LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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	6.869	636	643	654	rVB2	886104	1542756	1.12%	0.202%
2	7.228	697	704	712	rVB	918196	1424194	1.03%	0.186%
3	8.398	896	903	911	rBV	1225657	1897423	1.37%	0.248%
4	8.845	972	979	990	rBV	969755	1619959	1.17%	0.212%
5	9.563	1092	1101	1108	rBV	850522	1443143	1.04%	0.189%
6	10.098	1182	1192	1199	rBV	1267936	2089317	1.51%	0.273%
7	10.469	1244	1255	1261	rBV	1036559	1791446	1.30%	0.234%
8	10.616	1270	1280	1295	rBV	1059254	2077559	1.50%	0.272%
9	13.163	1706	1713	1720	rBV	4673982	6727166	4.87%	0.879%
10	13.657	1787	1797	1806	rBV	1500637	2502993	1.81%	0.327%
11	13.757	1806	1814	1818	rBV	2236685	3398588	2.46%	0.444%
12	13.892	1828	1837	1840	rBV	1139260	1823915	1.32%	0.238%
13	14.027	1853	1860	1863	rBV	2662235	4158237	3.01%	0.543%
14	14.321	1904	1910	1918	rBV3	1985478	4653678	3.37%	0.608%
15	14.415	1918	1926	1932	rVB	34442637	52830992	38.25%	6.904%
16	14.551	1942	1949	1957	rBV	1423300	2615175	1.89%	0.342%
17	14.651	1958	1966	1970	rBV	1444014	2234306	1.62%	0.292%
18	14.745	1975	1982	1988	rVB	20133299	29694415	21.50%	3.881%
19	15.333	2076	2082	2087	rBV	2950533	4584232	3.32%	0.599%
20	15.404	2087	2094	2102	rVB	24903441	38775507	28.07%	5.067%
21	15.480	2102	2107	2110	rBV2	1838822	2812894	2.04%	0.368%
22	15.515	2110	2113	2116	rVV	1871101	2717286	1.97%	0.355%
23	15.551	2116	2119	2124	rVV	3257892	4460131	3.23%	0.583%
24	15.639	2130	2134	2137	rVV2	1824151	2691466	1.95%	0.352%
25	15.680	2137	2141	2150	rVB	3477145	5132822	3.72%	0.671%
26	15.833	2158	2167	2174	rVV	3767775	7469033	5.41%	0.976%
27	15.921	2174	2182	2188	rVB2	728489	1559195	1.13%	0.204%
28	16.180	2218	2226	2233	rBV	1411794	2291308	1.66%	0.299%
29	16.345	2250	2254	2256	rBV	1096776	1495105	1.08%	0.195%
30	16.392	2257	2262	2267	rVV2	2330619	4107411	2.97%	0.537%
31	16.439	2267	2270	2276	rVB2	1032275	1429174	1.03%	0.187%
32	16.539	2281	2287	2292	rVB2	1041697	1887486	1.37%	0.247%
33	16.751	2318	2323	2329	rVB	1741303	2782657	2.01%	0.364%
34	16.839	2329	2338	2343	rBV2	2493896	5065882	3.67%	0.662%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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

35	16.904	2343	2349	2361	rVB	6603981	10303276	7.46%	1.347%
36	17.162	2372	2393	2397	rBV2	64734860	138131473	100.00%	18.052%
37	17.198	2397	2399	2401	rVV	4459010	4921846	3.56%	0.643%
38	17.233	2401	2405	2409	rVV	12723341	16181982	11.71%	2.115%
39	17.280	2409	2413	2418	rVB	989021	1526464	1.11%	0.199%
40	17.492	2443	2449	2454	rBV	4028078	5663783	4.10%	0.740%
41	17.603	2464	2468	2474	rBV2	1301806	1977459	1.43%	0.258%
42	17.662	2474	2478	2488	rVB3	668219	1426124	1.03%	0.186%
43	17.962	2519	2529	2533	rBV	6091523	9286852	6.72%	1.214%
44	18.009	2533	2537	2543	rVB	8436627	11748388	8.51%	1.535%
45	18.092	2543	2551	2556	rBV	2608772	4300136	3.11%	0.562%
46	18.162	2556	2563	2567	rBV2	11968390	19891616	14.40%	2.600%
47	18.462	2609	2614	2619	rVV	4982727	6638445	4.81%	0.868%
48	18.709	2648	2656	2660	rBV3	990309	1541224	1.12%	0.201%
49	18.880	2679	2685	2690	rBV	1281615	2388199	1.73%	0.312%
50	19.174	2725	2735	2739	rBV2	49745493	91731972	66.41%	11.988%
51	19.392	2759	2772	2777	rBV2	1771083	3680573	2.66%	0.481%
52	19.533	2783	2796	2801	rBV5	38474979	87086131	63.05%	11.381%
53	19.586	2801	2805	2812	rVB	1929173	2848540	2.06%	0.372%
54	19.692	2818	2823	2830	rBV	2617389	3467064	2.51%	0.453%
55	19.833	2841	2847	2853	rBV3	1884155	4794082	3.47%	0.627%
56	19.892	2853	2857	2861	rVV	1271890	1716391	1.24%	0.224%
57	19.968	2865	2870	2871	rVV3	1462906	2084738	1.51%	0.272%
58	20.009	2873	2877	2882	rVB	7239045	9643620	6.98%	1.260%
59	20.109	2889	2894	2898	rBV	7517250	9954775	7.21%	1.301%
60	20.168	2898	2904	2907	rVV3	2172179	4064568	2.94%	0.531%
61	20.203	2907	2910	2914	rVV	1773049	2258217	1.63%	0.295%
62	20.303	2923	2927	2931	rBV	1090717	1514866	1.10%	0.198%
63	20.350	2931	2935	2939	rVB2	1290054	1732914	1.25%	0.226%
64	20.715	2992	2997	3002	rBV2	755651	1474090	1.07%	0.193%
65	20.921	3027	3032	3035	rBV	1986920	2481972	1.80%	0.324%
66	20.956	3035	3038	3041	rVV	2057580	2374853	1.72%	0.310%
67	20.997	3041	3045	3050	rVB2	1707573	2856879	2.07%	0.373%
68	21.156	3065	3072	3081	rBV	594715	1426604	1.03%	0.186%
69	21.268	3081	3091	3095	rVV3	13023210	23396965	16.94%	3.058%
70	21.315	3095	3099	3109	rVB	13293546	18388737	13.31%	2.403%
71	21.433	3114	3119	3125	rBV	2456488	3661433	2.65%	0.479%

LSC Area Percent Report

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Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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

72	21.586	3140	3145	3150	rBV2	1131700	1823111	1.32%	0.238%
73	21.750	3165	3173	3179	rBV2	908046	2008815	1.45%	0.263%
74	21.821	3179	3185	3189	rVV	1118715	2010926	1.46%	0.263%
75	22.838	3351	3358	3363	rBV	3341756	8013517	5.80%	1.047%
76	23.309	3432	3438	3442	rBV	1374545	2580683	1.87%	0.337%
77	23.368	3442	3448	3451	rVV2	3596563	6725362	4.87%	0.879%
78	23.409	3451	3455	3462	rVB	2500796	4225846	3.06%	0.552%
79	23.503	3464	3471	3476	rVV	2001395	3963560	2.87%	0.518%
80	25.732	3843	3850	3864	rVB2	488141	1475677	1.07%	0.193%

Sum of corrected areas: 765181599

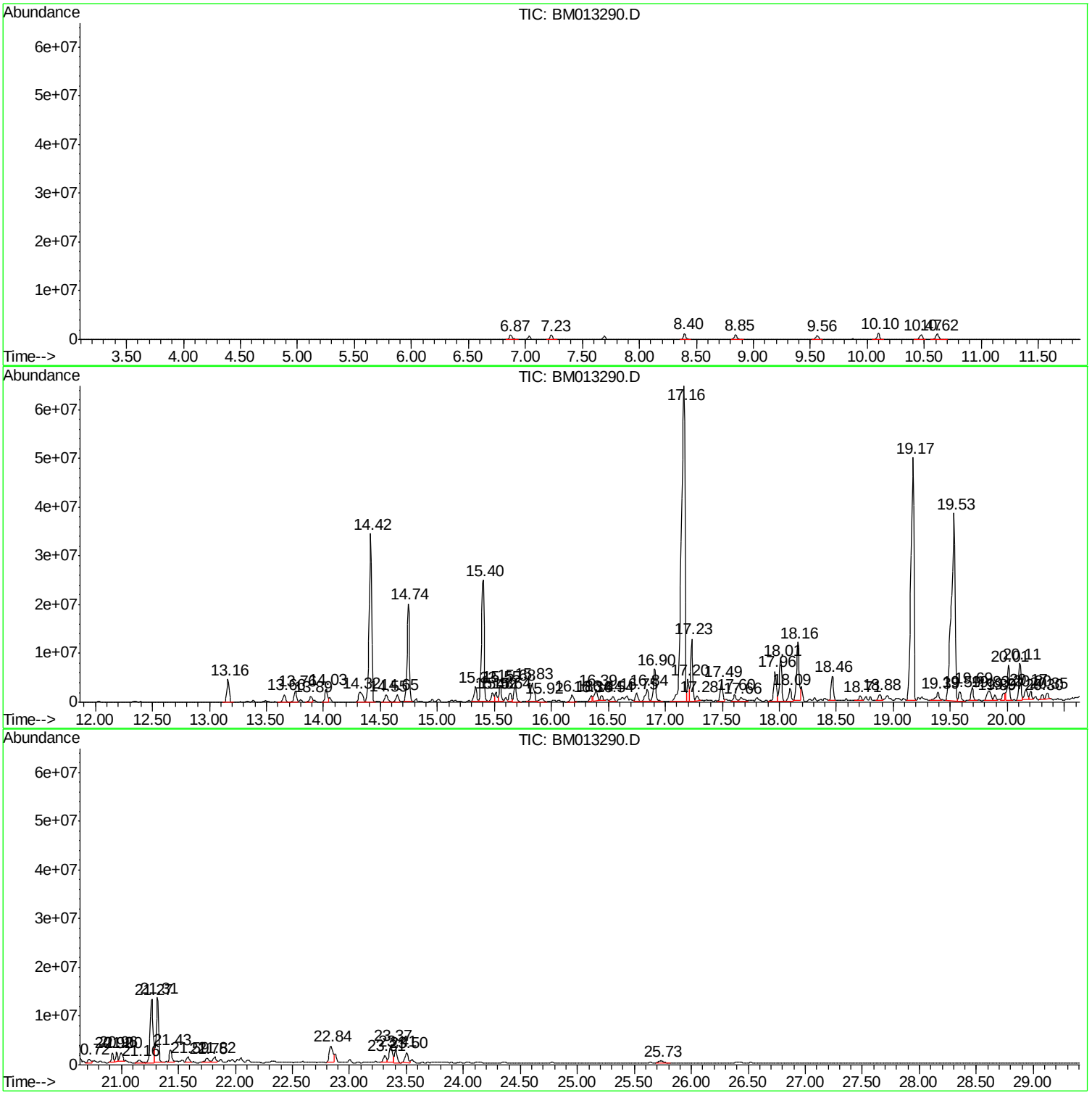
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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

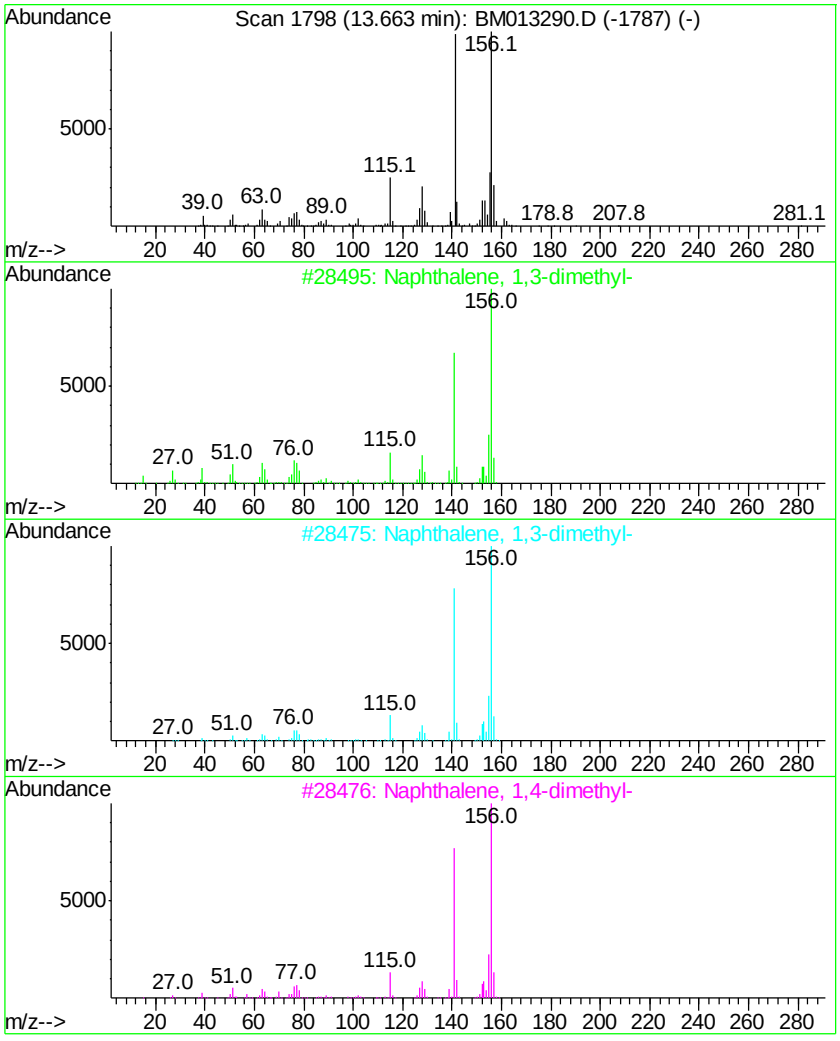
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

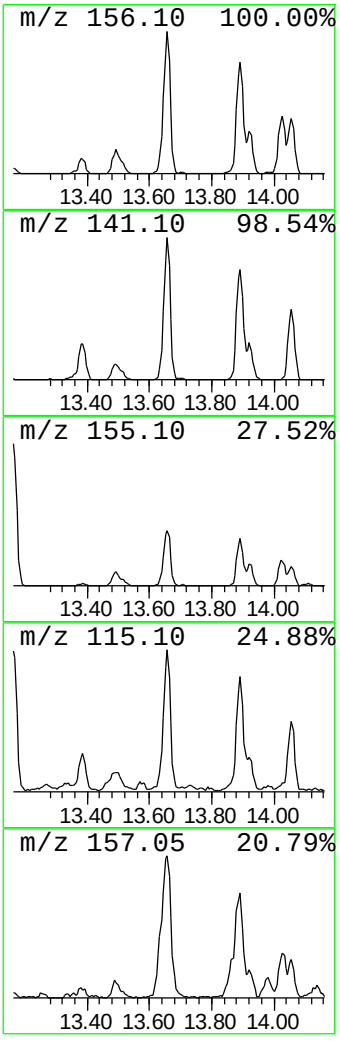
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	10.76 ng/ul	2502990	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





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Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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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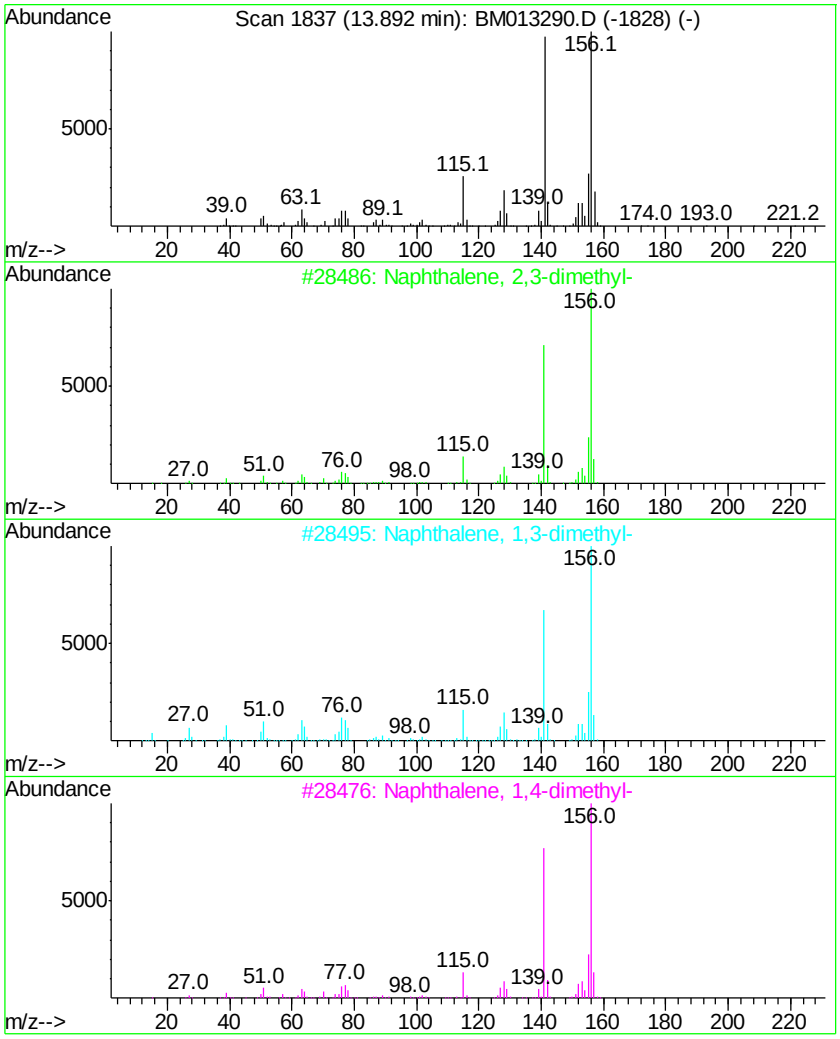
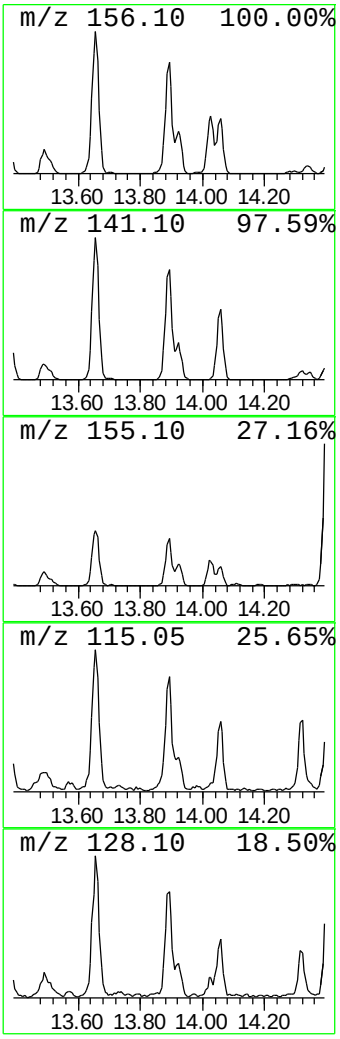
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	7.84 ng/ul	1823920	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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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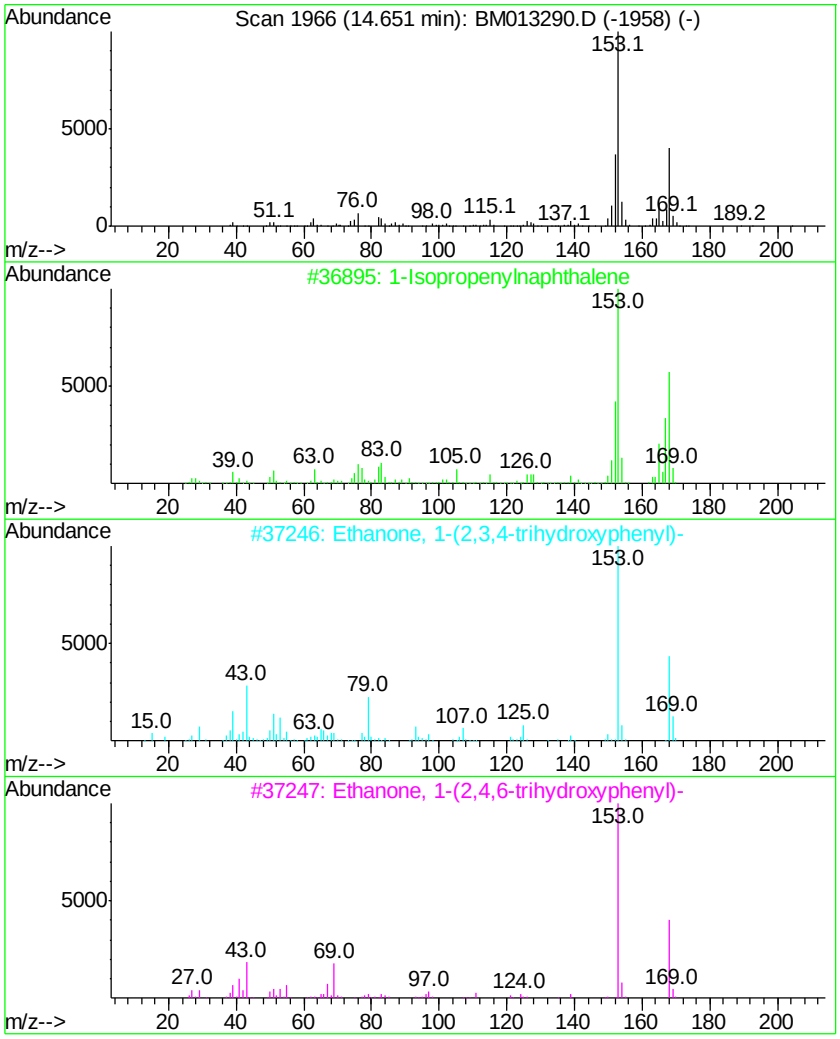
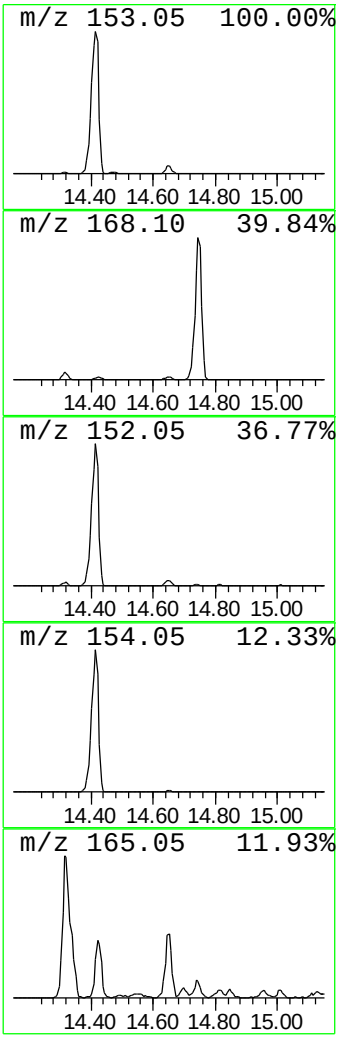
Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	9.60 ng/ul	2234310	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
4	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	53
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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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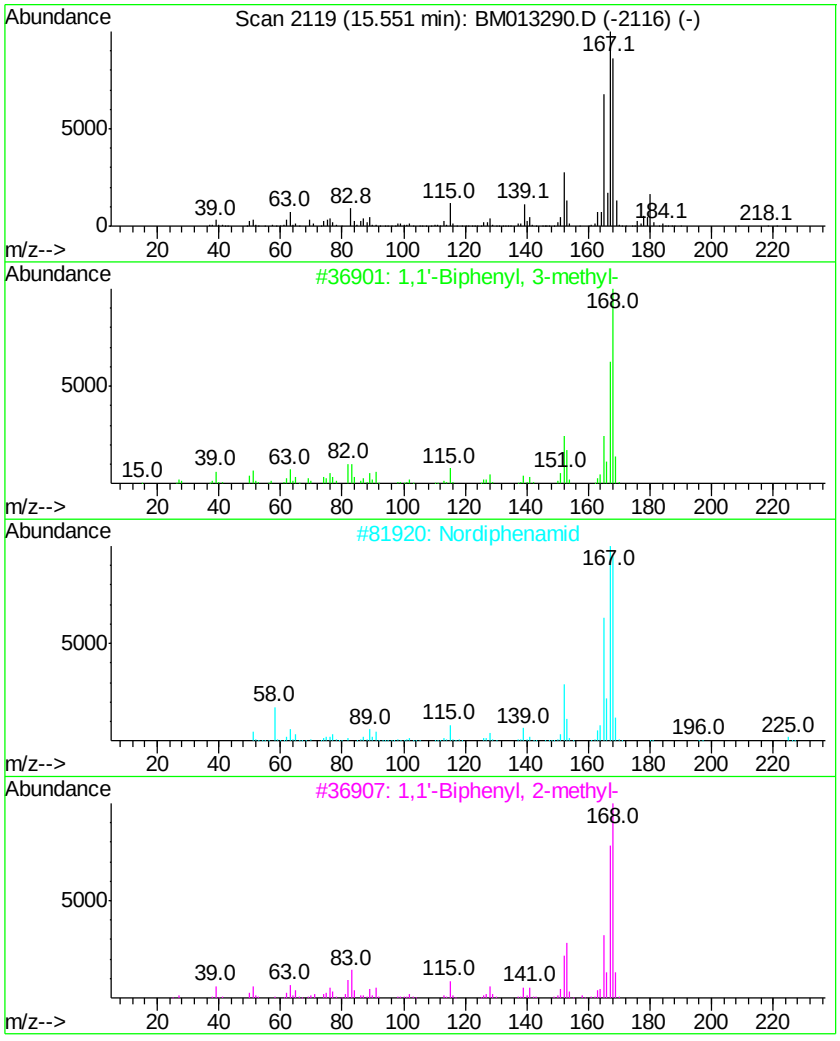
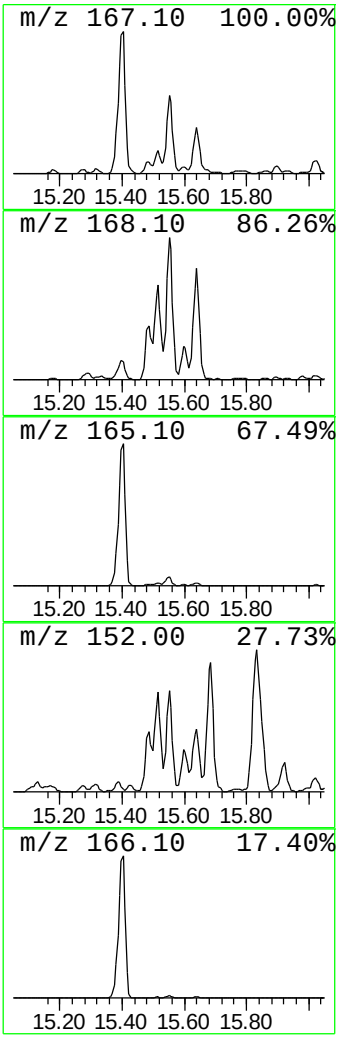
Peak Number 4 1,1'-Biphenyl, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	19.17 ng/ul	4460130	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	92
2	Nordiphenamid	225	C15H15NO	000954-21-2	90
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Diphenylmethane	168	C13H12	000101-81-5	68





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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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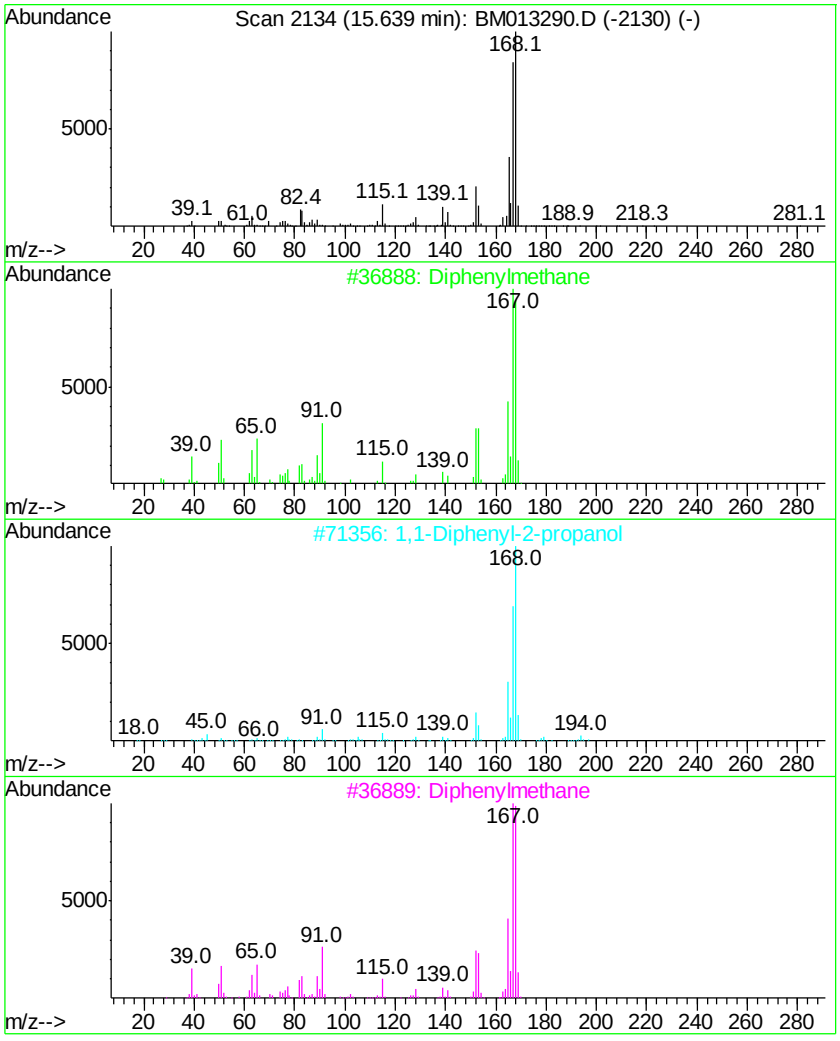
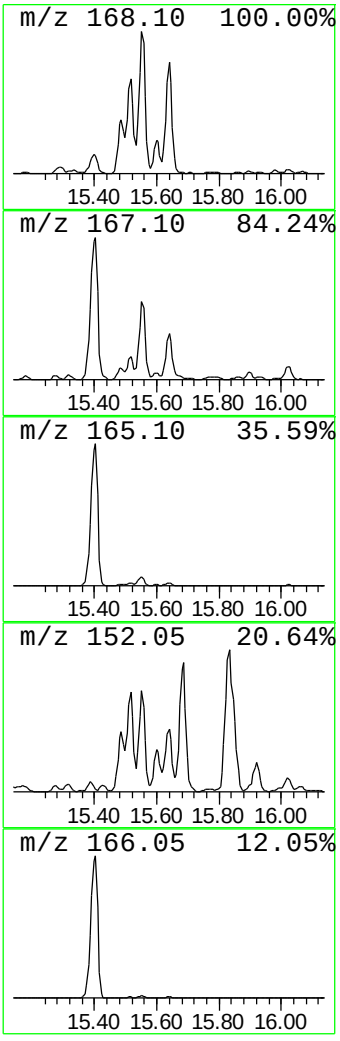
Peak Number 5 Diphenylmethane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	11.57 ng/ul	2691470	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
3	Diphenylmethane	168	C13H12	000101-81-5	81
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
5	Diphenylmethane	168	C13H12	000101-81-5	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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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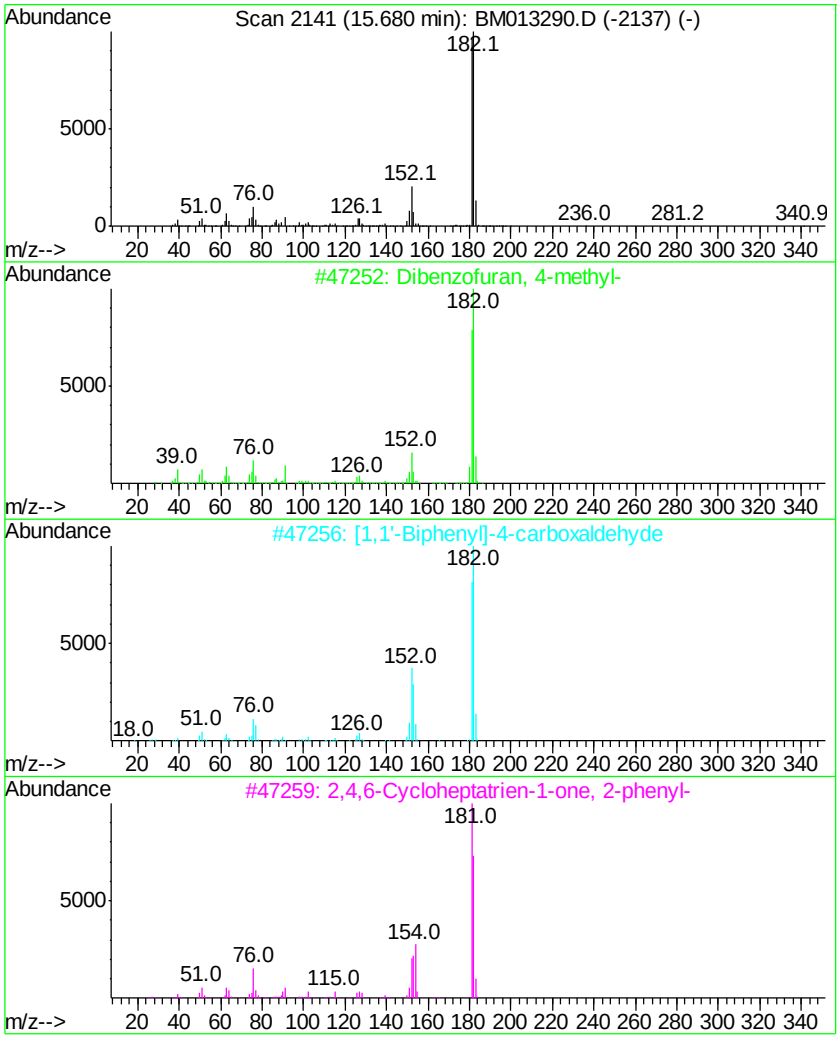
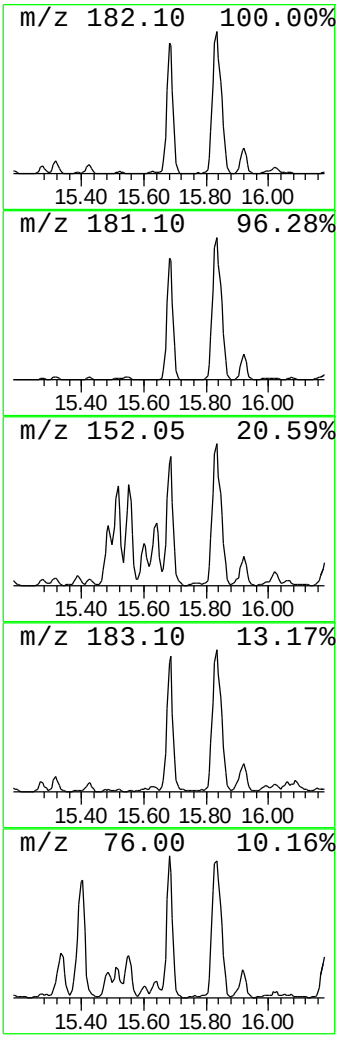
Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	22.06 ng/ul	5132820	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Operator : SJ/JU
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Misc :
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Instrument : BNA_M
ClientSampleId : F9A03

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Quant Title : SVOA CALIBRATION

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

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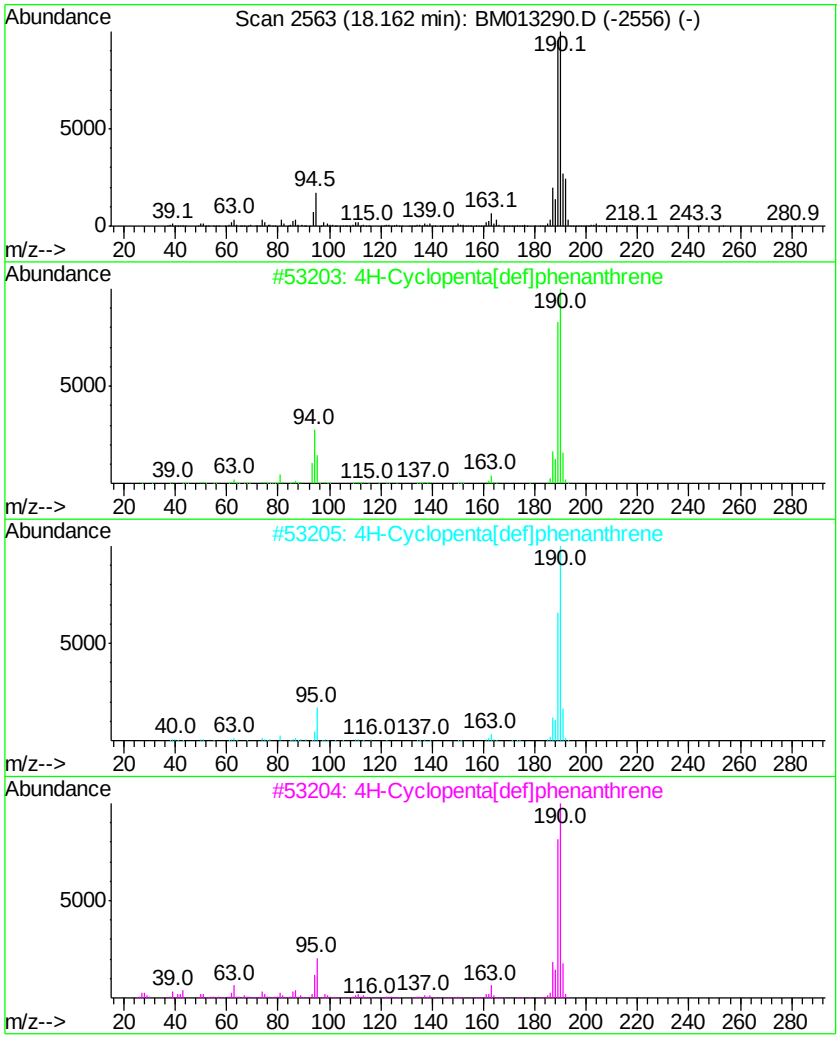
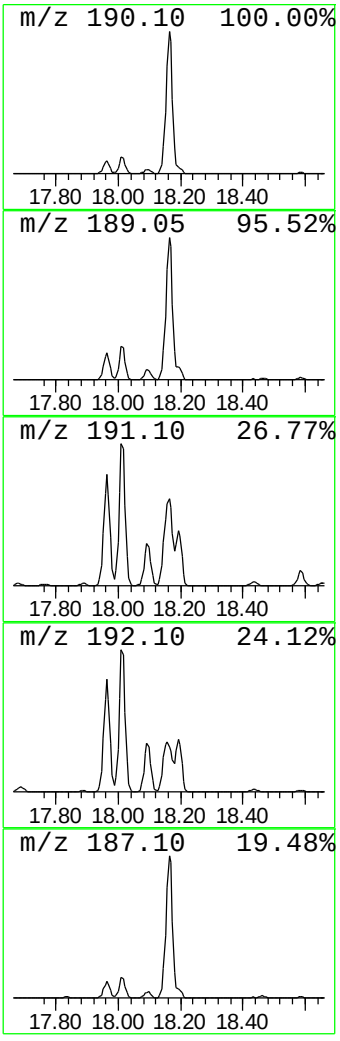
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.88 ng/ul	19891600	Phenanthrene-d10	17.09

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	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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Quant Title : SVOA CALIBRATION

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

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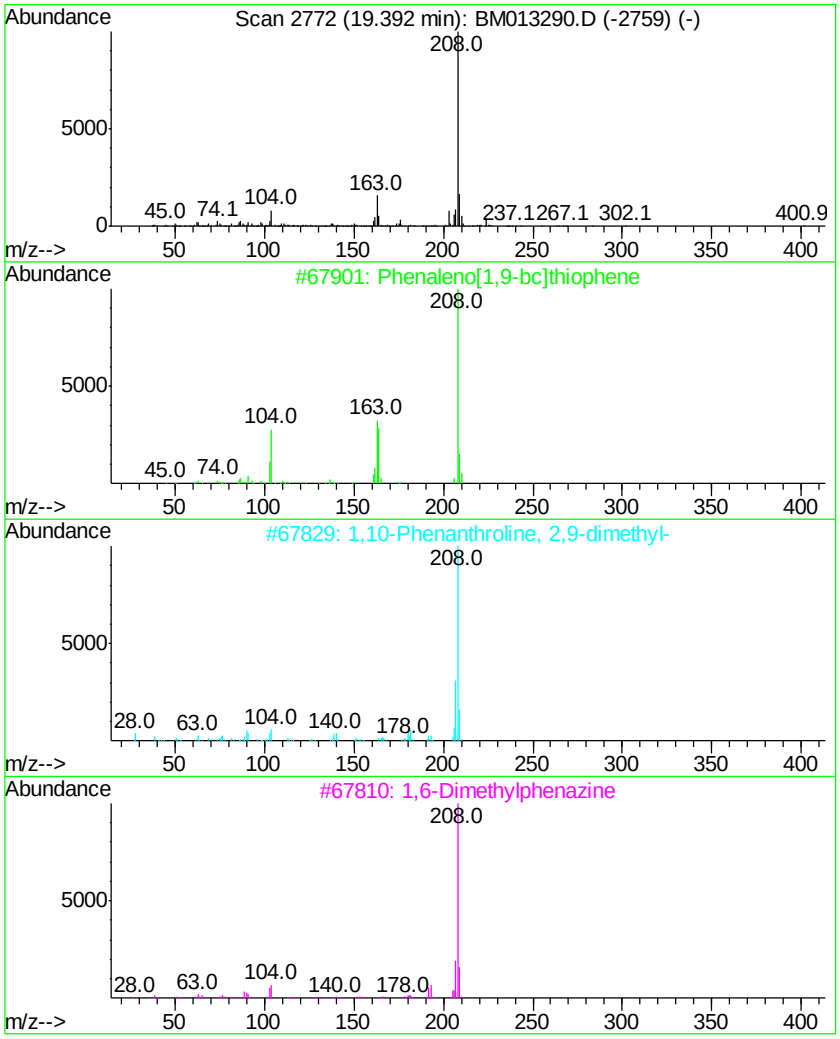
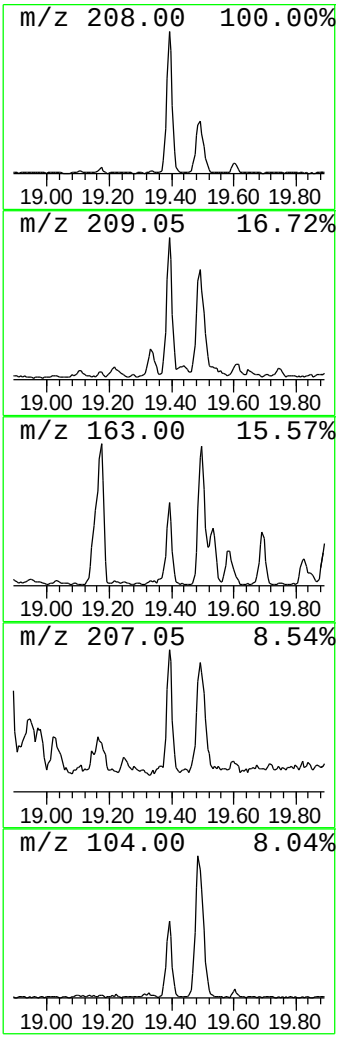
Peak Number 8 Phenaleno[1,9-bc]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	3.15 ng/ul	3680570	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	72
2	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	58
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	53
4	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	45
5	Phenanthrene, 4-methoxy-	208	C15H12O	015638-06-9	45





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Quant Title : SVOA CALIBRATION

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

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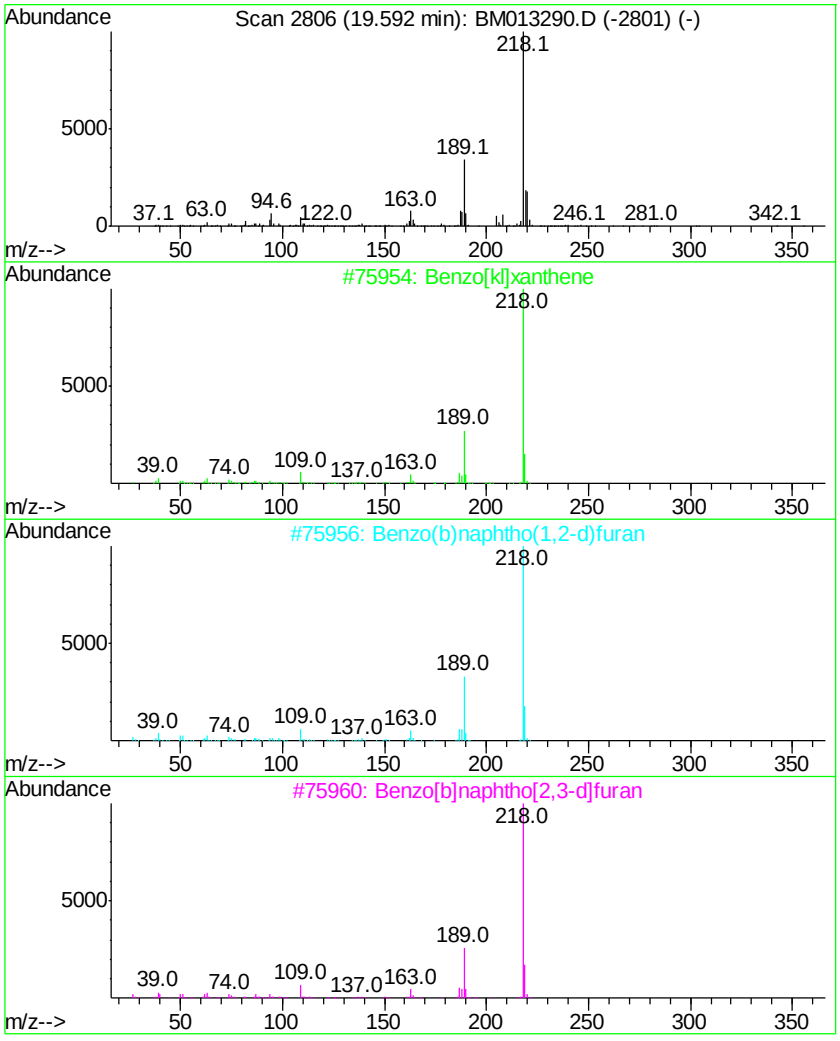
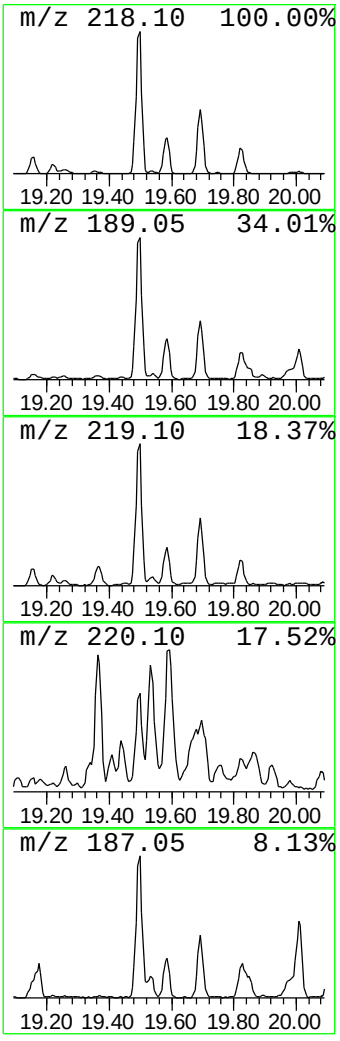
Peak Number 9 Benzo[kl]xanthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	2.43 ng/ul	2848540	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90





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Quant Title : SVOA CALIBRATION

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

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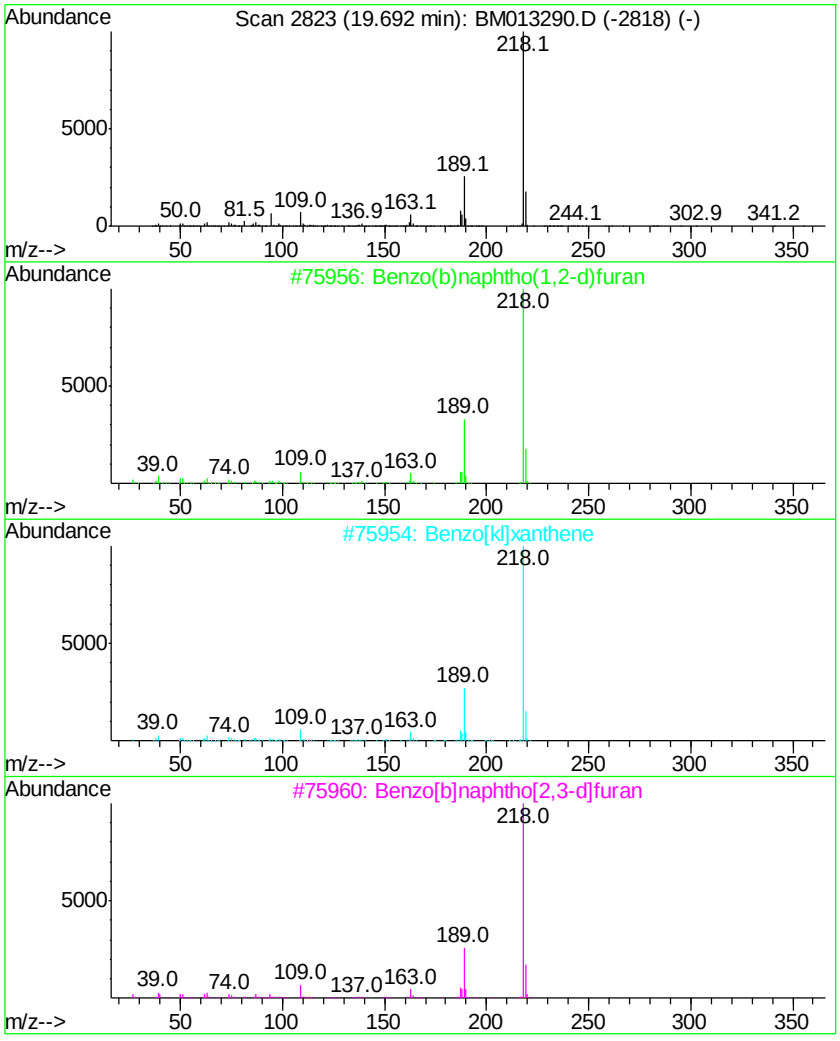
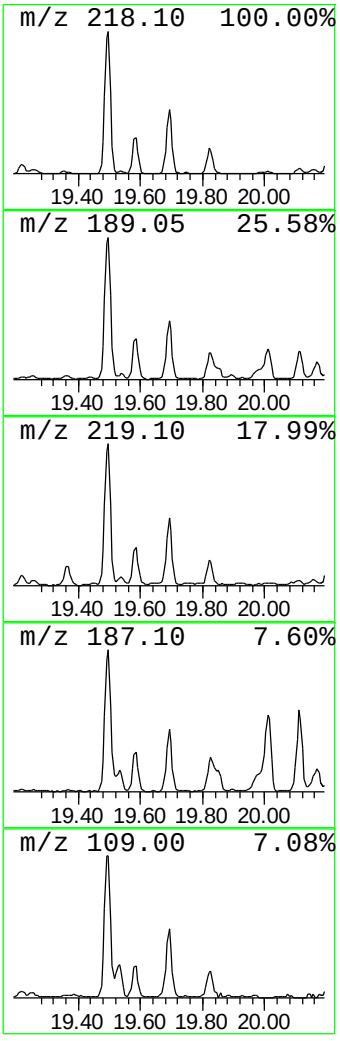
Peak Number 10 Benzo(b)naphtho(1,2-d)furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.96 ng/ul	3467060	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	94
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93





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Quant Title : SVOA CALIBRATION

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

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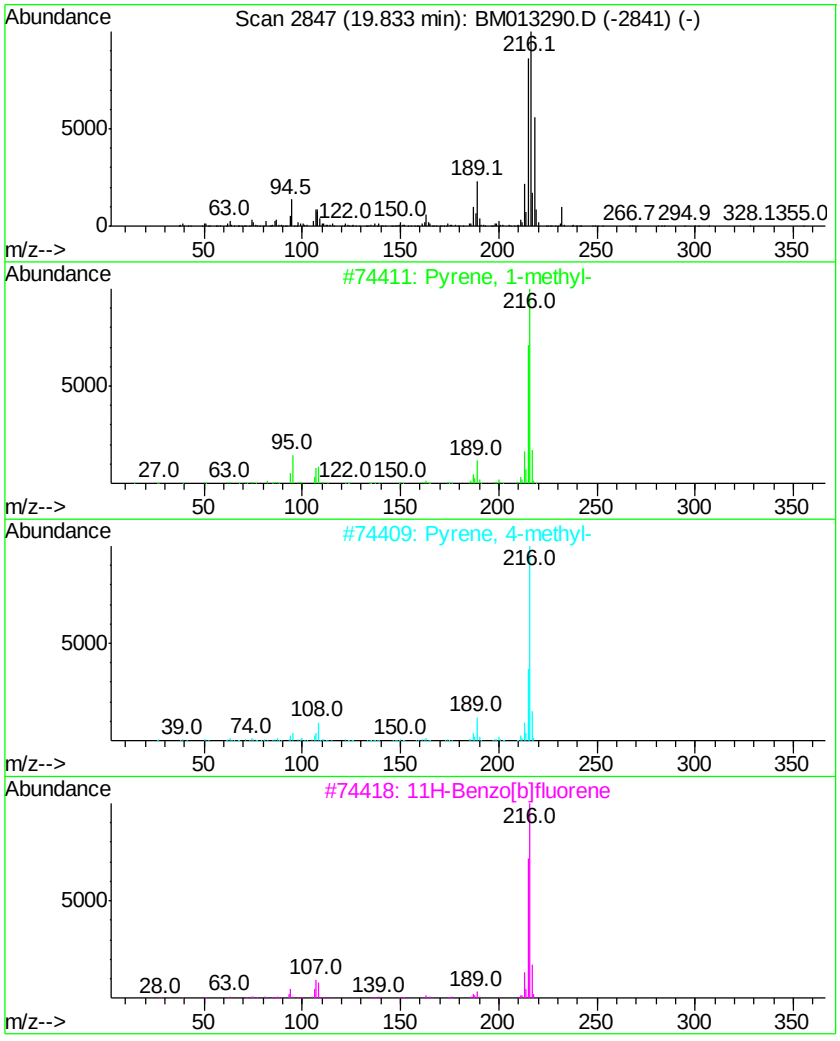
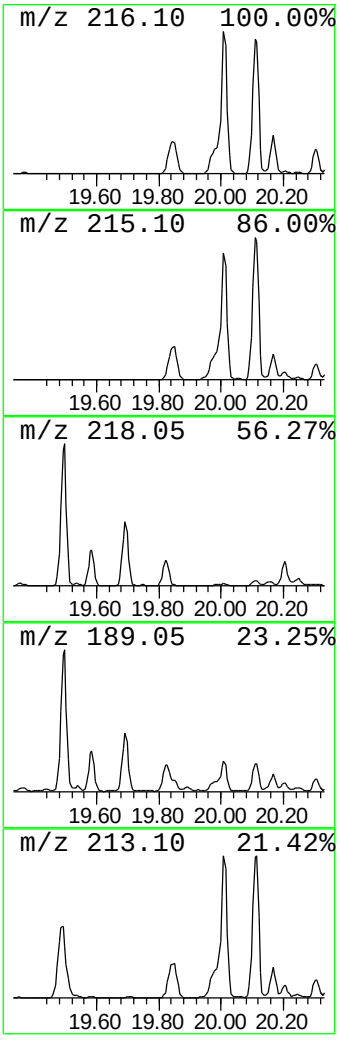
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	4.10 ng/ul	4794080	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Quant Title : SVOA CALIBRATION

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

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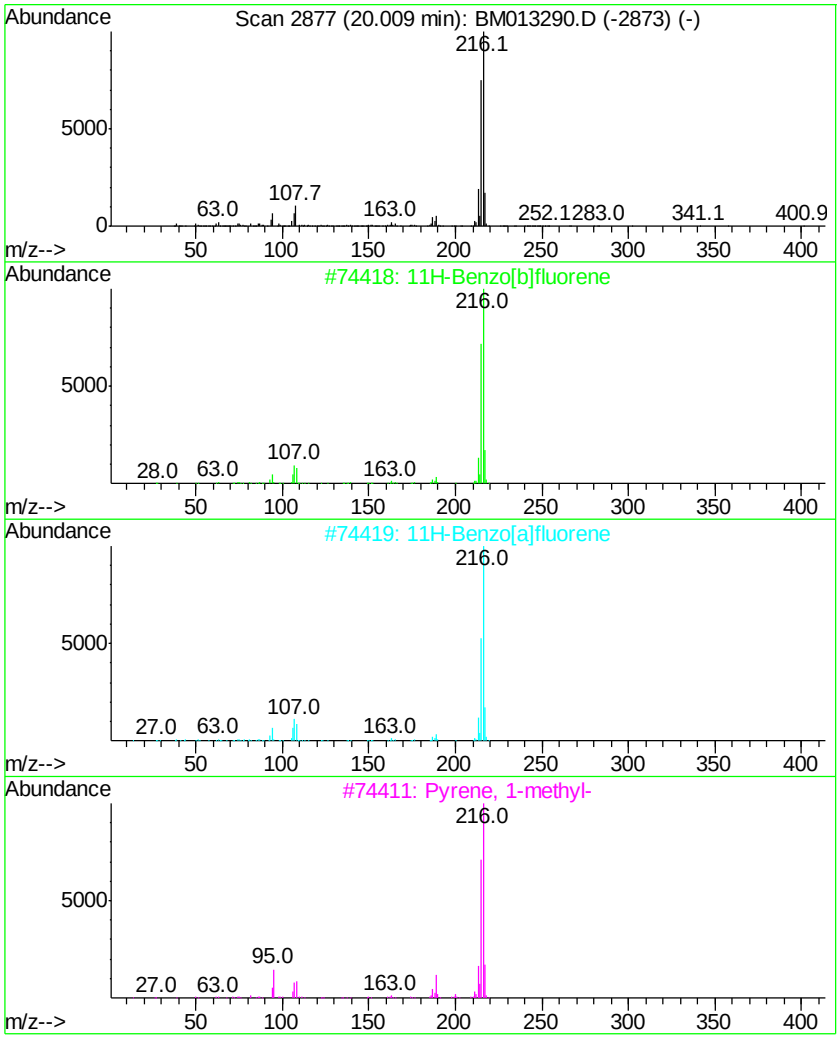
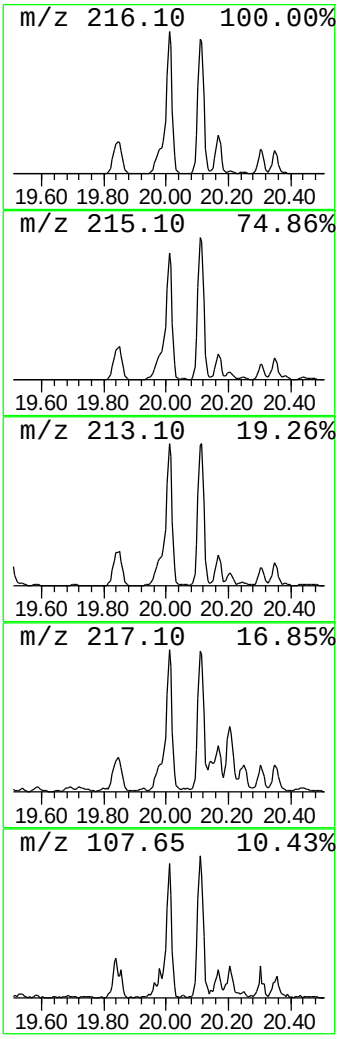
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	8.24 ng/ul	9643620	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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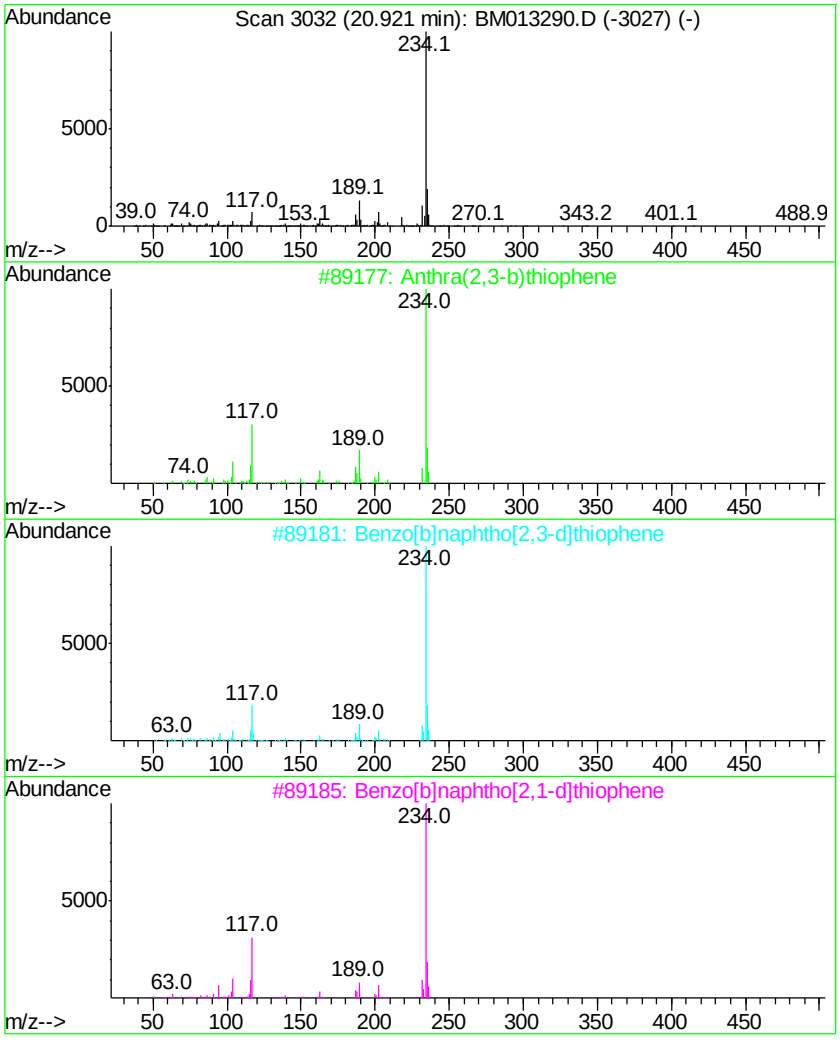
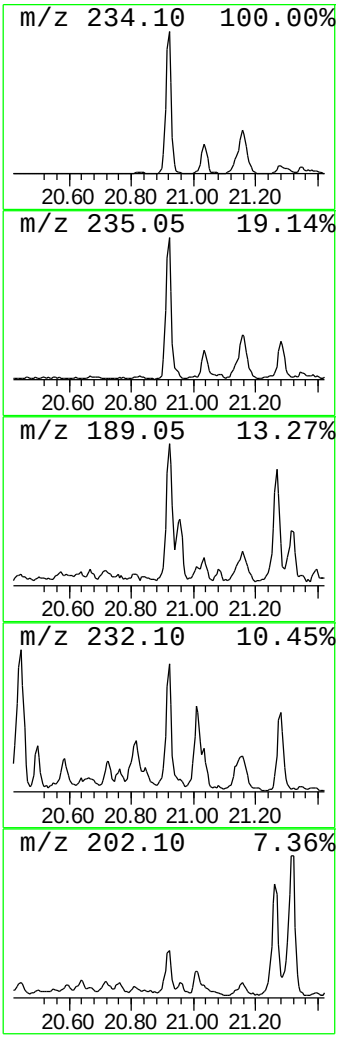
Peak Number 15 Anthra(2,3-b)thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.12 ng/ul	2481970	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
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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TIC Integration Parameters: LSCINT.P

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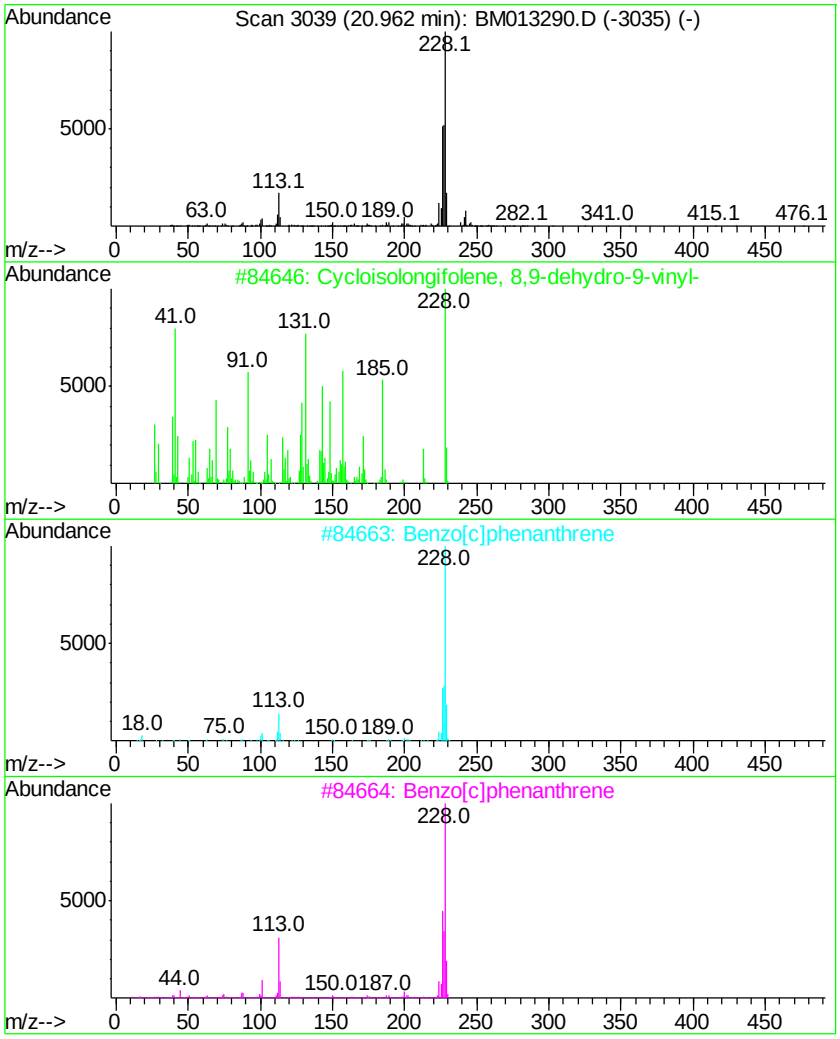
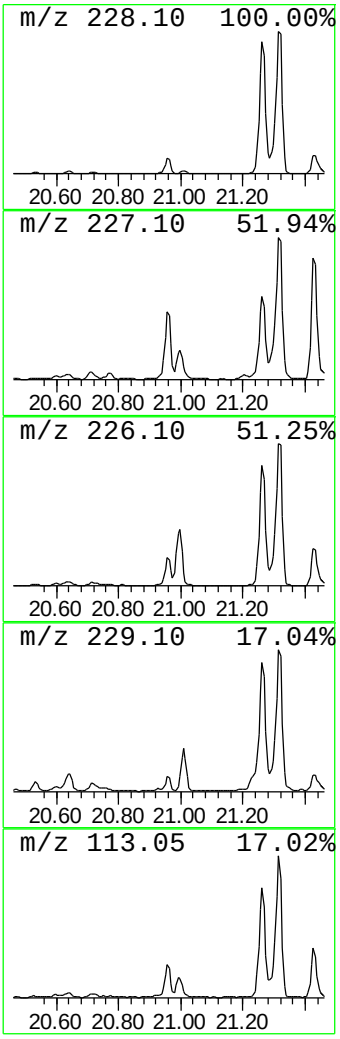
Peak Number 16 Cycloisolongifolene, 8,9-de... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.03 ng/ul	2374850	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	86
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
4	Triphenylene	228	C18H12	000217-59-4	55
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52





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Quant Title : SVOA CALIBRATION

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

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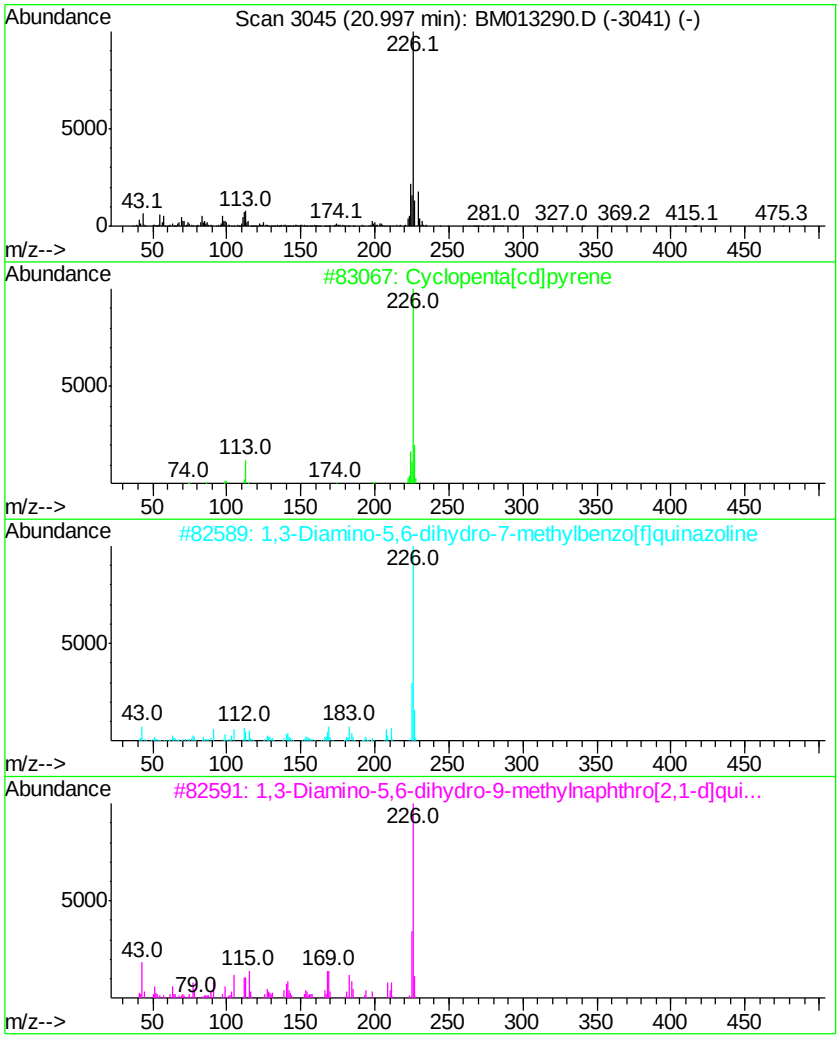
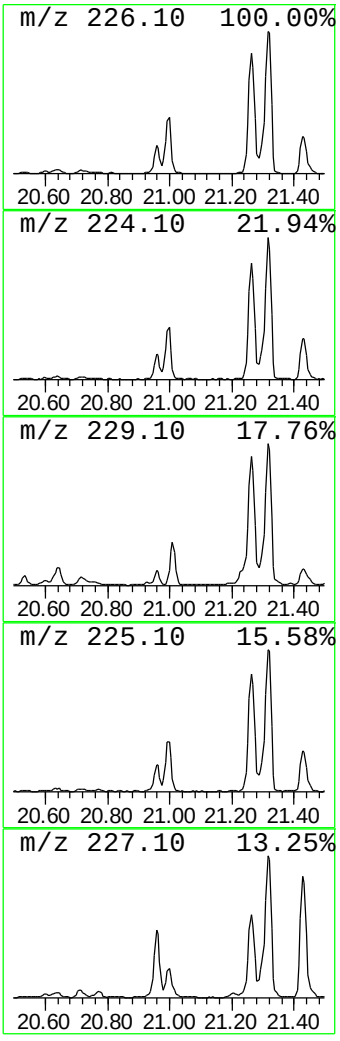
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.44 ng/ul	2856880	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	40
5	1-Isopropoxy-2-phenylmethtylbenzene	226	C16H18O	080227-92-5	40





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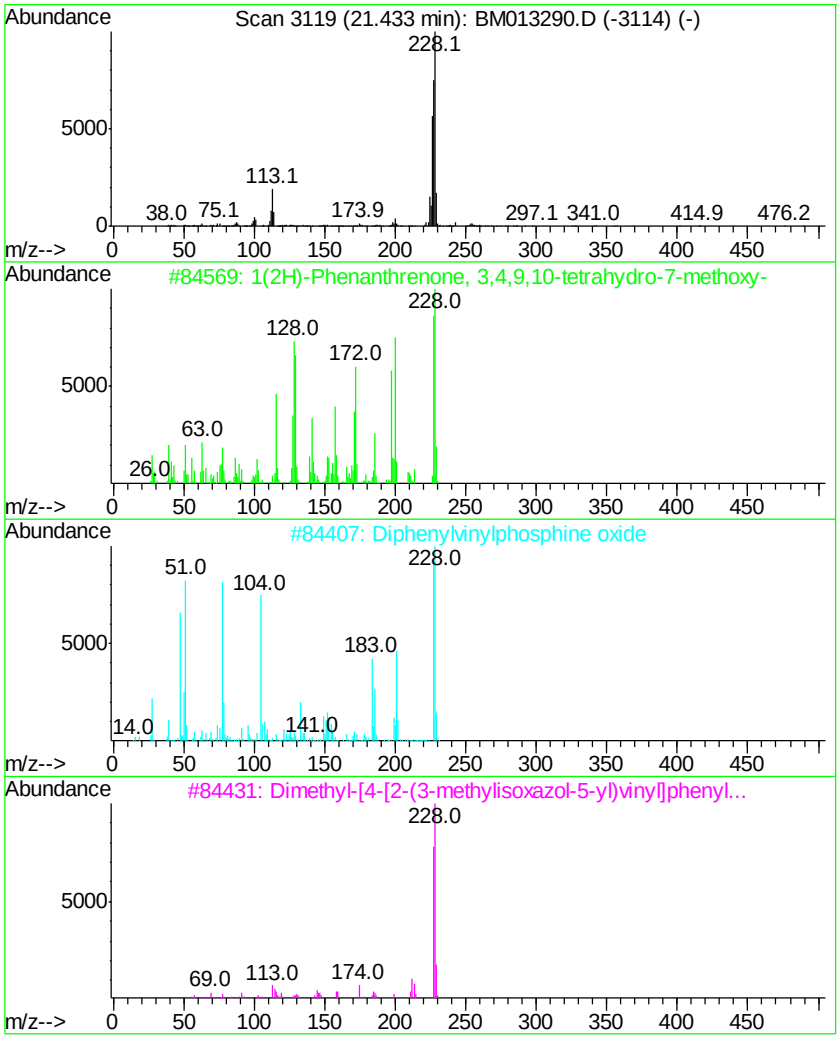
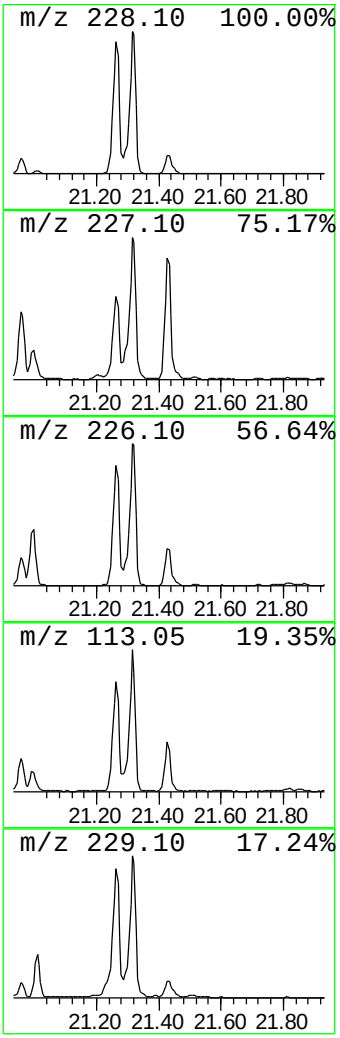
Peak Number 18 1(2H)-Phenanthrenone, 3,4,9... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	3.13 ng/ul	3661430	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	53
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50





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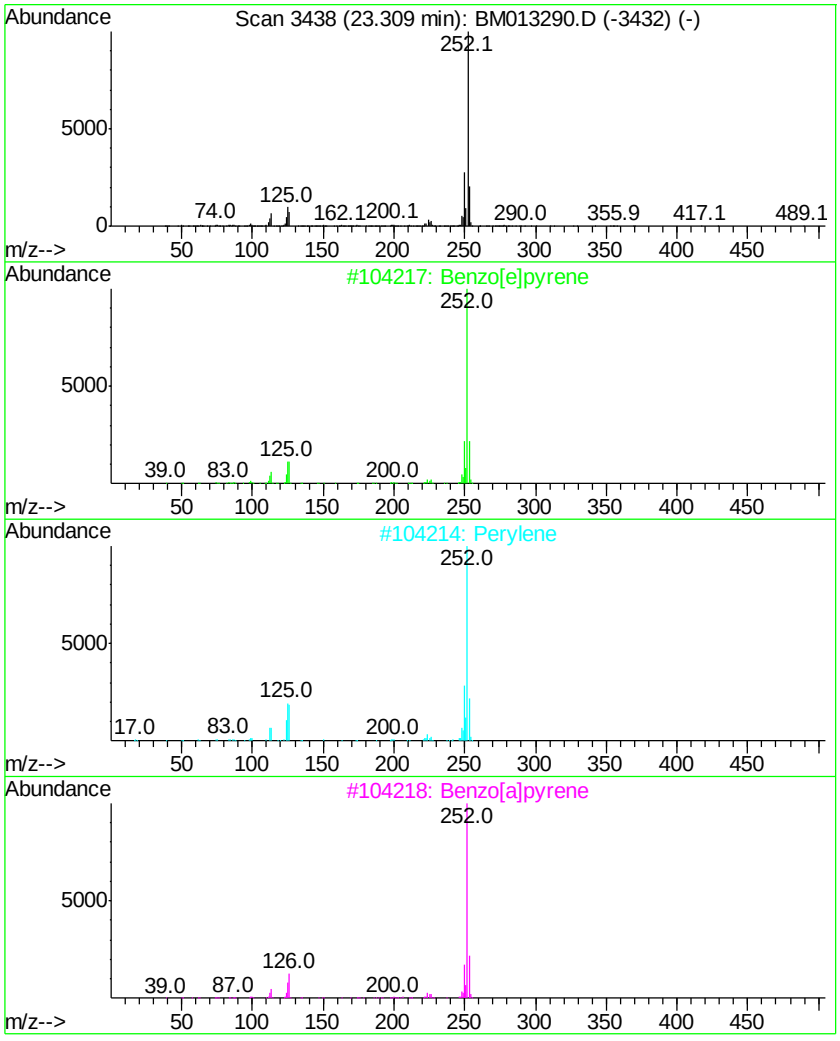
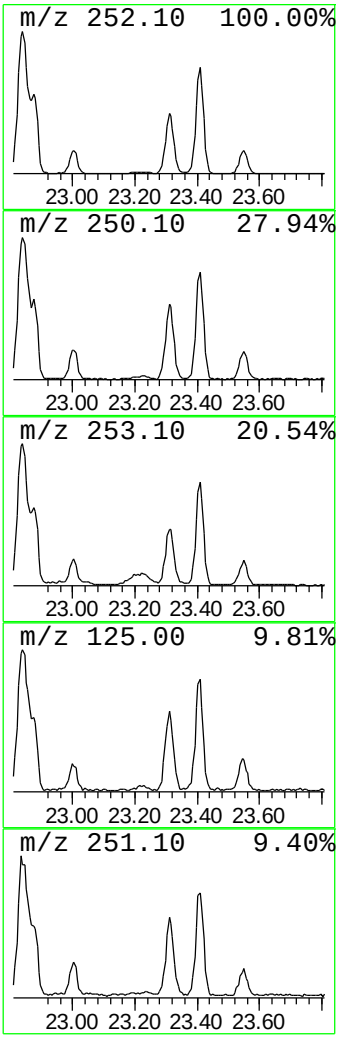
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	13.02 ng/ul	2580680	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

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
Naphthalene, 1,3-...	13.66	10.8	ng/ul	2502990	3	14.34	4653680	20.0
Naphthalene, 2,3-...	13.89	7.8	ng/ul	1823920	3	14.34	4653680	20.0
1-Isopropenylnaph...	14.65	9.6	ng/ul	2234310	3	14.34	4653680	20.0
1,1'-Biphenyl, 3-...	15.55	19.2	ng/ul	4460130	3	14.34	4653680	20.0
Diphenylmethane	15.64	11.6	ng/ul	2691470	3	14.34	4653680	20.0
Dibenzofuran, 4-m...	15.68	22.1	ng/ul	5132820	3	14.34	4653680	20.0
4H-Cyclopenta[def...	18.16	2.9	ng/ul	19891600	4	17.09	138131000	20.0
Phenaleno[1,9-bc]...	19.39	3.1	ng/ul	3680570	5	21.28	23397000	20.0
Benzo[kl]xanthene	19.59	2.4	ng/ul	2848540	5	21.28	23397000	20.0
Benzo(b)naphtho(1...	19.69	3.0	ng/ul	3467060	5	21.28	23397000	20.0
Pyrene, 1-methyl-	19.83	4.1	ng/ul	4794080	5	21.28	23397000	20.0
11H-Benzo[b]fluorene	20.01	8.2	ng/ul	9643620	5	21.28	23397000	20.0
Anthra(2,3-b)thio...	20.92	2.1	ng/ul	2481970	5	21.28	23397000	20.0
Cycloisolongifole...	20.96	2.0	ng/ul	2374850	5	21.28	23397000	20.0
Cyclopenta[cd]pyrene	21.00	2.4	ng/ul	2856880	5	21.28	23397000	20.0
1(2H)-Phenanthren...	21.43	3.1	ng/ul	3661430	5	21.28	23397000	20.0
Benzo[e]pyrene	23.31	13.0	ng/ul	2580680	6	23.50	3963560	20.0