LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025660.D
Acq On : 20 Mar 2020 13:59
Operator : CG/JU
Sample : L1972-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8

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-BM031420MA.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	6.763	652	659	672	rVB	656996	1042534	5.61%	0.447%
2	6.921	680	686	695	rBV	498514	753767	4.05%	0.324%
3	7.116	713	719	731	rVB	714213	1072547	5.77%	0.460%
4	7.580	791	798	806	rVB	688730	1067812	5.74%	0.458%
5	8.286	911	918	925	rBV	839697	1292542	6.95%	0.555%
6	8.721	985	992	1006	rVB	605998	986945	5.31%	0.424%
7	9.433	1107	1113	1121	rBV	489290	786417	4.23%	0.338%
8	9.974	1198	1205	1215	rVB	864260	1417174	7.62%	0.608%
9	10.345	1261	1268	1274	rBV	983448	1592493	8.56%	0.684%
10	10.480	1284	1291	1305	rBV	714842	1223445	6.58%	0.525%
11	13.633	1822	1827	1831	rVV	1425331	1961301	10.55%	0.842%
12	13.674	1831	1834	1840	rVB2	205937	327978	1.76%	0.141%
13	13.903	1867	1873	1876	rBV	1723589	2692854	14.48%	1.156%
14	13.933	1876	1878	1892	rVB	1206537	1527682	8.21%	0.656%
15	14.215	1919	1926	1932	rBV2	1480785	2147470	11.55%	0.922%
16	14.280	1932	1937	1945	rVB	176036	249774	1.34%	0.107%
17	14.421	1954	1961	1971	rBV	600139	918632	4.94%	0.394%
18	15.215	2089	2096	2101	rBV	2276516	3148765	16.93%	1.351%
19	15.268	2101	2105	2112	rVB	196935	300116	1.61%	0.129%
20	15.333	2112	2116	2123	rBV	448586	615538	3.31%	0.264%
21	16.962	2387	2393	2396	rBV	1786651	2503414	13.46%	1.074%
22	17.003	2396	2400	2405	rVV	3318936	4497164	24.18%	1.930%
23	17.062	2405	2410	2413	rVV	2426073	3453587	18.57%	1.482%
24	17.091	2413	2415	2421	rVB	1118771	1391253	7.48%	0.597%
25	17.156	2421	2426	2433	rVB4	160472	282124	1.52%	0.121%
26	17.362	2453	2461	2465	rBV2	220762	394937	2.12%	0.170%
27	17.838	2537	2542	2546	rVV	576231	815264	4.38%	0.350%
28	17.885	2546	2550	2558	rVV	1200752	1636090	8.80%	0.702%
29	17.962	2558	2563	2568	rVV	381762	589583	3.17%	0.253%
30	18.027	2569	2574	2578	rVV2	1021246	1786474	9.61%	0.767%
31	18.068	2578	2581	2586	rVB	494340	653811	3.52%	0.281%
32	18.344	2624	2628	2631	rVV	526940	705636	3.79%	0.303%
33	18.380	2631	2634	2641	rVB2	417802	574730	3.09%	0.247%
34	18.591	2667	2670	2674	rVV	189326	285266	1.53%	0.122%

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Instrument : BNA_M
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Title : SVOA CALIBRATION

35	18.644	2675	2679	2682	rVV	264808	366955	1.97%	0.158%
36	18.680	2682	2685	2689	rVB	202614	283038	1.52%	0.121%
37	18.768	2694	2700	2704	rVV2	690246	1120665	6.03%	0.481%
38	18.827	2704	2710	2713	rVV2	413976	782440	4.21%	0.336%
39	18.856	2713	2715	2719	rVV	278813	355352	1.91%	0.153%
40	18.903	2719	2723	2731	rVV3	562534	990809	5.33%	0.425%
41	19.032	2738	2745	2750	rVV	10314265	13715000	73.74%	5.887%
42	19.103	2753	2757	2759	rVV	207228	319129	1.72%	0.137%
43	19.127	2759	2761	2765	rVV4	207061	306167	1.65%	0.131%
44	19.174	2765	2769	2774	rVV	1161143	1587745	8.54%	0.681%
45	19.232	2774	2779	2781	rVV3	195770	353228	1.90%	0.152%
46	19.268	2782	2785	2787	rVV	321490	447664	2.41%	0.192%
47	19.297	2787	2790	2795	rVV	327416	538916	2.90%	0.231%
48	19.362	2795	2801	2803	rVV	4215742	6113866	32.87%	2.624%
49	19.391	2803	2806	2814	rVV	9771715	13018853	70.00%	5.588%
50	19.468	2814	2819	2826	rVB2	398167	844519	4.54%	0.362%
51	19.574	2832	2837	2842	rBV	583058	768813	4.13%	0.330%
52	19.627	2843	2846	2854	rVB2	424100	711791	3.83%	0.306%
53	19.721	2856	2862	2868	rBV3	891356	2055517	11.05%	0.882%
54	19.856	2880	2885	2887	rVV3	865510	1375554	7.40%	0.590%
55	19.891	2887	2891	2896	rVB	1950287	2632989	14.16%	1.130%
56	19.991	2904	2908	2912	rVV	1173391	1407422	7.57%	0.604%
57	20.050	2912	2918	2922	rVV2	1332658	1996910	10.74%	0.857%
58	20.144	2928	2934	2938	rBV3	300737	635996	3.42%	0.273%
59	20.185	2938	2941	2945	rVV	827261	1032382	5.55%	0.443%
60	20.232	2945	2949	2954	rVV	730379	1040375	5.59%	0.447%
61	20.450	2982	2986	2988	rBV4	305064	442879	2.38%	0.190%
62	20.485	2989	2992	2995	rVV3	435648	739555	3.98%	0.317%
63	20.515	2995	2997	3001	rVV	389454	478746	2.57%	0.205%
64	20.603	3008	3012	3014	rVV3	303862	509975	2.74%	0.219%
65	20.638	3014	3018	3026	rVB	1143064	1759149	9.46%	0.755%
66	20.803	3040	3046	3050	rBV3	1111705	1928483	10.37%	0.828%
67	20.844	3050	3053	3056	rVV	1220940	1412893	7.60%	0.606%
68	20.897	3056	3062	3065	rVV3	1549225	3066791	16.49%	1.316%
69	20.932	3065	3068	3078	rVB2	1098050	1629975	8.76%	0.700%
70	21.044	3084	3087	3094	rBV3	255633	482027	2.59%	0.207%
71	21.109	3095	3098	3099	rBV	364418	388007	2.09%	0.167%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : B0AG8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Title : SVOA CALIBRATION

72	21.150	3099	3105	3110	rVV2	10004034	17234785	92.66%	7.397%
73	21.197	3110	3113	3120	rVB	7316761	9624433	51.75%	4.131%
74	21.315	3129	3133	3137	rBV2	748529	1076455	5.79%	0.462%
75	21.356	3137	3140	3147	rVB2	831841	1153103	6.20%	0.495%
76	21.462	3154	3158	3164	rBV3	909159	1571318	8.45%	0.674%
77	21.515	3164	3167	3170	rVV3	372527	478167	2.57%	0.205%
78	21.644	3186	3189	3192	rBV	415457	505172	2.72%	0.217%
79	21.703	3192	3199	3203	rVV	1872460	3061447	16.46%	1.314%
80	21.750	3203	3207	3214	rVB3	951314	1543748	8.30%	0.663%
81	21.844	3221	3223	3227	rVB	645100	705931	3.80%	0.303%
82	21.891	3227	3231	3233	rVV	992597	1274914	6.85%	0.547%
83	21.921	3233	3236	3241	rVB4	1052565	1442505	7.76%	0.619%
84	21.985	3243	3247	3256	rVB3	585952	1093058	5.88%	0.469%
85	22.438	3318	3324	3335	rVB3	714237	1809425	9.73%	0.777%
86	22.691	3359	3367	3371	rBV	7712000	18599075	100.00%	7.983%
87	22.844	3388	3393	3399	rVB	1922073	3084441	16.58%	1.324%
88	22.968	3410	3414	3417	rBV2	522668	923940	4.97%	0.397%
89	23.138	3437	3443	3448	rBV	4162753	7940752	42.69%	3.408%
90	23.185	3448	3451	3454	rVV	2180111	3406873	18.32%	1.462%
91	23.232	3454	3459	3466	rVB	7670757	13509913	72.64%	5.799%
92	23.320	3468	3474	3478	rVV	1755757	3338805	17.95%	1.433%
93	23.367	3478	3482	3489	rVB2	1994546	3835254	20.62%	1.646%
94	23.938	3574	3579	3587	rVB3	526450	1159102	6.23%	0.497%
95	24.138	3609	3613	3620	rVB2	512331	944038	5.08%	0.405%
96	25.461	3829	3838	3846	rVB	3807809	10257166	55.15%	4.402%
97	25.691	3872	3877	3885	rVB	677343	1604916	8.63%	0.689%
98	25.785	3887	3893	3900	rBV2	477798	1417995	7.62%	0.609%
99	26.108	3938	3948	3963	rBV	2086677	6298836	33.87%	2.704%
100	26.438	4000	4004	4021	rVB2	570367	1754824	9.44%	0.753%

Sum of corrected areas: 232986085

LSC Report - Integrated Chromatogram

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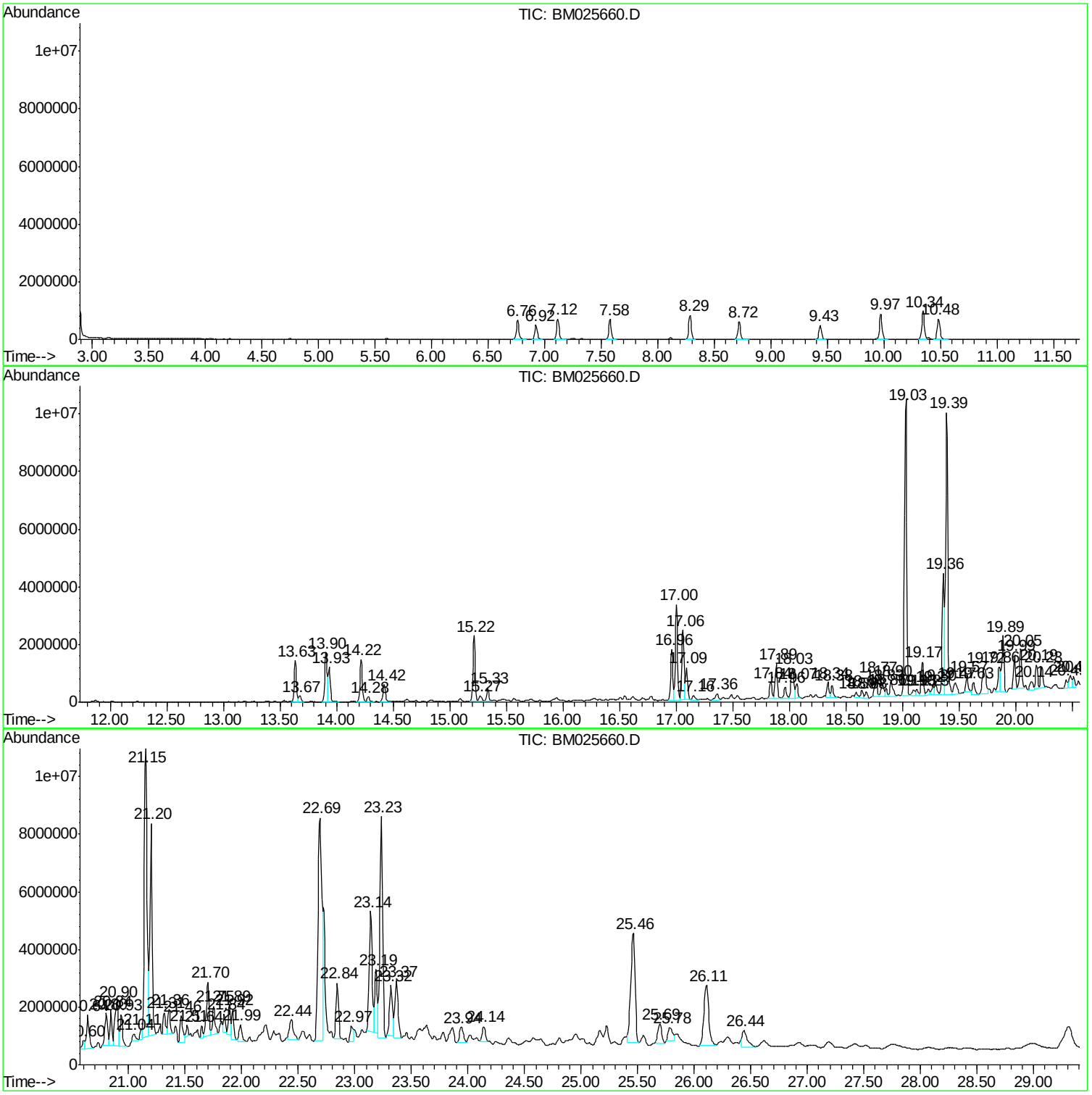
Instrument : BNA_M
ClientSampleId : B0AG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.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\BM032020\
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Quant Title : SVOA CALIBRATION

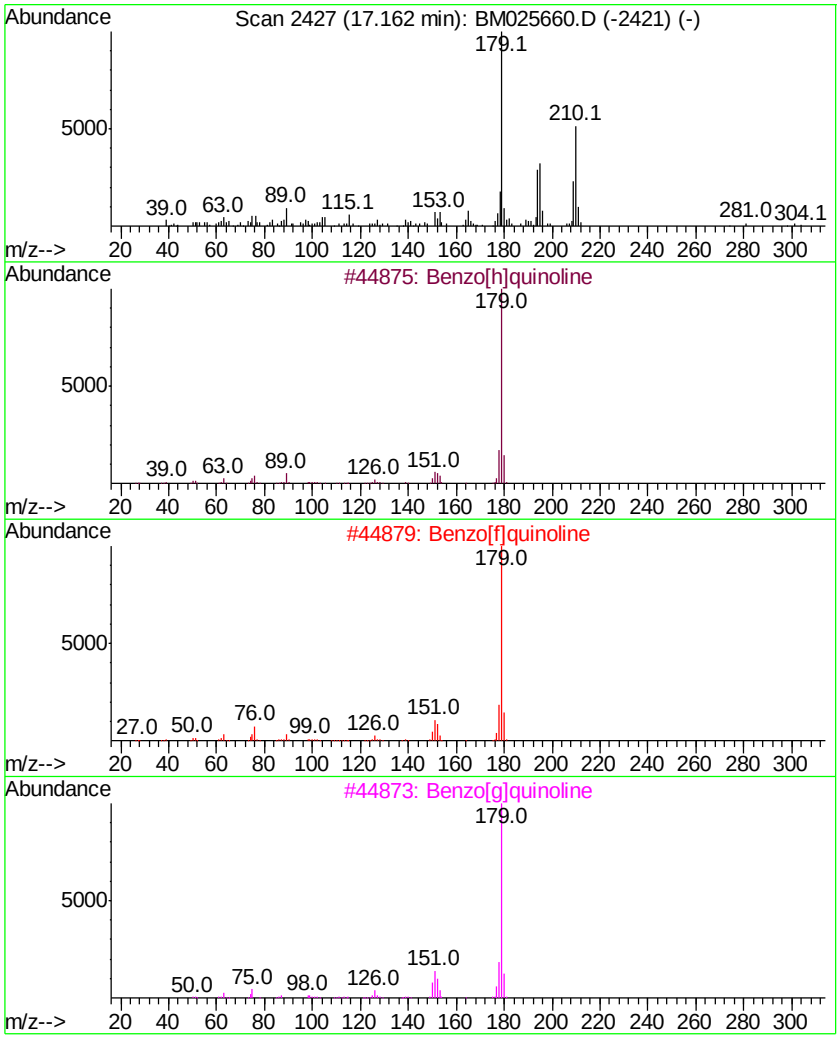
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

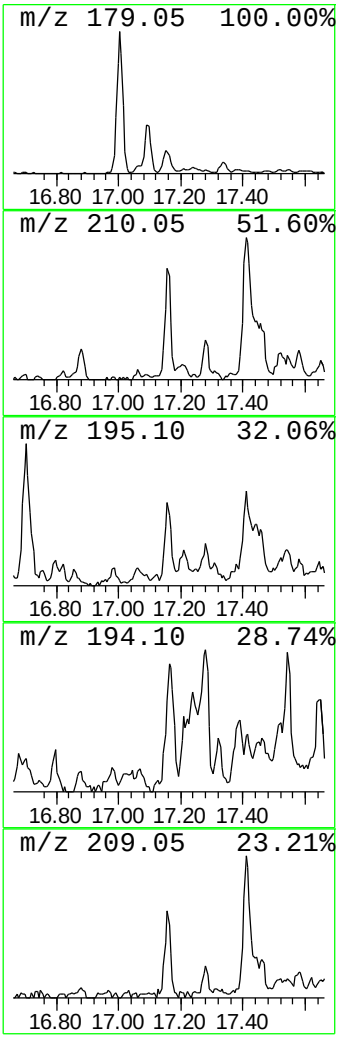
****

Peak Number 1 Benzo[h]quinoline Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	2.25 ng/ul	282124	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	87
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	55
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	55
4	Acridine	179	C13H9N	000260-94-6	55
5	Acridine	179	C13H9N	000260-94-6	55





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

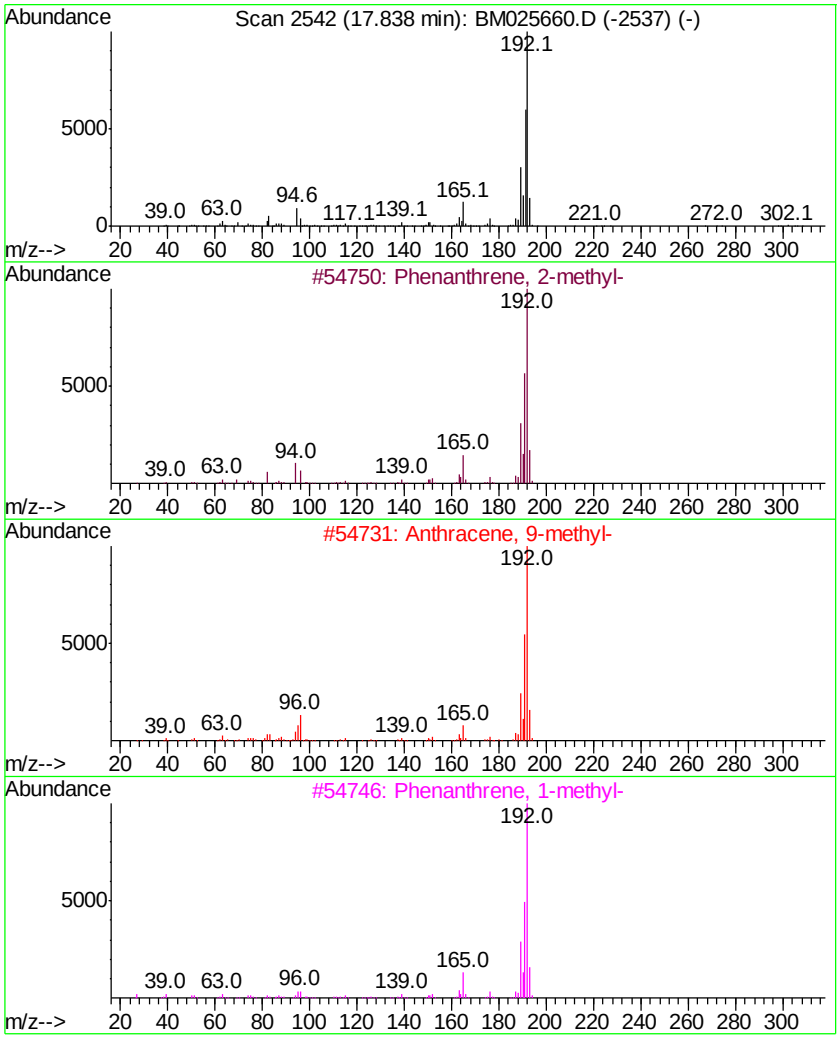
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

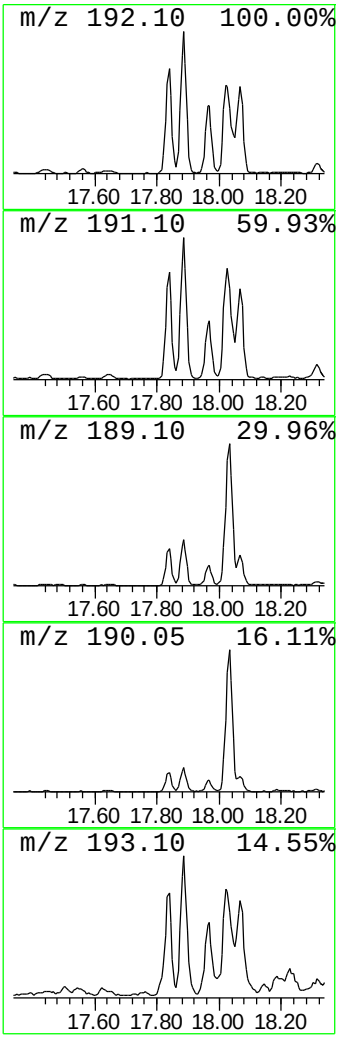
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	6.51 ng/ul	815264	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Quant Title : SVOA CALIBRATION

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

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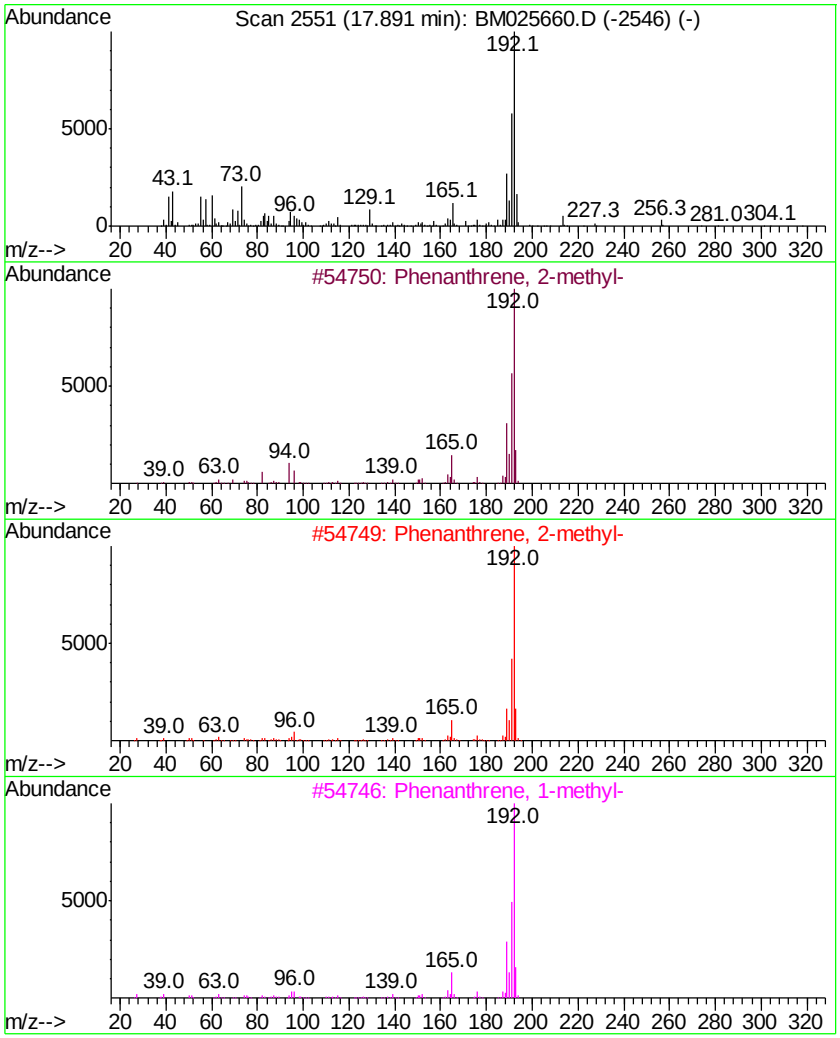
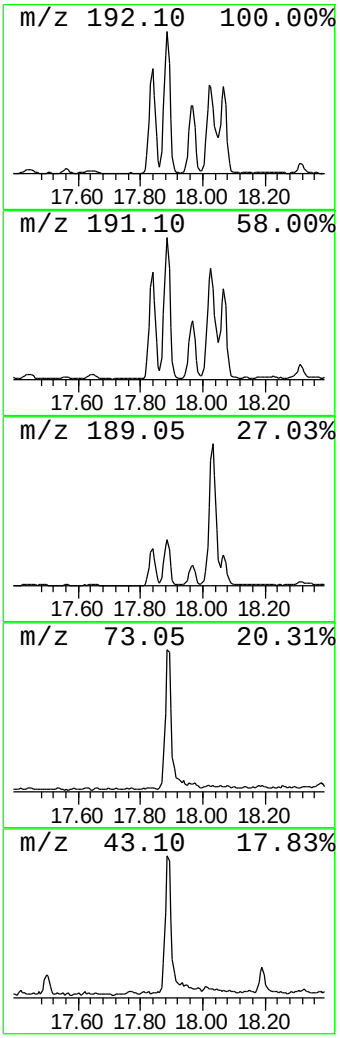
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	13.07 ng/ul	1636090	Phenanthrene-d10	16.96

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	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Instrument : BNA_M
ClientSampleId : B0AG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

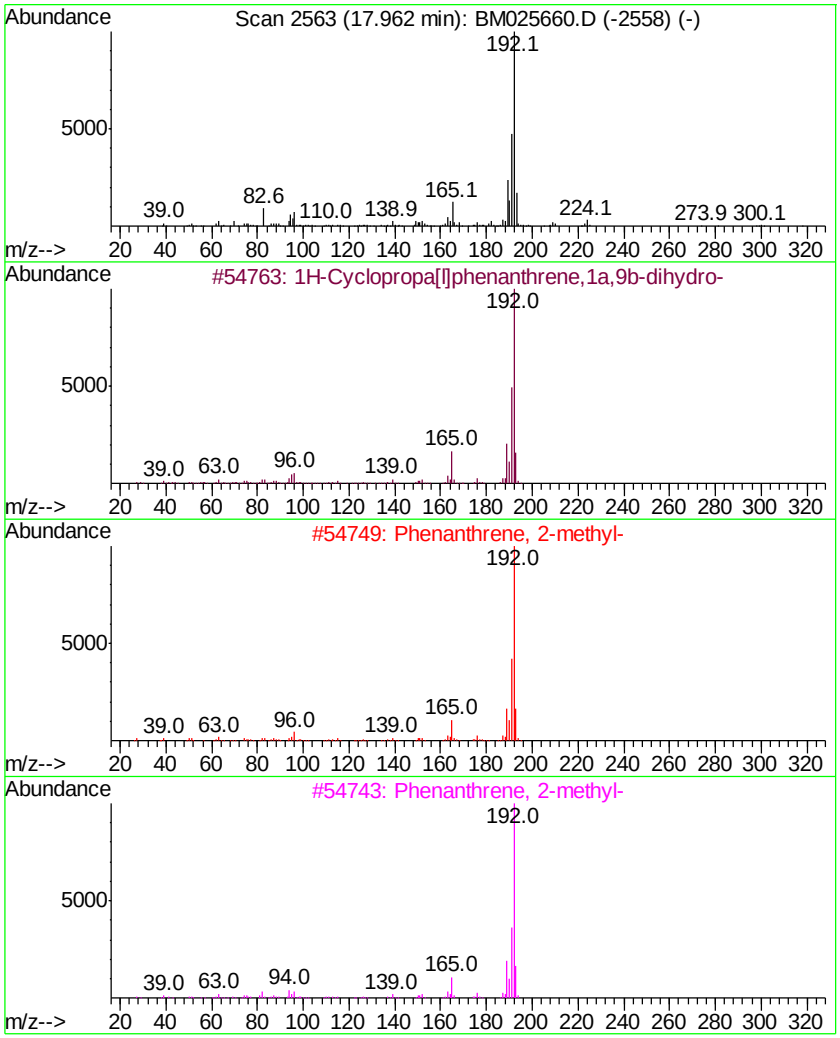
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

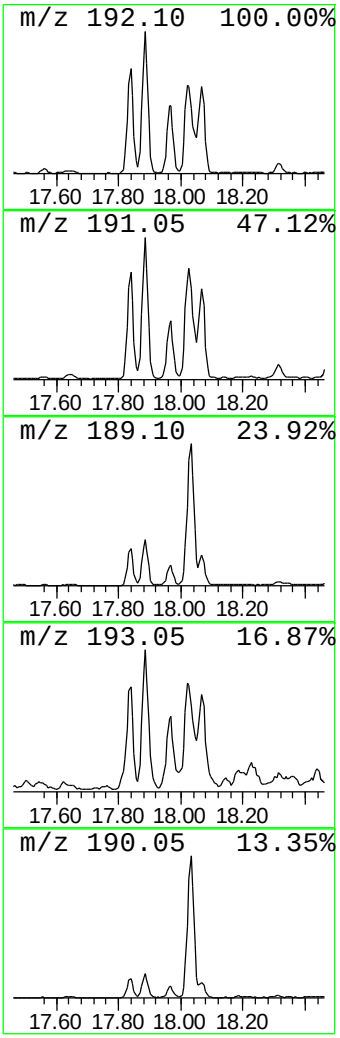
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	4.71 ng/ul	589583	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Instrument : BNA_M
ClientSampleId : B0AG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

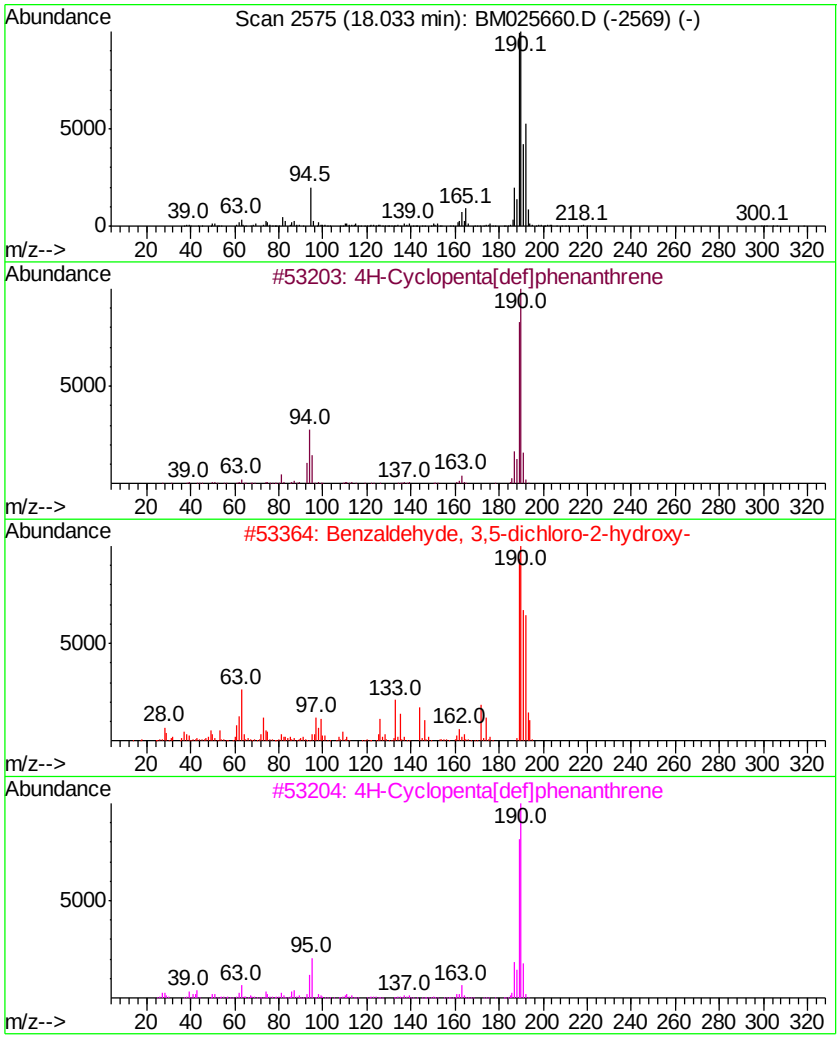
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

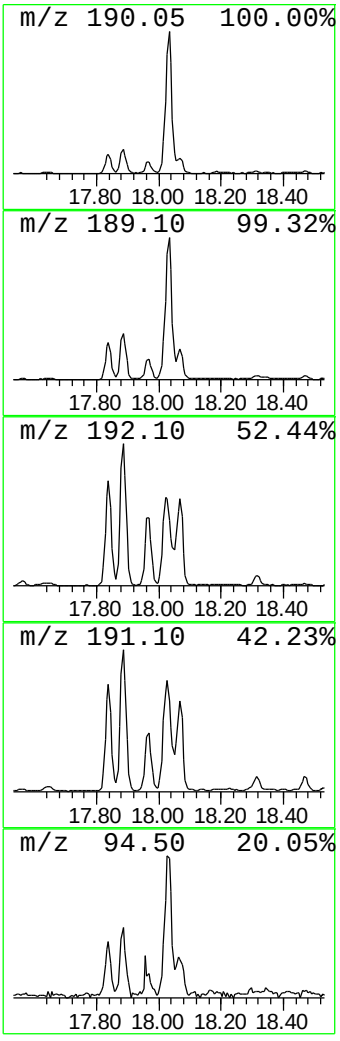
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	14.27 ng/ul	1786470	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Operator : CG/JU
Sample : L1972-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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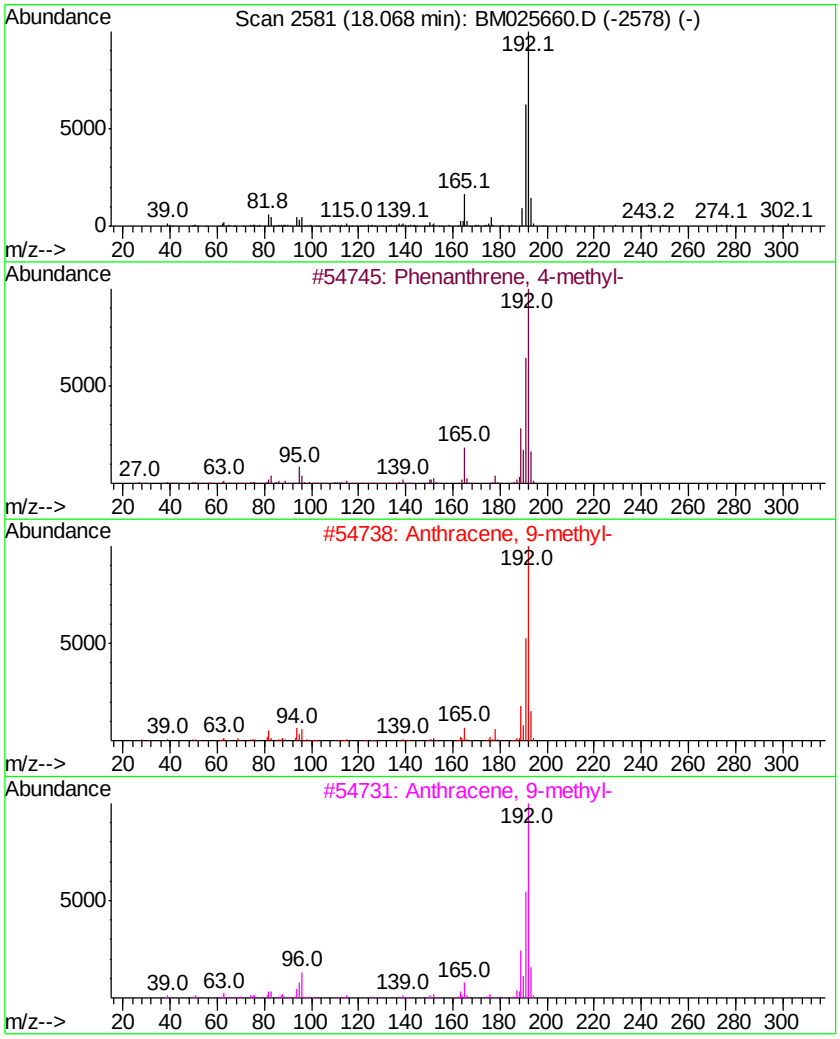
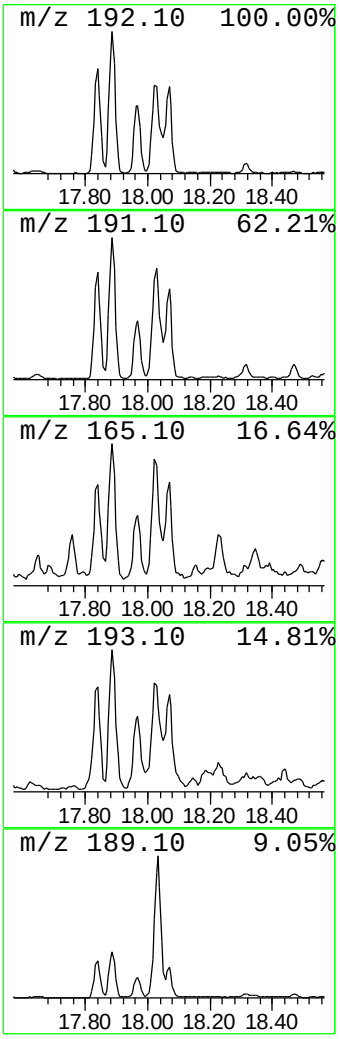
Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	5.22 ng/ul	653811	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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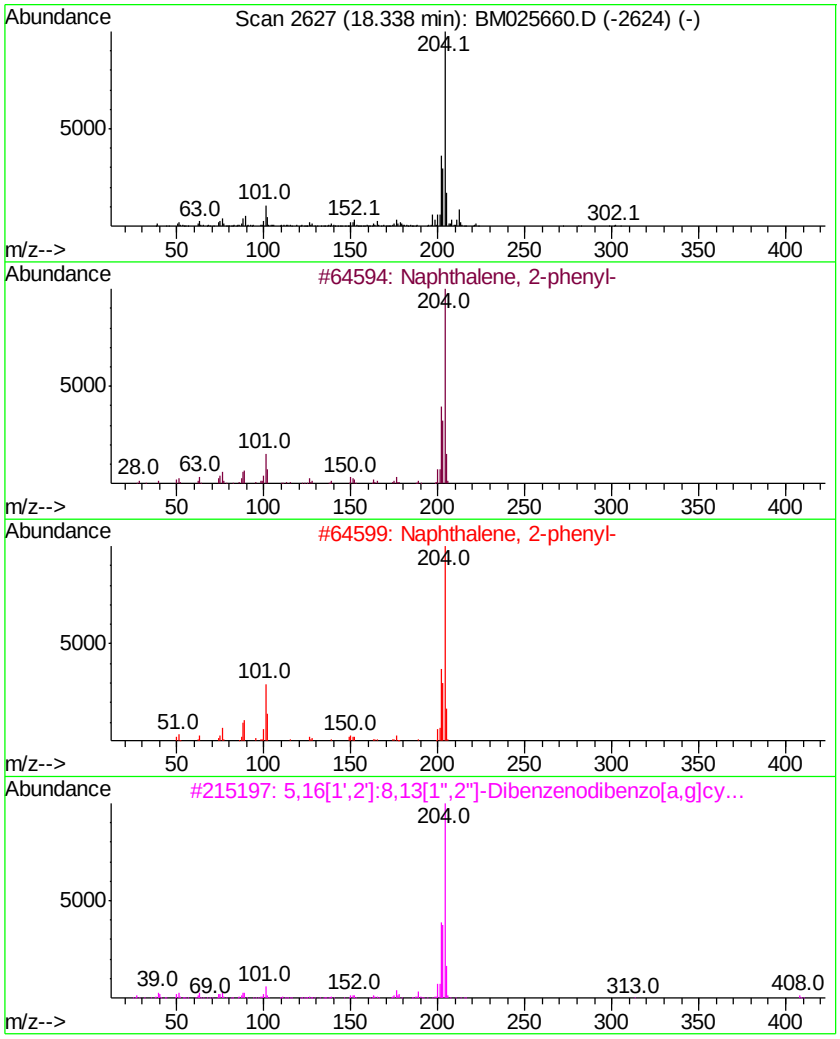
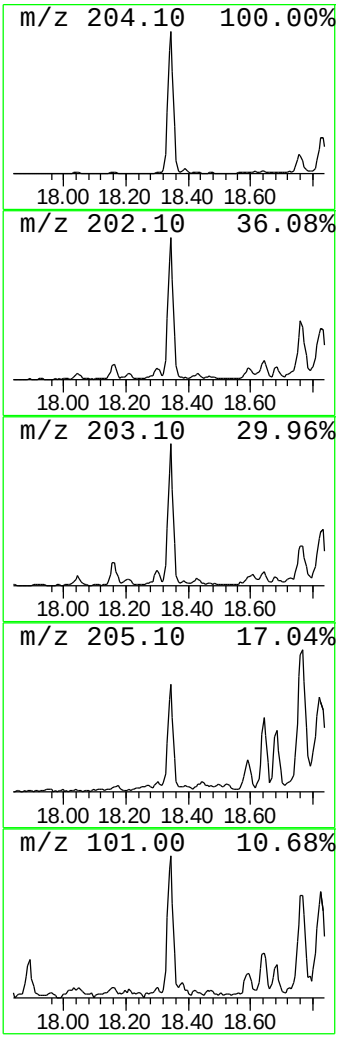
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	5.64 ng/ul	705636	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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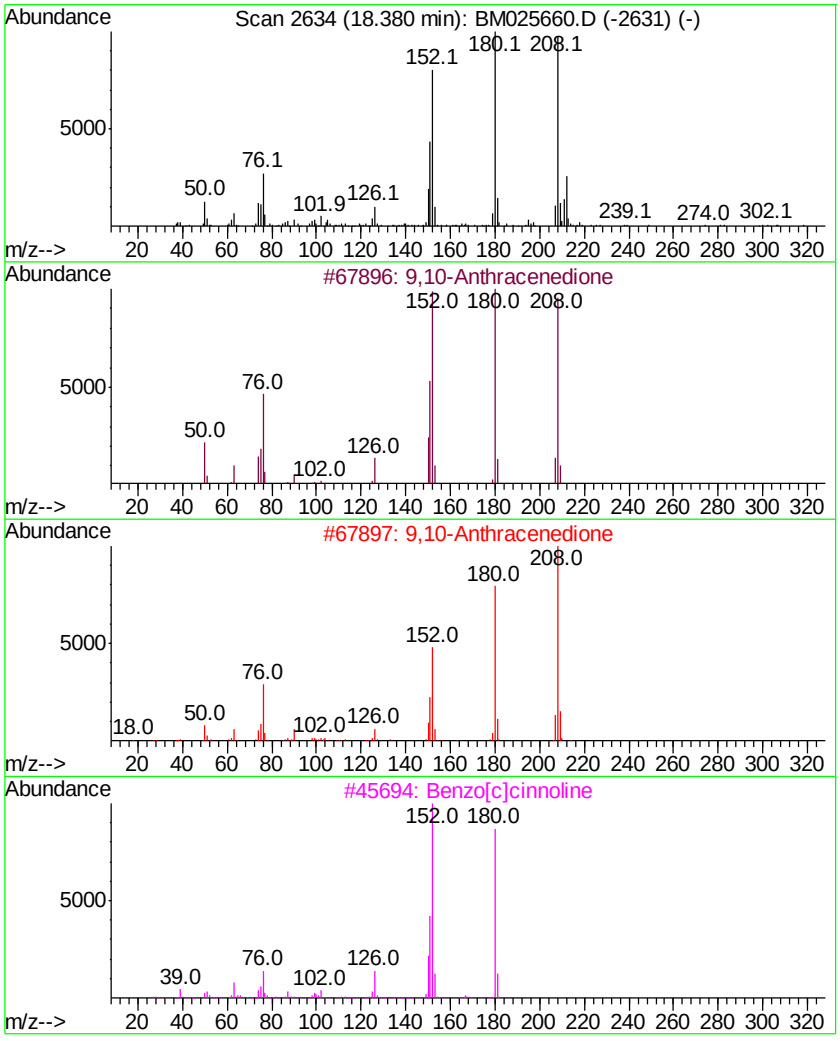
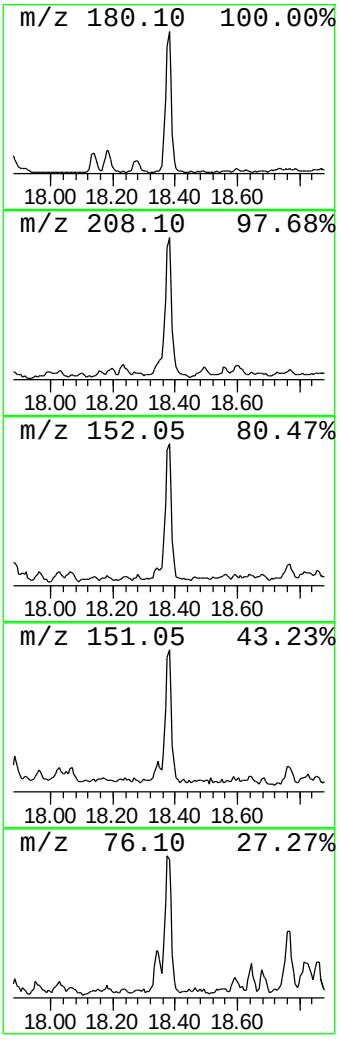
Peak Number 8 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.59 ng/ul	574730	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





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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 Phenanthrene, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.28 ng/ul	285266	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
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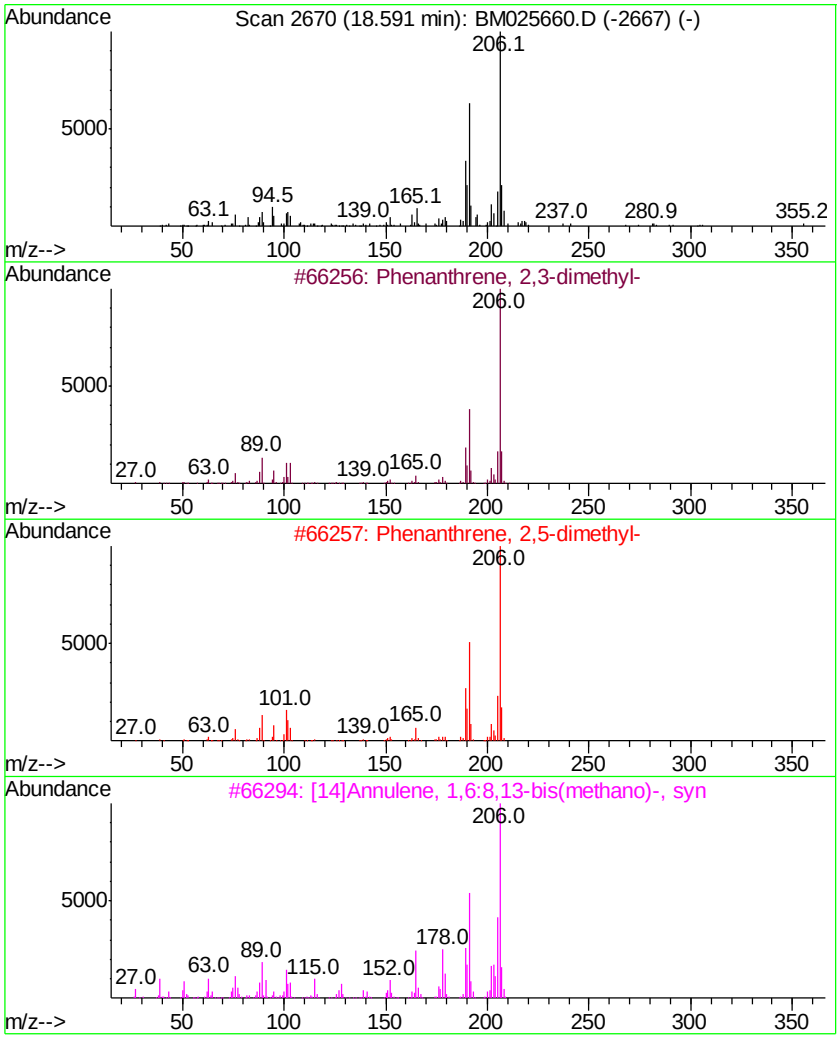

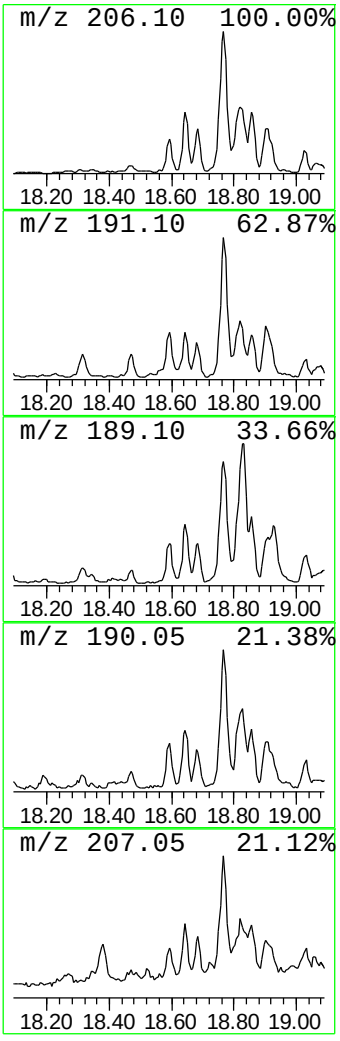

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Quant Title : SVOA CALIBRATION

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

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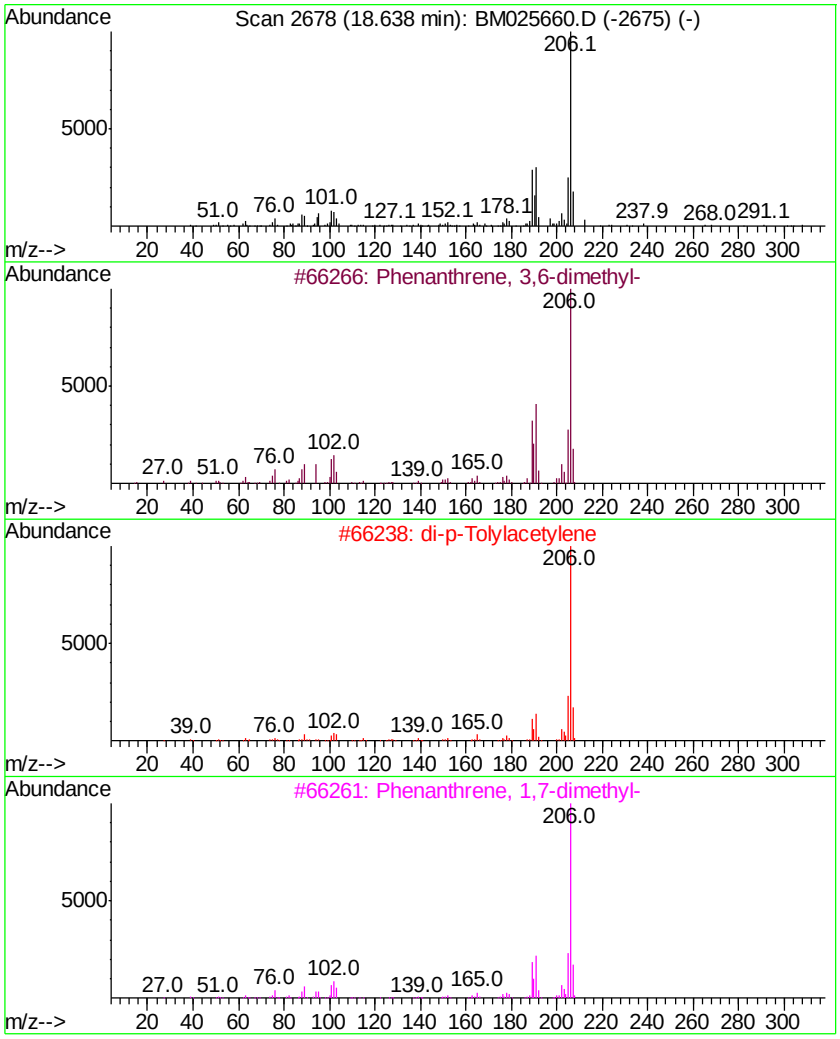
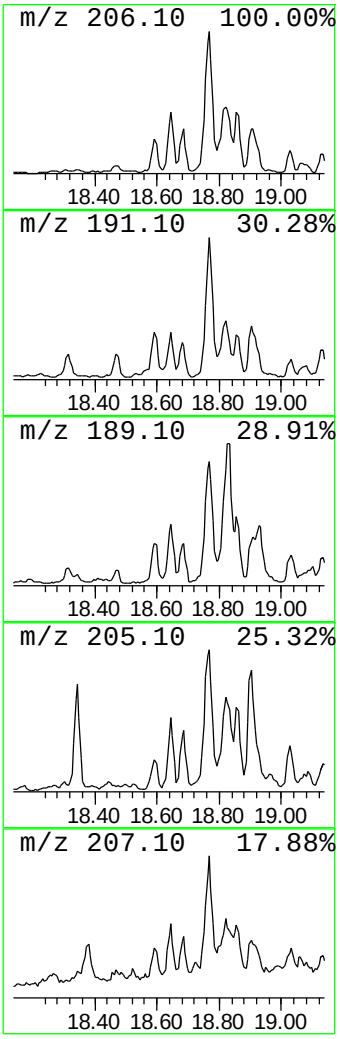
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.93 ng/ul	366955	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Sample : L1972-02
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ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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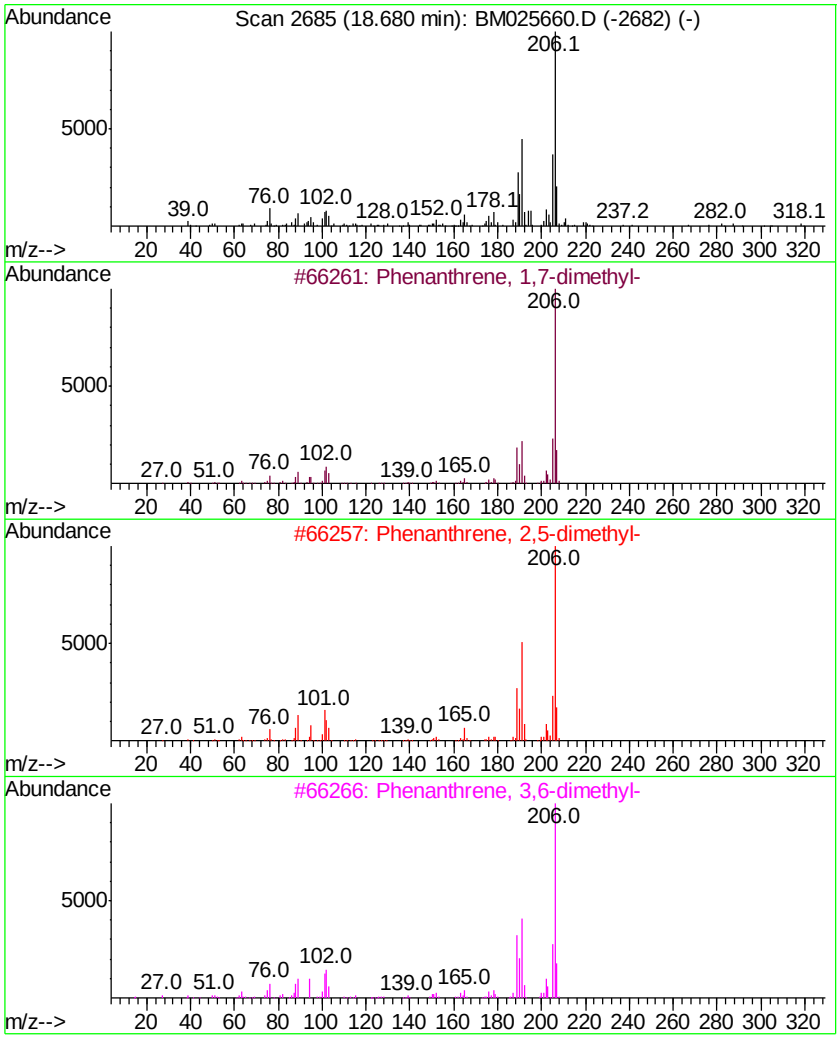
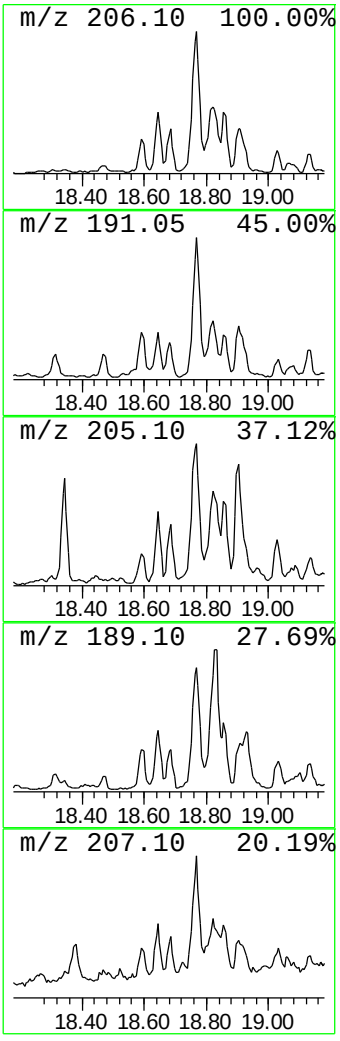
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.26 ng/ul	283038	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : L1972-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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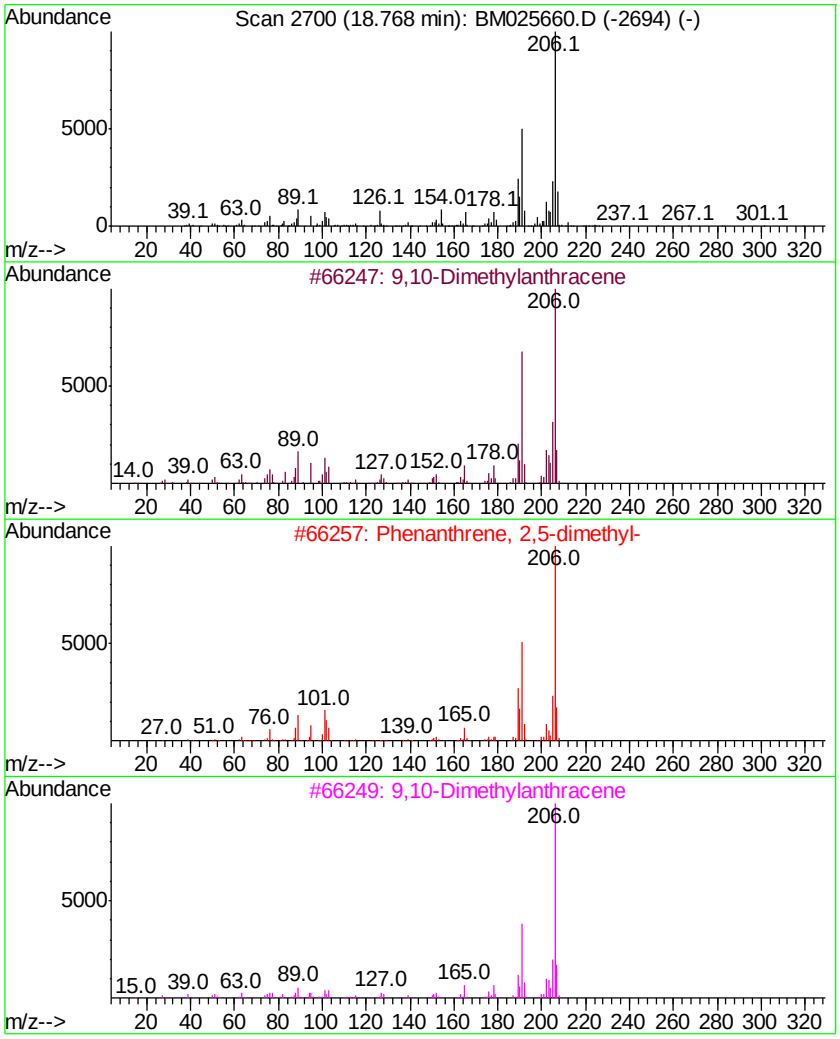
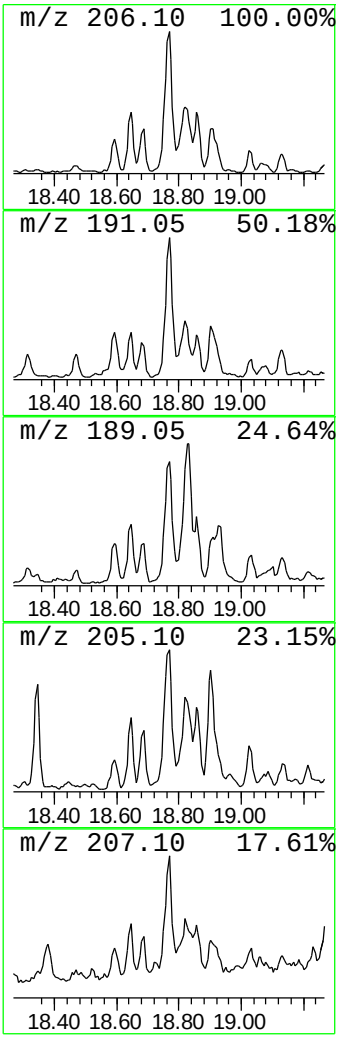
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	8.95 ng/ul	1120670	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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ALS Vial : 8 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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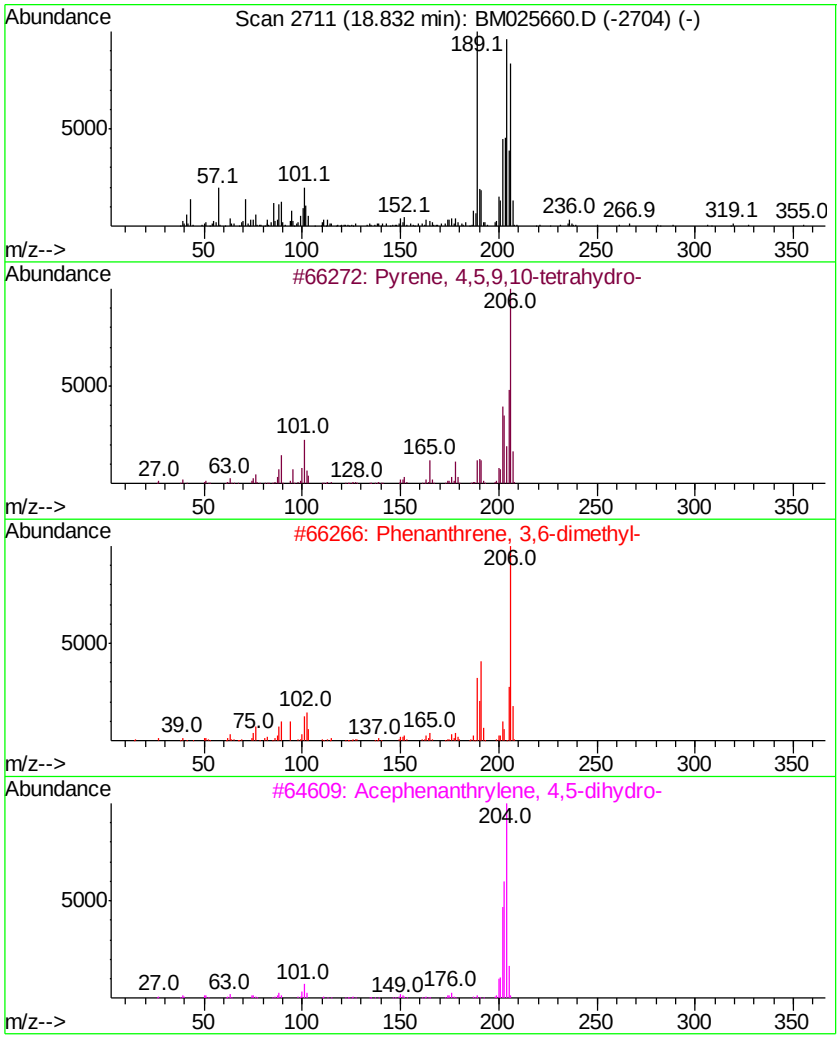
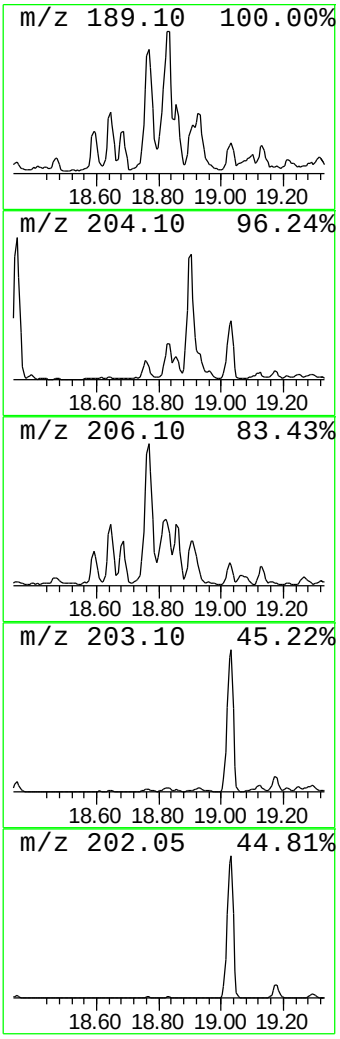
Peak Number 13 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	6.25 ng/ul	782440	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35





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Quant Title : SVOA CALIBRATION

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

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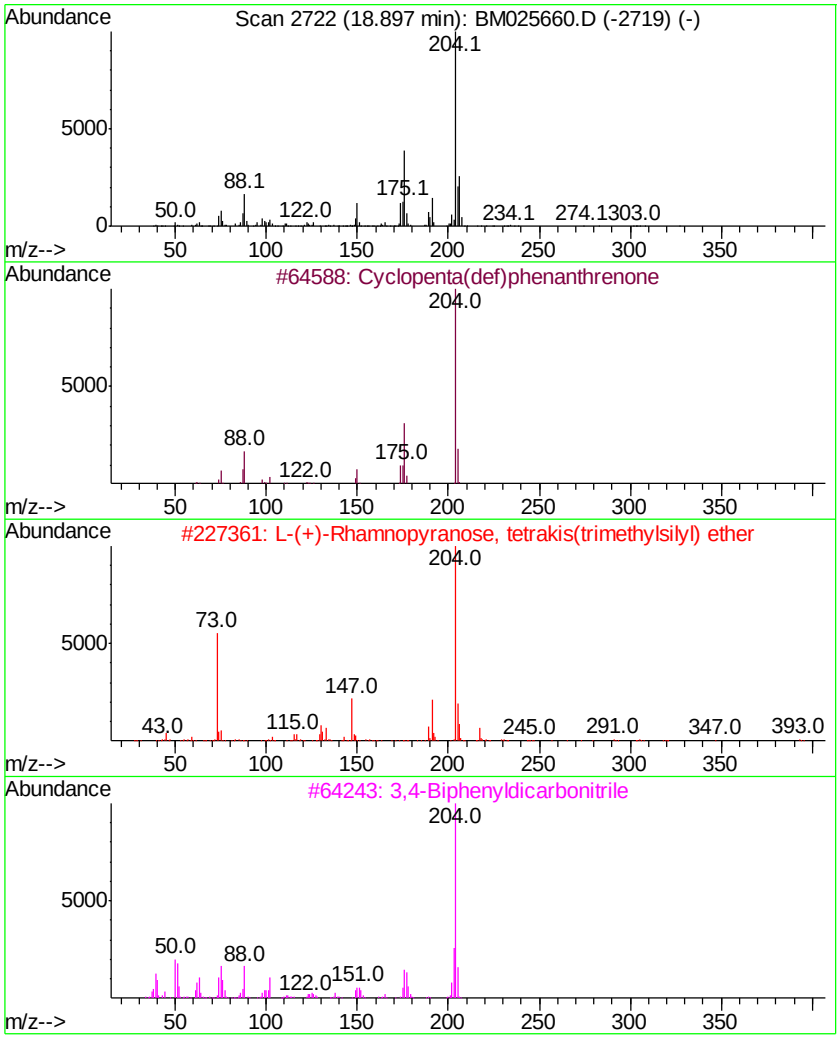
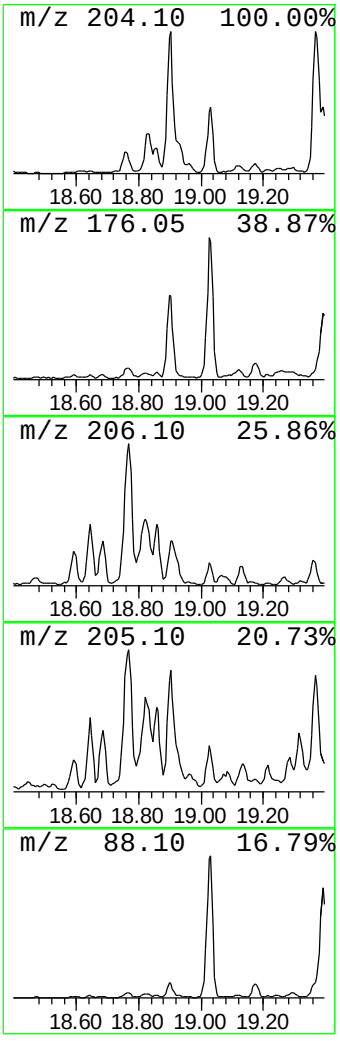
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	7.92 ng/ul	990809	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47





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Quant Title : SVOA CALIBRATION

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

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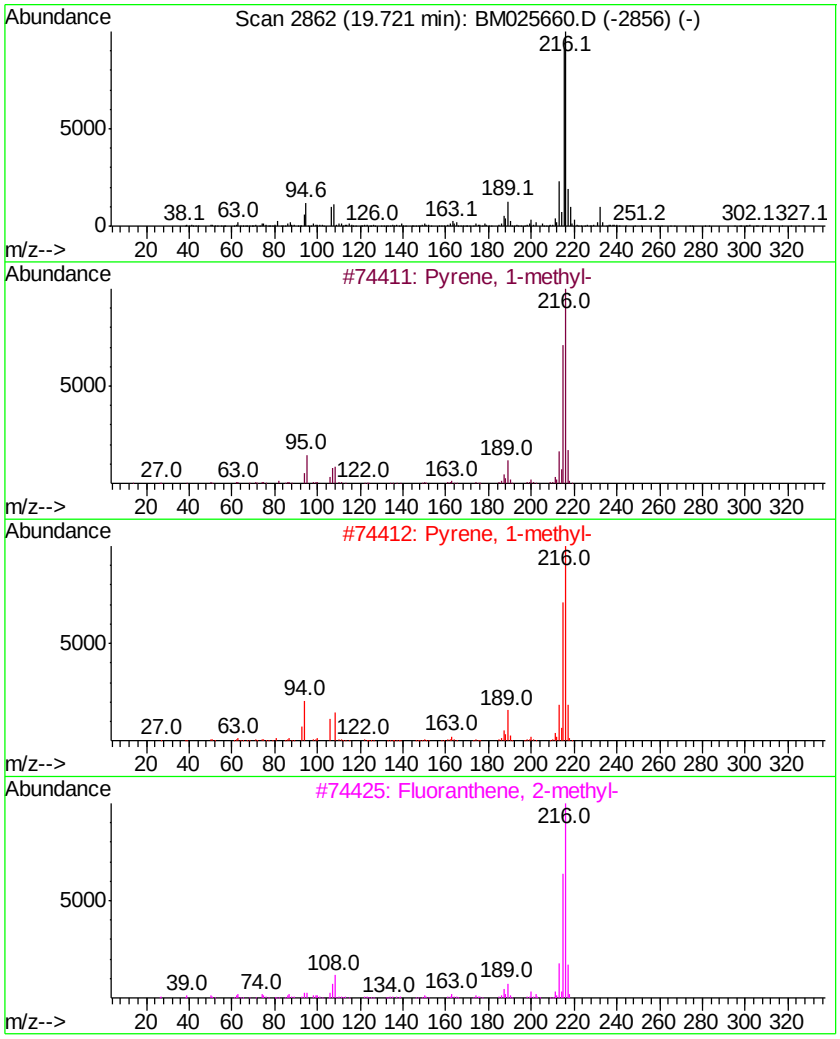
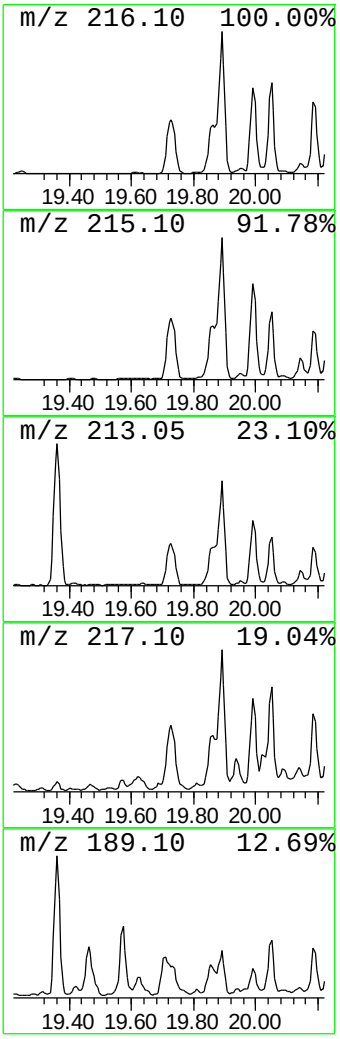
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.39 ng/ul	2055520	Chrysene-d12	21.16

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	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Quant Title : SVOA CALIBRATION

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

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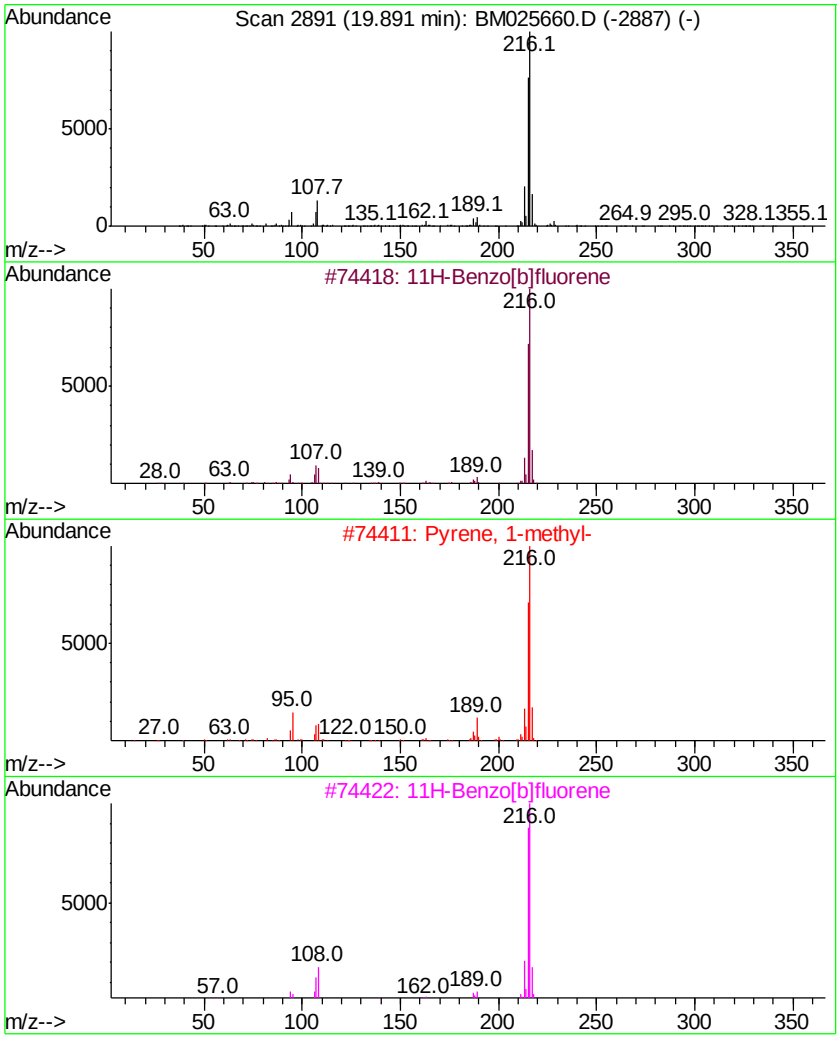
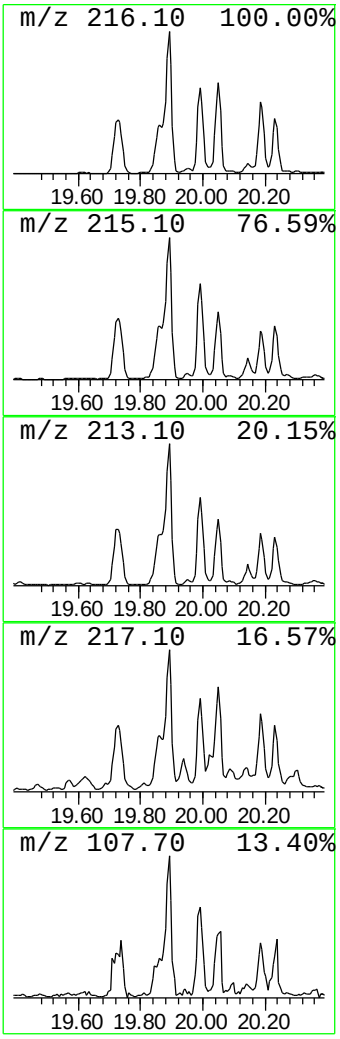
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.06 ng/ul	2632990	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Quant Title : SVOA CALIBRATION

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

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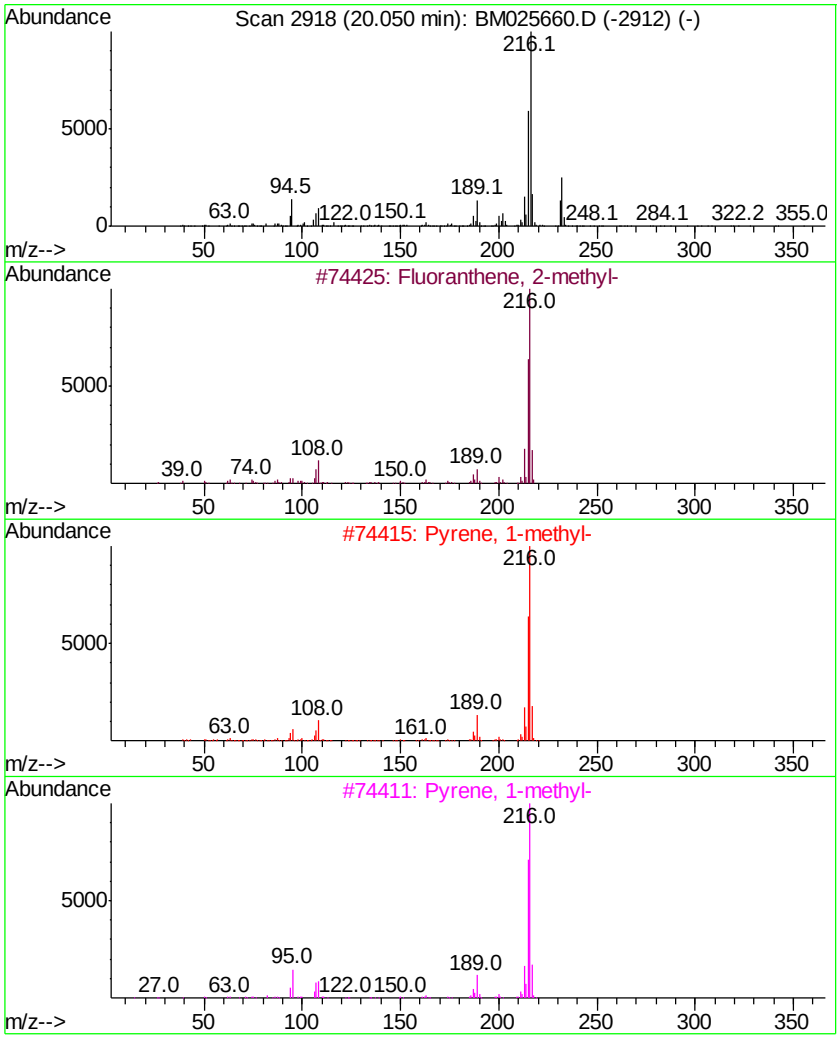
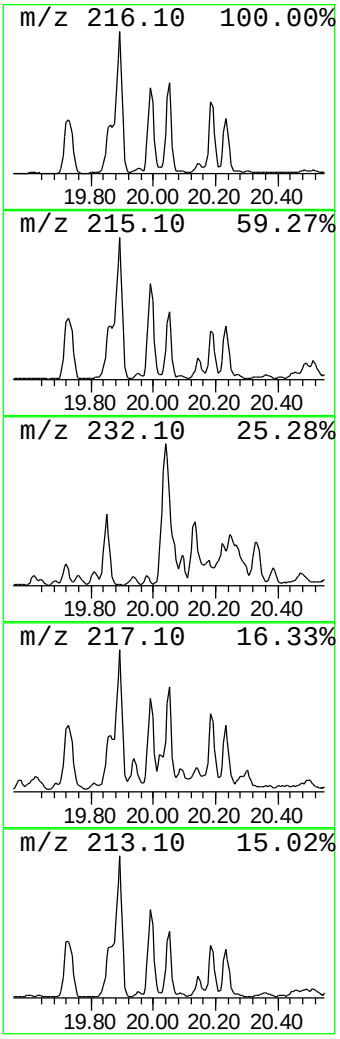
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.32 ng/ul	1996910	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95





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Acq On : 20 Mar 2020 13:59
Operator : CG/JU
Sample : L1972-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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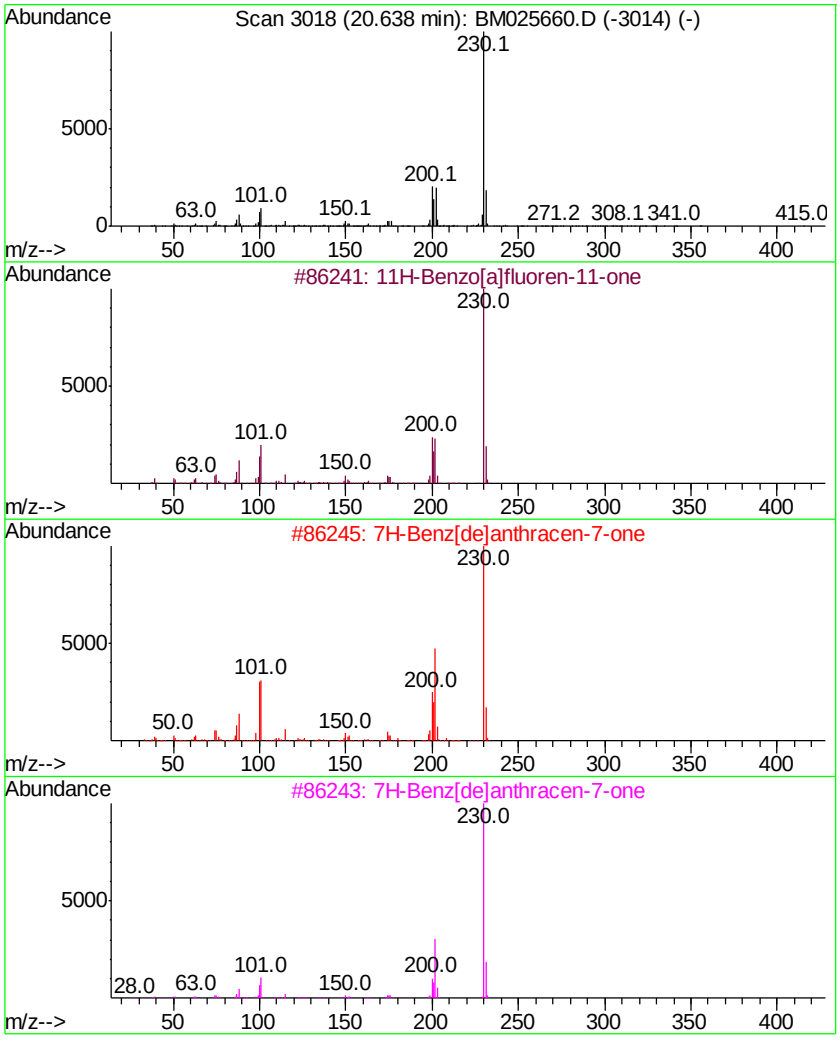
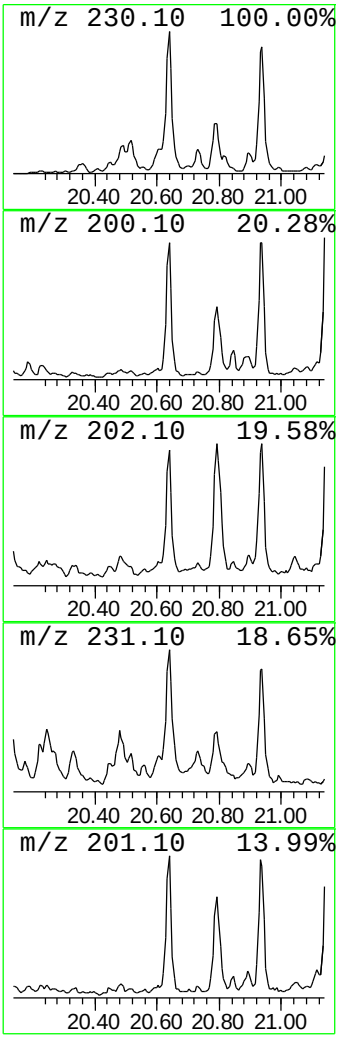
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.04 ng/ul	1759150	Chrysene-d12	21.16

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	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





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Sample : L1972-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

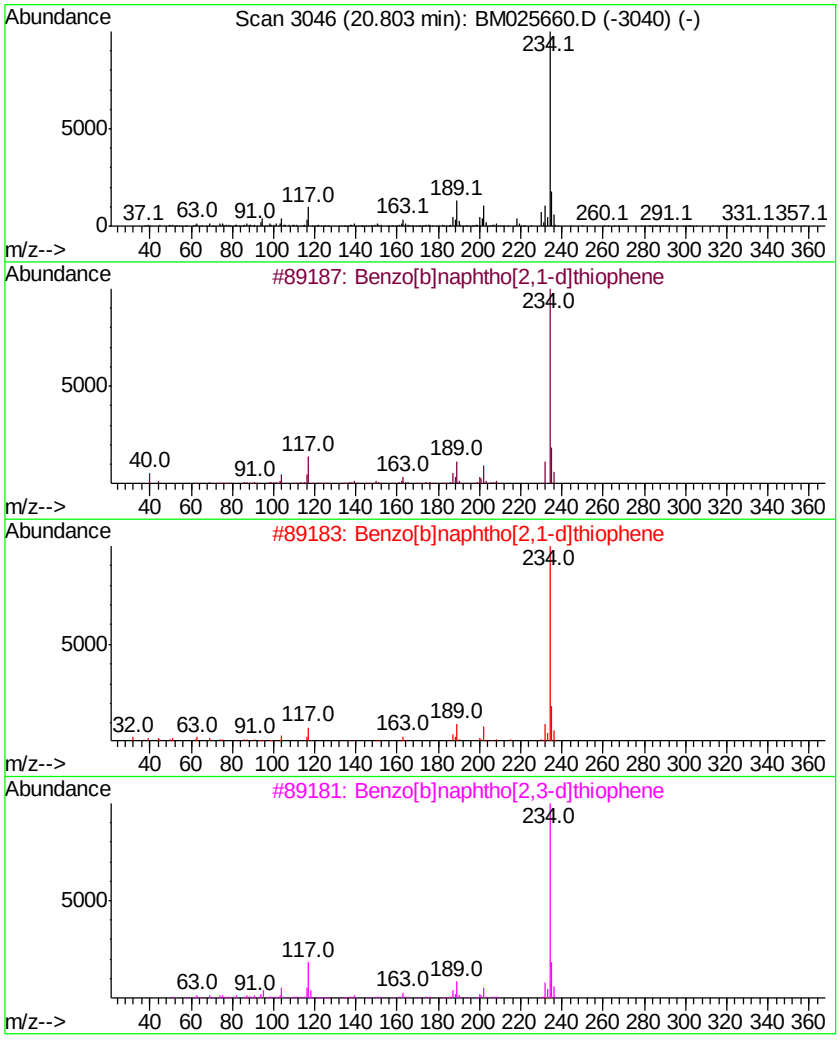
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

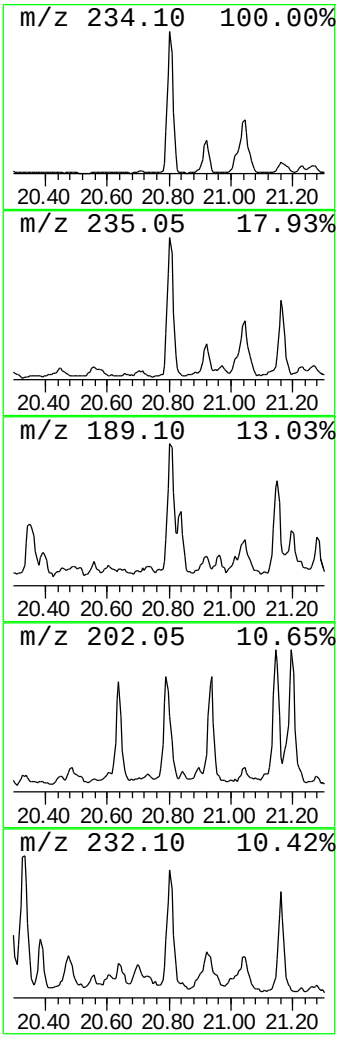
****

Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.24 ng/ul	1928480	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





Library Search Compound Report

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Sample : L1972-02
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Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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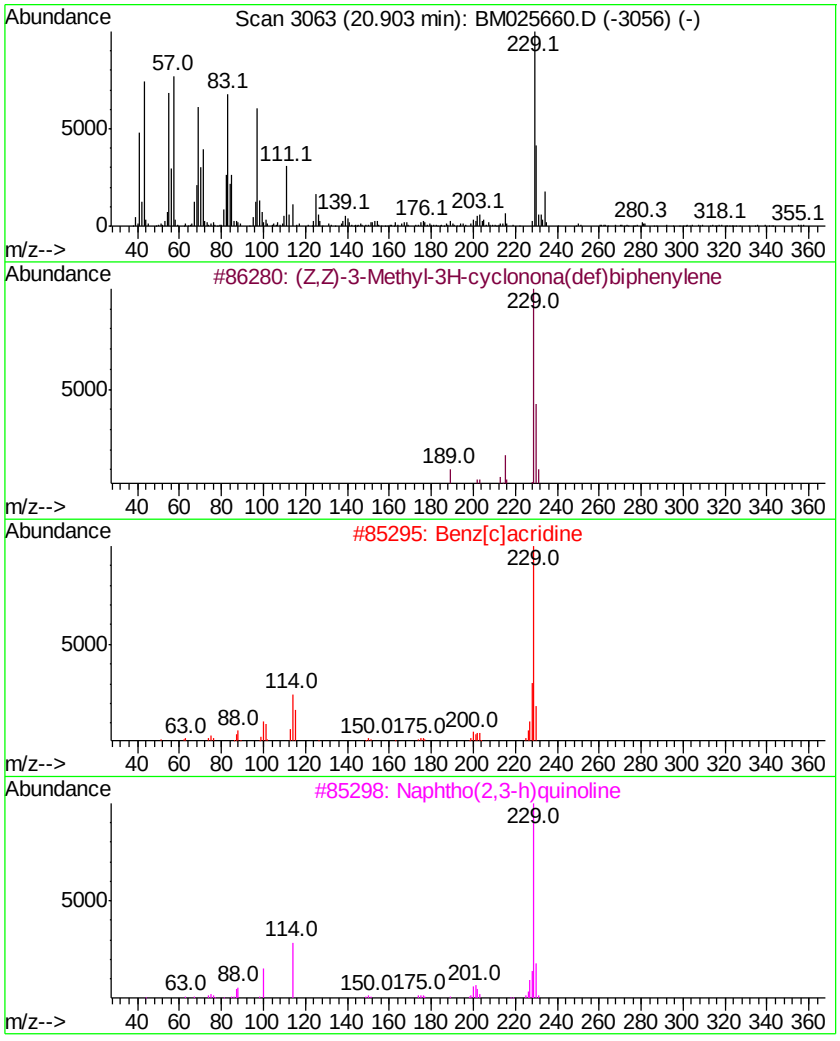
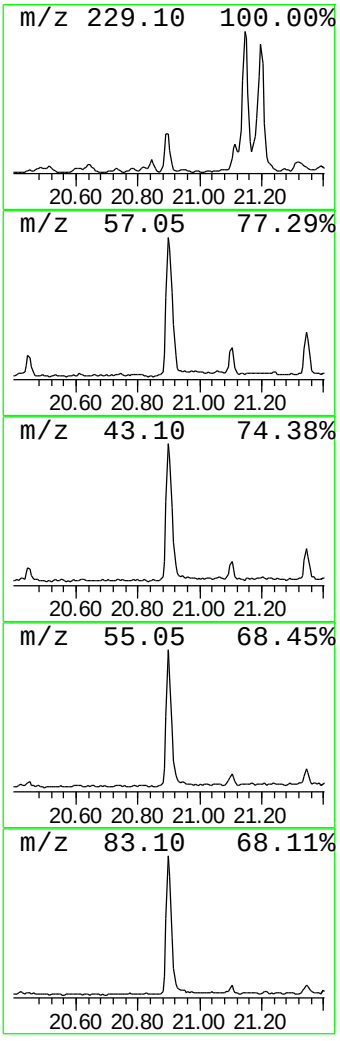
Peak Number 21 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.56 ng/ul	3066790	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	43
2	Benz[c]acridine	229	C17H11N	000225-51-4	27
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	25
4	4,8-Dihydroxy-2-[trifluoromethyl...	229	C10H6F3NO2	205040-76-2	17
5	2,6-Luitioine 4-[p-tolylthio]-	229	C14H15NS	1000252-20-5	16





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ALS Vial : 8 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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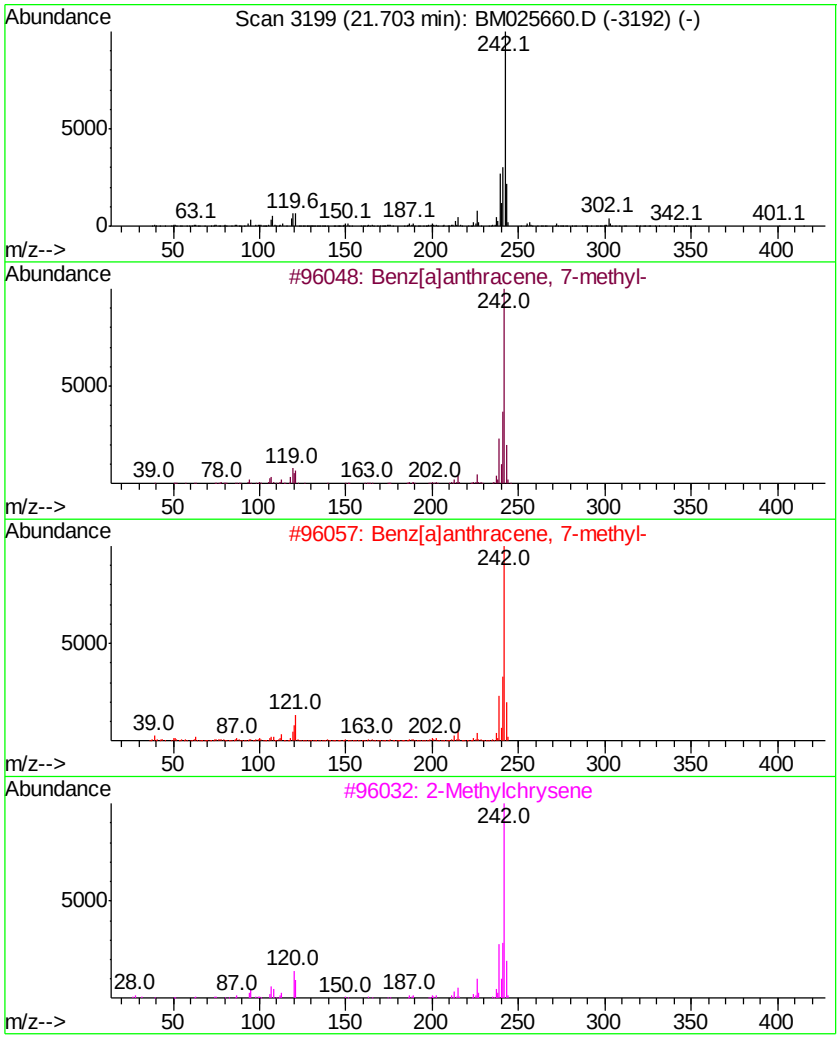
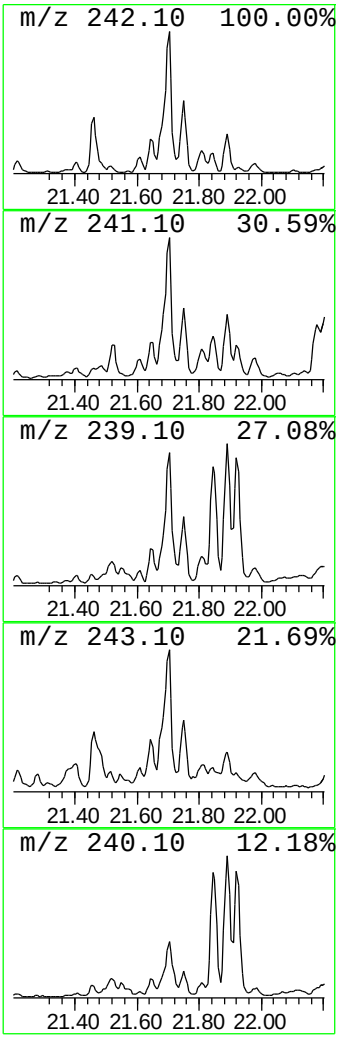
Peak Number 22 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	3.55 ng/ul	3061450	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





Library Search Compound Report

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Operator : CG/JU
Sample : L1972-02
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Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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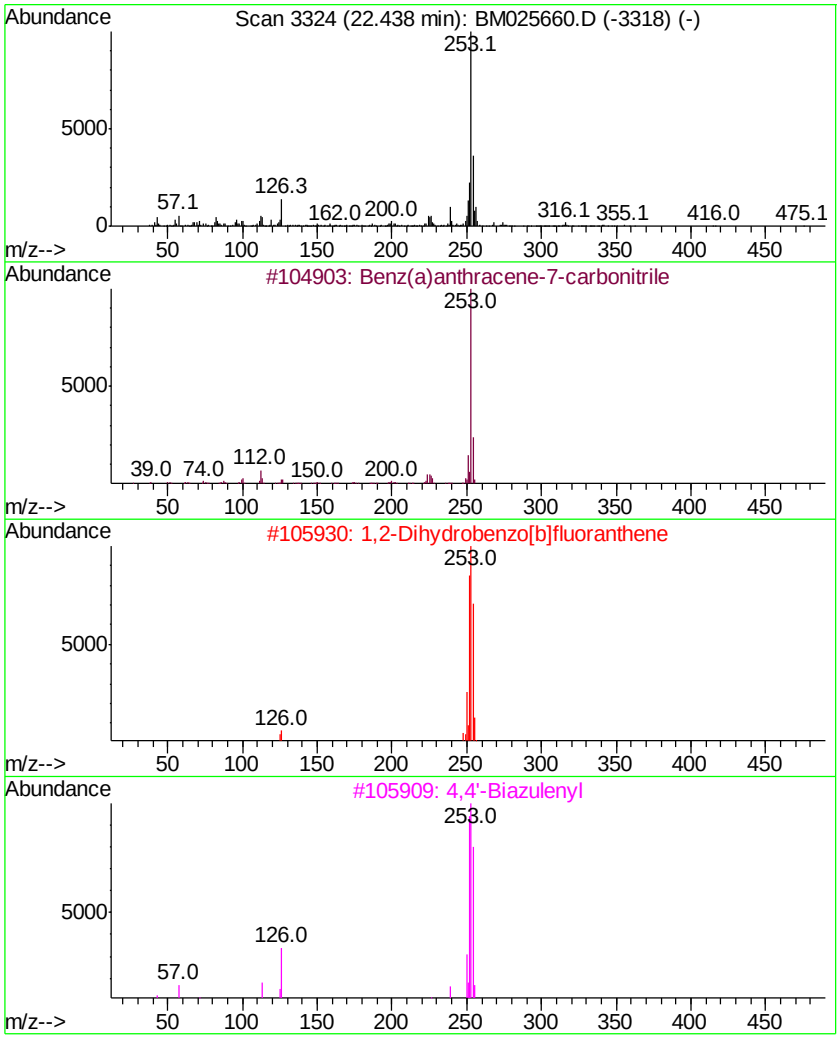
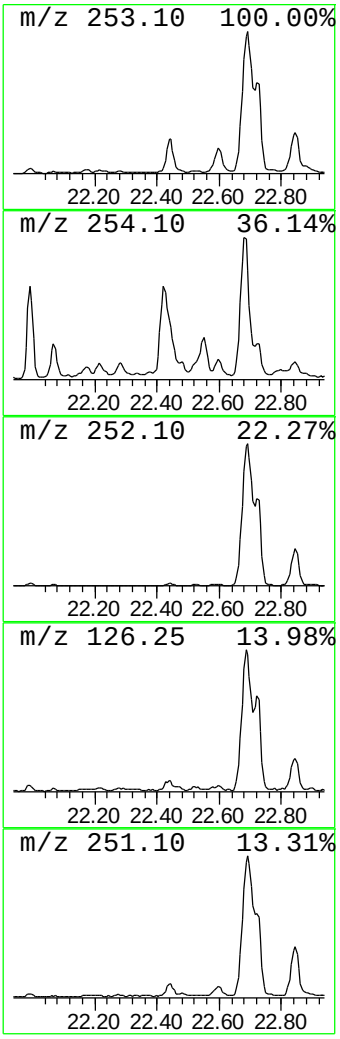
Peak Number 23 Benz(a)anthracene-7-carboni... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	10.84 ng/ul	1809430	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	43
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	43
5	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	38





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Misc :
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Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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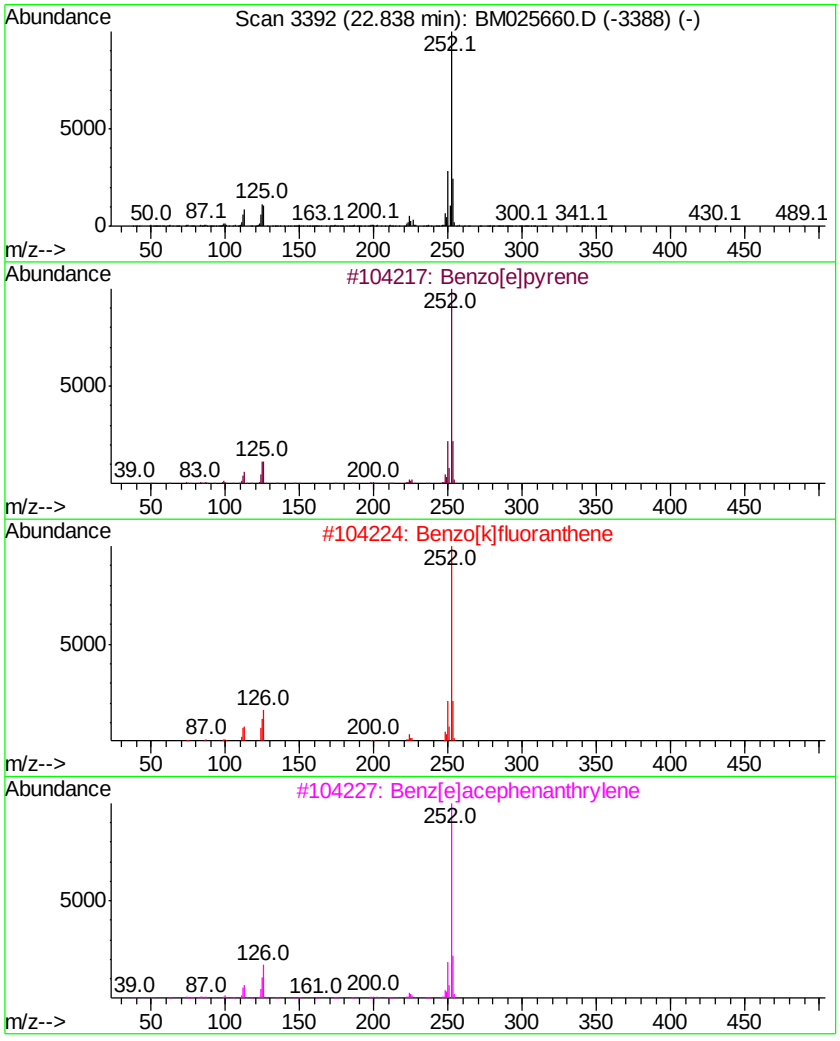
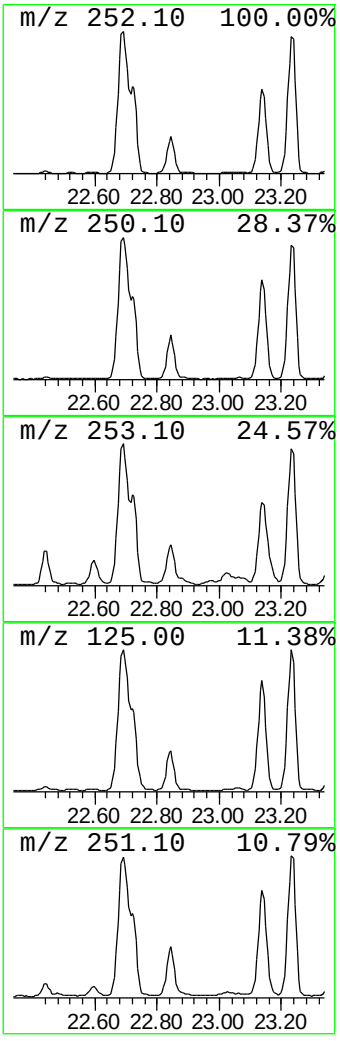
Peak Number 24 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	18.48 ng/ul	3084440	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : L1972-02
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ALS Vial : 8 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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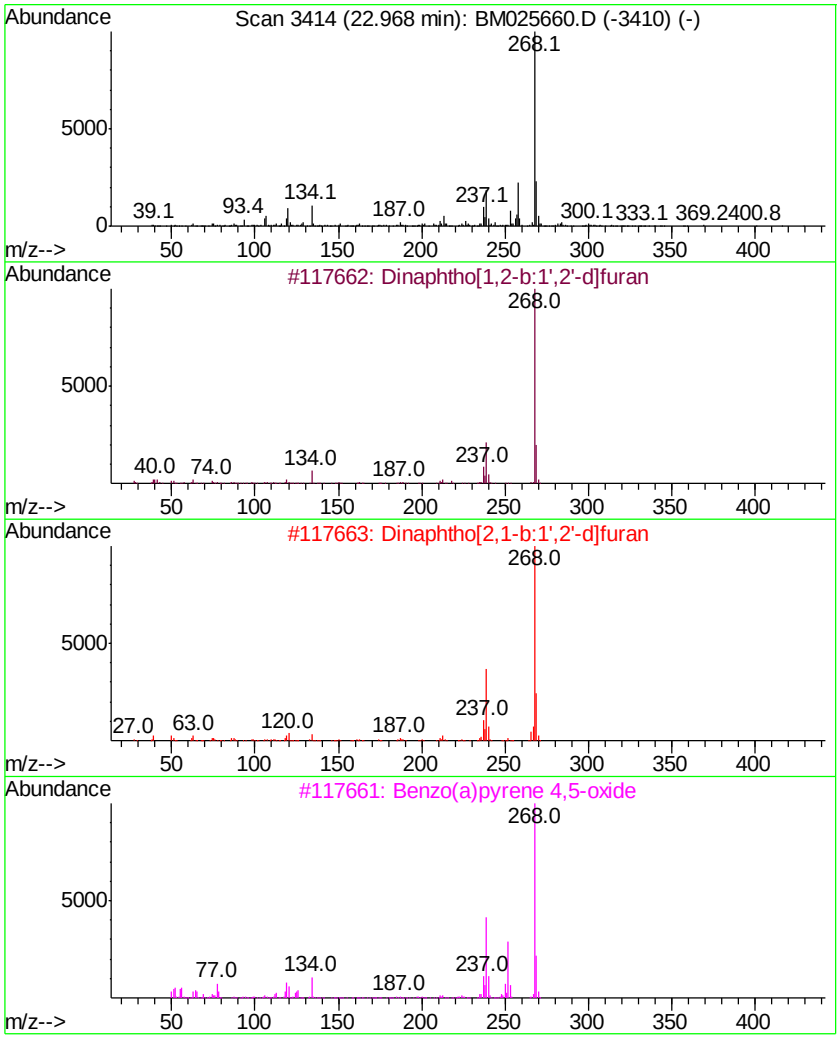
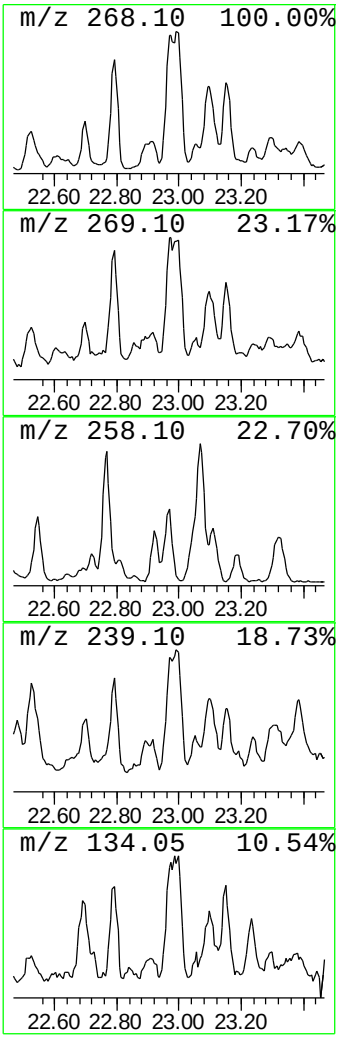
Peak Number 25 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	5.53 ng/ul	923940	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	83
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	53





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Quant Title : SVOA CALIBRATION

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

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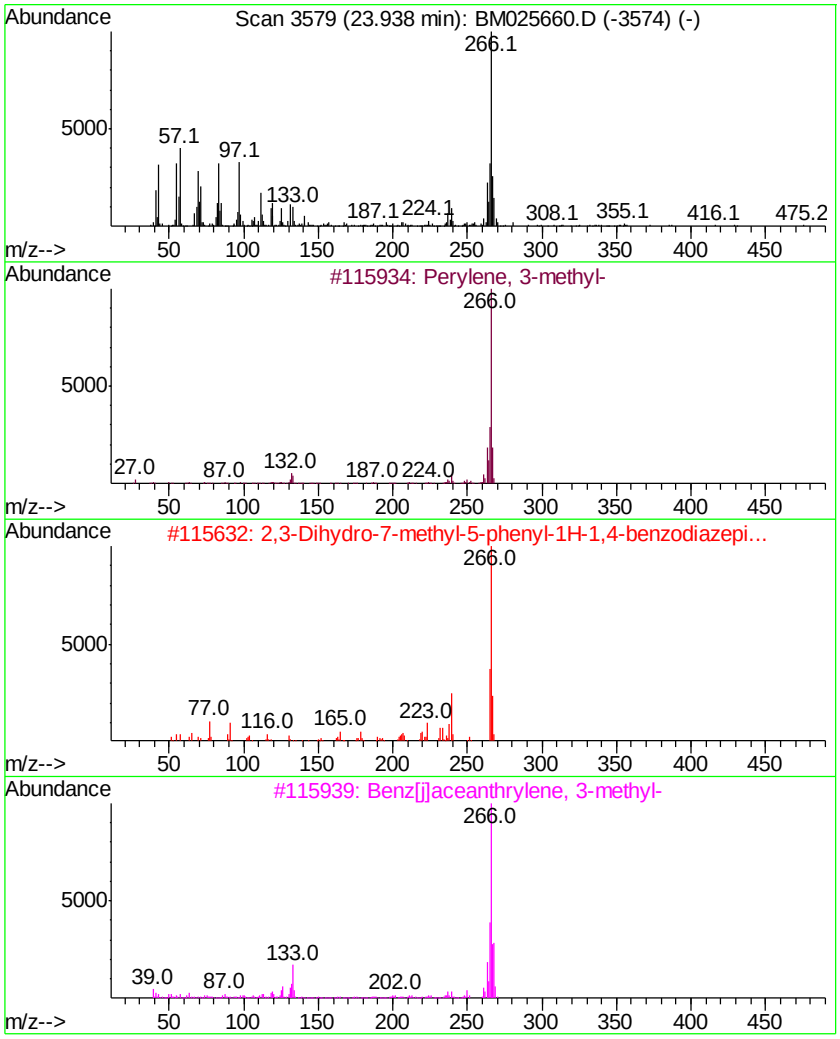
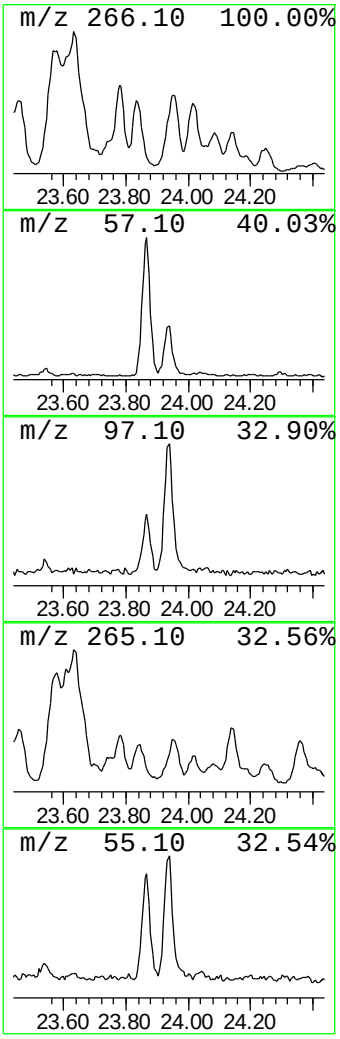
Peak Number 26 Perylene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.94	6.94 ng/ul	1159100	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
2	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	58
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	58
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50
5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	49





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Instrument : BNA_M
ClientSampleId : B0AG8

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Quant Title : SVOA CALIBRATION

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

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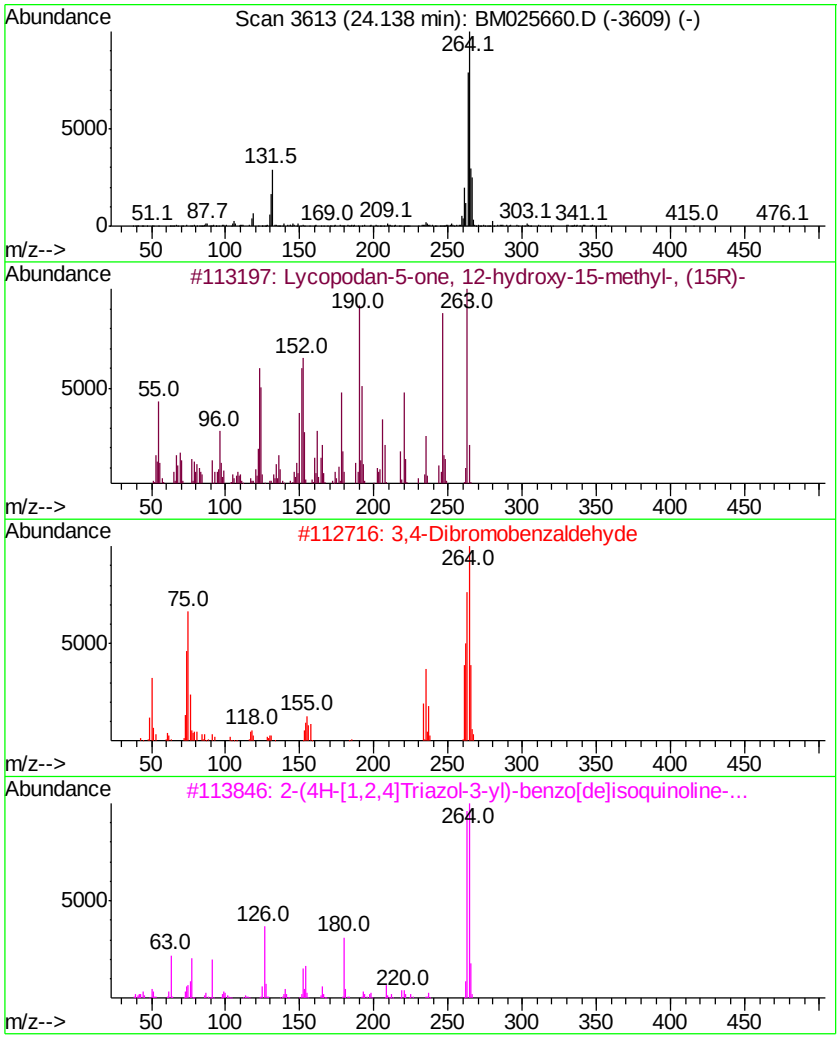
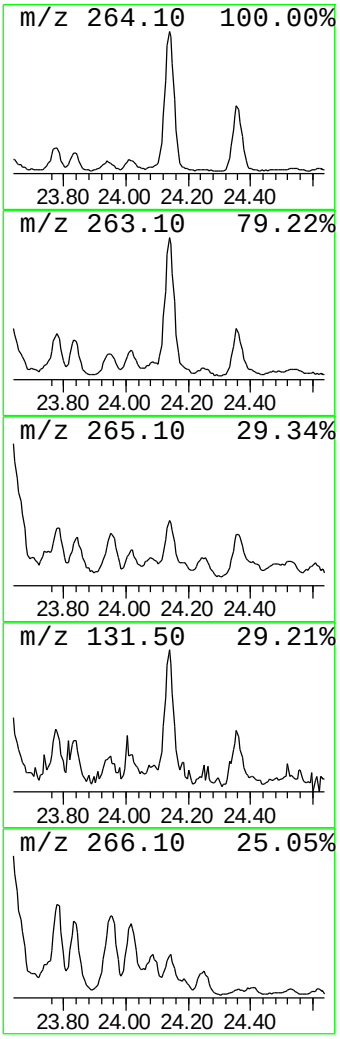
Peak Number 27 Lycopodan-5-one, 12-hydroxy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	5.65 ng/ul	944038	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	74
2	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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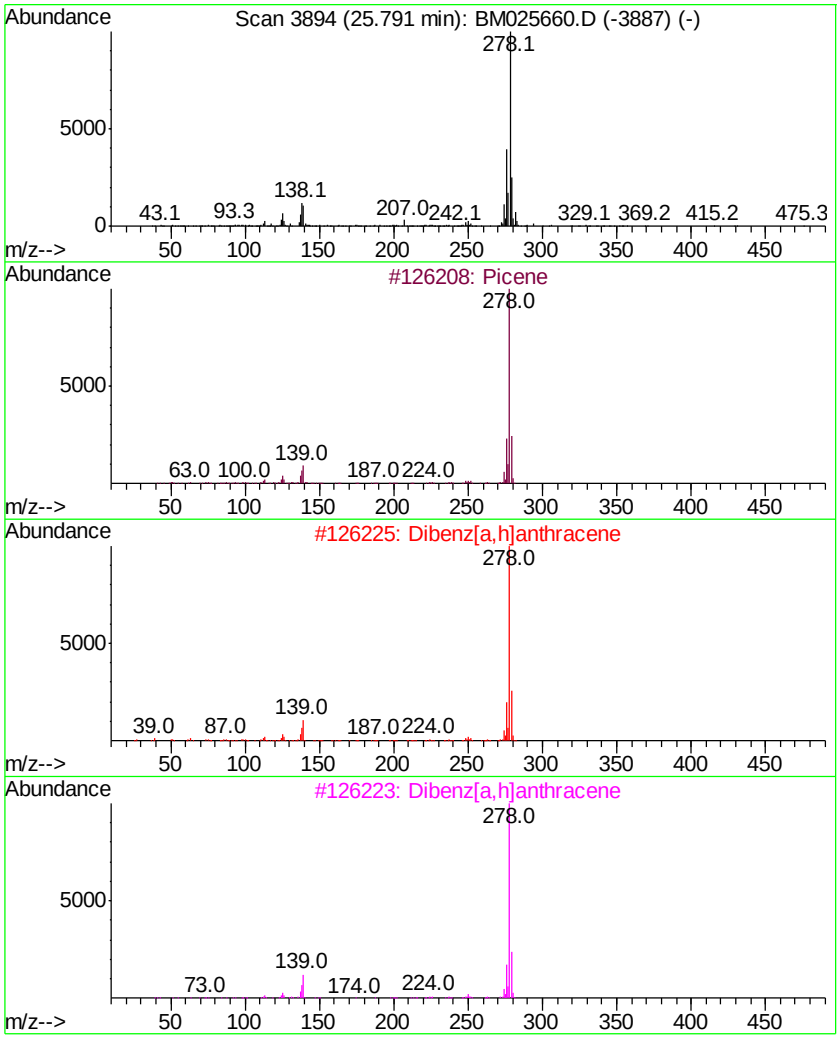
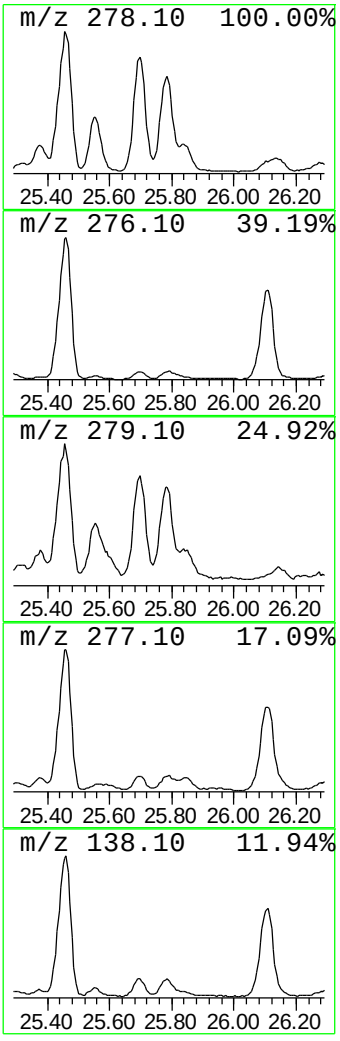
Peak Number 29 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.79	8.49 ng/ul	1418000	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	94





Tentatively Identified Compound (LSC) summary

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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
Benzo[h]quinoline	17.16	2.3	ng/ul	282124	4	16.96	2503410	20.0
Phenanthrene, 2-m...	17.84	6.5	ng/ul	815264	4	16.96	2503410	20.0
Phenanthrene, 1-m...	17.89	13.1	ng/ul	1636090	4	16.96	2503410	20.0
1H-Cyclopropa[l]p...	17.96	4.7	ng/ul	589583	4	16.96	2503410	20.0
4H-Cyclopenta[def...	18.03	14.3	ng/ul	1786470	4	16.96	2503410	20.0
Phenanthrene, 4-m...	18.07	5.2	ng/ul	653811	4	16.96	2503410	20.0
Naphthalene, 2-ph...	18.34	5.6	ng/ul	705636	4	16.96	2503410	20.0
9,10-Anthracenedione	18.38	4.6	ng/ul	574730	4	16.96	2503410	20.0
Phenanthrene, 2,3...	18.59	2.3	ng/ul	285266	4	16.96	2503410	20.0
Phenanthrene, 3,6...	18.64	2.9	ng/ul	366955	4	16.96	2503410	20.0
Phenanthrene, 1,7...	18.68	2.3	ng/ul	283038	4	16.96	2503410	20.0
9,10-Dimethylanth...	18.77	8.9	ng/ul	1120670	4	16.96	2503410	20.0
Pyrene, 4,5,9,10-...	18.83	6.3	ng/ul	782440	4	16.96	2503410	20.0
Cyclopenta(def)ph...	18.90	7.9	ng/ul	990809	4	16.96	2503410	20.0
Pyrene, 1-methyl-	19.72	2.4	ng/ul	2055520	5	21.16	17234800	20.0
11H-Benzo[b]fluorene	19.89	3.1	ng/ul	2632990	5	21.16	17234800	20.0
Fluoranthene, 2-m...	20.05	2.3	ng/ul	1996910	5	21.16	17234800	20.0
11H-Benzo[a]fluor...	20.64	2.0	ng/ul	1759150	5	21.16	17234800	20.0
Benzo[b]naphtho[2...	20.80	2.2	ng/ul	1928480	5	21.16	17234800	20.0
unknown-01	20.90	3.6	ng/ul	3066790	5	21.16	17234800	20.0
Benz[a]anthracene...	21.70	3.5	ng/ul	3061450	5	21.16	17234800	20.0
Benz(a)anthracene...	22.44	10.8	ng/ul	1809430	6	23.32	3338810	20.0
Benzo[e]pyrene	22.84	18.5	ng/ul	3084440	6	23.32	3338810	20.0
Dinaphtho[1,2-b:1...	22.97	5.5	ng/ul	923940	6	23.32	3338810	20.0
Perylene, 3-methyl-	23.94	6.9	ng/ul	1159100	6	23.32	3338810	20.0
Lycopodan-5-one, ...	24.14	5.7	ng/ul	944038	6	23.32	3338810	20.0
Picene	25.79	8.5	ng/ul	1418000	6	23.32	3338810	20.0