LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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	6.745	647	656	666	rBV	627564	968176	7.83%	0.711%
2	6.904	676	683	702	rVB	476196	736507	5.96%	0.541%
3	7.098	709	716	728	rBV	667701	1019260	8.25%	0.748%
4	7.557	788	794	802	rBV	661400	1021127	8.26%	0.750%
5	8.092	879	885	896	rBV	45896	79516	0.64%	0.058%
6	8.263	908	914	921	rBV	756788	1204704	9.75%	0.884%
7	8.698	982	988	1002	rVB	580088	953880	7.72%	0.700%
8	9.416	1104	1110	1123	rBV	472427	743167	6.01%	0.546%
9	9.951	1194	1201	1213	rBV	782517	1285316	10.40%	0.944%
10	10.322	1257	1264	1277	rBV	880690	1446867	11.70%	1.062%
11	10.469	1283	1289	1296	rVB	94807	171096	1.38%	0.126%
12	13.616	1818	1824	1828	rBV	1330331	1778951	14.39%	1.306%
13	13.663	1828	1832	1839	rVB	392875	529004	4.28%	0.388%
14	13.886	1863	1870	1882	rBV	1589949	2537492	20.53%	1.863%
15	14.198	1916	1923	1931	rVV	1340316	1900647	15.38%	1.395%
16	14.404	1952	1958	1969	rBV	487772	748661	6.06%	0.550%
17	15.198	2086	2093	2099	rBV	2046557	2860130	23.14%	2.100%
18	15.251	2099	2102	2107	rVB	49266	63609	0.51%	0.047%
19	15.321	2108	2114	2122	rBV	532964	723883	5.86%	0.531%
20	15.839	2197	2202	2206	rBV	249590	316966	2.56%	0.233%
21	15.921	2211	2216	2223	rBV	105279	172721	1.40%	0.127%
22	16.945	2384	2390	2395	rBV	1597461	2199306	17.79%	1.614%
23	16.986	2395	2397	2401	rVV	116274	128574	1.04%	0.094%
24	17.045	2401	2407	2410	rVV	2173827	3325232	26.90%	2.441%
25	17.080	2410	2413	2419	rVV	2520872	3206818	25.94%	2.354%
26	17.139	2419	2423	2427	rVV2	76941	116802	0.94%	0.086%
27	17.351	2451	2459	2463	rBV2	114085	191705	1.55%	0.141%
28	17.392	2463	2466	2474	rVV4	43546	91558	0.74%	0.067%
29	17.474	2476	2480	2484	rVB2	58294	86397	0.70%	0.063%
30	17.609	2499	2503	2508	rBV6	38033	56763	0.46%	0.042%
31	17.868	2543	2547	2555	rVB5	119621	178696	1.45%	0.131%
32	17.945	2555	2560	2565	rBV	202964	281137	2.27%	0.206%
33	18.009	2566	2571	2582	rVB2	200468	397101	3.21%	0.292%
34	18.209	2603	2605	2611	rVB3	54144	79673	0.64%	0.058%

LSC Area Percent Report

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Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

35	18.362	2628	2631	2635	rVV4	49550	64588	0.52%	0.047%
36	18.574	2659	2667	2672	rBV5	71500	172844	1.40%	0.127%
37	18.668	2679	2683	2687	rVB	97578	130751	1.06%	0.096%
38	18.745	2691	2696	2701	rBV	175082	277755	2.25%	0.204%
39	18.809	2702	2707	2710	rBV4	112449	174424	1.41%	0.128%
40	18.886	2715	2720	2727	rBV	322074	538782	4.36%	0.396%
41	19.009	2735	2741	2748	rVB	4198440	5347848	43.26%	3.926%
42	19.086	2748	2754	2755	rBV3	110505	180373	1.46%	0.132%
43	19.103	2755	2757	2763	rVV	161550	234864	1.90%	0.172%
44	19.156	2763	2766	2770	rVB	90042	103737	0.84%	0.076%
45	19.233	2775	2779	2781	rBV	159157	241749	1.96%	0.177%
46	19.345	2792	2798	2800	rBV2	3133688	4487463	36.30%	3.294%
47	19.374	2800	2803	2812	rVB	7062603	8915556	72.12%	6.545%
48	19.462	2812	2818	2823	rVB4	194971	385629	3.12%	0.283%
49	19.556	2830	2834	2840	rVV	273979	427126	3.46%	0.314%
50	19.609	2840	2843	2850	rVB2	241739	397002	3.21%	0.291%
51	19.703	2853	2859	2870	rBV3	647677	1469270	11.89%	1.079%
52	19.792	2871	2874	2877	rBV3	84379	118056	0.96%	0.087%
53	19.874	2886	2888	2893	rVB	912299	973412	7.87%	0.715%
54	19.927	2894	2897	2900	rBV3	72477	118834	0.96%	0.087%
55	19.974	2900	2905	2909	rVV	793762	972579	7.87%	0.714%
56	20.027	2909	2914	2918	rVV2	952325	1557196	12.60%	1.143%
57	20.068	2918	2921	2925	rVV	274836	359923	2.91%	0.264%
58	20.115	2926	2929	2934	rVB	145265	178306	1.44%	0.131%
59	20.168	2934	2938	2942	rBV	806906	1053968	8.53%	0.774%
60	20.215	2942	2946	2951	rVV3	431110	654658	5.30%	0.481%
61	20.433	2979	2983	2986	rBV4	227461	377836	3.06%	0.277%
62	20.539	2998	3001	3004	rVB2	195460	207876	1.68%	0.153%
63	20.580	3004	3008	3012	rBV3	191287	316554	2.56%	0.232%
64	20.621	3012	3015	3022	rVB2	434352	726507	5.88%	0.533%
65	20.786	3037	3043	3047	rBV2	760231	1260170	10.19%	0.925%
66	20.827	3047	3050	3053	rVV	918708	1112200	9.00%	0.816%
67	20.862	3053	3056	3063	rVV2	1457847	2737047	22.14%	2.009%
68	20.915	3063	3065	3073	rVB	383610	558015	4.51%	0.410%
69	21.027	3081	3084	3089	rVB	247396	369214	2.99%	0.271%
70	21.127	3093	3101	3105	rBV2	5504325	9771713	79.05%	7.173%
71	21.180	3107	3110	3117	rVB	6725076	8666162	70.11%	6.362%

LSC Area Percent Report

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Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

72	21.262	3121	3124	3126	rBV2	165512	177144	1.43%	0.130%
73	21.297	3126	3130	3132	rBV2	366152	529043	4.28%	0.388%
74	21.397	3144	3147	3151	rVB3	368778	505307	4.09%	0.371%
75	21.444	3151	3155	3161	rVV2	563036	898925	7.27%	0.660%
76	21.497	3161	3164	3172	rVB3	391079	623854	5.05%	0.458%
77	21.633	3183	3187	3189	rBV	306316	426386	3.45%	0.313%
78	21.680	3189	3195	3199	rVV	965661	1468519	11.88%	1.078%
79	21.733	3200	3204	3211	rVB2	529328	853797	6.91%	0.627%
80	21.797	3212	3215	3218	rBV	262494	331204	2.68%	0.243%
81	21.868	3223	3227	3230	rVV2	600605	883517	7.15%	0.649%
82	21.897	3230	3232	3238	rVV5	414752	625650	5.06%	0.459%
83	21.968	3239	3244	3253	rVB3	368645	641069	5.19%	0.471%
84	22.133	3269	3272	3276	rBV	132570	163444	1.32%	0.120%
85	22.197	3280	3283	3287	rVB2	322015	444354	3.59%	0.326%
86	22.262	3291	3294	3300	rBV3	172718	307696	2.49%	0.226%
87	22.397	3313	3317	3323	rBV2	362961	880855	7.13%	0.647%
88	22.521	3334	3338	3344	rVB3	317568	529493	4.28%	0.389%
89	22.662	3354	3362	3366	rBV2	5771582	12361320	100.00%	9.074%
90	22.815	3384	3388	3394	rVB	719077	1102171	8.92%	0.809%
91	22.944	3405	3410	3419	rBV3	305332	822551	6.65%	0.604%
92	23.027	3420	3424	3431	rVV4	227265	704761	5.70%	0.517%
93	23.109	3432	3438	3442	rVV	2625611	4841112	39.16%	3.554%
94	23.156	3442	3446	3450	rVV	2232721	4083750	33.04%	2.998%
95	23.203	3450	3454	3461	rVV	3070837	5297865	42.86%	3.889%
96	23.285	3461	3468	3473	rVV	1487545	3140028	25.40%	2.305%
97	23.333	3473	3476	3485	rVB2	775186	1533339	12.40%	1.126%
98	24.885	3735	3740	3752	rVB3	326703	905242	7.32%	0.665%
99	25.409	3821	3829	3839	rVB	1028530	2683459	21.71%	1.970%
100	26.050	3930	3938	3954	rVB	414071	1215843	9.84%	0.893%

Sum of corrected areas: 136223127

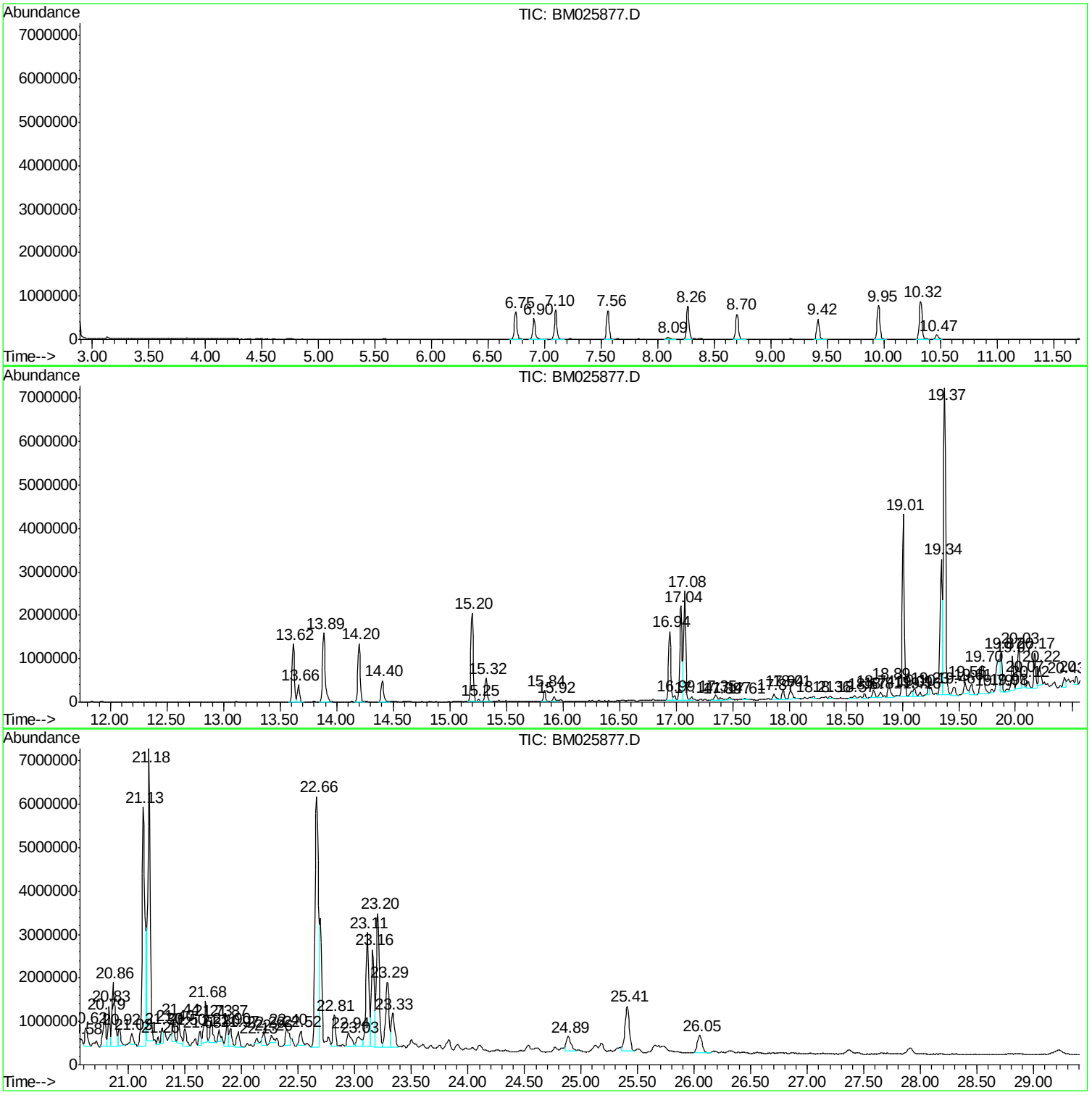
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
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Instrument : BNA_M
ClientSampleId : F3E06

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

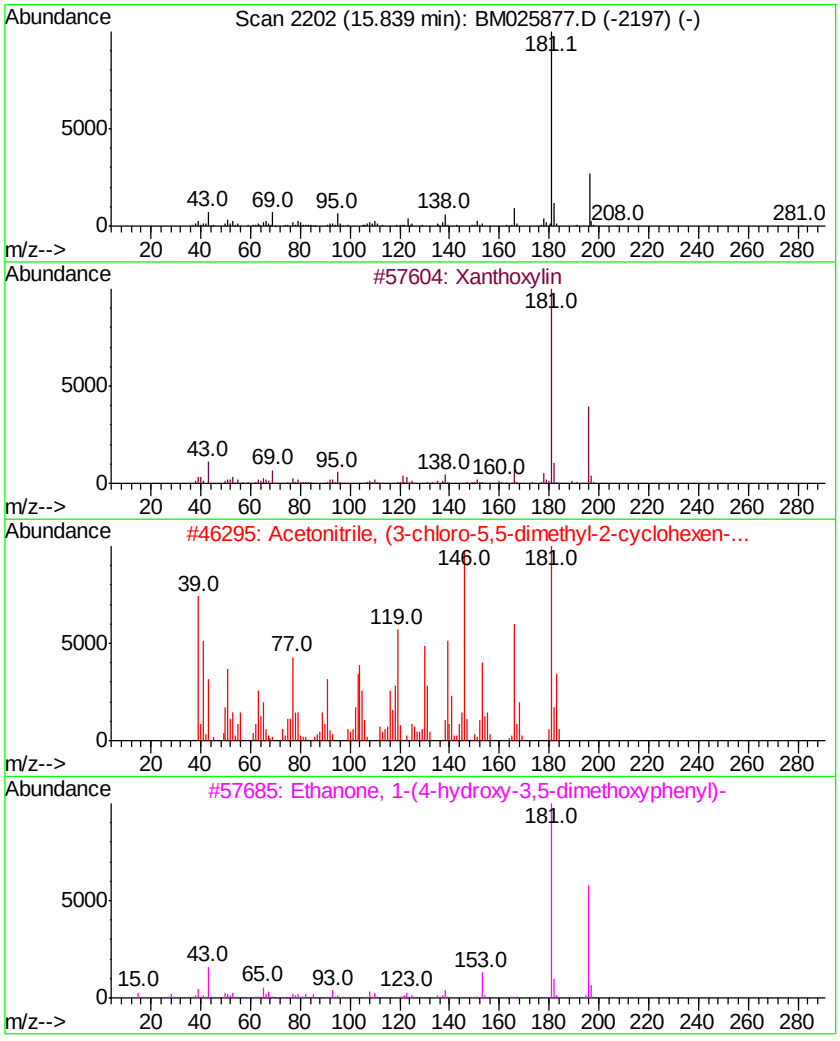
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

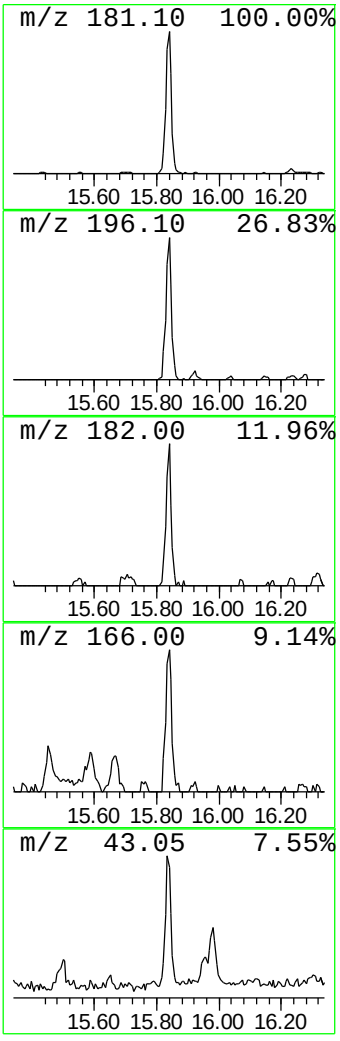
****

Peak Number 1 Xanthoxylin Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	2.88 ng/ul	316966	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xanthoxylin	196	C10H12O4	000090-24-4	94
2	Acetonitrile, (3-chloro-5,5-dime...	181	C10H12ClN	076399-17-2	91
3	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	80
4	Benzene, 1-ethyl-2,3,4,5,6-penta...	196	C8H5F5	002251-81-2	64
5	Thiophene, 2,4-bis(1,1-dimethyle...	196	C12H20S	033369-81-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

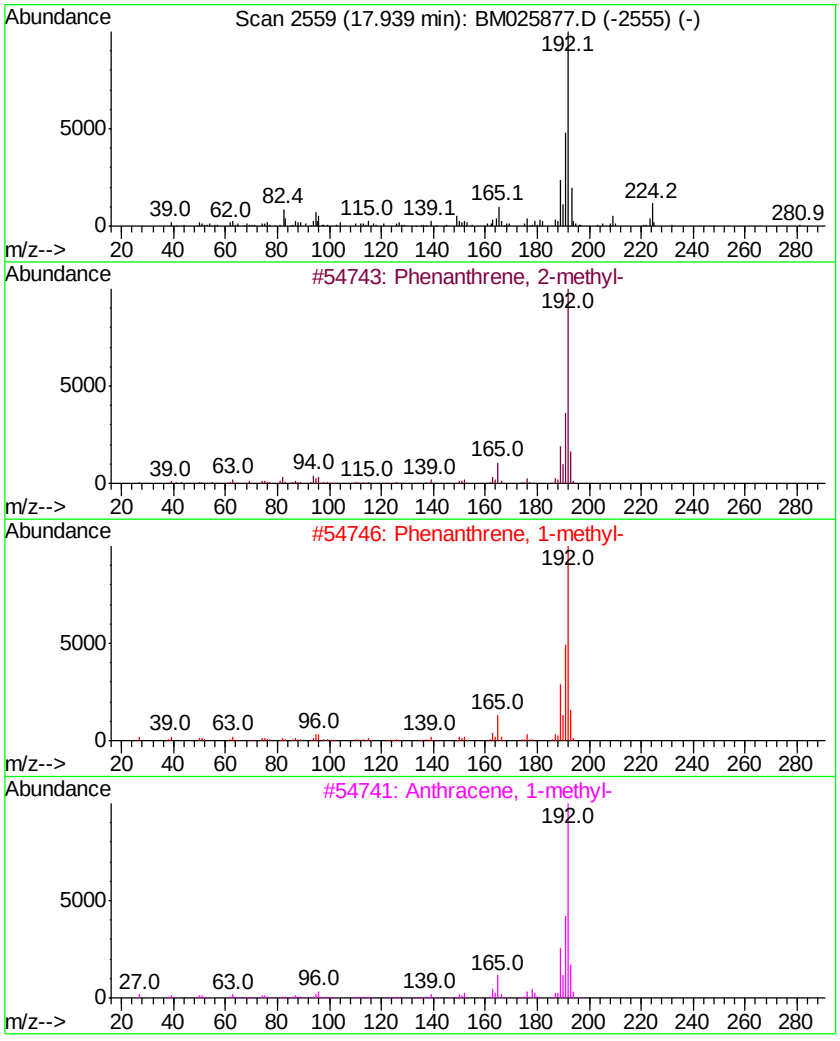
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

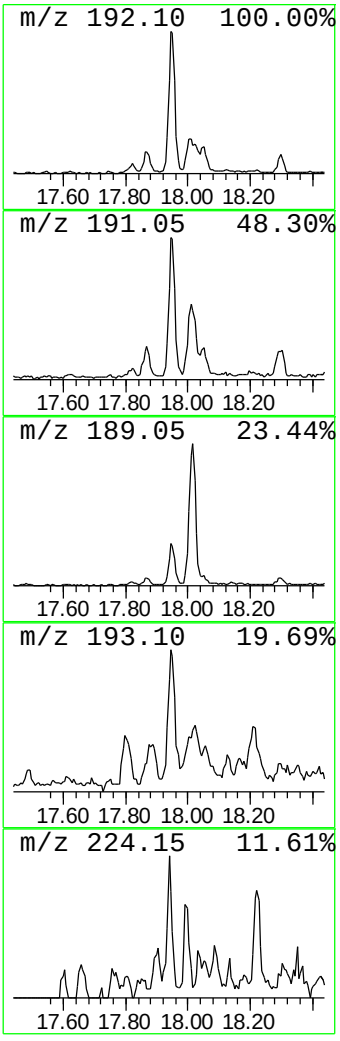
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.56 ng/ul	281137	Phenanthrene-d10	16.94

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





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Acq On : 31 Mar 2020 22:15
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Sample : L2062-07
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Instrument : BNA_M
ClientSampleId : F3E06

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

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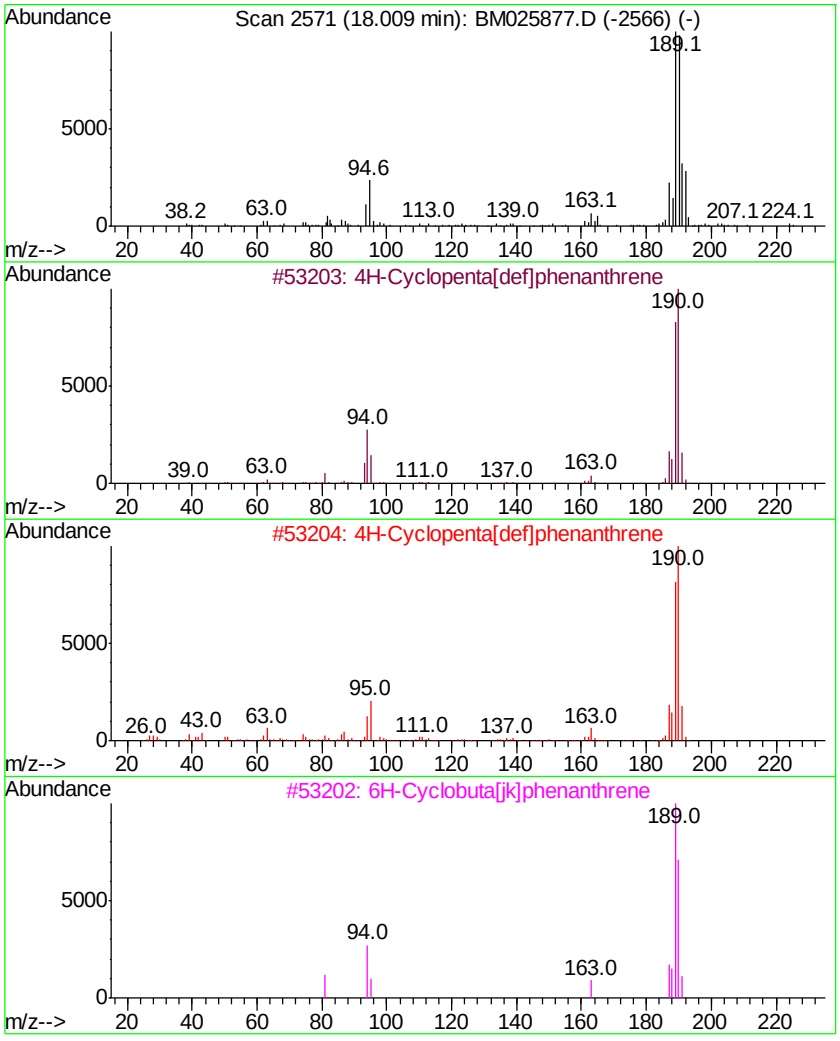
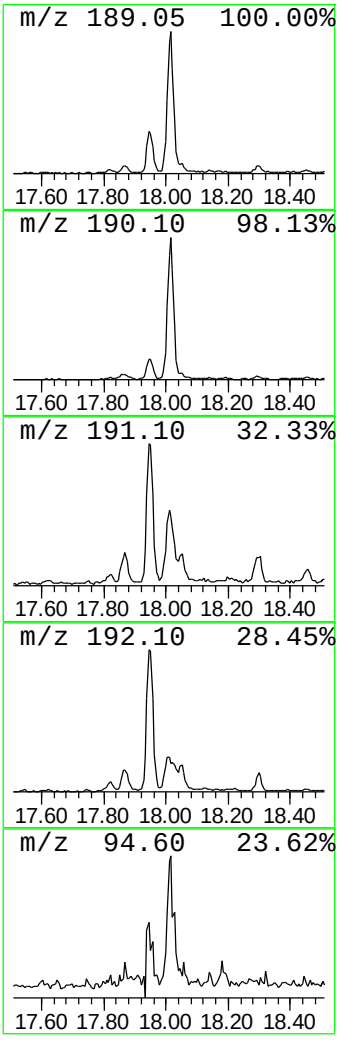
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.61 ng/ul	397101	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

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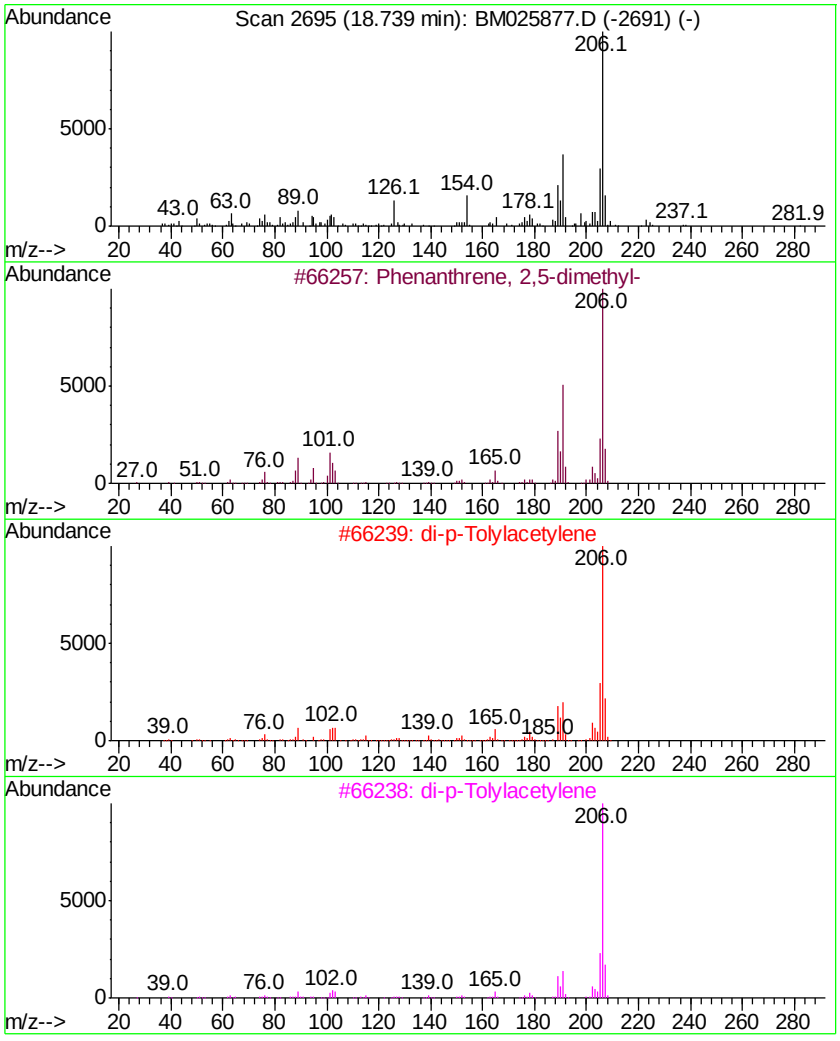
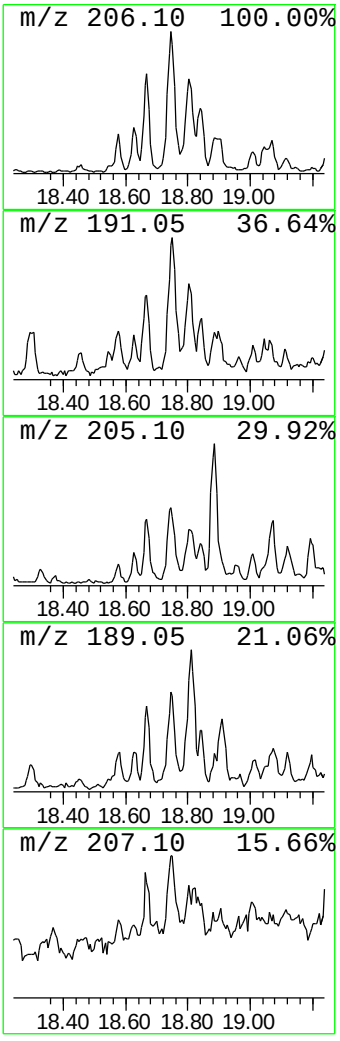
Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.53 ng/ul	277755	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

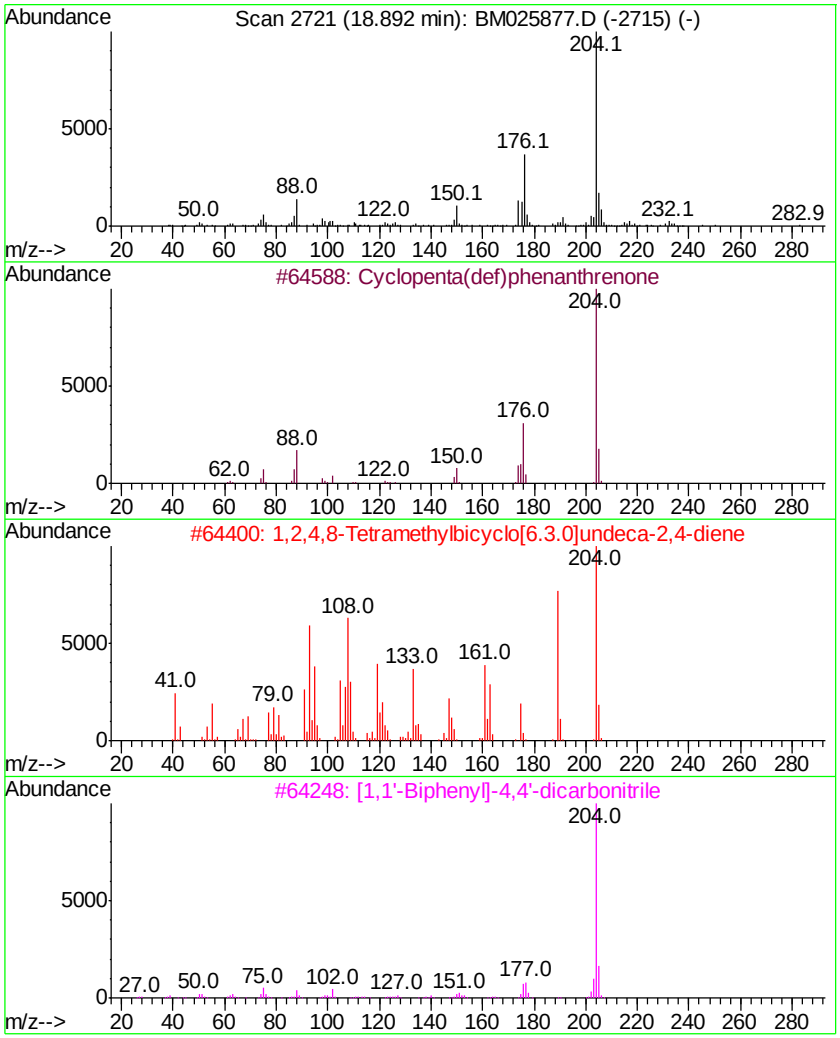
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

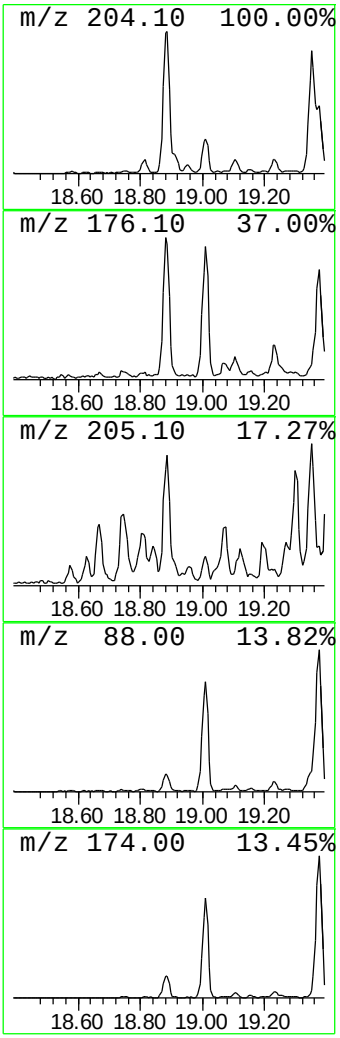
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	4.90 ng/ul	538782	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59





Library Search Compound Report

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Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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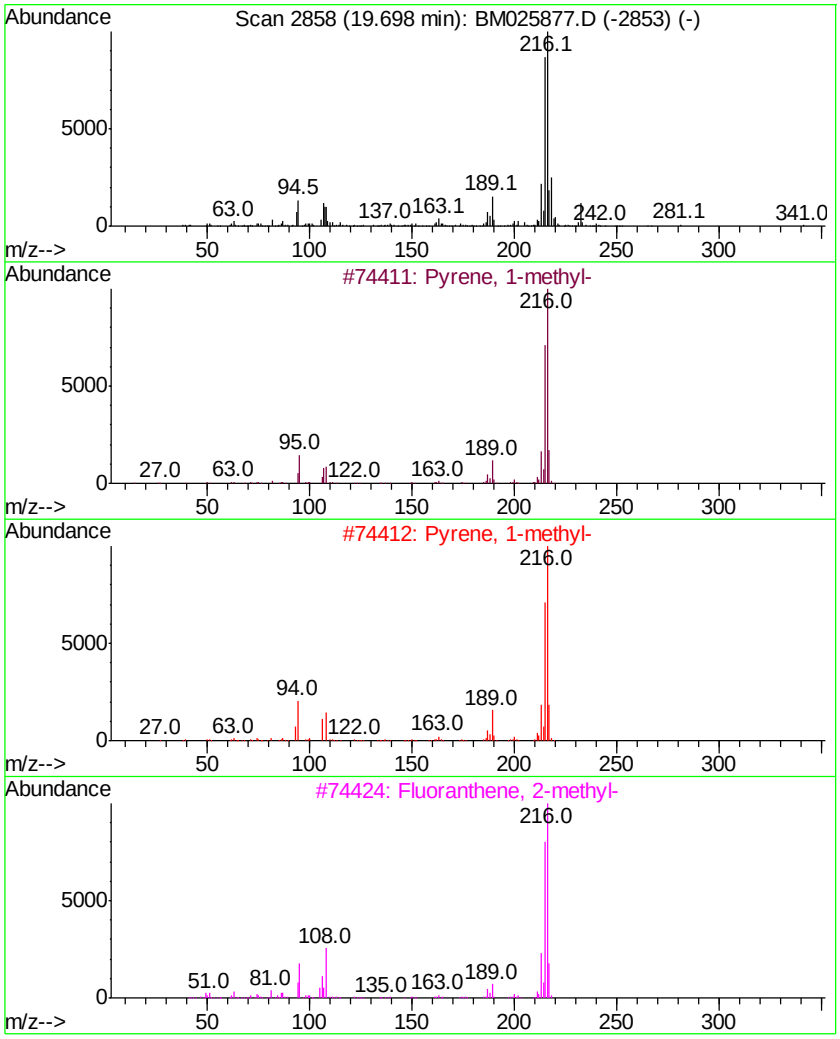
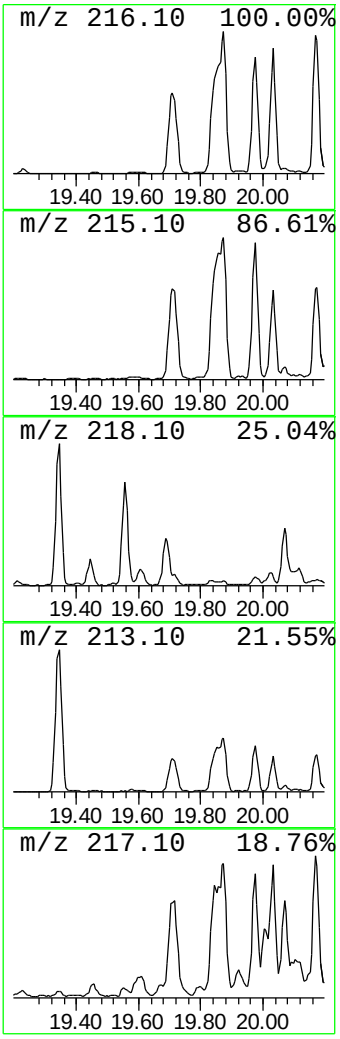
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.01 ng/ul	1469270	Chrysene-d12	21.14

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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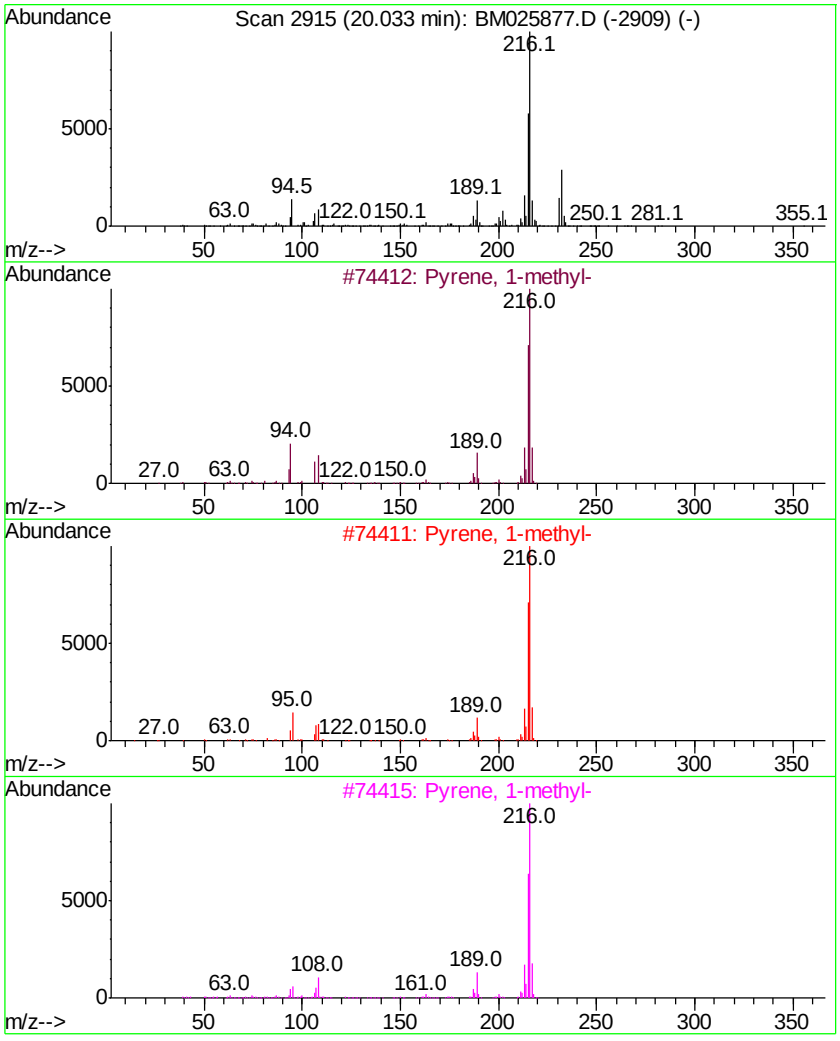
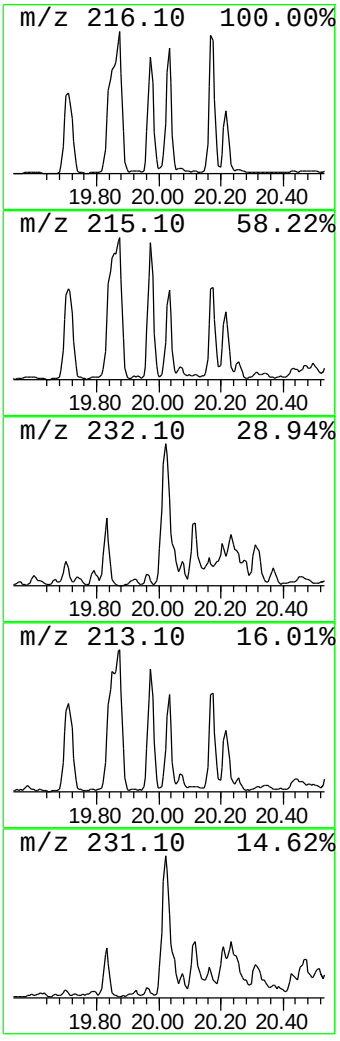
Peak Number 7 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	3.19 ng/ul	1557200	Chrysene-d12	21.14

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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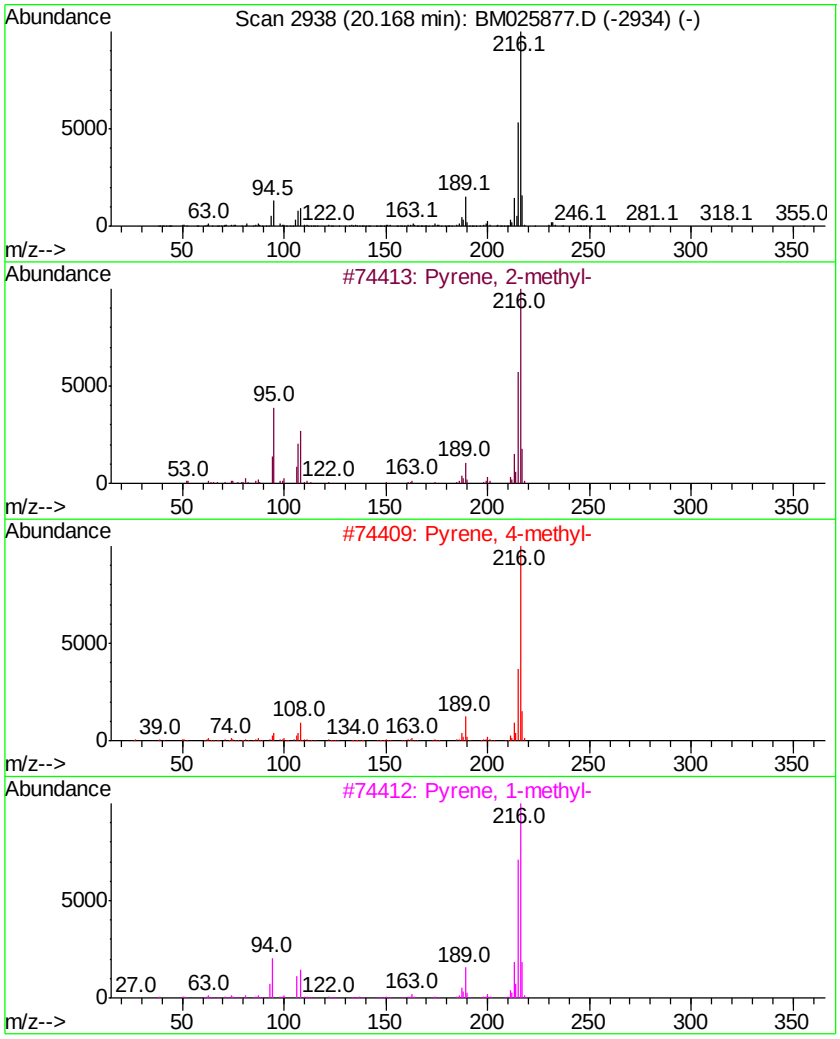
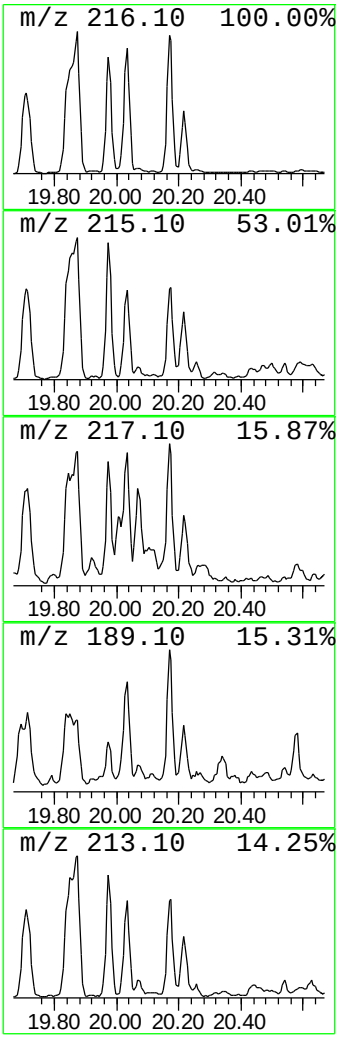
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.16 ng/ul	1053970	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Library Search Compound Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

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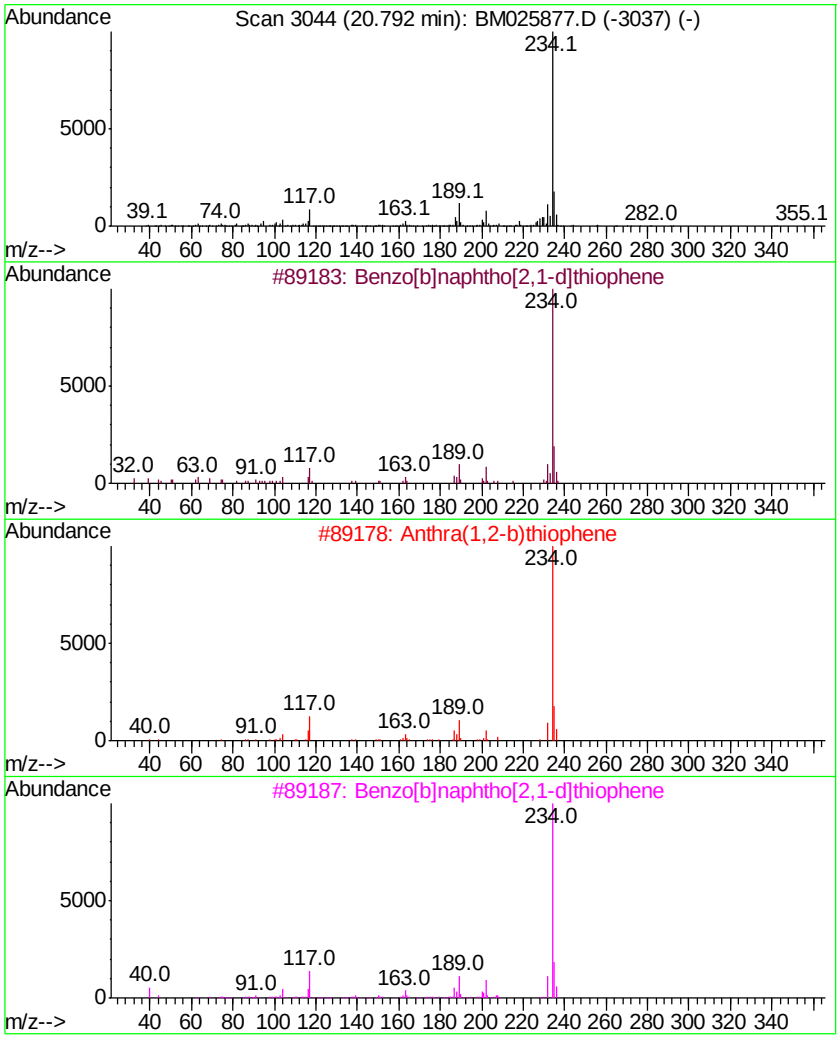
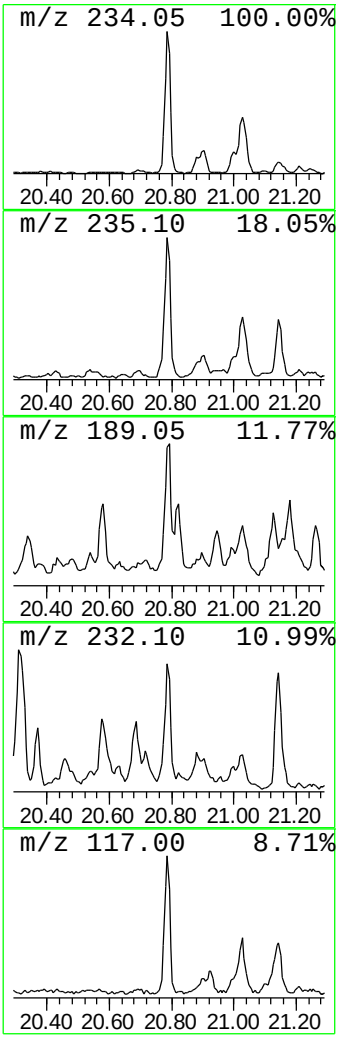
Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.58 ng/ul	1260170	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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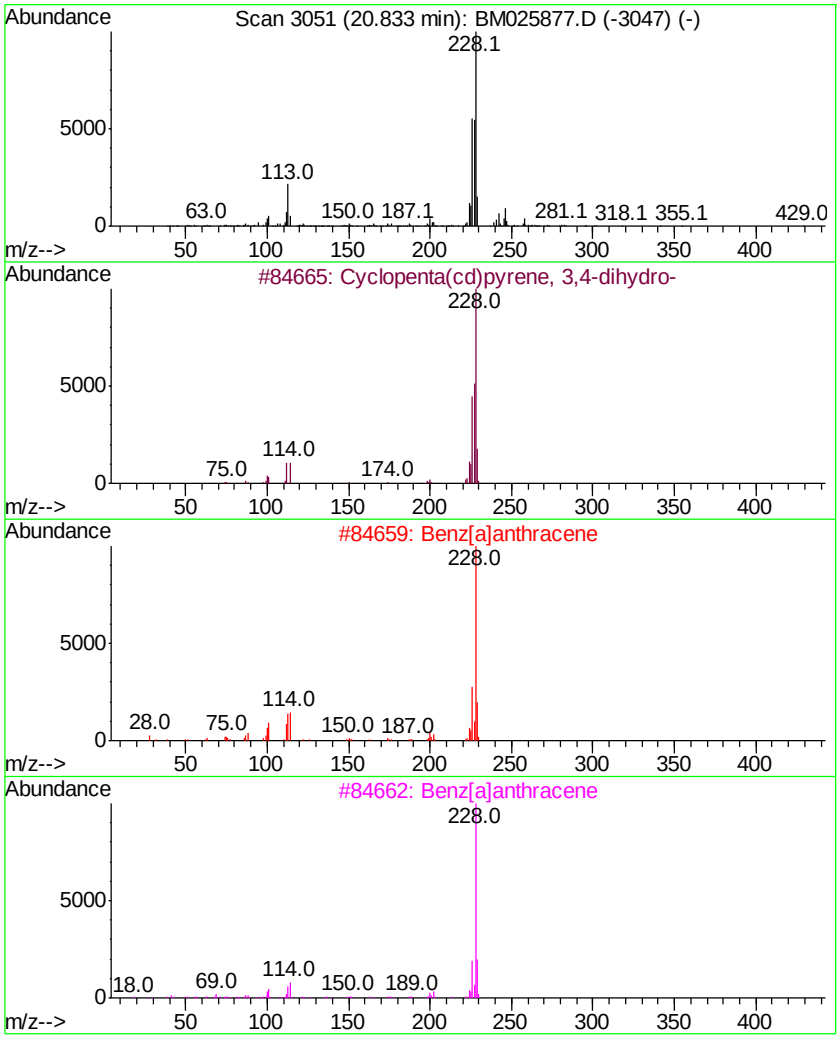
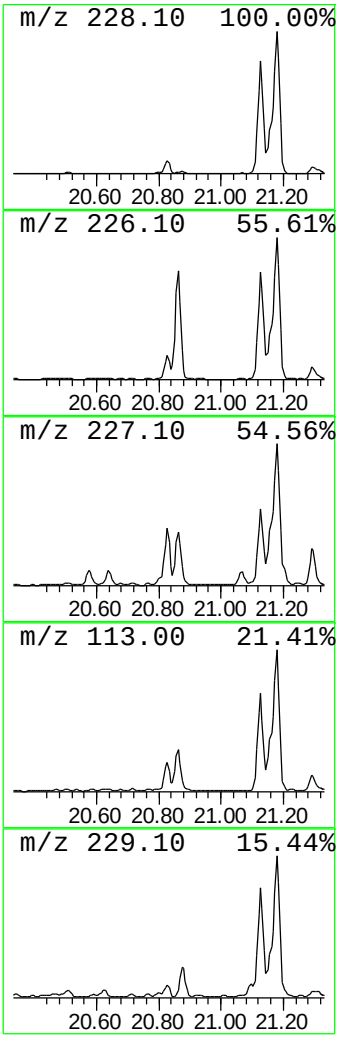
Peak Number 10 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.28 ng/ul	1112200	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benz[a]anthracene	228	C18H12	000056-55-3	50
3	Benz[a]anthracene	228	C18H12	000056-55-3	45
4	Chrysene	228	C18H12	000218-01-9	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	42





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Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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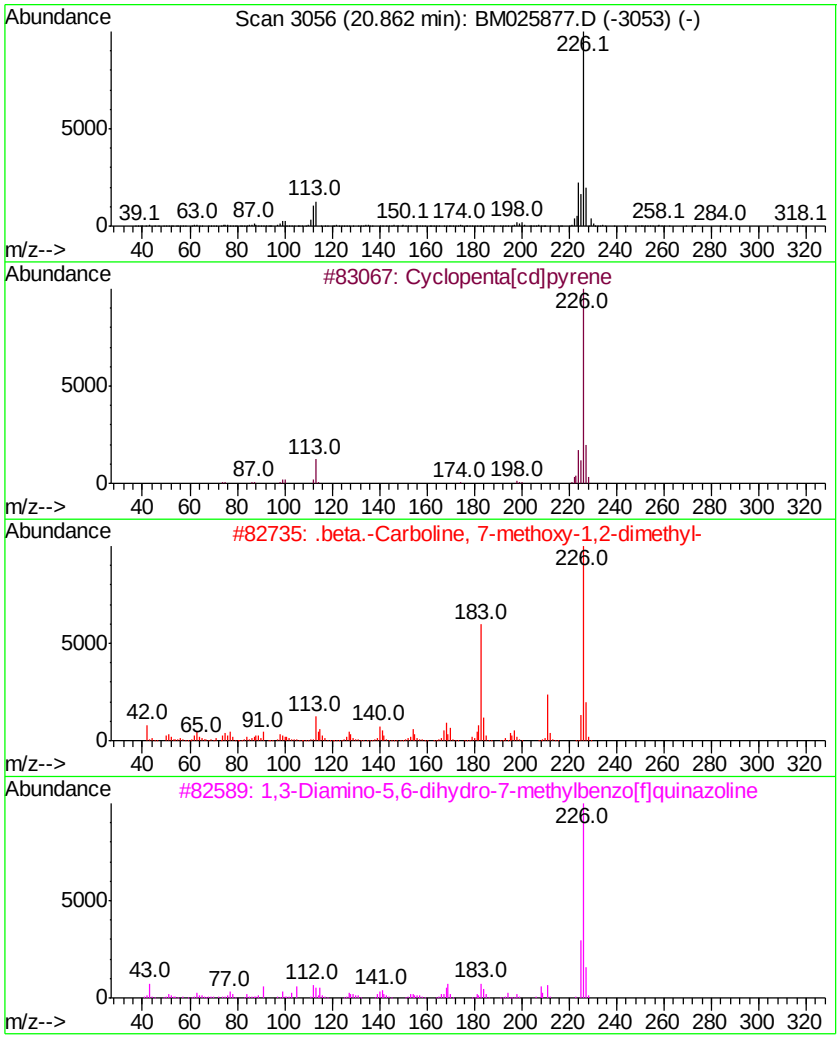
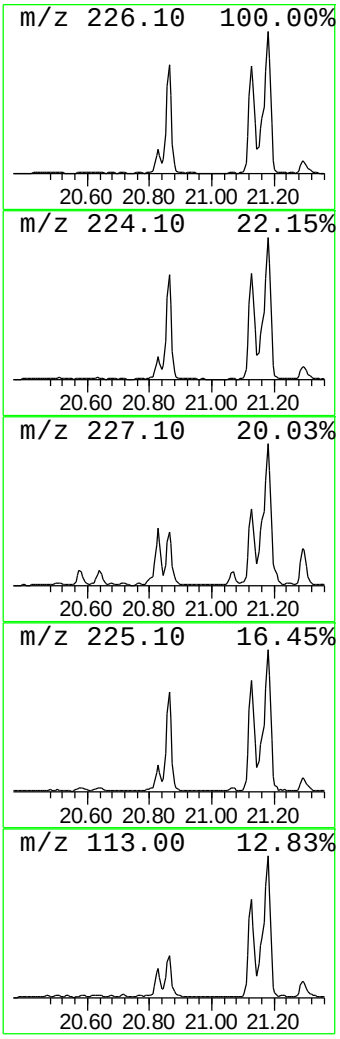
Peak Number 11 Cyclopenta[cd]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	5.60 ng/ul	2737050	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	33
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	33





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Sample : L2062-07
Misc :
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Instrument : BNA_M
ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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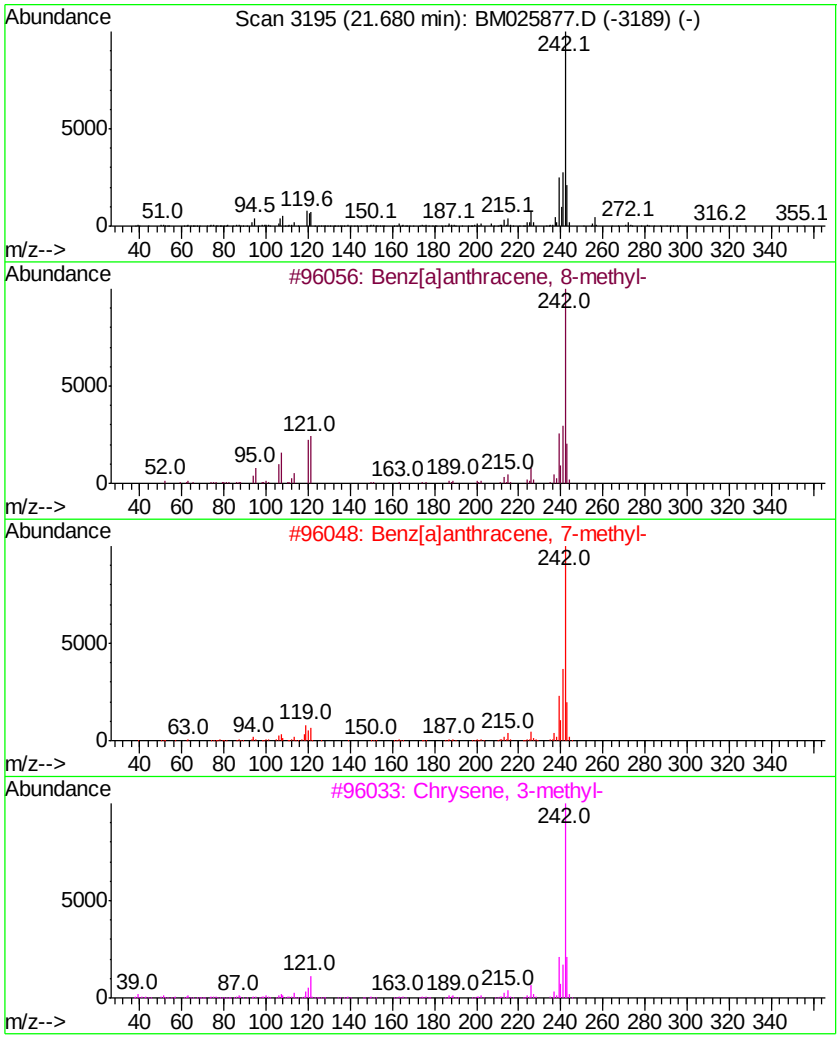
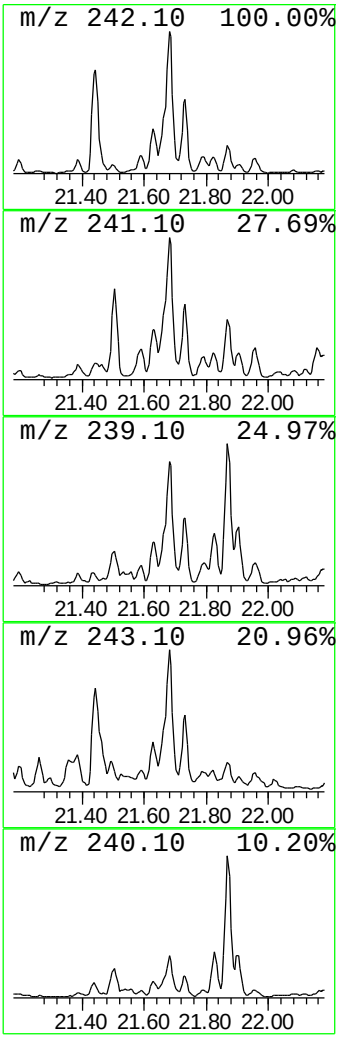
Peak Number 12 Benz[a]anthracene, 8-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	3.01 ng/ul	1468520	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





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ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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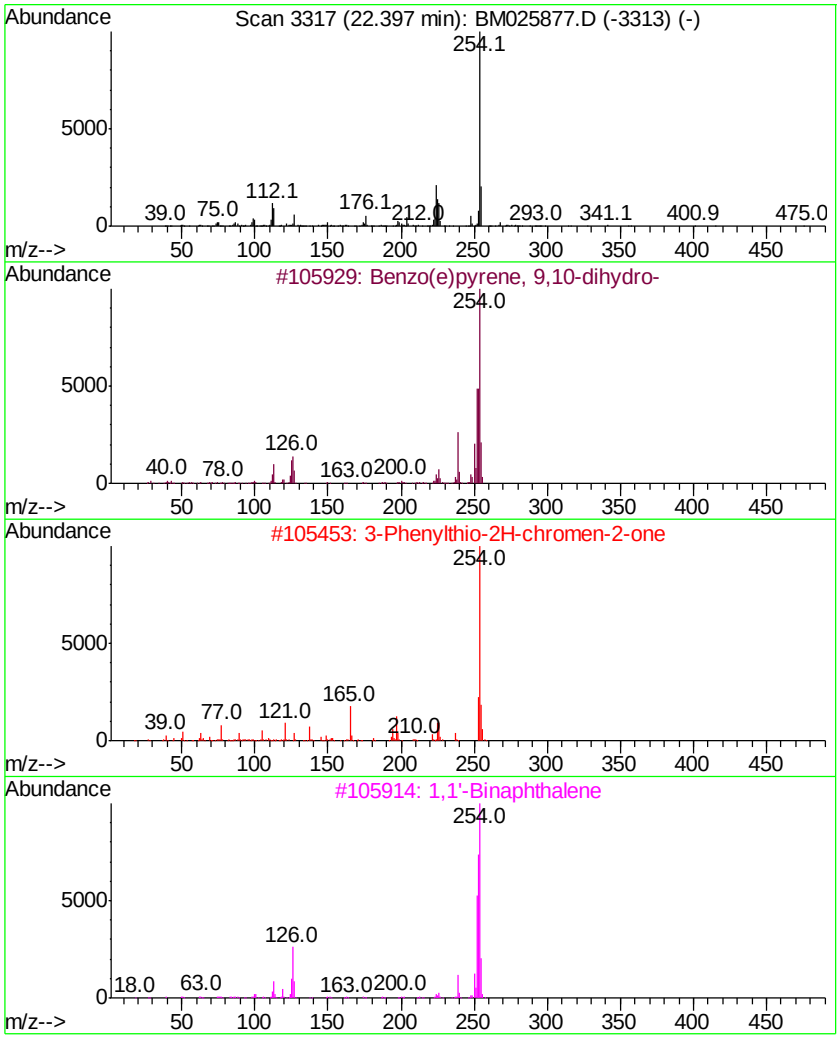
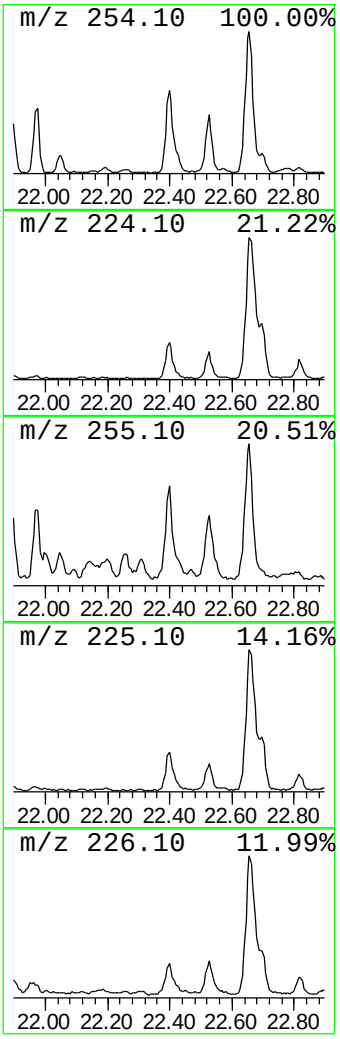
Peak Number 13 Benzo(e)pyrene, 9,10-dihydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	5.61 ng/ul	880855	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	59
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	53
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
4	Phenol, 5-amino-2-(5,7-dimethyl-...	254	C15H14N2O2	1000338-06-4	53
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	53





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ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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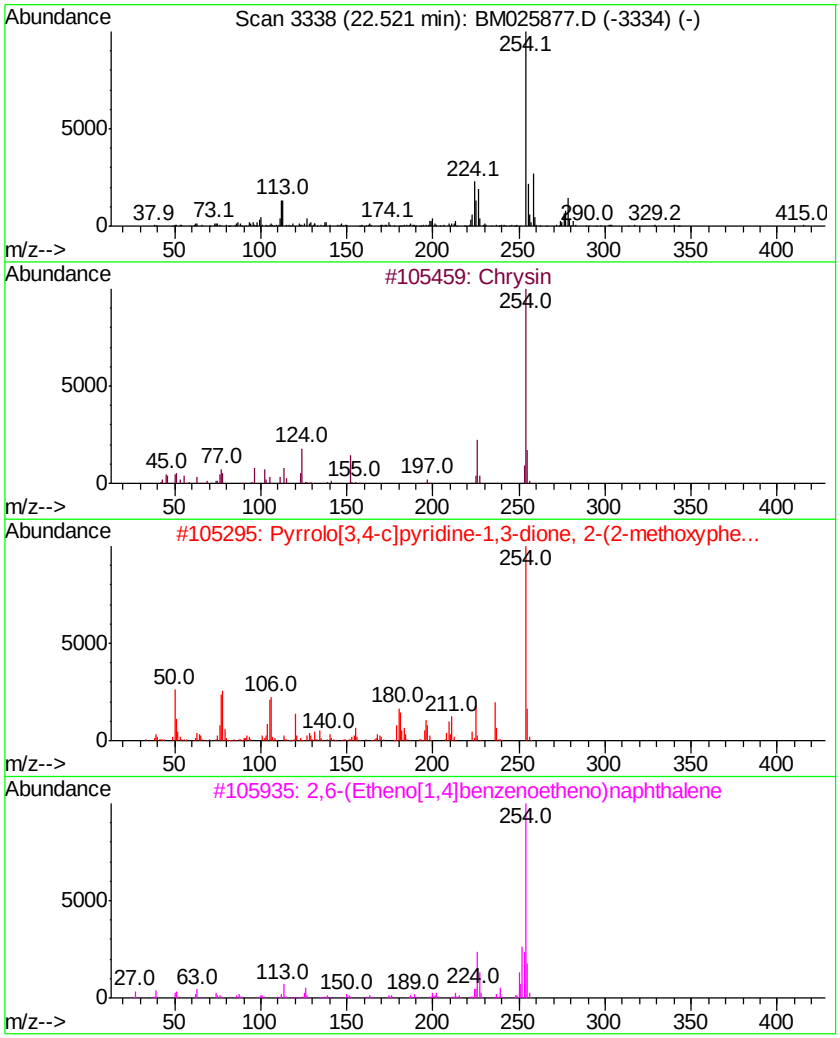
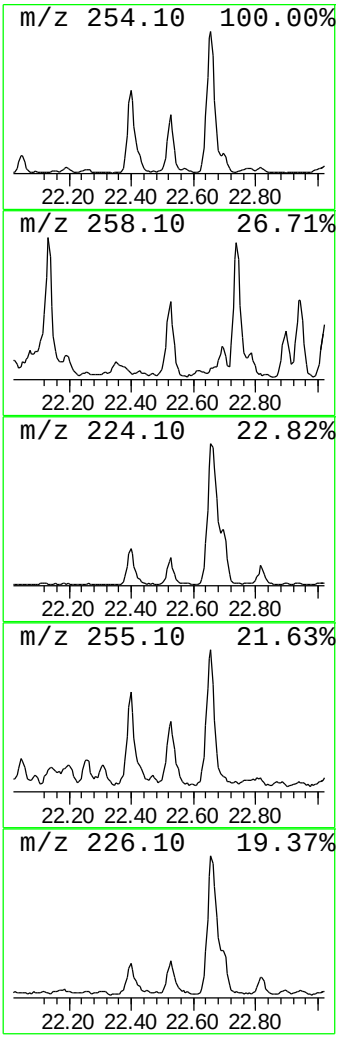
Peak Number 14 Chrysin Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	3.37 ng/ul	529493	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	52
2	Pyrrolo[3,4-c]pyridine-1,3-dione...	254	C14H10N2O3	1000316-41-8	43
3	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	43
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	43
5	Chrysin	254	C15H10O4	000480-40-0	43





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : F3E06

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Quant Title : SVOA CALIBRATION

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

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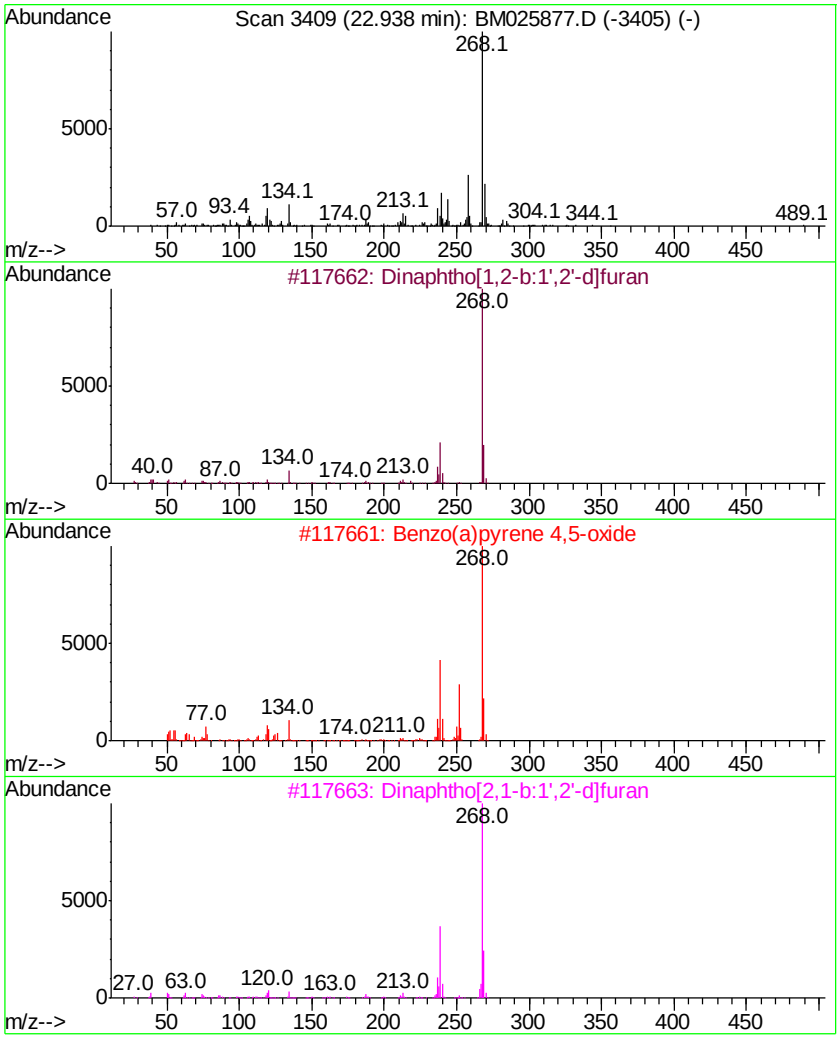
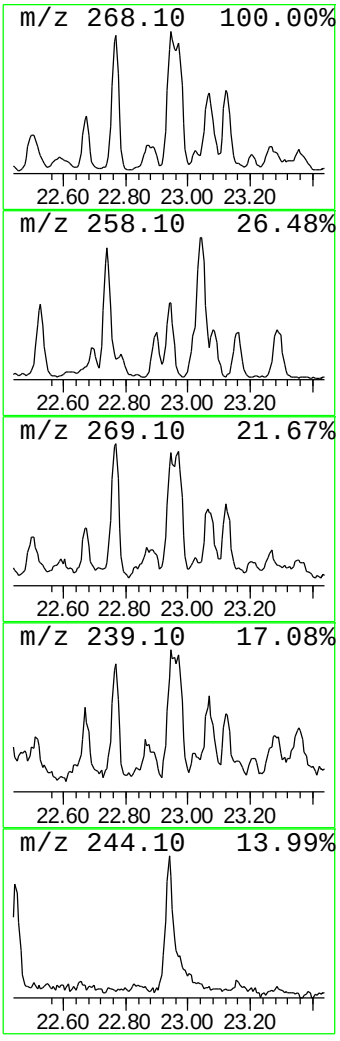
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	5.24 ng/ul	822551	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	50





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Quant Title : SVOA CALIBRATION

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

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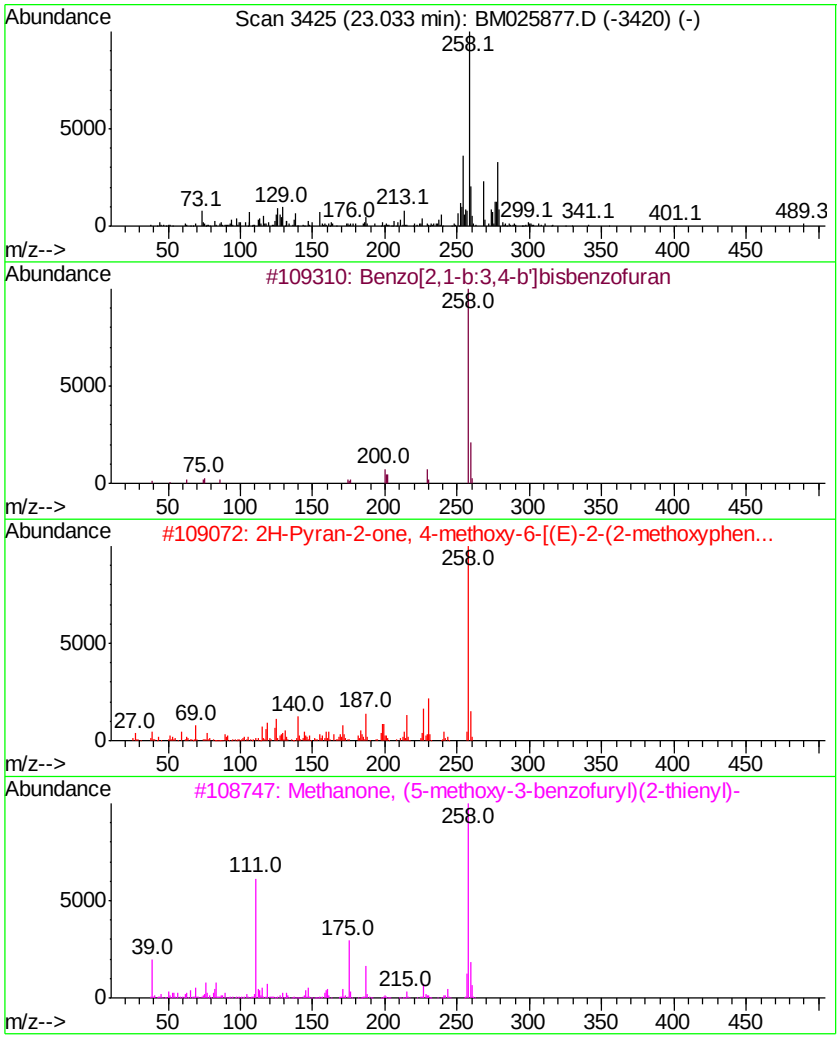
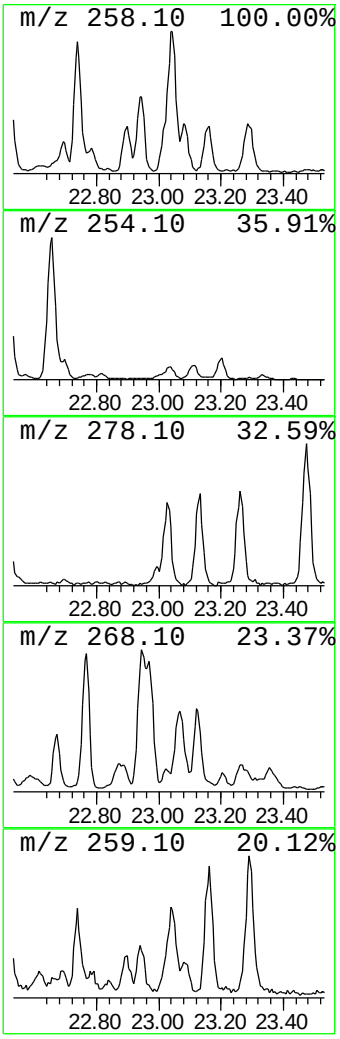
Peak Number 17 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	4.49 ng/ul	704761	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[2,1-b:3,4-b']bisbenzofuran	258	C18H10O2	000222-23-1	18
2	2H-Pyran-2-one, 4-methoxy-6-[(E)...	258	C15H14O4	013709-16-5	18
3	Methanone, (5-methoxy-3-benzofur...	258	C14H10O3S	310456-37-2	18
4	9H-Xanthen-9-one, 1,3,6-trihydro...	258	C14H10O5	020716-98-7	18
5	2-(1-Methyl-1H-indol-3-yl)quinoline	258	C18H14N2	1000326-83-7	18





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

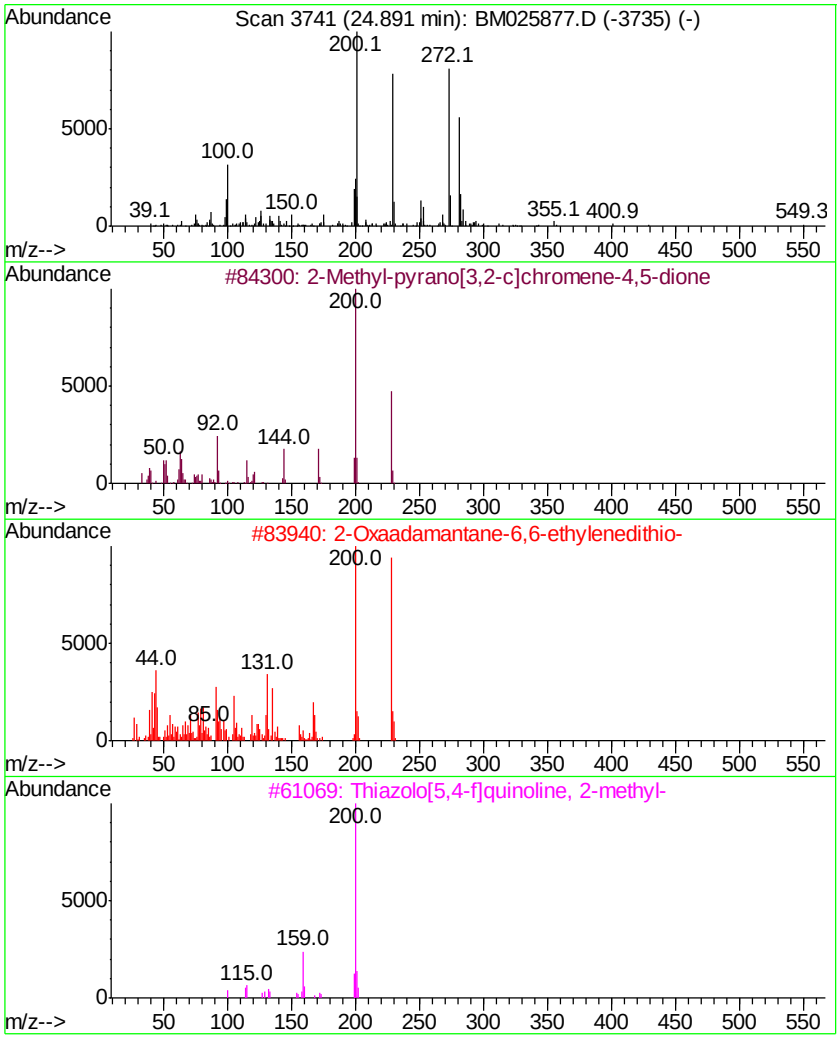
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

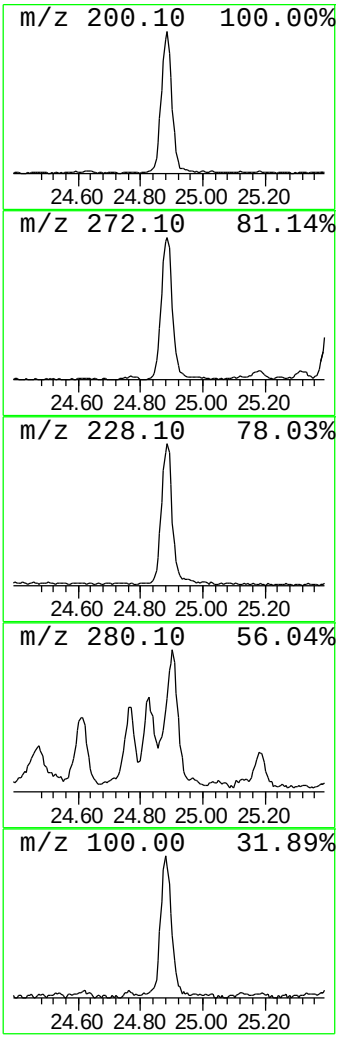
****

Peak Number 18 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.89	5.77 ng/ul	905242	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-pyrano[3,2-c]chromene-4...	228	C13H8O4	1000301-16-7	38
2	2-Oxaadamantane-6,6-ethylenedithio-	228	C11H16OS2	1000188-89-7	35
3	Thiazolo[5,4-f]quinoline, 2-methyl-	200	C11H8N2S	038463-41-1	22
4	1,4-Benzenedicarbonitrile, 2,3,5...	200	C8F4N2	001835-49-0	22
5	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040120\
Data File : BM025877.D
Acq On : 31 Mar 2020 22:15
Operator : CG/JU
Sample : L2062-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F3E06

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Xanthoxylin	15.84	2.9	ng/ul	316966	4	16.94	2199310	20.0
Phenanthrene, 2-m...	17.94	2.6	ng/ul	281137	4	16.94	2199310	20.0
4H-Cyclopenta[def...	18.01	3.6	ng/ul	397101	4	16.94	2199310	20.0
Phenanthrene, 2,5...	18.74	2.5	ng/ul	277755	4	16.94	2199310	20.0
Cyclopenta(def)ph...	18.89	4.9	ng/ul	538782	4	16.94	2199310	20.0
Pyrene, 1-methyl-	19.70	3.0	ng/ul	1469270	5	21.14	9771710	20.0
Pyrene, 2-methyl-	20.03	3.2	ng/ul	1557200	5	21.14	9771710	20.0
11H-Benzo[a]fluorene	20.17	2.2	ng/ul	1053970	5	21.14	9771710	20.0
Benzo[b]naphtho[2...	20.79	2.6	ng/ul	1260170	5	21.14	9771710	20.0
Cyclopenta(cd)pyr...	20.83	2.3	ng/ul	1112200	5	21.14	9771710	20.0
Cyclopenta[cd]pyrene	20.86	5.6	ng/ul	2737050	5	21.14	9771710	20.0
Benz[a]anthracene...	21.68	3.0	ng/ul	1468520	5	21.14	9771710	20.0
Benzo(e)pyrene, 9...	22.40	5.6	ng/ul	880855	6	23.29	3140030	20.0
Chrysin	22.52	3.4	ng/ul	529493	6	23.29	3140030	20.0
Dinaphtho[1,2-b:1...	22.94	5.2	ng/ul	822551	6	23.29	3140030	20.0
unknown-01	23.03	4.5	ng/ul	704761	6	23.29	3140030	20.0
unknown-02	24.89	5.8	ng/ul	905242	6	23.29	3140030	20.0