LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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	3.699	116	121	127	rVV	46005	59232	1.15%	0.105%
2	6.816	643	651	661	rBV	195913	315198	6.13%	0.561%
3	6.975	673	678	688	rBV	149372	237007	4.61%	0.422%
4	7.175	702	712	724	rBV	209905	329251	6.40%	0.586%
5	7.639	784	791	800	rBV	531949	833630	16.21%	1.484%
6	8.339	904	910	918	rBV	220820	341596	6.64%	0.608%
7	8.781	978	985	994	rVB	182756	303233	5.90%	0.540%
8	9.498	1099	1107	1116	rBV	138247	234170	4.55%	0.417%
9	10.033	1191	1198	1206	rBV	249995	397125	7.72%	0.707%
10	10.410	1255	1262	1268	rBV	688212	1109124	21.57%	1.974%
11	10.539	1277	1284	1292	rBV	193722	325385	6.33%	0.579%
12	13.686	1814	1819	1824	rVV	449821	606371	11.79%	1.079%
13	13.733	1824	1827	1833	rVB	34758	49239	0.96%	0.088%
14	13.963	1859	1866	1869	rBV	431145	691302	13.44%	1.230%
15	14.268	1912	1918	1925	rBV	1015266	1488129	28.93%	2.649%
16	14.333	1925	1929	1936	rVV	34025	50358	0.98%	0.090%
17	14.468	1947	1952	1965	rBV	144505	236402	4.60%	0.421%
18	14.674	1982	1987	1996	rVV2	35393	61076	1.19%	0.109%
19	15.268	2082	2088	2093	rBV	602388	843058	16.39%	1.500%
20	15.321	2093	2097	2103	rVB4	54177	77583	1.51%	0.138%
21	15.386	2103	2108	2115	rBV	114045	158748	3.09%	0.283%
22	15.621	2143	2148	2159	rVB	41280	70538	1.37%	0.126%
23	15.768	2167	2173	2180	rVB	37943	84364	1.64%	0.150%
24	16.327	2265	2268	2273	rVV3	31125	55052	1.07%	0.098%
25	16.562	2299	2308	2311	rBV3	56244	104979	2.04%	0.187%
26	16.598	2311	2314	2317	rVB2	35913	40424	0.79%	0.072%
27	16.668	2322	2326	2334	rVB3	51230	94487	1.84%	0.168%
28	16.757	2334	2341	2342	rBV2	57303	81193	1.58%	0.145%
29	16.833	2351	2354	2359	rVB	44888	61426	1.19%	0.109%
30	17.015	2379	2385	2388	rBV	1232548	1715300	33.35%	3.053%
31	17.057	2388	2392	2397	rVV	1190630	1602329	31.15%	2.852%
32	17.109	2397	2401	2405	rVV	636012	946687	18.41%	1.685%
33	17.145	2405	2407	2413	rVB	301053	356574	6.93%	0.635%
34	17.209	2413	2418	2425	rVB3	48794	77184	1.50%	0.137%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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	17.415	2444	2453	2457	rBV2	55886	110084	2.14%	0.196%
36	17.462	2457	2461	2465	rBV2	31835	50592	0.98%	0.090%
37	17.539	2470	2474	2478	rVV	59223	74082	1.44%	0.132%
38	17.598	2480	2484	2488	rVB3	35647	46217	0.90%	0.082%
39	17.733	2504	2507	2514	rVB3	25643	42805	0.83%	0.076%
40	17.892	2524	2534	2538	rBV	239849	370876	7.21%	0.660%
41	17.939	2538	2542	2549	rVB	364726	514017	9.99%	0.915%
42	18.021	2549	2556	2560	rBV	151540	233195	4.53%	0.415%
43	18.080	2560	2566	2570	rBV2	319687	587379	11.42%	1.045%
44	18.121	2570	2573	2581	rVB	182391	258099	5.02%	0.459%
45	18.209	2582	2588	2590	rBV5	18571	36716	0.71%	0.065%
46	18.398	2615	2620	2623	rVV	218800	306575	5.96%	0.546%
47	18.427	2623	2625	2631	rVB	130183	162057	3.15%	0.288%
48	18.521	2638	2641	2648	rBV4	28572	47454	0.92%	0.084%
49	18.645	2658	2662	2666	rVV2	76603	104424	2.03%	0.186%
50	18.698	2667	2671	2674	rVV	66984	80481	1.56%	0.143%
51	18.733	2674	2677	2681	rVB2	76717	98905	1.92%	0.176%
52	18.815	2682	2691	2696	rBV	179818	362194	7.04%	0.645%
53	18.880	2697	2702	2705	rVV3	116336	209327	4.07%	0.373%
54	18.909	2705	2707	2710	rVV	77020	85887	1.67%	0.153%
55	18.950	2710	2714	2723	rVB2	195433	329652	6.41%	0.587%
56	19.080	2730	2736	2742	rVB	3257911	4380323	85.17%	7.796%
57	19.145	2744	2747	2750	rBV	44025	58964	1.15%	0.105%
58	19.180	2750	2753	2757	rVB3	66270	89744	1.74%	0.160%
59	19.227	2757	2761	2765	rBV2	148900	193867	3.77%	0.345%
60	19.274	2765	2769	2771	rBV3	51419	79883	1.55%	0.142%
61	19.321	2773	2777	2782	rVB	96689	136902	2.66%	0.244%
62	19.415	2787	2793	2794	rVV	1352168	1844737	35.87%	3.283%
63	19.439	2794	2797	2806	rVV	2780123	3861392	75.08%	6.872%
64	19.515	2806	2810	2818	rVB2	168478	307643	5.98%	0.548%
65	19.621	2824	2828	2834	rBV	216214	303446	5.90%	0.540%
66	19.680	2834	2838	2844	rVB	170052	256860	4.99%	0.457%
67	19.756	2846	2851	2859	rBV3	336746	809863	15.75%	1.441%
68	19.903	2872	2876	2878	rBV3	178265	263334	5.12%	0.469%
69	19.939	2878	2882	2887	rVB	384621	576790	11.21%	1.027%
70	19.992	2887	2891	2894	rBV4	50560	83413	1.62%	0.148%
71	20.039	2895	2899	2903	rBV	163085	216197	4.20%	0.385%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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	20.097	2903	2909	2913	rVV2	356031	585779	11.39%	1.043%
73	20.139	2914	2916	2920	rVB3	75009	77579	1.51%	0.138%
74	20.180	2920	2923	2928	rBV	71638	98506	1.92%	0.175%
75	20.239	2929	2933	2936	rVV	154622	190991	3.71%	0.340%
76	20.286	2936	2941	2950	rVV2	174455	316434	6.15%	0.563%
77	20.497	2974	2977	2980	rBV4	59359	94823	1.84%	0.169%
78	20.603	2993	2995	2998	rVB4	43172	43178	0.84%	0.077%
79	20.686	3005	3009	3017	rVB	314955	444826	8.65%	0.792%
80	20.850	3031	3037	3041	rBV2	248273	496953	9.66%	0.884%
81	20.892	3041	3044	3047	rVV	318868	388783	7.56%	0.692%
82	20.944	3047	3053	3056	rVV2	296034	622989	12.11%	1.109%
83	20.986	3056	3060	3068	rVB2	341291	526153	10.23%	0.936%
84	21.162	3086	3090	3091	rBV2	103538	134517	2.62%	0.239%
85	21.197	3091	3096	3101	rVV3	2710873	5143165	100.00%	9.154%
86	21.244	3101	3104	3112	rVB	1646748	2090409	40.64%	3.720%
87	21.362	3121	3124	3128	rBV	161919	240470	4.68%	0.428%
88	21.409	3129	3132	3137	rVV2	122036	185961	3.62%	0.331%
89	21.515	3146	3150	3155	rBV3	216021	341195	6.63%	0.607%
90	21.697	3179	3181	3184	rBV2	76574	91721	1.78%	0.163%
91	21.750	3187	3190	3194	rVV	329605	444119	8.64%	0.790%
92	21.803	3196	3199	3205	rVB2	181199	276996	5.39%	0.493%
93	21.944	3220	3223	3226	rBV2	134896	157773	3.07%	0.281%
94	22.756	3354	3361	3372	rBV	1234692	3812276	74.12%	6.785%
95	22.915	3384	3388	3394	rVB	261800	410543	7.98%	0.731%
96	23.215	3434	3439	3444	rBV	602010	1119422	21.77%	1.992%
97	23.262	3444	3447	3451	rVV	496618	790662	15.37%	1.407%
98	23.309	3451	3455	3464	rVB	1106946	1998409	38.86%	3.557%
99	23.403	3465	3471	3476	rBV2	1081201	2031544	39.50%	3.616%
100	25.597	3838	3844	3855	rVB2	519833	1418633	27.58%	2.525%

Sum of corrected areas: 56186939

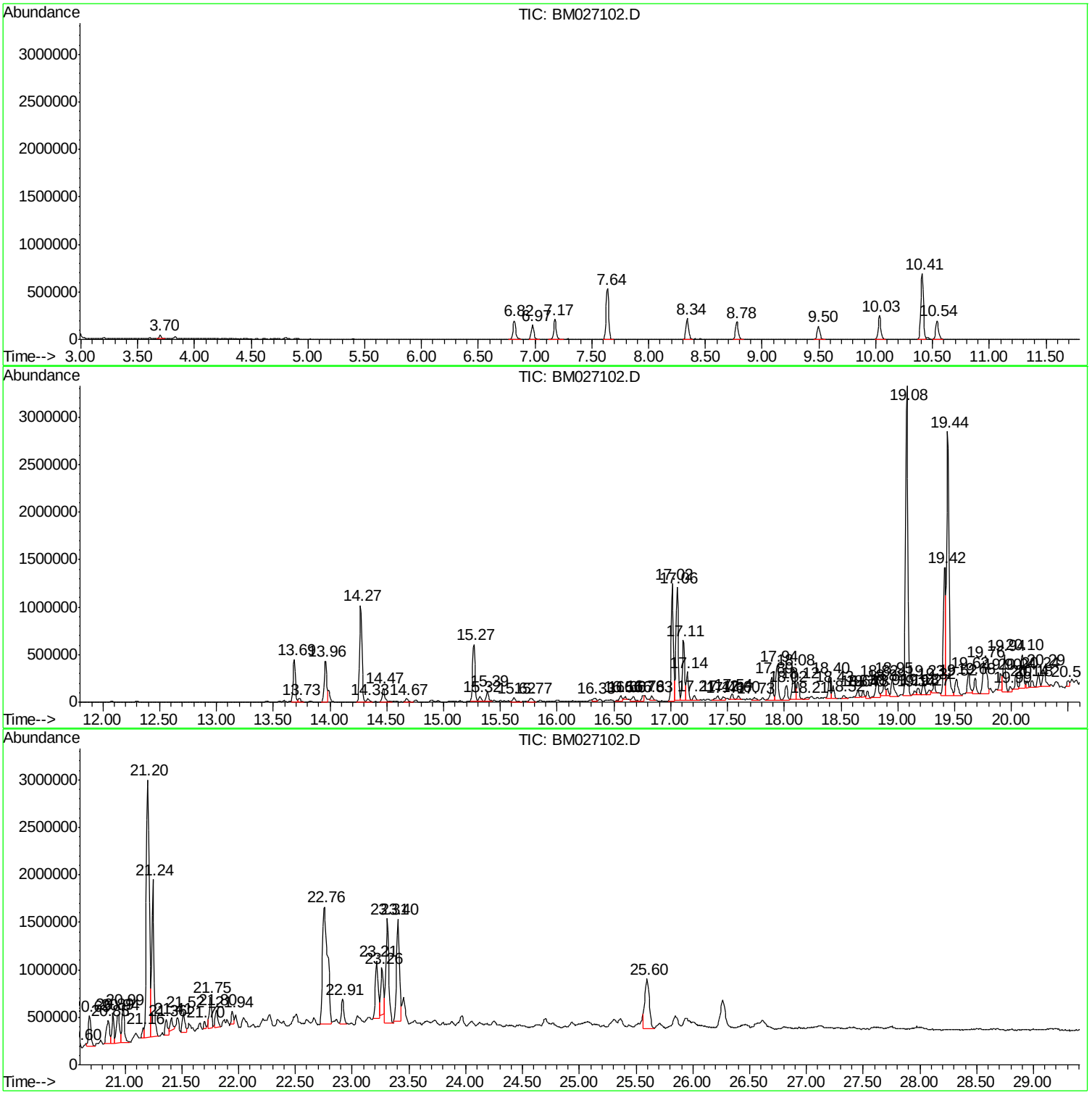
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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 : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

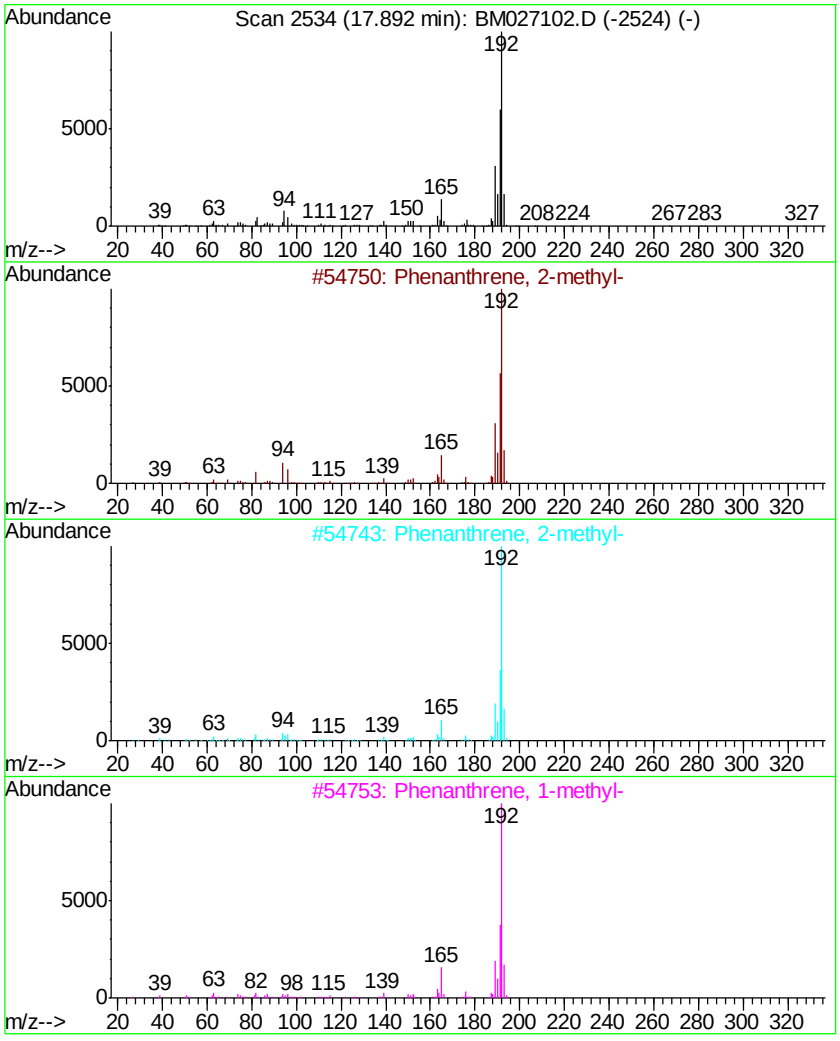
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

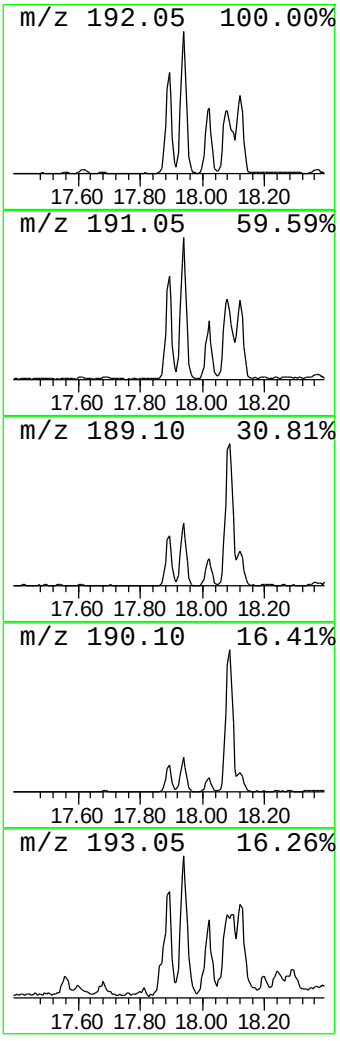
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.32 ng/ul	370876	Phenanthrene-d10	17.02

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

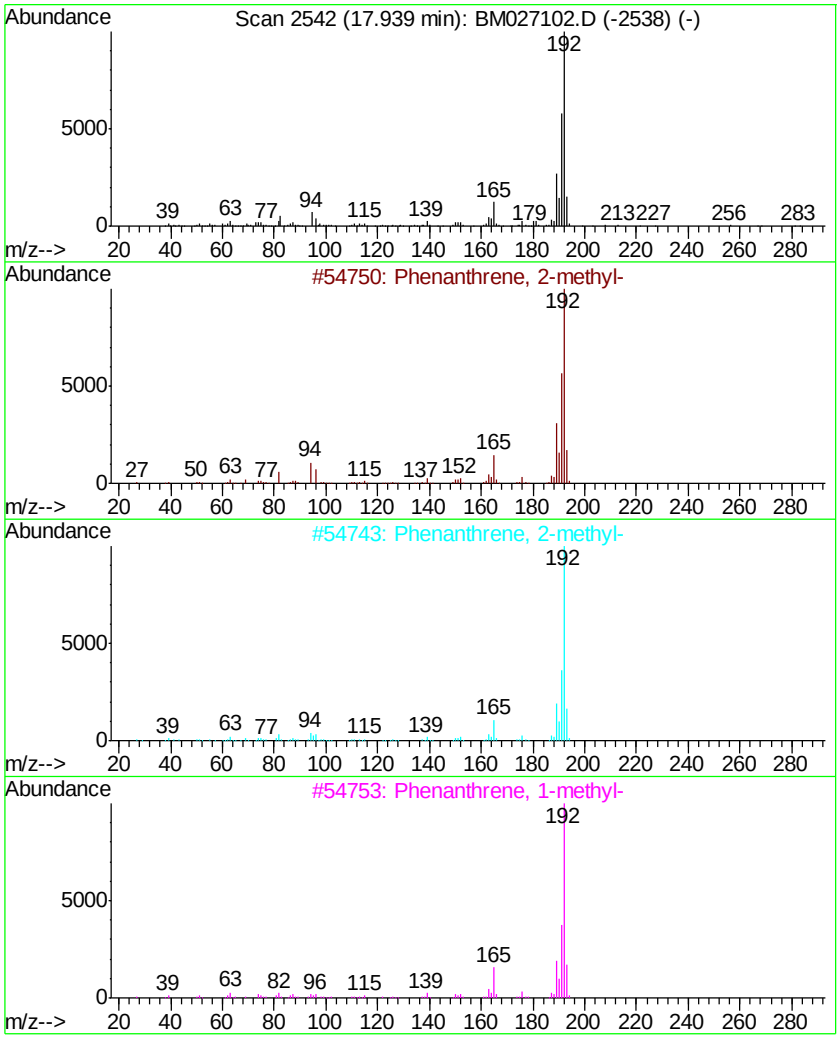
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

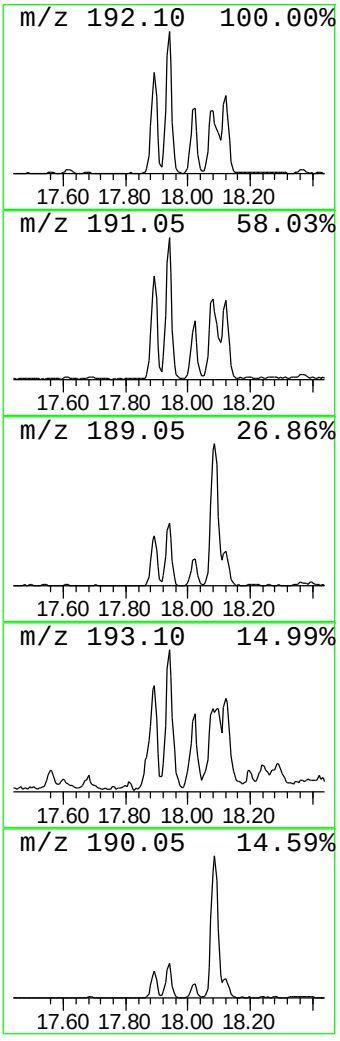
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.99 ng/ul	514017	Phenanthrene-d10	17.02

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

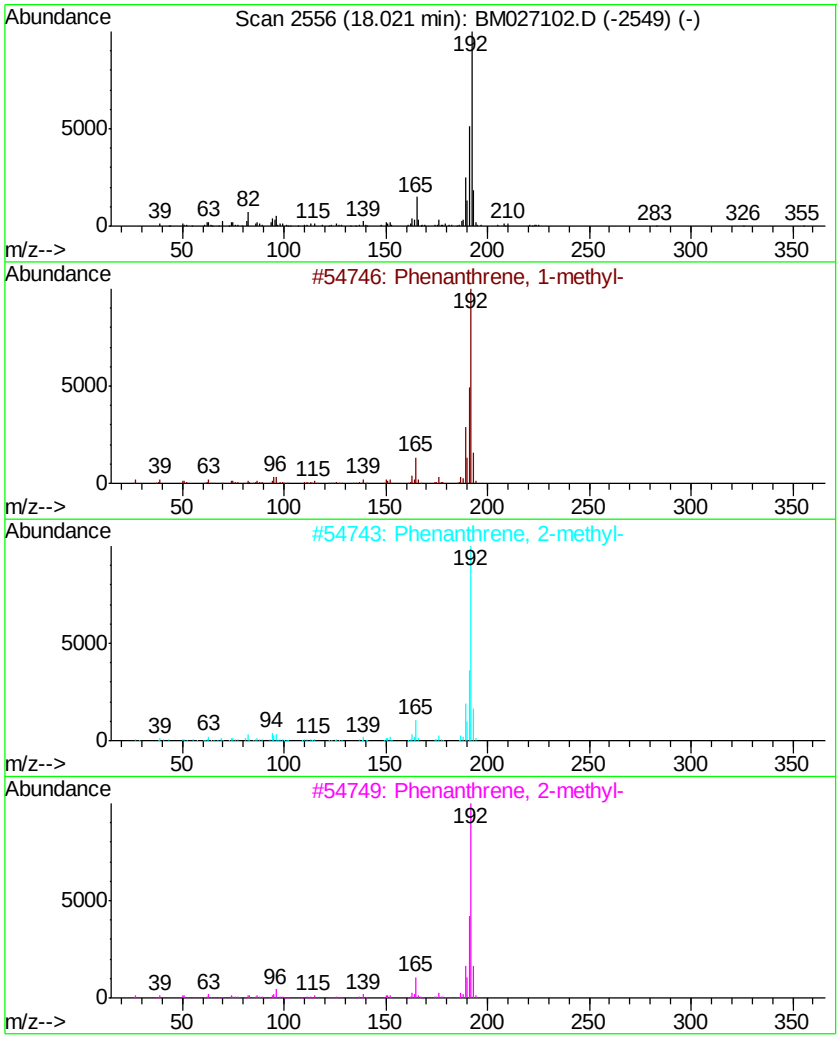
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

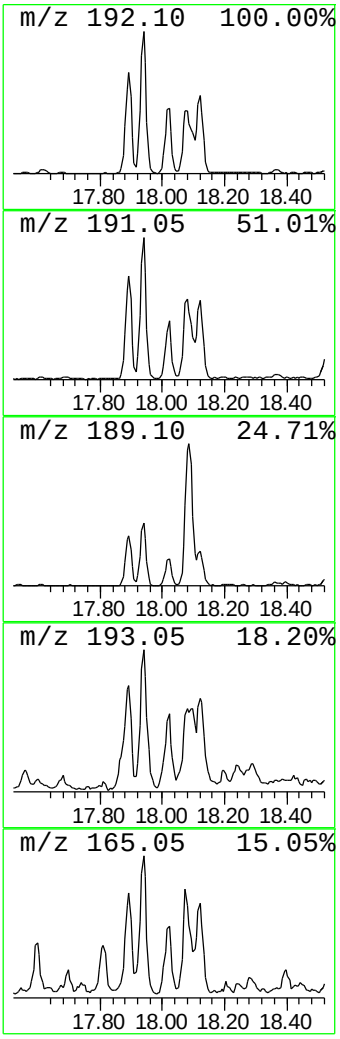
****

Peak Number 3 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.72 ng/ul	233195	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

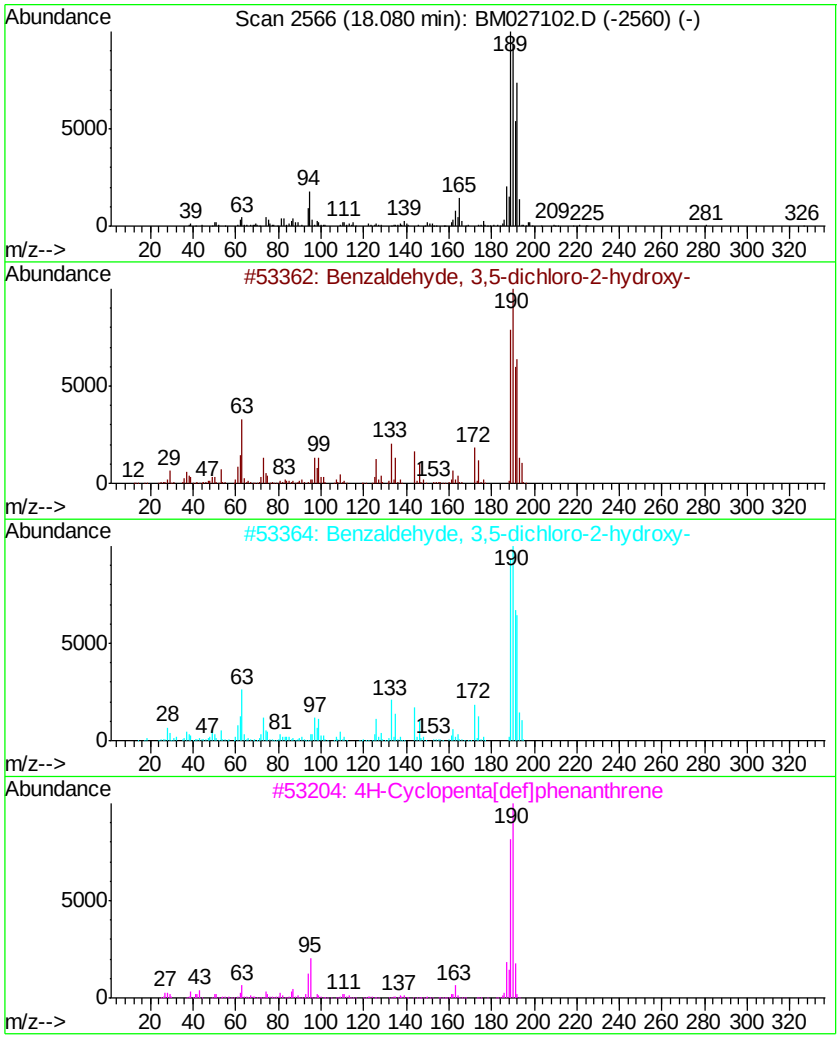
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

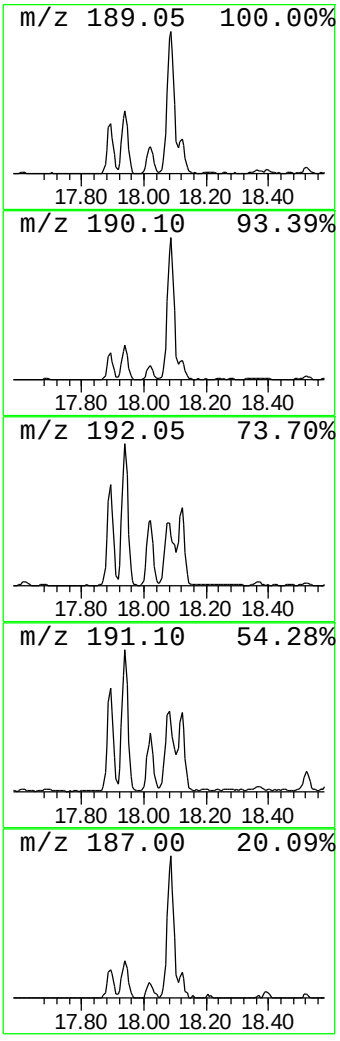
****

Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	6.85 ng/ul	587379	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

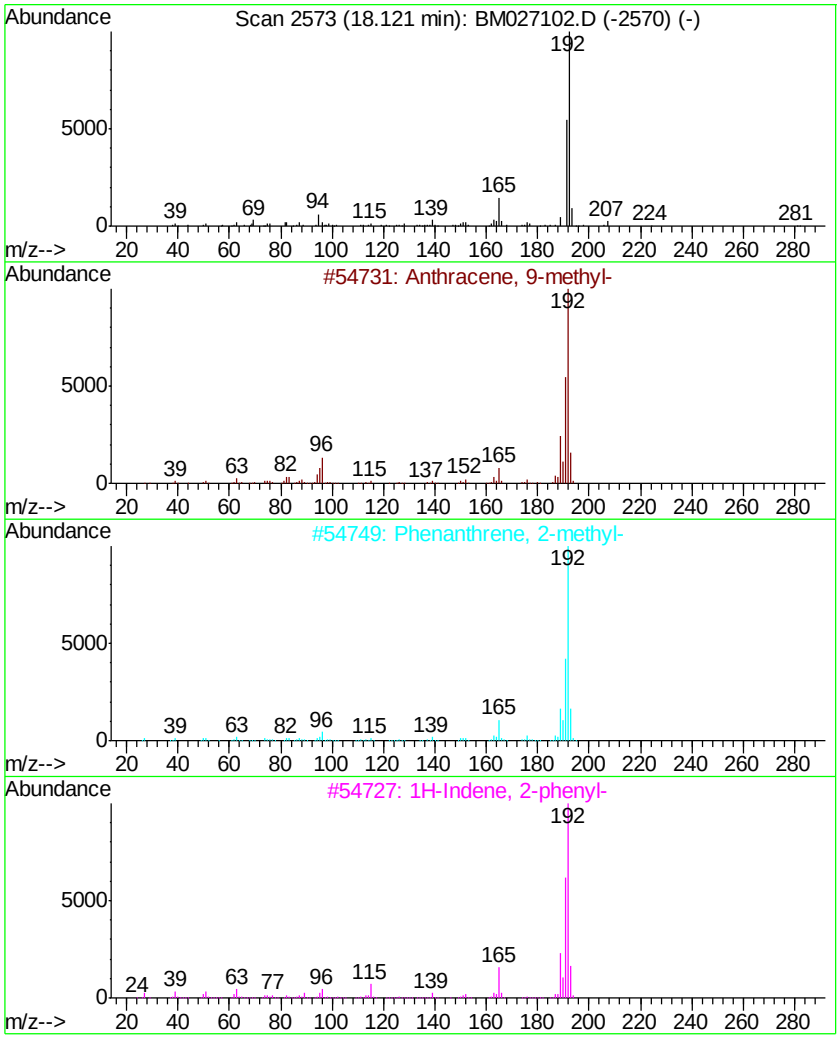
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

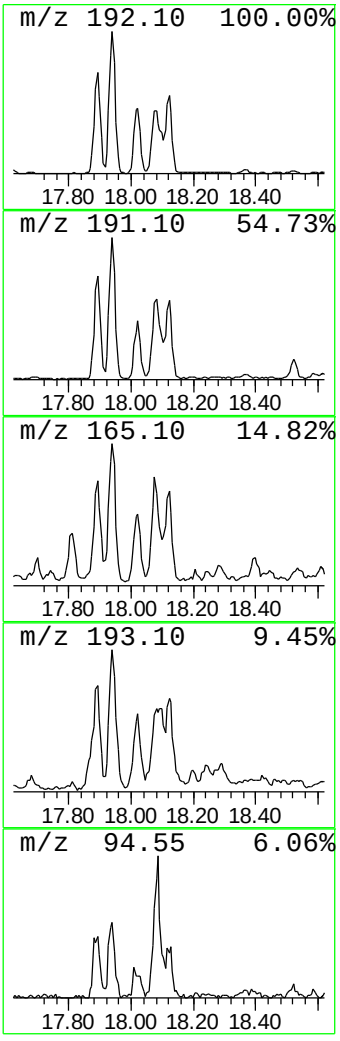
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.01 ng/ul	258099	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
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Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

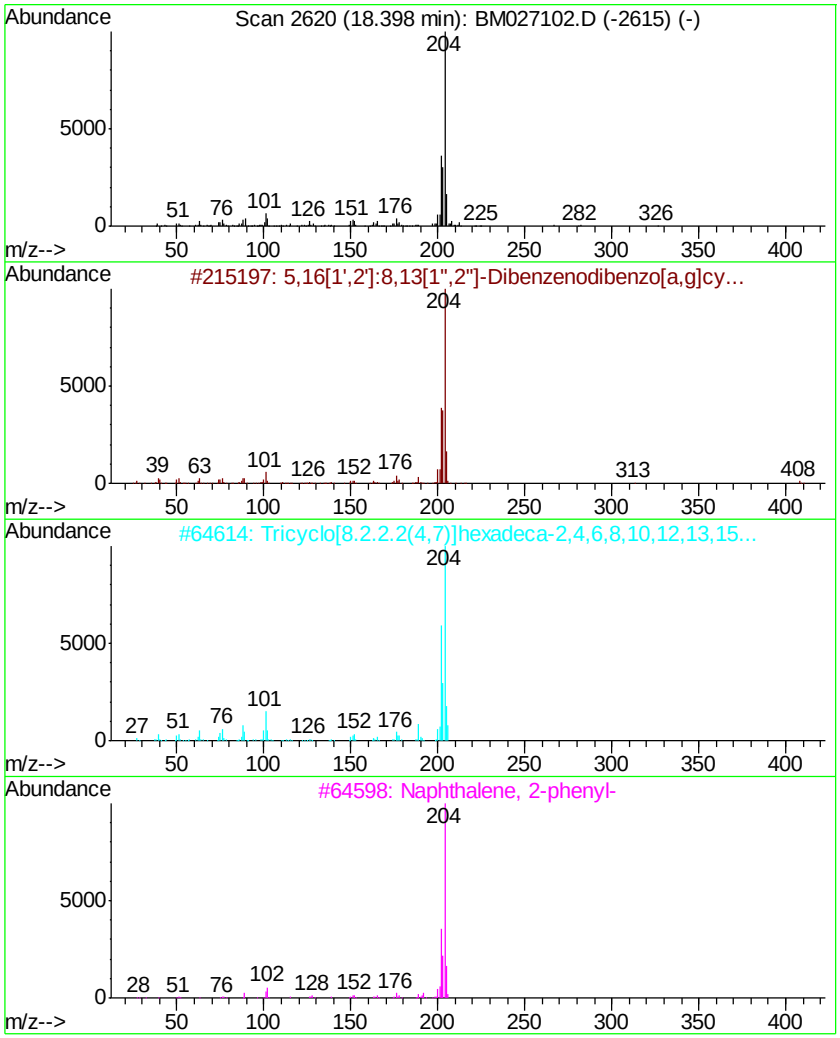
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

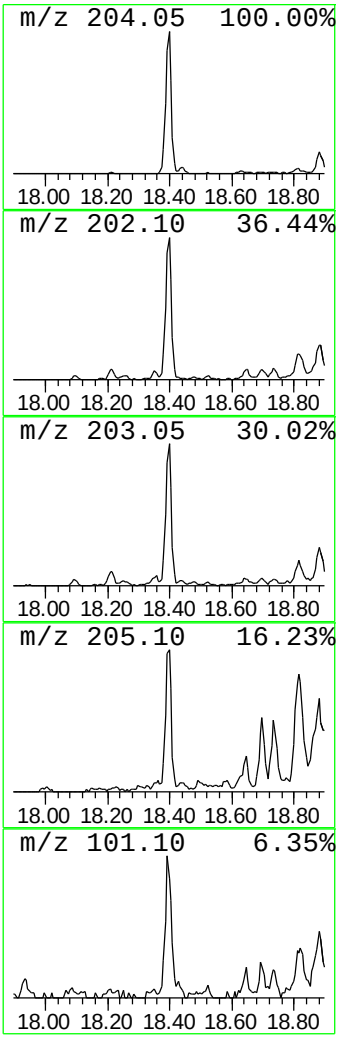
****

Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.57 ng/ul	306575	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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

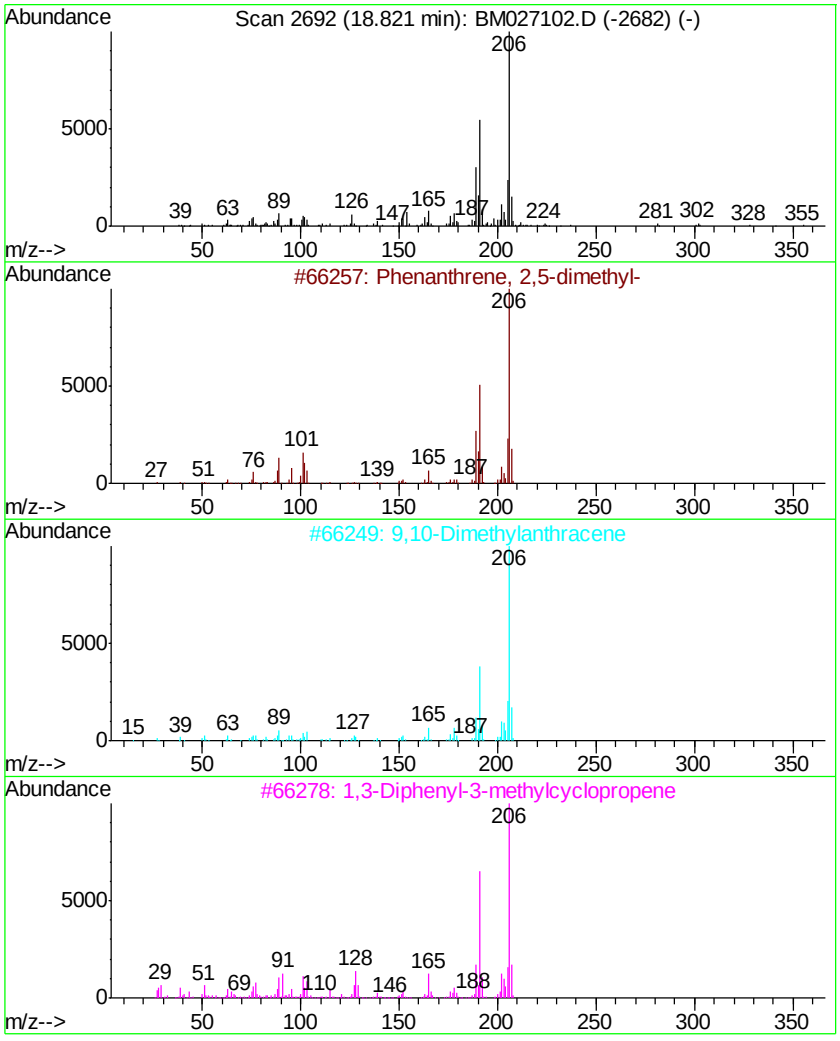
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

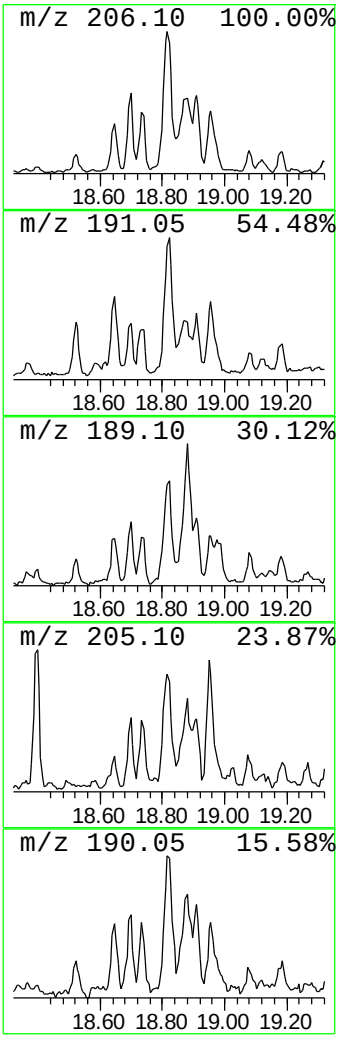
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	4.22 ng/ul	362194	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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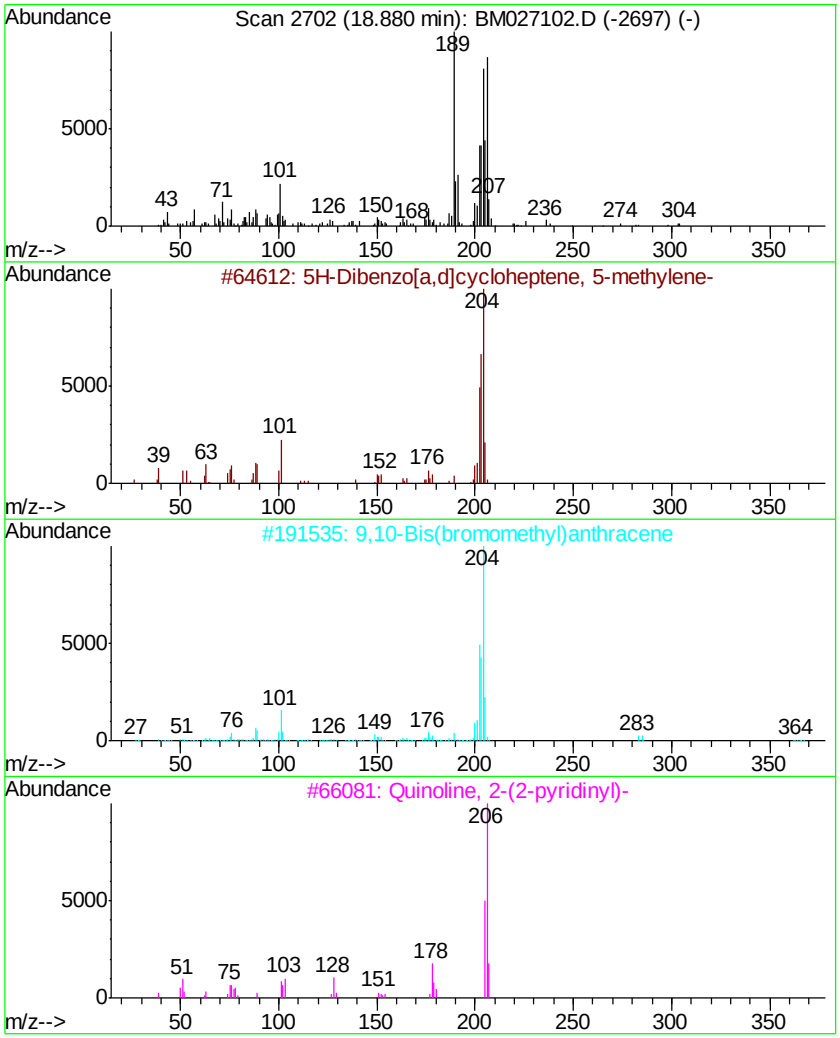
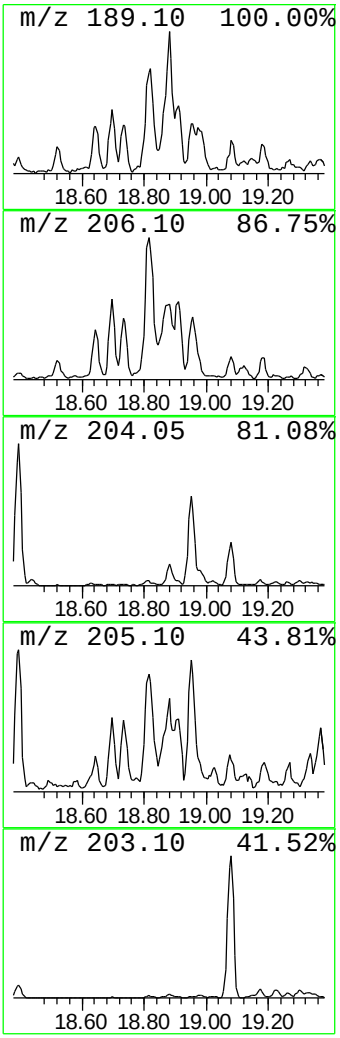
Peak Number 8 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.44 ng/ul	209327	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Quinoline, 2-(2-pyridinyl)-	206	C14H10N2	007491-86-3	35
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	Tetramisole	204	C11H12N2S	005036-02-2	25





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Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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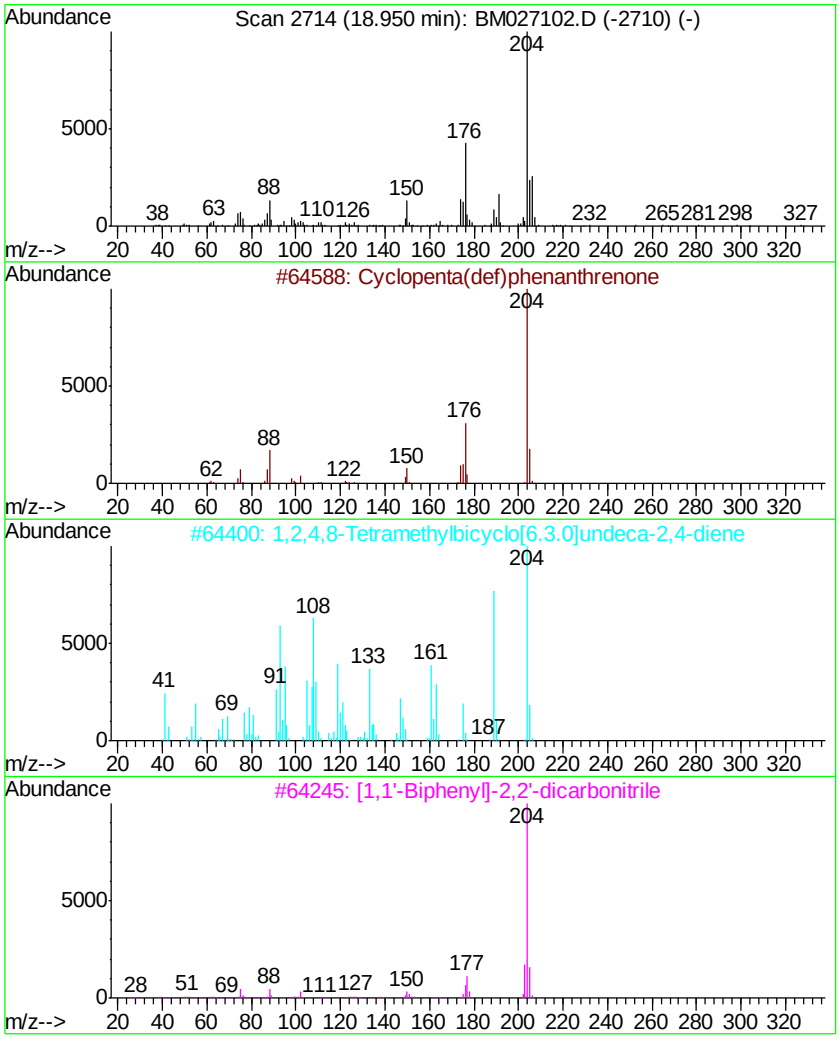
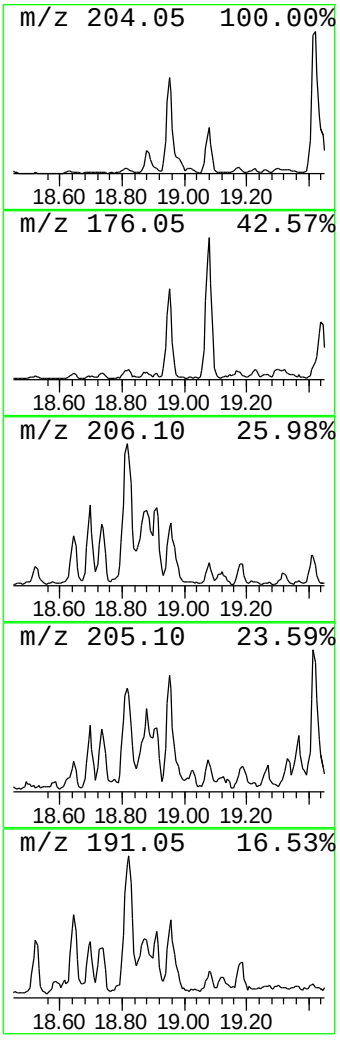
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	3.84 ng/ul	329652	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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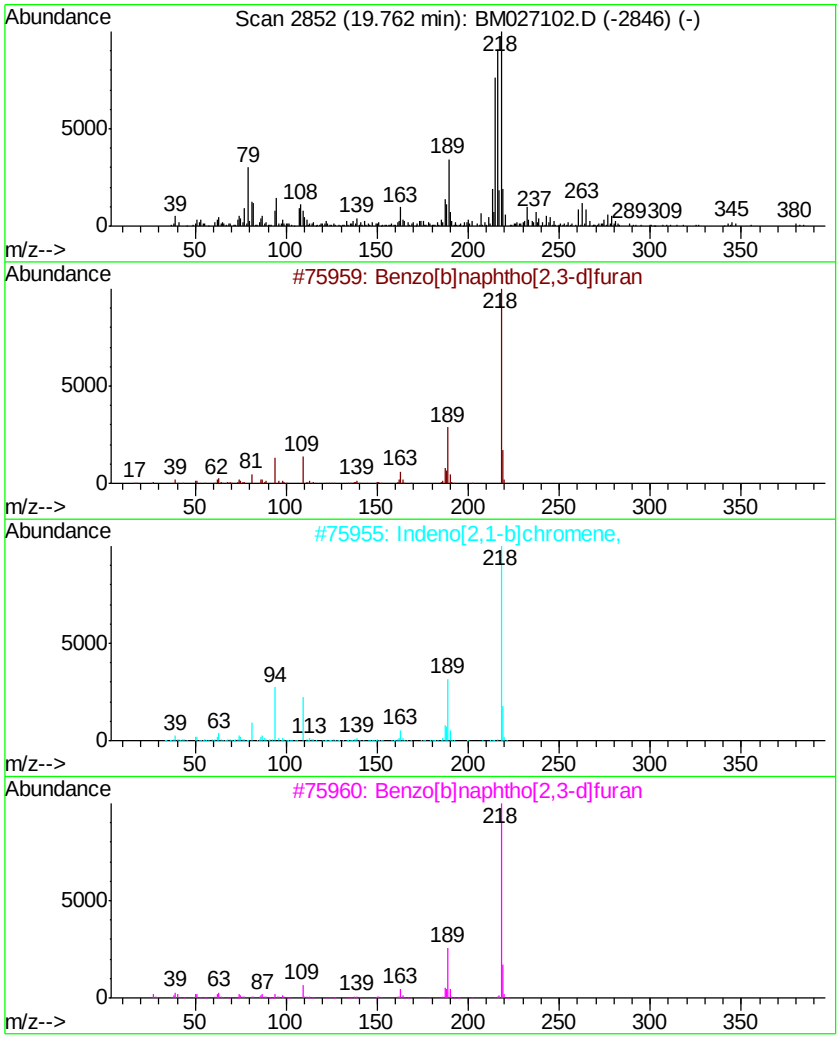
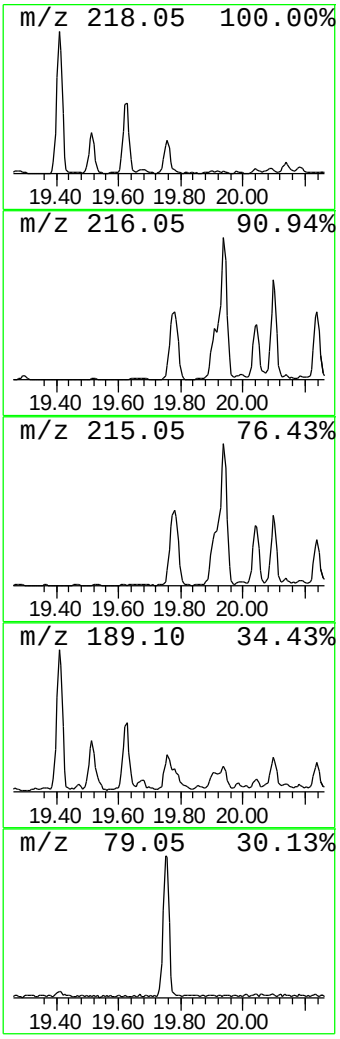
Peak Number 10 Benzo[b]naphtho[2,3-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.15 ng/ul	809863	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	89
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	46
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	46
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	46
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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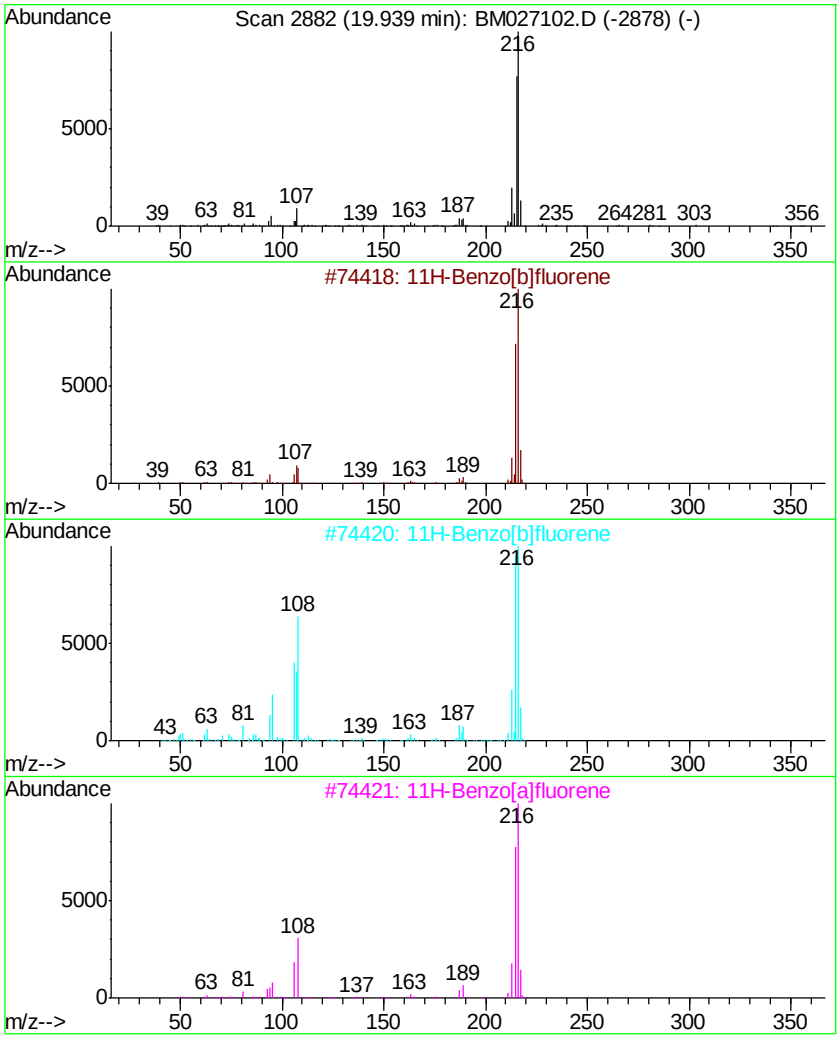
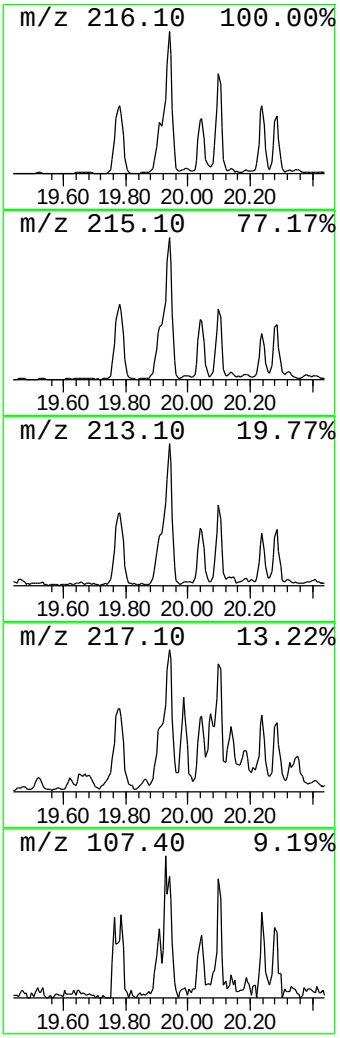
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.24 ng/ul	576790	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





Library Search Compound Report

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Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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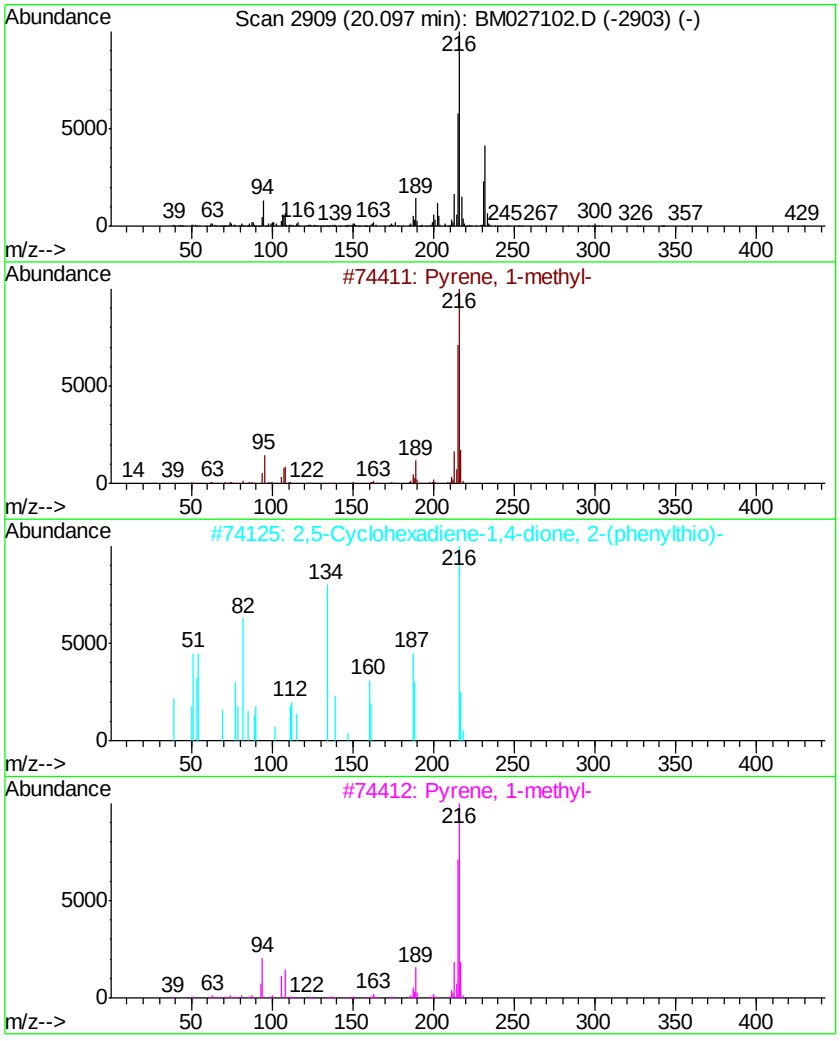
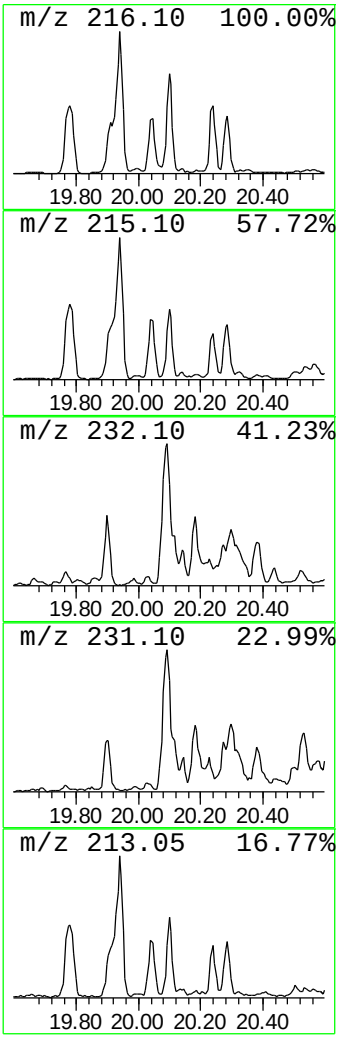
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.28 ng/ul	585779	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	2,5-Cyclohexadiene-1,4-dione, 2-...	216	C12H8O2S	018232-03-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	: 4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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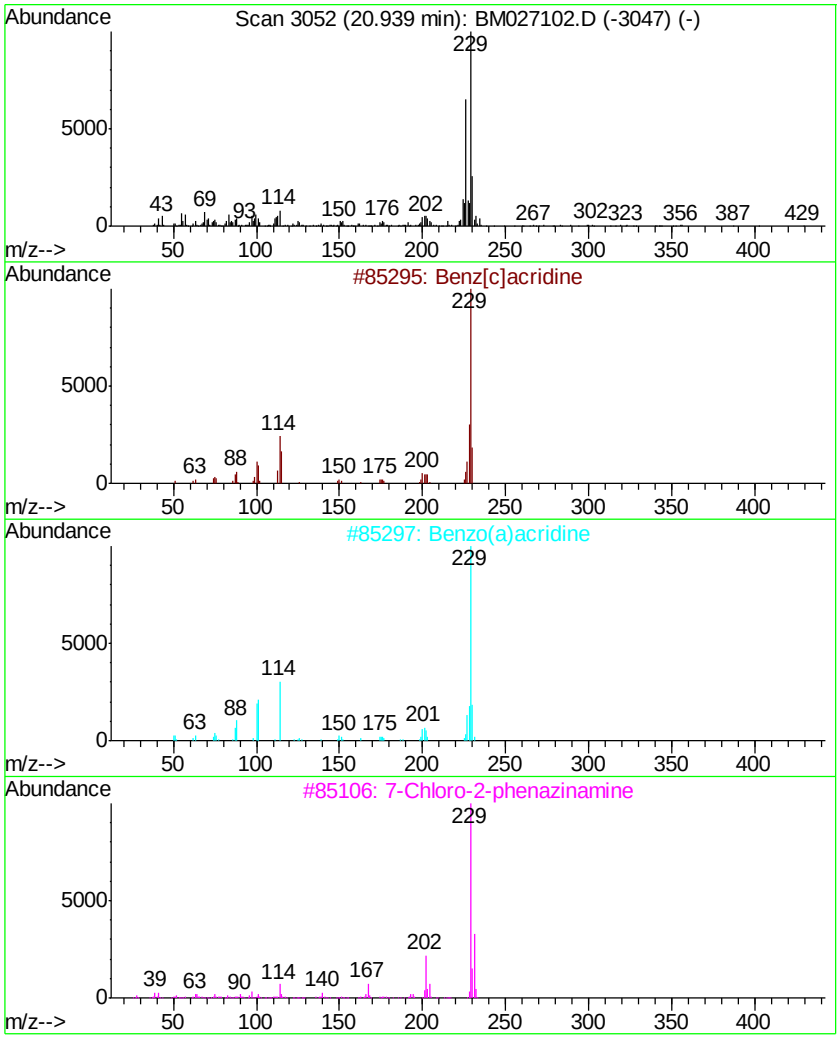
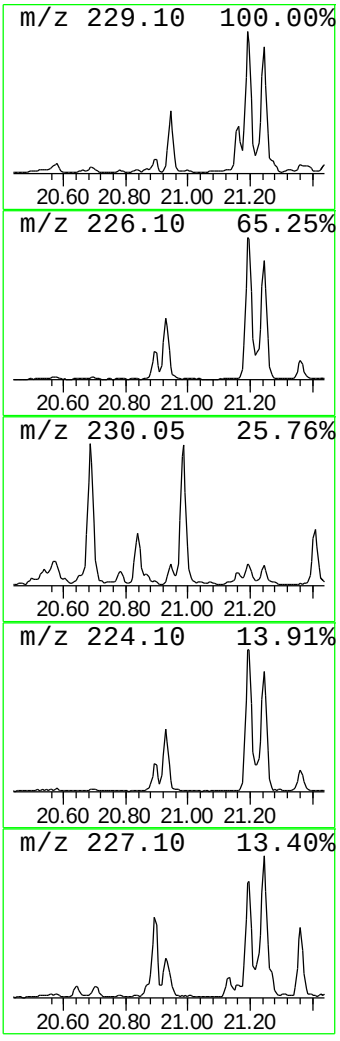
Peak Number 13 Benz[c]acridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.42 ng/ul	622989	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	74
2	Benzo(a)acridine	229	C17H11N	000225-11-6	59
3	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	58
4	Silane, diethyl(cis-4-methylcycl...	258	C14H30O2Si	1000363-54-8	40
5	Ferrocene, [(hydroxyimino)methyl...	229	C11H11FeNO	032679-08-6	40





Library Search Compound Report

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Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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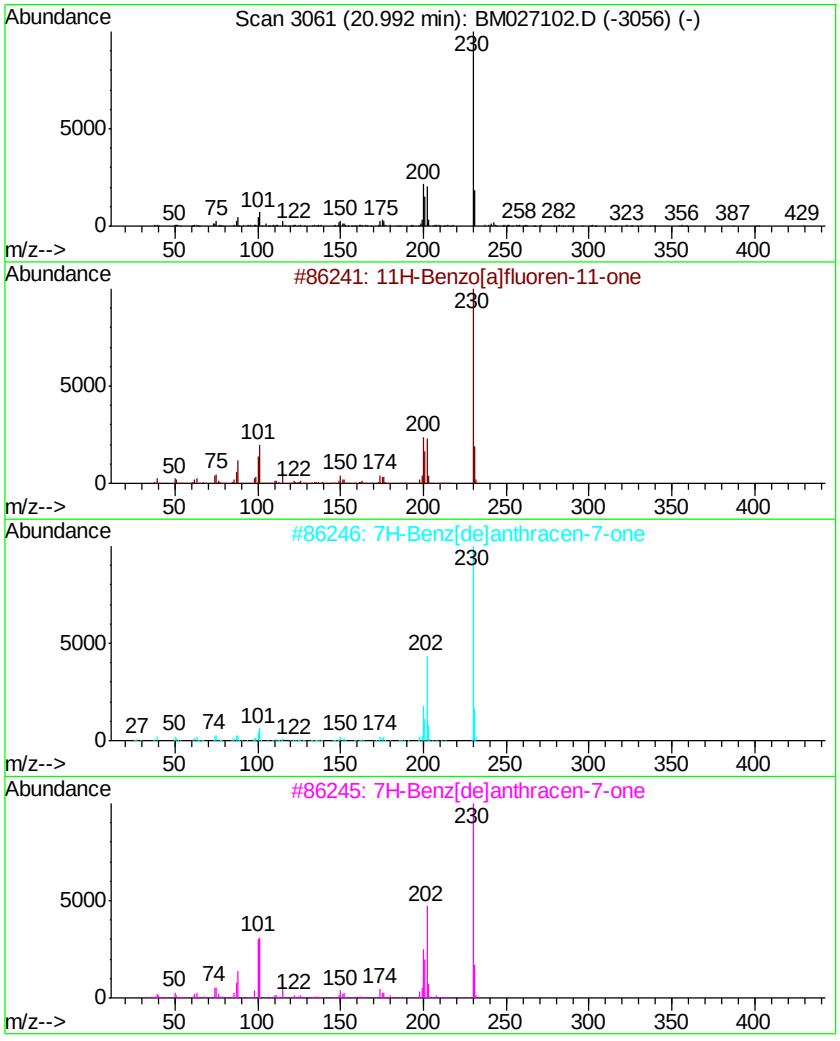
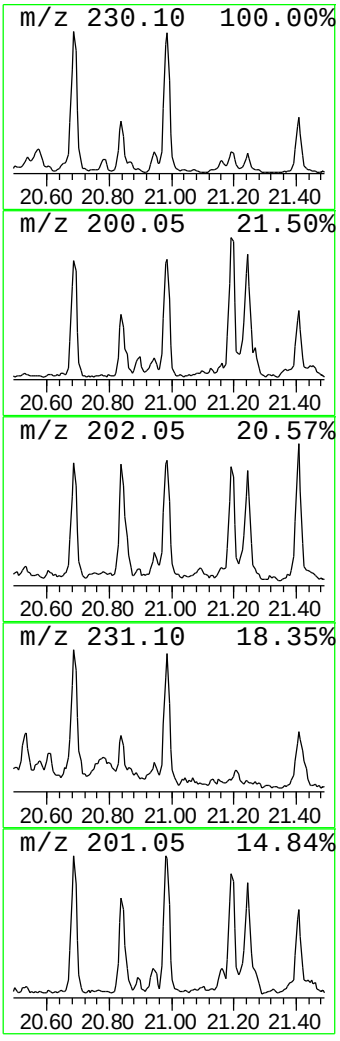
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.05 ng/ul	526153	Chrysene-d12	21.21

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	91
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72





Library Search Compound Report

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Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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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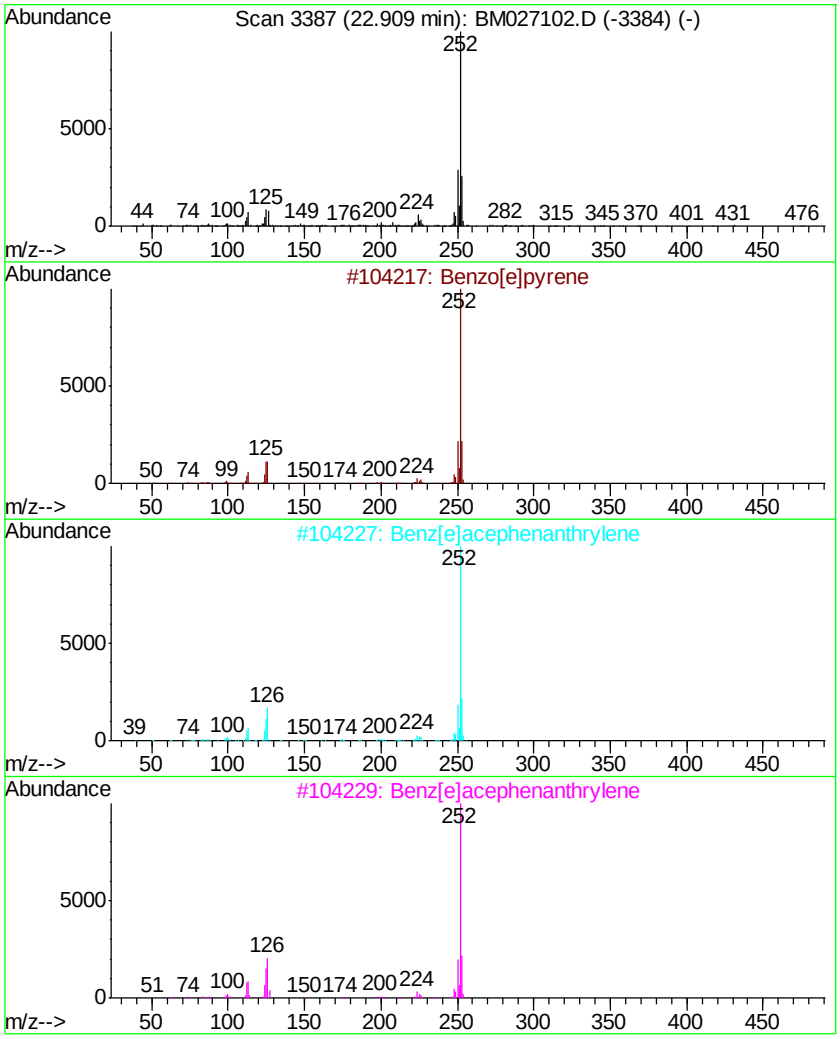
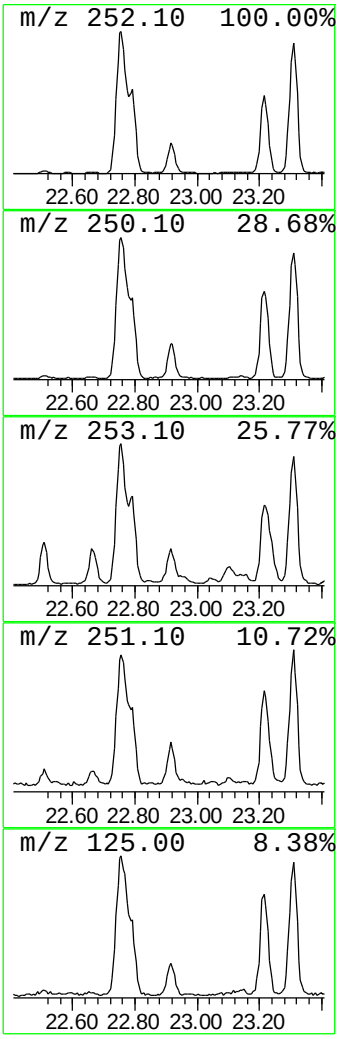
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.91	4.04 ng/ul	410543	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081320\
Data File : BM027102.D
Acq On : 15 Aug 2020 00:33
Operator : JU/CG
Sample : L3631-20
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFMN6

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
Phenanthrene, 2-m...	17.89	4.3	ng/ul	370876	4	17.02	1715300	20.0
Phenanthrene, 1-m...	17.94	6.0	ng/ul	514017	4	17.02	1715300	20.0
1H-Indene, 2-phenyl-	18.02	2.7	ng/ul	233195	4	17.02	1715300	20.0
Benzaldehyde, 3,5...	18.08	6.8	ng/ul	587379	4	17.02	1715300	20.0
Anthracene, 9-met...	18.12	3.0	ng/ul	258099	4	17.02	1715300	20.0
5,16[1',2']:8,13[...	18.40	3.6	ng/ul	306575	4	17.02	1715300	20.0
Phenanthrene, 2,5...	18.82	4.2	ng/ul	362194	4	17.02	1715300	20.0
unknown-01	18.88	2.4	ng/ul	209327	4	17.02	1715300	20.0
Cyclopenta(def)ph...	18.95	3.8	ng/ul	329652	4	17.02	1715300	20.0
Benzo[b]naphtho[2...	19.76	3.1	ng/ul	809863	5	21.21	5143170	20.0
11H-Benzo[b]fluorene	19.94	2.2	ng/ul	576790	5	21.21	5143170	20.0
Pyrene, 1-methyl-	20.10	2.3	ng/ul	585779	5	21.21	5143170	20.0
Benz[c]acridine	20.94	2.4	ng/ul	622989	5	21.21	5143170	20.0
11H-Benzo[a]fluor...	20.99	2.0	ng/ul	526153	5	21.21	5143170	20.0
Benzo[e]pyrene	22.91	4.0	ng/ul	410543	6	23.40	2031540	20.0