

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061915\
 Data File : BM001757.D
 Acq On : 19 Jun 2015 12:08
 Operator : TP/IZ
 Sample : G2685-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 061715-P22-E-D-S

Quant Time: Jun 19 12:51:08 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	18821	5.00	ng	0.00
6) Naphthalene-d8	10.44	136	70308	5.00	ng	-0.02
12) Acenaphthene-d10	14.32	164	33959	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	72640	5.00	ng	0.00
25) Chrysene-d12	21.25	240	46701	5.00	ng	0.00
32) Perylene-d12	23.47	264	40784	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	18155	4.13	ng	0.00
5) Phenol-d6	6.83	99	14487	2.56	ng	0.00
7) Nitrobenzene-d5	8.83	82	39373	7.18	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	15265	14.39	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	89608	7.38	ng	0.00
27) Terphenyl-d14	19.70	244	59541	8.65	ng	0.00

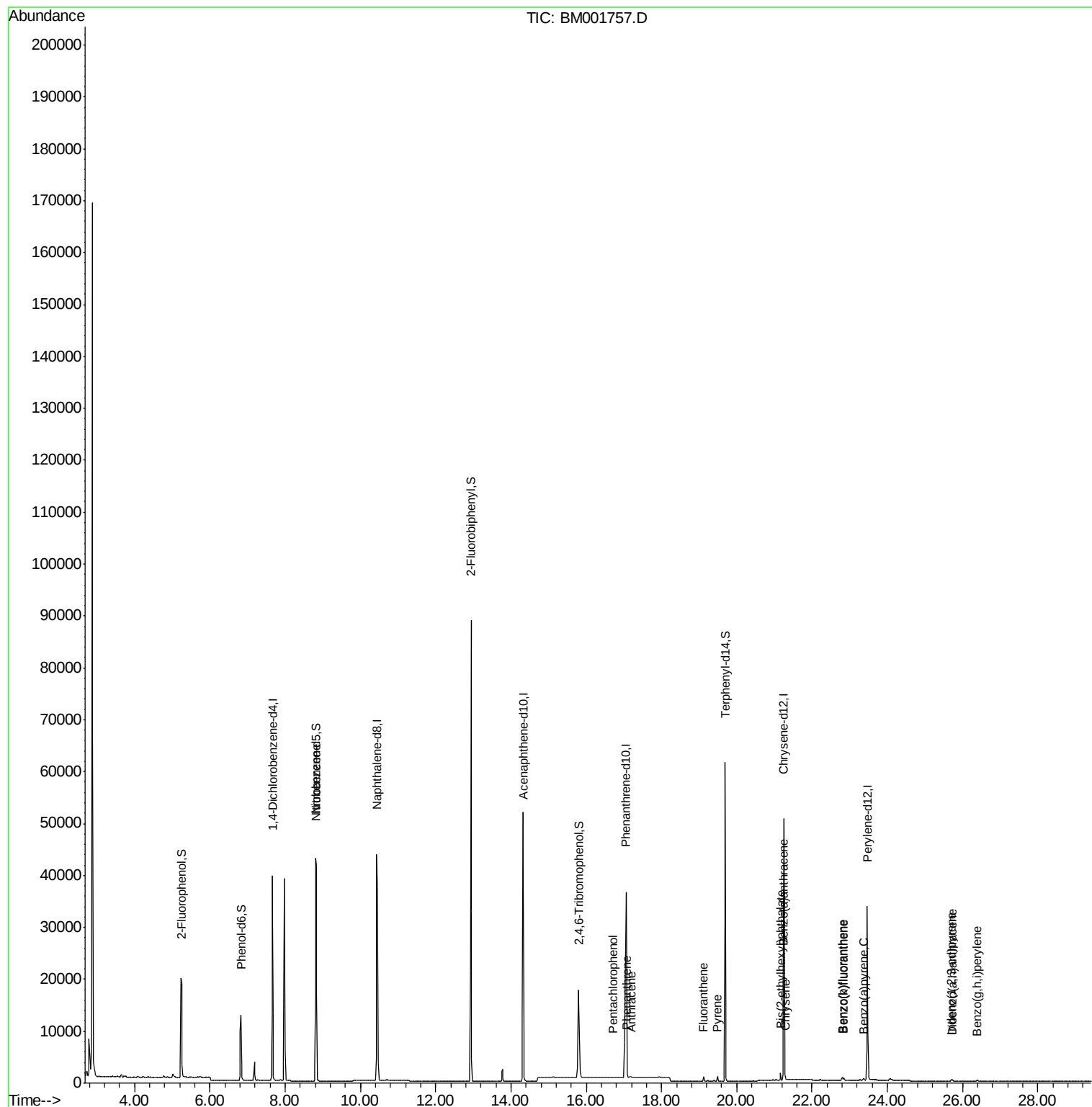
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.81	77	139	0.02	ng	# 30
21) Pentachlorophenol	16.72	266	45	0.05	ng	# 75
22) Phenanthrene	17.09	178	872	0.04	ng	# 90
23) Anthracene	17.19	178	212	0.02	ng	# 94
24) Fluoranthene	19.12	202	901	0.06	ng	# 95
26) Pyrene	19.49	202	903	0.06	ng	# 98
28) Benzo(a)anthracene	21.24	228	936	0.07	ng	# 84
29) Chrysene	21.28	228	584	0.04	ng	# 88
30) Bis(2-ethylhexyl)phthalate	21.16	149	1237	0.15	ng	# 100
31) Indeno(1,2,3-cd)pyrene	25.70	276	484	0.03	ng	# 97
33) Benzo(b)fluoranthene	22.80	252	705	0.05	ng	# 52
34) Benzo(k)fluoranthene	22.84	252	480	0.04	ng	# 40
35) Benzo(a)pyrene	23.37	252	433	0.04	ng	# 28
36) Dibenzo(a,h)anthracene	25.72	278	319	0.03	ng	# 26
37) Benzo(g,h,i)perylene	26.39	276	416	0.04	ng	# 61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

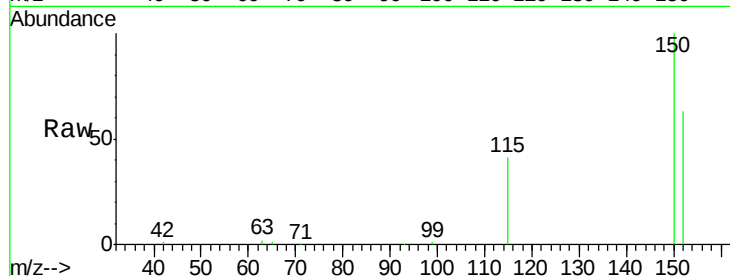
Tgt Ion:152 Resp: 18821

Ion Ratio Lower Upper

152 100

150 159.2 127.5 191.3

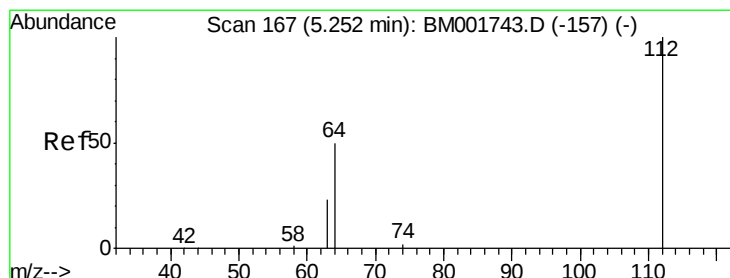
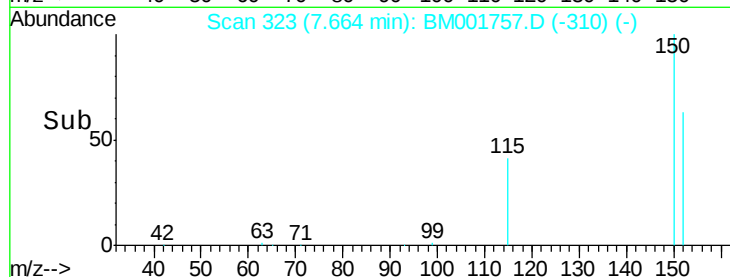
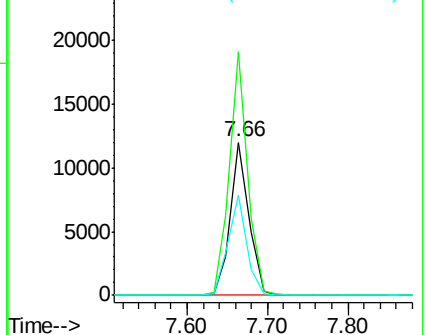
115 65.6 53.2 79.8



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: 4.13 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

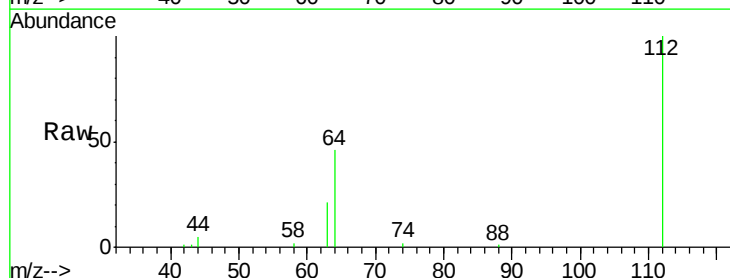
Tgt Ion:112 Resp: 18155

Ion Ratio Lower Upper

112 100

64 69.7 55.6 83.4

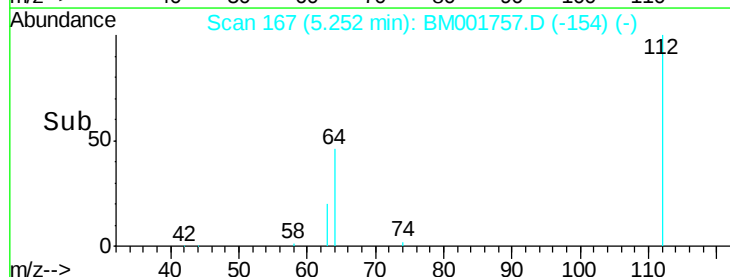
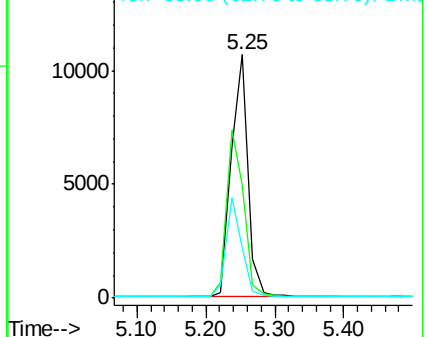
63 38.1 30.2 45.2

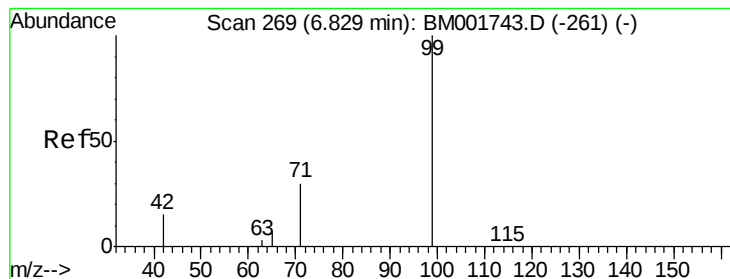


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 2.56 ng

RT: 6.83 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

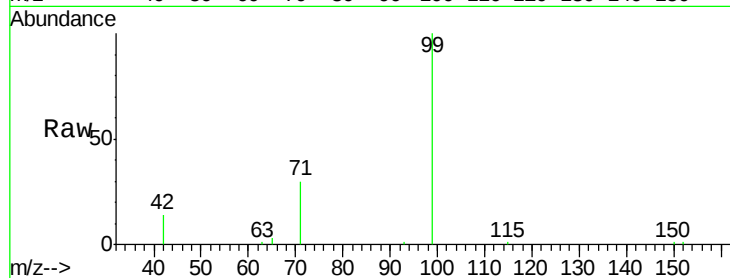
Tgt Ion: 99 Resp: 14487

Ion Ratio Lower Upper

99 100

42 25.6 21.4 32.0

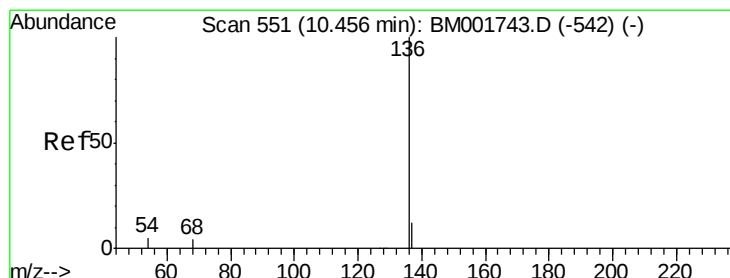
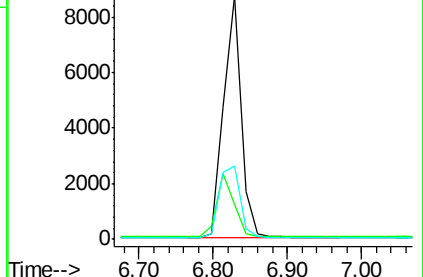
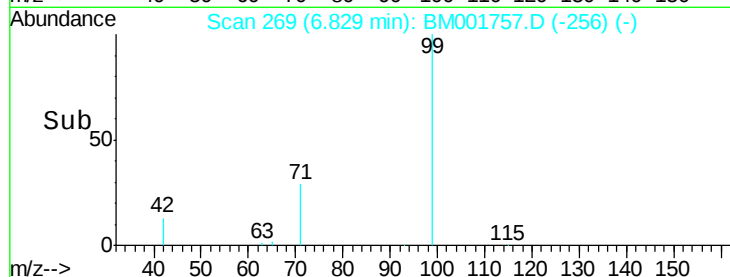
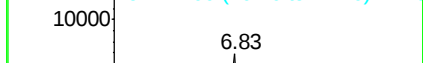
71 35.6 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BM001743.D (-261) (-)

Ion 42.00 (41.70 to 42.70): BM001743.D (-261) (-)

Ion 71.00 (70.70 to 71.70): BM001743.D (-261) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.02 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Tgt Ion: 136 Resp: 70308

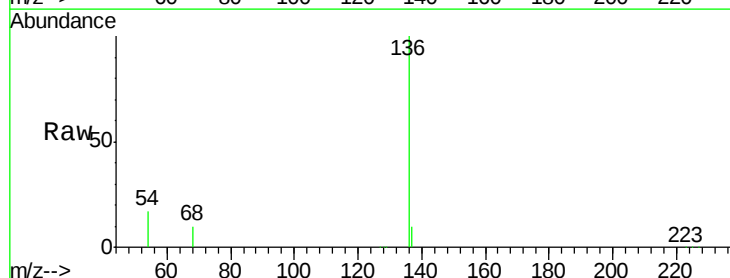
Ion Ratio Lower Upper

136 100

137 9.9 9.4 14.0

54 17.1 4.4 6.6#

68 9.8 3.1 4.7#

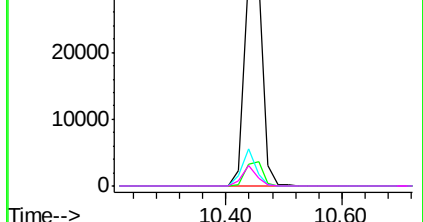
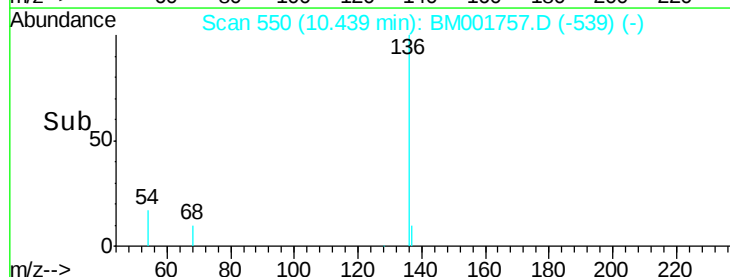
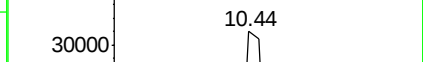


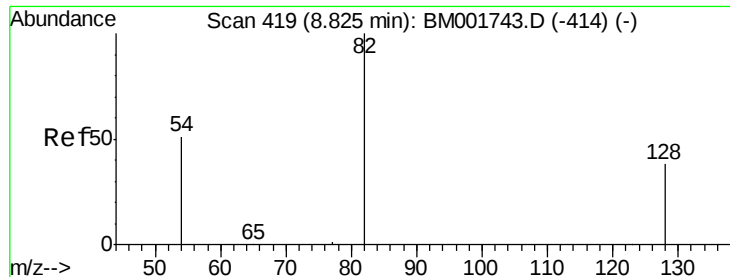
Abundance Ion 136.00 (135.70 to 136.70): BM001743.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM001743.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM001743.D (-542) (-)





#7

Nitrobenzene-d5

Concen: 7.18 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

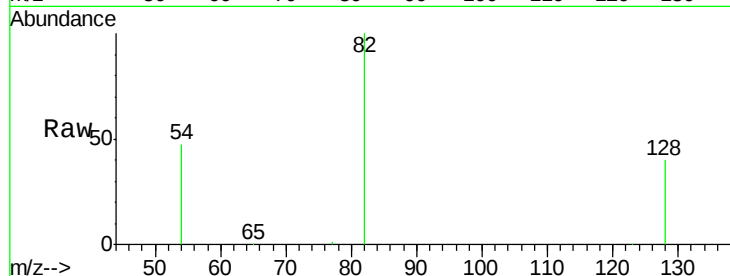
Tgt Ion: 82 Resp: 39373

Ion Ratio Lower Upper

82 100

128 40.4 31.3 46.9

54 46.5 41.9 62.9

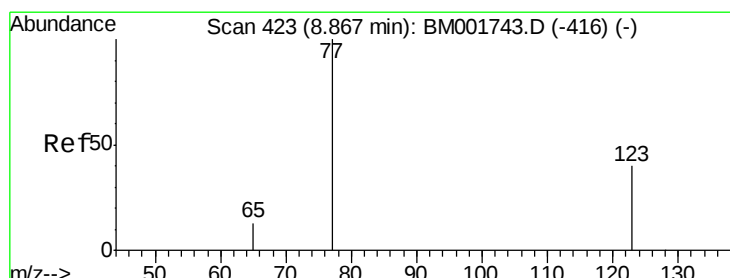
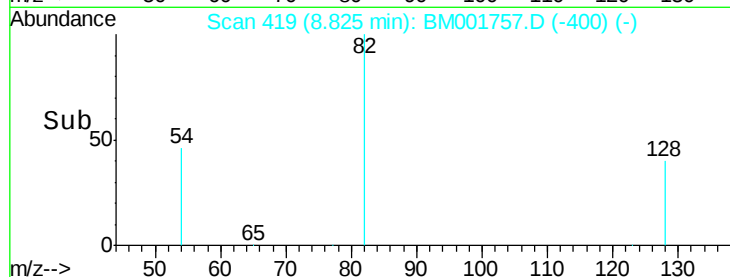


Abundance Ion 82.00 (81.70 to 82.70): BM001743.D (-414) (-)

Ion 128.00 (127.70 to 128.70): BM001743.D (-414) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-414) (-)

Time-->



#8

Nitrobenzene

Concen: 0.02 ng

RT: 8.81 min Scan# 418

Delta R.T. -0.05 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

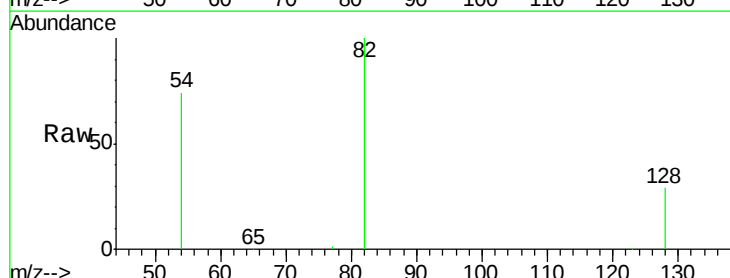
Tgt Ion: 77 Resp: 139

Ion Ratio Lower Upper

77 100

123 0.0 30.1 45.1#

65 51.1 11.3 16.9#

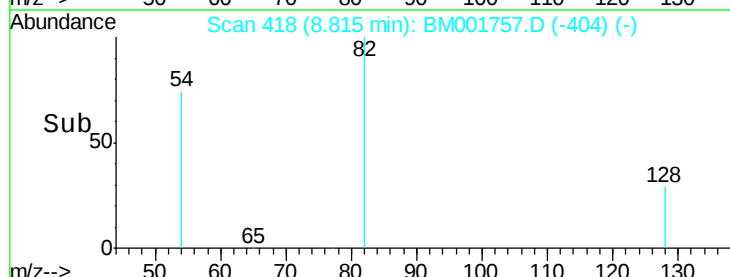


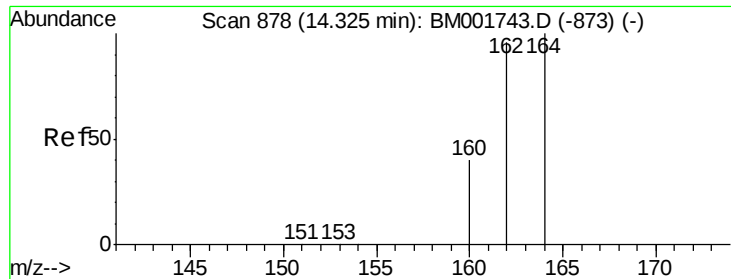
Abundance Ion 77.00 (76.70 to 77.70): BM001743.D (-416) (-)

Ion 123.00 (122.70 to 123.70): BM001743.D (-416) (-)

Ion 65.00 (64.70 to 65.70): BM001743.D (-416) (-)

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

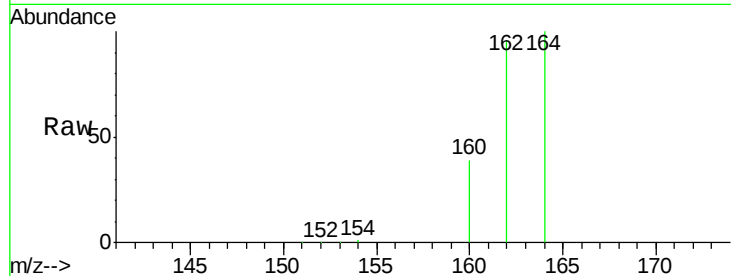
Tgt Ion:164 Resp: 33959

Ion Ratio Lower Upper

164 100

162 95.7 76.6 114.8

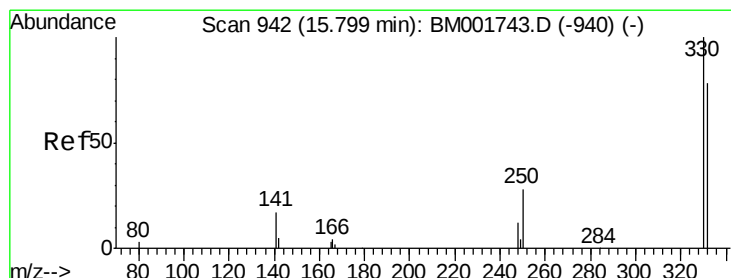
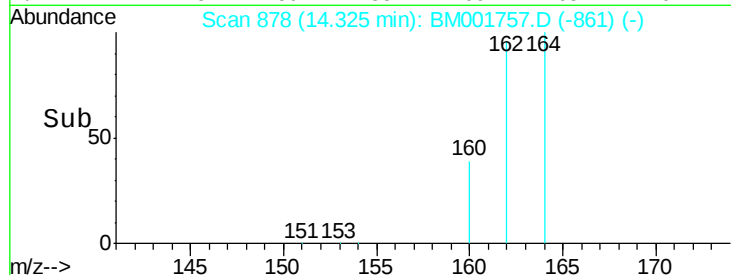
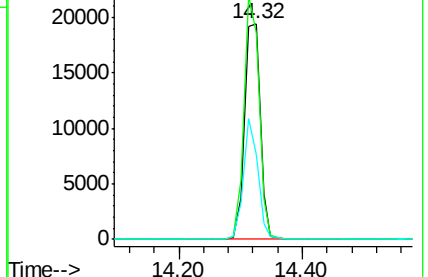
160 39.4 31.8 47.8



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



#13

2,4,6-Tribromophenol

Concen: 14.39 ng

RT: 15.80 min Scan# 942

Delta R.T. 0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

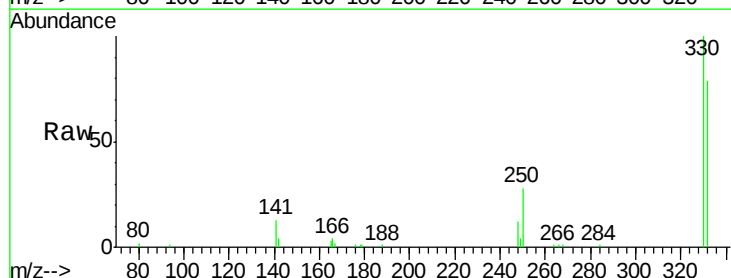
Tgt Ion:330 Resp: 15265

Ion Ratio Lower Upper

330 100

332 82.3 65.8 98.8

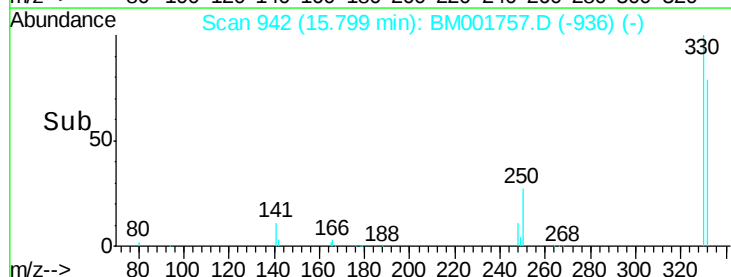
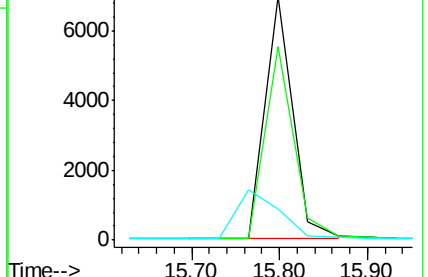
141 0.0 0.0 0.0

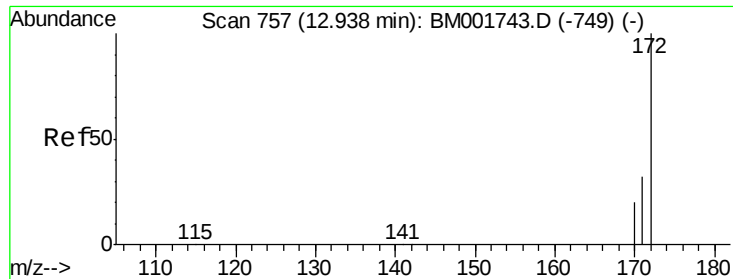


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

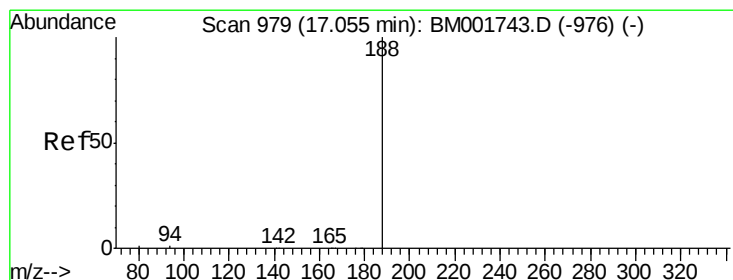
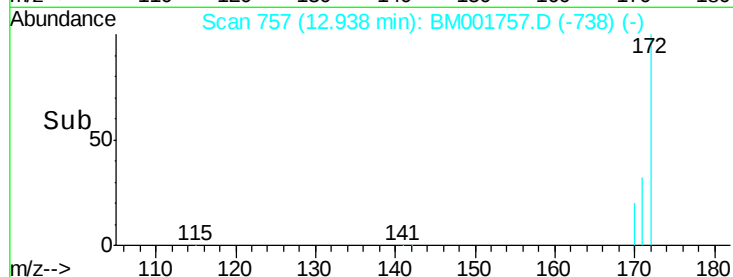
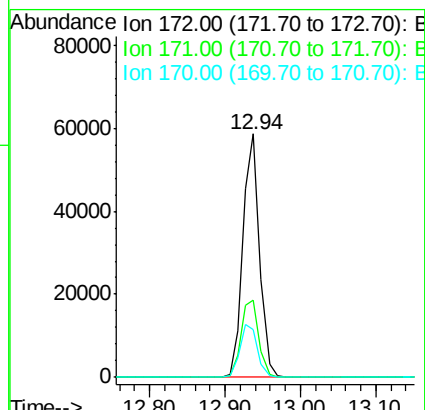
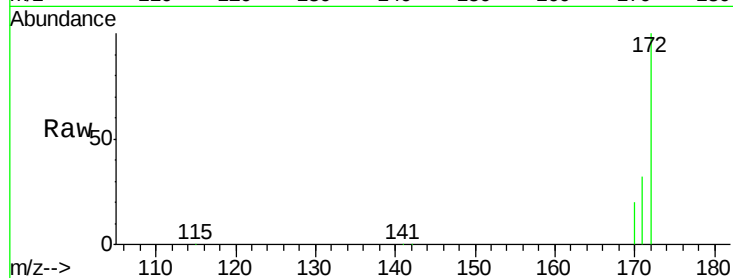




#14
2-Fluorobiphenyl
Concen: 7.38 ng
RT: 12.94 min Scan# 757
Delta R.T. -0.00 min
Lab File: BM001757.D
Acq: 19 Jun 2015 12:08

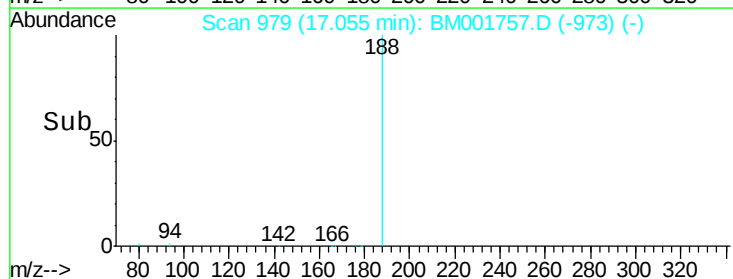
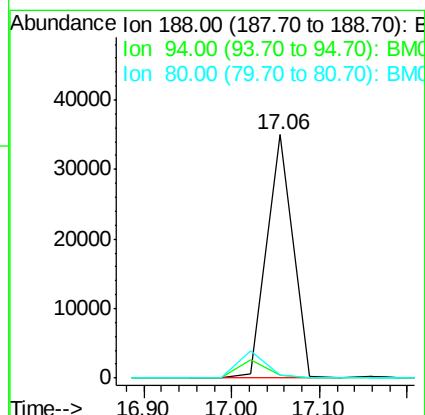
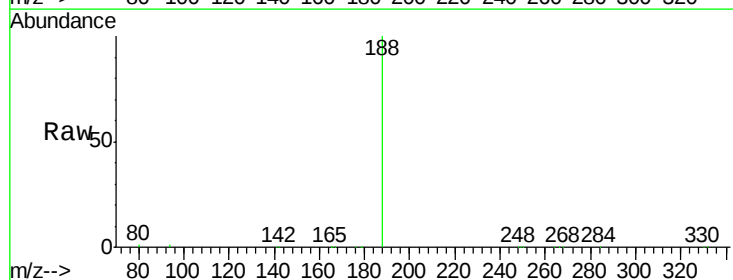
Instrument :
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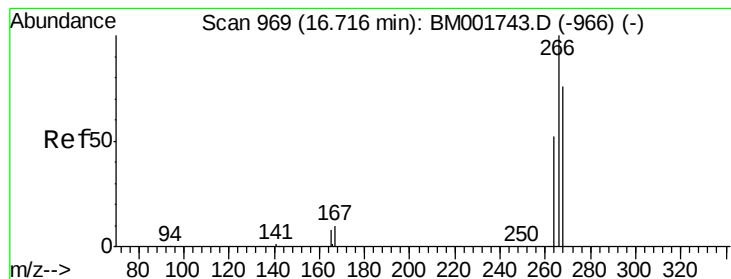
Tgt Ion:172 Resp: 89608
Ion Ratio Lower Upper
172 100
171 31.8 26.2 39.2
170 19.6 16.6 24.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM001757.D
Acq: 19 Jun 2015 12:08

Tgt Ion:188 Resp: 72640
Ion Ratio Lower Upper
188 100
94 1.3 1.3 1.9
80 1.1 1.0 1.6





#21

Pentachlorophenol

Concen: 0.05 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

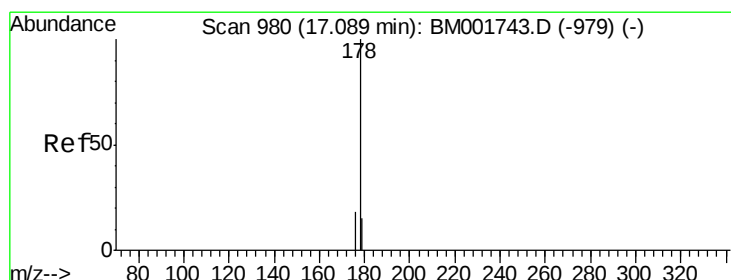
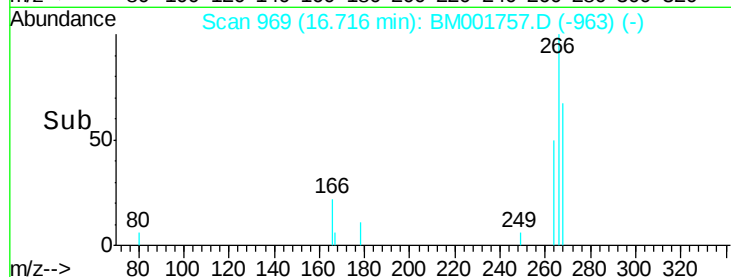
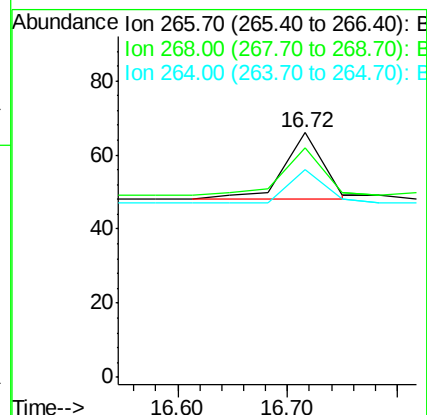
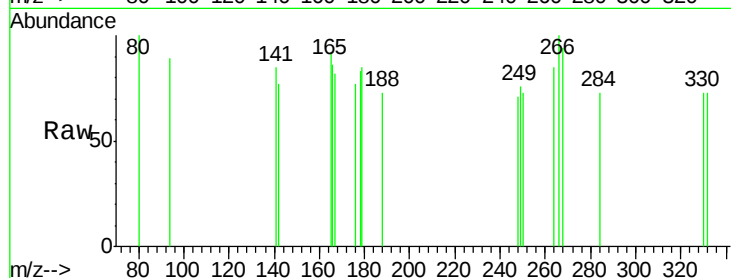
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

268 93.9 63.2 94.8

264 84.8 46.2 69.2#



#22

Phenanthrene

Concen: 0.04 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

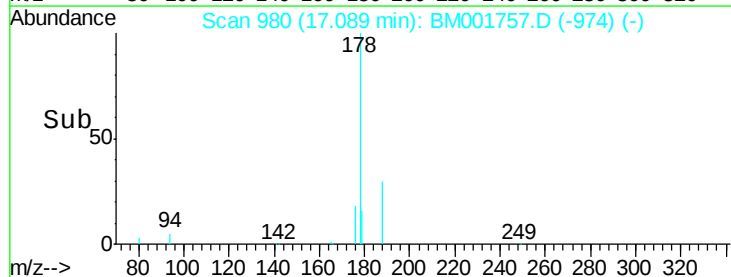
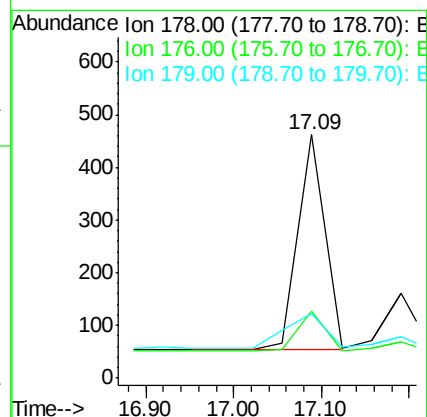
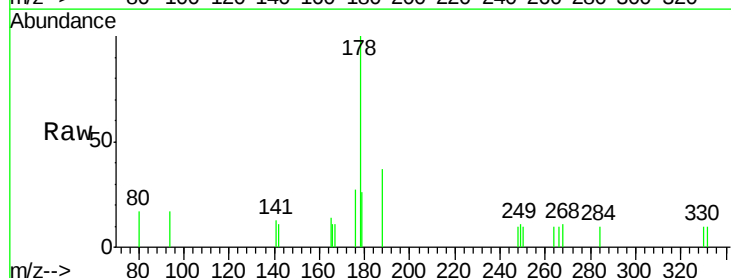
Tgt Ion:178 Resp: 872

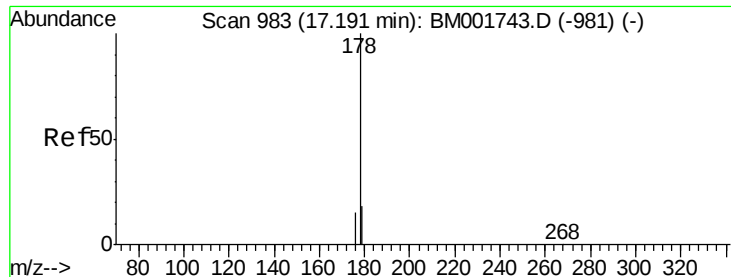
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 24.1 12.6 19.0#





#23

Anthracene

Concen: 0.02 ng

RT: 17.19 min Scan# 983

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

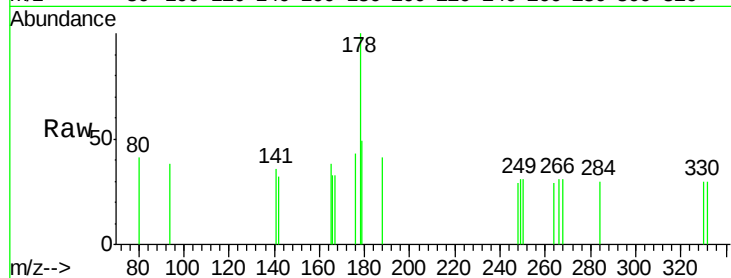
Tgt Ion:178 Resp: 212

Ion Ratio Lower Upper

178 100

176 16.5 10.0 15.0#

179 16.5 12.3 18.5



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

17.19

150

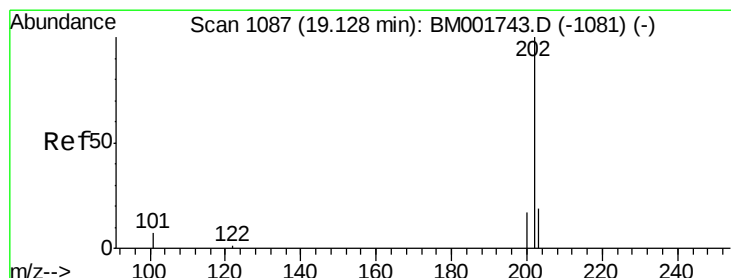
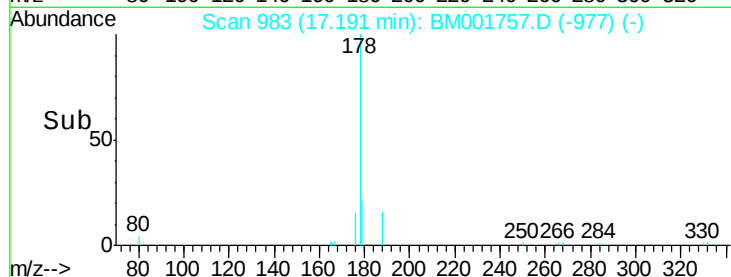
100

50

0

17.15 17.20 17.25

Time-->



#24

Fluoranthene

Concen: 0.06 ng

RT: 19.12 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

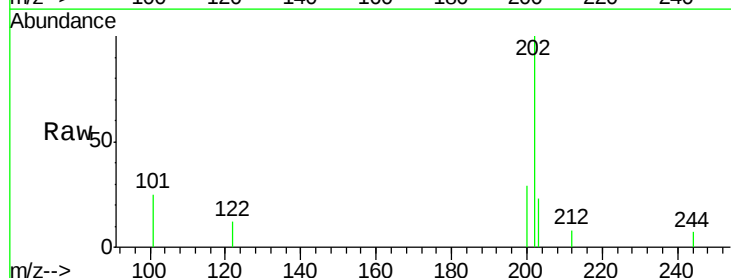
Tgt Ion:202 Resp: 901

Ion Ratio Lower Upper

202 100

101 17.1 10.8 16.2#

203 17.9 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.12

800

600

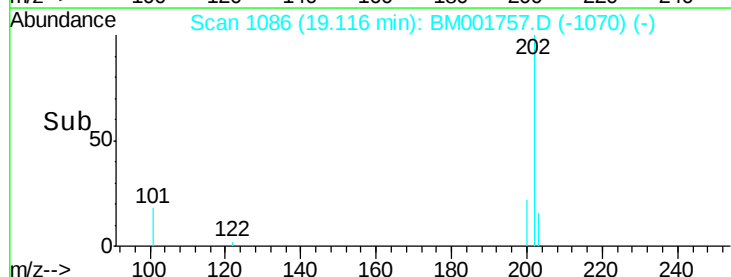
400

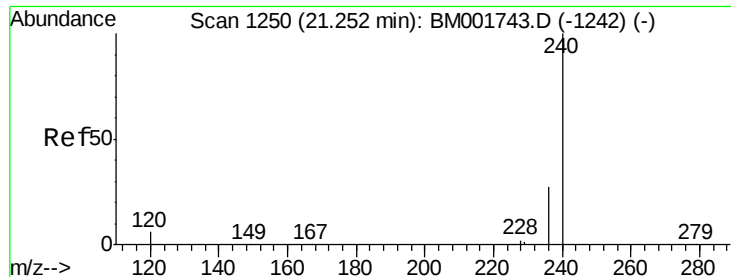
200

0

19.00 19.10 19.20

Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

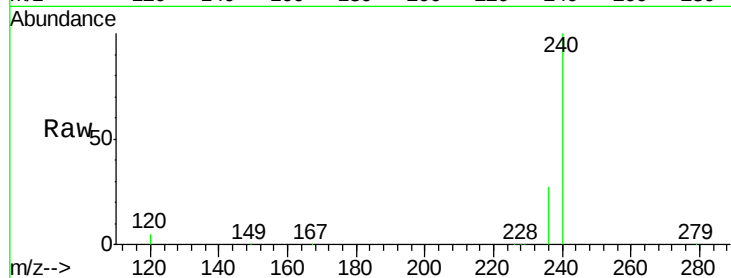
Tgt Ion:240 Resp: 46701

Ion Ratio Lower Upper

240 100

120 5.3 4.7 7.1

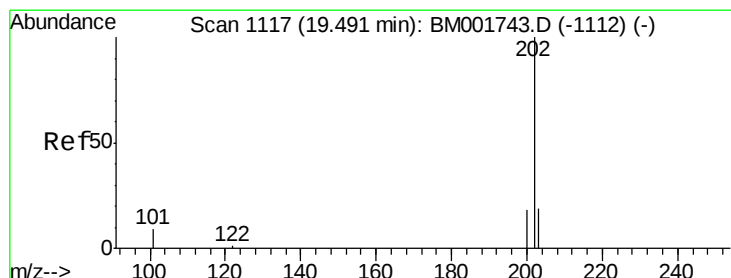
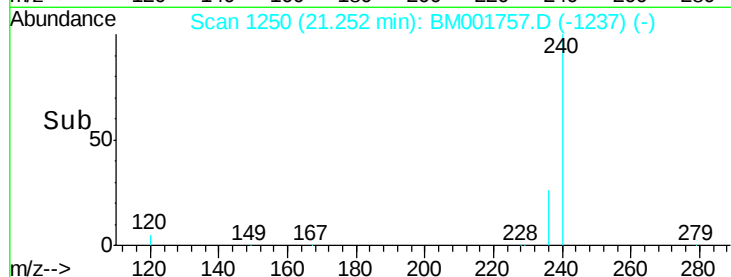
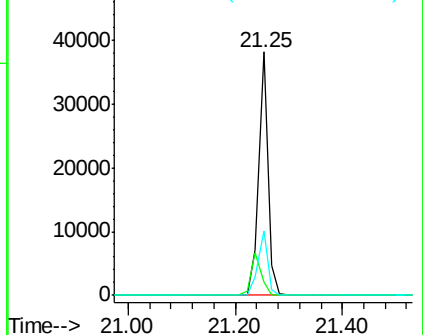
236 26.5 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 0.06 ng

RT: 19.49 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

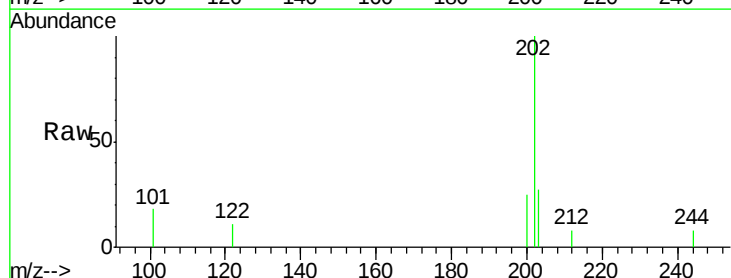
Tgt Ion:202 Resp: 903

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

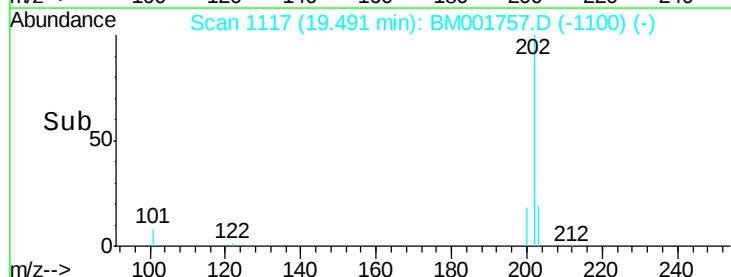
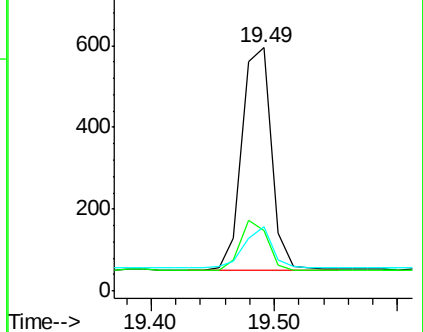
203 18.6 13.9 20.9

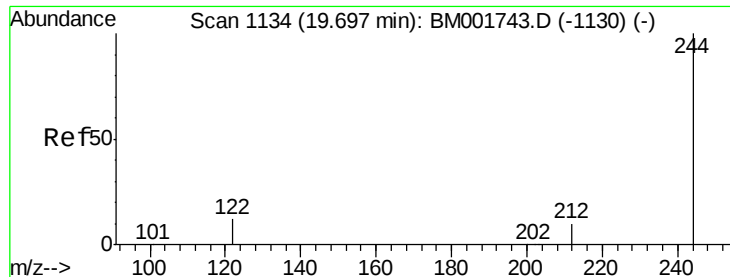


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

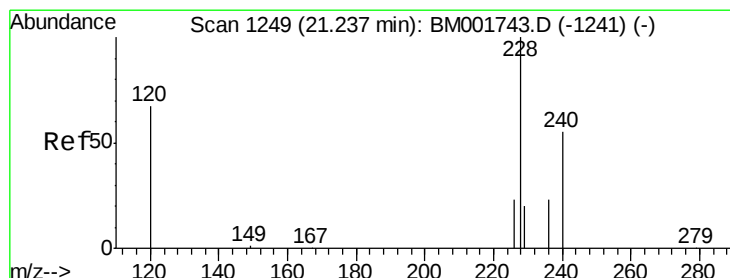
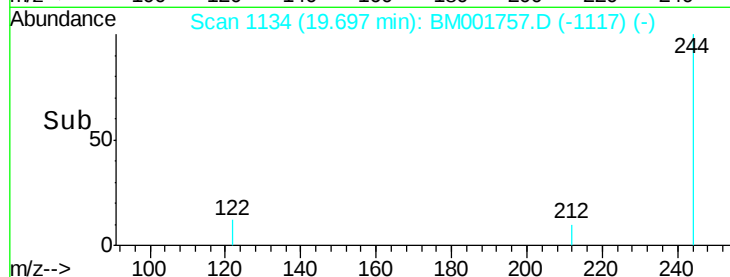
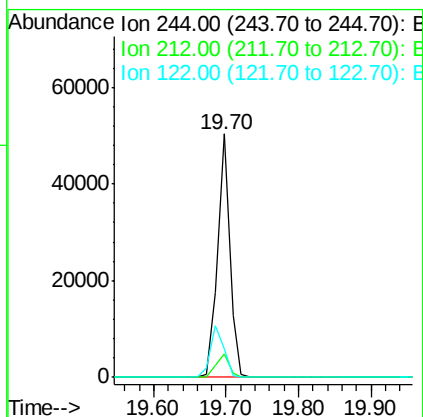
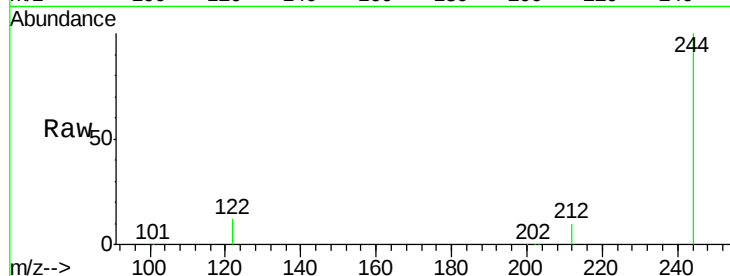




#27
 Terphenyl-d14
 Concen: 8.65 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: BM001757.D
 Acq: 19 Jun 2015 12:08

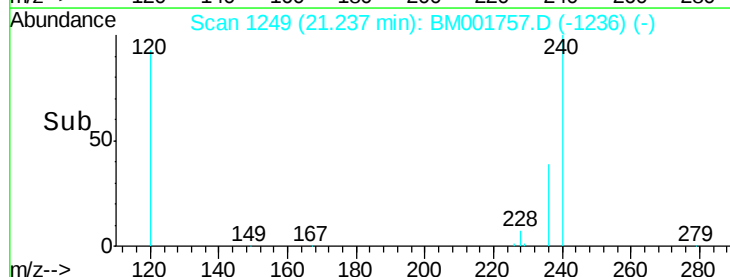
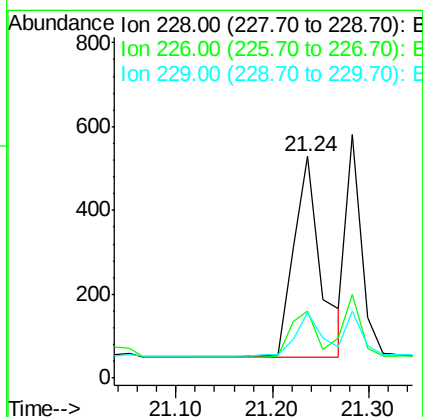
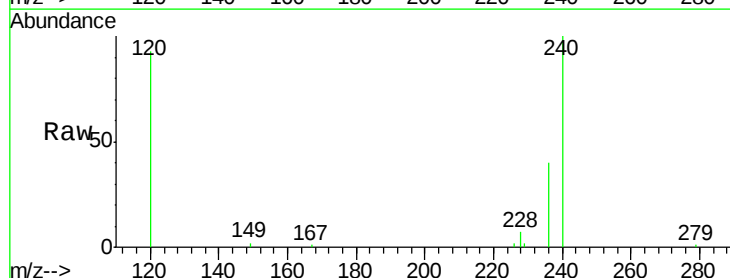
Instrument :
 BNA_M
 ClientSampleId :
 061715-P22-E-D-S

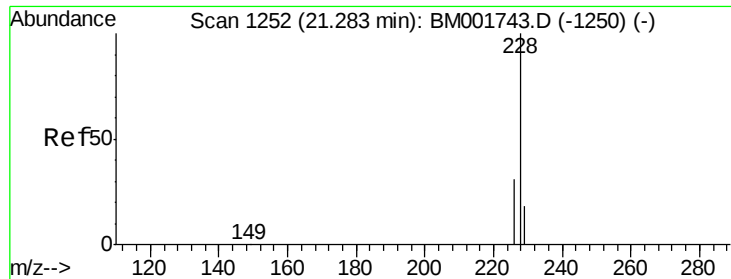
Tgt Ion: 244 Resp: 59541
 Ion Ratio Lower Upper
 244 100
 212 9.8 8.6 13.0
 122 11.7 10.6 15.8



#28
 Benzo(a)anthracene
 Concen: 0.07 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BM001757.D
 Acq: 19 Jun 2015 12:08

Tgt Ion: 228 Resp: 936
 Ion Ratio Lower Upper
 228 100
 226 30.4 18.9 28.3#
 229 29.5 16.6 25.0#





#29

Chrysene

Concen: 0.04 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

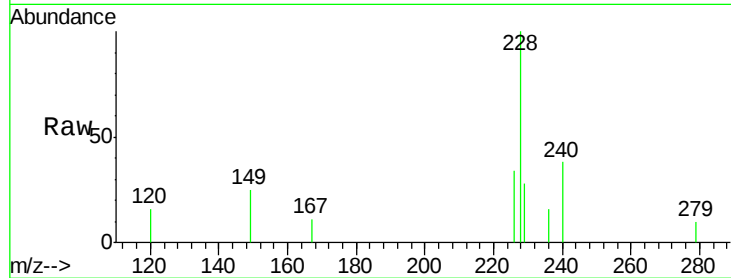
Tgt Ion:228 Resp: 584

Ion Ratio Lower Upper

228 100

226 34.4 24.3 36.5

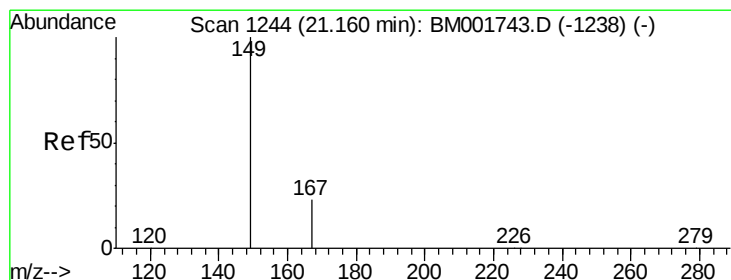
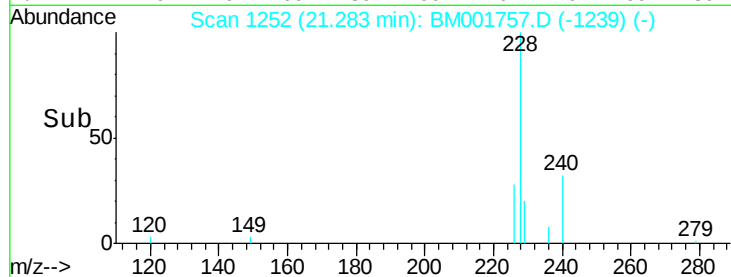
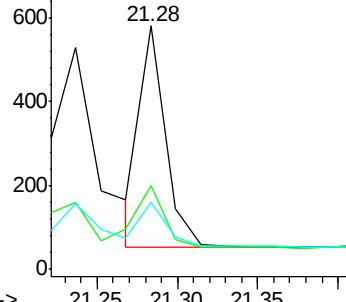
229 27.7 15.0 22.6#



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: 0.15 ng

RT: 21.16 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

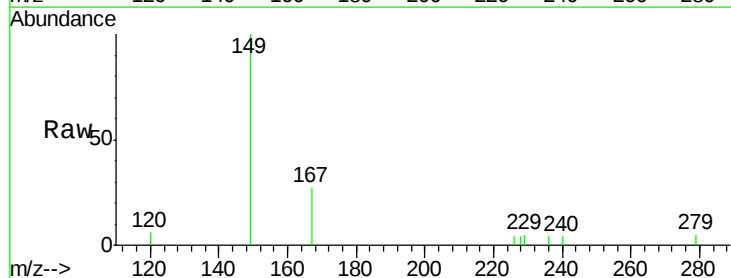
Tgt Ion:149 Resp: 1237

Ion Ratio Lower Upper

149 100

167 24.5 19.7 29.5

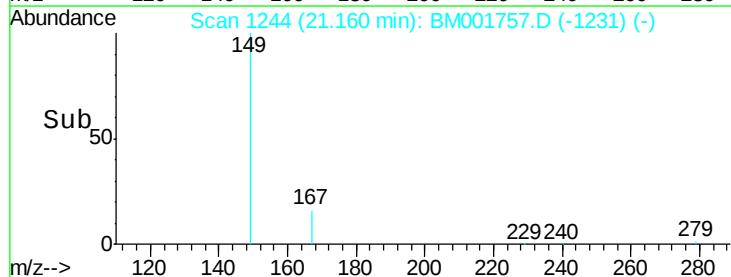
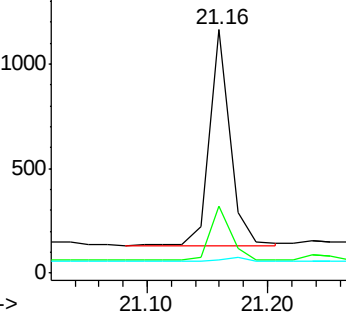
279 2.7 1.6 2.4#

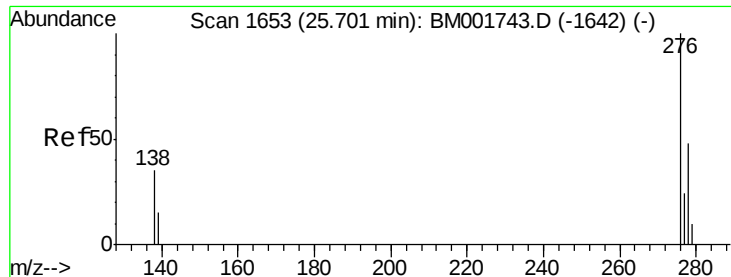


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.03 ng

RT: 25.70 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

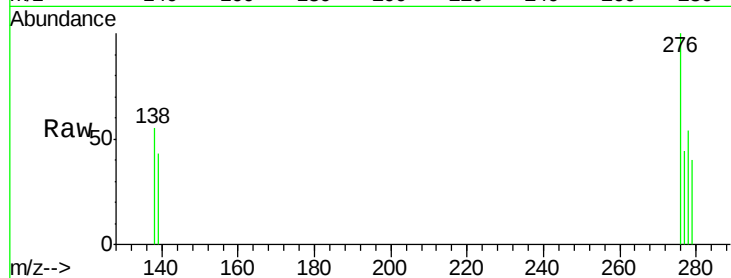
Tgt Ion:276 Resp: 484

Ion Ratio Lower Upper

276 100

138 38.8 29.0 43.6

277 24.4 19.7 29.5

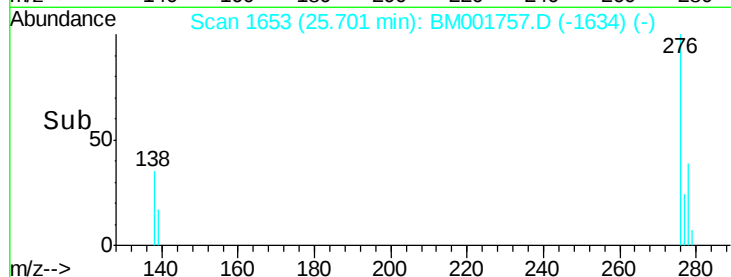


Abundance Ion 276.00 (275.70 to 276.70): E

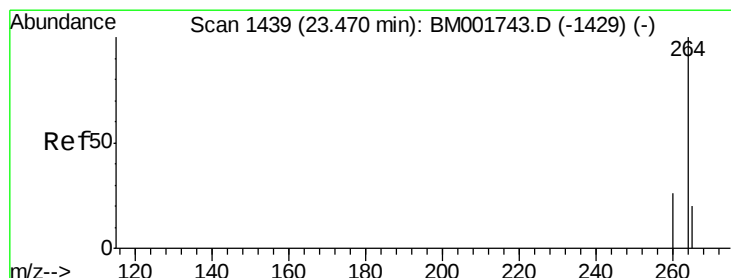
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.70



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

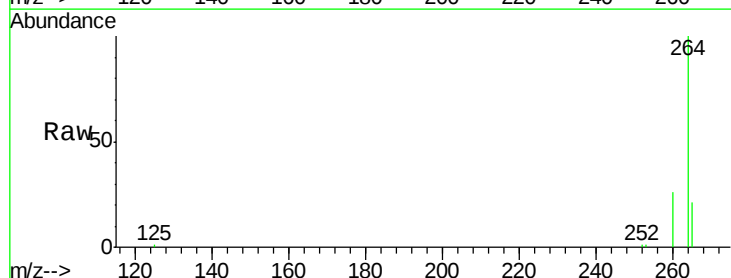
Tgt Ion:264 Resp: 40784

Ion Ratio Lower Upper

264 100

260 26.0 20.8 31.2

265 21.3 16.8 25.2

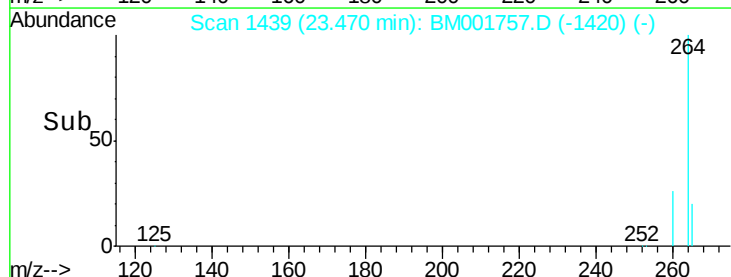


Abundance Ion 264.00 (263.70 to 264.70): E

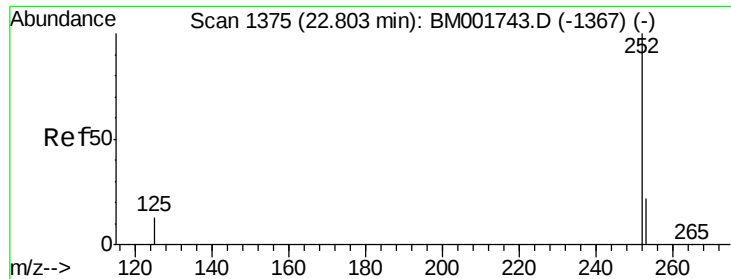
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

23.47



Time-->



#33

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.80 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

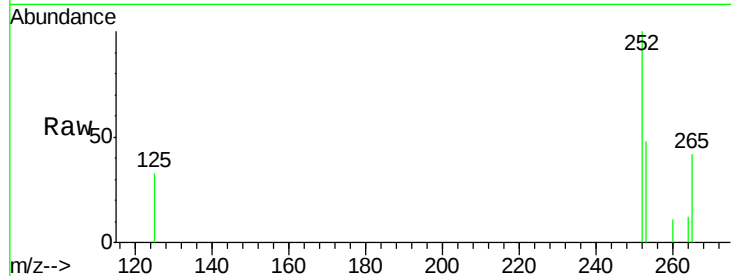
Tgt Ion:252 Resp: 705

Ion Ratio Lower Upper

252 100

253 47.6 19.0 28.4#

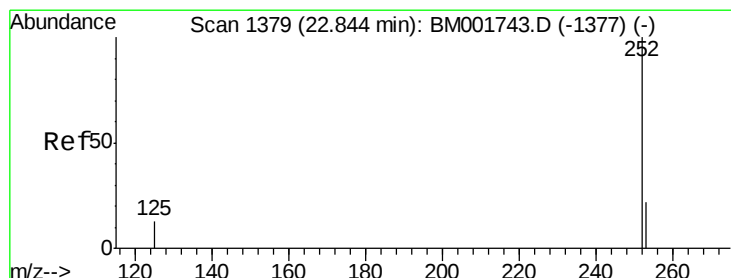
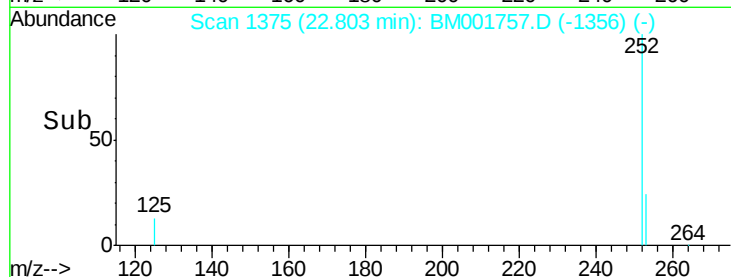
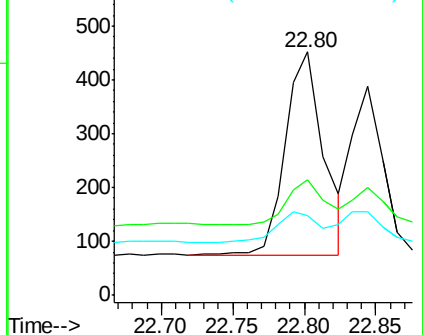
125 33.0 11.3 16.9#



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: 0.04 ng

RT: 22.84 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

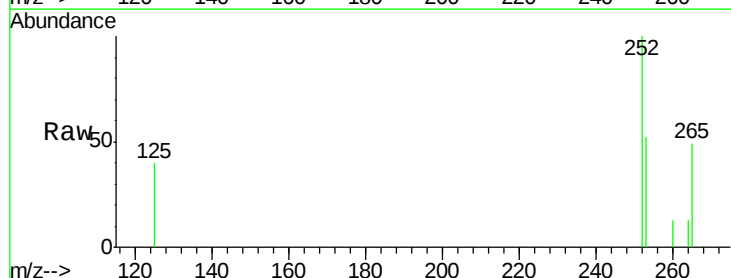
Tgt Ion:252 Resp: 480

Ion Ratio Lower Upper

252 100

253 51.8 18.2 27.4#

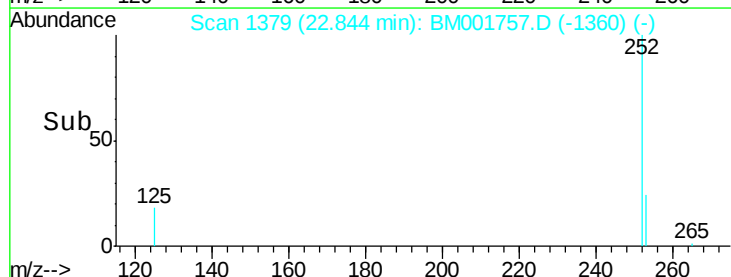
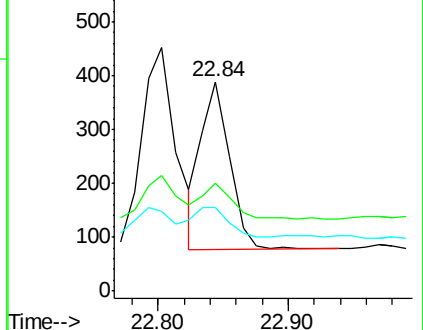
125 39.7 11.8 17.6#

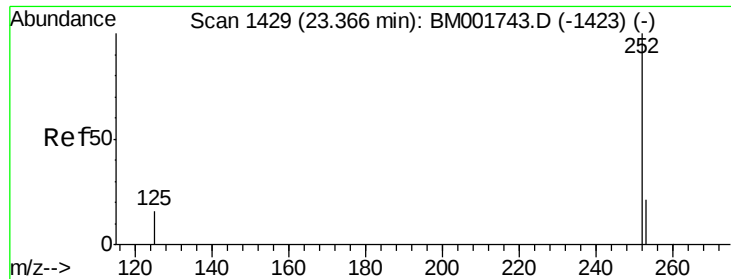


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.37 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S

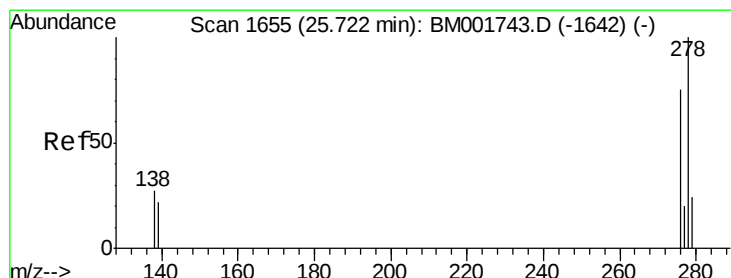
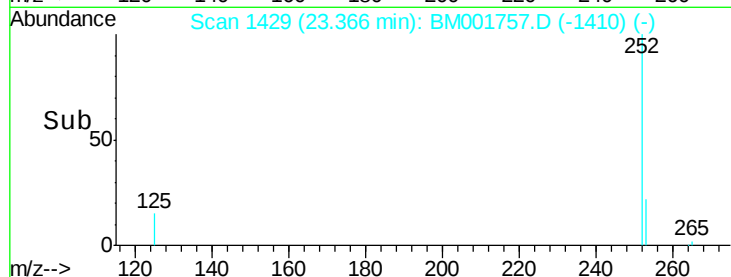
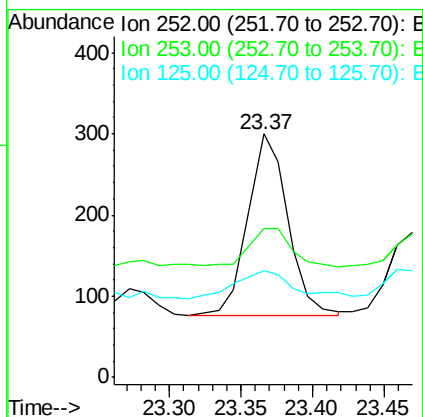
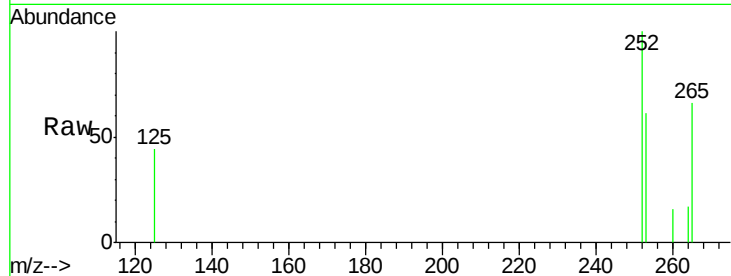
Tgt Ion: 252 Resp: 433

Ion Ratio Lower Upper

252 100

253 61.3 17.9 26.9#

125 44.0 14.1 21.1#



#36

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 25.72 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BM001757.D

Acq: 19 Jun 2015 12:08

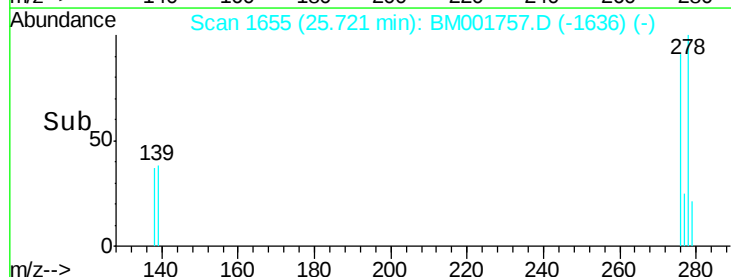
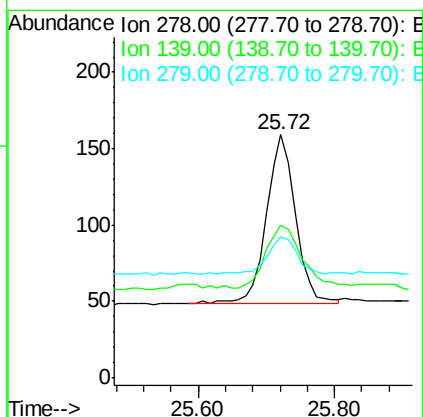
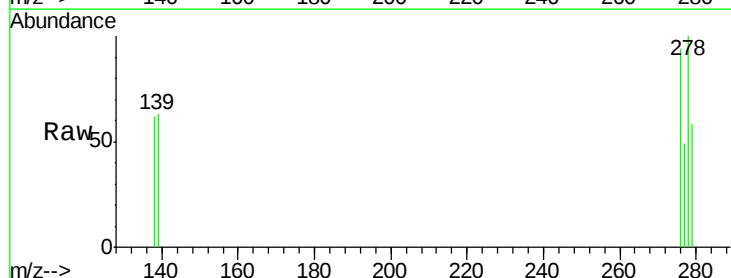
Tgt Ion: 278 Resp: 319

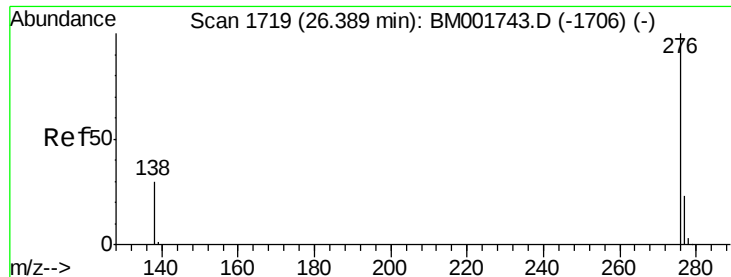
Ion Ratio Lower Upper

278 100

139 62.9 18.4 27.6#

279 57.9 19.8 29.8#





#37

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 26.39 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BM001757.D

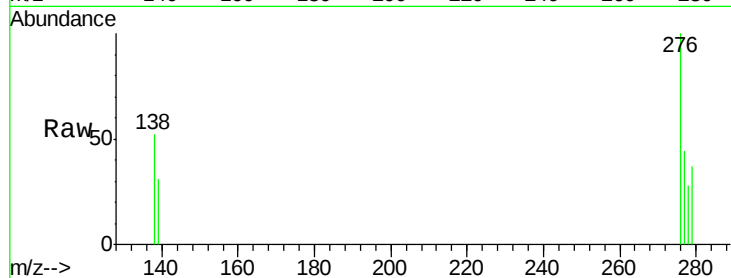
Acq: 19 Jun 2015 12:08

Instrument :

BNA_M

ClientSampleId :

061715-P22-E-D-S



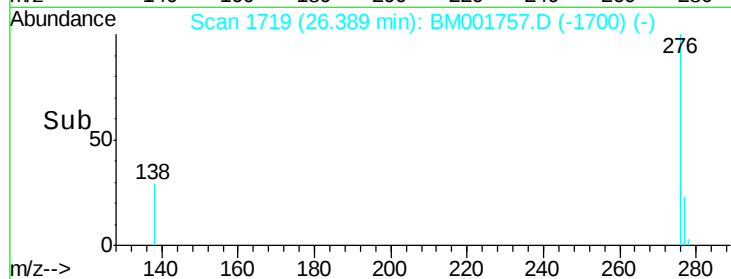
Tgt Ion: 276 Resp: 416

Ion Ratio Lower Upper

276 100

277 44.1 19.3 28.9#

138 51.6 24.7 37.1#



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

26.39

200

150

100

50

0

Time--> 26.20 26.40 26.60