LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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-BM111119MA.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	6.704	638	649	664	rBV	649592	1120219	4.24%	0.427%
2	6.863	670	676	688	rBV	470882	809697	3.06%	0.308%
3	7.051	701	708	717	rVV	702849	1118883	4.23%	0.426%
4	7.510	778	786	796	rBV	1188075	1882223	7.12%	0.717%
5	8.228	902	908	923	rBV	765406	1305856	4.94%	0.497%
6	8.663	975	982	994	rVB	590508	984529	3.72%	0.375%
7	9.381	1097	1104	1117	rBV	486753	845733	3.20%	0.322%
8	9.922	1186	1196	1203	rBV	846773	1416964	5.36%	0.540%
9	10.010	1203	1211	1233	rVV	1925497	3752799	14.19%	1.430%
10	10.286	1248	1258	1263	rBV	1644265	2722268	10.29%	1.037%
11	10.334	1263	1266	1276	rVB	149757	239445	0.91%	0.091%
12	10.434	1276	1283	1287	rBV	550700	970810	3.67%	0.370%
13	10.486	1287	1292	1307	rVB	1368051	2419469	9.15%	0.922%
14	10.969	1368	1374	1383	rBV	121508	261490	0.99%	0.100%
15	11.963	1537	1543	1552	rVB	115072	206829	0.78%	0.079%
16	13.327	1770	1775	1783	rBV4	92024	243910	0.92%	0.093%
17	13.492	1798	1803	1808	rBV	146371	248024	0.94%	0.094%
18	13.592	1815	1820	1824	rVV	1446167	1971803	7.46%	0.751%
19	13.639	1824	1828	1833	rVV	699103	974807	3.69%	0.371%
20	13.863	1859	1866	1869	rBV	1697800	2854769	10.79%	1.088%
21	14.174	1911	1919	1925	rBV	2449503	3795647	14.35%	1.446%
22	14.233	1925	1929	1938	rVB	270290	436757	1.65%	0.166%
23	14.404	1951	1958	1967	rBV	302584	622142	2.35%	0.237%
24	14.574	1979	1987	1992	rBV	560587	935357	3.54%	0.356%
25	14.663	1997	2002	2009	rVB2	141445	215613	0.82%	0.082%
26	14.998	2050	2059	2064	rBV	1731038	2285352	8.64%	0.871%
27	15.169	2082	2088	2093	rBV	2262931	3396002	12.84%	1.294%
28	15.227	2093	2098	2104	rVB	1668042	2299648	8.70%	0.876%
29	15.310	2108	2112	2117	rBV	261363	379588	1.44%	0.145%
30	15.527	2144	2149	2159	rVB	346232	576323	2.18%	0.220%
31	15.668	2170	2173	2182	rVB	384450	723580	2.74%	0.276%
32	16.145	2244	2254	2262	rBV2	2515236	4786285	18.10%	1.823%
33	16.233	2264	2269	2274	rVV2	358157	705460	2.67%	0.269%
34	16.280	2274	2277	2283	rVB	154176	227585	0.86%	0.087%

LSC Area Percent Report

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Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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-BM111119MA.M
Title : SVOA CALIBRATION

35	16.386	2291	2295	2300	rVB	140074	202471	0.77%	0.077%
36	16.510	2312	2316	2319	rVV	136078	176093	0.67%	0.067%
37	16.580	2324	2328	2336	rVB	277980	460750	1.74%	0.176%
38	16.663	2337	2342	2348	rVV2	282360	526306	1.99%	0.200%
39	16.739	2348	2355	2366	rVB	658682	1246606	4.71%	0.475%
40	16.927	2381	2387	2389	rBV	2918118	4234903	16.01%	1.613%
41	16.968	2389	2394	2399	rVV	13458108	18565672	70.20%	7.073%
42	17.021	2399	2403	2406	rVV	2629307	3883786	14.69%	1.480%
43	17.057	2406	2409	2415	rVV	3196998	4112683	15.55%	1.567%
44	17.121	2415	2420	2426	rVB2	258439	436940	1.65%	0.166%
45	17.327	2451	2455	2460	rVB	657316	857892	3.24%	0.327%
46	17.451	2472	2476	2480	rBV2	213440	283803	1.07%	0.108%
47	17.504	2482	2485	2494	rVB4	151281	306344	1.16%	0.117%
48	17.645	2506	2509	2516	rVB2	118929	204696	0.77%	0.078%
49	17.721	2518	2522	2526	rBV5	105369	176184	0.67%	0.067%
50	17.798	2530	2535	2539	rVV	1148987	1630216	6.16%	0.621%
51	17.845	2539	2543	2552	rVV	1943440	2849302	10.77%	1.085%
52	17.927	2552	2557	2562	rVV	537629	800408	3.03%	0.305%
53	17.992	2562	2568	2572	rVV2	2594410	4127806	15.61%	1.573%
54	18.033	2572	2575	2581	rVB	674838	926840	3.50%	0.353%
55	18.110	2583	2588	2592	rVV4	112314	247730	0.94%	0.094%
56	18.151	2592	2595	2599	rVB3	140624	186453	0.71%	0.071%
57	18.309	2617	2622	2625	rBV	964529	1350329	5.11%	0.514%
58	18.351	2625	2629	2636	rVB	689011	1051775	3.98%	0.401%
59	18.557	2661	2664	2668	rVB2	194926	237298	0.90%	0.090%
60	18.609	2669	2673	2676	rVV	269929	355552	1.34%	0.135%
61	18.645	2676	2679	2684	rVB	200706	267868	1.01%	0.102%
62	18.733	2689	2694	2699	rBV	485921	873458	3.30%	0.333%
63	18.792	2699	2704	2707	rBV3	331176	533674	2.02%	0.203%
64	18.868	2713	2717	2725	rBV2	422045	782452	2.96%	0.298%
65	18.998	2732	2739	2746	rBV	20035706	26445981	100.00%	10.075%
66	19.062	2748	2750	2753	rVV	178958	234566	0.89%	0.089%
67	19.098	2753	2756	2759	rVV2	264566	326027	1.23%	0.124%
68	19.145	2760	2764	2768	rVV	619190	845061	3.20%	0.322%
69	19.233	2776	2779	2784	rVB	430970	604482	2.29%	0.230%
70	19.327	2790	2795	2797	rBV2	5237786	7092393	26.82%	2.702%
71	19.362	2797	2801	2809	rVV	14395666	20277812	76.68%	7.725%

LSC Area Percent Report

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Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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-BM111119MA.M
Title : SVOA CALIBRATION

72	19.433	2809	2813	2820	rVB2	564511	899231	3.40%	0.343%
73	19.539	2827	2831	2838	rBV	779515	1065602	4.03%	0.406%
74	19.604	2838	2842	2847	rVB	553828	761130	2.88%	0.290%
75	19.692	2850	2857	2862	rBV3	775606	2045331	7.73%	0.779%
76	19.739	2863	2865	2869	rVB	273206	284634	1.08%	0.108%
77	19.821	2875	2879	2881	rBV4	618856	836279	3.16%	0.319%
78	19.862	2882	2886	2891	rVB	2688297	3537015	13.37%	1.347%
79	19.962	2898	2903	2907	rBV	2645163	3493488	13.21%	1.331%
80	20.015	2907	2912	2917	rVV2	1114061	1799253	6.80%	0.685%
81	20.103	2924	2927	2931	rBV3	219612	347286	1.31%	0.132%
82	20.156	2933	2936	2940	rVV	465944	528578	2.00%	0.201%
83	20.203	2940	2944	2948	rBV2	560068	877842	3.32%	0.334%
84	20.609	3011	3013	3020	rVB	608846	874702	3.31%	0.333%
85	20.774	3037	3041	3044	rBV	1175856	1533232	5.80%	0.584%
86	20.815	3044	3048	3051	rVB	956114	1055354	3.99%	0.402%
87	20.862	3051	3056	3060	rBV2	1053646	2133530	8.07%	0.813%
88	21.115	3095	3099	3105	rBV3	9566456	17586816	66.50%	6.700%
89	21.168	3105	3108	3116	rVB	7173270	9023973	34.12%	3.438%
90	21.280	3124	3127	3130	rBV	862152	1115263	4.22%	0.425%
91	21.439	3150	3154	3160	rBV2	1044238	1638299	6.19%	0.624%
92	22.297	3297	3300	3304	rVB	1393159	1756146	6.64%	0.669%
93	22.650	3354	3360	3365	rBV	6277760	14851434	56.16%	5.658%
94	22.809	3384	3387	3396	rVB	1271687	1952179	7.38%	0.744%
95	23.103	3432	3437	3441	rBV	3391630	5779374	21.85%	2.202%
96	23.150	3441	3445	3448	rVV	2242096	3613173	13.66%	1.376%
97	23.192	3448	3452	3460	rVB	5957246	10426107	39.42%	3.972%
98	23.286	3463	3468	3472	rBV	2575217	4465945	16.89%	1.701%
99	25.427	3826	3832	3842	rVB	2779255	7174070	27.13%	2.733%
100	26.080	3937	3943	3953	rVB	2050224	5585702	21.12%	2.128%

Sum of corrected areas: 262499446

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
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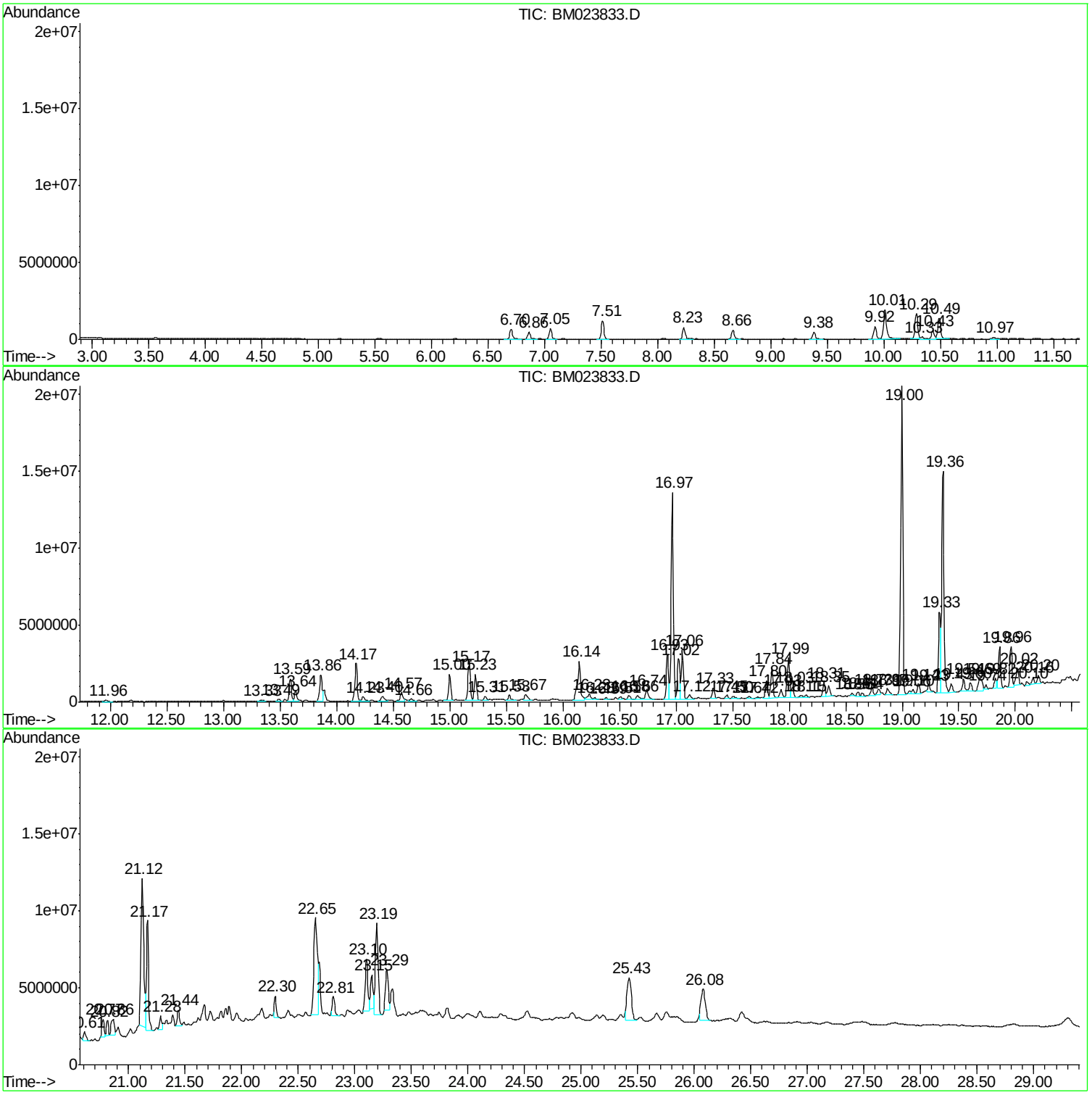
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM023833.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

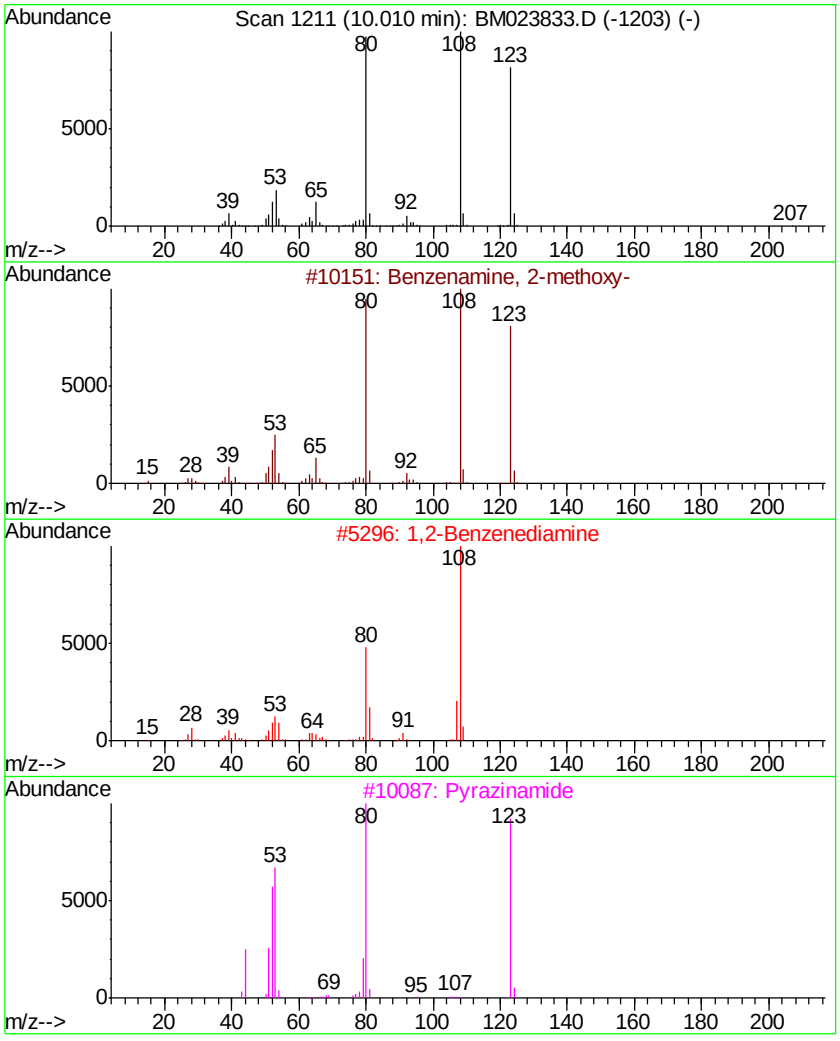
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

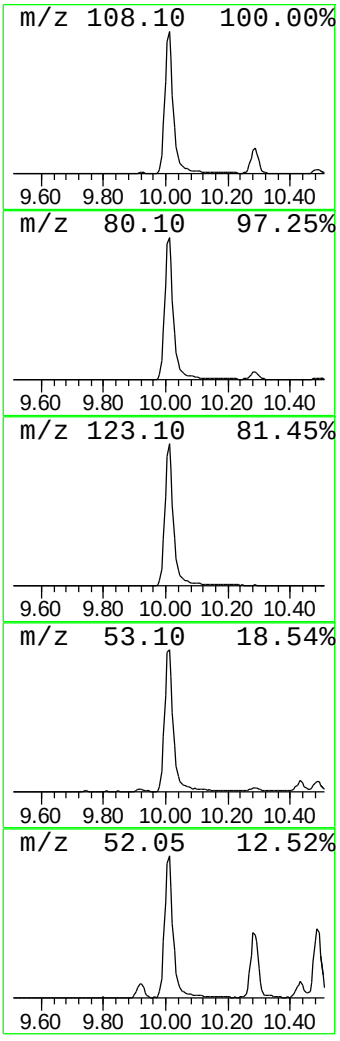
****

Peak Number 1 Benzenamine, 2-methoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	27.57 ng/ul	3752800	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	96
2	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72
3	Pyrazinamide	123	C5H5N3O	000098-96-4	72
4	Pyrazinamide	123	C5H5N3O	000098-96-4	64
5	Bicyclo[2.2.2]oct-2-ene	108	C8H12	000931-64-6	59





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Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

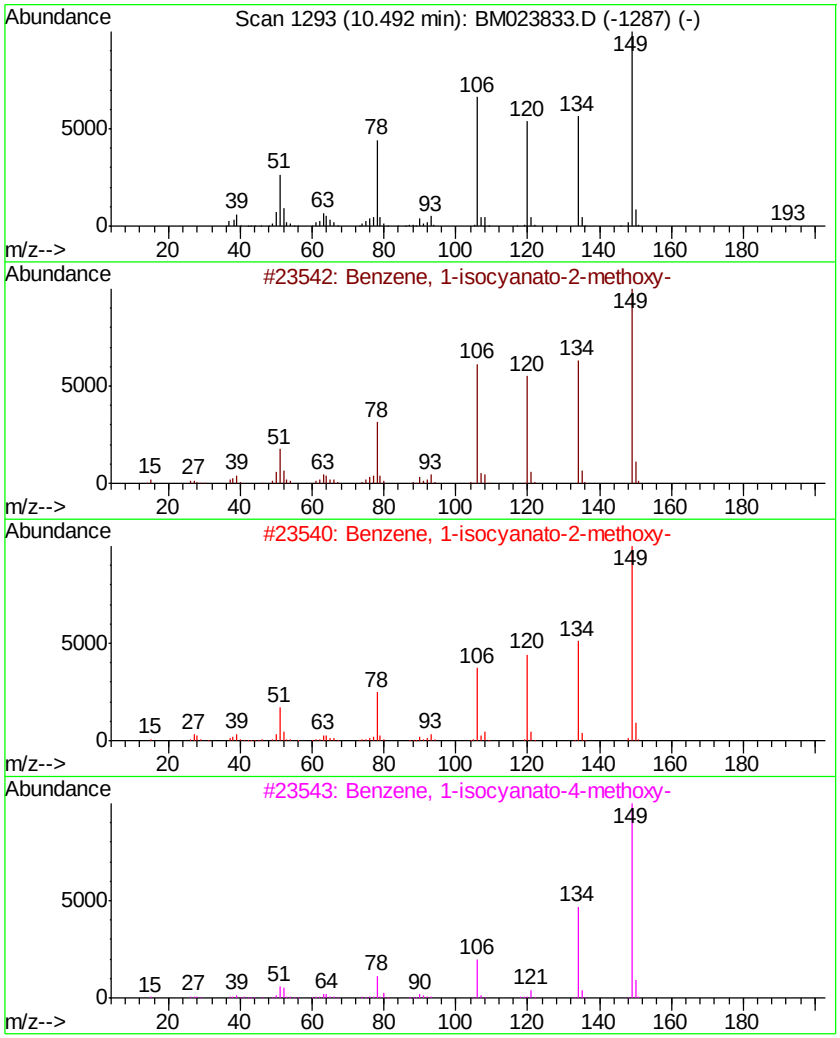
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

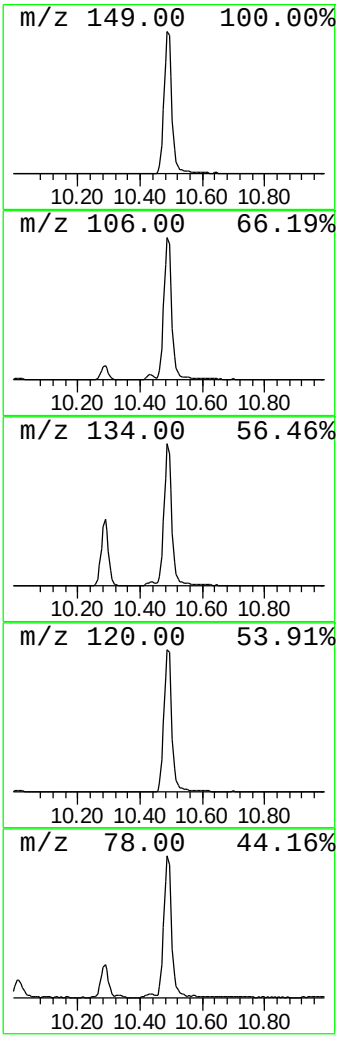
****

Peak Number 2 Benzene, 1-isocyanato-2-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	17.78 ng/ul	2419470	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-isocyanato-2-methoxy-	149	C8H7NO2	000700-87-8	94
2	Benzene, 1-isocyanato-2-methoxy-	149	C8H7NO2	000700-87-8	81
3	Benzene, 1-isocyanato-4-methoxy-	149	C8H7NO2	005416-93-3	49
4	1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	46
5	2H-1,4-Benzoxazin-3(4H)-one	149	C8H7NO2	005466-88-6	41





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Instrument : BNA_M
ClientSampleId : C0AA8

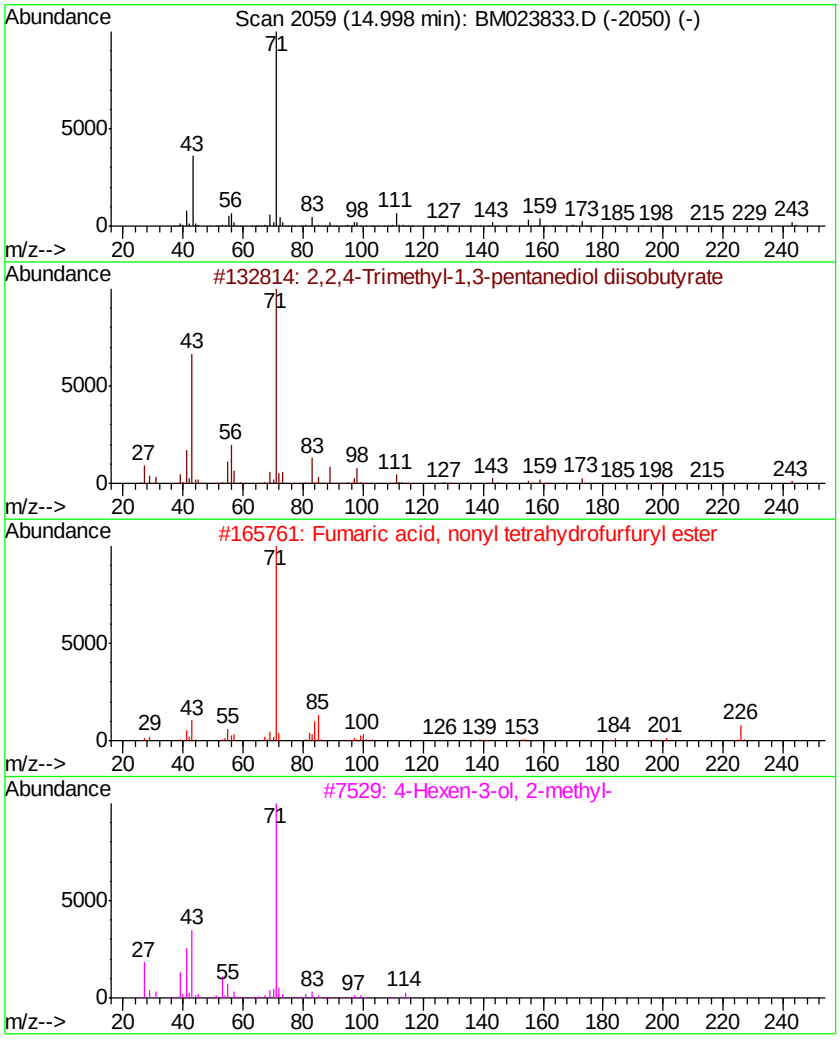
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

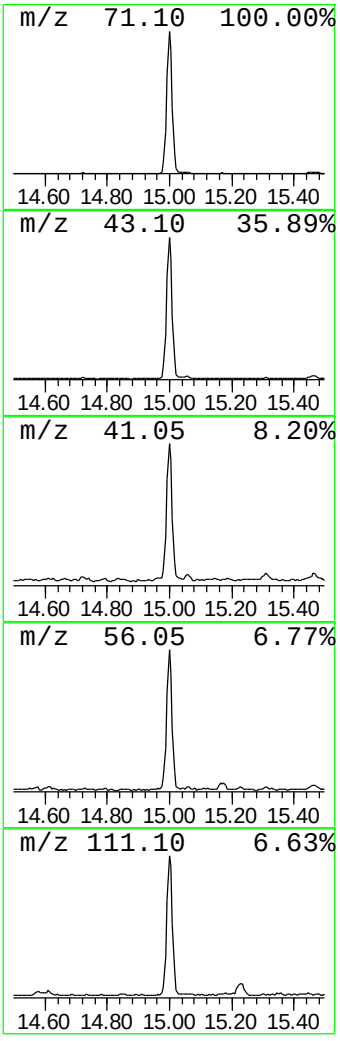
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,2,4-Trimethyl-1,3-pentane... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	12.04 ng/ul	2285350	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
2	Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	59
3	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	45
4	3,3-Dimethylheptadecane	268	C19H40	1000360-43-3	45
5	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	45





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

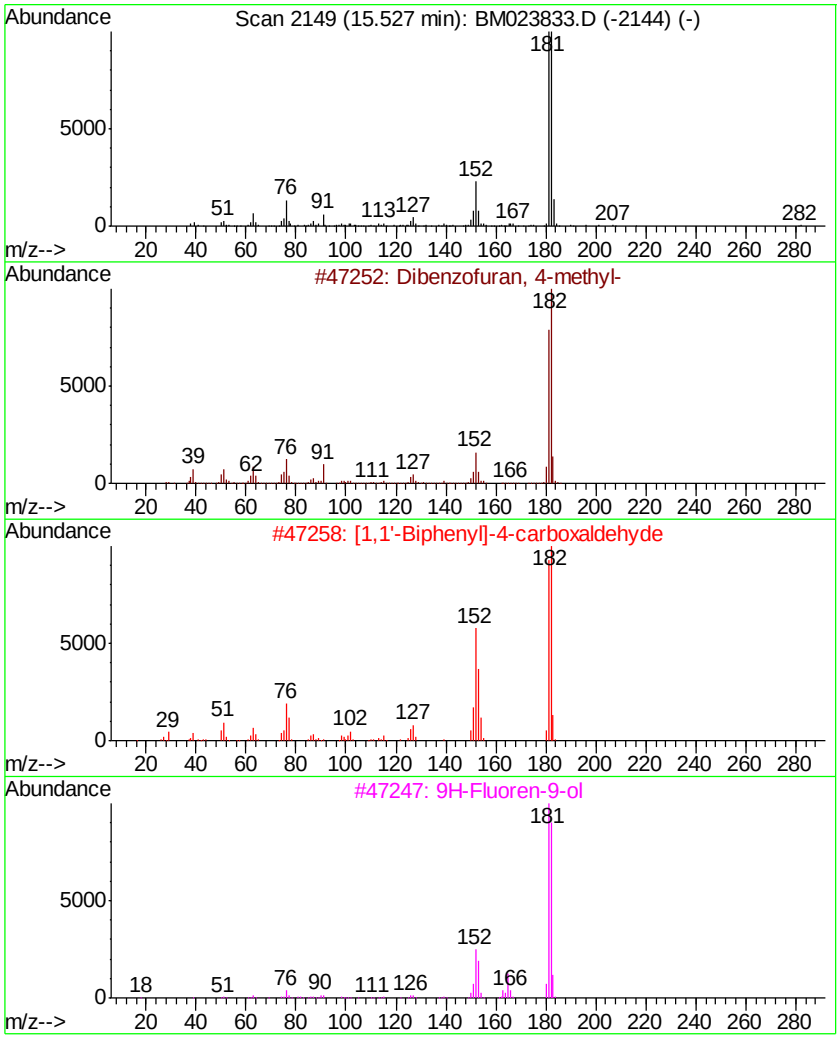
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

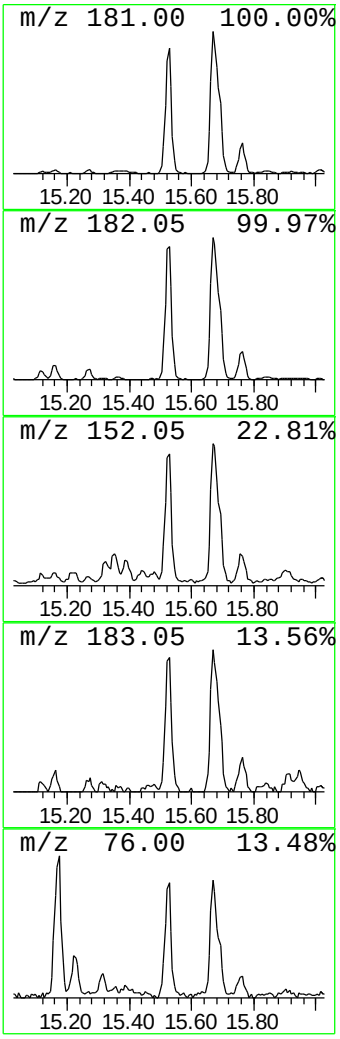
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.04 ng/ul	576323	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	72





Library Search Compound Report

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Operator : JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

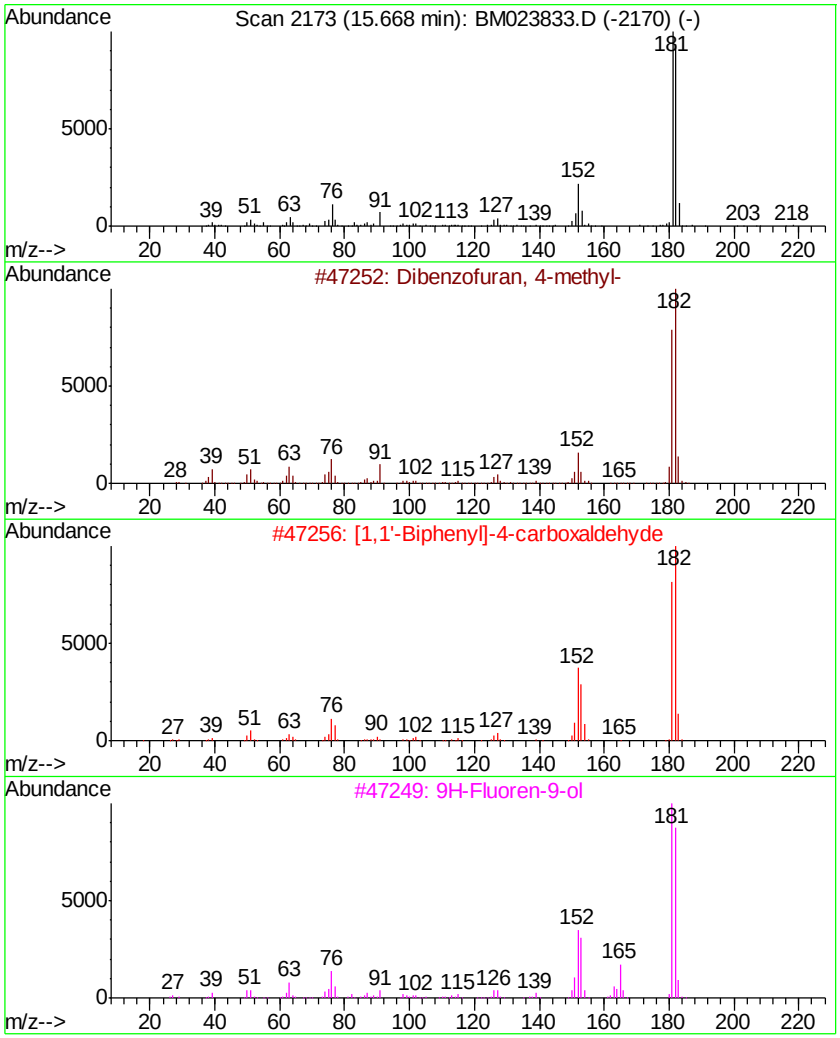
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

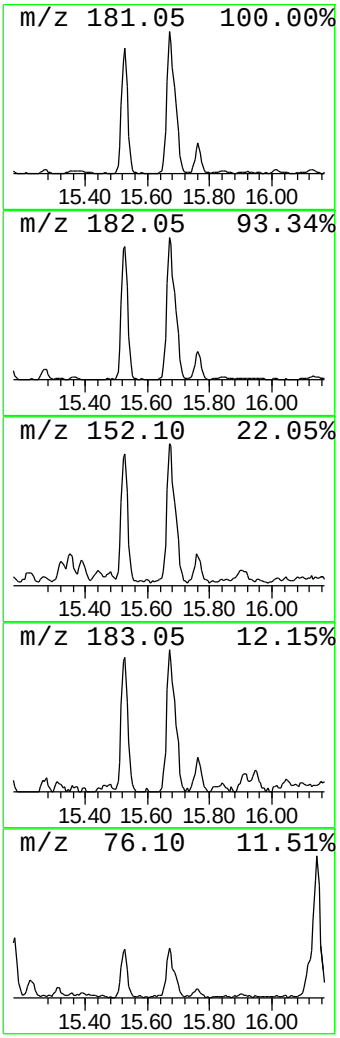
****

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	3.42 ng/ul	723580	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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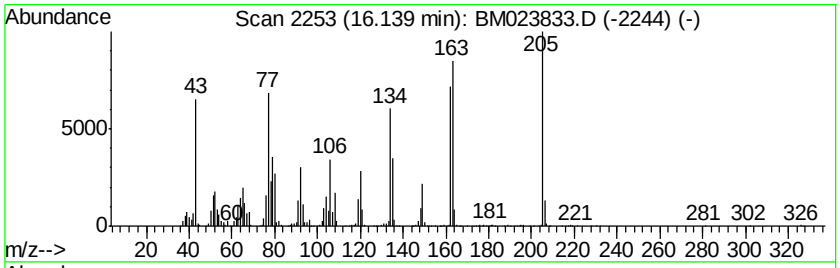
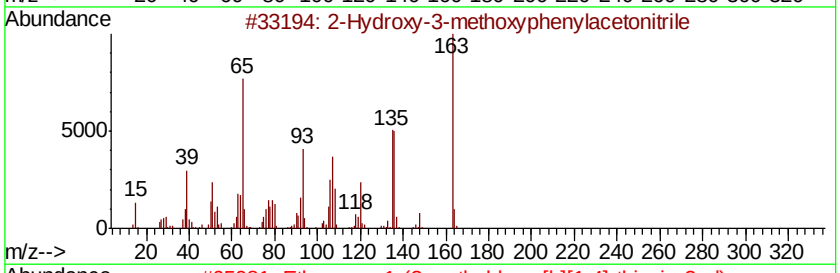
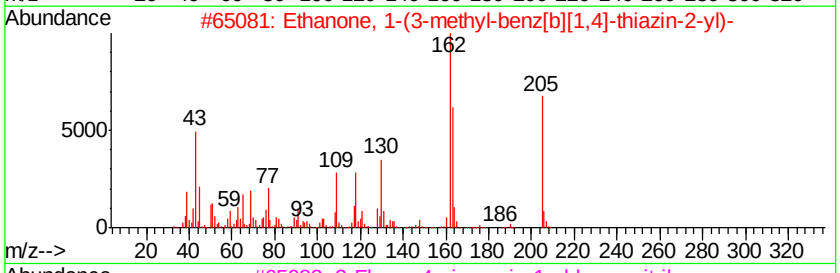
Peak Number 6 unknown-01 Concentration Rank 2

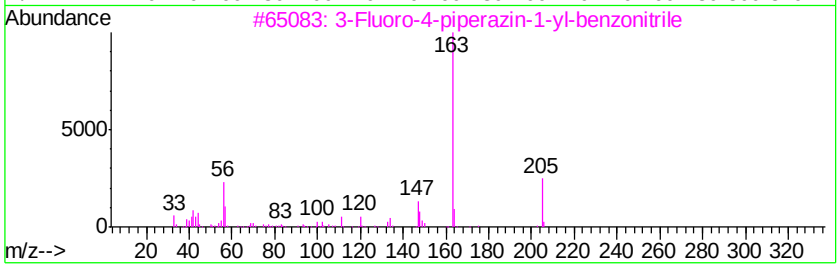
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	22.60 ng/ul	4786290	Phenanthrene-d10	16.92

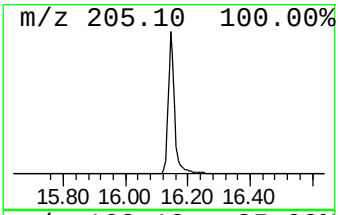
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-3-methoxyphenylacetoni...	163	C9H9NO2	042973-56-8	42
2	Ethanone, 1-(3-methyl-benz[b][1,...	205	C11H11NOS	031645-94-0	38
3	3-Fluoro-4-piperazin-1-yl-benzon...	205	C11H12FN3	1000294-93-5	35
4	1-(4-Methyl-2-pyridyl)-1-propano...	206	C10H14N4O	099171-51-4	30
5	Benzonitrile, 3,4-dimethoxy-	163	C9H9NO2	002024-83-1	25

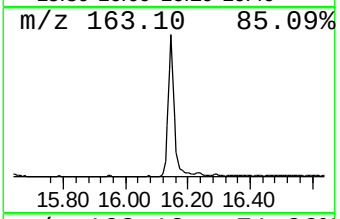


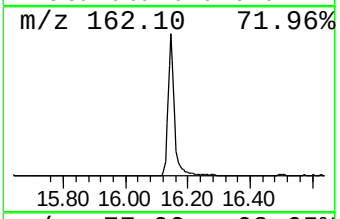


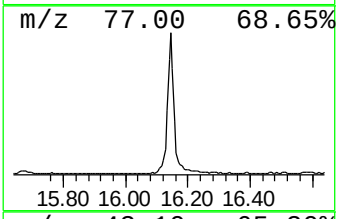


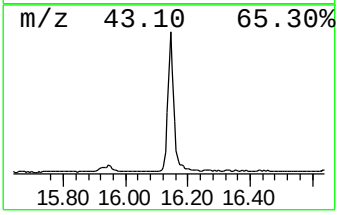












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Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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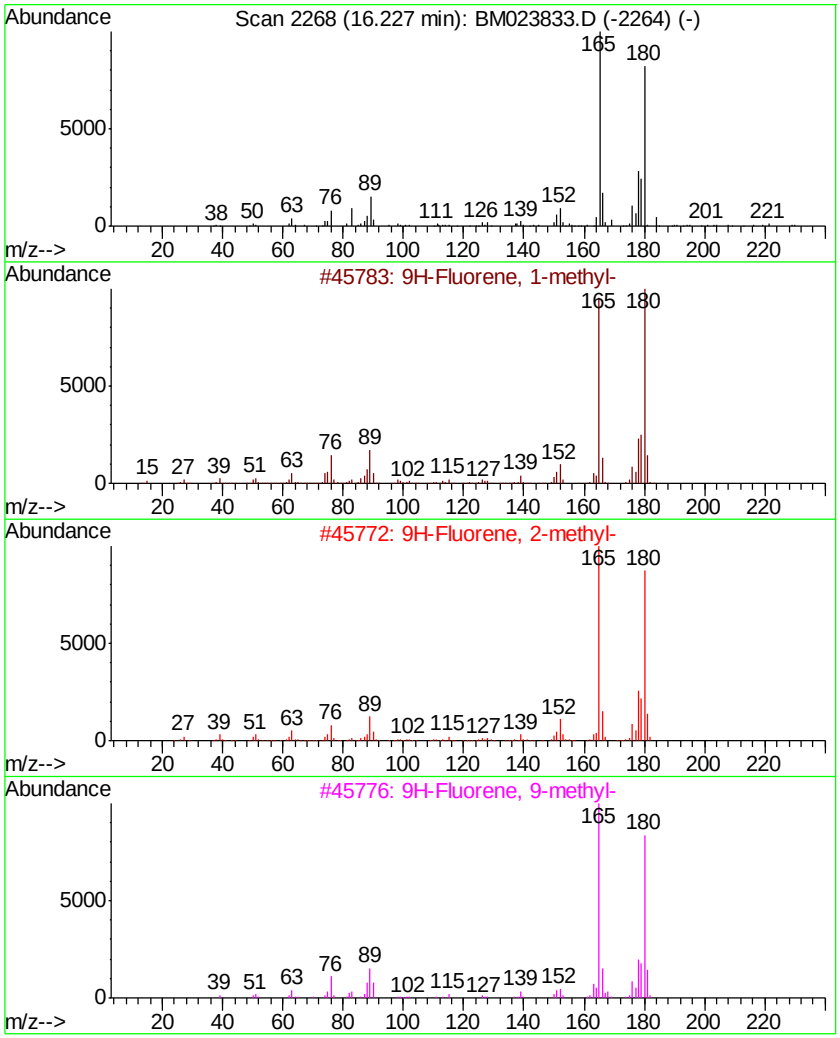
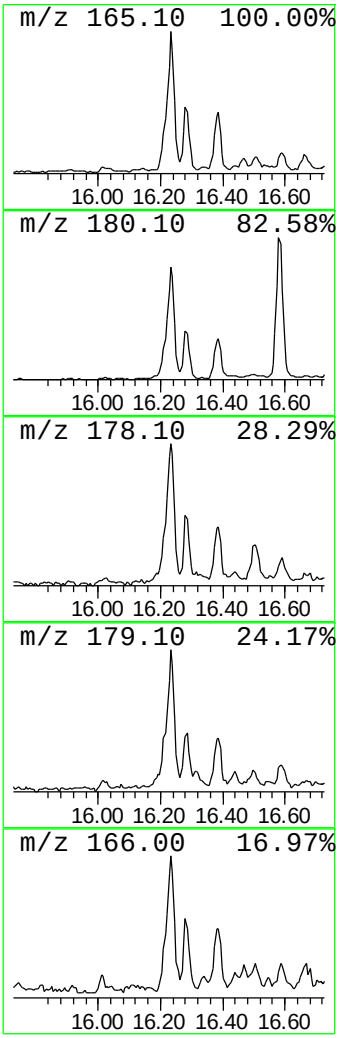
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	3.33 ng/ul	705460	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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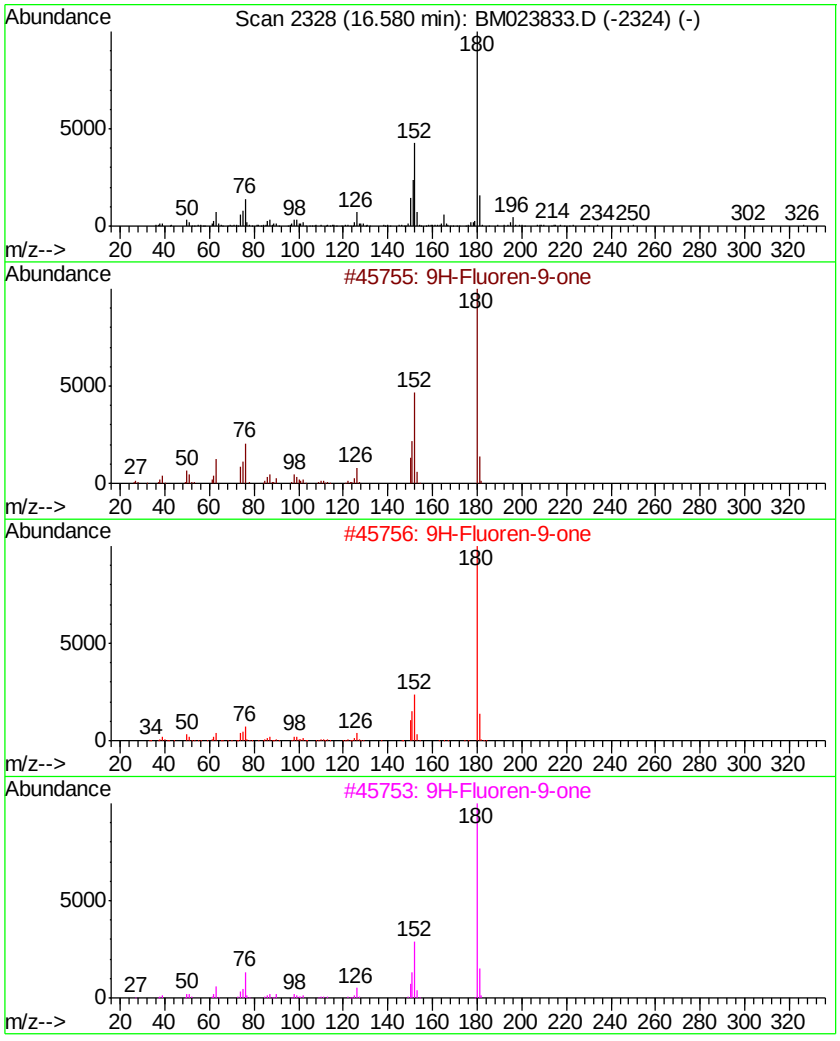
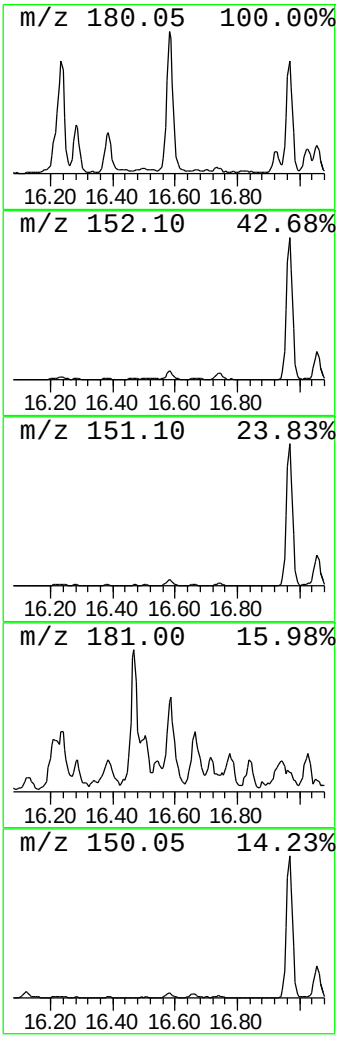
Peak Number 8 9H-Fluoren-9-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	2.18 ng/ul	460750	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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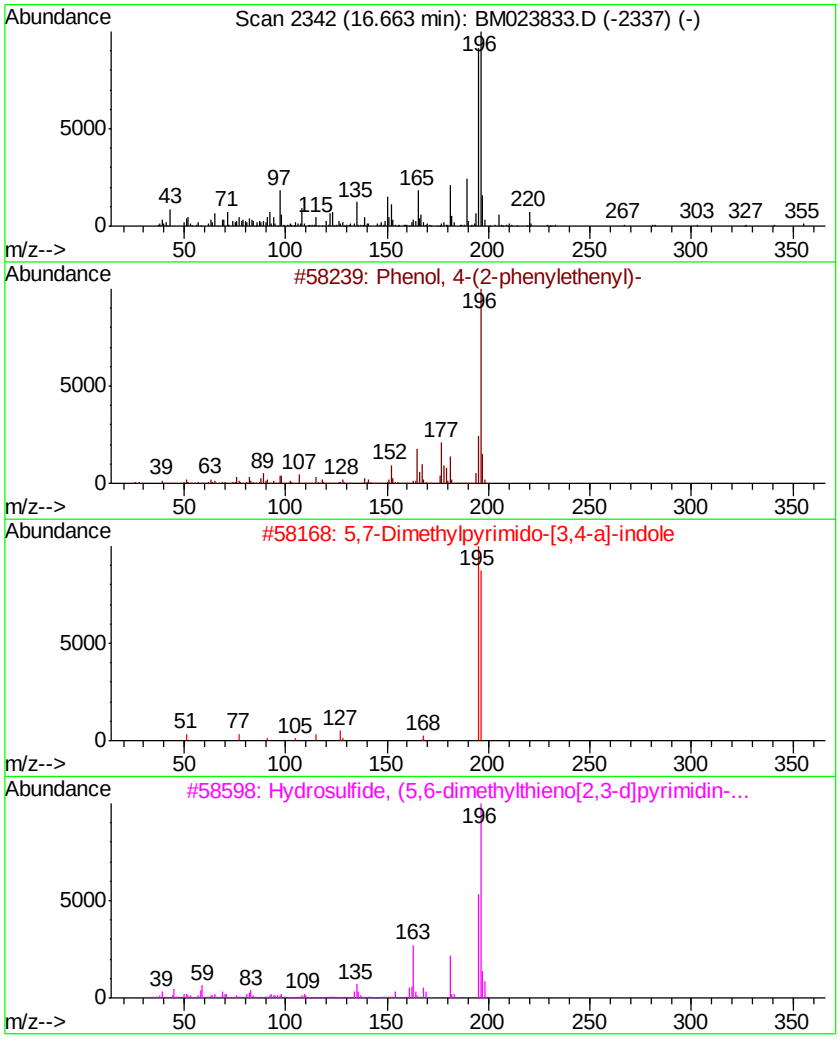
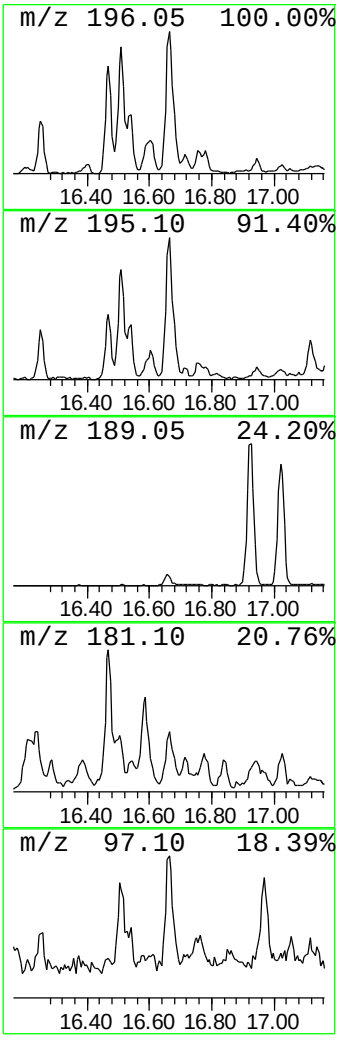
Peak Number 9 Phenol, 4-(2-phenylethenyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2.49 ng/ul	526306	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	49
3	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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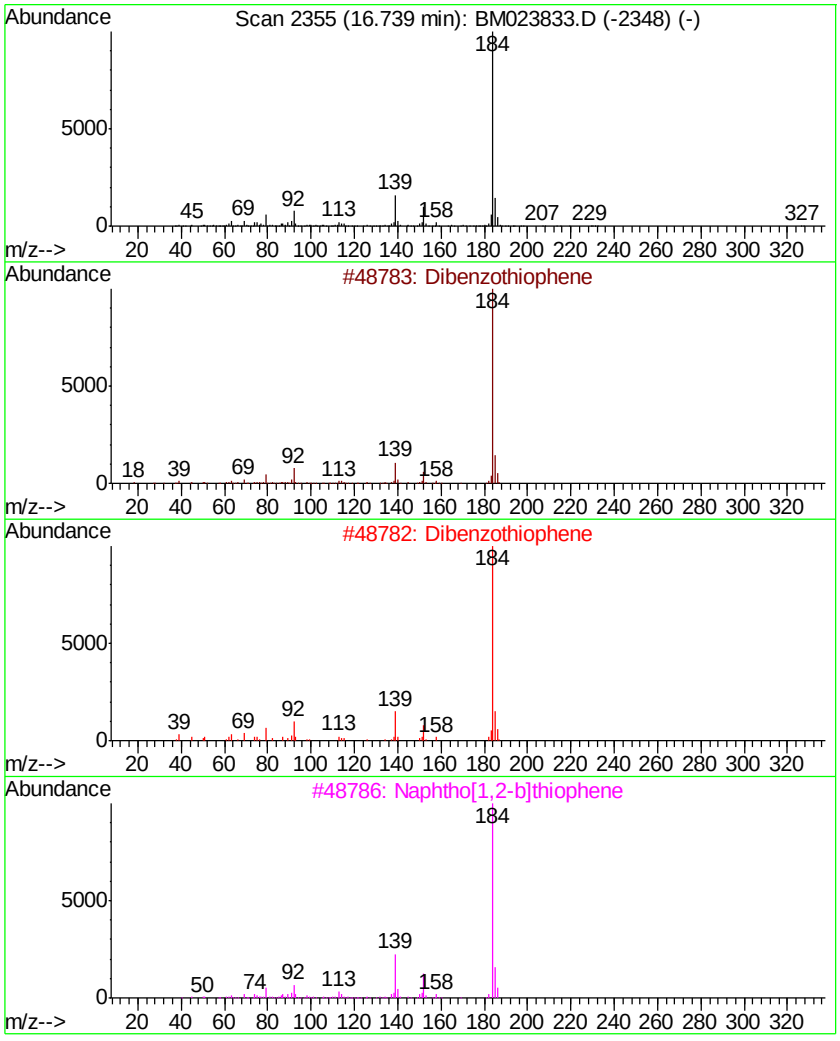
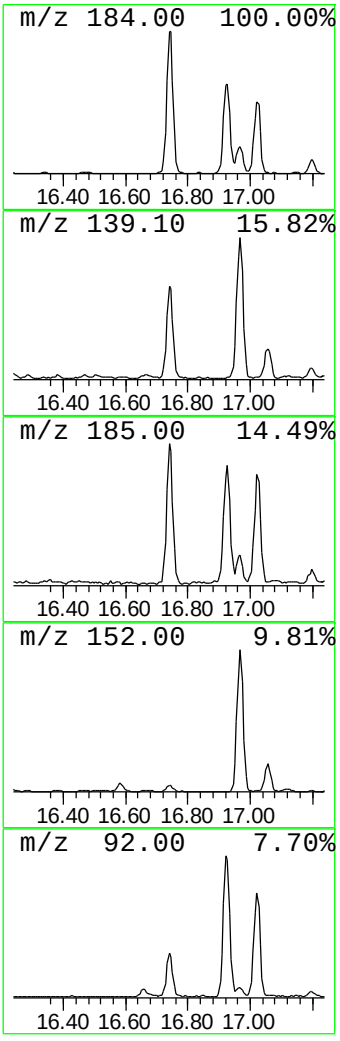
Peak Number 10 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	5.89 ng/ul	1246610	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
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	95





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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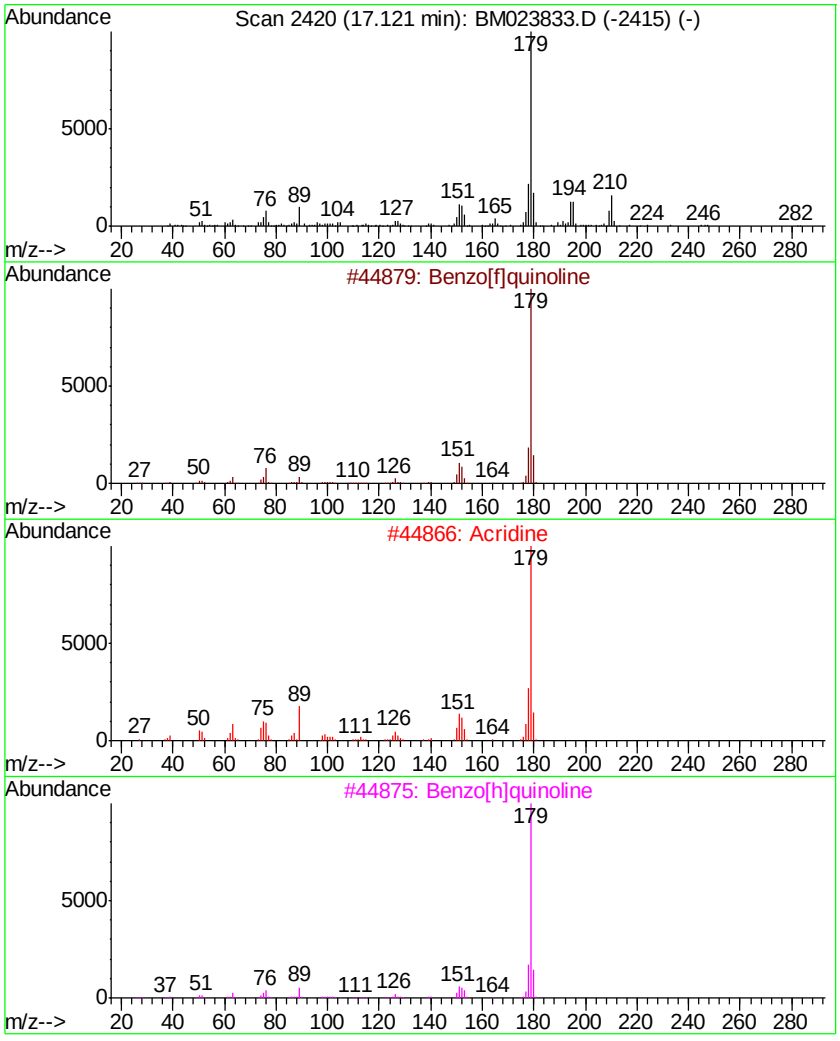
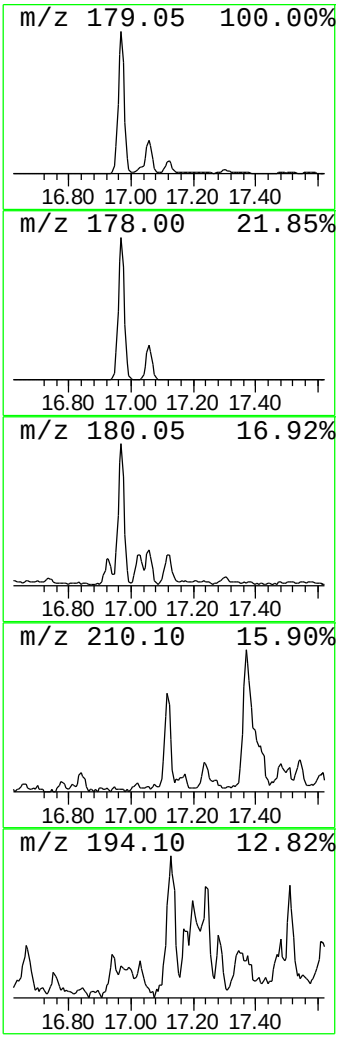
Peak Number 11 Benzo[f]quinoline Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.06 ng/ul	436940	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[f]quinoline	179	C13H9N	000085-02-9	95
2	Acridine	179	C13H9N	000260-94-6	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4	Acridine	179	C13H9N	000260-94-6	94
5	Phenanthridine	179	C13H9N	000229-87-8	90





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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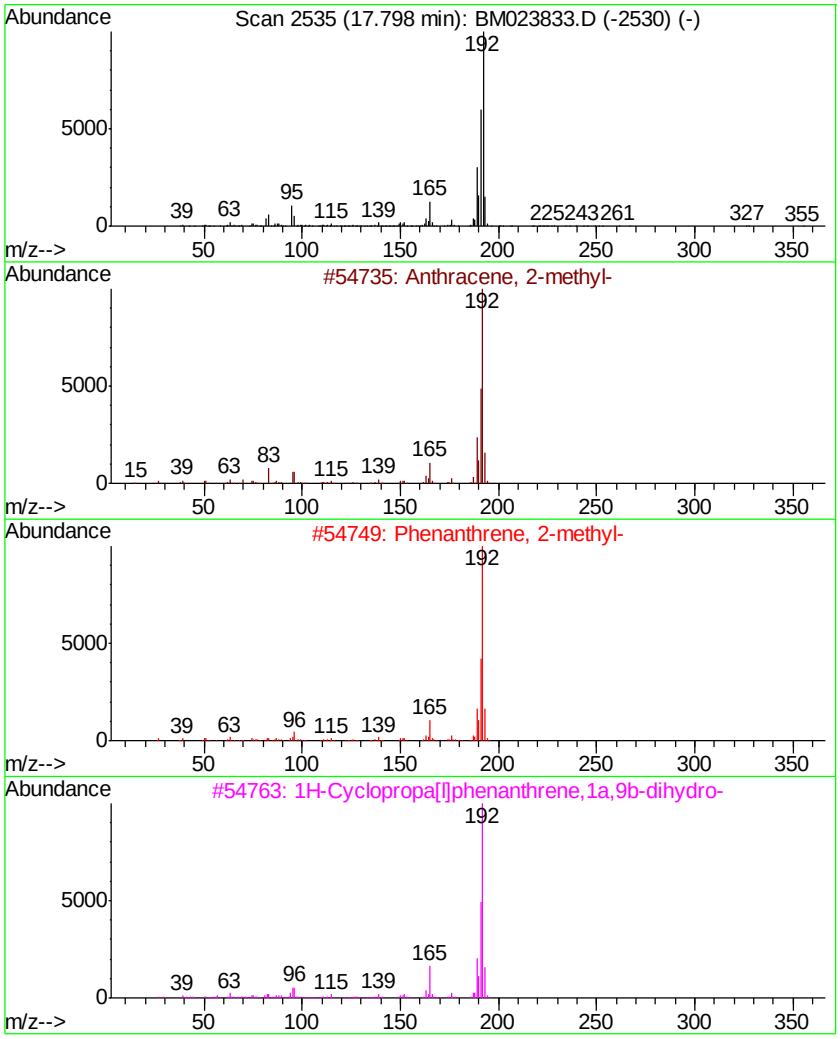
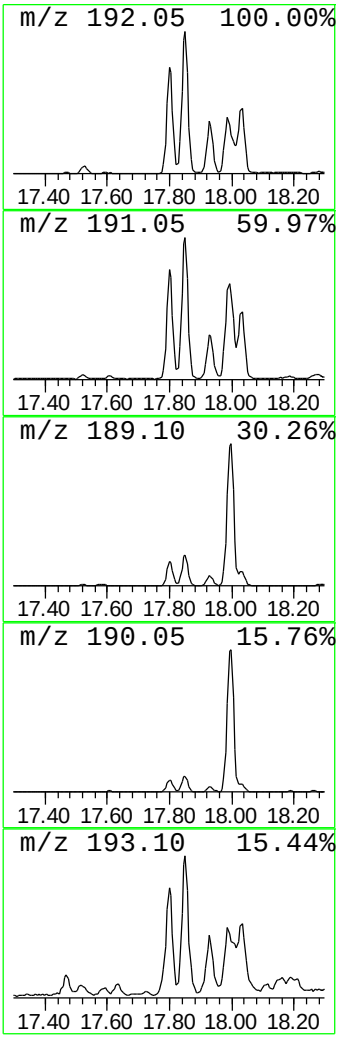
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	7.70 ng/ul	1630220	Phenanthrene-d10	16.92

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





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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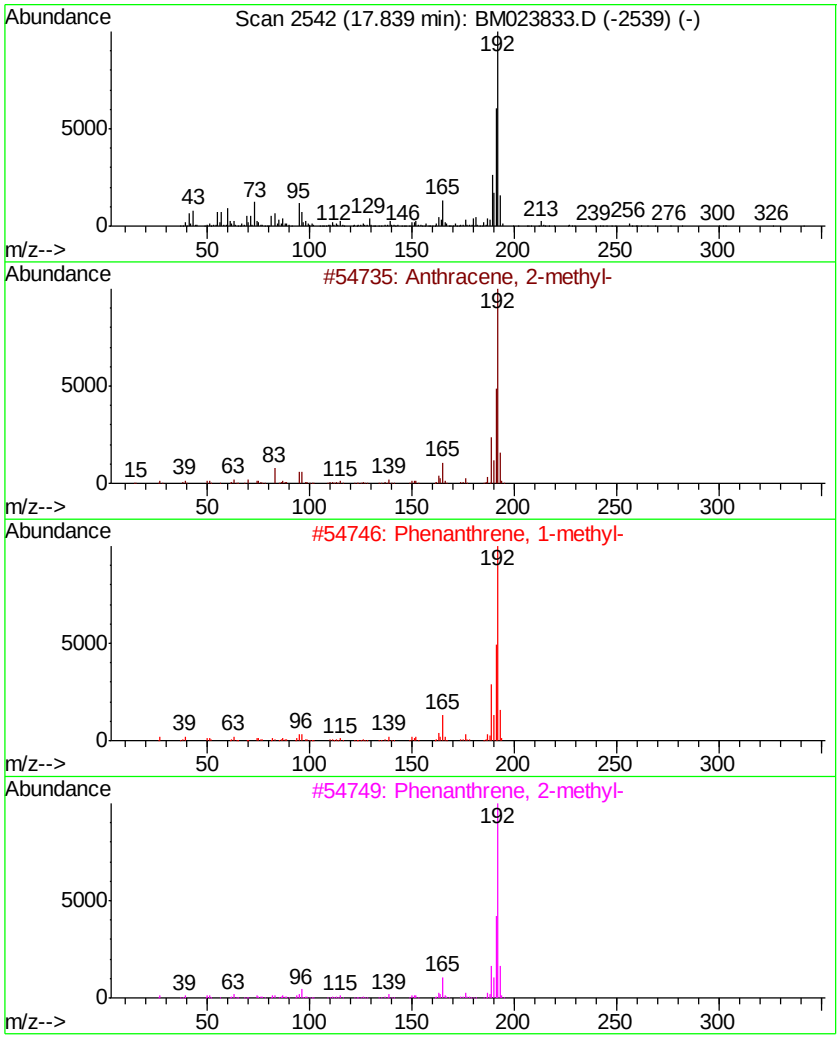
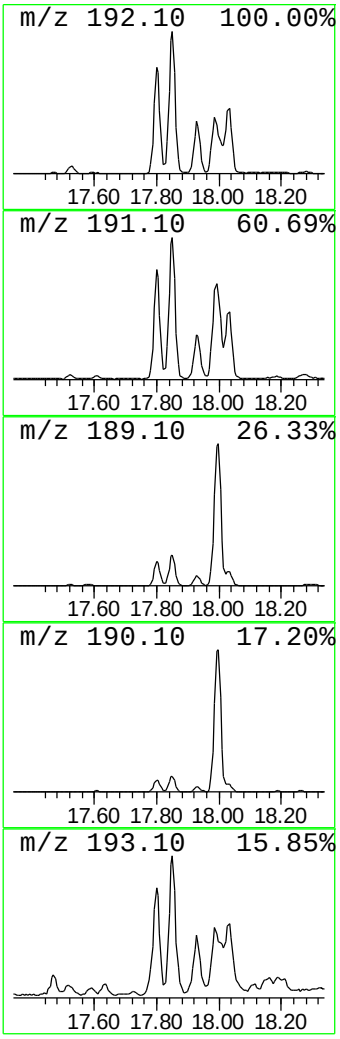
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	13.46 ng/ul	2849300	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Quant Title : SVOA CALIBRATION

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

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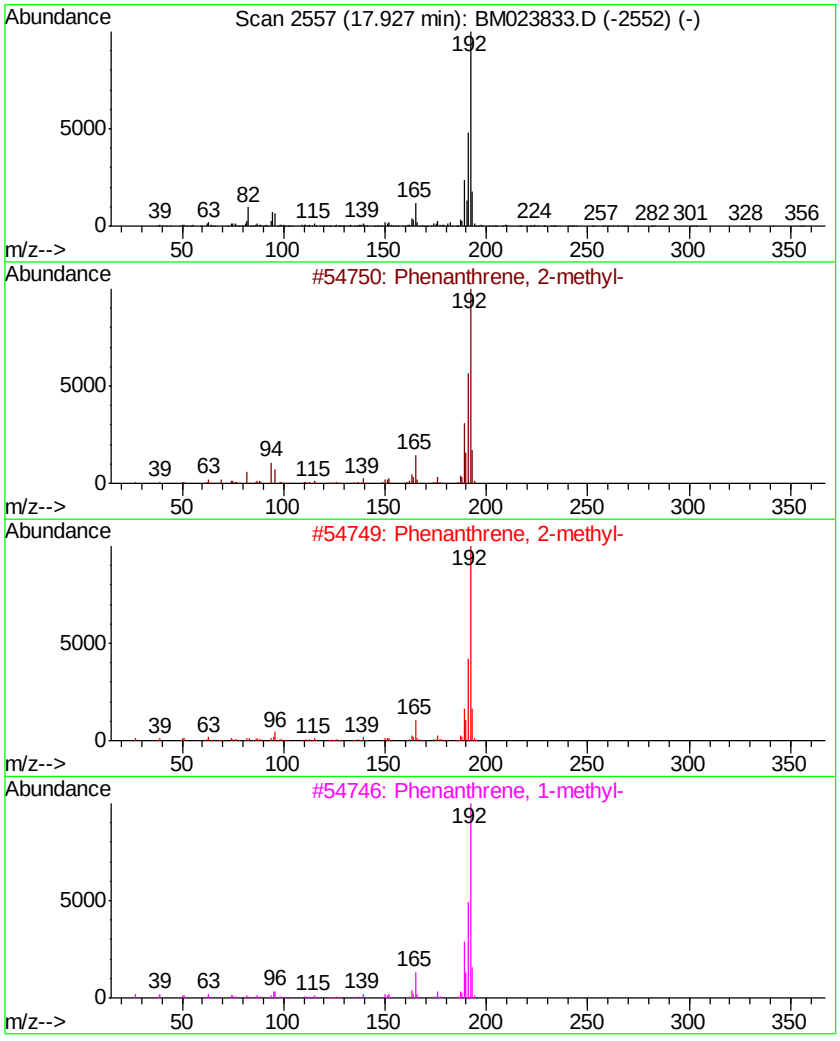
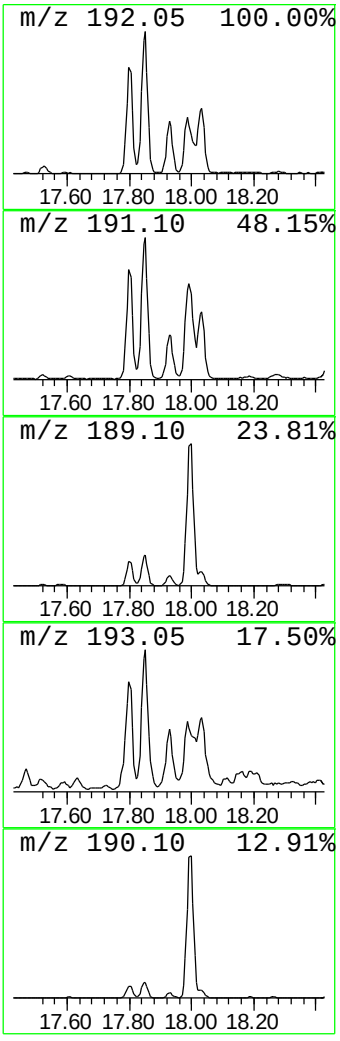
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.78 ng/ul	800408	Phenanthrene-d10	16.92

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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Quant Title : SVOA CALIBRATION

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

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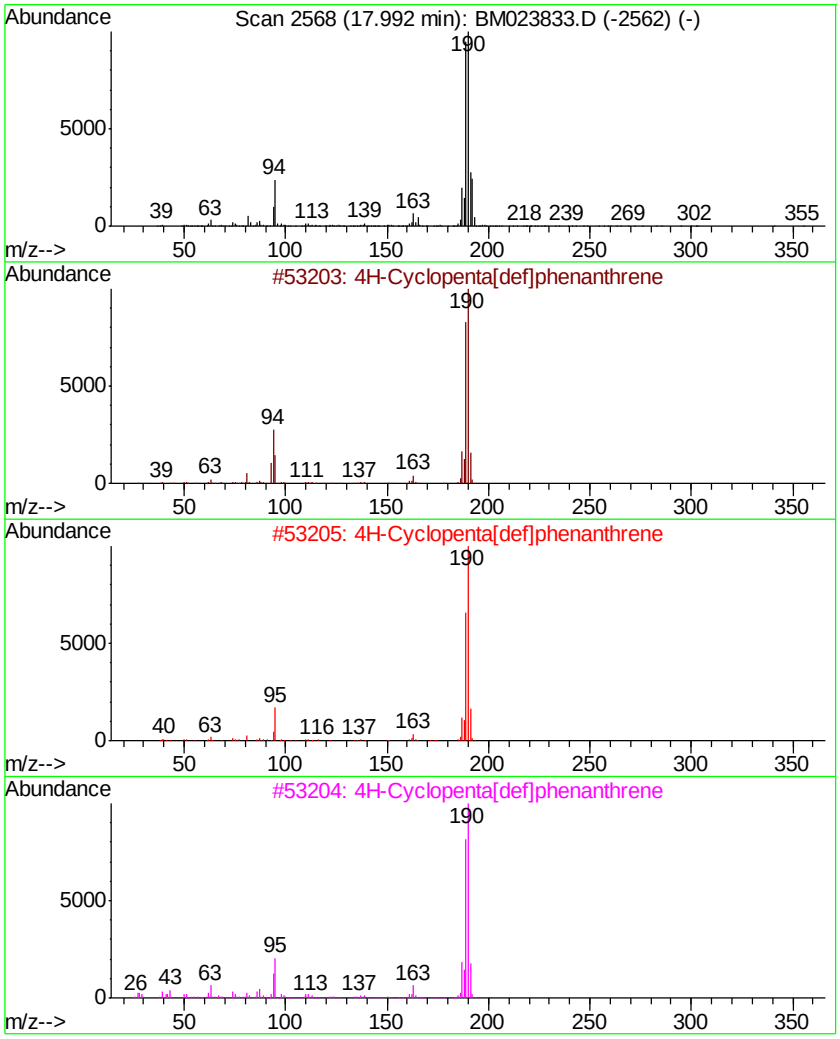
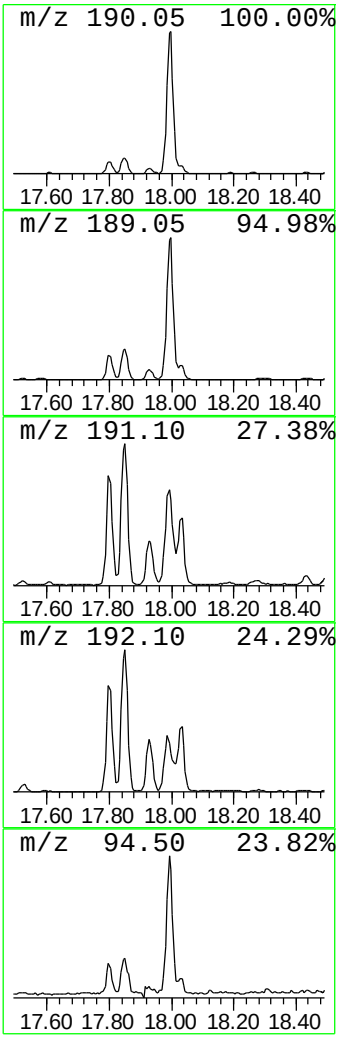
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	19.49 ng/ul	4127810	Phenanthrene-d10	16.92

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	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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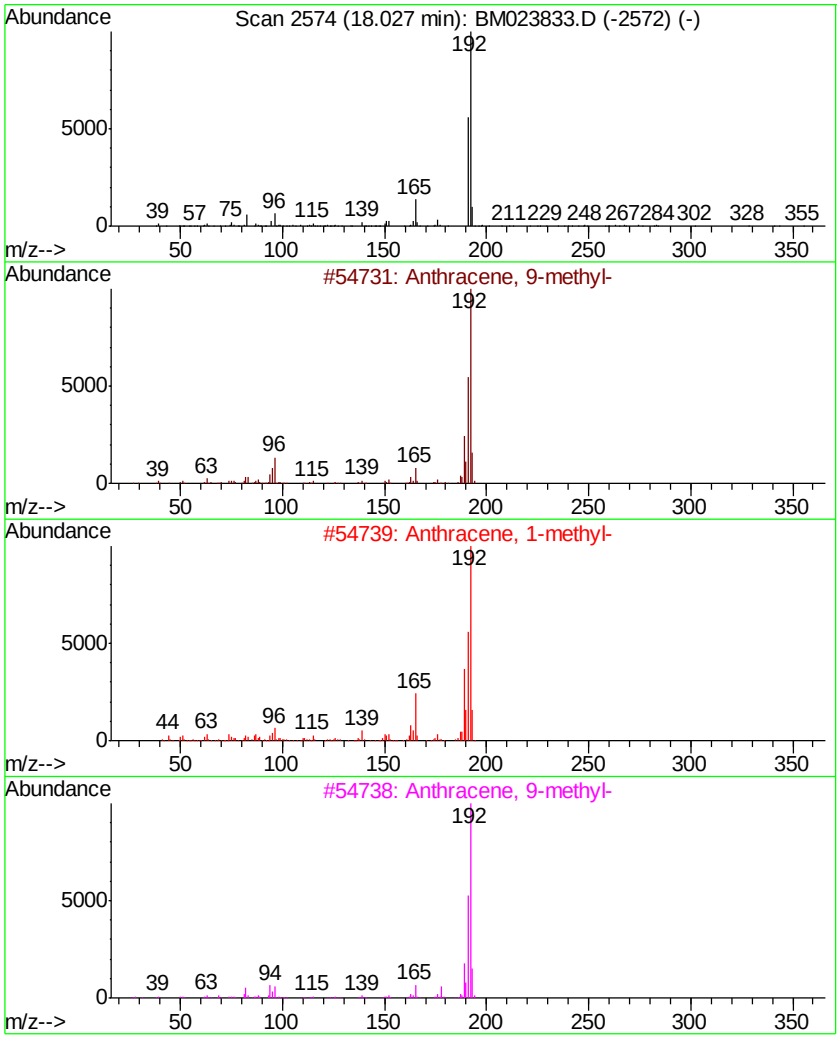
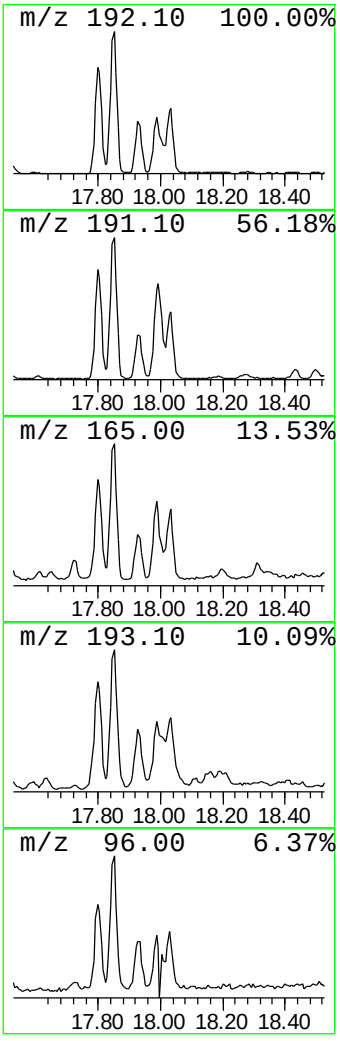
Peak Number 16 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.38 ng/ul	926840	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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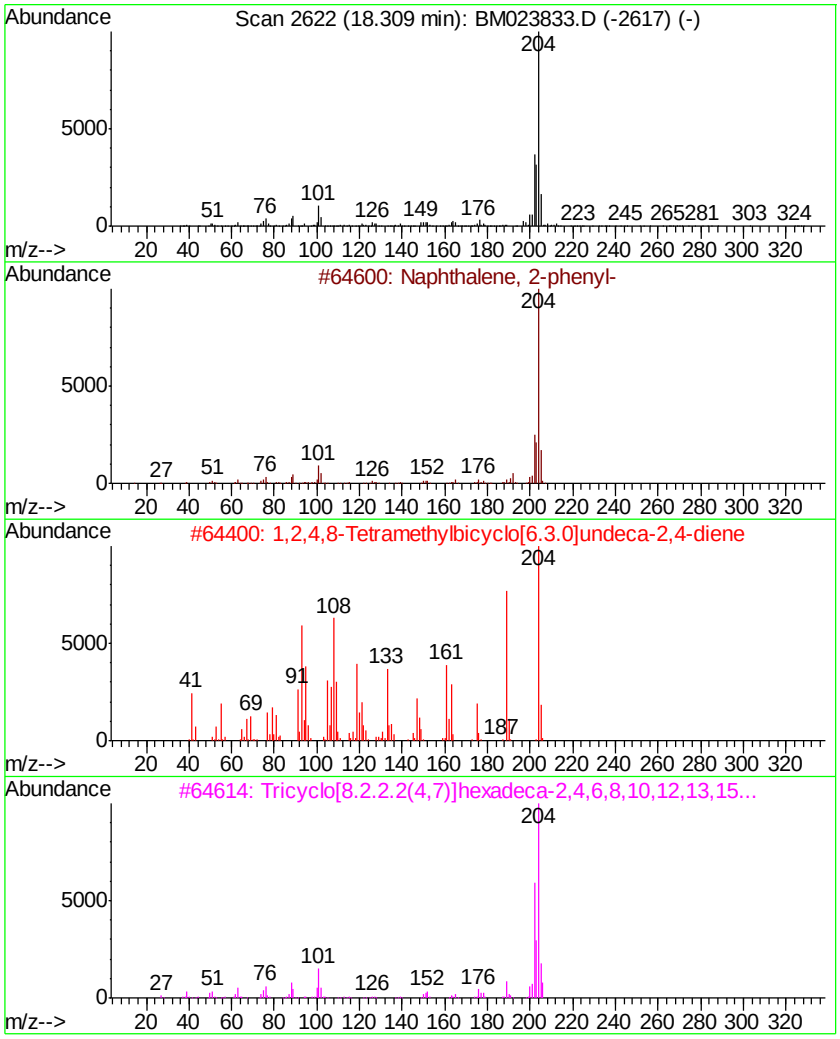
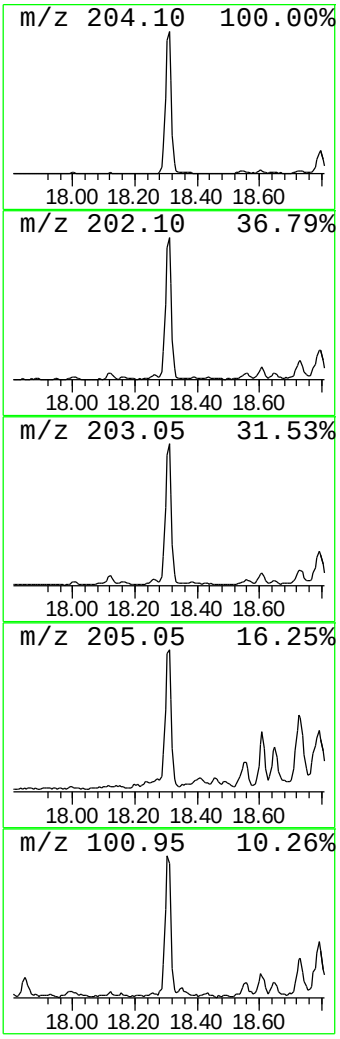
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	6.38 ng/ul	1350330	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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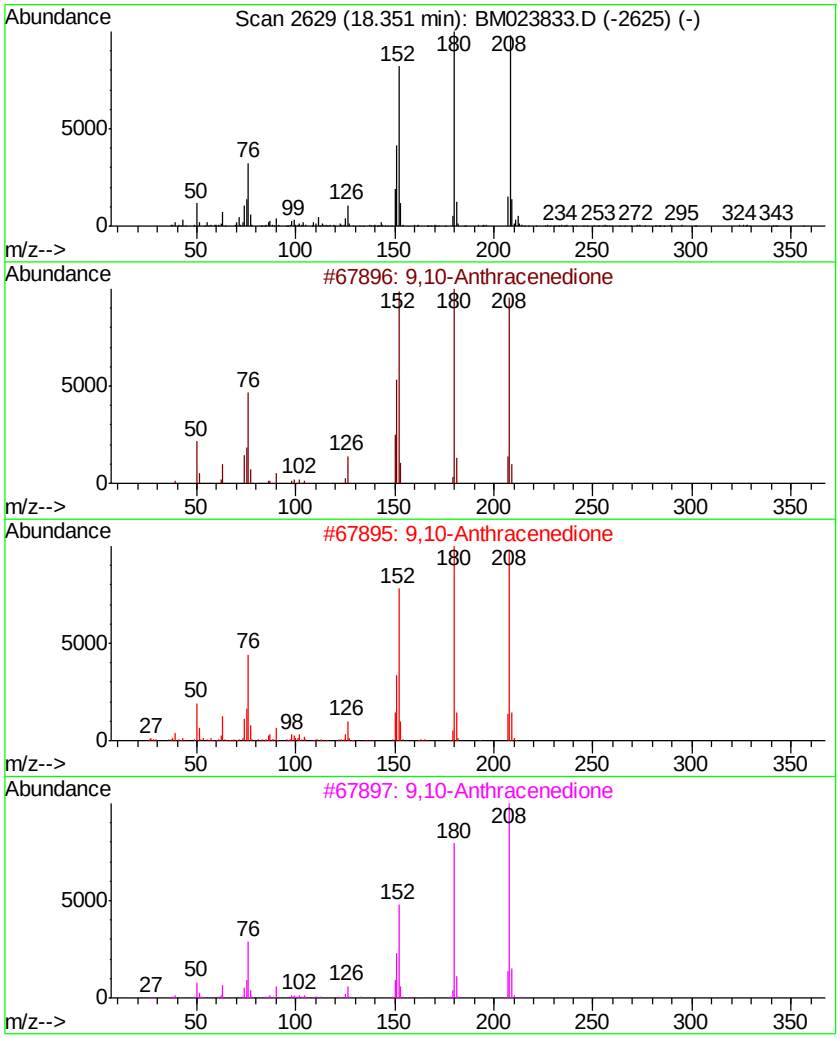
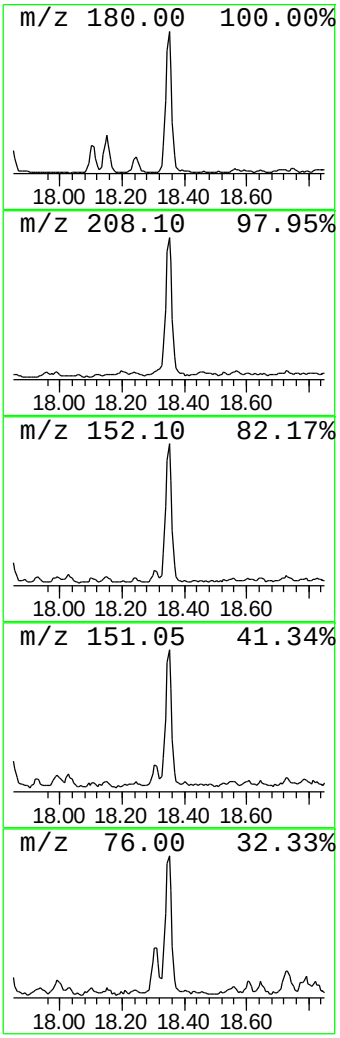
Peak Number 18 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	4.97 ng/ul	1051780	Phenanthrene-d10	16.92

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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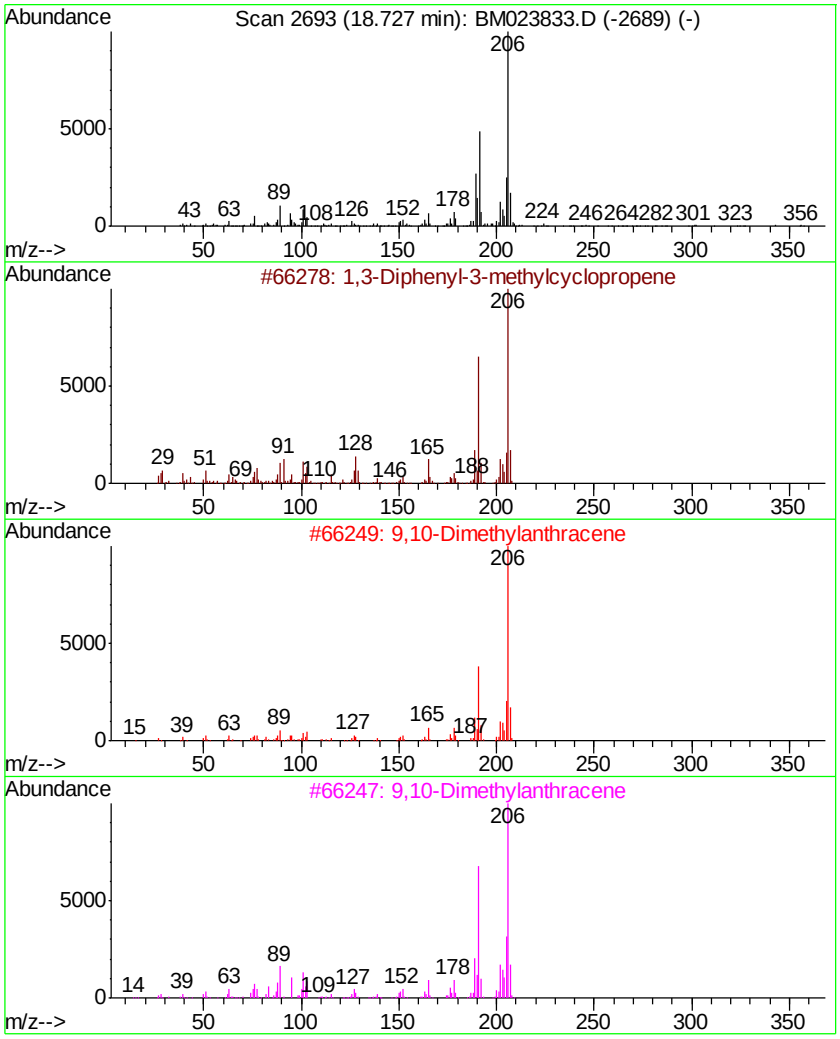
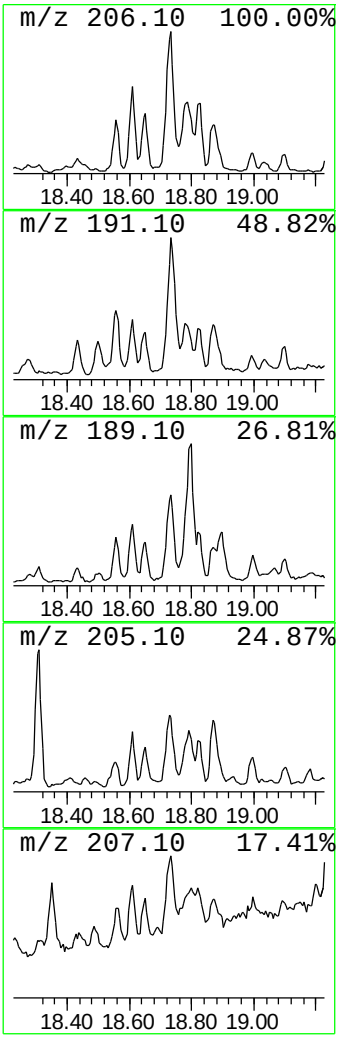
Peak Number 19 1,3-Diphenyl-3-methylcyclop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	4.13 ng/ul	873458	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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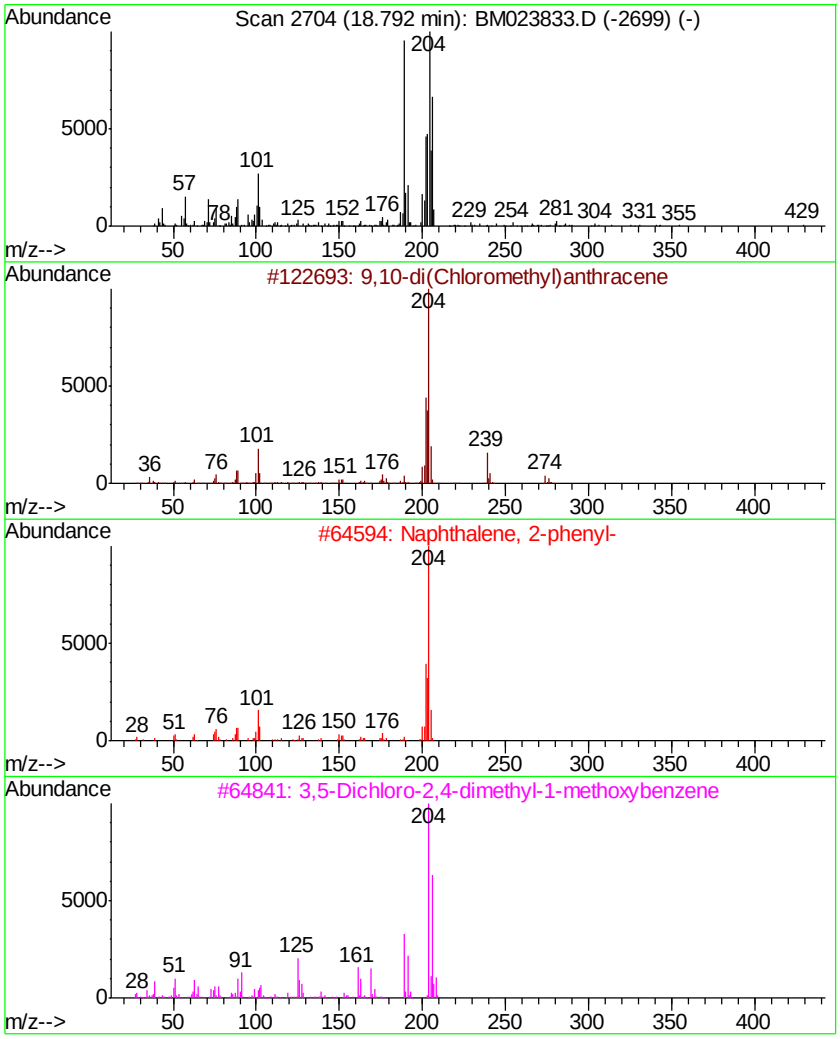
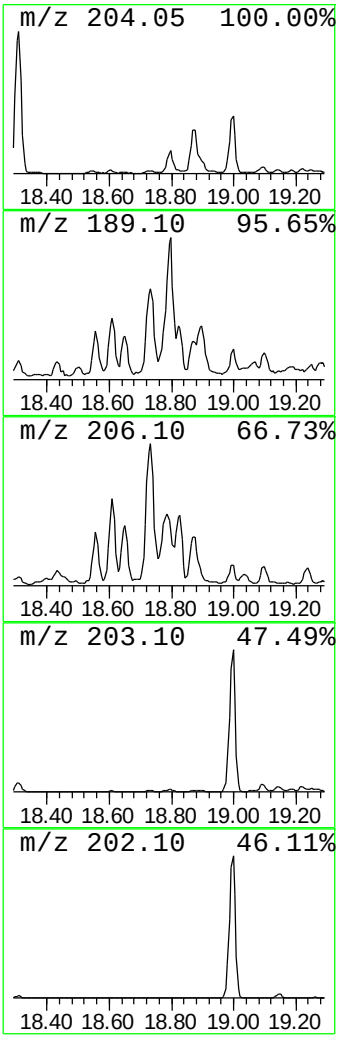
Peak Number 20 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.52 ng/ul	533674	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	27





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

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Quant Title : SVOA CALIBRATION

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

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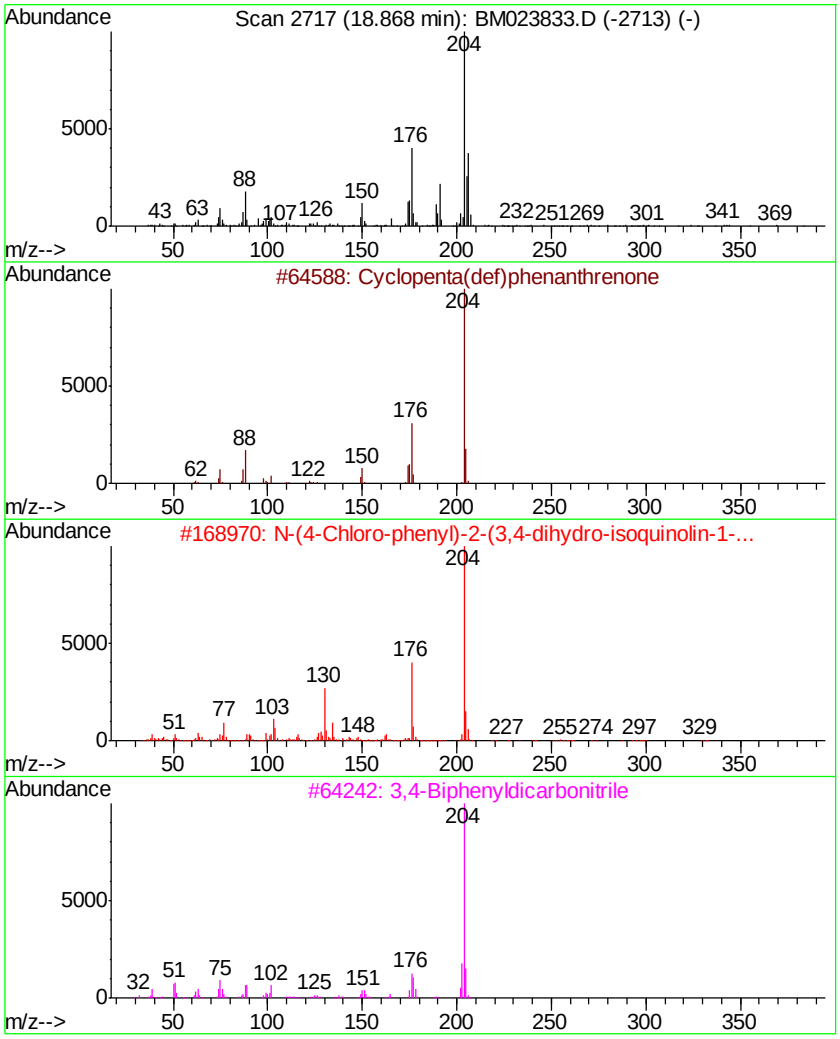
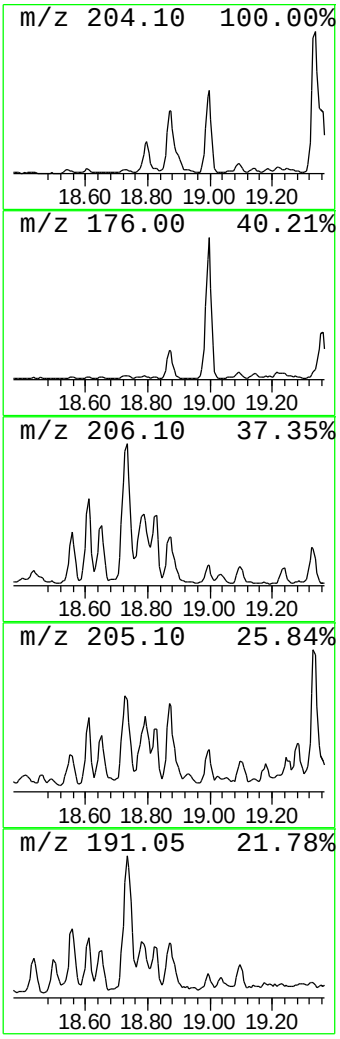
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.70 ng/ul	782452	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	38





Library Search Compound Report

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Operator : JU
Sample : K5851-10
Misc :
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Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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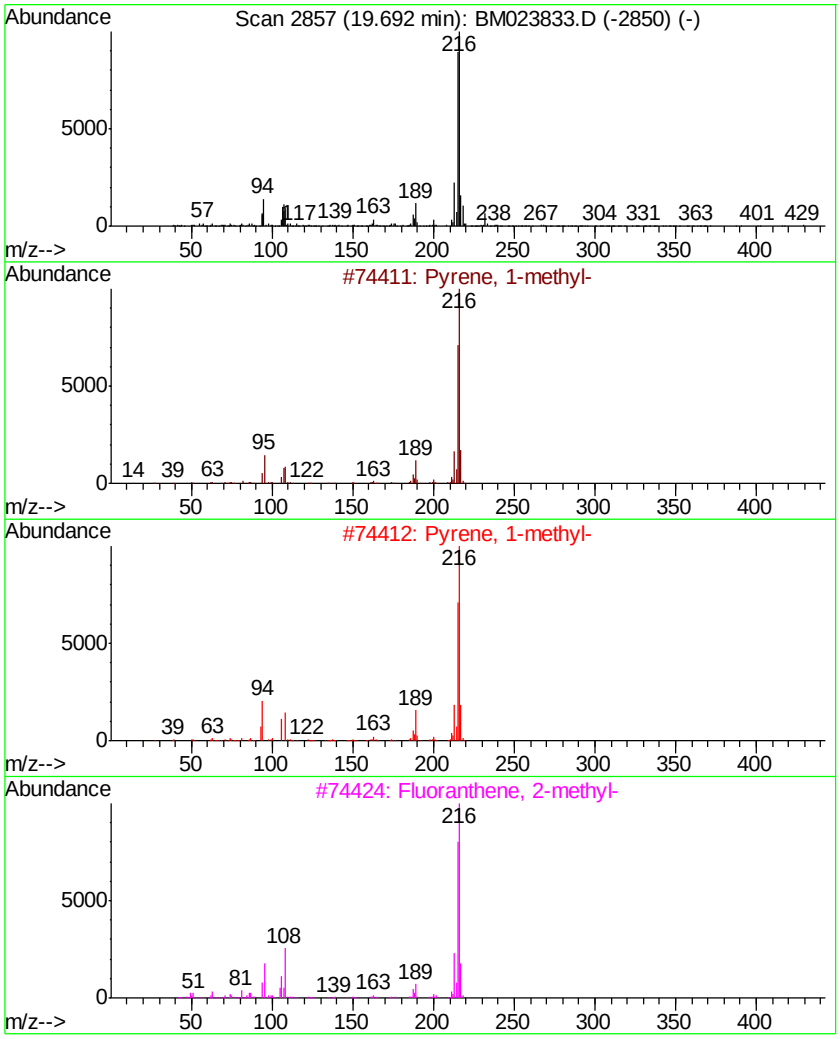
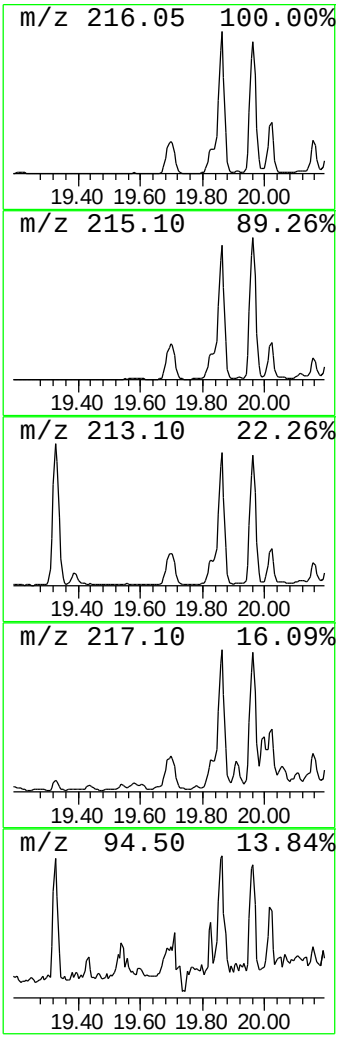
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.33 ng/ul	2045330	Chrysene-d12	21.13

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	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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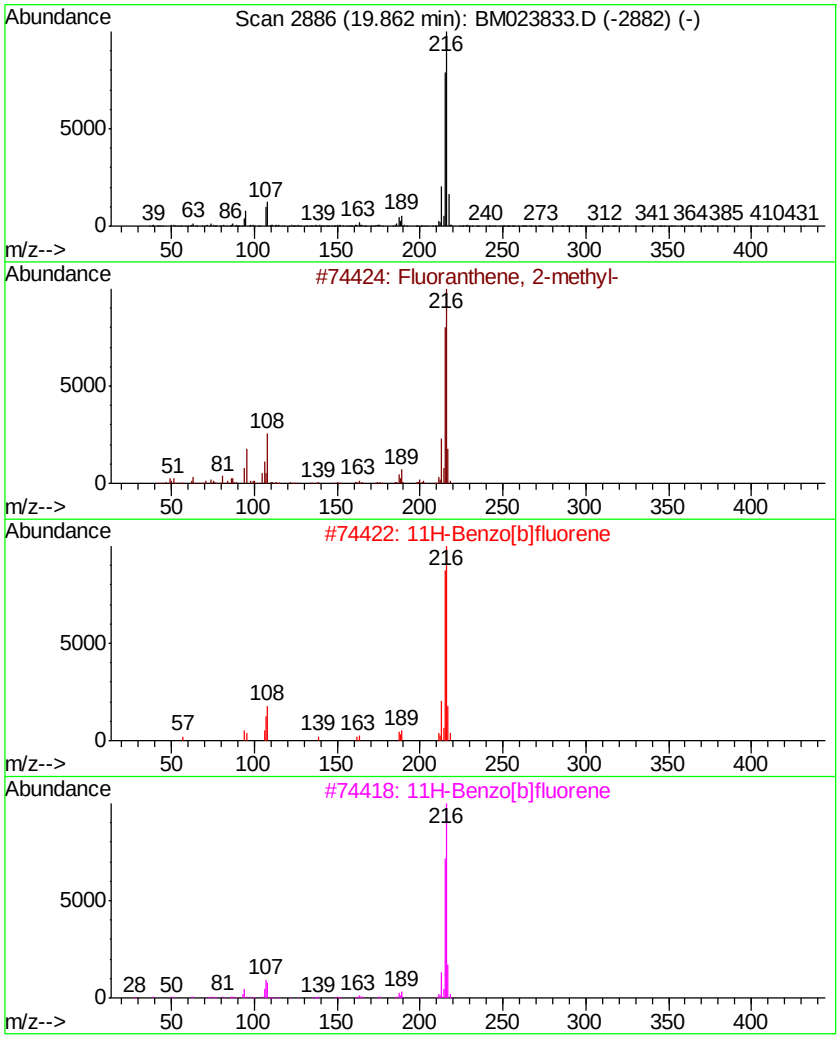
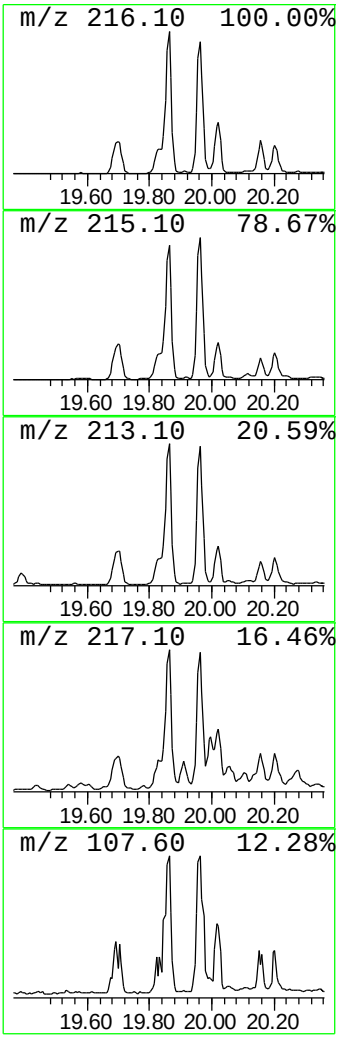
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	4.02 ng/ul	3537020	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : SVOA CALIBRATION

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

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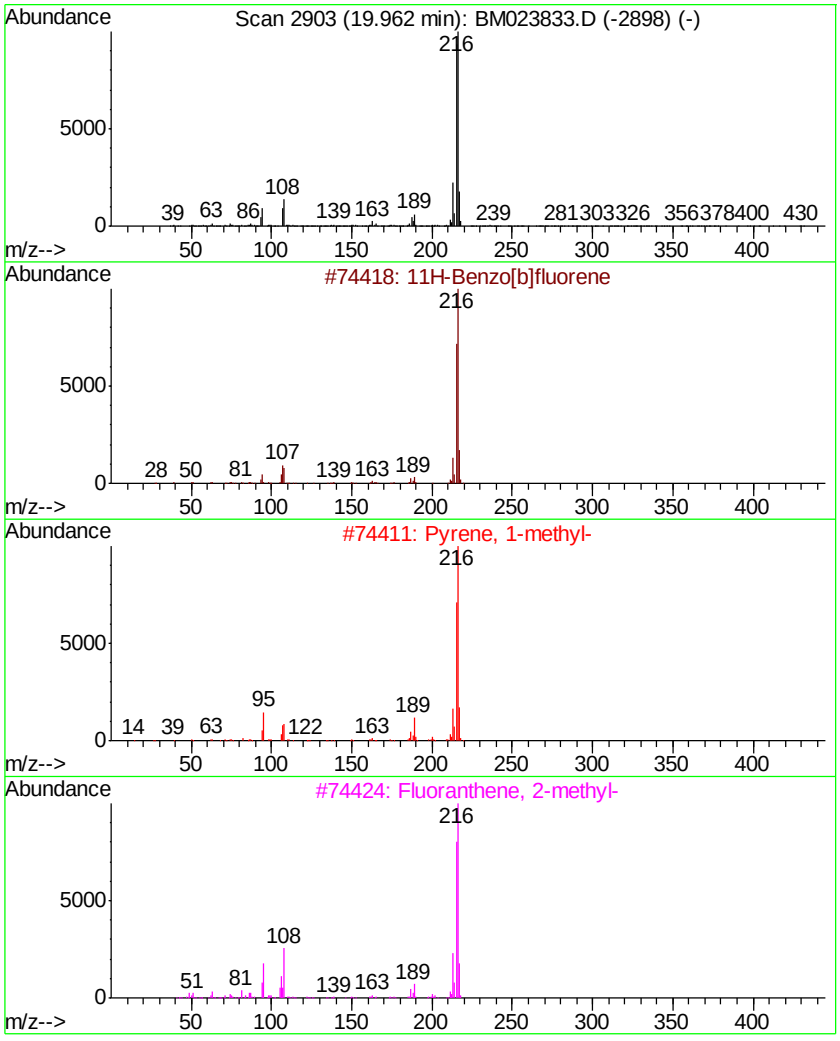
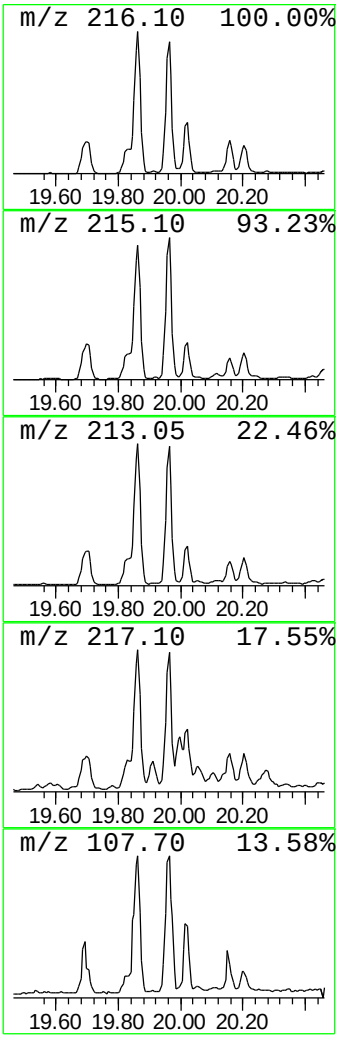
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.97 ng/ul	3493490	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Quant Title : SVOA CALIBRATION

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

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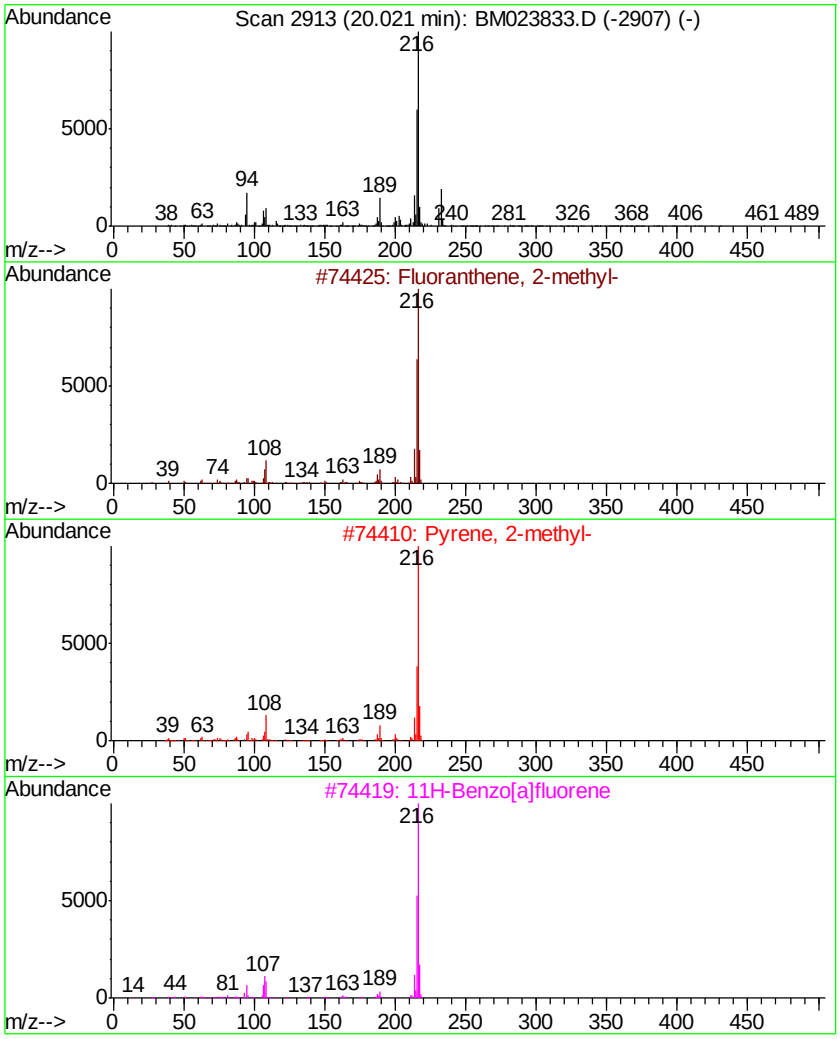
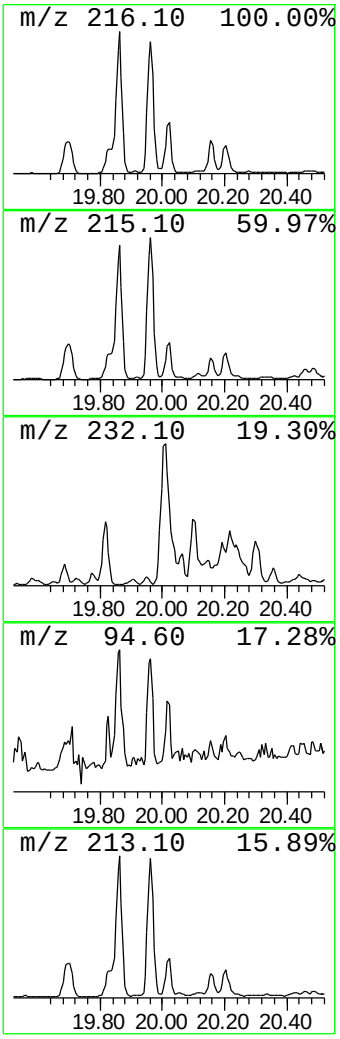
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.05 ng/ul	1799250	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Quant Title : SVOA CALIBRATION

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

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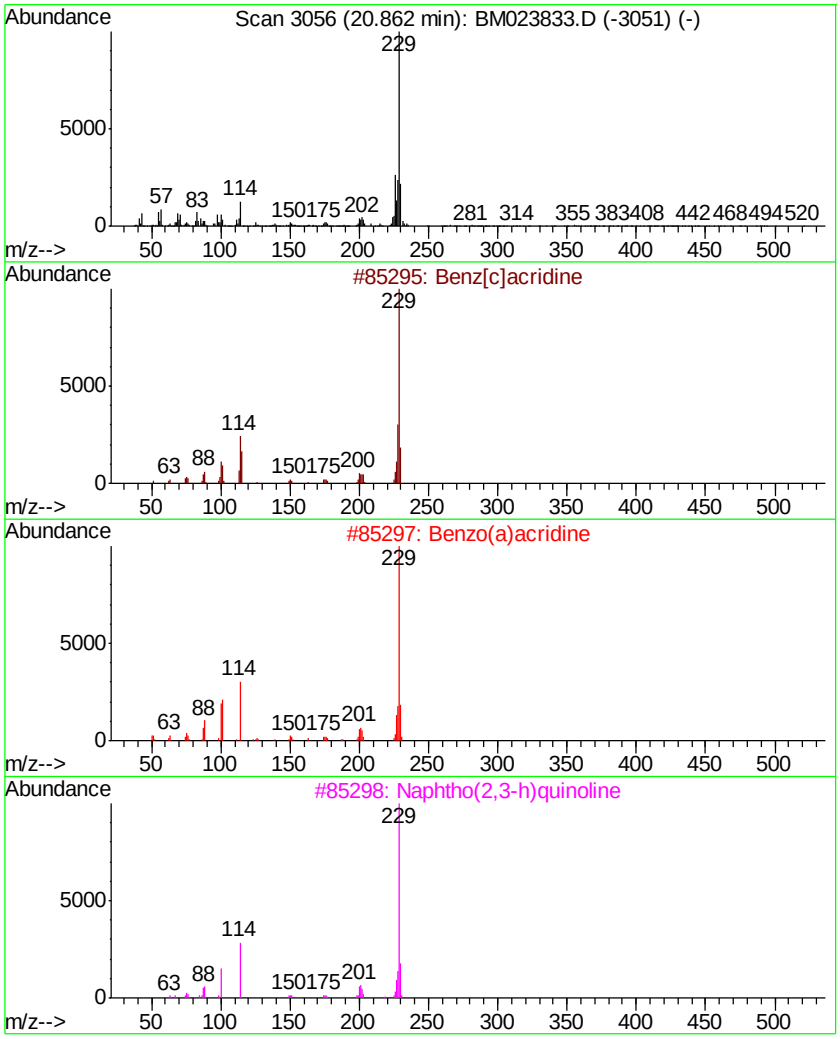
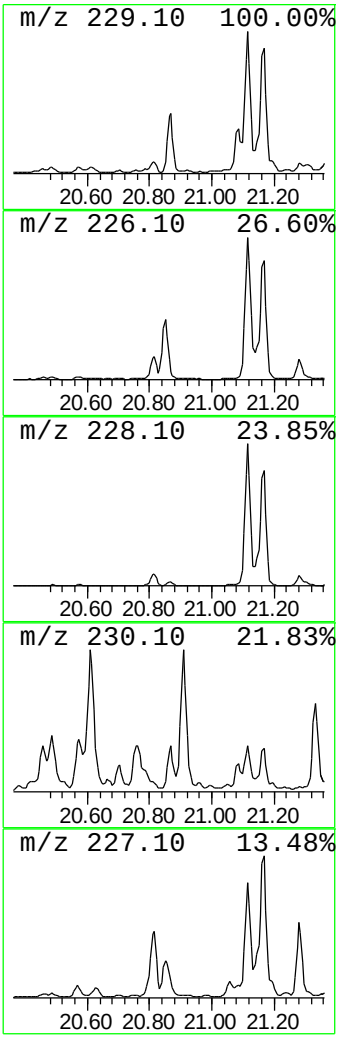
Peak Number 26 Benz[c]acridine Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.43 ng/ul	2133530	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	94
2	Benzo(a)acridine	229	C17H11N	000225-11-6	86
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	76
4	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	74
5	Benzo(a)acridine	229	C17H11N	000225-11-6	59





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Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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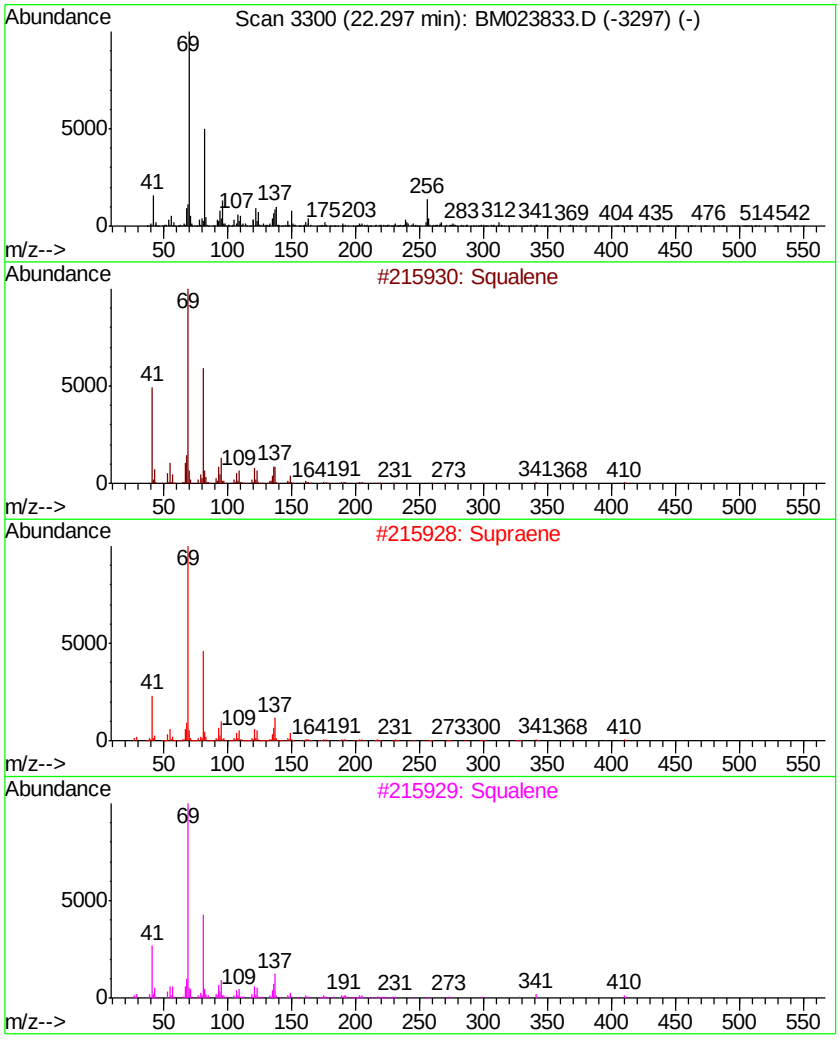
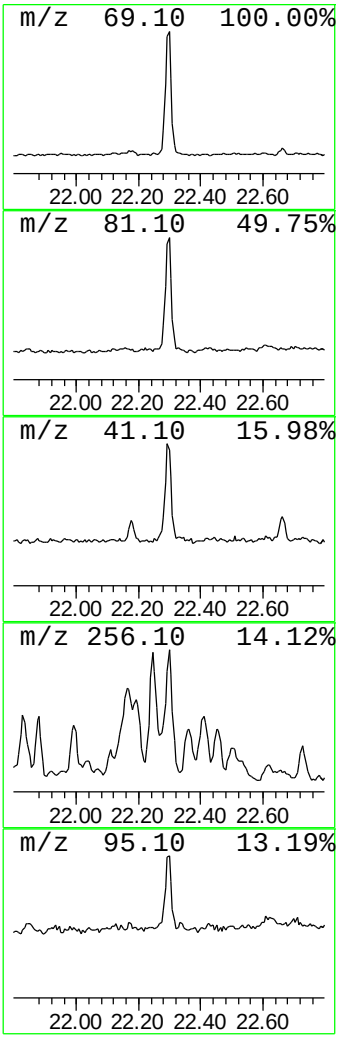
Peak Number 27 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.30	7.86 ng/ul	1756150	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	74
2	Supraene	410	C30H50	007683-64-9	74
3	Squalene	410	C30H50	000111-02-4	72
4	Farnesol isomer a	222	C15H26O	1000108-92-4	64
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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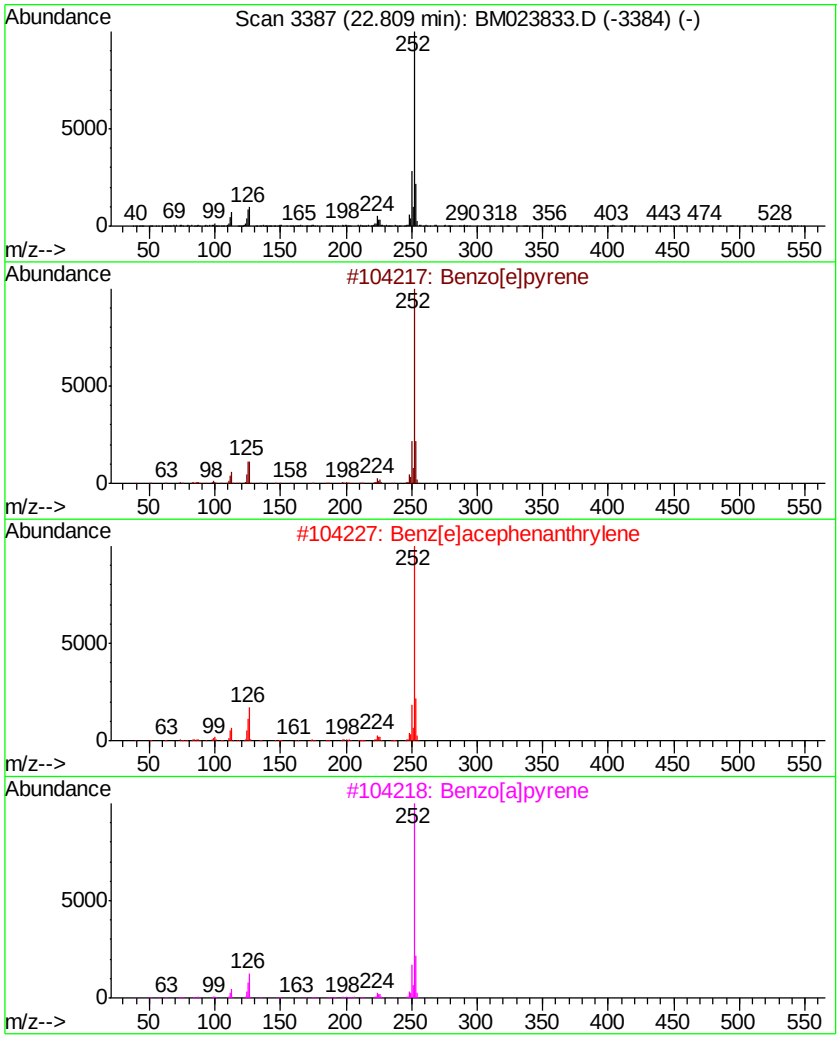
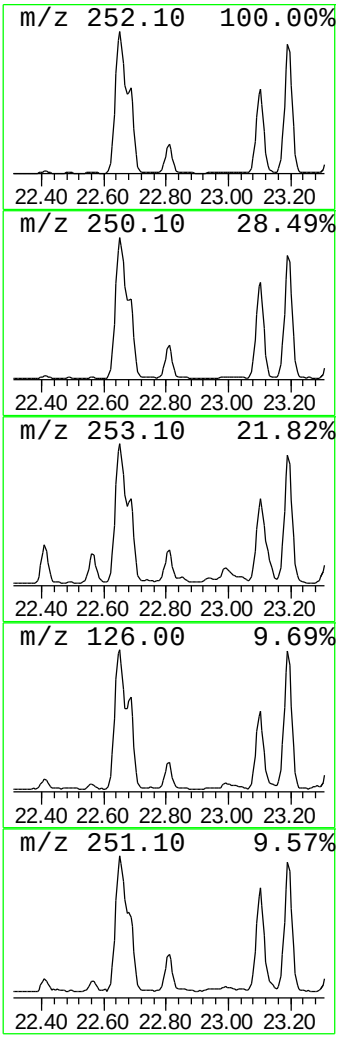
Peak Number 28 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.81	8.74 ng/ul	1952180	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112119\
Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.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
Benzenamine, 2-me...	10.01	27.6	ng/ul	3752800	2	10.29	2722270	20.0
Benzene, 1-isocya...	10.49	17.8	ng/ul	2419470	2	10.29	2722270	20.0
2,2,4-Trimethyl-1...	15.00	12.0	ng/ul	2285350	3	14.17	3795650	20.0
Dibenzofuran, 4-m...	15.53	3.0	ng/ul	576323	3	14.17	3795650	20.0
[1,1'-Biphenyl]-4...	15.67	3.4	ng/ul	723580	4	16.92	4234900	20.0
unknown-01	16.14	22.6	ng/ul	4786290	4	16.92	4234900	20.0
9H-Fluorene, 1-me...	16.23	3.3	ng/ul	705460	4	16.92	4234900	20.0
9H-Fluoren-9-one	16.58	2.2	ng/ul	460750	4	16.92	4234900	20.0
Phenol, 4-(2-phen...	16.66	2.5	ng/ul	526306	4	16.92	4234900	20.0
Dibenzothiophene	16.74	5.9	ng/ul	1246610	4	16.92	4234900	20.0
Benzo[f]quinoline	17.12	2.1	ng/ul	436940	4	16.92	4234900	20.0
Anthracene, 2-met...	17.80	7.7	ng/ul	1630220	4	16.92	4234900	20.0
Phenanthrene, 1-m...	17.84	13.5	ng/ul	2849300	4	16.92	4234900	20.0
Phenanthrene, 2-m...	17.93	3.8	ng/ul	800408	4	16.92	4234900	20.0
4H-Cyclopenta[def...	17.99	19.5	ng/ul	4127810	4	16.92	4234900	20.0
Anthracene, 9-met...	18.03	4.4	ng/ul	926840	4	16.92	4234900	20.0
Naphthalene, 2-ph...	18.31	6.4	ng/ul	1350330	4	16.92	4234900	20.0
9,10-Anthracenedione	18.35	5.0	ng/ul	1051780	4	16.92	4234900	20.0
1,3-Diphenyl-3-me...	18.73	4.1	ng/ul	873458	4	16.92	4234900	20.0
unknown-02	18.79	2.5	ng/ul	533674	4	16.92	4234900	20.0
Cyclopenta(def)ph...	18.87	3.7	ng/ul	782452	4	16.92	4234900	20.0
Pyrene, 1-methyl-	19.69	2.3	ng/ul	2045330	5	21.13	17586800	20.0
Fluoranthene, 2-m...	19.86	4.0	ng/ul	3537020	5	21.13	17586800	20.0
11H-Benzo[b]fluorene	19.96	4.0	ng/ul	3493490	5	21.13	17586800	20.0
Pyrene, 2-methyl-	20.02	2.0	ng/ul	1799250	5	21.13	17586800	20.0
Benz[c]acridine	20.86	2.4	ng/ul	2133530	5	21.13	17586800	20.0
Squalene	22.30	7.9	ng/ul	1756150	6	23.29	4465950	20.0
Benzo[e]pyrene	22.81	8.7	ng/ul	1952180	6	23.29	4465950	20.0