

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001582.D
 Acq On : 06 Jun 2015 07:29
 Operator : TP/IZ
 Sample : PB83718BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Quant Time: Jun 08 05:36:08 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 05:27:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	21160	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	74426	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	33724	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	48700	5.00	ng	0.00
25) Chrysene-d12	21.28	240	56066	5.00	ng	0.00
32) Perylene-d12	23.52	264	49647	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	60202	12.88	ng	0.00
5) Phenol-d6	6.84	99	76817	13.37	ng	0.00
7) Nitrobenzene-d5	8.85	82	46764	9.23	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	24682	15.27	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	92343	8.89	ng	0.00
27) Terphenyl-d14	19.72	244	59920	8.28	ng	0.00

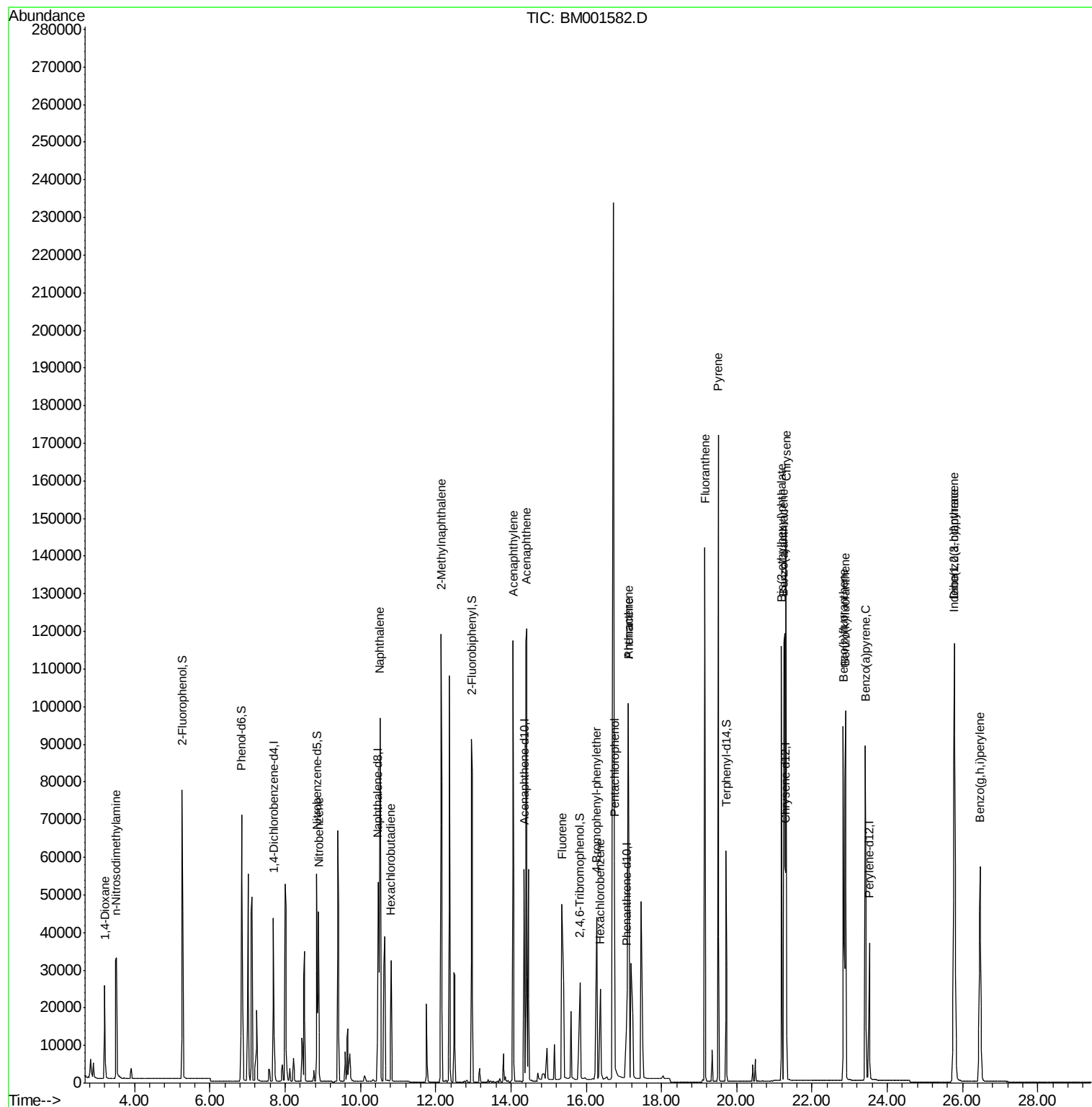
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	16531	9.01	ng	98
3) n-Nitrosodimethylamine	3.51	42	27821	8.61	ng	# 99
8) Nitrobenzene	8.89	77	50609	9.32	ng	99
9) Naphthalene	10.52	128	128820	8.02	ng	99
10) Hexachlorobutadiene	10.82	225	23063	8.23	ng	100
11) 2-Methylnaphthalene	12.15	142	83377	8.29	ng	95
15) Acenaphthylene	14.06	152	128888	8.85	ng	100
16) Acenaphthene	14.41	154	75478	8.23	ng	99
17) Fluorene	15.36	166	48657	8.24	ng	# 65
19) 4-Bromophenyl-phenylether	16.27	248	39024	10.05	ng	# 87
20) Hexachlorobenzene	16.38	284	17896	11.57	ng	92
21) Pentachlorophenol	16.75	266	97180	130.72	ng	# 89
22) Phenanthrene	17.12	178	154758	9.11	ng	99
23) Anthracene	17.12	178	227573	31.80	ng	# 52
24) Fluoranthene	19.15	202	145527	11.01	ng	99
26) Pyrene	19.52	202	157967	8.76	ng	100
28) Benzo(a)anthracene	21.25	228	133730	8.47	ng	99
29) Chrysene	21.31	228	130938	8.68	ng	97
30) Bis(2-ethylhexyl)phthalate	21.19	149	101467	9.55	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	133573	8.25	ng	99
33) Benzo(b)fluoranthene	22.83	252	137299	9.26	ng	98
34) Benzo(k)fluoranthene	22.89	252	113209	8.38	ng	98
35) Benzo(a)pyrene	23.42	252	119225	9.20	ng	98
36) Dibenzo(a,h)anthracene	25.78	278	107463	8.46	ng	95
37) Benzo(g,h,i)perylene	26.46	276	110661	8.29	ng	97

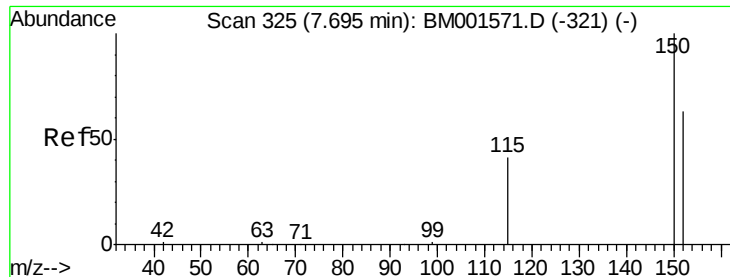
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

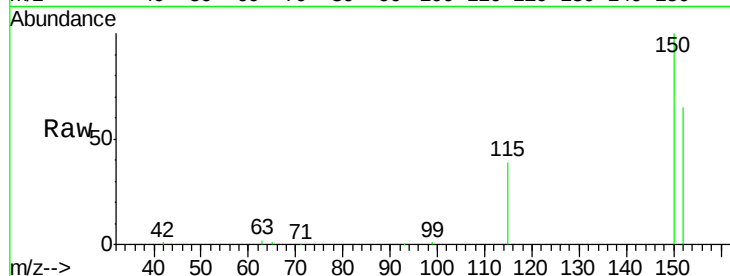
Tgt Ion:152 Resp: 21160

Ion Ratio Lower Upper

152 100

150 153.5 126.6 190.0

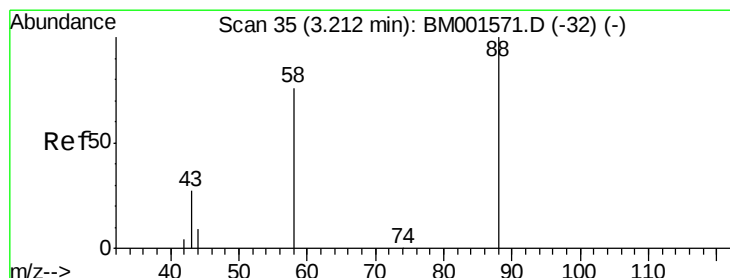
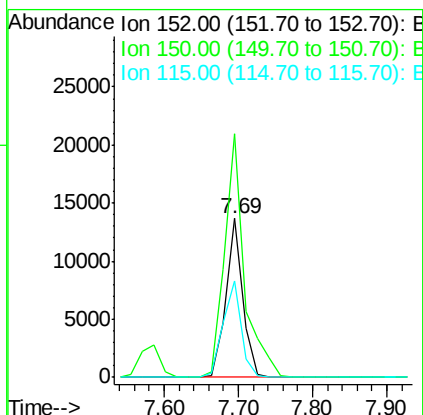
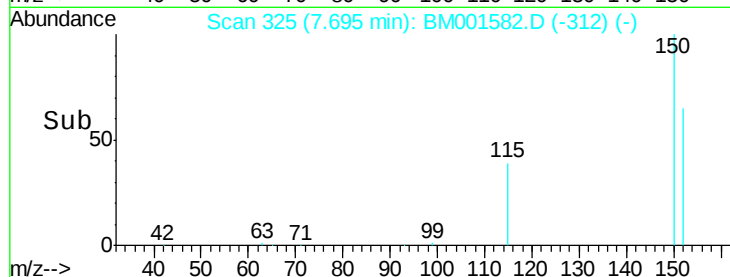
115 60.5 51.6 77.4



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: 9.01 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

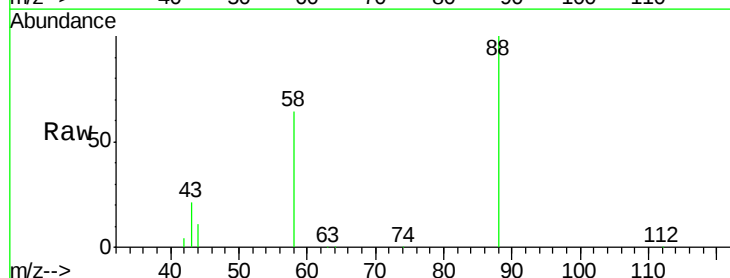
Tgt Ion: 88 Resp: 16531

Ion Ratio Lower Upper

88 100

58 85.4 66.1 99.1

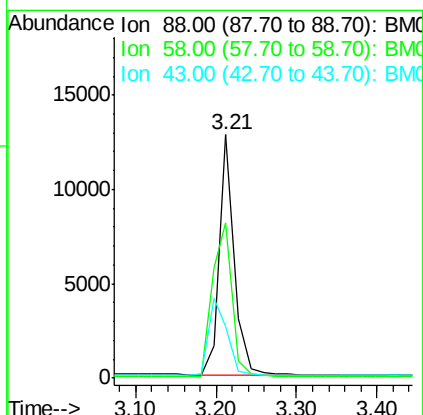
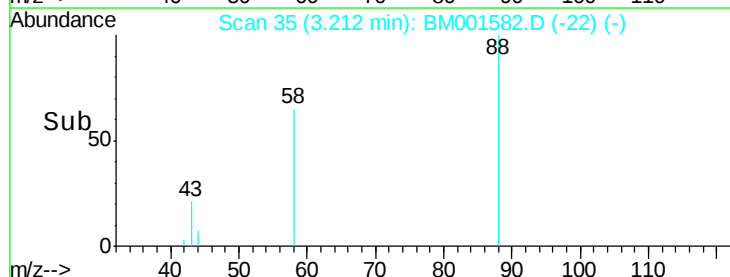
43 39.8 32.3 48.5

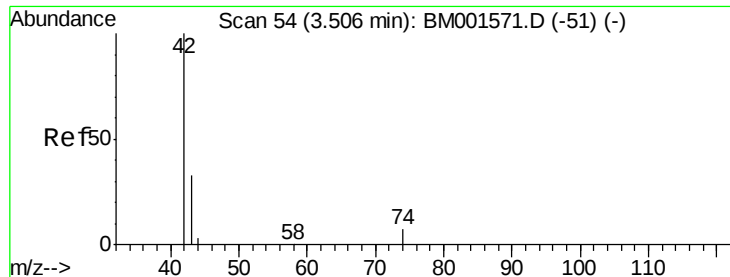


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 8.61 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

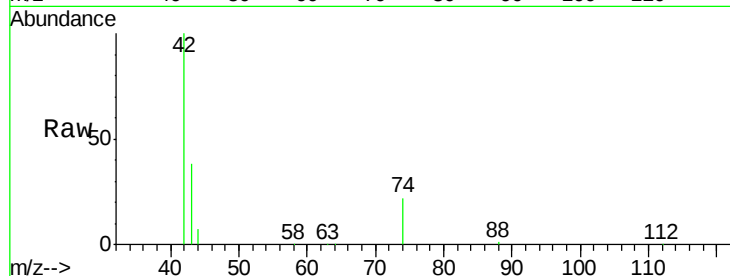
Tgt Ion: 42 Resp: 27821

Ion Ratio Lower Upper

42 100

74 96.1 77.2 115.8

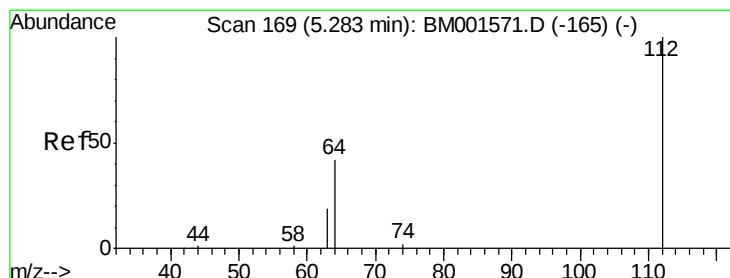
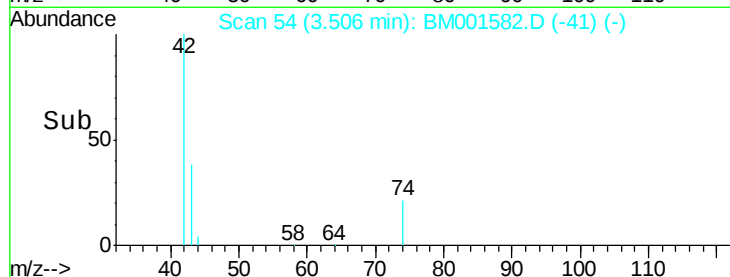
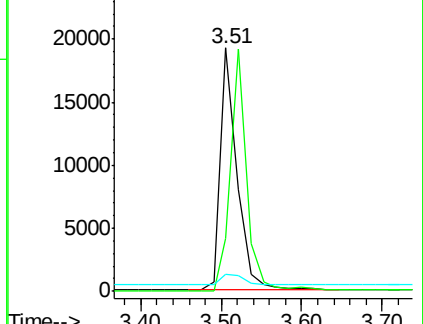
44 6.1 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001571.D (-51) (-)

Ion 74.00 (73.70 to 74.70): BM001571.D (-51) (-)

Ion 44.00 (43.70 to 44.70): BM001571.D (-51) (-)



#4

2-Fluorophenol

Concen: 12.88 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

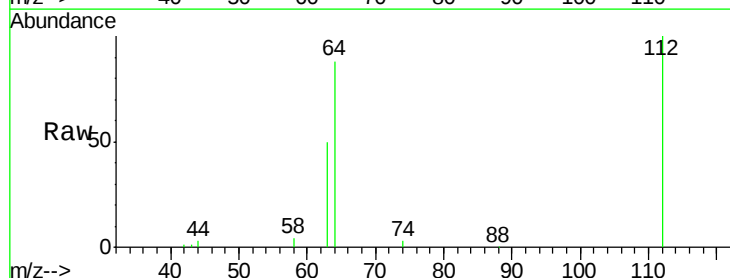
Tgt Ion: 112 Resp: 60202

Ion Ratio Lower Upper

112 100

64 67.3 53.3 79.9

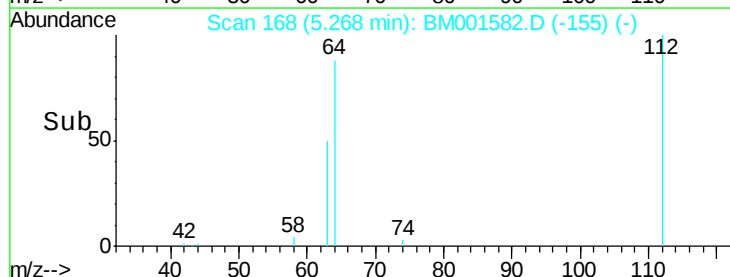
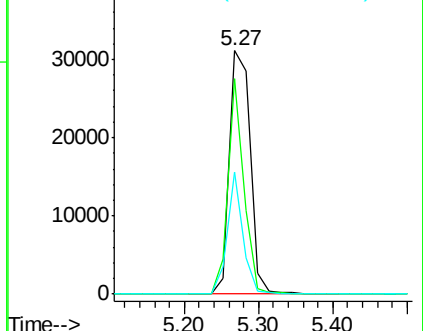
63 37.0 29.7 44.5

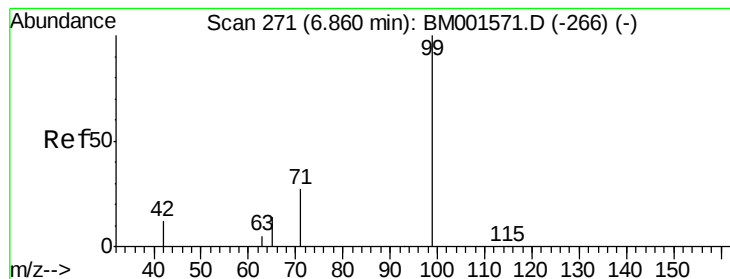


Abundance Ion 112.00 (111.70 to 112.70): BM001571.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001571.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001571.D (-165) (-)





#5

Phenol-d6

Concen: 13.37 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

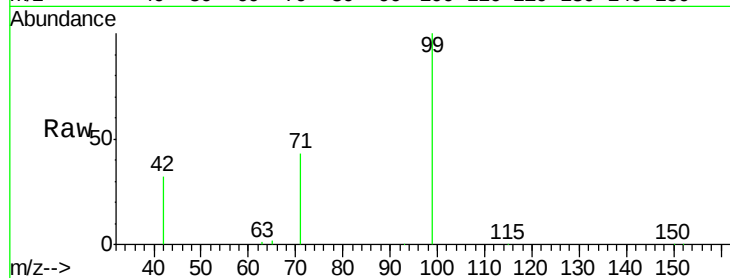
Tgt Ion: 99 Resp: 76817

Ion Ratio Lower Upper

99 100

42 26.2 21.4 32.2

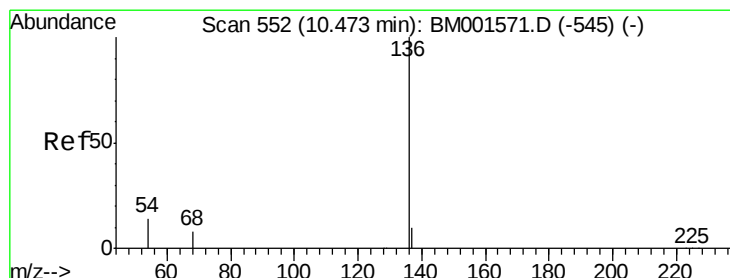
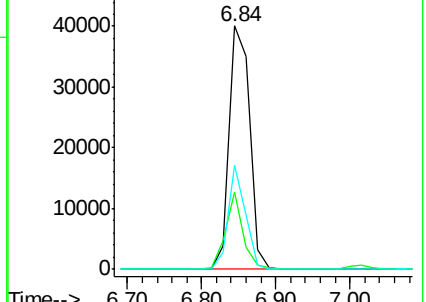
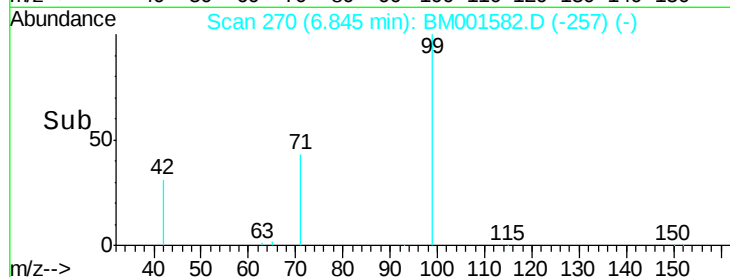
71 35.7 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BM001571.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001571.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001571.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Tgt Ion: 136 Resp: 74426

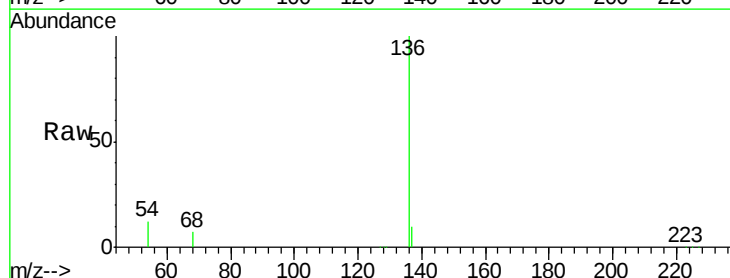
Ion Ratio Lower Upper

136 100

137 10.3 8.1 12.1

54 11.9 11.7 17.5

68 7.0 6.6 9.8

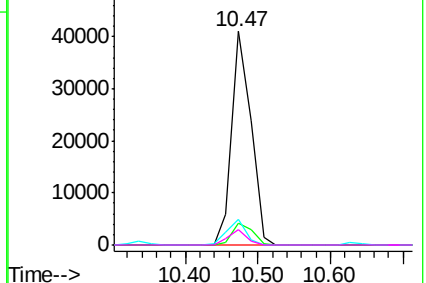
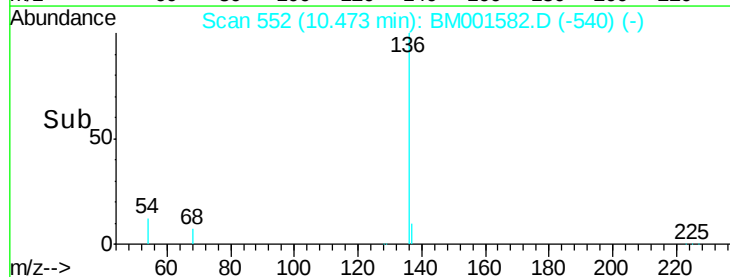


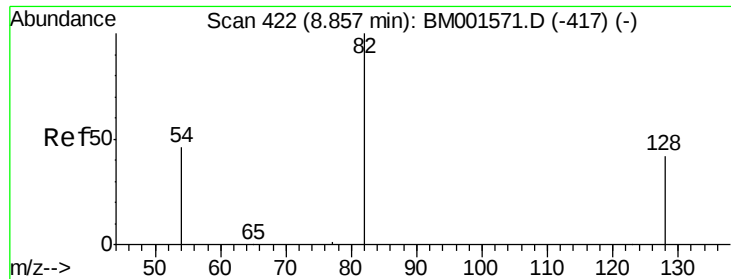
Abundance Ion 136.00 (135.70 to 136.70): BM001571.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM001571.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM001571.D (-545) (-)





#7

Nitrobenzene-d5

Concen: 9.23 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

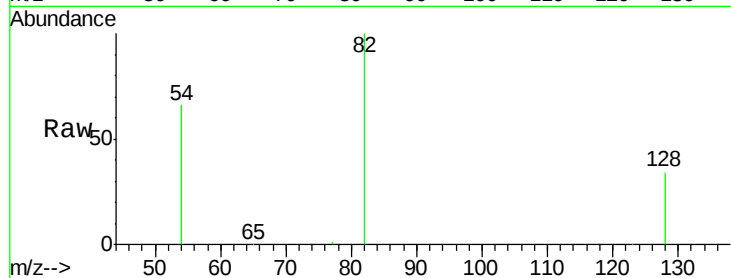
Tgt Ion: 82 Resp: 46764

Ion Ratio Lower Upper

82 100

128 33.5 34.1 51.1#

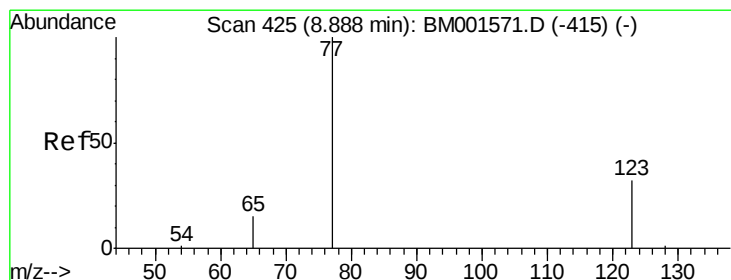
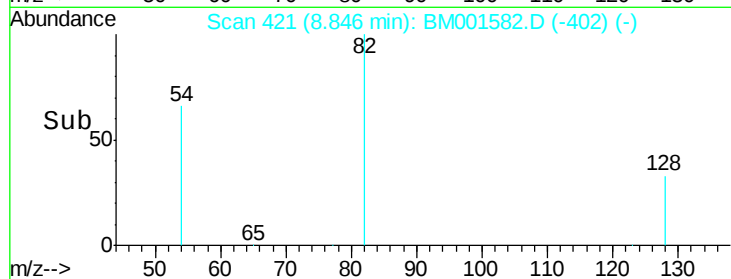
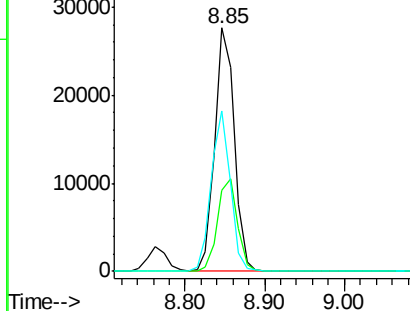
54 66.0 37.8 56.6#



Abundance Ion 82.00 (81.70 to 82.70): BM001571.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001571.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-417) (-)



#8

Nitrobenzene

Concen: 9.32 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

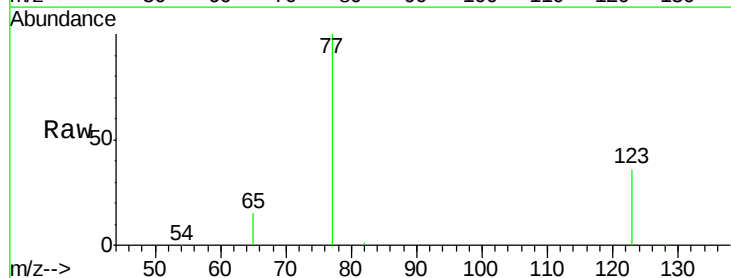
Tgt Ion: 77 Resp: 50609

Ion Ratio Lower Upper

77 100

123 40.3 31.7 47.5

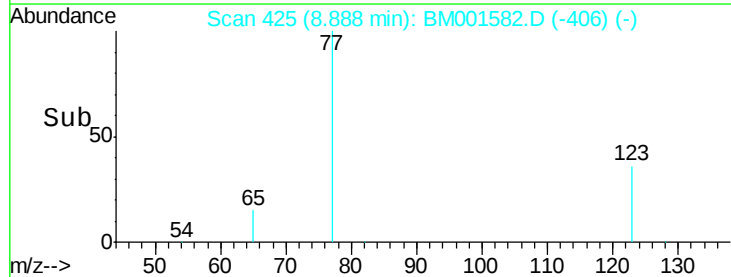
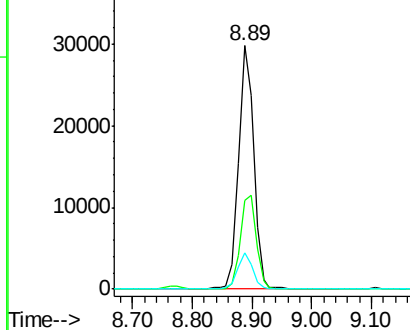
65 14.5 11.4 17.0

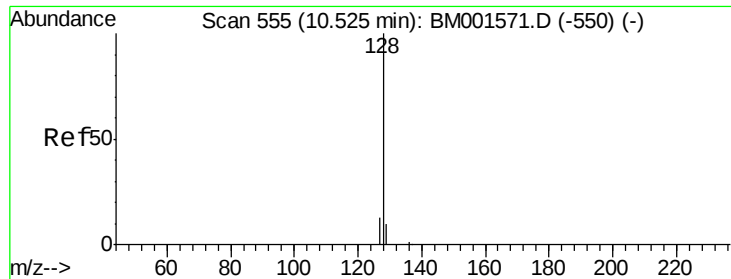


Abundance Ion 77.00 (76.70 to 77.70): BM001571.D (-415) (-)

Ion 123.00 (122.70 to 123.70): BM001571.D (-415) (-)

Ion 65.00 (64.70 to 65.70): BM001571.D (-415) (-)





#9

Naphthalene

Concen: 8.02 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

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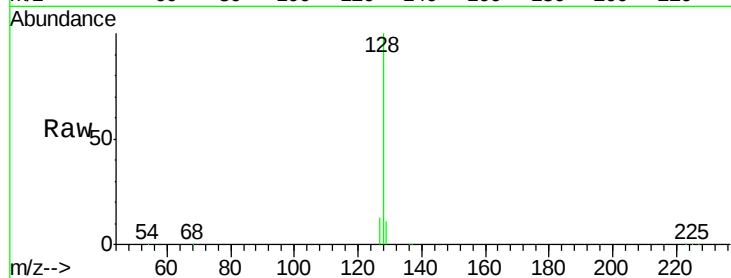
Tgt Ion:128 Resp: 128820

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

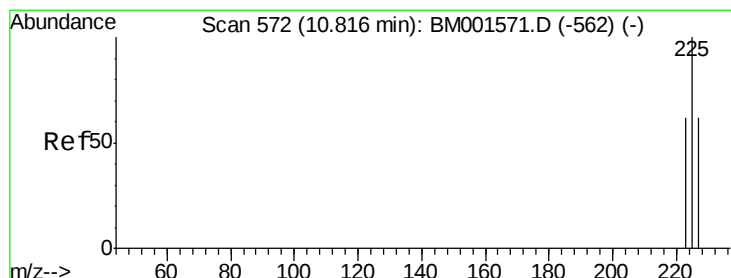
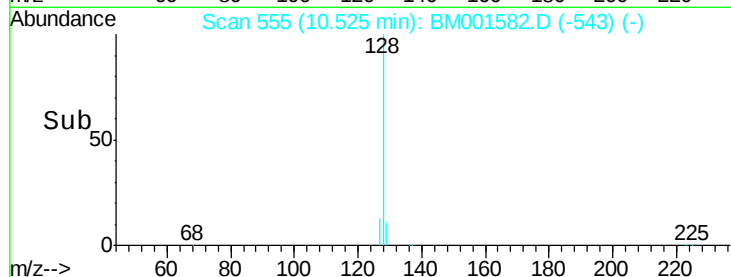
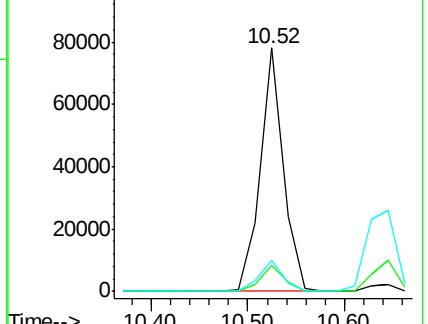
127 12.7 10.7 16.1



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: 8.23 ng

RT: 10.82 min Scan# 572

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

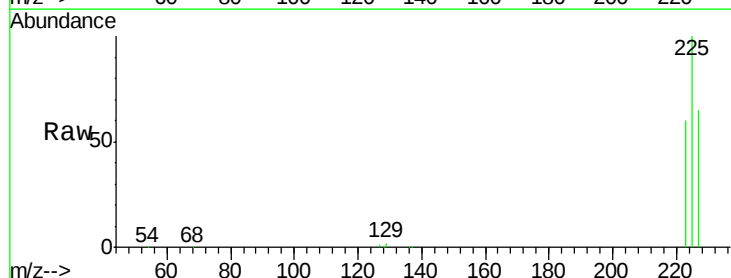
Tgt Ion:225 Resp: 23063

Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

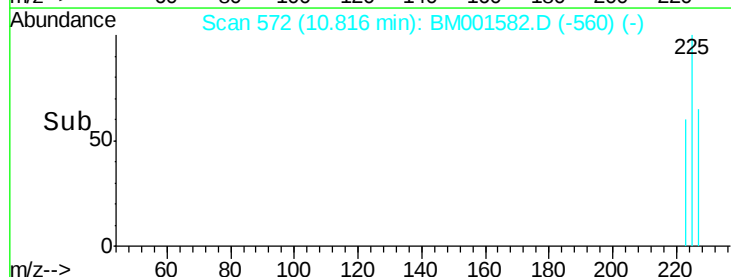
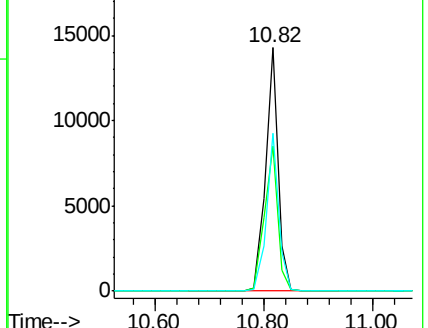
227 63.4 50.8 76.2

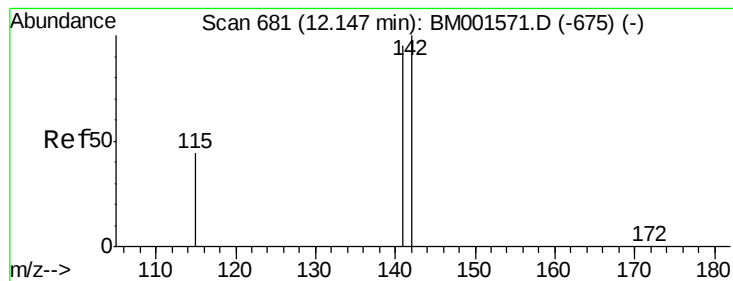


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 8.29 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

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PB83718BSD

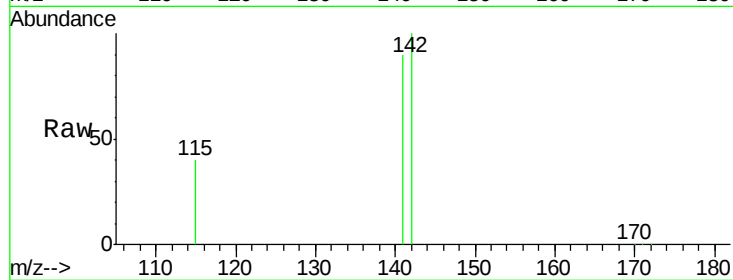
Tgt Ion:142 Resp: 83377

Ion Ratio Lower Upper

142 100

141 90.3 75.6 113.4

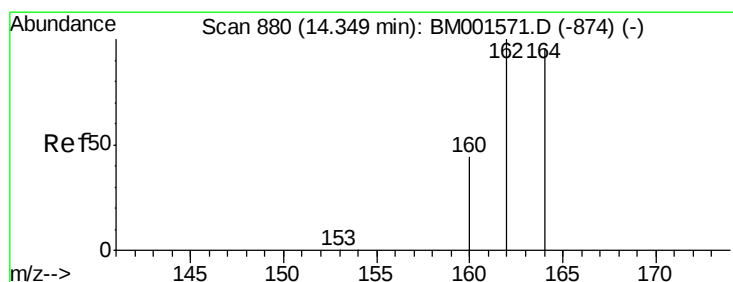
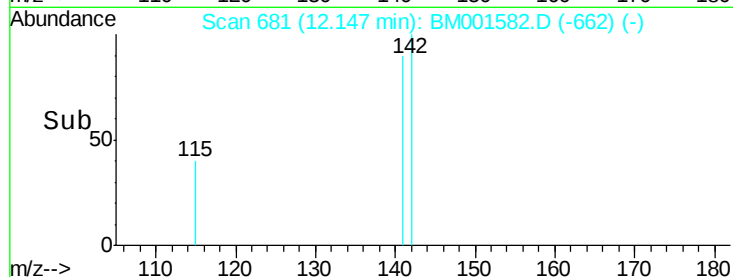
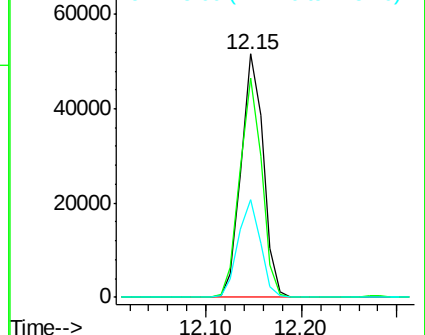
115 40.3 35.5 53.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

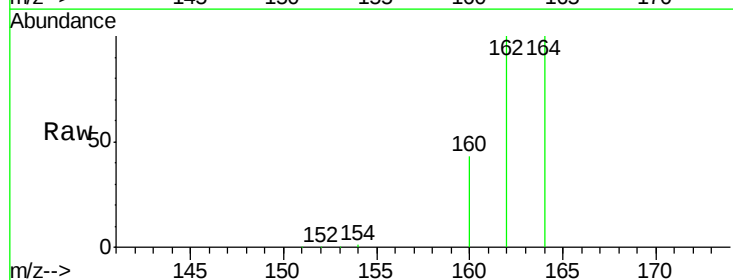
Tgt Ion:164 Resp: 33724

Ion Ratio Lower Upper

164 100

162 99.6 83.8 125.6

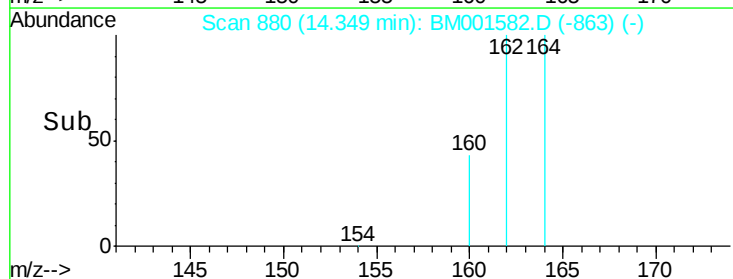
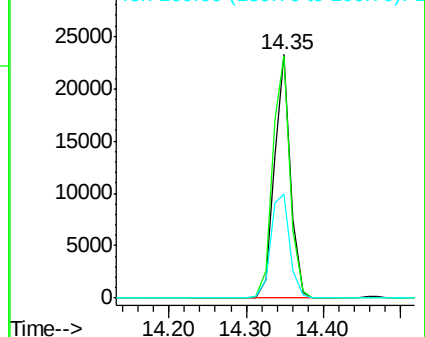
160 43.0 37.1 55.7

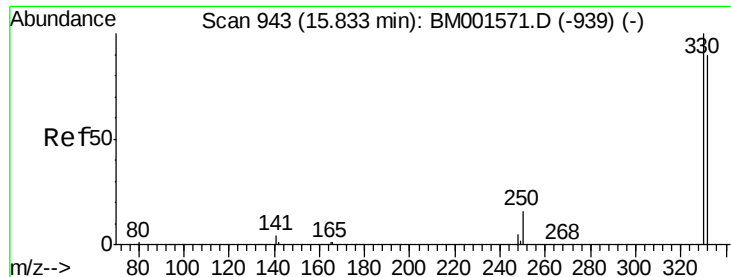


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

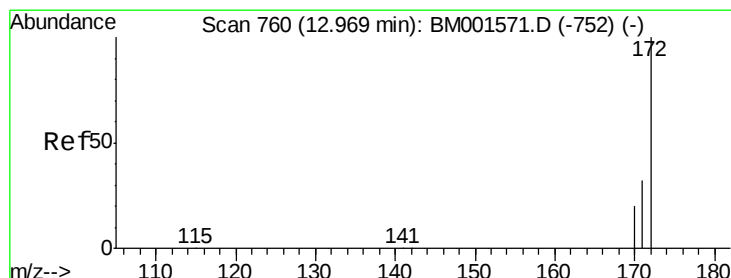
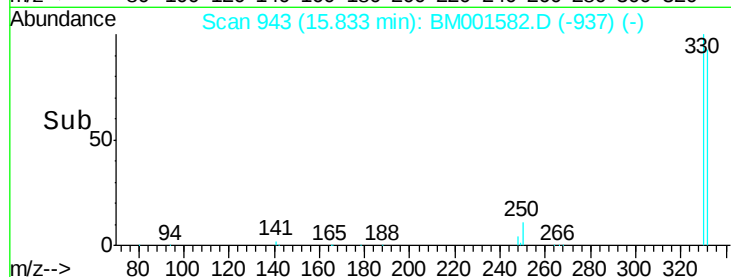
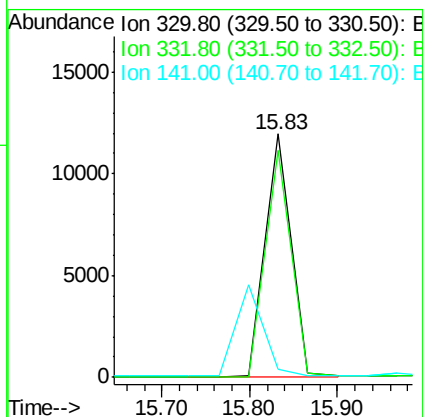
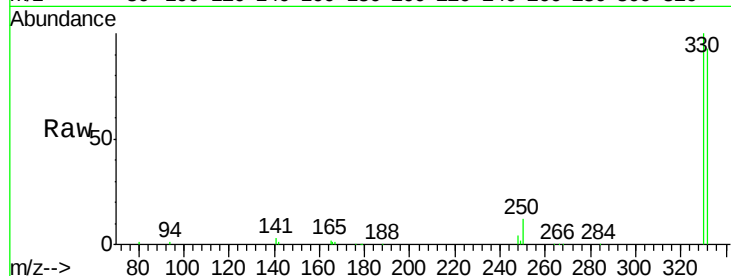




#13
 2,4,6-Tribromophenol
 Concen: 15.27 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

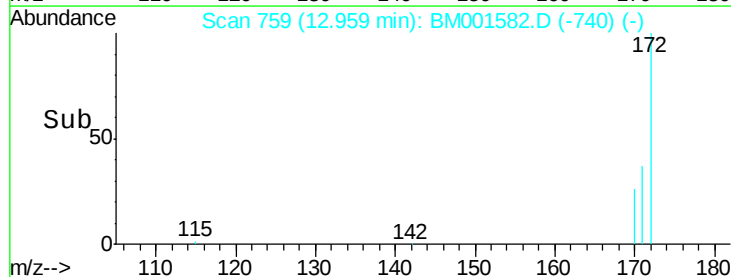
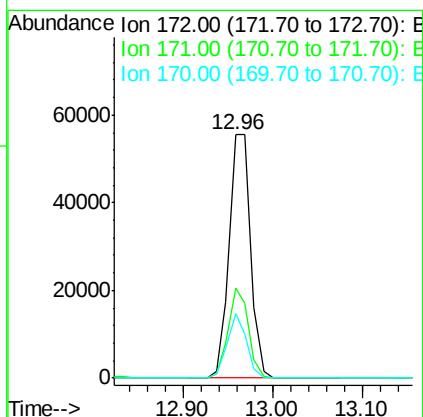
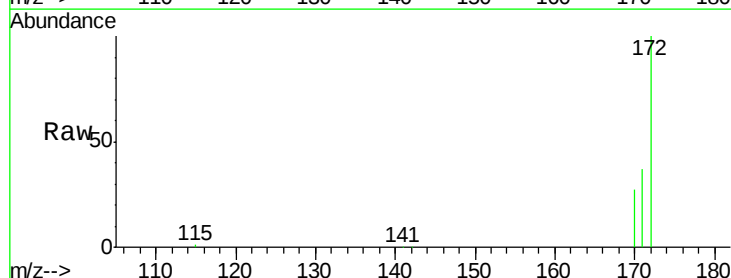
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

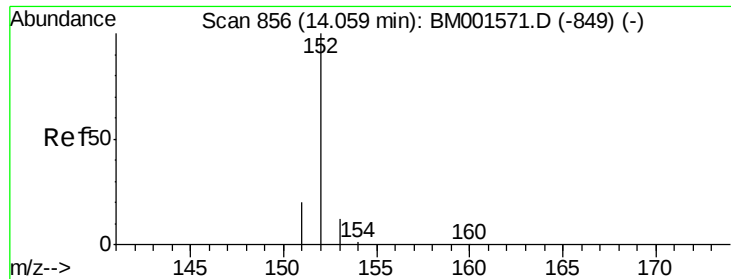
Tgt Ion:330 Resp: 24682
 Ion Ratio Lower Upper
 330 100
 332 93.2 72.0 108.0
 141 0.0 0.0 0.0



#14
 2-Fluorobiphenyl
 Concen: 8.89 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Tgt Ion:172 Resp: 92343
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.2 39.2
 170 26.6 16.1 24.1#





#15

Acenaphthylene

Concen: 8.85 ng

RT: 14.06 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

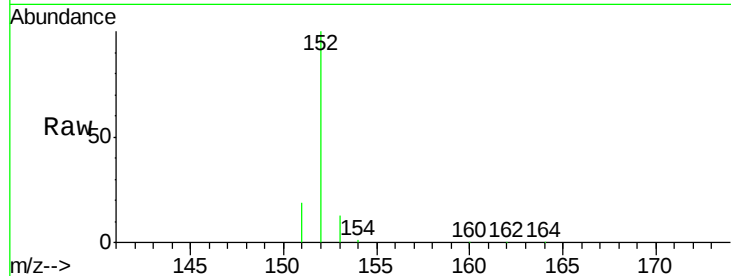
Tgt Ion:152 Resp: 128888

Ion Ratio Lower Upper

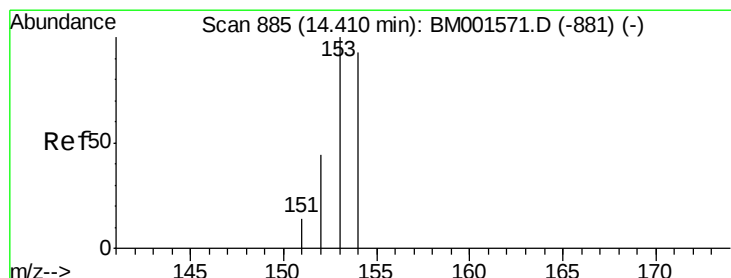
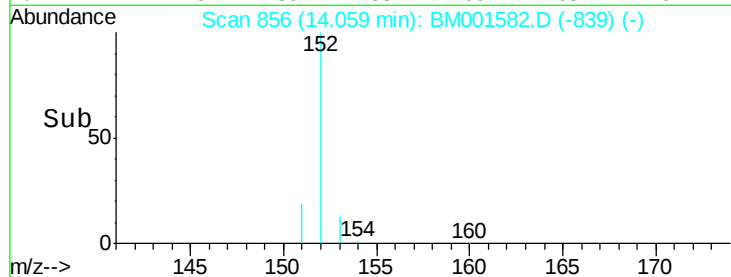
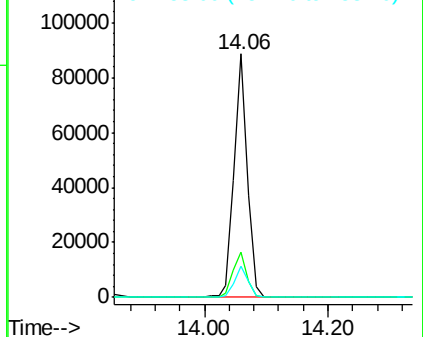
152 100

151 19.2 15.2 22.8

153 12.8 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: 8.23 ng

RT: 14.41 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

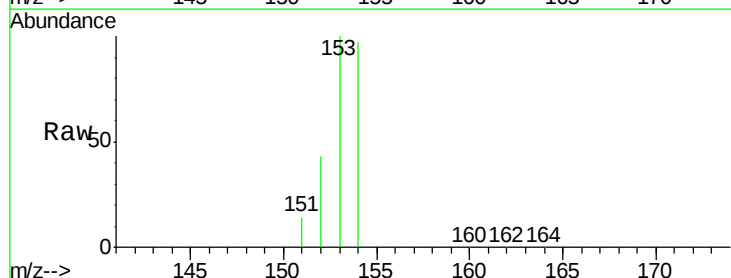
Tgt Ion:154 Resp: 75478

Ion Ratio Lower Upper

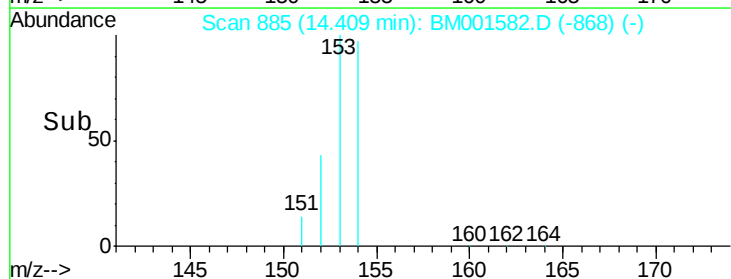
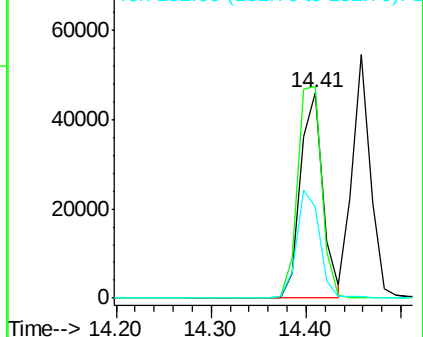
154 100

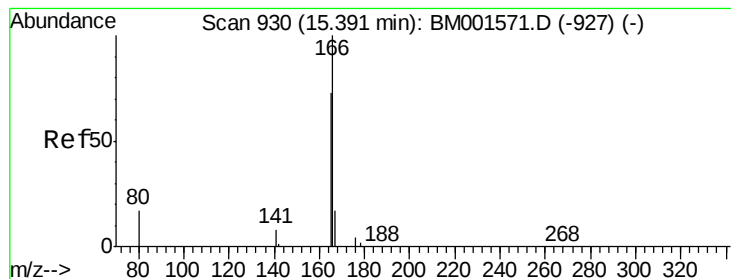
153 110.2 89.1 133.7

152 53.2 43.2 64.8



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: 8.24 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

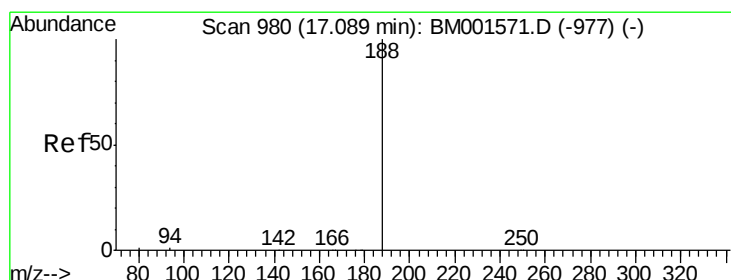
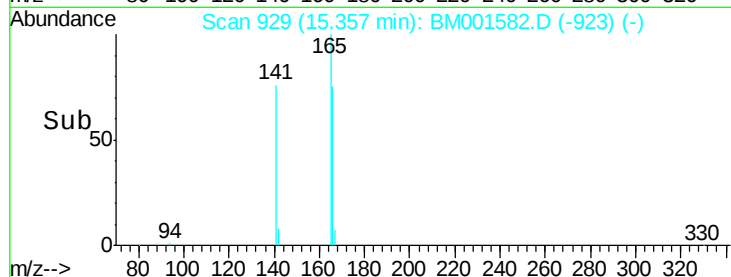
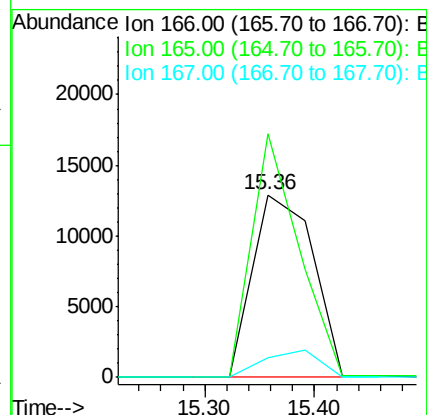
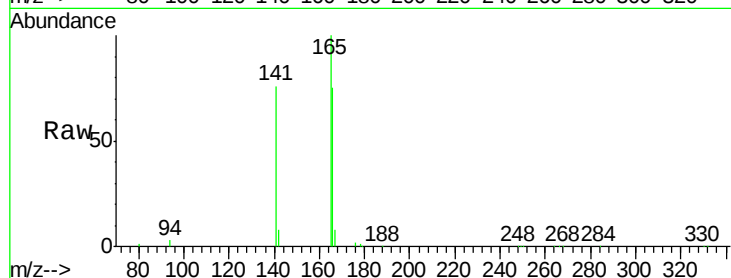
Tgt Ion:166 Resp: 48657

Ion Ratio Lower Upper

166 100

165 103.7 0.0 0.0#

167 0.0 11.3 16.9#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

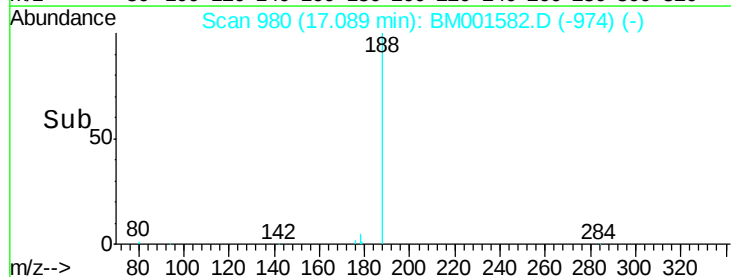
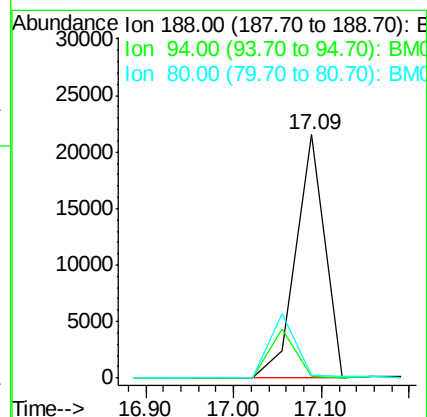
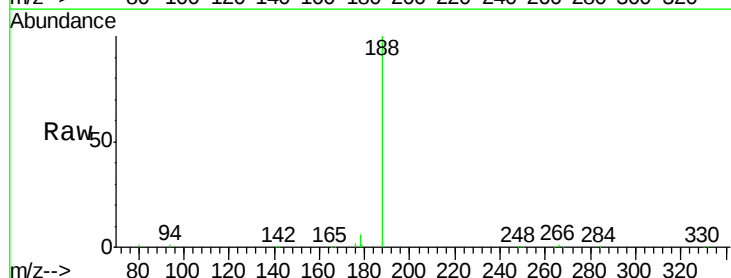
Tgt Ion:188 Resp: 48700

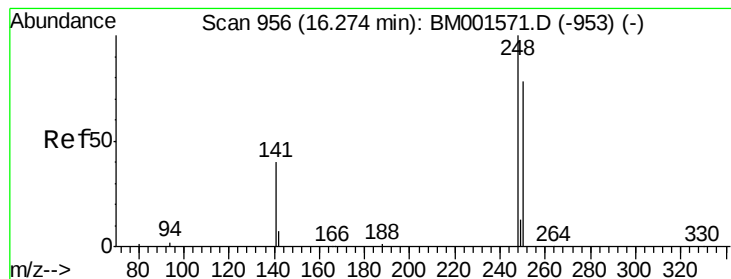
Ion Ratio Lower Upper

188 100

94 0.8 0.7 1.1

80 1.1 0.6 1.0#





#19

4-Bromophenyl-phenylether

Concen: 10.05 ng

RT: 16.27 min Scan# 956

Delta R.T. 0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

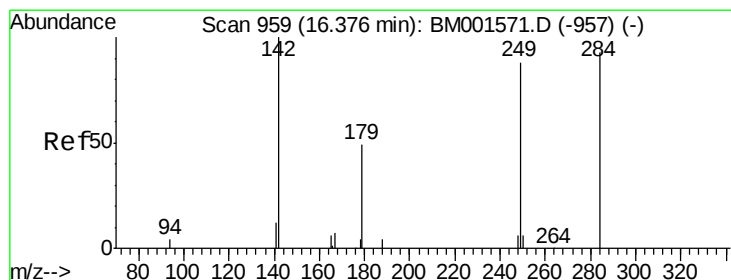
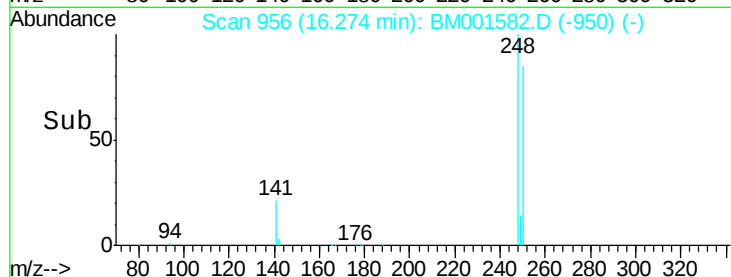
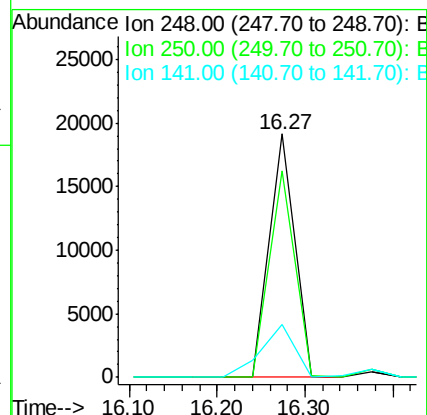
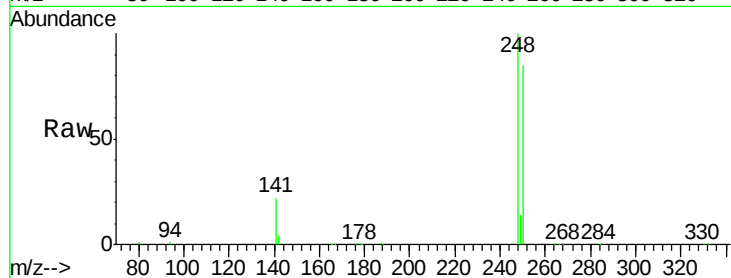
Tgt Ion:248 Resp: 39024

Ion Ratio Lower Upper

248 100

250 85.3 63.1 94.7

141 28.3 35.0 52.6#



#20

Hexachlorobenzene

Concen: 11.57 ng

RT: 16.38 min Scan# 959

Delta R.T. 0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

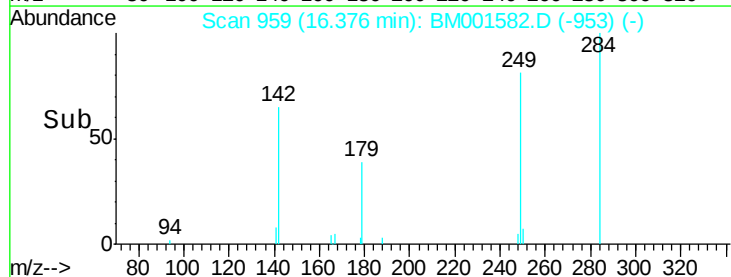
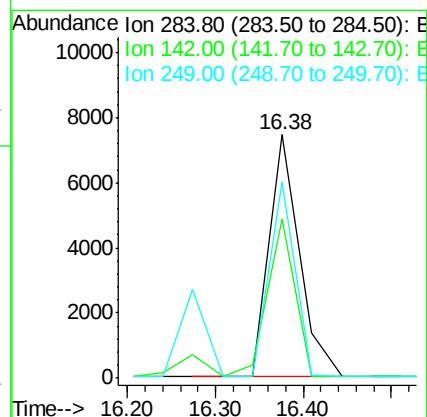
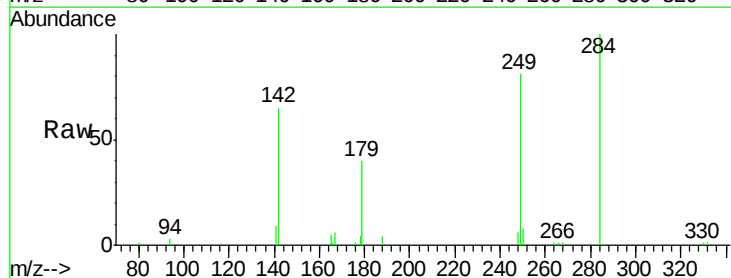
Tgt Ion:284 Resp: 17896

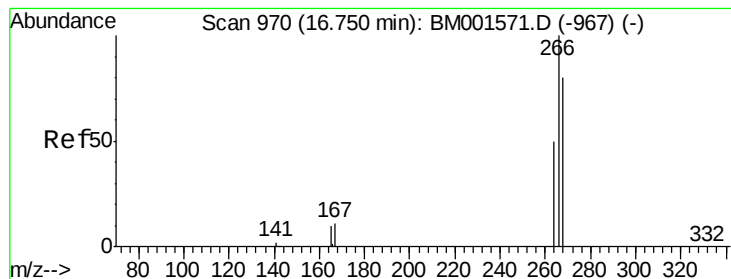
Ion Ratio Lower Upper

284 100

142 66.9 64.2 96.2

249 68.6 55.4 83.0





#21

Pentachlorophenol

Concen: 130.72 ng

RT: 16.75 min Scan# 970

Delta R.T. 0.03 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

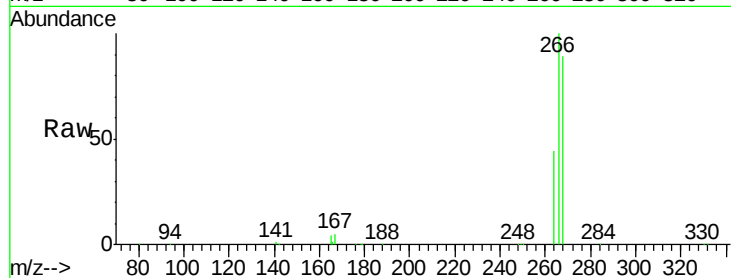
Tgt Ion:266 Resp: 97180

Ion Ratio Lower Upper

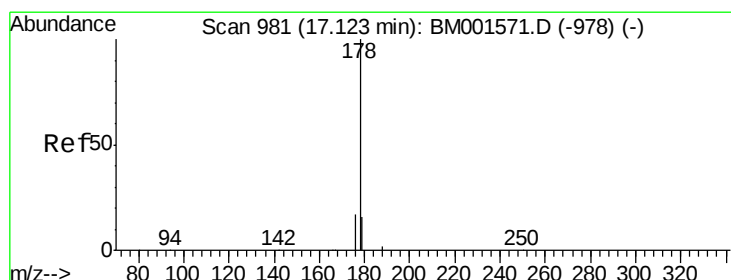
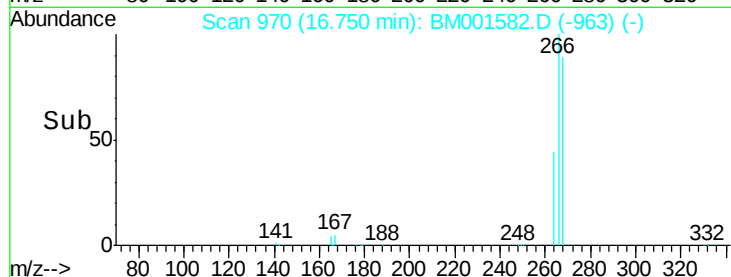
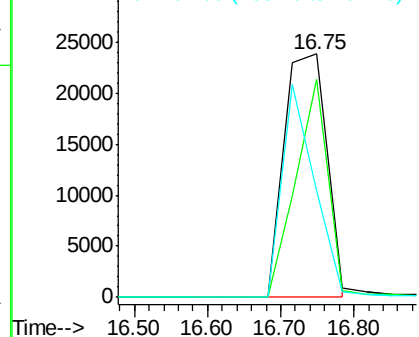
266 100

268 89.4 66.3 99.5

264 44.0 45.5 68.3#



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: 9.11 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

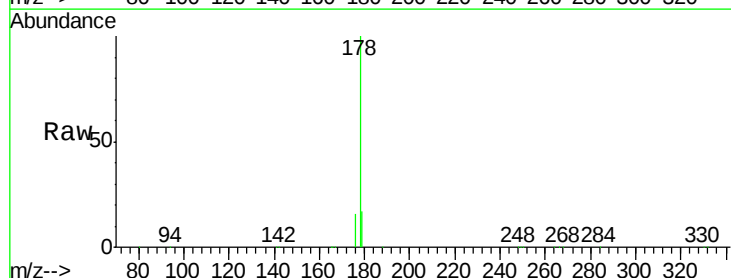
Tgt Ion:178 Resp: 154758

Ion Ratio Lower Upper

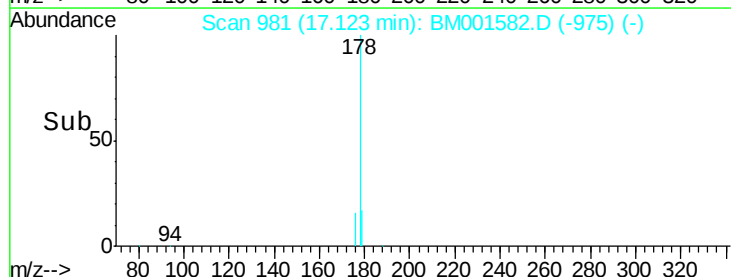
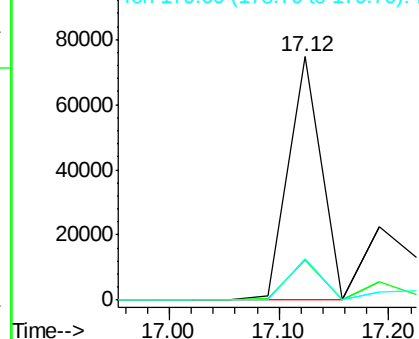
178 100

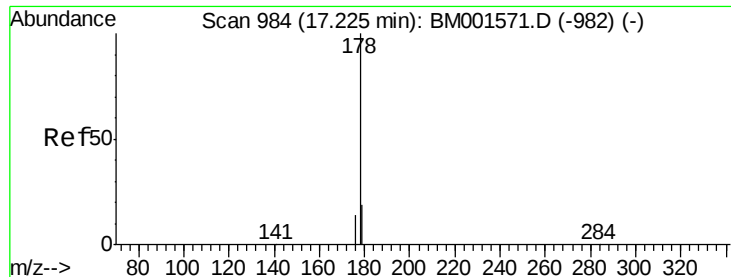
176 16.5 13.5 20.3

179 16.9 13.3 19.9



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: 31.80 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

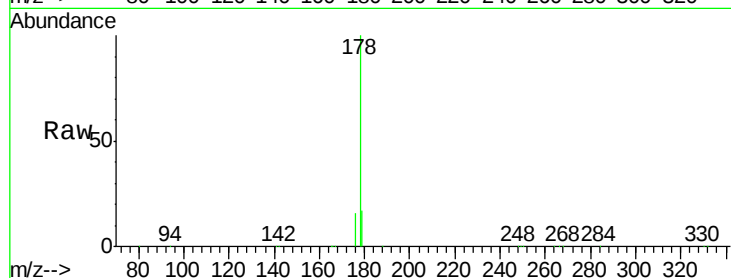
Tgt Ion:178 Resp: 227573

Ion Ratio Lower Upper

178 100

176 17.8 45.9 68.9#

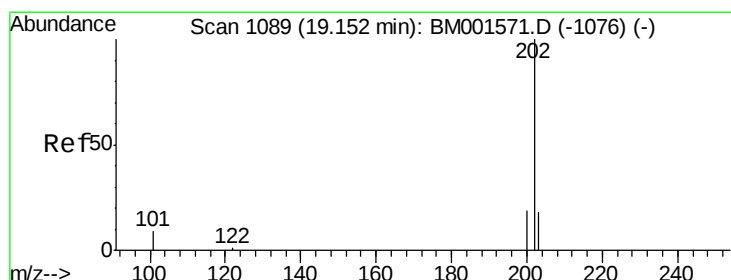
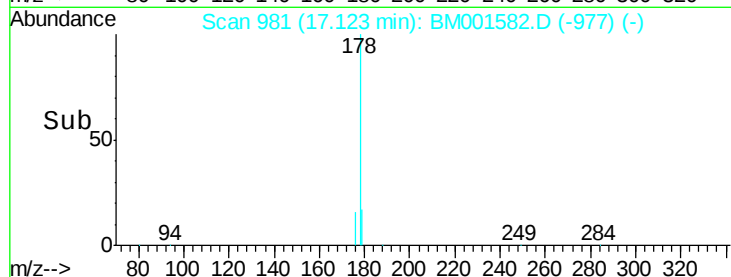
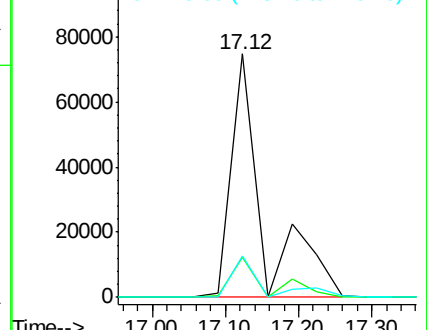
179 16.4 33.3 49.9#



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: 11.01 ng

RT: 19.15 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

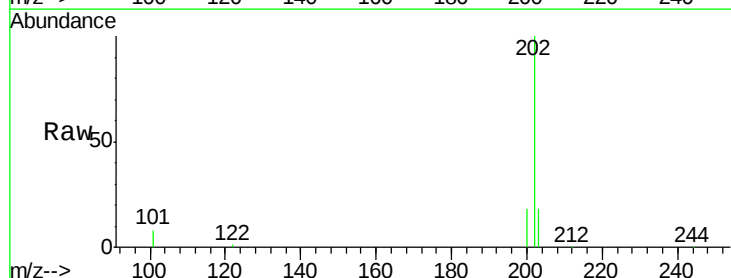
Tgt Ion:202 Resp: 145527

Ion Ratio Lower Upper

202 100

101 12.8 10.0 15.0

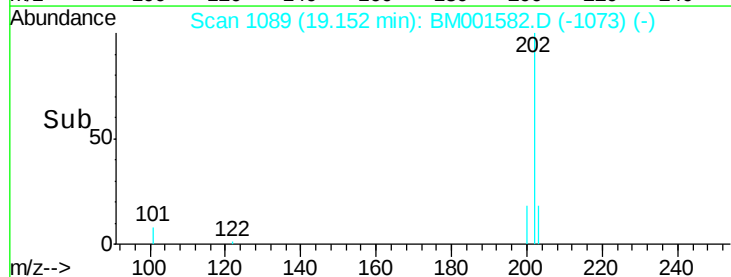
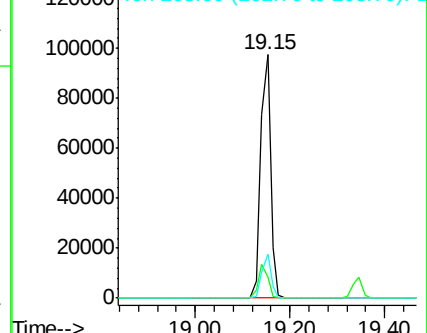
203 17.2 13.9 20.9

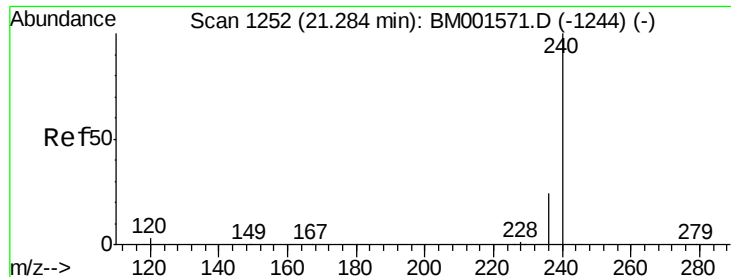


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

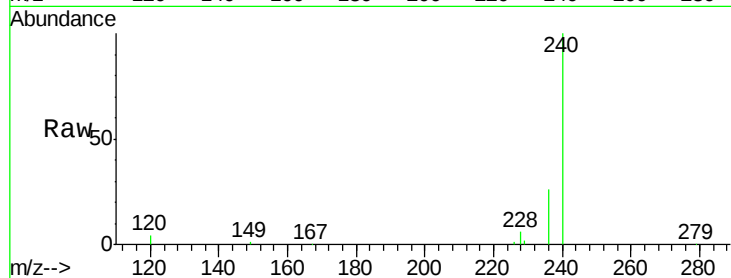
Tgt Ion:240 Resp: 56066

Ion Ratio Lower Upper

240 100

120 3.6 2.2 3.2#

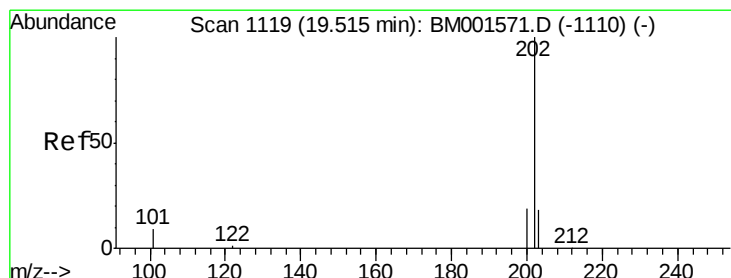
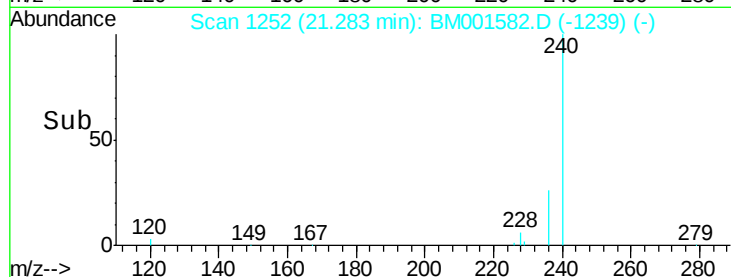
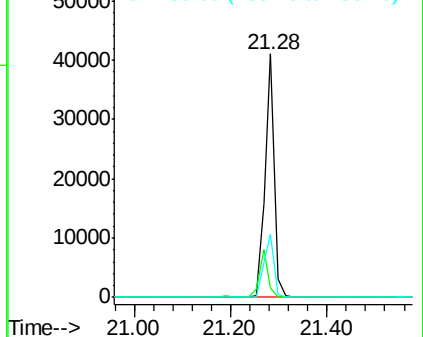
236 25.8 19.5 29.3



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: 8.76 ng

RT: 19.52 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

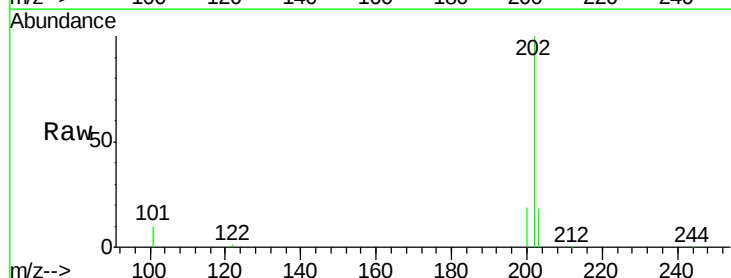
Tgt Ion:202 Resp: 157967

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

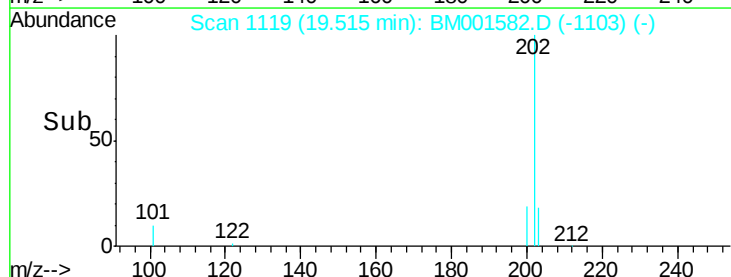
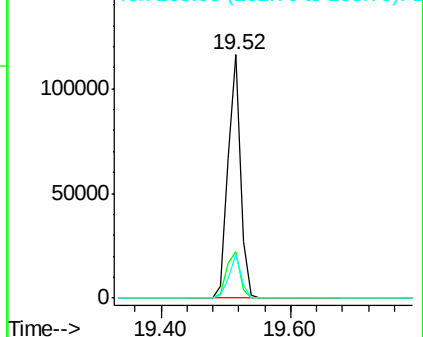
203 17.7 13.9 20.9

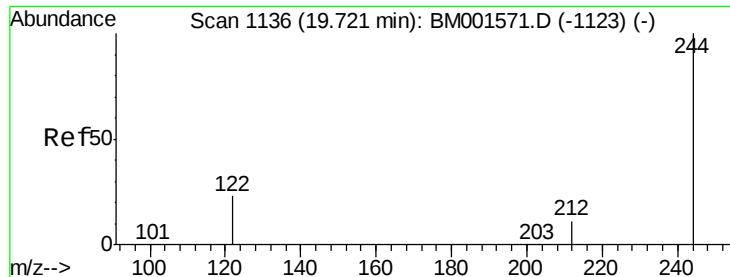


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

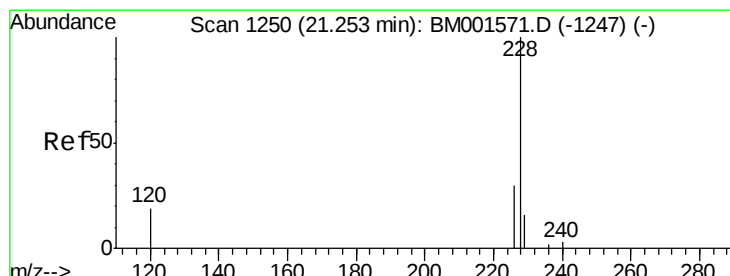
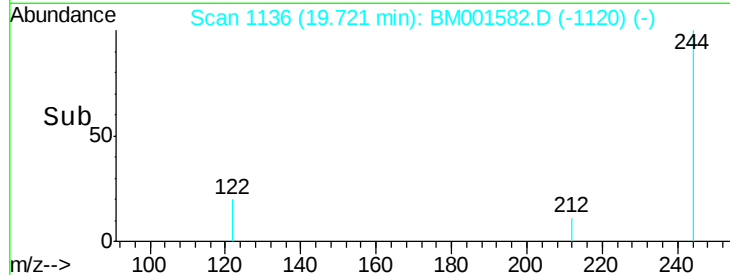
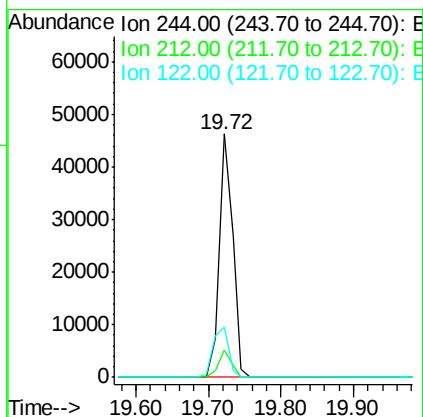
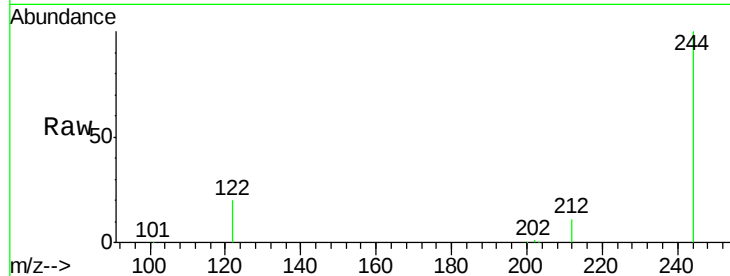




#27
 Terphenyl-d14
 Concen: 8.28 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

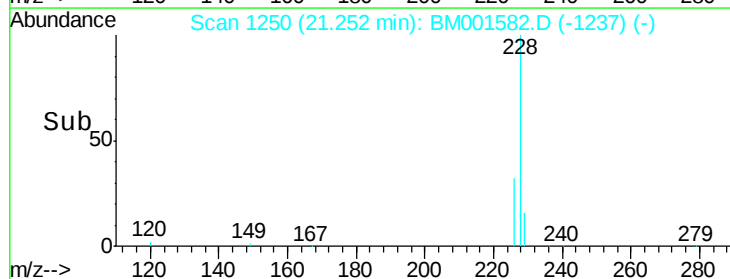
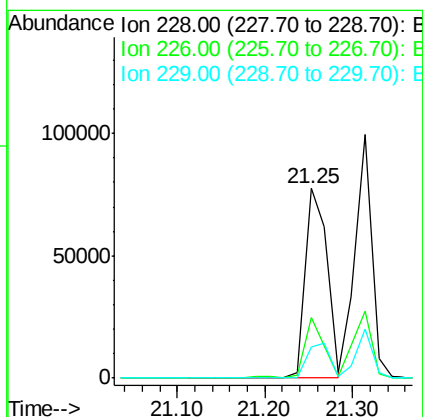
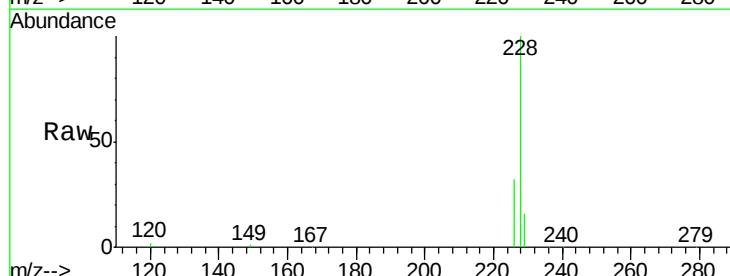
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

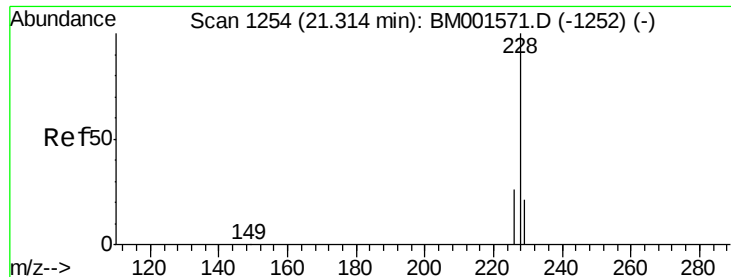
Tgt Ion: 244 Resp: 59920
 Ion Ratio Lower Upper
 244 100
 212 11.4 9.6 14.4
 122 20.5 19.0 28.4



#28
 Benzo(a)anthracene
 Concen: 8.47 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Tgt Ion: 228 Resp: 133730
 Ion Ratio Lower Upper
 228 100
 226 31.9 24.8 37.2
 229 16.2 13.4 20.0





#29

Chrysene

Concen: 8.68 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

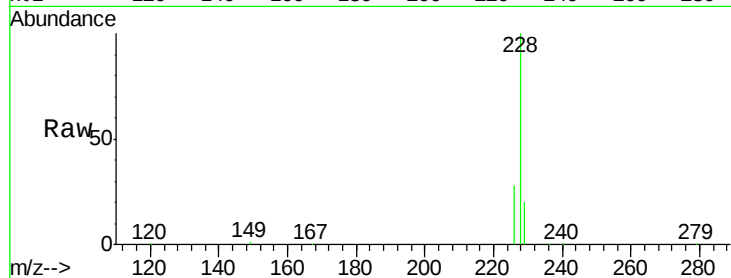
Tgt Ion:228 Resp: 130938

Ion Ratio Lower Upper

228 100

226 27.6 21.0 31.6

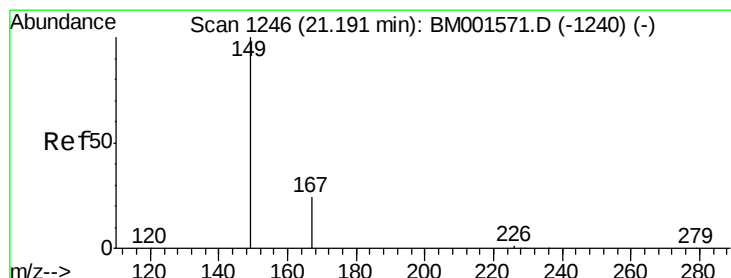
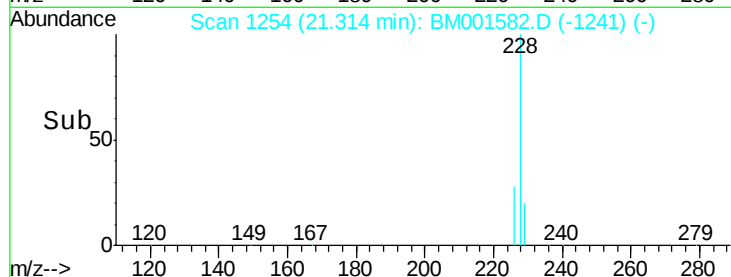
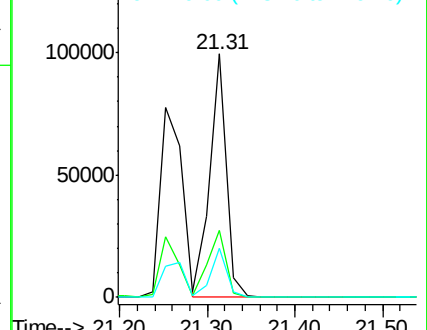
229 20.0 17.2 25.8



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 9.55 ng

RT: 21.19 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

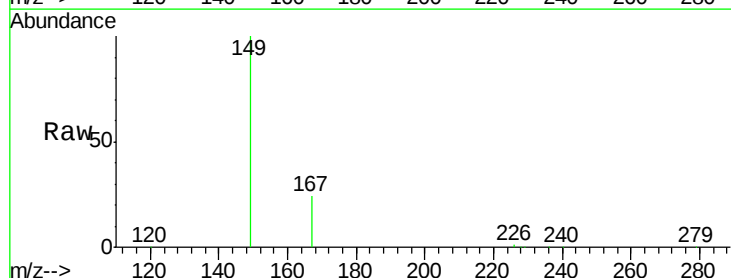
Tgt Ion:149 Resp: 101467

Ion Ratio Lower Upper

149 100

167 25.0 20.2 30.2

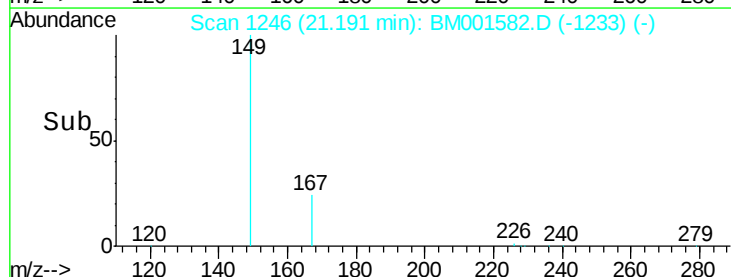
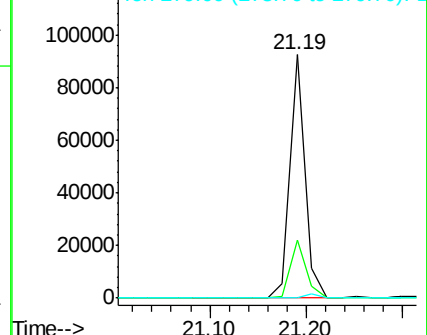
279 2.0 1.8 2.6

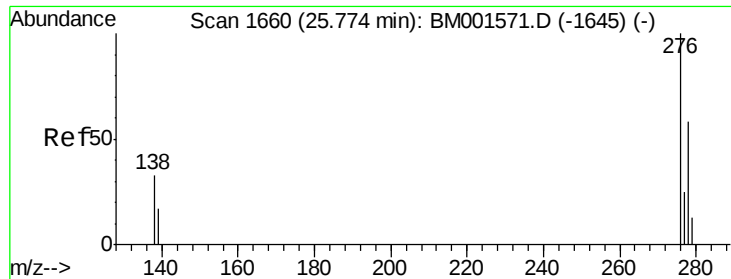


Abundance Ion 149.00 (148.70 to 149.70): E

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: 8.25 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

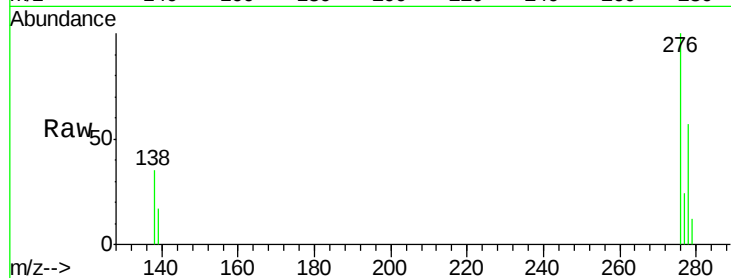
Tgt Ion:276 Resp: 133573

Ion Ratio Lower Upper

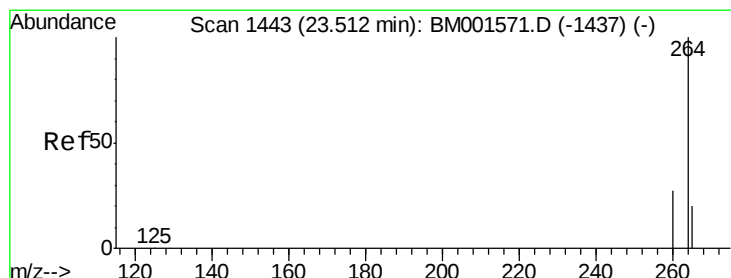
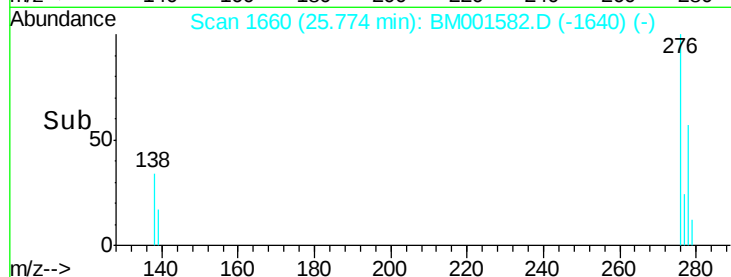
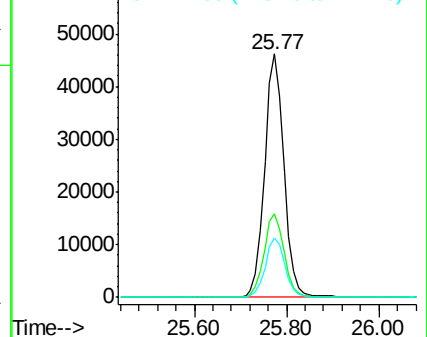
276 100

138 35.7 28.0 42.0

277 24.6 19.7 29.5



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: 23.52 min Scan# 1444

Delta R.T. 0.01 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

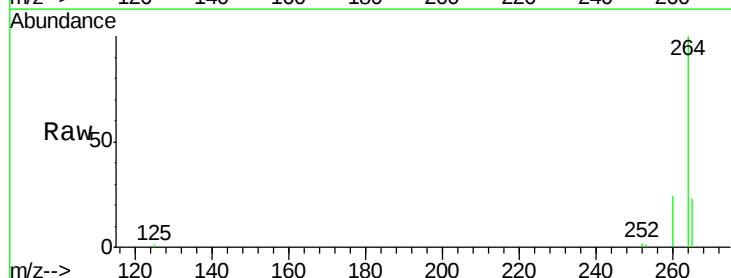
Tgt Ion:264 Resp: 49647

Ion Ratio Lower Upper

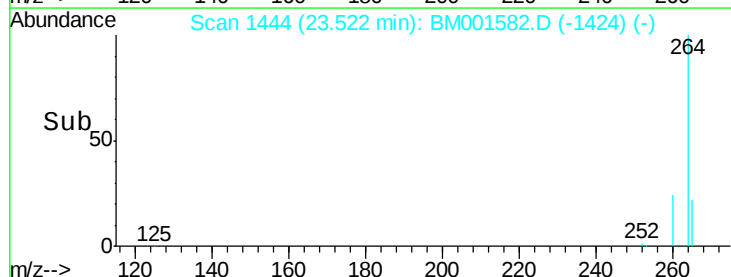
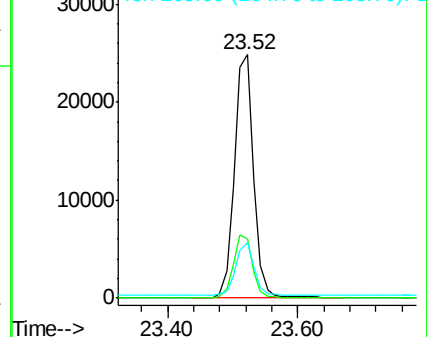
264 100

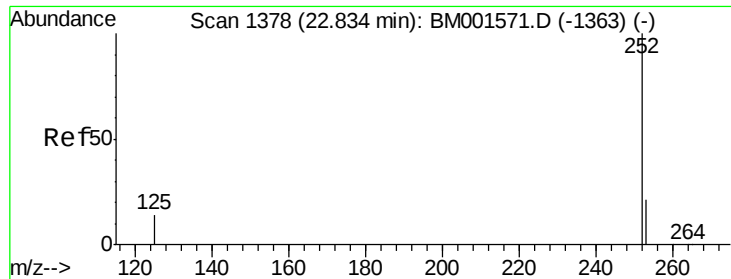
260 24.2 21.6 32.4

265 23.0 16.5 24.7



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: 9.26 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

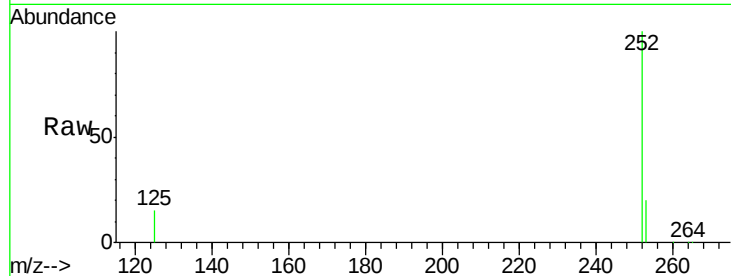
Tgt Ion:252 Resp: 137299

Ion Ratio Lower Upper

252 100

253 20.0 17.4 26.2

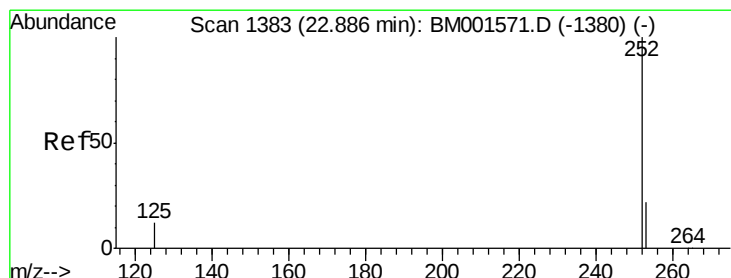
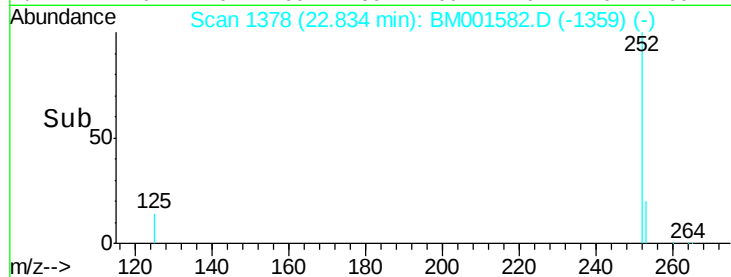
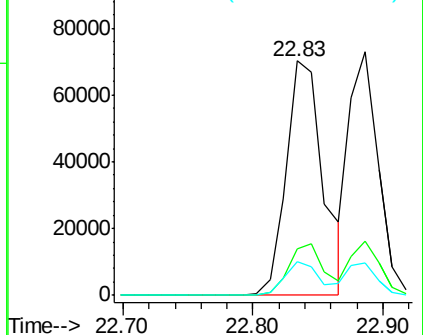
125 14.6 11.8 17.8



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: 8.38 ng

RT: 22.89 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

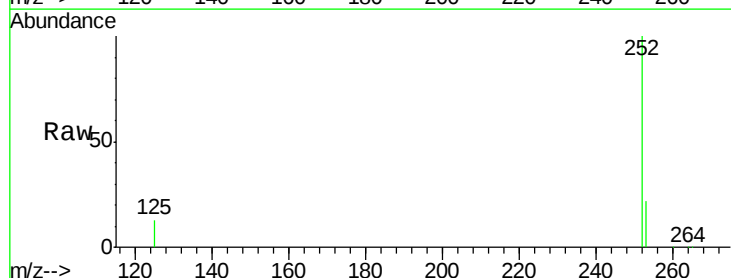
Tgt Ion:252 Resp: 113209

Ion Ratio Lower Upper

252 100

253 22.1 18.8 28.2

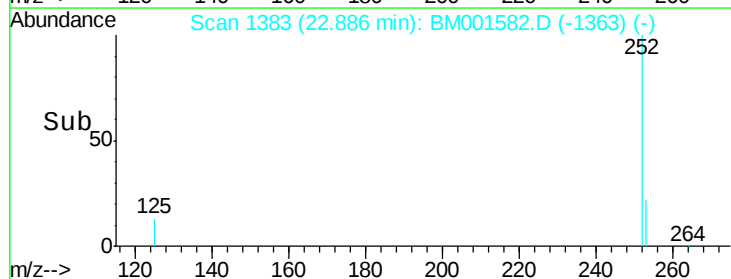
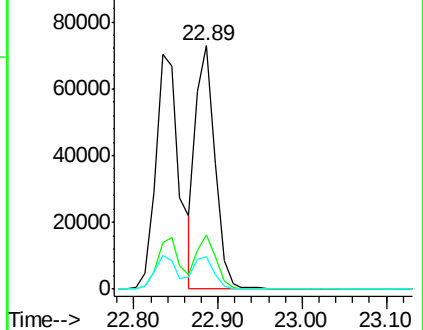
125 13.1 10.7 16.1

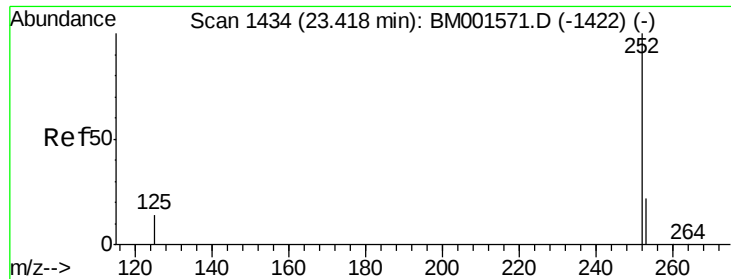


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 9.20 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

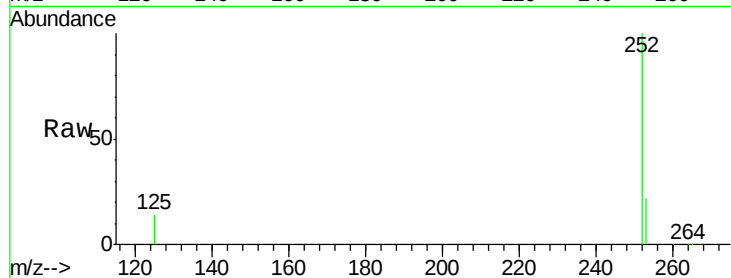
Tgt Ion:252 Resp: 119225

Ion Ratio Lower Upper

252 100

253 22.2 18.8 28.2

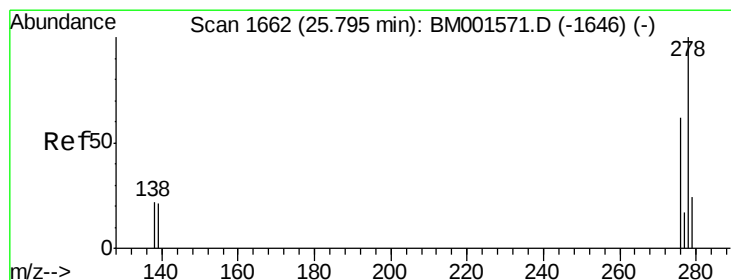
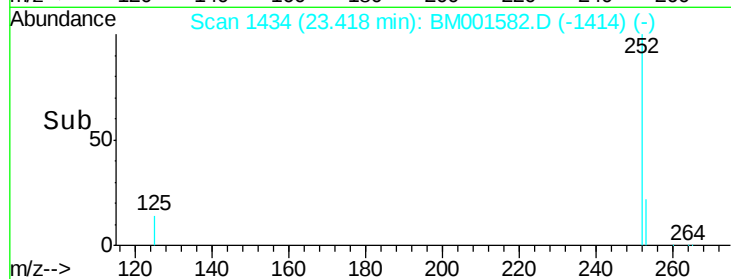
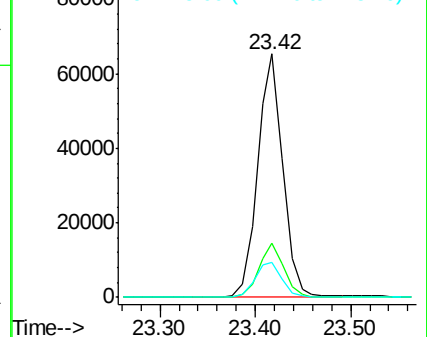
125 14.5 12.1 18.1



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: 8.46 ng

RT: 25.78 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

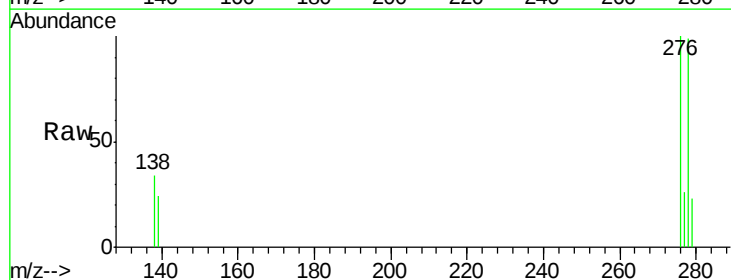
Tgt Ion:278 Resp: 107463

Ion Ratio Lower Upper

278 100

139 24.6 17.4 26.0

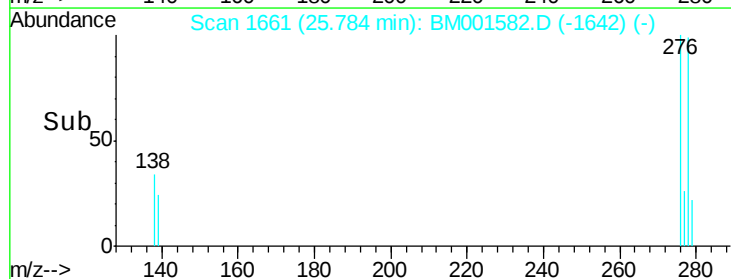
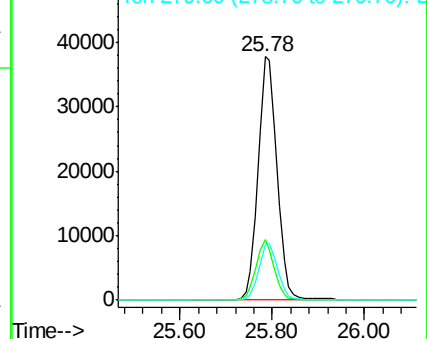
279 22.7 20.0 30.0

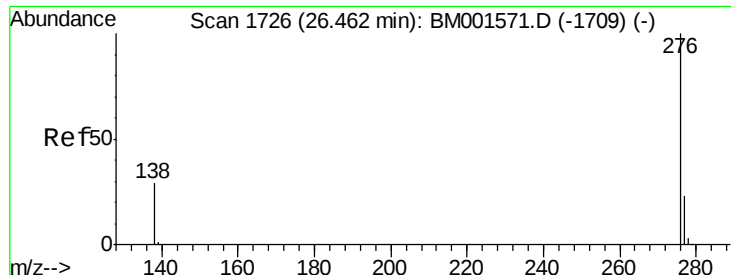


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.29 ng

RT: 26.46 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BM001582.D

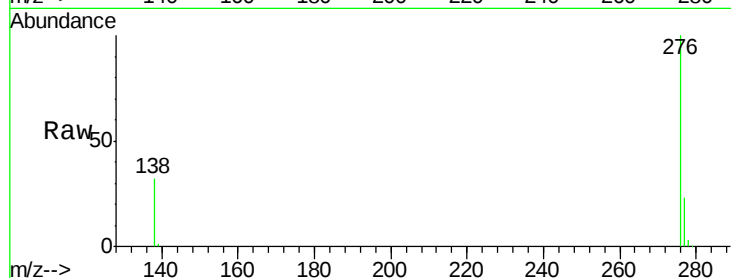
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD



Tgt Ion: 276 Resp: 110661

Ion Ratio Lower Upper

276 100

277 23.0 19.2 28.8

138 31.5 23.7 35.5

