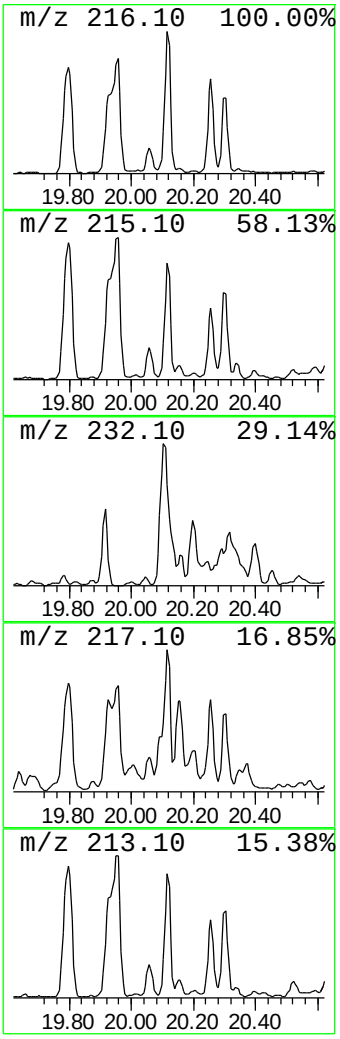
Peak Number 20 Pyrene, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.42 ng/ul	9805280	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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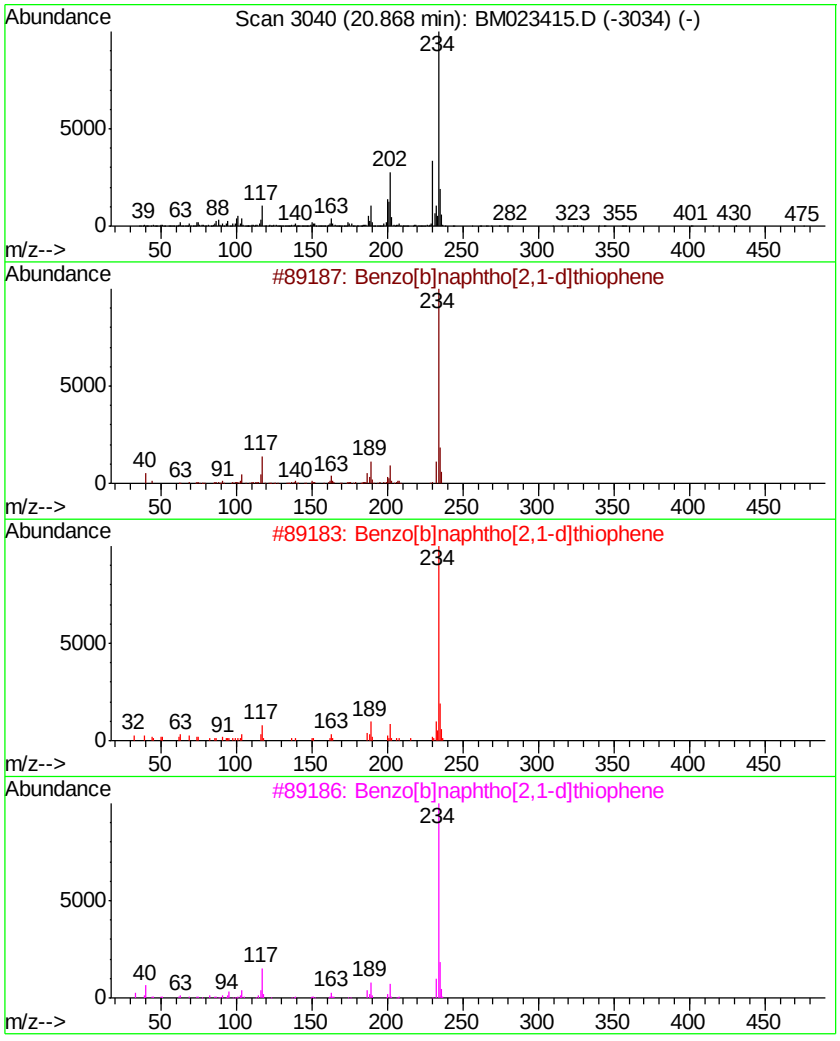
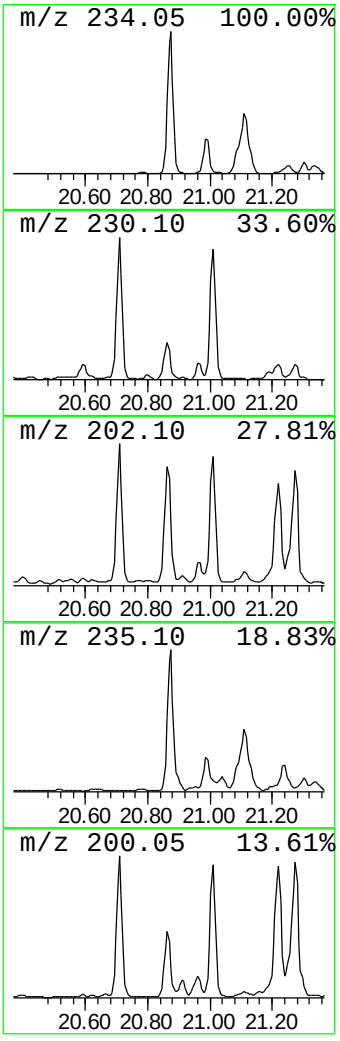
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.19 ng/ul	12906100	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64





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ALS Vial : 3 Sample Multiplier: 1

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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 Benzo[c]phenanthrene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.46 ng/ul	9967270	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	90
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
3	Triphenylene	228	C18H12	000217-59-4	55
4	Triphenylene	228	C18H12	000217-59-4	55
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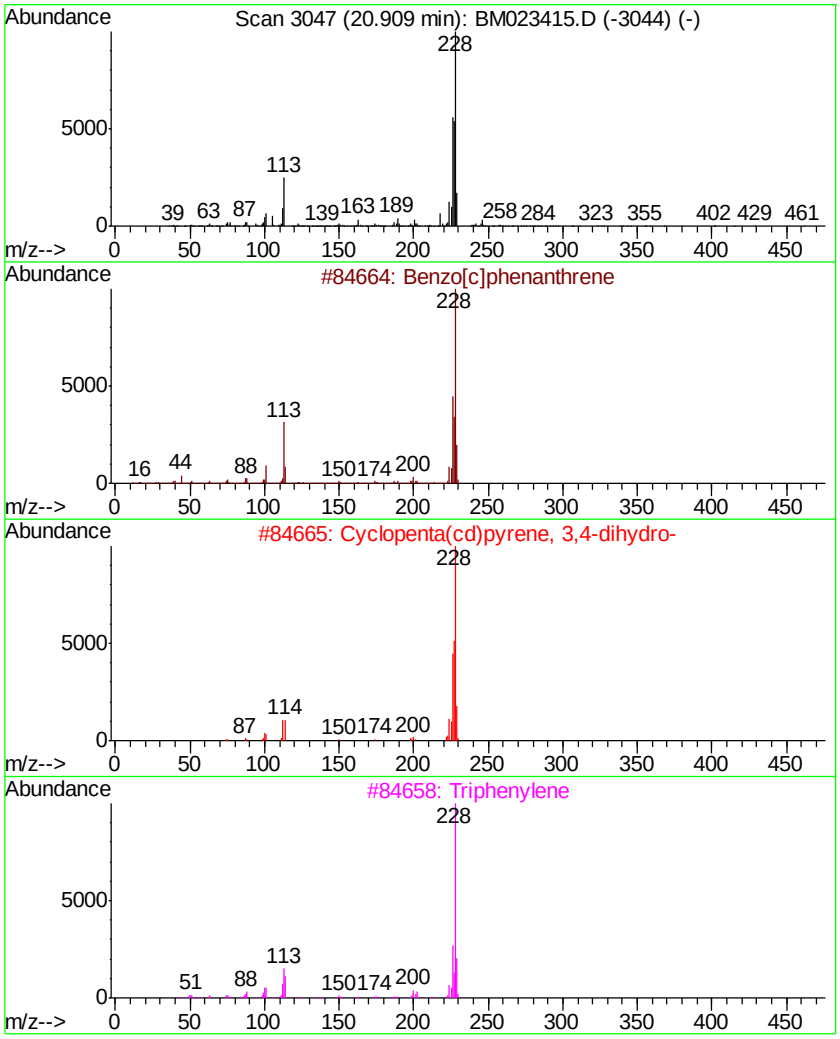

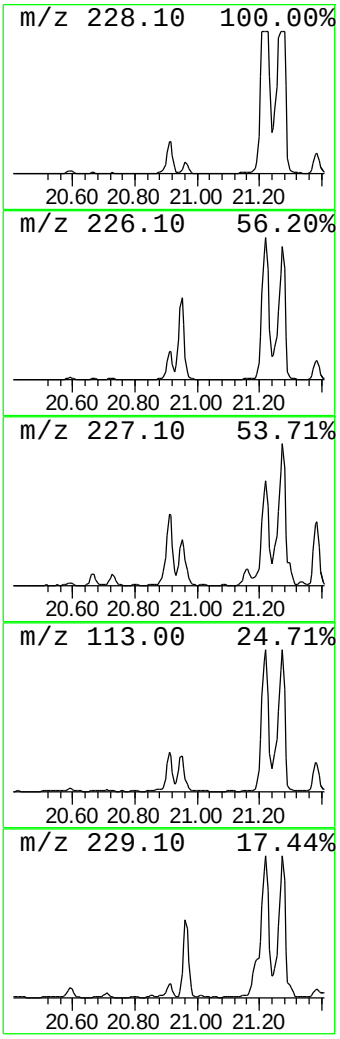

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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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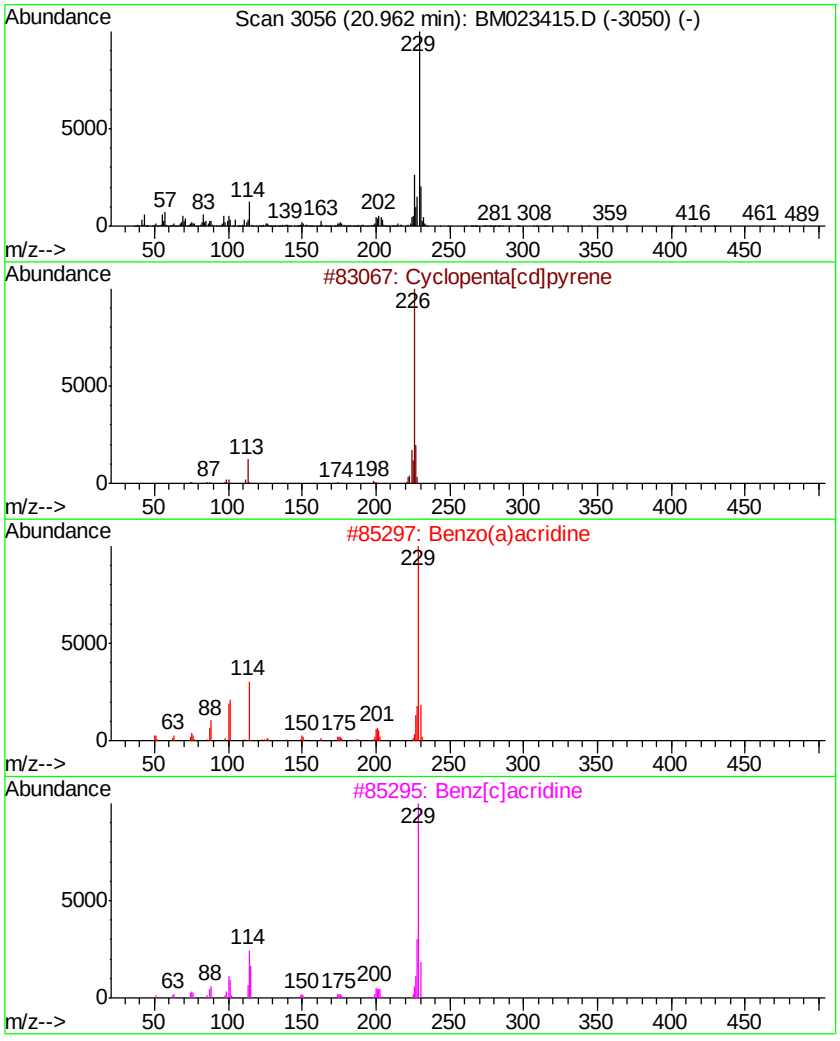
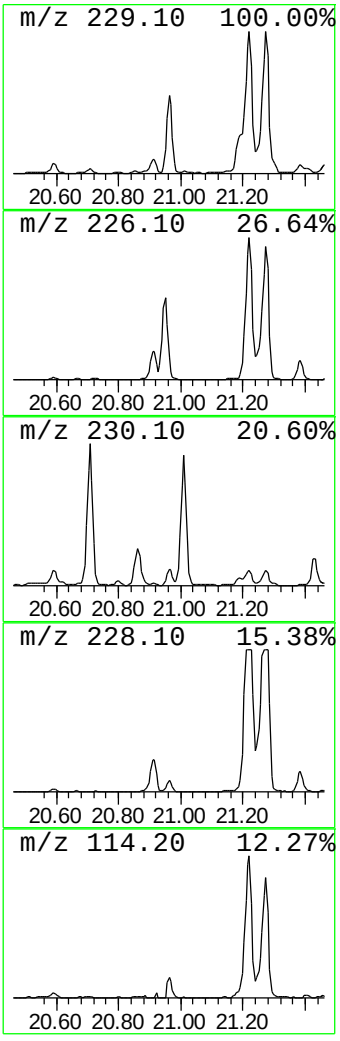
Peak Number 24 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	4.60 ng/ul	18627500	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
2	Benzo(a)acridine	229	C17H11N	000225-11-6	42
3	Benz[c]acridine	229	C17H11N	000225-51-4	41
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





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Acq On : 28 Oct 2019 12:36
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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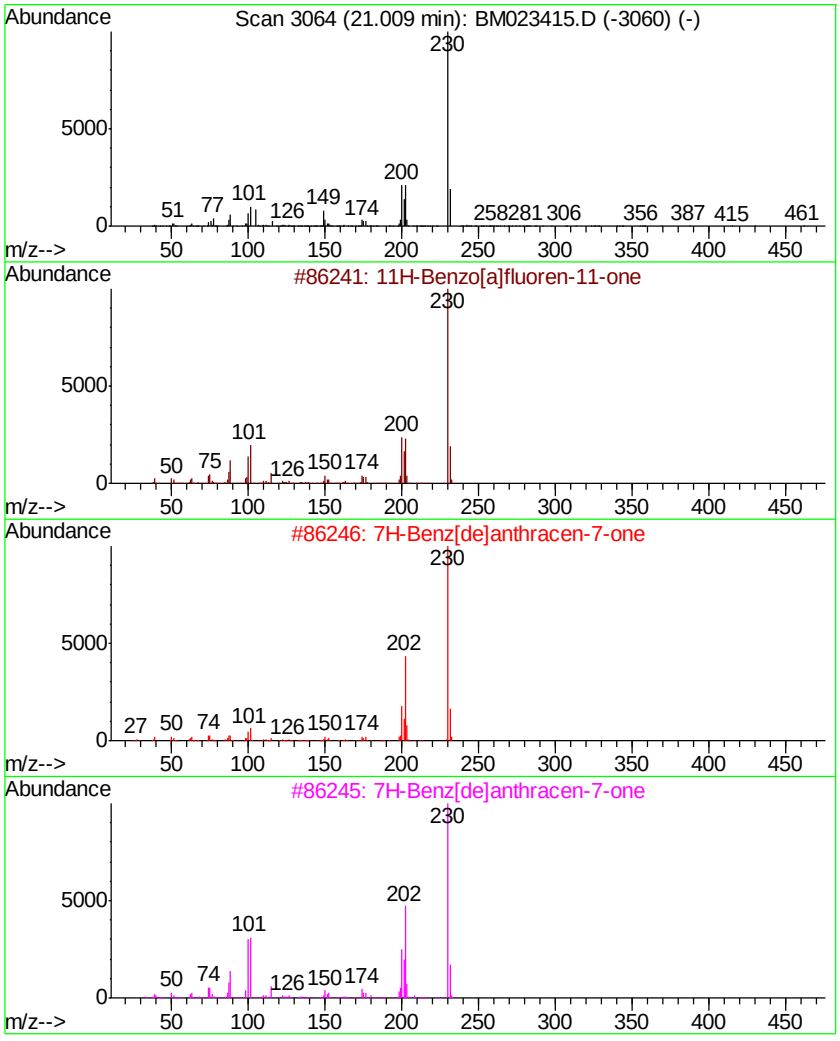
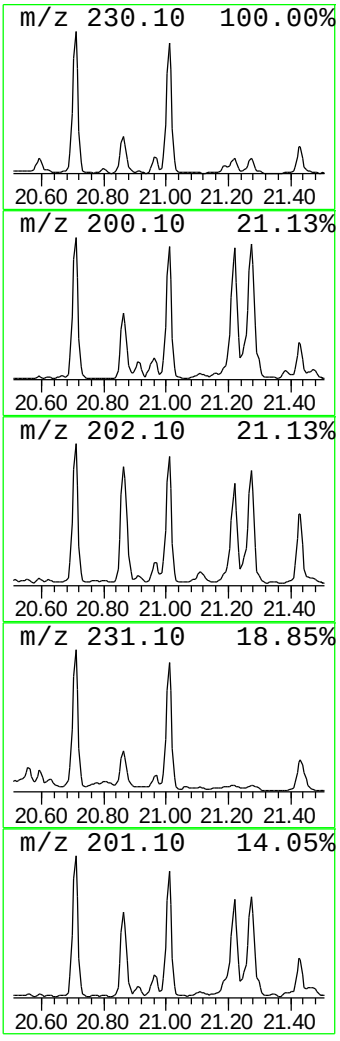
Peak Number 25 11H-Benzo[a]fluoren-11-one Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	3.40 ng/ul	13761700	Chrysene-d12	21.23

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	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64





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Sample : K5395-10
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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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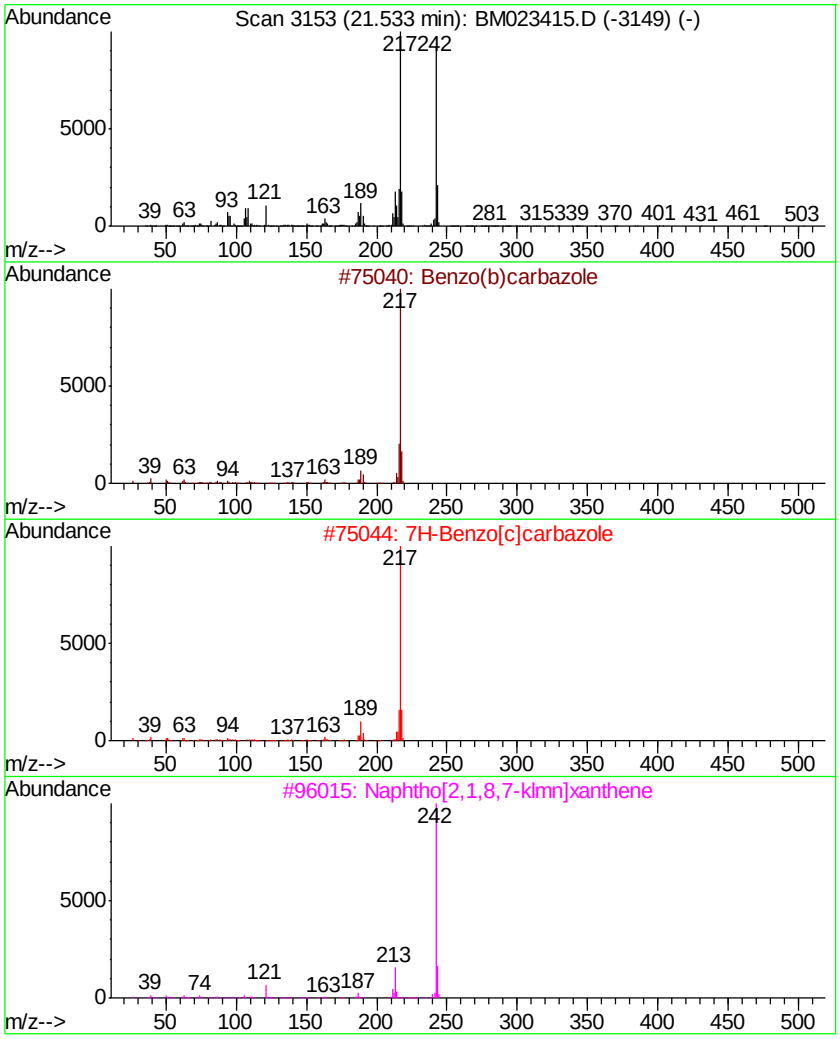
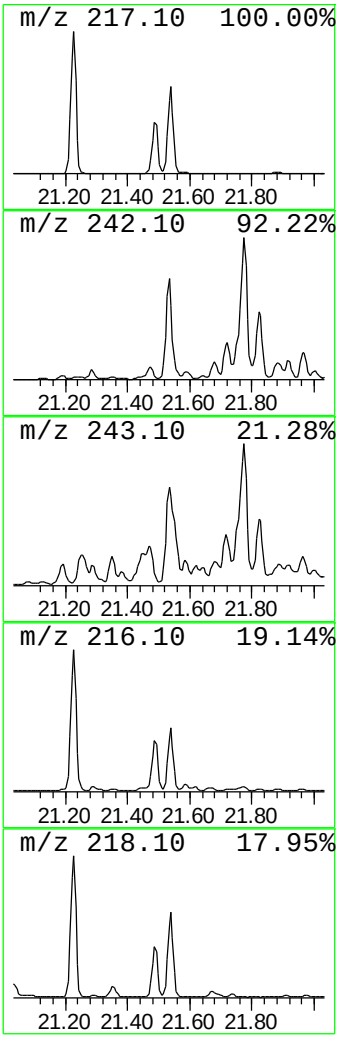
Peak Number 26 Benzo(b)carbazole Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.53 ng/ul	10250900	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	50
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	50
3	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	46
4	1-Aminopyrene	217	C16H11N	001606-67-3	41
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	41





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Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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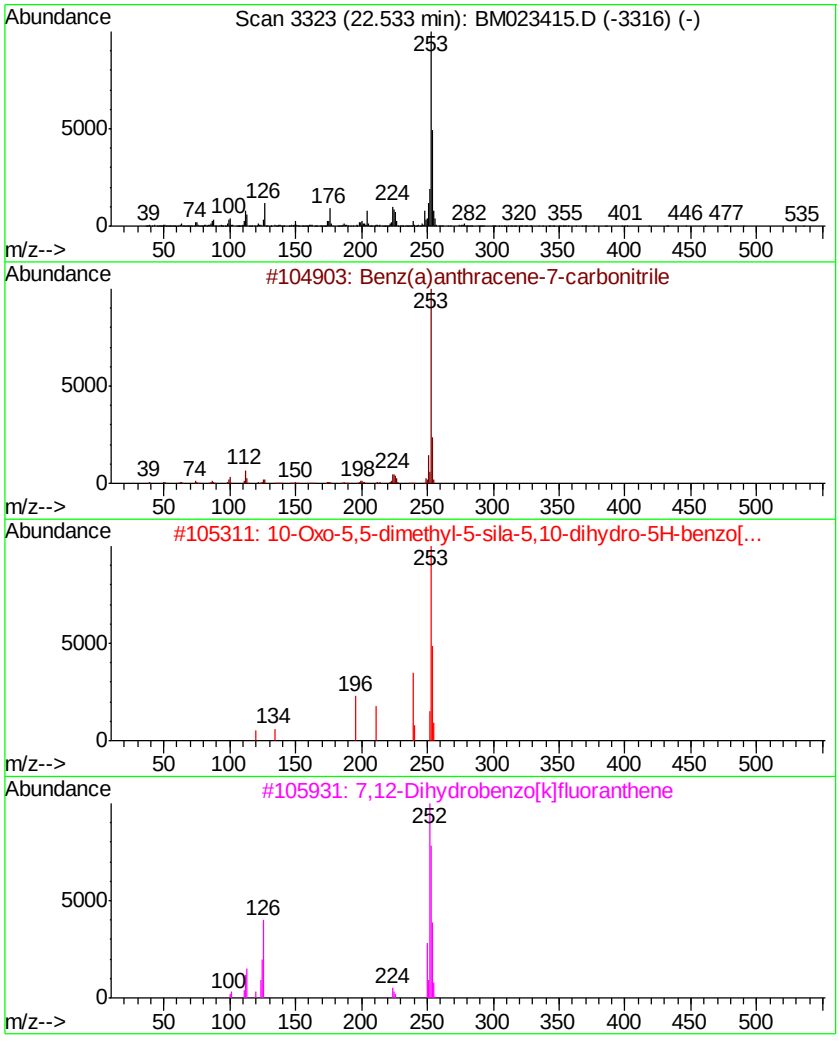
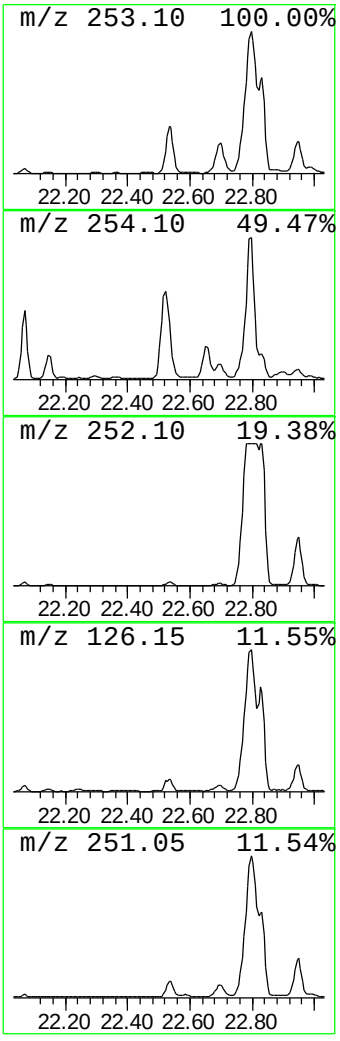
Peak Number 28 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	39.03 ng/ul	9449670	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	47
5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	42





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Quant Title : SVOA CALIBRATION

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

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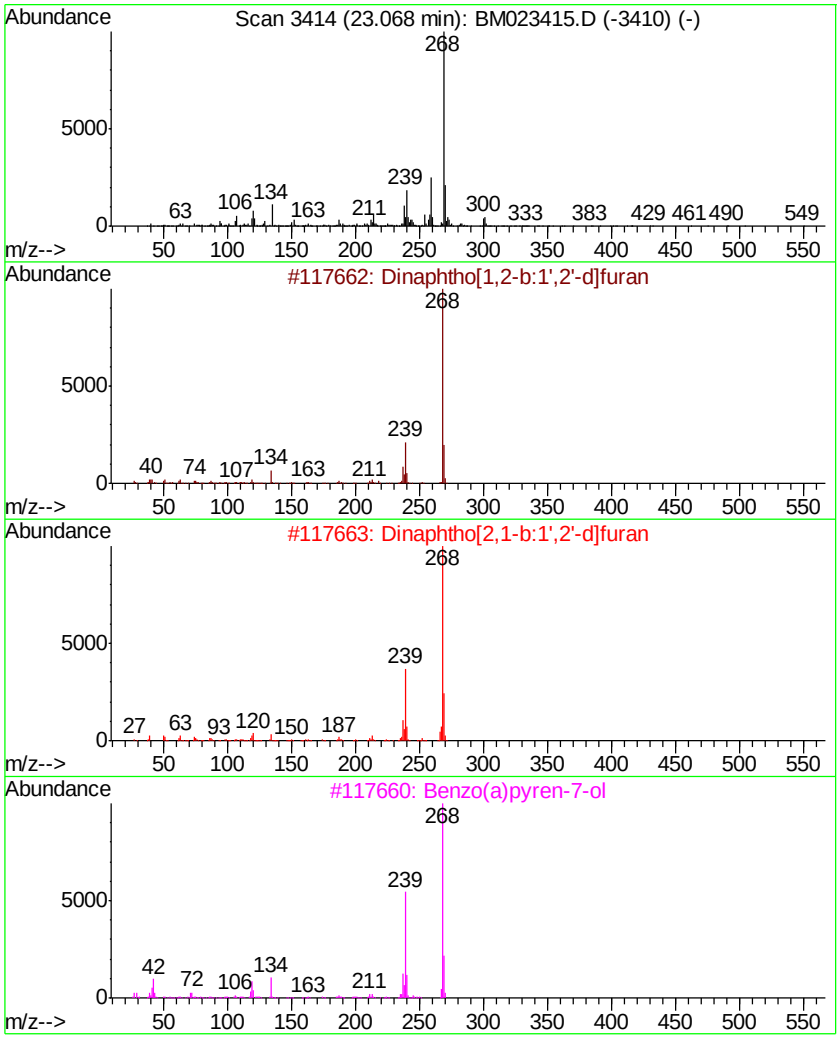
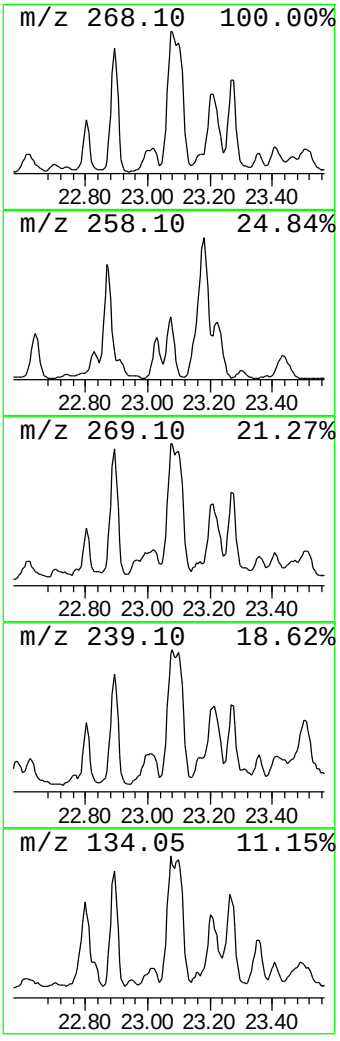
Peak Number 31 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	32.97 ng/ul	7982500	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	68
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





Tentatively Identified Compound (LSC) summary

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Acq On : 28 Oct 2019 12:36
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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
.beta.-Pinene	7.08	15.1	ng/ul	1807120	1	7.63	2387950	20.0
Dibenzofuran, 4-m...	15.77	7.4	ng/ul	1755220	4	17.03	4741600	20.0
9H-Fluoren-9-one	16.68	9.9	ng/ul	2340900	4	17.03	4741600	20.0
Anthracene, 1,2,3...	16.78	7.7	ng/ul	1831140	4	17.03	4741600	20.0
Dibenzothiophene	16.84	13.6	ng/ul	3223100	4	17.03	4741600	20.0
Dibenzo[a,e]cyclo...	17.55	7.9	ng/ul	1883460	4	17.03	4741600	20.0
Phenanthrene, 2-m...	17.90	23.4	ng/ul	5538330	4	17.03	4741600	20.0
Phenanthrene, 1-m...	17.95	36.8	ng/ul	8733370	4	17.03	4741600	20.0
Anthracene, 2-met...	18.03	10.7	ng/ul	2532600	4	17.03	4741600	20.0
4H-Cyclopenta[def...	18.10	42.3	ng/ul	10031800	4	17.03	4741600	20.0
1H-Indene, 1-phenyl-	18.13	12.8	ng/ul	3025490	4	17.03	4741600	20.0
4,4'-Bis(tetrahyd...	18.23	6.5	ng/ul	1542880	4	17.03	4741600	20.0
Naphthalene, 2-ph...	18.41	28.5	ng/ul	6756330	4	17.03	4741600	20.0
9,10-Anthracenedione	18.45	25.5	ng/ul	6051440	4	17.03	4741600	20.0
Anthracene, 2-ethyl-	18.66	9.3	ng/ul	2210600	4	17.03	4741600	20.0
Phenanthrene, 2,5...	18.83	11.8	ng/ul	2805000	4	17.03	4741600	20.0
Cyclopenta(def)ph...	18.97	29.3	ng/ul	6939100	4	17.03	4741600	20.0
Phenaleno[1,9-bc]...	19.34	3.2	ng/ul	12883400	5	21.23	80978500	20.0
Pyrene, 1-methyl-	19.80	2.7	ng/ul	10824800	5	21.23	80978500	20.0
Pyrene, 2-methyl-	20.12	2.4	ng/ul	9805280	5	21.23	80978500	20.0
Benzo[b]naphtho[2...	20.87	3.2	ng/ul	12906100	5	21.23	80978500	20.0
Benzo[c]phenanthrene	20.91	2.5	ng/ul	9967270	5	21.23	80978500	20.0
unknown-01	20.96	4.6	ng/ul	18627500	5	21.23	80978500	20.0
11H-Benzo[a]fluor...	21.01	3.4	ng/ul	13761700	5	21.23	80978500	20.0
Benzo(b)carbazole	21.53	2.5	ng/ul	10250900	5	21.23	80978500	20.0
Benz(a)anthracene...	22.53	39.0	ng/ul	9449670	6	23.44	4842420	20.0
Dinaphtho[1,2-b:1...	23.07	33.0	ng/ul	7982500	6	23.44	4842420	20.0