

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060815\
 Data File : BM001606.D
 Acq On : 09 Jun 2015 04:48
 Operator : TP/IZ
 Sample : PB83718BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Quant Time: Jun 09 18:12:07 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 17:36:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	21136	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	74823	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	34762	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	41117	5.00	ng	0.03
25) Chrysene-d12	21.28	240	59413	5.00	ng	0.00
32) Perylene-d12	23.51	264	54398	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	48728	10.14	ng	-0.02
5) Phenol-d6	6.84	99	62079	10.51	ng	-0.02
7) Nitrobenzene-d5	8.85	82	56866	10.79	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	18434	11.00	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	107889	9.53	ng	0.00
27) Terphenyl-d14	19.72	244	74062	9.55	ng	0.00

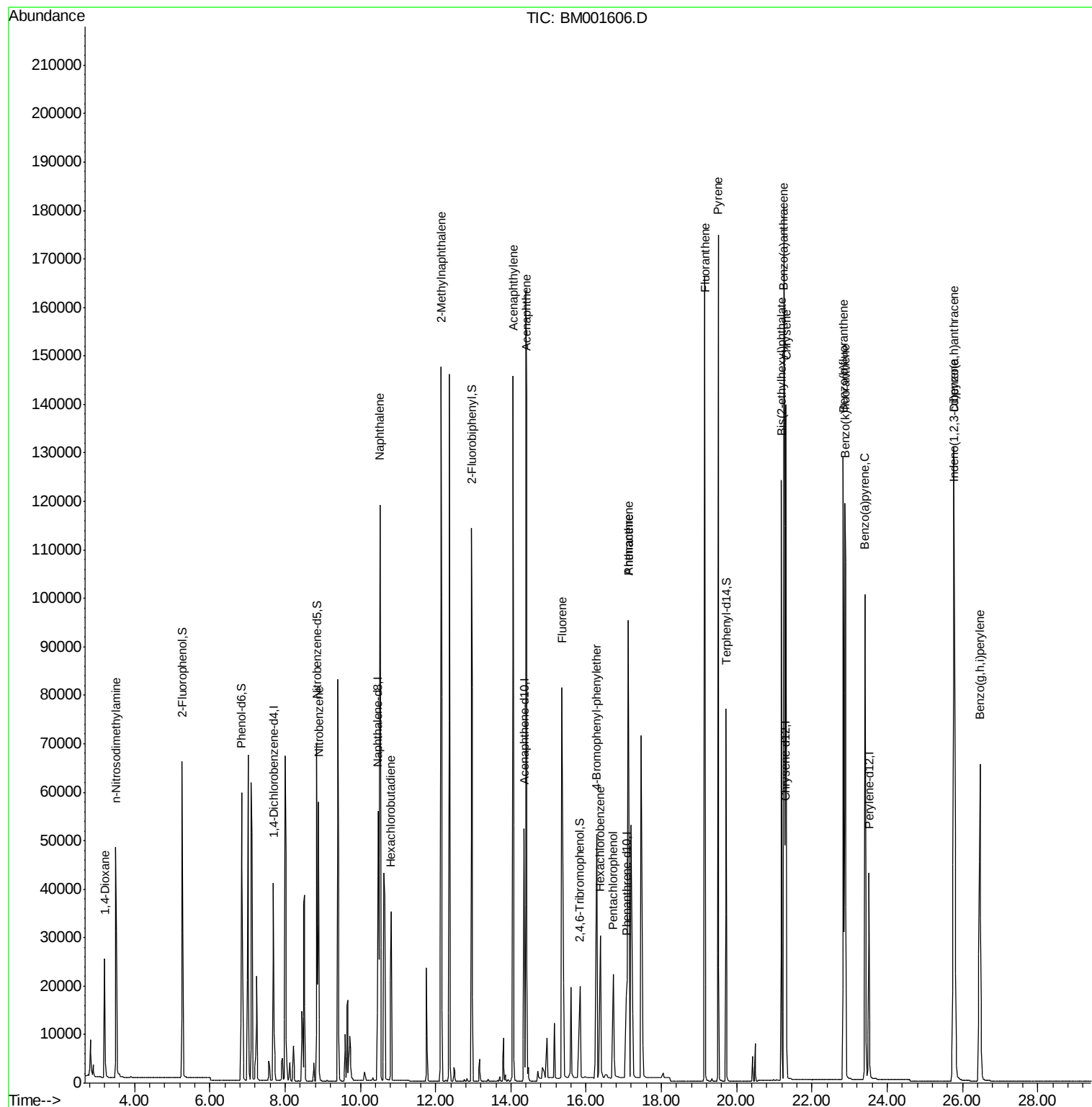
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	19904	8.56	ng	94
3) n-Nitrosodimethylamine	3.51	42	33723	10.14	ng	97
8) Nitrobenzene	8.89	77	62126	10.98	ng	98
9) Naphthalene	10.52	128	160641	9.59	ng	99
10) Hexachlorobutadiene	10.82	225	27488	9.53	ng	99
11) 2-Methylnaphthalene	12.15	142	102021	9.94	ng	98
15) Acenaphthylene	14.06	152	166523	10.67	ng	100
16) Acenaphthene	14.41	154	97512	9.94	ng	96
17) Fluorene	15.36	166	65919	9.92	ng	98
19) 4-Bromophenyl-phenylether	16.27	248	44657	11.45	ng	89
20) Hexachlorobenzene	16.38	284	23989	11.25	ng	# 74
21) Pentachlorophenol	16.72	266	9913	13.89	ng	92
22) Phenanthrene	17.12	178	249590	17.00	ng	96
23) Anthracene	17.12	178	241957	27.78	ng	# 79
24) Fluoranthene	19.15	202	177375	11.16	ng	100
26) Pyrene	19.52	202	186930	9.71	ng	100
28) Benzo(a)anthracene	21.25	228	168245	9.70	ng	97
29) Chrysene	21.31	228	152652	9.31	ng	99
30) Bis(2-ethylhexyl)phthalate	21.19	149	111757	11.15	ng	98
31) Indeno(1,2,3-cd)pyrene	25.76	276	162632	9.76	ng	99
33) Benzo(b)fluoranthene	22.83	252	156380	9.56	ng	98
34) Benzo(k)fluoranthene	22.88	252	151086	9.58	ng	97
35) Benzo(a)pyrene	23.41	252	140480	9.73	ng	96
36) Dibenzo(a,h)anthracene	25.78	278	126791	9.60	ng	97
37) Benzo(g,h,i)perylene	26.46	276	131222	9.22	ng	99

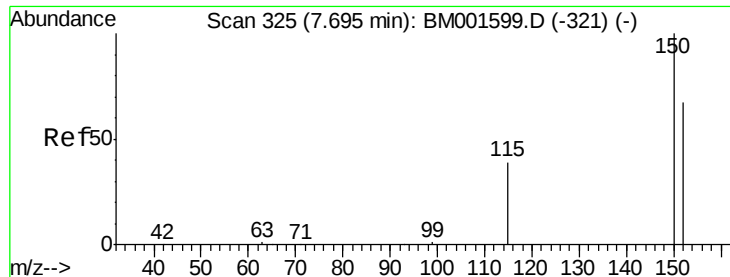
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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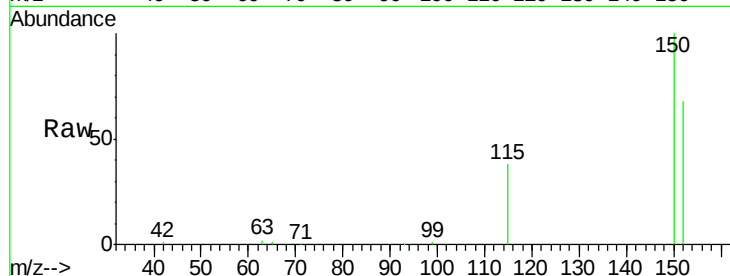




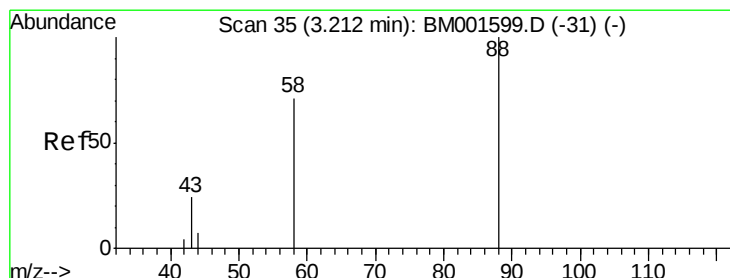
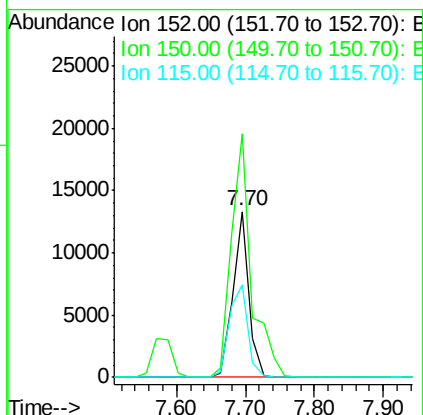
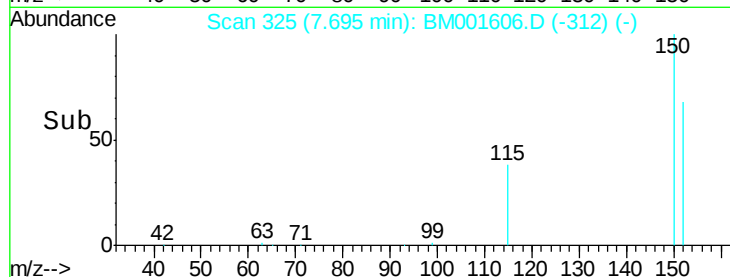
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.70 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Tgt Ion:152 Resp: 21136
 Ion Ratio Lower Upper
 152 100
 150 146.6 120.1 180.1
 115 56.0 47.0 70.6

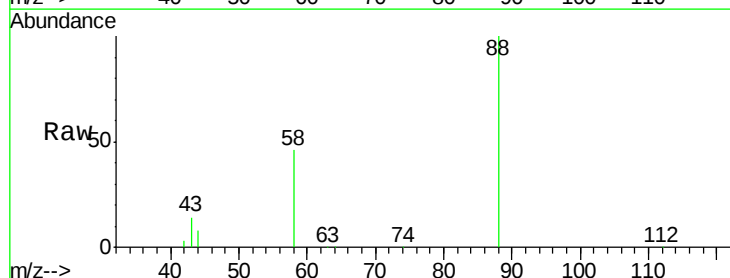


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

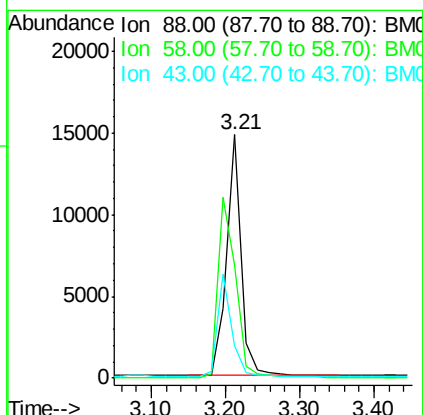
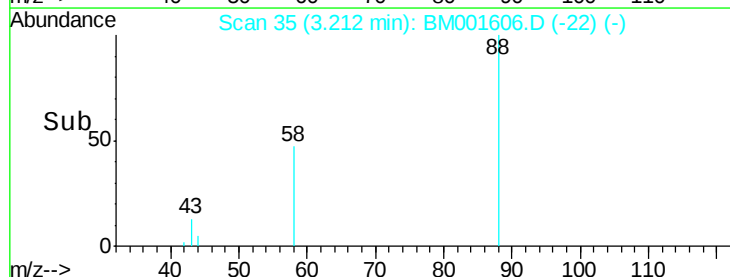


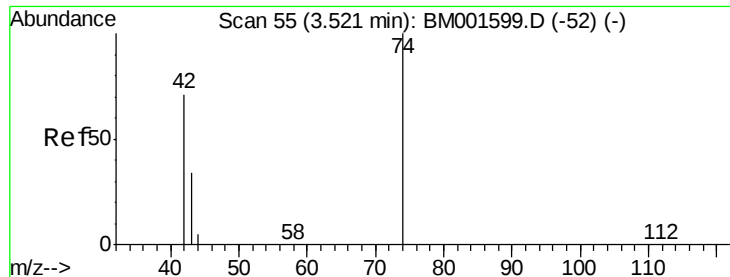
#2
 1,4-Dioxane
 Concen: 8.56 ng
 RT: 3.21 min Scan# 35
 Delta R.T. 0.00 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Tgt Ion: 88 Resp: 19904
 Ion Ratio Lower Upper
 88 100
 58 88.9 65.5 98.3
 43 41.3 32.2 48.2



Abundance Ion 88.00 (87.70 to 88.70): BM0
 Ion 58.00 (57.70 to 58.70): BM0
 Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 10.14 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

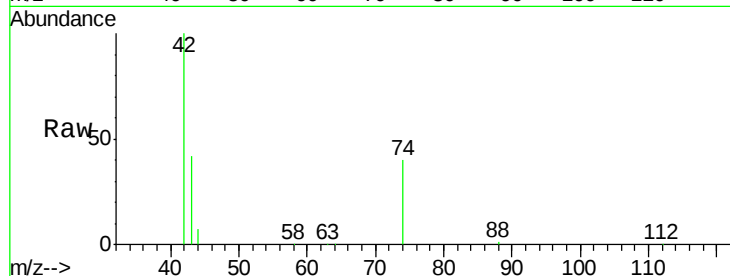
Tgt Ion: 42 Resp: 33723

Ion Ratio Lower Upper

42 100

74 96.9 79.5 119.3

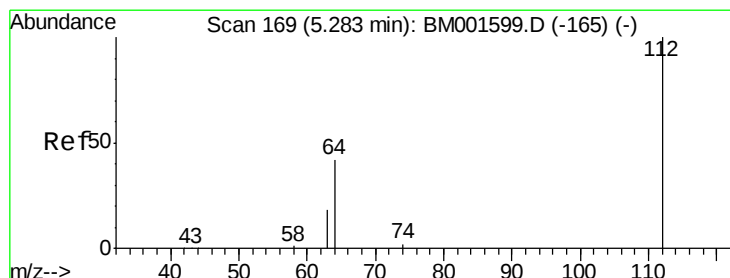
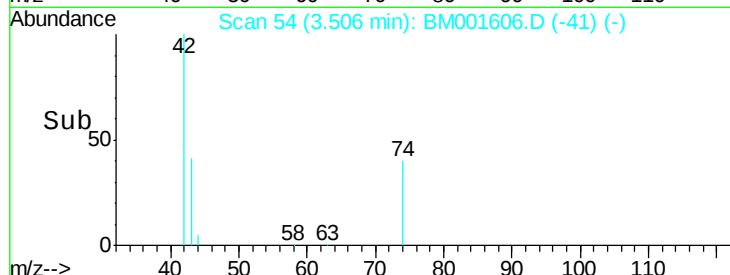
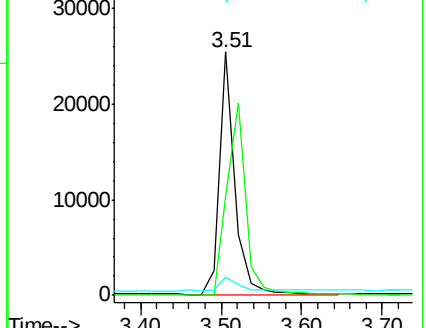
44 6.1 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BM001599.D (-52) (-)

Ion 74.00 (73.70 to 74.70): BM001599.D (-52) (-)

Ion 44.00 (43.70 to 44.70): BM001599.D (-52) (-)



#4

2-Fluorophenol

Concen: 10.14 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.02 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

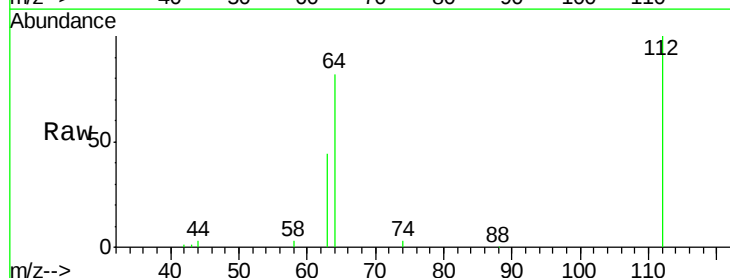
Tgt Ion: 112 Resp: 48728

Ion Ratio Lower Upper

112 100

64 68.5 54.8 82.2

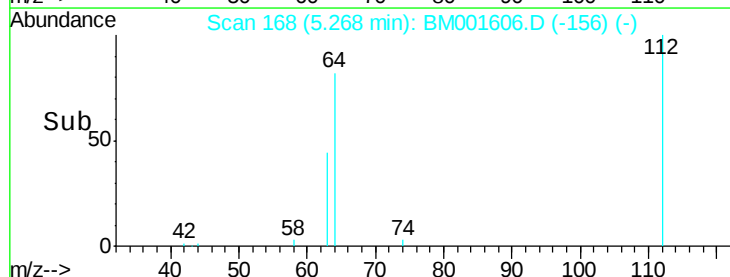
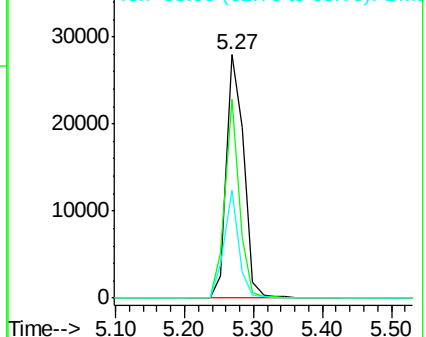
63 37.5 30.5 45.7

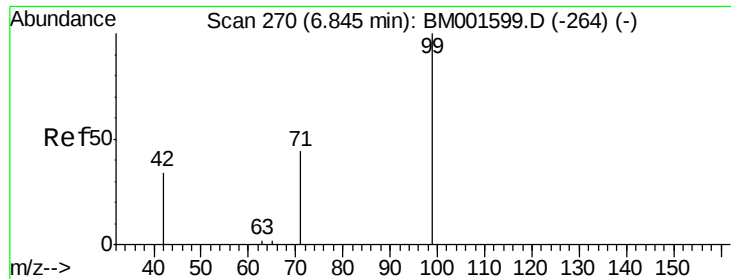


Abundance Ion 112.00 (111.70 to 112.70): BM001599.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001599.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001599.D (-165) (-)





#5

Phenol-d6

Concen: 10.51 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

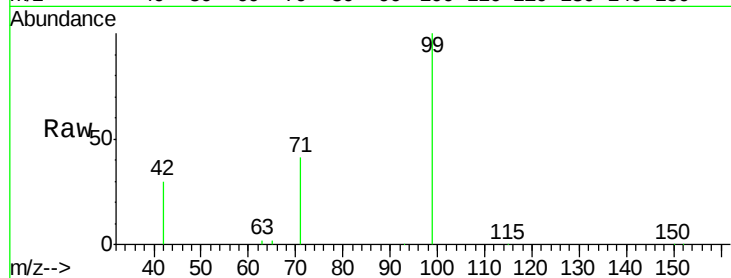
Tgt Ion: 99 Resp: 62079

Ion Ratio Lower Upper

99 100

42 26.4 21.6 32.4

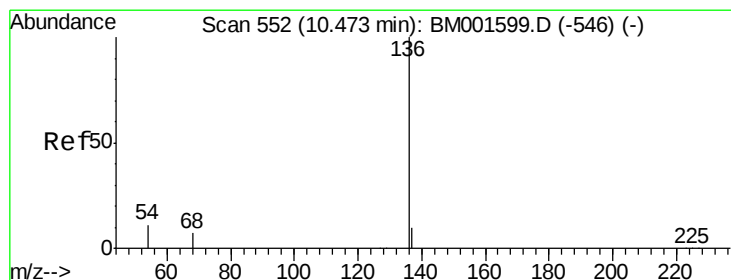
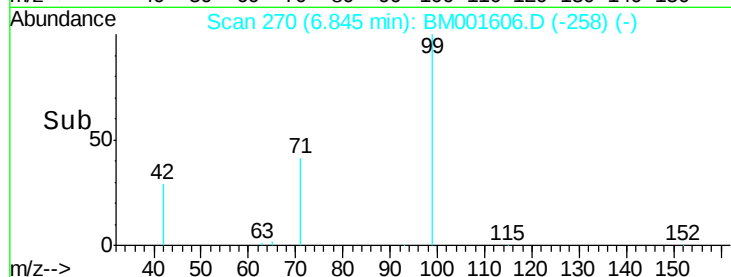
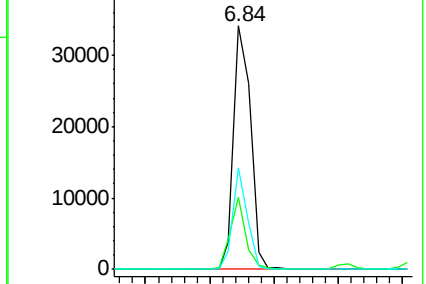
71 35.7 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001599.D (-264) (-)

Ion 42.00 (41.70 to 42.70): BM001599.D (-264) (-)

Ion 71.00 (70.70 to 71.70): BM001599.D (-264) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Tgt Ion: 136 Resp: 74823

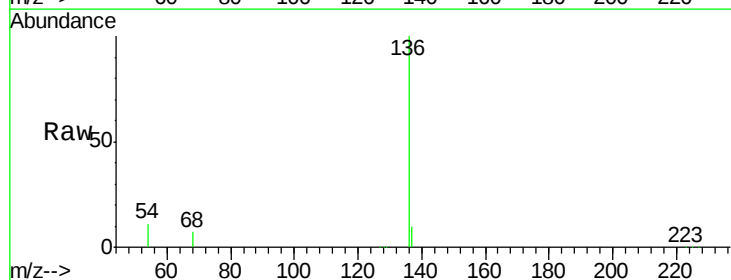
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 11.1 9.2 13.8

68 6.8 5.5 8.3

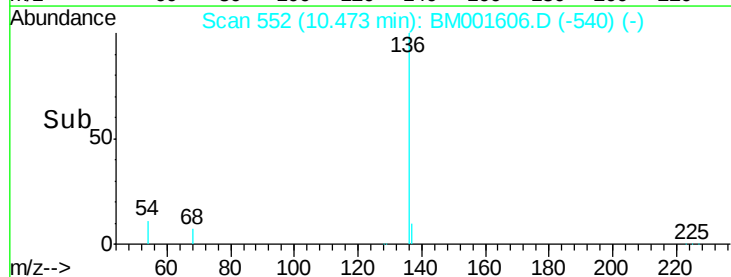
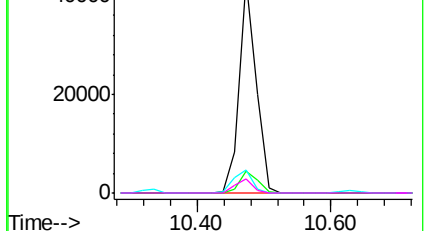


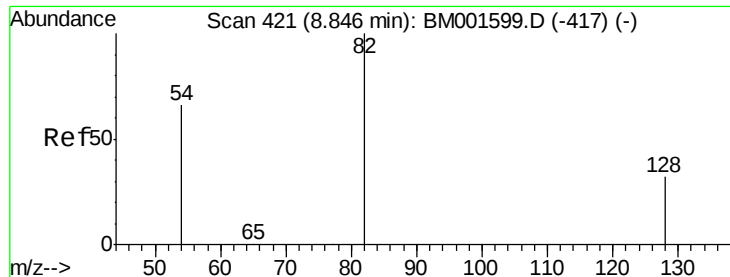
Abundance Ion 136.00 (135.70 to 136.70): BM001599.D (-546) (-)

Ion 137.00 (136.70 to 137.70): BM001599.D (-546) (-)

Ion 54.00 (53.70 to 54.70): BM001599.D (-546) (-)

Ion 68.00 (67.70 to 68.70): BM001599.D (-546) (-)





#7

Nitrobenzene-d5

Concen: 10.79 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

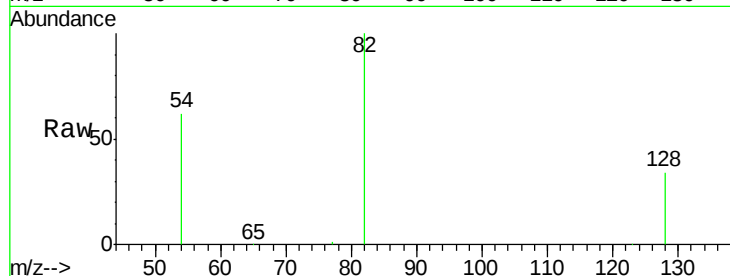
Tgt Ion: 82 Resp: 56866

Ion Ratio Lower Upper

82 100

128 33.9 26.6 40.0

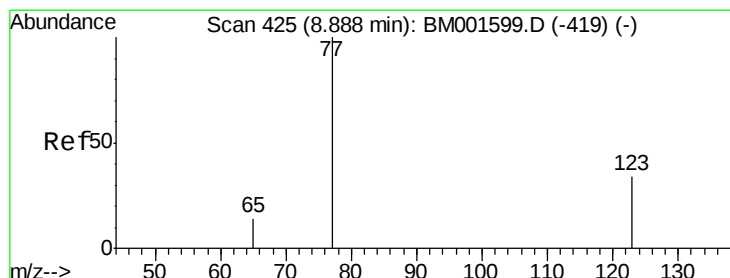
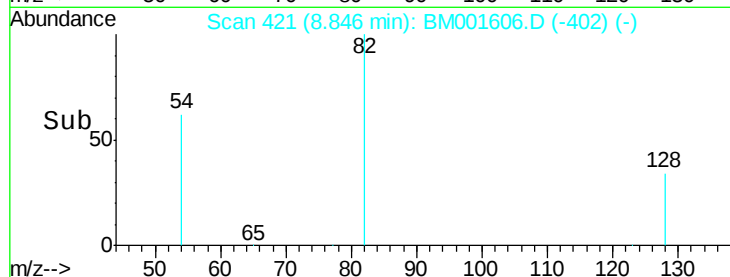
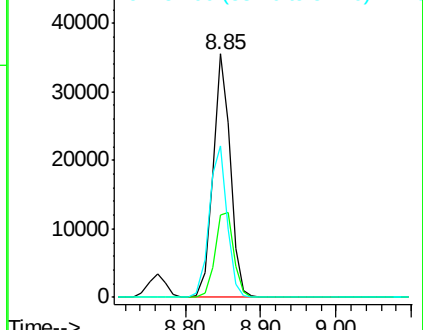
54 62.2 53.0 79.6



Abundance Ion 82.00 (81.70 to 82.70): BM001599.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001599.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001599.D (-417) (-)



#8

Nitrobenzene

Concen: 10.98 ng

RT: 8.89 min Scan# 425

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

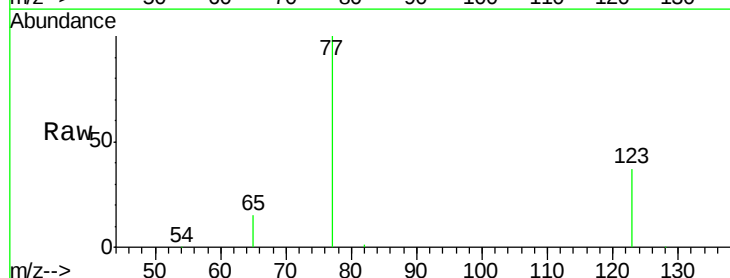
Tgt Ion: 77 Resp: 62126

Ion Ratio Lower Upper

77 100

123 40.4 31.0 46.6

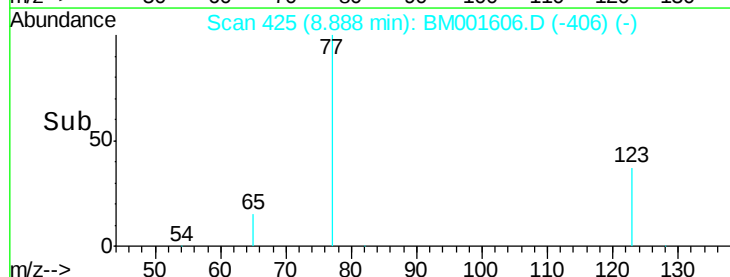
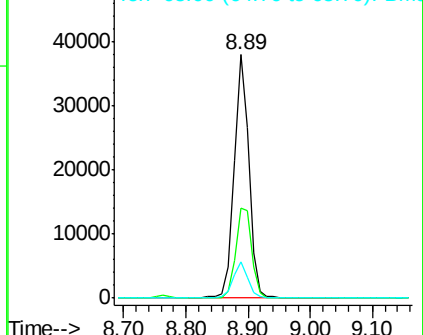
65 14.6 11.4 17.0

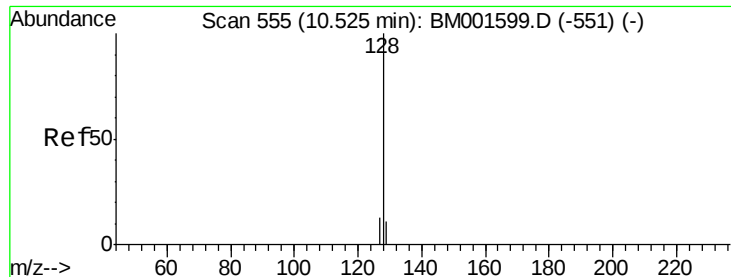


Abundance Ion 77.00 (76.70 to 77.70): BM001599.D (-419) (-)

Ion 123.00 (122.70 to 123.70): BM001599.D (-419) (-)

Ion 65.00 (64.70 to 65.70): BM001599.D (-419) (-)





#9

Naphthalene

Concen: 9.59 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

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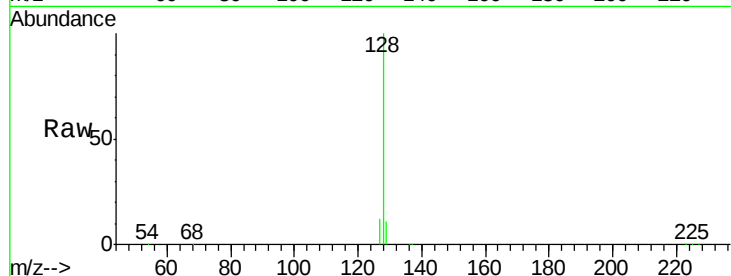
Tgt Ion:128 Resp: 160641

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

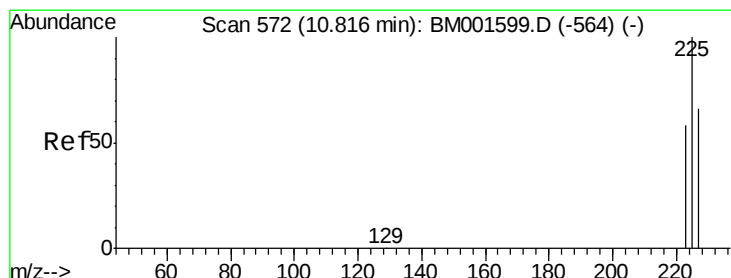
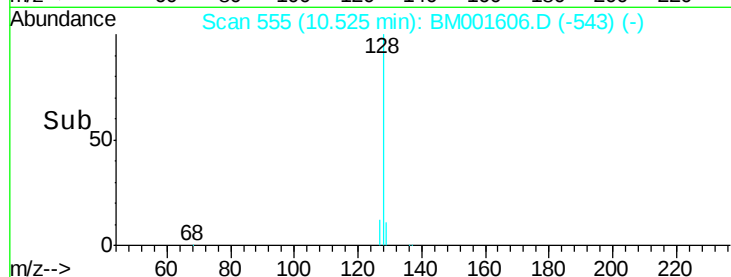
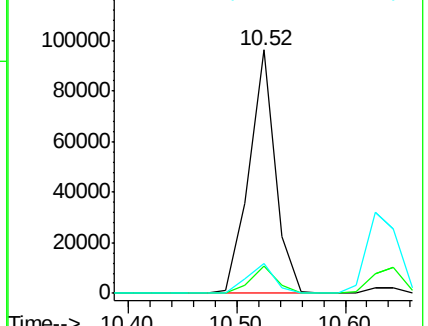
127 12.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 9.53 ng

RT: 10.82 min Scan# 572

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

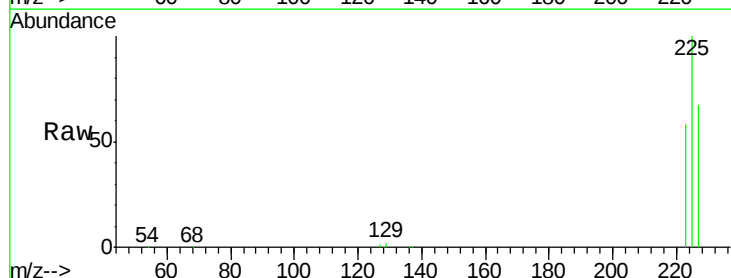
Tgt Ion:225 Resp: 27488

Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

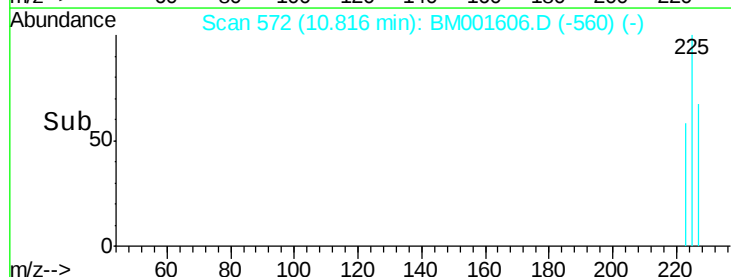
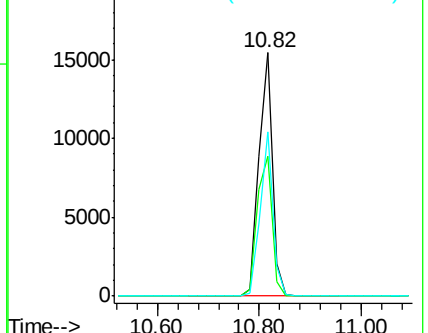
227 63.5 50.9 76.3

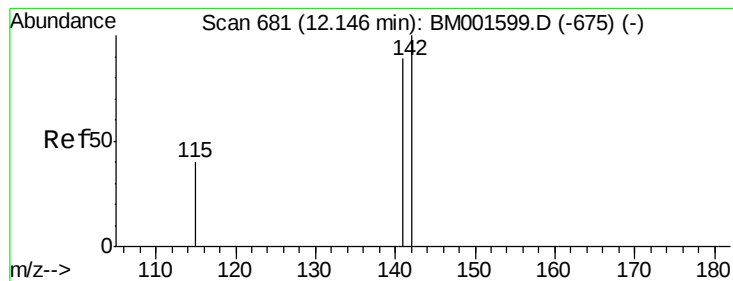


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 9.94 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

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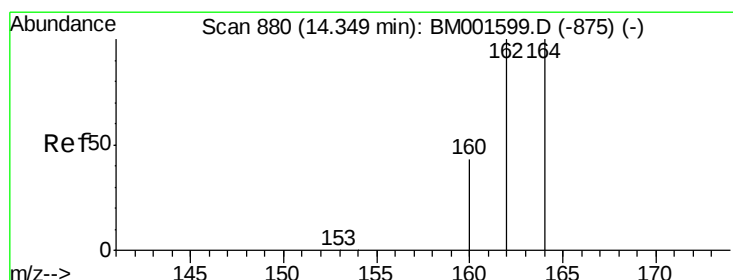
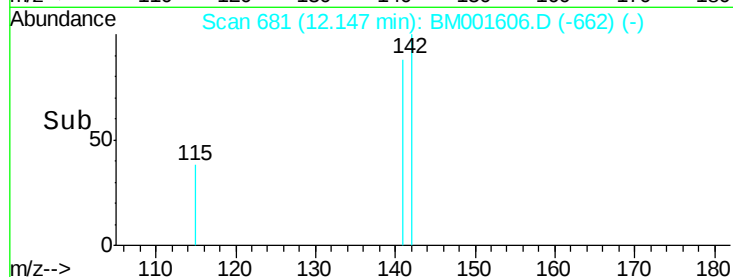
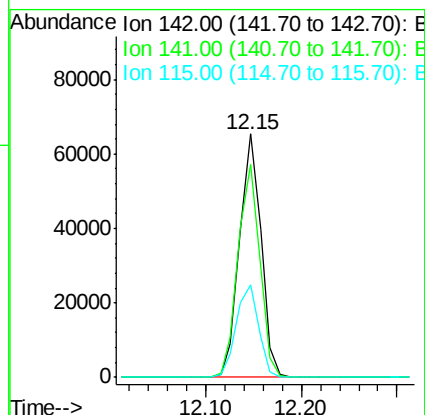
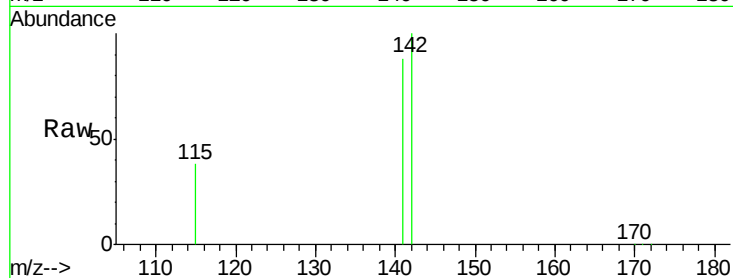
Tgt Ion:142 Resp: 102021

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9

115 38.1 32.1 48.1



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. 0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

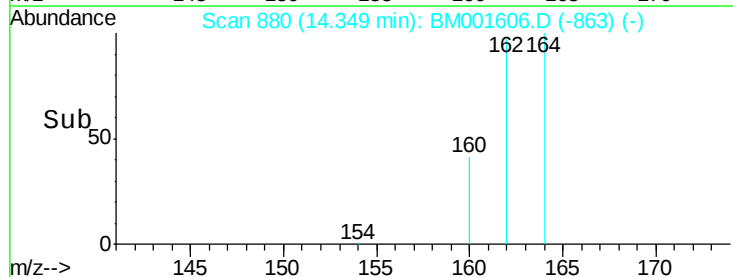
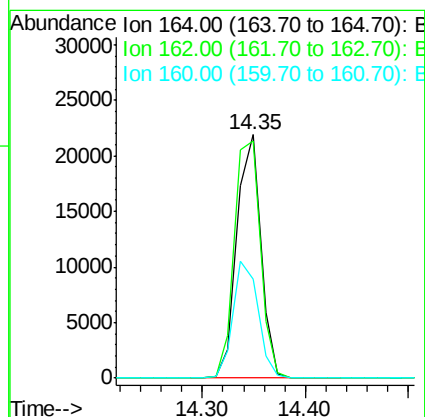
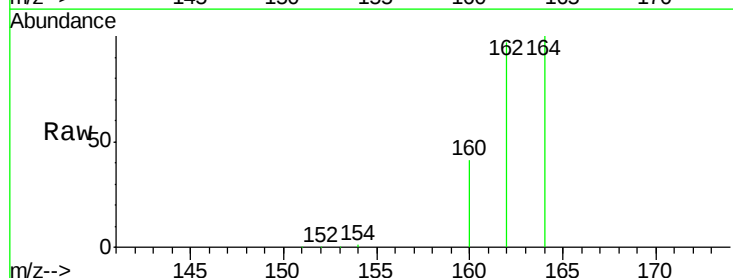
Tgt Ion:164 Resp: 34762

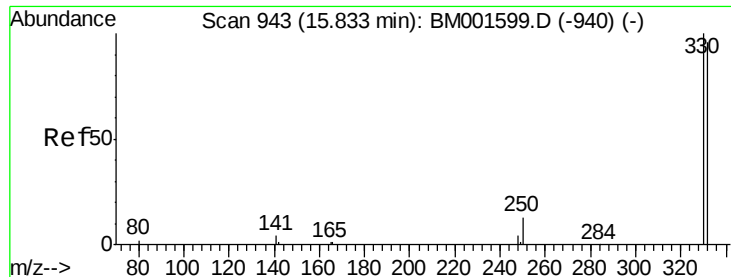
Ion Ratio Lower Upper

164 100

162 97.4 79.8 119.6

160 40.7 34.6 51.8

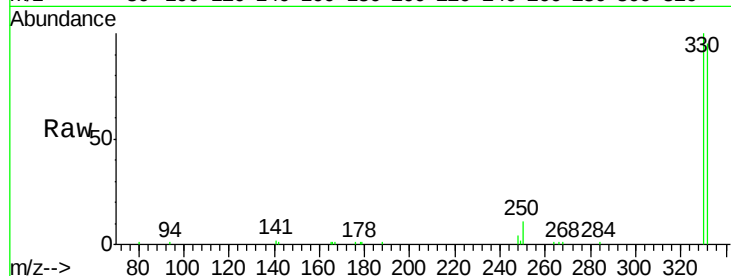




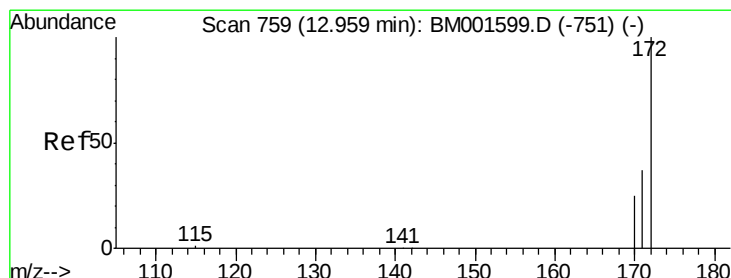
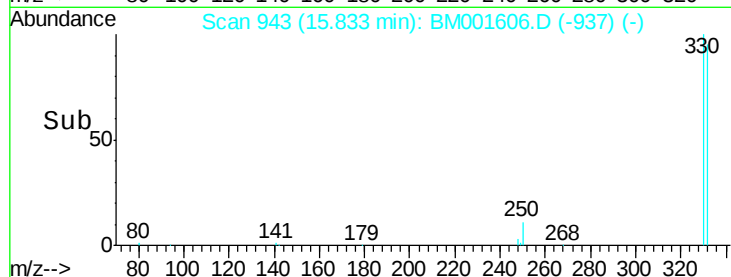
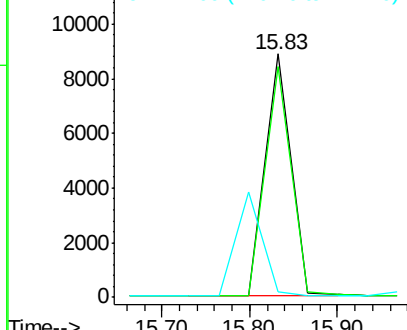
#13
 2,4,6-Tribromophenol
 Concen: 11.00 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Tgt Ion:330 Resp: 18434
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.7 115.1
 141 0.0 0.0 0.0

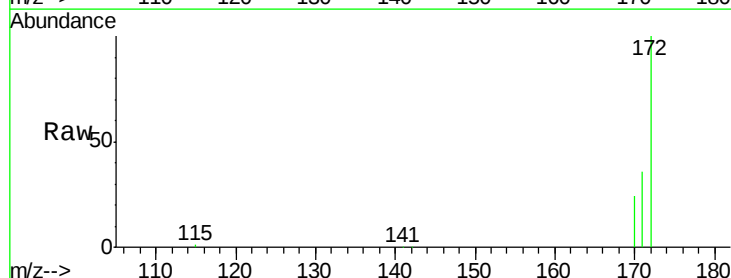


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

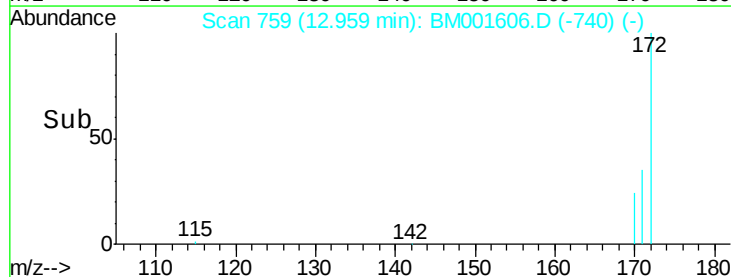
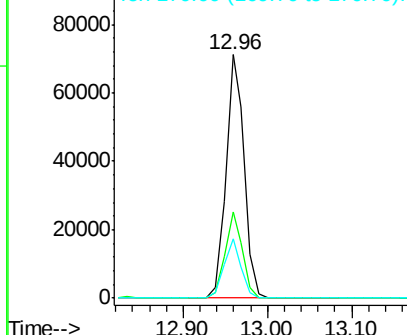


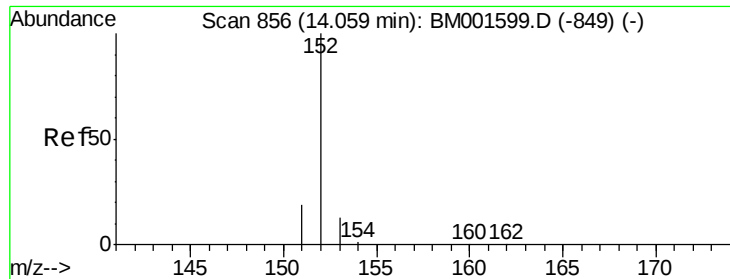
#14
 2-Fluorobiphenyl
 Concen: 9.53 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Tgt Ion:172 Resp: 107889
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.5 20.6 31.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 10.67 ng

RT: 14.06 min Scan# 856

Delta R.T. 0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

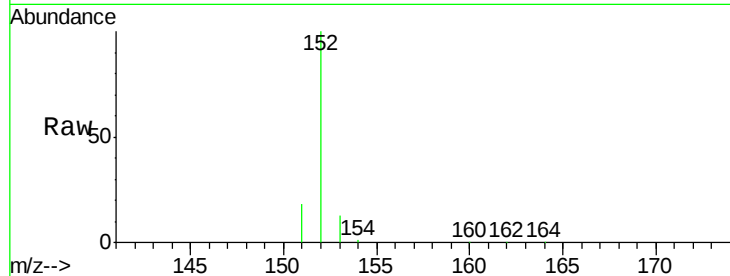
Tgt Ion:152 Resp: 166523

Ion Ratio Lower Upper

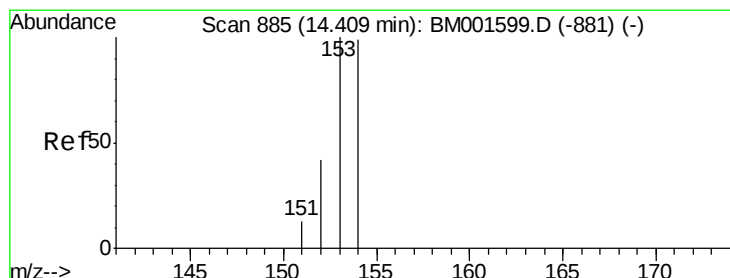
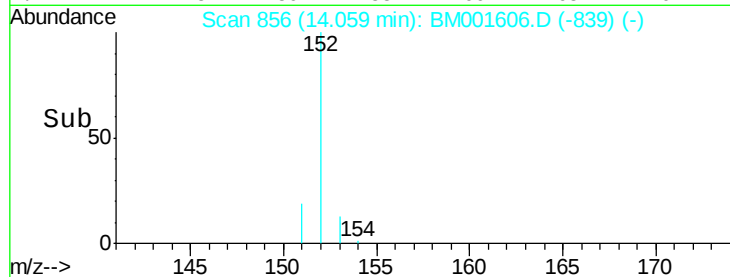
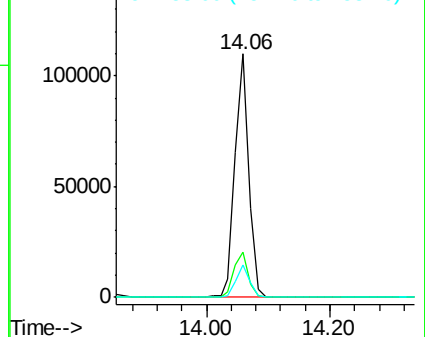
152 100

151 19.2 15.5 23.3

153 12.9 10.3 15.5



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



#16

Acenaphthene

Concen: 9.94 ng

RT: 14.41 min Scan# 885

Delta R.T. 0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

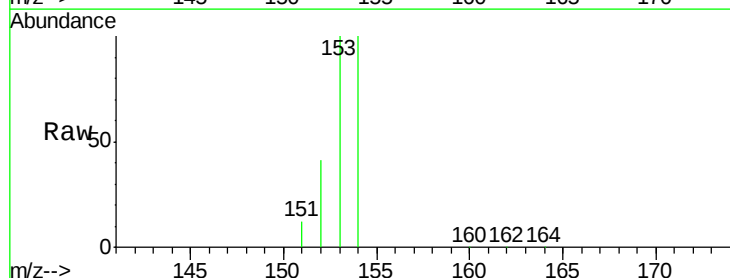
Tgt Ion:154 Resp: 97512

Ion Ratio Lower Upper

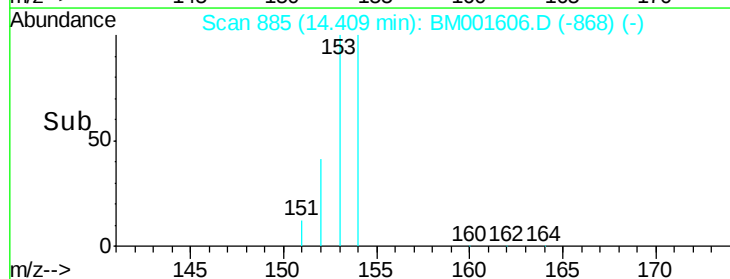
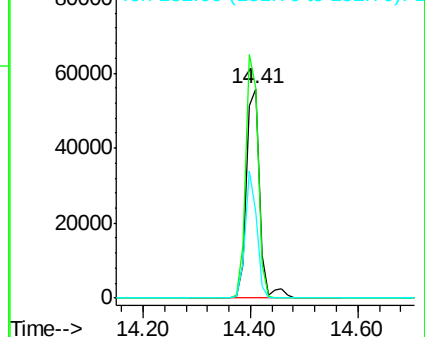
154 100

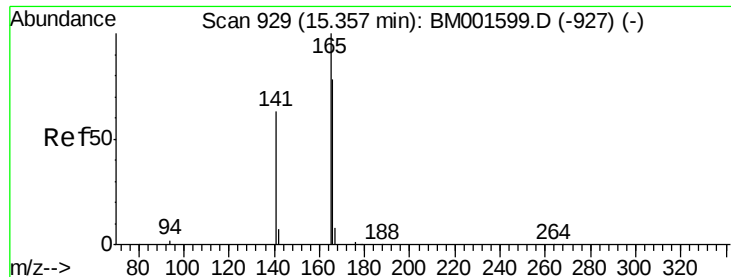
153 107.9 89.4 134.0

152 51.9 43.6 65.4



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

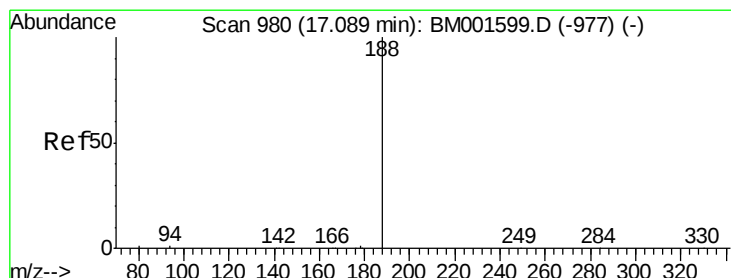
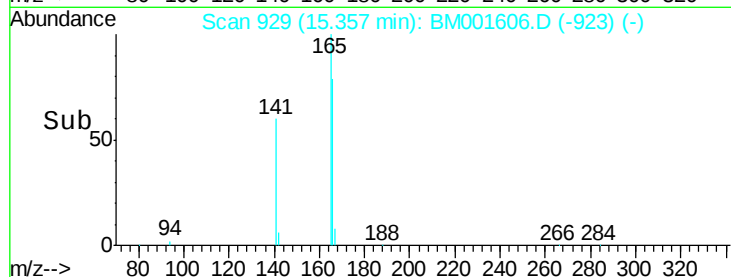
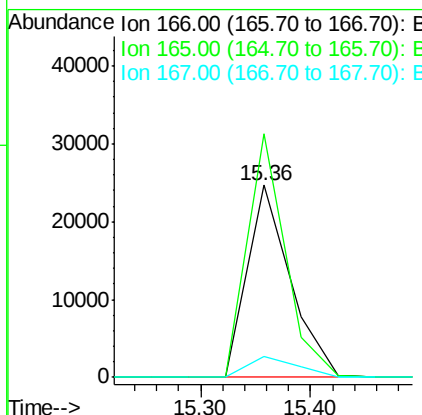
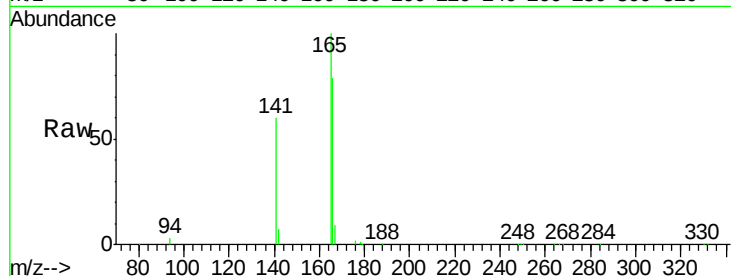




#17
Fluorene
 Concen: 9.92 ng
 RT: 15.36 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

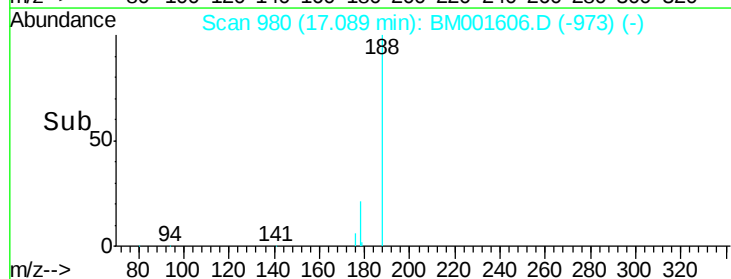
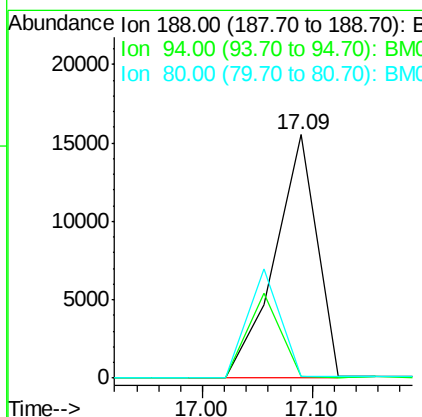
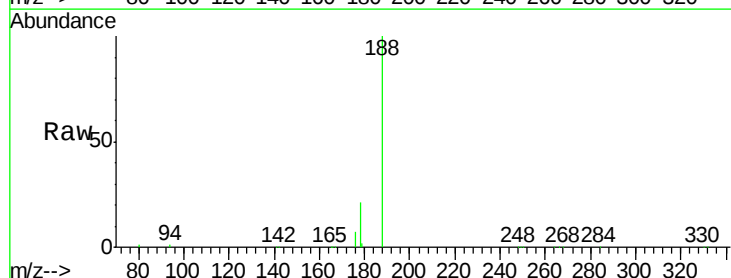
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

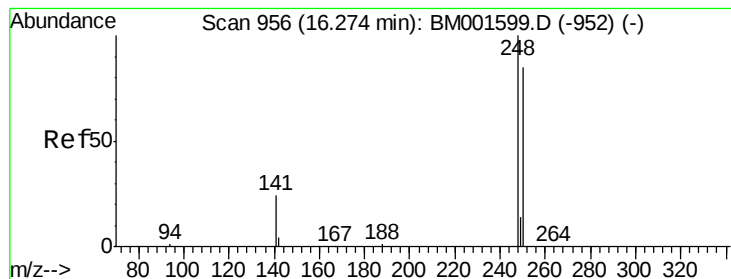
Tgt Ion:166 Resp: 65919
 Ion Ratio Lower Upper
 166 100
 165 112.4 87.8 131.8
 167 12.4 10.0 15.0



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.09 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Tgt Ion:188 Resp: 41117
 Ion Ratio Lower Upper
 188 100
 94 0.8 1.0 1.6#
 80 0.8 1.0 1.4#





#19

4-Bromophenyl-phenylether

Concen: 11.45 ng

RT: 16.27 min Scan# 956

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

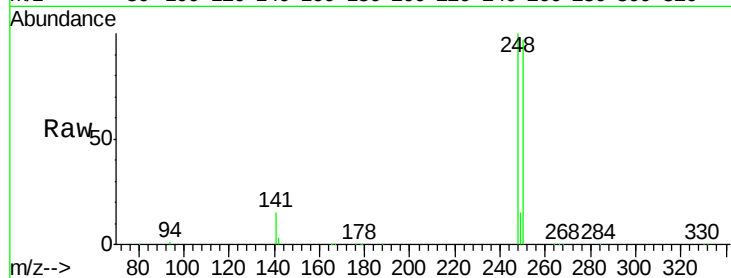
Tgt Ion:248 Resp: 44657

Ion Ratio Lower Upper

248 100

250 96.7 68.6 103.0

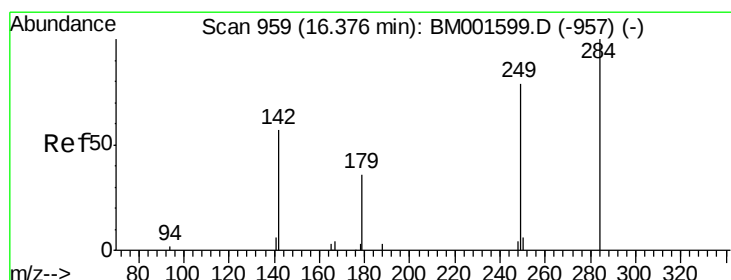
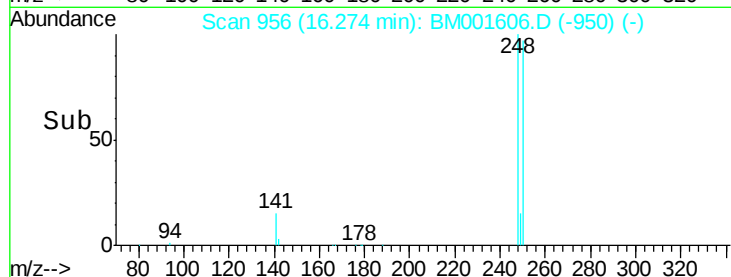
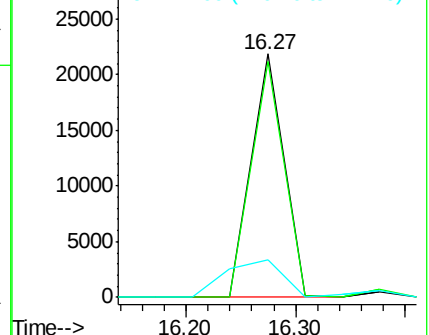
141 27.3 25.5 38.3



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 11.25 ng

RT: 16.38 min Scan# 959

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

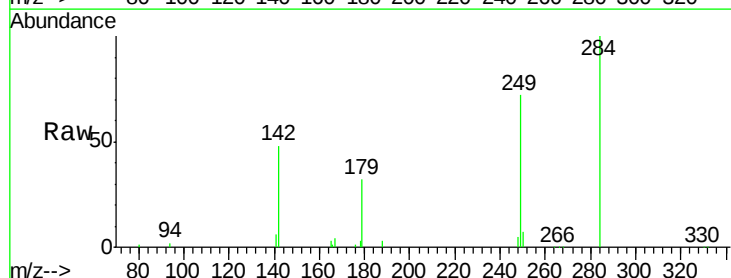
Tgt Ion:284 Resp: 23989

Ion Ratio Lower Upper

284 100

142 47.6 47.3 70.9

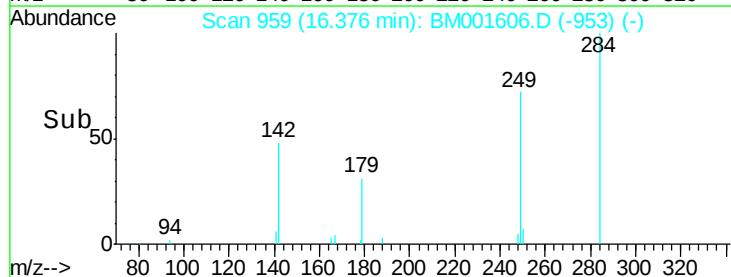
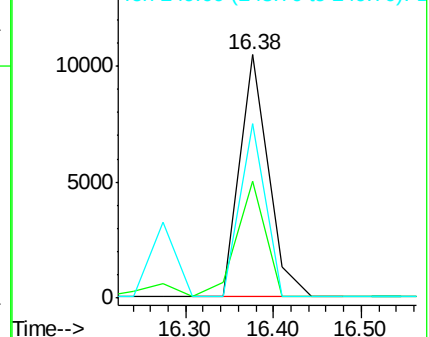
249 63.8 75.8 113.6#

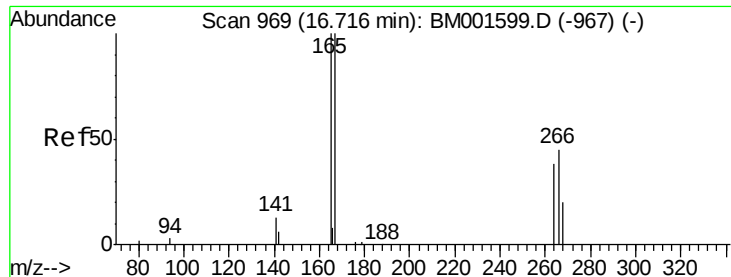


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

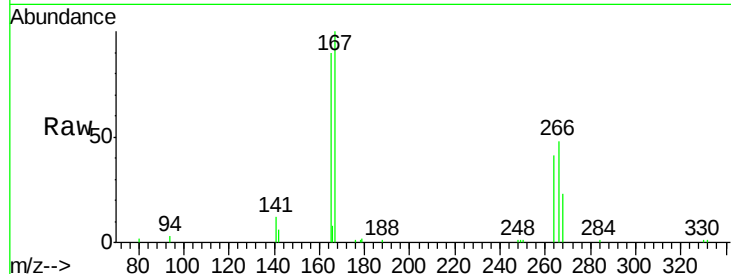




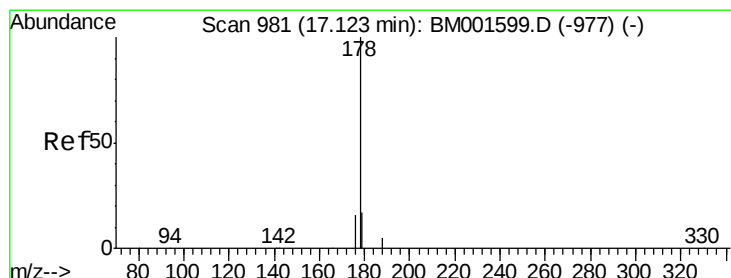
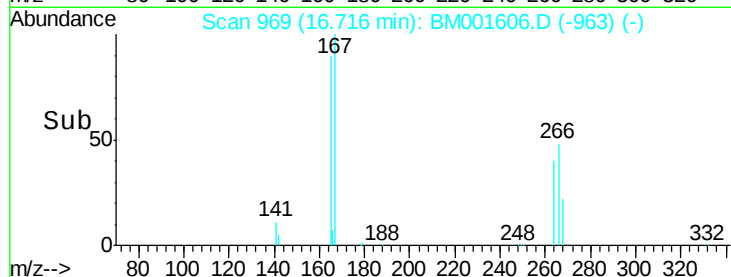
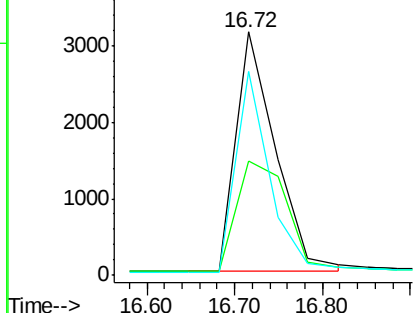
#21
 Pentachlorophenol
 Concen: 13.89 ng
 RT: 16.72 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Tgt Ion: 266 Resp: 9913
 Ion Ratio Lower Upper
 266 100
 268 46.9 45.8 68.8
 264 84.0 70.6 106.0

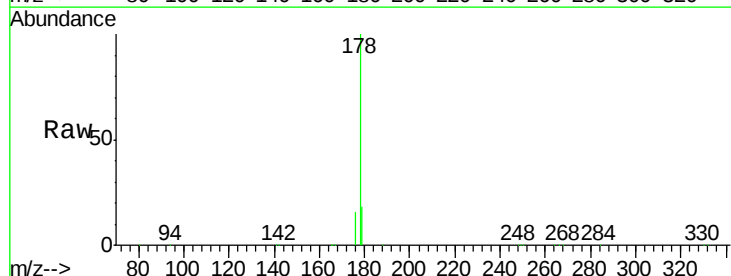


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

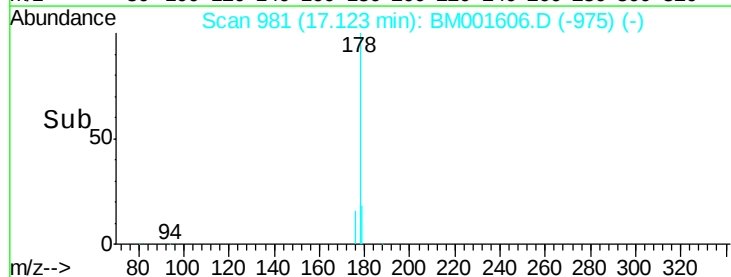
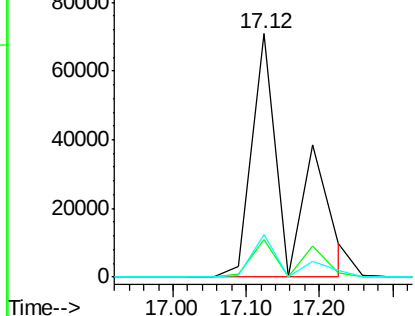


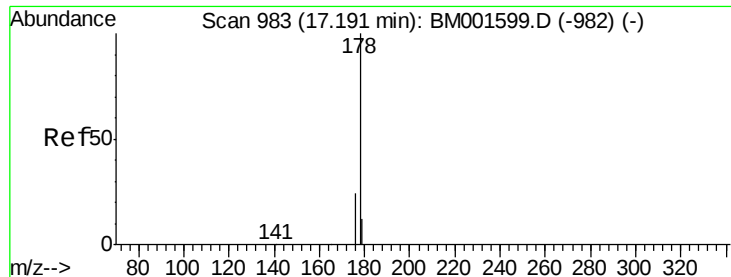
#22
 Phenanthrene
 Concen: 17.00 ng
 RT: 17.12 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BM001606.D
 Acq: 09 Jun 2015 04:48

Tgt Ion: 178 Resp: 249590
 Ion Ratio Lower Upper
 178 100
 176 18.3 13.2 19.8
 179 15.8 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 27.78 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

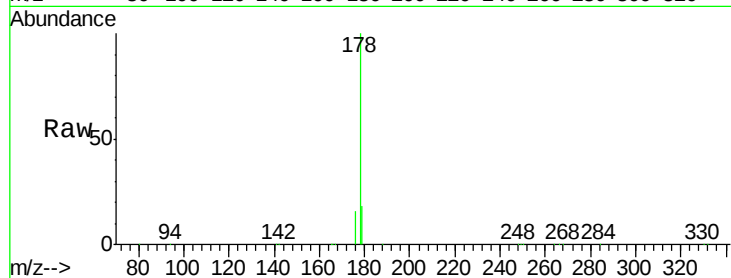
Tgt Ion:178 Resp: 241957

Ion Ratio Lower Upper

178 100

176 18.0 21.9 32.9#

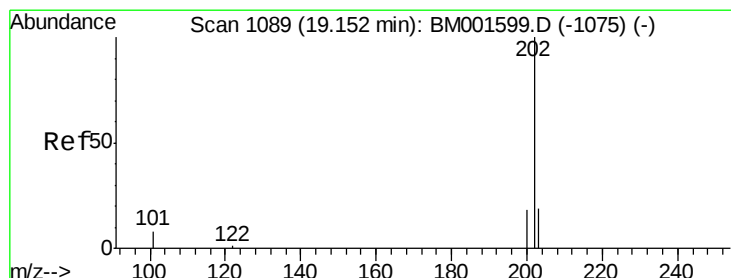
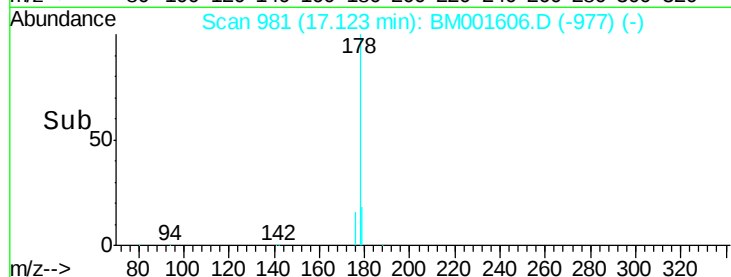
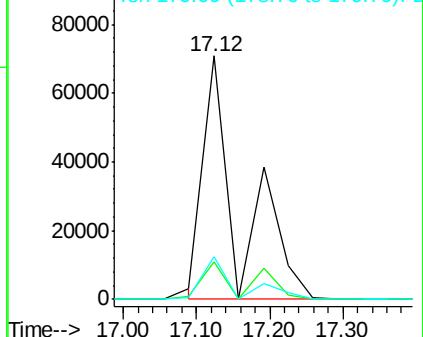
179 16.0 23.0 34.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 11.16 ng

RT: 19.15 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

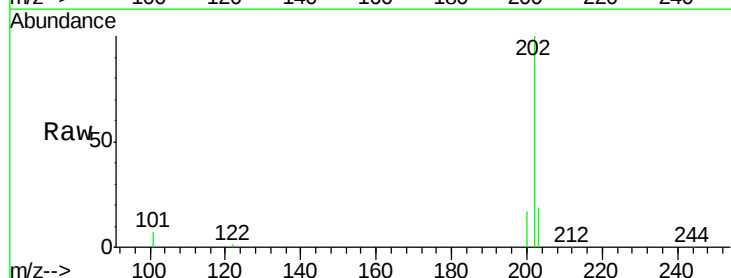
Tgt Ion:202 Resp: 177375

Ion Ratio Lower Upper

202 100

101 13.2 10.4 15.6

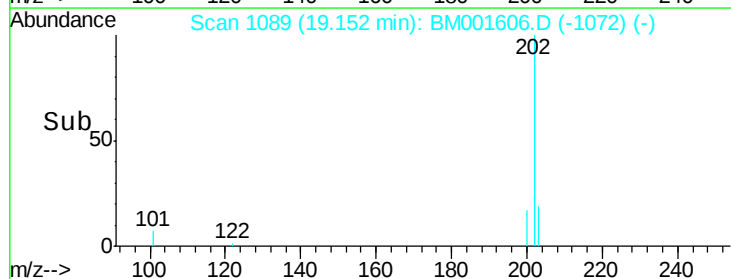
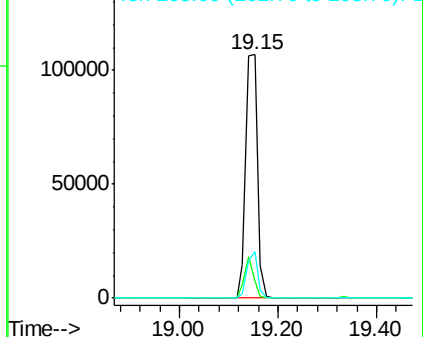
203 17.3 13.8 20.6

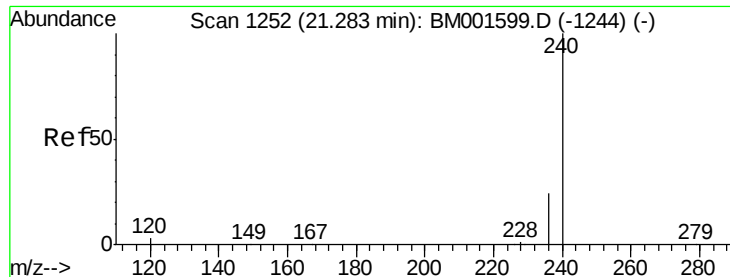


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

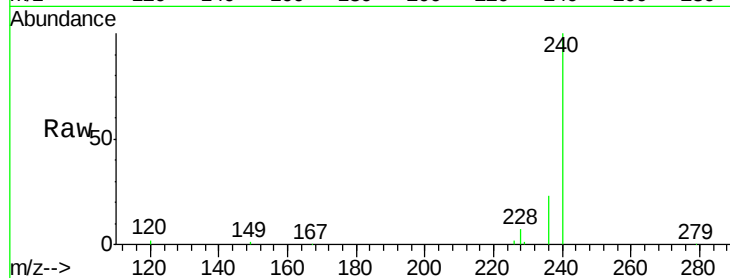
Tgt Ion:240 Resp: 59413

Ion Ratio Lower Upper

240 100

120 2.1 2.2 3.4#

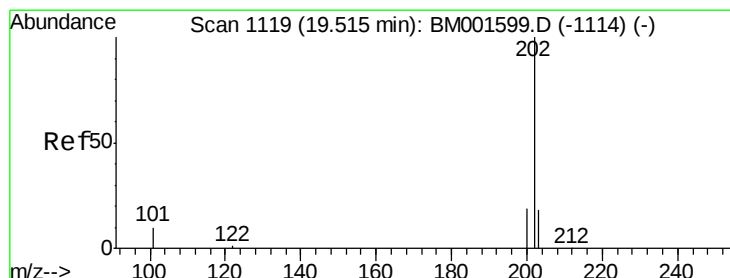
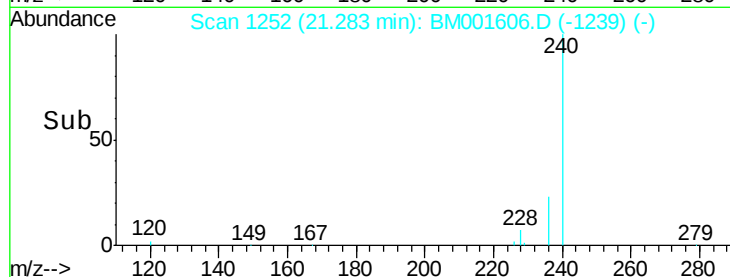
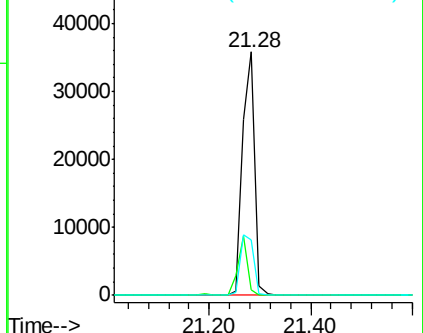
236 23.0 19.6 29.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 9.71 ng

RT: 19.52 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

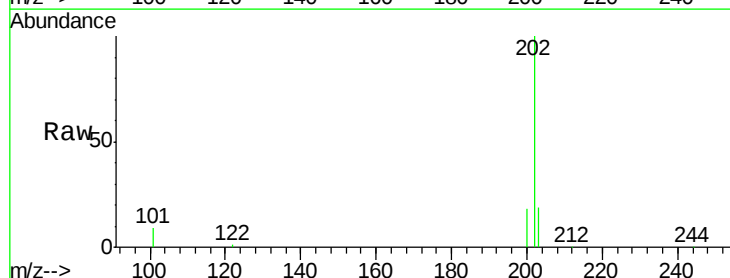
Tgt Ion:202 Resp: 186930

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

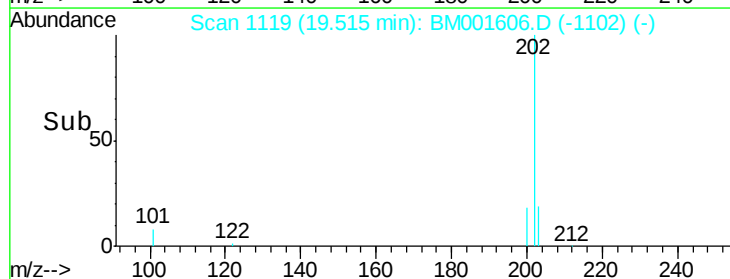
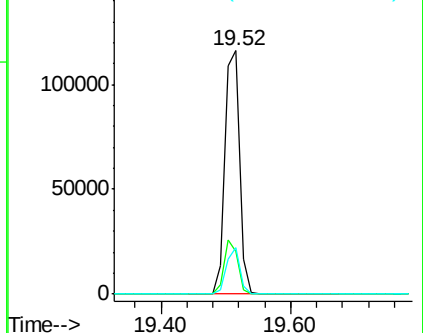
203 17.5 14.0 21.0

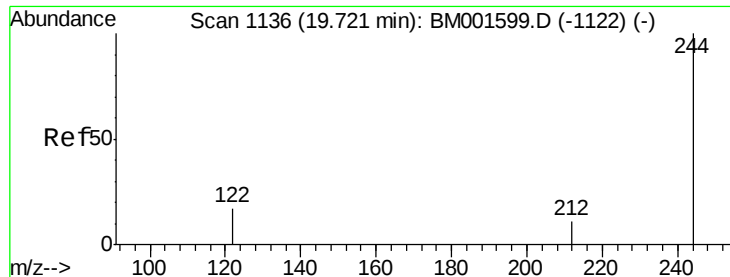


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 9.55 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

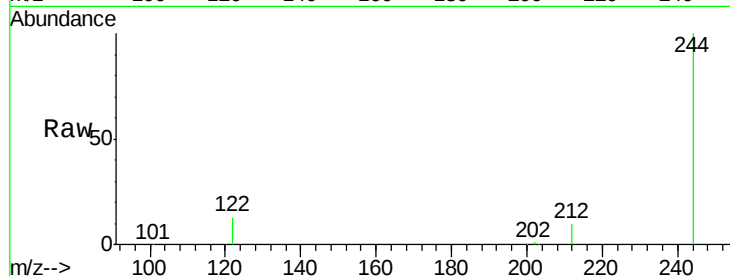
Tgt Ion:244 Resp: 74062

Ion Ratio Lower Upper

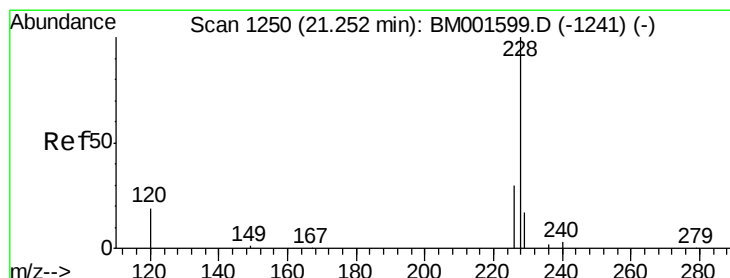
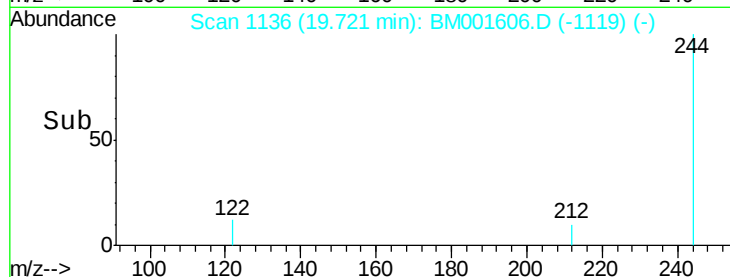
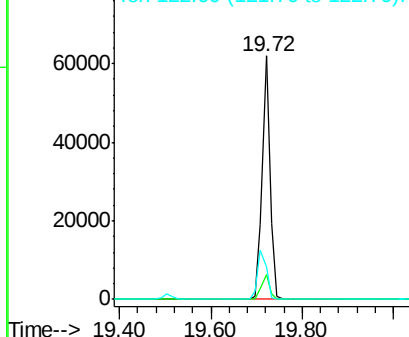
244 100

212 10.3 9.2 13.8

122 13.1 14.5 21.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 9.70 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

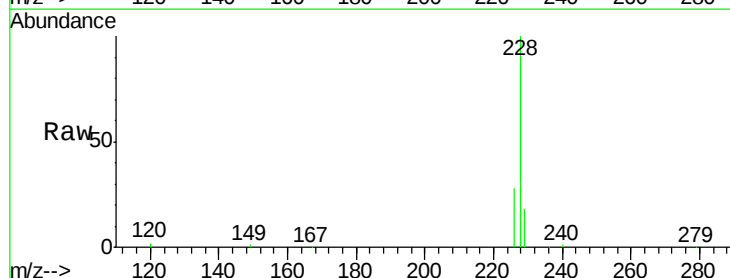
Tgt Ion:228 Resp: 168245

Ion Ratio Lower Upper

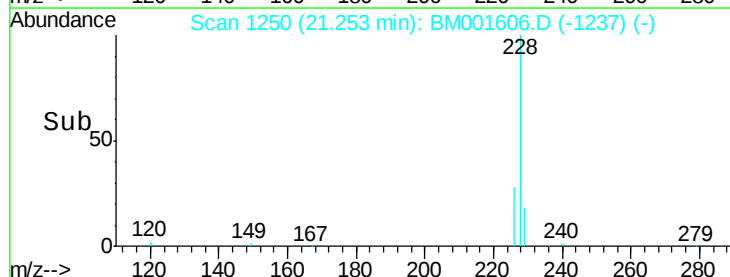
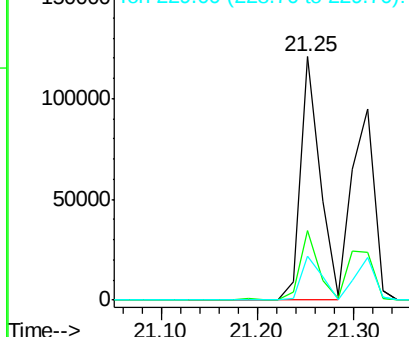
228 100

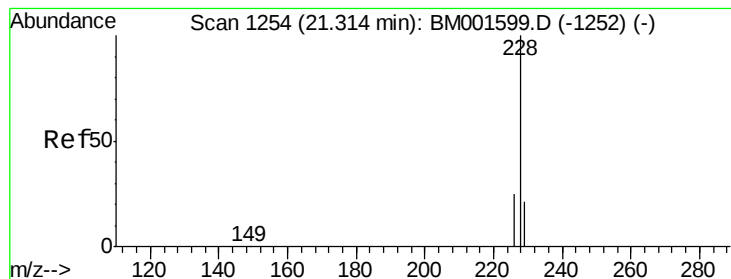
226 28.5 24.6 37.0

229 17.9 13.8 20.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 9.31 ng

RT: 21.31 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

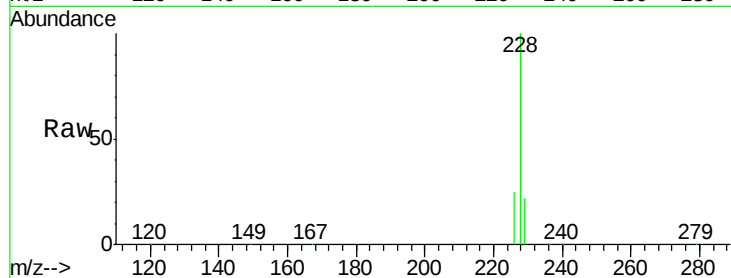
Tgt Ion:228 Resp: 152652

Ion Ratio Lower Upper

228 100

226 24.9 20.6 31.0

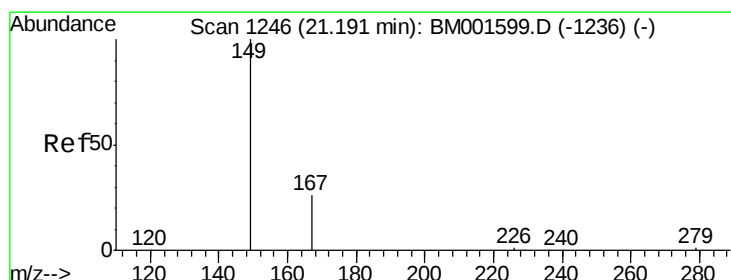
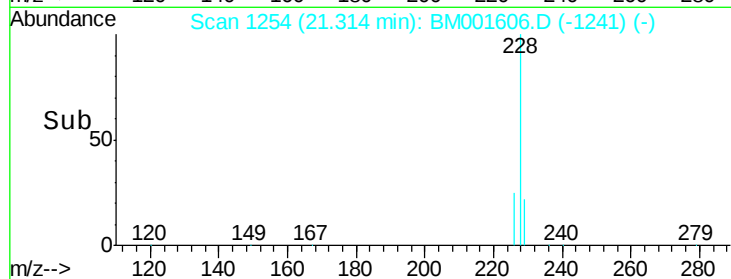
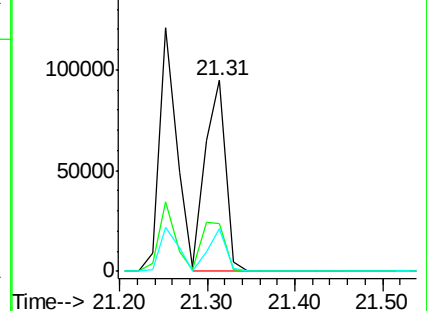
229 22.1 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 11.15 ng

RT: 21.19 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

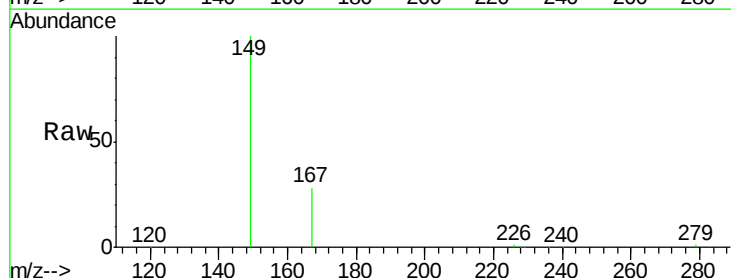
Tgt Ion:149 Resp: 111757

Ion Ratio Lower Upper

149 100

167 26.1 20.2 30.4

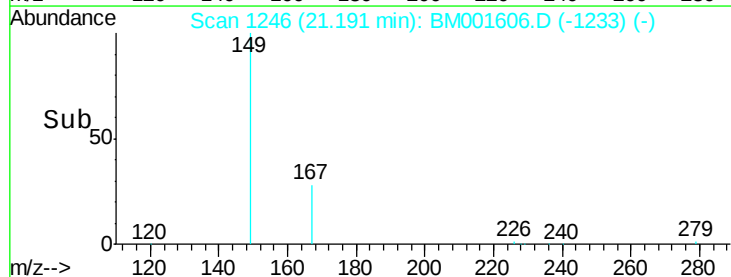
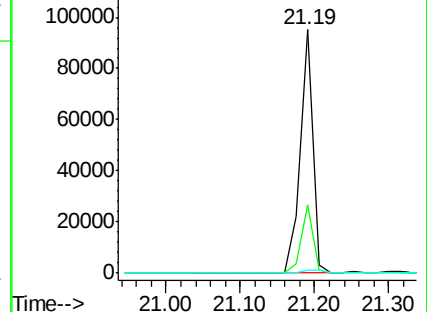
279 2.0 1.7 2.5

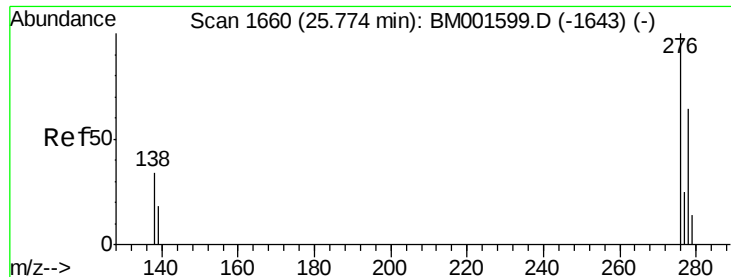


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 9.76 ng

RT: 25.76 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

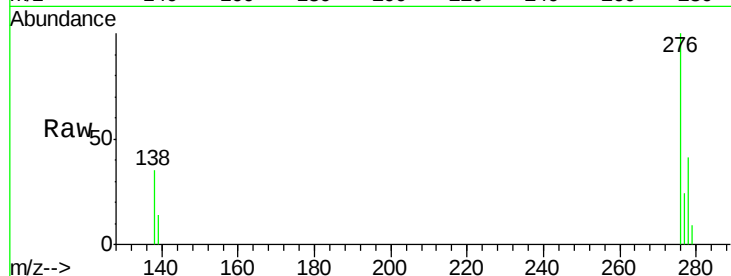
Tgt Ion:276 Resp: 162632

Ion Ratio Lower Upper

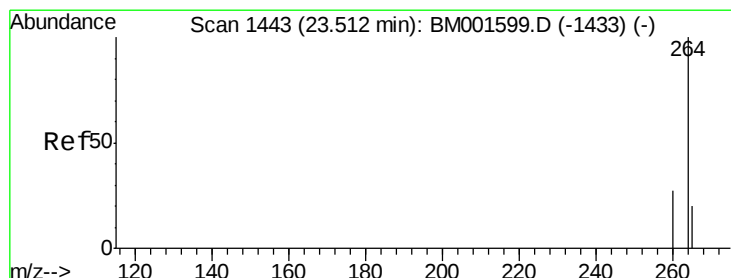
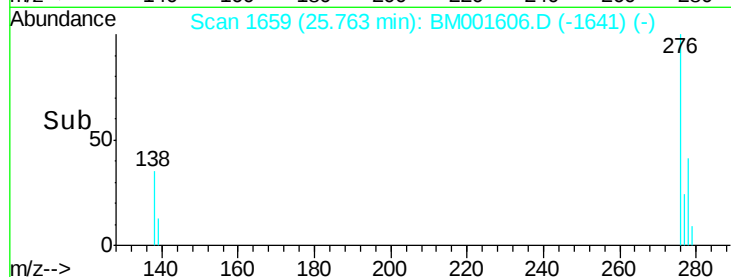
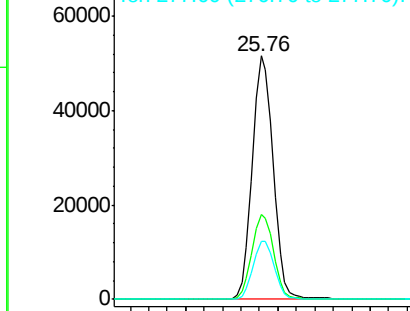
276 100

138 36.2 28.2 42.2

277 24.6 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

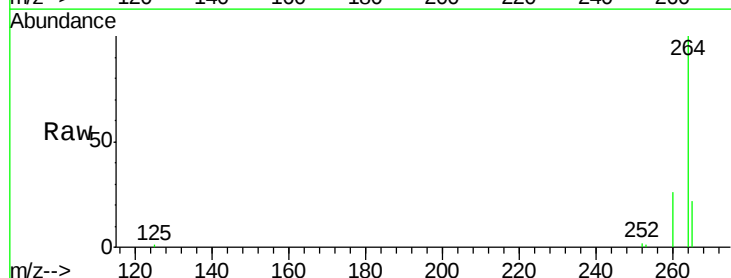
Tgt Ion:264 Resp: 54398

Ion Ratio Lower Upper

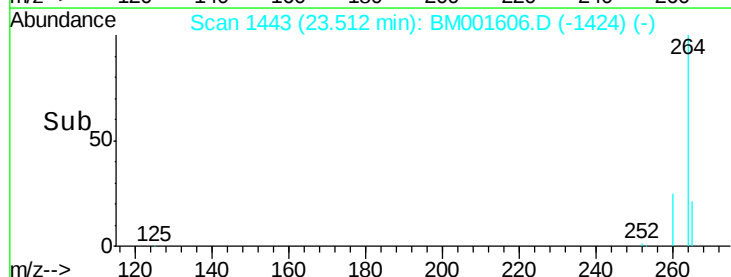
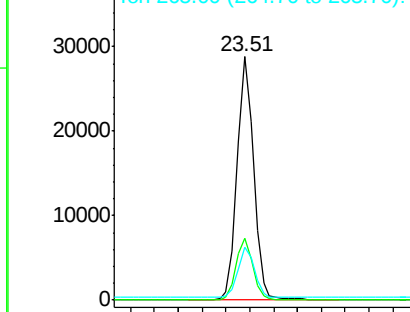
264 100

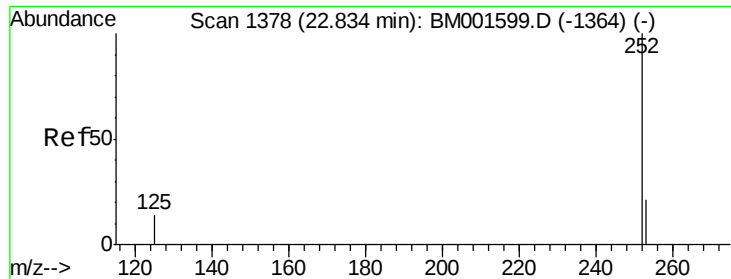
260 25.6 21.8 32.6

265 21.7 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 9.56 ng

RT: 22.83 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

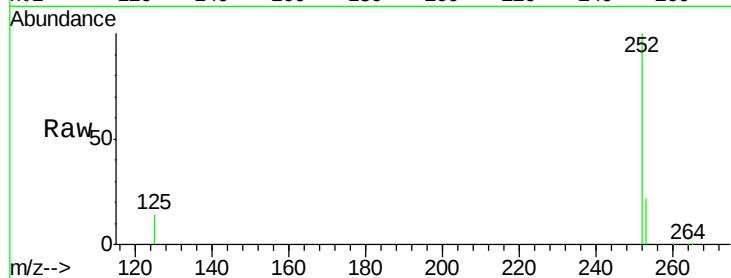
Tgt Ion:252 Resp: 156380

Ion Ratio Lower Upper

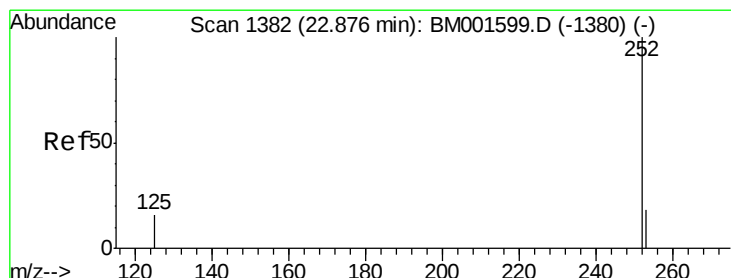
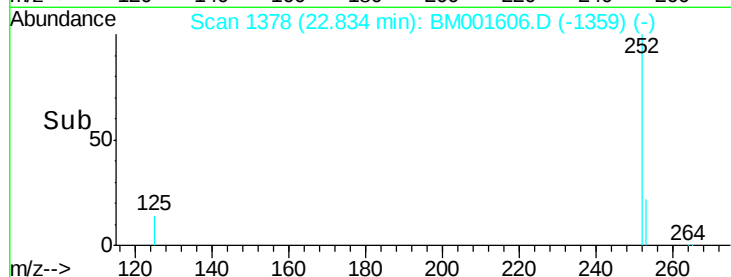
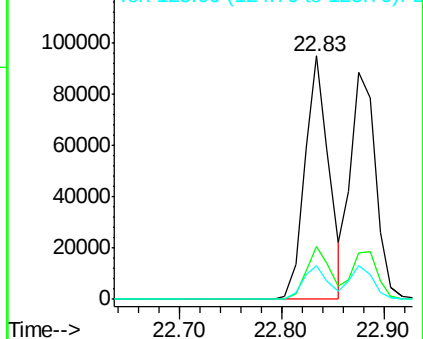
252 100

253 21.6 17.6 26.4

125 13.9 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 9.58 ng

RT: 22.88 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

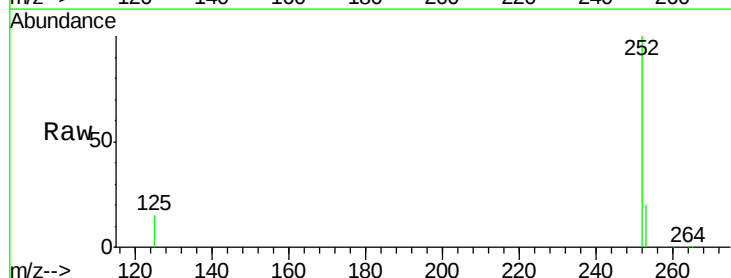
Tgt Ion:252 Resp: 151086

Ion Ratio Lower Upper

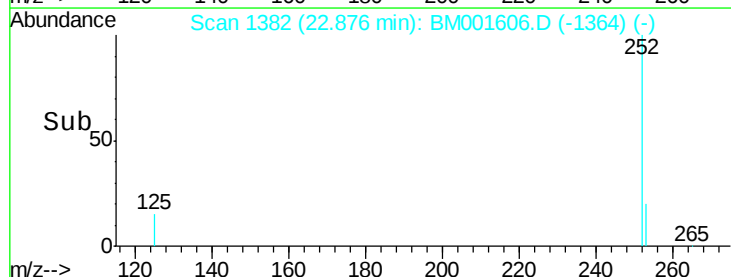
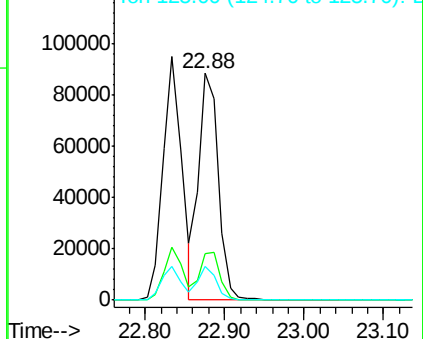
252 100

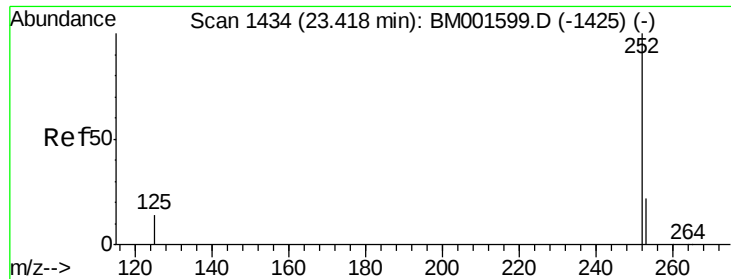
253 20.3 17.1 25.7

125 14.8 12.8 19.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 9.73 ng

RT: 23.41 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

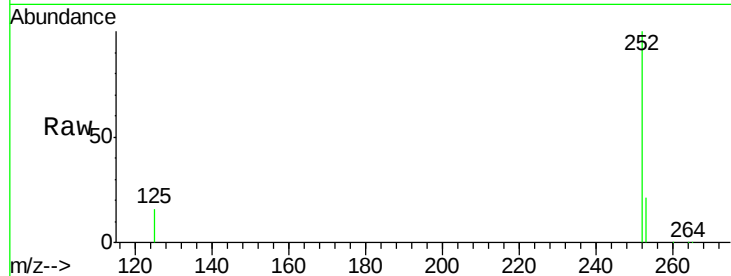
Tgt Ion: 252 Resp: 140480

Ion Ratio Lower Upper

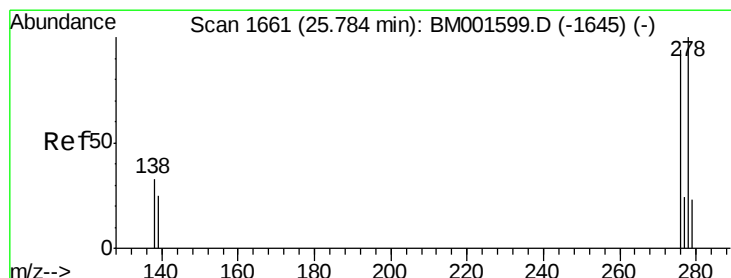
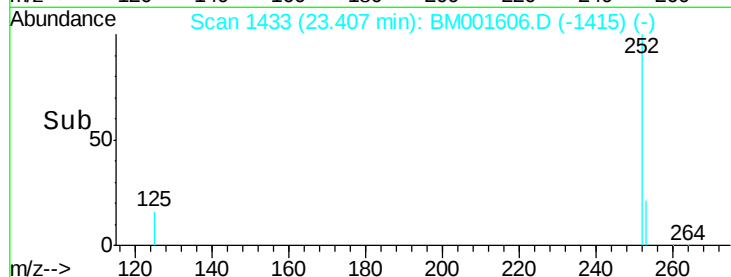
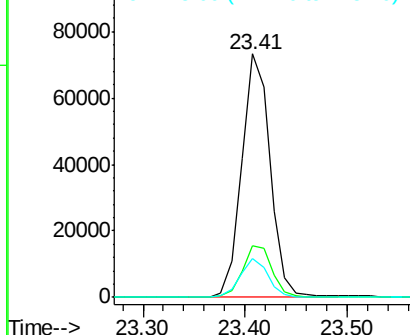
252 100

253 21.0 19.4 29.0

125 16.0 13.0 19.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 9.60 ng

RT: 25.78 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BM001606.D

Acq: 09 Jun 2015 04:48

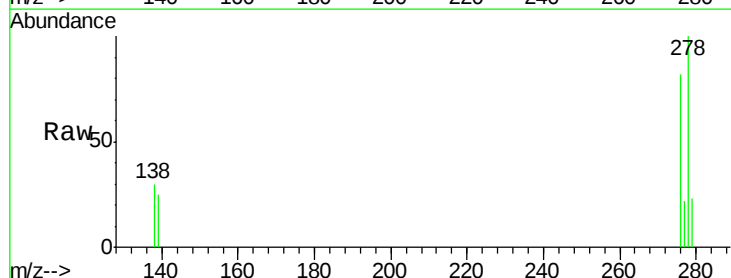
Tgt Ion: 278 Resp: 126791

Ion Ratio Lower Upper

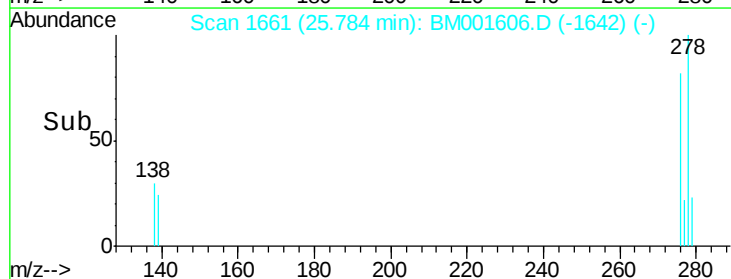
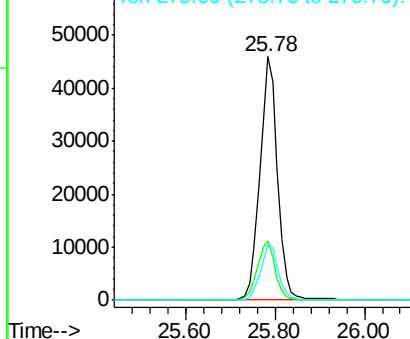
278 100

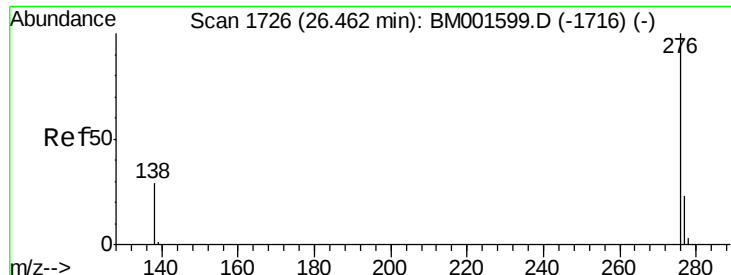
139 24.5 20.6 31.0

279 22.8 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 9.22 ng

RT: 26.46 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM001606.D

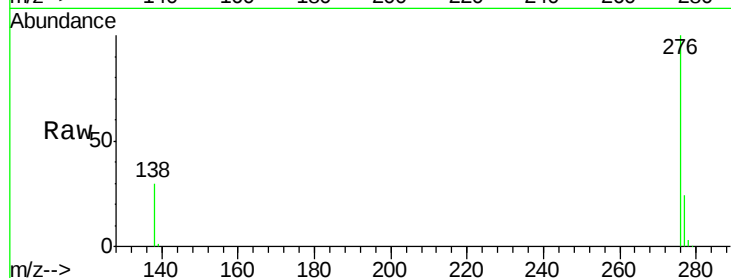
Acq: 09 Jun 2015 04:48

Instrument :

BNA_M

ClientSampleId :

PB83718BSD



Tgt Ion: 276 Resp: 131222

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 30.1 24.5 36.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

