

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003659.D
 Acq On : 20 Dec 2015 17:52
 Operator : UM/SJ
 Sample : G4867-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DA2

Quant Time: Dec 21 02:24:04 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 02:19:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	19732	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	97588	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	63260	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	155930	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	209528	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	206256	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	423	1.15	ng/uL	0.00
5) Phenol-d5	6.87	99	16243	9.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	34805	39.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	45833	33.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	33455	23.23	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	30850	43.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	34984	43.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	57868	39.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.64	131	683	0.35	ng/ul	0.01
44) Dimethylphthalate-d6	13.76	166	217917	41.68	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	252887	42.49	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	10428	10.24	ng/ul	0.00
58) Fluorene-d10	15.34	176	183410	42.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	36269	41.27	ng/ul	0.00
71) Anthracene-d10	17.20	188	303105	42.72	ng/ul	0.00
79) Pyrene-d10	19.50	212	367398	40.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	430343	42.00	ng/ul	0.00

Target Compounds

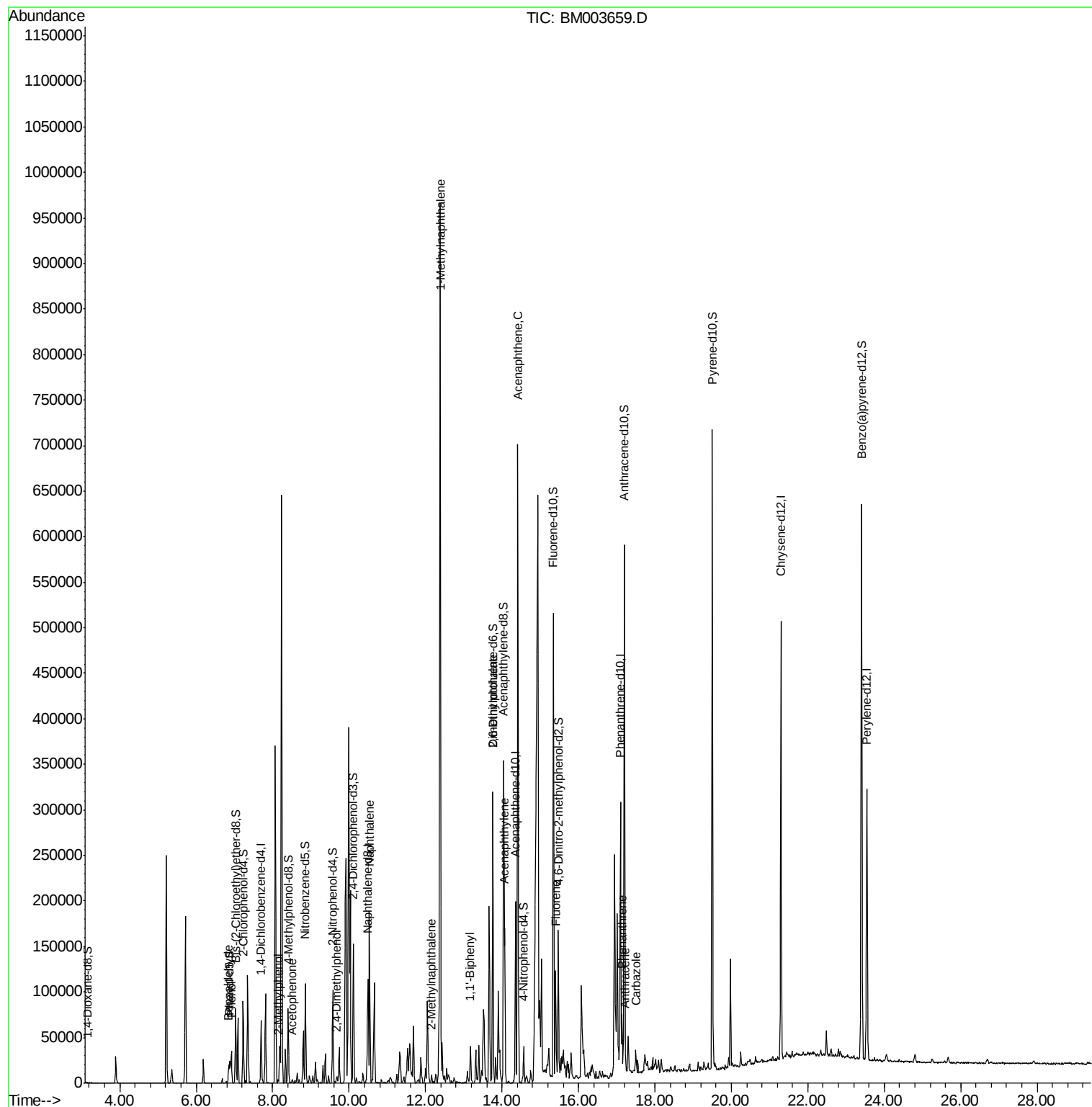
					Ovalue	
4) Benzaldehyde	6.85	77	1772	1.85	ng/ul#	1
6) Phenol	6.90	94	12716	7.26	ng/ul	99
11) 2-Methylphenol	8.15	108	1926	1.39	ng/ul	91
14) Acetophenone	8.52	105	4127	1.83	ng/ul	95
24) 2,4-Dimethylphenol	9.67	107	3278	1.81	ng/ul	99
28) Naphthalene	10.53	128	158968	31.62	ng/ul	99
34) 2-Methylnaphthalene	12.16	142	3760	1.00	ng/ul	90
35) 1-Methylnaphthalene	12.38	142	443875	124.45	ng/ul	98
41) 1,1'-Biphenyl	13.17	154	21228	4.13	ng/ul	98
46) 2,6-Dinitrotoluene	13.76	165	1934	1.86	ng/ul#	40
48) Acenaphthylene	14.07	152	77504	11.91	ng/ul#	96
50) Acenaphthene	14.42	153	291490	67.06	ng/ul	98
59) Fluorene	15.40	166	57480	11.54	ng/ul	98
70) Phenanthrene	17.14	178	33022	3.83	ng/ul	99
72) Anthracene	17.23	178	9500	1.08	ng/ul	93
75) Carbazole	17.50	167	15349	1.91	ng/ul#	95

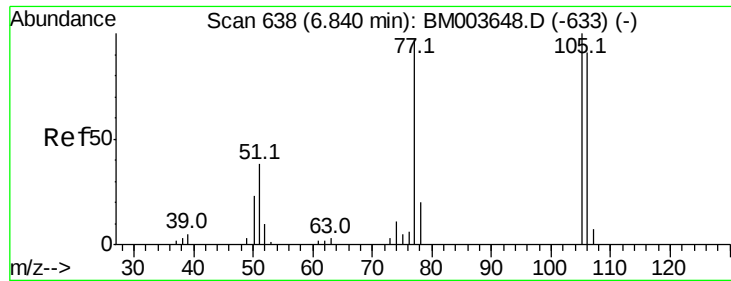
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.85 ng/ul

RT: 6.85 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

Instrument :

BNA_M

ClientSampleId :

G9DA2

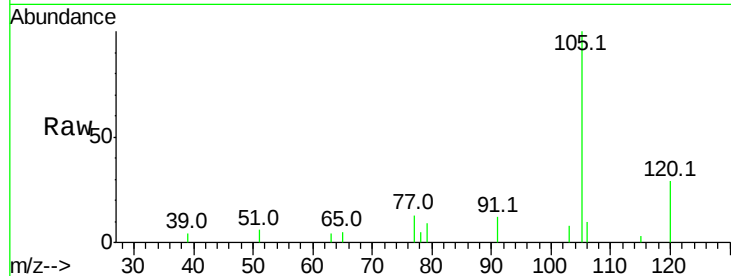
Tot Ion: 77 Resp: 1772

Ion Ratio Lower Upper

77 100

105 759.3 80.6 120.8#

106 76.5 77.7 116.5#

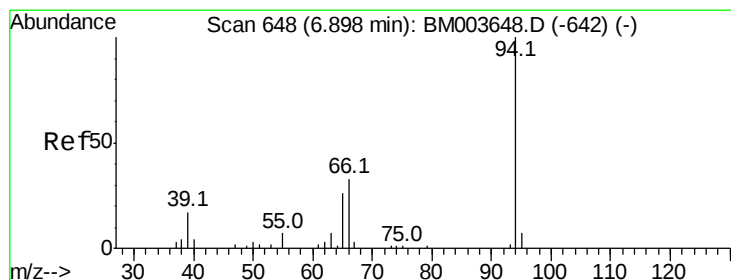
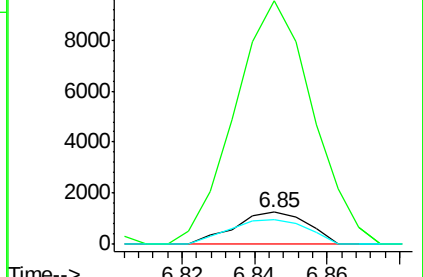
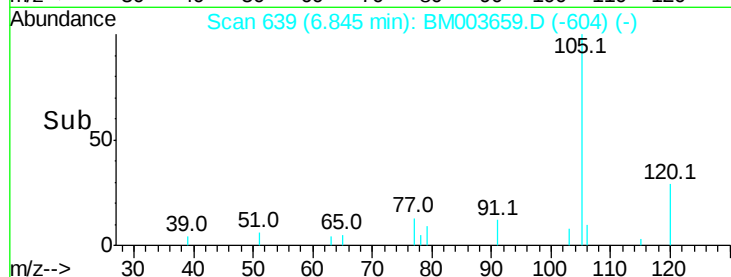


Abundance Ion 77.00 (76.70 to 77.70): BM003648.D (-633) (-)

Ion 105.00 (104.70 to 105.70): BM003648.D (-633) (-)

Ion 106.00 (105.70 to 106.70): BM003648.D (-633) (-)

Time-->



#6

Phenol

Concen: 7.26 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

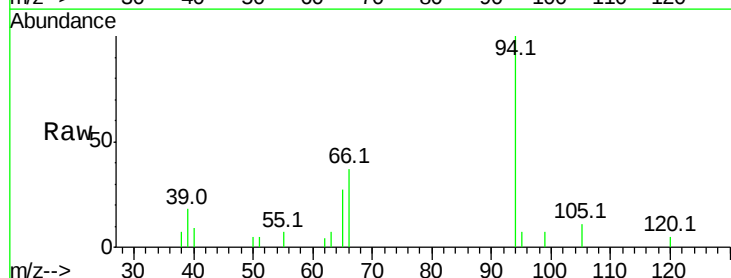
Tgt Ion: 94 Resp: 12716

Ion Ratio Lower Upper

94 100

65 26.6 21.0 31.6

66 37.2 29.3 43.9

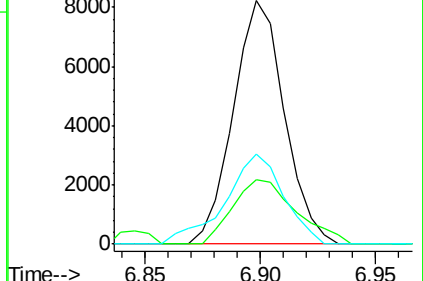
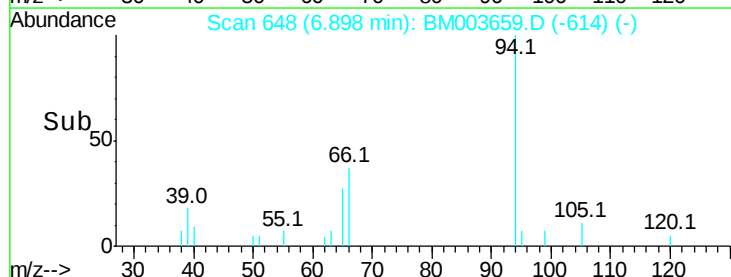


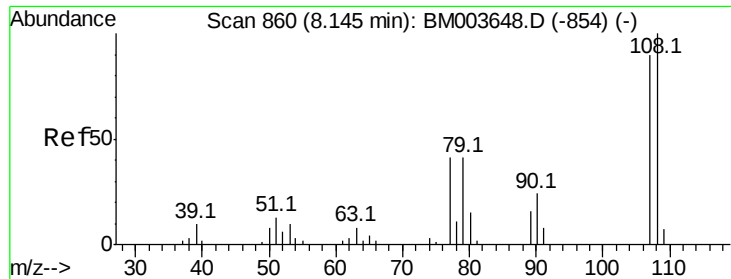
Abundance Ion 94.00 (93.70 to 94.70): BM003648.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM003648.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM003648.D (-642) (-)

Time-->

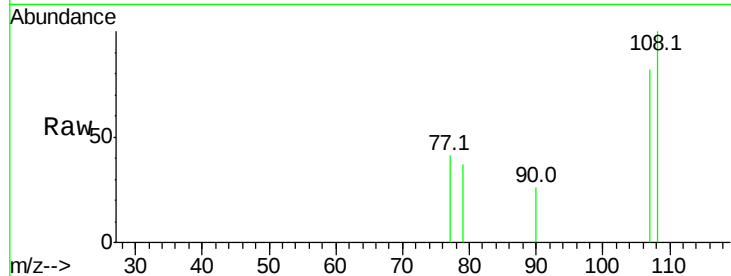




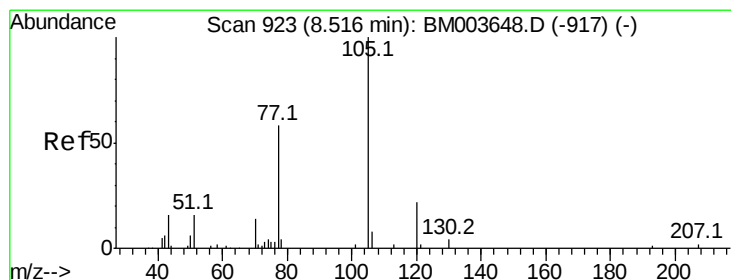
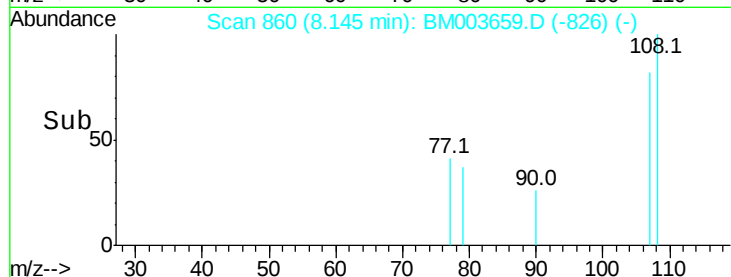
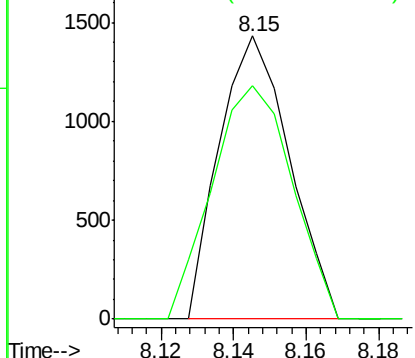
#11
 2-Methylphenol
 Concen: 1.39 ng/ul
 RT: 8.15 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

Instrument :
 BNA_M
 ClientSampleID :
 G9DA2

Tot Ion:108 Resp: 1926
 Ion Ratio Lower Upper
 108 100
 107 82.5 72.4 108.6

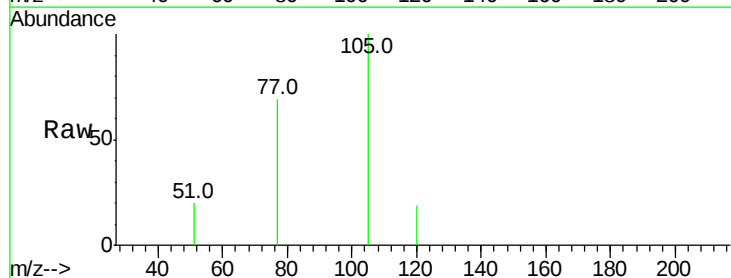


Abundance Ion 108.00 (107.70 to 108.70): E
 Ion 107.00 (106.70 to 107.70): E

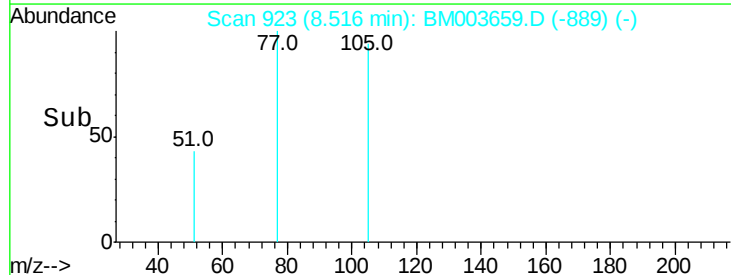
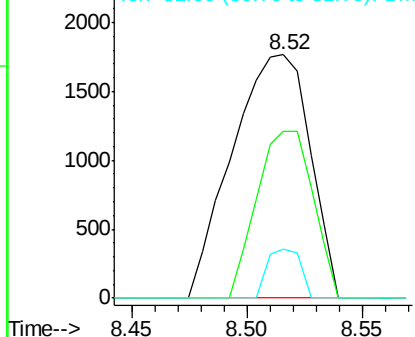


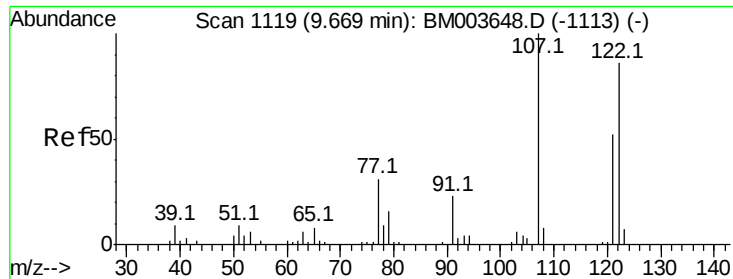
#14
 Acetophenone
 Concen: 1.83 ng/ul
 RT: 8.52 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

Tgt Ion:105 Resp: 4127
 Ion Ratio Lower Upper
 105 100
 77 68.7 59.0 88.4
 51 20.1 16.4 24.6



Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 51.00 (50.70 to 51.70): BM0

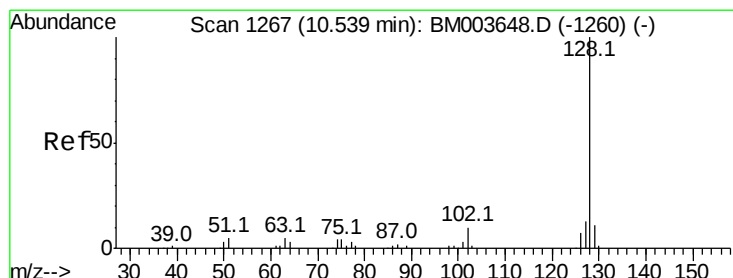
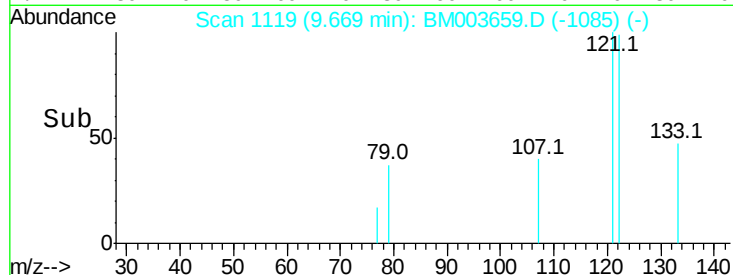
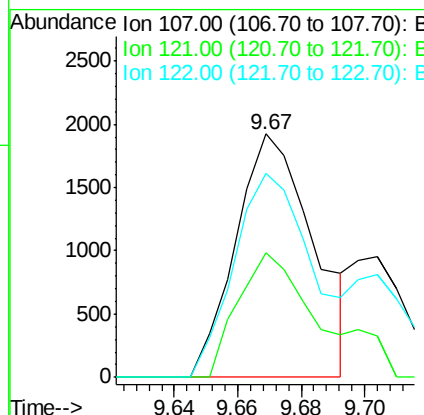
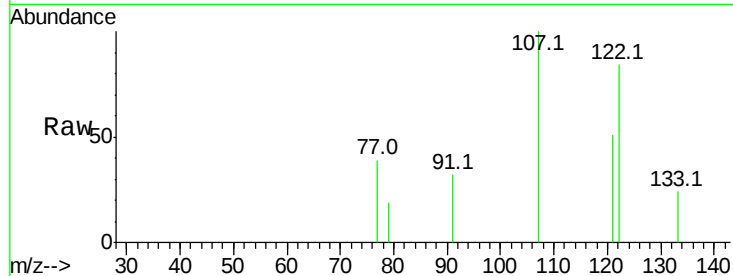




#24
 2,4-Dimethylphenol
 Concen: 1.81 ng/ul
 RT: 9.67 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

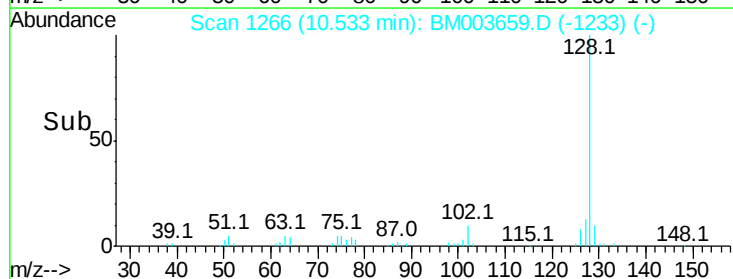
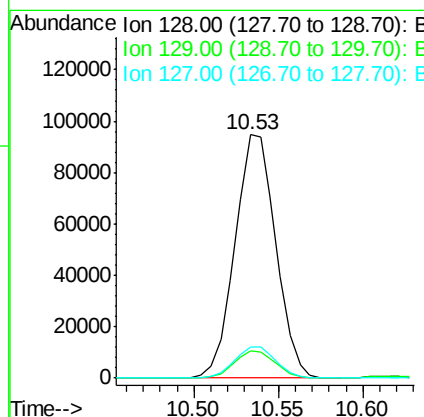
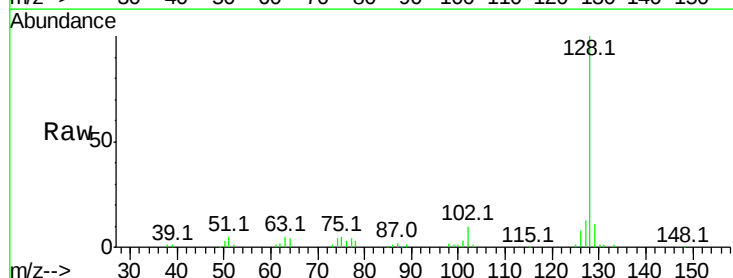
Instrument :
 BNA_M
 ClientSampleId :
 G9DA2

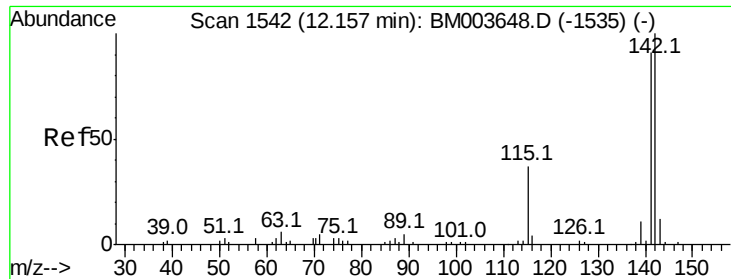
Tot Ion:107 Resp: 3278
 Ion Ratio Lower Upper
 107 100
 121 51.3 40.6 61.0
 122 83.7 67.8 101.6



#28
 Naphthalene
 Concen: 31.62 ng/ul
 RT: 10.53 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

Tgt Ion:128 Resp: 158968
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.8 13.2
 127 12.7 10.5 15.7

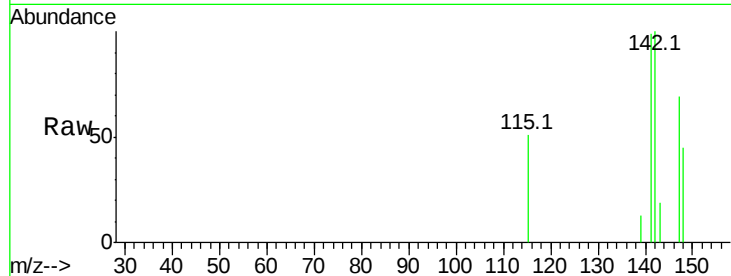




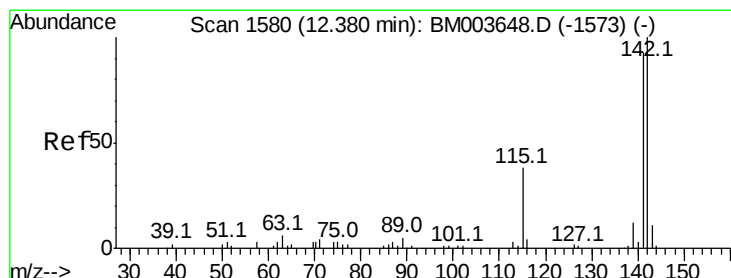
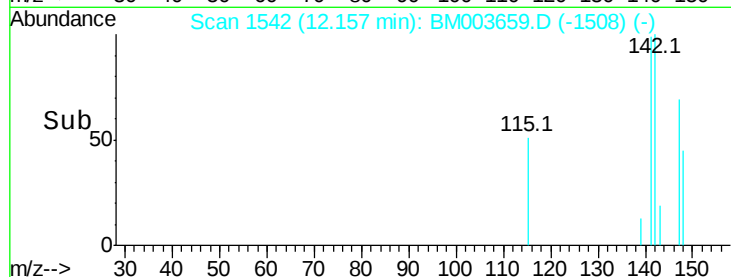
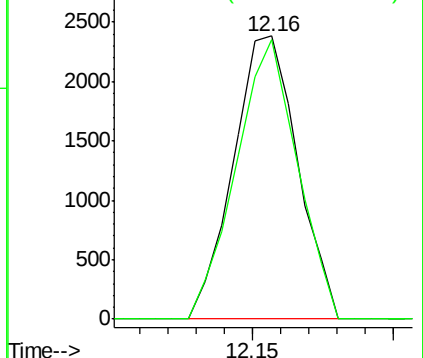
#34
2-Methylnaphthalene
Concen: 1.00 ng/ul
RT: 12.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BM003659.D
Acq: 20 Dec 2015 17:52

Instrument :
BNA_M
ClientSampleId :
G9DA2

Tot Ion:142 Resp: 3760
Ion Ratio Lower Upper
142 100
141 98.9 71.6 107.4

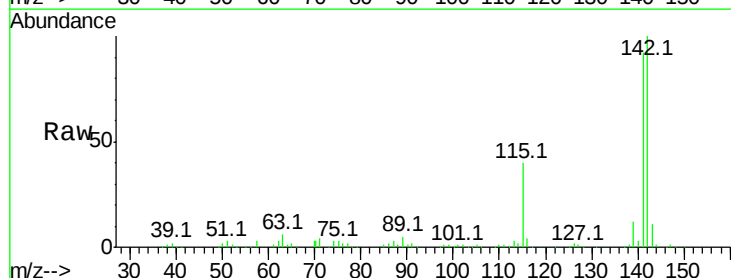


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

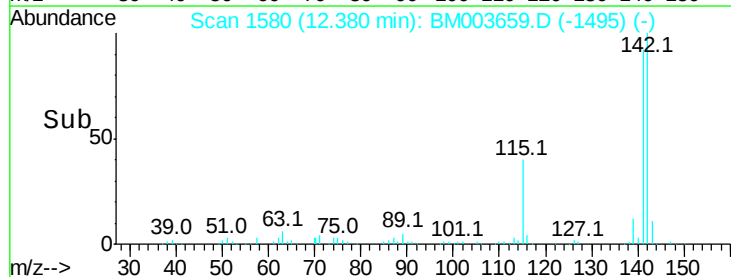
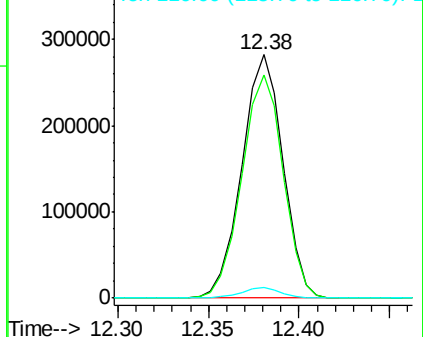


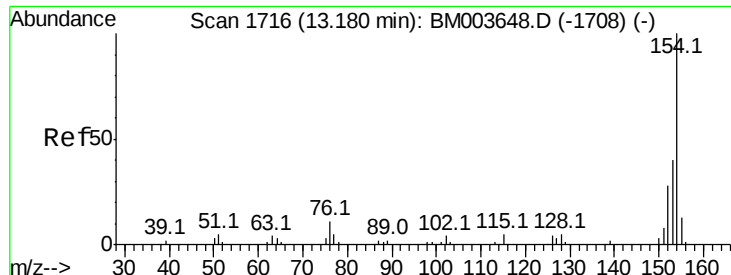
#35
1-Methylnaphthalene
Concen: 124.45 ng/ul
RT: 12.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM003659.D
Acq: 20 Dec 2015 17:52

Tgt Ion:142 Resp: 443875
Ion Ratio Lower Upper
142 100
141 91.9 74.9 112.3
116 4.2 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

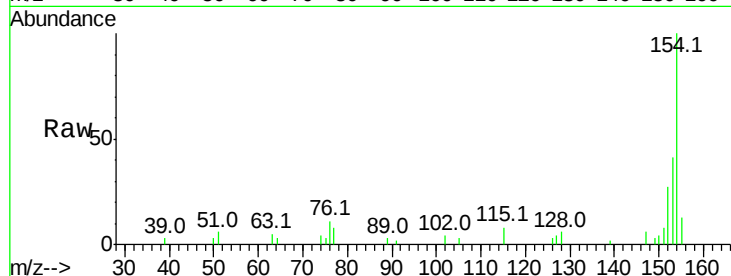




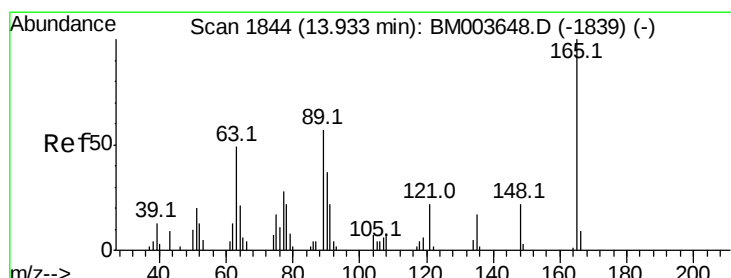
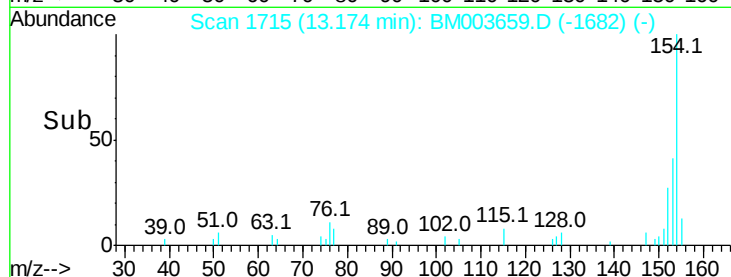
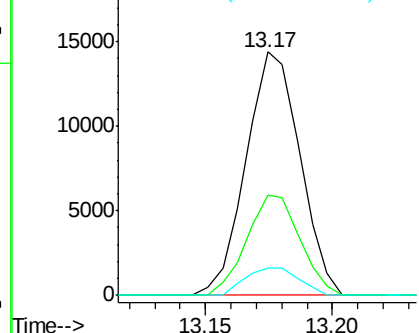
#41
 1,1'-Biphenyl
 Concen: 4.13 ng/ul
 RT: 13.17 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

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Tot Ion:	154	Resp:	21228
Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.1	48.1
76	11.4	9.5	14.3

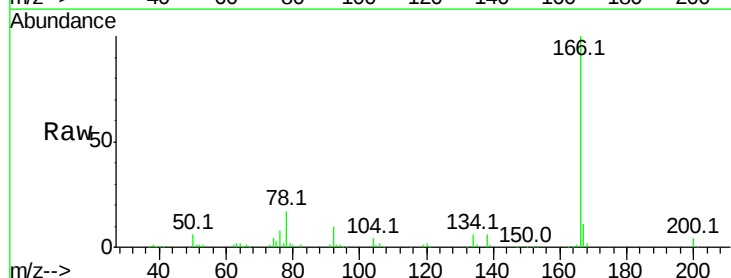


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

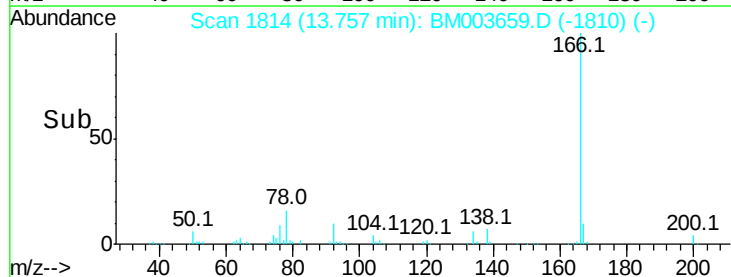
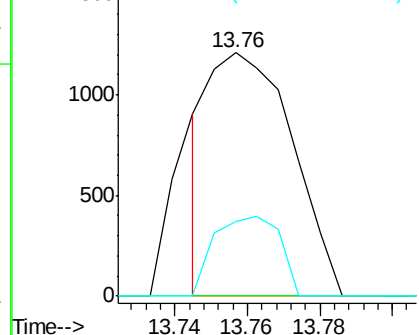


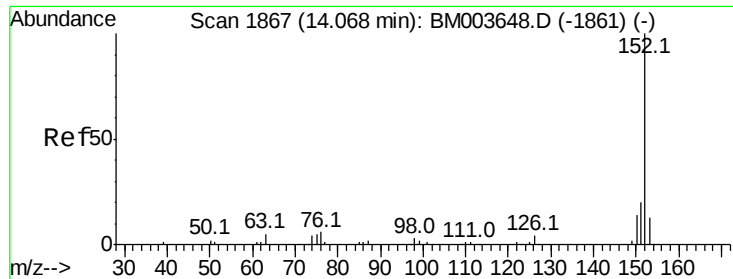
#46
 2,6-Dinitrotoluene
 Concen: 1.86 ng/ul
 RT: 13.76 min Scan# 1814
 Delta R.T. -0.18 min
 Lab File: BM003659.D
 Acq: 20 Dec 2015 17:52

Tgt Ion:	165	Resp:	1934
Ion	Ratio	Lower	Upper
165	100		
89	0.0	42.4	63.6#
121	30.7	16.6	24.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM
 Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 11.91 ng/ul

RT: 14.07 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

Instrument :

BNA_M

ClientSampleId :

G9DA2

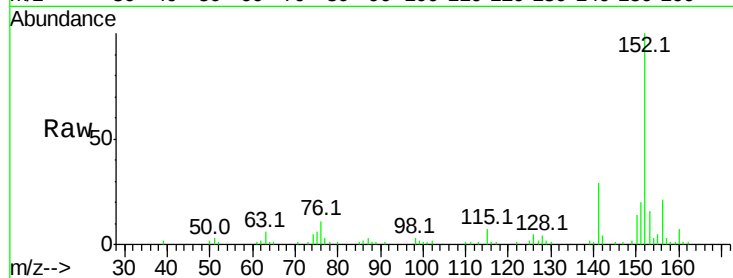
Tot Ion:152 Resp: 77504

Ion Ratio Lower Upper

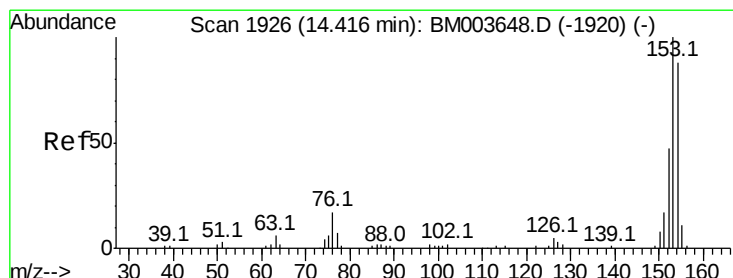
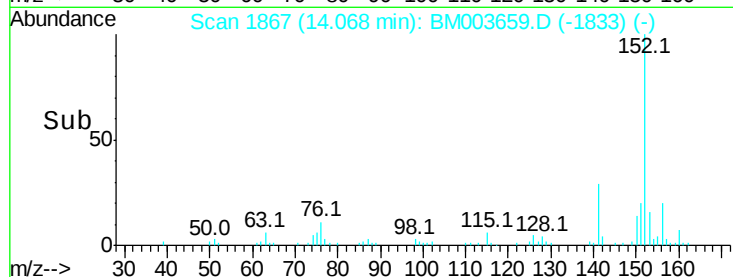
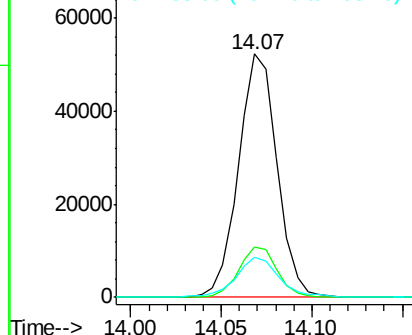
152 100

151 20.5 15.7 23.5

153 16.3 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 67.06 ng/ul

RT: 14.42 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

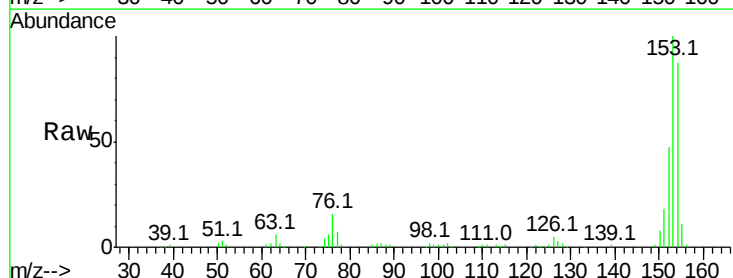
Tgt Ion:153 Resp: 291490

Ion Ratio Lower Upper

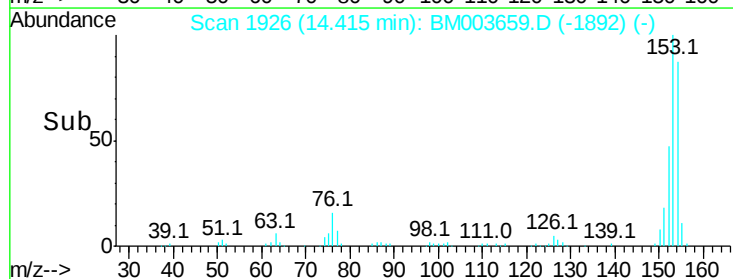
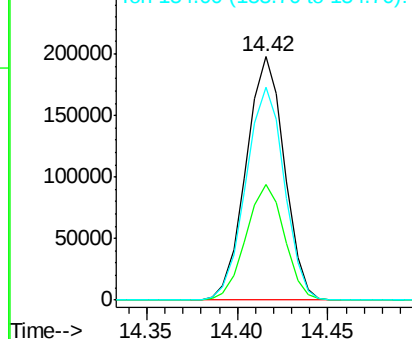
153 100

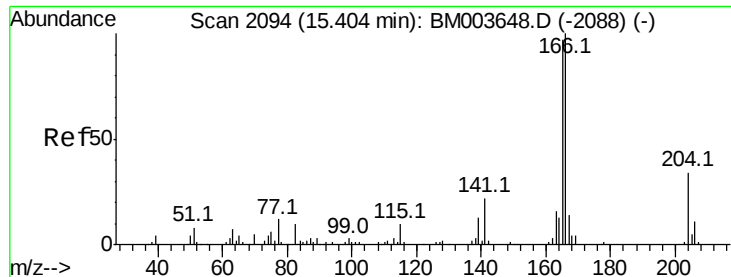
152 47.2 38.3 57.5

154 87.5 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 11.54 ng/ul

RT: 15.40 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BM003659.D

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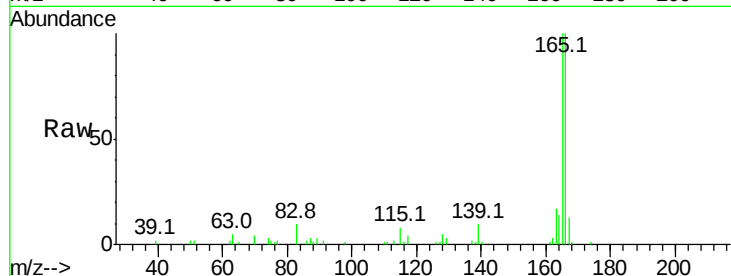
Tot Ion:166 Resp: 57480

Ion Ratio Lower Upper

166 100

165 100.0 78.5 117.7

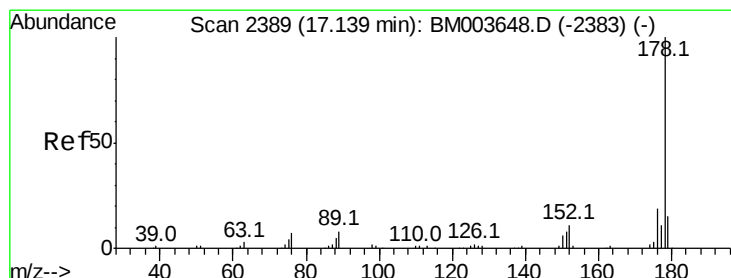
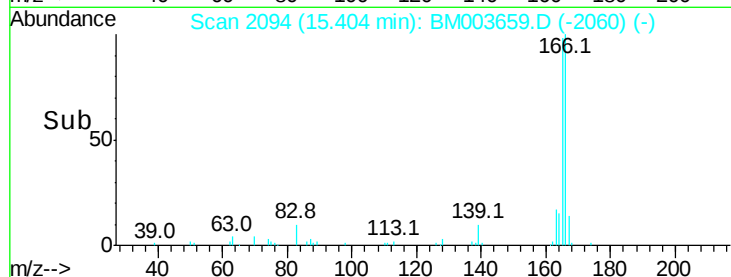
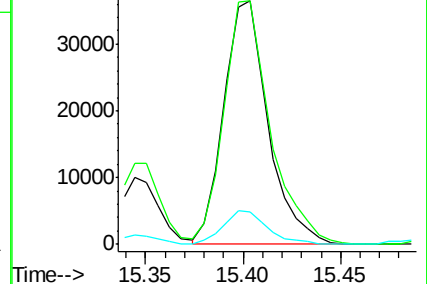
167 13.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 3.83 ng/ul

RT: 17.14 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

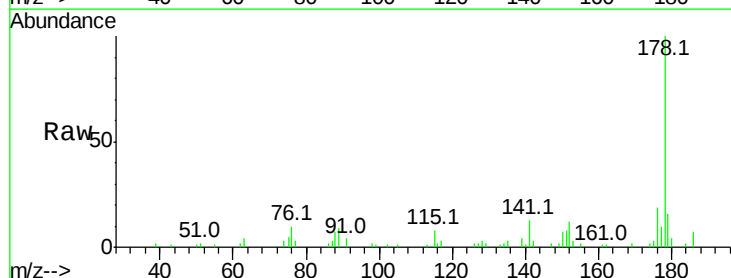
Tgt Ion:178 Resp: 33022

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

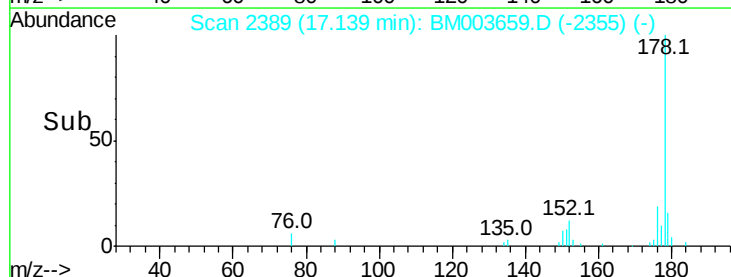
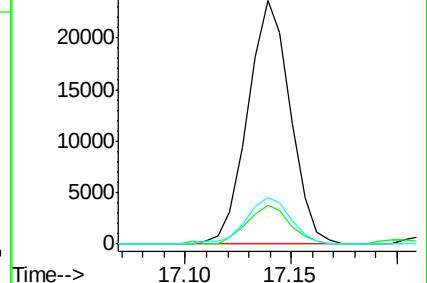
176 19.2 15.6 23.4

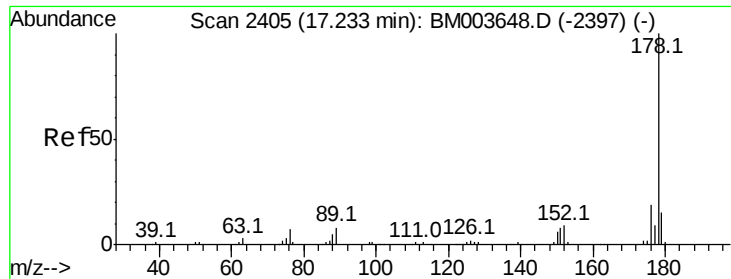


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.08 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

Instrument :

BNA_M

ClientSampleId :

G9DA2

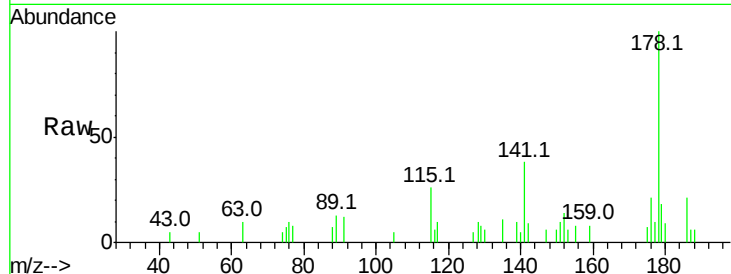
Tot Ion:178 Resp: 9500

Ion Ratio Lower Upper

178 100

179 17.9 12.1 18.1

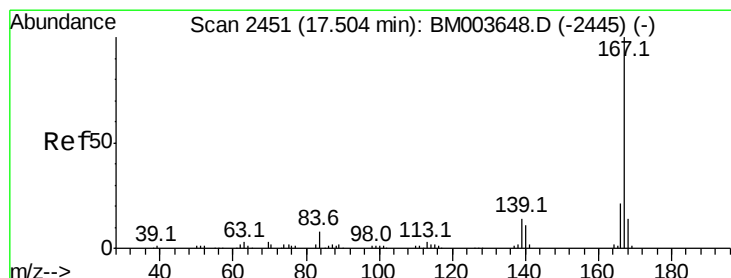
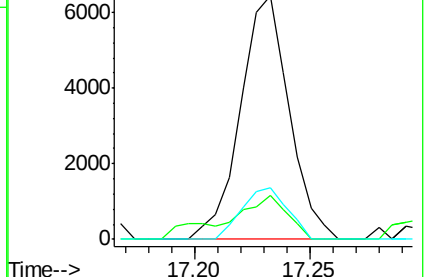
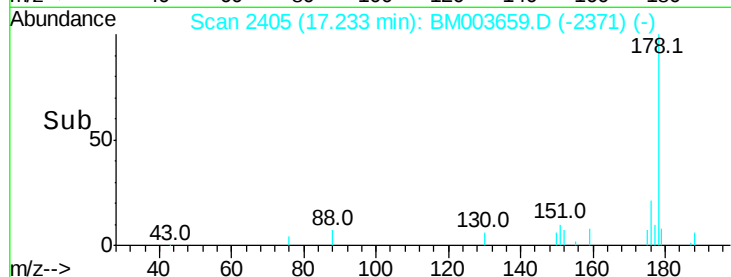
176 21.4 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1.91 ng/ul

RT: 17.50 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BM003659.D

Acq: 20 Dec 2015 17:52

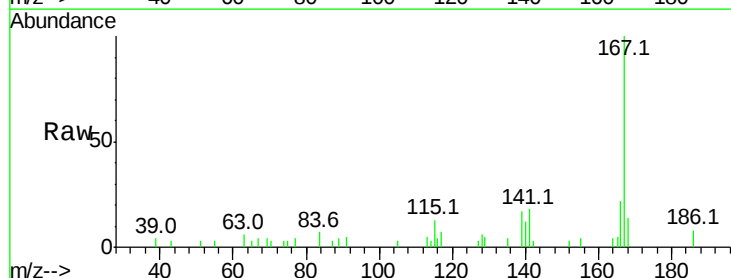
Tgt Ion:167 Resp: 15349

Ion Ratio Lower Upper

167 100

166 22.4 17.0 25.6

139 17.4 11.0 16.4#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

