

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
 Data File : BM001617.D
 Acq On : 09 Jun 2015 14:47
 Operator : TP/IZ
 Sample : G2558-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 10 03:29:27 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	19049	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	69102	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	31778	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	39875	5.00	ng	0.00
25) Chrysene-d12	21.28	240	51559	5.00	ng	0.00
32) Perylene-d12	23.51	264	45073	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	29263	6.75	ng	0.00
5) Phenol-d6	6.84	99	24986	4.69	ng	0.00
7) Nitrobenzene-d5	8.85	82	39510	8.11	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	28181	18.32	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	106731	10.32	ng	0.00
27) Terphenyl-d14	19.72	244	112035	16.65	ng	0.00

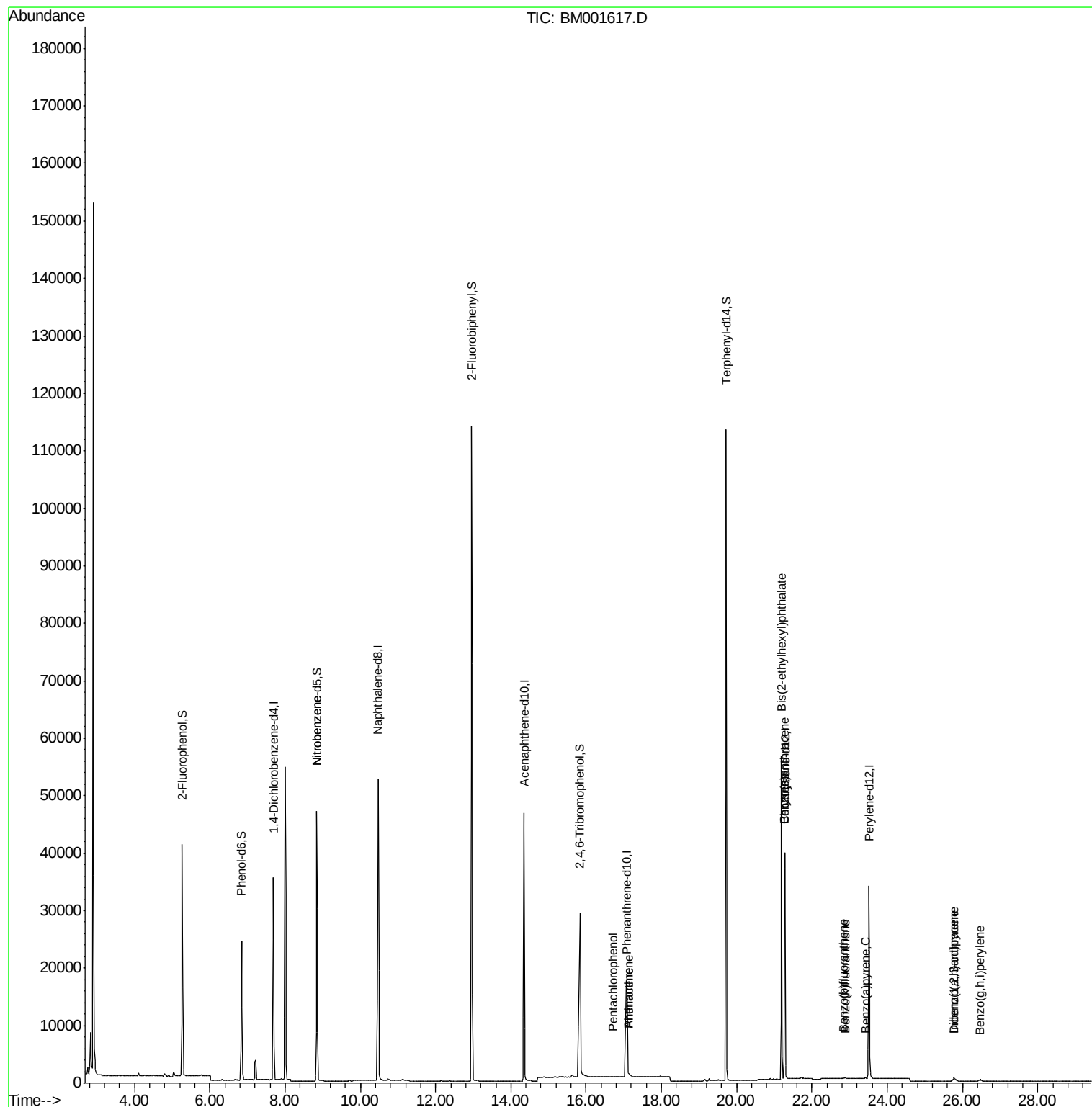
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.85	77	147	0.03	ng	# 40
21) Pentachlorophenol	16.72	266	69	0.10	ng	# 78
22) Phenanthrene	17.12	178	338	0.02	ng	# 82
23) Anthracene	17.12	178	381	0.05	ng	# 85
28) Benzo(a)anthracene	21.27	228	756	0.05	ng	# 79
29) Chrysene	21.27	228	743	0.05	ng	# 75
30) Bis(2-ethylhexyl)phthalate	21.19	149	51493	5.92	ng	99
31) Indeno(1,2,3-cd)pyrene	25.76	276	861	0.06	ng	94
33) Benzo(b)fluoranthene	22.83	252	407	0.03	ng	# 5
34) Benzo(k)fluoranthene	22.89	252	293	0.02	ng	# 1
35) Benzo(a)pyrene	23.42	252	355	0.03	ng	# 4
36) Dibenzo(a,h)anthracene	25.78	278	806	0.07	ng	# 59
37) Benzo(g,h,i)perylene	26.46	276	700	0.06	ng	# 63

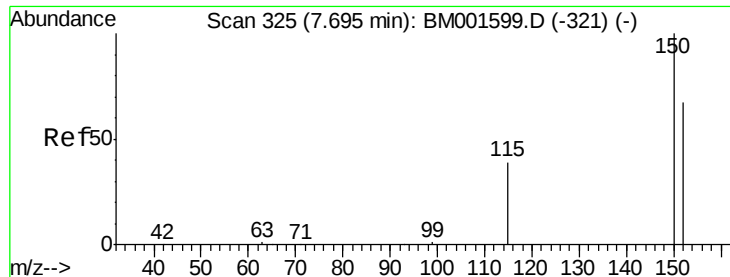
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

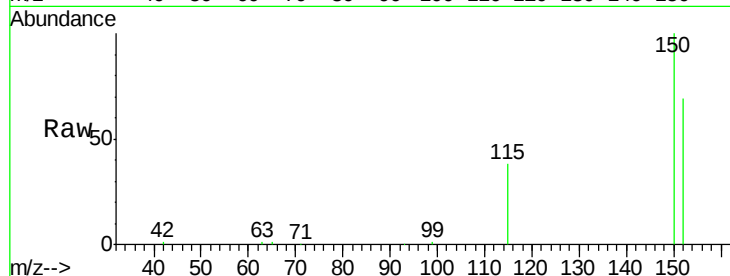
Tgt Ion:152 Resp: 19049

Ion Ratio Lower Upper

152 100

150 145.2 120.1 180.1

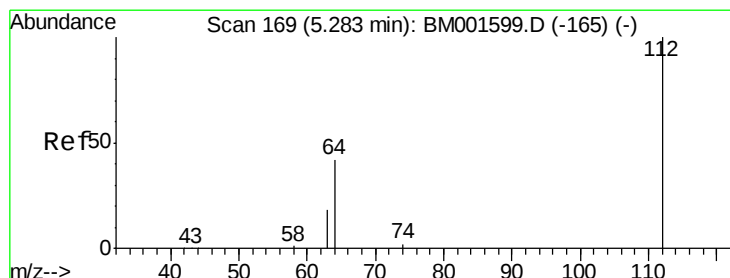
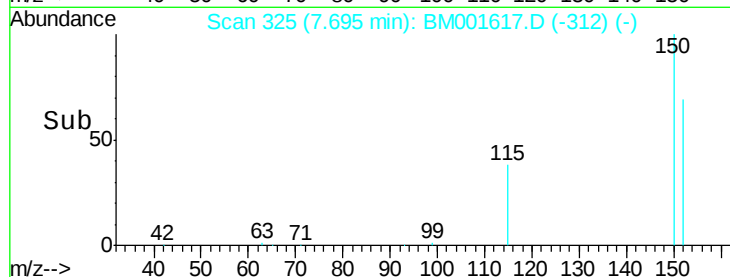
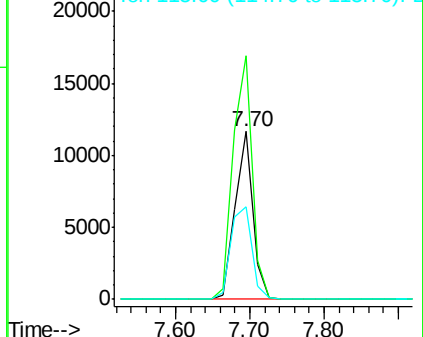
115 55.0 47.0 70.6



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



#4

2-Fluorophenol

Concen: 6.75 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

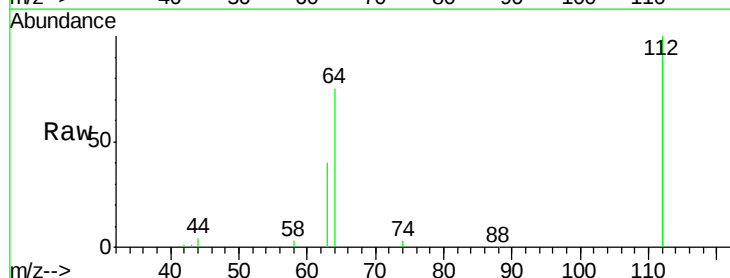
Tgt Ion:112 Resp: 29263

Ion Ratio Lower Upper

112 100

64 67.7 54.8 82.2

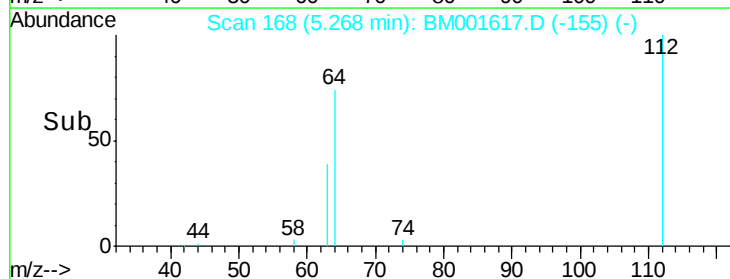
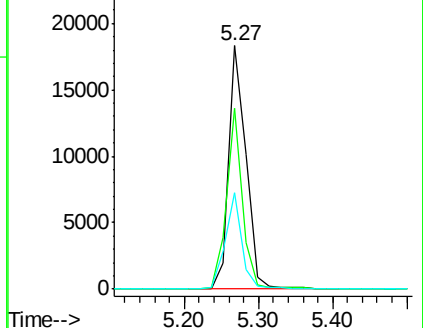
63 36.9 30.5 45.7

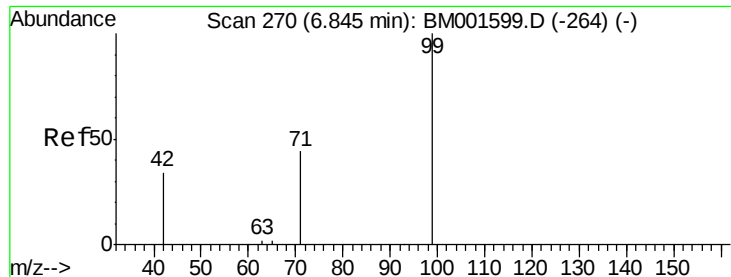


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 4.69 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

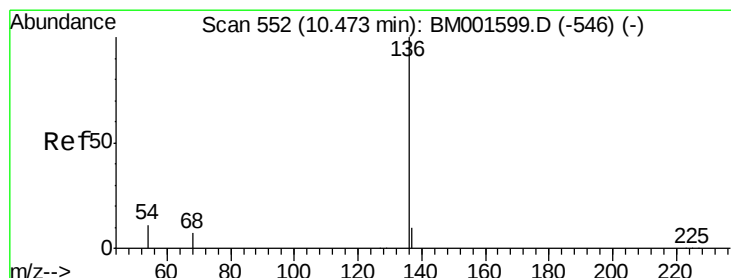
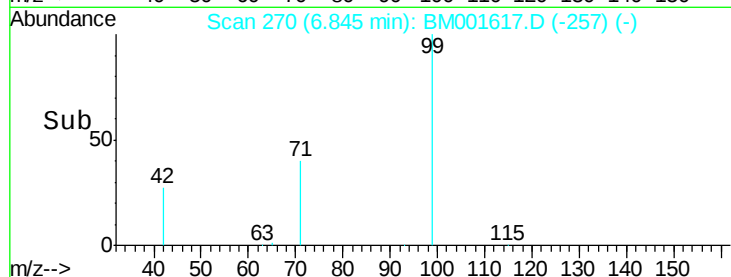
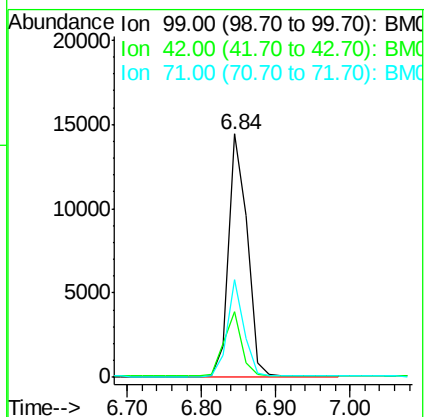
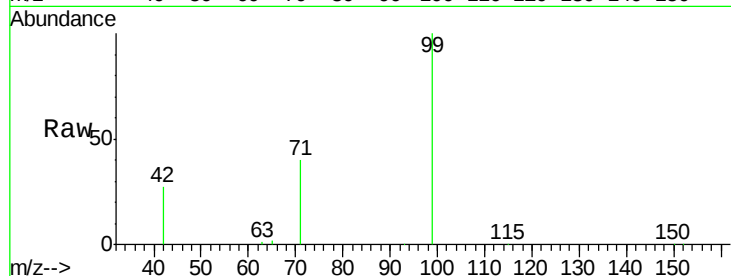
Tgt Ion: 99 Resp: 24986

Ion Ratio Lower Upper

99 100

42 24.8 21.6 32.4

71 35.6 28.7 43.1



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Tgt Ion: 136 Resp: 69102

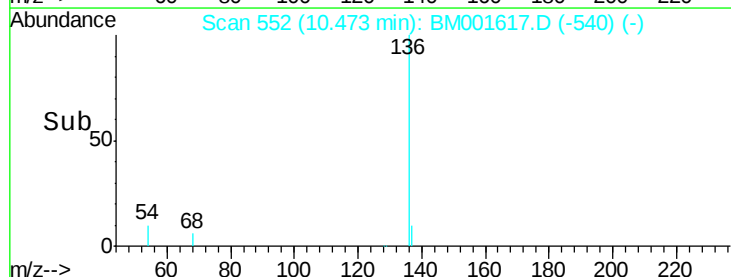
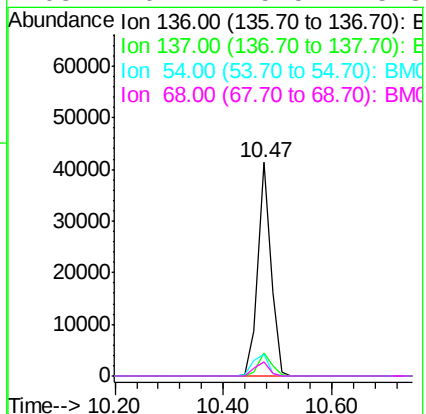
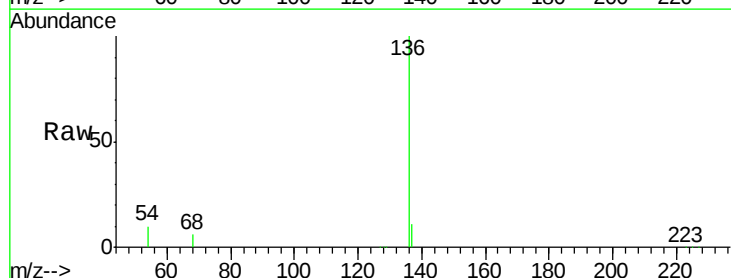
Ion Ratio Lower Upper

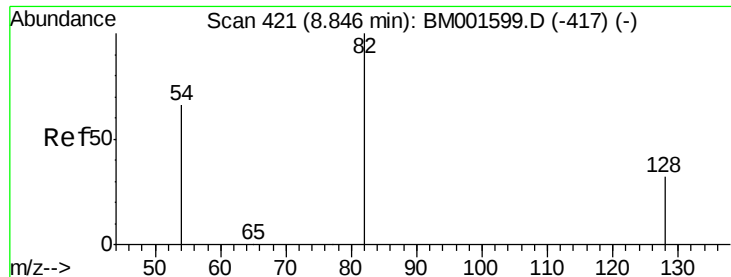
136 100

137 10.6 8.3 12.5

54 10.2 9.2 13.8

68 6.4 5.5 8.3





#7

Nitrobenzene-d5

Concen: 8.11 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

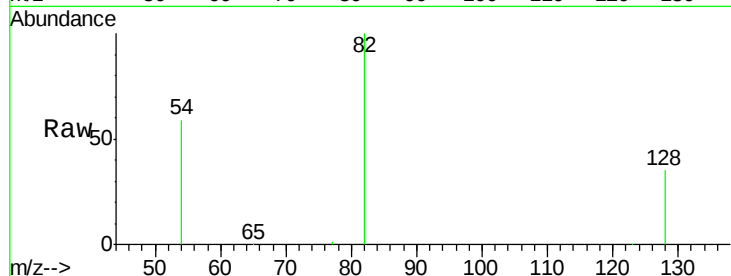
Tgt Ion: 82 Resp: 39510

Ion Ratio Lower Upper

82 100

128 35.2 26.6 40.0

54 58.8 53.0 79.6

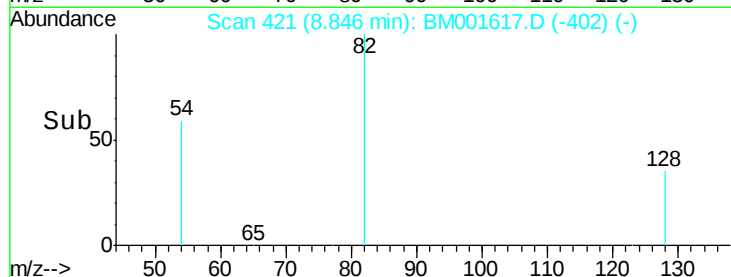


Abundance Ion 82.00 (81.70 to 82.70): BM001617.D (-402) (-)

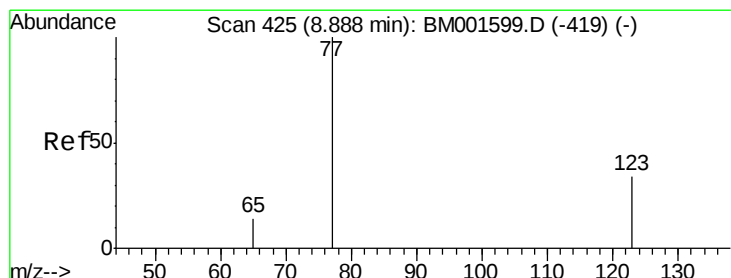
Ion 128.00 (127.70 to 128.70): BM001617.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM001617.D (-402) (-)

Time-->



Time-->



#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

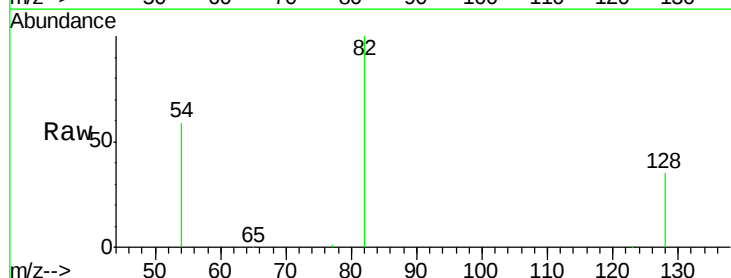
Tgt Ion: 77 Resp: 147

Ion Ratio Lower Upper

77 100

123 2.7 31.0 46.6#

65 40.1 11.4 17.0#

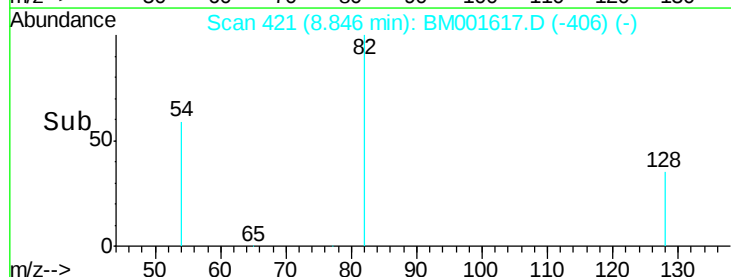


Abundance Ion 77.00 (76.70 to 77.70): BM001617.D (-406) (-)

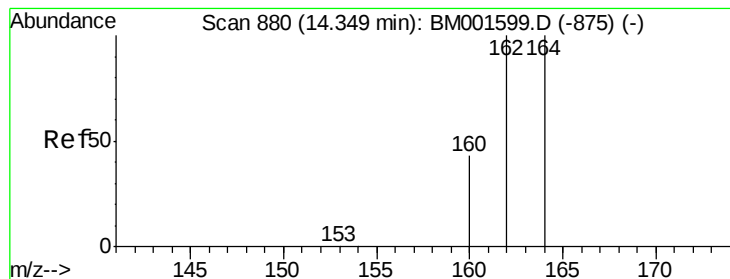
Ion 123.00 (122.70 to 123.70): BM001617.D (-406) (-)

Ion 65.00 (64.70 to 65.70): BM001617.D (-406) (-)

Time-->



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

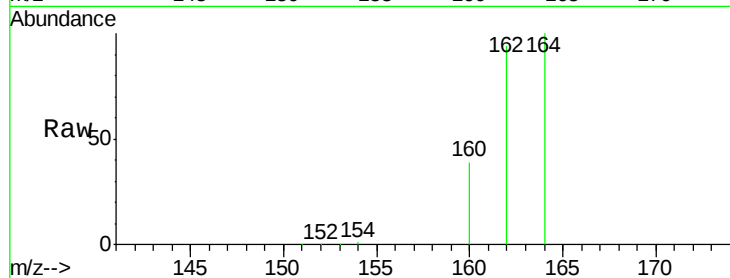
Tgt Ion:164 Resp: 31778

Ion Ratio Lower Upper

164 100

162 94.5 79.8 119.6

160 39.2 34.6 51.8



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

25000

20000

15000

10000

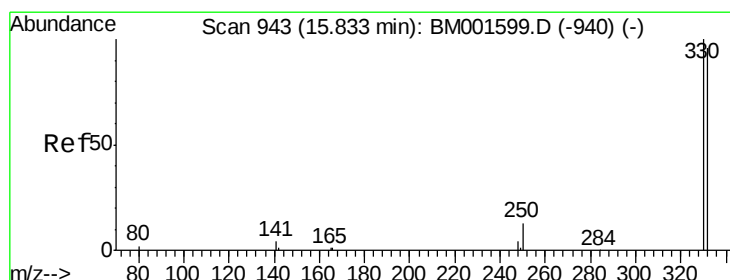
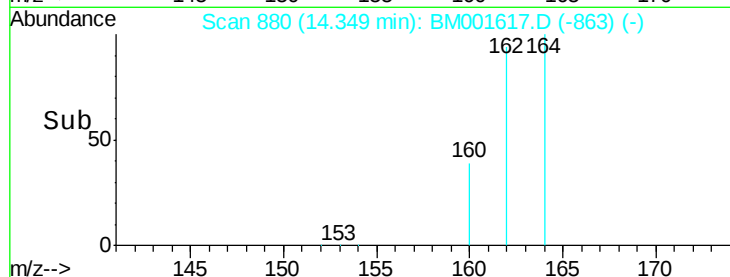
5000

0

14.35

14.20 14.40

Time-->



#13

2,4,6-Tribromophenol

Concen: 18.32 ng

RT: 15.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

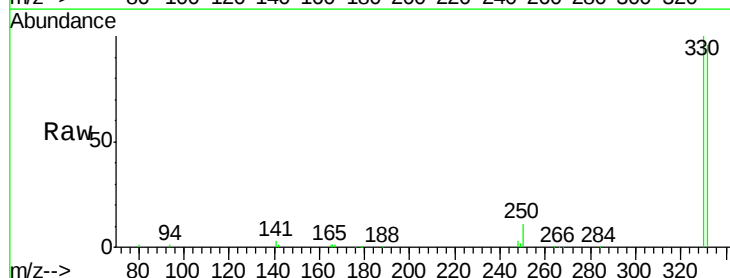
Tgt Ion:330 Resp: 28181

Ion Ratio Lower Upper

330 100

332 96.6 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

15000

10000

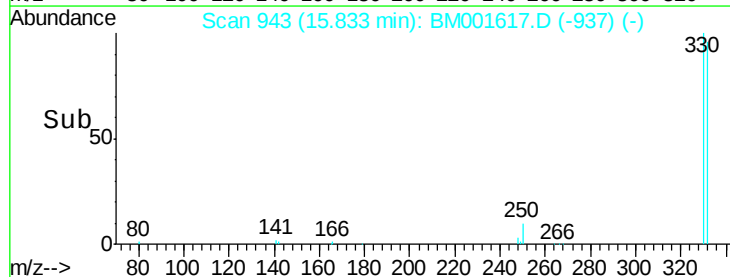
5000

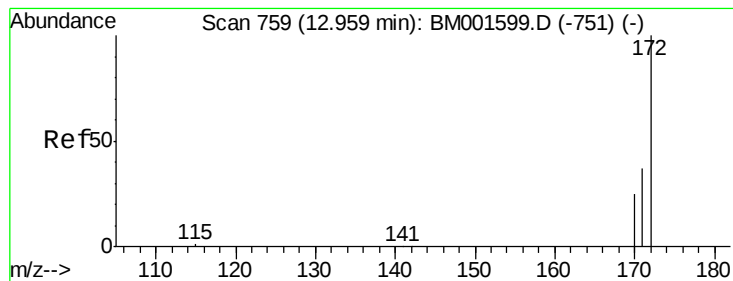
0

15.83

15.70 15.90

Time-->

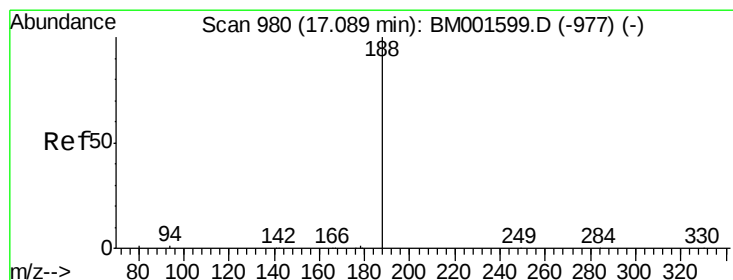
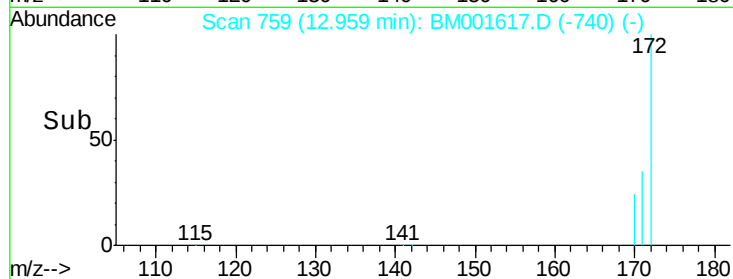
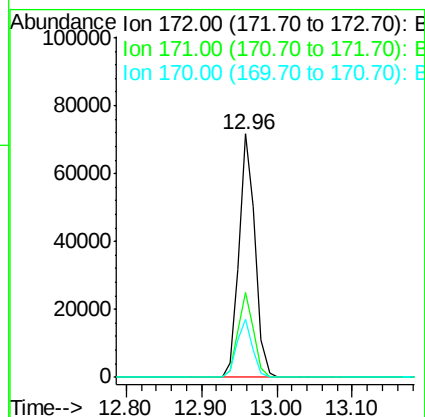
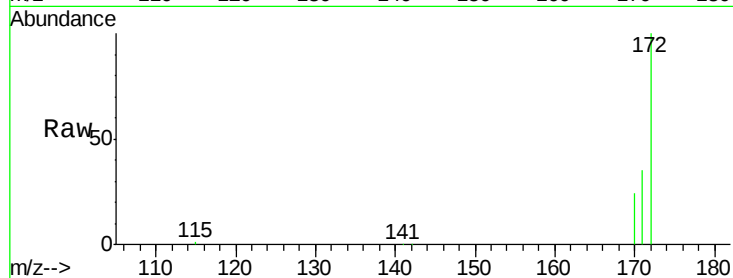




#14
2-Fluorobiphenyl
Concen: 10.32 ng
RT: 12.96 min Scan# 759
Delta R.T. 0.00 min
Lab File: BM001617.D
Acq: 09 Jun 2015 14:47

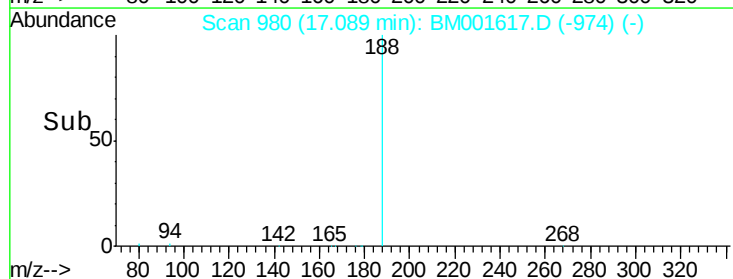
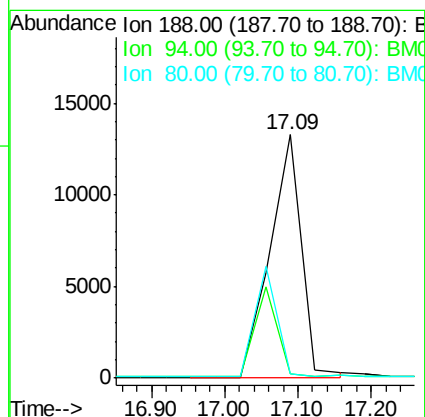
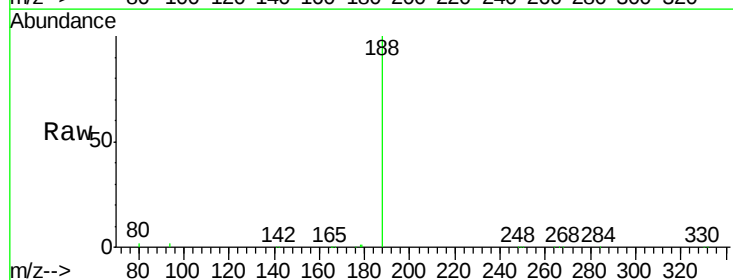
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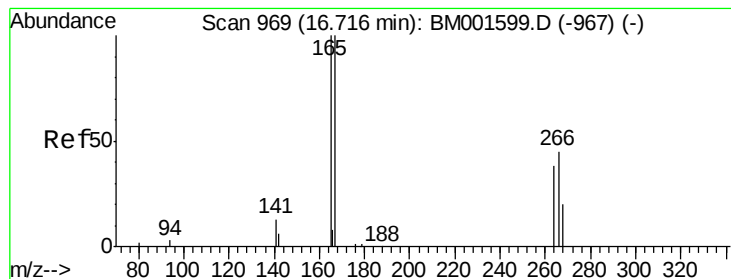
Tgt Ion:172 Resp: 106731
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 23.7 20.6 31.0



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001617.D
Acq: 09 Jun 2015 14:47

Tgt Ion:188 Resp: 39875
Ion Ratio Lower Upper
188 100
94 1.5 1.0 1.6
80 1.6 1.0 1.4#





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

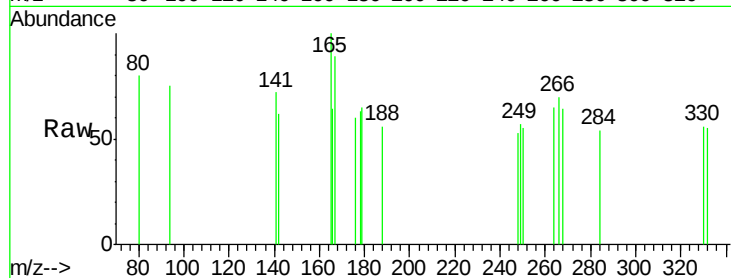
Tgt Ion:266 Resp: 69

Ion Ratio Lower Upper

266 100

268 91.9 45.8 68.8#

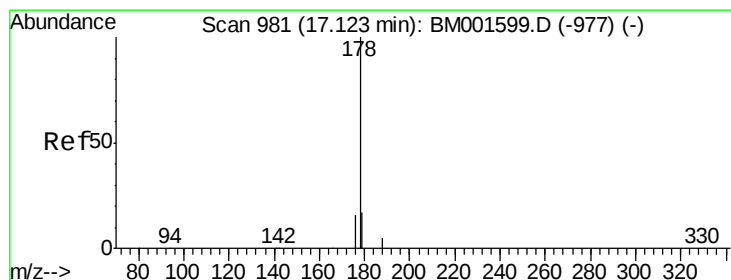
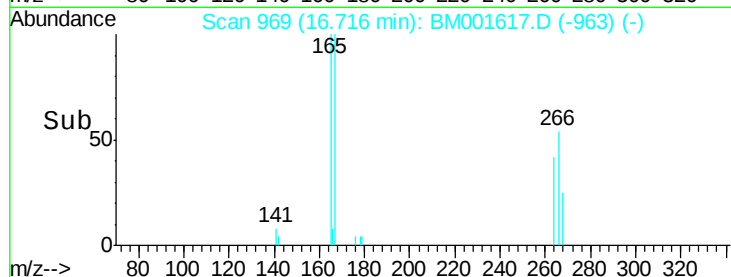
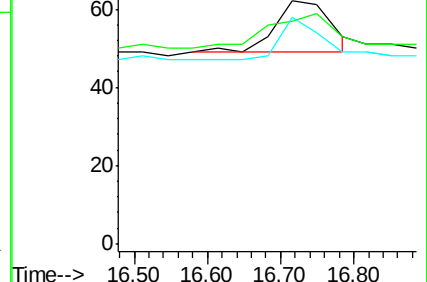
264 93.5 70.6 106.0



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: 0.02 ng

RT: 17.12 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

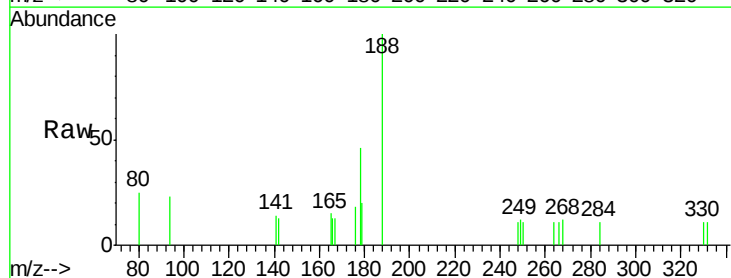
Tgt Ion:178 Resp: 338

Ion Ratio Lower Upper

178 100

176 17.5 13.2 19.8

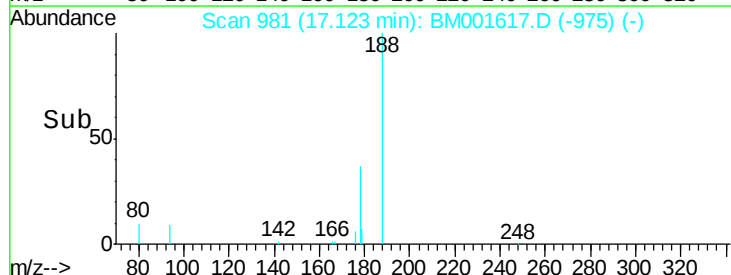
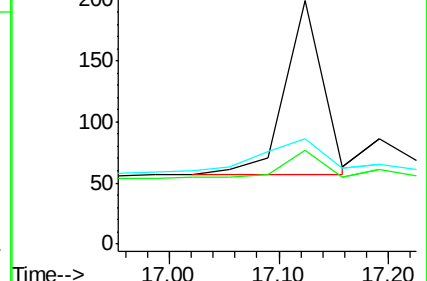
179 31.4 13.8 20.8#

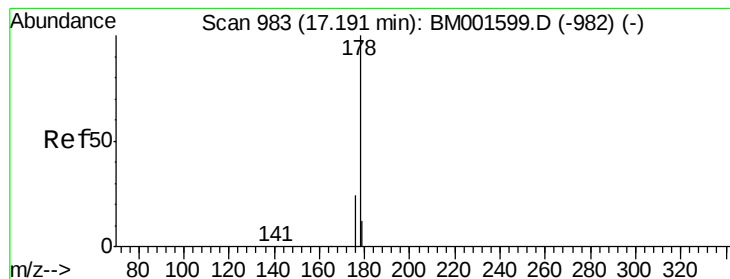


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.05 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

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ClientSampleId :

060515-P18-E-D-B

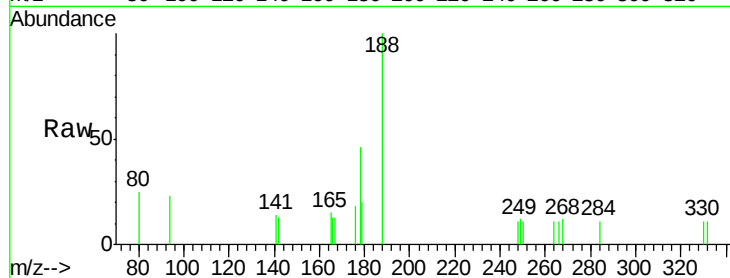
Tgt Ion:178 Resp: 381

Ion Ratio Lower Upper

178 100

176 16.5 21.9 32.9#

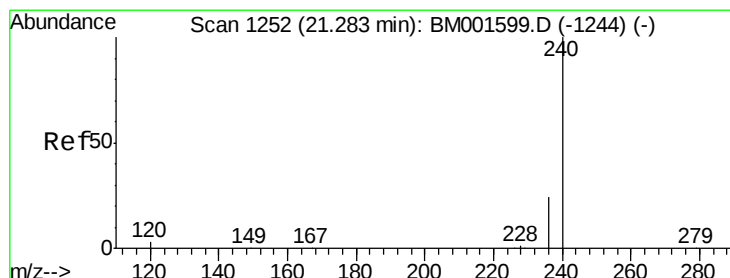
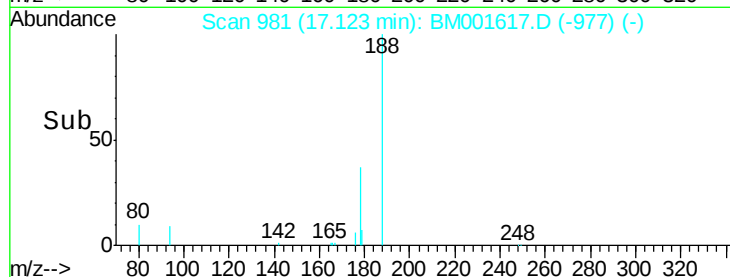
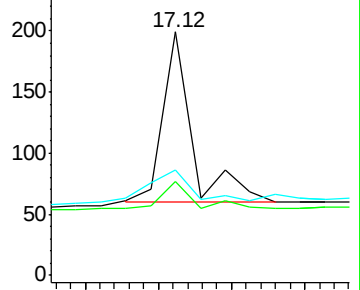
179 24.1 23.0 34.4



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

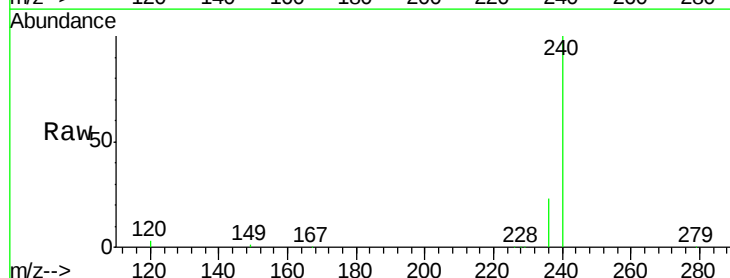
Tgt Ion:240 Resp: 51559

Ion Ratio Lower Upper

240 100

120 2.8 2.2 3.4

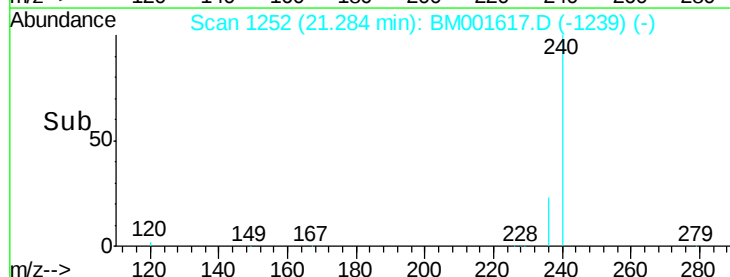
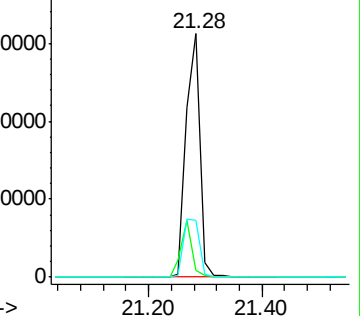
236 23.5 19.6 29.4

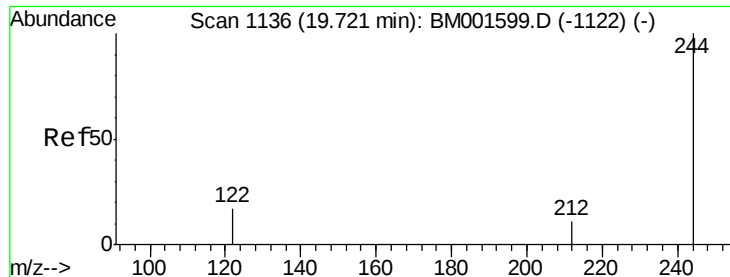


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 16.65 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

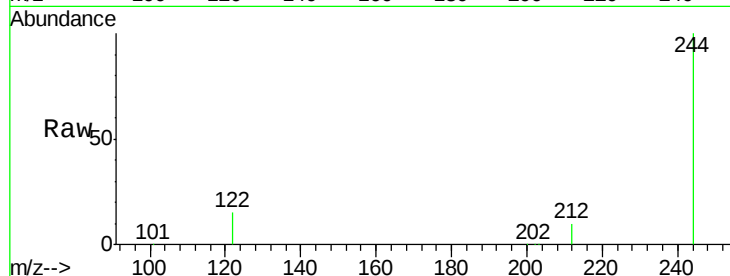
Tgt Ion:244 Resp: 112035

Ion Ratio Lower Upper

244 100

212 10.4 9.2 13.8

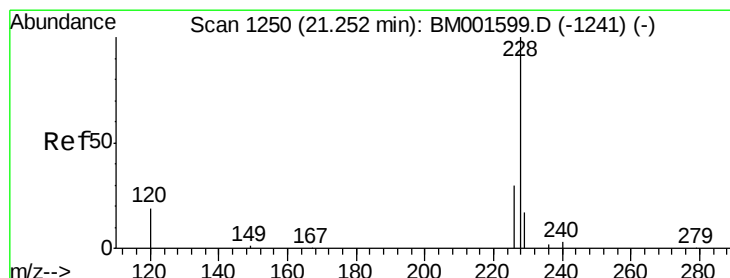
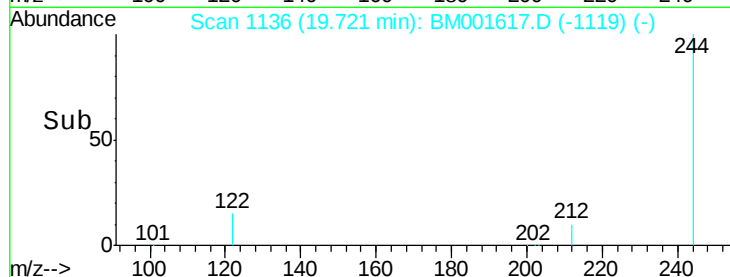
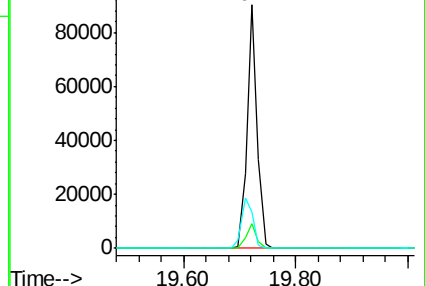
122 14.7 14.5 21.7



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: 0.05 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

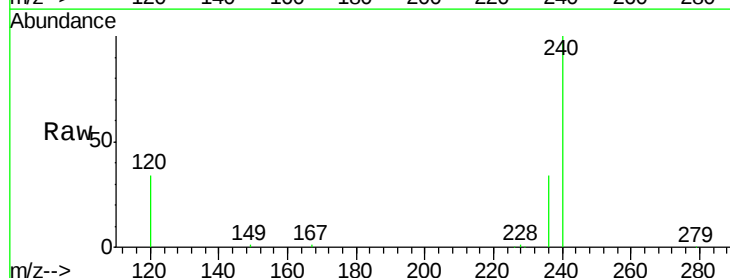
Tgt Ion:228 Resp: 756

Ion Ratio Lower Upper

228 100

226 33.0 24.6 37.0

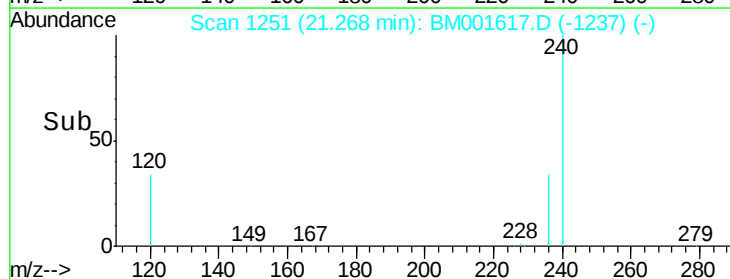
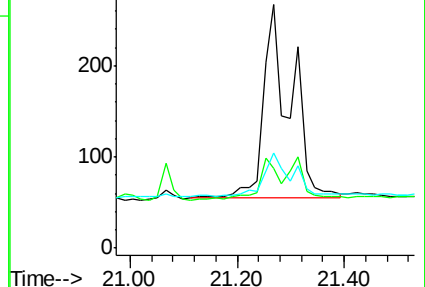
229 39.3 13.8 20.8#

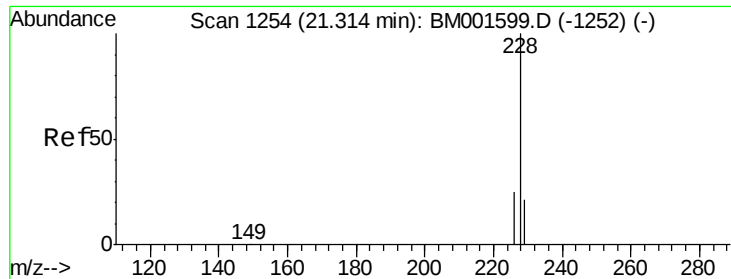


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

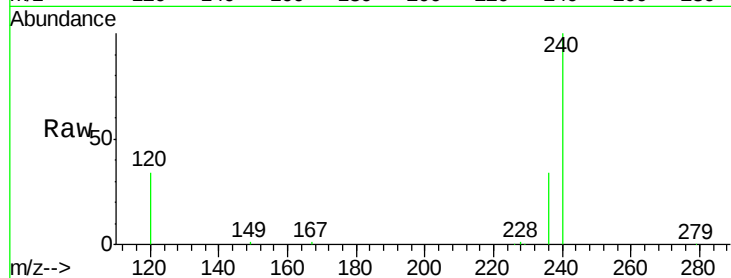
Tgt Ion:228 Resp: 743

Ion Ratio Lower Upper

228 100

226 33.0 20.6 31.0#

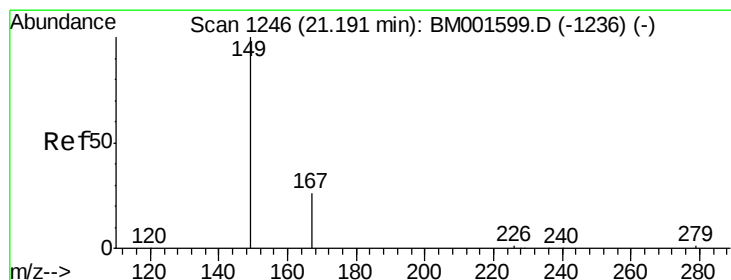
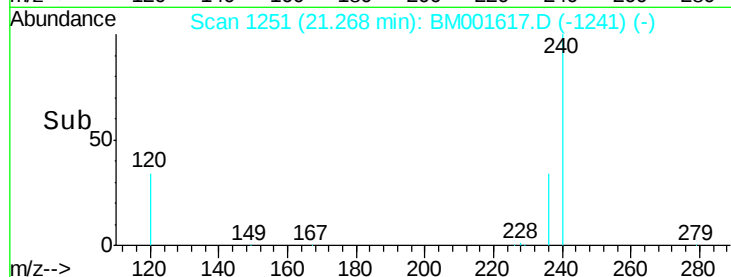
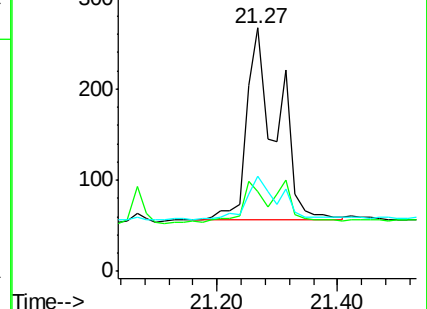
229 39.3 17.4 26.2#



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: 5.92 ng

RT: 21.19 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

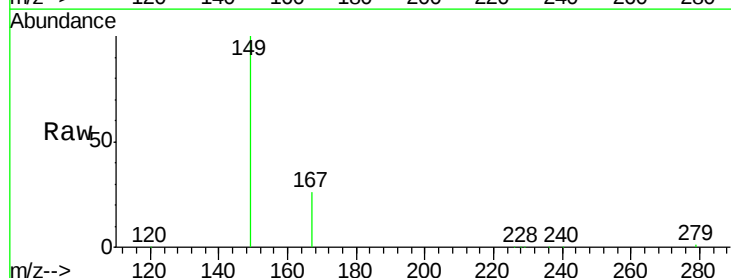
Tgt Ion:149 Resp: 51493

Ion Ratio Lower Upper

149 100

167 24.9 20.2 30.4

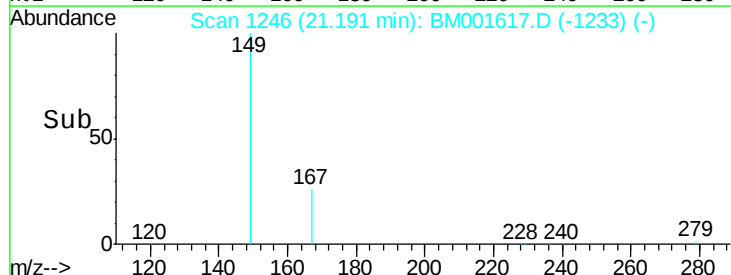
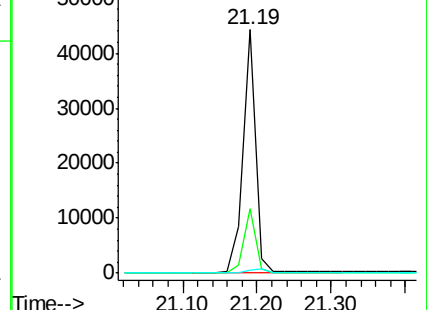
279 1.9 1.7 2.5

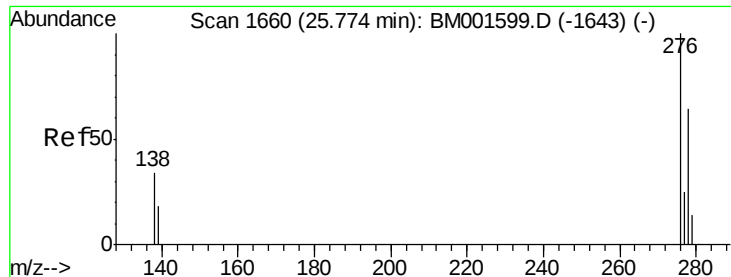


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.06 ng

RT: 25.76 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

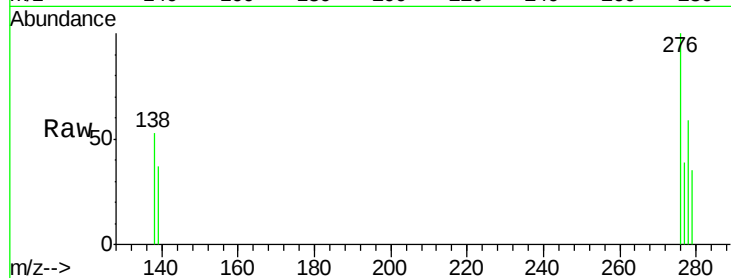
Tgt Ion:276 Resp: 861

Ion Ratio Lower Upper

276 100

138 39.3 28.2 42.2

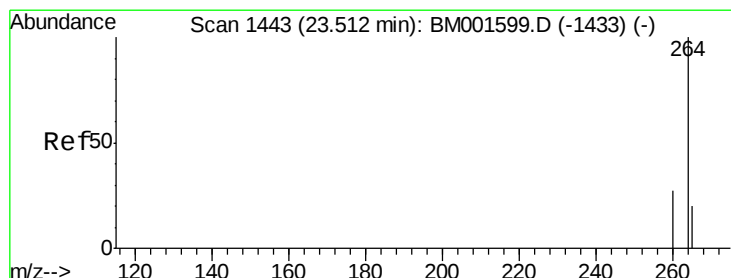
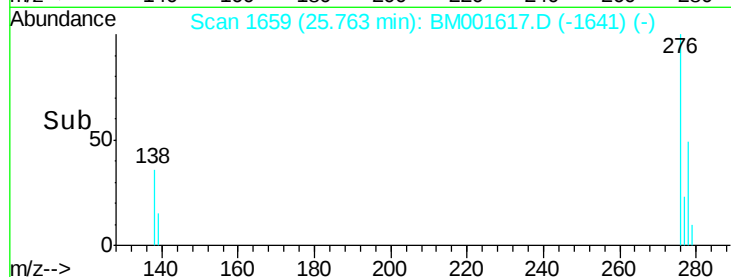
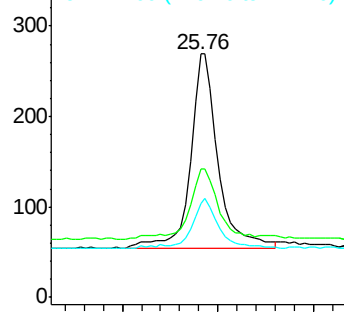
277 26.0 19.4 29.2



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. -0.01 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

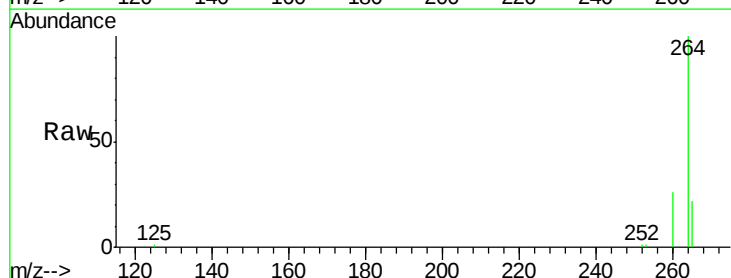
Tgt Ion:264 Resp: 45073

Ion Ratio Lower Upper

264 100

260 26.4 21.8 32.6

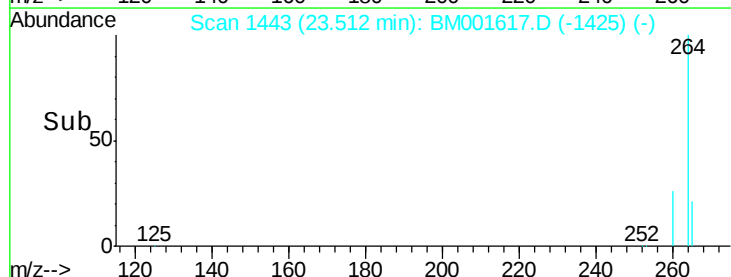
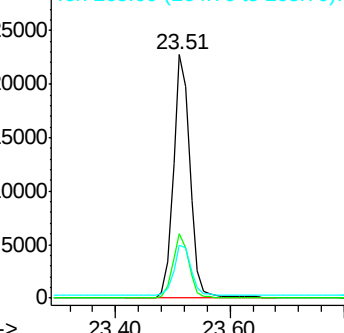
265 21.8 16.8 25.2

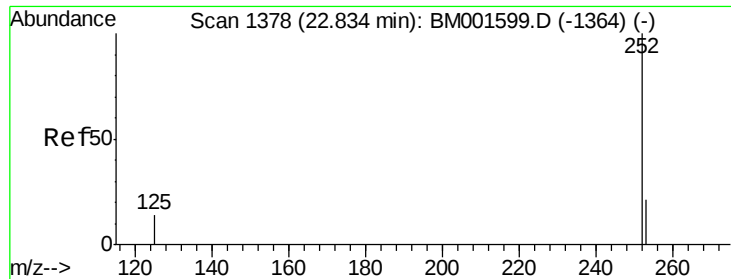


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.83 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

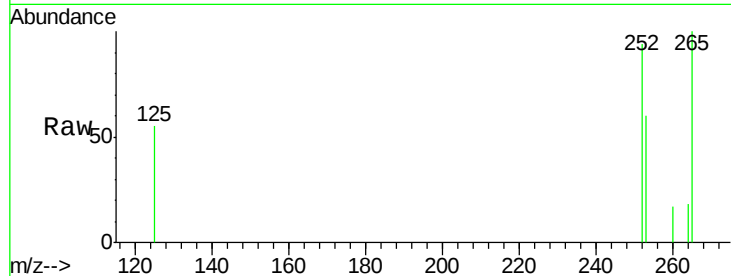
Tgt Ion:252 Resp: 407

Ion Ratio Lower Upper

252 100

253 64.4 17.6 26.4#

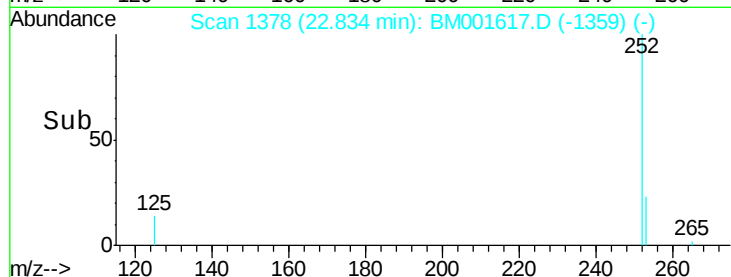
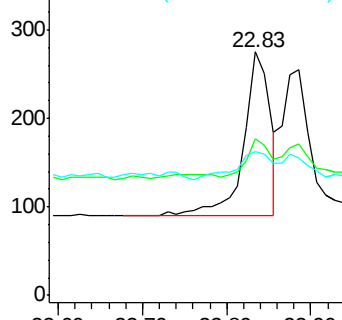
125 59.3 12.4 18.6#



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: 0.02 ng

RT: 22.89 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

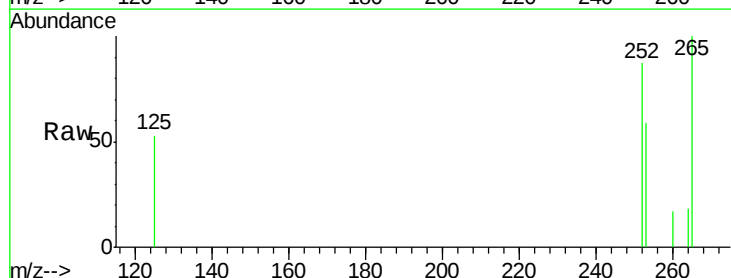
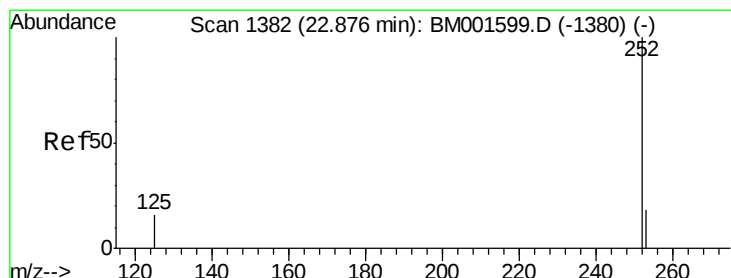
Tgt Ion:252 Resp: 293

Ion Ratio Lower Upper

252 100

253 67.1 17.1 25.7#

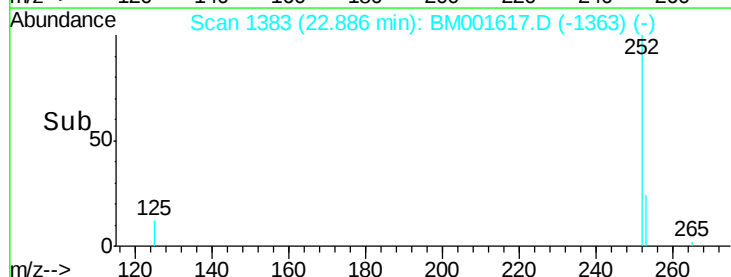
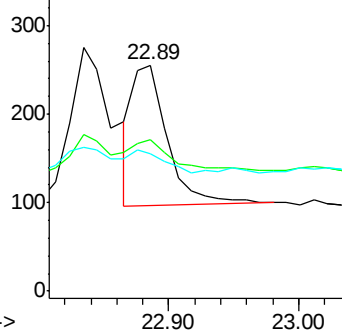
125 61.2 12.8 19.2#

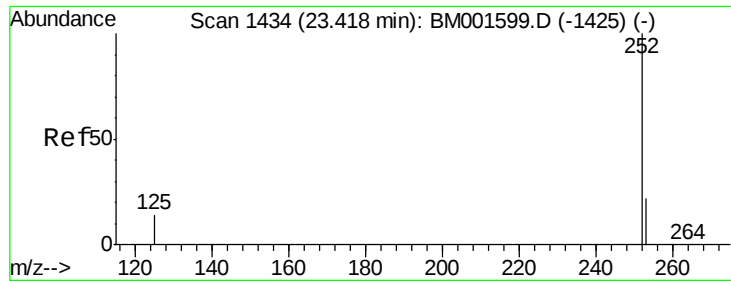


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B

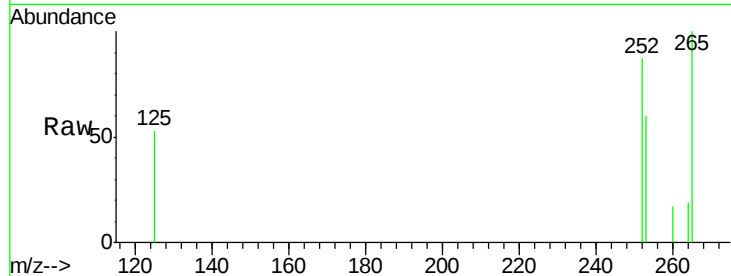
Tgt Ion: 252 Resp: 355

Ion Ratio Lower Upper

252 100

253 69.0 19.4 29.0#

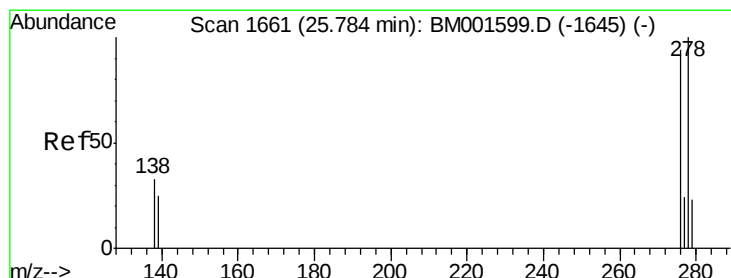
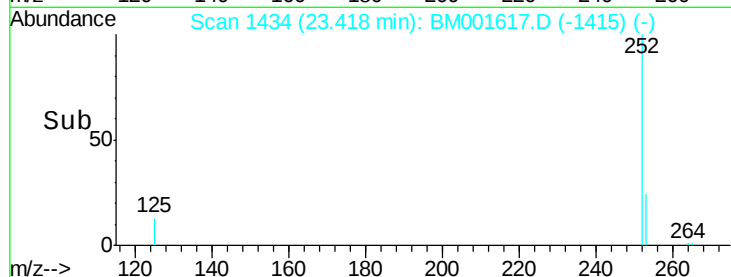
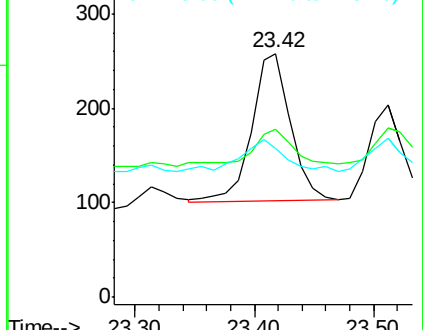
125 60.9 13.0 19.6#



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: 0.07 ng

RT: 25.78 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BM001617.D

Acq: 09 Jun 2015 14:47

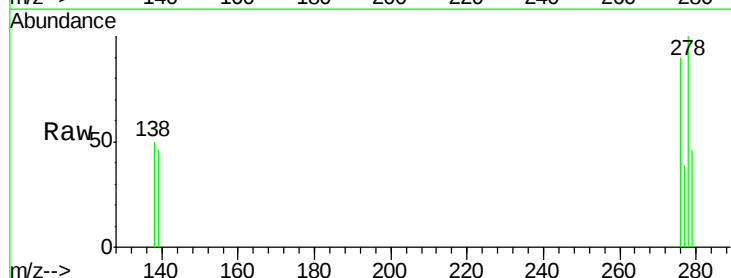
Tgt Ion: 278 Resp: 806

Ion Ratio Lower Upper

278 100

139 45.5 20.6 31.0#

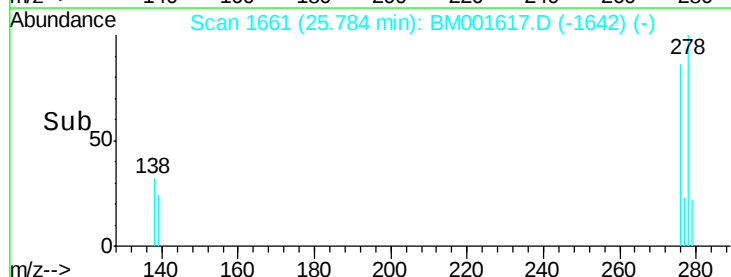
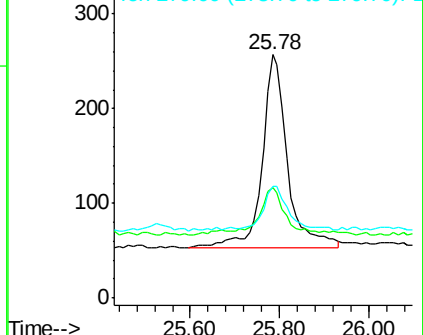
279 45.9 19.7 29.5#

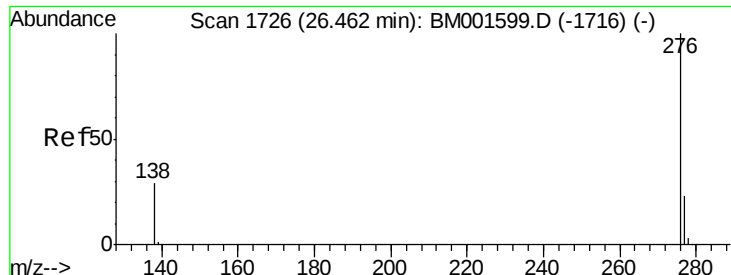


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.06 ng

RT: 26.46 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM001617.D

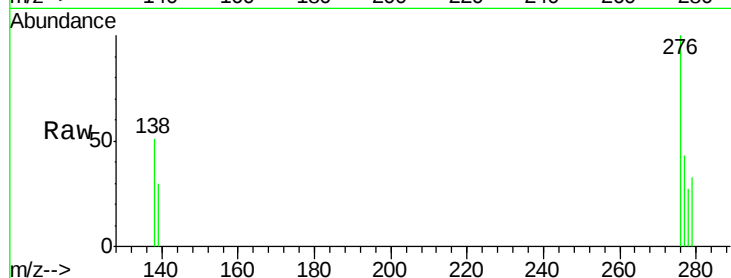
Acq: 09 Jun 2015 14:47

Instrument :

BNA_M

ClientSampleId :

060515-P18-E-D-B



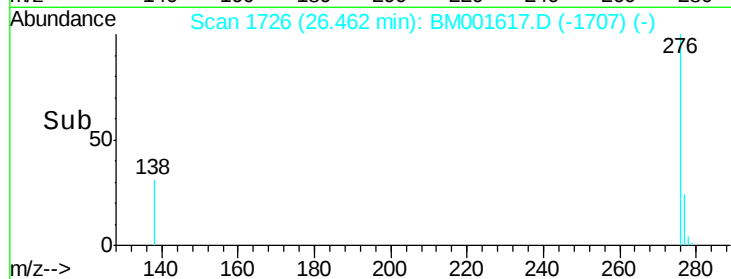
Tgt Ion: 276 Resp: 700

Ion Ratio Lower Upper

276 100

277 42.6 19.4 29.0#

138 51.1 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

26.46

200

150

100

50

0

Time-->

26.20

26.40

26.60