LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012133.D
Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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-BM101217.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	7.845	804	809	822	rVB	635634	1085275	2.86%	0.361%
2	10.651	1280	1286	1290	rBV	889223	1492231	3.93%	0.497%
3	10.704	1290	1295	1303	rVB	919380	1579835	4.16%	0.526%
4	12.316	1563	1569	1576	rBV	469461	760207	2.00%	0.253%
5	12.539	1600	1607	1615	rVB	278376	467838	1.23%	0.156%
6	13.816	1817	1824	1829	rBV2	221118	418617	1.10%	0.139%
7	13.898	1835	1838	1843	rVB	310773	416003	1.10%	0.138%
8	14.192	1882	1888	1891	rBV	392115	638262	1.68%	0.212%
9	14.498	1930	1940	1946	rBV2	1384742	2301790	6.07%	0.766%
10	14.563	1946	1951	1958	rVB	3078907	4550559	11.99%	1.515%
11	14.804	1987	1992	1998	rVB	246204	388104	1.02%	0.129%
12	14.898	2001	2008	2017	rBV	1482969	2226379	5.87%	0.741%
13	15.492	2104	2109	2113	rVB	423941	572010	1.51%	0.190%
14	15.551	2113	2119	2128	rVB	2915682	4215024	11.11%	1.403%
15	15.710	2142	2146	2150	rVB2	486096	661439	1.74%	0.220%
16	15.839	2164	2168	2177	rVB	443687	676049	1.78%	0.225%
17	15.986	2188	2193	2201	rVV	474692	949247	2.50%	0.316%
18	16.339	2248	2253	2259	rVB	341927	483901	1.28%	0.161%
19	16.551	2277	2289	2294	rBV3	454701	1172396	3.09%	0.390%
20	16.998	2357	2365	2369	rVV2	618671	1225350	3.23%	0.408%
21	17.068	2372	2377	2386	rVB	1181805	1723965	4.54%	0.574%
22	17.251	2402	2408	2411	rBV2	1862310	2880024	7.59%	0.959%
23	17.304	2411	2417	2421	rVV	21858711	32577045	85.85%	10.843%
24	17.351	2421	2425	2427	rVV2	922939	1361589	3.59%	0.453%
25	17.386	2427	2431	2436	rVV	5835966	7889845	20.79%	2.626%
26	17.445	2436	2441	2450	rVB	752395	1238205	3.26%	0.412%
27	17.657	2468	2477	2489	rBV2	2688352	4619498	12.17%	1.538%
28	17.757	2490	2494	2501	rBV4	324342	555366	1.46%	0.185%
29	17.845	2502	2509	2514	rBV4	633966	1194162	3.15%	0.397%
30	18.121	2551	2556	2561	rBV	2274264	3172483	8.36%	1.056%
31	18.174	2561	2565	2572	rVB2	2866355	4130950	10.89%	1.375%
32	18.257	2574	2579	2584	rVB	1209375	1806791	4.76%	0.601%
33	18.327	2584	2591	2594	rBV2	3657931	6364255	16.77%	2.118%
34	18.357	2594	2596	2601	rVB	1302468	1459649	3.85%	0.486%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012133.D
Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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-BM101217.M
Title : SVOA CALIBRATION

35	18.474	2612	2616	2620	rBV2	302845	391524	1.03%	0.130%
36	18.621	2636	2641	2646	rVB	1588687	2103700	5.54%	0.700%
37	18.680	2646	2651	2658	rBV	593224	880602	2.32%	0.293%
38	18.868	2680	2683	2687	rVB3	424689	551482	1.45%	0.184%
39	18.915	2688	2691	2695	rBV	345940	420246	1.11%	0.140%
40	18.956	2695	2698	2701	rBV3	310935	443407	1.17%	0.148%
41	19.039	2707	2712	2717	rBV	848753	1583030	4.17%	0.527%
42	19.198	2733	2739	2744	rVB4	380370	815729	2.15%	0.272%
43	19.321	2752	2760	2764	rBV	27092330	37945617	100.00%	12.630%
44	19.404	2770	2774	2779	rBV3	859345	1279012	3.37%	0.426%
45	19.551	2795	2799	2804	rBV2	627196	962663	2.54%	0.320%
46	19.651	2810	2816	2817	rBV3	5894083	8938534	23.56%	2.975%
47	19.680	2817	2821	2828	rVV	21564033	31886624	84.03%	10.613%
48	19.739	2828	2831	2838	rVB2	1139427	1709892	4.51%	0.569%
49	19.851	2846	2850	2855	rVB	1607866	2065189	5.44%	0.687%
50	19.921	2858	2862	2867	rVB	1201158	1675715	4.42%	0.558%
51	20.003	2869	2876	2881	rBV3	1283148	3114755	8.21%	1.037%
52	20.051	2881	2884	2887	rBV	516464	734208	1.93%	0.244%
53	20.127	2893	2897	2900	rBV3	1010113	1966526	5.18%	0.655%
54	20.168	2900	2904	2909	rVB	4759794	6172048	16.27%	2.054%
55	20.268	2916	2921	2924	rBV	4379402	5940435	15.66%	1.977%
56	20.327	2925	2931	2934	rVV2	1725295	3353044	8.84%	1.116%
57	20.356	2934	2936	2940	rVB	1245589	1443702	3.80%	0.481%
58	20.468	2951	2955	2958	rBV	1025614	1465011	3.86%	0.488%
59	20.509	2959	2962	2966	rVV	950270	1223380	3.22%	0.407%
60	21.080	3055	3059	3062	rBV	1857940	2722791	7.18%	0.906%
61	21.115	3062	3065	3069	rVB	2390977	2883426	7.60%	0.960%
62	21.162	3069	3073	3077	rBV2	1882619	2919218	7.69%	0.972%
63	21.421	3112	3117	3122	rBV3	14279114	23072253	60.80%	7.680%
64	21.474	3122	3126	3134	rVB	12595502	16569845	43.67%	5.515%
65	21.592	3143	3146	3152	rVB	2569001	2989737	7.88%	0.995%
66	23.074	3392	3398	3402	rBV	6533120	14365699	37.86%	4.782%
67	23.574	3479	3483	3490	rVB	3608650	6245697	16.46%	2.079%
68	23.680	3496	3501	3508	rVB	6286478	12347493	32.54%	4.110%

Sum of corrected areas: 300436577

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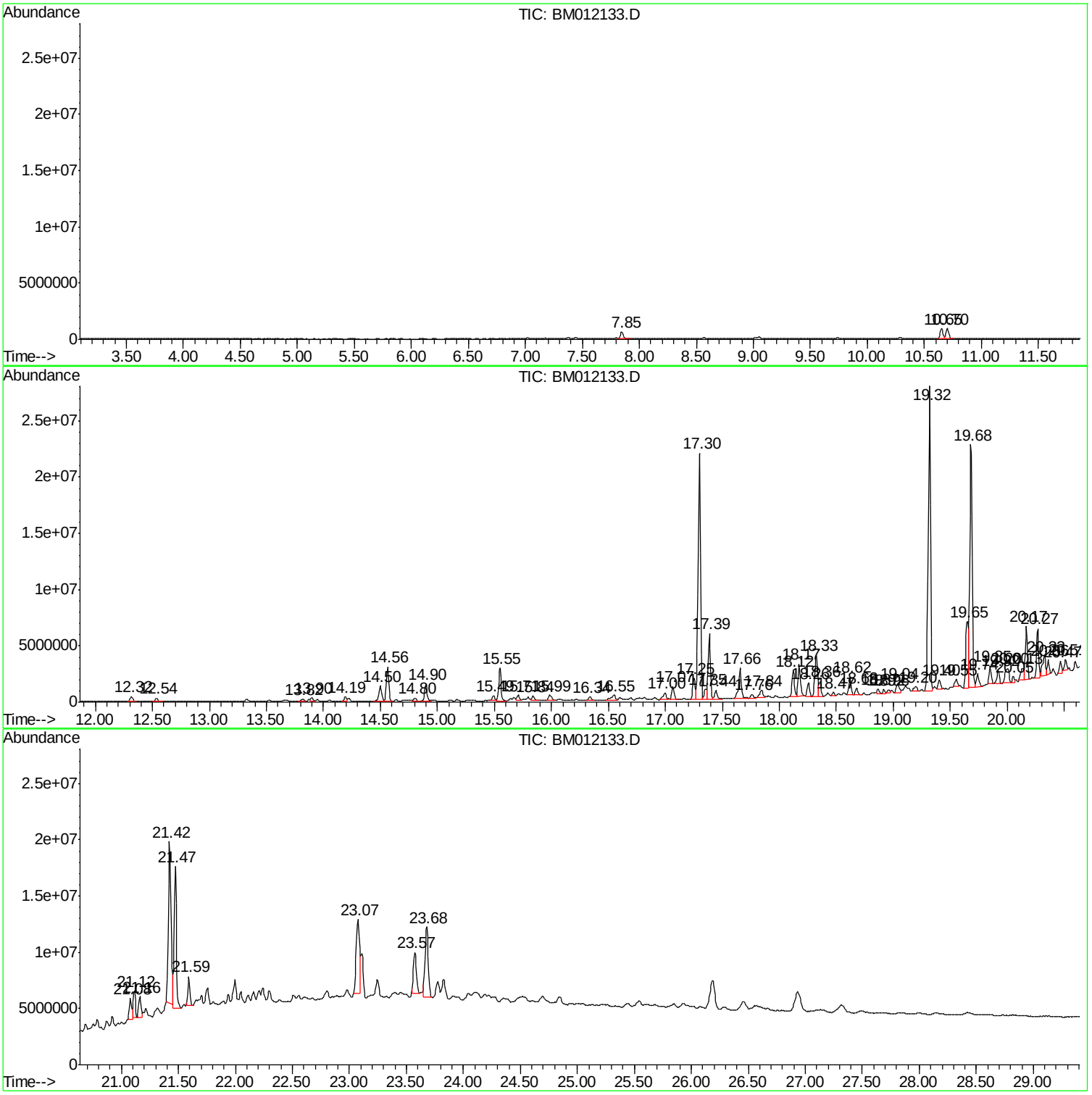
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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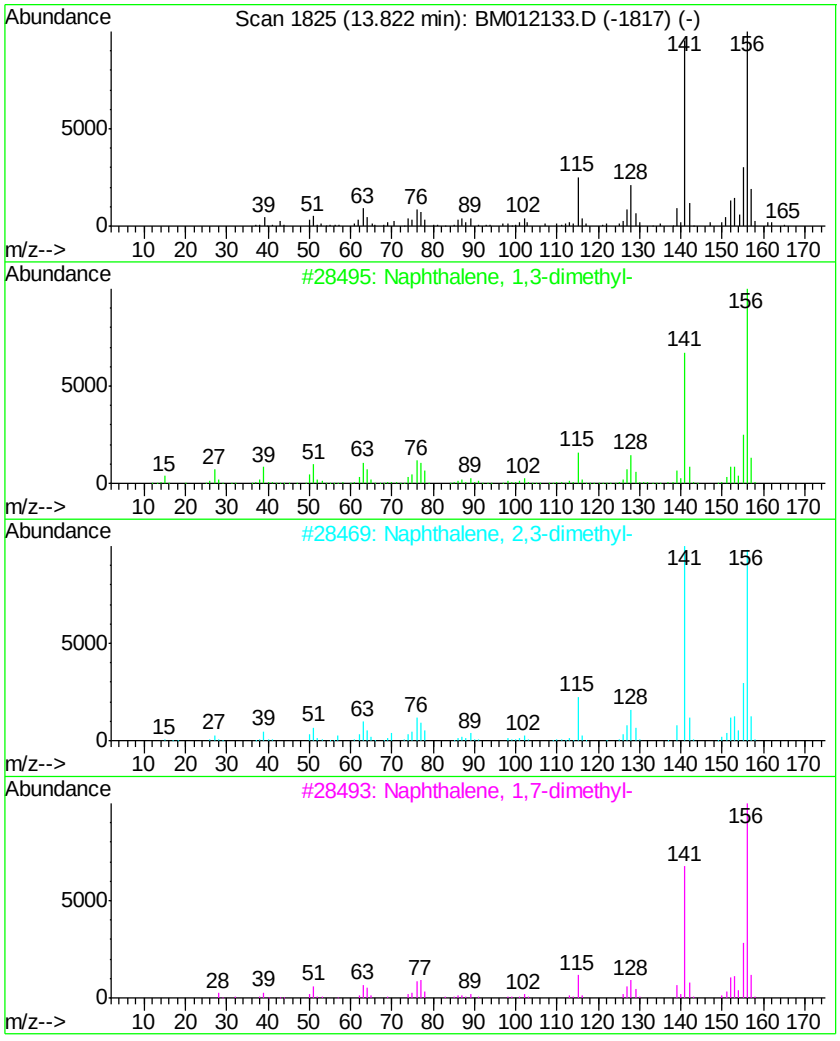
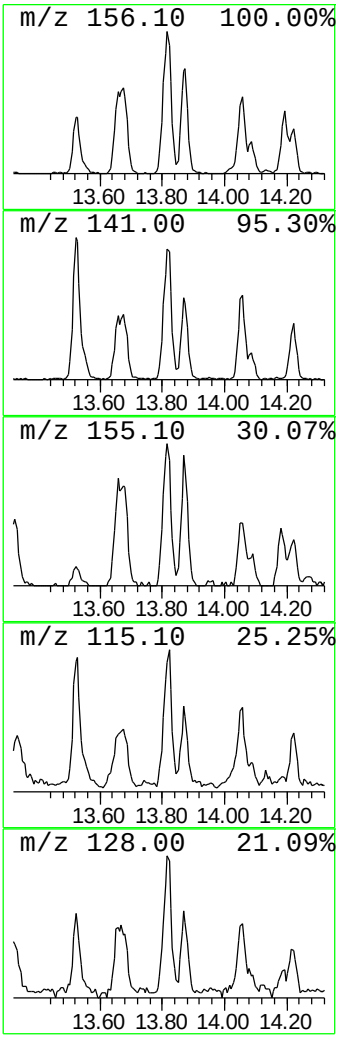
Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.64 ng/ul	418617	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012133.D
Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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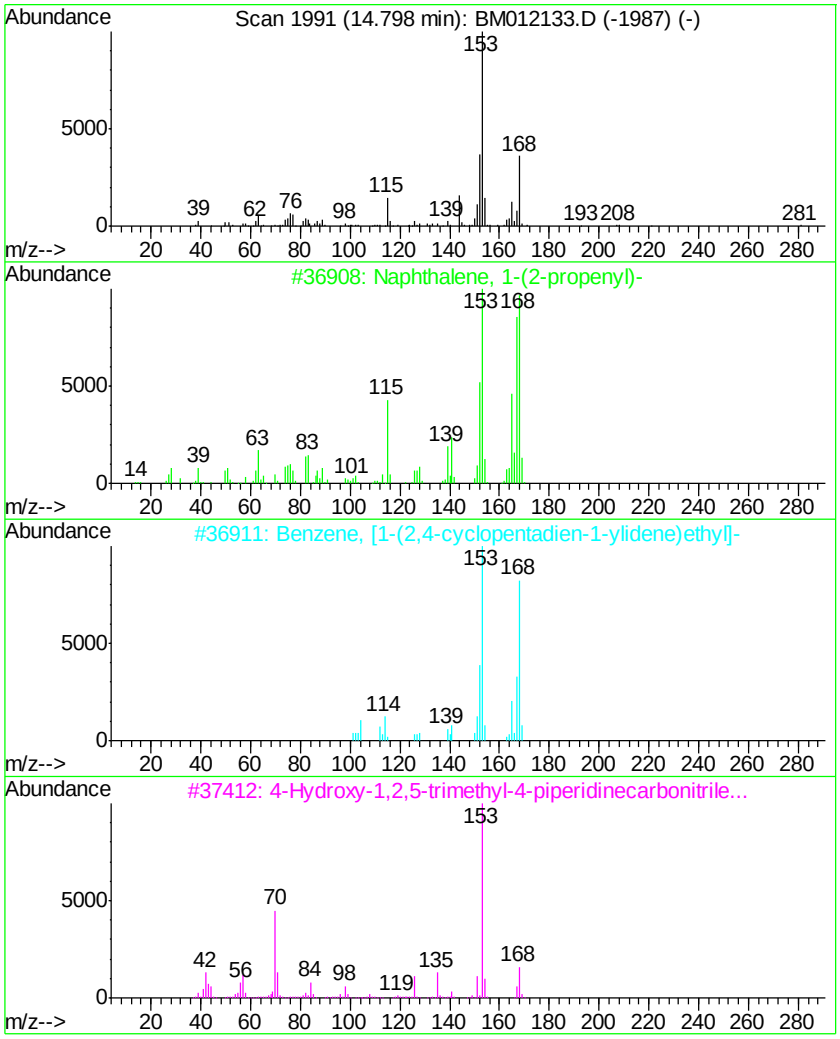
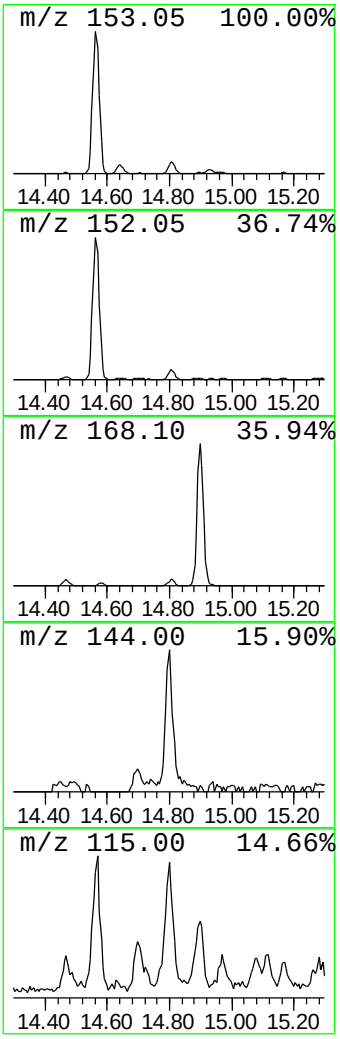
Peak Number 3 Naphthalene, 1-(2-propenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	3.37 ng/ul	388104	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	46
5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	46





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Data File : BM012133.D
Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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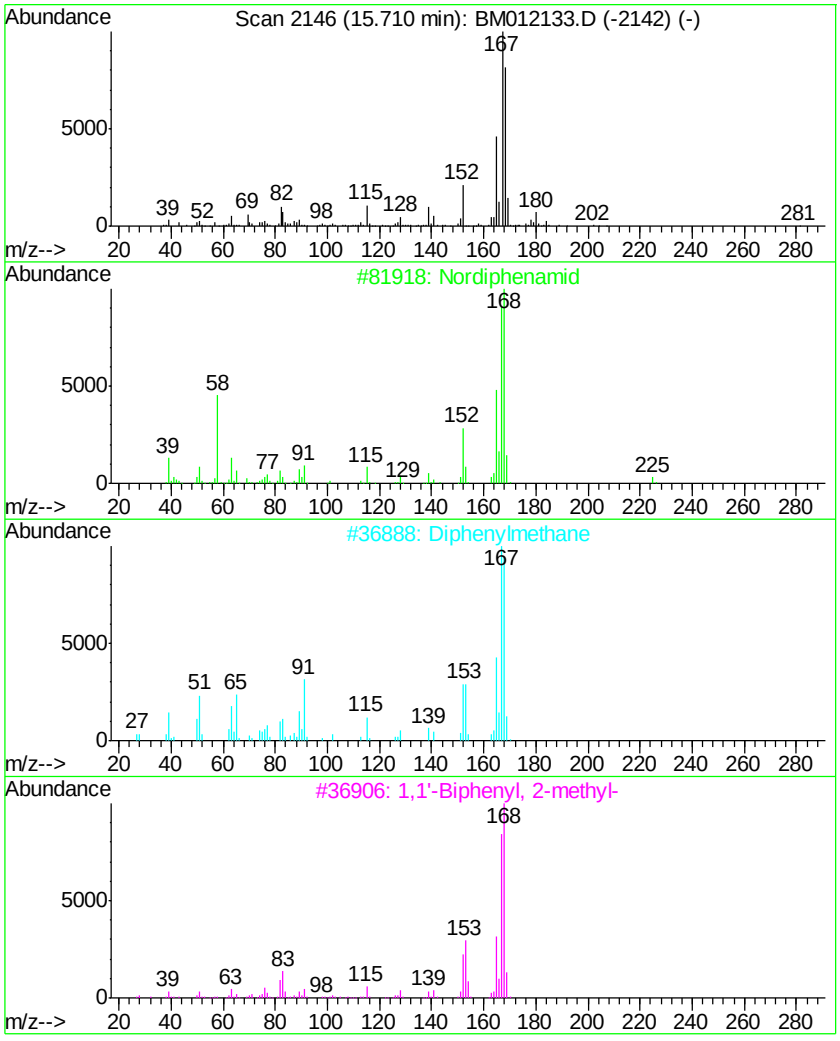
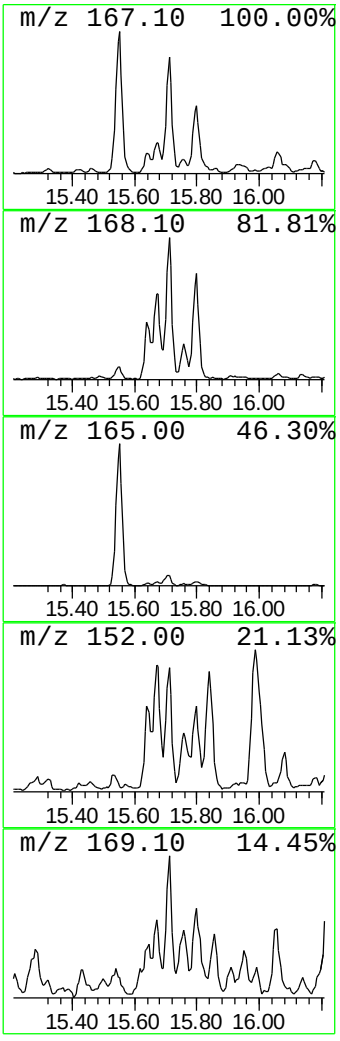
Peak Number 4 Nordiphenamid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	5.75 ng/ul	661439	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	90
2	Diphenylmethane	168	C13H12	000101-81-5	81
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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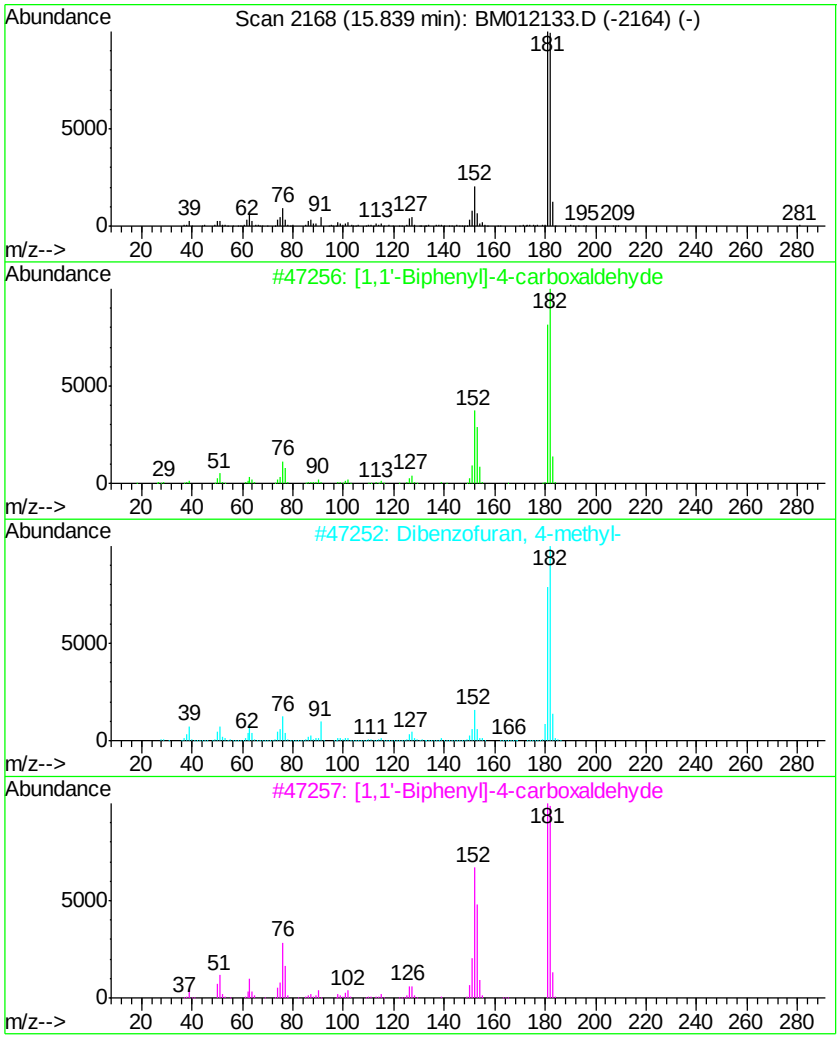
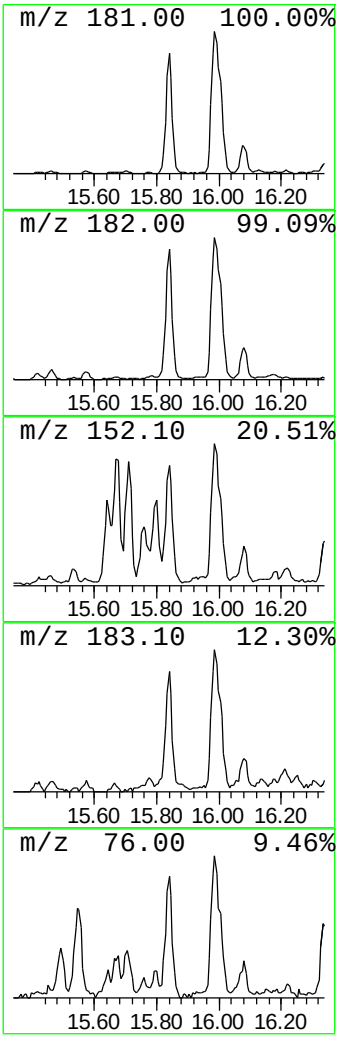
Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	5.87 ng/ul	676049	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Misc :
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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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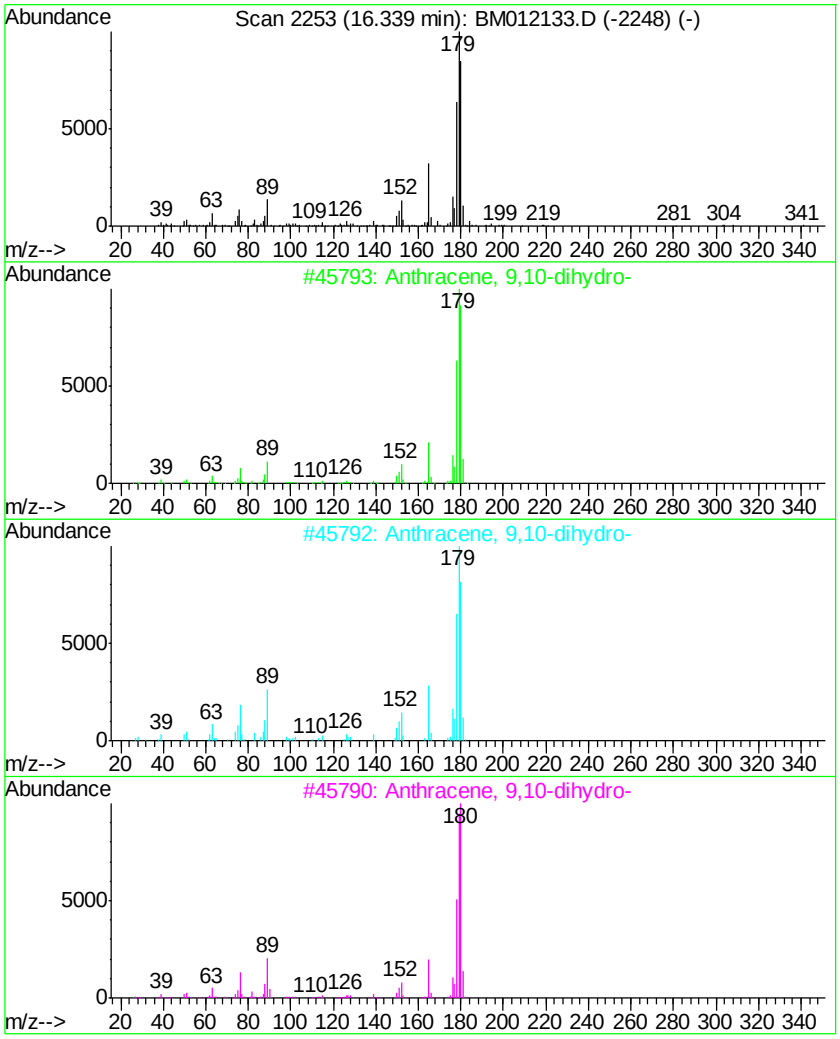
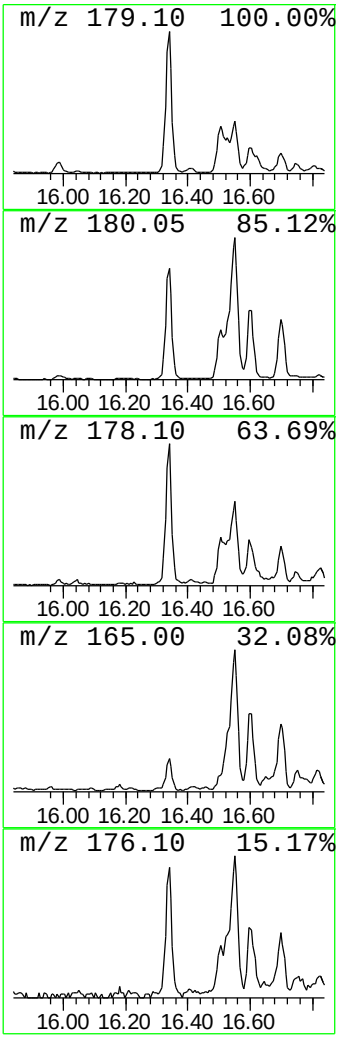
Peak Number 7 Anthracene, 9,10-dihydro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	3.36 ng/ul	483901	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	97
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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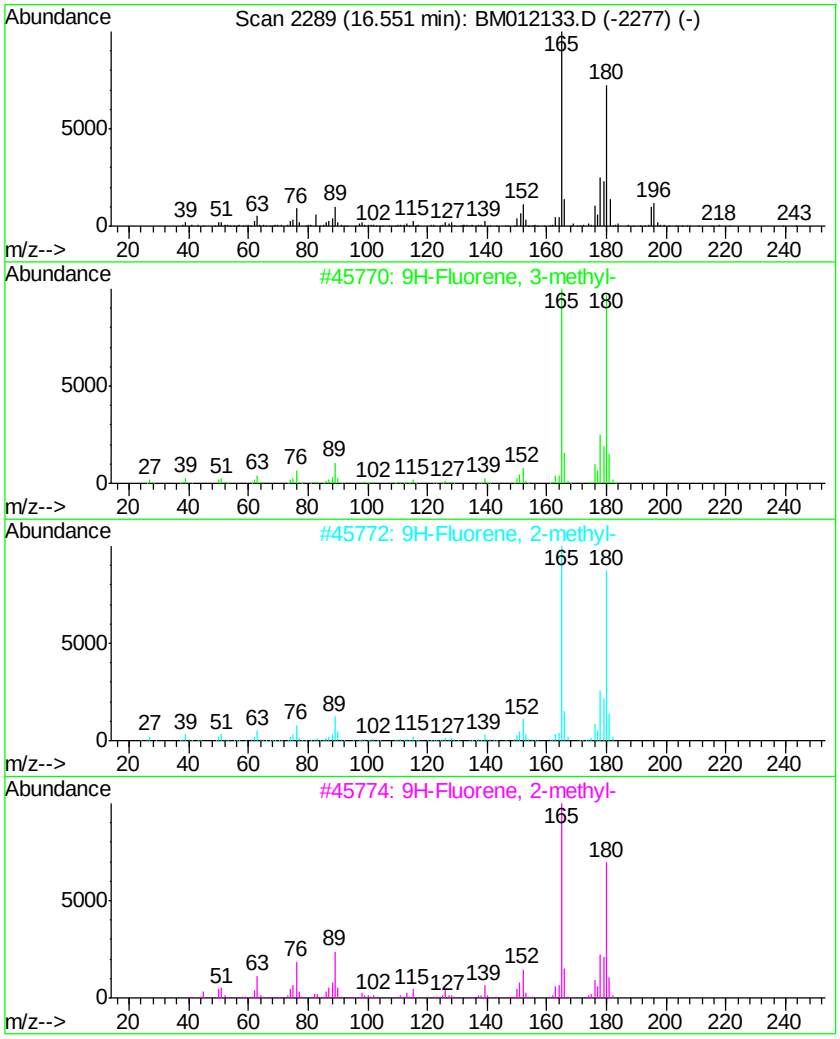
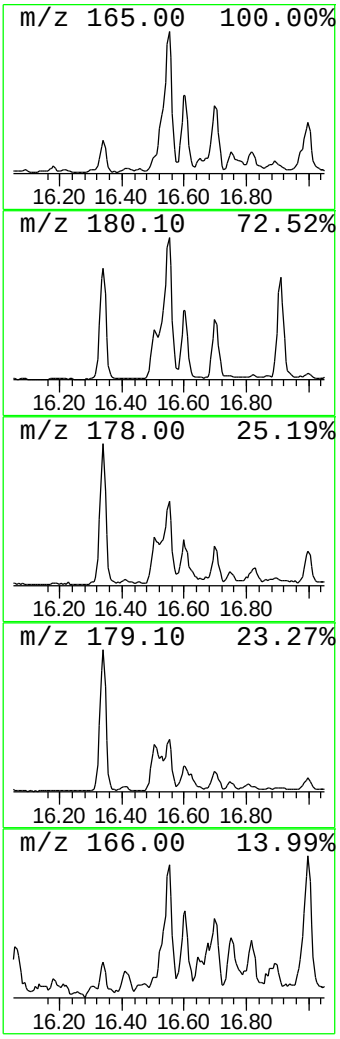
Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	8.14 ng/ul	1172400	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012133.D
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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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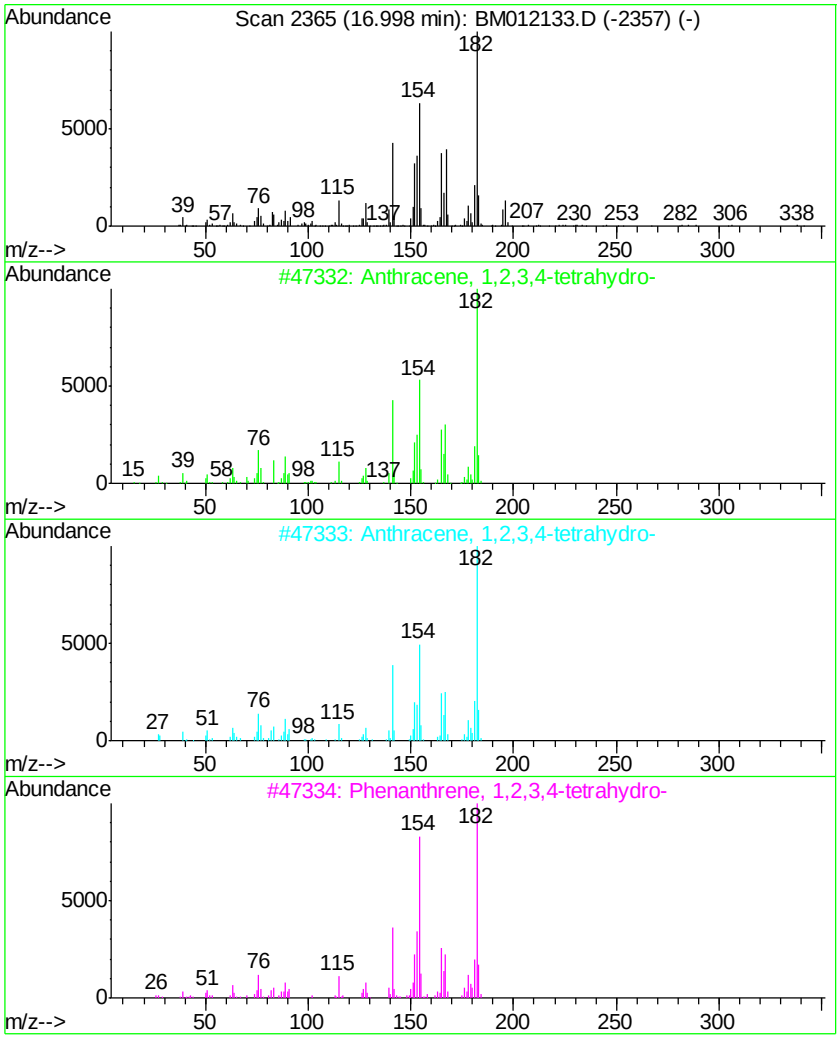
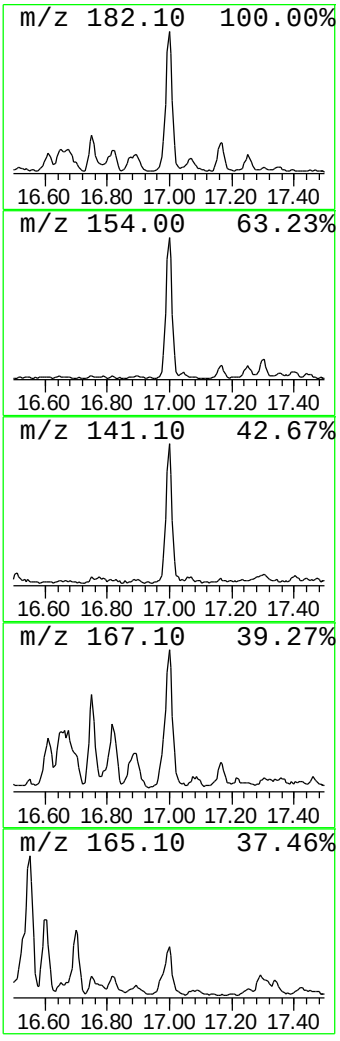
Peak Number 9 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	8.51 ng/ul	1225350	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	60





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Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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Quant Title : SVOA CALIBRATION

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

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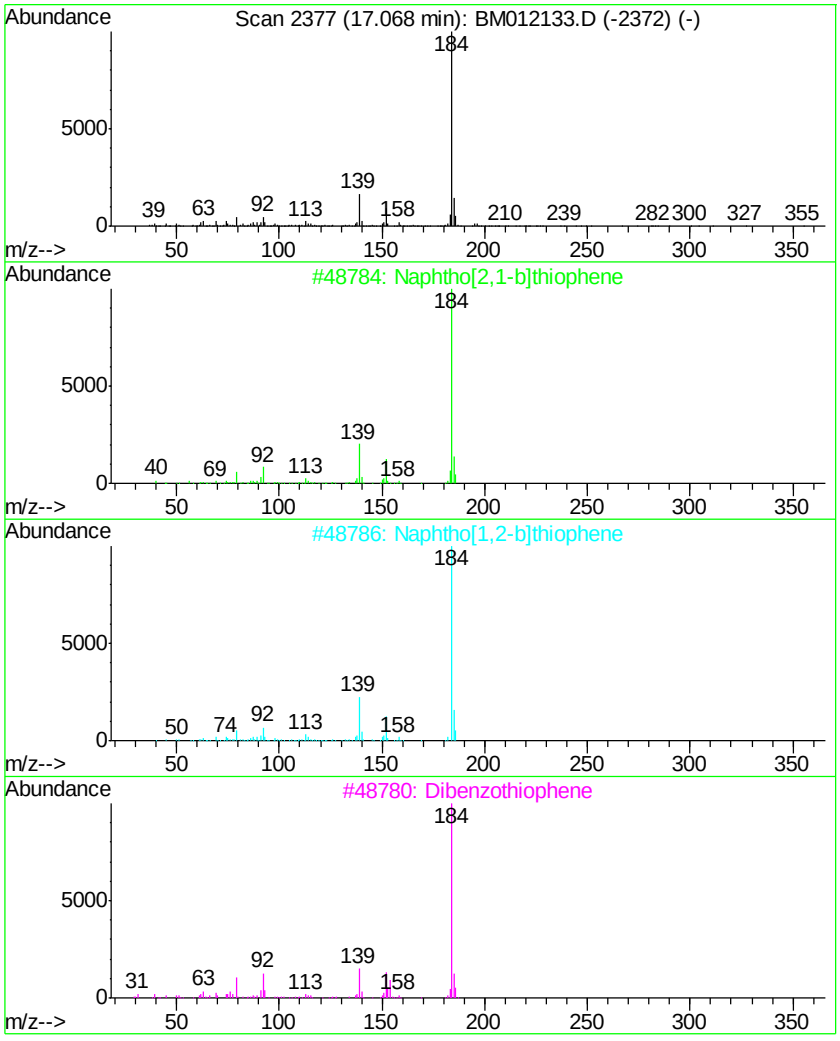
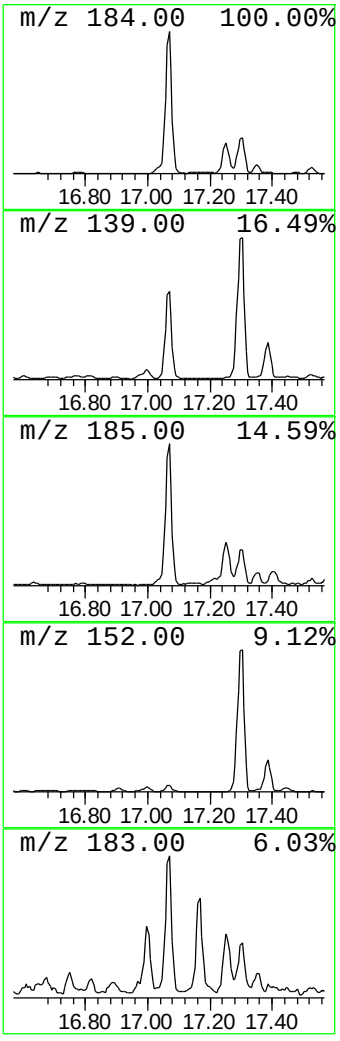
Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	11.97 ng/ul	1723970	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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Quant Title : SVOA CALIBRATION

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

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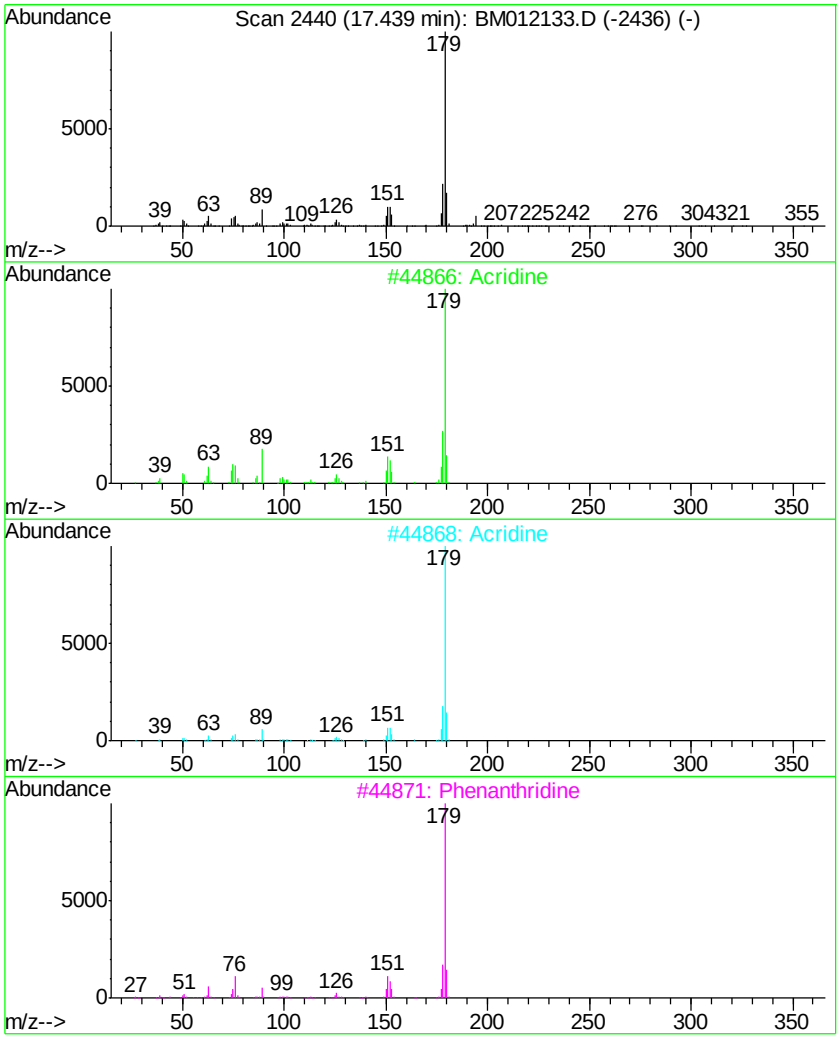
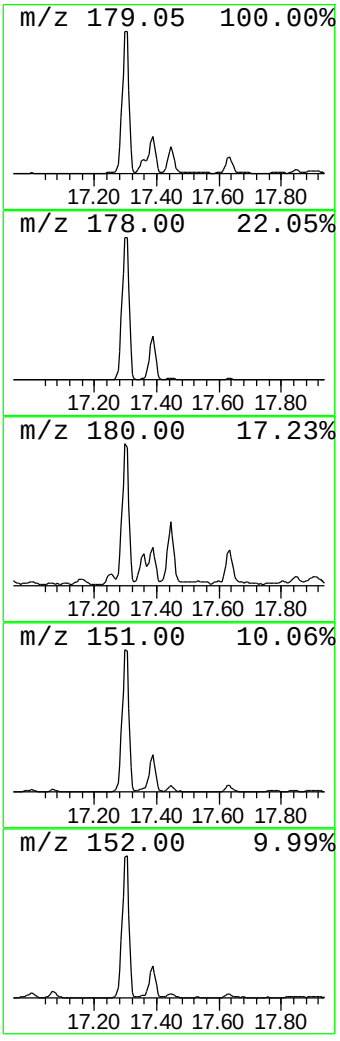
Peak Number 11 Acridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	8.60 ng/ul	1238210	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	96
2	Acridine	179	C13H9N	000260-94-6	95
3	Phenanthridine	179	C13H9N	000229-87-8	95
4	Acridine	179	C13H9N	000260-94-6	94
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	94





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Misc :
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ClientSampleId : B-53(1-3)-092817

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Quant Title : SVOA CALIBRATION

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

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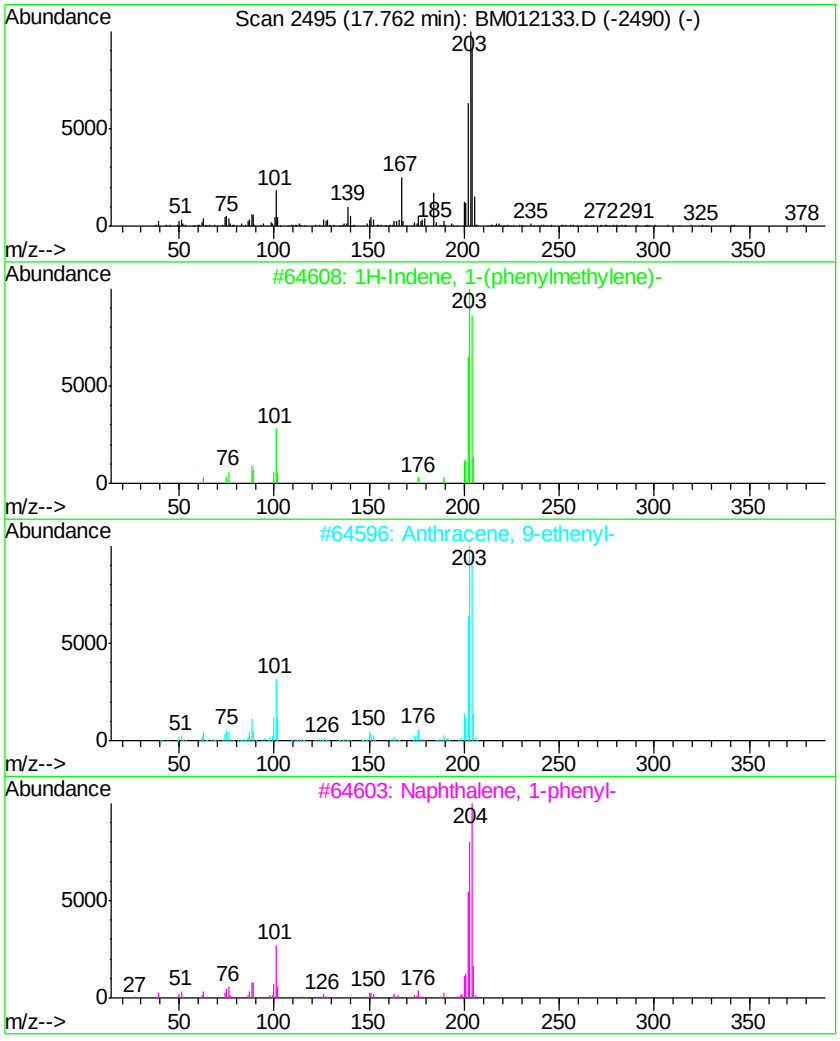
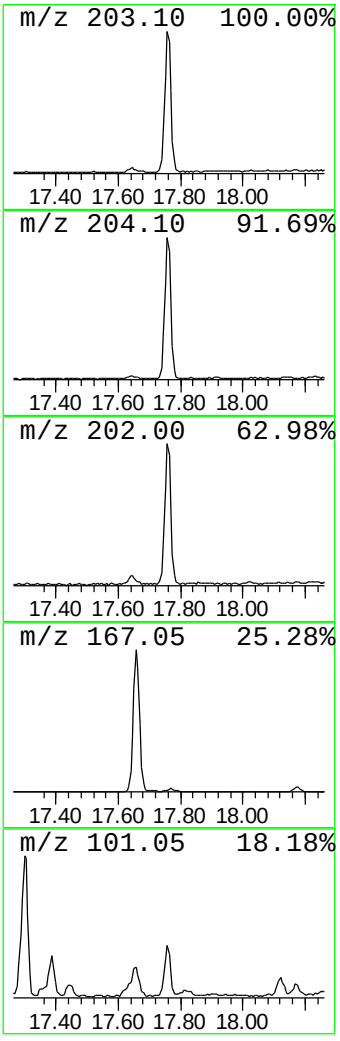
Peak Number 12 1H-Indene, 1-(phenylmethyle... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	3.86 ng/ul	555366	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	92
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86





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Misc :
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Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817

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Quant Title : SVOA CALIBRATION

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

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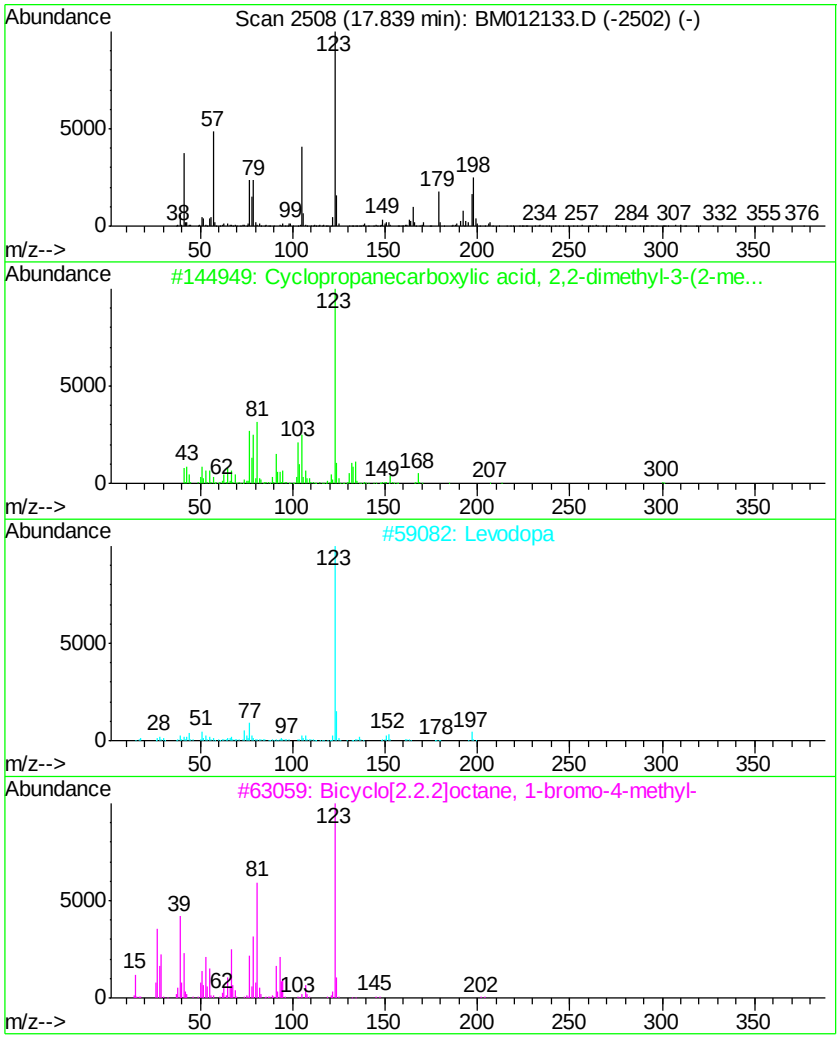
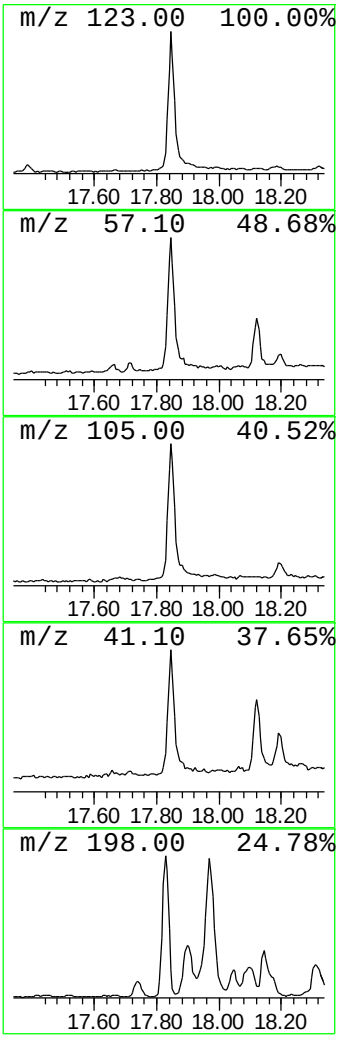
Peak Number 13 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	8.29 ng/ul	1194160	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 2,2...	300	C19H24O3	023031-36-9	45
2	Levodopa	197	C9H11NO4	000059-92-7	38
3	Bicyclo[2.2.2]octane, 1-bromo-4-...	202	C9H15Br	000697-40-5	33
4	4-Fluorobenzoic acid, but-3-yn-2...	192	C11H9FO2	1000299-15-0	32
5	Phenol, 3-amino-2-methyl-	123	C7H9NO	053222-92-7	32





Library Search Compound Report

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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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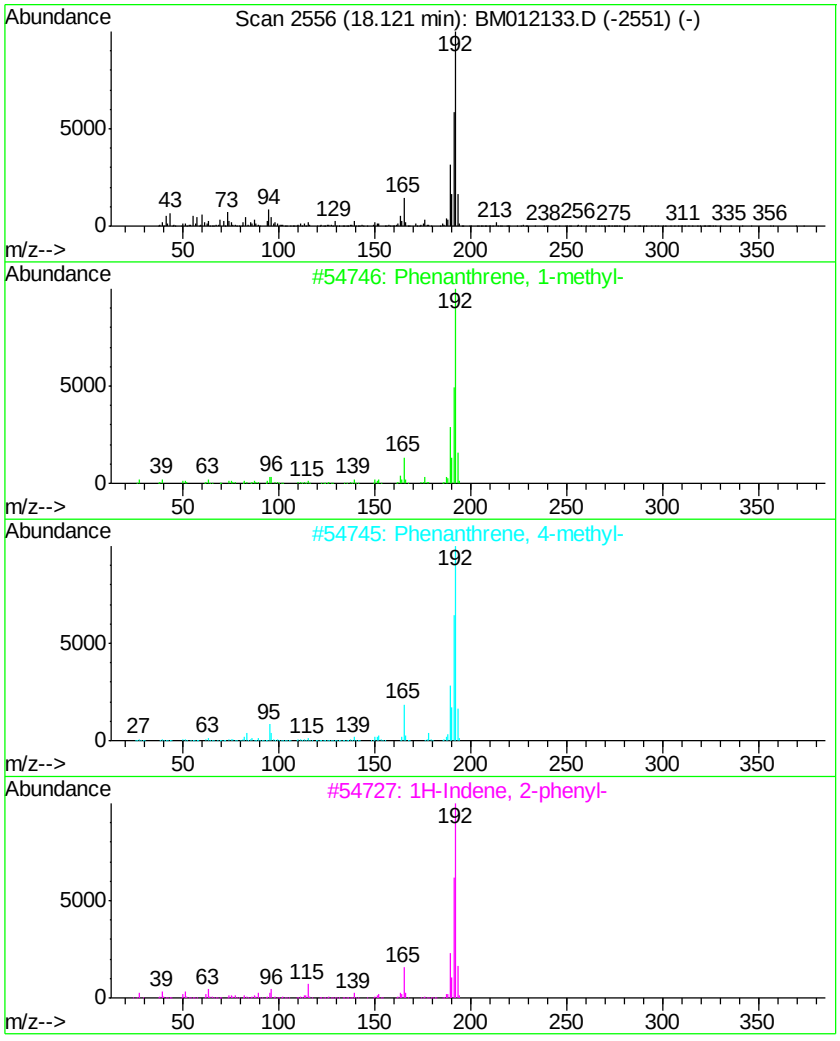
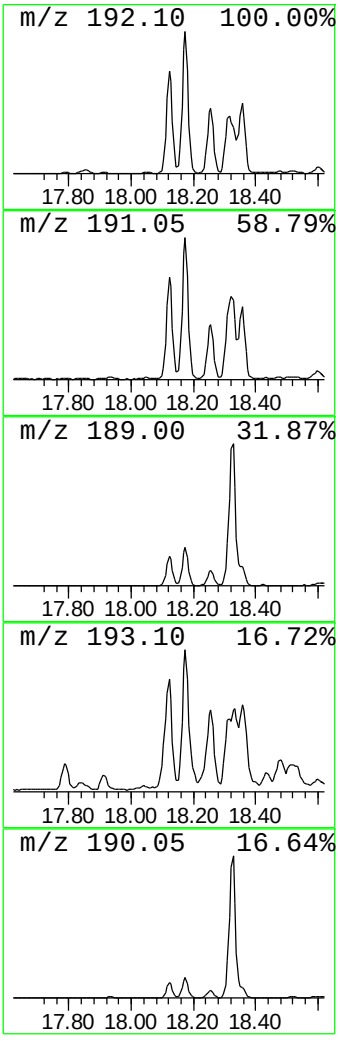
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	22.03 ng/ul	3172480	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Sample : I5568-01 5X
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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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Quant Title : SVOA CALIBRATION

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

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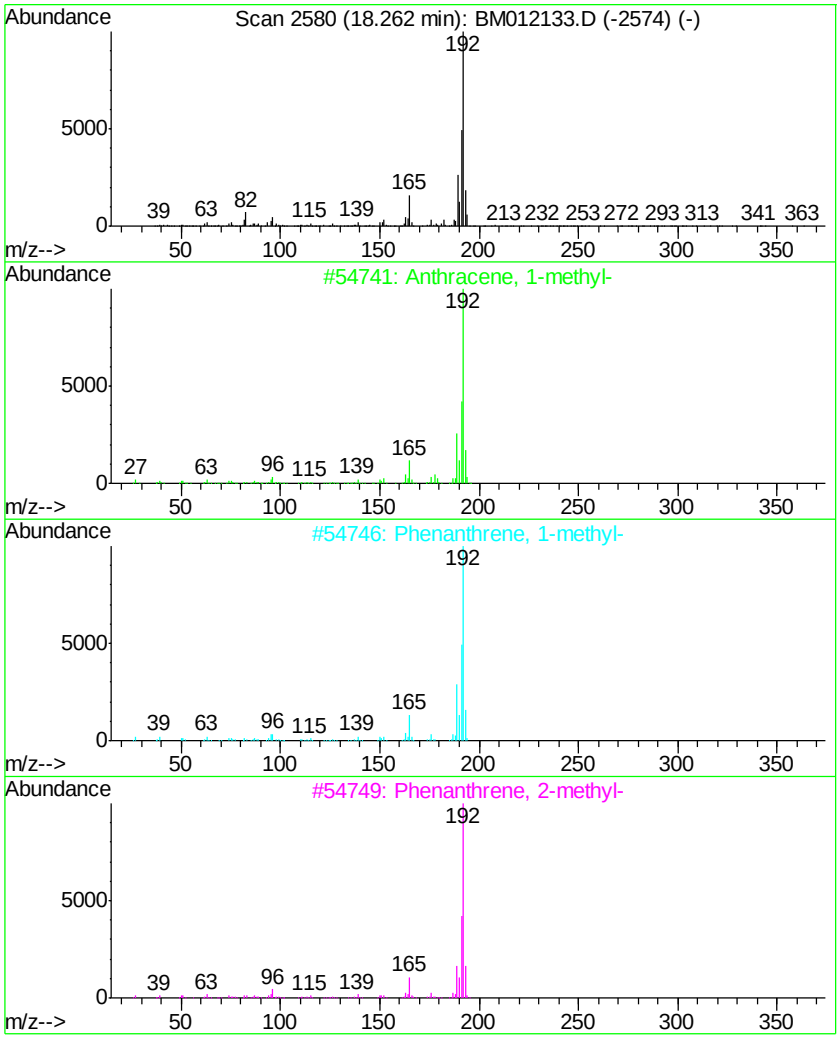
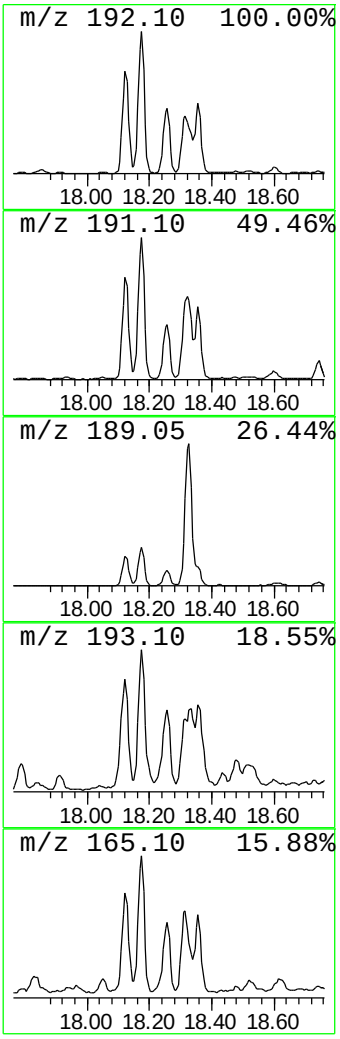
Peak Number 15 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	12.55 ng/ul	1806790	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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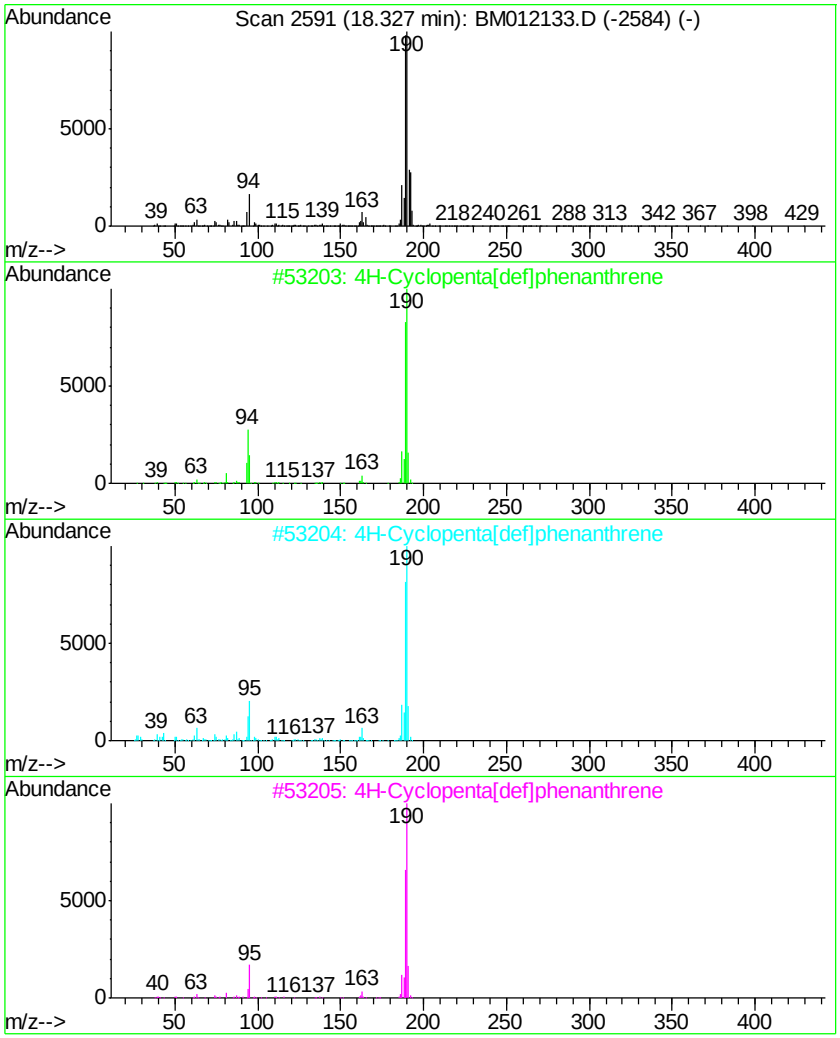
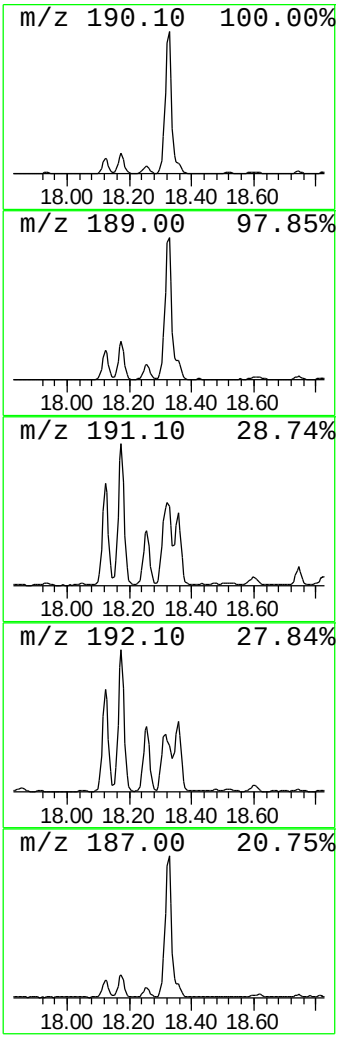
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	44.20 ng/ul	6364260	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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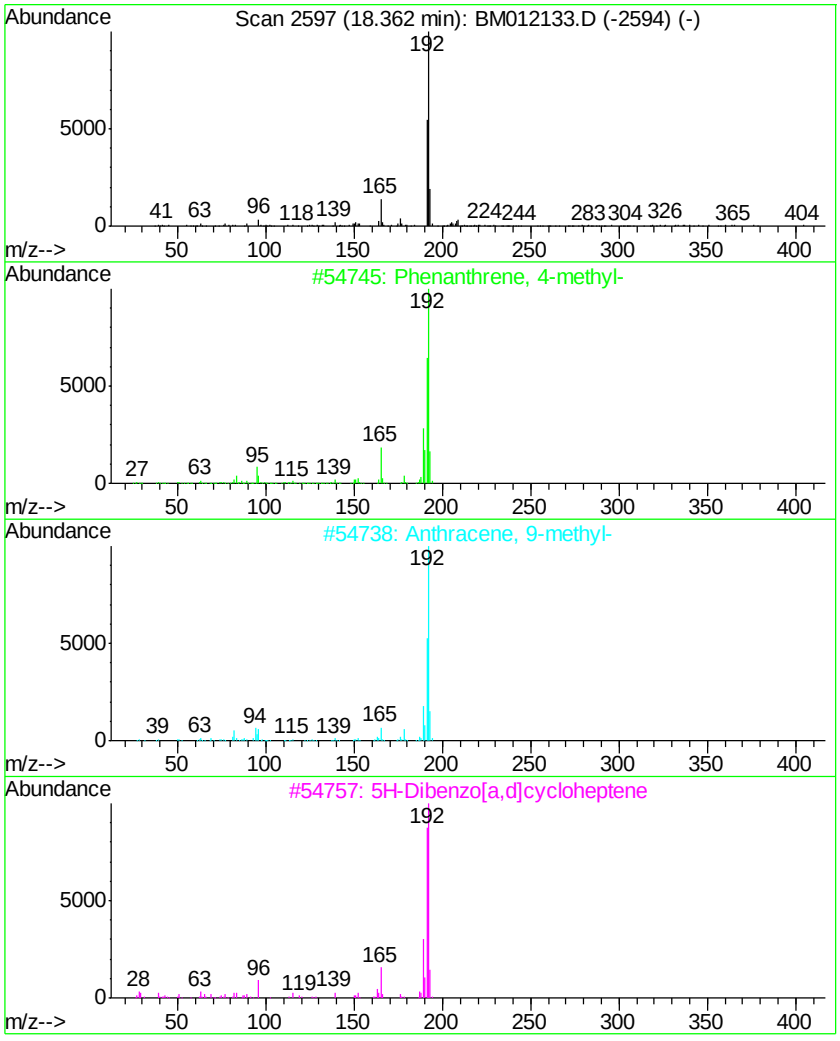
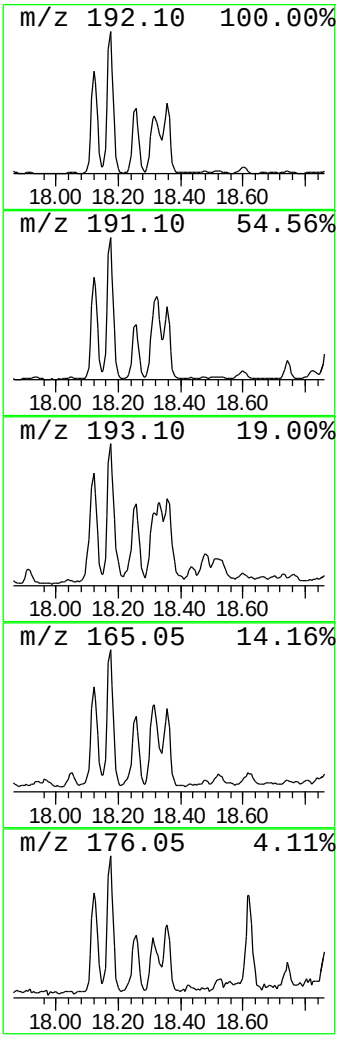
Peak Number 17 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	10.14 ng/ul	1459650	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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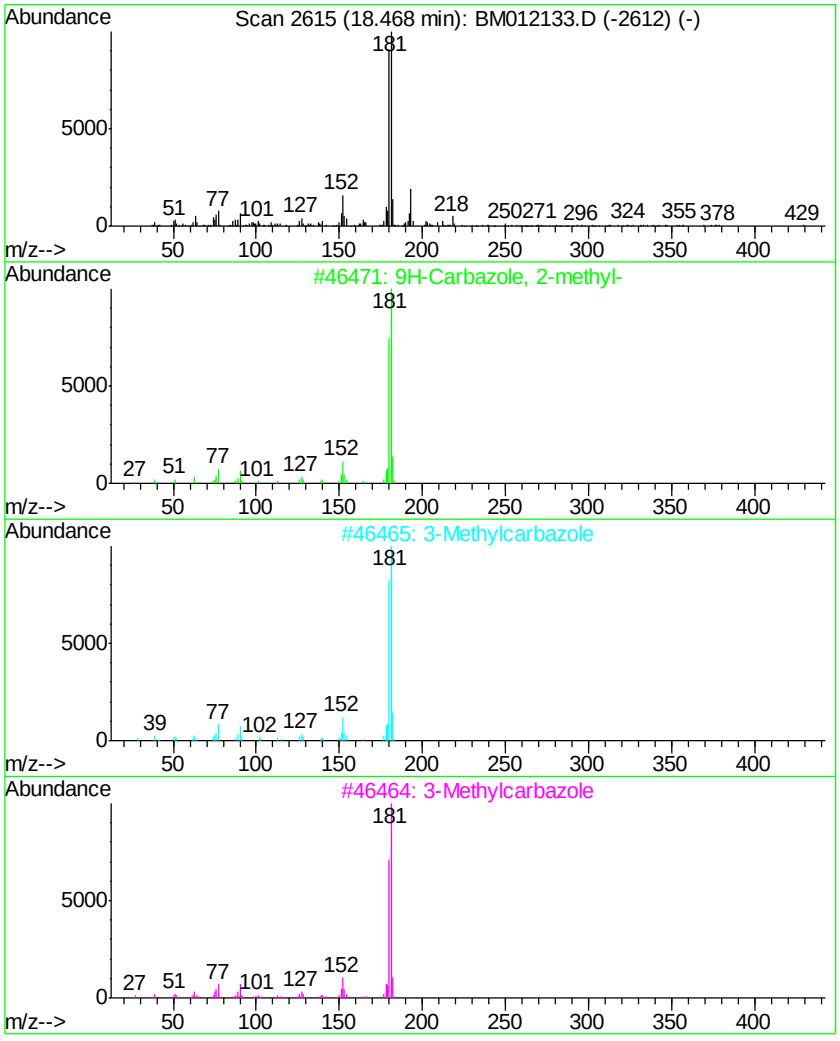
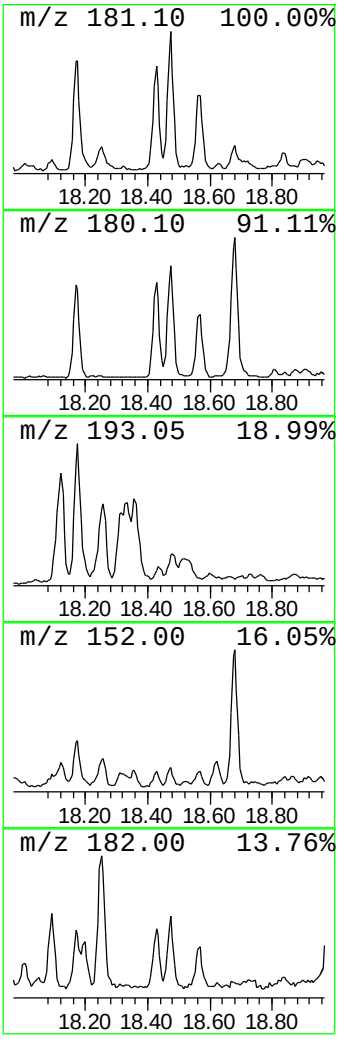
Peak Number 18 9H-Carbazole, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.72 ng/ul	391524	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
2	3-Methylcarbazole	181	C13H11N	004630-20-0	95
3	3-Methylcarbazole	181	C13H11N	004630-20-0	93
4	4-Methylcarbazole	181	C13H11N	003770-48-7	92
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	90





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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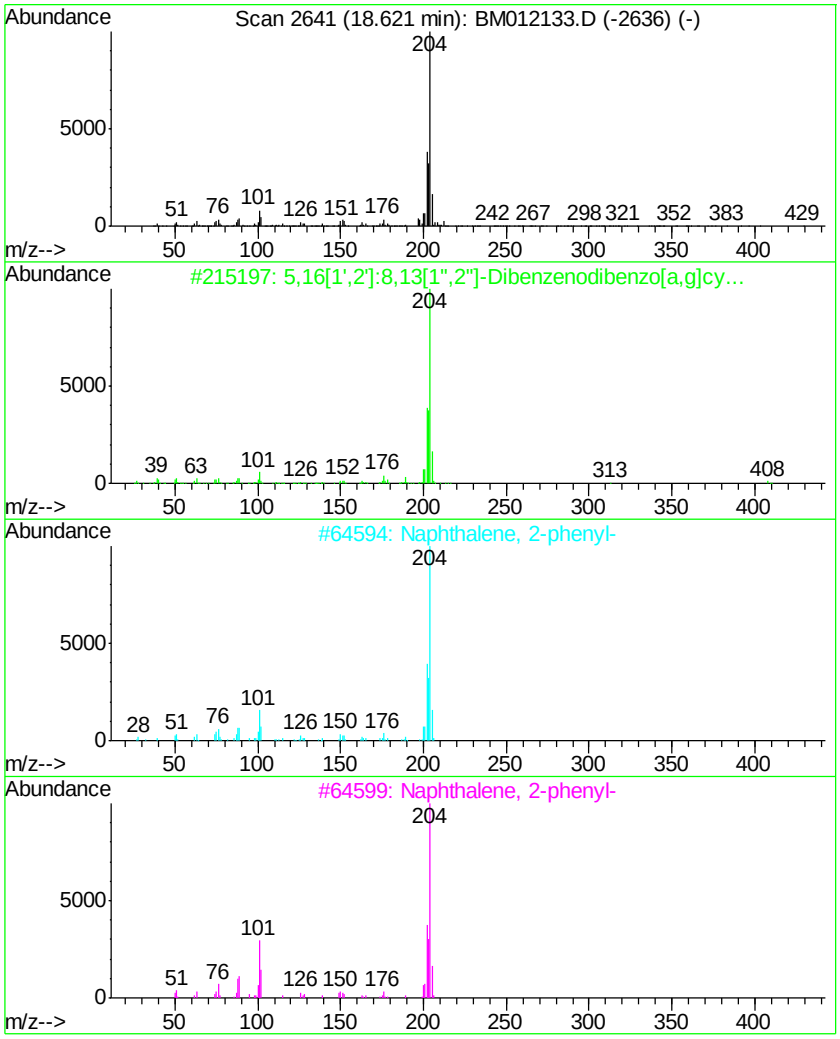
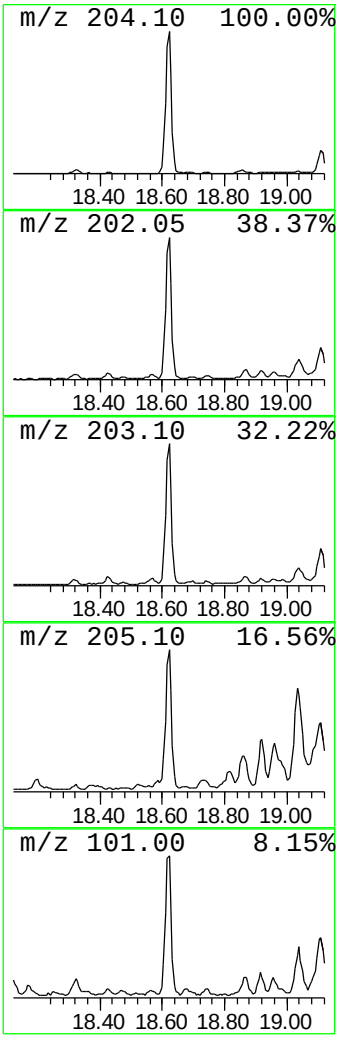
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	14.61 ng/ul	2103700	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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ALS Vial : 32 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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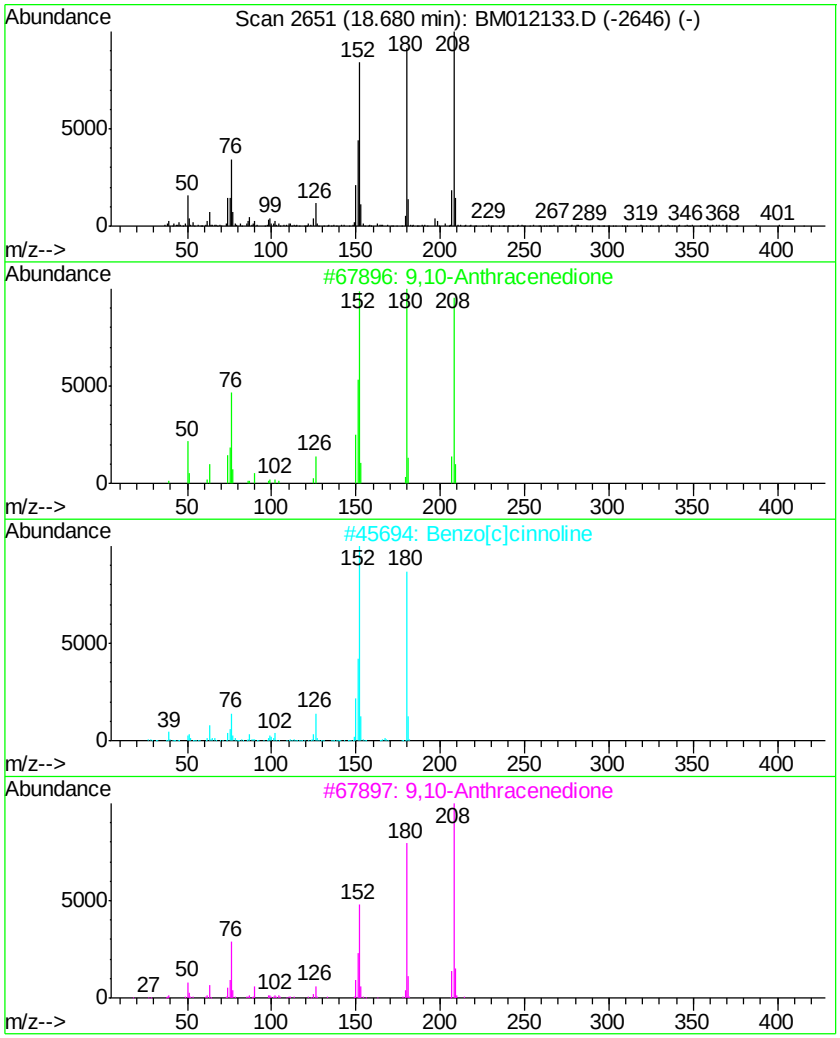
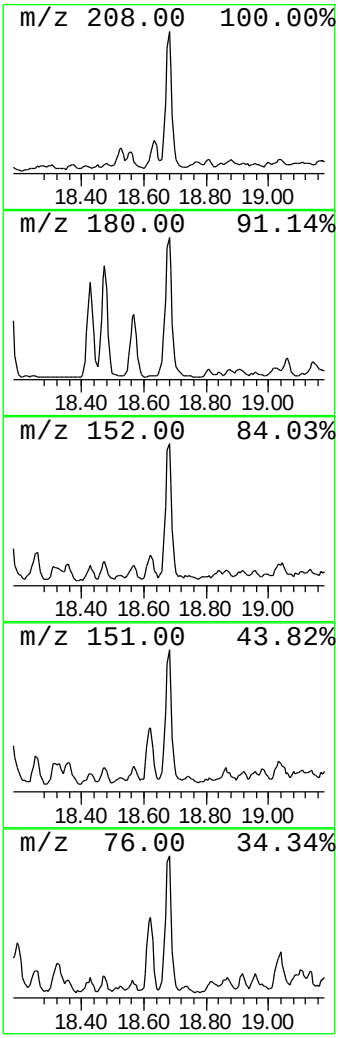
Peak Number 20 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	6.12 ng/ul	880602	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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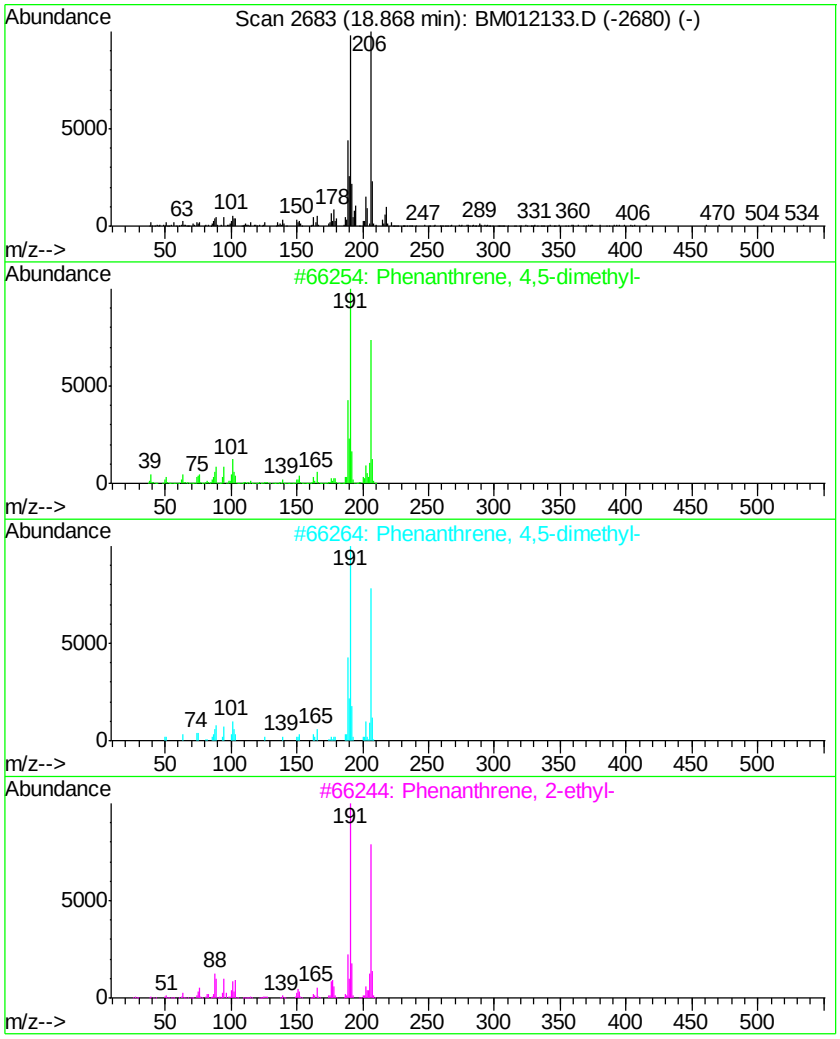
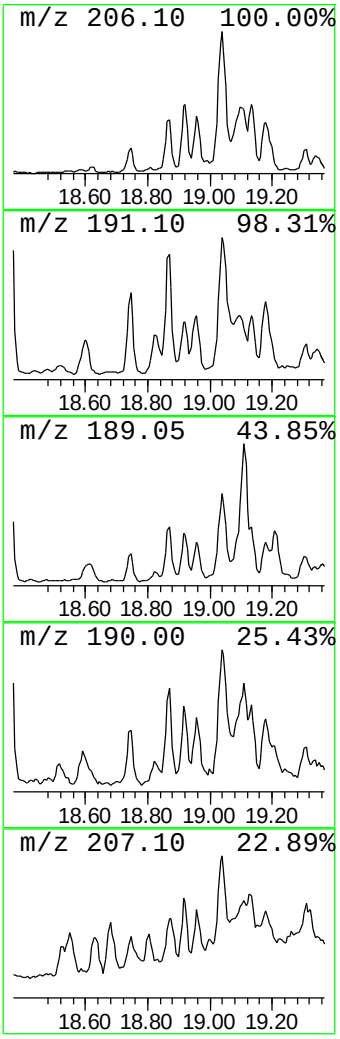
Peak Number 21 Phenanthrene, 4,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.83 ng/ul	551482	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012133.D
Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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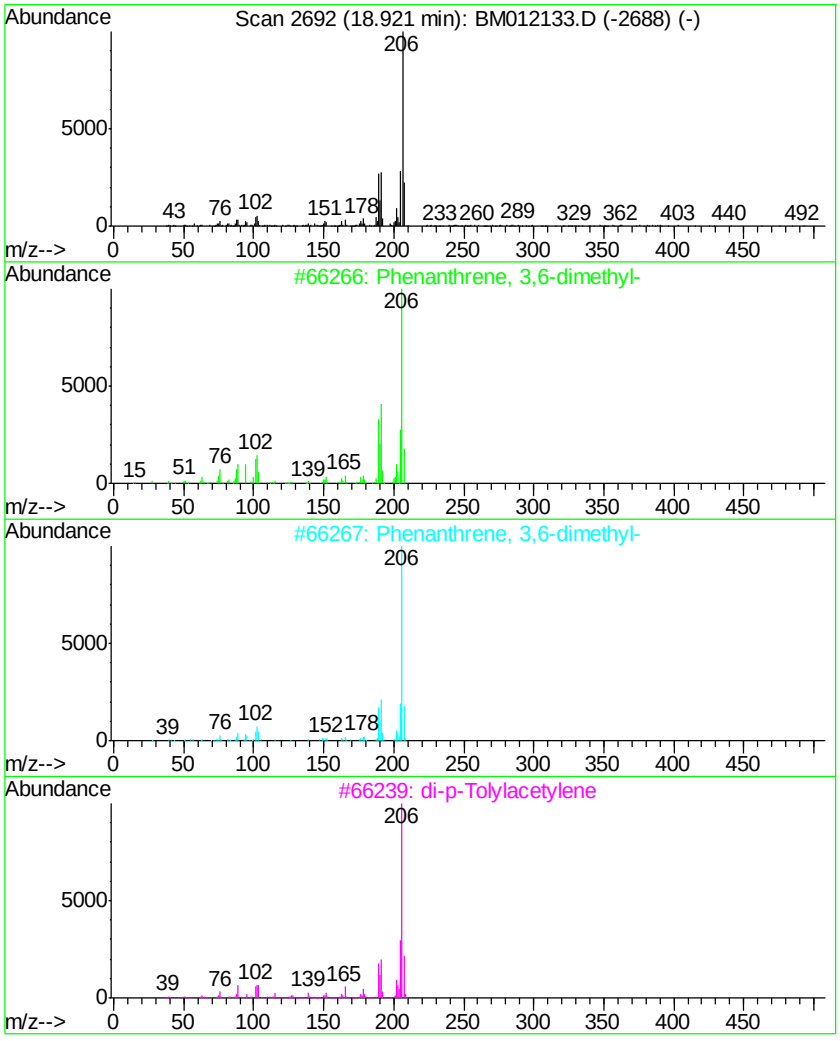
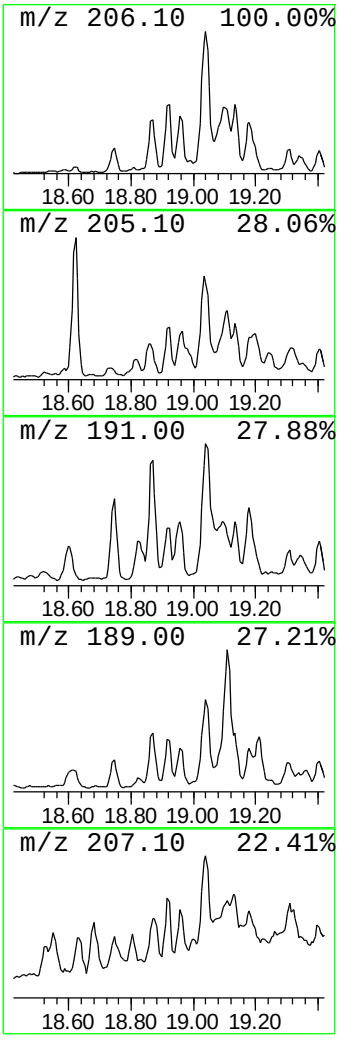
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.92 ng/ul	420246	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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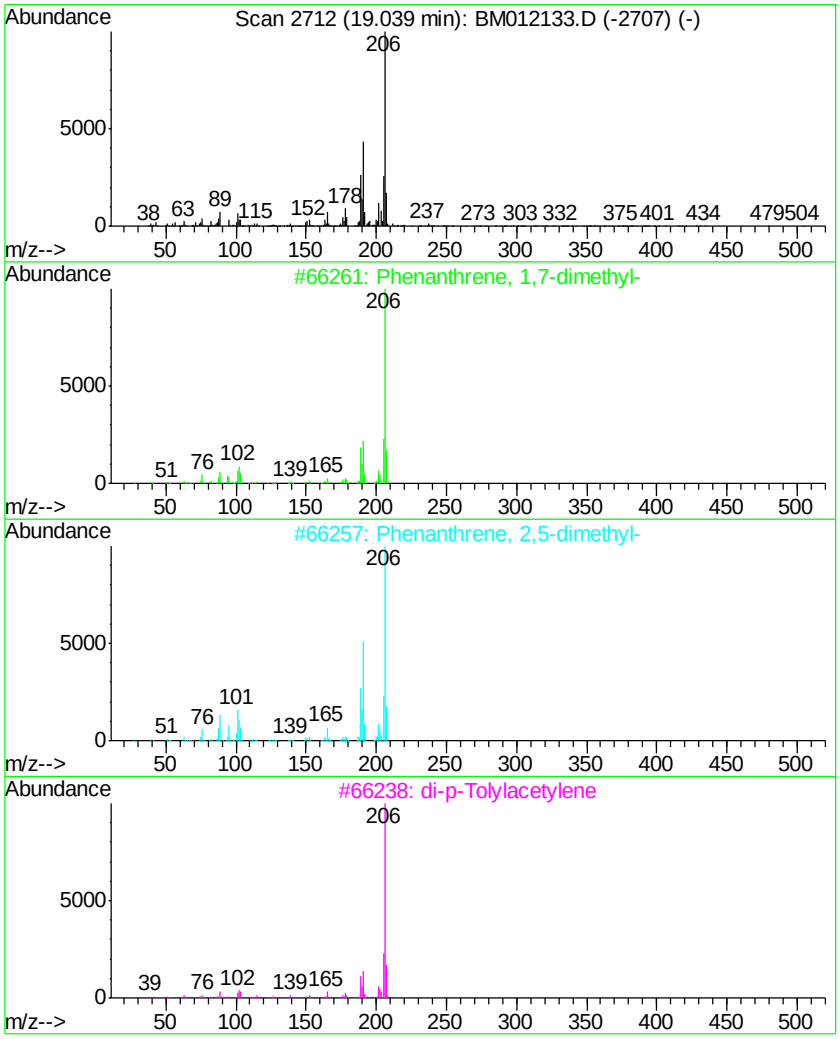
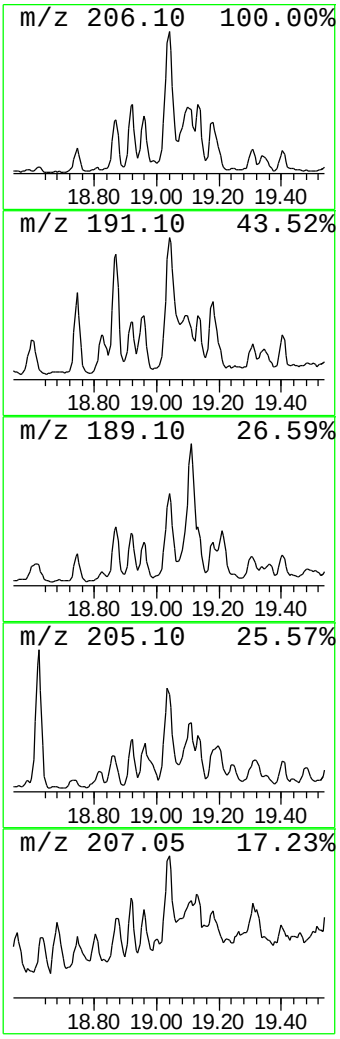
Peak Number 24 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	10.99 ng/ul	1583030	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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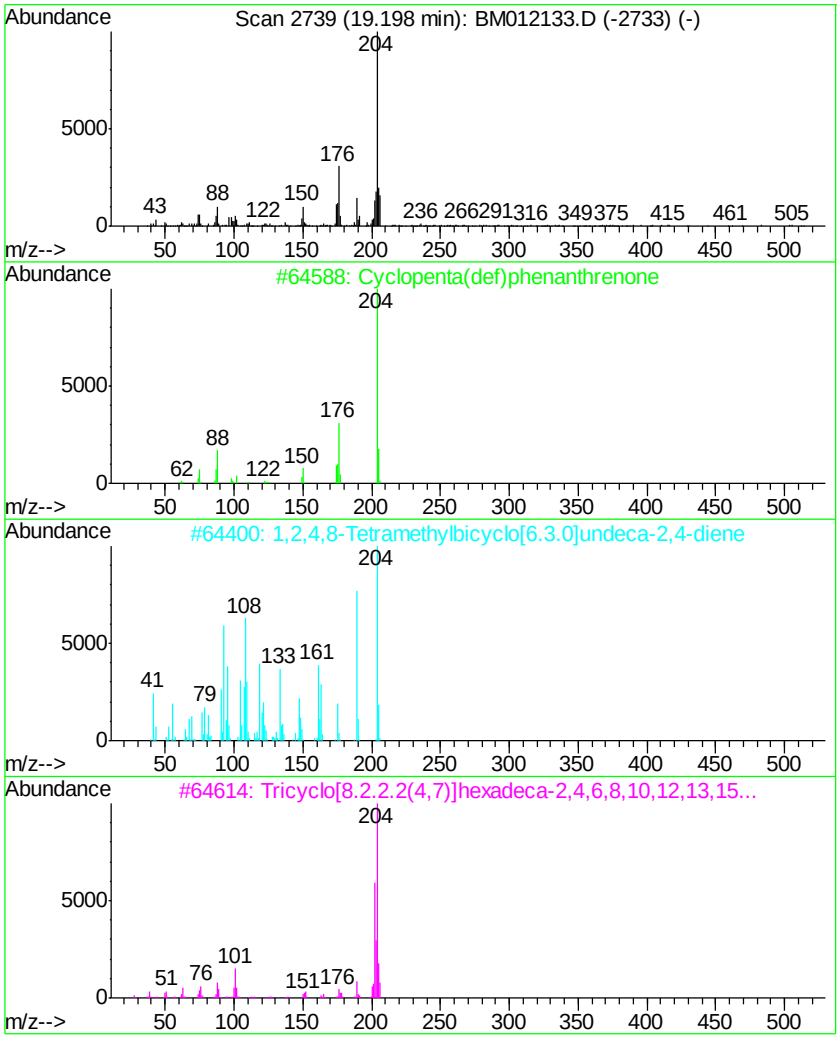
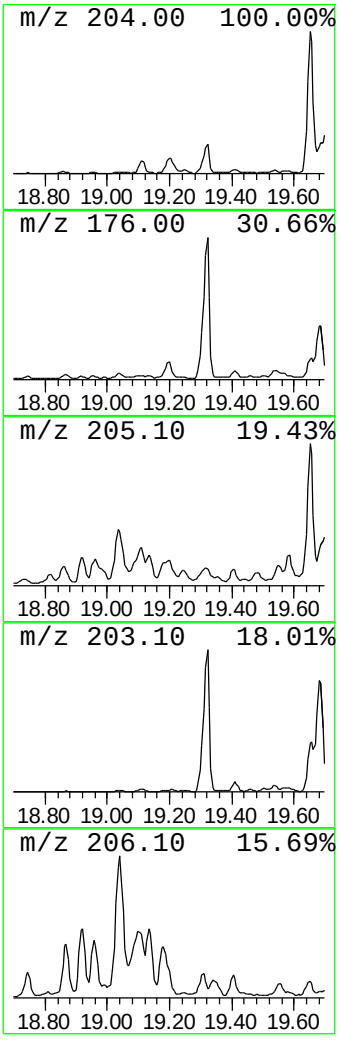
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	5.66 ng/ul	815729	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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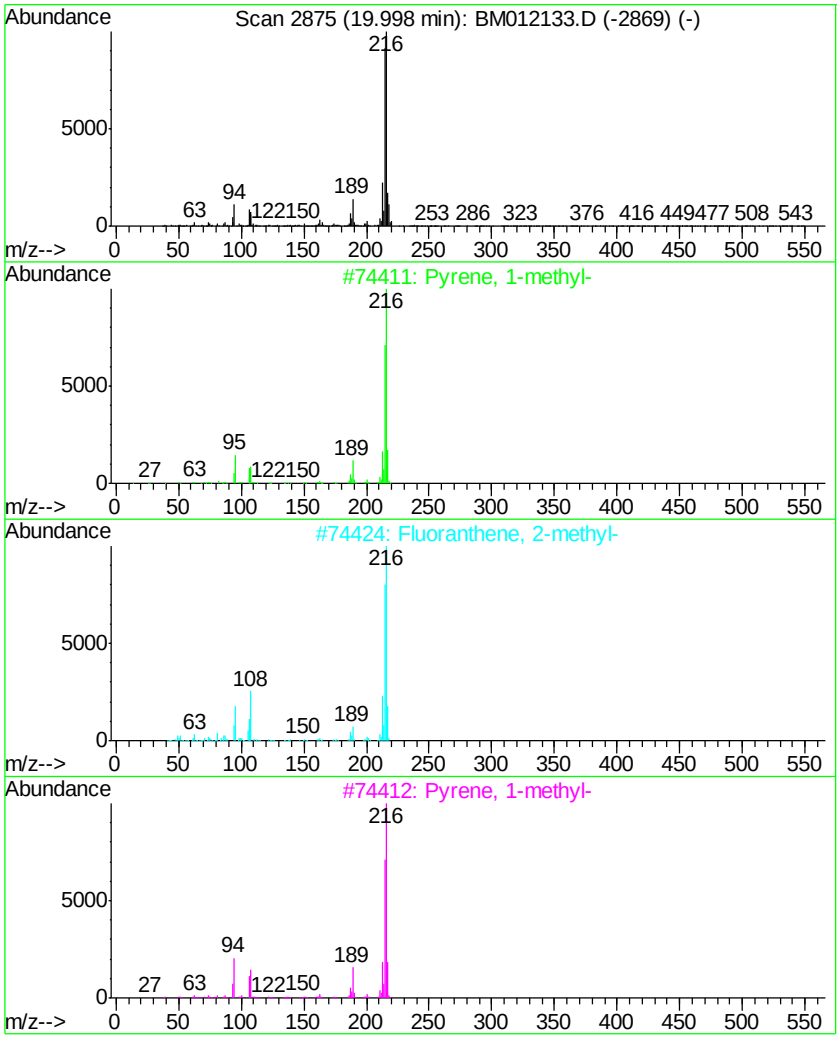
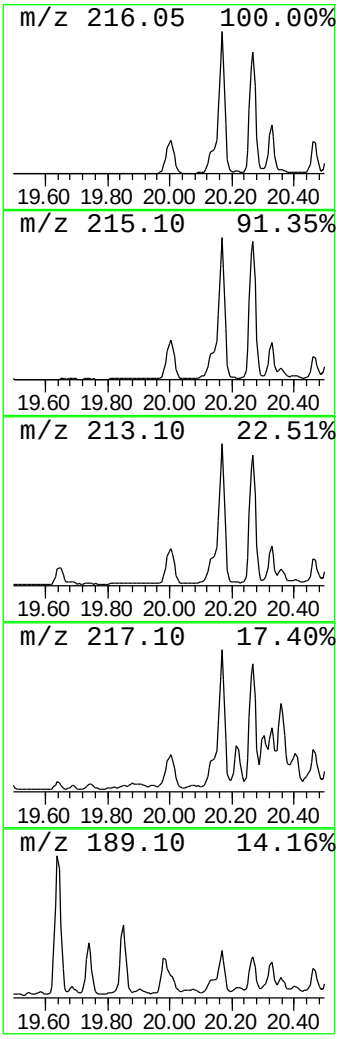
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.70 ng/ul	3114760	Chrysene-d12	21.43

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	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

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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 27 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	5.35 ng/ul	6172050	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
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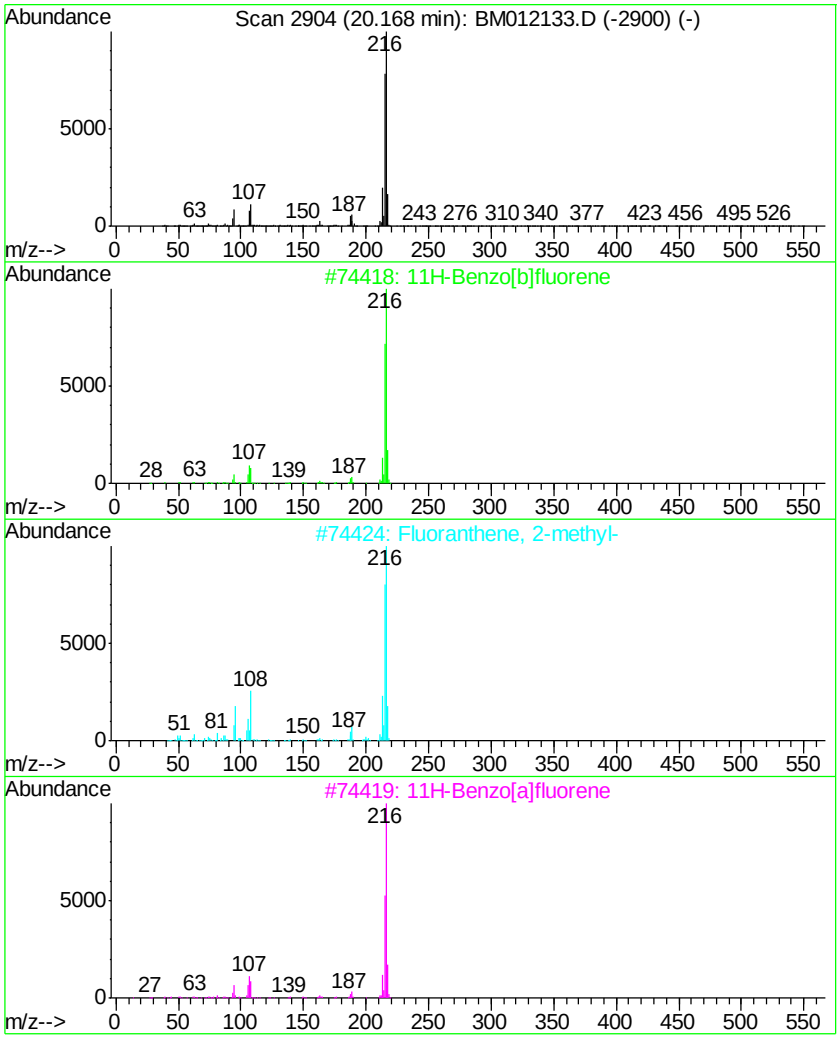

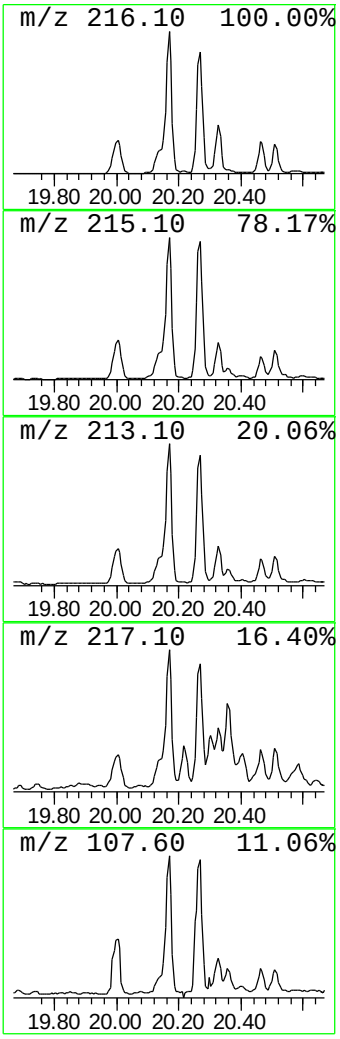

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Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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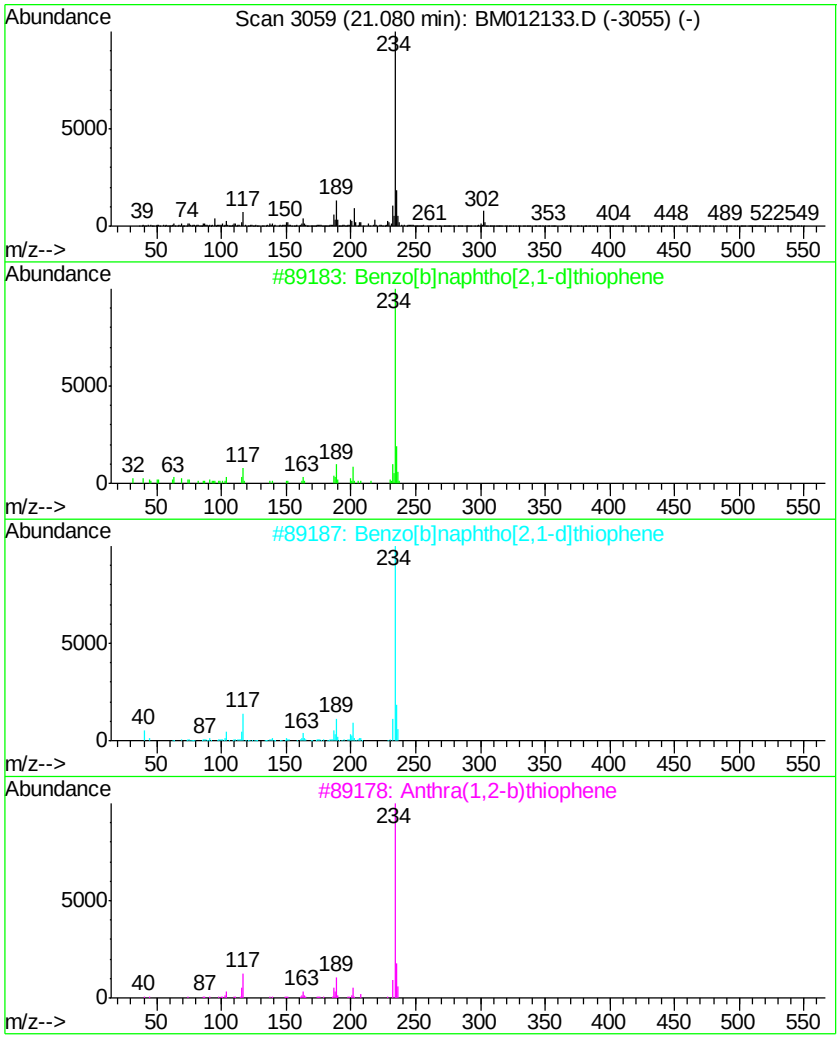
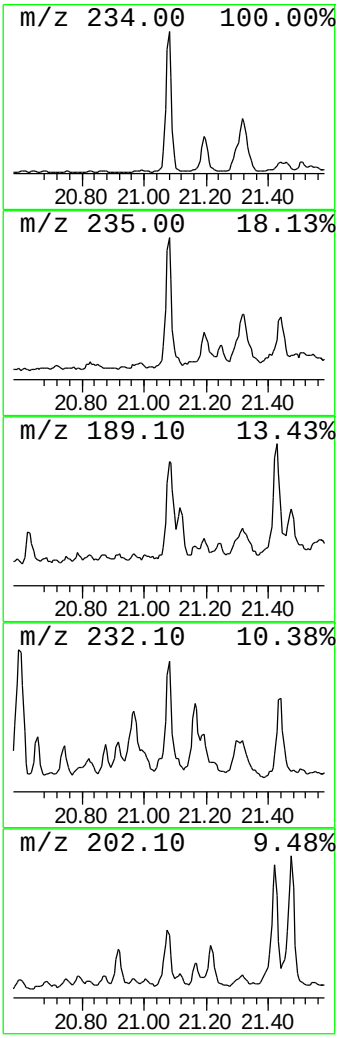
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.36 ng/ul	2722790	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94





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Acq On : 13 Oct 2017 12:42
Operator : SJ/JU
Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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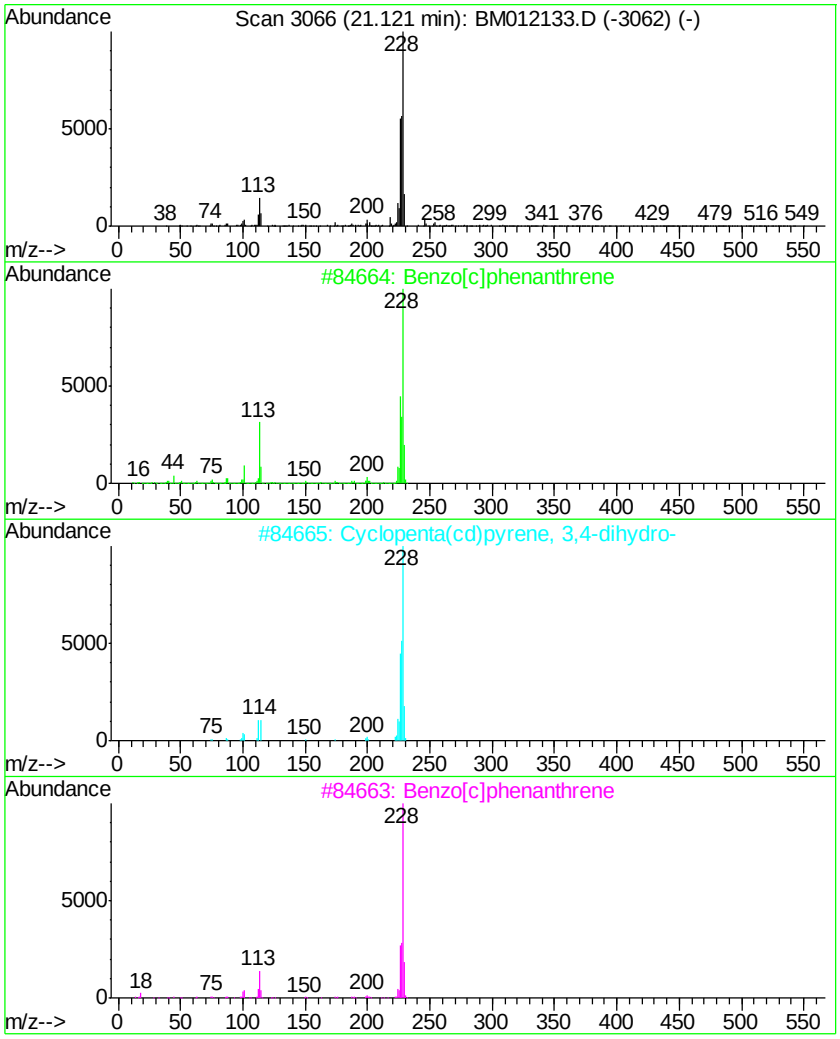
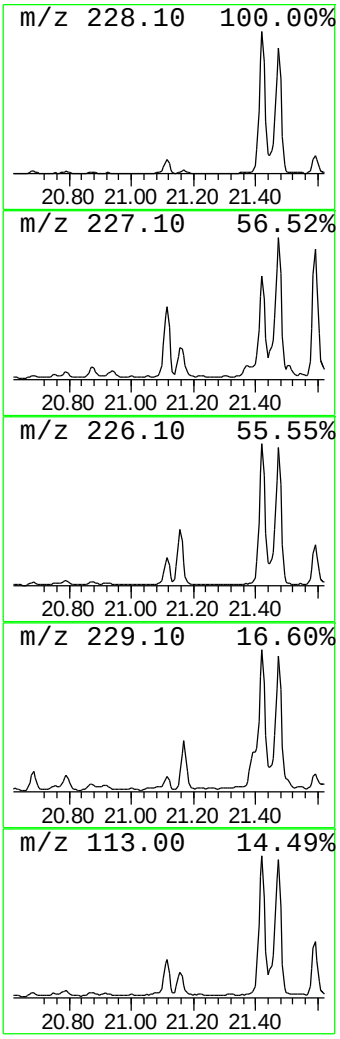
Peak Number 31 Benzo[c]phenanthrene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.50 ng/ul	2883430	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	78
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4	Triphenylene	228	C18H12	000217-59-4	49
5	Chrysene	228	C18H12	000218-01-9	49





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Sample : I5568-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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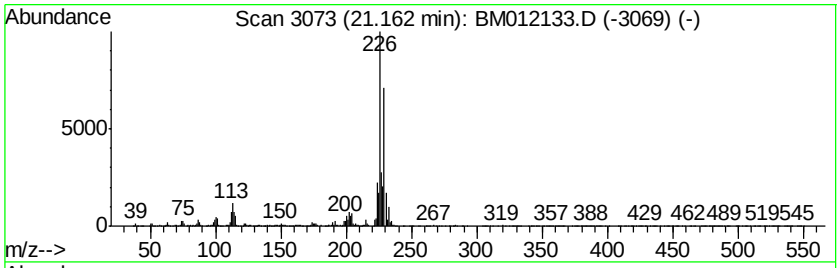
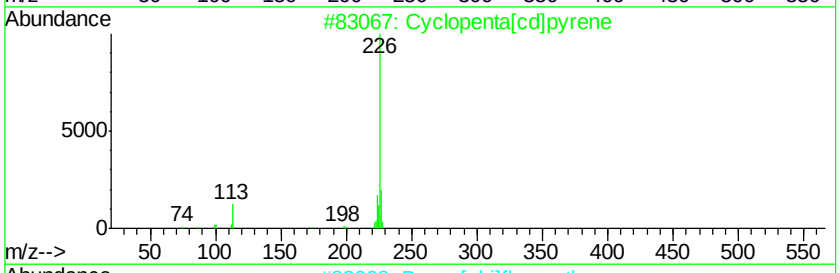
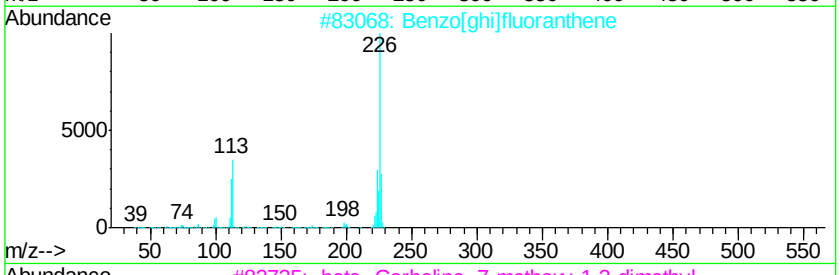
Peak Number 32 unknown-02 Concentration Rank 32

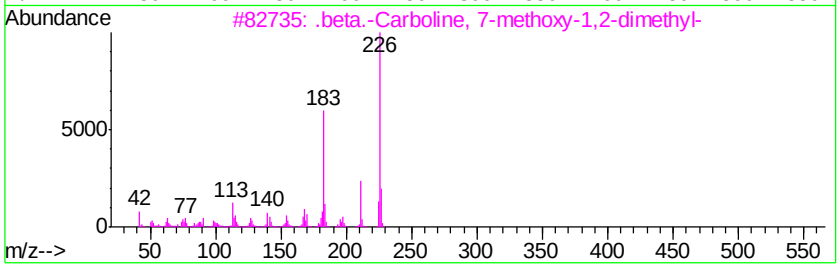
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.53 ng/ul	2919220	Chrysene-d12	21.43

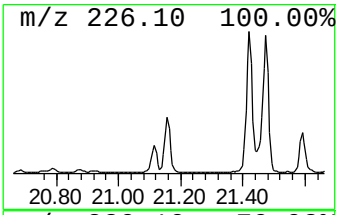
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	Benz[c]acridine	229	C17H11N	000225-51-4	22

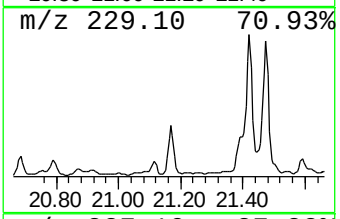


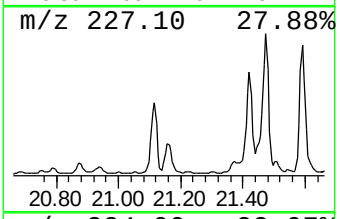


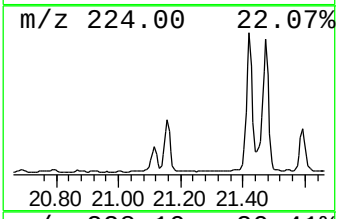


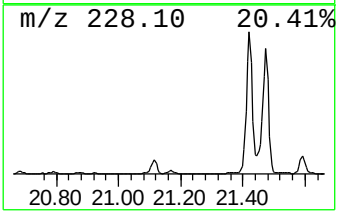












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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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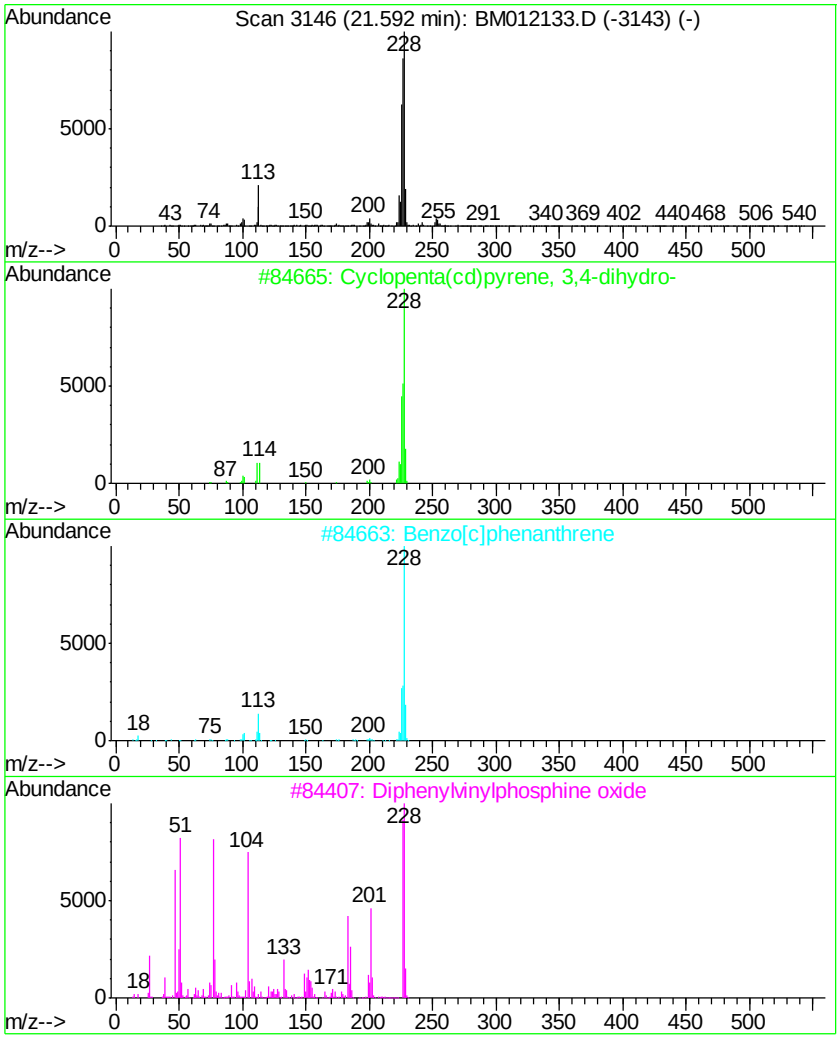
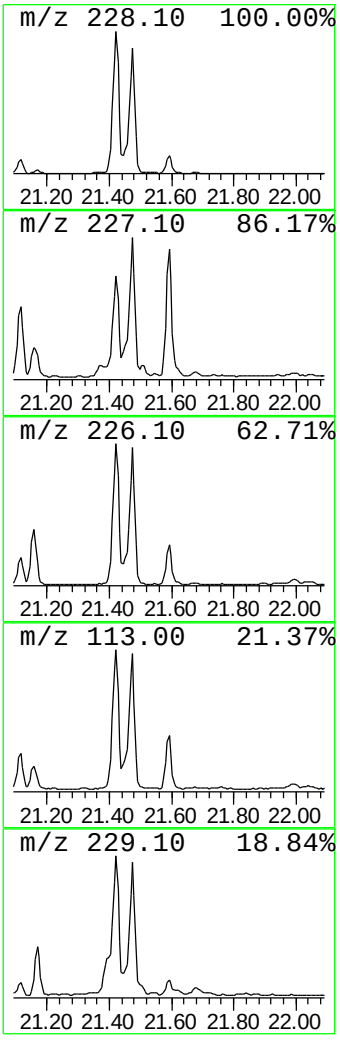
Peak Number 33 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.59 ng/ul	2989740	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	49
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
5	Triphenylene	228	C18H12	000217-59-4	43





Tentatively Identified Compound (LSC) summary

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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
Naphthalene, 1,3-...	13.82	3.6	ng/ul	418617	3	14.50	2301790	20.0
Naphthalene, 1-(2...	14.80	3.4	ng/ul	388104	3	14.50	2301790	20.0
Nordiphenamid	15.71	5.8	ng/ul	661439	3	14.50	2301790	20.0
[1,1'-Biphenyl]-4...	15.84	5.9	ng/ul	676049	3	14.50	2301790	20.0
Anthracene, 9,10-...	16.34	3.4	ng/ul	483901	4	17.25	2880020	20.0
9H-Fluorene, 3-me...	16.55	8.1	ng/ul	1172400	4	17.25	2880020	20.0
Anthracene, 1,2,3...	17.00	8.5	ng/ul	1225350	4	17.25	2880020	20.0
Naphtho[2,1-b]thi...	17.07	12.0	ng/ul	1723970	4	17.25	2880020	20.0
Acridine	17.44	8.6	ng/ul	1238210	4	17.25	2880020	20.0
1H-Indene, 1-(phe...	17.76	3.9	ng/ul	555366	4	17.25	2880020	20.0
unknown-01	17.84	8.3	ng/ul	1194160	4	17.25	2880020	20.0
Phenanthrene, 1-m...	18.12	22.0	ng/ul	3172480	4	17.25	2880020	20.0
Anthracene, 1-met...	18.26	12.6	ng/ul	1806790	4	17.25	2880020	20.0
4H-Cyclopenta[def...	18.33	44.2	ng/ul	6364260	4	17.25	2880020	20.0
Phenanthrene, 4-m...	18.36	10.1	ng/ul	1459650	4	17.25	2880020	20.0
9H-Carbazole, 2-m...	18.47	2.7	ng/ul	391524	4	17.25	2880020	20.0
5,16[1',2']:8,13[...	18.62	14.6	ng/ul	2103700	4	17.25	2880020	20.0
9,10-Anthracenedione	18.68	6.1	ng/ul	880602	4	17.25	2880020	20.0
Phenanthrene, 4,5...	18.87	3.8	ng/ul	551482	4	17.25	2880020	20.0
Phenanthrene, 3,6...	18.92	2.9	ng/ul	420246	4	17.25	2880020	20.0
Phenanthrene, 1,7...	19.04	11.0	ng/ul	1583030	4	17.25	2880020	20.0
Cyclopenta(def)ph...	19.20	5.7	ng/ul	815729	4	17.25	2880020	20.0
Pyrene, 1-methyl-	20.00	2.7	ng/ul	3114760	5	21.43	23072300	20.0
11H-Benzo[b]fluorene	20.17	5.3	ng/ul	6172050	5	21.43	23072300	20.0
Benzo[b]naphtho[2...	21.08	2.4	ng/ul	2722790	5	21.43	23072300	20.0
Benzo[c]phenanthrene	21.12	2.5	ng/ul	2883430	5	21.43	23072300	20.0
unknown-02	21.16	2.5	ng/ul	2919220	5	21.43	23072300	20.0
Cyclopenta(cd)pyr...	21.59	2.6	ng/ul	2989740	5	21.43	23072300	20.0