LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062317\
Data File : BM010706.D
Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

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-BM062017.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	6.675	631	644	655	rVB2	1013132	2073598	1.79%	0.287%
2	7.828	834	840	847	rVB	845187	1260146	1.08%	0.175%
3	7.987	859	867	875	rVB	854052	1347203	1.16%	0.187%
4	8.240	903	910	916	rVB	2106896	3602792	3.10%	0.499%
5	9.428	1105	1112	1115	rBV	776698	1379713	1.19%	0.191%
6	9.746	1161	1166	1176	rVB2	842400	1495710	1.29%	0.207%
7	10.328	1243	1265	1269	rBV2	36978165	91621951	78.88%	12.688%
8	10.410	1269	1279	1288	rVB	2180056	4065991	3.50%	0.563%
9	11.922	1522	1536	1541	rBV	19315135	33254990	28.63%	4.605%
10	11.998	1541	1549	1560	rVB2	2053294	4006598	3.45%	0.555%
11	12.139	1560	1573	1579	rBV	9098462	14381832	12.38%	1.992%
12	12.275	1589	1596	1601	rBV	811593	1277660	1.10%	0.177%
13	12.939	1699	1709	1716	rBV	4138329	6180038	5.32%	0.856%
14	13.134	1737	1742	1753	rVB	1440843	2689188	2.32%	0.372%
15	13.275	1753	1766	1767	rBV	2374046	3763767	3.24%	0.521%
16	13.434	1783	1793	1798	rBV	3477572	6343173	5.46%	0.878%
17	13.492	1798	1803	1808	rVV	2513089	3775028	3.25%	0.523%
18	13.669	1828	1833	1837	rBV	1401245	2266452	1.95%	0.314%
19	13.804	1850	1856	1858	rBV	968077	1394890	1.20%	0.193%
20	13.833	1858	1861	1870	rVB	1106092	1575388	1.36%	0.218%
21	14.110	1900	1908	1914	rBV2	2329759	3813794	3.28%	0.528%
22	14.198	1914	1923	1929	rVV	19169663	30715790	26.44%	4.254%
23	14.257	1929	1933	1939	rVB	901974	1275272	1.10%	0.177%
24	14.333	1939	1946	1955	rBV	881194	1749834	1.51%	0.242%
25	14.433	1955	1963	1968	rVB3	857306	1747736	1.50%	0.242%
26	14.533	1968	1980	1986	rBV	15571632	24027332	20.69%	3.327%
27	14.598	1986	1991	1996	rBV	837138	1163546	1.00%	0.161%
28	14.745	2005	2016	2020	rBV2	632644	1202957	1.04%	0.167%
29	15.116	2074	2079	2084	rVV3	1401415	2479578	2.13%	0.343%
30	15.192	2084	2092	2101	rVV	19423618	31244716	26.90%	4.327%
31	15.275	2101	2106	2108	rVV2	1094394	1649459	1.42%	0.228%
32	15.304	2108	2111	2113	rVV	1218959	1626591	1.40%	0.225%
33	15.339	2113	2117	2122	rVV	2223452	3285372	2.83%	0.455%
34	15.428	2128	2132	2135	rVV	1128513	1670841	1.44%	0.231%

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Operator : SJ/JU
Sample : I3625-15
Misc :
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Instrument : BNA_M
ClientSampleId : F5C82

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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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

35	15.475	2135	2140	2149	rVB	3185056	4562542	3.93%	0.632%
36	15.622	2156	2165	2173	rVB	3408903	6834830	5.88%	0.947%
37	16.080	2231	2243	2247	rBV6	551988	1980548	1.71%	0.274%
38	16.180	2249	2260	2266	rVV3	3148563	9185535	7.91%	1.272%
39	16.327	2280	2285	2290	rVB2	916301	1573044	1.35%	0.218%
40	16.610	2328	2333	2339	rBV	1176412	2160152	1.86%	0.299%
41	16.692	2339	2347	2353	rBV	4110237	6131731	5.28%	0.849%
42	16.963	2370	2393	2396	rBV2	50556716	116157230	100.00%	16.086%
43	16.992	2396	2398	2400	rVV	1753958	1990128	1.71%	0.276%
44	17.027	2400	2404	2408	rVV	10755135	12789604	11.01%	1.771%
45	17.286	2443	2448	2452	rBV	3786538	5103078	4.39%	0.707%
46	17.451	2471	2476	2485	rVB3	685585	1481181	1.28%	0.205%
47	17.757	2517	2528	2532	rBV	4516035	7132248	6.14%	0.988%
48	17.804	2532	2536	2542	rVV	7178238	9311379	8.02%	1.289%
49	17.886	2543	2550	2555	rVV	2573128	3949663	3.40%	0.547%
50	17.957	2555	2562	2565	rVV2	8627740	14063694	12.11%	1.948%
51	17.986	2565	2567	2573	rVV	2401688	2652404	2.28%	0.367%
52	18.263	2609	2614	2618	rVB	3448720	4566995	3.93%	0.632%
53	18.504	2647	2655	2660	rBV	765266	1290812	1.11%	0.179%
54	18.557	2660	2664	2667	rVV	894809	1185288	1.02%	0.164%
55	18.592	2667	2670	2675	rVB3	1073772	1507631	1.30%	0.209%
56	18.680	2679	2685	2690	rVV	1465296	2740913	2.36%	0.380%
57	18.745	2691	2696	2700	rVV	1180590	2231192	1.92%	0.309%
58	18.839	2705	2712	2718	rVB5	654306	1605301	1.38%	0.222%
59	18.980	2725	2736	2740	rBV2	34984700	68077590	58.61%	9.428%
60	19.192	2768	2772	2778	rBV	1072049	1371109	1.18%	0.190%
61	19.339	2784	2797	2802	rBV3	25017074	56453160	48.60%	7.818%
62	19.392	2802	2806	2813	rVB2	1449630	2292757	1.97%	0.318%
63	19.498	2813	2824	2830	rBV	1922906	3061043	2.64%	0.424%
64	19.651	2842	2850	2855	rBV2	1473060	3877668	3.34%	0.537%
65	19.774	2867	2871	2874	rBV3	1194640	1963722	1.69%	0.272%
66	19.821	2874	2879	2883	rVB	5209706	6844920	5.89%	0.948%
67	19.921	2891	2896	2900	rBV	5393436	6778418	5.84%	0.939%
68	19.974	2900	2905	2909	rVV2	2101514	3472091	2.99%	0.481%
69	20.163	2932	2937	2941	rVV2	872292	1305751	1.12%	0.181%
70	20.527	2994	2999	3004	rBV	701064	1239138	1.07%	0.172%
71	20.733	3029	3034	3037	rBV	1510397	1863584	1.60%	0.258%

LSC Area Percent Report

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Operator : SJ/JU
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Instrument : BNA_M
ClientSampleId : F5C82

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
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
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72	20.774	3037	3041	3044	rVV	1632268	2158145	1.86%	0.299%
73	21.080	3082	3093	3098	rBV3	10515511	17467135	15.04%	2.419%
74	21.133	3098	3102	3108	rVB	6689402	8639797	7.44%	1.196%
75	21.245	3117	3121	3127	rBV	1832810	2281744	1.96%	0.316%
76	21.398	3142	3147	3152	rBV2	857691	1430468	1.23%	0.198%
77	21.627	3180	3186	3190	rBV	1006129	1449880	1.25%	0.201%
78	22.598	3344	3351	3356	rBV	2315072	5341447	4.60%	0.740%
79	23.051	3422	3428	3432	rBV	966736	1621838	1.40%	0.225%
80	23.098	3432	3436	3439	rVV	698048	1187449	1.02%	0.164%
81	23.139	3439	3443	3450	rVB	1766661	3054820	2.63%	0.423%
82	23.227	3450	3458	3462	rBV	641389	1270007	1.09%	0.176%

Sum of corrected areas: 722099730

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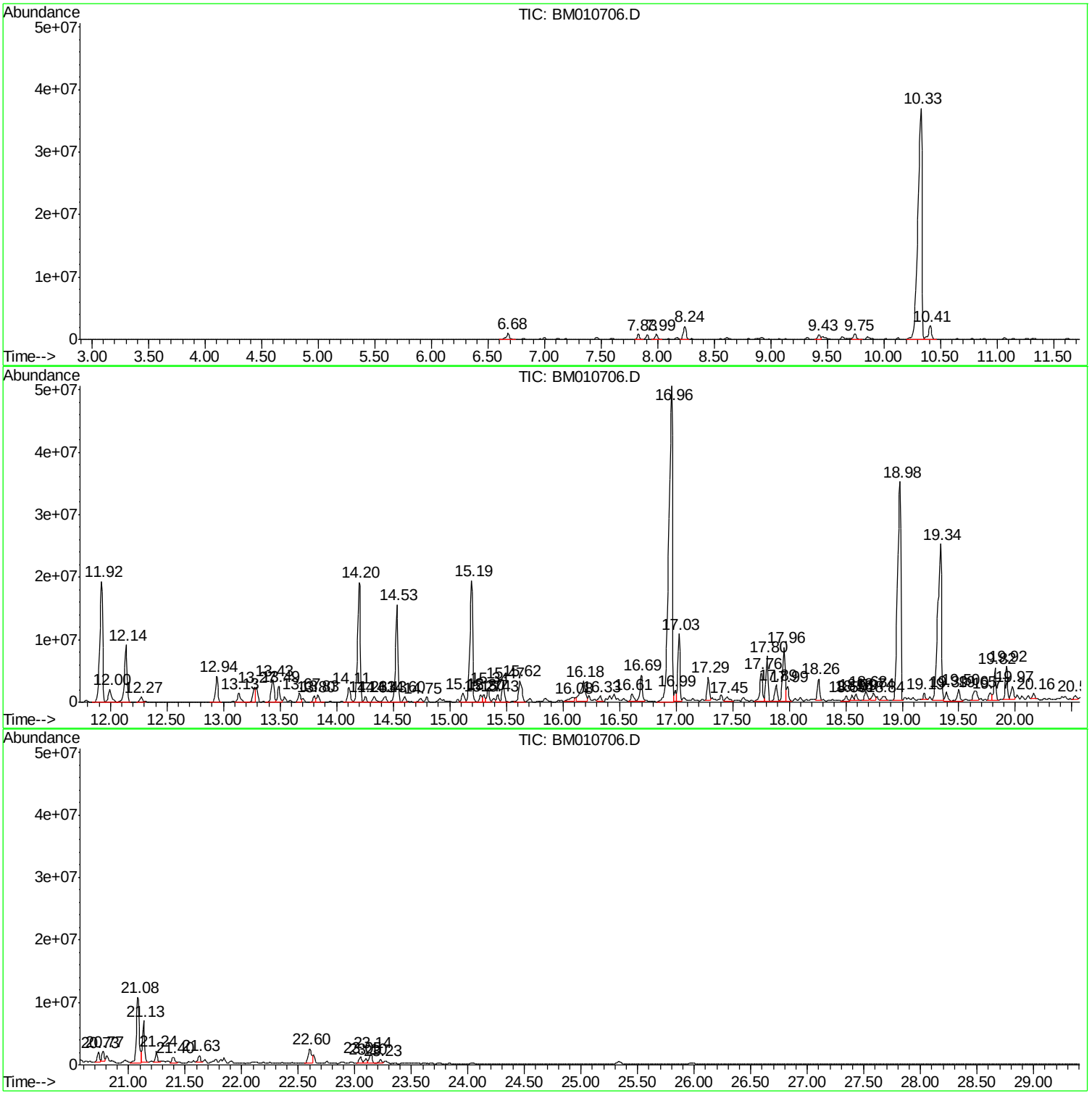
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

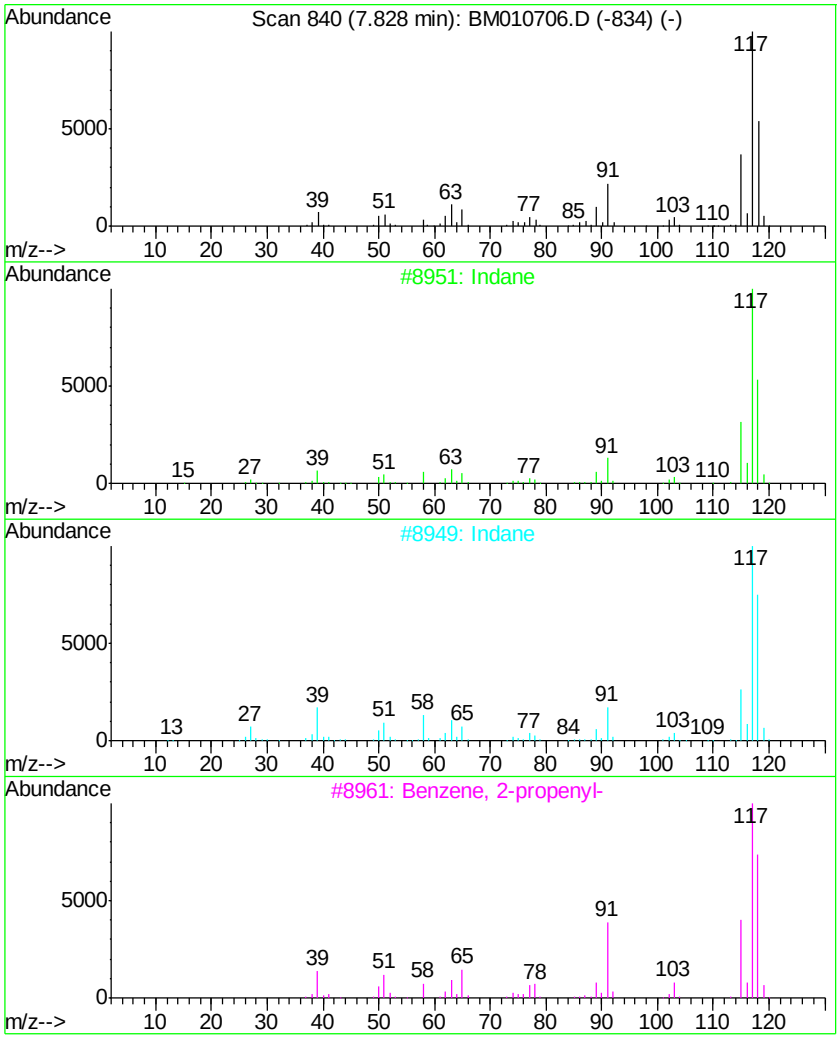
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

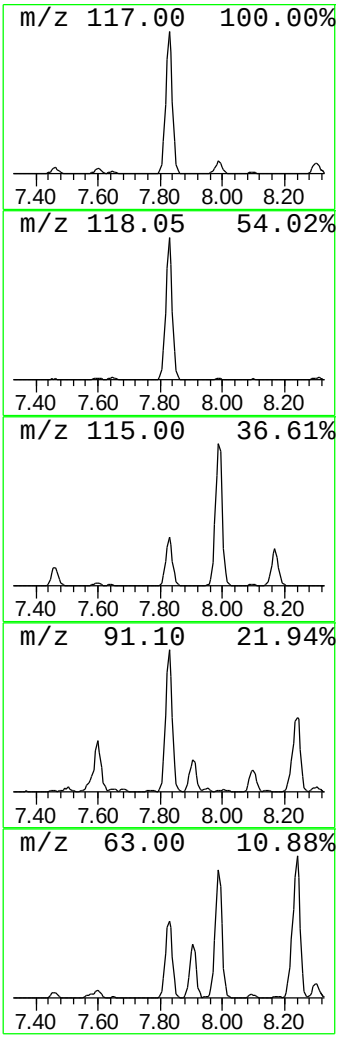
****

Peak Number 1 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	20.00 ng/ul	1260150	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Data Path : Z:\HPCHEM1\BNA_M\Data\BM062317\
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Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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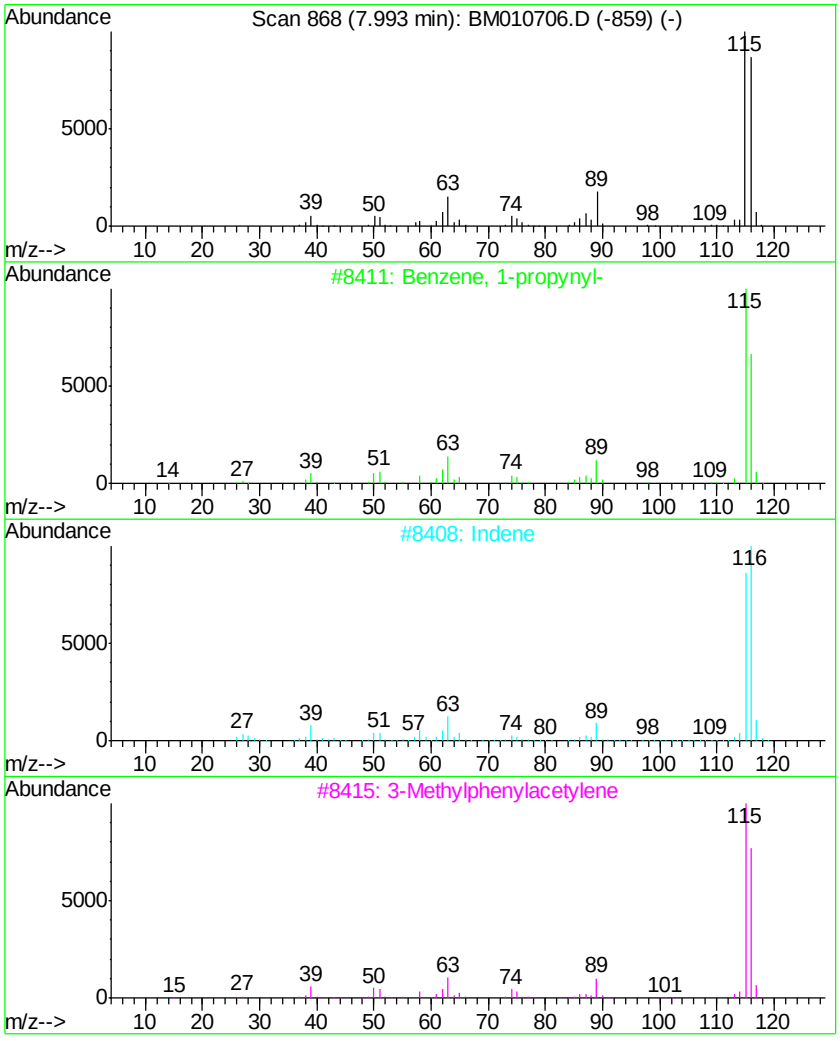
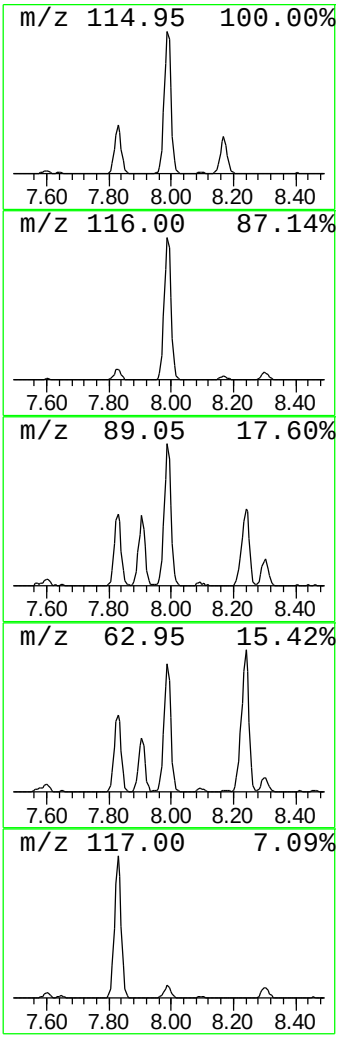
Peak Number 2 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	21.38 ng/ul	1347200	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_M\Data\BM062317\
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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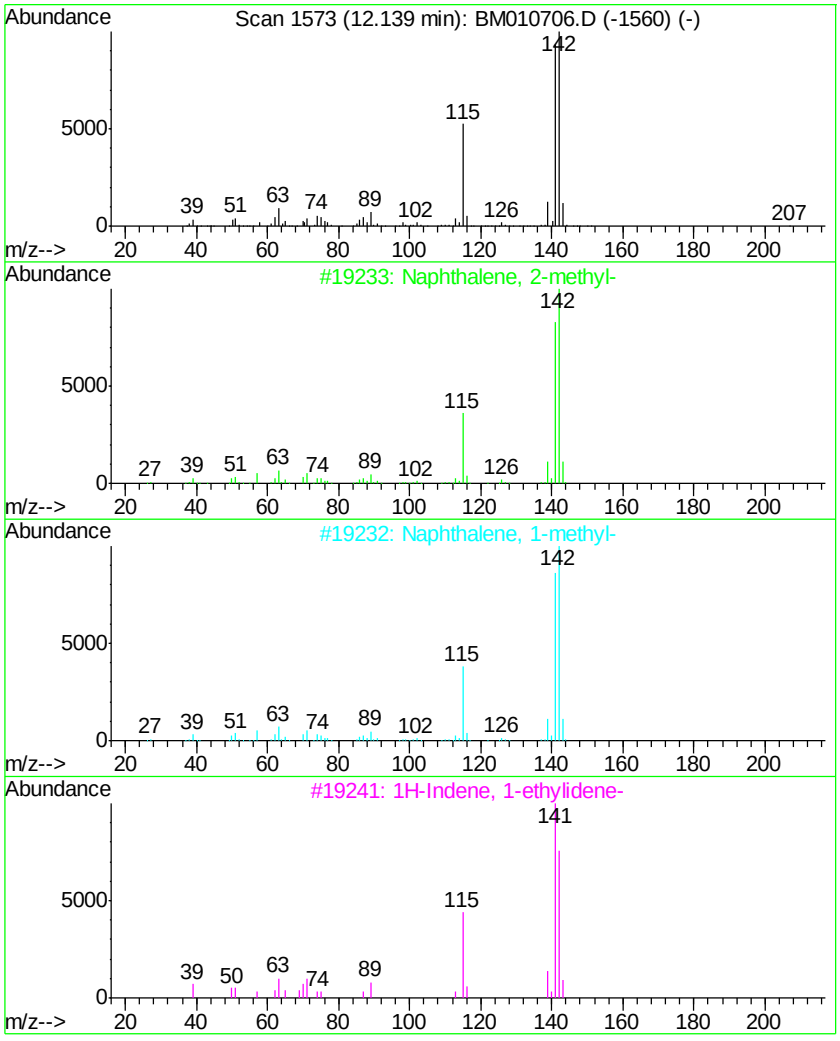
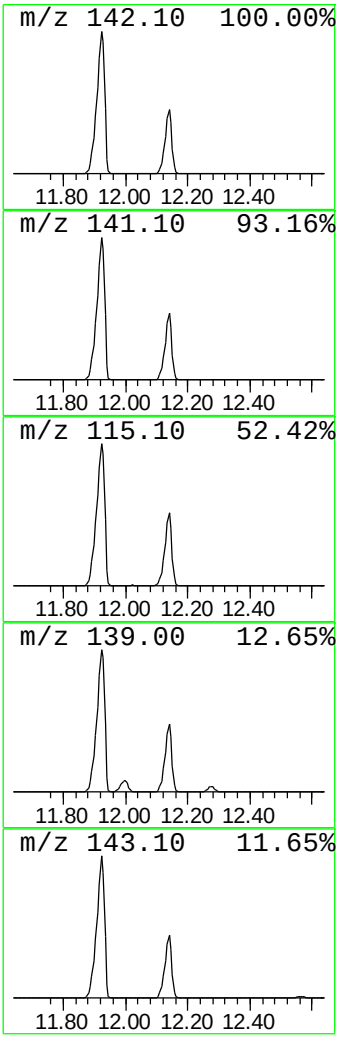
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.14 ng/ul	14381800	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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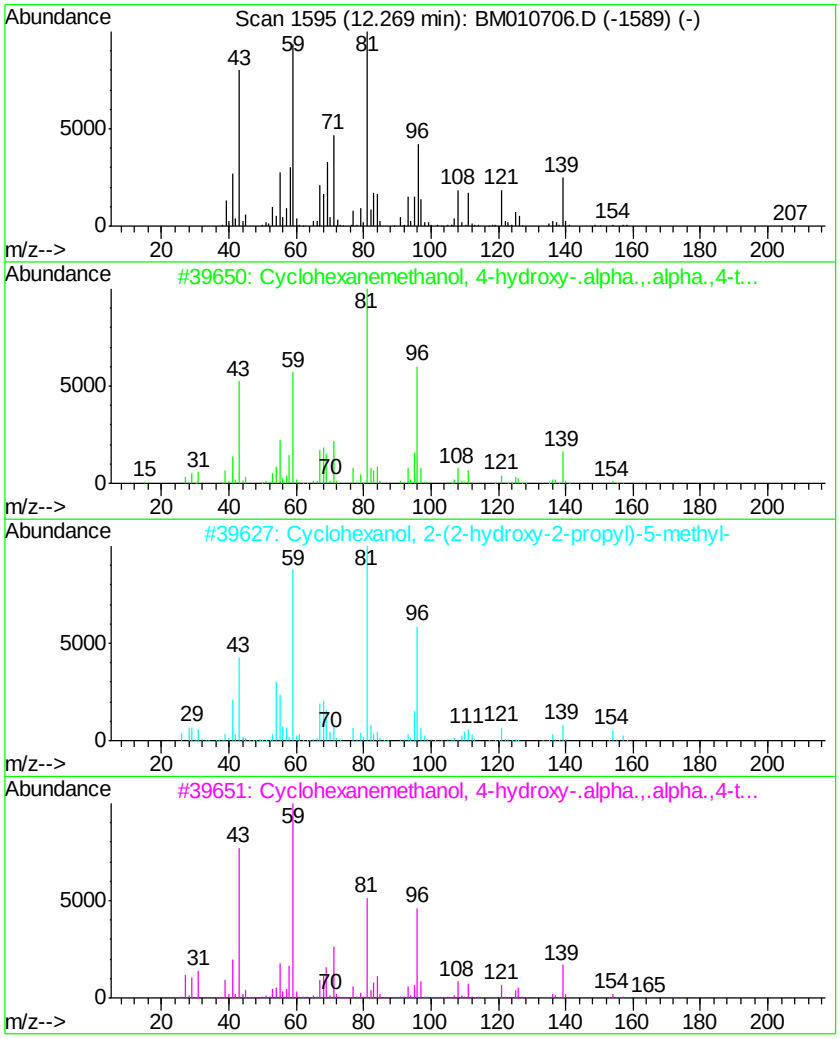
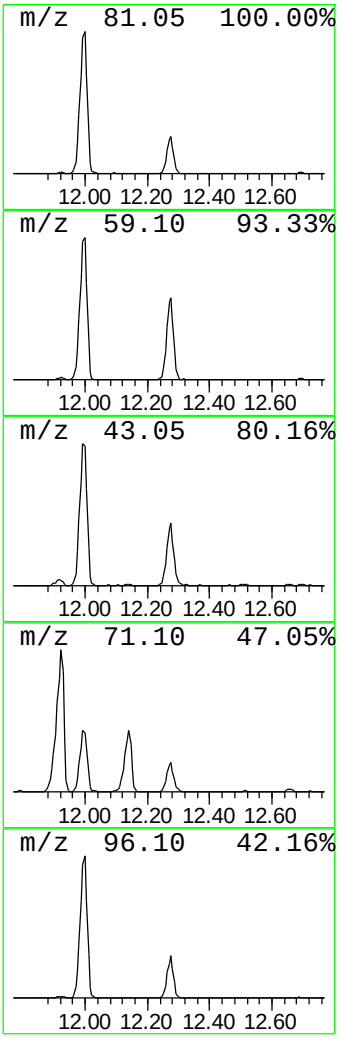
Peak Number 4 Cyclohexanemethanol, 4-hydr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	6.70 ng/ul	1277660	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	64
2	Cyclohexanol, 2-(2-hydroxy-2-pro...	172	C10H20O2	138663-70-4	53
3	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	47
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	42
5	6-Methyl-bicyclo[4.2.0]octan-7-ol	140	C9H16O	1000193-87-3	35





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Sample : I3625-15
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Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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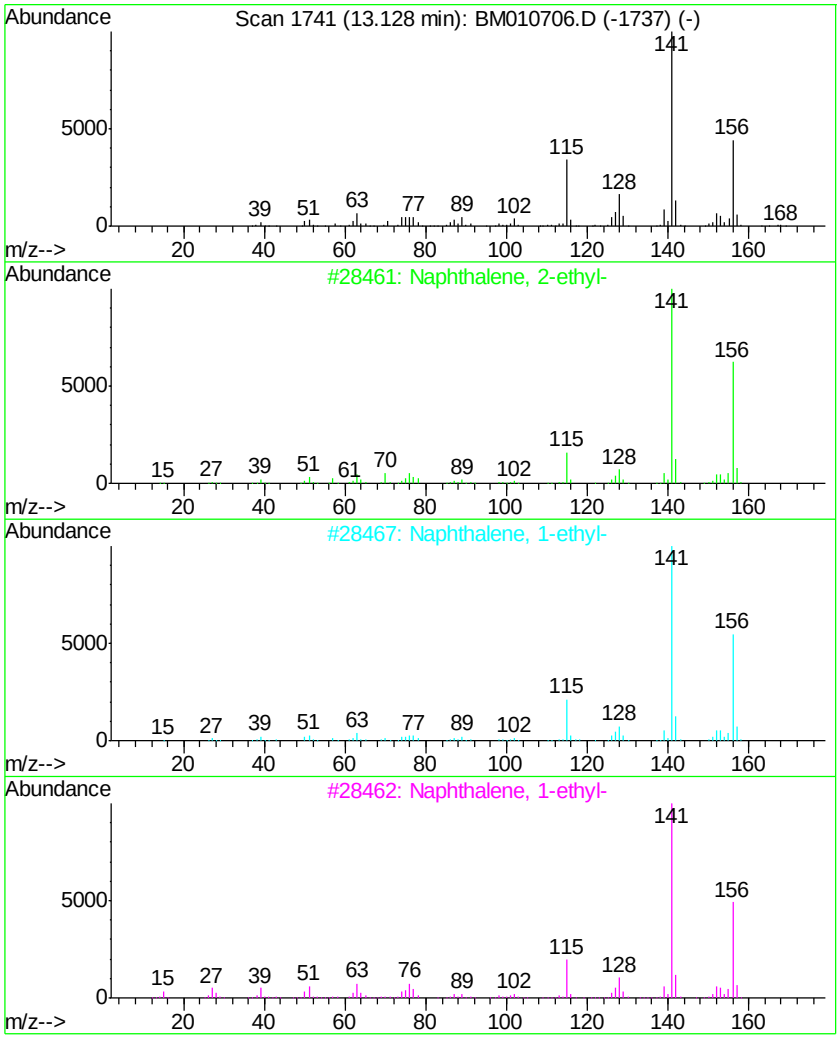
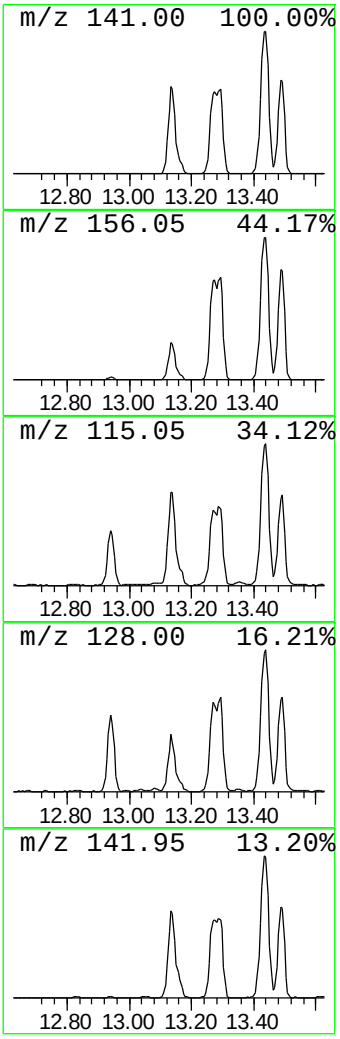
Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	14.10 ng/ul	2689190	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA_M\Data\BM062317\
Data File : BM010706.D
Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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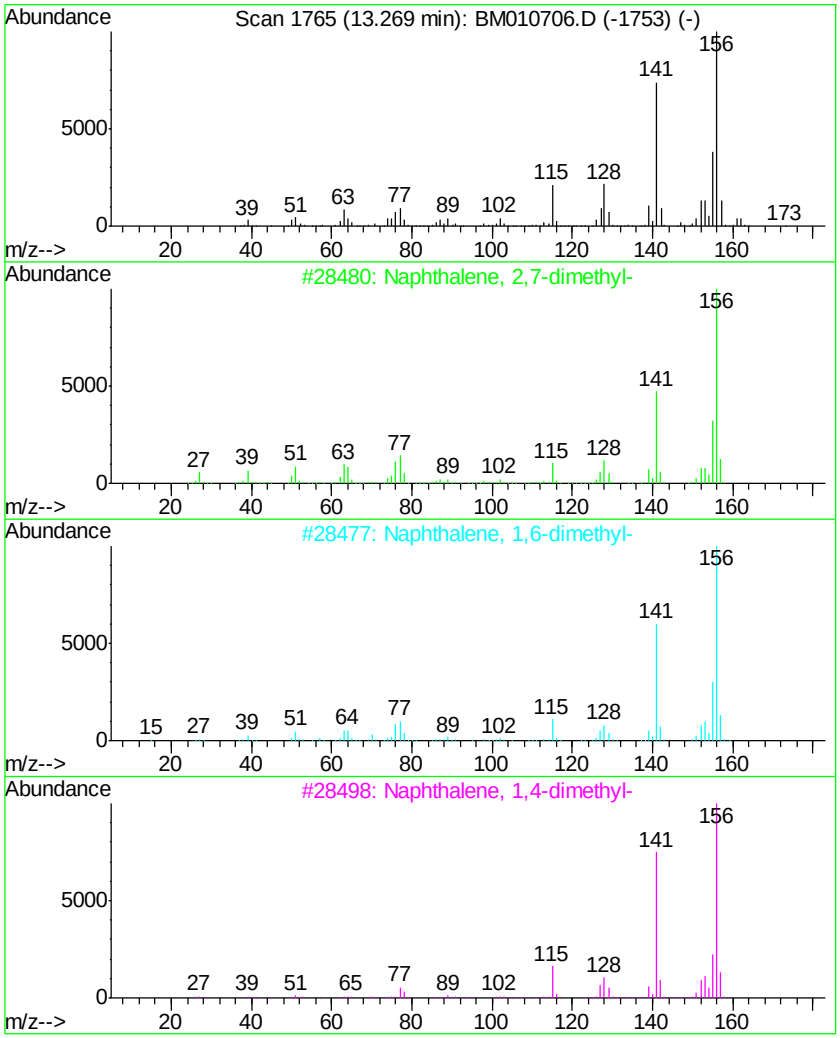
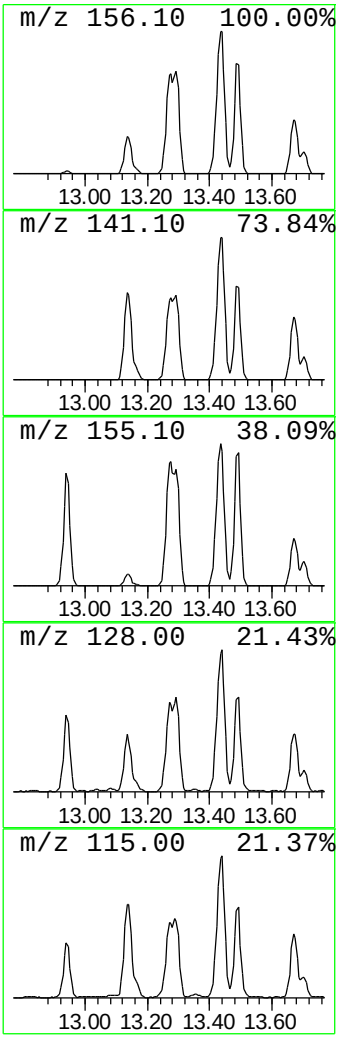
Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	19.74 ng/ul	3763770	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Misc :
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ClientSampleId : F5C82

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Quant Title : SVOA CALIBRATION

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

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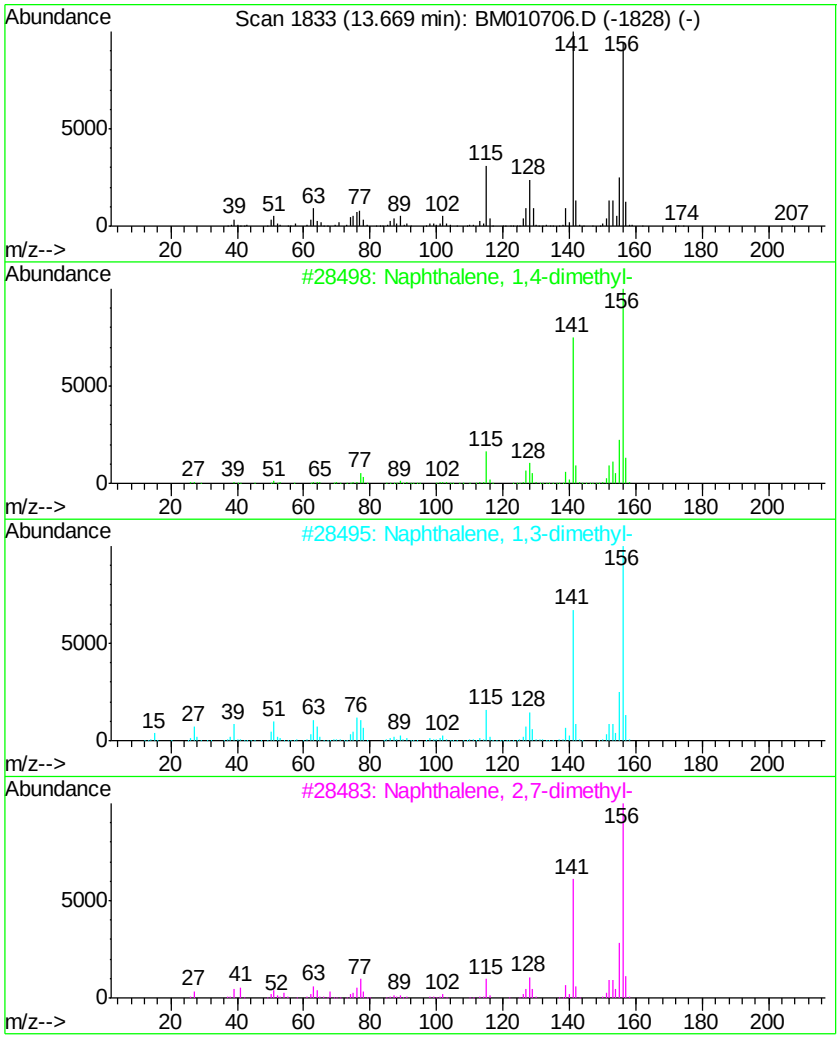
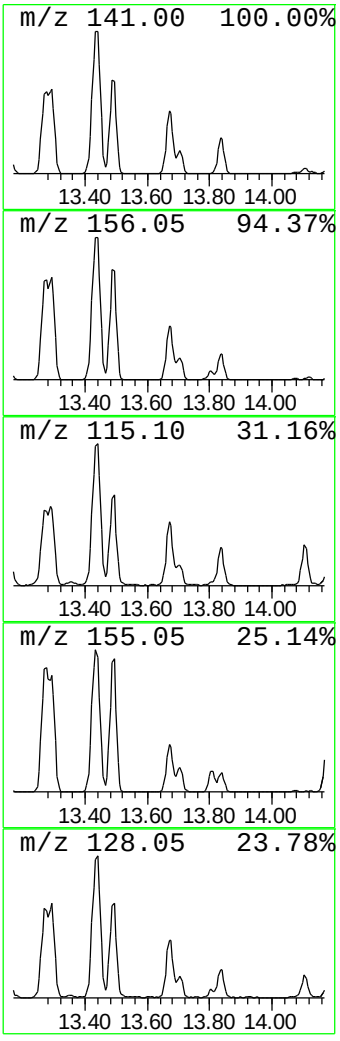
Peak Number 8 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	11.89 ng/ul	2266450	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Quant Title : SVOA CALIBRATION

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

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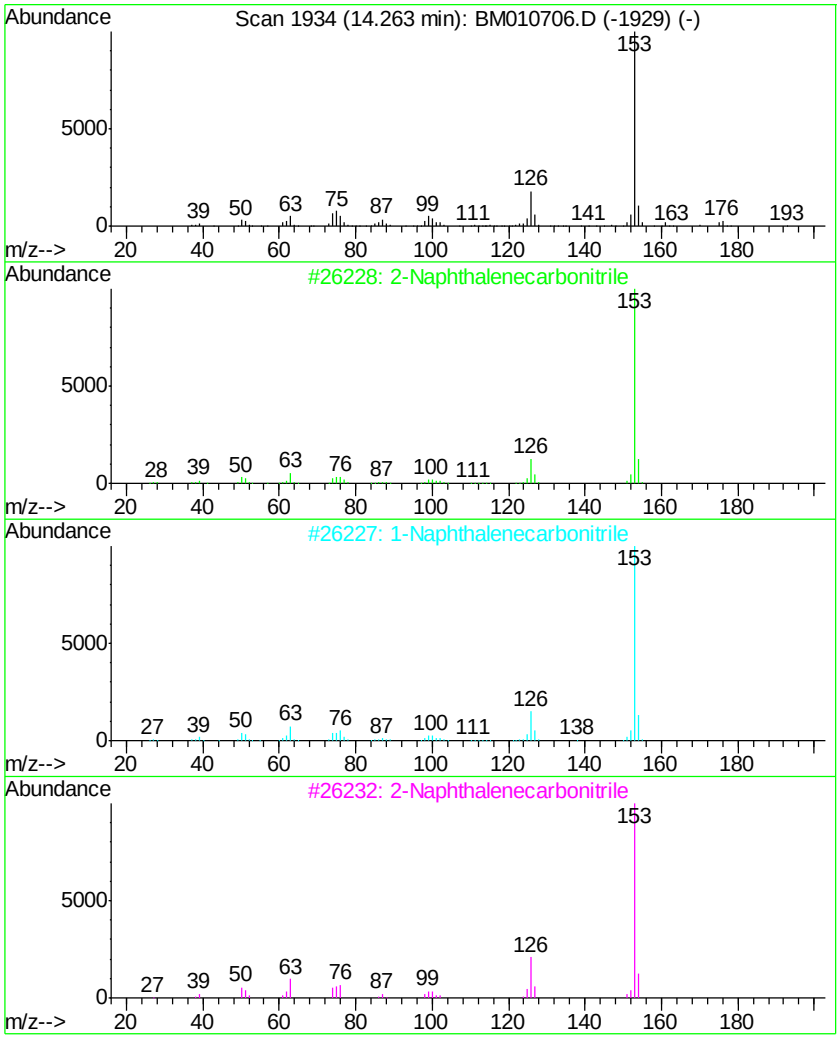
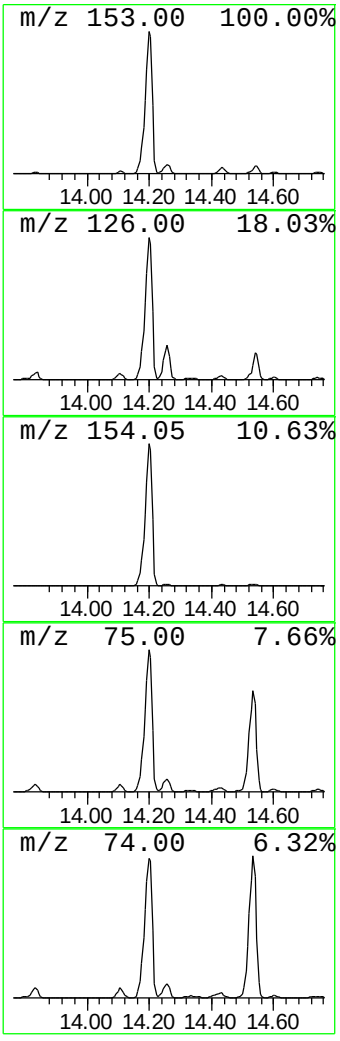
Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	6.69 ng/ul	1275270	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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Quant Title : SVOA CALIBRATION

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

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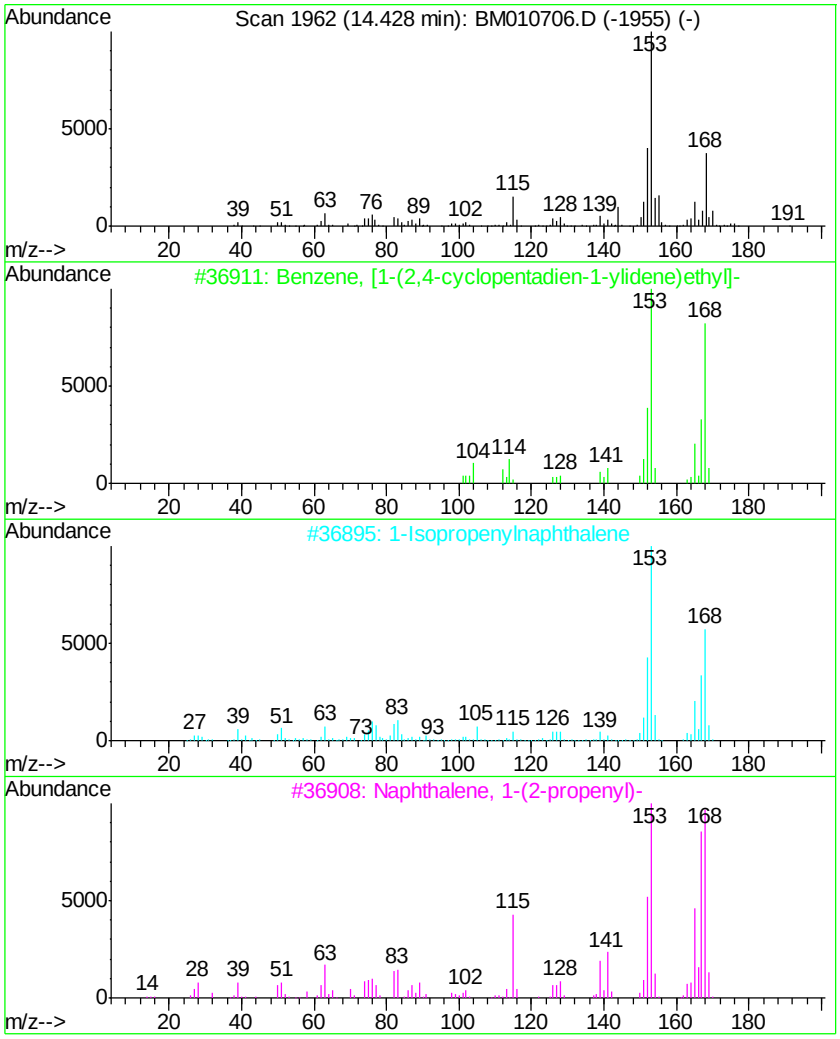
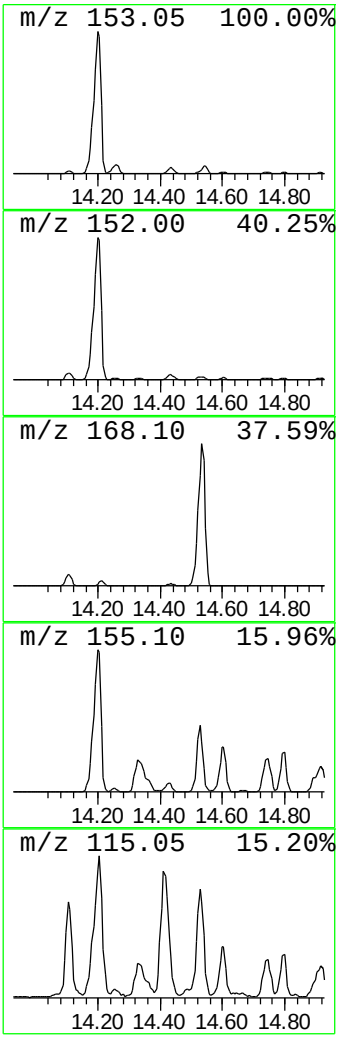
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	9.17 ng/ul	1747740	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	56
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





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Quant Title : SVOA CALIBRATION

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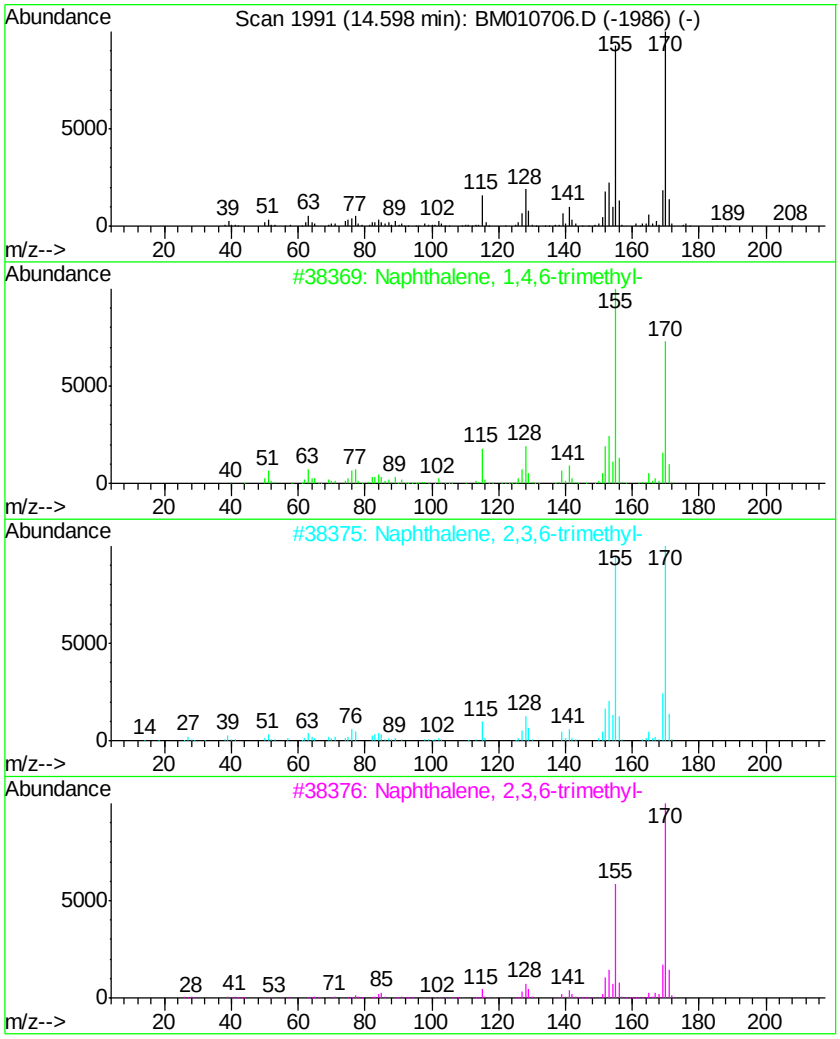
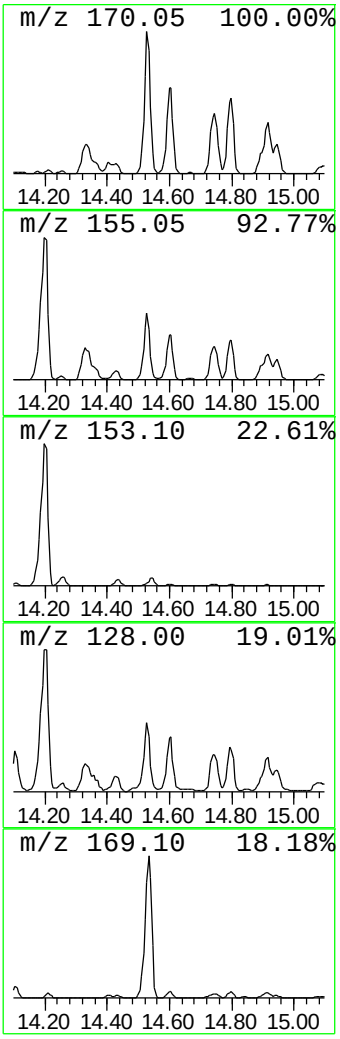
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	6.10 ng/ul	1163550	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97





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Quant Title : SVOA CALIBRATION

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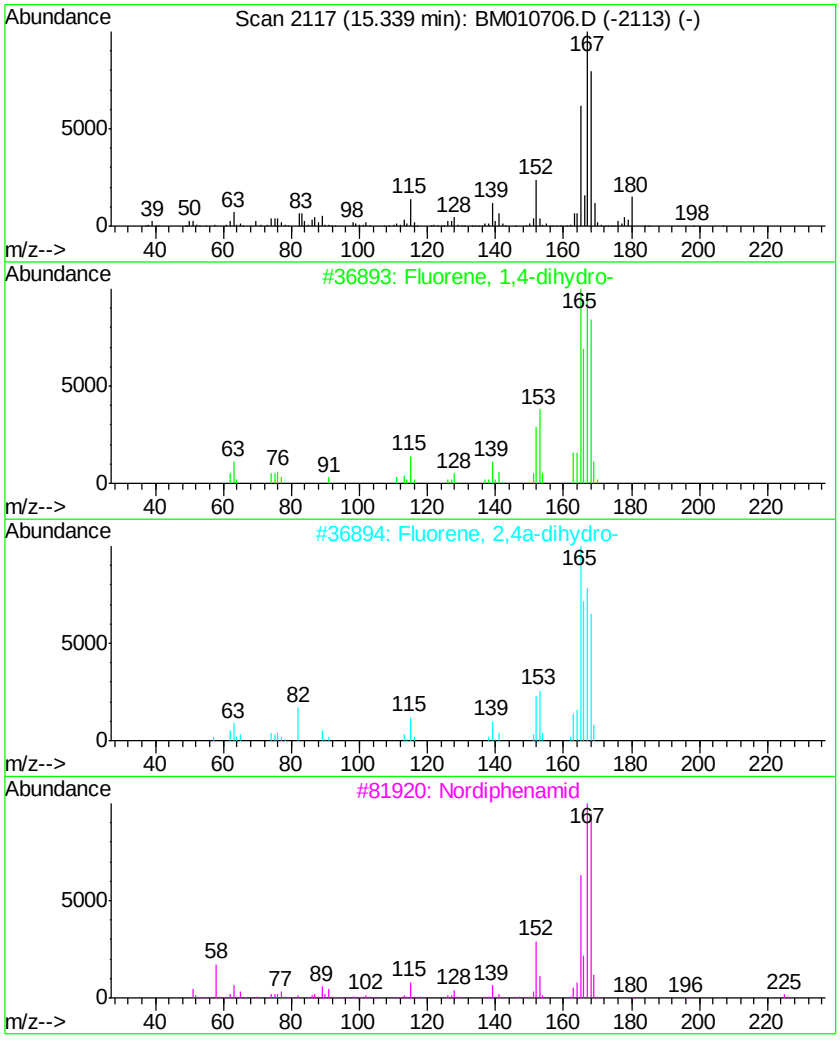
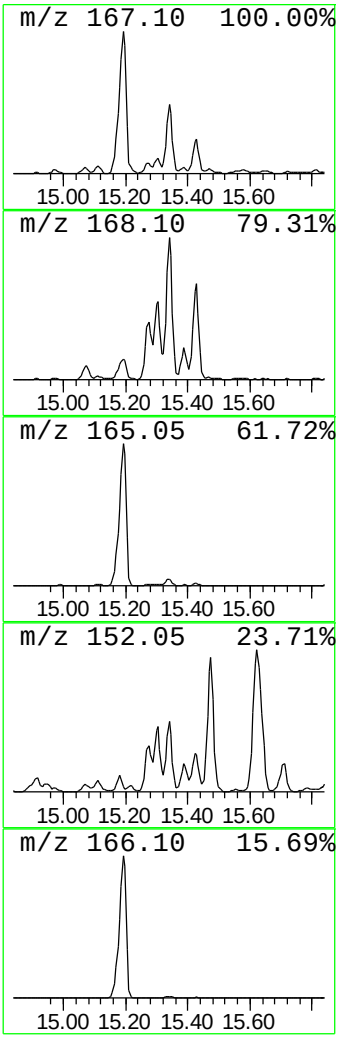
Peak Number 13 Fluorene, 1,4-dihydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	17.23 ng/ul	3285370	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	89
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89
3	Nordiphenamid	225	C15H15NO	000954-21-2	86
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	Diphenylmethane	168	C13H12	000101-81-5	68





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Quant Title : SVOA CALIBRATION

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

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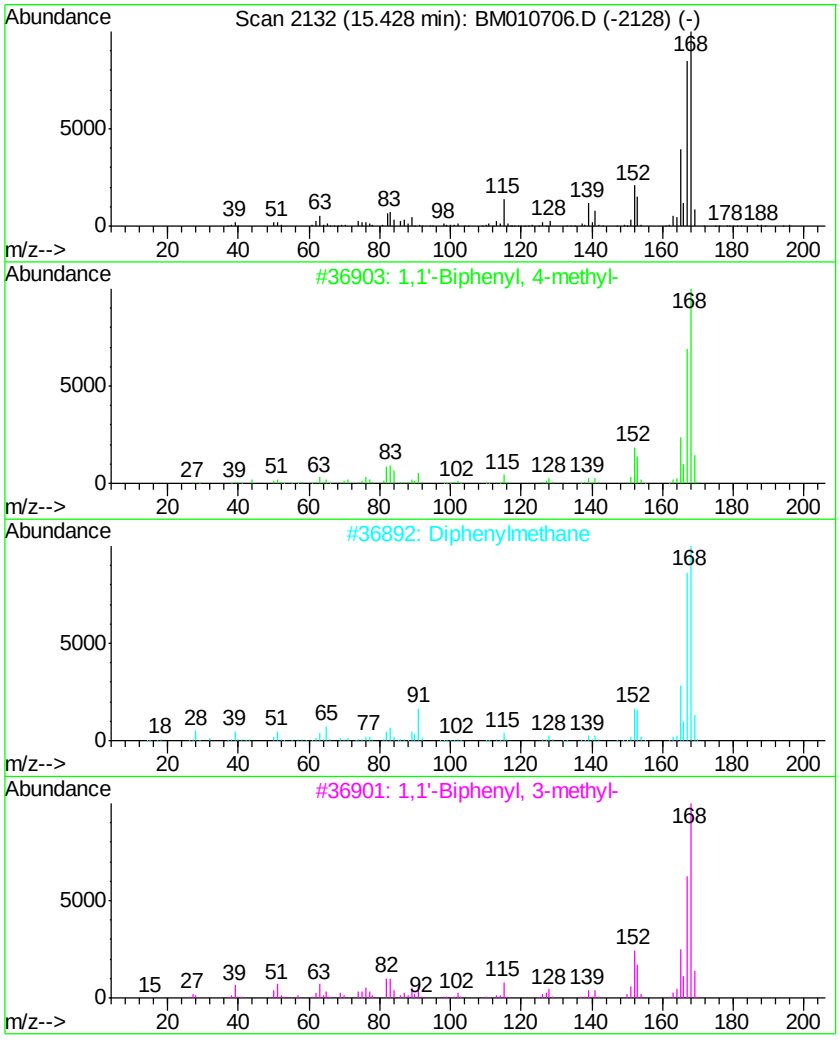
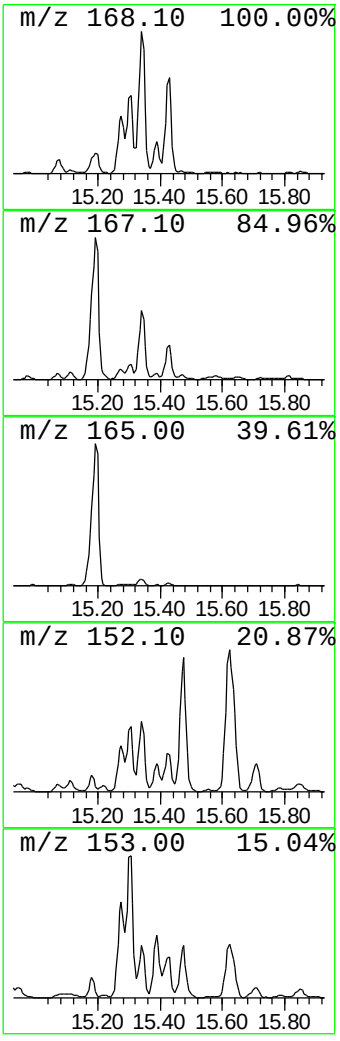
Peak Number 14 1,1'-Biphenyl, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.76 ng/ul	1670840	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





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Quant Title : SVOA CALIBRATION

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

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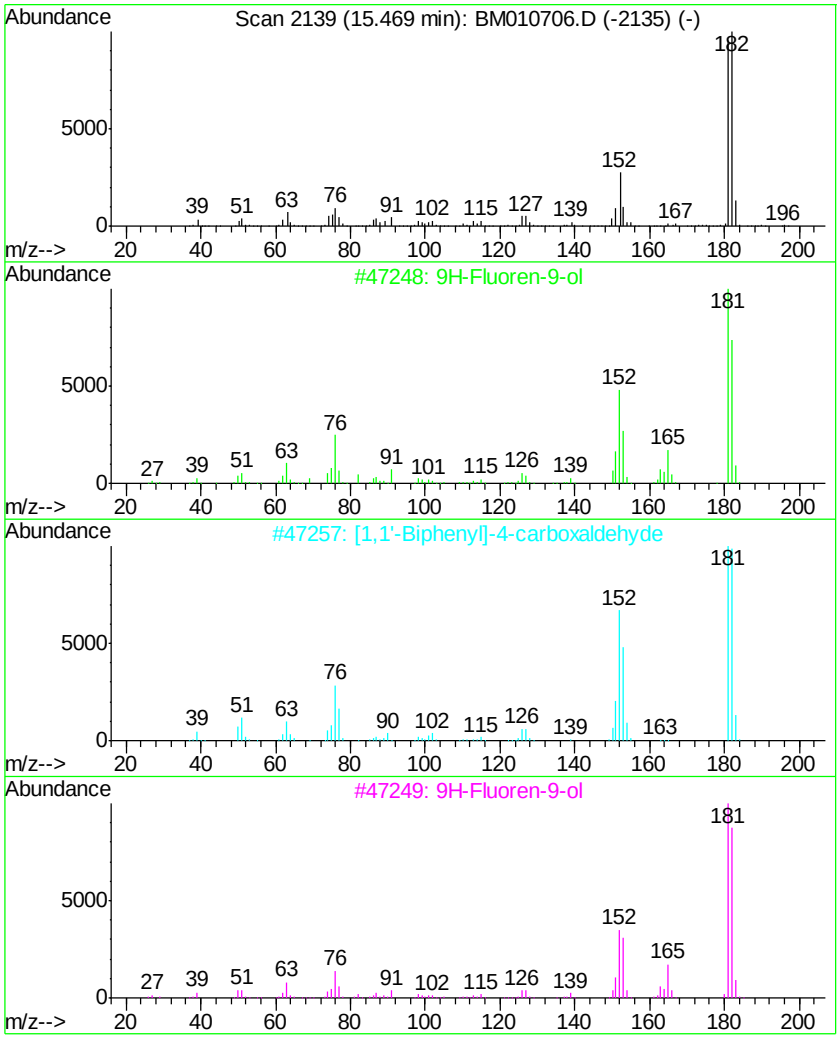
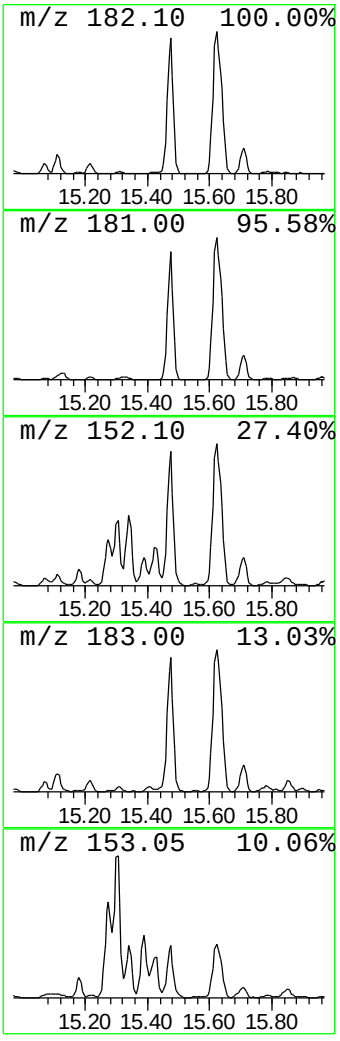
Peak Number 15 9H-Fluoren-9-ol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	23.93 ng/ul	4562540	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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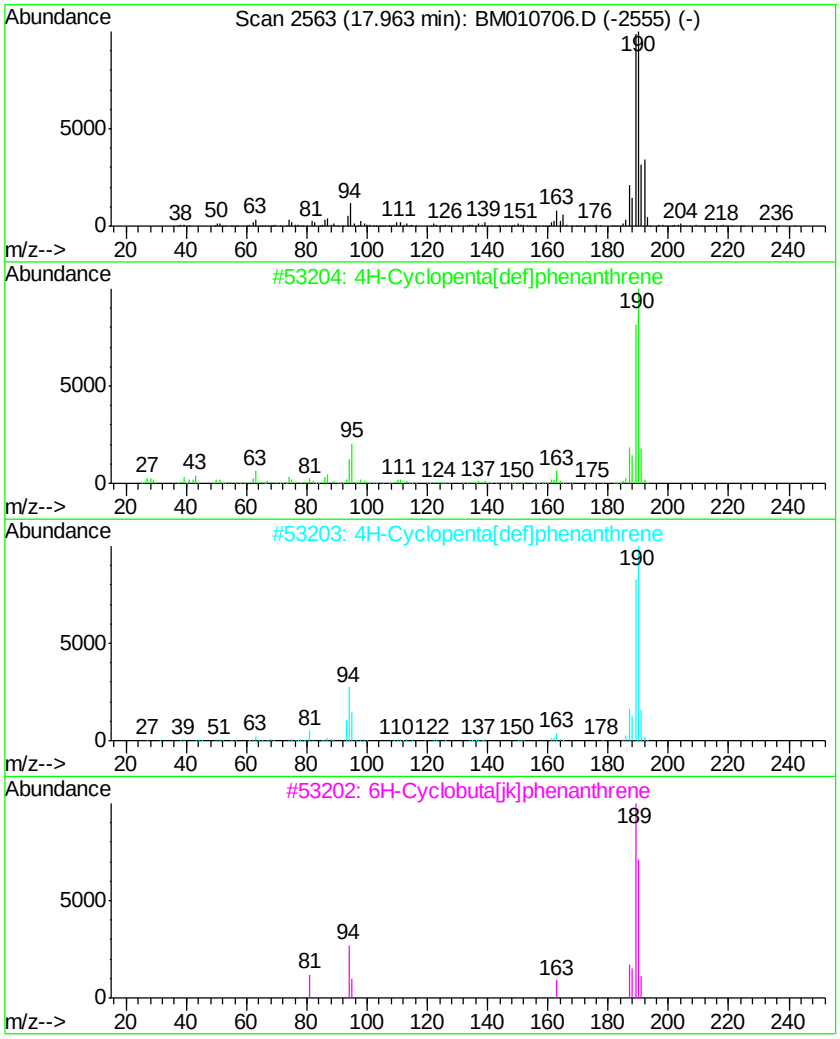
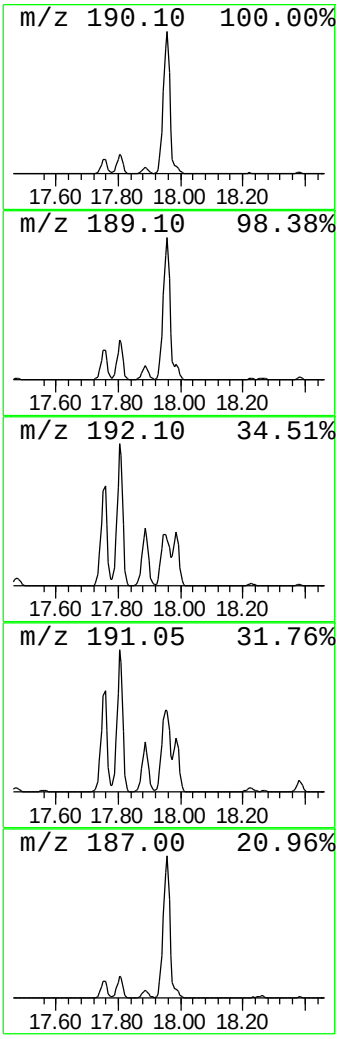
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.42 ng/ul	14063700	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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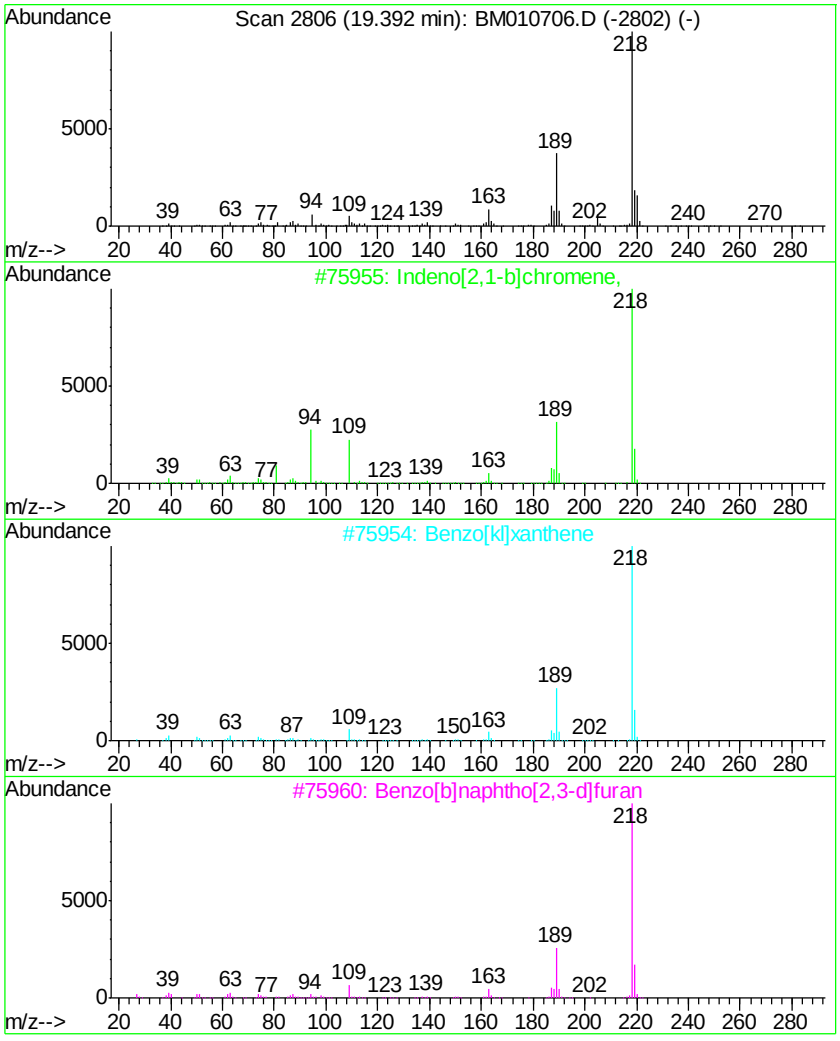
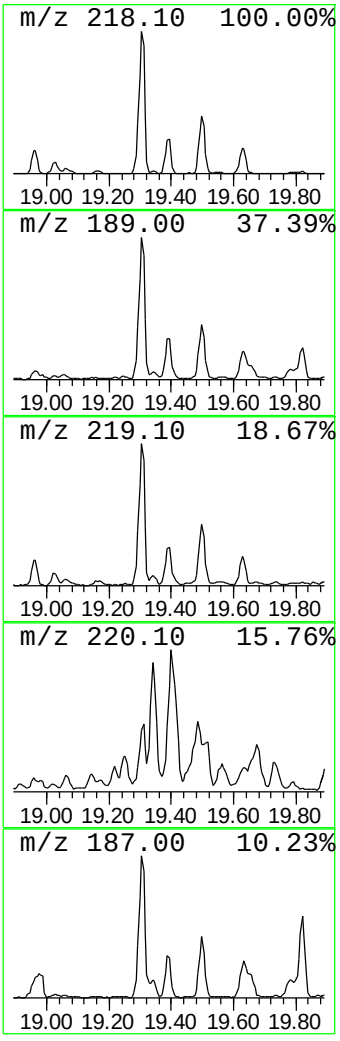
Peak Number 17 Indeno[2,1-b]chromene, Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.63 ng/ul	2292760	Chrysene-d12	21.10

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





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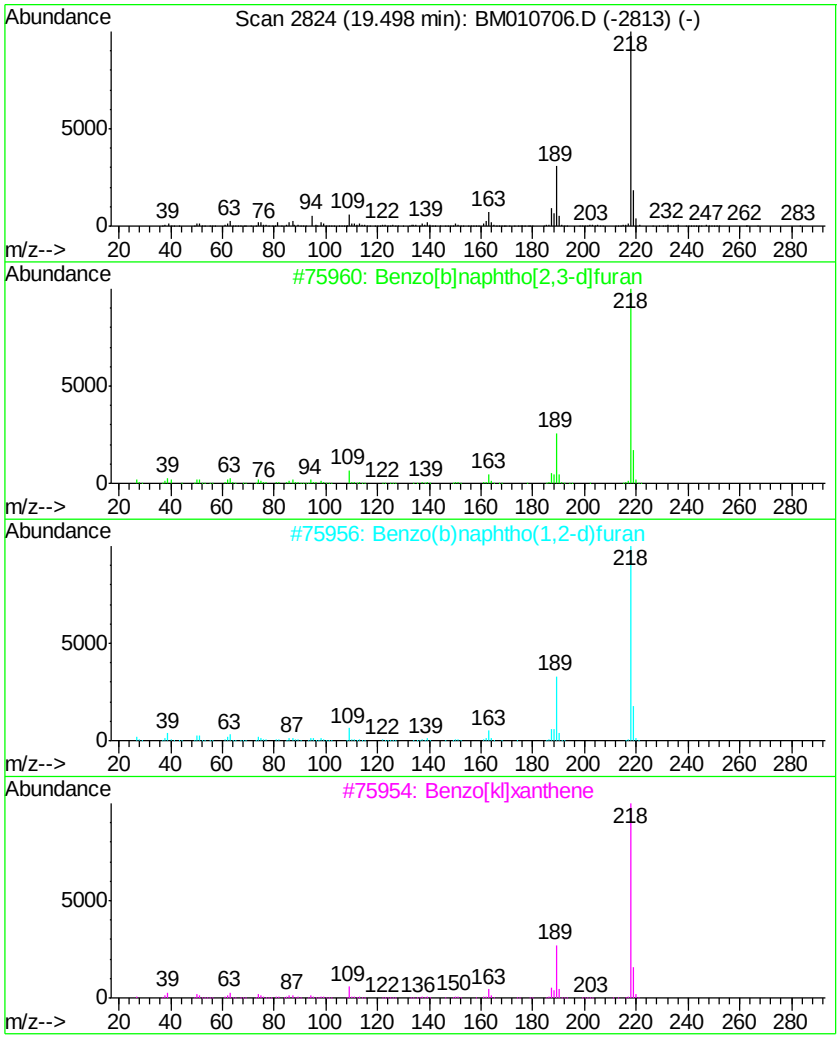
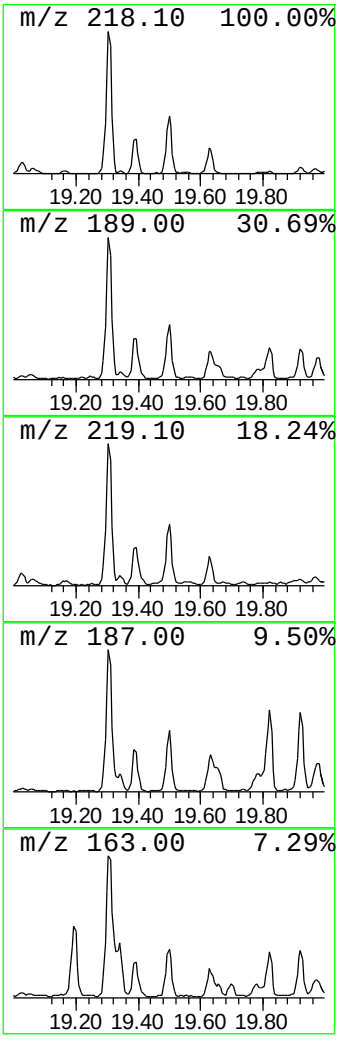
Peak Number 18 Benzo[b]naphtho[2,3-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	3.50 ng/ul	3061040	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	96
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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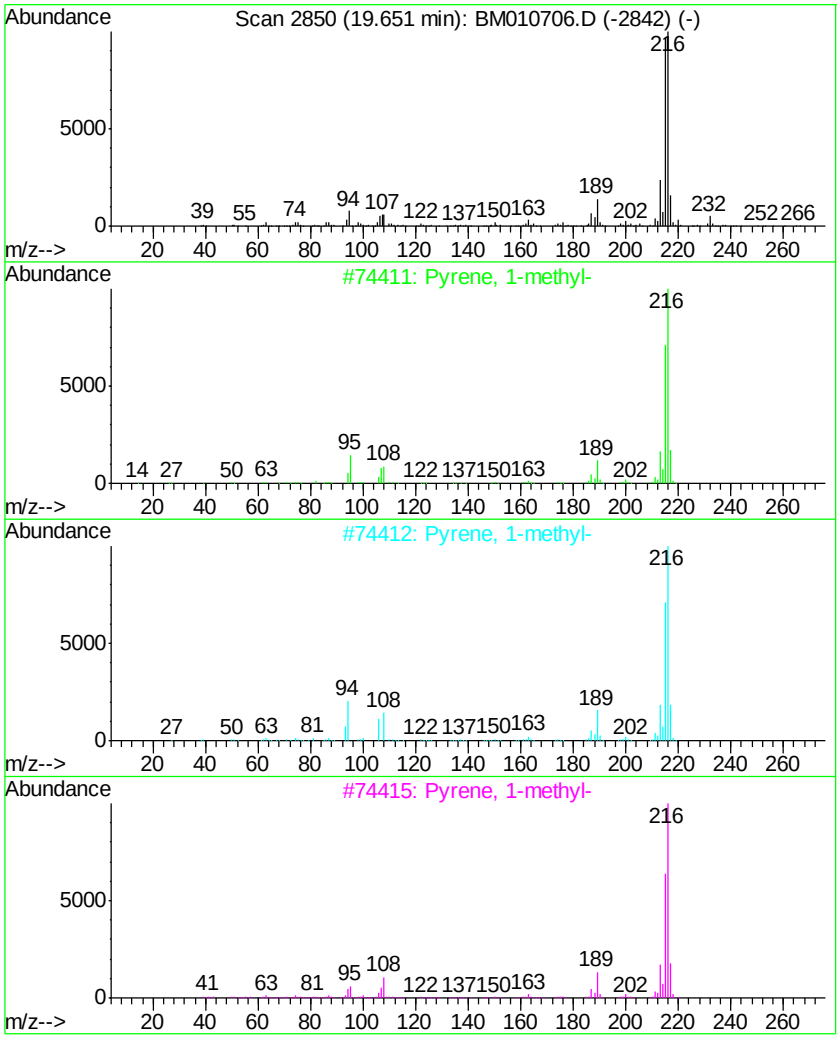
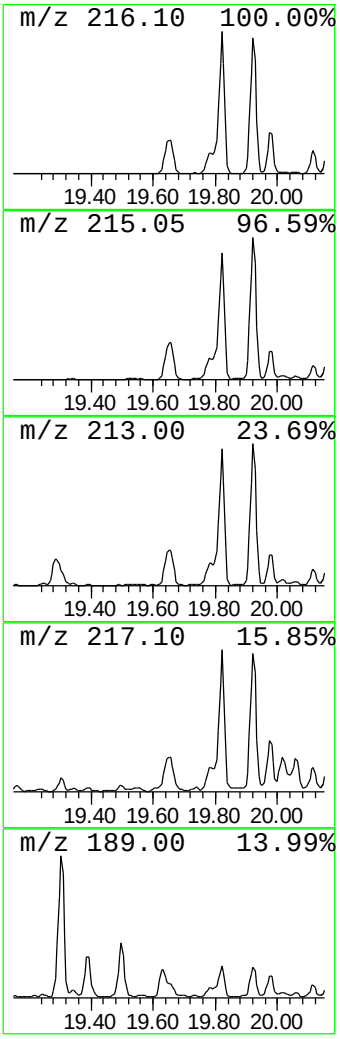
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	4.44 ng/ul	3877670	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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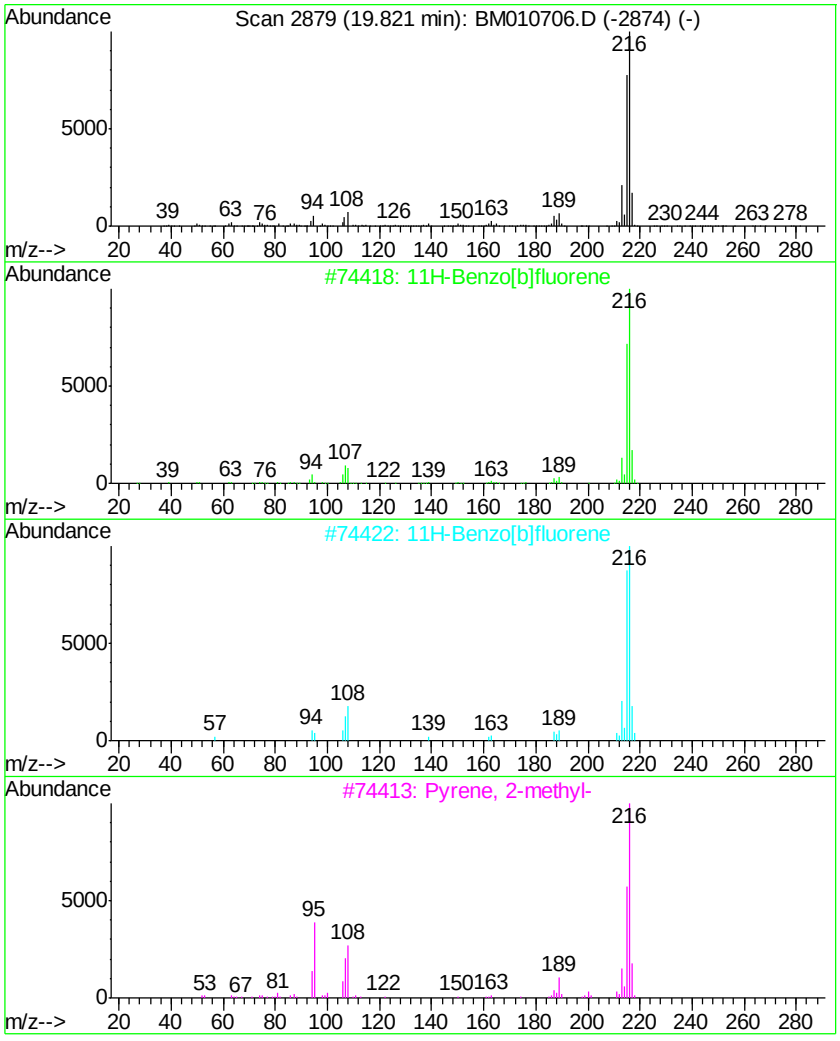
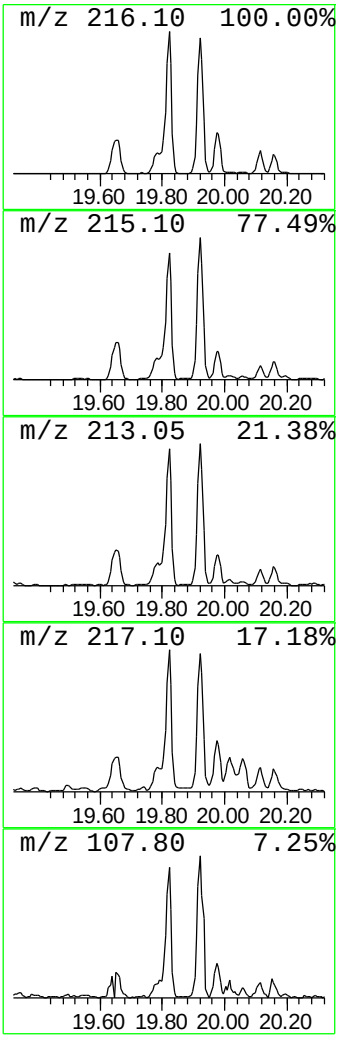
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	7.84 ng/ul	6844920	Chrysene-d12	21.10

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	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Data File : BM010706.D
Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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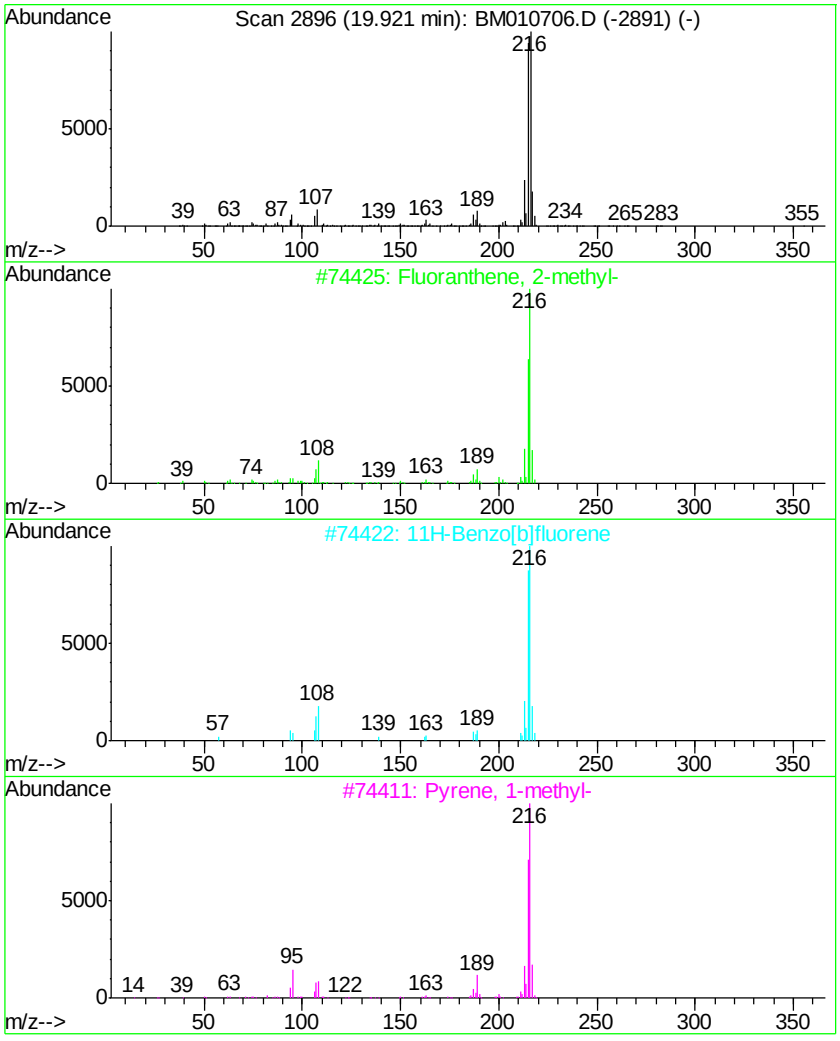
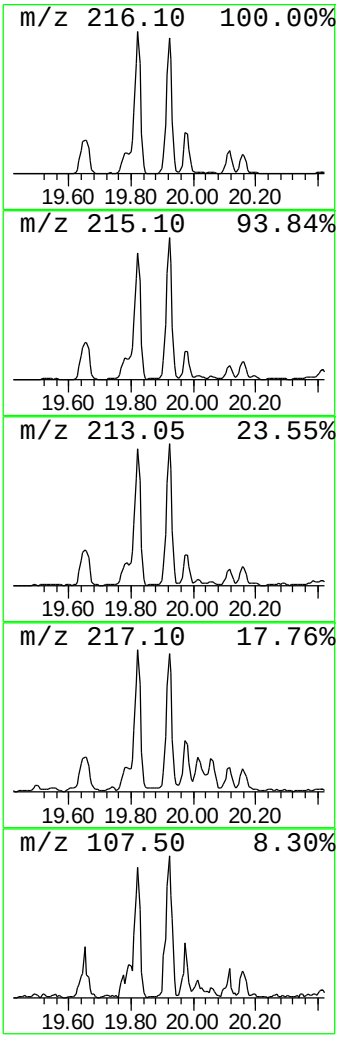
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	7.76 ng/ul	6778420	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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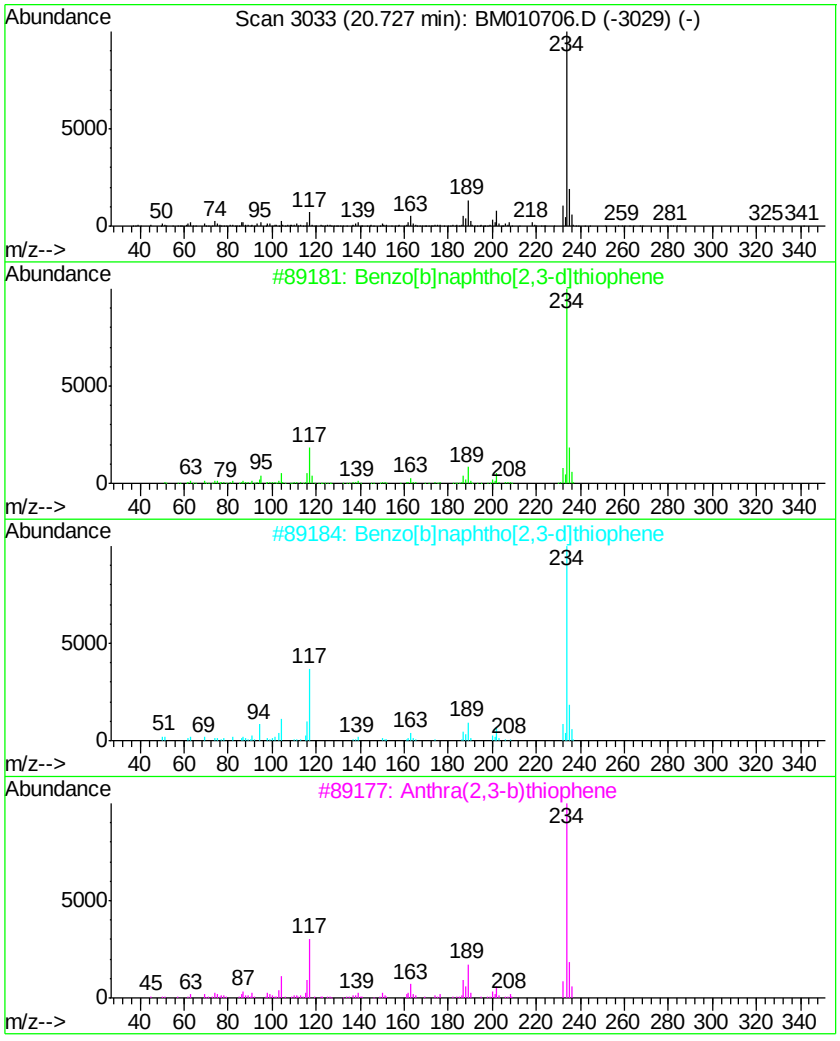
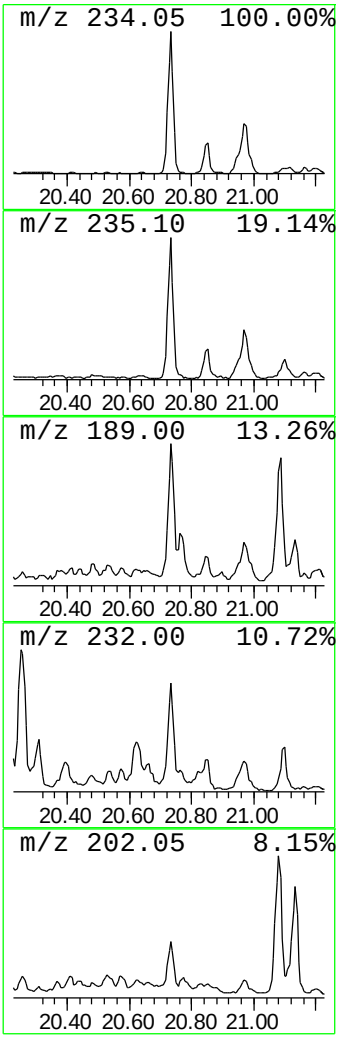
Peak Number 24 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.13 ng/ul	1863580	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93





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Data File : BM010706.D
Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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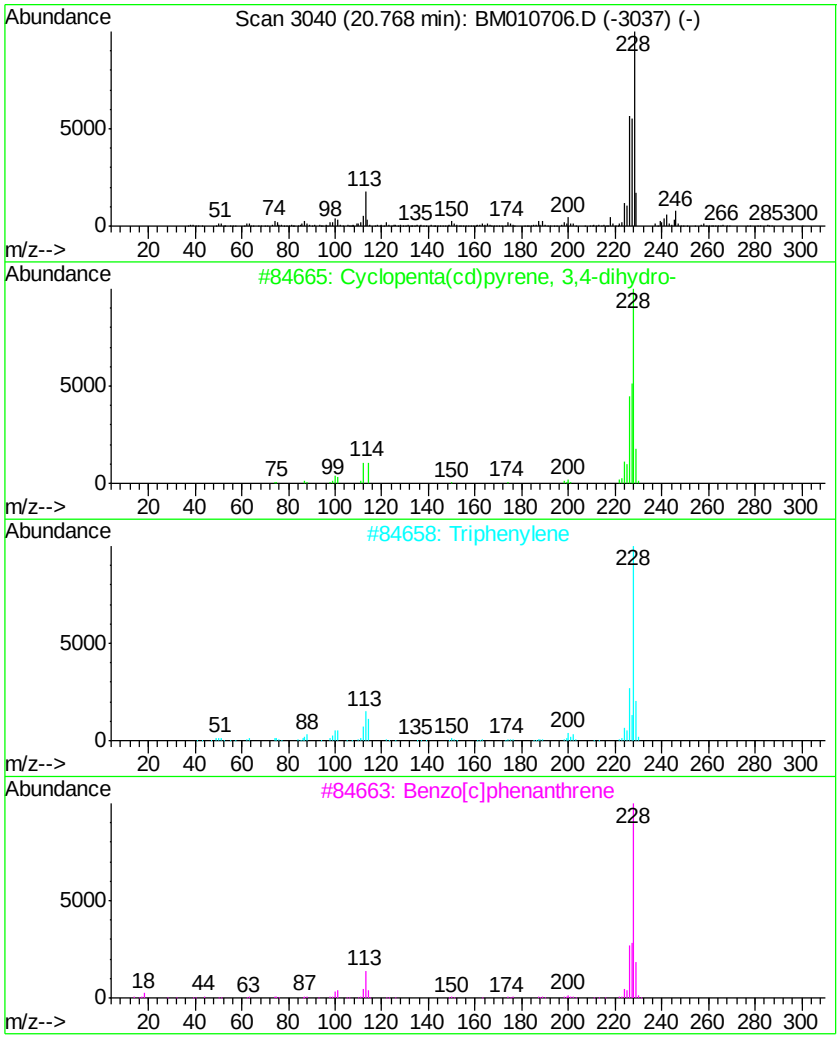
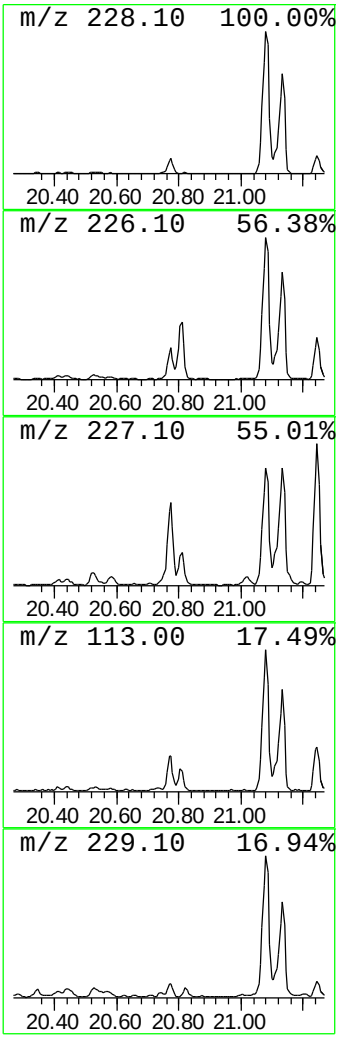
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	2.47 ng/ul	2158150	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
2	Triphenylene	228	C18H12	000217-59-4	49
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Chrysene	228	C18H12	000218-01-9	49
5	Triphenylene	228	C18H12	000217-59-4	46





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Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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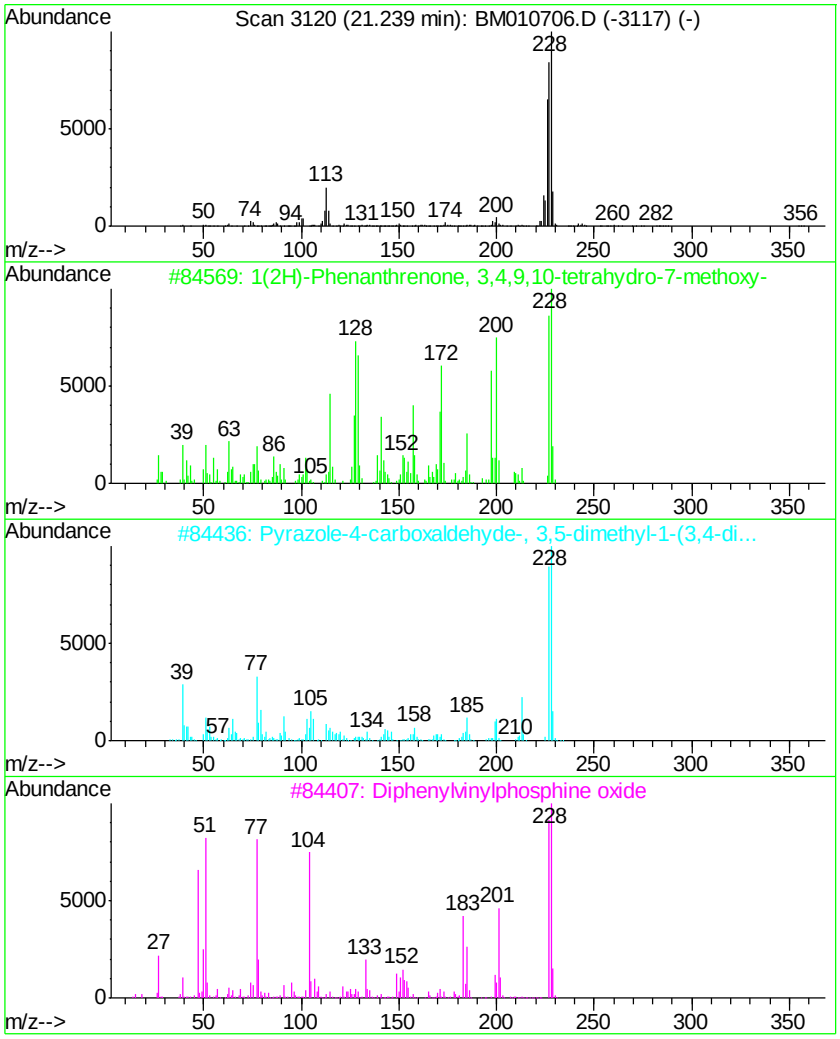
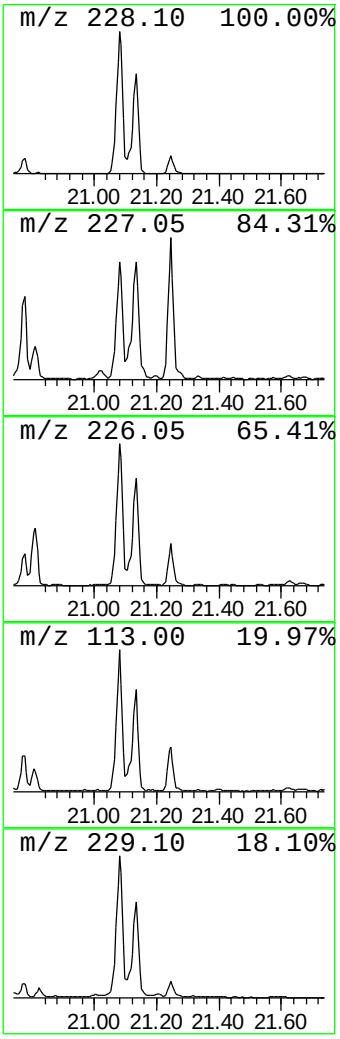
Peak Number 26 1(2H)-Phenanthrenone, 3,4,9... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.61 ng/ul	2281740	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	90
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	53
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Benz[a]anthracene	228	C18H12	000056-55-3	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062317\
Data File : BM010706.D
Acq On : 24 Jun 2017 00:50
Operator : SJ/JU
Sample : I3625-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C82

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
Indane	7.83	20.0	ng/ul	1260150	1	7.46	1260150	20.0
Benzene, 1-propynyl-	7.99	21.4	ng/ul	1347200	1	7.46	1260150	20.0
Naphthalene, 1-me...	12.14	3.1	ng/ul	14381800	2	10.24	91622000	20.0
Cyclohexanemethan...	12.27	6.7	ng/ul	1277660	3	14.12	3813790	20.0
Naphthalene, 2-et...	13.13	14.1	ng/ul	2689190	3	14.12	3813790	20.0
Naphthalene, 2,7-...	13.27	19.7	ng/ul	3763770	3	14.12	3813790	20.0
Naphthalene, 1,4-...	13.67	11.9	ng/ul	2266450	3	14.12	3813790	20.0
2-Naphthalenecarb...	14.26	6.7	ng/ul	1275270	3	14.12	3813790	20.0
Benzene, [1-(2,4-...	14.43	9.2	ng/ul	1747740	3	14.12	3813790	20.0
Naphthalene, 1,4,...	14.60	6.1	ng/ul	1163550	3	14.12	3813790	20.0
Fluorene, 1,4-dih...	15.34	17.2	ng/ul	3285370	3	14.12	3813790	20.0
1,1'-Biphenyl, 4-...	15.43	8.8	ng/ul	1670840	3	14.12	3813790	20.0
9H-Fluoren-9-ol	15.47	23.9	ng/ul	4562540	3	14.12	3813790	20.0
4H-Cyclopenta[def...	17.96	2.4	ng/ul	14063700	4	16.88	116157000	20.0
Indeno[2,1-b]chro...	19.39	2.6	ng/ul	2292760	5	21.10	17467100	20.0
Benzo[b]naphtho[2...	19.50	3.5	ng/ul	3061040	5	21.10	17467100	20.0
Pyrene, 1-methyl-	19.65	4.4	ng/ul	3877670	5	21.10	17467100	20.0
11H-Benzo[b]fluorene	19.82	7.8	ng/ul	6844920	5	21.10	17467100	20.0
Fluoranthene, 2-m...	19.92	7.8	ng/ul	6778420	5	21.10	17467100	20.0
Benzo[b]naphtho[2...	20.73	2.1	ng/ul	1863580	5	21.10	17467100	20.0
Cyclopenta(cd)pyr...	20.77	2.5	ng/ul	2158150	5	21.10	17467100	20.0
1(2H)-Phenanthren...	21.24	2.6	ng/ul	2281740	5	21.10	17467100	20.0