

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003671.D
 Acq On : 21 Dec 2015 01:13
 Operator : UM/SJ
 Sample : G4867-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB4

Quant Time: Dec 21 04:00:43 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 03:56:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	24583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	116368	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.35	164	73113	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	176891	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	222924	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	196678	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	465	1.02	ng/uL	0.00
5) Phenol-d5	6.87	99	16251	7.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	38758	35.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	50126	29.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	34471	19.21	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	33757	39.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	36818	38.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	60972	35.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	3888	1.68	ng/ul	0.05
44) Dimethylphthalate-d6	13.76	166	229578	37.99	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	268794	39.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	10594	9.00	ng/ul	0.00
58) Fluorene-d10	15.34	176	196073	39.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	36045	36.15	ng/ul	0.00
71) Anthracene-d10	17.20	188	323378	40.18	ng/ul	0.00
79) Pyrene-d10	19.50	212	378752	38.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	386172	39.53	ng/ul	0.00

Target Compounds

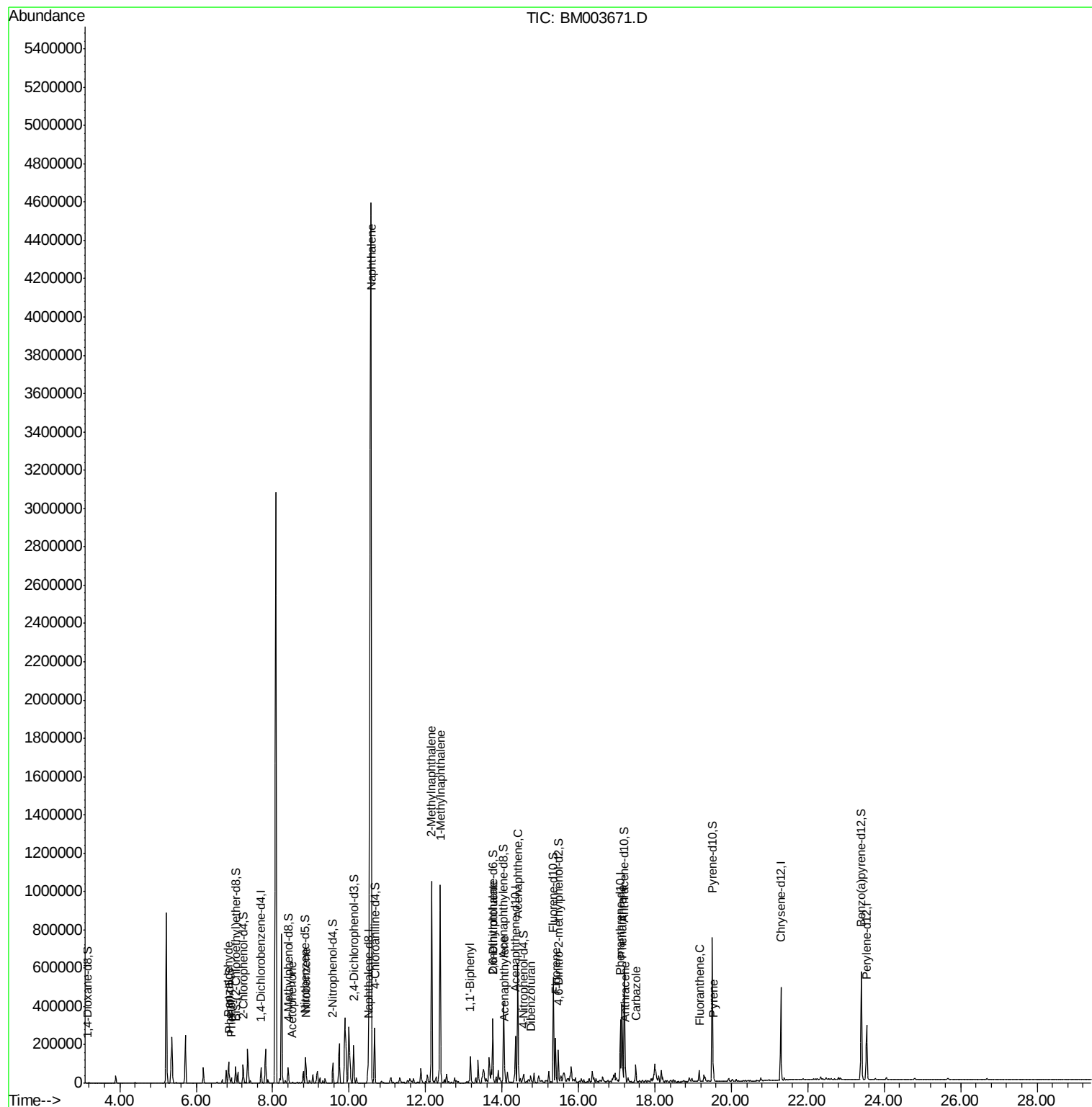
					Ovalue	
4) Benzaldehyde	6.85	77	8175	6.84	ng/ul#	1
6) Phenol	6.90	94	3596	1.65	ng/ul	93
14) Acetophenone	8.52	105	3332	1.19	ng/ul	92
20) Nitrobenzene	8.87	77	2265	1.16	ng/ul#	2
28) Naphthalene	10.57	128	6153383	1026.35	ng/ul	98
34) 2-Methylnaphthalene	12.16	142	500101	111.69	ng/ul	100
35) 1-Methylnaphthalene	12.38	142	476222	111.97	ng/ul	99
41) 1,1'-Biophenyl	13.17	154	71418	12.03	ng/ul	100
46) 2,6-Dinitrotoluene	13.76	165	1830	1.52	ng/ul#	37
48) Acenaphthylene	14.07	152	16333	2.17	ng/ul#	83
50) Acenaphthene	14.42	153	254440	50.65	ng/ul	99
54) Dibenzofuran	14.75	168	11808	1.65	ng/ul	94
59) Fluorene	15.40	166	101610	17.65	ng/ul	100
70) Phenanthrene	17.14	178	235619	24.08	ng/ul	99
72) Anthracene	17.23	178	43404	4.35	ng/ul	98
75) Carbazole	17.50	167	54598	5.99	ng/ul	99
77) Fluoranthene	19.16	202	33490	2.98	ng/ul	99
80) Pyrene	19.53	202	48291	3.76	ng/ul	100

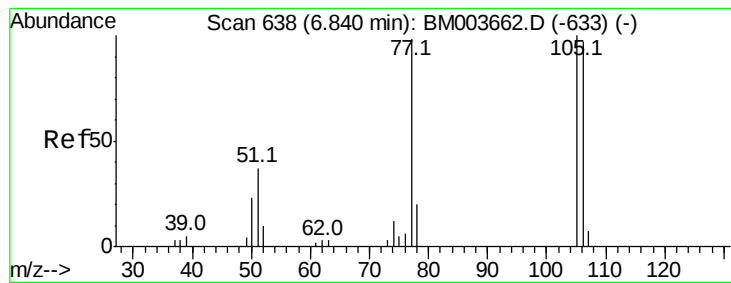
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 6.84 ng/ul

RT: 6.85 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampled :

G9DB4

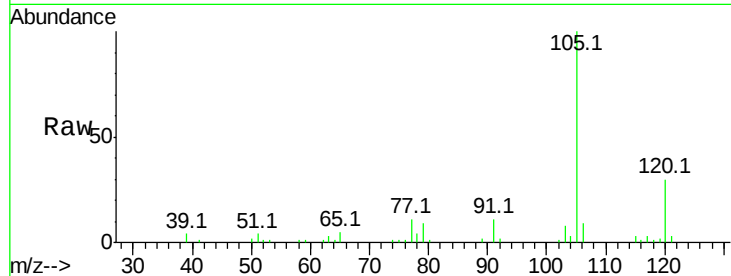
Tot Ion: 77 Resp: 8175

Ion Ratio Lower Upper

77 100

105 904.1 80.6 120.8#

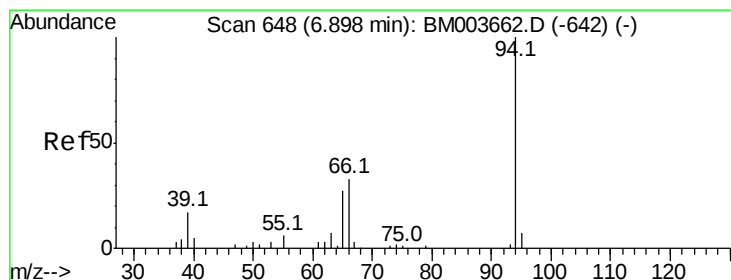
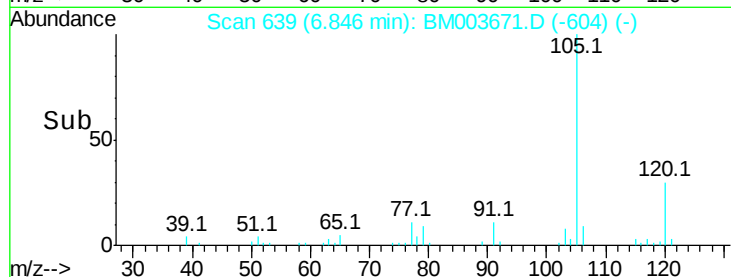
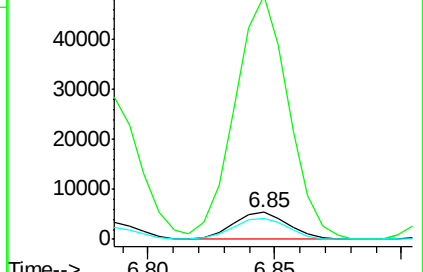
106 78.4 77.7 116.5



Abundance Ion 77.00 (76.70 to 77.70): BM003662.D (-633) (-)

Ion 105.00 (104.70 to 105.70): BM003662.D (-633) (-)

Ion 106.00 (105.70 to 106.70): BM003662.D (-633) (-)



#6

Phenol

Concen: 1.65 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

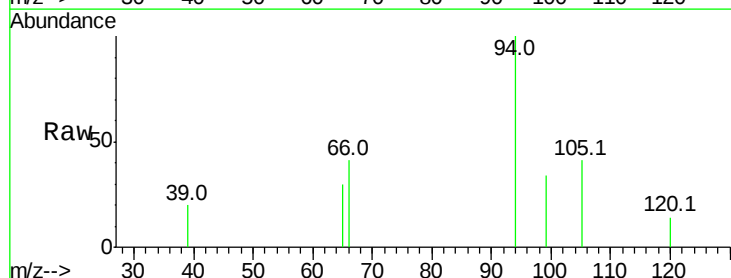
Tgt Ion: 94 Resp: 3596

Ion Ratio Lower Upper

94 100

65 30.5 21.0 31.6

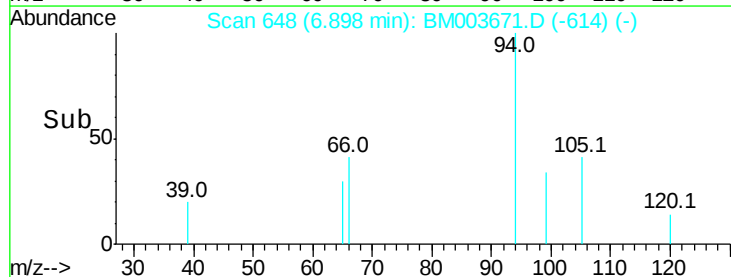
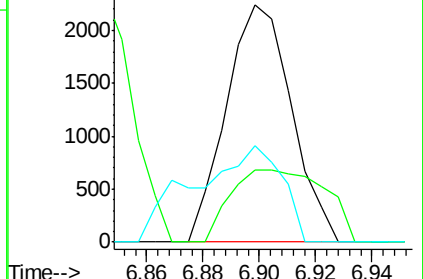
66 40.6 29.3 43.9

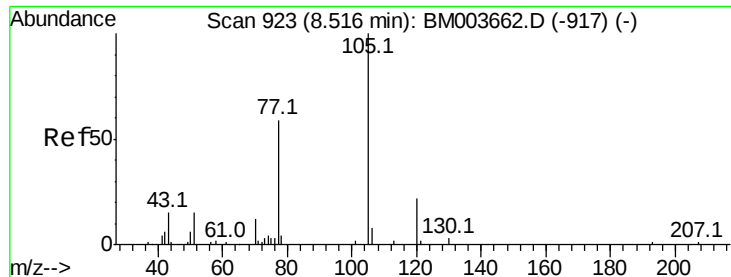


Abundance Ion 94.00 (93.70 to 94.70): BM003662.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM003662.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM003662.D (-642) (-)





#14

Acetophenone

Concen: 1.19 ng/ul

RT: 8.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4

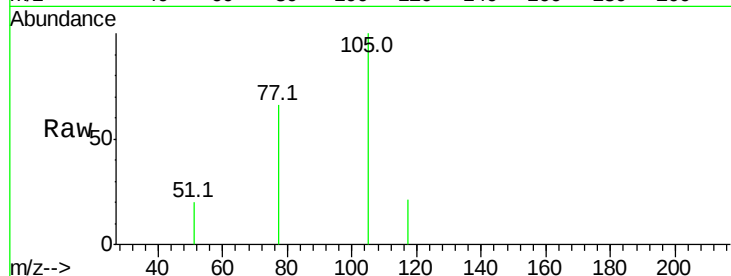
Tot Ion:105 Resp: 3332

Ion Ratio Lower Upper

105 100

77 65.6 59.0 88.4

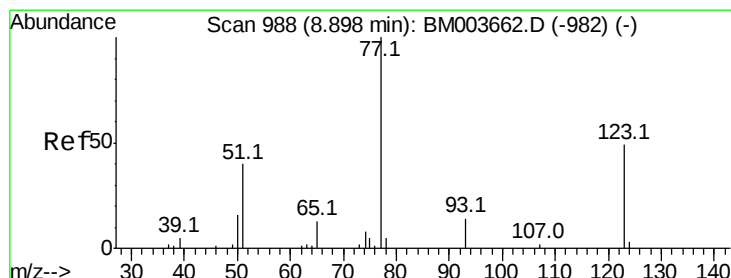
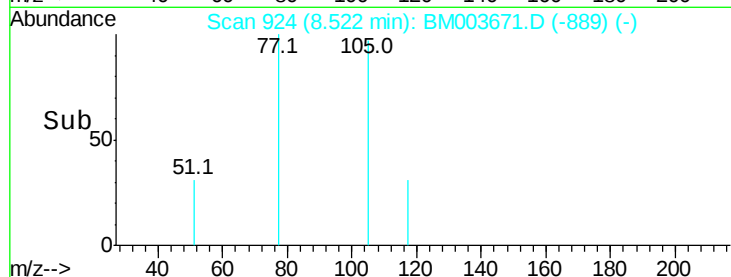
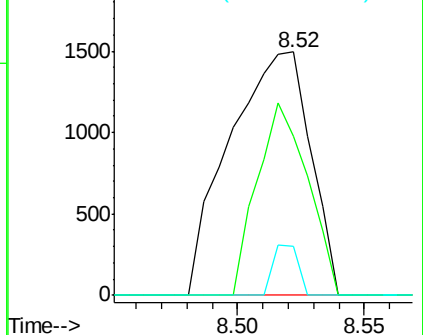
51 20.3 16.4 24.6



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



#20

Nitrobenzene

Concen: 1.16 ng/ul

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

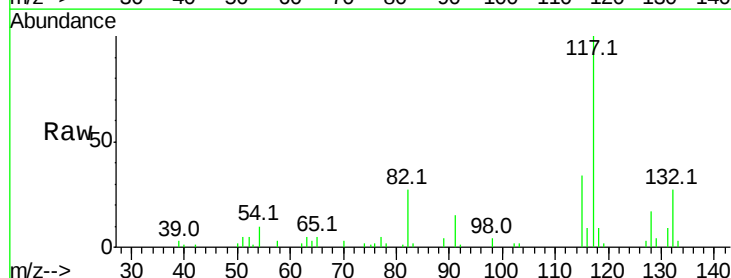
Tgt Ion: 77 Resp: 2265

Ion Ratio Lower Upper

77 100

123 0.0 39.0 58.4#

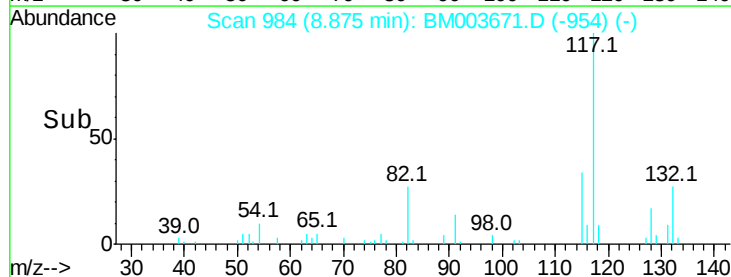
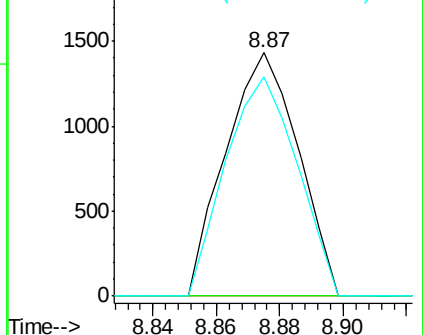
65 90.3 10.4 15.6#

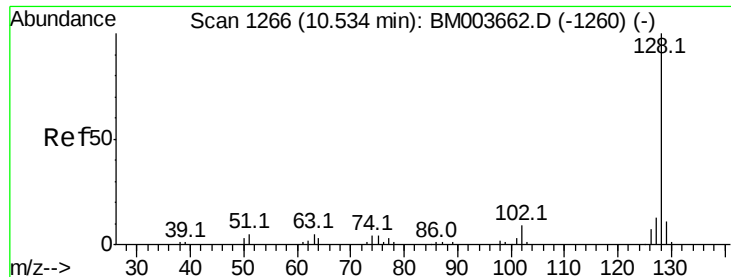


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

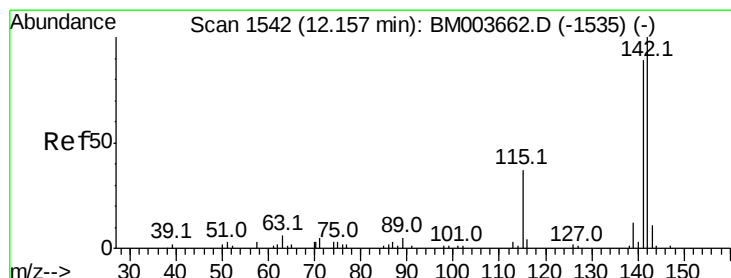
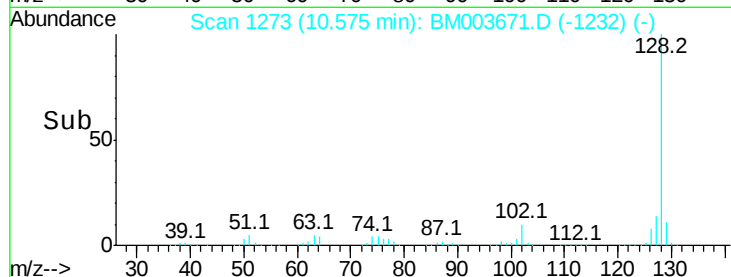
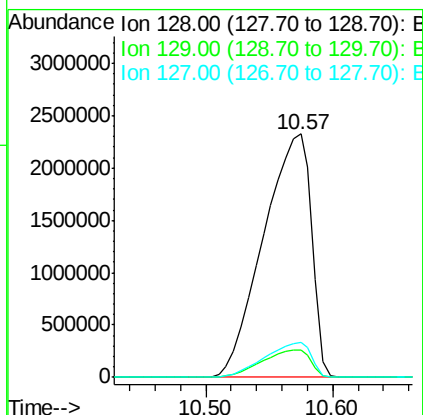
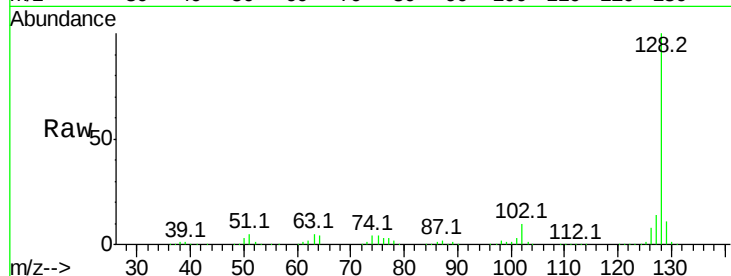




#28
Naphthalene
Concen: 1026.35 ng/ul
RT: 10.57 min Scan# 1273
Delta R.T. 0.04 min
Lab File: BM003671.D
Acq: 21 Dec 2015 01:13

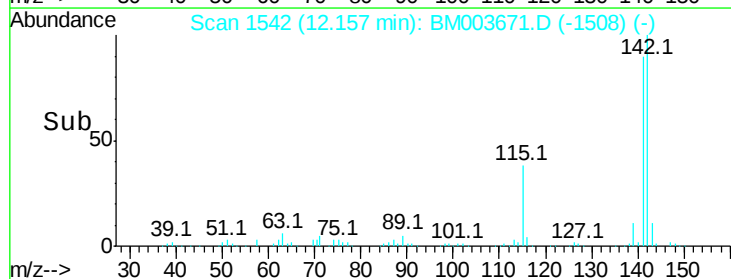
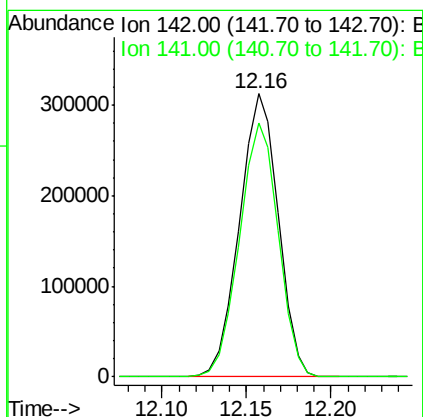
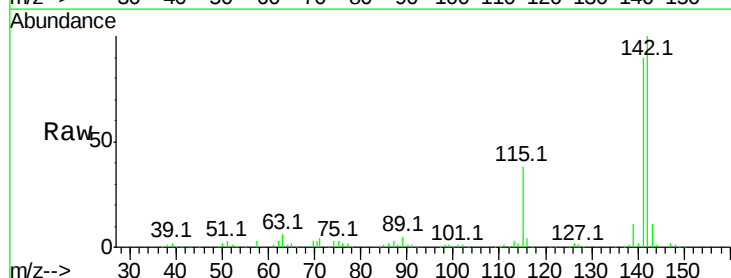
Instrument :
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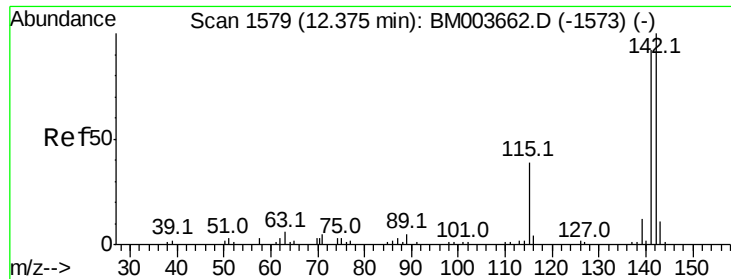
Tot Ion:128 Resp: 6153383
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.2 10.5 15.7



#34
2-Methylnaphthalene
Concen: 111.69 ng/ul
RT: 12.16 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BM003671.D
Acq: 21 Dec 2015 01:13

Tgt Ion:142 Resp: 500101
Ion Ratio Lower Upper
142 100
141 89.8 71.6 107.4

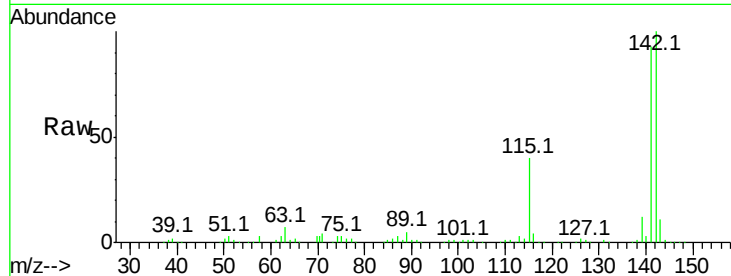




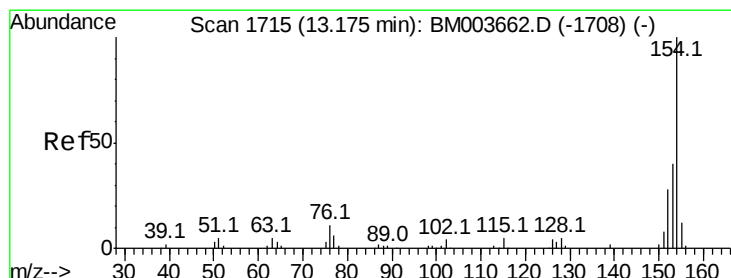
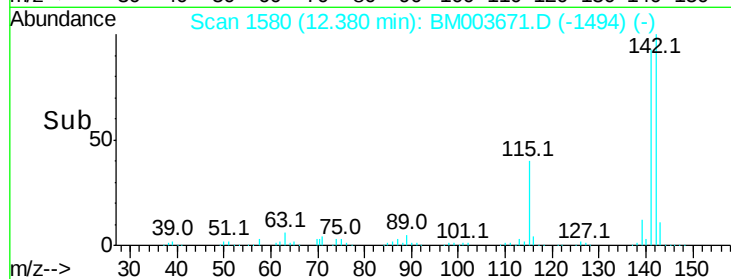
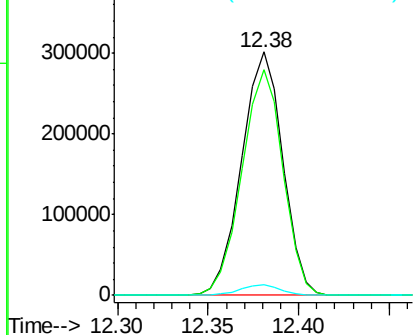
#35
 1-Methylnaphthalene
 Concen: 111.97 ng/ul
 RT: 12.38 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

Instrument :
 BNA_M
 ClientSampleId :
 G9DB4

Tot Ion:142 Resp: 476222
 Ion Ratio Lower Upper
 142 100
 141 92.7 74.9 112.3
 116 4.1 3.1 4.7

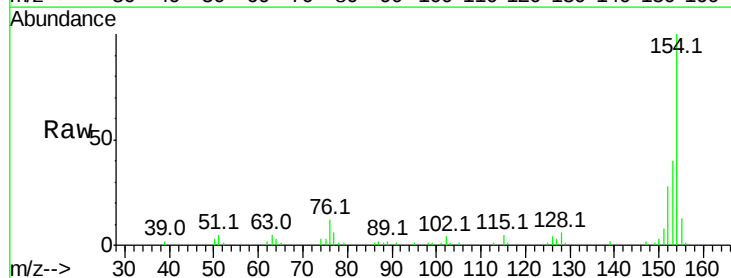


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

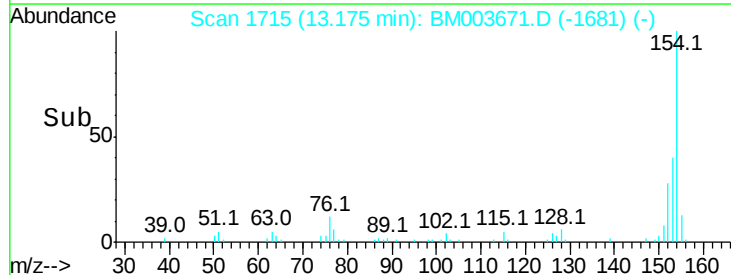
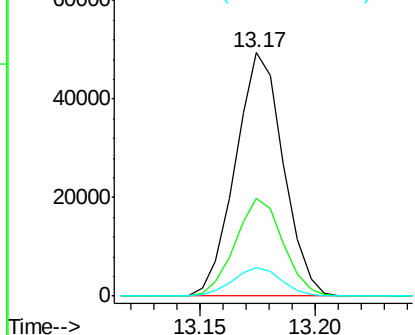


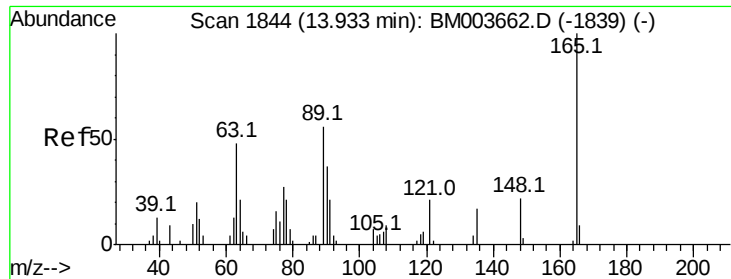
#41
 1,1'-Biphenyl
 Concen: 12.03 ng/ul
 RT: 13.17 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

Tgt Ion:154 Resp: 71418
 Ion Ratio Lower Upper
 154 100
 153 39.9 32.1 48.1
 76 11.6 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

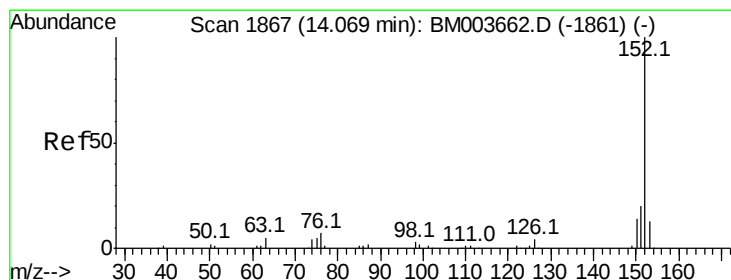
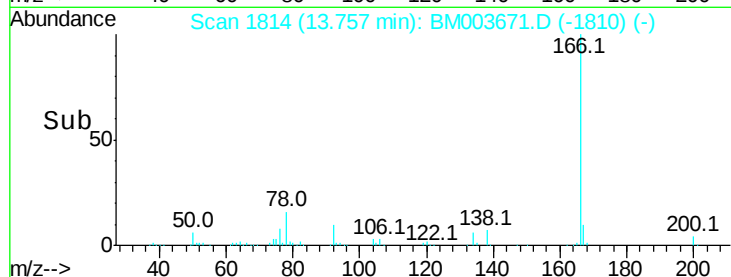
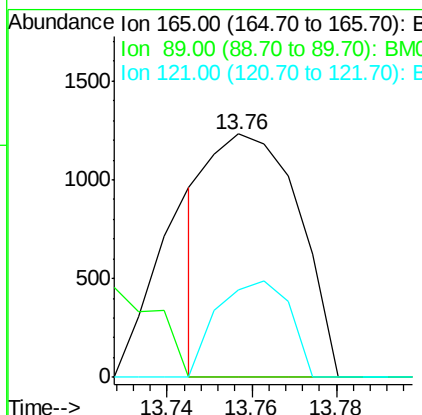
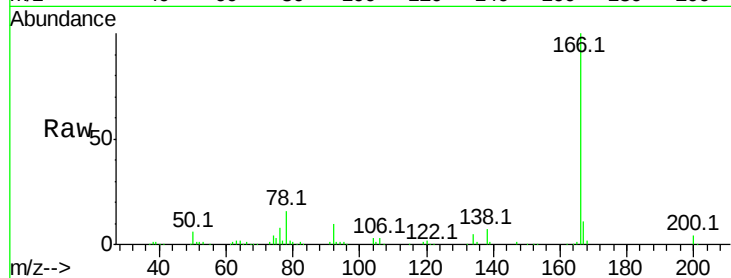




#46
 2,6-Dinitrotoluene
 Concen: 1.52 ng/ul
 RT: 13.76 min Scan# 1814
 Delta R.T. -0.18 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

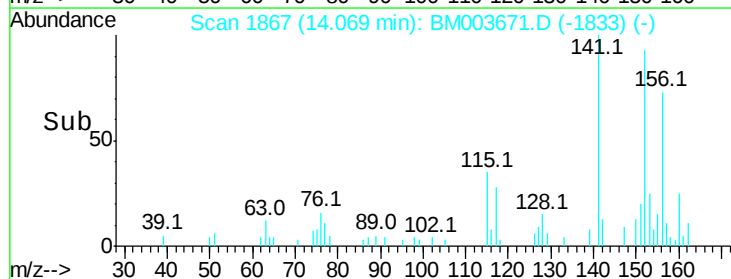
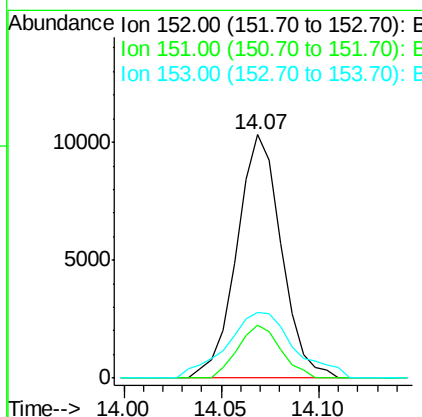
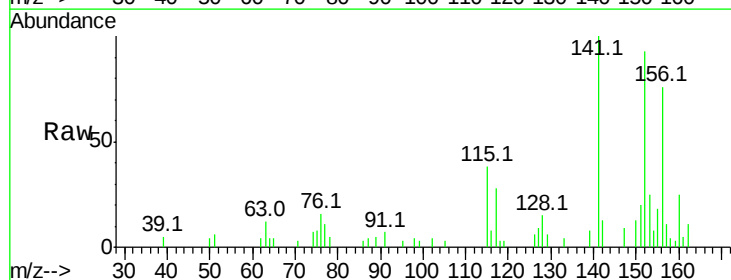
Instrument :
 BNA_M
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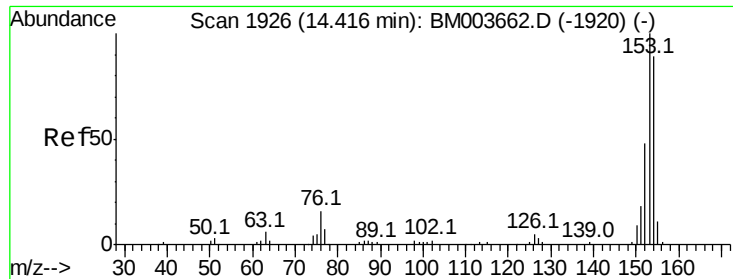
Tot Ion:165 Resp: 1830
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.4 63.6#
 121 35.8 16.6 24.8#



#48
 Acenaphthylene
 Concen: 2.17 ng/ul
 RT: 14.07 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

Tgt Ion:152 Resp: 16333
 Ion Ratio Lower Upper
 152 100
 151 21.5 15.7 23.5
 153 27.1 10.5 15.7#





#50

Acenaphthene

Concen: 50.65 ng/ul

RT: 14.42 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4

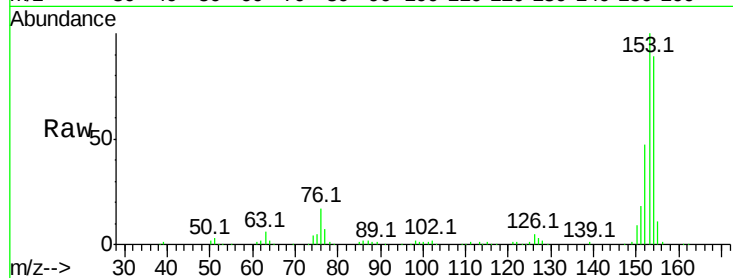
Tot Ion:153 Resp: 254440

Ion Ratio Lower Upper

153 100

152 47.3 38.3 57.5

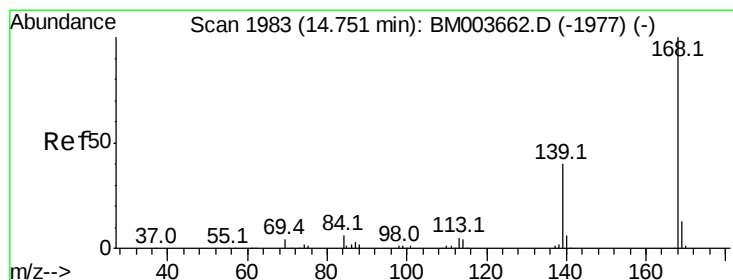
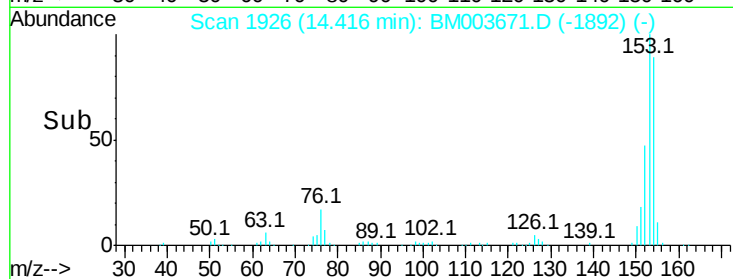
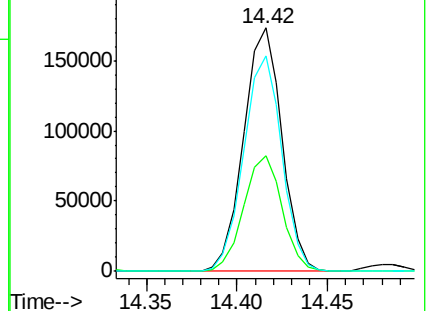
154 88.6 71.8 107.8



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



#54

Dibenzofuran

Concen: 1.65 ng/ul

RT: 14.75 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM003671.D

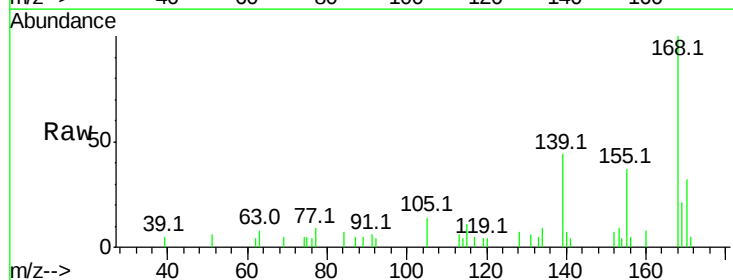
Acq: 21 Dec 2015 01:13

Tgt Ion:168 Resp: 11808

Ion Ratio Lower Upper

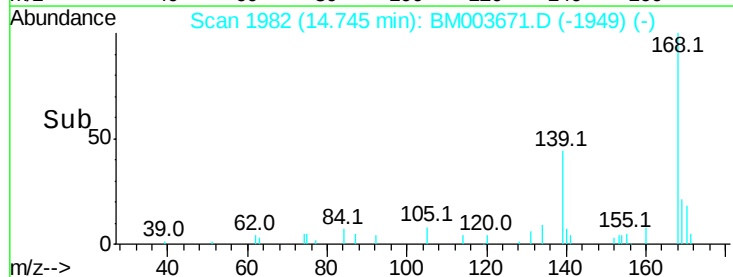
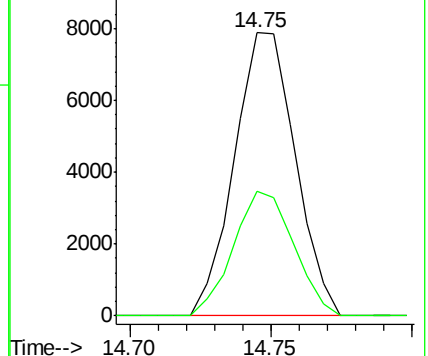
168 100

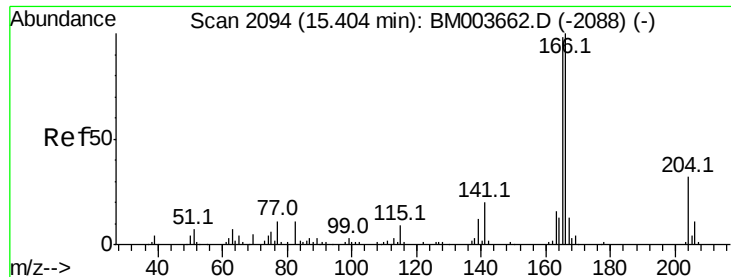
139 44.0 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 17.65 ng/ul

RT: 15.40 min Scan# 2093

Delta R.T. -0.01 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

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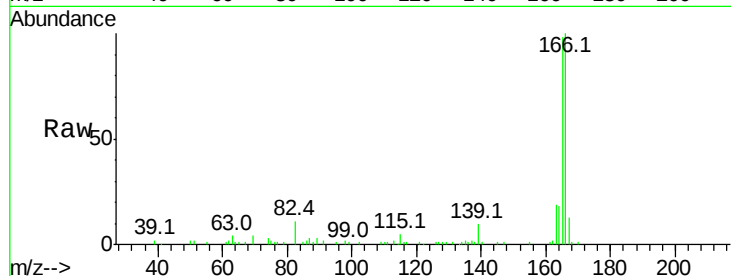
Tot Ion:166 Resp: 101610

Ion Ratio Lower Upper

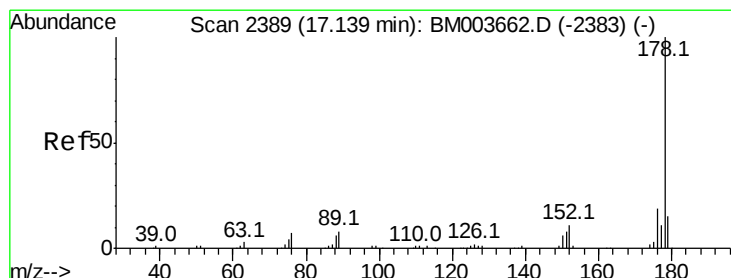
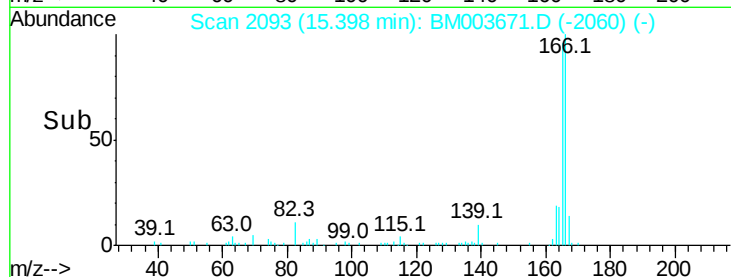
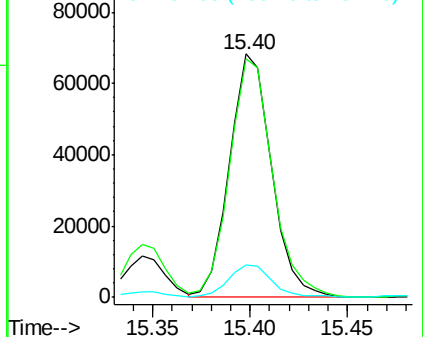
166 100

165 97.8 78.5 117.7

167 13.3 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: 24.08 ng/ul

RT: 17.14 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

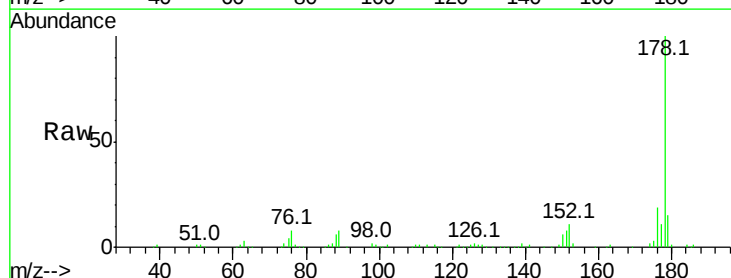
Tgt Ion:178 Resp: 235619

Ion Ratio Lower Upper

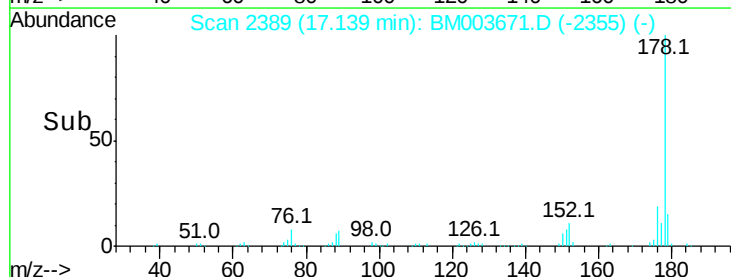
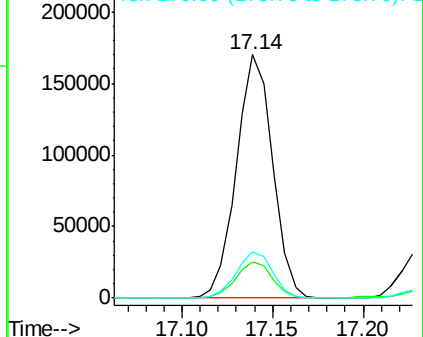
178 100

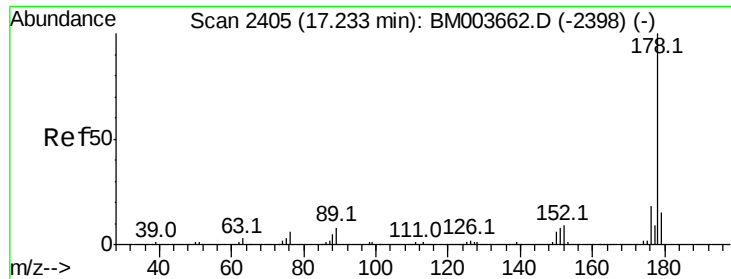
179 15.0 12.2 18.4

176 19.3 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: 4.35 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4

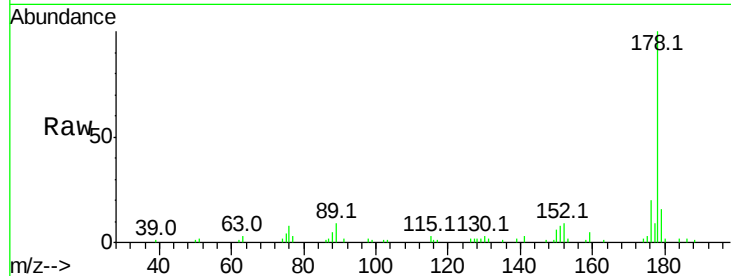
Tot Ion:178 Resp: 43404

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

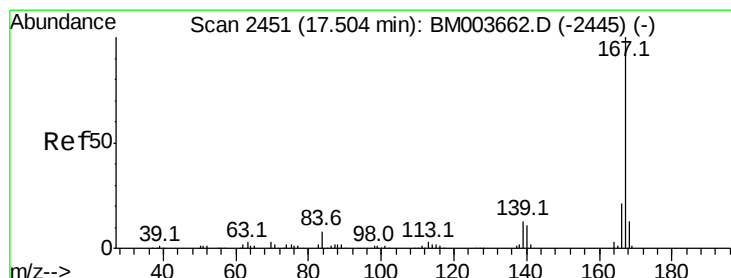
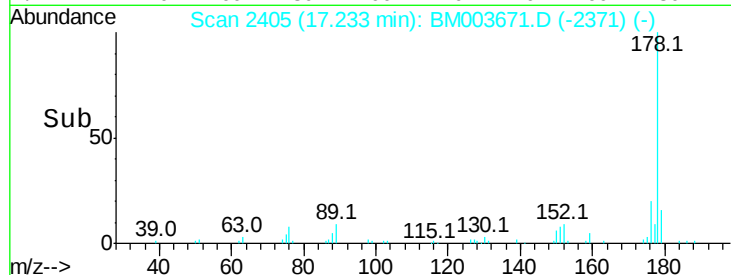
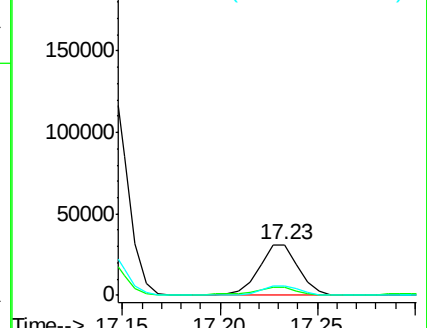
176 19.5 14.8 22.2



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: 5.99 ng/ul

RT: 17.50 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

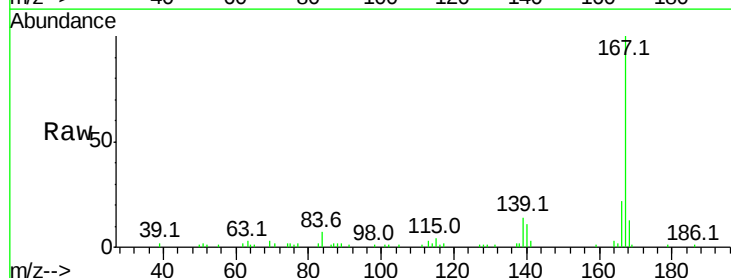
Tgt Ion:167 Resp: 54598

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

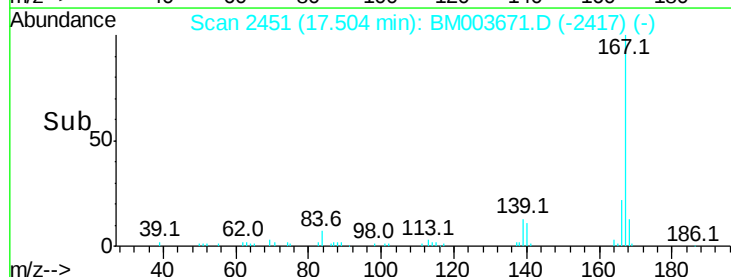
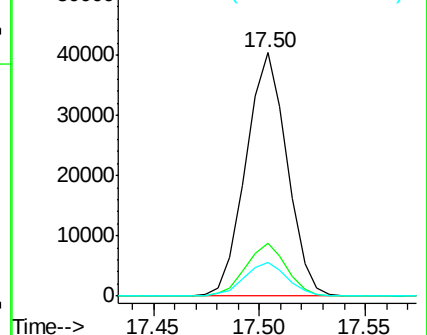
139 14.1 11.0 16.4

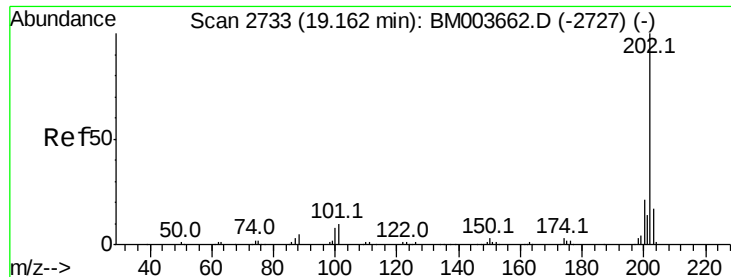


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

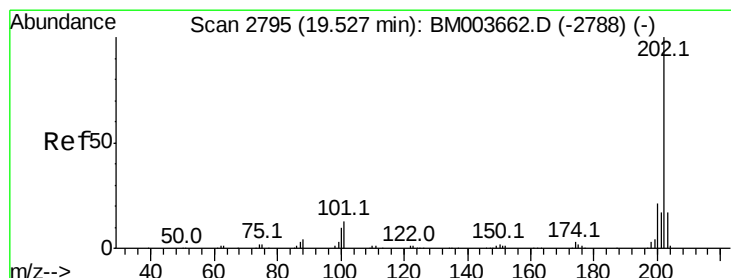
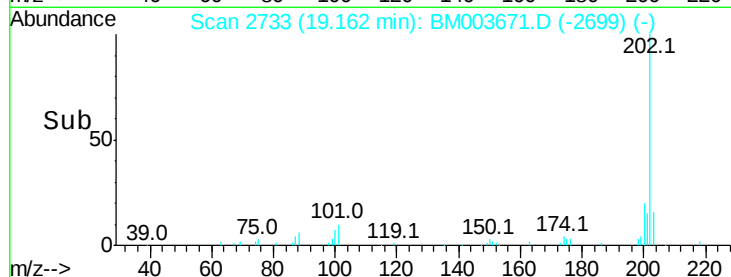
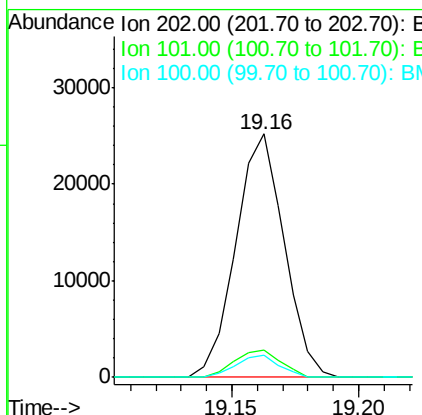
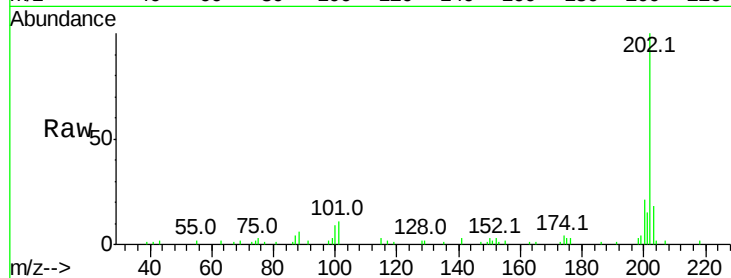




#77
Fluoranthene
 Concen: 2.98 ng/ul
 RT: 19.16 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

Instrument :
 BNA_M
 ClientSampleId :
 G9DB4

Tot Ion:202 Resp: 33490
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.8 13.2
 100 8.9 6.6 9.8



#80
Pyrene
 Concen: 3.76 ng/ul
 RT: 19.53 min Scan# 2795
 Delta R.T. -0.00 min
 Lab File: BM003671.D
 Acq: 21 Dec 2015 01:13

Tgt Ion:202 Resp: 48291
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.2 15.2
 100 10.6 8.5 12.7

