LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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-BM080720MA.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	6.822	644	652	666	rVB	519629	841313	21.85%	1.232%
2	6.981	673	679	689	rBV	397556	600202	15.58%	0.879%
3	7.181	705	713	722	rBV	546754	848196	22.02%	1.242%
4	7.640	783	791	800	rBV	405873	627494	16.29%	0.919%
5	8.345	904	911	919	rBV	642627	1001585	26.01%	1.467%
6	8.781	978	985	996	rVB	491012	780412	20.26%	1.143%
7	9.498	1100	1107	1116	rVV	401185	637293	16.55%	0.933%
8	10.039	1191	1199	1210	rBV	669645	1124373	29.20%	1.647%
9	10.410	1255	1262	1268	rBV	501234	841787	21.86%	1.233%
10	10.463	1268	1271	1277	rVB	63390	93197	2.42%	0.136%
11	10.545	1277	1285	1295	rBV	566630	940994	24.43%	1.378%
12	12.081	1539	1546	1552	rBV	40533	63592	1.65%	0.093%
13	12.298	1578	1583	1590	rVB2	35262	54548	1.42%	0.080%
14	13.192	1728	1735	1743	rBV2	113633	172674	4.48%	0.253%
15	13.598	1793	1804	1809	rBV2	35793	64062	1.66%	0.094%
16	13.692	1814	1820	1824	rVV	1144333	1589511	41.27%	2.328%
17	13.733	1824	1827	1835	rVV	373304	518306	13.46%	0.759%
18	13.963	1854	1866	1882	rBV	1319309	2092338	54.33%	3.064%
19	14.274	1911	1919	1925	rBV	775814	1135459	29.48%	1.663%
20	14.339	1925	1930	1937	rVB	57346	80857	2.10%	0.118%
21	14.469	1946	1952	1963	rBV	471726	708233	18.39%	1.037%
22	14.674	1982	1987	1996	rVB	115571	181634	4.72%	0.266%
23	15.269	2082	2088	2094	rBV	1658561	2308419	59.94%	3.381%
24	15.321	2094	2097	2102	rVB	82022	113252	2.94%	0.166%
25	15.386	2102	2108	2116	rBV	381328	532061	13.82%	0.779%
26	15.621	2143	2148	2152	rBV	59931	85439	2.22%	0.125%
27	15.769	2168	2173	2182	rVB	64984	127000	3.30%	0.186%
28	15.992	2204	2211	2218	rBV7	24690	57977	1.51%	0.085%
29	16.339	2266	2270	2274	rVV5	24649	49189	1.28%	0.072%
30	16.563	2304	2308	2311	rVV2	42769	64220	1.67%	0.094%
31	16.604	2311	2315	2318	rVV3	41728	62361	1.62%	0.091%
32	16.668	2322	2326	2335	rVB	232570	344268	8.94%	0.504%
33	16.757	2336	2341	2347	rBV4	42945	93849	2.44%	0.137%
34	16.833	2347	2354	2359	rVB	78787	131945	3.43%	0.193%

LSC Area Percent Report

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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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-BM080720MA.M
Title : SVOA CALIBRATION

35	17.015	2379	2385	2389	rVV	895788	1344501	34.91%	1.969%
36	17.063	2389	2393	2397	rVV	1960346	2714320	70.48%	3.975%
37	17.115	2397	2402	2406	rVV	1864954	2514162	65.28%	3.682%
38	17.151	2406	2408	2413	rVV	216067	243835	6.33%	0.357%
39	17.210	2414	2418	2425	rVB4	45633	79998	2.08%	0.117%
40	17.415	2444	2453	2458	rBV2	165822	293822	7.63%	0.430%
41	17.545	2471	2475	2480	rVB3	42765	52641	1.37%	0.077%
42	17.598	2480	2484	2490	rVB3	51326	70802	1.84%	0.104%
43	17.892	2529	2534	2538	rVV	236207	339834	8.82%	0.498%
44	17.939	2538	2542	2550	rVV	592946	806334	20.94%	1.181%
45	18.021	2550	2556	2560	rVB2	93283	138672	3.60%	0.203%
46	18.086	2561	2567	2571	rBV2	255092	469252	12.18%	0.687%
47	18.121	2571	2573	2578	rVB	153895	199723	5.19%	0.293%
48	18.215	2581	2589	2590	rBV5	21102	53788	1.40%	0.079%
49	18.239	2590	2593	2597	rVB3	36024	51136	1.33%	0.075%
50	18.398	2615	2620	2623	rVV	189852	273154	7.09%	0.400%
51	18.433	2623	2626	2631	rVB	367164	462123	12.00%	0.677%
52	18.651	2659	2663	2667	rVV2	67674	93205	2.42%	0.137%
53	18.698	2668	2671	2674	rVV	55418	71652	1.86%	0.105%
54	18.739	2674	2678	2682	rVB2	60438	79664	2.07%	0.117%
55	18.821	2686	2692	2697	rVV2	201133	344168	8.94%	0.504%
56	18.880	2697	2702	2705	rVV3	98639	183474	4.76%	0.269%
57	18.909	2705	2707	2711	rVV	73888	106578	2.77%	0.156%
58	18.957	2711	2715	2725	rVV2	221615	368333	9.56%	0.539%
59	19.080	2727	2736	2742	rVV	2858629	3741547	97.15%	5.480%
60	19.151	2746	2748	2750	rVV	49684	58438	1.52%	0.086%
61	19.180	2751	2753	2757	rVV2	61704	85128	2.21%	0.125%
62	19.227	2757	2761	2765	rVV2	150841	213414	5.54%	0.313%
63	19.280	2765	2770	2773	rVV	97069	174817	4.54%	0.256%
64	19.321	2775	2777	2787	rVV3	91995	198186	5.15%	0.290%
65	19.415	2787	2793	2796	rVV	2559464	3786884	98.33%	5.546%
66	19.445	2796	2798	2806	rVV	2398170	2729527	70.88%	3.998%
67	19.521	2807	2811	2818	rVB2	121942	222704	5.78%	0.326%
68	19.627	2825	2829	2834	rBV	157083	207591	5.39%	0.304%
69	19.686	2835	2839	2845	rVB	113868	188197	4.89%	0.276%
70	19.762	2847	2852	2860	rBV3	213994	585245	15.20%	0.857%
71	19.874	2866	2871	2872	rBV5	37417	54669	1.42%	0.080%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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-BM080720MA.M
Title : SVOA CALIBRATION

72	19.909	2873	2877	2879	rVV3	151245	243918	6.33%	0.357%
73	19.945	2880	2883	2888	rVB	268345	365323	9.49%	0.535%
74	20.045	2896	2900	2904	rBV	158096	190201	4.94%	0.279%
75	20.098	2904	2909	2915	rVV2	306768	489614	12.71%	0.717%
76	20.186	2921	2924	2929	rBV2	64453	99773	2.59%	0.146%
77	20.245	2930	2934	2937	rVV	138169	175640	4.56%	0.257%
78	20.286	2937	2941	2946	rVV2	127131	192522	5.00%	0.282%
79	20.503	2974	2978	2980	rBV2	68885	96414	2.50%	0.141%
80	20.692	3006	3010	3017	rVB	369731	496734	12.90%	0.728%
81	20.856	3032	3038	3042	rBV2	234181	480452	12.48%	0.704%
82	20.898	3042	3045	3048	rVV	257010	313665	8.14%	0.459%
83	20.951	3048	3054	3058	rVV2	875921	1296392	33.66%	1.899%
84	20.986	3058	3060	3068	rVB	343579	486080	12.62%	0.712%
85	21.203	3092	3097	3102	rBV3	1750817	3418025	88.75%	5.006%
86	21.250	3102	3105	3113	rVB	1444053	1791132	46.51%	2.623%
87	21.368	3122	3125	3127	rBV	95960	126879	3.29%	0.186%
88	21.521	3147	3151	3156	rBV3	214469	351463	9.13%	0.515%
89	21.762	3188	3192	3196	rVB	295571	421443	10.94%	0.617%
90	21.815	3197	3201	3203	rBV2	255128	358975	9.32%	0.526%
91	21.950	3221	3224	3227	rBV	151293	176562	4.58%	0.259%
92	22.762	3356	3362	3379	rVB	1252760	3851163	100.00%	5.641%
93	22.927	3386	3390	3396	rVB	253672	394779	10.25%	0.578%
94	23.227	3436	3441	3445	rBV	647517	1170032	30.38%	1.714%
95	23.274	3445	3449	3453	rVV	1449889	2474288	64.25%	3.624%
96	23.321	3453	3457	3465	rVB	1055879	1837191	47.70%	2.691%
97	23.409	3467	3472	3477	rBV2	715590	1313464	34.11%	1.924%
98	24.056	3578	3582	3590	rVB5	216807	436111	11.32%	0.639%
99	25.609	3839	3846	3855	rVB2	622262	1718971	44.64%	2.518%
100	26.280	3954	3960	3975	rVB2	315951	940039	24.41%	1.377%

Sum of corrected areas: 68276803

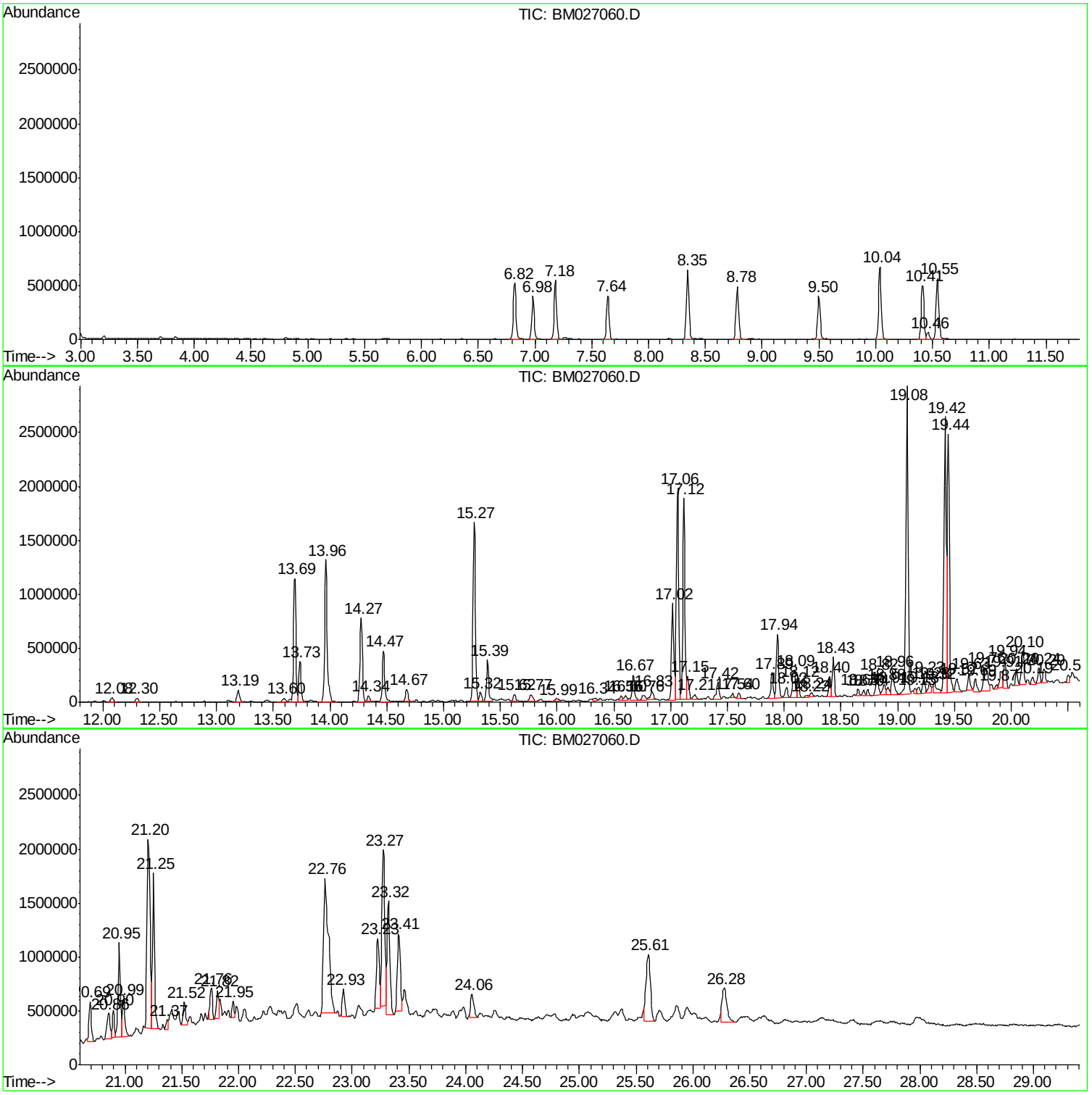
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

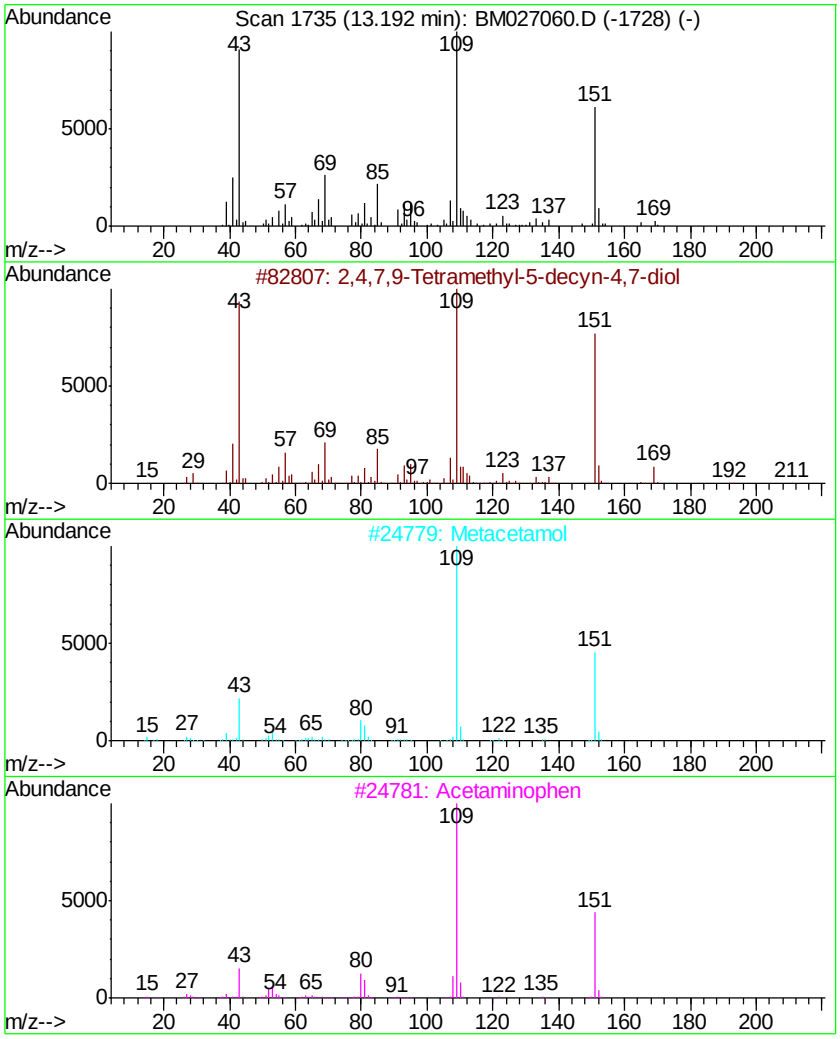
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

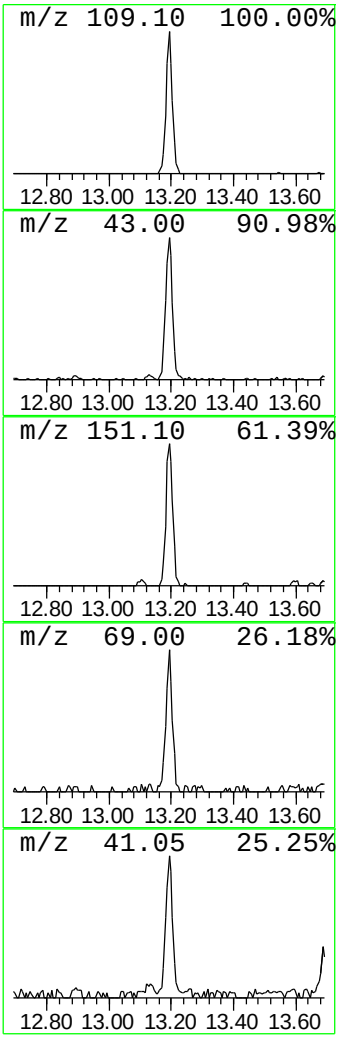
****

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.04 ng/ul	172674	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	Acetaminophen	151	C8H9NO2	000103-90-2	53
4	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	53
5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

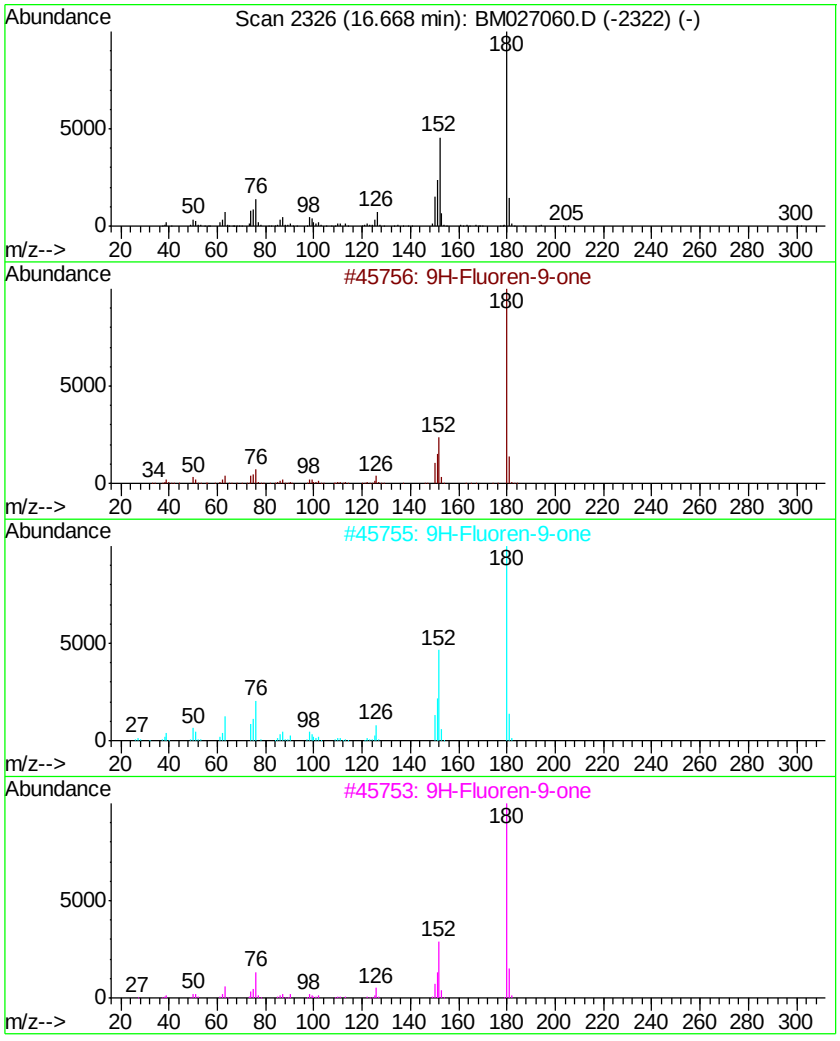
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

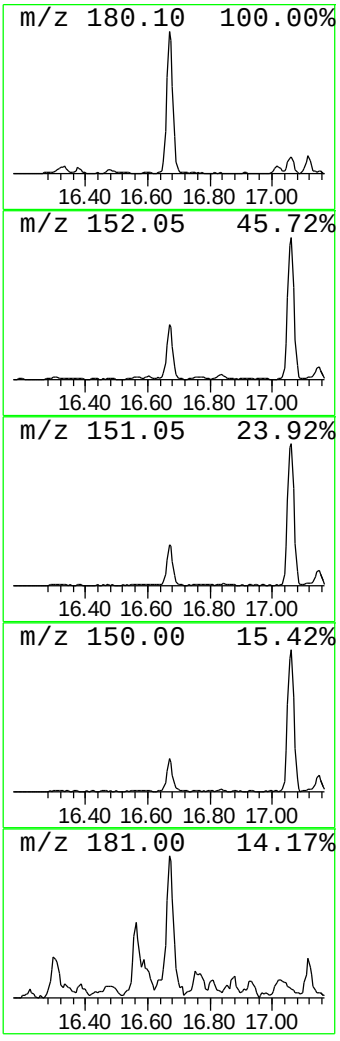
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	5.12 ng/ul	344268	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

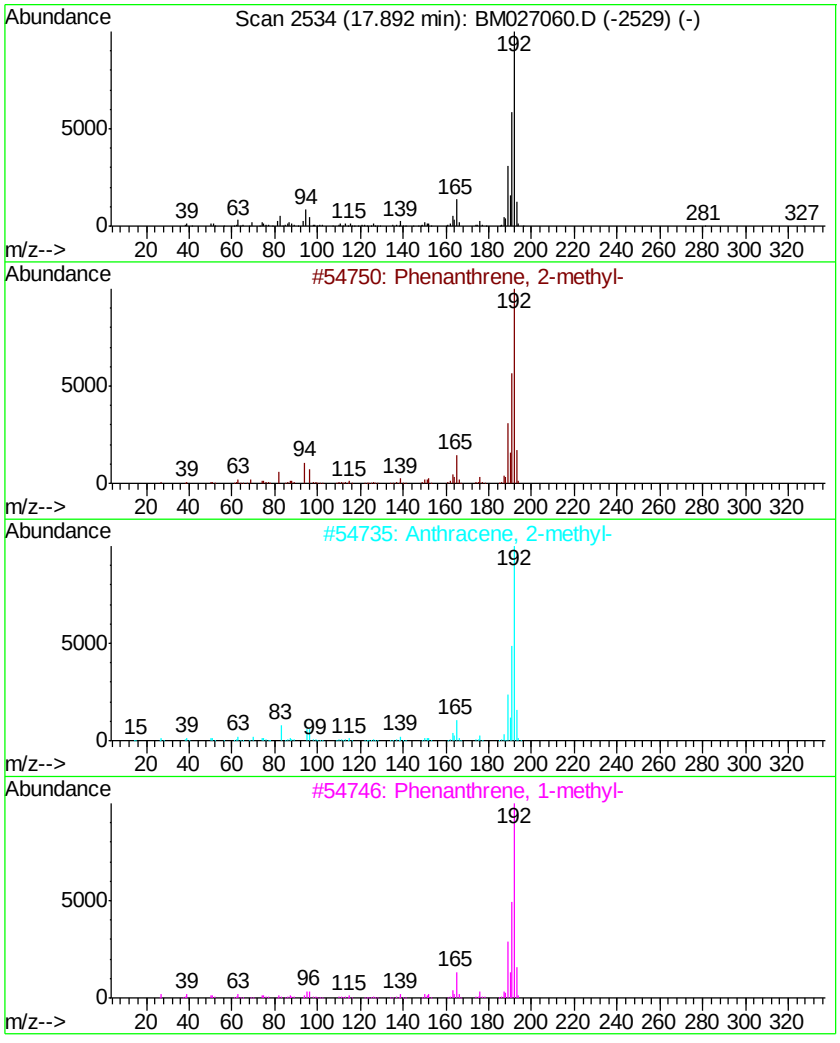
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

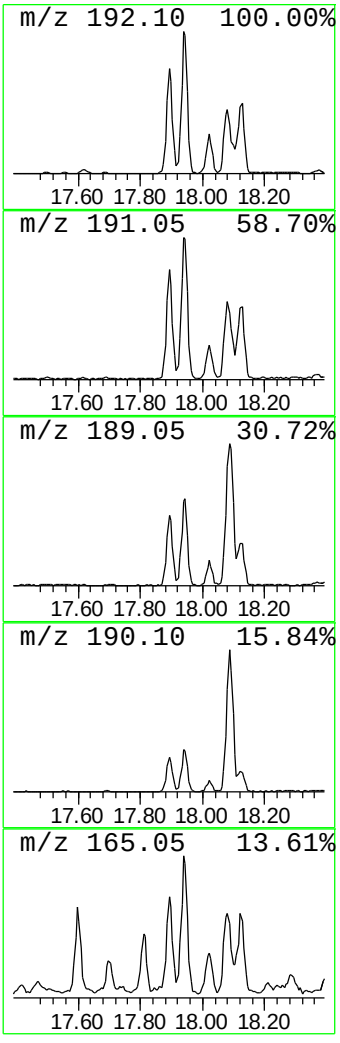
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	5.06 ng/ul	339834	Phenanthrene-d10	17.02

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

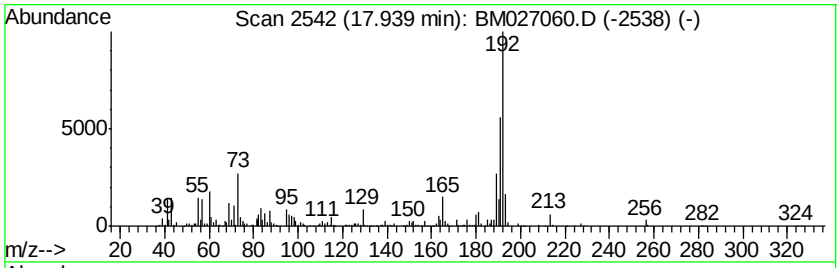
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

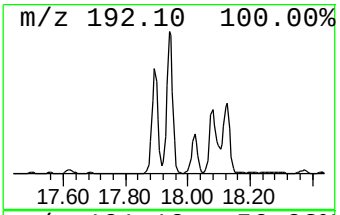
****

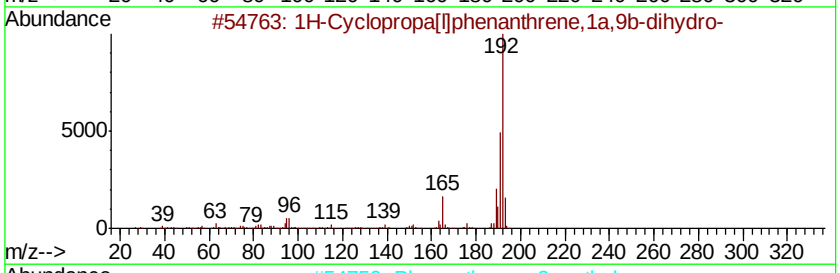
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

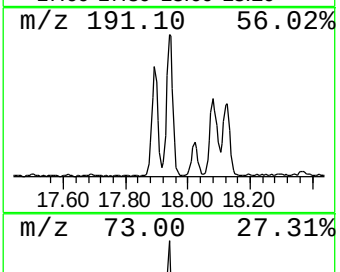
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	11.99 ng/ul	806334	Phenanthrene-d10	17.02

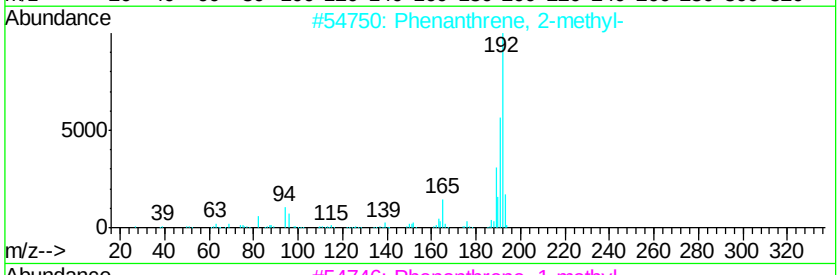
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7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

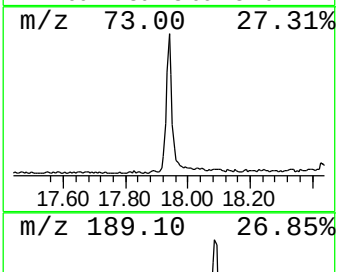


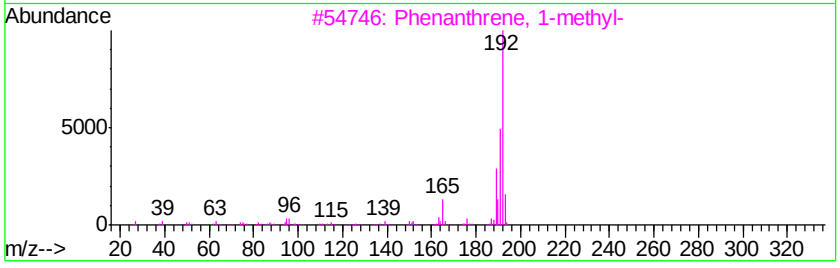


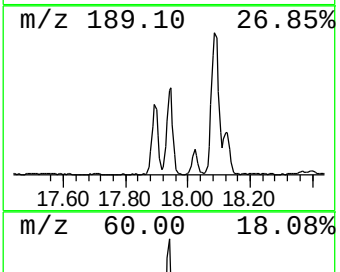


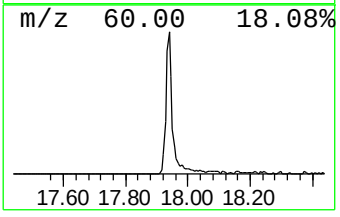












Library Search Compound Report

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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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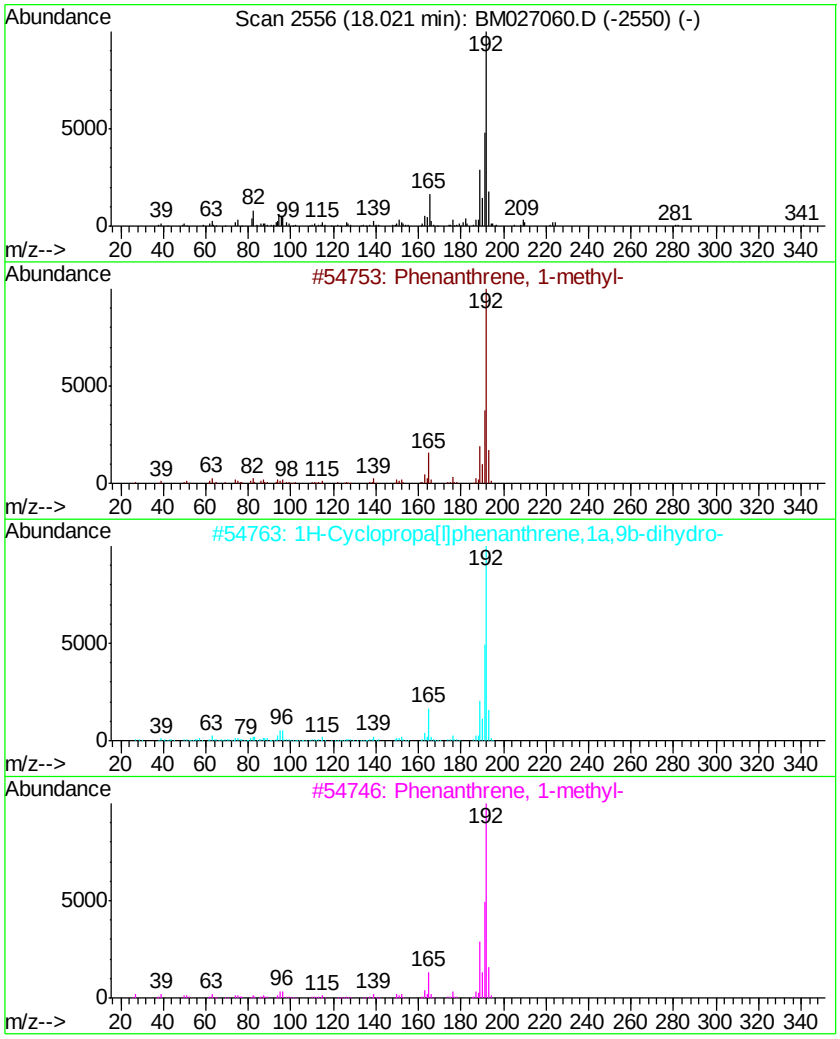
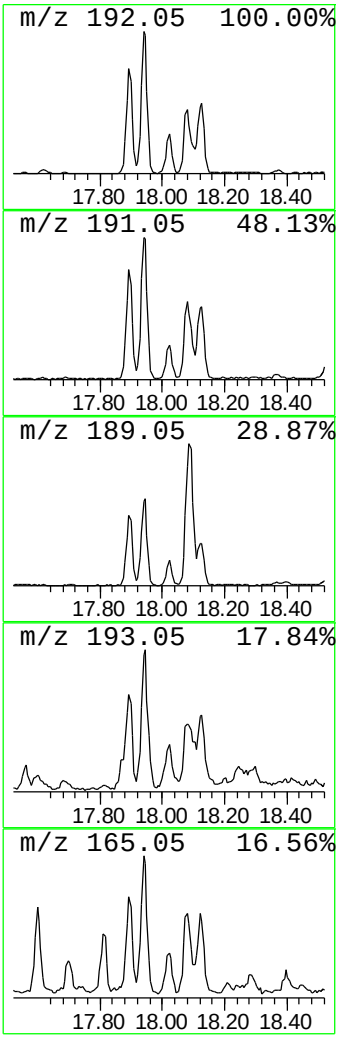
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.06 ng/ul	138672	Phenanthrene-d10	17.02

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





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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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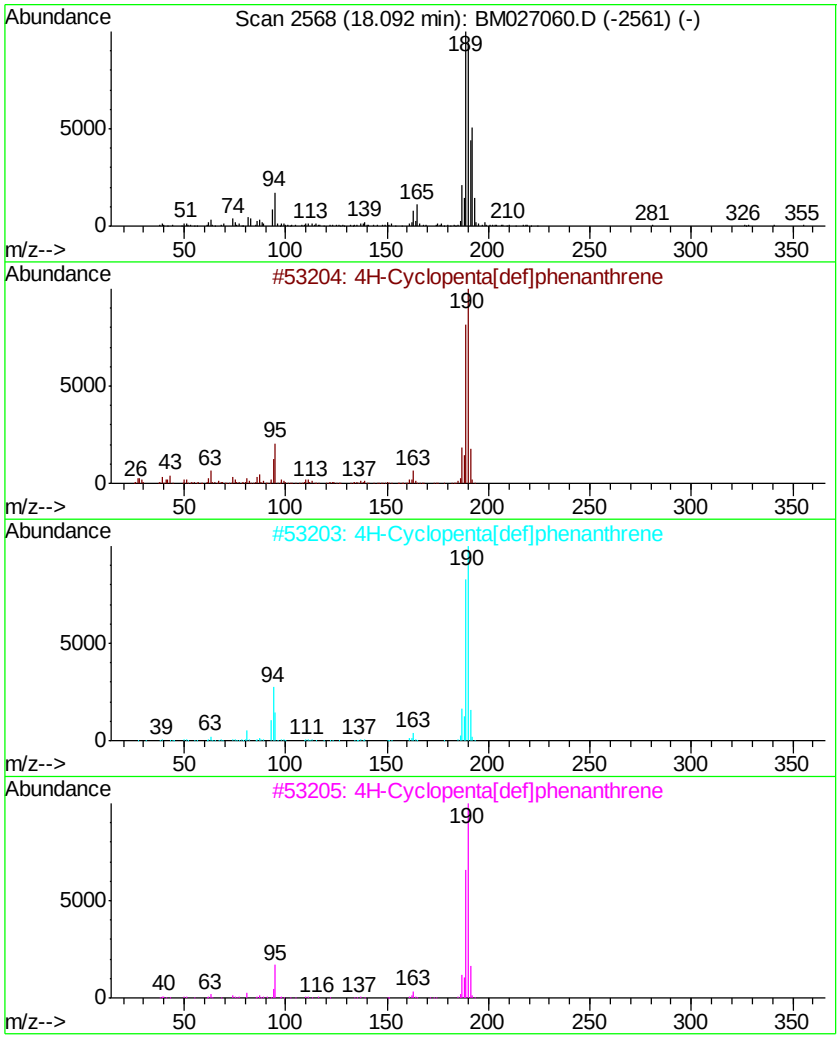
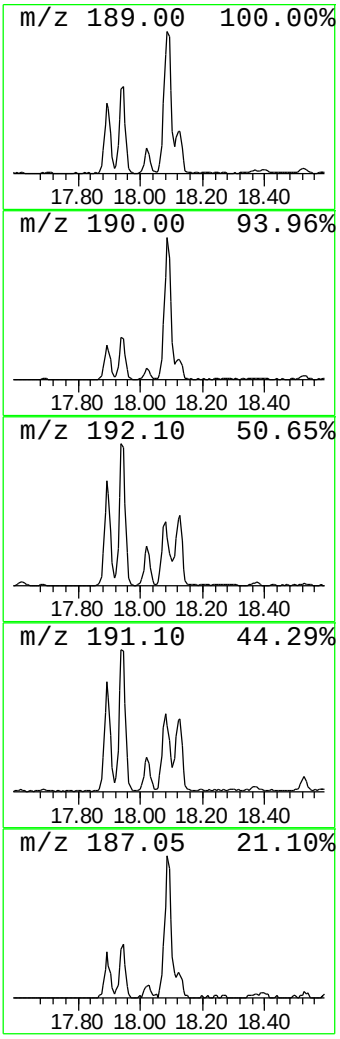
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	6.98 ng/ul	469252	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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Quant Title : SVOA CALIBRATION

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

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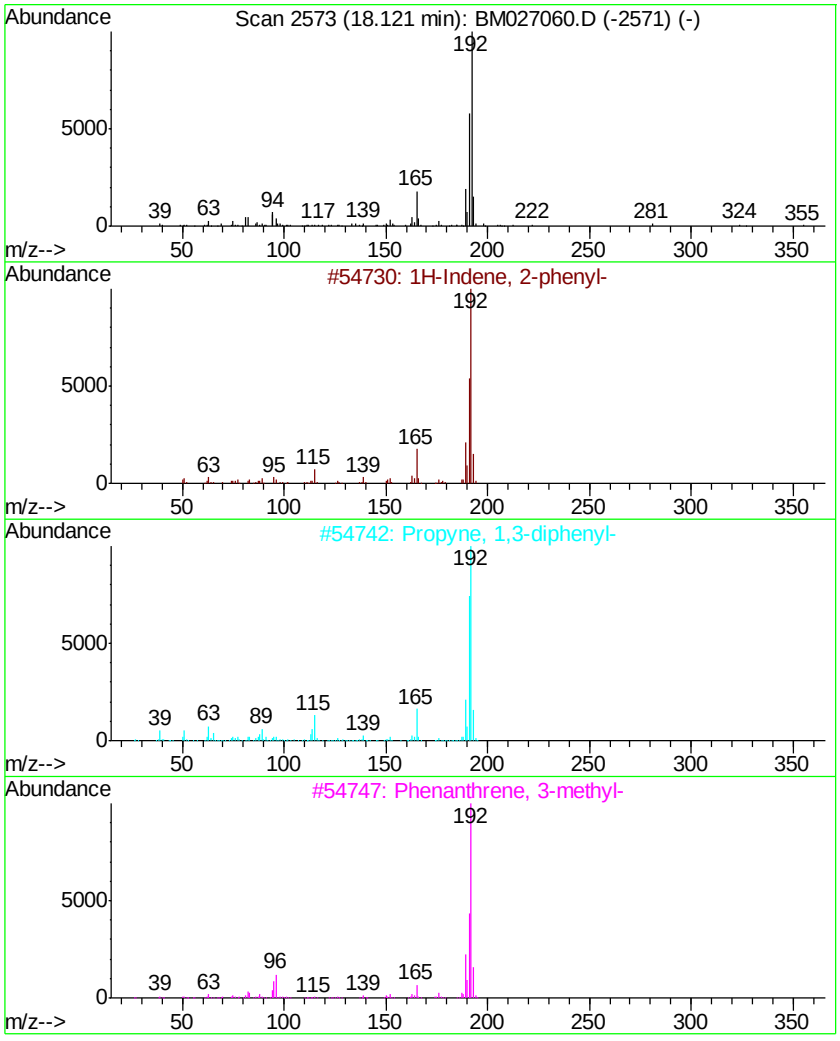
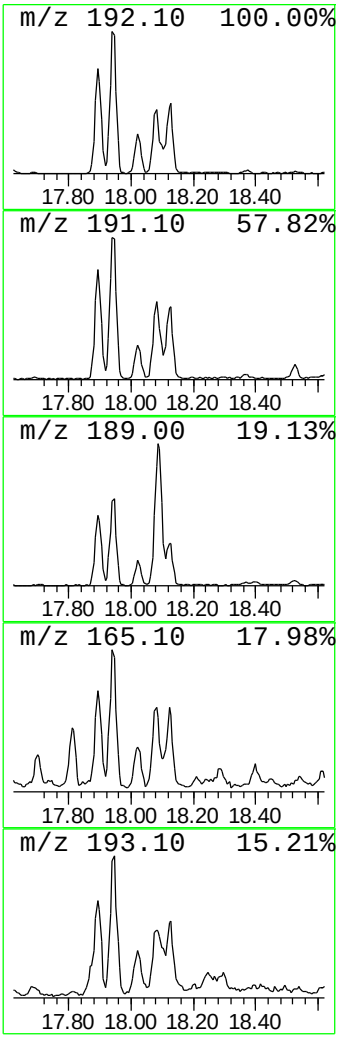
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.97 ng/ul	199723	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	74





Library Search Compound Report

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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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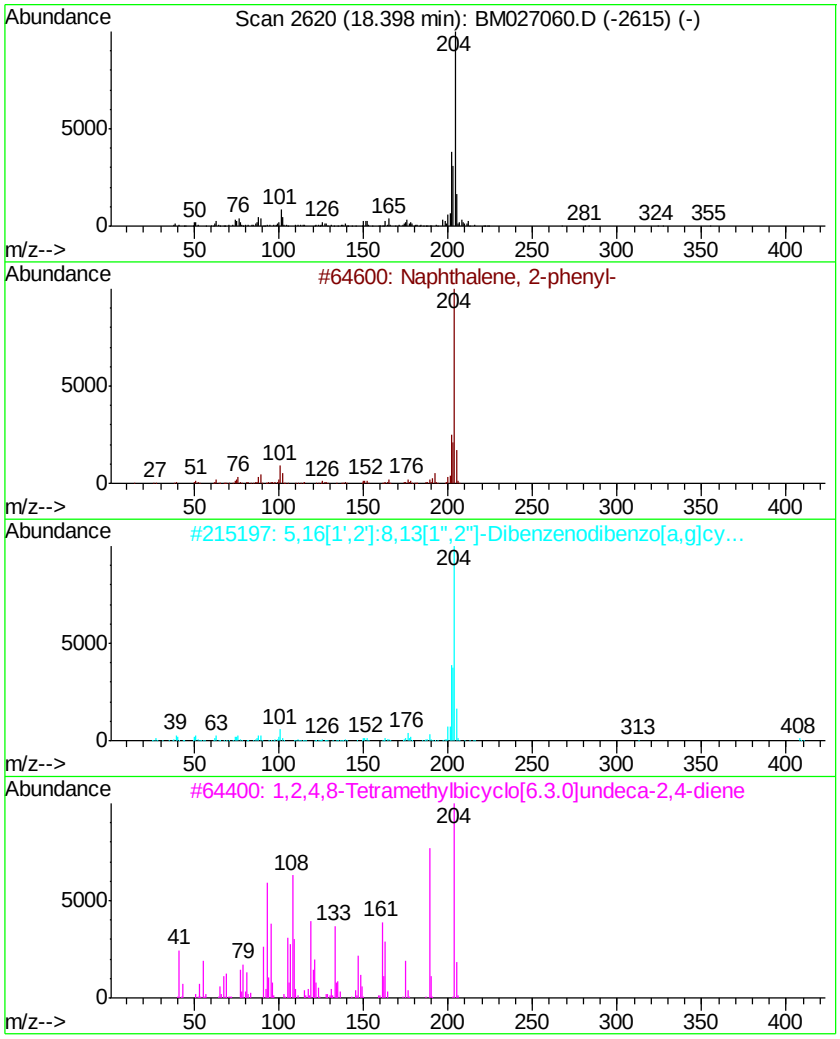
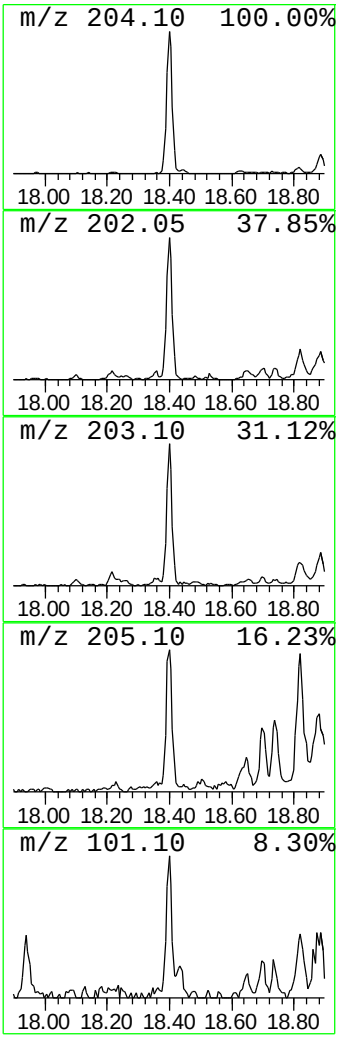
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.06 ng/ul	273154	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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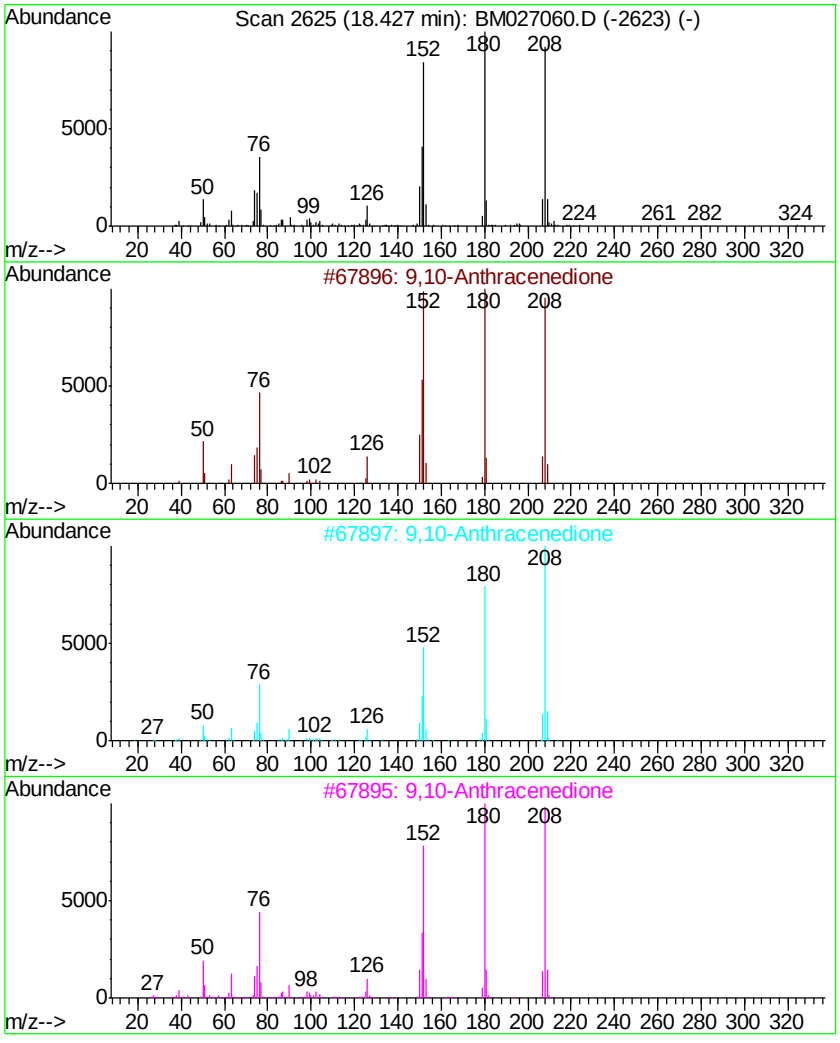
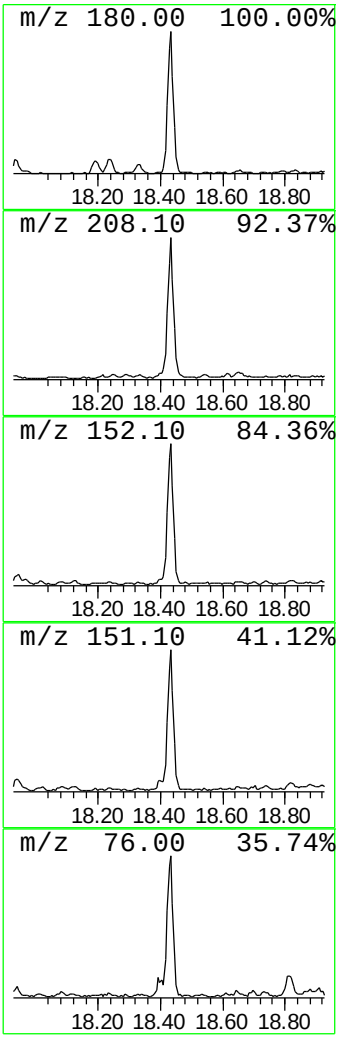
Peak Number 9 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	6.87 ng/ul	462123	Phenanthrene-d10	17.02

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	64





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Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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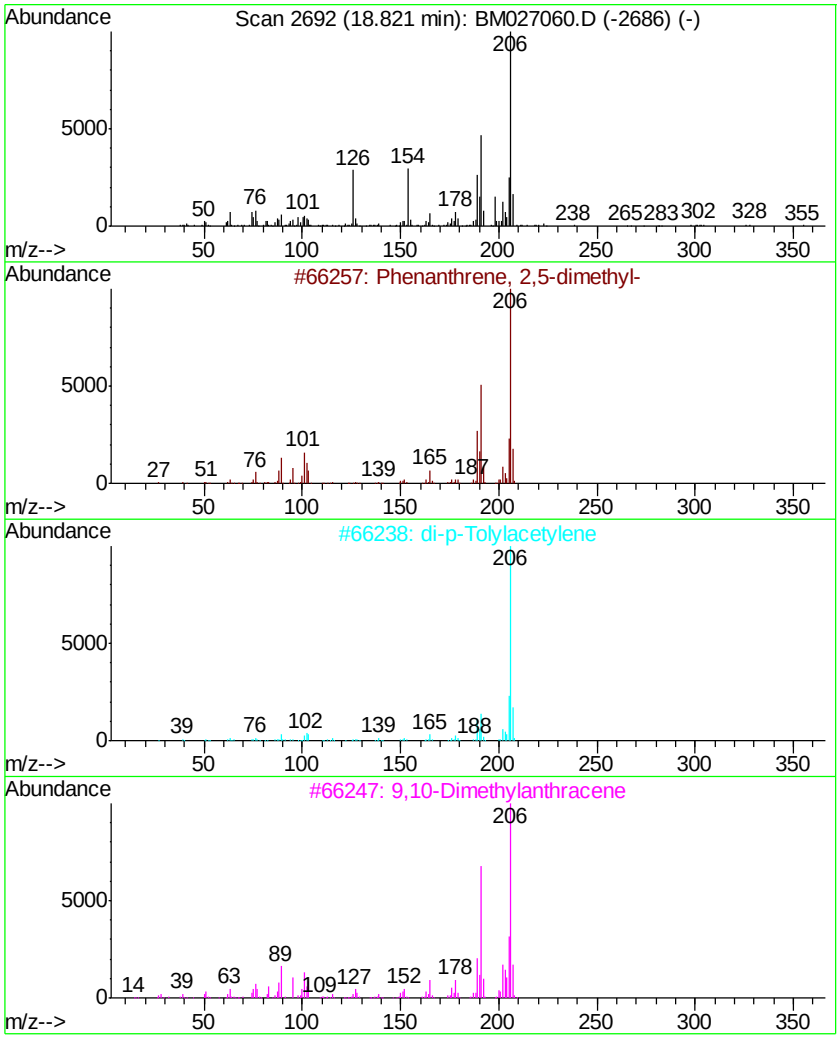
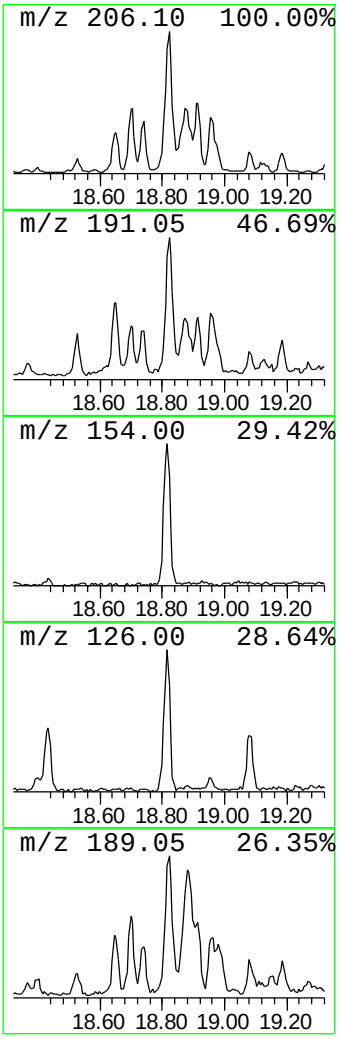
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	5.12 ng/ul	344168	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70





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Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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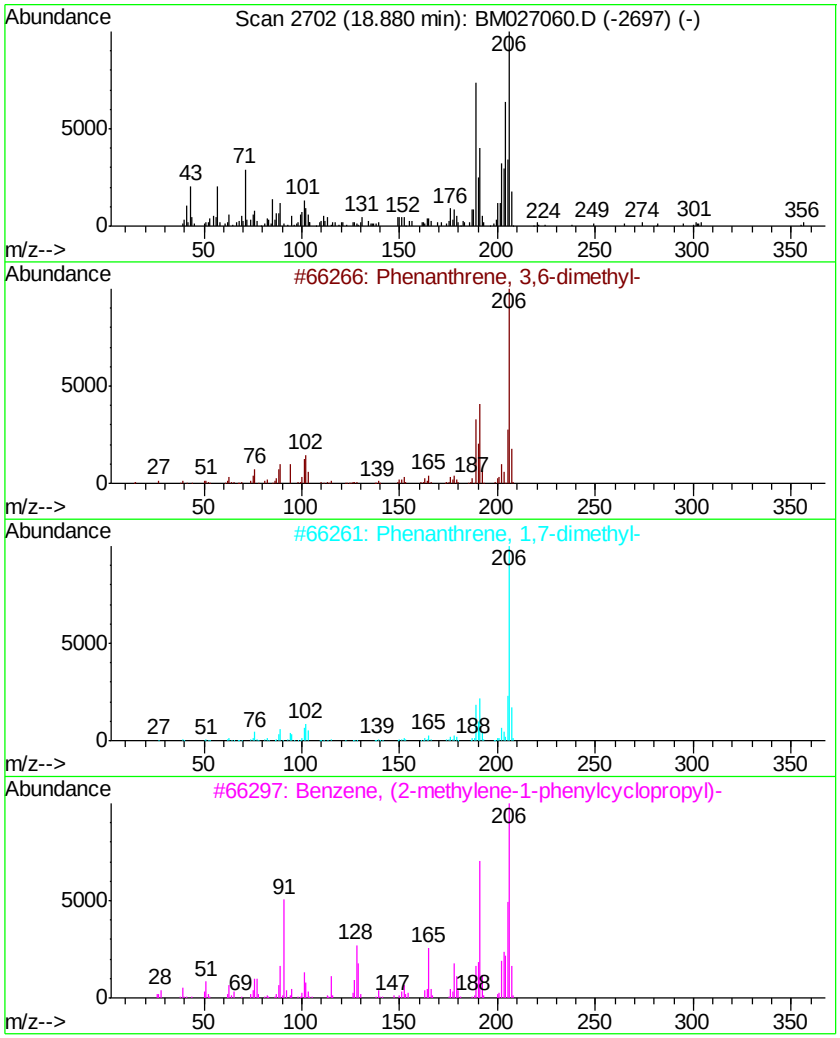
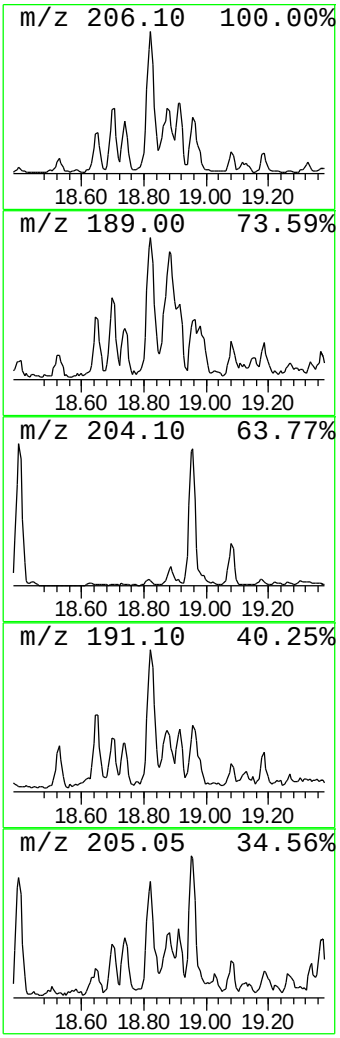
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.73 ng/ul	183474	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
3	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46





Library Search Compound Report

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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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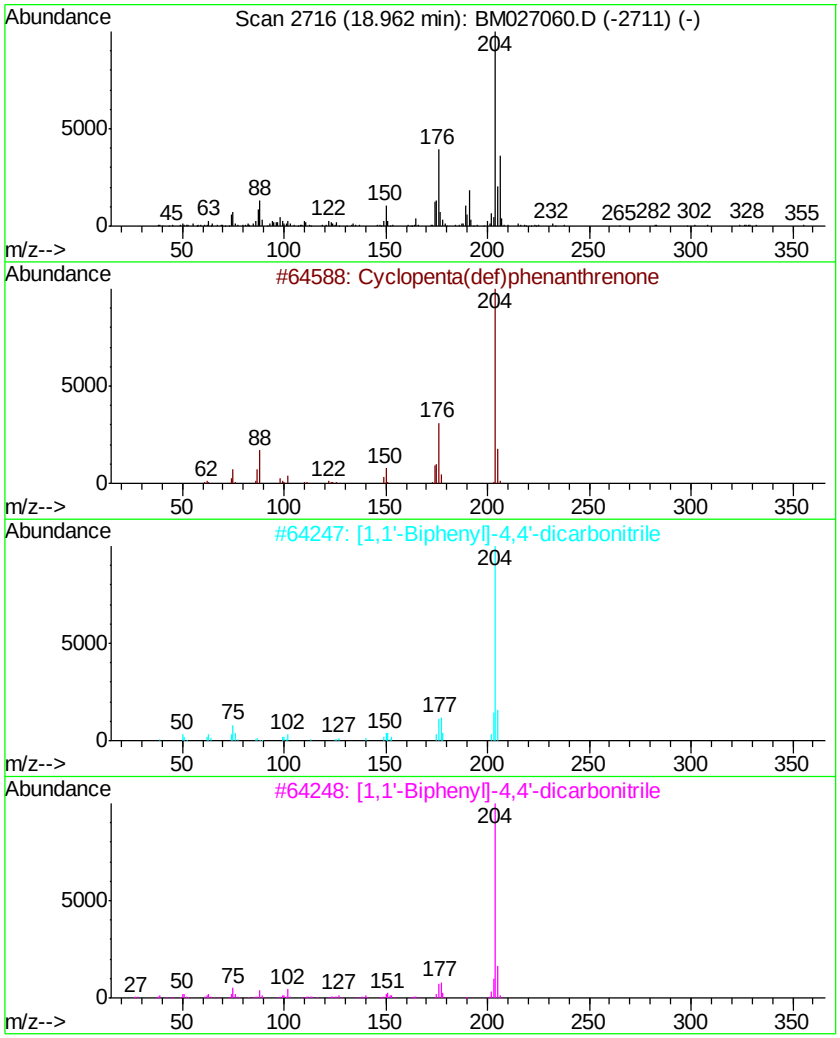
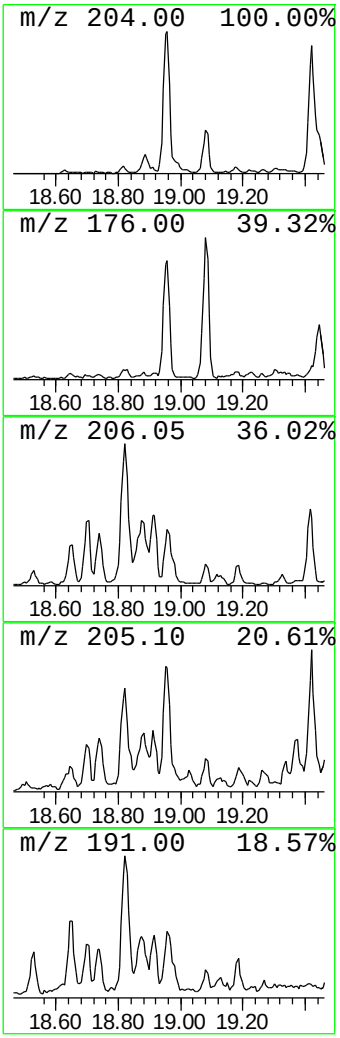
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	5.48 ng/ul	368333	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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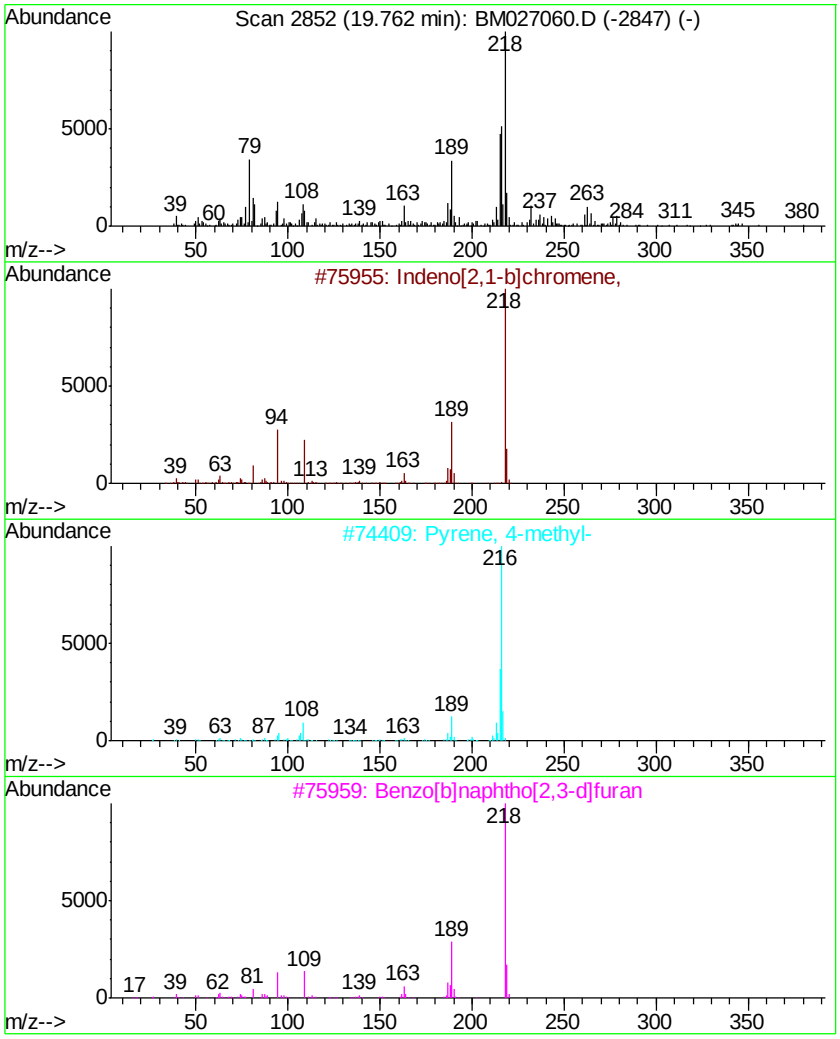
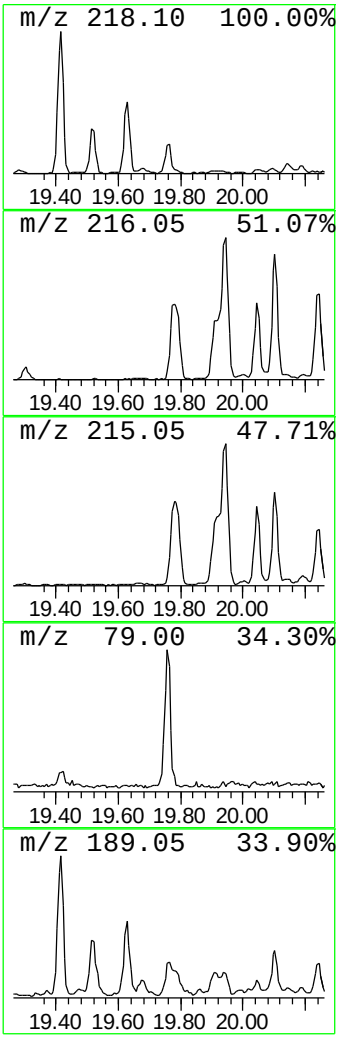
Peak Number 13 Indeno[2,1-b]chromene, Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.42 ng/ul	585245	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	83
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	62
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	52
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





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Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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Quant Title : SVOA CALIBRATION

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

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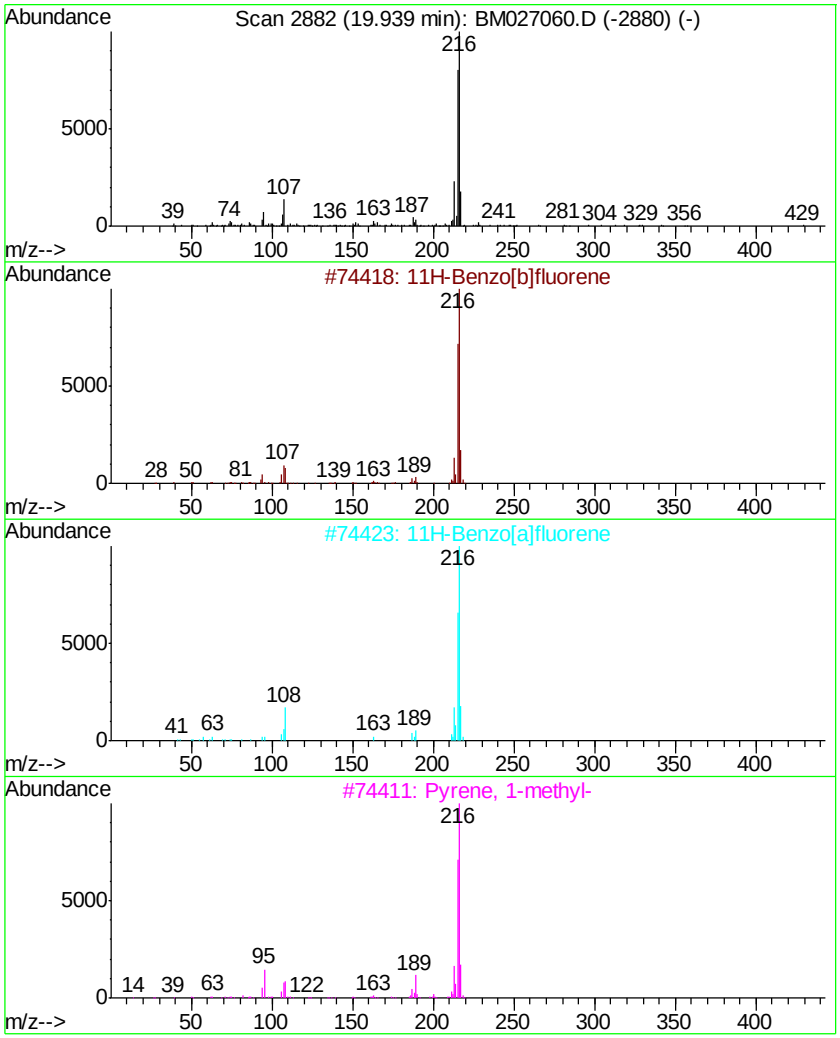
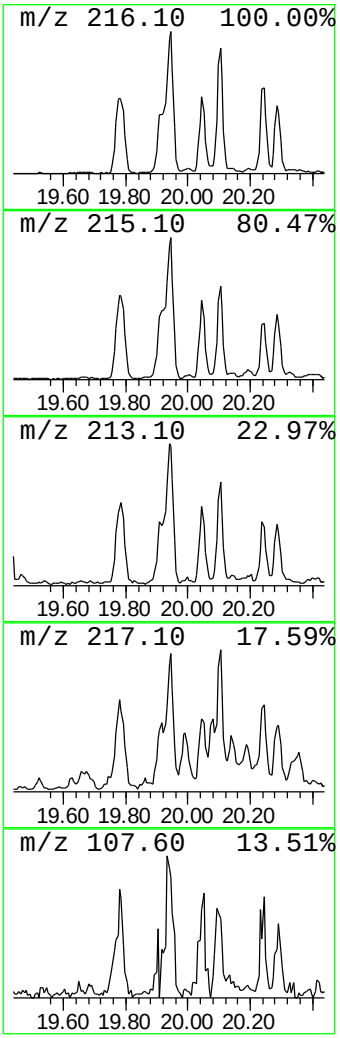
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.14 ng/ul	365323	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Sample : L3630-10
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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

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Quant Title : SVOA CALIBRATION

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

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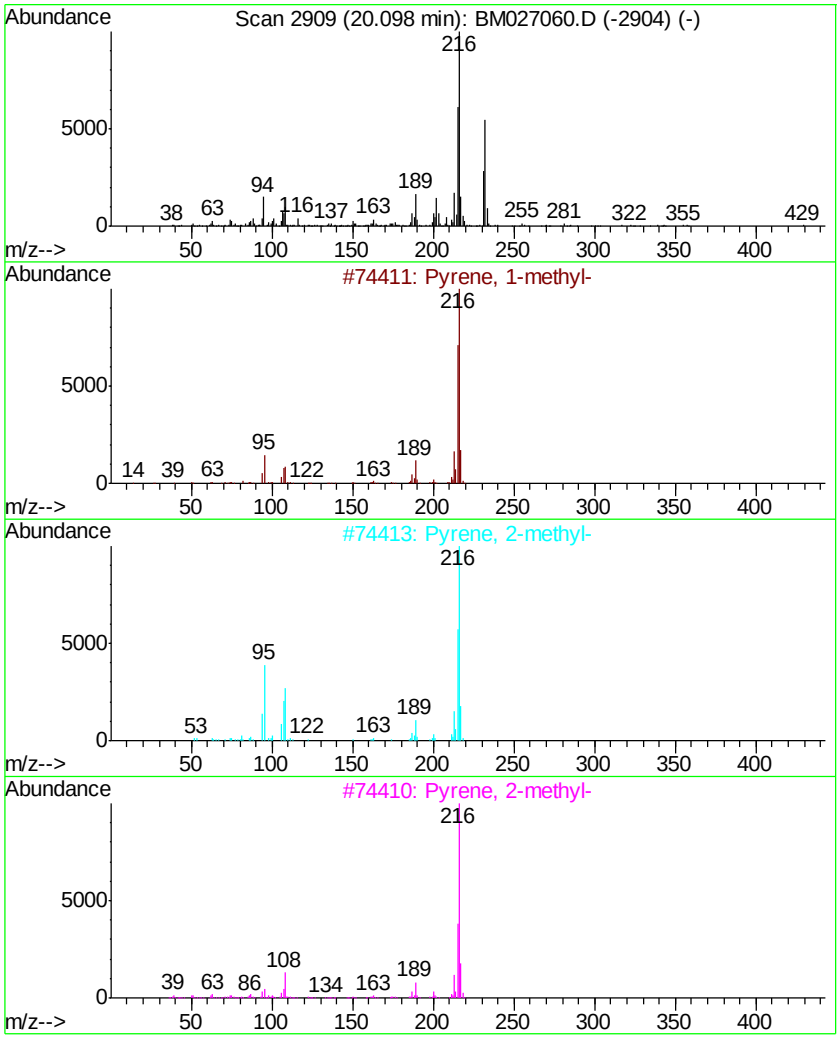
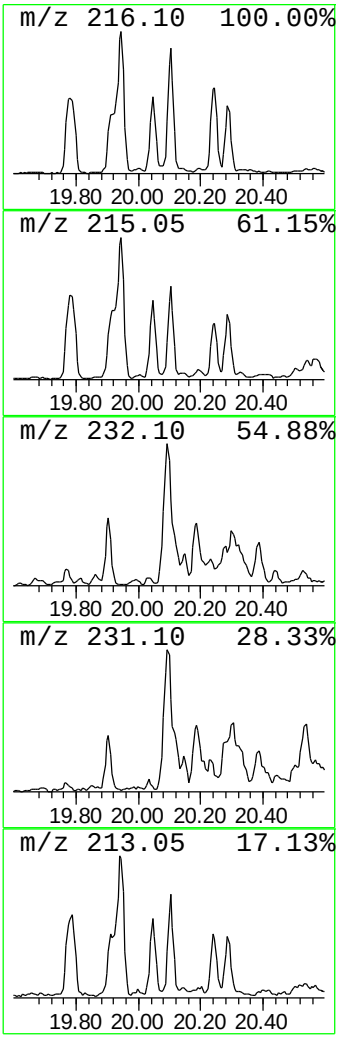
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.86 ng/ul	489614	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

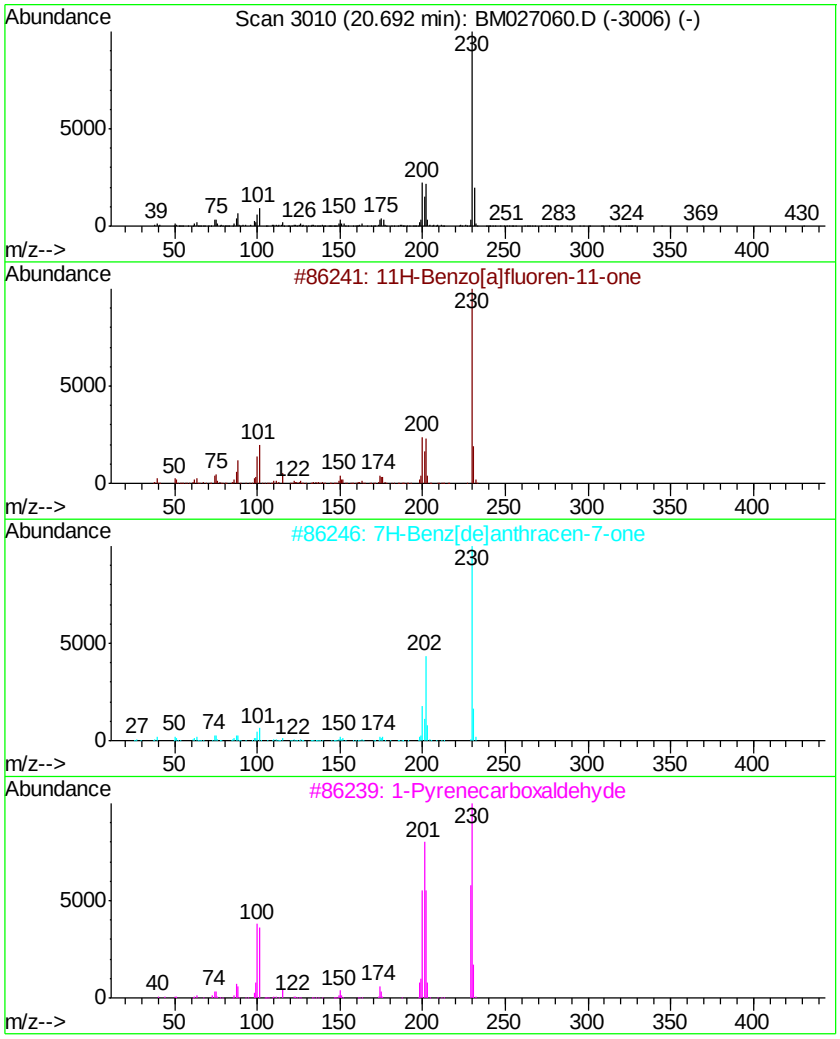
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

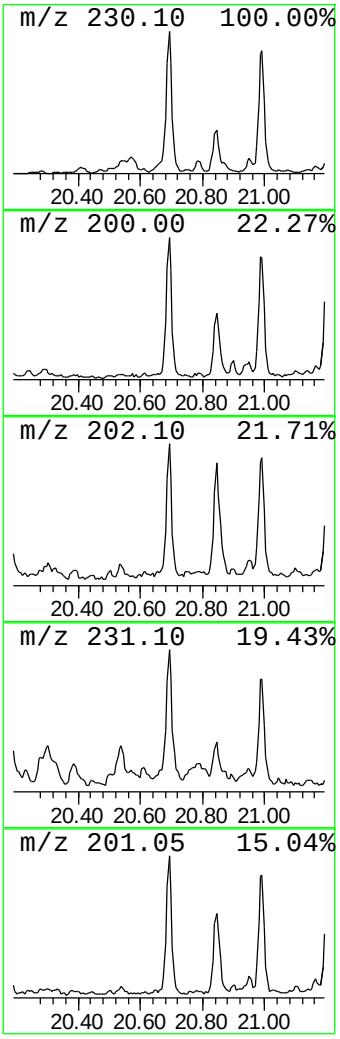
****

Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.91 ng/ul	496734	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

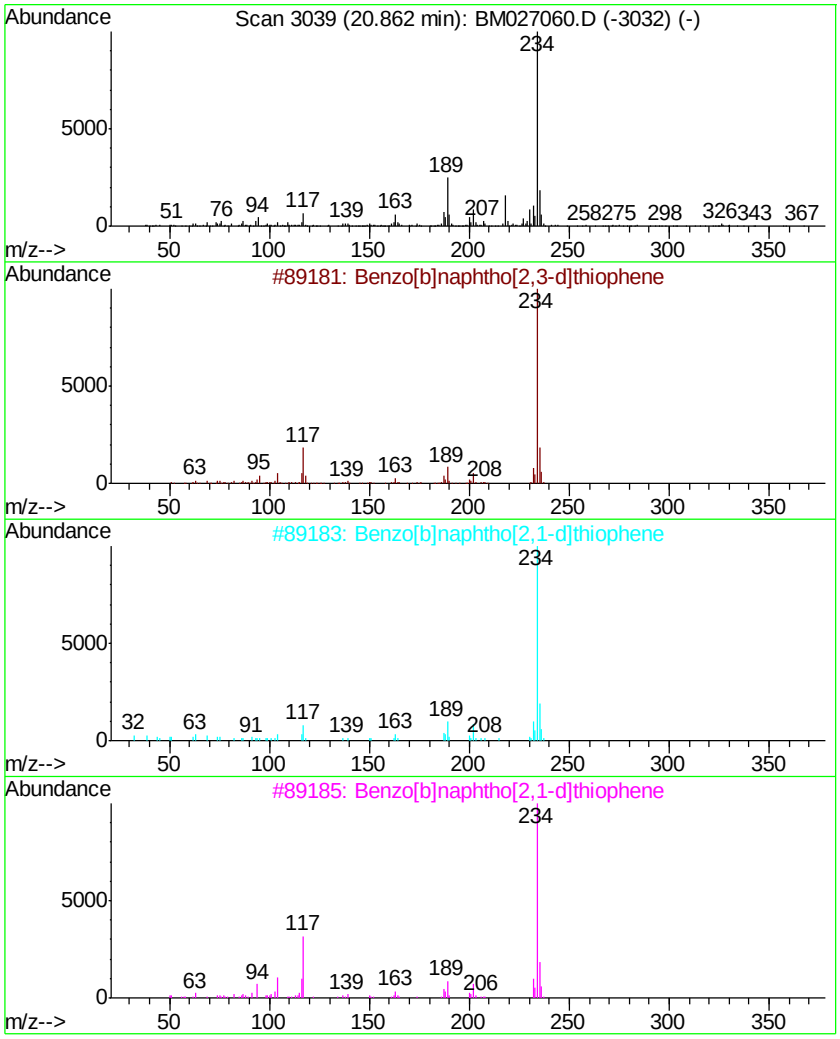
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

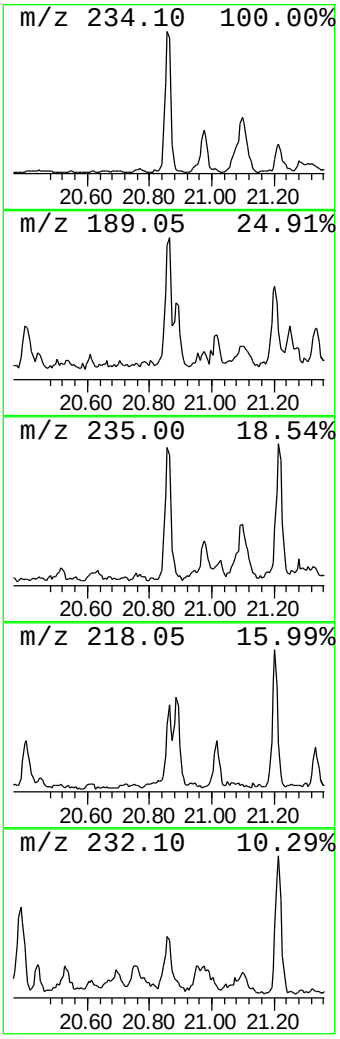
****

Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.81 ng/ul	480452	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74





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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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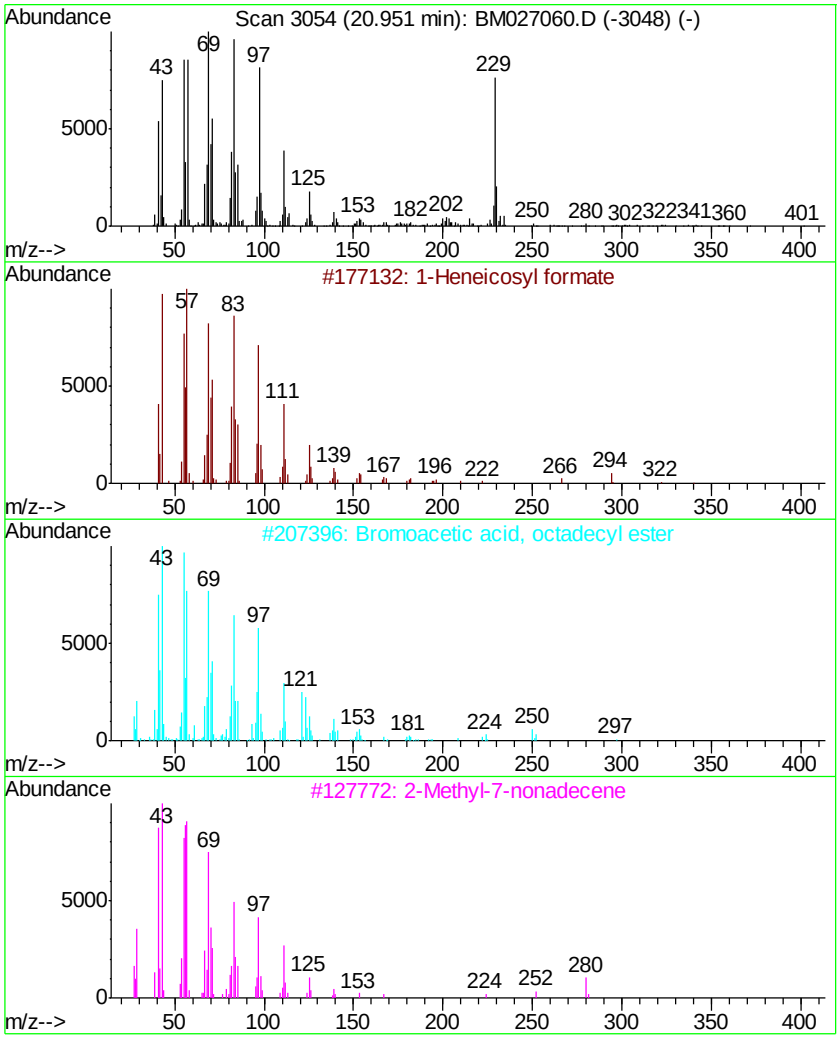
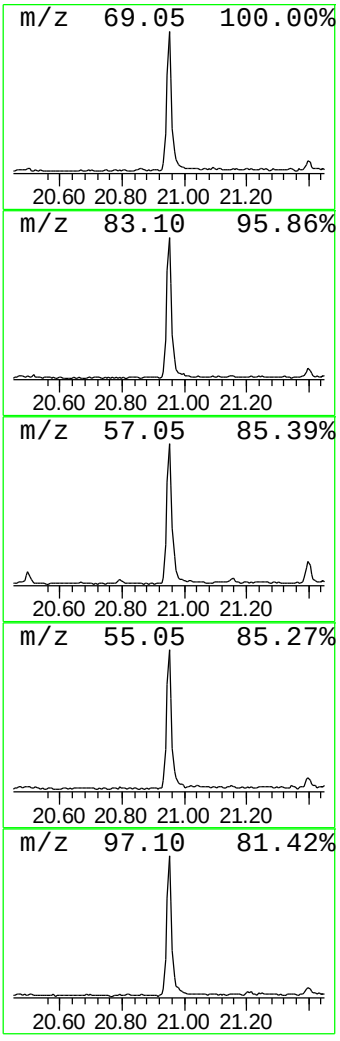
Peak Number 18 1-Heneicosyl formate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	7.59 ng/ul	1296390	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
2	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	81
3	2-Methyl-7-nonadecene	280	C20H40	219750-68-2	78
4	Behenic alcohol	326	C22H46O	000661-19-8	78
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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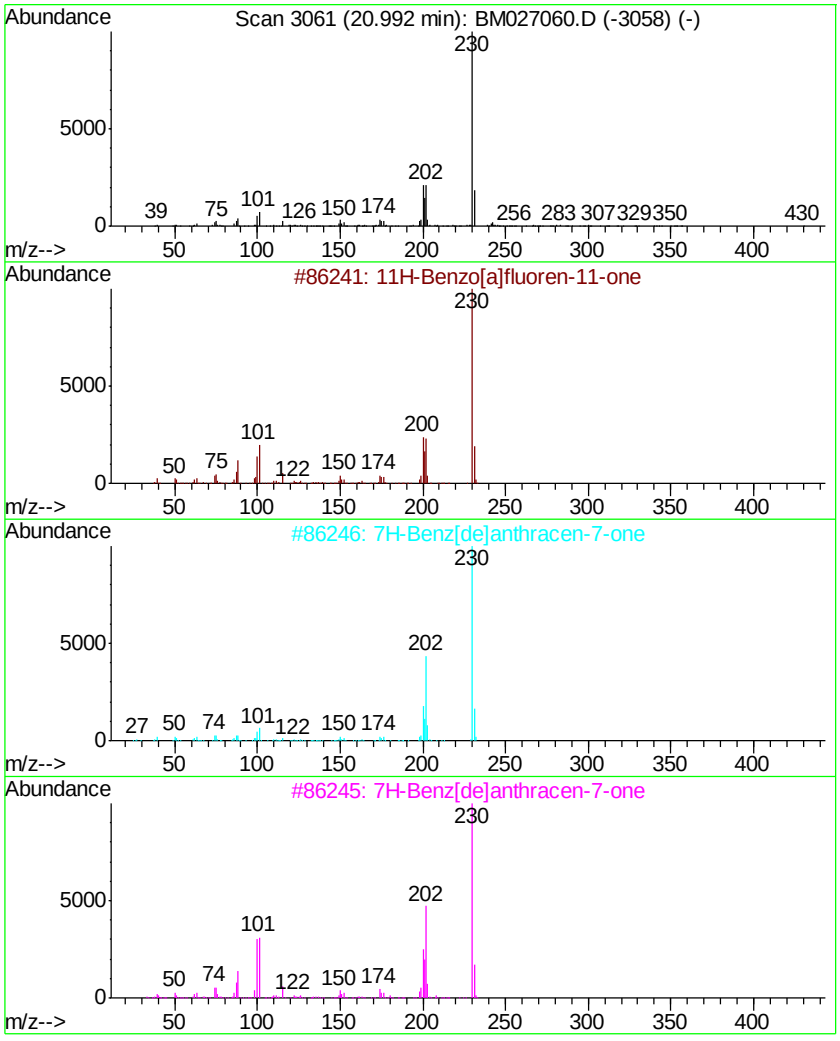
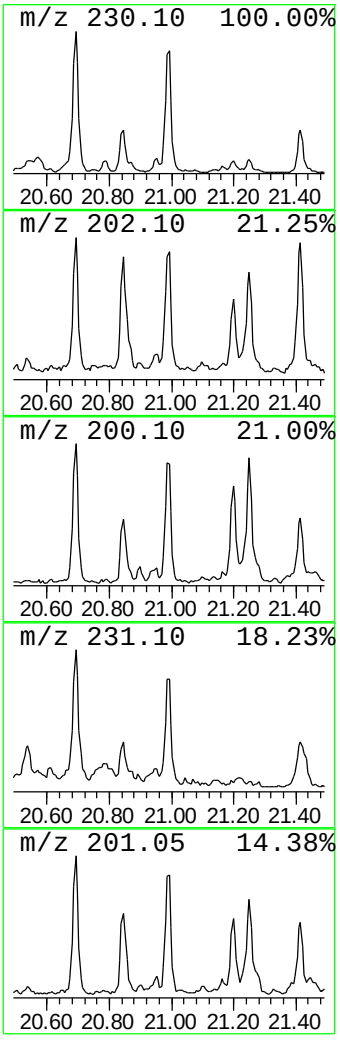
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.84 ng/ul	486080	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Library Search Compound Report

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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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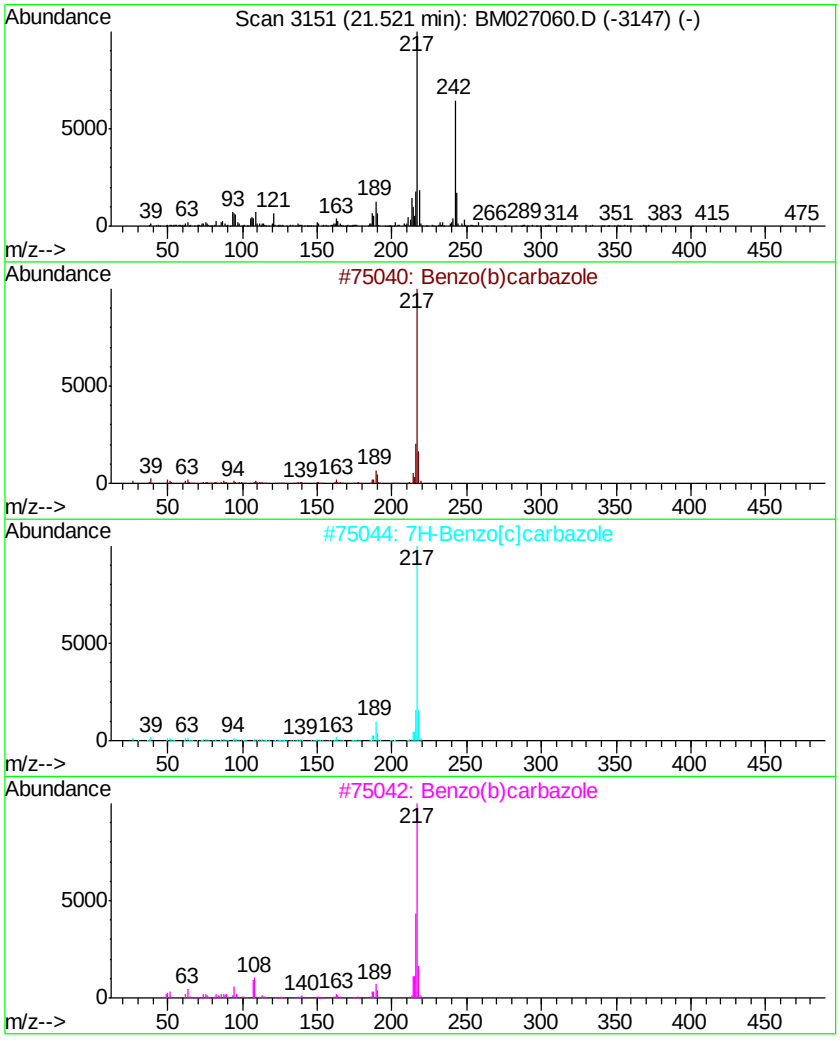
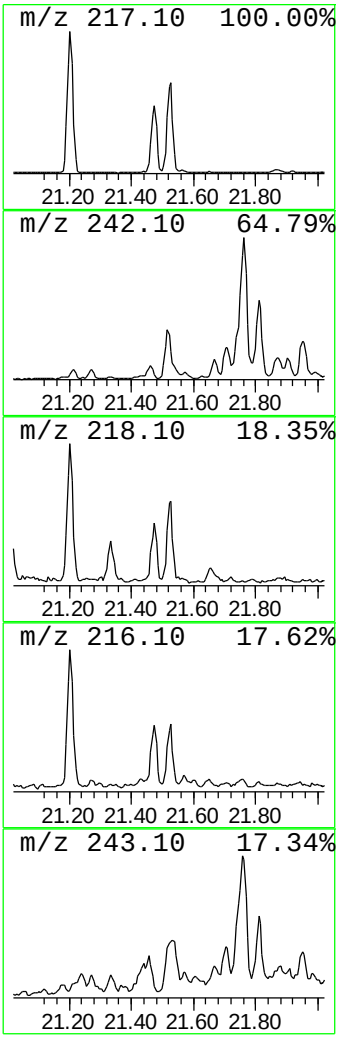
Peak Number 20 Benzo(b)carbazole Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.06 ng/ul	351463	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
4	1-Aminopyrene	217	C16H11N	001606-67-3	55
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53





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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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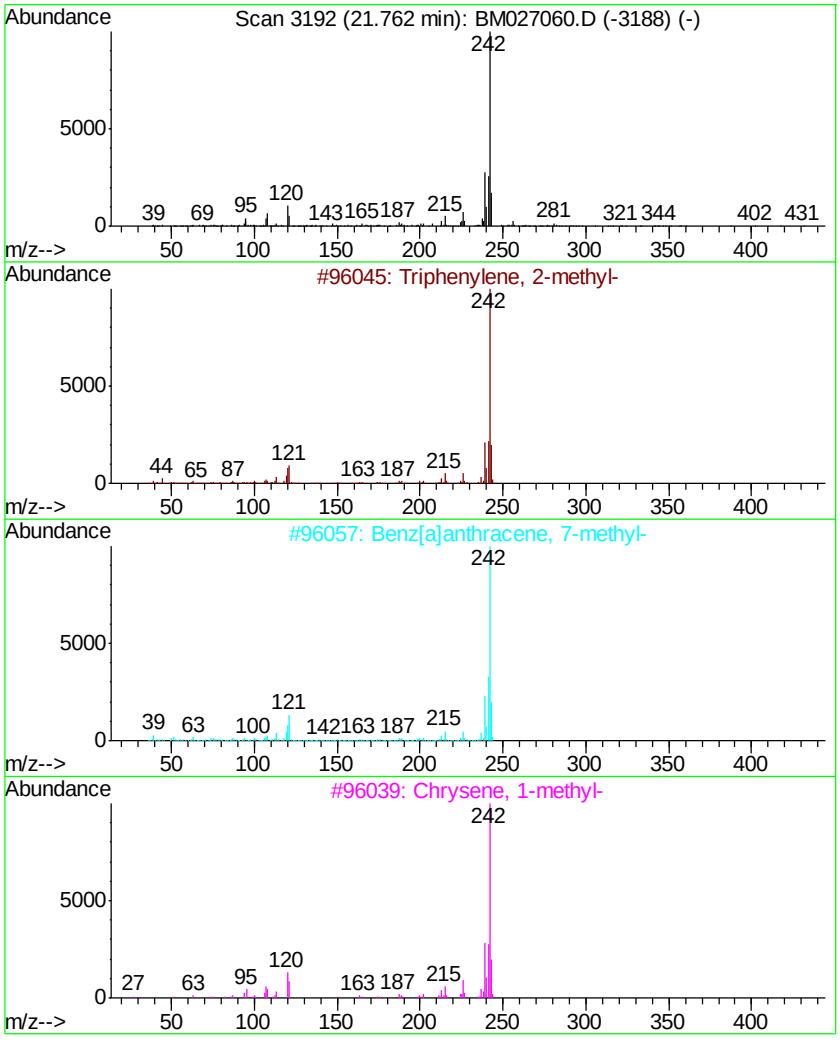
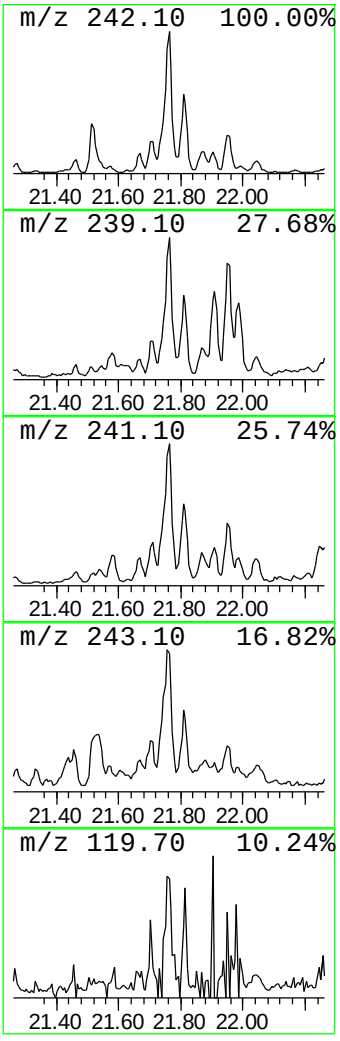
Peak Number 21 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.47 ng/ul	421443	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	2-Methylchrysene	242	C19H14	003351-32-4	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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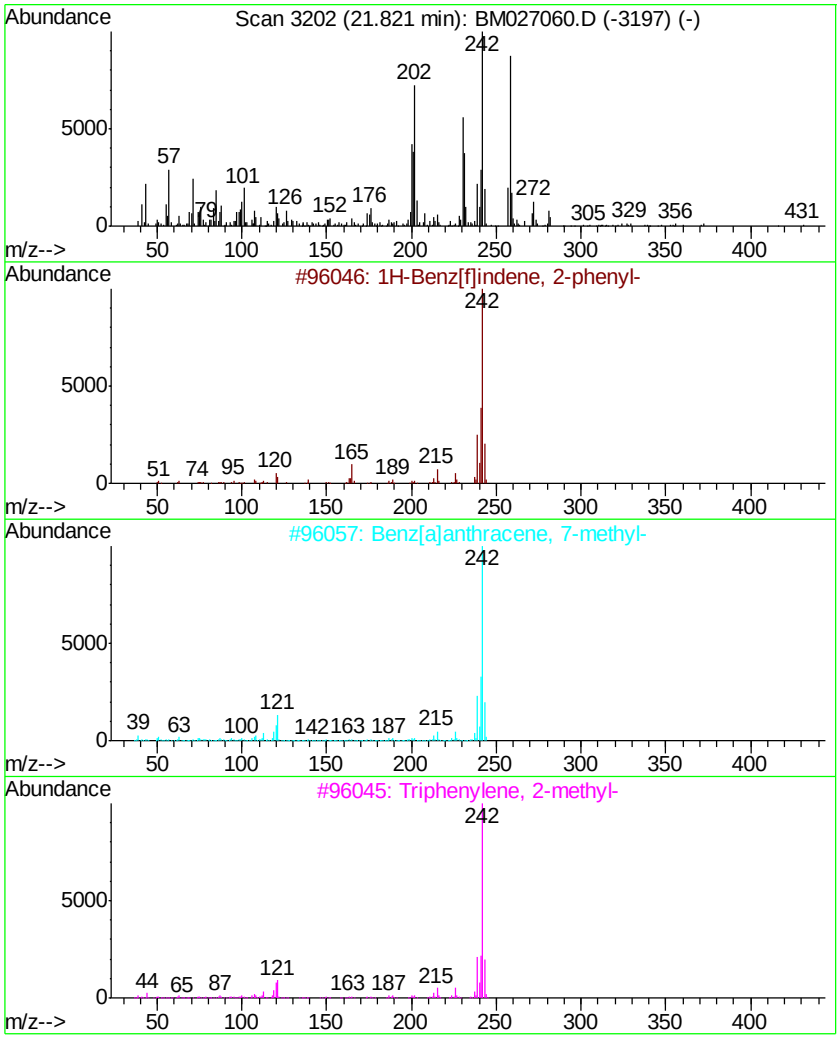
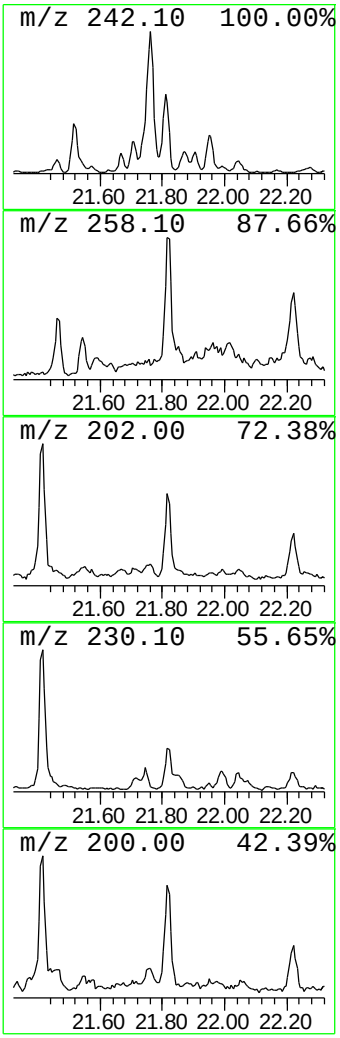
Peak Number 22 1H-Benz[f]indene, 2-phenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.10 ng/ul	358975	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	83
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	64
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	60
4	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	60
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	56





Library Search Compound Report

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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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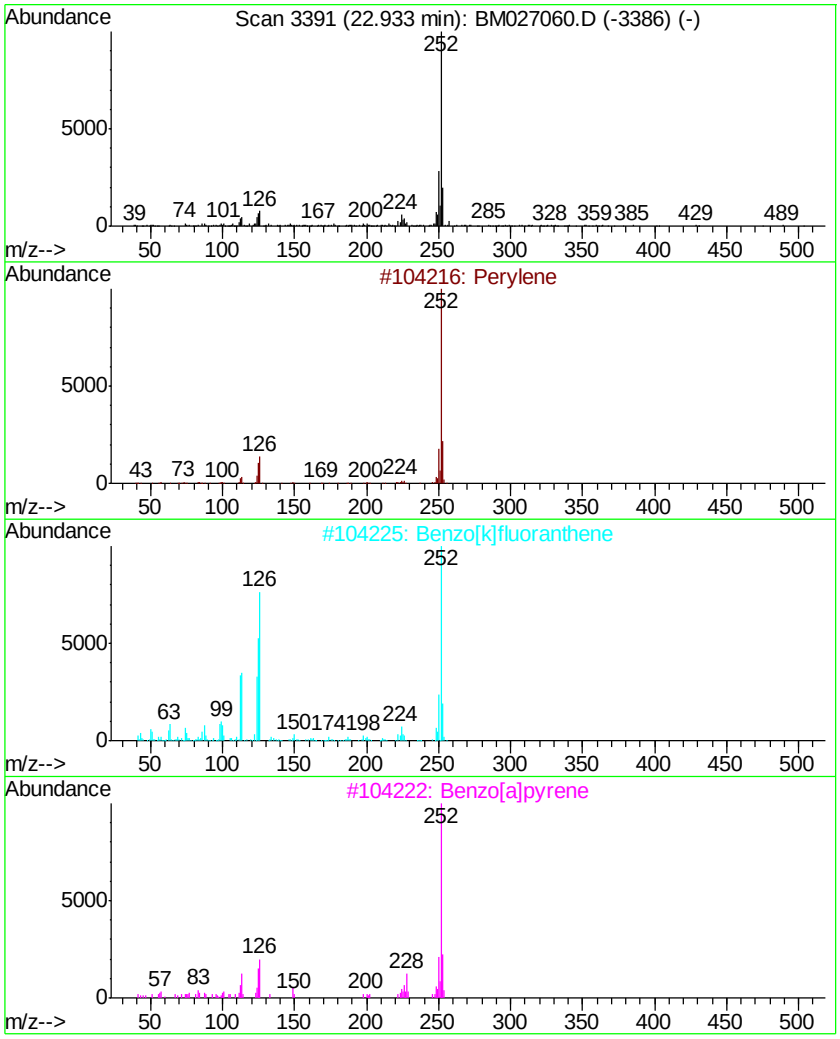
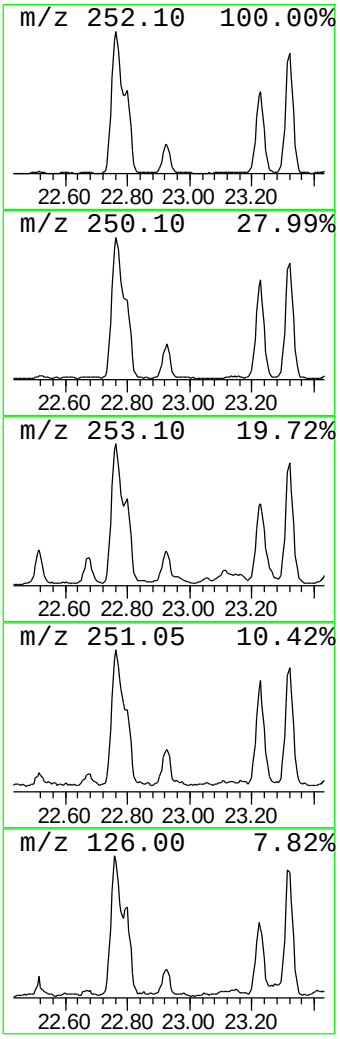
Peak Number 23 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	6.01 ng/ul	394779	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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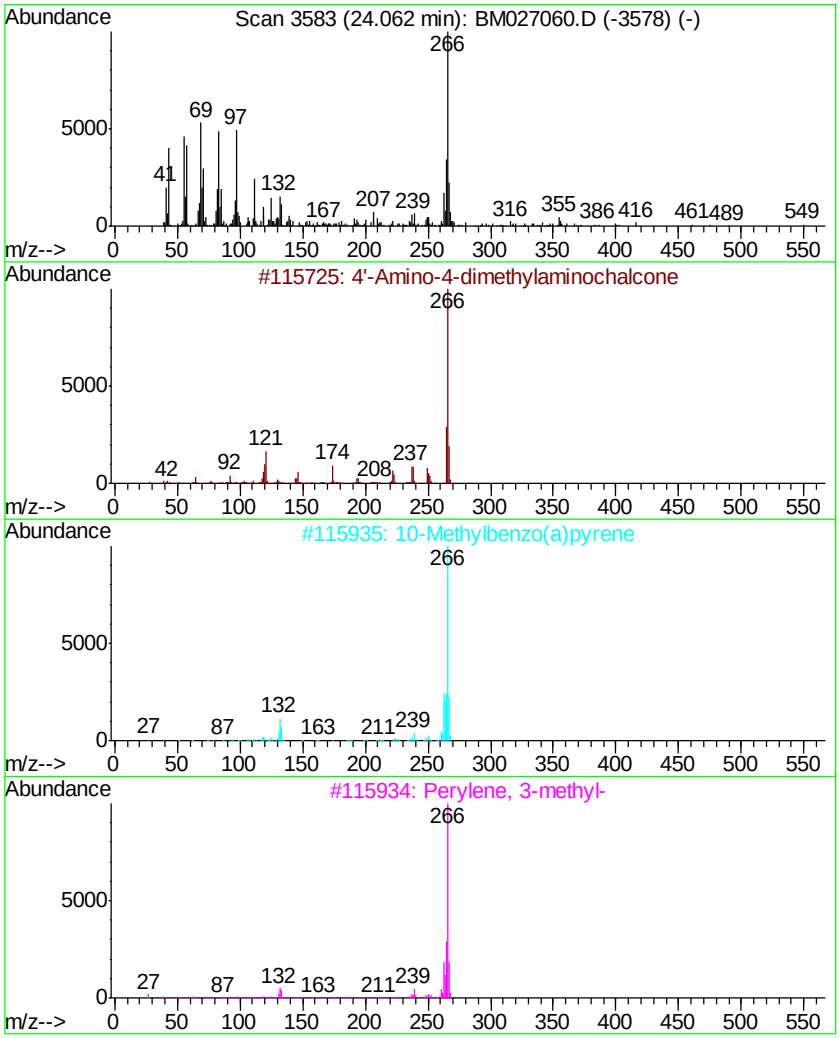
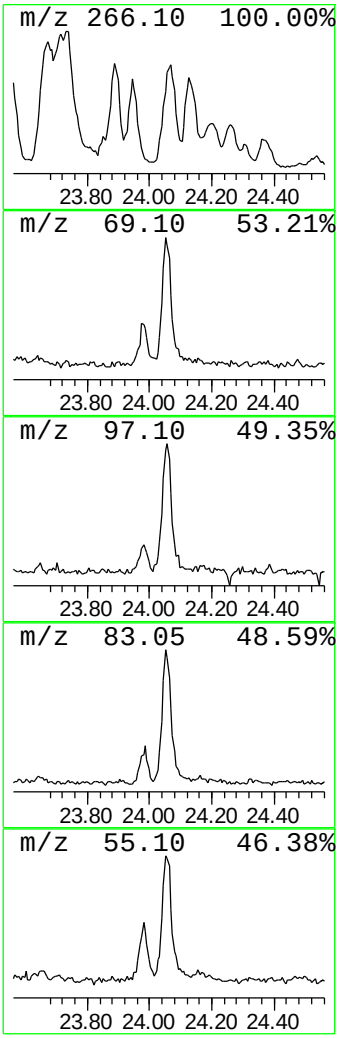
Peak Number 24 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	6.64 ng/ul	436111	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	46
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	46
3	Perylene, 3-methyl-	266	C21H14	024471-47-4	46
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	43
5	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43





Tentatively Identified Compound (LSC) summary

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Data File : BM027060.D
Acq On : 13 Aug 2020 13:59
Operator : JU/CG
Sample : L3630-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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
2,4,7,9-Tetrameth...	13.19	3.0	ng/ul	172674	3	14.27	1135460	20.0
9H-Fluoren-9-one	16.67	5.1	ng/ul	344268	4	17.02	1344500	20.0
Phenanthrene, 2-m...	17.89	5.1	ng/ul	339834	4	17.02	1344500	20.0
1H-Cyclopropa[l]p...	17.94	12.0	ng/ul	806334	4	17.02	1344500	20.0
Phenanthrene, 1-m...	18.02	2.1	ng/ul	138672	4	17.02	1344500	20.0
4H-Cyclopenta[def...	18.09	7.0	ng/ul	469252	4	17.02	1344500	20.0
1H-Indene, 2-phenyl-	18.12	3.0	ng/ul	199723	4	17.02	1344500	20.0
Naphthalene, 2-ph...	18.40	4.1	ng/ul	273154	4	17.02	1344500	20.0
9,10-Anthracenedione	18.43	6.9	ng/ul	462123	4	17.02	1344500	20.0
Phenanthrene, 2,5...	18.82	5.1	ng/ul	344168	4	17.02	1344500	20.0
Phenanthrene, 3,6...	18.88	2.7	ng/ul	183474	4	17.02	1344500	20.0
Cyclopenta(def)ph...	18.96	5.5	ng/ul	368333	4	17.02	1344500	20.0
Indeno[2,1-b]chro...	19.76	3.4	ng/ul	585245	5	21.22	3418030	20.0
11H-Benzo[b]fluorene	19.94	2.1	ng/ul	365323	5	21.22	3418030	20.0
Pyrene, 1-methyl-	20.10	2.9	ng/ul	489614	5	21.22	3418030	20.0
7H-Benz[de]anthra...	20.69	2.9	ng/ul	496734	5	21.22	3418030	20.0
Benzo[b]naphtho[2...	20.86	2.8	ng/ul	480452	5	21.22	3418030	20.0
1-Heneicosyl formate	20.95	7.6	ng/ul	1296390	5	21.22	3418030	20.0
11H-Benzo[a]fluor...	20.99	2.8	ng/ul	486080	5	21.22	3418030	20.0
Benzo(b)carbazole	21.52	2.1	ng/ul	351463	5	21.22	3418030	20.0
Triphenylene, 2-m...	21.76	2.5	ng/ul	421443	5	21.22	3418030	20.0
1H-Benz[f]indene,...	21.82	2.1	ng/ul	358975	5	21.22	3418030	20.0
Perylene	22.93	6.0	ng/ul	394779	6	23.41	1313460	20.0
unknown-01	24.06	6.6	ng/ul	436111	6	23.41	1313460	20.0