LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	7.681	775	781	790	rBV	459301	765557	5.92%	0.862%
2	10.463	1247	1254	1262	rBV	651137	1100893	8.52%	1.239%
3	14.045	1853	1863	1874	rVB2	153067	300265	2.32%	0.338%
4	14.327	1904	1911	1917	rBV2	1010374	1565969	12.12%	1.762%
5	14.392	1917	1922	1926	rVB	158369	235438	1.82%	0.265%
6	14.727	1972	1979	1986	rBV	133157	203101	1.57%	0.229%
7	15.380	2084	2090	2096	rBV	164992	243022	1.88%	0.274%
8	15.674	2135	2140	2147	rVB	91829	143292	1.11%	0.161%
9	15.821	2156	2165	2171	rVB	101437	216419	1.67%	0.244%
10	16.045	2196	2203	2212	rBV5	79211	191601	1.48%	0.216%
11	16.610	2291	2299	2302	rBV4	78721	147719	1.14%	0.166%
12	16.733	2315	2320	2326	rVB2	189920	295606	2.29%	0.333%
13	16.810	2326	2333	2343	rVV5	93638	276729	2.14%	0.311%
14	16.892	2343	2347	2356	rVB	247647	406237	3.14%	0.457%
15	17.074	2371	2378	2382	rBV2	1501074	2286829	17.70%	2.574%
16	17.121	2382	2386	2391	rVV	3342181	4537745	35.12%	5.107%
17	17.174	2391	2395	2397	rVV2	131540	208995	1.62%	0.235%
18	17.204	2397	2400	2406	rVV	559848	826610	6.40%	0.930%
19	17.480	2438	2447	2451	rBV3	290821	533710	4.13%	0.601%
20	17.657	2473	2477	2487	rVB2	138720	243716	1.89%	0.274%
21	17.798	2497	2501	2509	rVB2	76329	142495	1.10%	0.160%
22	17.951	2518	2527	2531	rBV	400654	655882	5.08%	0.738%
23	17.998	2531	2535	2542	rVB	622709	874847	6.77%	0.985%
24	18.080	2542	2549	2553	rBV	143849	244600	1.89%	0.275%
25	18.145	2553	2560	2564	rBV2	544407	1043351	8.07%	1.174%
26	18.180	2564	2566	2572	rVB	302051	345760	2.68%	0.389%
27	18.457	2608	2613	2616	rBV	333974	449902	3.48%	0.506%
28	18.498	2616	2620	2625	rVB	834122	1076398	8.33%	1.211%
29	18.704	2651	2655	2658	rVB3	168382	195945	1.52%	0.221%
30	18.751	2659	2663	2667	rVV	155442	214566	1.66%	0.241%
31	18.792	2667	2670	2674	rVB	144489	175192	1.36%	0.197%
32	18.874	2679	2684	2689	rBV3	293100	498659	3.86%	0.561%
33	18.927	2689	2693	2697	rVV2	100386	181197	1.40%	0.204%
34	18.968	2697	2700	2703	rVB	115497	129621	1.00%	0.146%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	19.015	2703	2708	2715	rBV	807672	1149342	8.89%	1.294%
36	19.145	2723	2730	2736	rVB	9233230	12921822	100.00%	14.543%
37	19.204	2736	2740	2743	rBV2	136814	197566	1.53%	0.222%
38	19.239	2743	2746	2750	rVB2	184056	236602	1.83%	0.266%
39	19.339	2758	2763	2766	rBV2	186145	303781	2.35%	0.342%
40	19.380	2766	2770	2774	rVB	268164	390807	3.02%	0.440%
41	19.474	2780	2786	2787	rBV	1332623	1742031	13.48%	1.961%
42	19.504	2787	2791	2799	rVV	6777938	9269372	71.73%	10.432%
43	19.574	2799	2803	2810	rVB2	349653	547460	4.24%	0.616%
44	19.680	2815	2821	2826	rBV	479697	755393	5.85%	0.850%
45	19.739	2828	2831	2837	rVB2	309751	495558	3.84%	0.558%
46	19.827	2840	2846	2853	rBV4	488481	1282998	9.93%	1.444%
47	19.915	2858	2861	2864	rVB3	118453	130548	1.01%	0.147%
48	19.968	2864	2870	2873	rBV4	418107	919821	7.12%	1.035%
49	20.098	2889	2892	2895	rBV2	163322	188857	1.46%	0.213%
50	20.156	2895	2902	2906	rVV2	635513	1096011	8.48%	1.234%
51	20.198	2906	2909	2912	rVB	188709	204348	1.58%	0.230%
52	20.239	2912	2916	2920	rVB	144549	198258	1.53%	0.223%
53	20.298	2922	2926	2929	rBV	327561	454793	3.52%	0.512%
54	20.339	2930	2933	2938	rVB3	265256	375973	2.91%	0.423%
55	20.556	2966	2970	2972	rBV4	84840	141944	1.10%	0.160%
56	20.745	2998	3002	3008	rVB	1193007	1506189	11.66%	1.695%
57	20.909	3024	3030	3034	rBV2	960855	1654730	12.81%	1.862%
58	20.951	3034	3037	3040	rVV	565869	685393	5.30%	0.771%
59	20.986	3040	3043	3048	rVV2	460695	840840	6.51%	0.946%
60	21.045	3049	3053	3057	rVB	873021	1113557	8.62%	1.253%
61	21.151	3067	3071	3076	rBV	188660	335892	2.60%	0.378%
62	21.262	3080	3090	3094	rBV2	3684158	8378110	64.84%	9.429%
63	21.303	3094	3097	3104	rVB	3729671	5022630	38.87%	5.653%
64	21.421	3114	3117	3118	rBV	342213	365010	2.82%	0.411%
65	21.815	3181	3184	3188	rVB	371996	481338	3.73%	0.542%
66	21.868	3189	3193	3199	rVB2	343004	564058	4.37%	0.635%
67	22.009	3214	3217	3221	rBV	174966	259863	2.01%	0.292%
68	22.833	3350	3357	3361	rBV2	2244384	4709241	36.44%	5.300%
69	22.997	3381	3385	3391	rVB2	174696	286267	2.22%	0.322%
70	23.303	3431	3437	3443	rBV	986534	1734868	13.43%	1.953%
71	23.397	3447	3453	3459	rVB	1000191	1789515	13.85%	2.014%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : F9B10DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	23.492	3463	3469	3475	rBV	1413568	2673503	20.69%	3.009%
73	25.727	3842	3849	3862	rVB	547382	1663528	12.87%	1.872%
74	26.409	3959	3965	3976	rVB2	298671	827603	6.40%	0.931%

Sum of corrected areas: 88853288

LSC Report - Integrated Chromatogram

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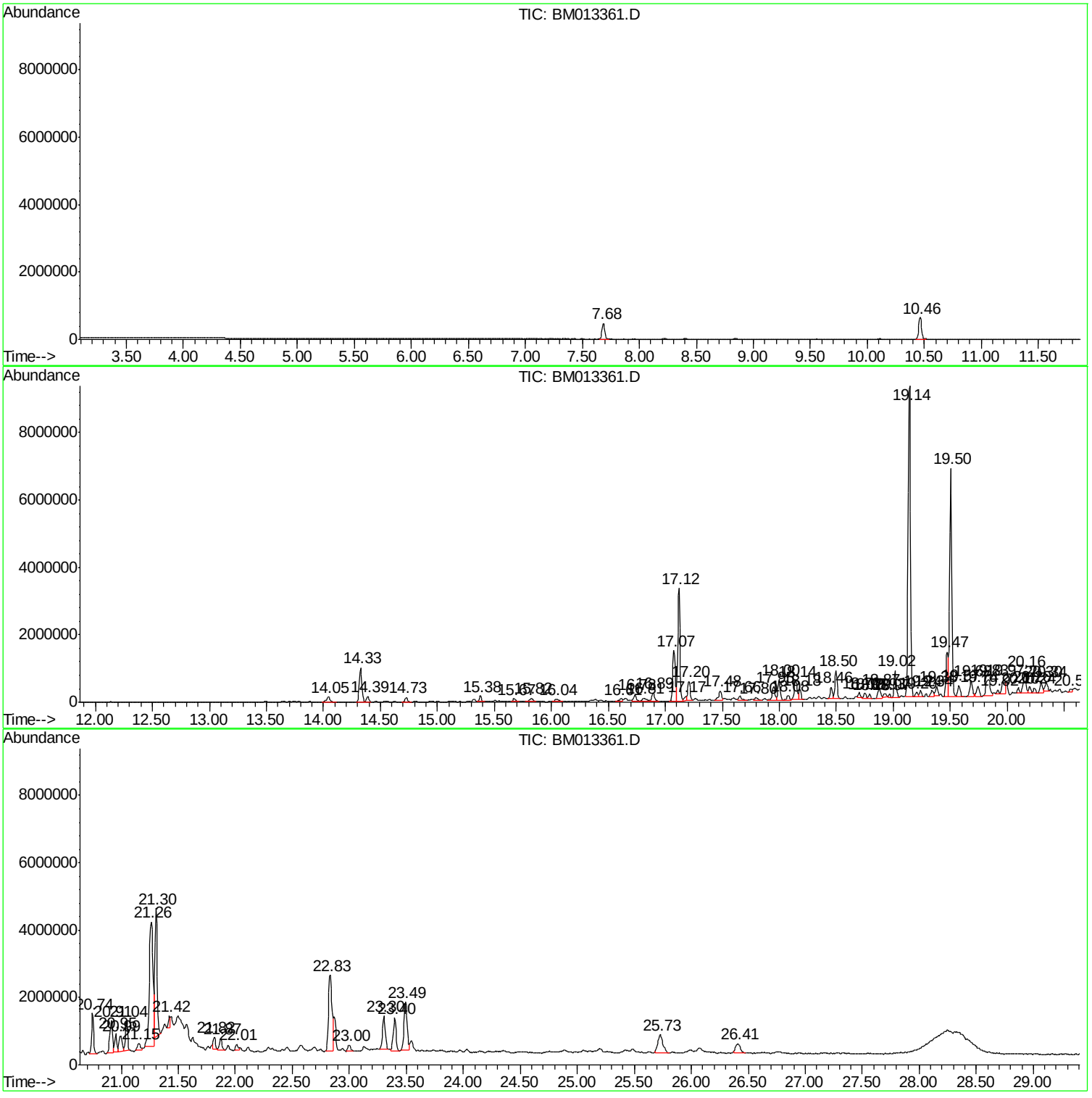
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

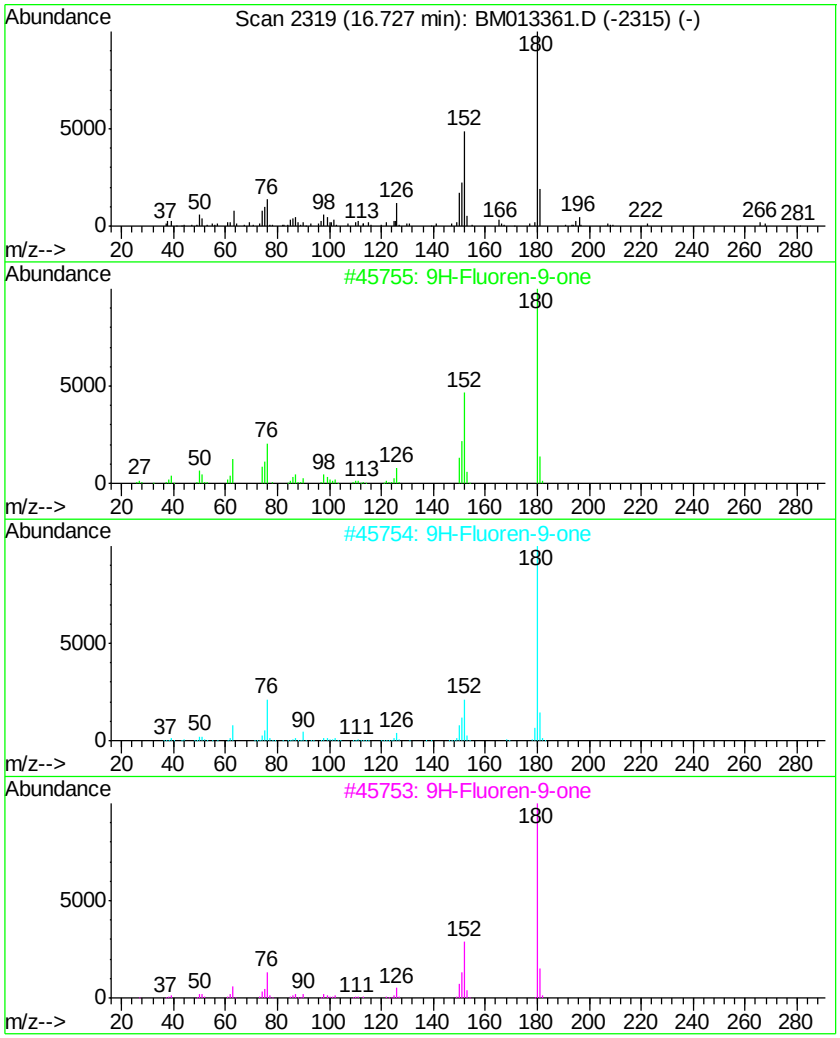
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

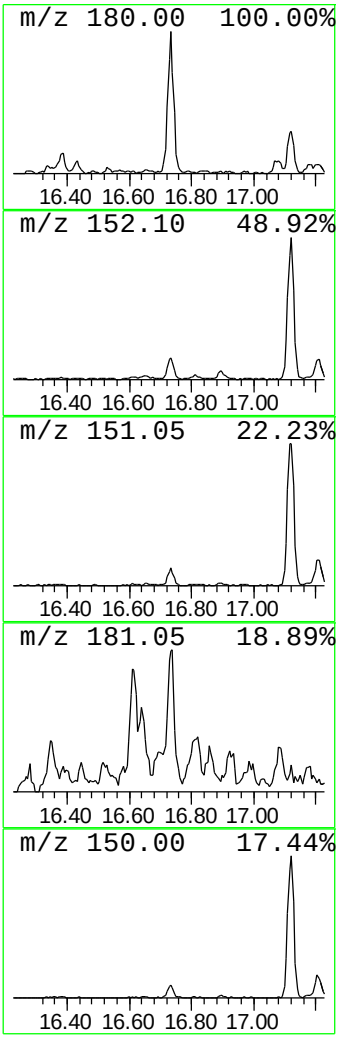
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.59 ng/ul	295606	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	78
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
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Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

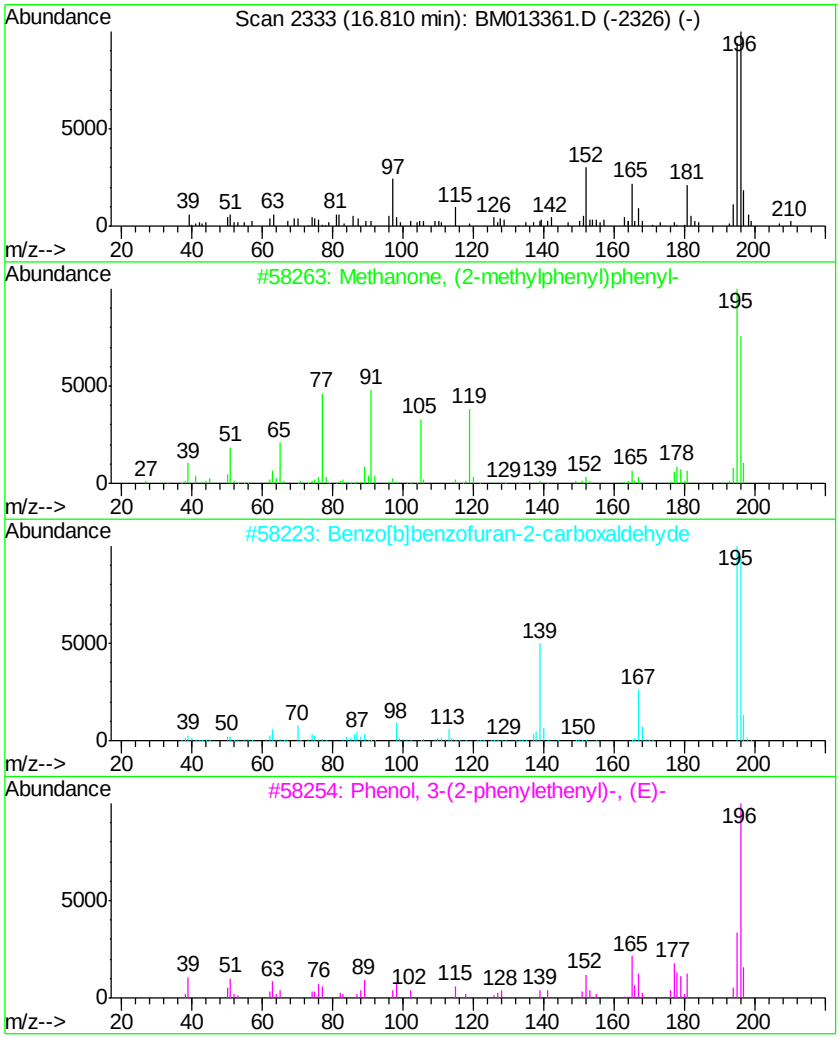
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

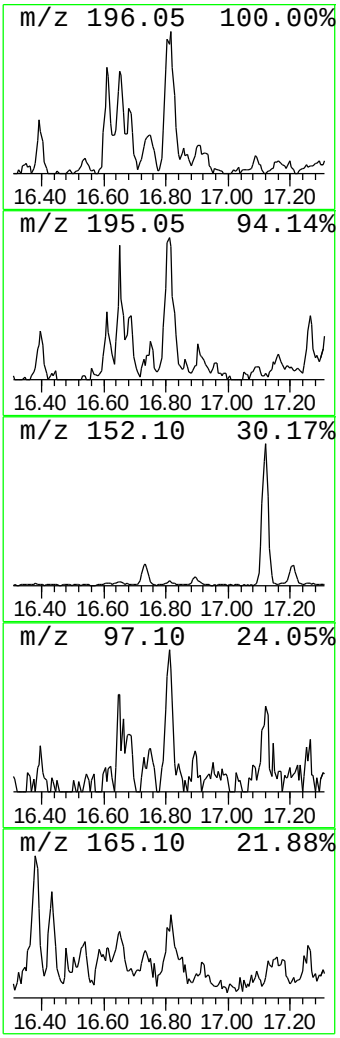
****

Peak Number 2 Methanone, (2-methylphenyl)... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	2.42 ng/ul	276729	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	52
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
4	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

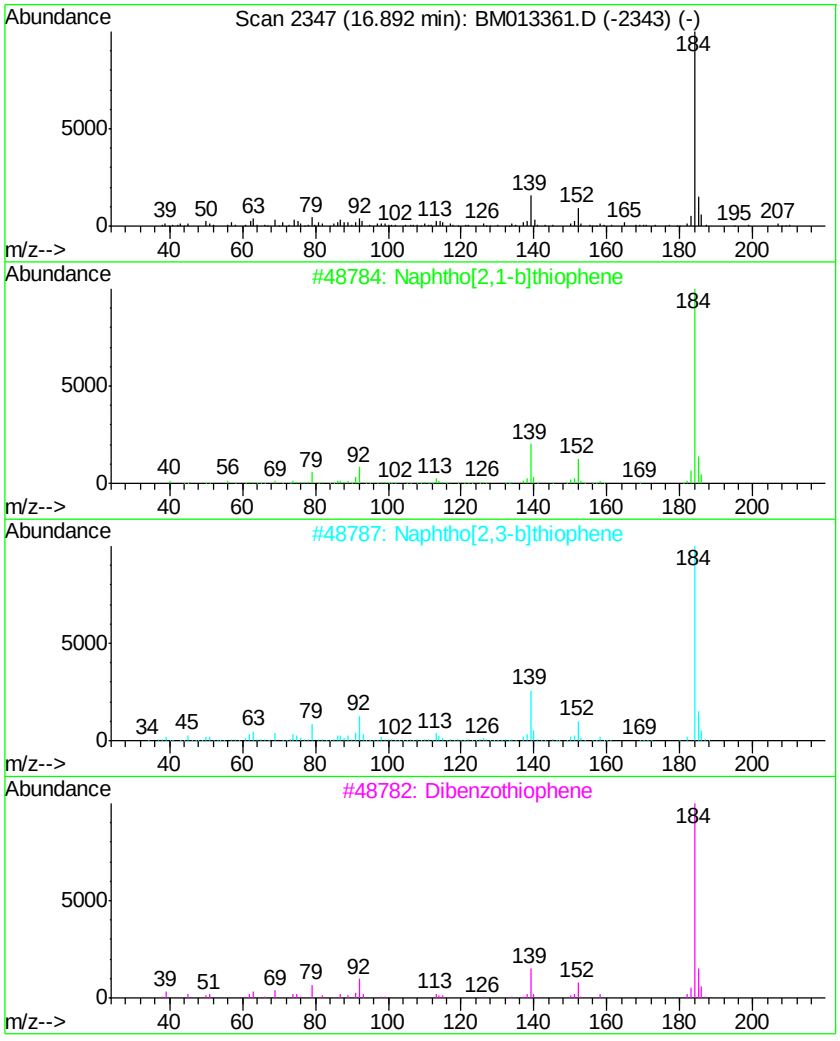
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

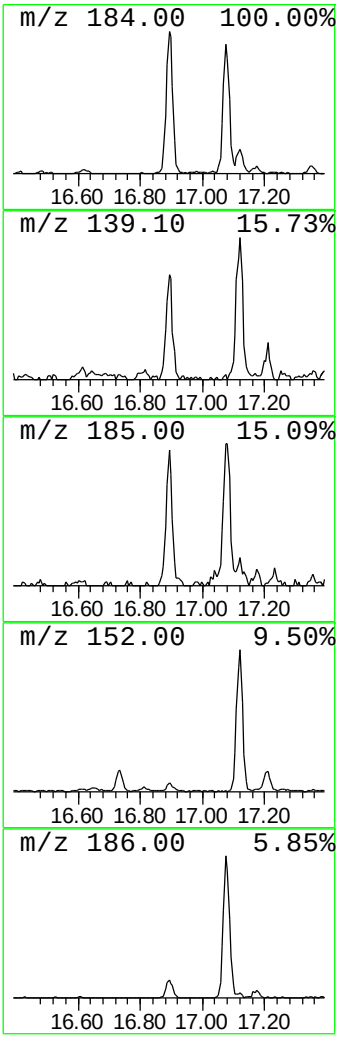
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.55 ng/ul	406237	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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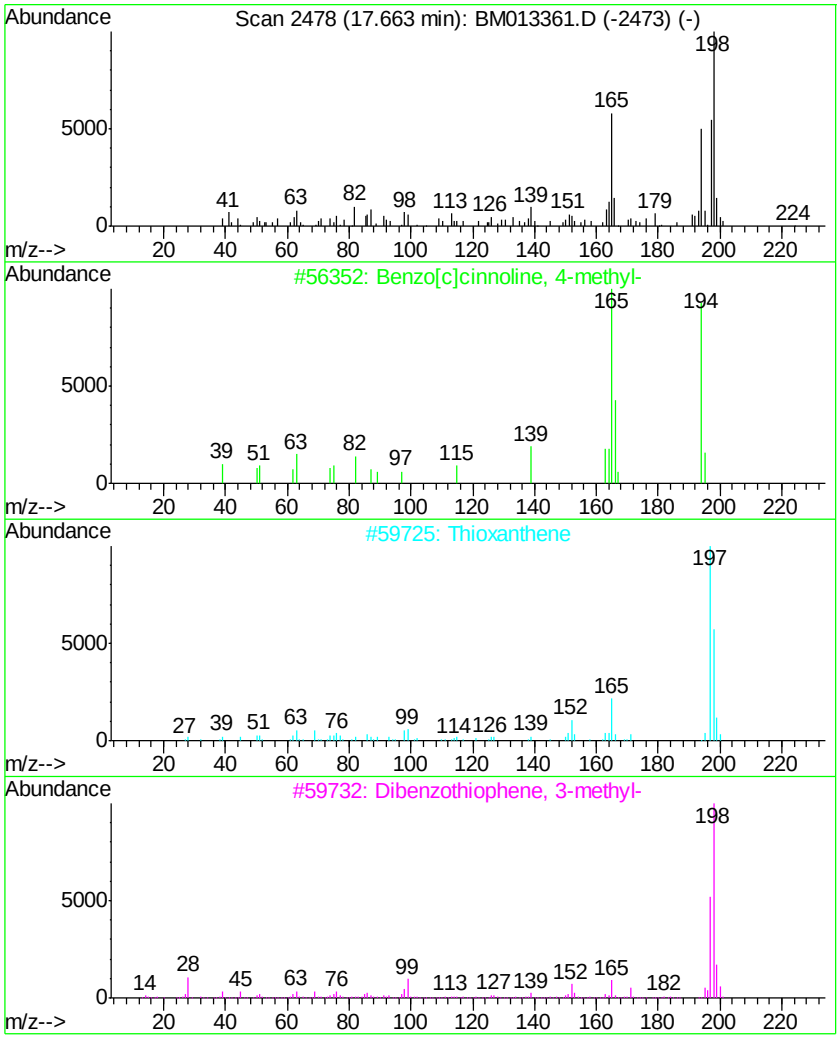
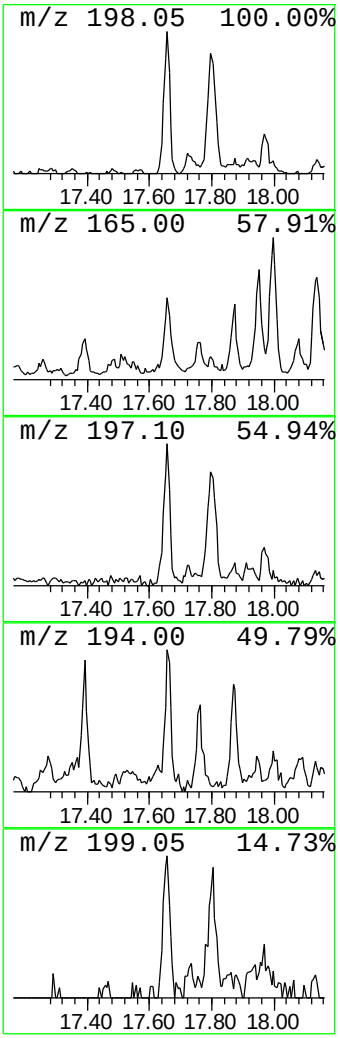
Peak Number 4 Benzo[c]cinnoline, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.13 ng/ul	243716	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	53
2	Thioxanthene	198	C13H10S	000261-31-4	50
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	49
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	47
5	Tacrine	198	C13H14N2	000321-64-2	46





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Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

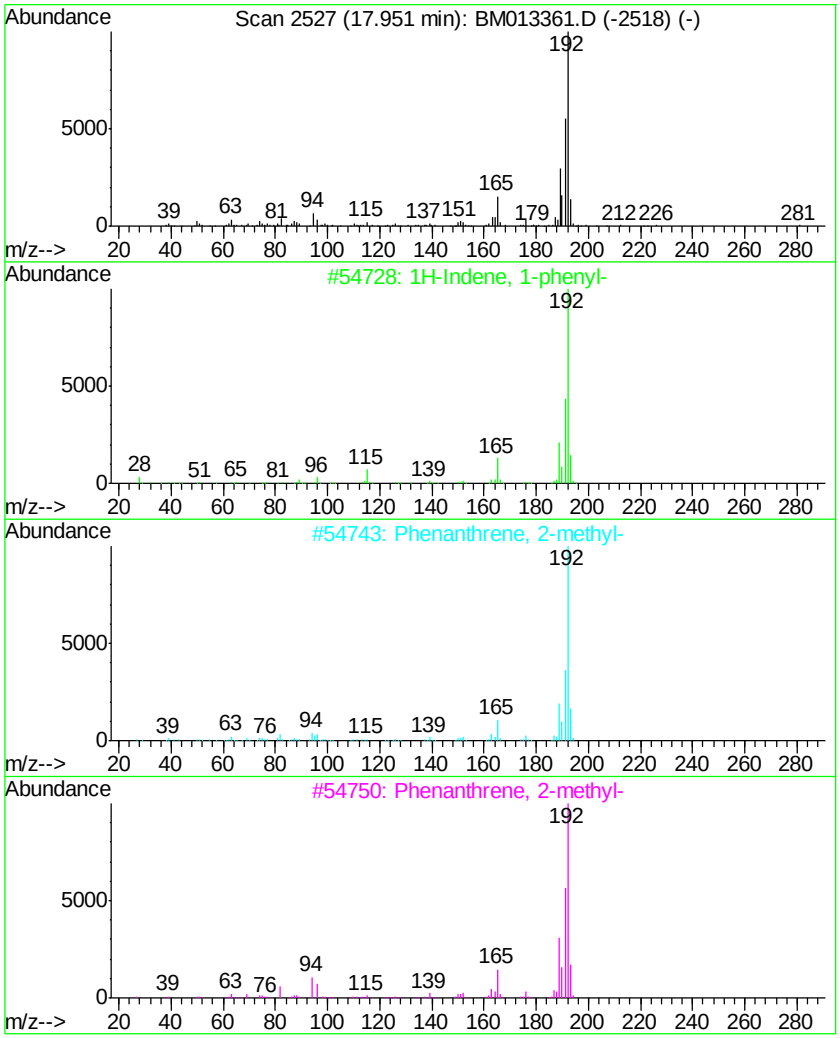
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

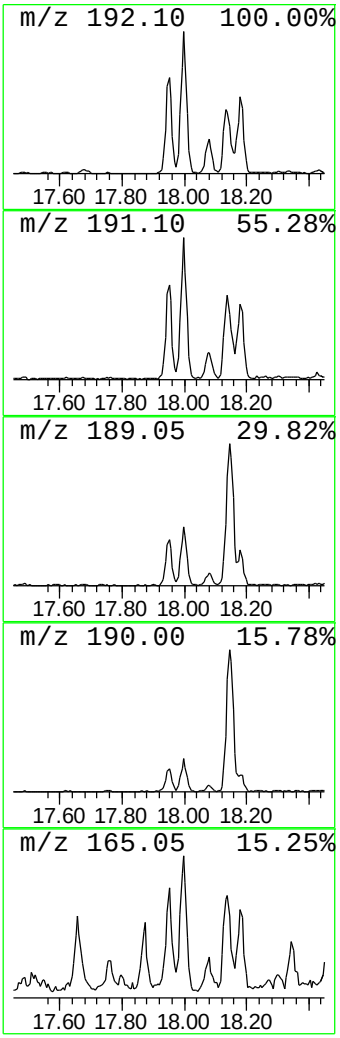
****

Peak Number 5 1H-Indene, 1-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	5.74 ng/ul	655882	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Data File : BM013361.D
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Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

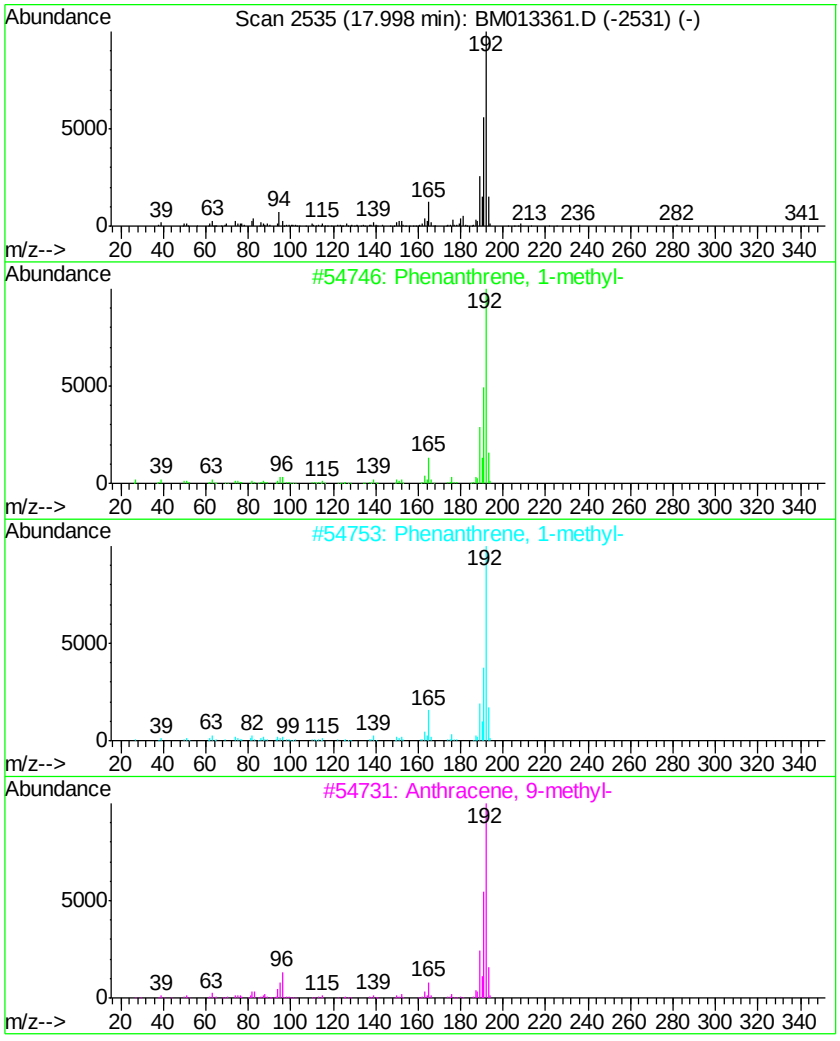
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

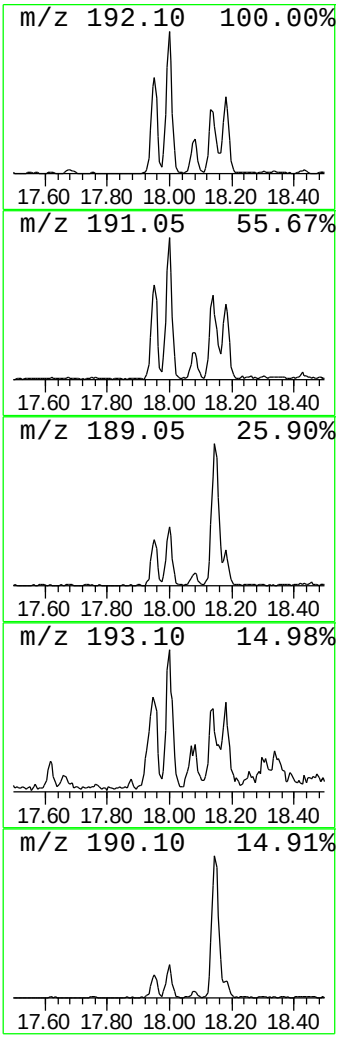
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	7.65 ng/ul	874847	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
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Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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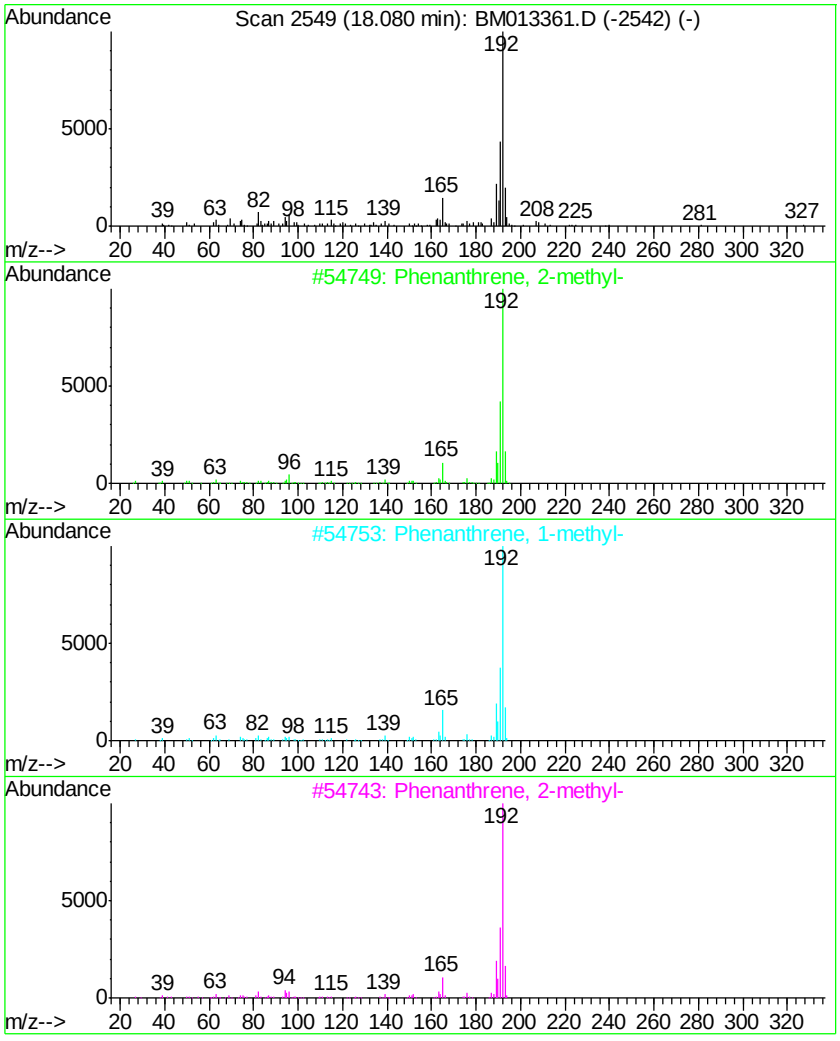
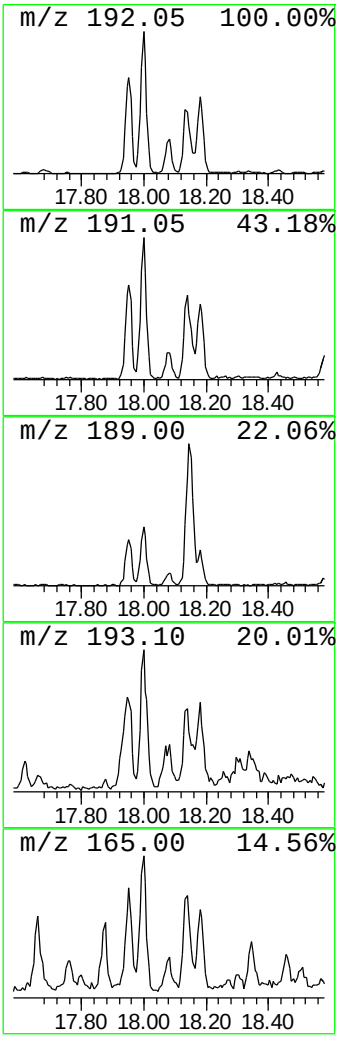
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.14 ng/ul	244600	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

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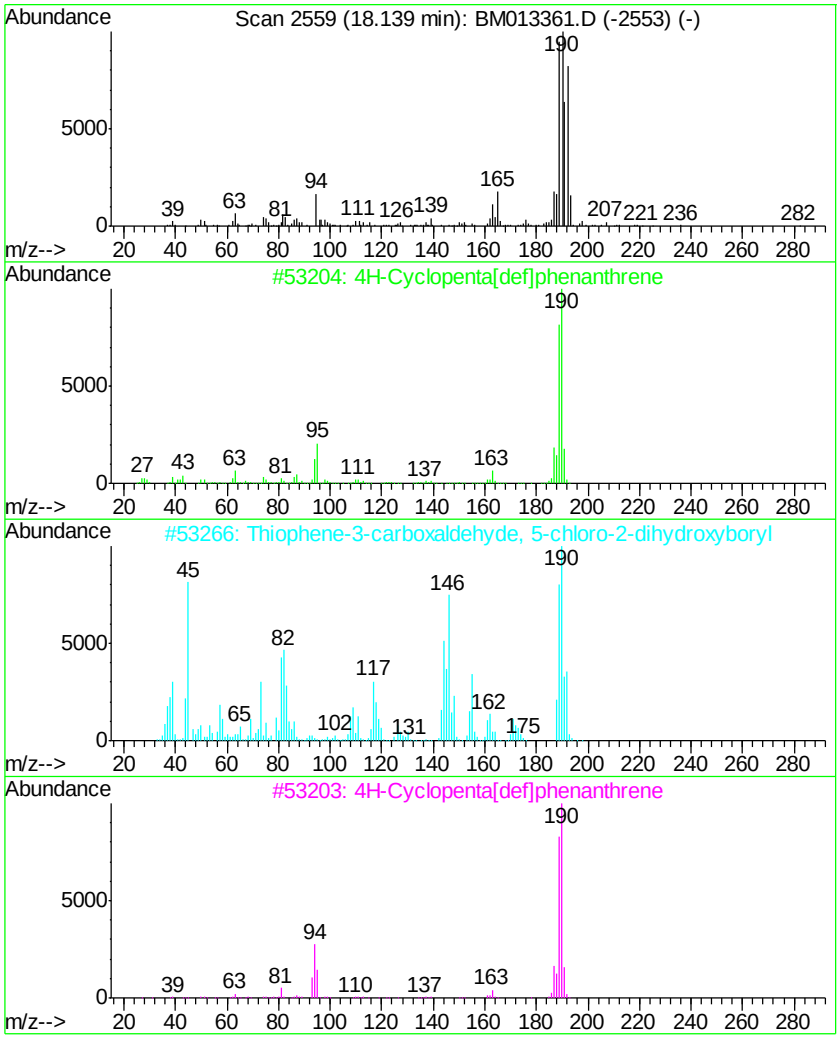
Quant Title : SVOA CALIBRATION

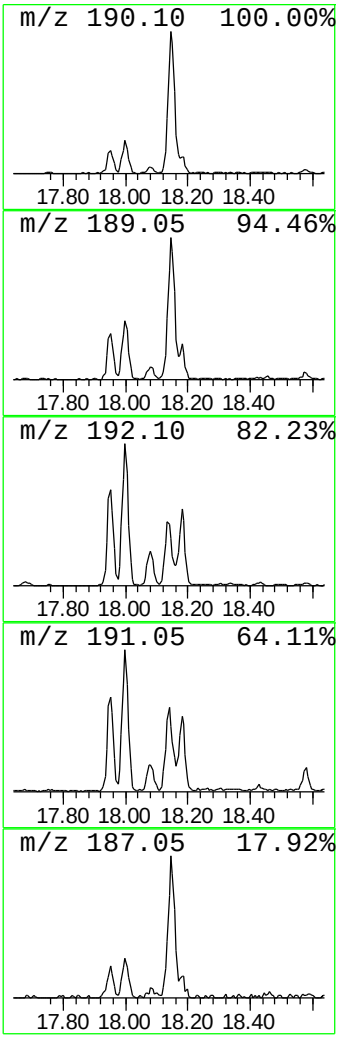
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.12 ng/ul	1043350	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





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ClientSampleId : F9B10DL

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Quant Title : SVOA CALIBRATION

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

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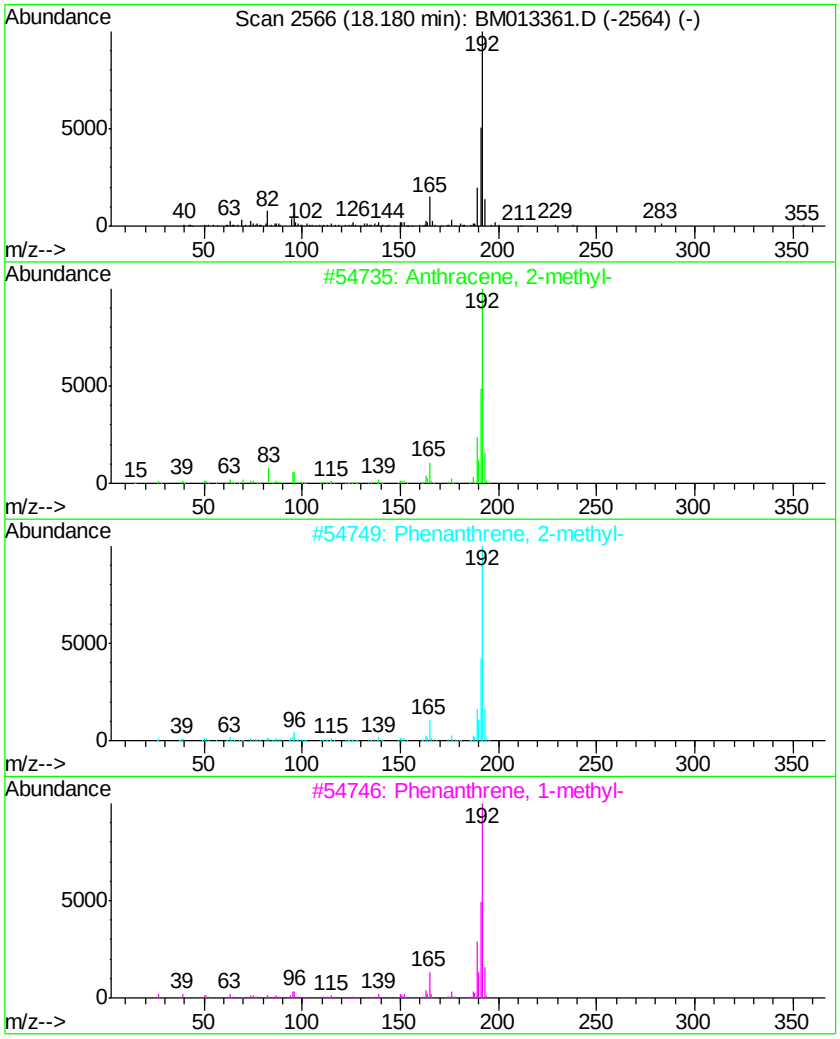
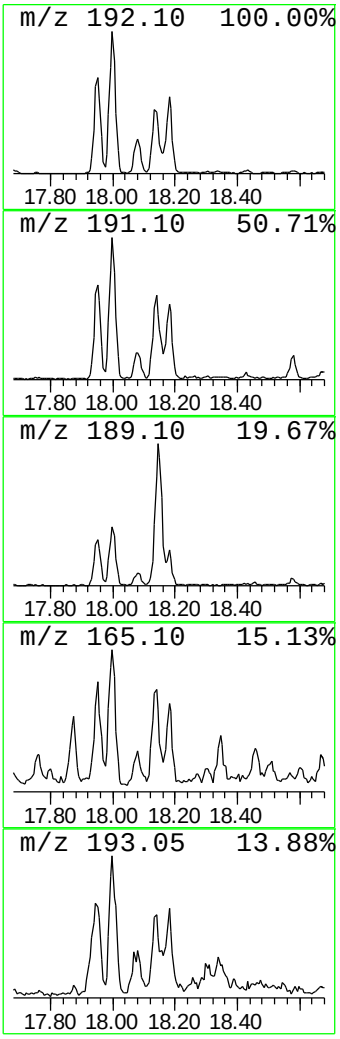
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.02 ng/ul	345760	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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ClientSampleId : F9B10DL

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Quant Title : SVOA CALIBRATION

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

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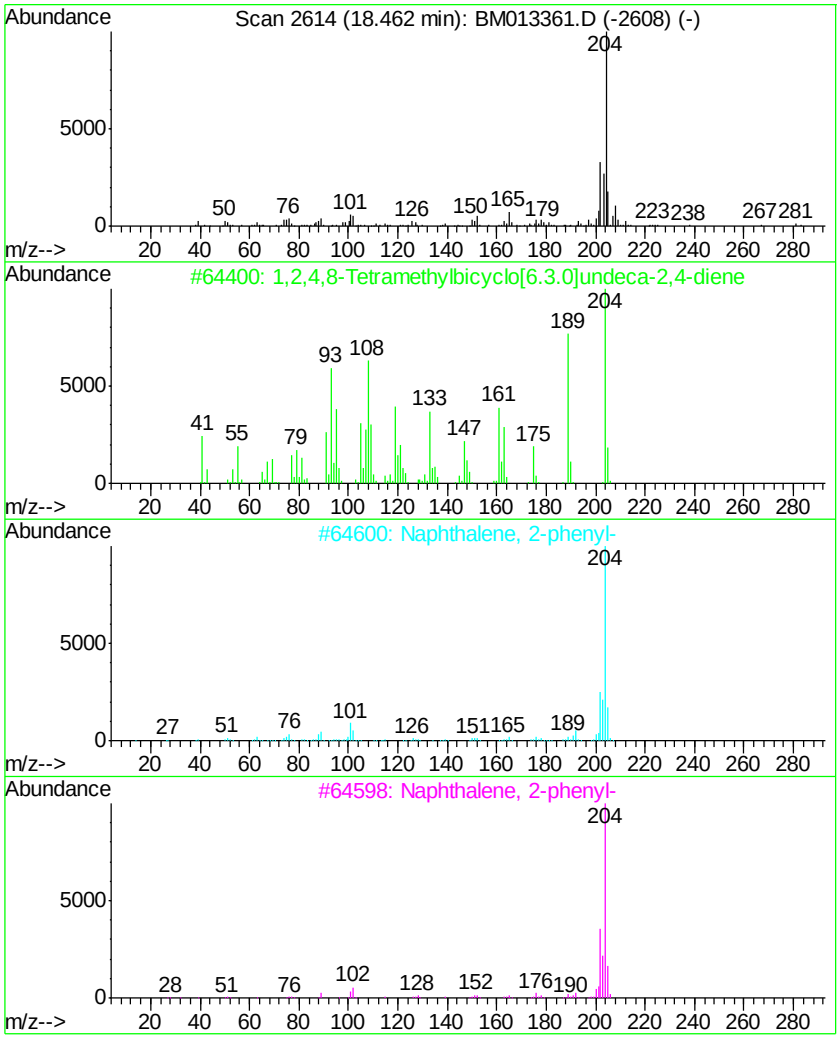
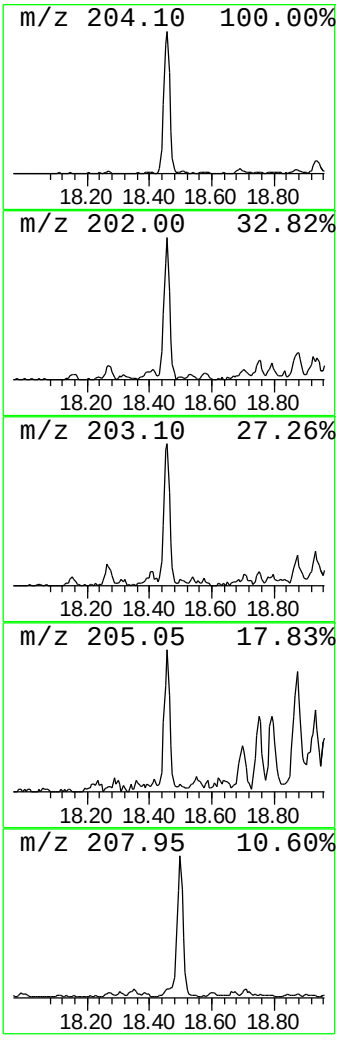
Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.93 ng/ul	449902	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Quant Title : SVOA CALIBRATION

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

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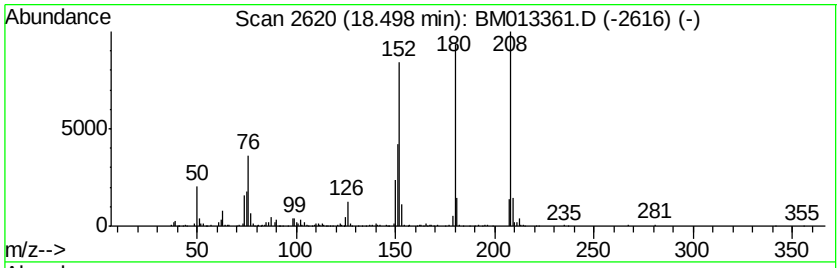
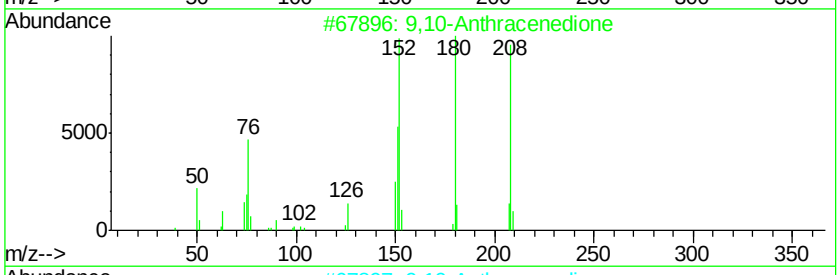
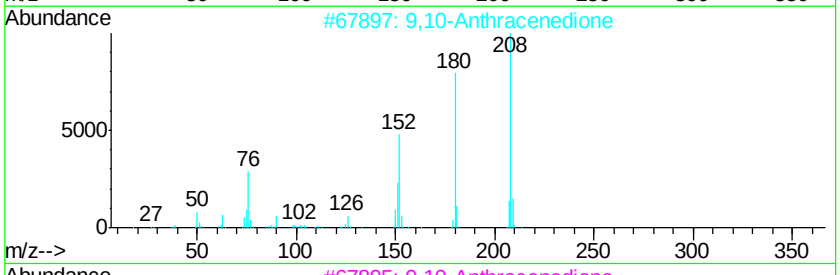
Peak Number 11 9,10-Anthracenedione Concentration Rank 3

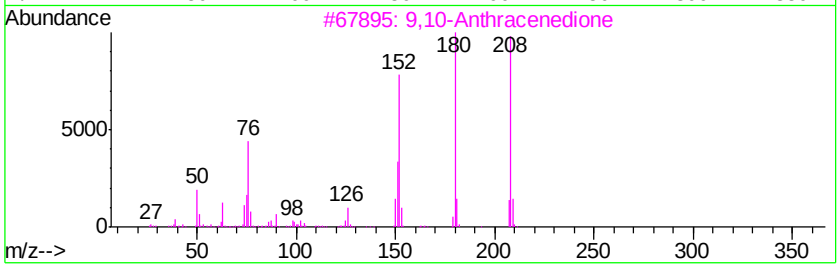
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	9.41 ng/ul	1076400	Phenanthrene-d10	17.07

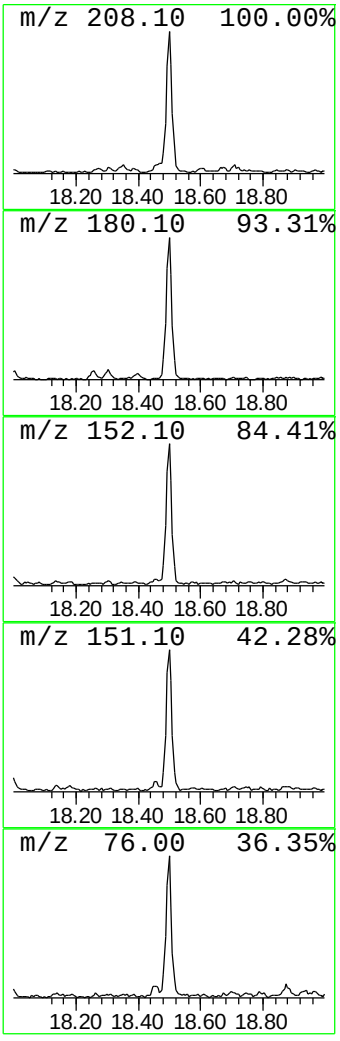
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83











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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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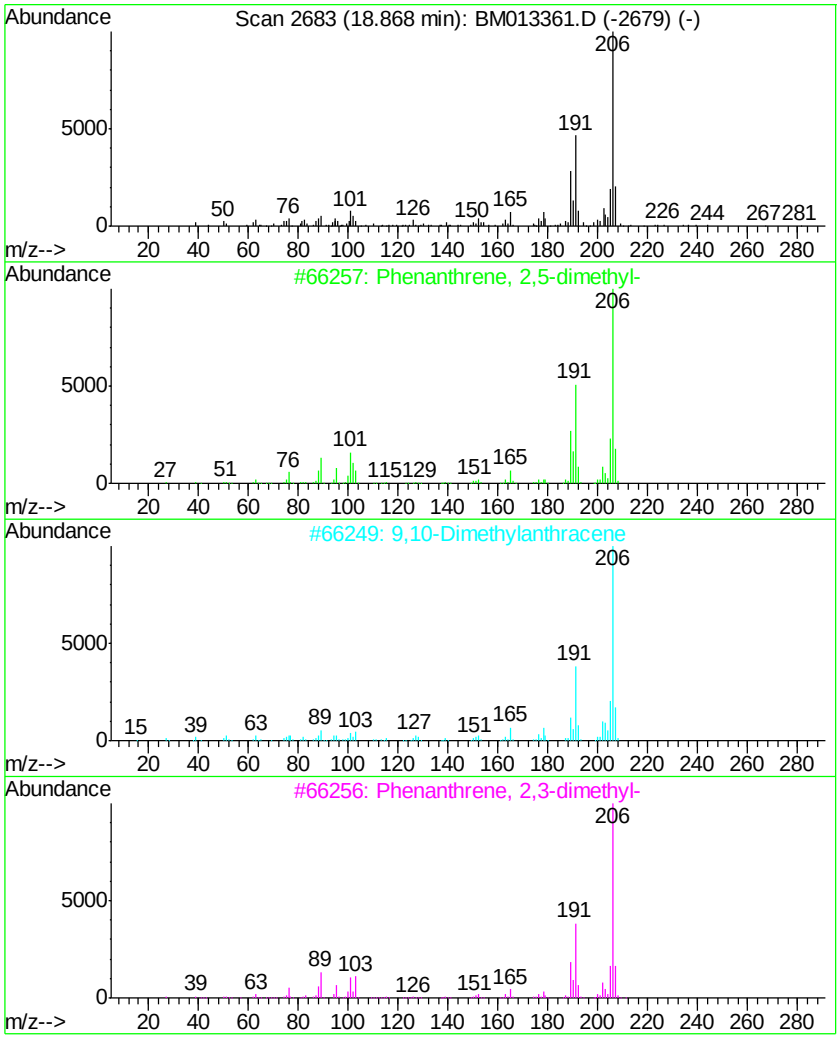
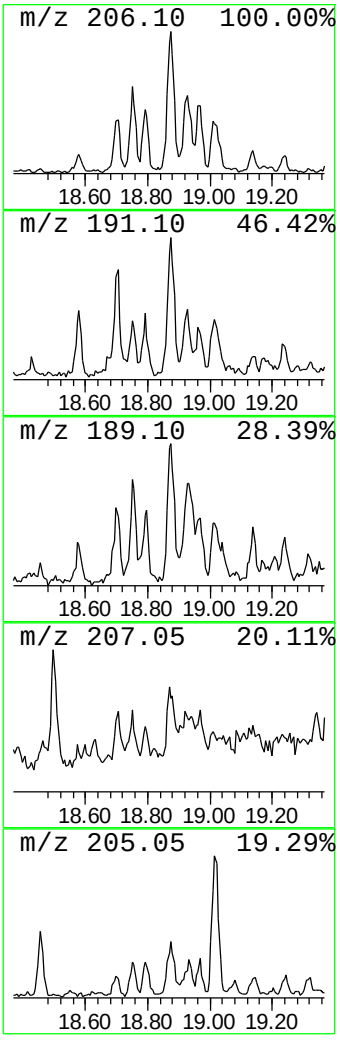
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.36 ng/ul	498659	Phenanthrene-d10	17.07

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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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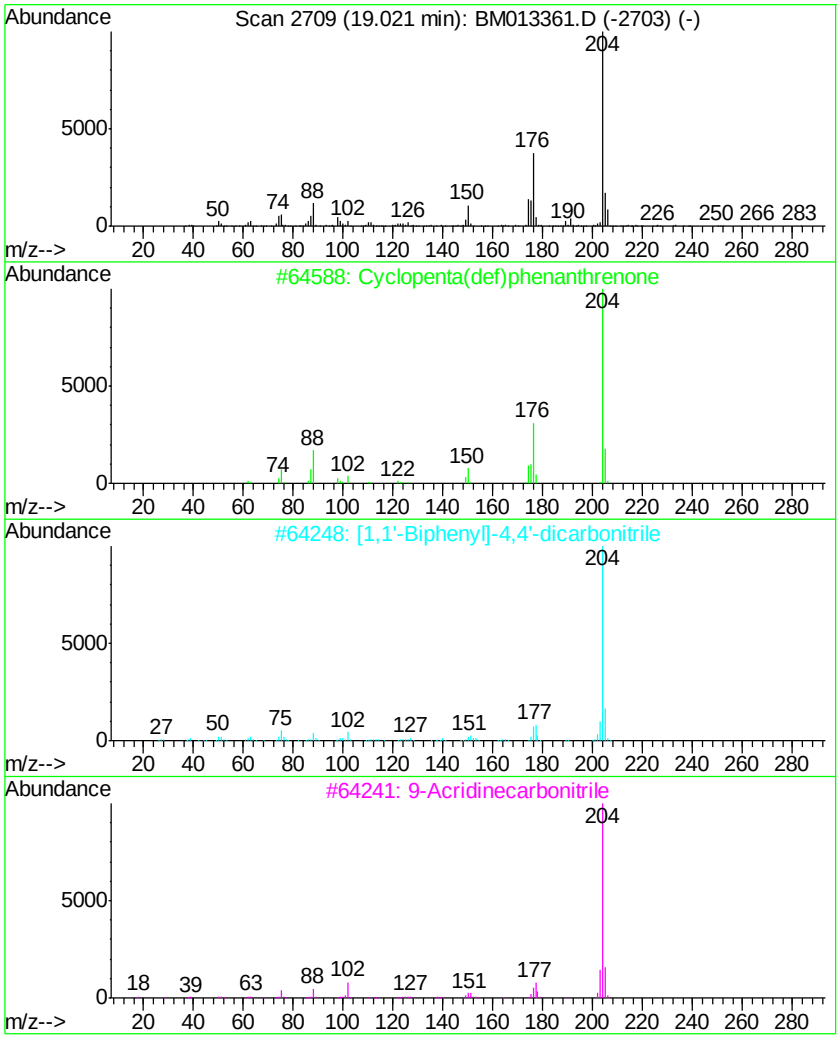
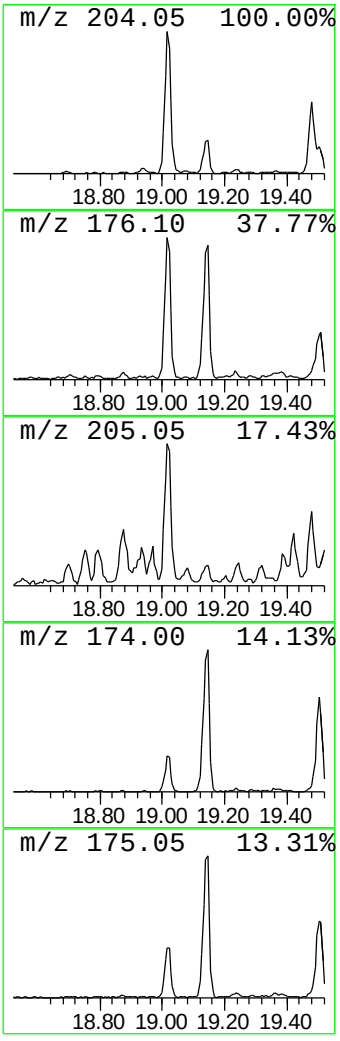
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	10.05 ng/ul	1149340	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

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Quant Title : SVOA CALIBRATION

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

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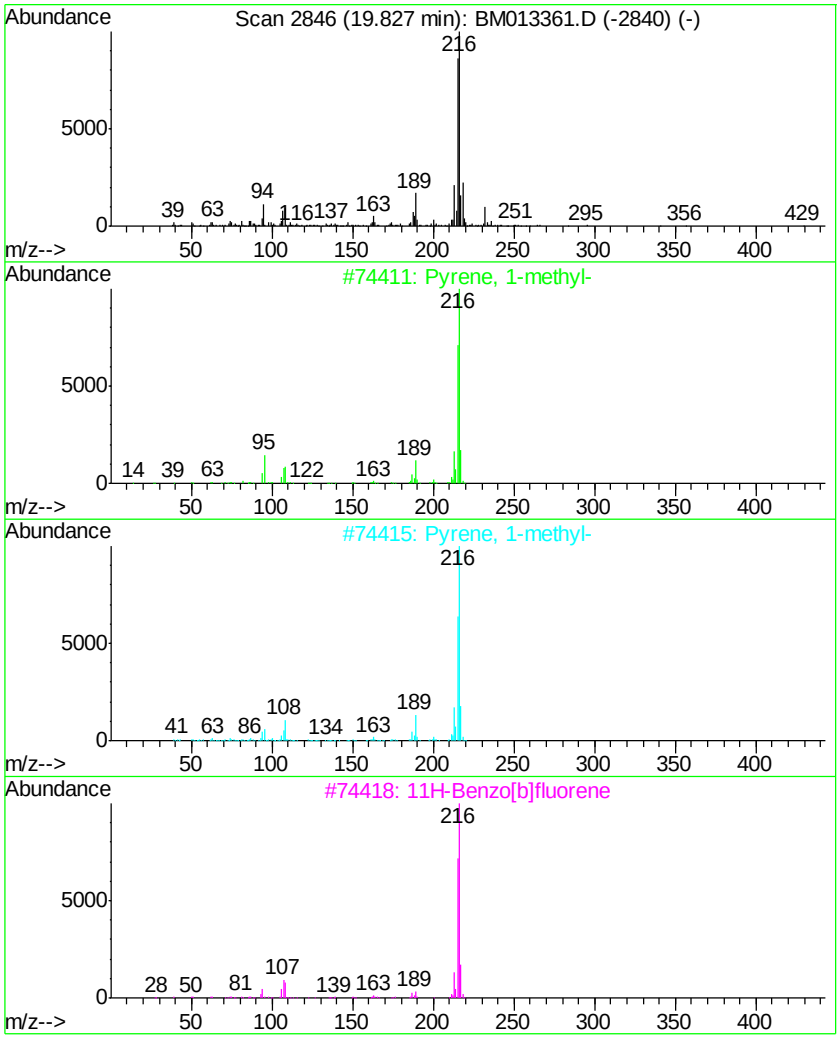
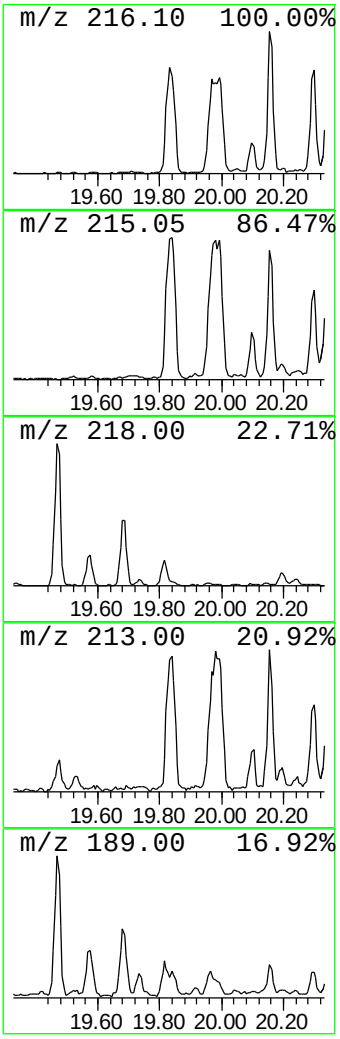
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.06 ng/ul	1283000	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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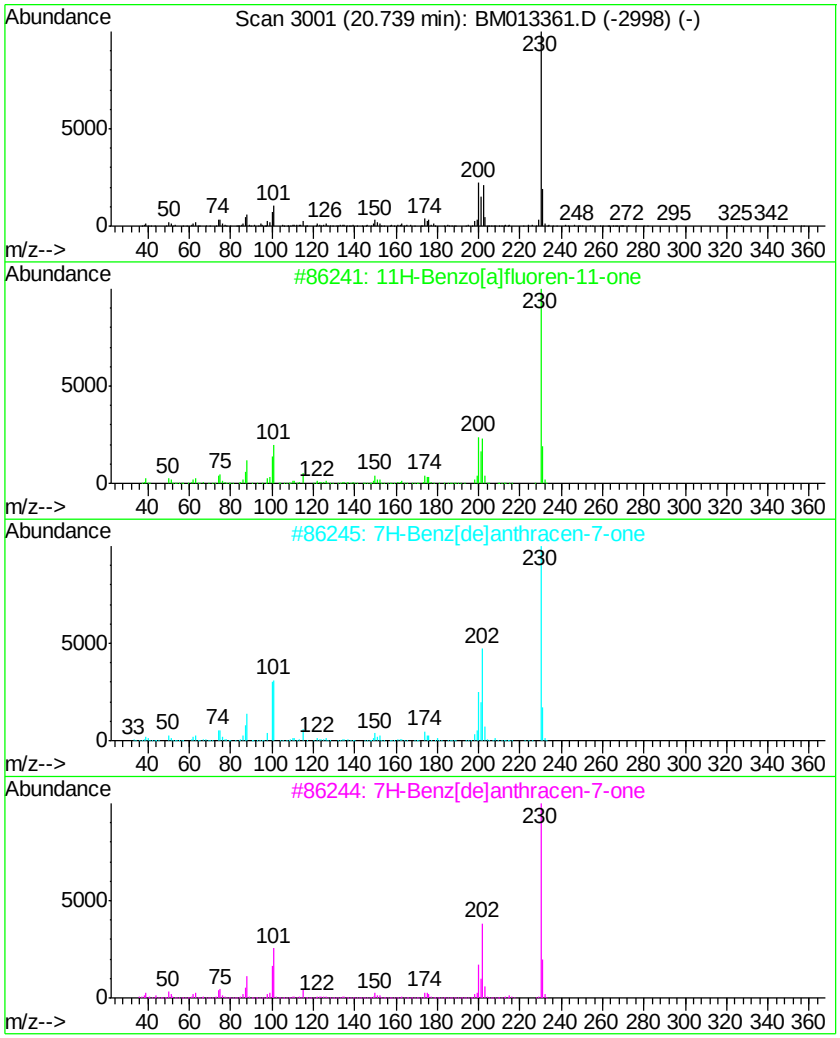
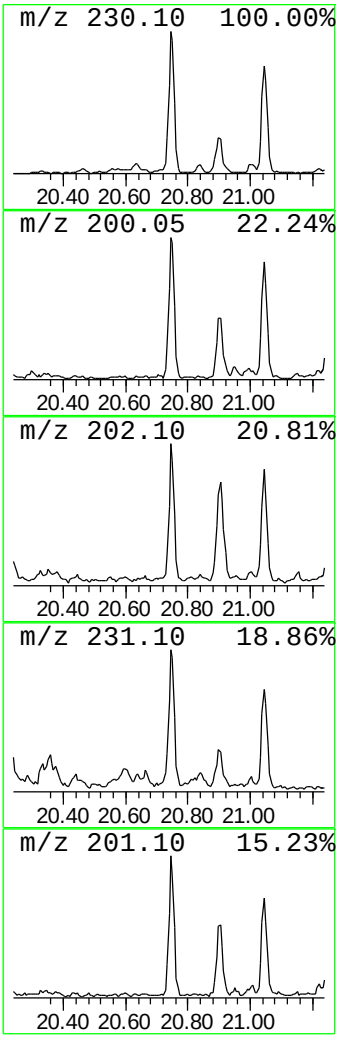
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.60 ng/ul	1506190	Chrysene-d12	21.27

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	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	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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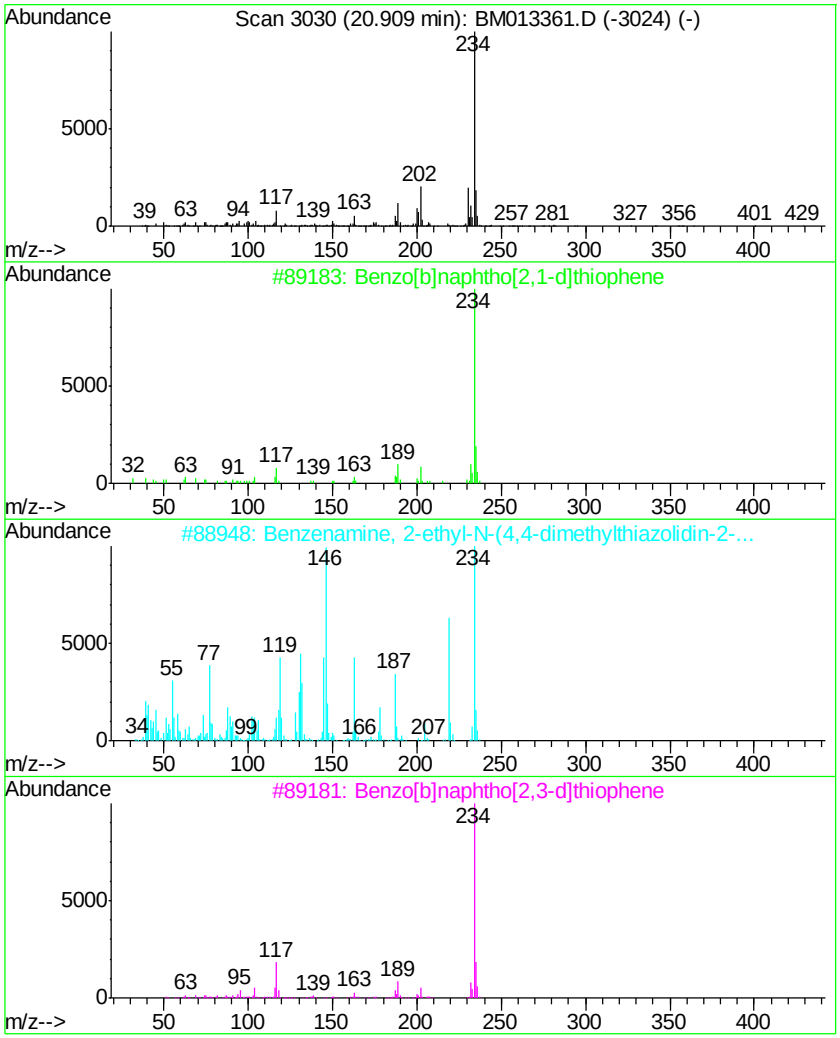
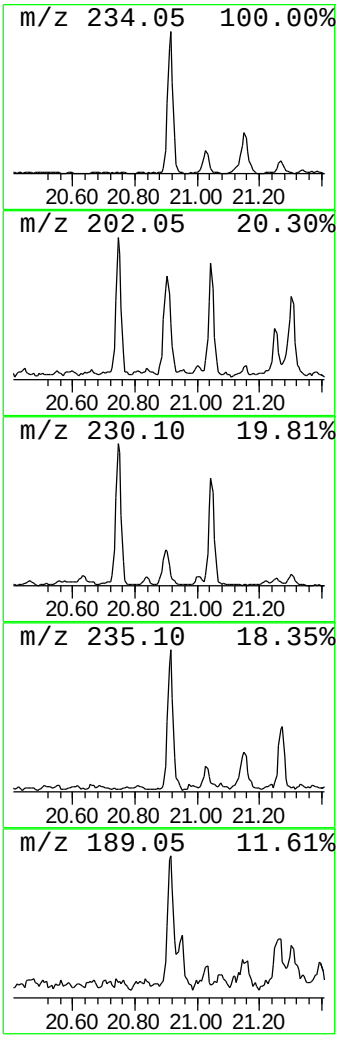
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	3.95 ng/ul	1654730	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	87
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70





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Quant Title : SVOA CALIBRATION

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

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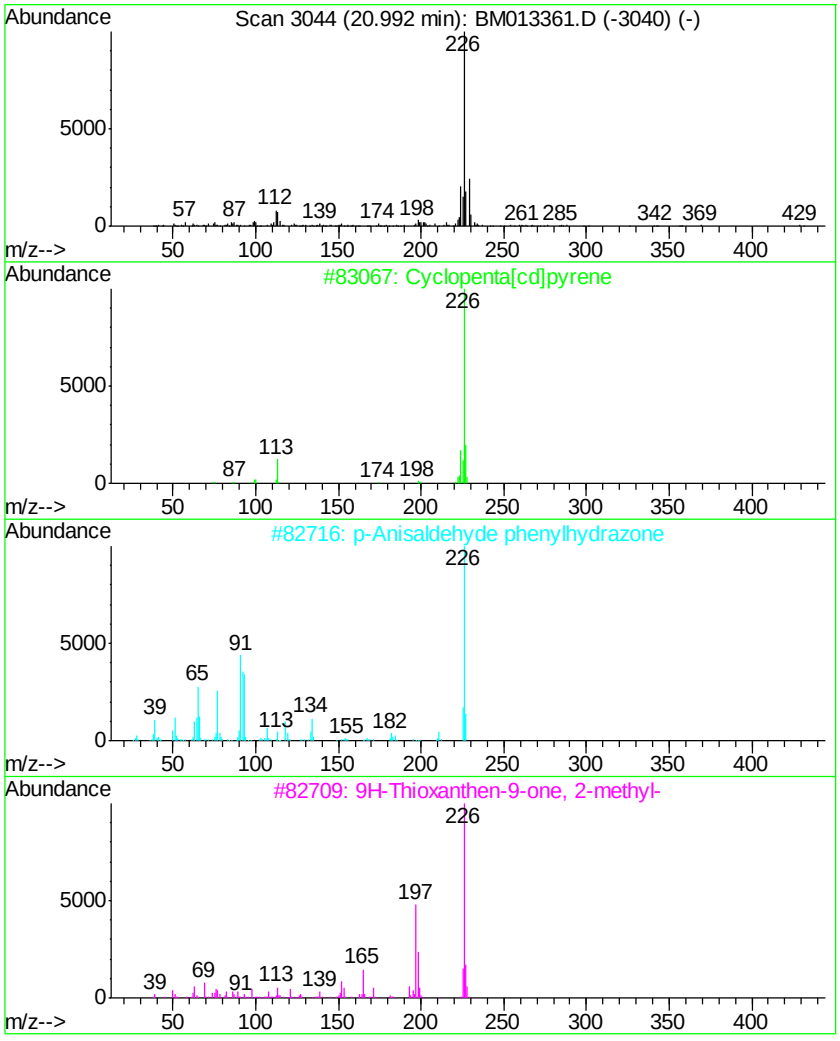
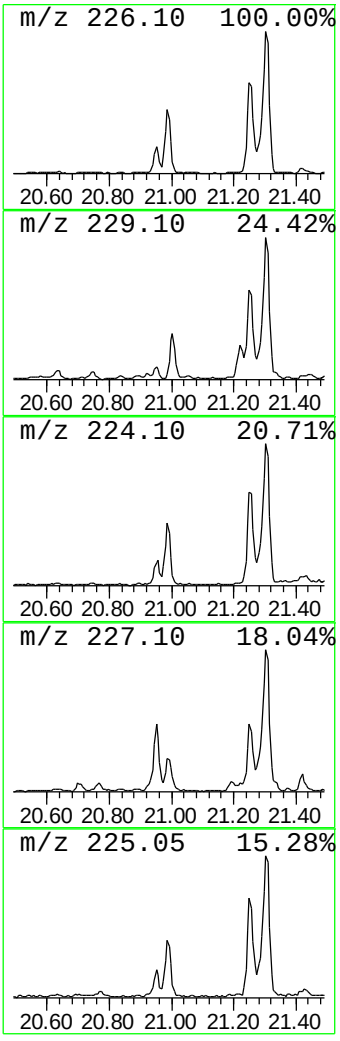
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.01 ng/ul	840840	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	58
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	53
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	50
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42





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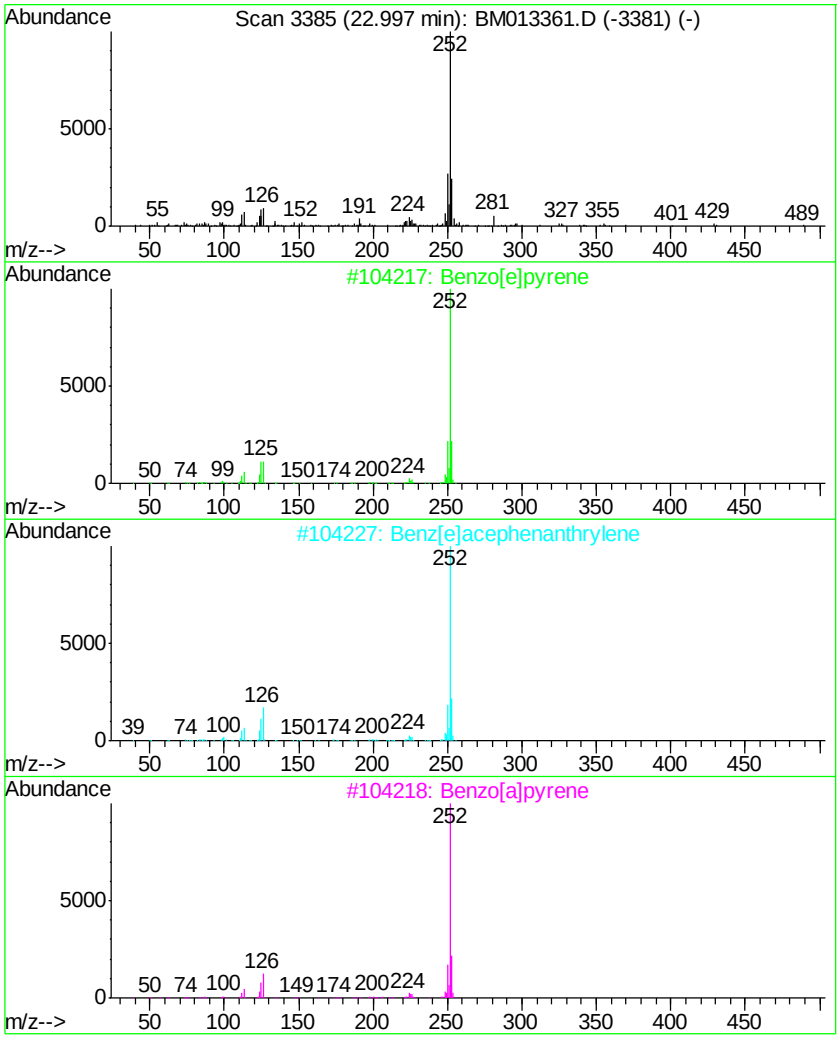
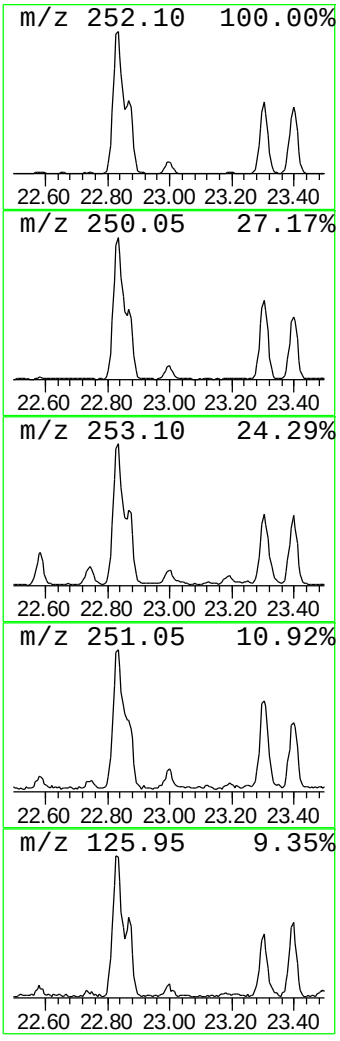
Peak Number 21 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.00	2.14 ng/ul	286267	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	89
4	Perylene	252	C20H12	000198-55-0	86
5	Perylene	252	C20H12	000198-55-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121217\
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B10DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	16.73	2.6	ng/ul	295606	4	17.07	2286830	20.0
Methanone, (2-met...	16.81	2.4	ng/ul	276729	4	17.07	2286830	20.0
Naphtho[2,1-b]thi...	16.89	3.5	ng/ul	406237	4	17.07	2286830	20.0
Benzo[c]cinnoline...	17.66	2.1	ng/ul	243716	4	17.07	2286830	20.0
1H-Indene, 1-phenyl-	17.95	5.7	ng/ul	655882	4	17.07	2286830	20.0
Phenanthrene, 1-m...	18.00	7.7	ng/ul	874847	4	17.07	2286830	20.0
Phenanthrene, 2-m...	18.08	2.1	ng/ul	244600	4	17.07	2286830	20.0
4H-Cyclopenta[def...	18.14	9.1	ng/ul	1043350	4	17.07	2286830	20.0
Anthracene, 2-met...	18.18	3.0	ng/ul	345760	4	17.07	2286830	20.0
1,2,4,8-Tetrameth...	18.46	3.9	ng/ul	449902	4	17.07	2286830	20.0
9,10-Anthracenedione	18.50	9.4	ng/ul	1076400	4	17.07	2286830	20.0
Phenanthrene, 2,5...	18.87	4.4	ng/ul	498659	4	17.07	2286830	20.0
Cyclopenta(def)ph...	19.02	10.1	ng/ul	1149340	4	17.07	2286830	20.0
Pyrene, 1-methyl-	19.83	3.1	ng/ul	1283000	5	21.27	8378110	20.0
11H-Benzo[a]fluor...	20.74	3.6	ng/ul	1506190	5	21.27	8378110	20.0
Benzo[b]naphtho[2...	20.91	4.0	ng/ul	1654730	5	21.27	8378110	20.0
Cyclopenta[cd]pyrene	20.99	2.0	ng/ul	840840	5	21.27	8378110	20.0
Benzo[e]pyrene	23.00	2.1	ng/ul	286267	6	23.49	2673500	20.0