LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

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-BM101419MA.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	6.828	646	653	665	rBV	647809	1114947	3.00%	0.285%
2	6.993	675	681	688	rBV	576670	901653	2.43%	0.230%
3	7.187	707	714	725	rVB	744334	1184924	3.19%	0.302%
4	7.651	786	793	800	rBV	2171011	3369471	9.07%	0.860%
5	8.357	906	913	920	rBV	659938	1019885	2.75%	0.260%
6	8.798	980	988	995	rBV	682838	1134032	3.05%	0.289%
7	9.516	1103	1110	1118	rBV	541354	891740	2.40%	0.228%
8	10.057	1195	1202	1211	rBV	886506	1457770	3.92%	0.372%
9	10.434	1257	1266	1273	rBV	2835552	4802130	12.93%	1.226%
10	10.563	1281	1288	1297	rBV	498139	885515	2.38%	0.226%
11	13.710	1818	1823	1828	rBV	1554022	2163625	5.83%	0.552%
12	13.757	1828	1831	1837	rVB	624252	844216	2.27%	0.215%
13	13.986	1857	1870	1873	rBV	1904801	3183058	8.57%	0.812%
14	14.298	1916	1923	1929	rBV	4331050	6423370	17.29%	1.640%
15	14.492	1951	1956	1966	rBV	377027	588702	1.58%	0.150%
16	14.698	1985	1991	1993	rBV	156342	261131	0.70%	0.067%
17	15.292	2086	2092	2097	rBV	2461269	3496215	9.41%	0.892%
18	15.345	2097	2101	2107	rVV3	130648	217861	0.59%	0.056%
19	15.410	2107	2112	2119	rVV	513261	721822	1.94%	0.184%
20	15.792	2171	2177	2185	rVV	144793	318144	0.86%	0.081%
21	16.586	2304	2312	2315	rBV2	137821	248653	0.67%	0.063%
22	16.692	2326	2330	2339	rVB	942754	1336359	3.60%	0.341%
23	16.780	2339	2345	2352	rBV4	159313	415454	1.12%	0.106%
24	16.857	2352	2358	2368	rVB	467986	808450	2.18%	0.206%
25	17.039	2383	2389	2393	rVV2	5309258	8109375	21.83%	2.070%
26	17.086	2393	2397	2402	rVV	10647219	14447090	38.90%	3.688%
27	17.139	2402	2406	2409	rVV	2834431	4003216	10.78%	1.022%
28	17.174	2409	2412	2417	rVV	1925876	2530333	6.81%	0.646%
29	17.233	2417	2422	2429	rVB4	158371	267082	0.72%	0.068%
30	17.439	2449	2457	2462	rBV	1367872	2105261	5.67%	0.537%
31	17.568	2475	2479	2483	rBV2	211144	277468	0.75%	0.071%
32	17.621	2484	2488	2498	rVB3	321446	536446	1.44%	0.137%
33	17.833	2520	2524	2529	rBV2	174592	245418	0.66%	0.063%
34	17.915	2529	2538	2542	rBV	1299117	1972223	5.31%	0.503%

LSC Area Percent Report

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Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

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-BM101419MA.M
Title : SVOA CALIBRATION

35	17.968	2542	2547	2555	rVB	2746786	3892157	10.48%	0.993%
36	18.045	2555	2560	2565	rVB	584983	797270	2.15%	0.204%
37	18.110	2565	2571	2575	rBV2	1490466	2705603	7.28%	0.691%
38	18.151	2575	2578	2583	rVB	899668	1180359	3.18%	0.301%
39	18.221	2586	2590	2593	rBV	129642	243097	0.65%	0.062%
40	18.263	2594	2597	2602	rVB2	223753	292818	0.79%	0.075%
41	18.421	2619	2624	2627	rBV	1520378	2077228	5.59%	0.530%
42	18.457	2627	2630	2637	rVB	2175370	2887960	7.78%	0.737%
43	18.674	2663	2667	2671	rVV2	382321	563305	1.52%	0.144%
44	18.721	2672	2675	2679	rVV	342652	444082	1.20%	0.113%
45	18.762	2679	2682	2686	rVB2	387788	472392	1.27%	0.121%
46	18.845	2689	2696	2701	rBV	1115888	1817352	4.89%	0.464%
47	18.904	2701	2706	2709	rVV2	418340	827273	2.23%	0.211%
48	18.939	2709	2712	2715	rVV	364422	505632	1.36%	0.129%
49	18.980	2715	2719	2728	rVB	1925401	2770507	7.46%	0.707%
50	19.110	2734	2741	2747	rVB	26416165	37143106	100.00%	9.481%
51	19.180	2749	2753	2755	rVV	232984	324088	0.87%	0.083%
52	19.204	2755	2757	2762	rVB3	350031	451092	1.21%	0.115%
53	19.257	2762	2766	2770	rBV	834528	1027199	2.77%	0.262%
54	19.310	2770	2775	2777	rBV2	471842	724745	1.95%	0.185%
55	19.345	2778	2781	2787	rVB	790736	1127398	3.04%	0.288%
56	19.445	2792	2798	2799	rBV	7202485	9657221	26.00%	2.465%
57	19.474	2799	2803	2810	rVV	22202384	30732380	82.74%	7.845%
58	19.545	2810	2815	2822	rVB2	1003490	1718370	4.63%	0.439%
59	19.651	2828	2833	2838	rBV	1504978	1924995	5.18%	0.491%
60	19.709	2838	2843	2849	rVB2	694475	1221892	3.29%	0.312%
61	19.804	2851	2859	2864	rBV3	1392581	3749671	10.10%	0.957%
62	19.845	2864	2866	2870	rVB	562966	621418	1.67%	0.159%
63	19.933	2876	2881	2885	rBV4	1078984	2170402	5.84%	0.554%
64	20.068	2901	2904	2907	rVB3	185365	222088	0.60%	0.057%
65	20.127	2907	2914	2918	rBV2	2124267	3651379	9.83%	0.932%
66	20.168	2918	2921	2924	rVV	418464	520277	1.40%	0.133%
67	20.209	2925	2928	2933	rVB	375129	531423	1.43%	0.136%
68	20.262	2933	2937	2941	rBV	879277	1154580	3.11%	0.295%
69	20.309	2941	2945	2950	rBV2	974787	1476445	3.98%	0.377%
70	20.527	2978	2982	2985	rBV4	510117	807504	2.17%	0.206%
71	20.715	3010	3014	3020	rVB	4047227	5094053	13.71%	1.300%

LSC Area Percent Report

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Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

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-BM101419MA.M
Title : SVOA CALIBRATION

72	20.880	3036	3042	3046	rBV2	2109731	4195686	11.30%	1.071%
73	20.921	3046	3049	3052	rVV	2130557	2731254	7.35%	0.697%
74	20.974	3052	3058	3061	rVV2	2265930	5308842	14.29%	1.355%
75	21.015	3061	3065	3074	rVB	3288841	4760912	12.82%	1.215%
76	21.121	3080	3083	3091	rVB3	494952	867523	2.34%	0.221%
77	21.227	3092	3101	3106	rBV2	18290709	33725520	90.80%	8.609%
78	21.274	3106	3109	3120	rVB	12896992	17514621	47.15%	4.471%
79	21.392	3126	3129	3133	rBV	639814	960665	2.59%	0.245%
80	21.433	3133	3136	3139	rVV3	670922	1120221	3.02%	0.286%
81	21.492	3143	3146	3150	rVB2	960465	1334583	3.59%	0.341%
82	21.545	3151	3155	3161	rBV2	1866781	2868373	7.72%	0.732%
83	21.598	3161	3164	3167	rBV2	542747	630859	1.70%	0.161%
84	21.733	3184	3187	3190	rBV	532924	683763	1.84%	0.175%
85	21.786	3192	3196	3200	rVB	2129756	2767138	7.45%	0.706%
86	21.839	3201	3205	3208	rBV2	1267597	1888514	5.08%	0.482%
87	21.974	3225	3228	3231	rBV	728127	958839	2.58%	0.245%
88	22.245	3272	3274	3280	rBV2	413717	552765	1.49%	0.141%
89	22.521	3317	3321	3335	rVB3	961560	2819747	7.59%	0.720%
90	22.792	3360	3367	3372	rBV	10937360	26618468	71.66%	6.794%
91	22.956	3390	3395	3404	rVB	1881973	2921297	7.86%	0.746%
92	23.086	3413	3417	3428	rBV3	787227	2252004	6.06%	0.575%
93	23.256	3440	3446	3451	rBV	5687285	10431745	28.09%	2.663%
94	23.309	3451	3455	3457	rVV	2321832	3700353	9.96%	0.945%
95	23.350	3457	3462	3472	rVV	8651087	16036390	43.17%	4.093%
96	23.445	3472	3478	3483	rVV	4861944	9577963	25.79%	2.445%
97	23.492	3483	3486	3495	rVB2	2616092	5089858	13.70%	1.299%
98	24.033	3574	3578	3584	rVB	1202041	2108513	5.68%	0.538%
99	25.656	3845	3854	3865	rVB2	5592377	16330202	43.97%	4.168%
100	26.333	3960	3969	3987	rVB	3585306	11197417	30.15%	2.858%

Sum of corrected areas: 391765835

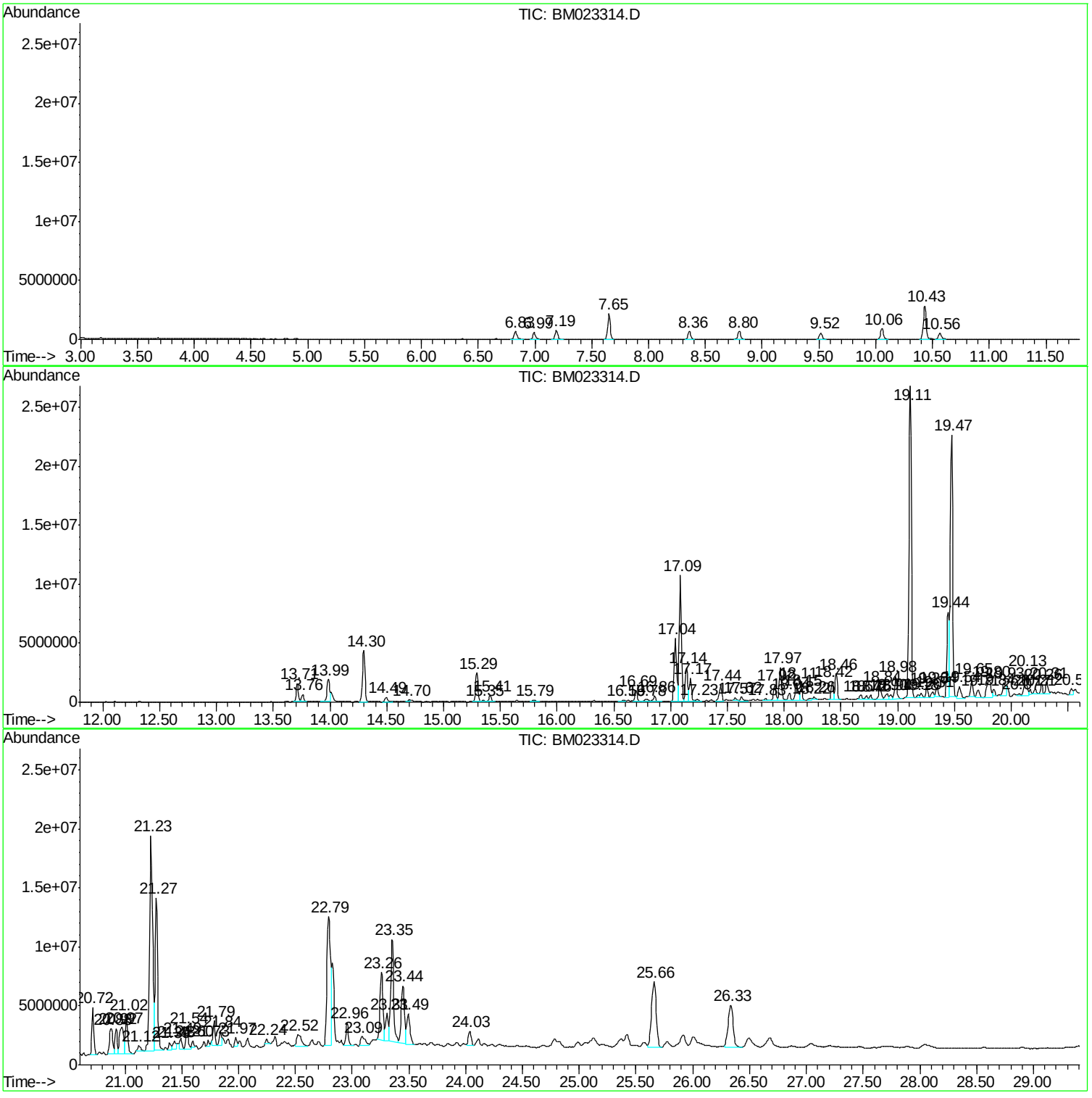
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

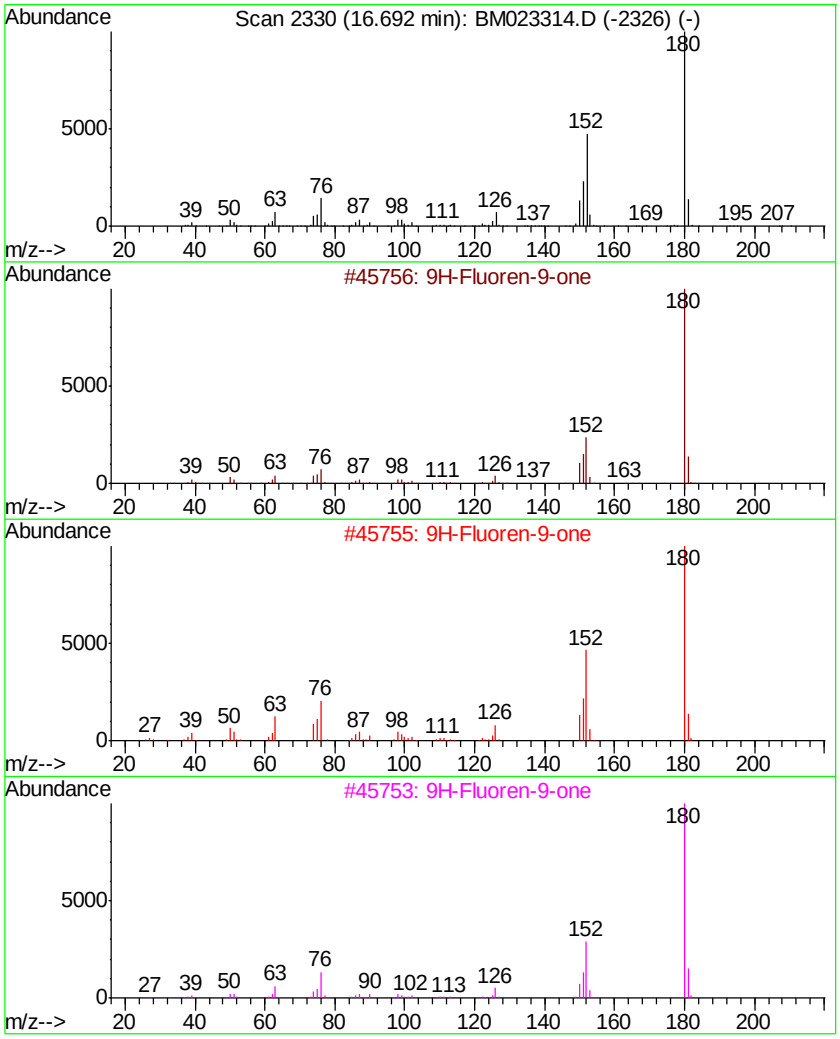
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

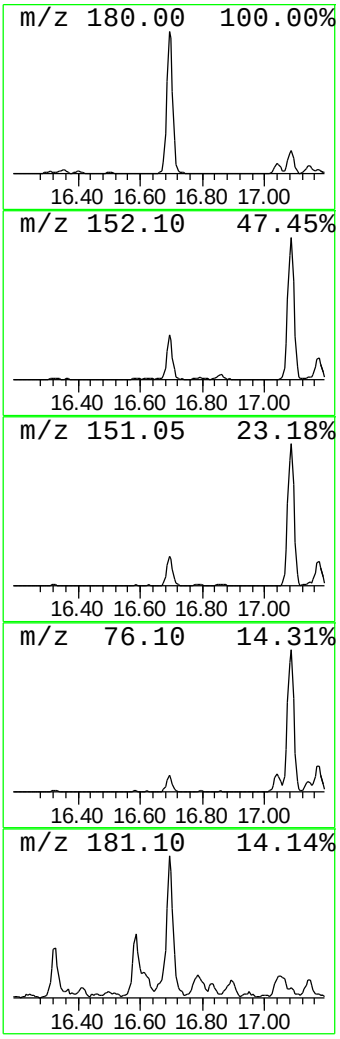
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.30 ng/ul	1336360	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

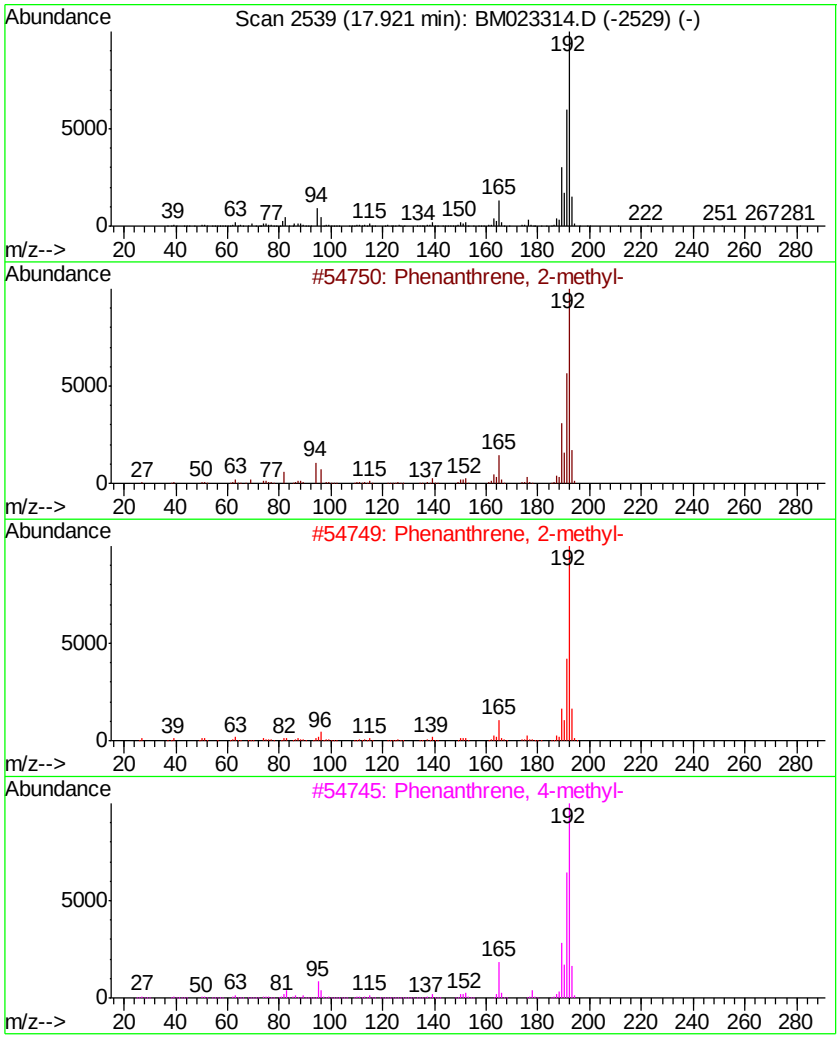
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

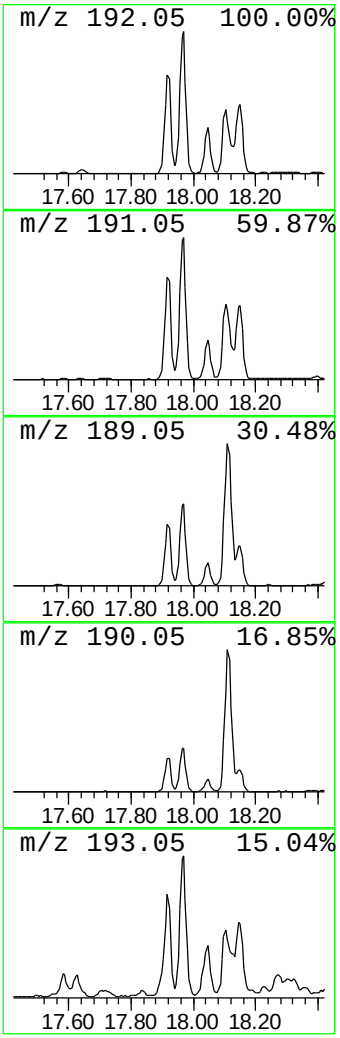
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	4.86 ng/ul	1972220	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

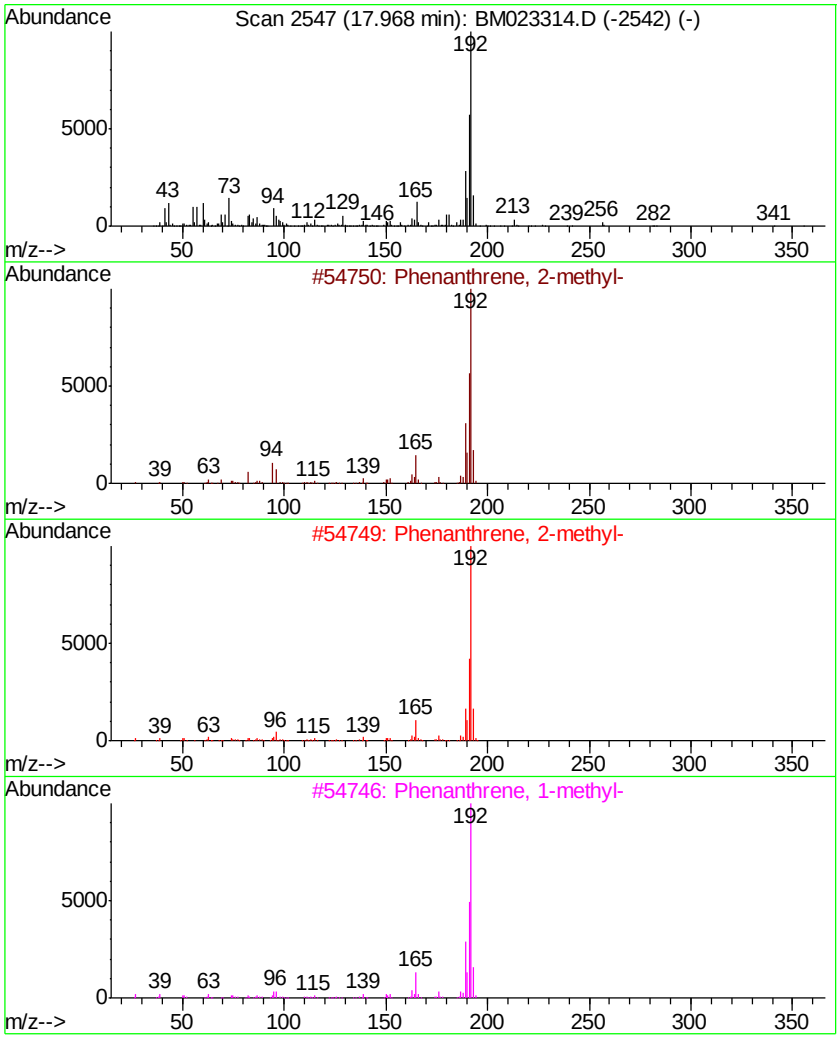
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

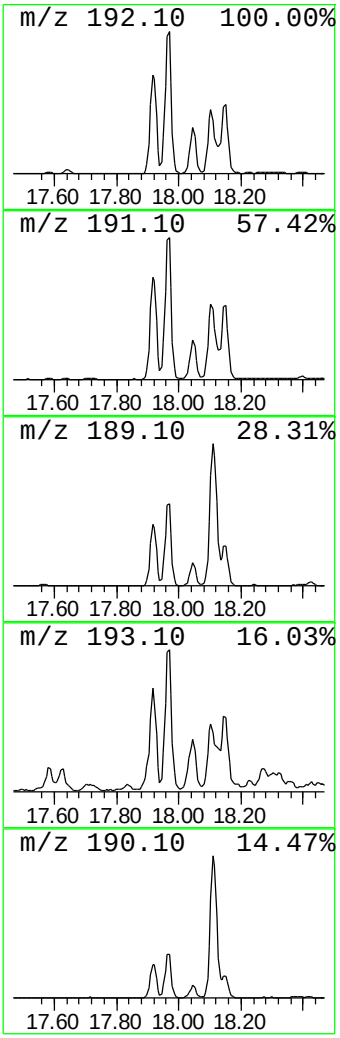
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	9.60 ng/ul	3892160	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

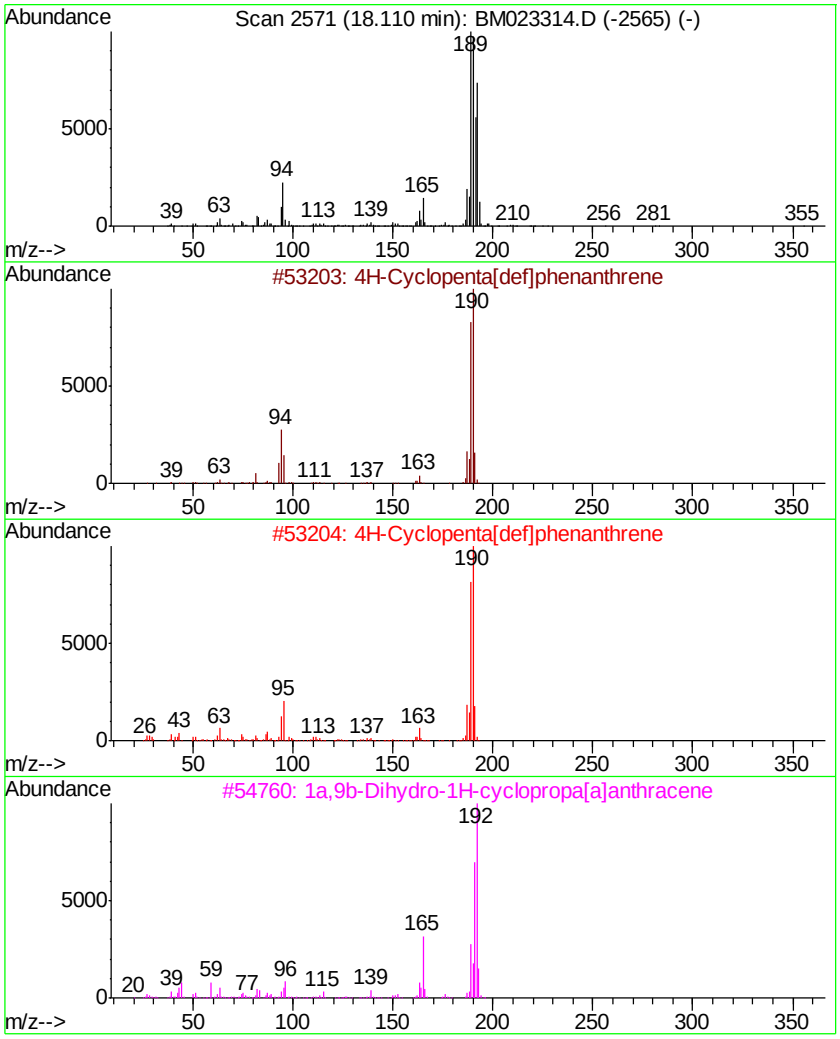
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

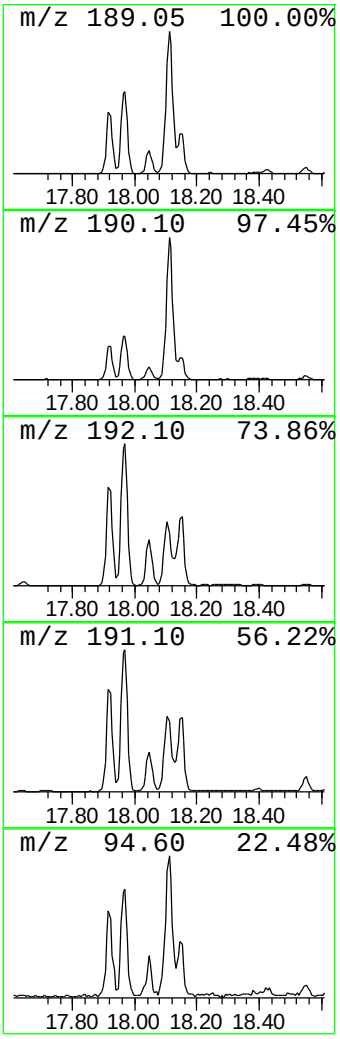
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	6.67 ng/ul	2705600	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

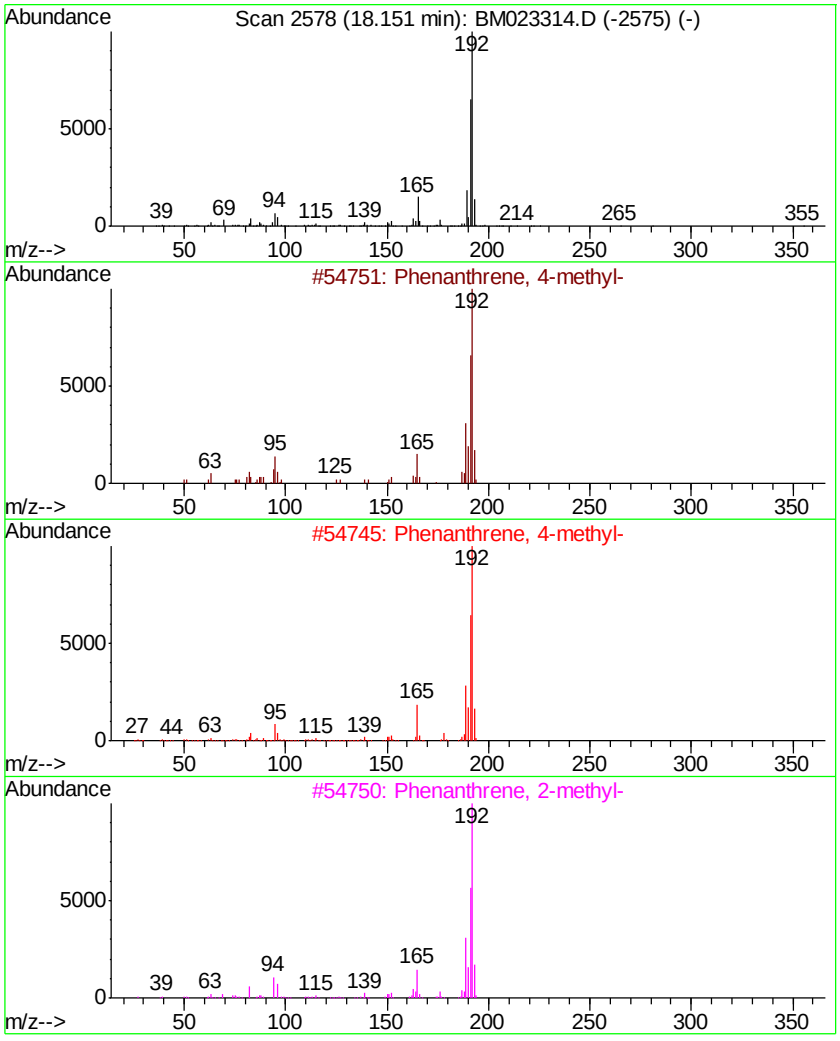
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

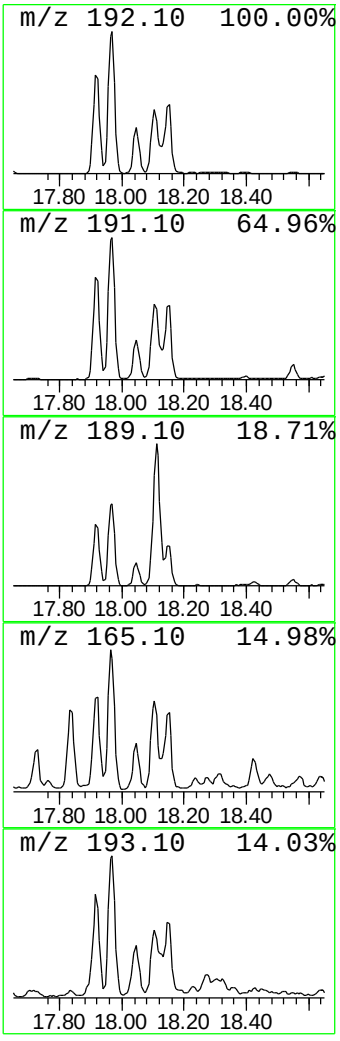
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.91 ng/ul	1180360	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

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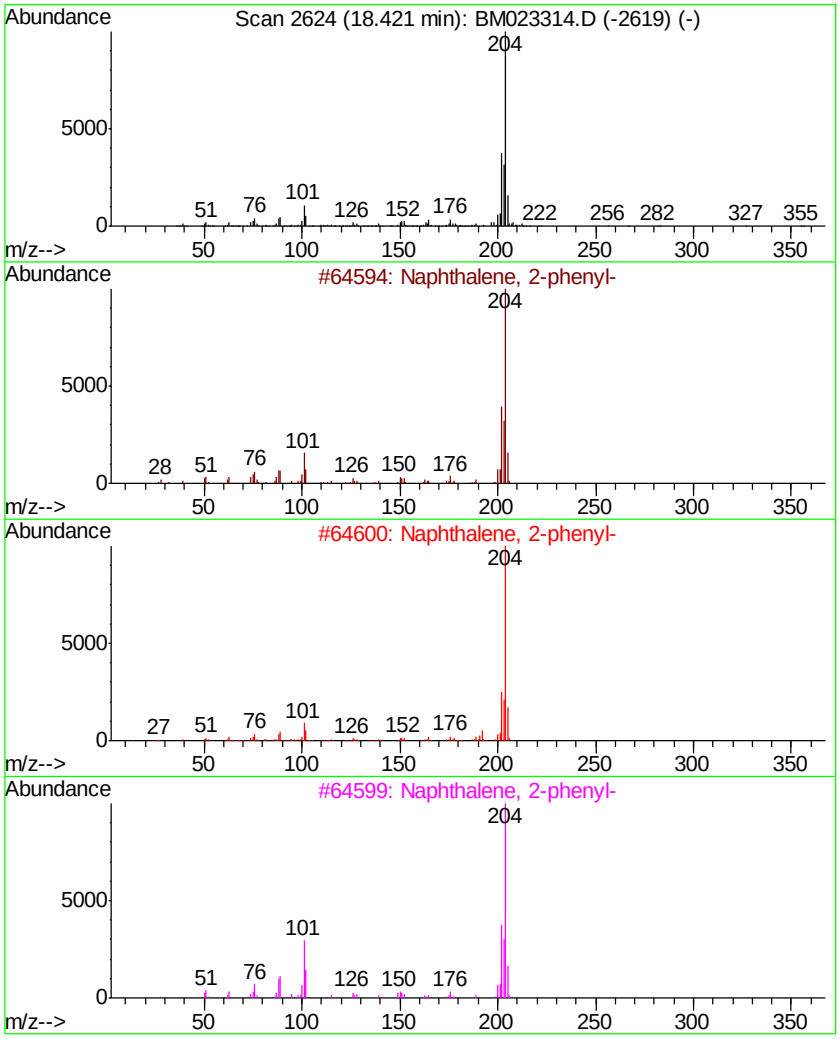
Quant Title : SVOA CALIBRATION

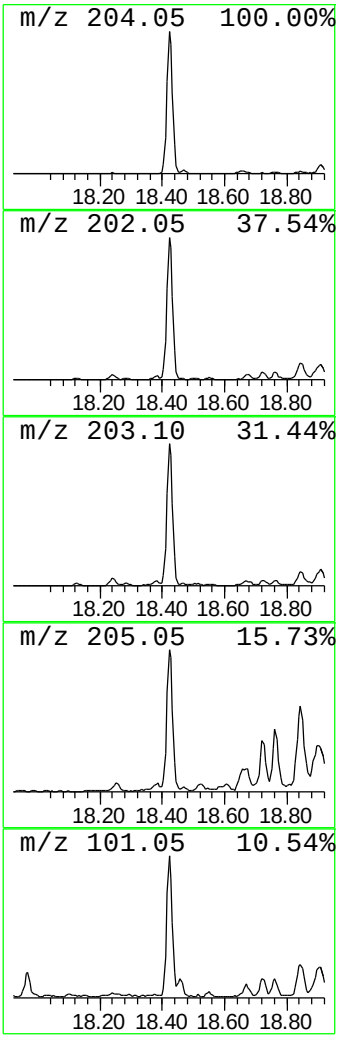
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.12 ng/ul	2077230	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Instrument : BNA_M
ClientSampleId : C0012DL

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Quant Title : SVOA CALIBRATION

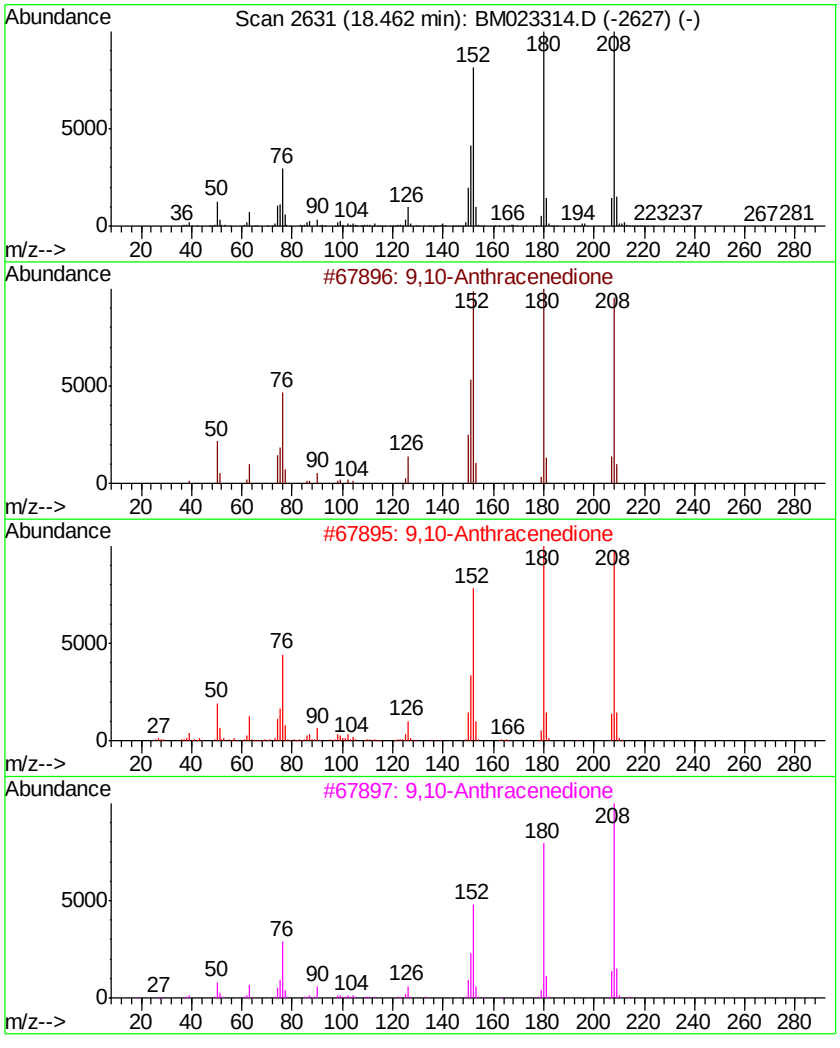
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

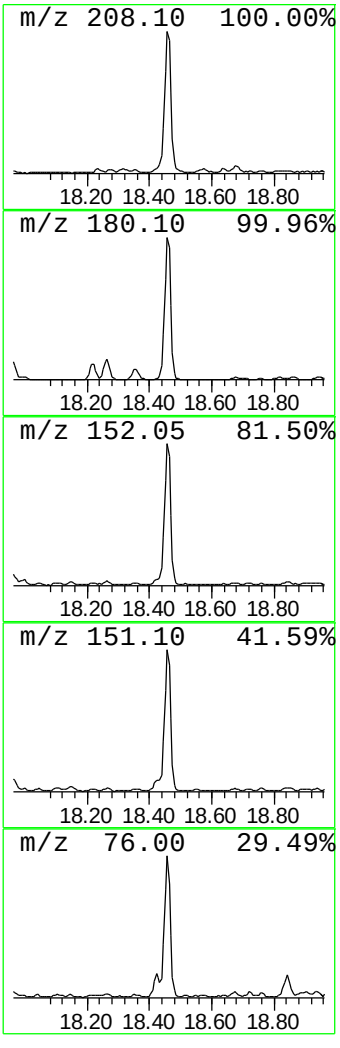
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	7.12 ng/ul	2887960	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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ClientSampleId : C0012DL

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Quant Title : SVOA CALIBRATION

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

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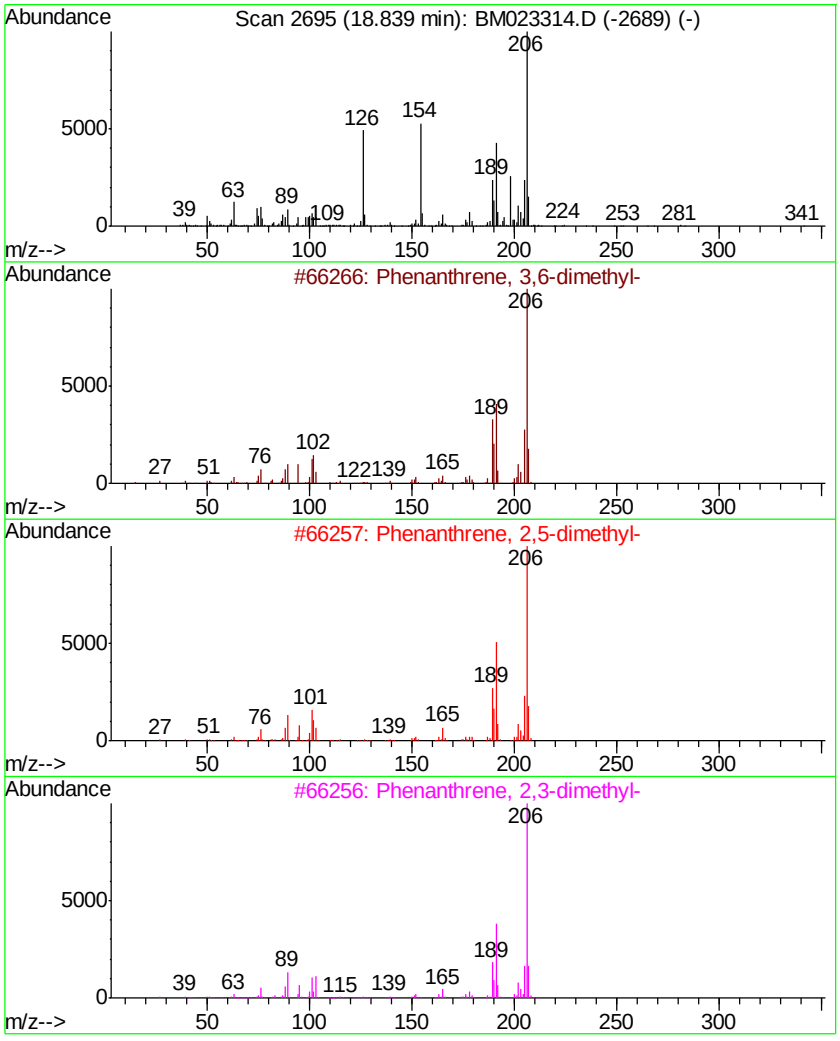
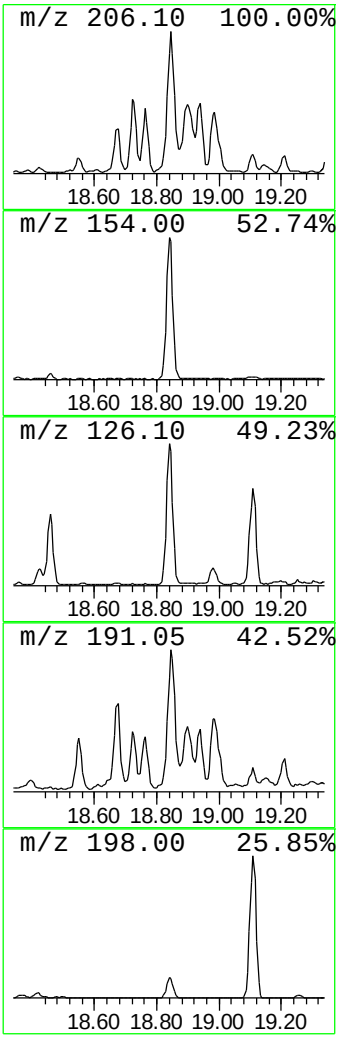
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	4.48 ng/ul	1817350	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	70





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Quant Title : SVOA CALIBRATION

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

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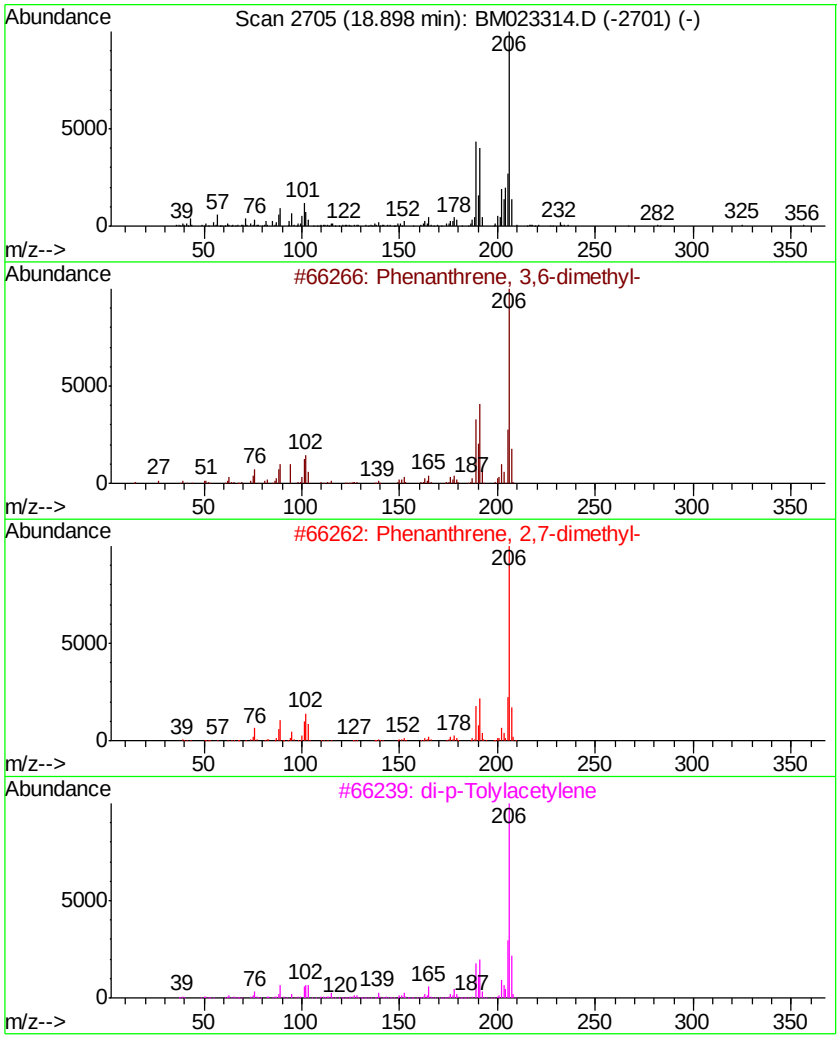
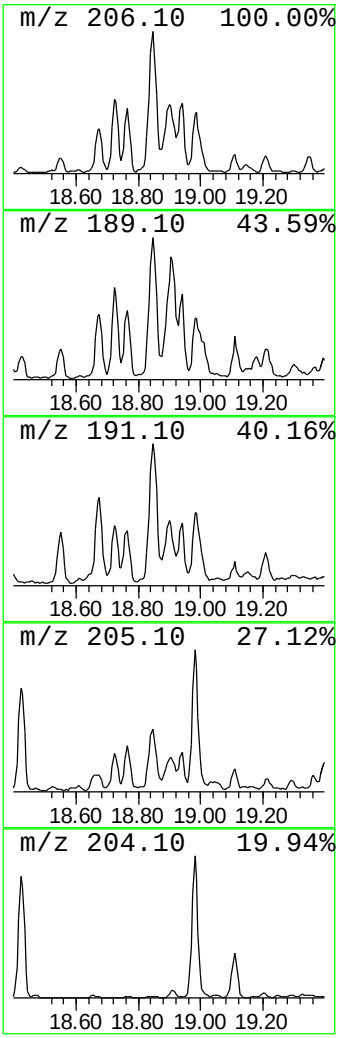
Peak Number 9 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.04 ng/ul	827273	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
5	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	46





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Quant Title : SVOA CALIBRATION

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

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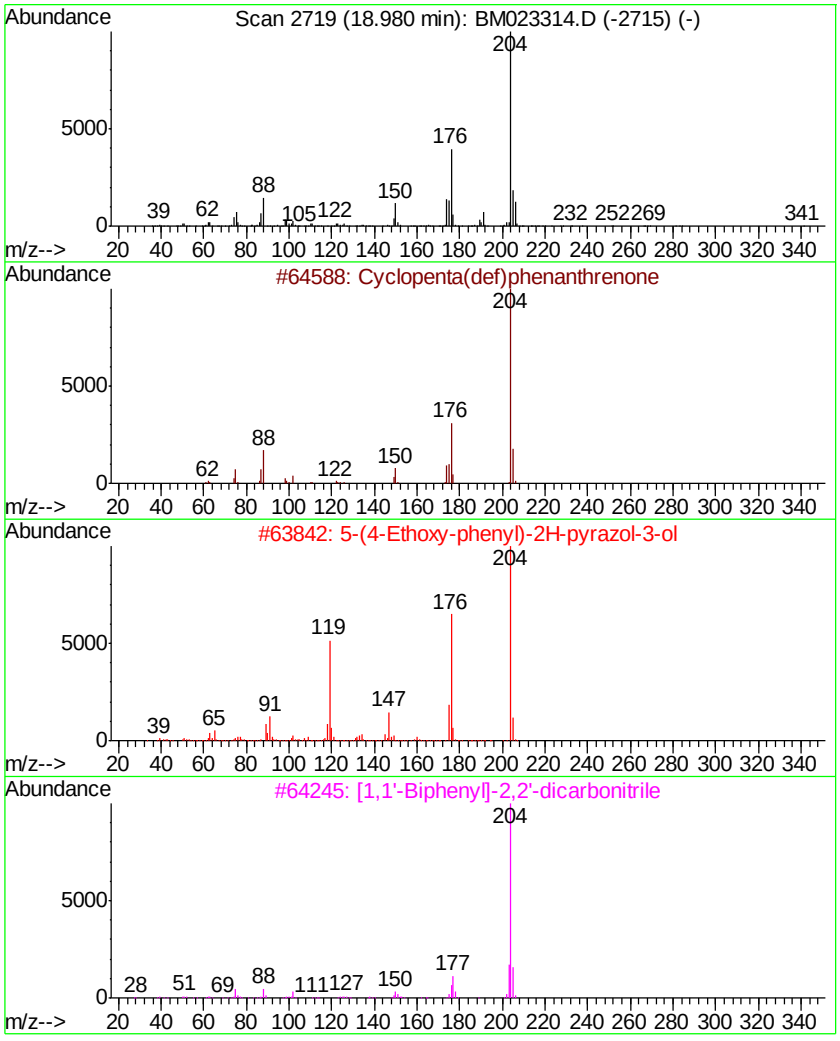
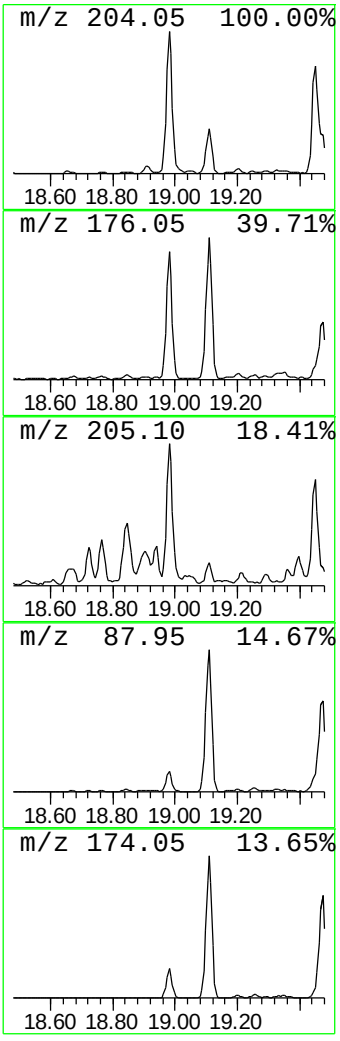
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	6.83 ng/ul	2770510	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	38





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Quant Title : SVOA CALIBRATION

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

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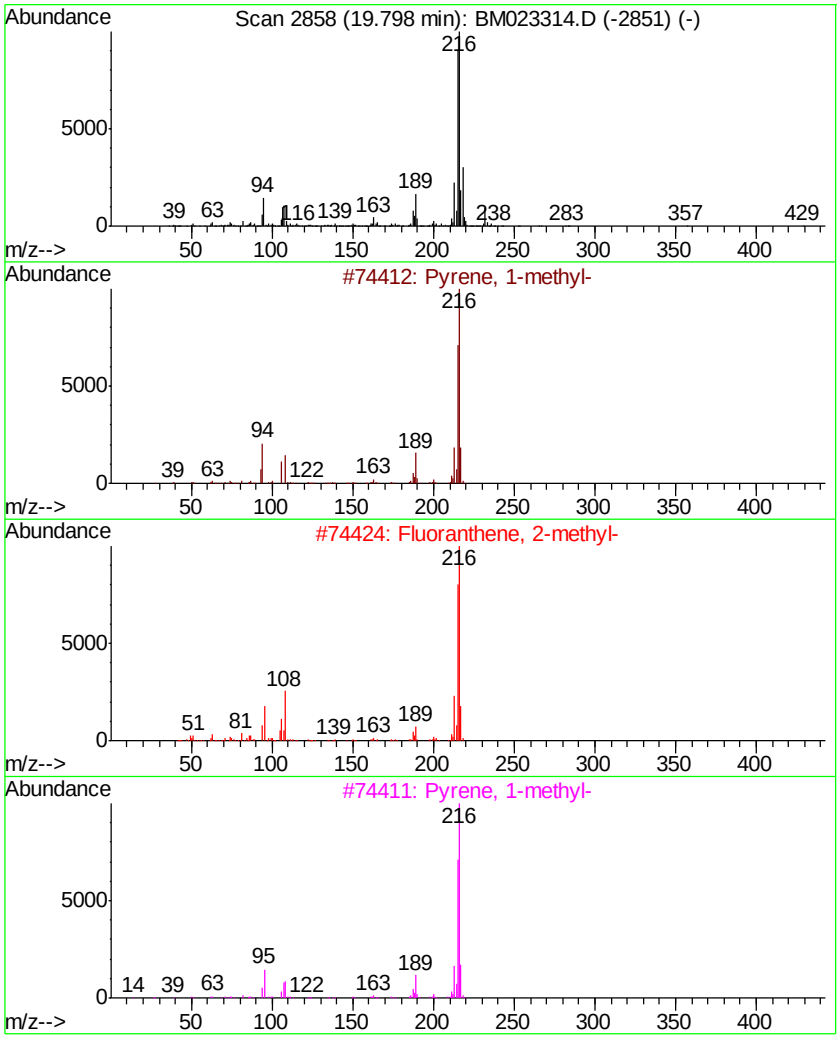
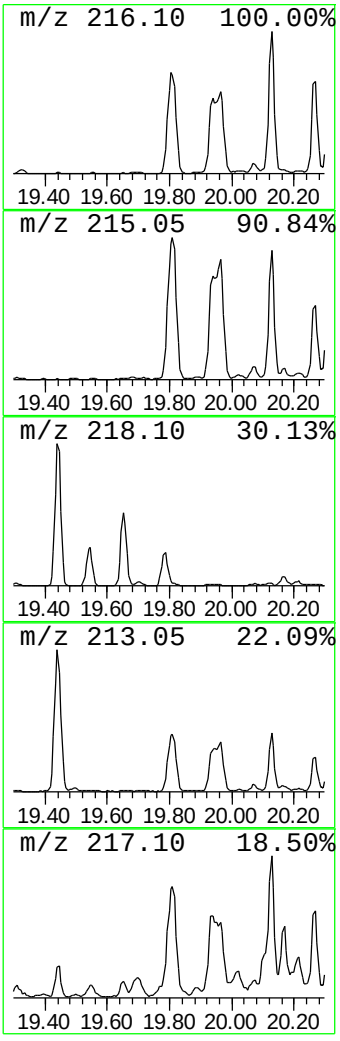
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.22 ng/ul	3749670	Chrysene-d12	21.24

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





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Operator : JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

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Quant Title : SVOA CALIBRATION

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

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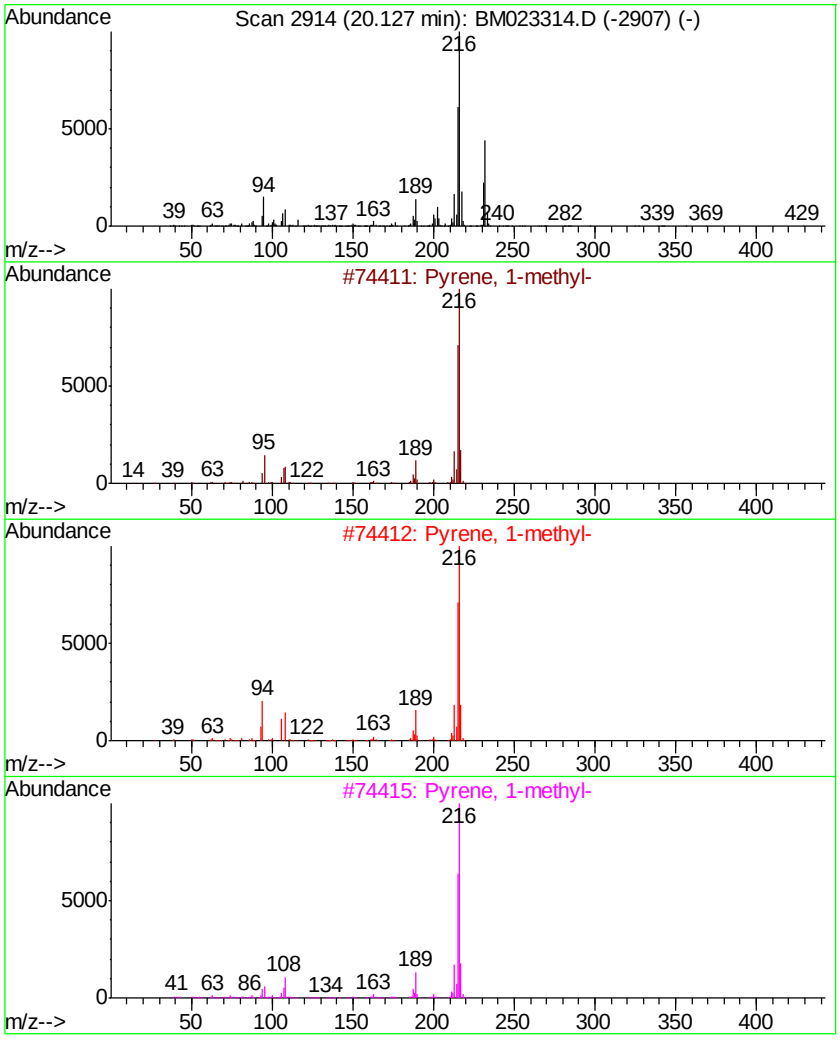
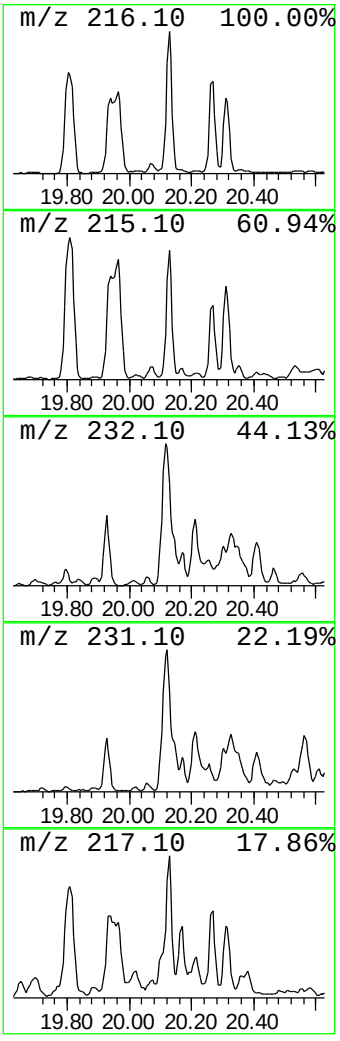
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	2.17 ng/ul	3651380	Chrysene-d12	21.24

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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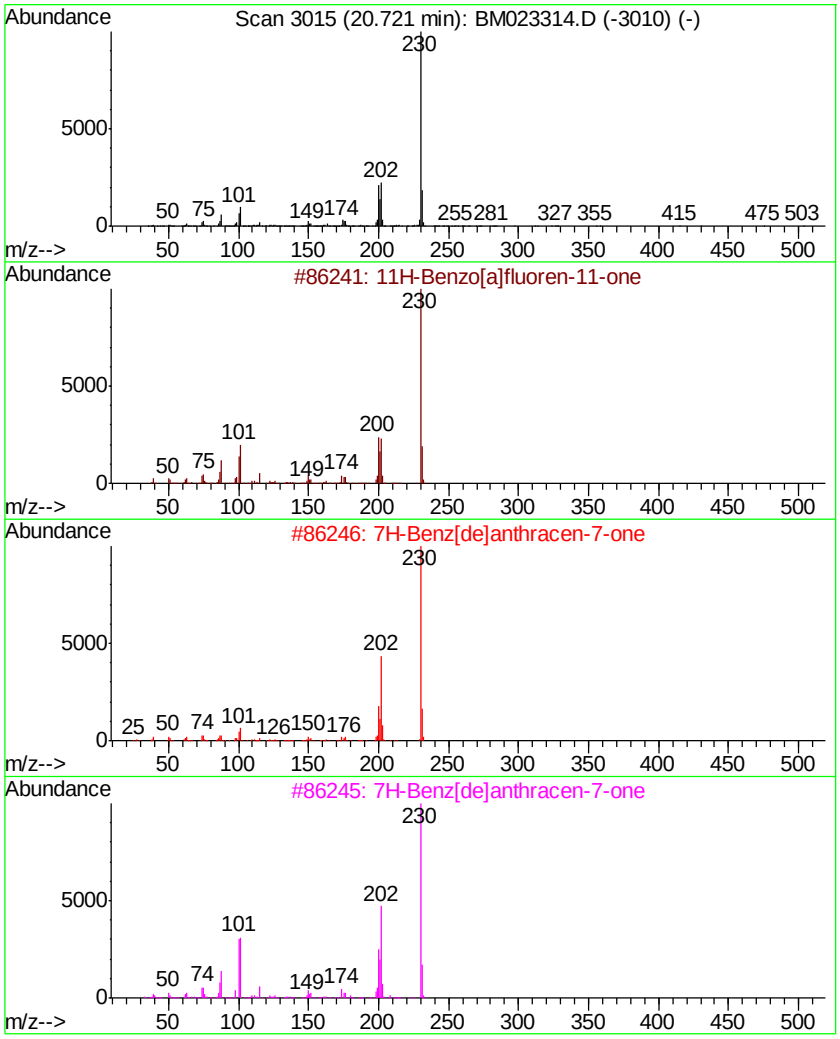
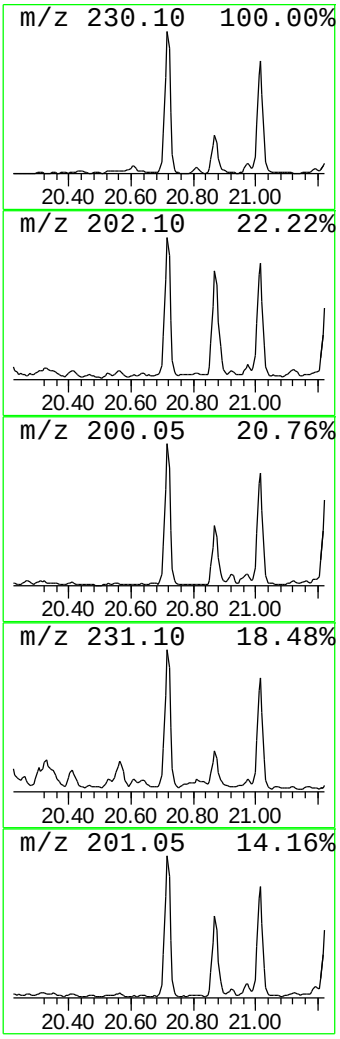
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	3.02 ng/ul	5094050	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Quant Title : SVOA CALIBRATION

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

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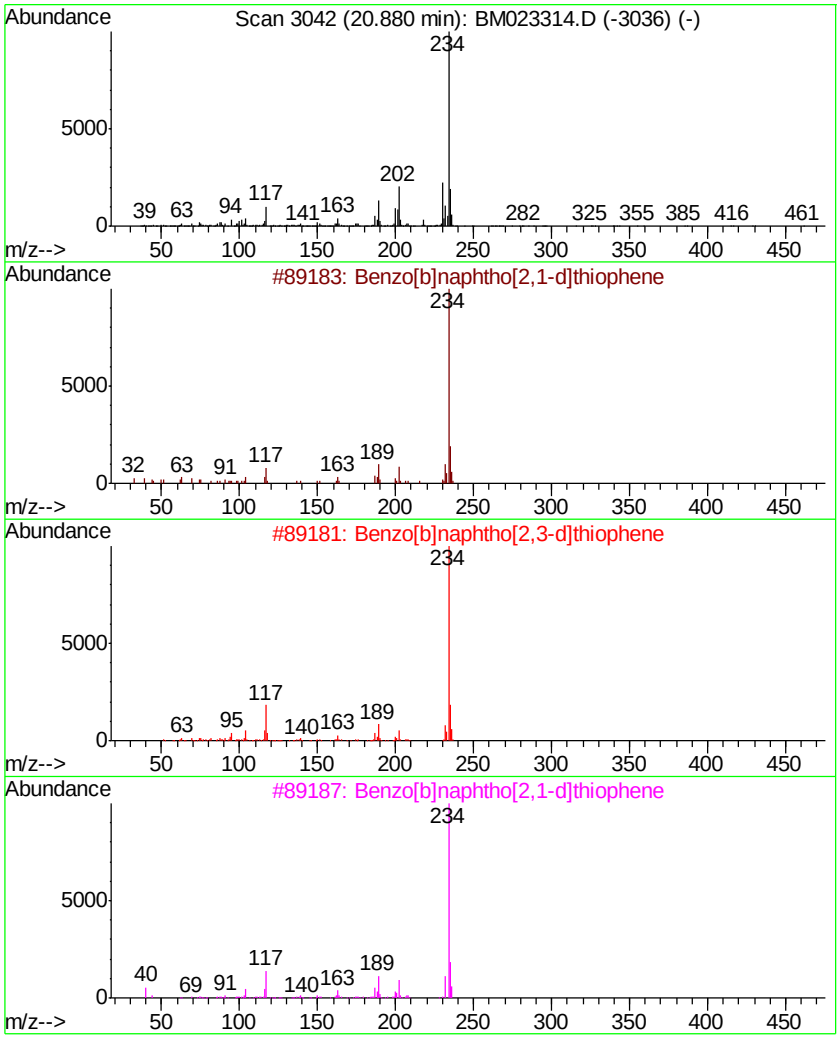
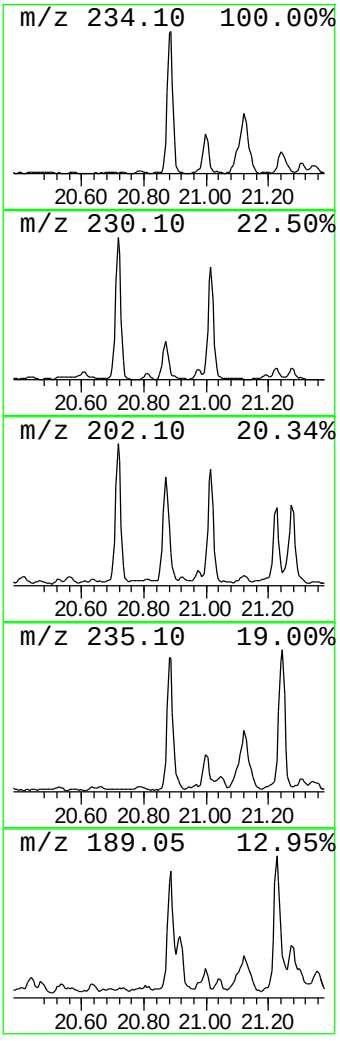
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	2.49 ng/ul	4195690	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	70





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Quant Title : SVOA CALIBRATION

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

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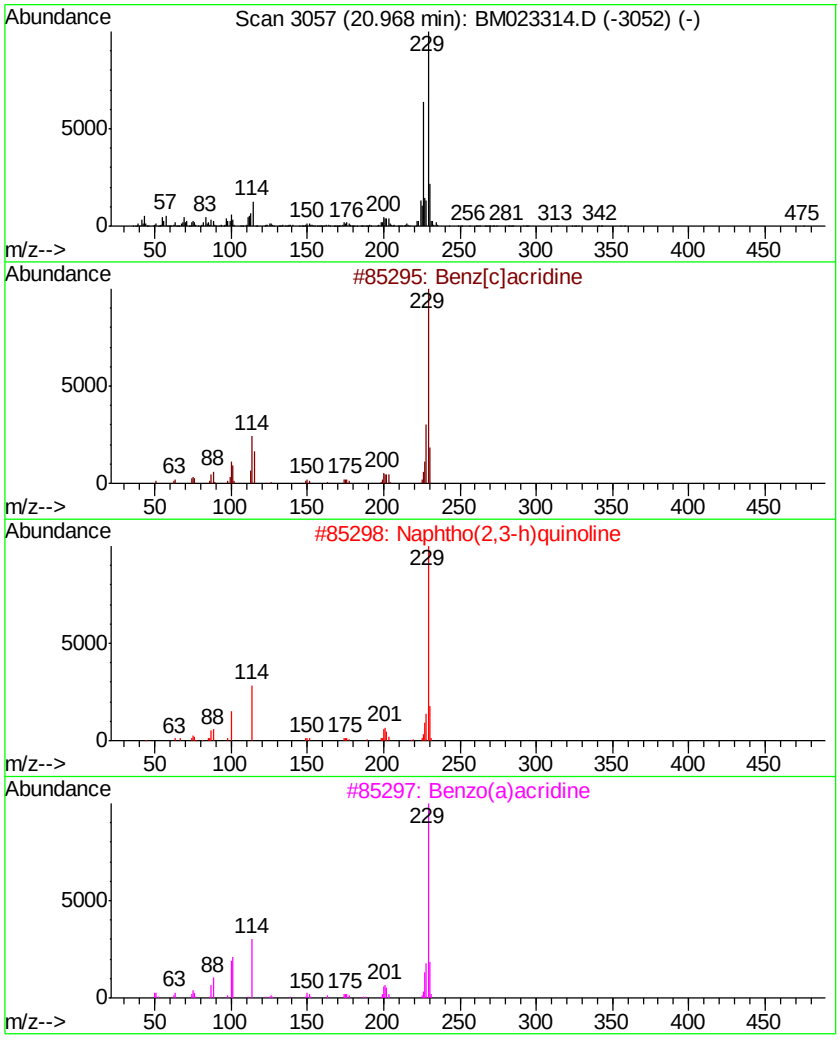
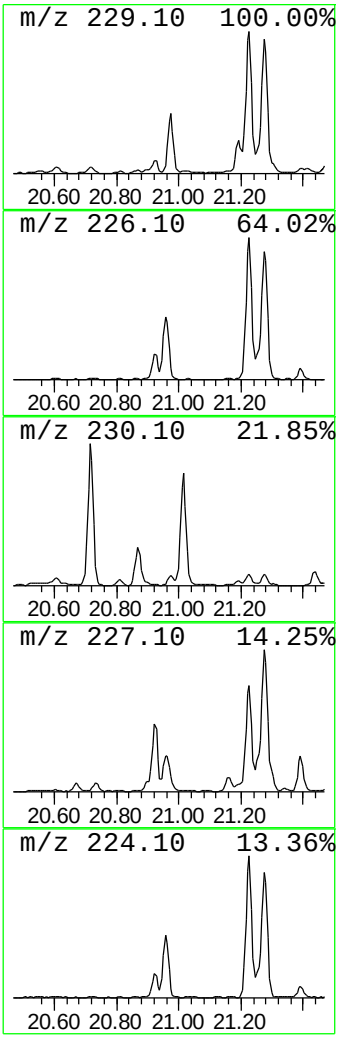
Peak Number 15 Benz[c]acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	3.15 ng/ul	5308840	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	81
2	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	80
3	Benzo(a)acridine	229	C17H11N	000225-11-6	64
4	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	59
5	(10H)Acridin-9-one, 4-chloro-	229	C13H8ClNO	069220-40-2	50





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Quant Title : SVOA CALIBRATION

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

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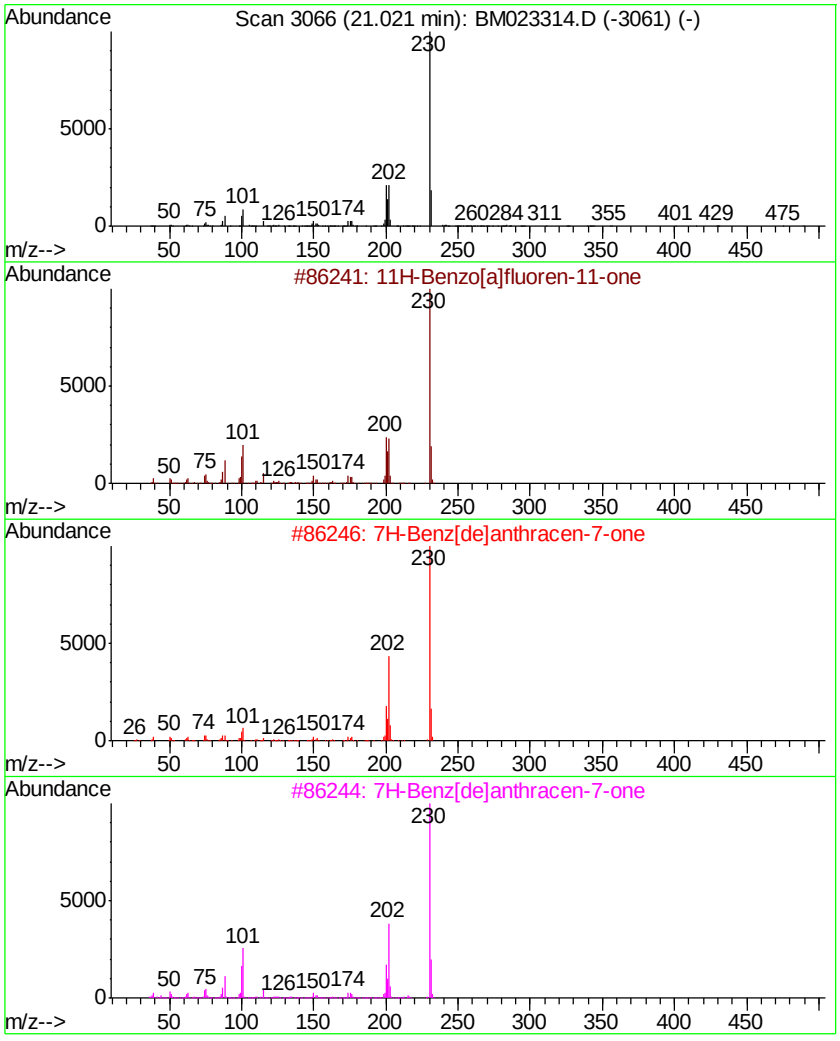
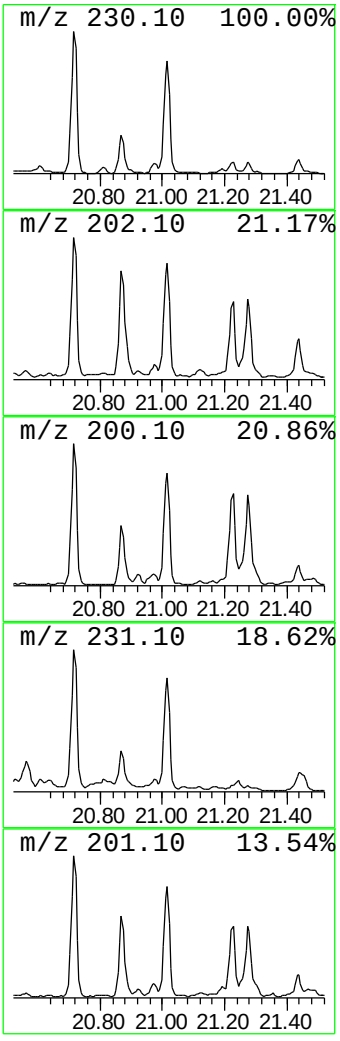
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.82 ng/ul	4760910	Chrysene-d12	21.24

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	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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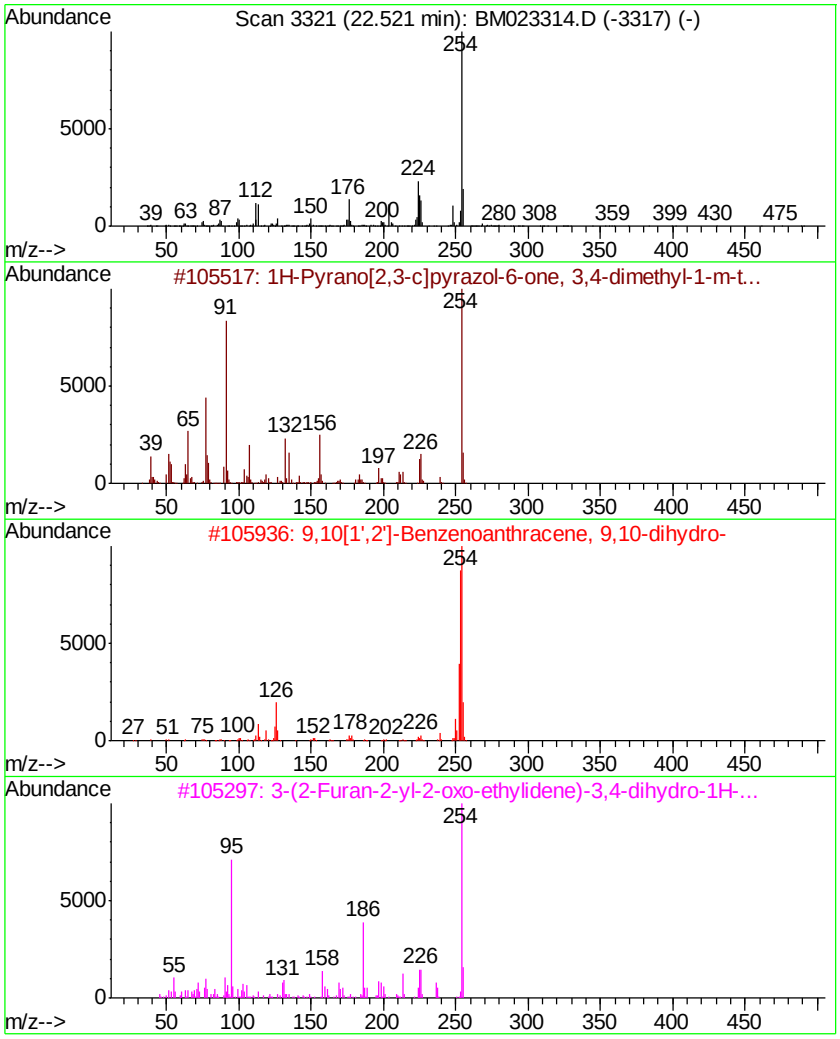
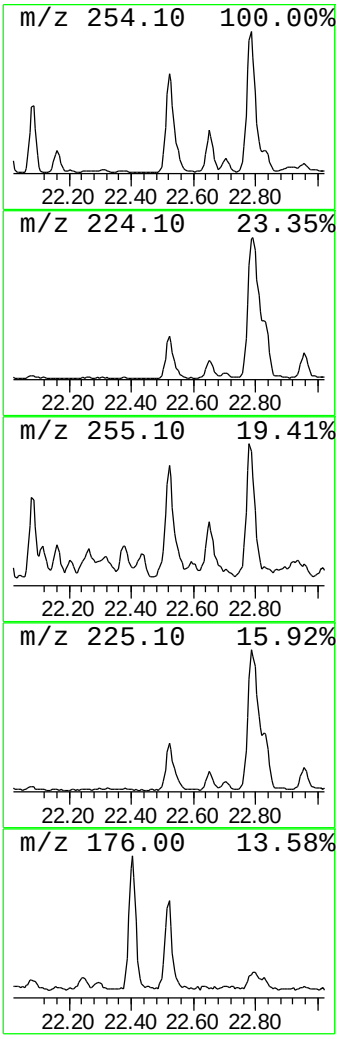
Peak Number 17 1H-Pyrano[2,3-c]pyrazol-6-o... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	5.89 ng/ul	2819750	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrano[2,3-c]pyrazol-6-one, 3...	254	C15H14N2O2	1000316-21-1	52
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50
3	3-(2-Furan-2-yl-2-oxo-ethylidene...	254	C14H10N2O3	1000297-32-1	50
4	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	50
5	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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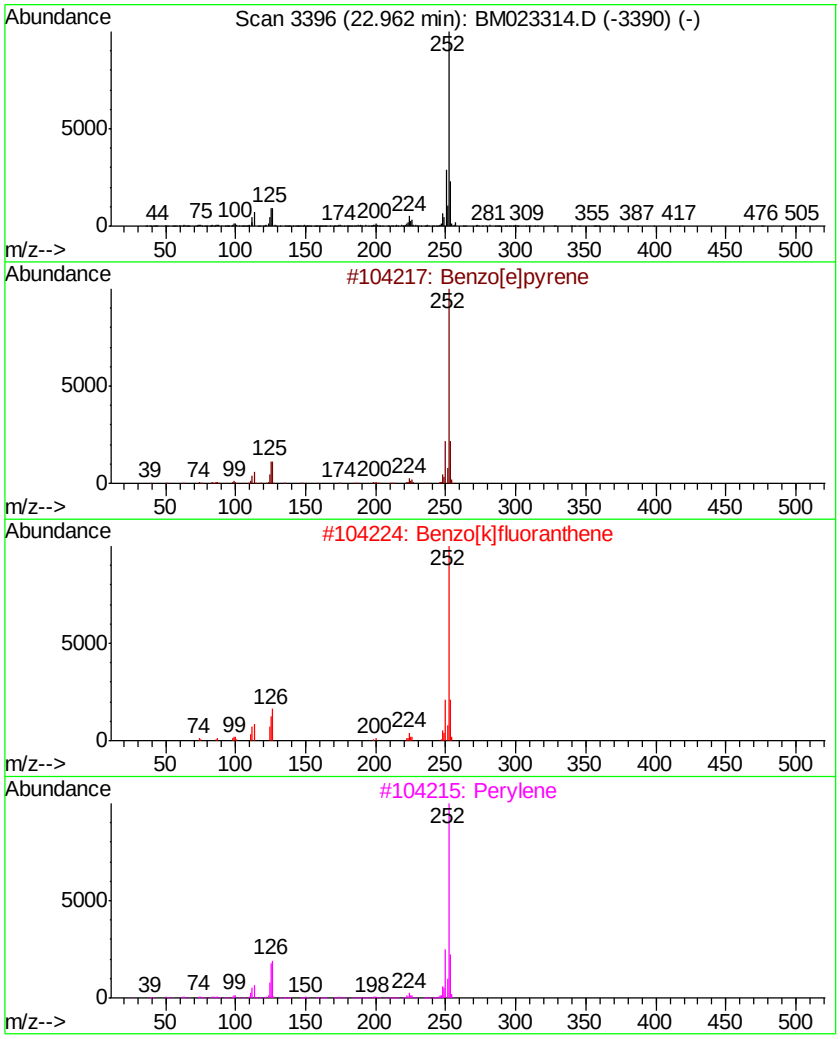
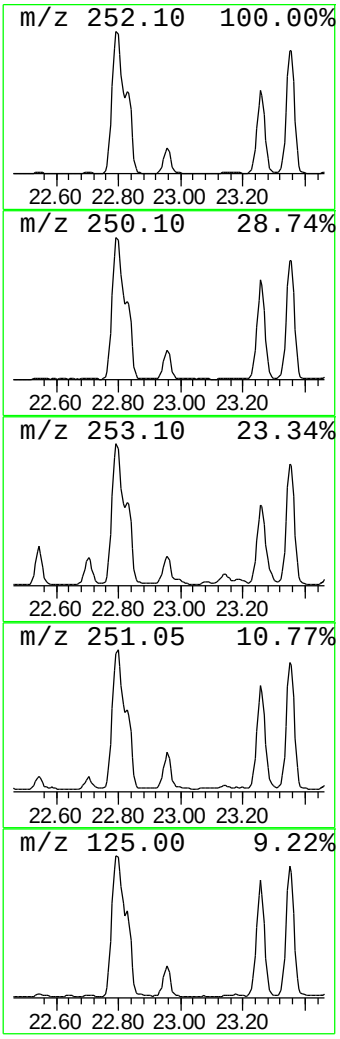
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	6.10 ng/ul	2921300	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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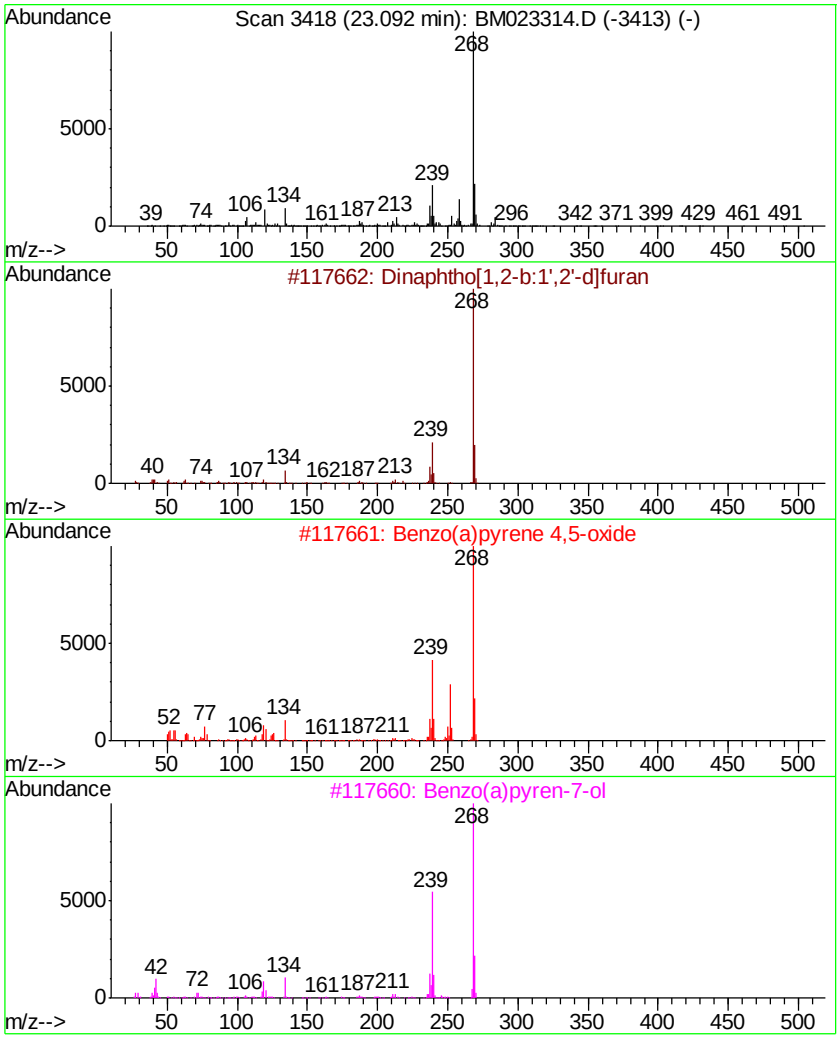
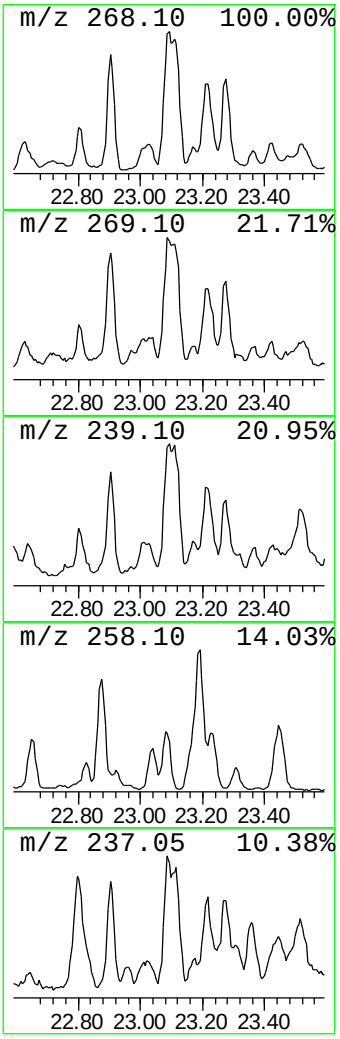
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	4.70 ng/ul	2252000	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





Library Search Compound Report

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Data File : BM023314.D
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Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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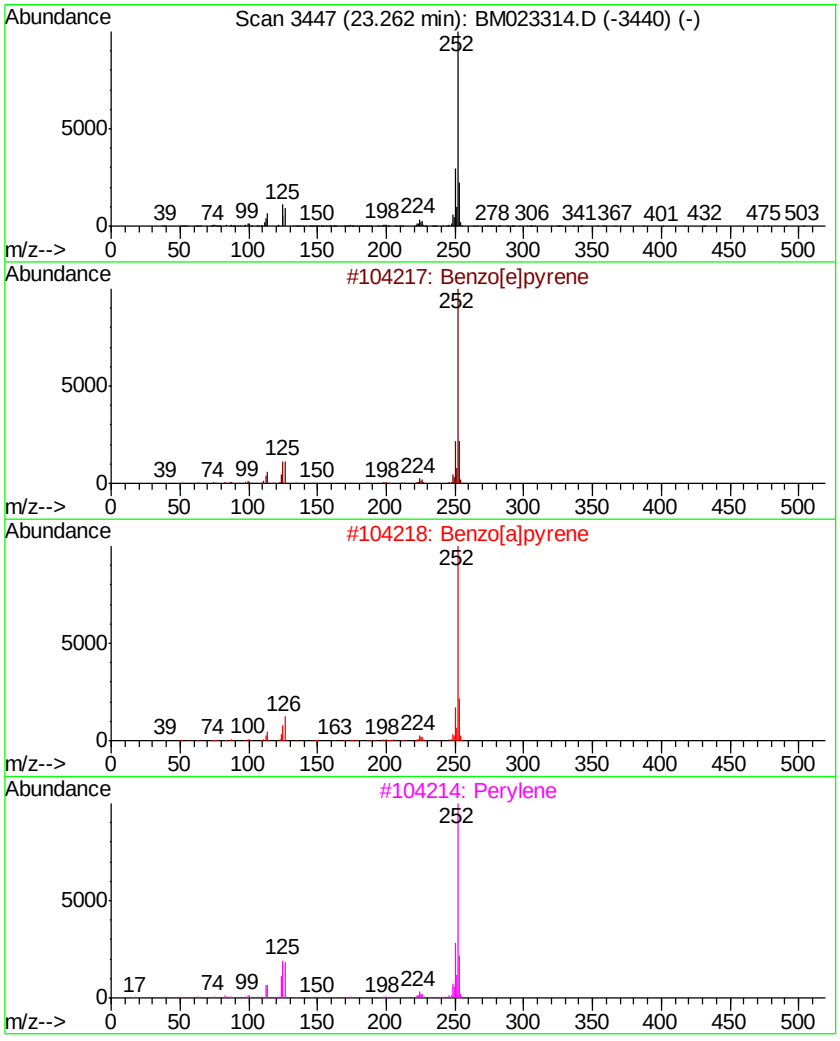
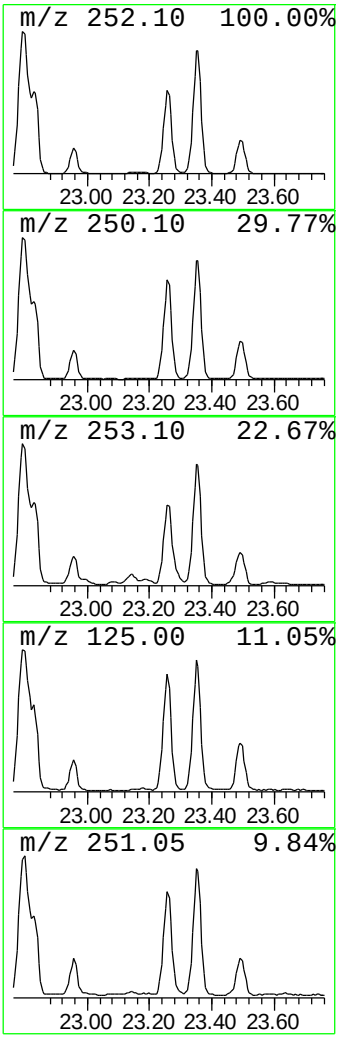
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	21.78 ng/ul	10431700	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Library Search Compound Report

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Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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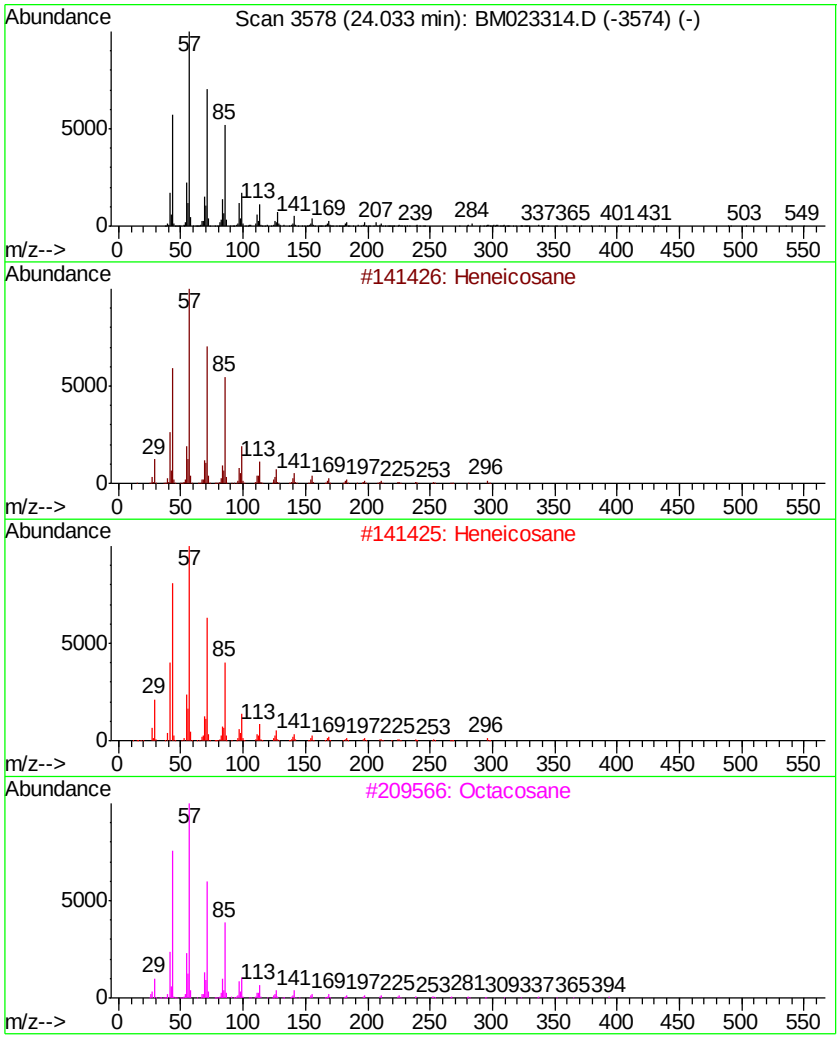
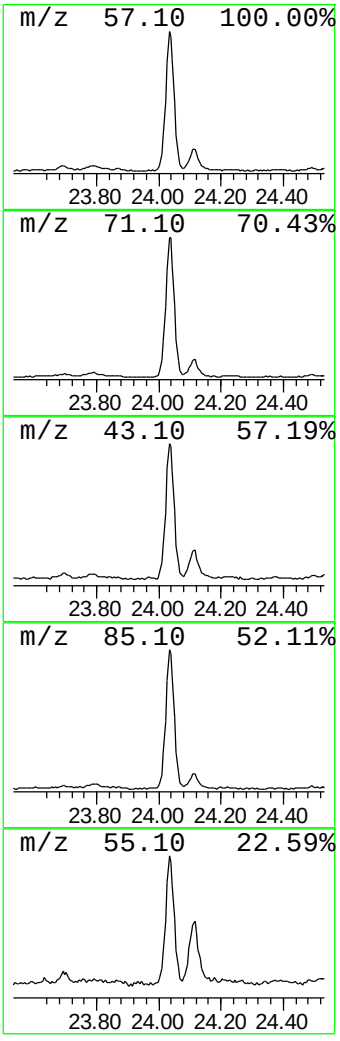
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.03	4.40 ng/ul	2108510	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Heneicosane	296	C21H44	000629-94-7	96
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Triacontane	422	C30H62	000638-68-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102119\
Data File : BM023314.D
Acq On : 21 Oct 2019 16:14
Operator : JU
Sample : K5378-04DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0012DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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
9H-Fluoren-9-one	16.69	3.3	ng/ul	1336360	4	17.04	8109380	20.0
Phenanthrene, 2-m...	17.92	4.9	ng/ul	1972220	4	17.04	8109380	20.0
Phenanthrene, 1-m...	17.97	9.6	ng/ul	3892160	4	17.04	8109380	20.0
4H-Cyclopenta[def...	18.11	6.7	ng/ul	2705600	4	17.04	8109380	20.0
Phenanthrene, 4-m...	18.15	2.9	ng/ul	1180360	4	17.04	8109380	20.0
5,16[1',2']:8,13[...	18.42	5.1	ng/ul	2077230	4	17.04	8109380	20.0
9,10-Anthracenedione	18.46	7.1	ng/ul	2887960	4	17.04	8109380	20.0
Phenanthrene, 3,6...	18.84	4.5	ng/ul	1817350	4	17.04	8109380	20.0
unknown-01	18.90	2.0	ng/ul	827273	4	17.04	8109380	20.0
Cyclopenta(def)ph...	18.98	6.8	ng/ul	2770510	4	17.04	8109380	20.0
Pyrene, 1-methyl-	19.80	2.2	ng/ul	3749670	5	21.24	33725500	20.0
Pyrene, 2-methyl-	20.13	2.2	ng/ul	3651380	5	21.24	33725500	20.0
11H-Benzo[a]fluor...	20.72	3.0	ng/ul	5094050	5	21.24	33725500	20.0
Benzo[b]naphtho[2...	20.88	2.5	ng/ul	4195690	5	21.24	33725500	20.0
Benz[c]acridine	20.97	3.1	ng/ul	5308840	5	21.24	33725500	20.0
7H-Benz[de]anthra...	21.02	2.8	ng/ul	4760910	5	21.24	33725500	20.0
1H-Pyrano[2,3-c]p...	22.52	5.9	ng/ul	2819750	6	23.44	9577960	20.0
Benzo[e]pyrene	22.96	6.1	ng/ul	2921300	6	23.44	9577960	20.0
Dinaphtho[1,2-b:1...	23.09	4.7	ng/ul	2252000	6	23.44	9577960	20.0
Perylene	23.26	21.8	ng/ul	10431700	6	23.44	9577960	20.0
(DEL) Alkane: Str...	24.03	4.4	ng/ul	2108510	6	23.44	9577960	20.0