

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
 Data File : BM001619.D
 Acq On : 09 Jun 2015 16:00
 Operator : TP/IZ
 Sample : G2558-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 060515-P18-E-U-B

Quant Time: Jun 10 03:29:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 03:26:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	20921	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	76201	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	35805	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	42109	5.00	ng	0.00
25) Chrysene-d12	21.28	240	54806	5.00	ng	0.00
32) Perylene-d12	23.51	264	47174	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	20190	4.24	ng	0.00
5) Phenol-d6	6.84	99	16839	2.88	ng	0.00
7) Nitrobenzene-d5	8.85	82	43256	8.06	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	25634	14.81	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	96461	8.28	ng	0.00
27) Terphenyl-d14	19.72	244	88300	12.35	ng	0.00

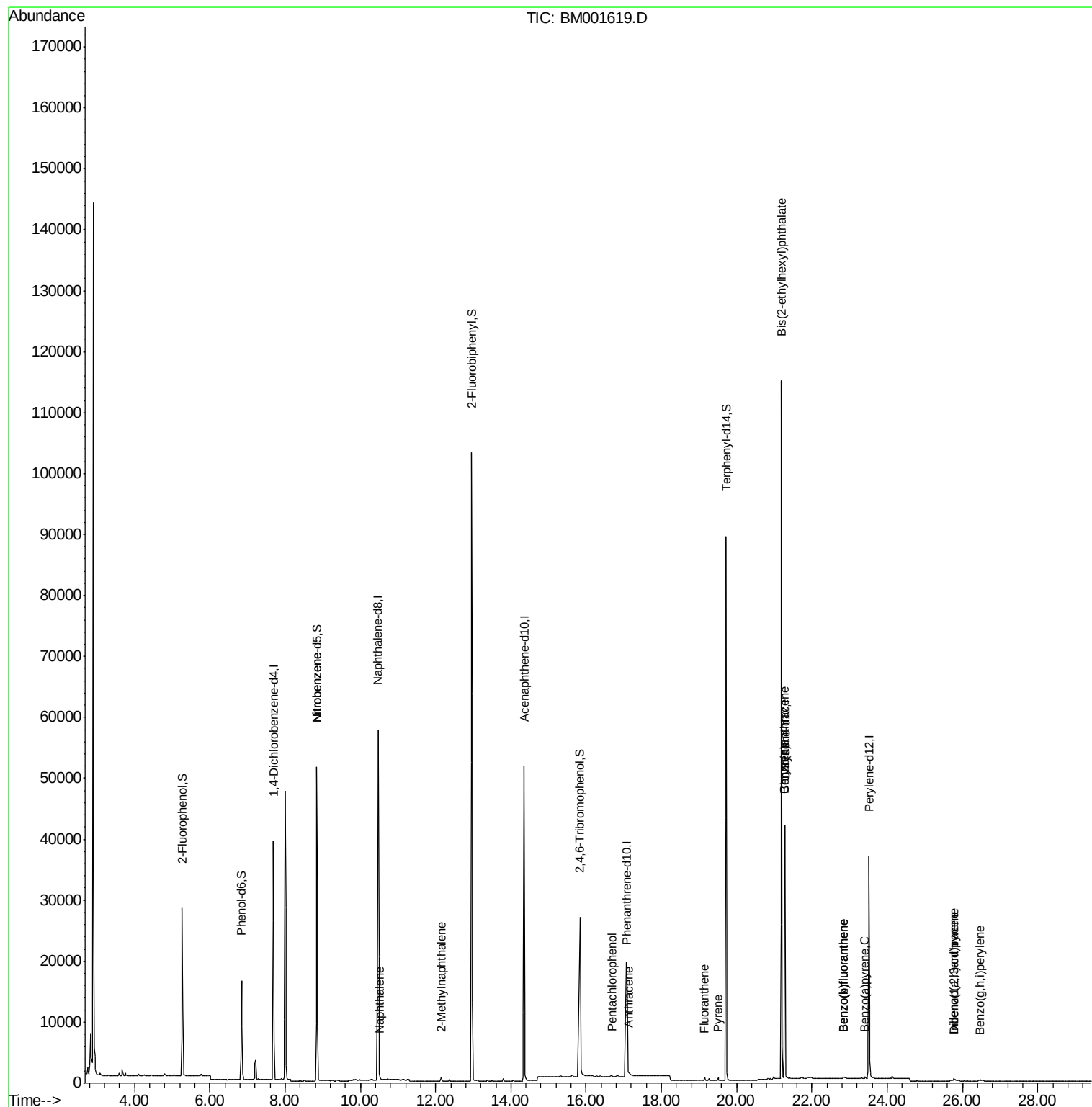
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.85	77	169	0.03	ng	# 33
9) Naphthalene	10.52	128	349	0.02	ng	# 57
11) 2-Methylnaphthalene	12.15	142	473	0.05	ng	# 95
21) Pentachlorophenol	16.68	266	29	0.04	ng	# 69
23) Anthracene	17.12	178	320	0.04	ng	# 90
24) Fluoranthene	19.14	202	526	0.03	ng	# 89
26) Pyrene	19.50	202	579	0.03	ng	# 94
28) Benzo(a)anthracene	21.27	228	780	0.05	ng	# 74
29) Chrysene	21.27	228	780	0.05	ng	# 71
30) Bis(2-ethylhexyl)phthalate	21.19	149	105688	11.43	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.76	276	495	0.03	ng	# 78
33) Benzo(b)fluoranthene	22.83	252	458	0.03	ng	# 1
34) Benzo(k)fluoranthene	22.83	252	458	0.03	ng	# 1
35) Benzo(a)pyrene	23.41	252	292	0.02	ng	# 1
36) Dibenzo(a,h)anthracene	25.78	278	393	0.03	ng	# 13
37) Benzo(g,h,i)perylene	26.46	276	450	0.04	ng	# 51

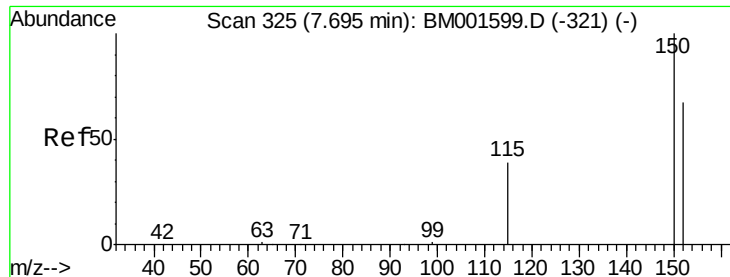
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

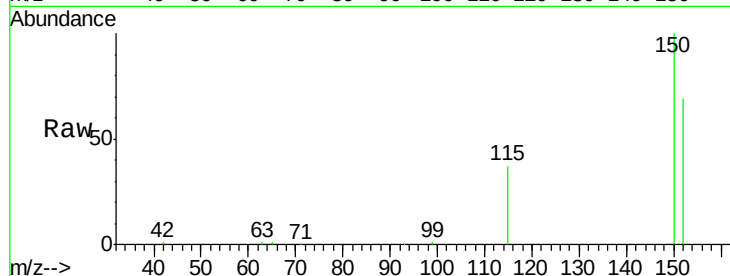
Tgt Ion:152 Resp: 20921

Ion Ratio Lower Upper

152 100

150 144.3 120.1 180.1

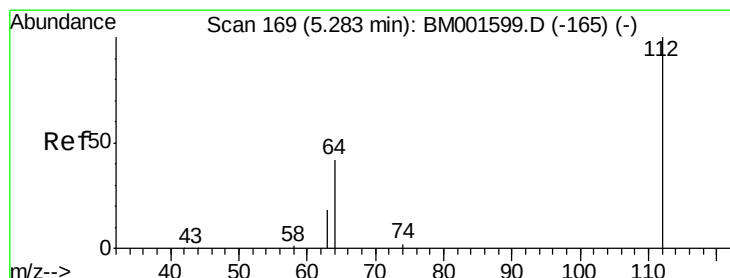
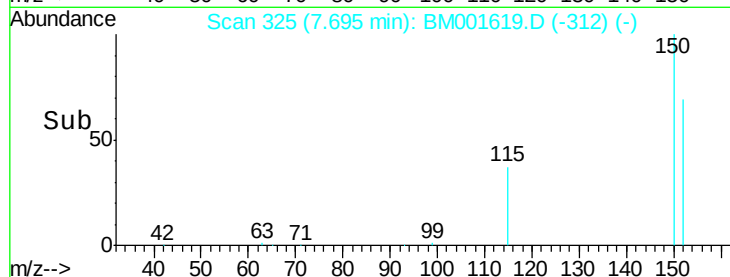
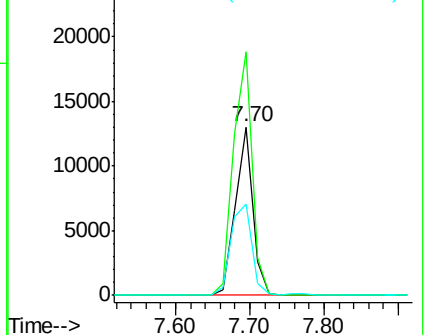
115 54.1 47.0 70.6



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



#4

2-Fluorophenol

Concen: 4.24 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

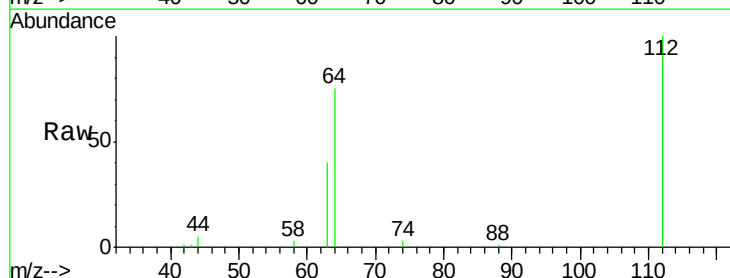
Tgt Ion:112 Resp: 20190

Ion Ratio Lower Upper

112 100

64 67.8 54.8 82.2

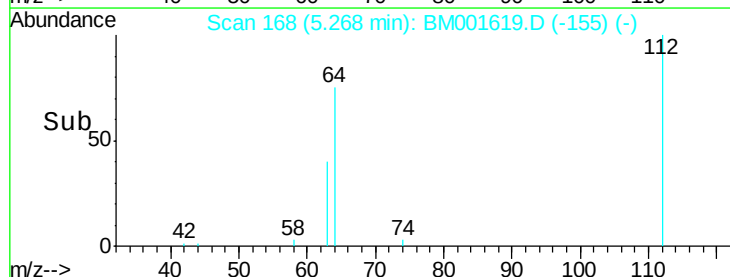
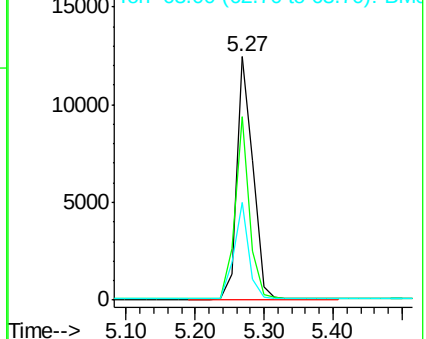
63 37.2 30.5 45.7

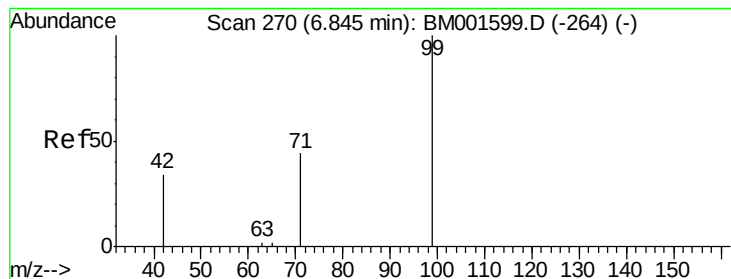


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 2.88 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

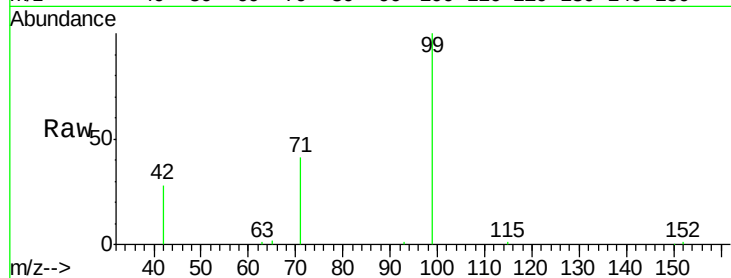
Tgt Ion: 99 Resp: 16839

Ion Ratio Lower Upper

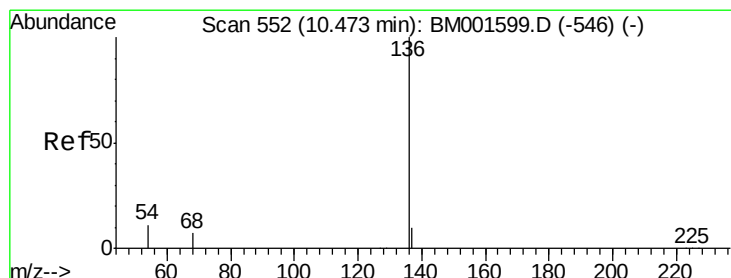
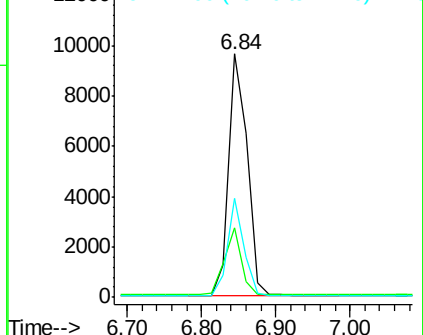
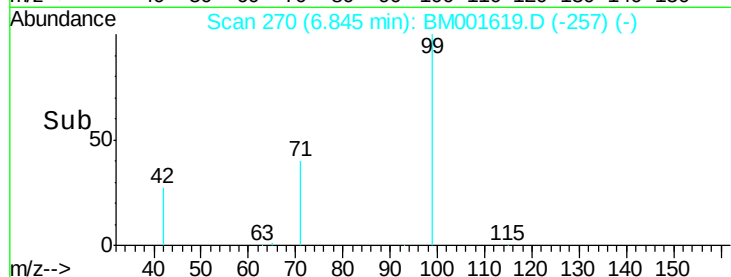
99 100

42 24.9 21.6 32.4

71 35.6 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001619.D (-257) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Tgt Ion: 136 Resp: 76201

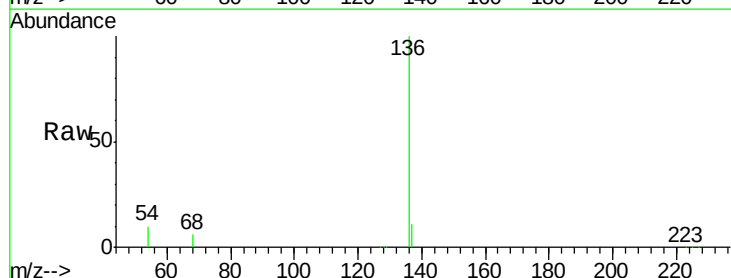
Ion Ratio Lower Upper

136 100

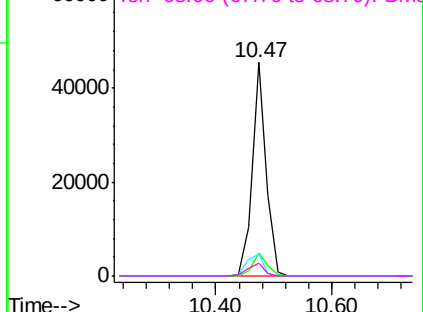
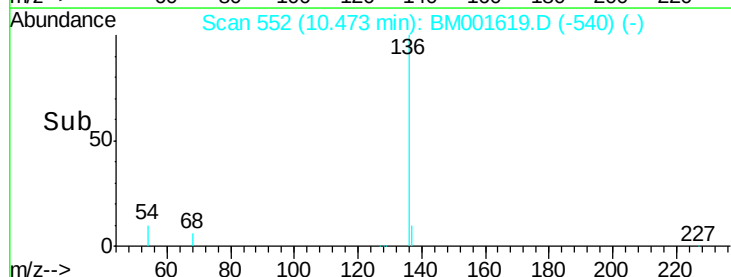
137 10.6 8.3 12.5

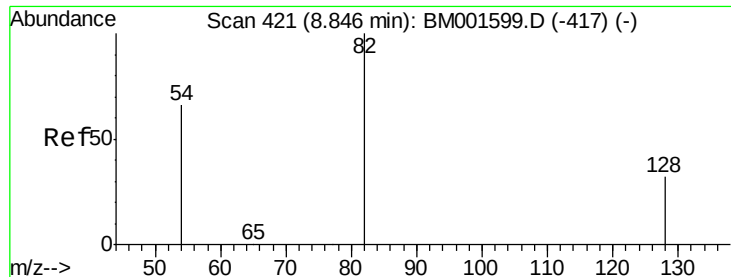
54 10.0 9.2 13.8

68 6.3 5.5 8.3



Abundance Ion 136.00 (135.70 to 136.70): BM001619.D (-540) (-)





#7

Nitrobenzene-d5

Concen: 8.06 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

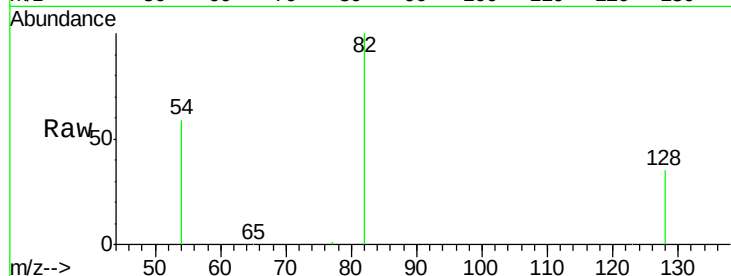
Tgt Ion: 82 Resp: 43256

Ion Ratio Lower Upper

82 100

128 34.9 26.6 40.0

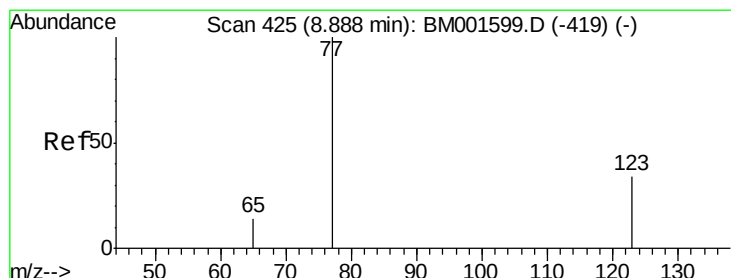
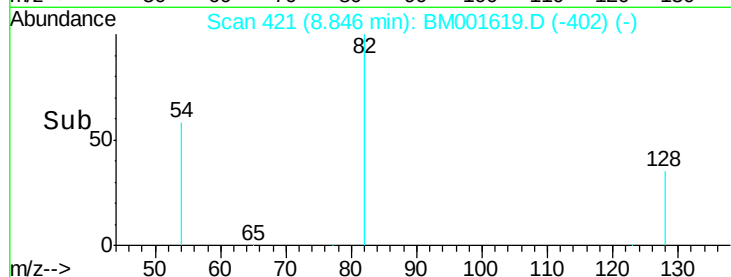
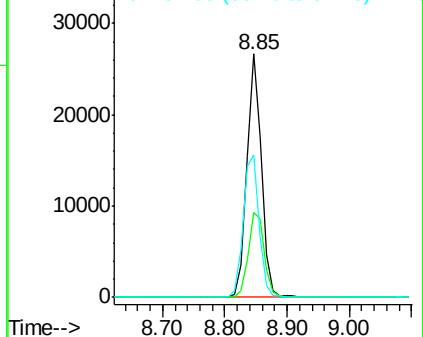
54 58.6 53.0 79.6



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: 0.03 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

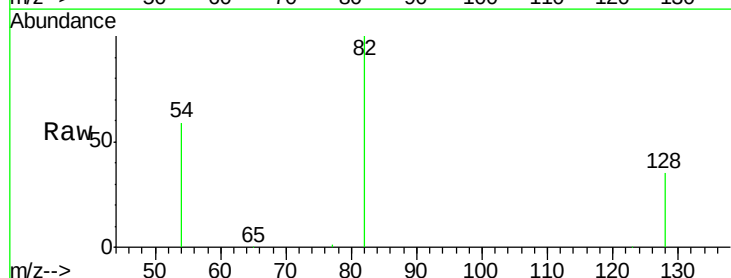
Tgt Ion: 77 Resp: 169

Ion Ratio Lower Upper

77 100

123 1.2 31.0 46.6#

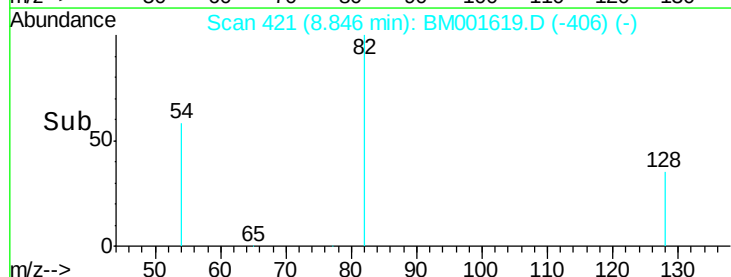
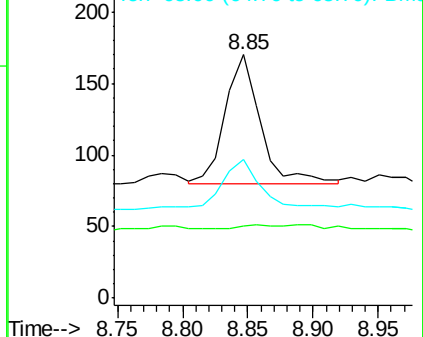
65 46.7 11.4 17.0#

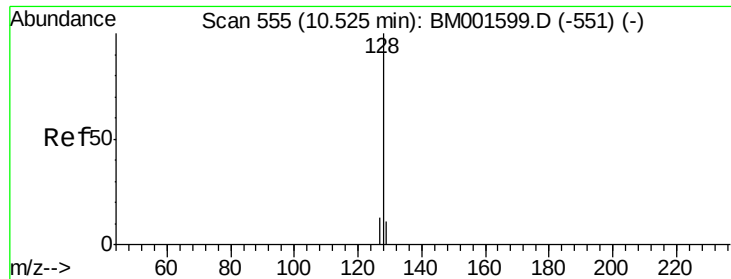


Abundance Ion 77.00 (76.70 to 77.70): BM001599.D (-419) (-)

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: 0.02 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

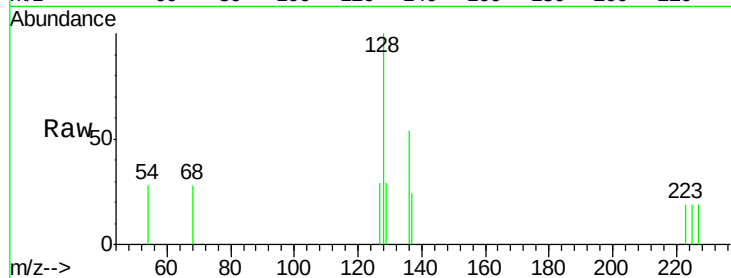
Tgt Ion:128 Resp: 349

Ion Ratio Lower Upper

128 100

129 29.1 9.1 13.7#

127 28.7 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

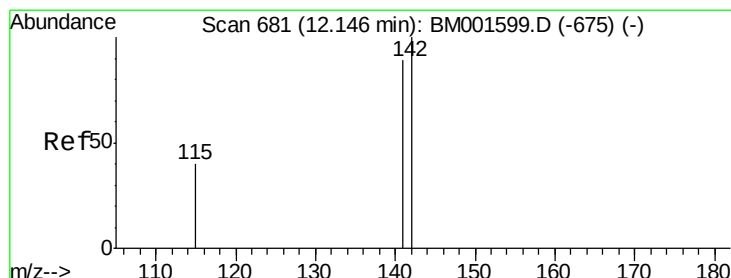
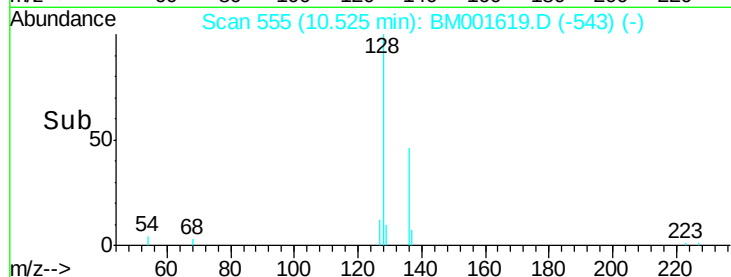
10.52

200

100

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.15 min Scan# 681

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

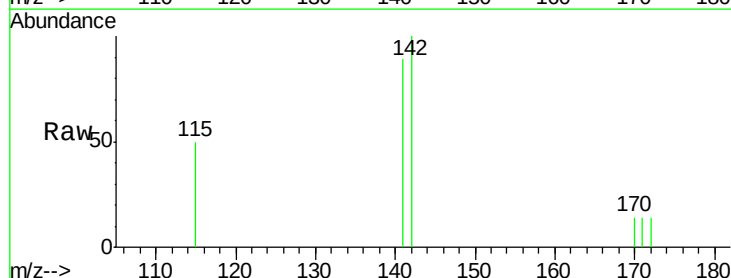
Tgt Ion:142 Resp: 473

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

115 49.7 32.1 48.1#



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

12.15

400

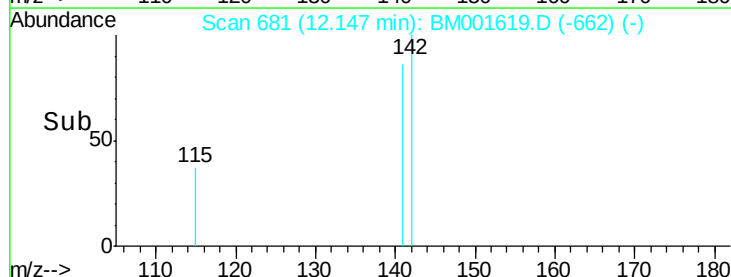
300

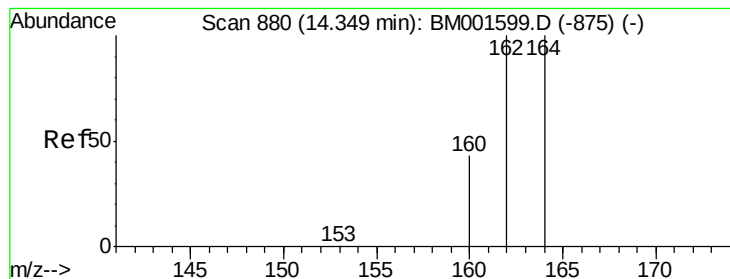
200

100

0

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

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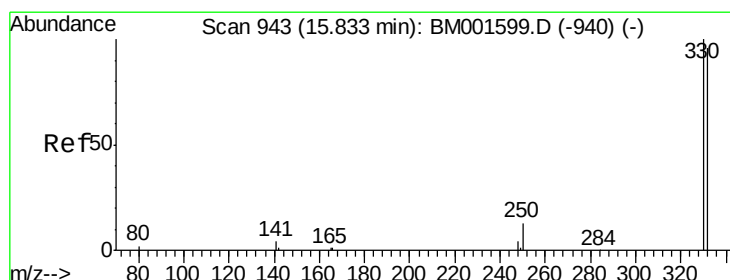
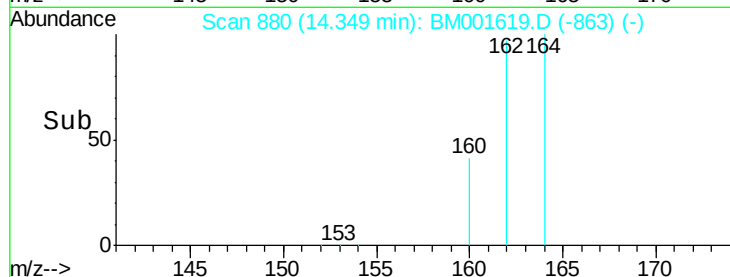
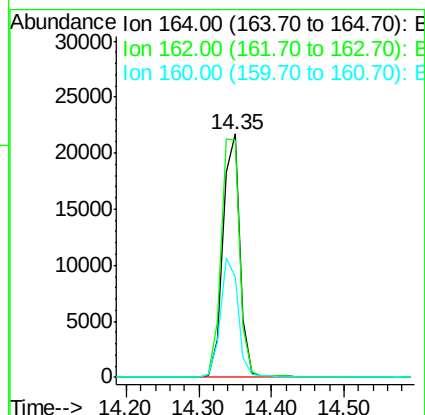
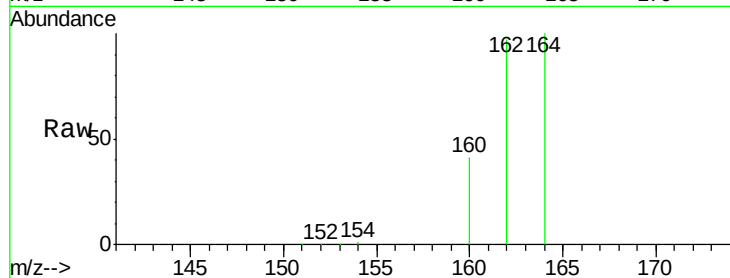
Tgt Ion:164 Resp: 35805

Ion Ratio Lower Upper

164 100

162 97.2 79.8 119.6

160 41.2 34.6 51.8



#13

2,4,6-Tribromophenol

Concen: 14.81 ng

RT: 15.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

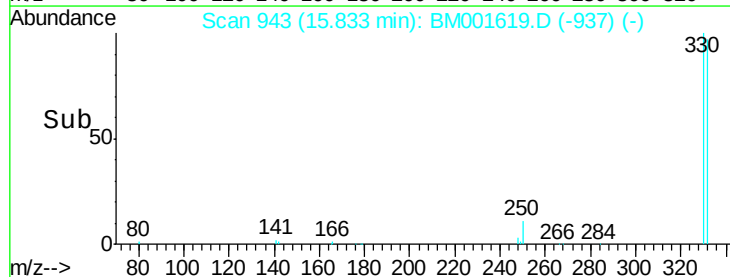
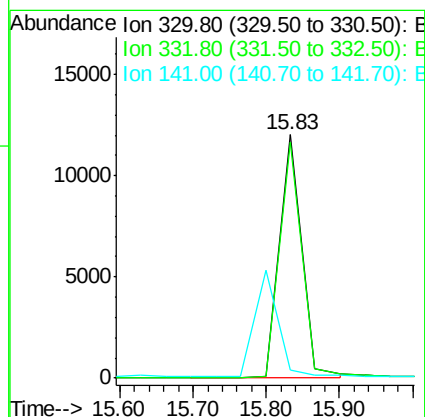
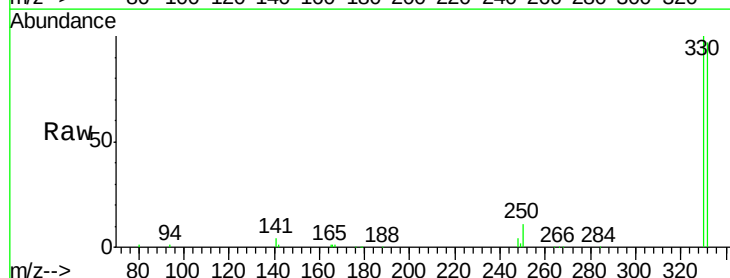
Tgt Ion:330 Resp: 25634

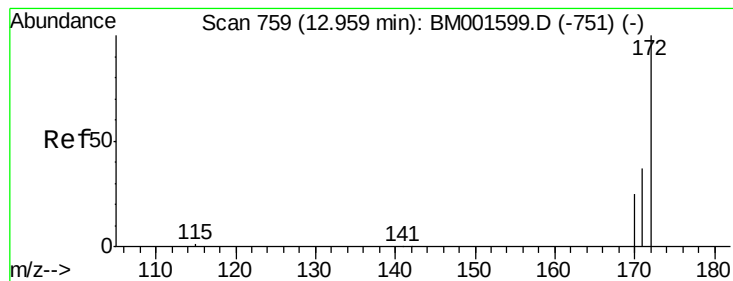
Ion Ratio Lower Upper

330 100

332 97.3 76.7 115.1

141 0.0 0.0 0.0





#14

2-Fluorobiphenyl

Concen: 8.28 ng

RT: 12.96 min Scan# 759

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

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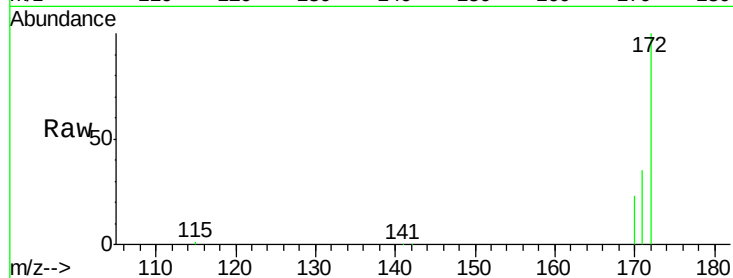
Tgt Ion:172 Resp: 96461

Ion Ratio Lower Upper

172 100

171 34.9 29.6 44.4

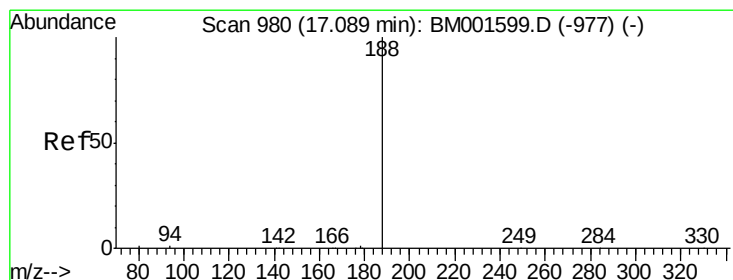
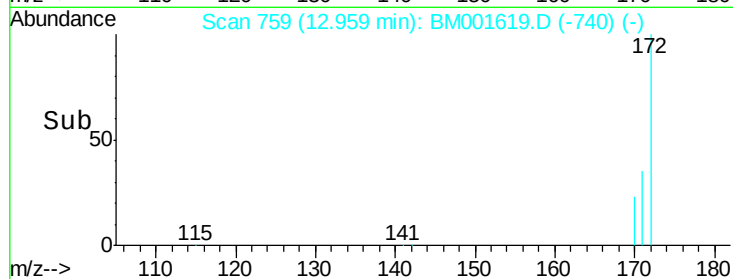
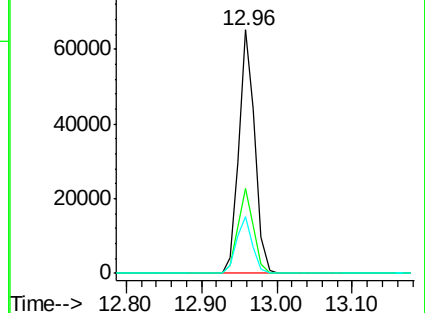
170 23.1 20.6 31.0



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

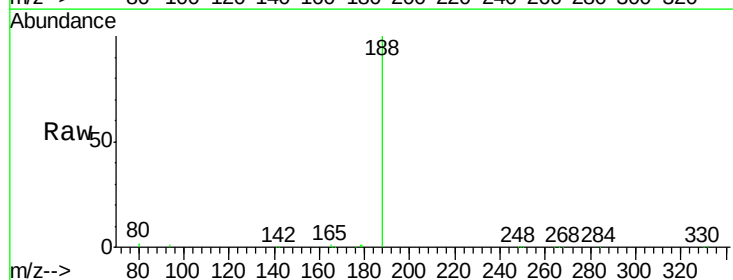
Tgt Ion:188 Resp: 42109

Ion Ratio Lower Upper

188 100

94 1.5 1.0 1.6

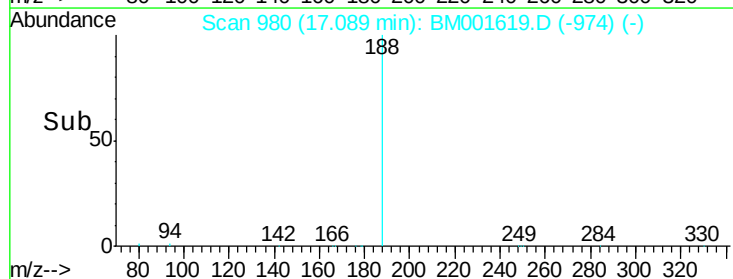
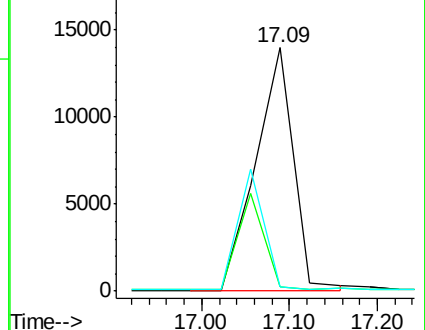
80 1.5 1.0 1.4#

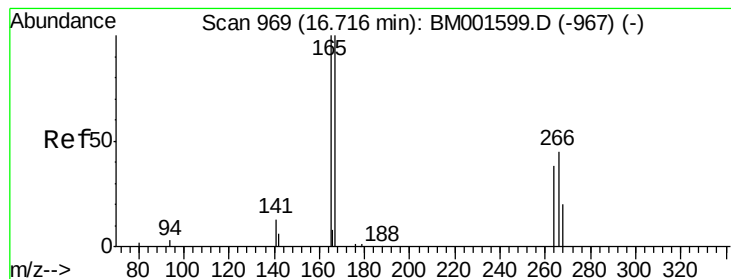


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#21

Pentachlorophenol

Concen: 0.04 ng

RT: 16.68 min Scan# 968

Delta R.T. -0.03 min

Lab File: BM001619.D

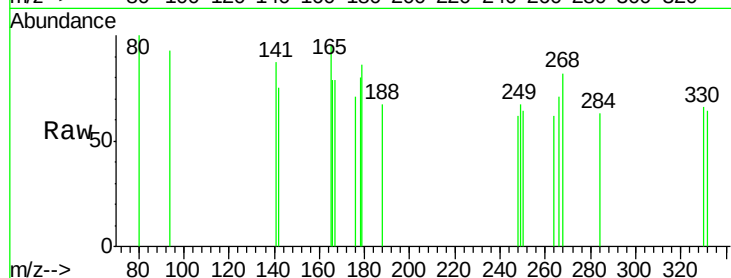
Acq: 09 Jun 2015 16:00

Instrument :

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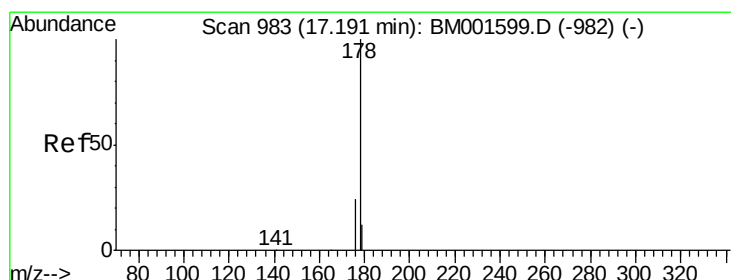
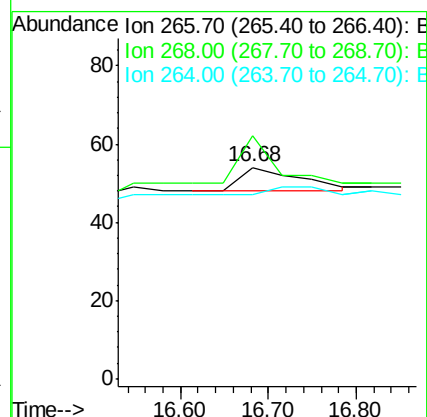
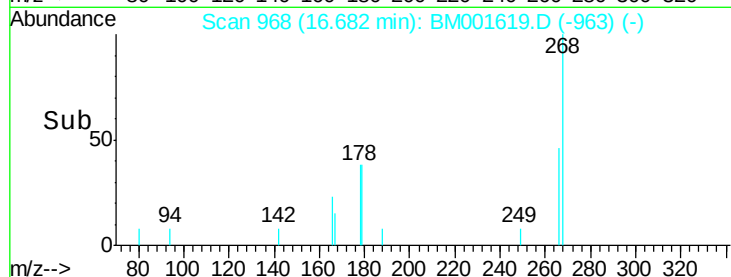
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

268 114.8 45.8 68.8#

264 87.0 70.6 106.0



#23

Anthracene

Concen: 0.04 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

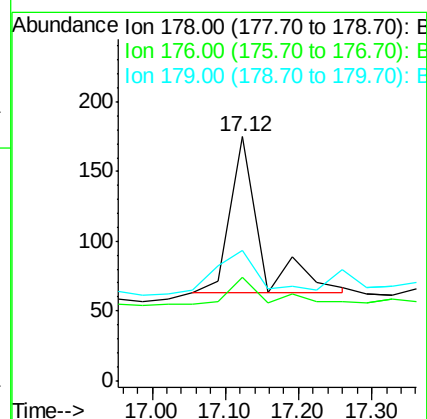
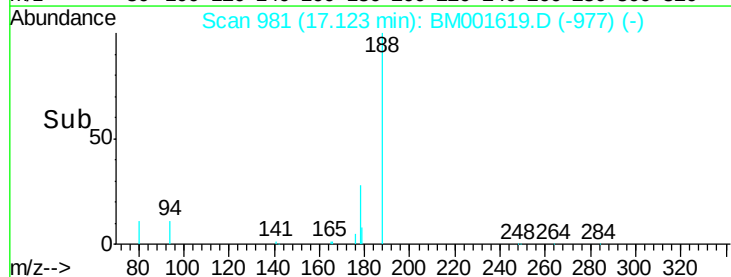
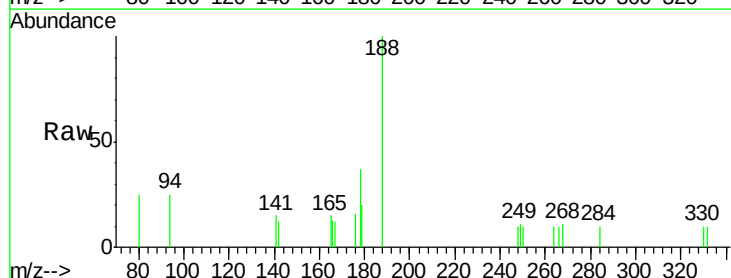
Tgt Ion:178 Resp: 320

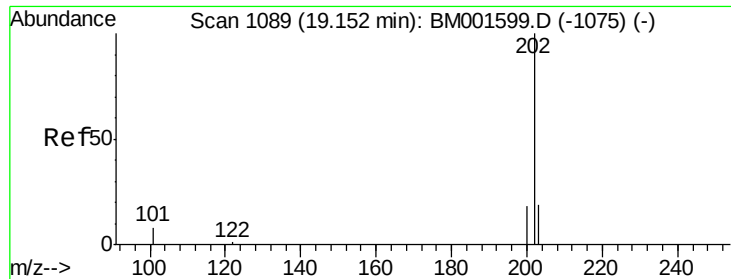
Ion Ratio Lower Upper

178 100

176 19.7 21.9 32.9#

179 31.3 23.0 34.4

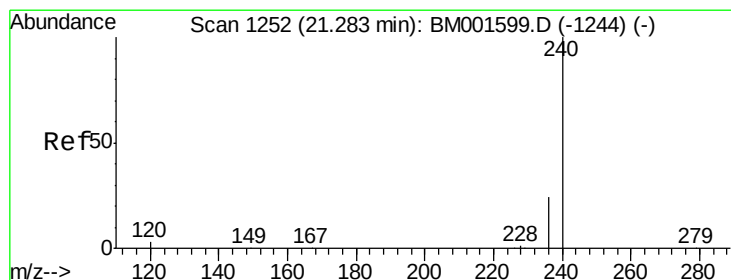
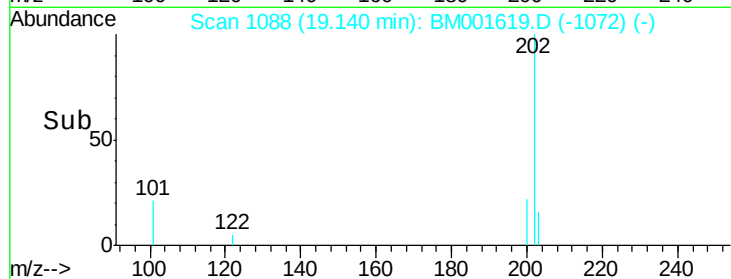
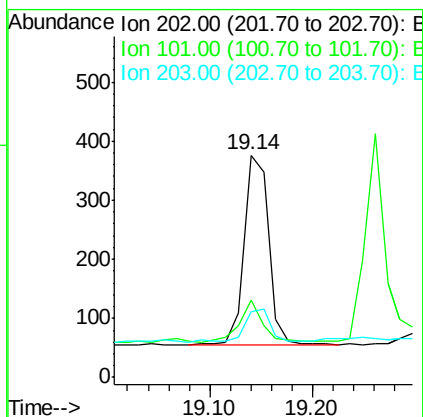
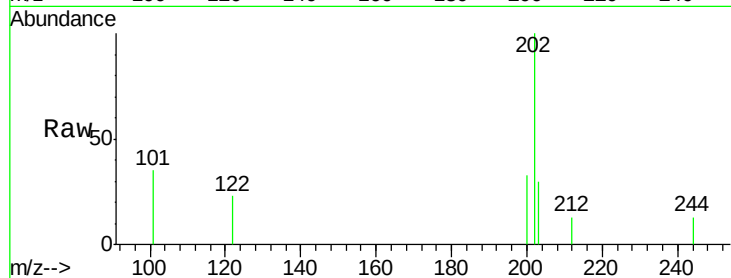




#24
 Fluoranthene
 Concen: 0.03 ng
 RT: 19.14 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

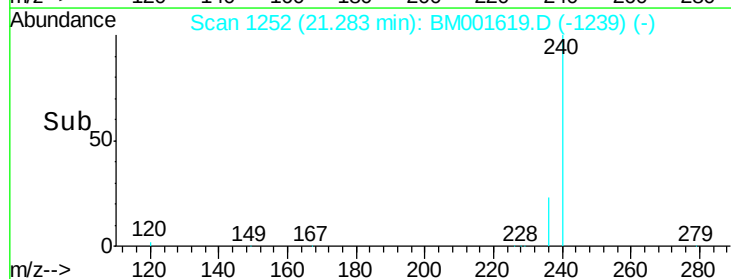
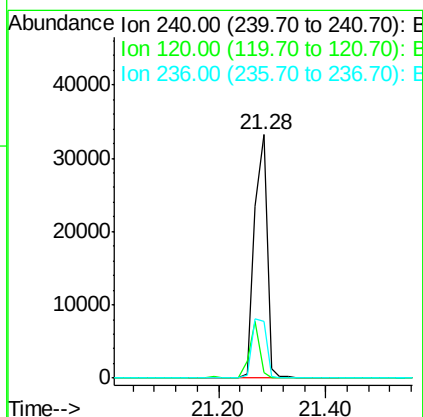
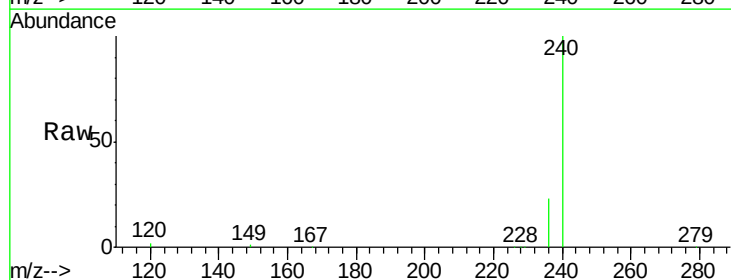
Instrument :
 BNA_M
 ClientSampleId :
 060515-P18-E-U-B

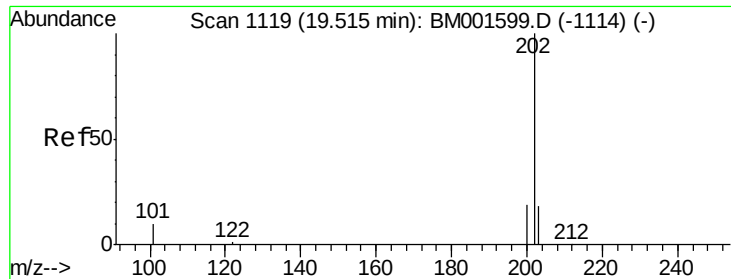
Tgt Ion: 202 Resp: 526
 Ion Ratio Lower Upper
 202 100
 101 20.9 10.4 15.6#
 203 19.2 13.8 20.6



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.28 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

Tgt Ion: 240 Resp: 54806
 Ion Ratio Lower Upper
 240 100
 120 2.1 2.2 3.4#
 236 23.3 19.6 29.4

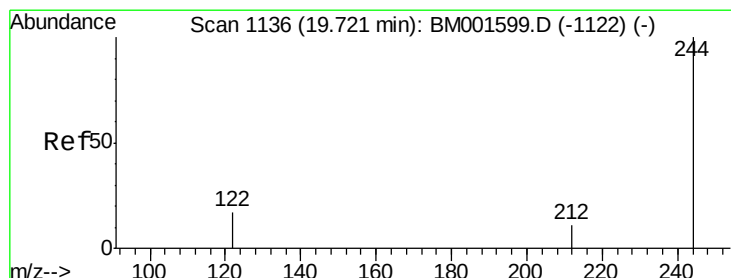
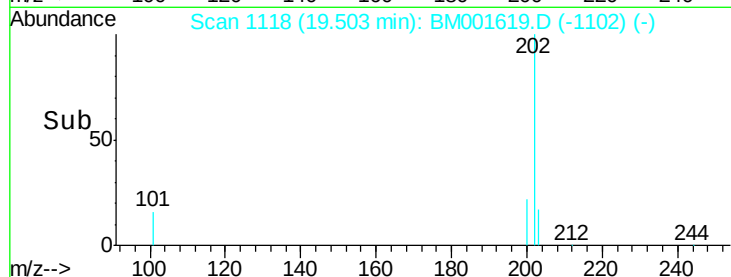
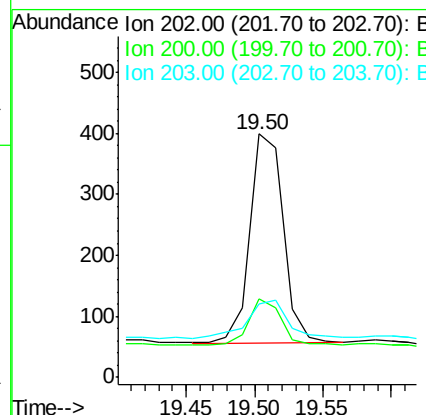
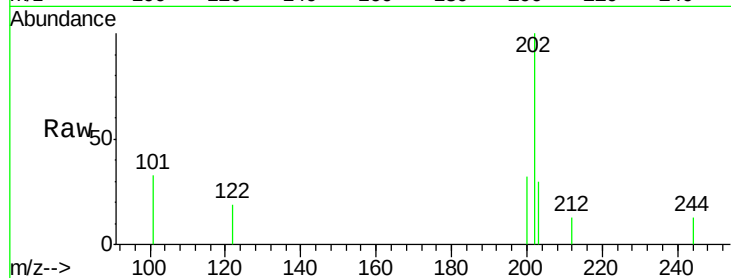




#26
Pyrene
Concen: 0.03 ng
RT: 19.50 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BM001619.D
Acq: 09 Jun 2015 16:00

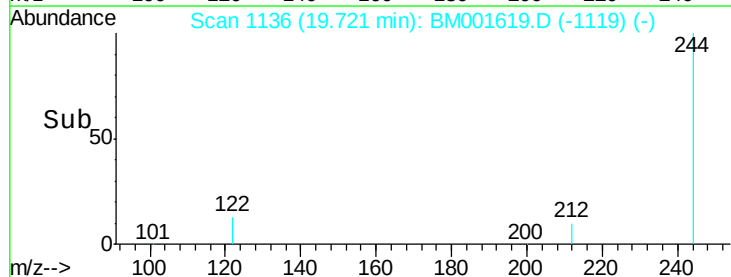
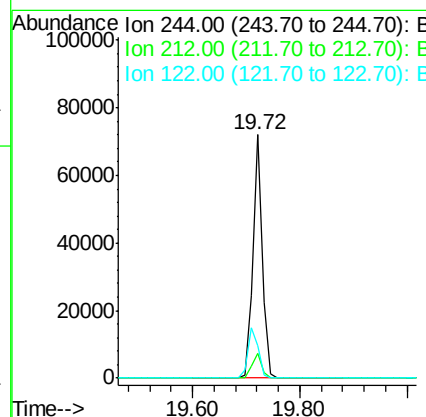
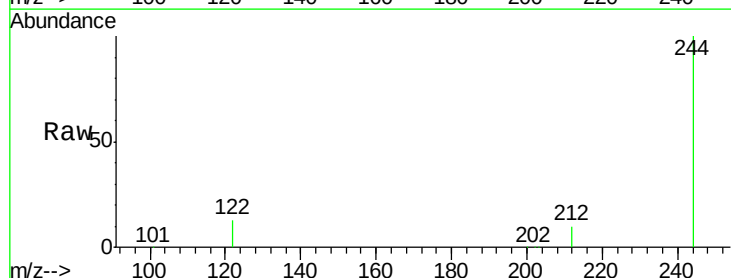
Instrument :
BNA_M
ClientSampleId :
060515-P18-E-U-B

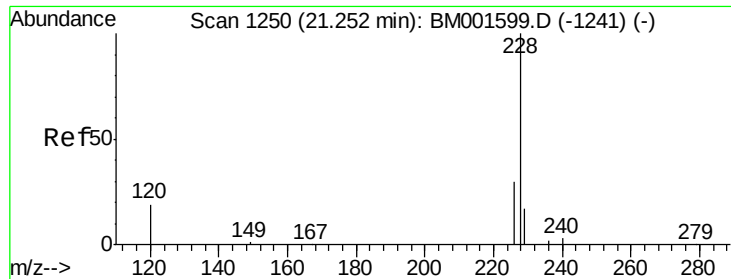
Tgt Ion: 202 Resp: 579
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 22.8 14.0 21.0#



#27
Terphenyl-d14
Concen: 12.35 ng
RT: 19.72 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BM001619.D
Acq: 09 Jun 2015 16:00

Tgt Ion: 244 Resp: 88300
Ion Ratio Lower Upper
244 100
212 10.1 9.2 13.8
122 13.3 14.5 21.7#





#28

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

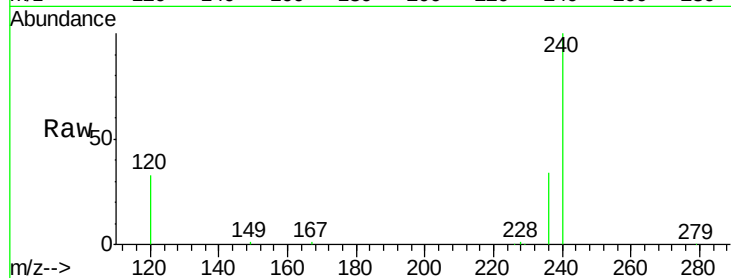
Tgt Ion:228 Resp: 780

Ion Ratio Lower Upper

228 100

226 36.7 24.6 37.0

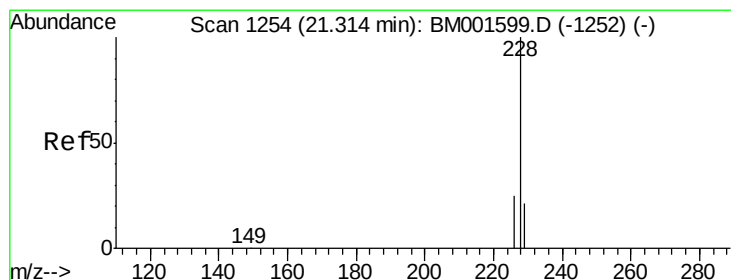
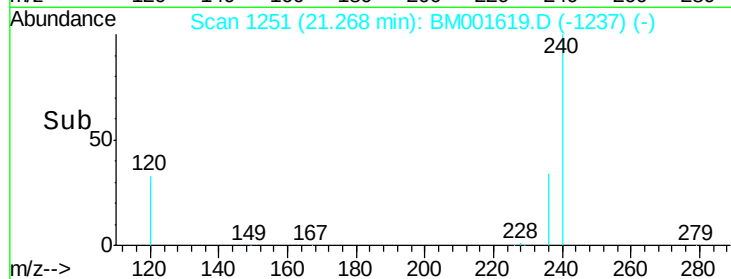
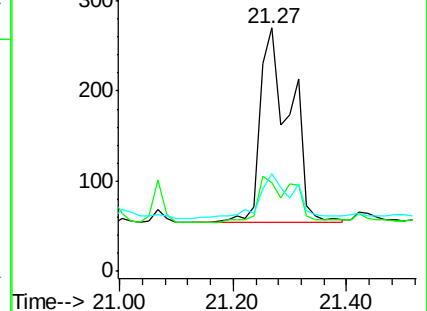
229 40.0 13.8 20.8#



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: 0.05 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.05 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

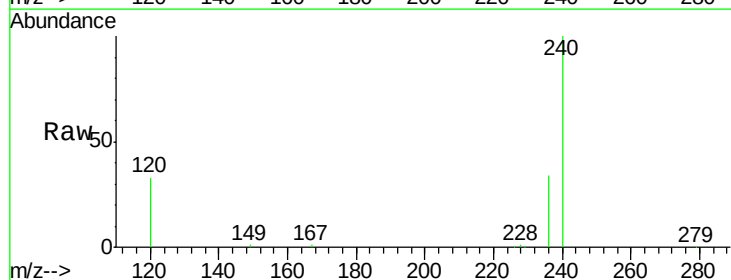
Tgt Ion:228 Resp: 780

Ion Ratio Lower Upper

228 100

226 36.7 20.6 31.0#

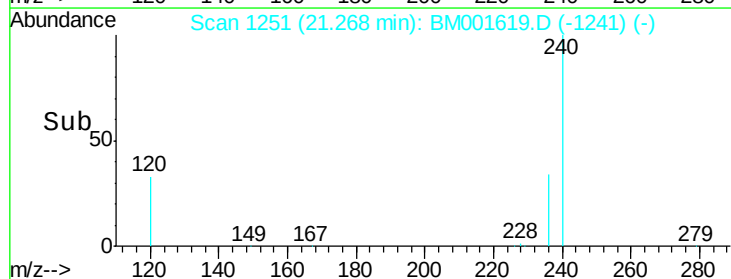
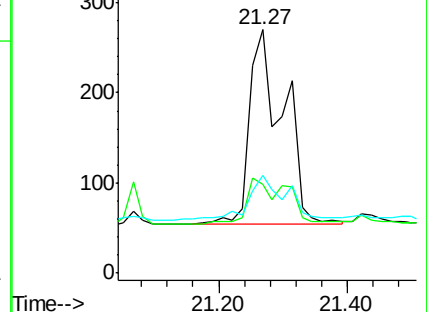
229 40.0 17.4 26.2#

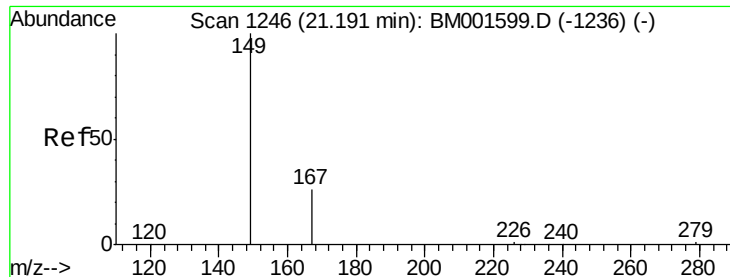


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

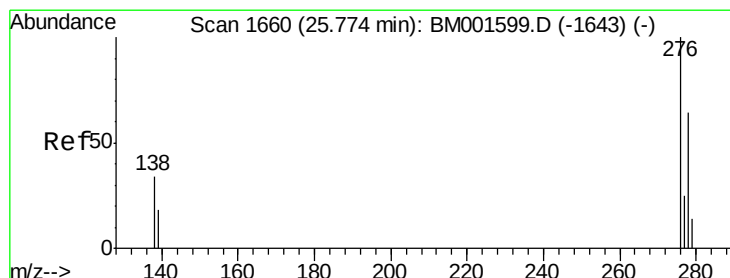
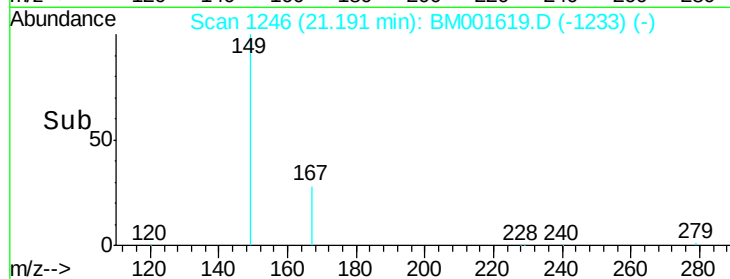
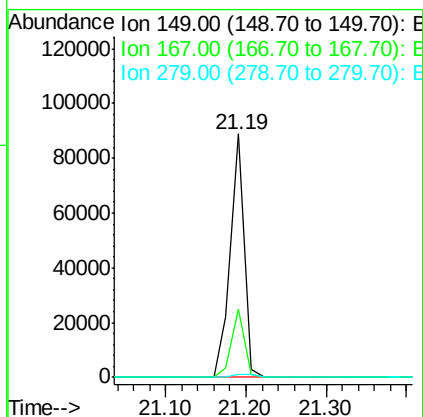
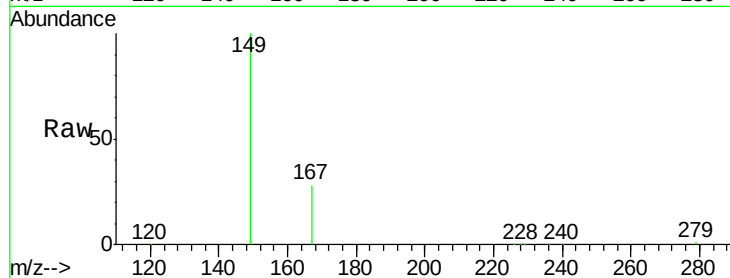




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 11.43 ng
 RT: 21.19 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

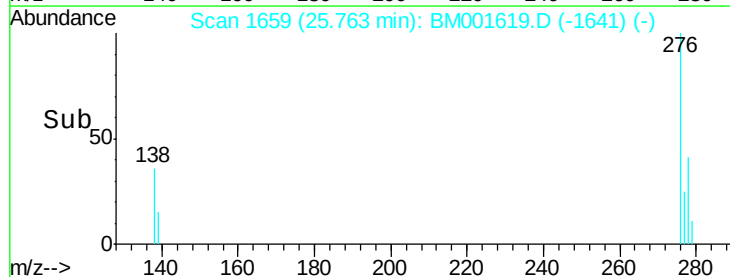
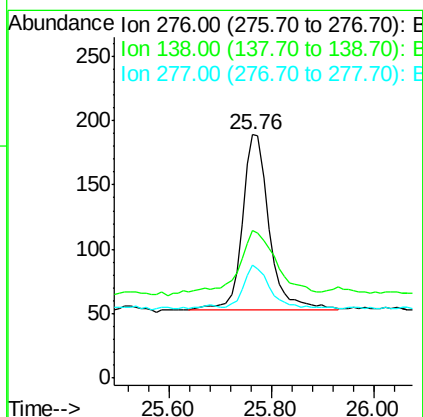
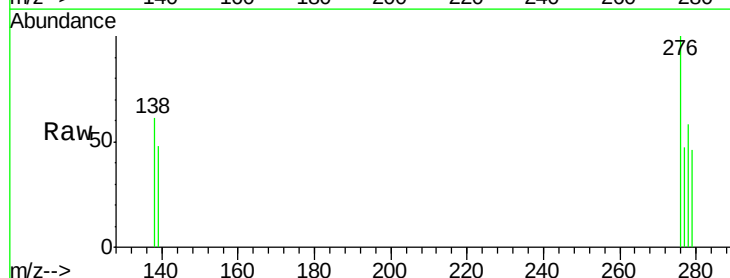
Instrument :
 BNA_M
 ClientSampleId :
 060515-P18-E-U-B

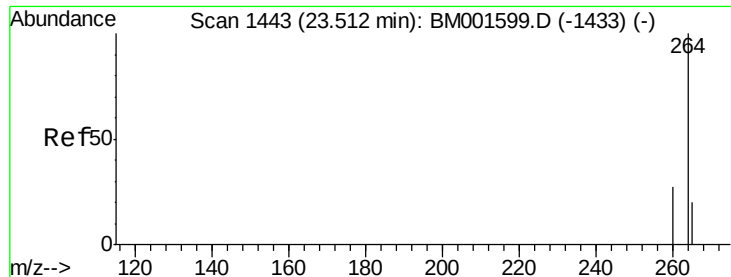
Tgt Ion:149 Resp: 105688
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.2 30.4
 279 2.0 1.7 2.5



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.76 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

Tgt Ion:276 Resp: 495
 Ion Ratio Lower Upper
 276 100
 138 55.6 28.2 42.2#
 277 23.2 19.4 29.2

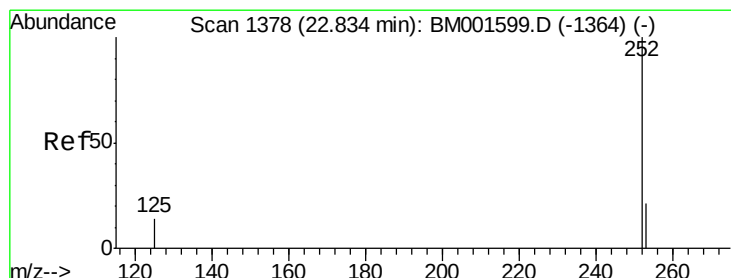
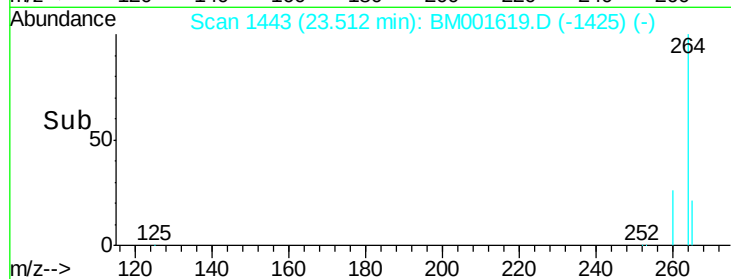
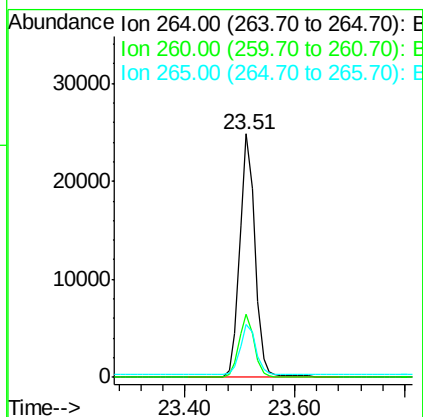
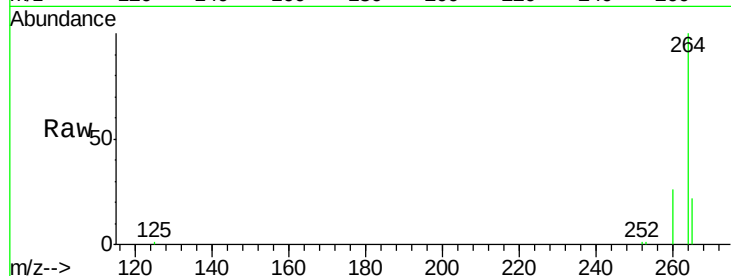




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

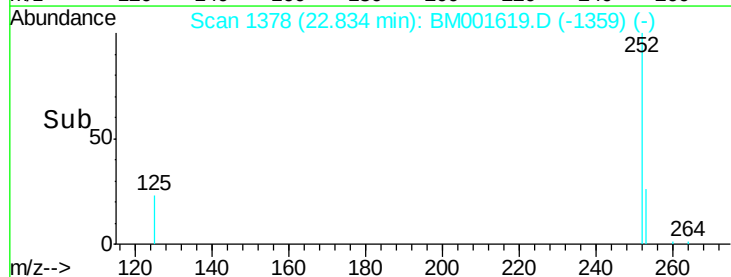
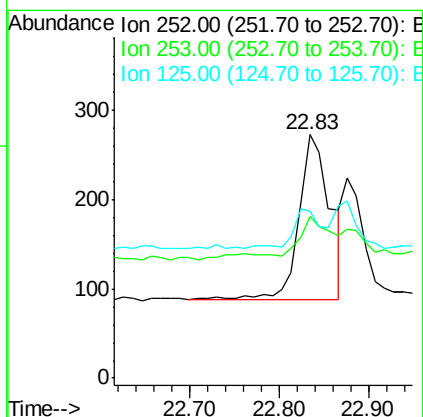
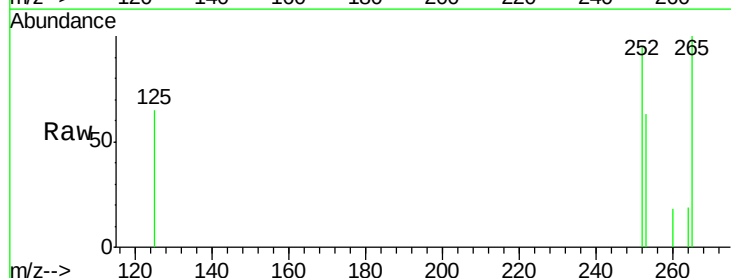
Instrument :
 BNA_M
 ClientSampleId :
 060515-P18-E-U-B

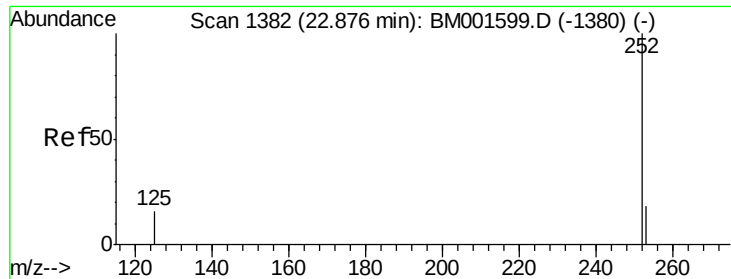
Tgt Ion: 264 Resp: 47174
 Ion Ratio Lower Upper
 264 100
 260 25.8 21.8 32.6
 265 21.7 16.8 25.2



#33
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.83 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: BM001619.D
 Acq: 09 Jun 2015 16:00

Tgt Ion: 252 Resp: 458
 Ion Ratio Lower Upper
 252 100
 253 66.3 17.6 26.4#
 125 68.5 12.4 18.6#





#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.04 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

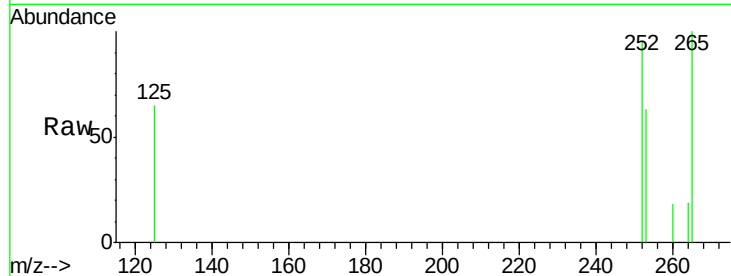
Tgt Ion: 252 Resp: 458

Ion Ratio Lower Upper

252 100

253 66.3 17.1 25.7#

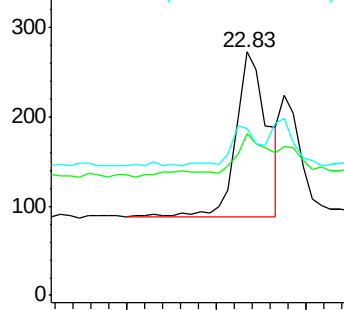
125 68.5 12.8 19.2#



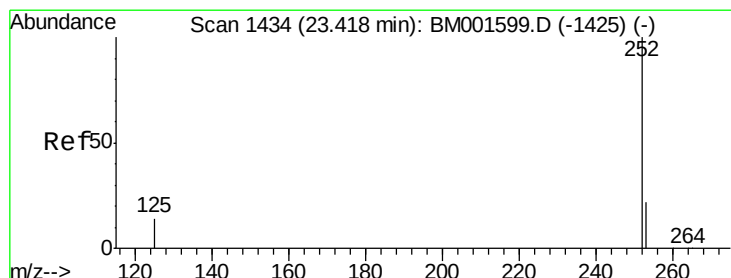
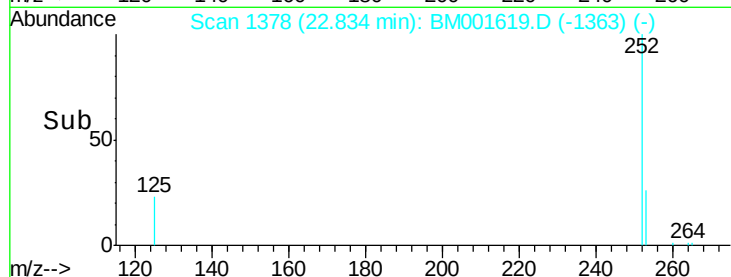
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#35

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.41 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

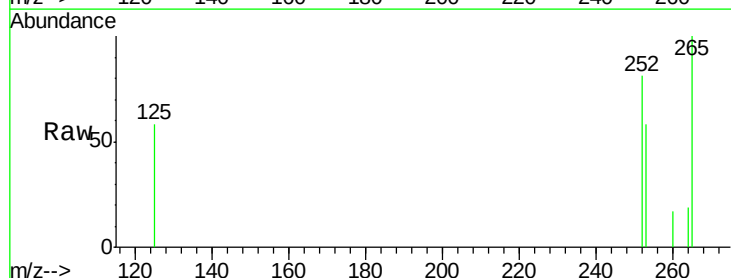
Tgt Ion: 252 Resp: 292

Ion Ratio Lower Upper

252 100

253 71.2 19.4 29.0#

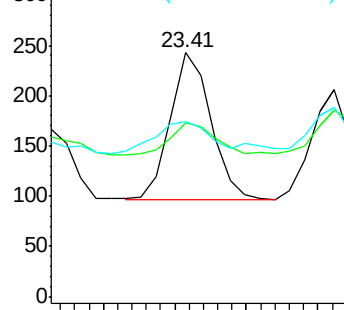
125 71.6 13.0 19.6#



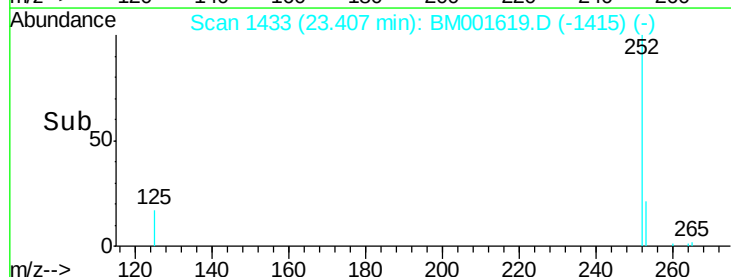
Abundance Ion 252.00 (251.70 to 252.70): E

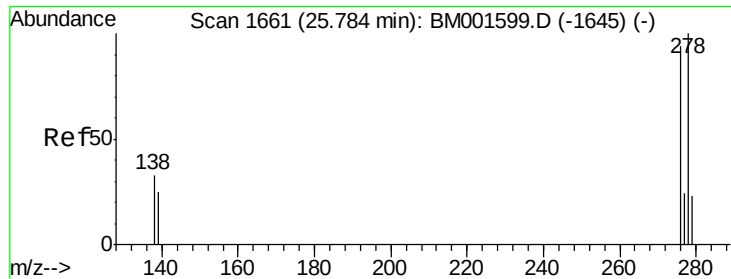
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#36

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 25.78 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-U-B

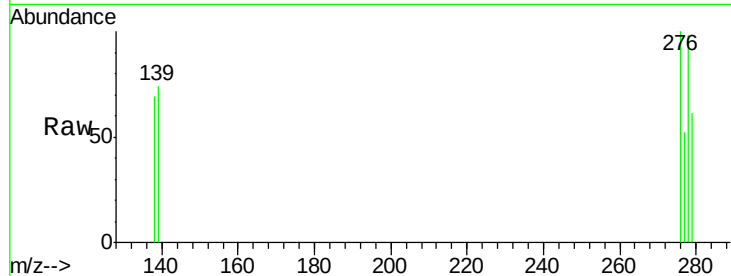
Tgt Ion: 278 Resp: 393

Ion Ratio Lower Upper

278 100

139 75.7 20.6 31.0#

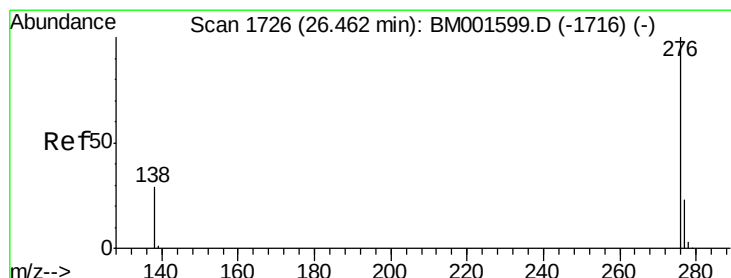
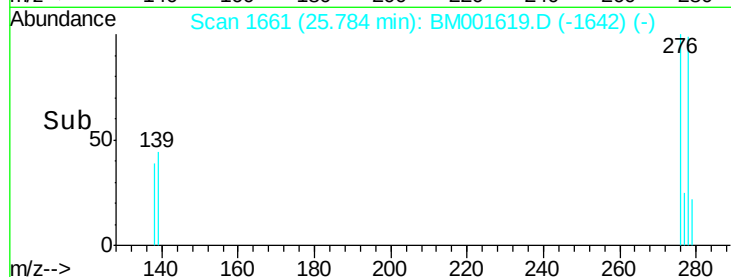
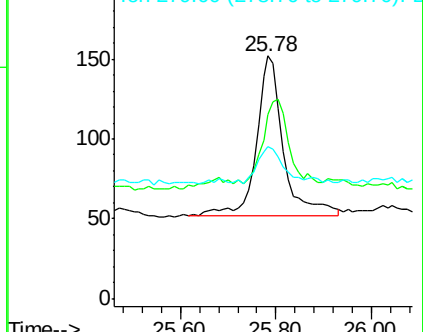
279 62.5 19.7 29.5#



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: 0.04 ng

RT: 26.46 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM001619.D

Acq: 09 Jun 2015 16:00

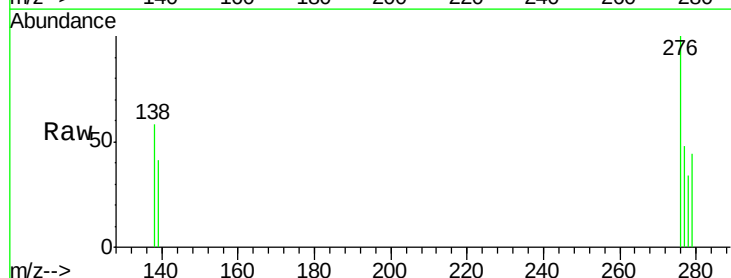
Tgt Ion: 276 Resp: 450

Ion Ratio Lower Upper

276 100

277 47.6 19.4 29.0#

138 58.2 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

