LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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-BM110417MA.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	7.798	795	801	809	rBV	469224	752660	6.70%	0.871%
2	10.592	1267	1276	1280	rBV	608228	1043762	9.30%	1.207%
3	10.639	1280	1284	1293	rVB	615380	978847	8.72%	1.132%
4	12.257	1552	1559	1565	rBV	414101	645467	5.75%	0.747%
5	12.474	1586	1596	1606	rVB	288530	469744	4.18%	0.543%
6	13.269	1722	1731	1737	rBV	169436	255180	2.27%	0.295%
7	13.469	1759	1765	1776	rVB	68349	136925	1.22%	0.158%
8	13.598	1781	1787	1789	rBV	133922	204391	1.82%	0.236%
9	13.757	1808	1814	1819	rBV	226279	408829	3.64%	0.473%
10	13.810	1819	1823	1827	rVV	175533	310451	2.76%	0.359%
11	13.845	1827	1829	1834	rVB	114883	139909	1.25%	0.162%
12	13.998	1847	1855	1858	rBV	111963	178720	1.59%	0.207%
13	14.133	1872	1878	1881	rBV	137810	223394	1.99%	0.258%
14	14.439	1920	1930	1936	rBV3	891190	1478600	13.17%	1.710%
15	14.504	1936	1941	1949	rVB	741471	1128790	10.05%	1.306%
16	14.592	1949	1956	1960	rBV2	61377	144464	1.29%	0.167%
17	14.839	1991	1998	2006	rVB	899982	1308281	11.65%	1.513%
18	14.915	2006	2011	2018	rBV	88105	119113	1.06%	0.138%
19	15.057	2029	2035	2040	rBV3	72236	133117	1.19%	0.154%
20	15.110	2040	2044	2050	rVB2	77494	112293	1.00%	0.130%
21	15.233	2057	2065	2067	rBV	66998	141891	1.26%	0.164%
22	15.386	2084	2091	2095	rBV	129055	221935	1.98%	0.257%
23	15.433	2095	2099	2103	rVB	165084	218615	1.95%	0.253%
24	15.486	2103	2108	2119	rVB	956268	1462693	13.03%	1.692%
25	15.580	2119	2124	2127	rBV2	68965	113427	1.01%	0.131%
26	15.651	2133	2136	2140	rVB2	112556	149251	1.33%	0.173%
27	15.780	2154	2158	2166	rVB	278542	441539	3.93%	0.511%
28	15.933	2179	2184	2192	rVB	305970	612373	5.45%	0.708%
29	16.021	2192	2199	2204	rVB2	71064	121424	1.08%	0.140%
30	16.492	2268	2279	2284	rBV3	186517	427774	3.81%	0.495%
31	16.539	2284	2287	2293	rVB2	82899	129211	1.15%	0.149%
32	16.721	2309	2318	2322	rBV3	132801	273398	2.43%	0.316%
33	16.762	2322	2325	2328	rVB	96922	113385	1.01%	0.131%
34	16.845	2334	2339	2346	rVB	177490	263408	2.35%	0.305%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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-BM110417MA.M
Title : SVOA CALIBRATION

35	16.915	2346	2351	2358	rVV	131780	263300	2.34%	0.305%
36	17.004	2361	2366	2375	rVB	444481	700361	6.24%	0.810%
37	17.186	2392	2397	2400	rBV2	952115	1420815	12.65%	1.643%
38	17.239	2400	2406	2411	rVV	7553456	11228966	100.00%	12.989%
39	17.286	2411	2414	2416	rVV2	285185	391587	3.49%	0.453%
40	17.321	2416	2420	2425	rVV	1946689	2578189	22.96%	2.982%
41	17.592	2455	2466	2478	rBV	444964	838985	7.47%	0.970%
42	17.704	2478	2485	2492	rVV2	146307	255492	2.28%	0.296%
43	17.768	2492	2496	2504	rVB7	67857	141724	1.26%	0.164%
44	18.062	2536	2546	2550	rBV	591220	916776	8.16%	1.060%
45	18.109	2550	2554	2560	rVB	856181	1153119	10.27%	1.334%
46	18.192	2561	2568	2573	rBV	375925	557386	4.96%	0.645%
47	18.256	2573	2579	2583	rBV3	808229	1462045	13.02%	1.691%
48	18.292	2583	2585	2592	rVB	406881	474275	4.22%	0.549%
49	18.562	2626	2631	2635	rVB	514585	679777	6.05%	0.786%
50	18.809	2665	2673	2677	rBV2	149855	258187	2.30%	0.299%
51	18.856	2678	2681	2684	rVV	94479	123812	1.10%	0.143%
52	18.898	2684	2688	2692	rVB	98666	126186	1.12%	0.146%
53	18.980	2696	2702	2708	rVV	214674	441129	3.93%	0.510%
54	19.051	2708	2714	2715	rVV2	165693	308677	2.75%	0.357%
55	19.074	2715	2718	2722	rVV	222398	299239	2.66%	0.346%
56	19.127	2722	2727	2734	rVB4	136508	287180	2.56%	0.332%
57	19.250	2741	2748	2754	rBV	6751878	8882219	79.10%	10.274%
58	19.303	2754	2757	2761	rVV2	78392	113988	1.02%	0.132%
59	19.345	2761	2764	2768	rVV2	99271	130097	1.16%	0.150%
60	19.492	2784	2789	2798	rVV	220761	433017	3.86%	0.501%
61	19.580	2798	2804	2806	rVV3	1163739	1853322	16.50%	2.144%
62	19.615	2806	2810	2817	rVV	5085906	7064113	62.91%	8.171%
63	19.680	2817	2821	2827	rVB2	266078	429318	3.82%	0.497%
64	19.786	2835	2839	2845	rVB	276404	379179	3.38%	0.439%
65	19.927	2858	2863	2865	rBV	253956	431640	3.84%	0.499%
66	20.021	2876	2879	2882	rBV	226255	248606	2.21%	0.288%
67	20.068	2882	2887	2888	rVV2	161135	232010	2.07%	0.268%
68	20.103	2889	2893	2897	rVB2	549033	770037	6.86%	0.891%
69	20.203	2906	2910	2913	rBV	346464	423374	3.77%	0.490%
70	20.256	2913	2919	2924	rVB2	351686	709888	6.32%	0.821%
71	20.397	2940	2943	2947	rBV	182437	238071	2.12%	0.275%

LSC Area Percent Report

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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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-BM110417MA.M
Title : SVOA CALIBRATION

72	20.445	2948	2951	2955	rVV2	200728	272217	2.42%	0.315%
73	20.856	3017	3021	3026	rBV	208031	279602	2.49%	0.323%
74	21.015	3045	3048	3051	rBV	219881	252210	2.25%	0.292%
75	21.050	3051	3054	3057	rVV	347292	400901	3.57%	0.464%
76	21.097	3058	3062	3066	rVV2	338531	530466	4.72%	0.614%
77	21.150	3068	3071	3077	rVB	215425	287065	2.56%	0.332%
78	21.356	3101	3106	3111	rBV2	2942078	5151164	45.87%	5.958%
79	21.403	3111	3114	3123	rVB	2080697	2793005	24.87%	3.231%
80	21.521	3131	3134	3141	rVB	452190	650241	5.79%	0.752%
81	21.686	3158	3162	3167	rBV2	249020	378493	3.37%	0.438%
82	21.927	3200	3203	3207	rVB	279429	330003	2.94%	0.382%
83	22.968	3374	3380	3385	rBV	1489049	3503593	31.20%	4.053%
84	23.138	3406	3409	3415	rVB	344504	508156	4.53%	0.588%
85	23.456	3458	3463	3468	rVB	837565	1412234	12.58%	1.634%
86	23.556	3474	3480	3487	rVB	1593836	2903363	25.86%	3.358%
87	23.656	3491	3497	3501	rVV	886635	1770728	15.77%	2.048%
88	23.703	3502	3505	3514	rVB	472144	795802	7.09%	0.921%
89	25.974	3884	3891	3900	rVB	765230	2122514	18.90%	2.455%

Sum of corrected areas: 86451104

LSC Report - Integrated Chromatogram

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Operator : SJ/JU
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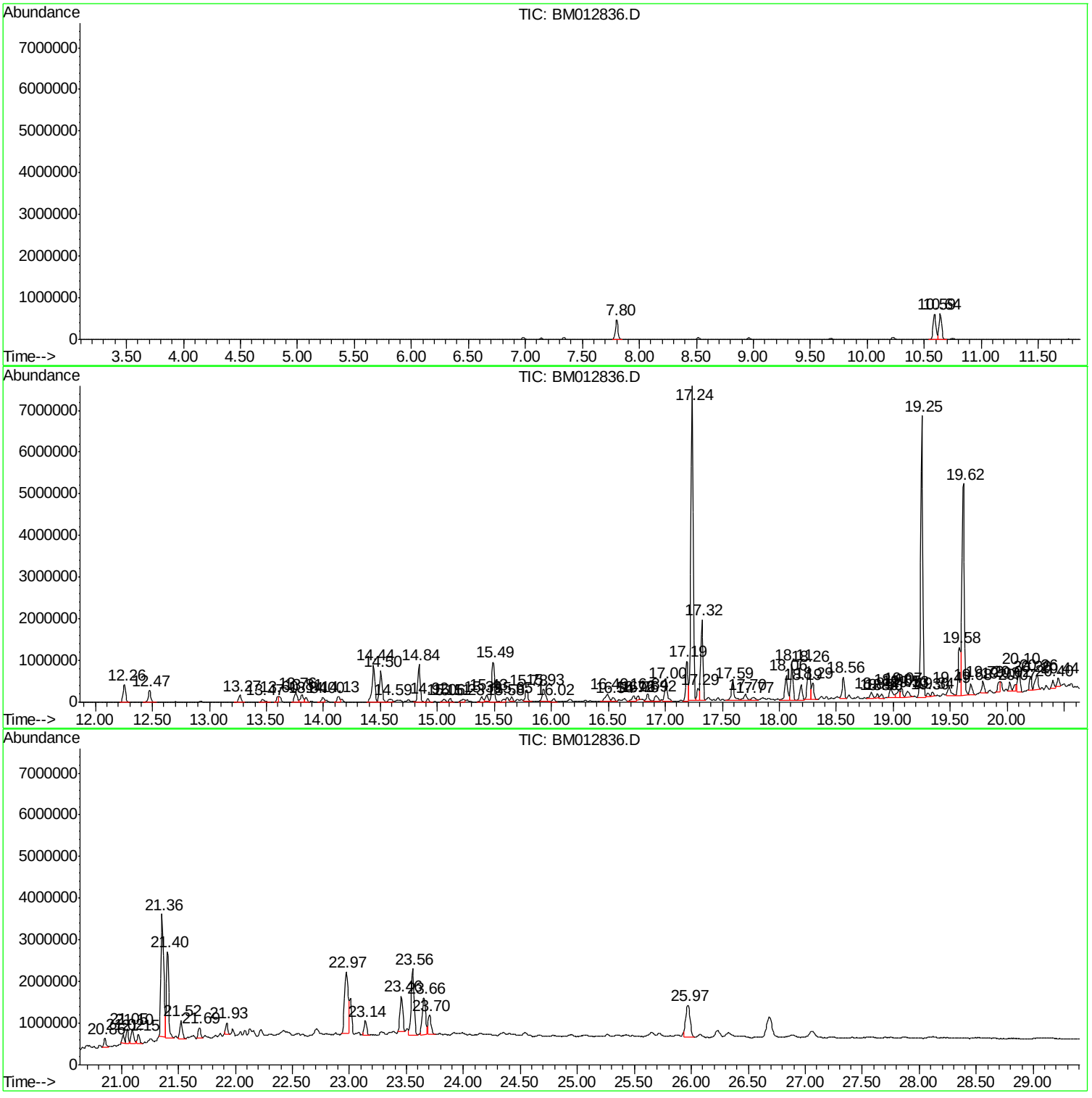
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012836.D
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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

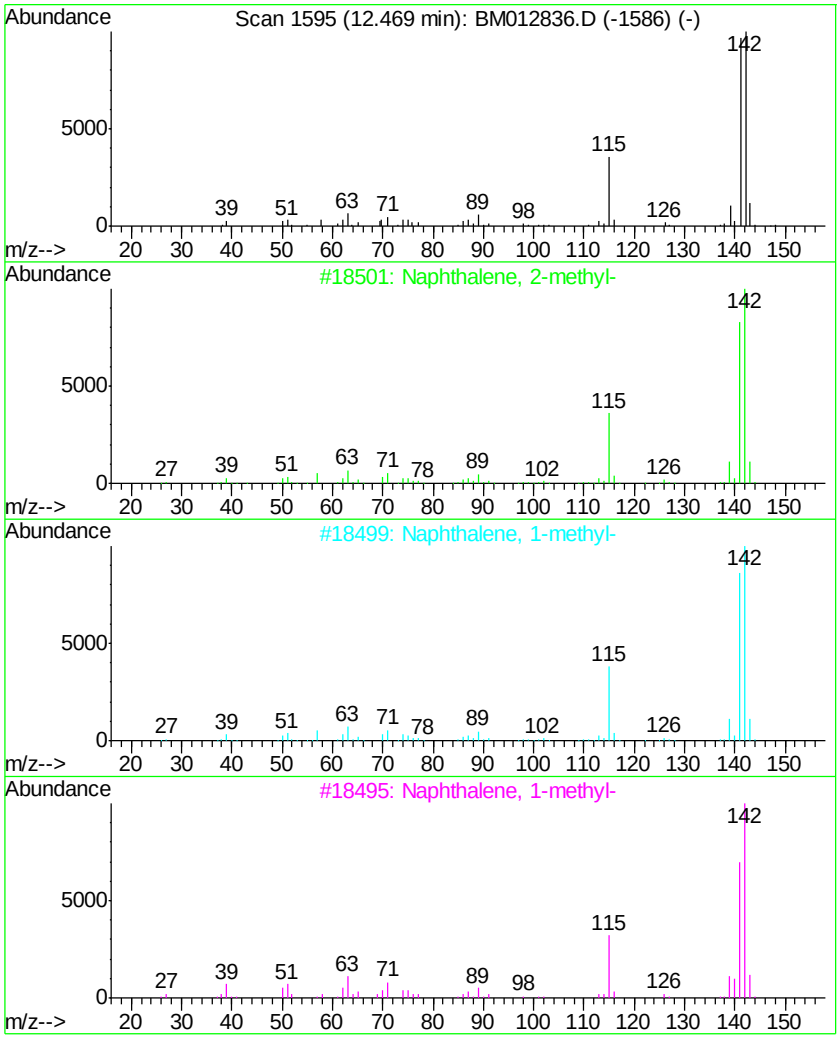
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

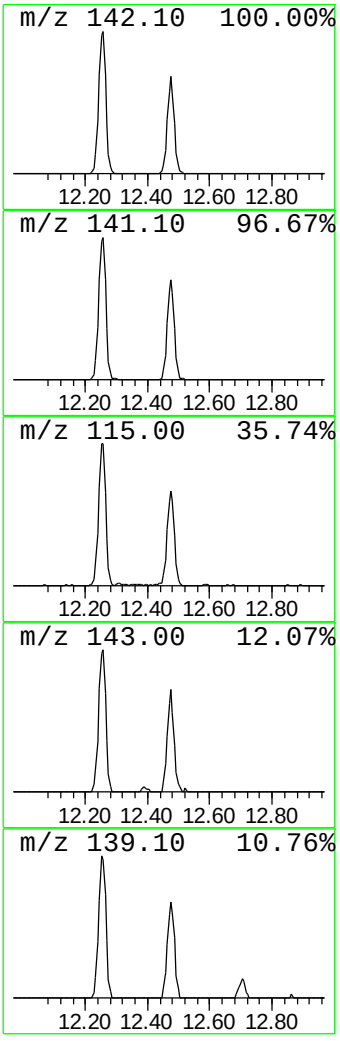
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	9.00 ng/ul	469744	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

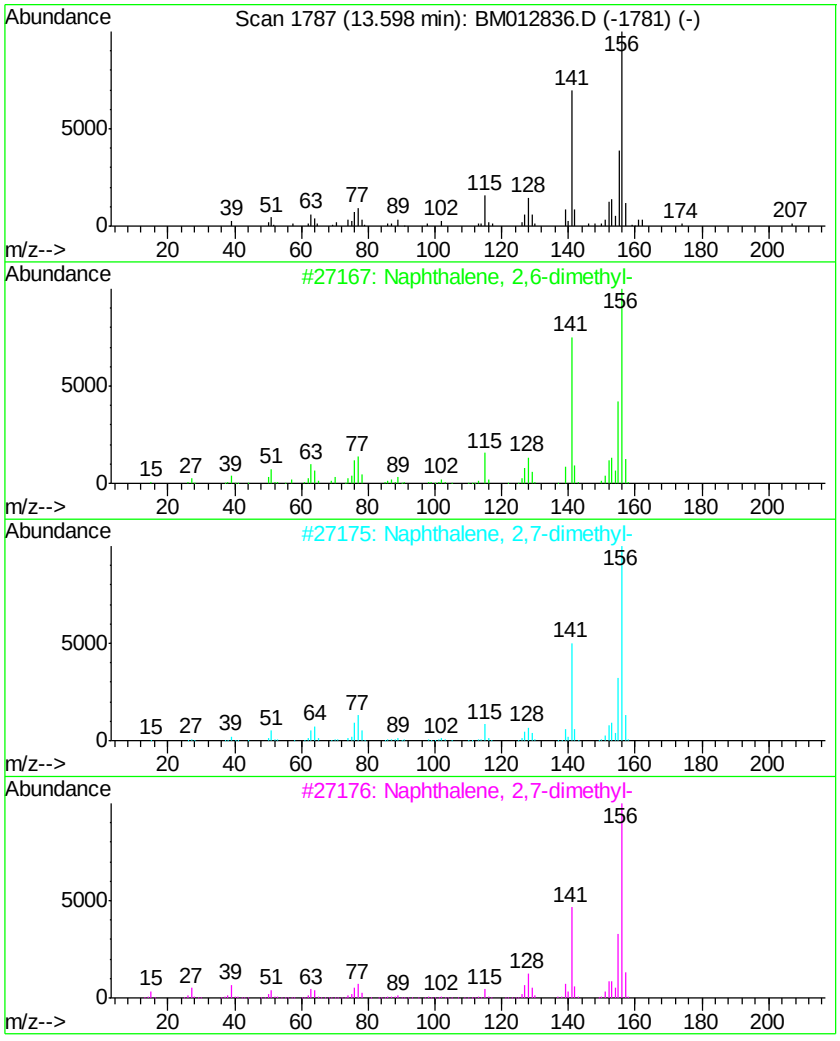
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

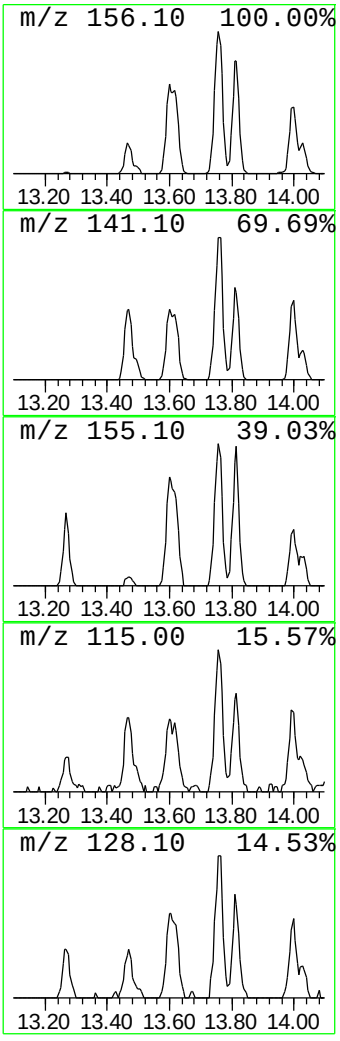
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.76 ng/ul	204391	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Data File : BM012836.D
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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

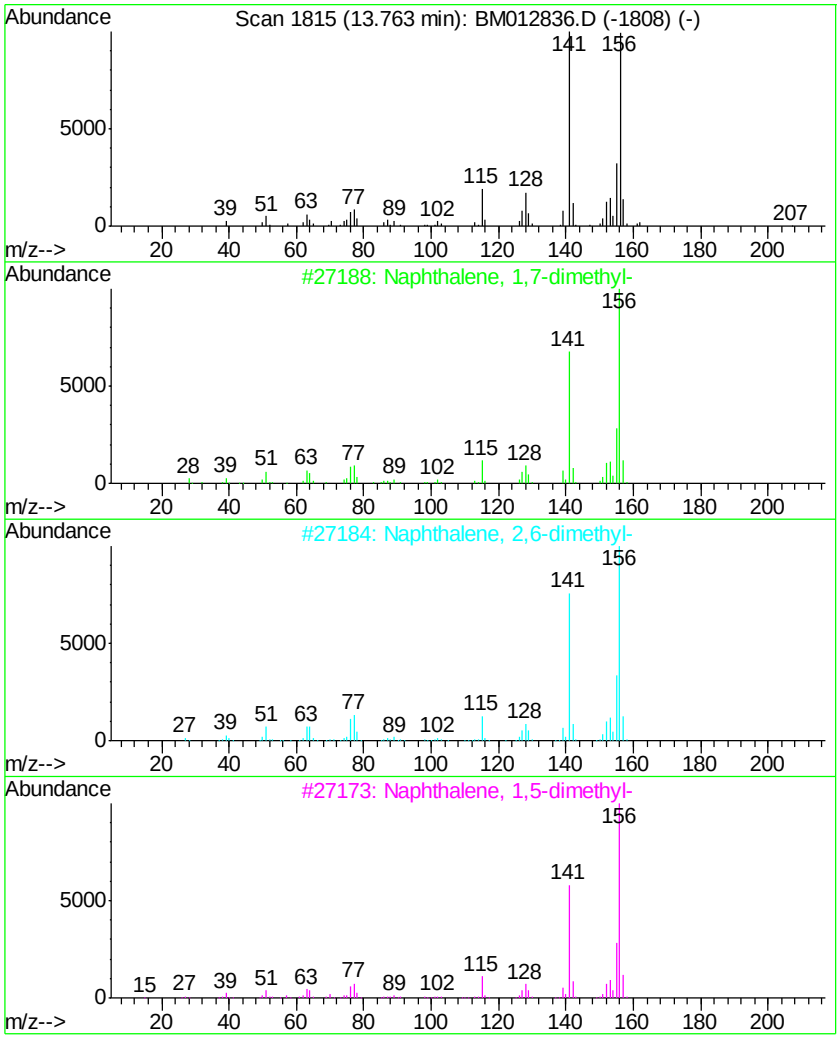
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

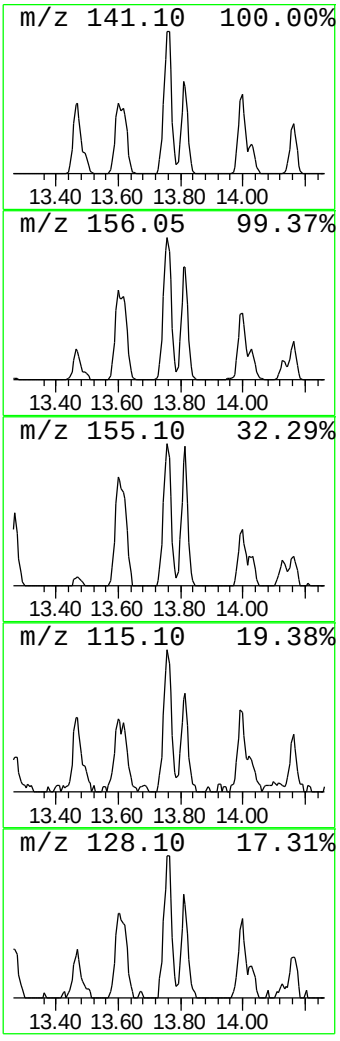
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	5.53 ng/ul	408829	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
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Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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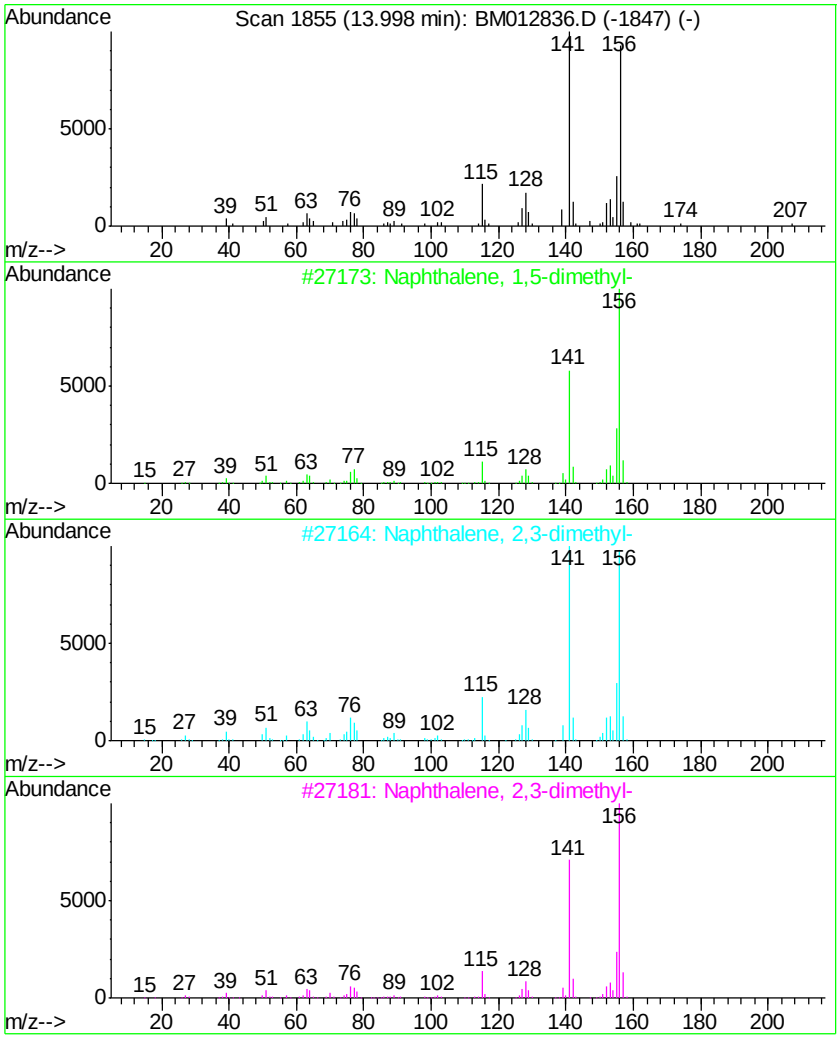
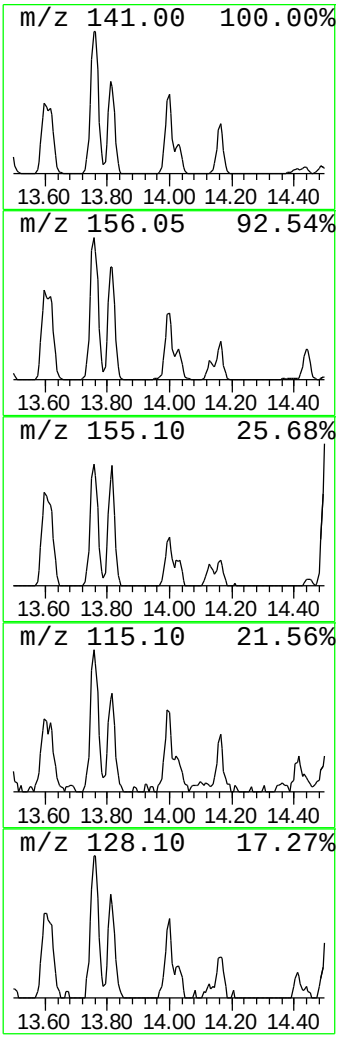
Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.42 ng/ul	178720	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

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Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

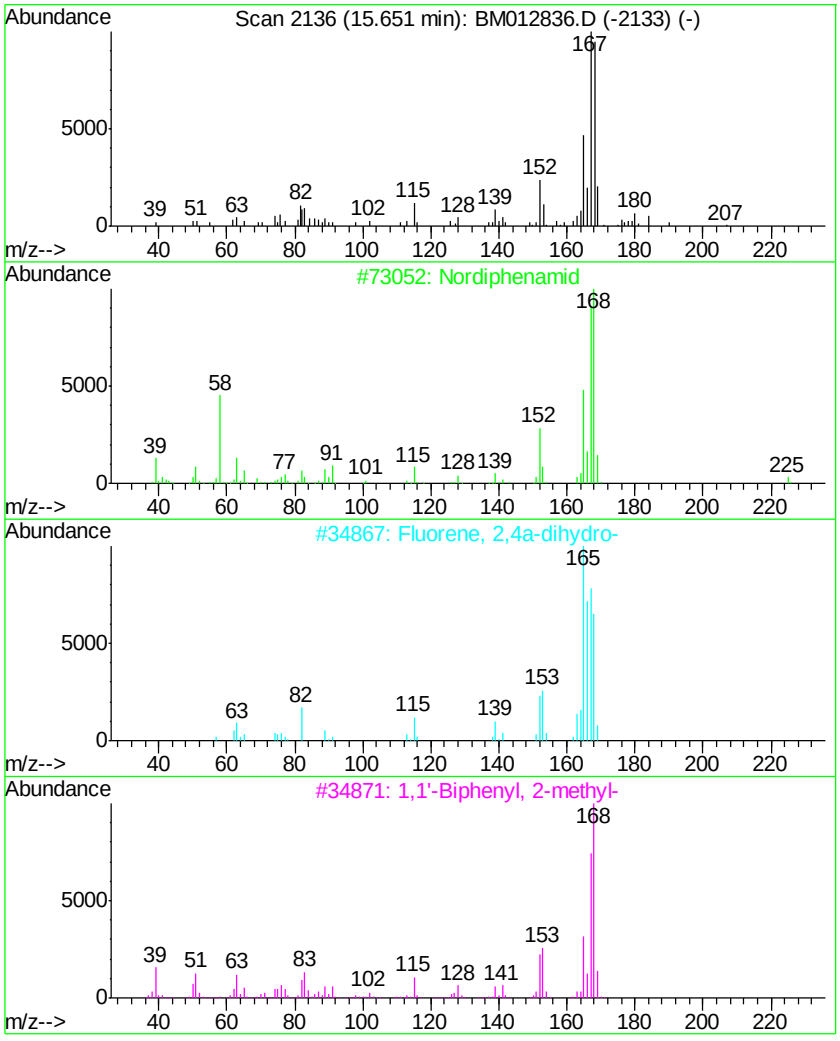
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

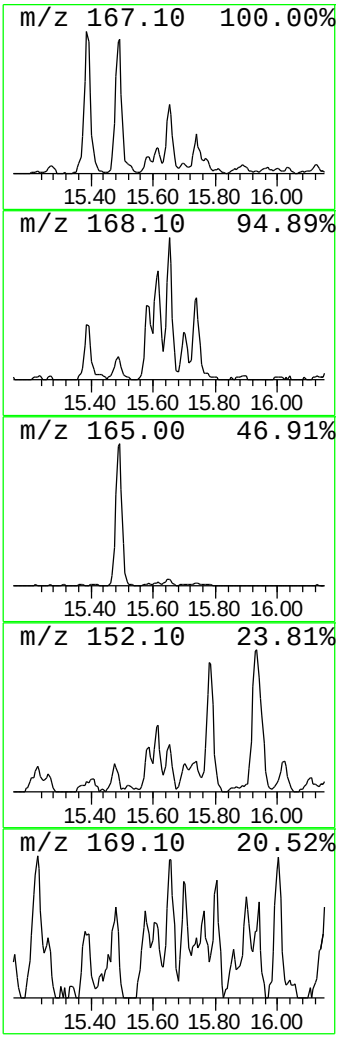
****

Peak Number 5 Nordiphenamid Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.02 ng/ul	149251	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	62
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Diphenylmethane	168	C13H12	000101-81-5	58
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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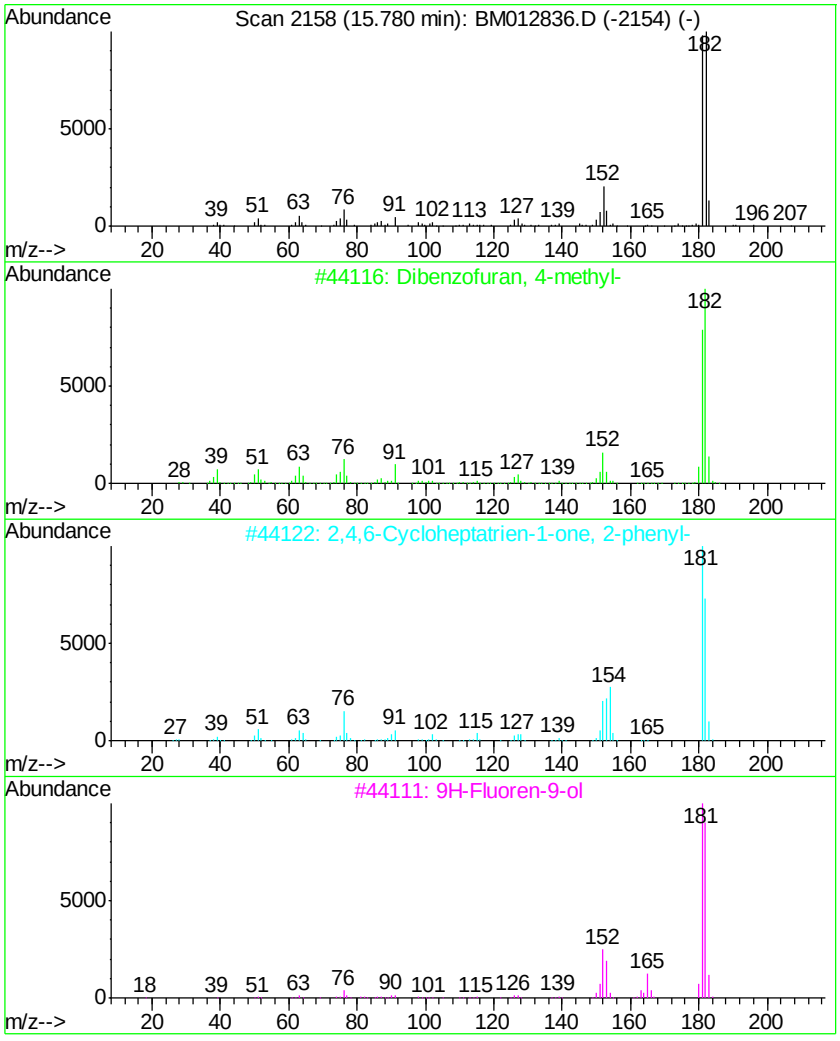
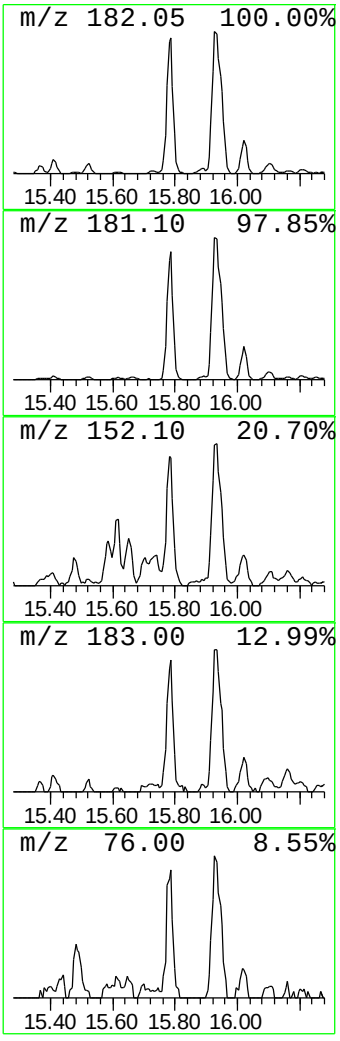
Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	5.97 ng/ul	441539	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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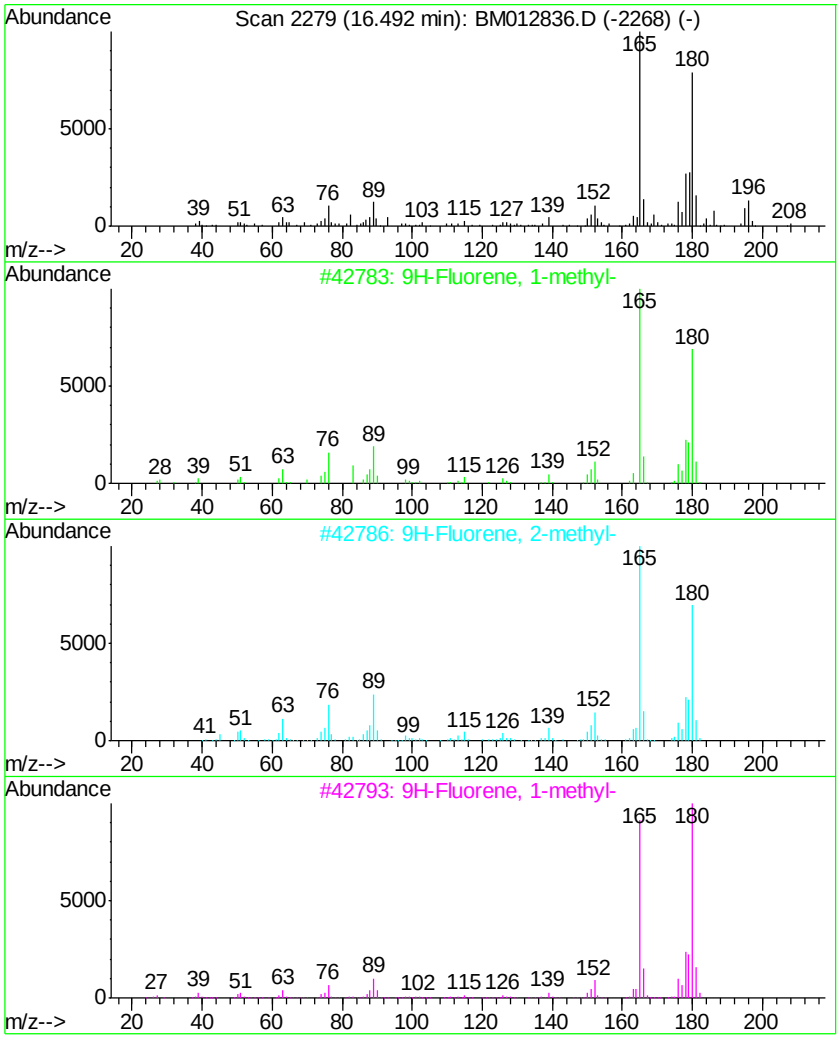
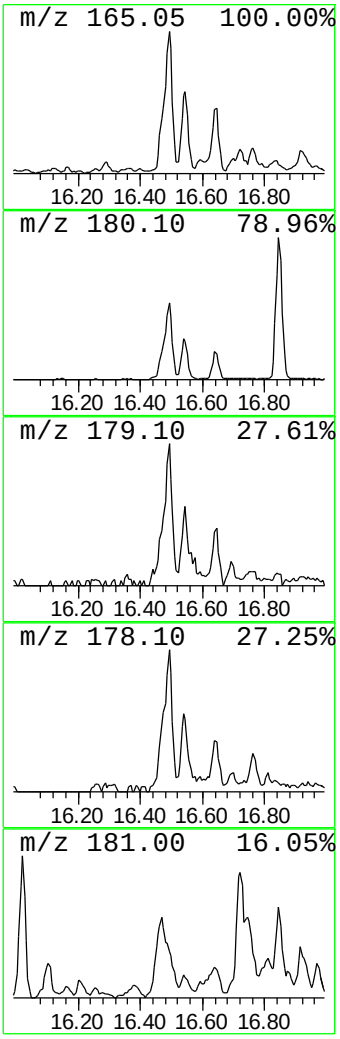
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	6.02 ng/ul	427774	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95





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Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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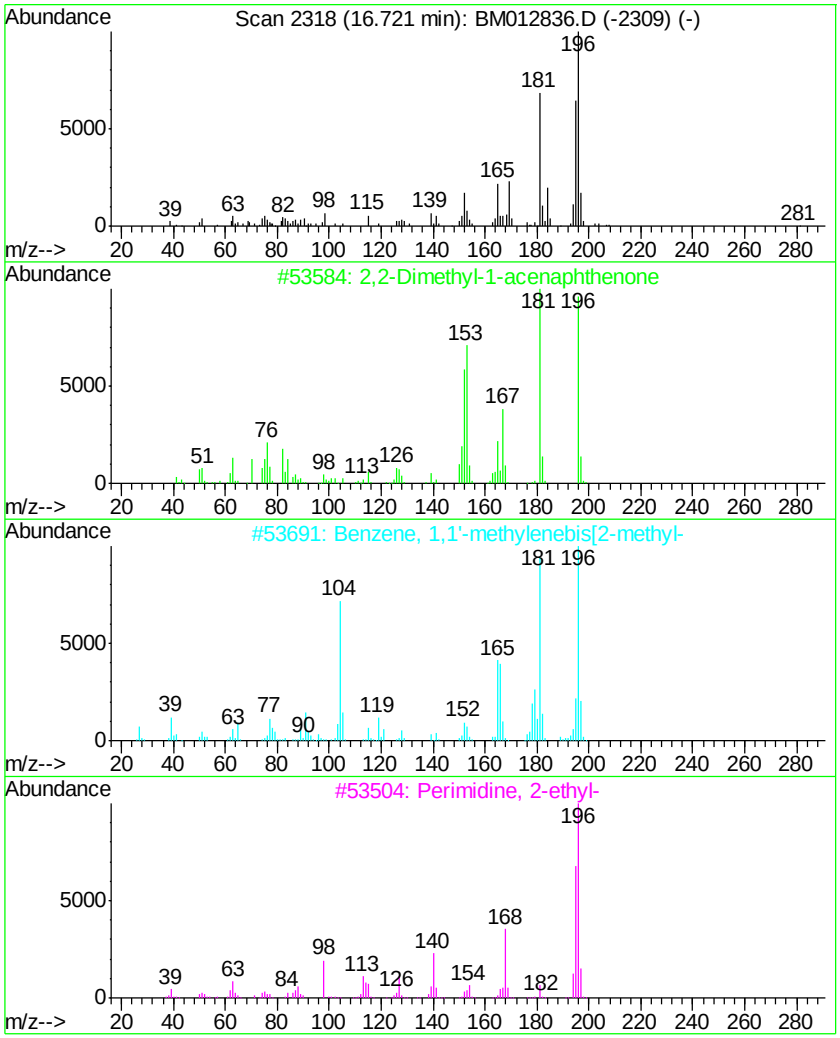
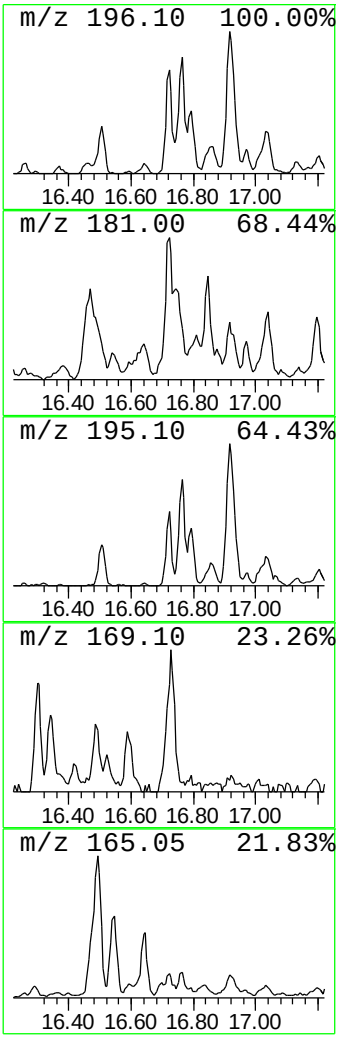
Peak Number 9 2,2-Dimethyl-1-acenaphthenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.85 ng/ul	273398	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Benzene, 1,1'-methylenebis[2-met...	196	C15H16	001634-74-8	50
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49
4	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	47
5	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	47





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Misc :
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Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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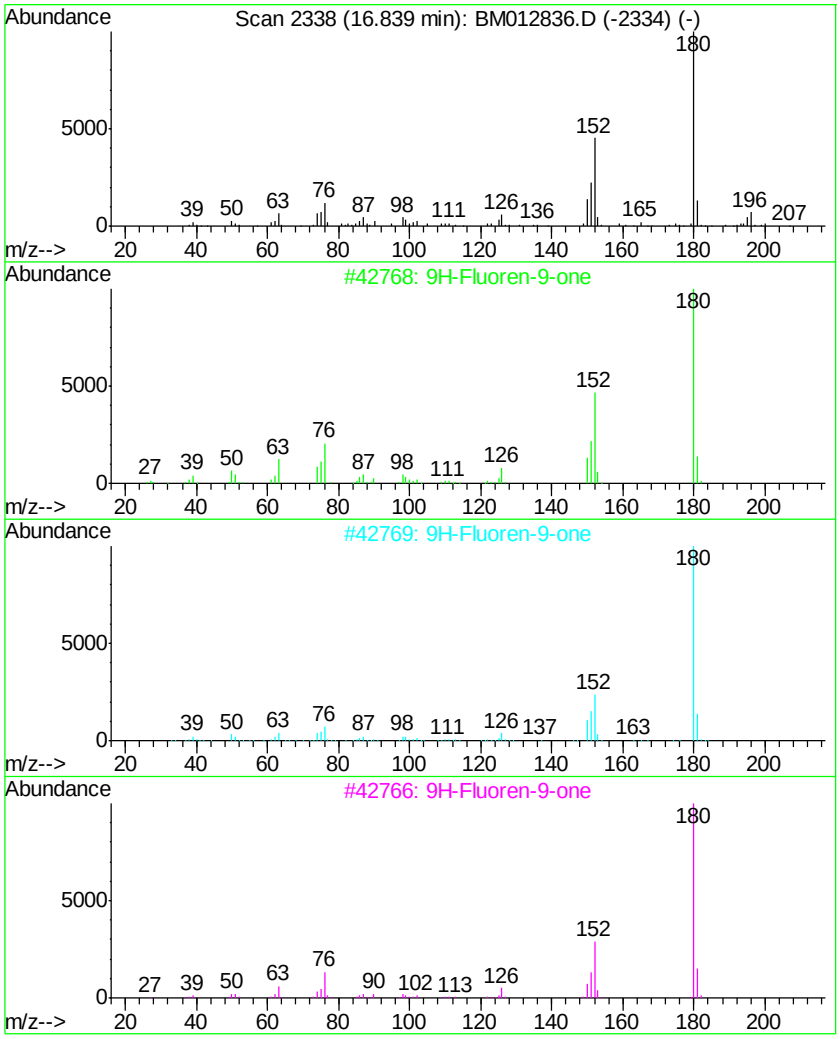
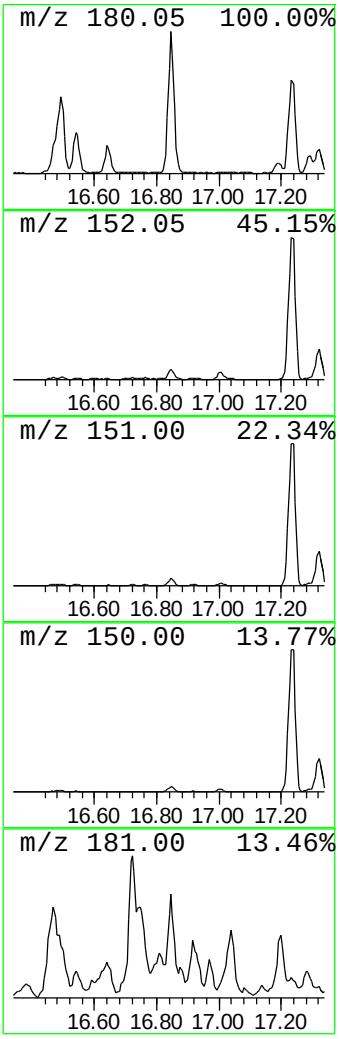
Peak Number 10 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.71 ng/ul	263408	Phenanthrene-d10	17.19

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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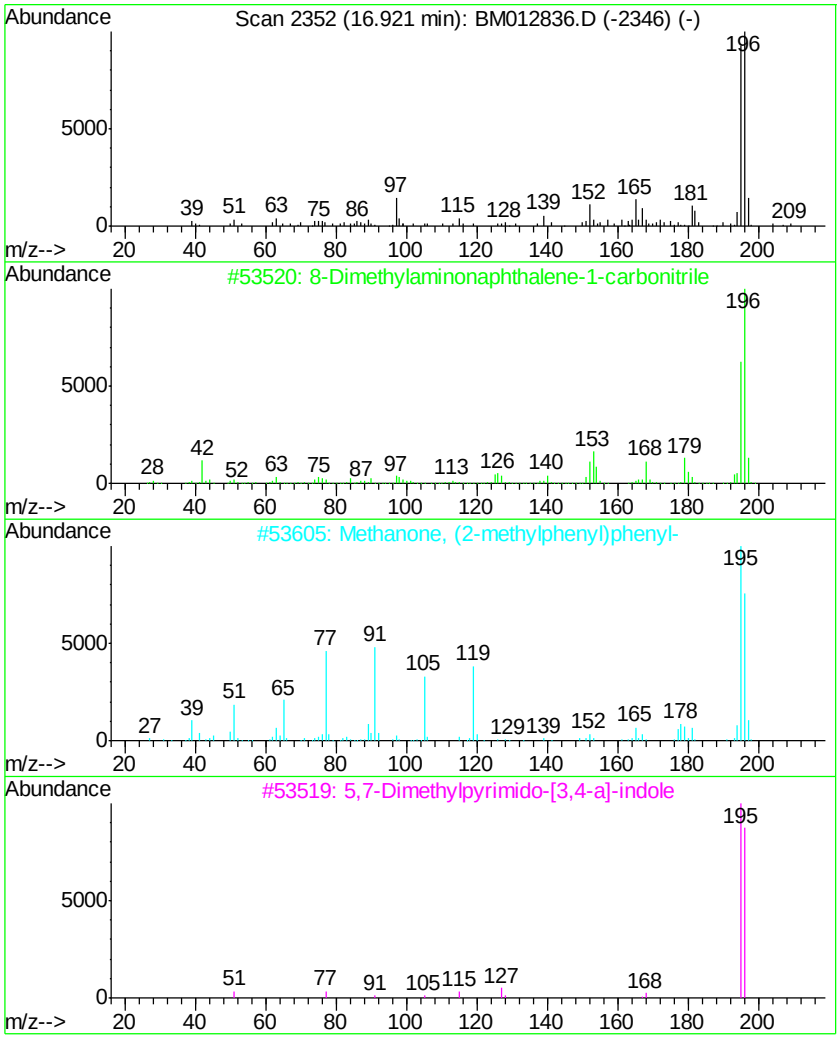
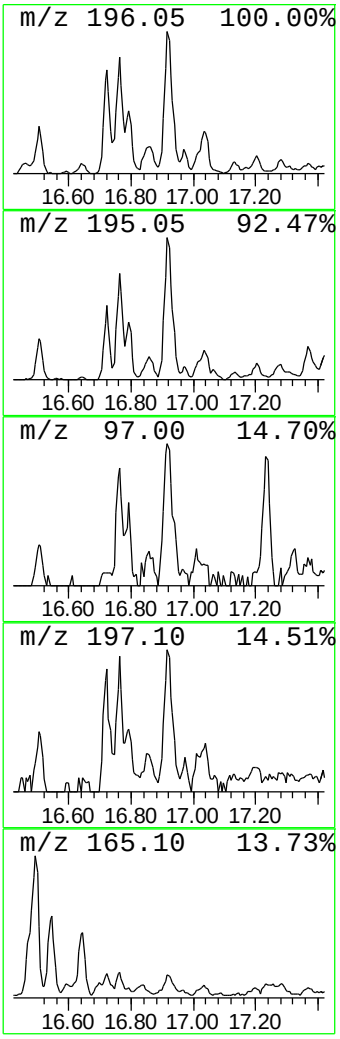
Peak Number 11 8-Dimethylaminonaphthalene-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	3.71 ng/ul	263300	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	64
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
5	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	50





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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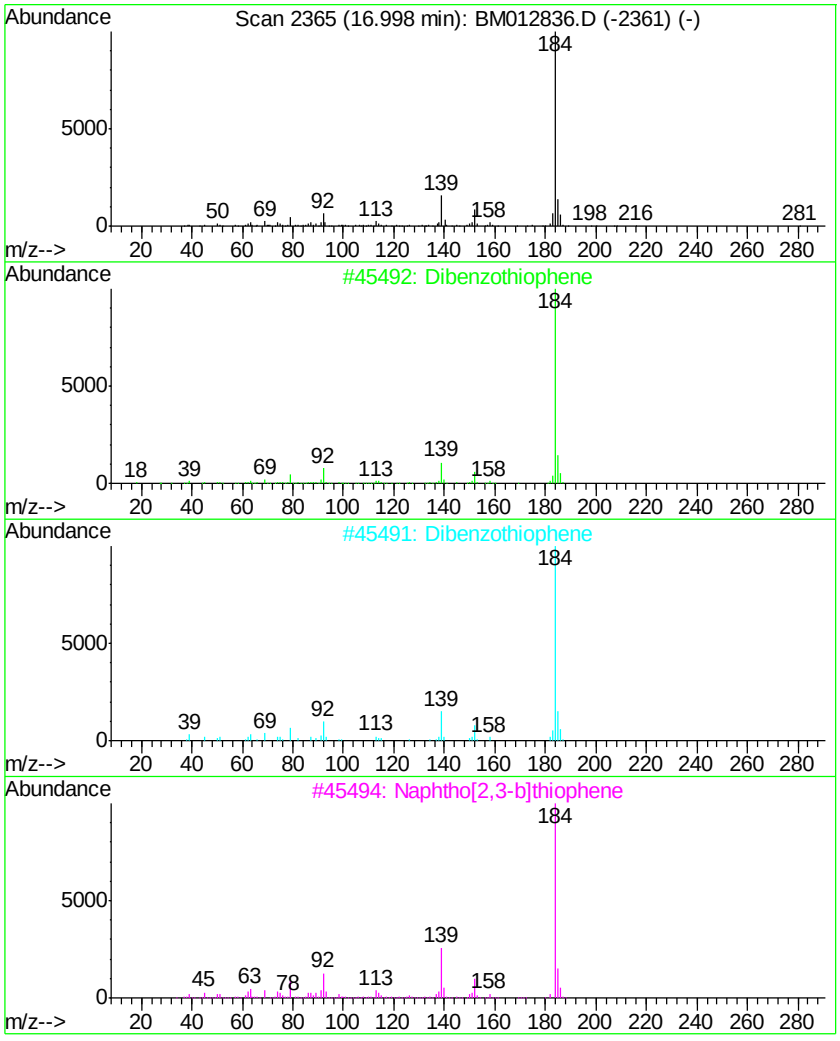
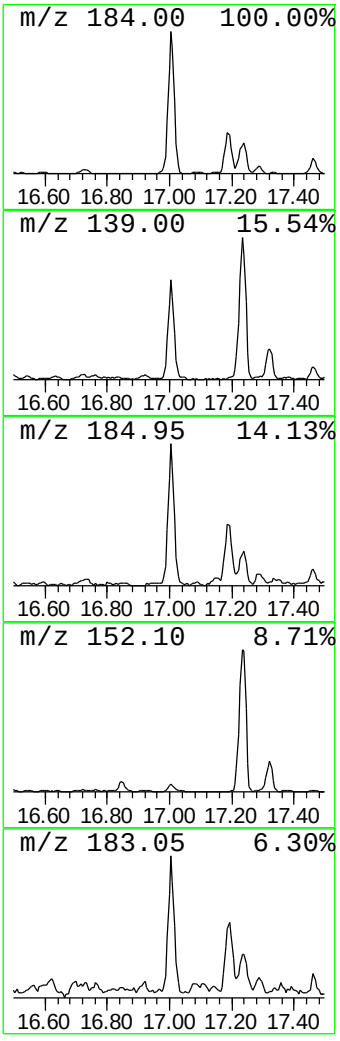
Peak Number 12 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	9.86 ng/ul	700361	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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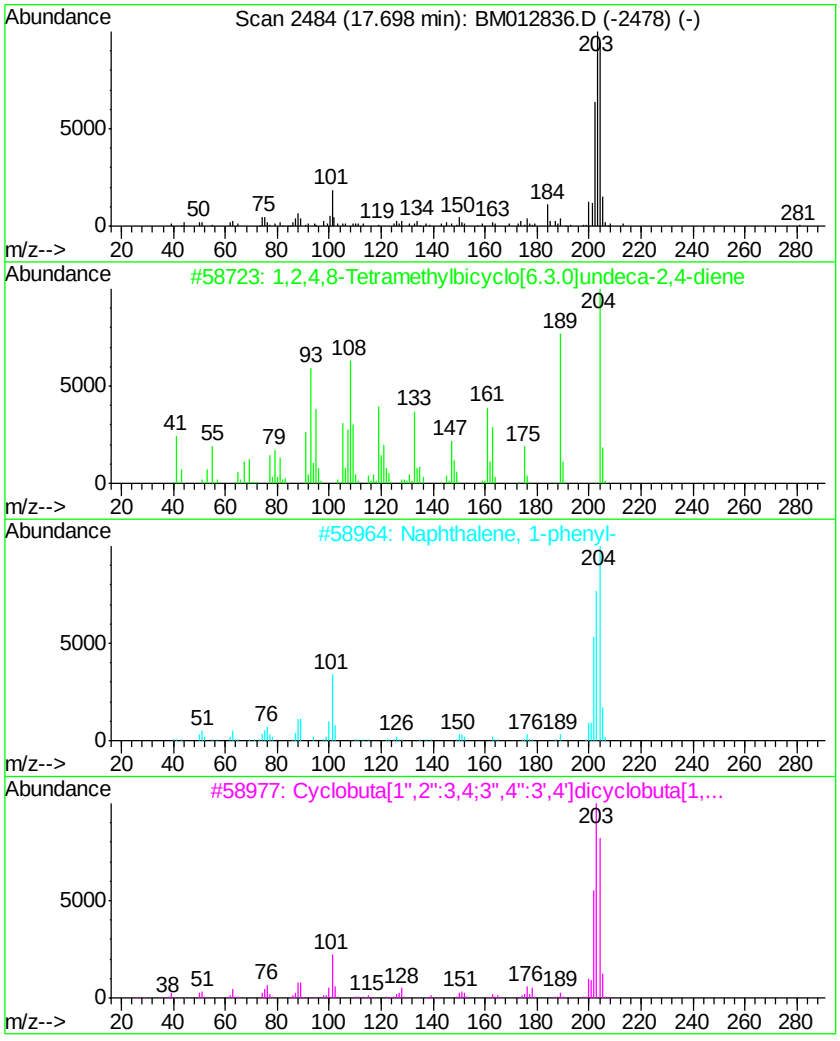
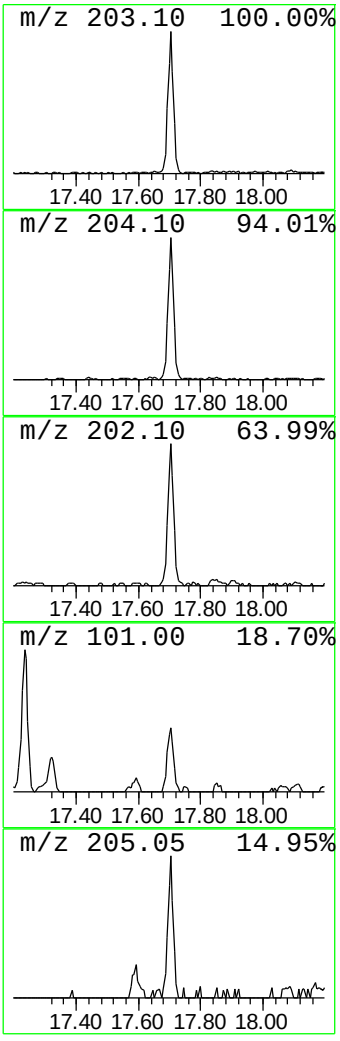
Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	3.60 ng/ul	255492	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	78
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	76





Library Search Compound Report

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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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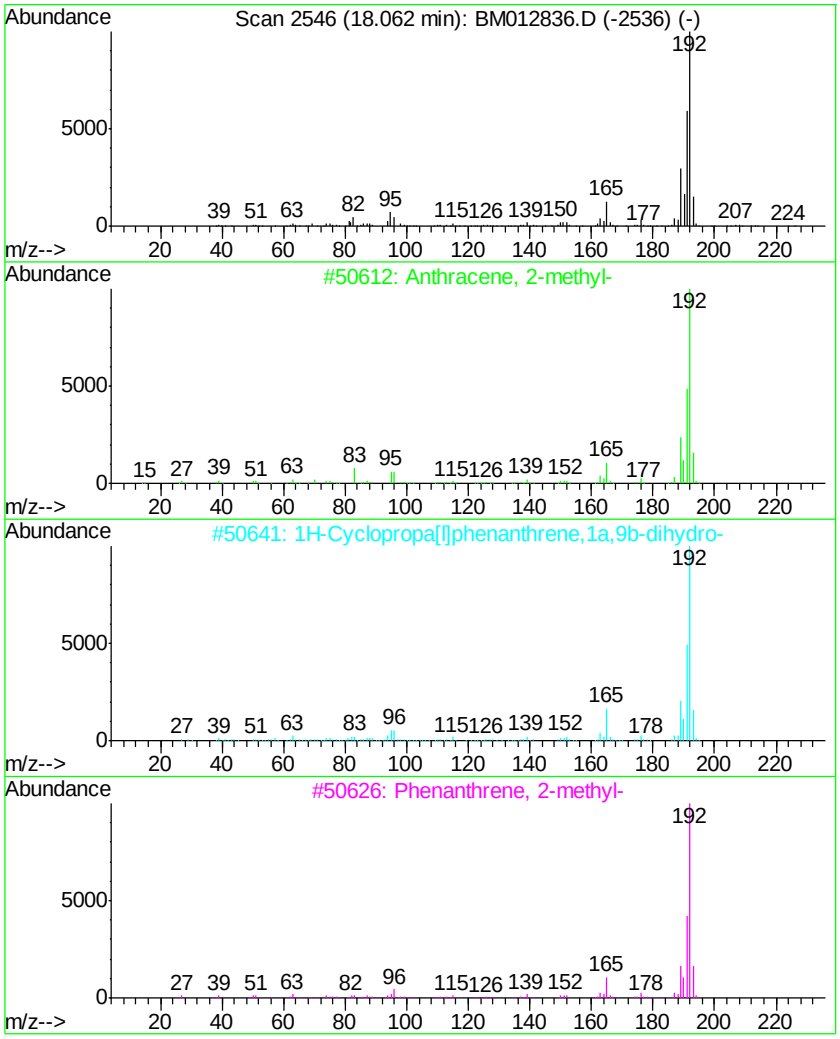
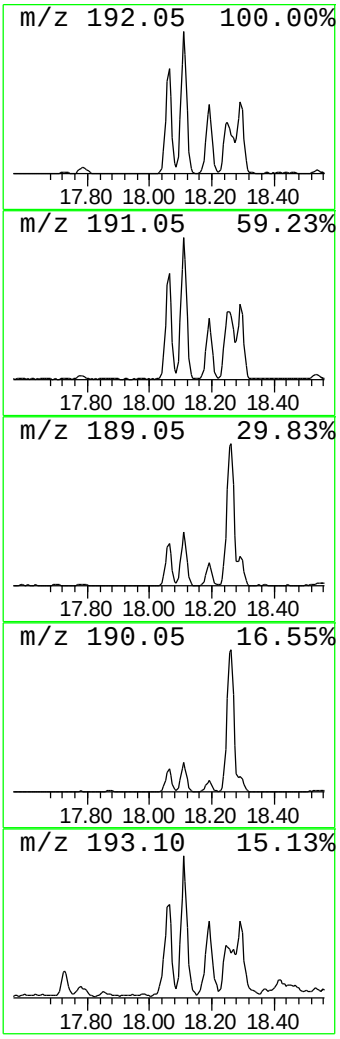
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	12.90 ng/ul	916776	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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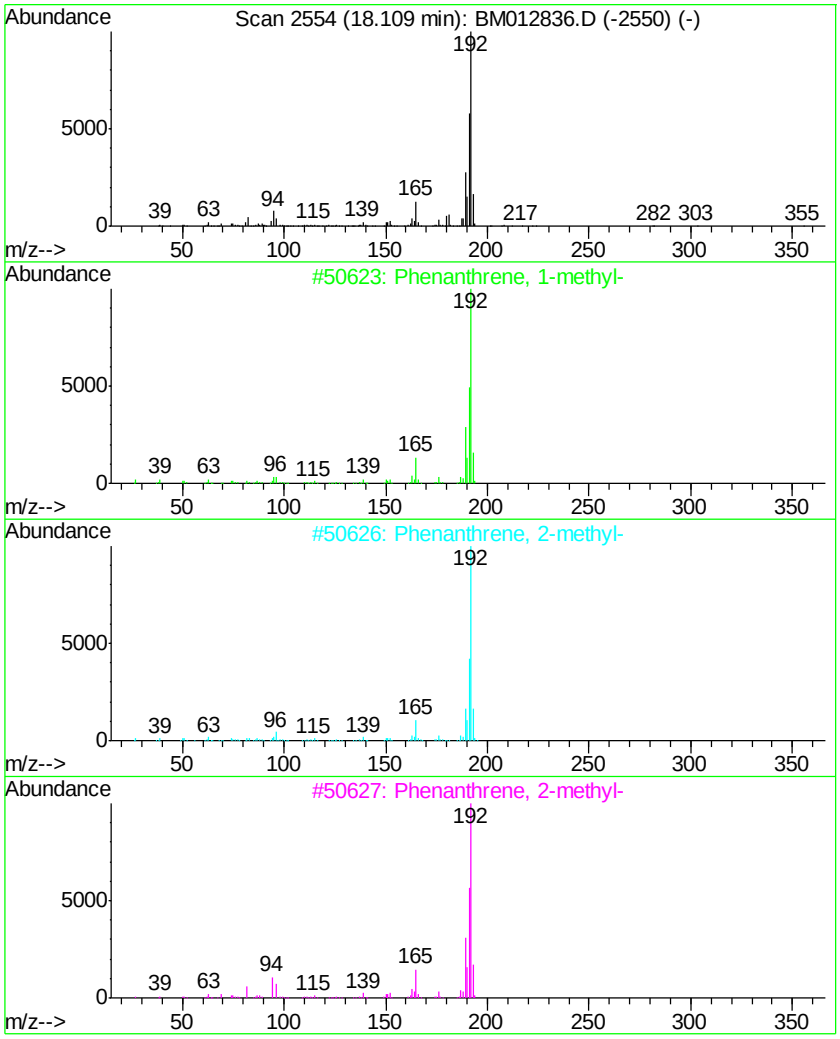
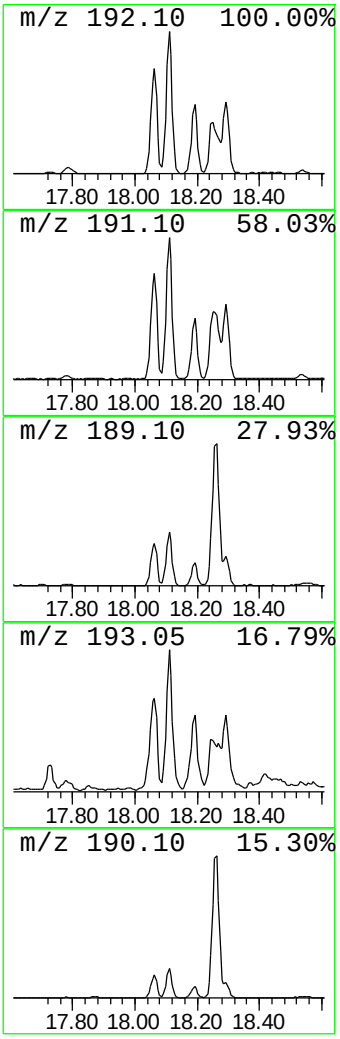
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	16.23 ng/ul	1153120	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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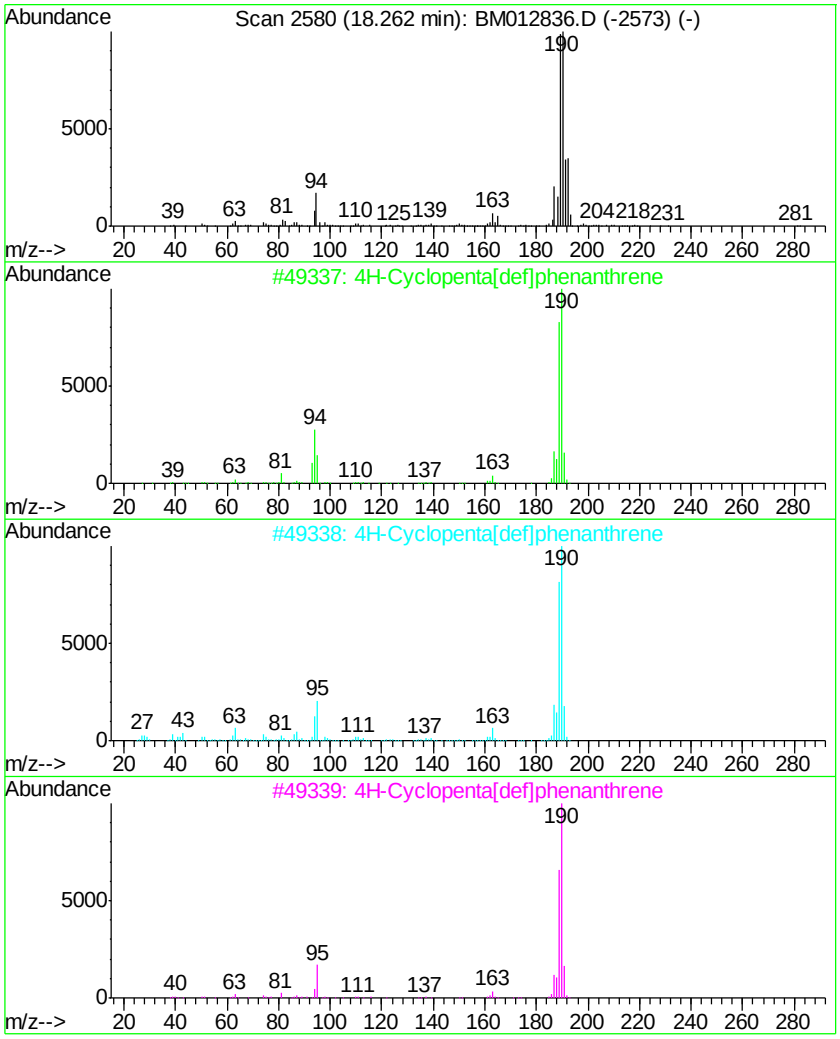
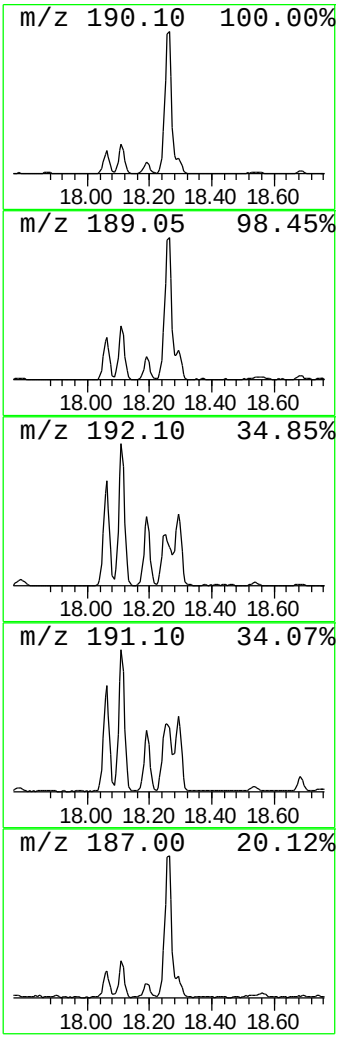
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	20.58 ng/ul	1462050	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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ClientSampleId : B-6(5-5.5)-101717

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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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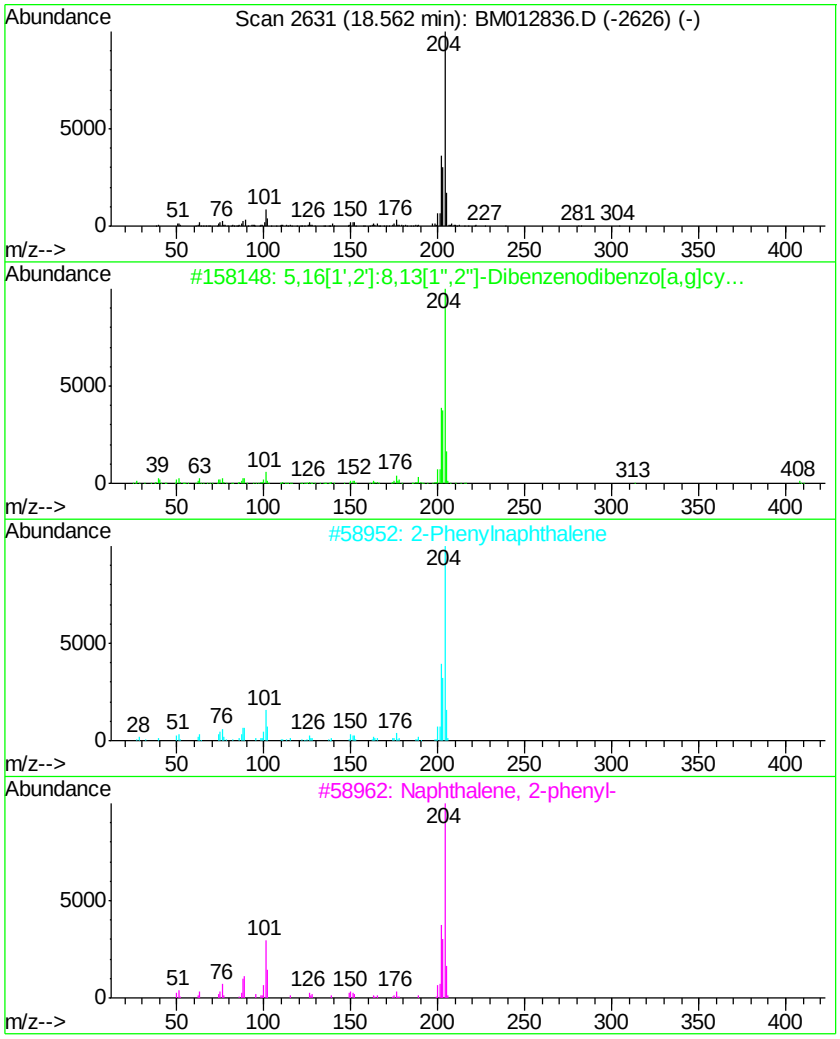
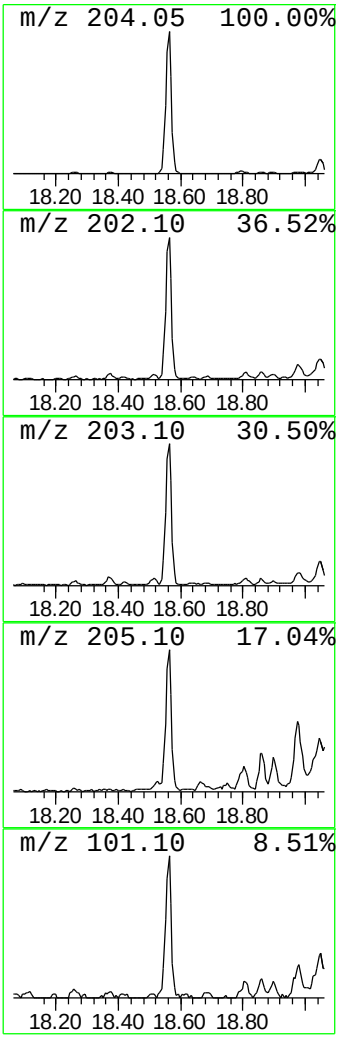
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	9.57 ng/ul	679777	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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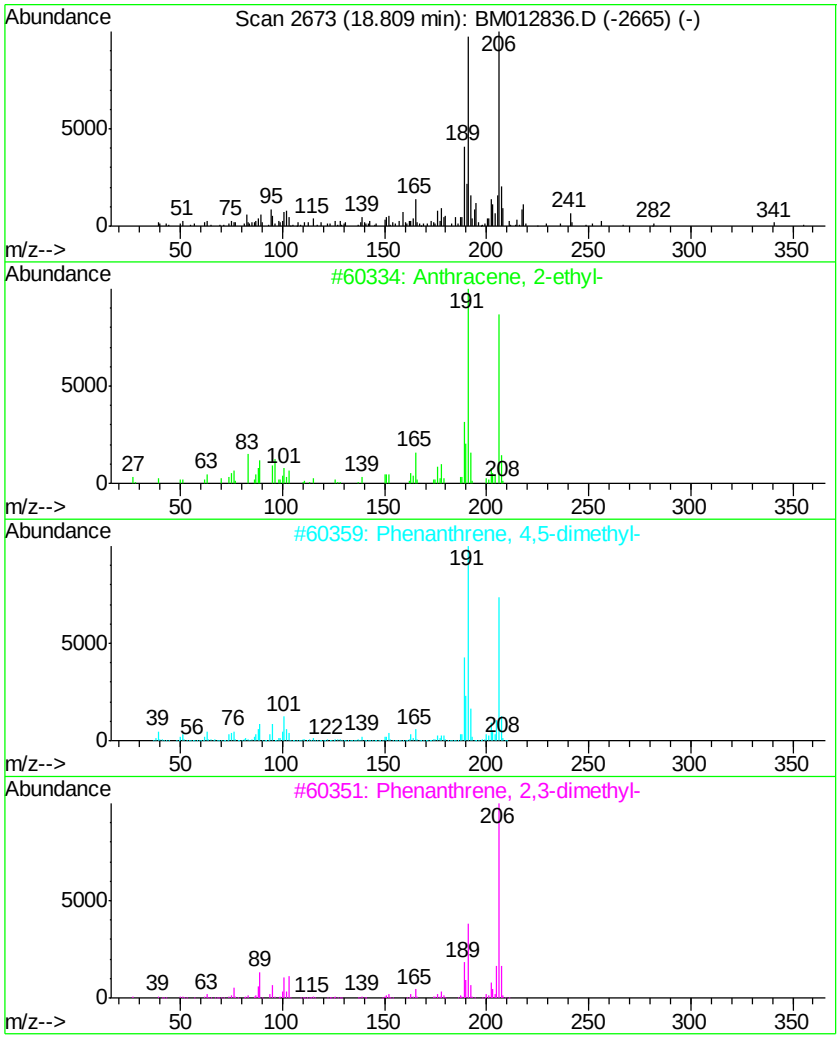
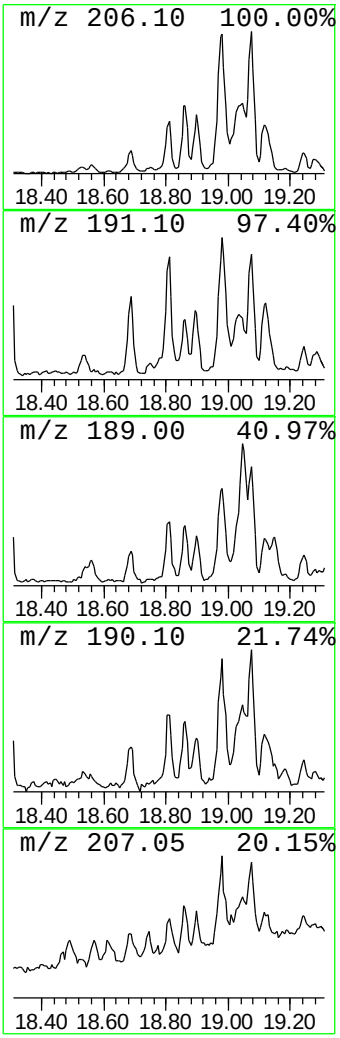
Peak Number 20 Anthracene, 2-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.63 ng/ul	258187	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

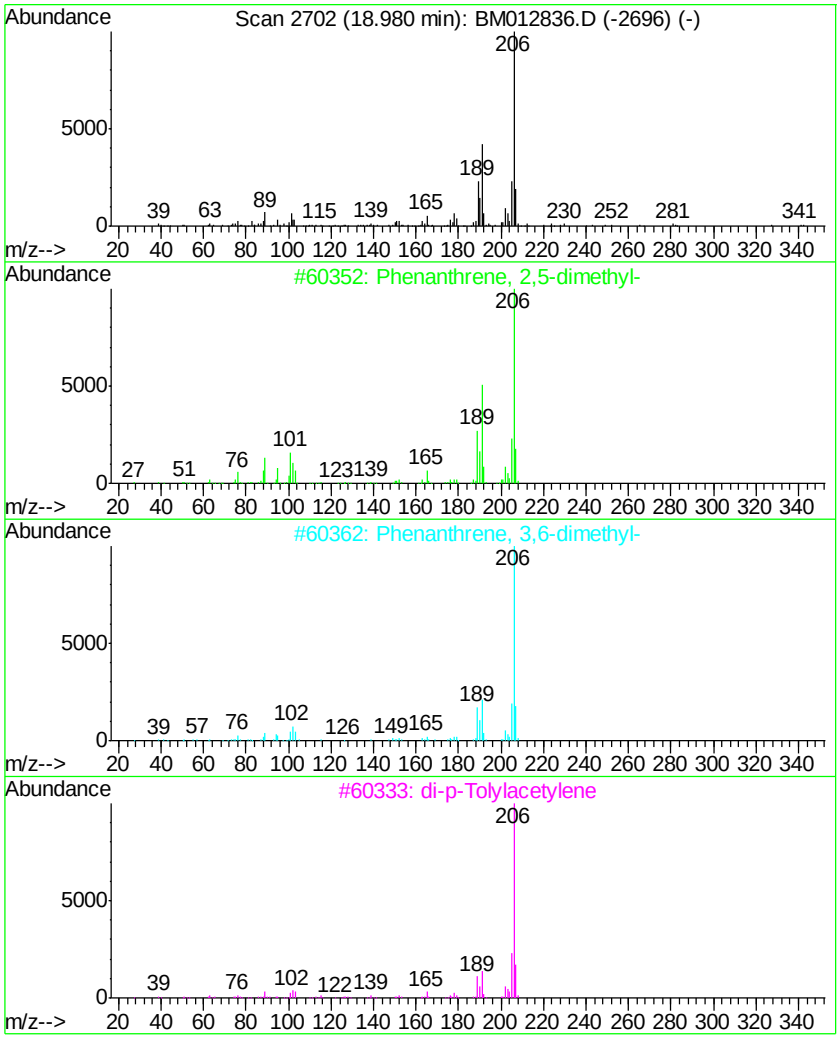
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

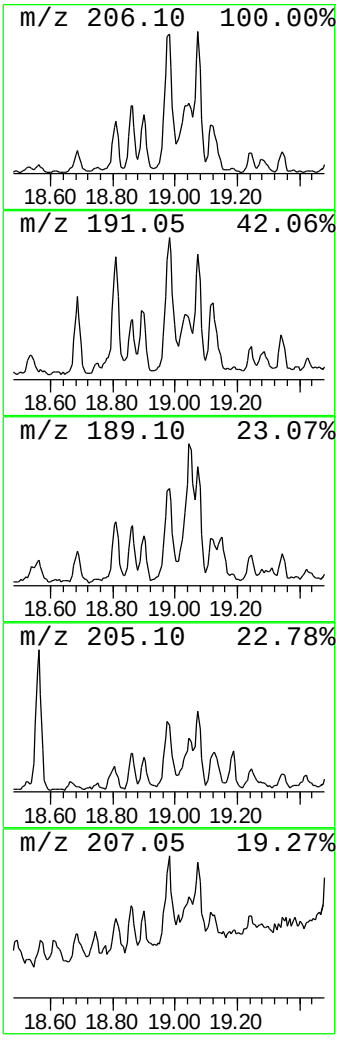
****

Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	6.21 ng/ul	441129	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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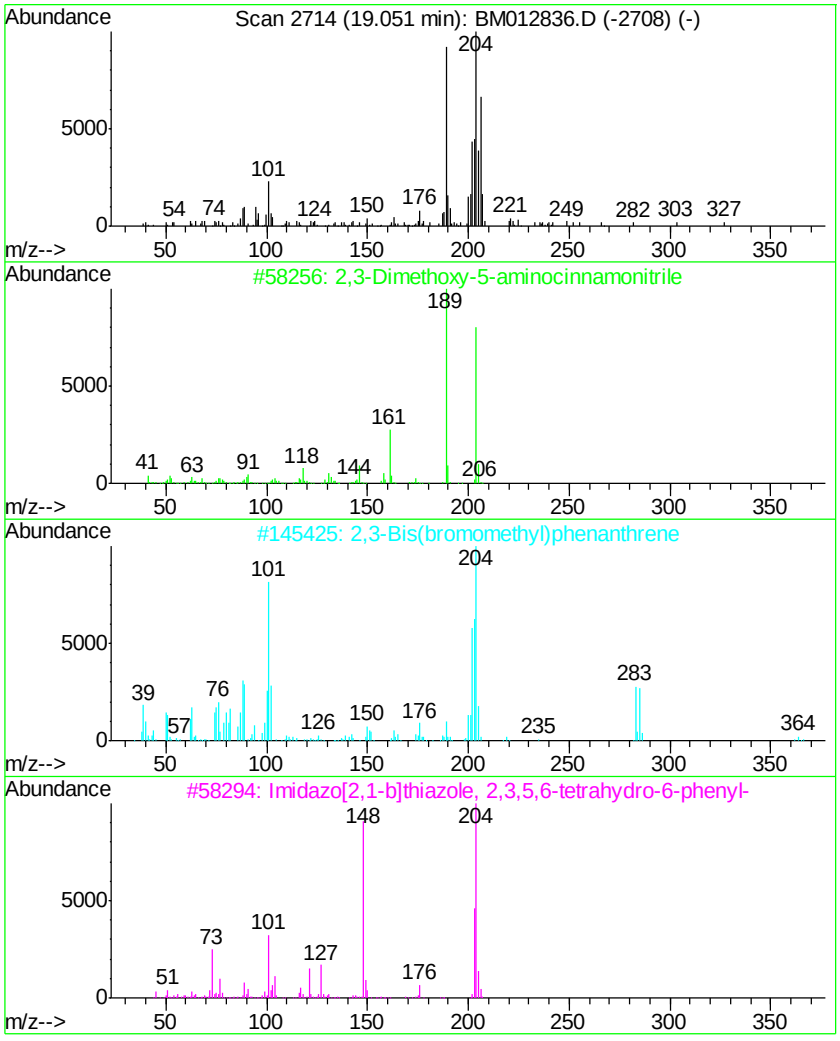
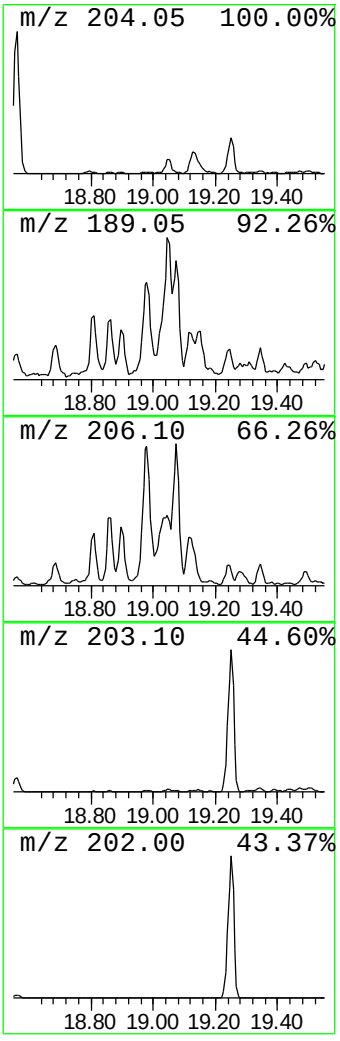
Peak Number 22 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	4.35 ng/ul	308677	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	38
2	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	35
3	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	30
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	27
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	22





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Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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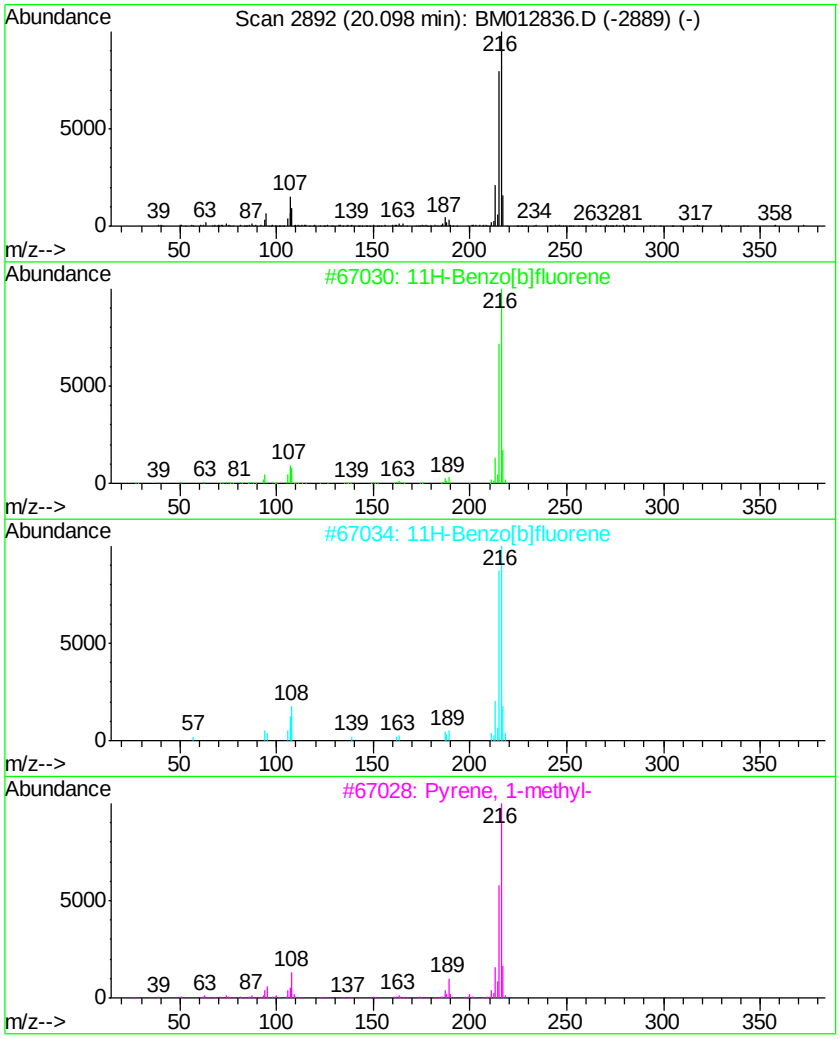
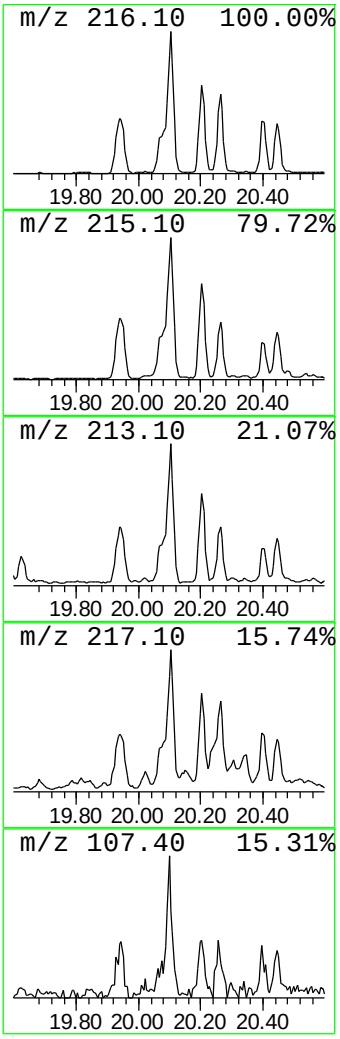
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.99 ng/ul	770037	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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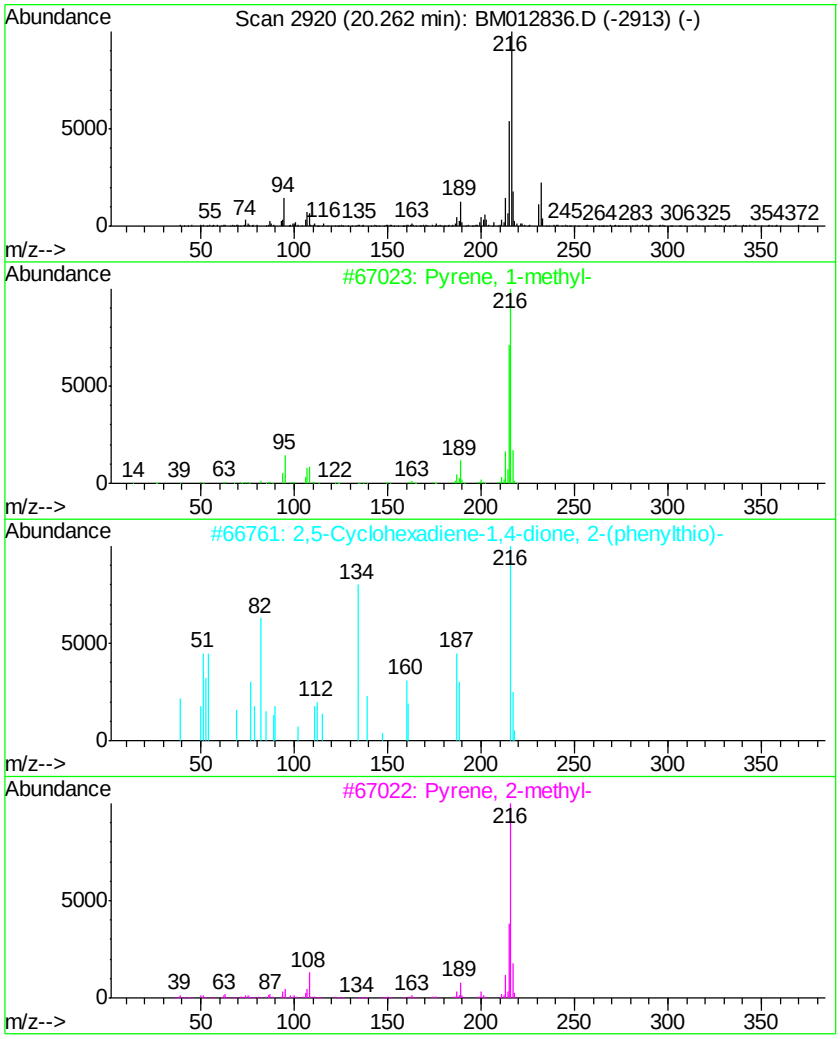
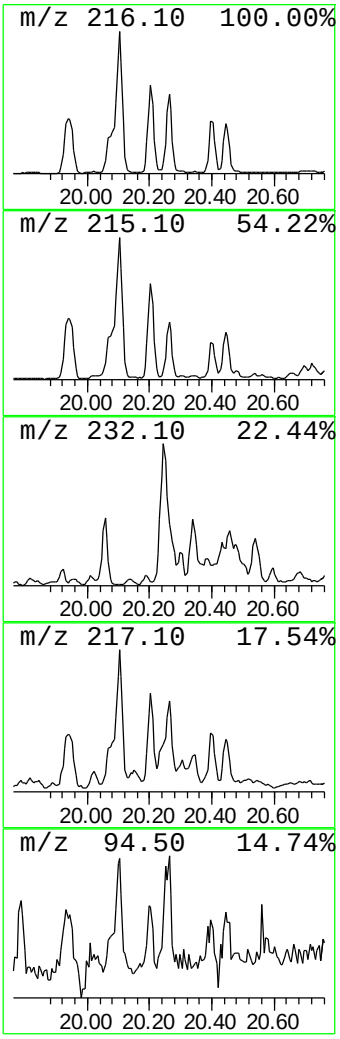
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.76 ng/ul	709888	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	2,5-Cyclohexadiene-1,4-dione, 2-...	216	C12H8O2S	018232-03-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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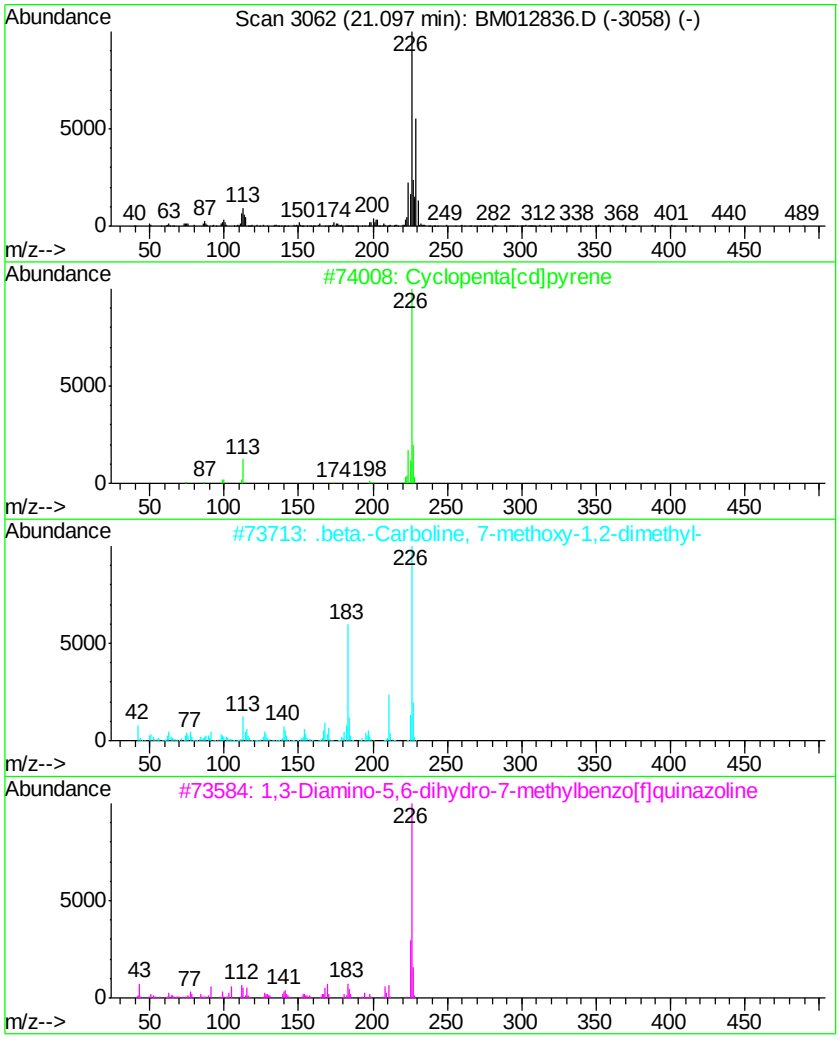
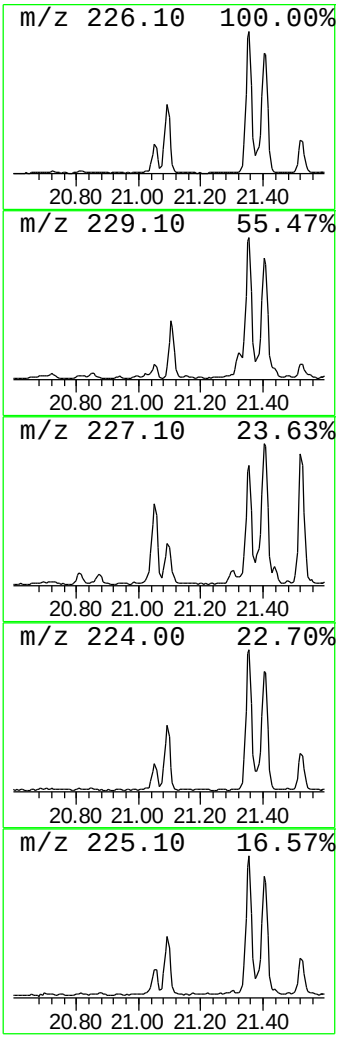
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.06 ng/ul	530466	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	49
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
4	2-Imidazolidinone, 1-(4-chloroph...	226	C10H11ClN2O2	052420-34-5	38
5	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	38





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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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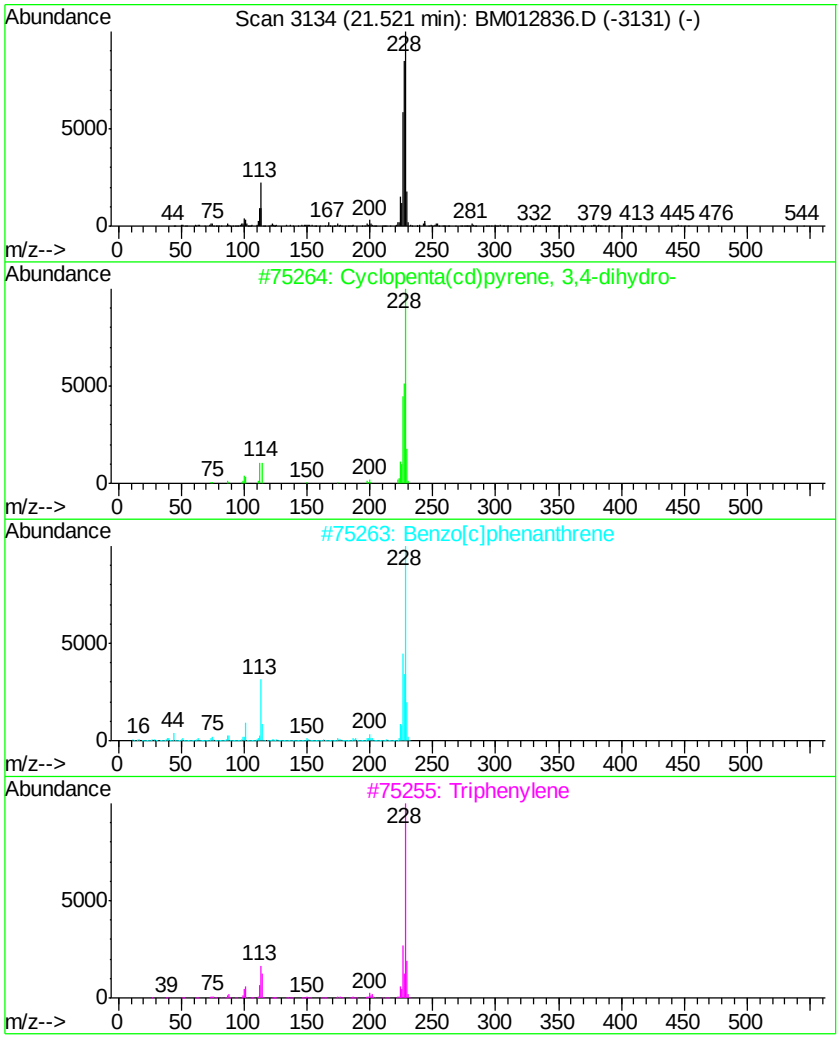
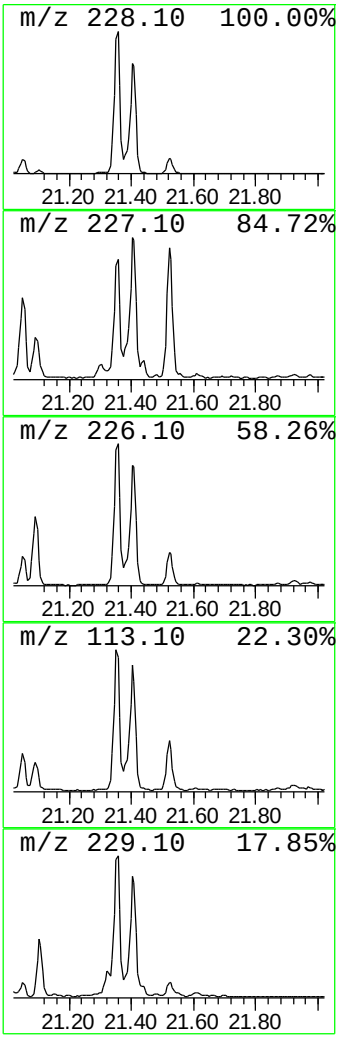
Peak Number 28 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.52 ng/ul	650241	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Triphenylene	228	C18H12	000217-59-4	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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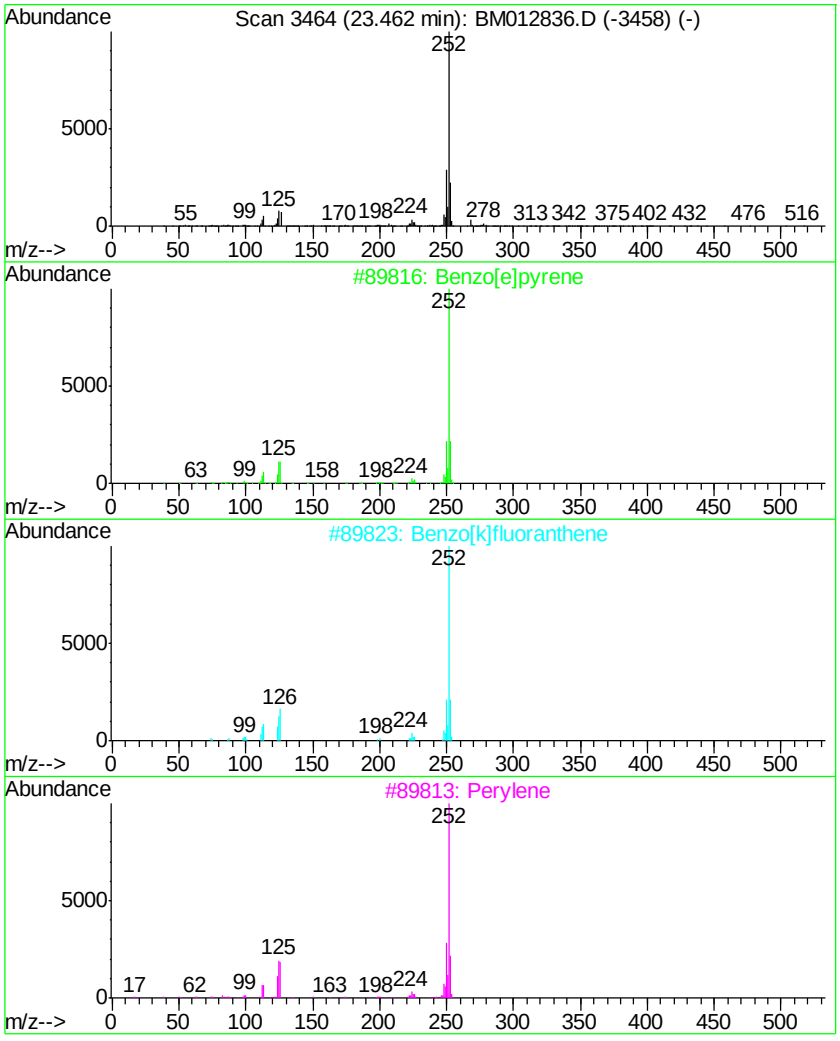
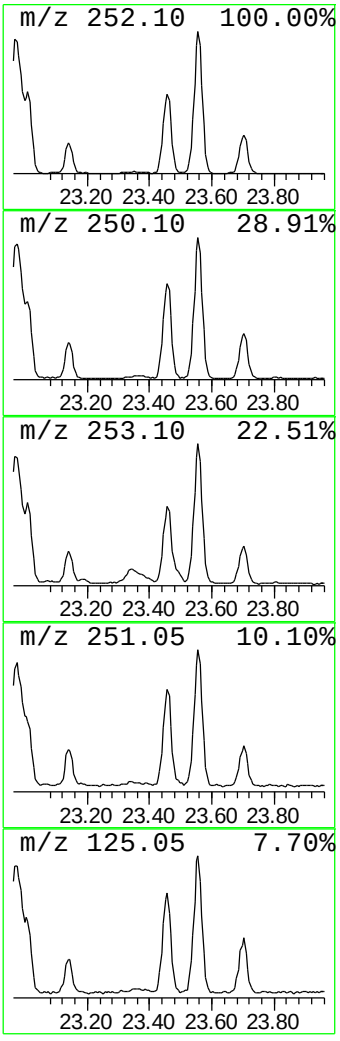
Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	15.95 ng/ul	1412230	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

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Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-6(5-5.5)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.47	9.0	ng/ul	469744	2	10.59	1043760	20.0
Naphthalene, 2,6-...	13.60	2.8	ng/ul	204391	3	14.44	1478600	20.0
Naphthalene, 1,7-...	13.76	5.5	ng/ul	408829	3	14.44	1478600	20.0
Naphthalene, 1,5-...	14.00	2.4	ng/ul	178720	3	14.44	1478600	20.0
Nordiphenamid	15.65	2.0	ng/ul	149251	3	14.44	1478600	20.0
Dibenzofuran, 4-m...	15.78	6.0	ng/ul	441539	3	14.44	1478600	20.0
9H-Fluorene, 1-me...	16.49	6.0	ng/ul	427774	4	17.19	1420820	20.0
2,2-Dimethyl-1-ac...	16.72	3.9	ng/ul	273398	4	17.19	1420820	20.0
9H-Fluoren-9-one	16.84	3.7	ng/ul	263408	4	17.19	1420820	20.0
8-Dimethylaminona...	16.92	3.7	ng/ul	263300	4	17.19	1420820	20.0
Dibenzothiophene	17.00	9.9	ng/ul	700361	4	17.19	1420820	20.0
1,2,4,8-Tetrameth...	17.70	3.6	ng/ul	255492	4	17.19	1420820	20.0
Anthracene, 2-met...	18.06	12.9	ng/ul	916776	4	17.19	1420820	20.0
Phenanthrene, 1-m...	18.11	16.2	ng/ul	1153120	4	17.19	1420820	20.0
4H-Cyclopenta[def...	18.26	20.6	ng/ul	1462050	4	17.19	1420820	20.0
5,16[1',2']:8,13[...	18.56	9.6	ng/ul	679777	4	17.19	1420820	20.0
Anthracene, 2-ethyl-	18.81	3.6	ng/ul	258187	4	17.19	1420820	20.0
Phenanthrene, 2,5...	18.98	6.2	ng/ul	441129	4	17.19	1420820	20.0
unknown-01	19.05	4.3	ng/ul	308677	4	17.19	1420820	20.0
11H-Benzo[b]fluorene	20.10	3.0	ng/ul	770037	5	21.37	5151160	20.0
Pyrene, 1-methyl-	20.26	2.8	ng/ul	709888	5	21.37	5151160	20.0
Cyclopenta[cd]pyrene	21.10	2.1	ng/ul	530466	5	21.37	5151160	20.0
Cyclopenta(cd)pyr...	21.52	2.5	ng/ul	650241	5	21.37	5151160	20.0
Benzo[e]pyrene	23.46	15.9	ng/ul	1412230	6	23.66	1770730	20.0