

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042715\
 Data File : BM001119.D
 Acq On : 27 Apr 2015 14:51
 Operator : TP/IZ
 Sample : G1998-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1Q38

Quant Time: Apr 28 01:37:55 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM042715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 27 14:06:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	1014	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	3480	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	1731	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	3940	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	3732	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	3480	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	1612	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3463	0.39	ng/ul	0.00

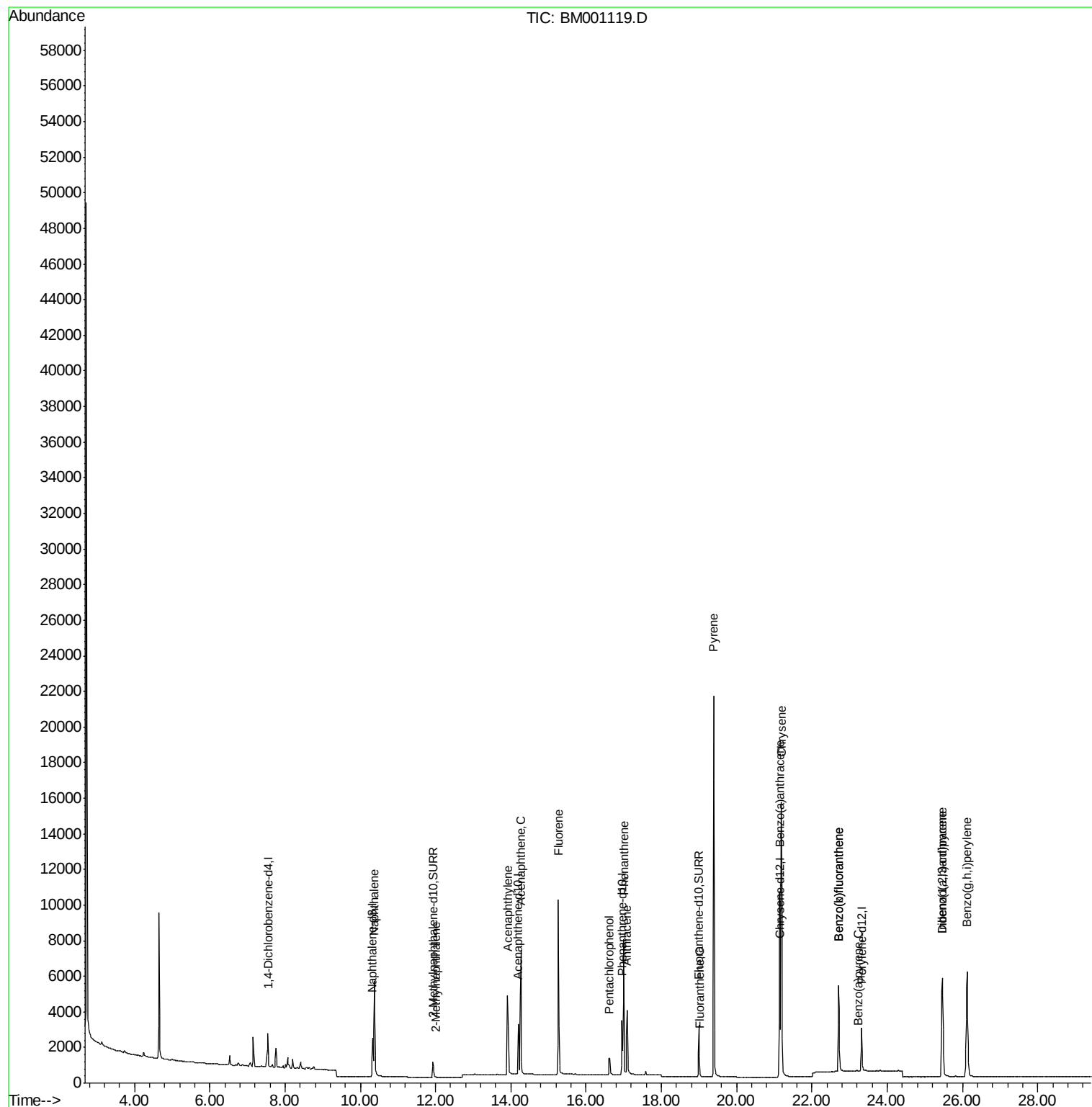
Target Compounds						Qvalue
3) Naphthalene	10.37	128	8293	0.93	ng/ul	98
5) 2-Methylnaphthalene	12.00	142	12	0.00	ng/ul	95
7) Acenaphthylene	13.91	152	6452	0.81	ng/ul	98
8) Acenaphthene	14.27	153	5020	0.82	ng/ul	99
9) Fluorene	15.26	166	6909	0.98	ng/ul	95
11) Pentachlorophenol	16.61	266	1057	1.44	ng/ul	98
12) Phenanthrene	17.00	178	9031	0.79	ng/ul	98
13) Anthracene	17.09	178	5304	0.51	ng/ul	99
15) Fluoranthene	19.02	202	25	0.00	ng/ul#	1
17) Pyrene	19.38	202	22381	1.61	ng/ul	98
18) Benzo(a)anthracene	21.14	228	9615	0.80	ng/ul	97
19) Chrysene	21.19	228	14305	1.09	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	6573	0.53	ng/ul	98
22) Benzo(k)fluoranthene	22.71	252	6573	0.50	ng/ul	98
23) Benzo(a)pyrene	23.22	252	22	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.46	276	10471	0.75	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.46	278	310	0.03	ng/ul#	34
26) Benzo(g,h,i)perylene	26.12	276	11685	0.96	ng/ul	97

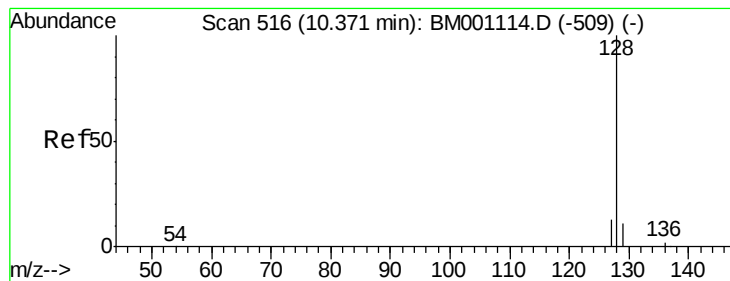
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.93 ng/ul

RT: 10.37 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

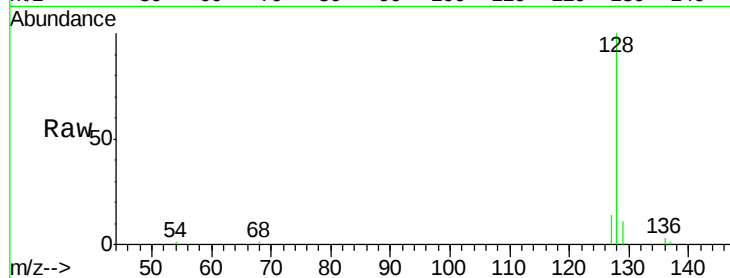
Tgt Ion:128 Resp: 8293

Ion Ratio Lower Upper

128 100

129 11.5 10.2 15.4

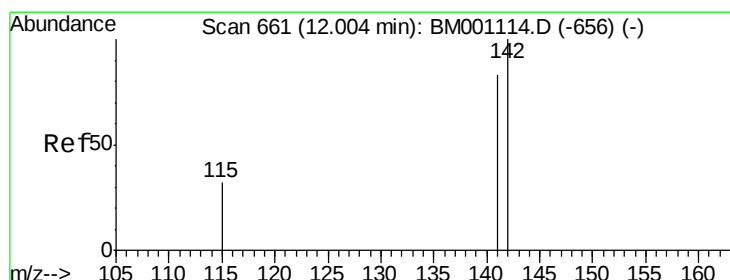
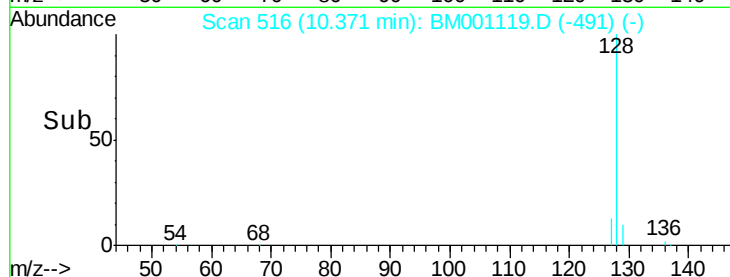
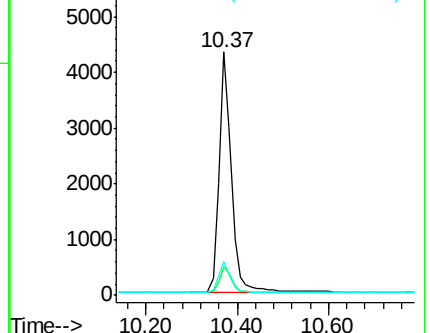
127 13.9 11.7 17.5



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



#5

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.00 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM001119.D

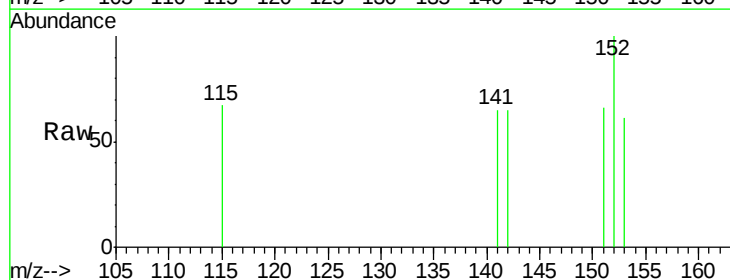
Acq: 27 Apr 2015 14:51

Tgt Ion:142 Resp: 12

Ion Ratio Lower Upper

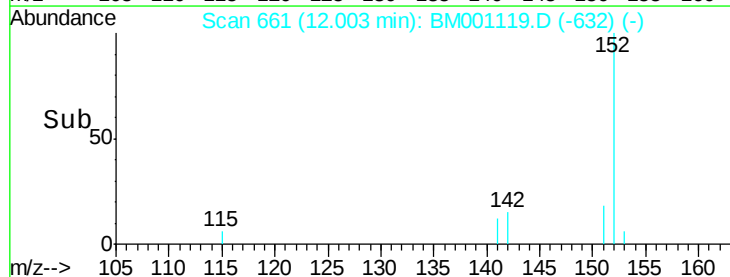
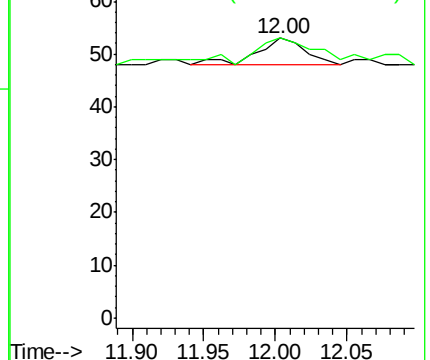
142 100

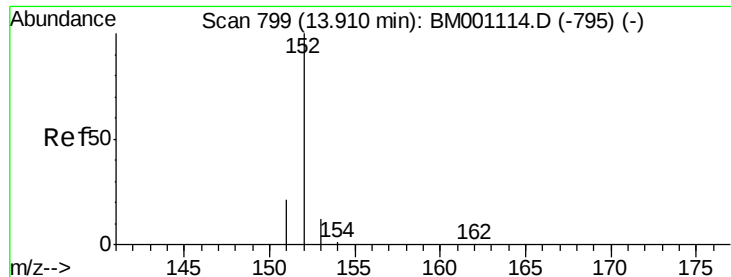
141 83.3 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.81 ng/ul

RT: 13.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

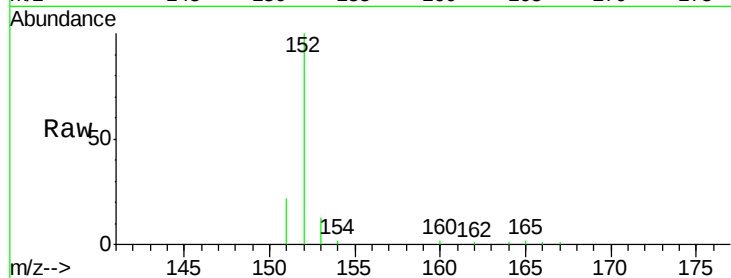
Tgt Ion:152 Resp: 6452

Ion Ratio Lower Upper

152 100

151 22.4 18.7 28.1

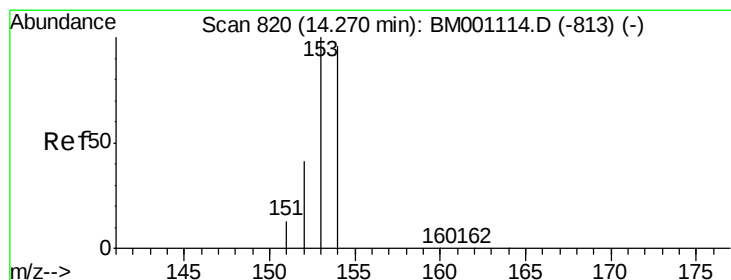
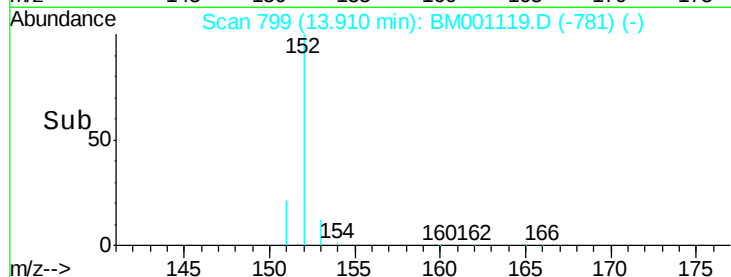
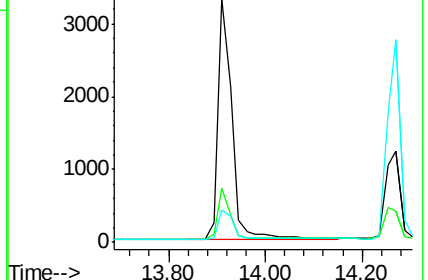
153 13.3 11.6 17.4



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



#8

Acenaphthene

Concen: 0.82 ng/ul

RT: 14.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

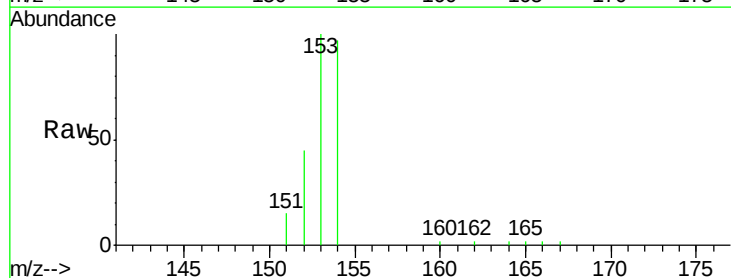
Tgt Ion:153 Resp: 5020

Ion Ratio Lower Upper

153 100

152 44.7 35.1 52.7

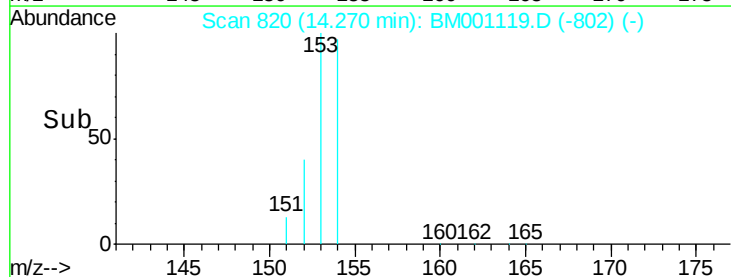
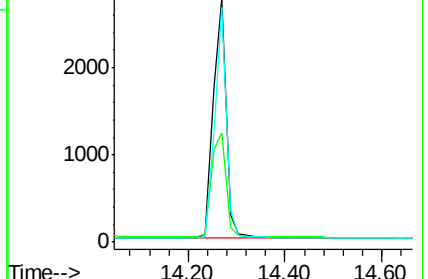
154 96.6 77.0 115.4

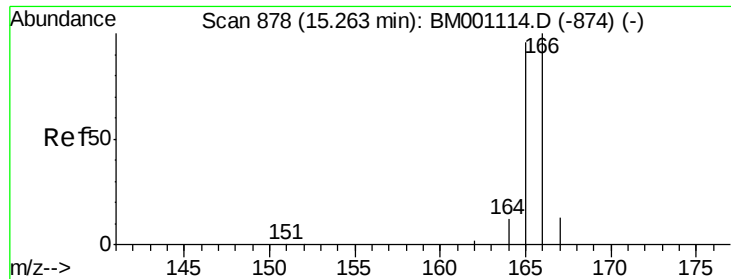


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.98 ng/ul

RT: 15.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

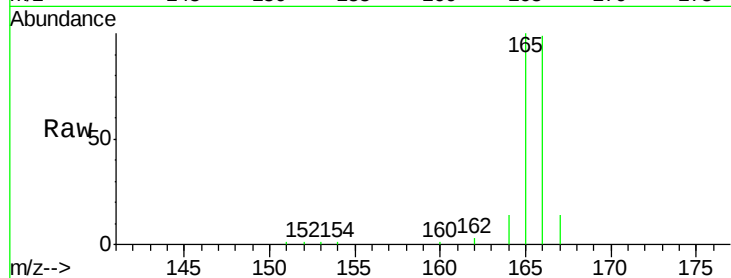
Tgt Ion:166 Resp: 6909

Ion Ratio Lower Upper

166 100

165 100.8 76.8 115.2

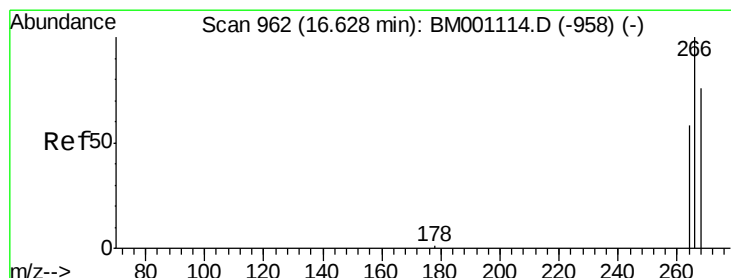
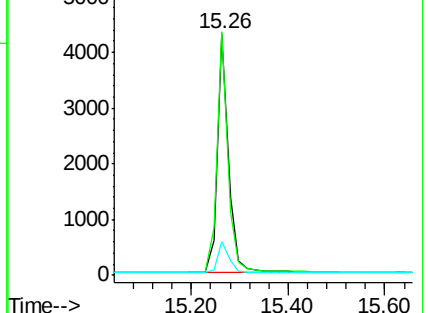
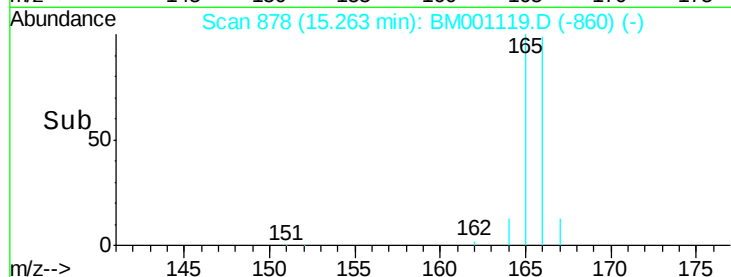
167 13.9 12.6 18.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 1.44 ng/ul

RT: 16.61 min Scan# 961

Delta R.T. -0.02 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

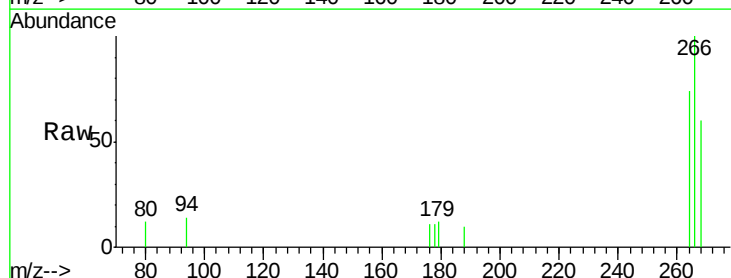
Tgt Ion:266 Resp: 1057

Ion Ratio Lower Upper

266 100

264 62.0 51.3 76.9

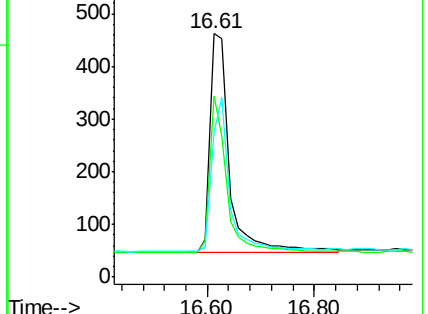
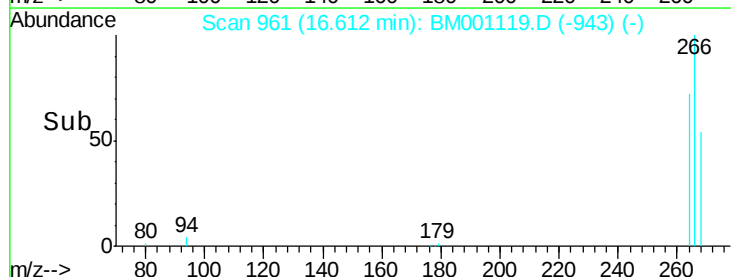
268 63.8 52.2 78.4

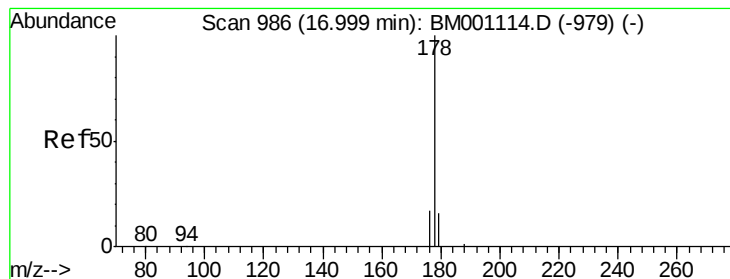


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.79 ng/ul

RT: 17.00 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

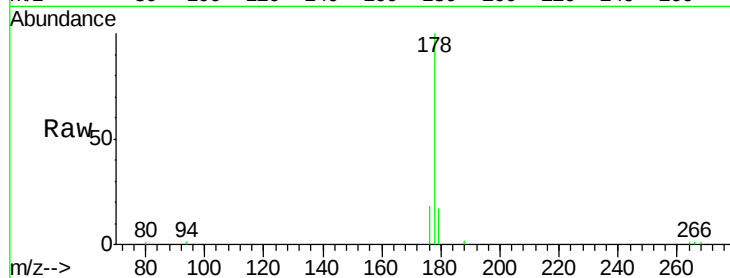
Tgt Ion:178 Resp: 9031

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

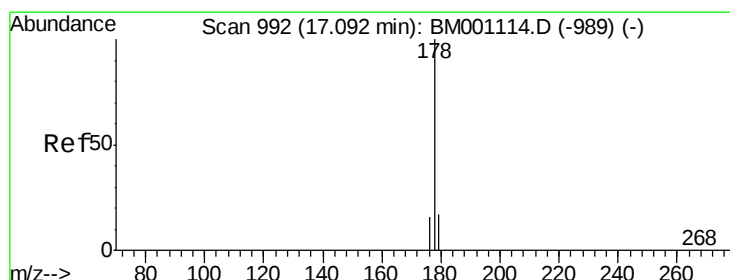
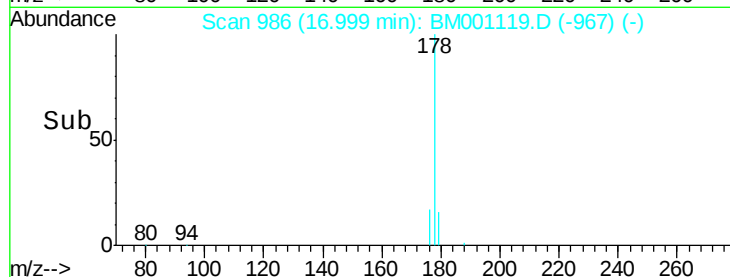
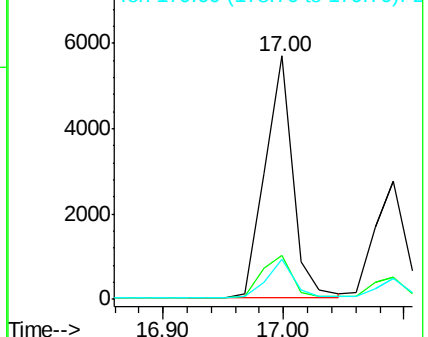
179 16.7 14.2 21.4



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



#13

Anthracene

Concen: 0.51 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

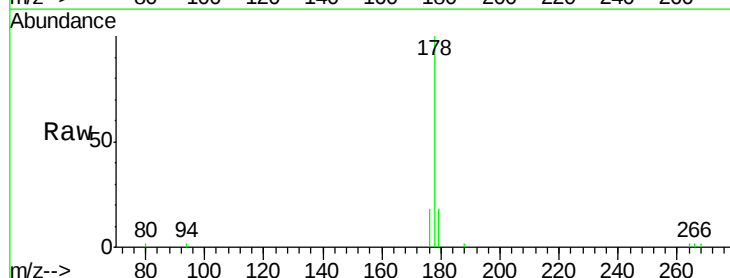
Tgt Ion:178 Resp: 5304

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

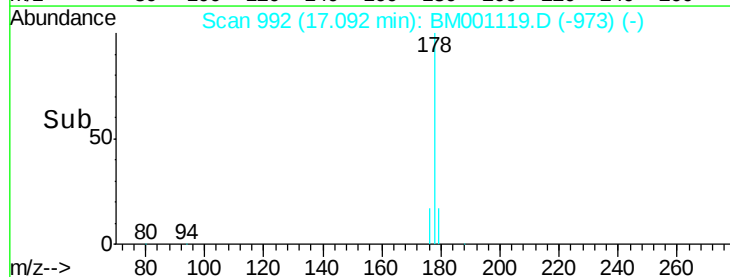
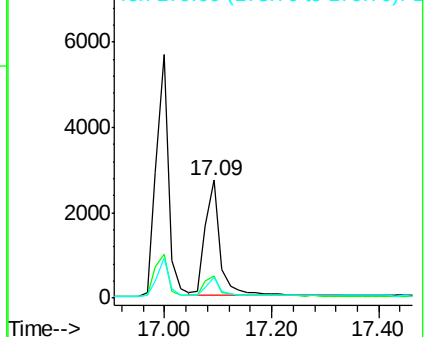
179 18.1 15.0 22.6

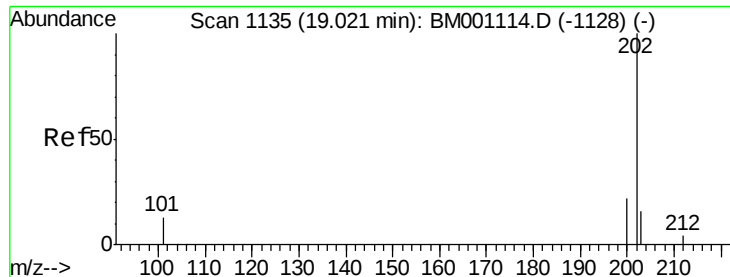


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.02 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

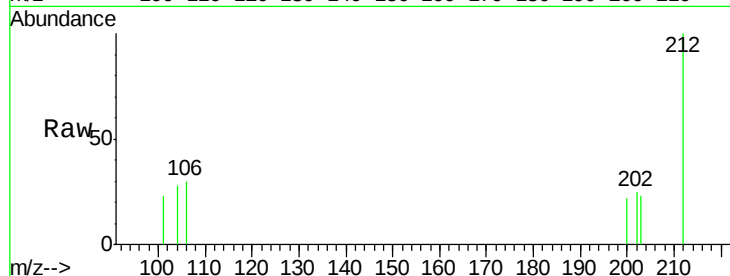
Tgt Ion: 202 Resp: 25

Ion Ratio Lower Upper

202 100

101 91.1 0.0 33.8#

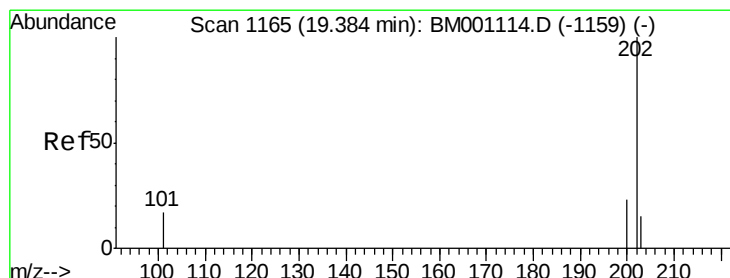
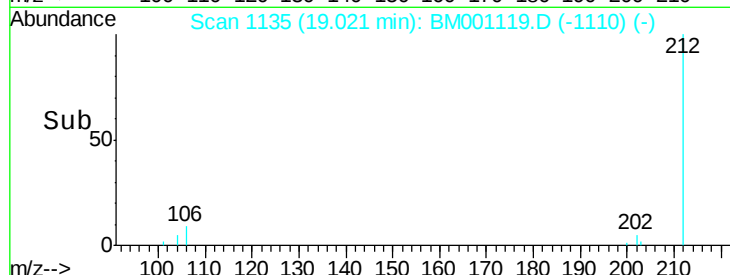
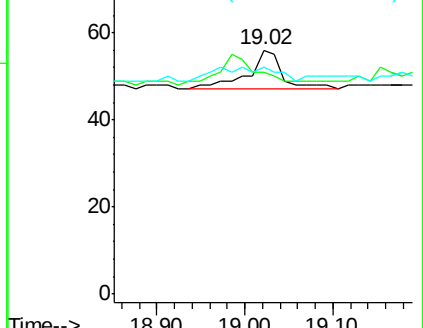
203 92.9 0.0 37.2#



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



#17

Pyrene

Concen: 1.61 ng/ul

RT: 19.38 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

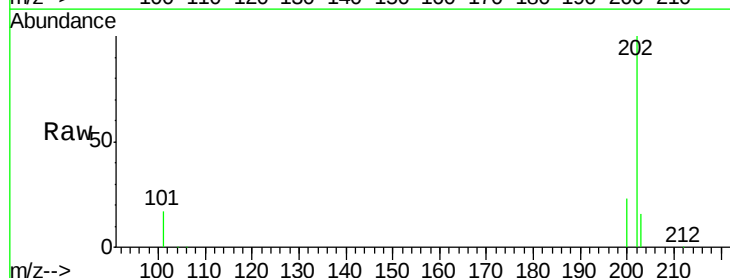
Tgt Ion: 202 Resp: 22381

Ion Ratio Lower Upper

202 100

200 22.9 19.2 28.8

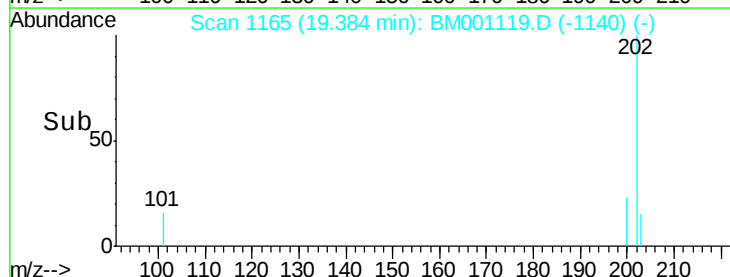
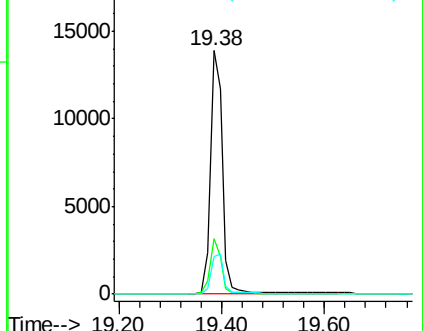
203 15.6 13.2 19.8

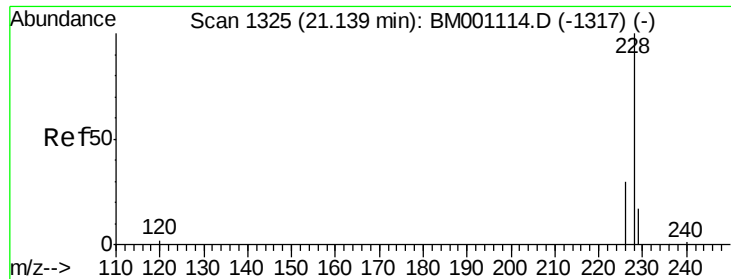


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.80 ng/ul

RT: 21.14 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

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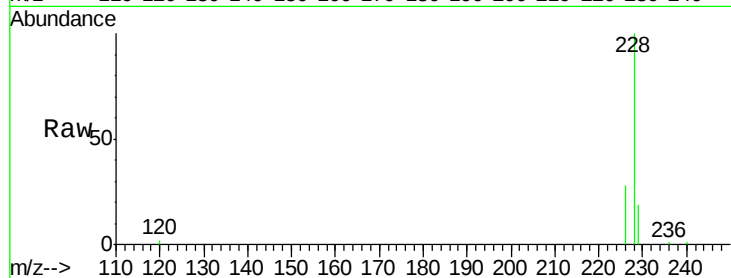
Tgt Ion:228 Resp: 9615

Ion Ratio Lower Upper

228 100

226 28.3 24.4 36.6

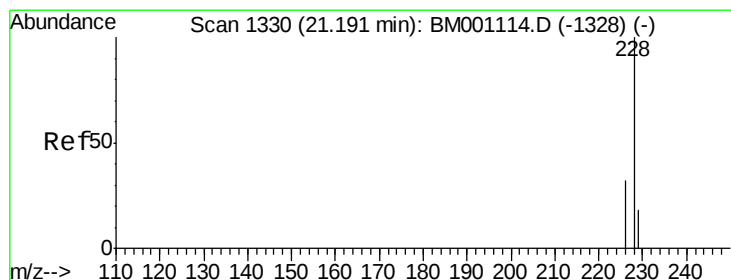
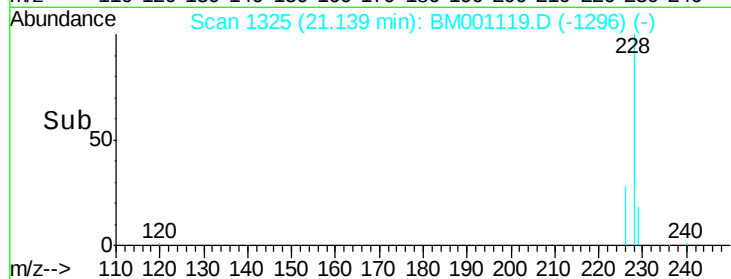
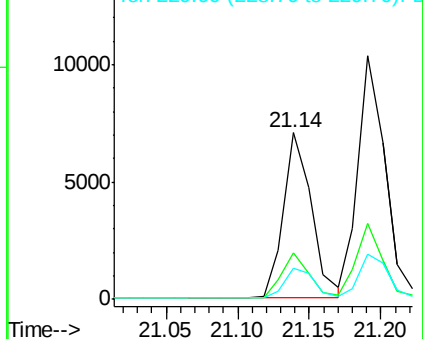
229 18.6 15.0 22.4



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



#19

Chrysene

Concen: 1.09 ng/ul

RT: 21.19 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

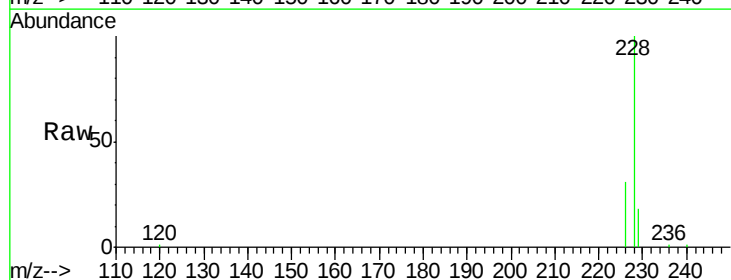
Tgt Ion:228 Resp: 14305

Ion Ratio Lower Upper

228 100

226 31.4 26.0 39.0

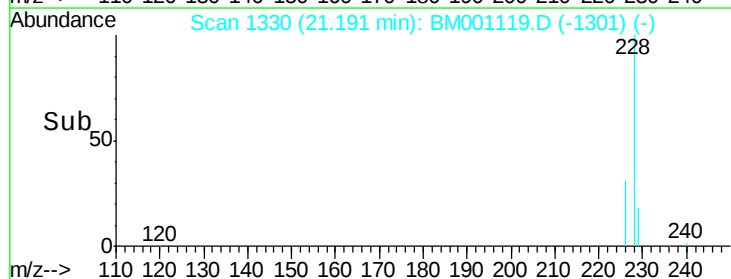
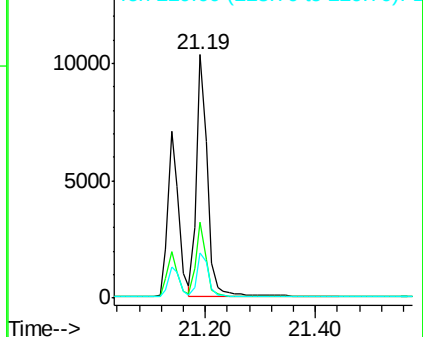
229 18.4 15.2 22.8

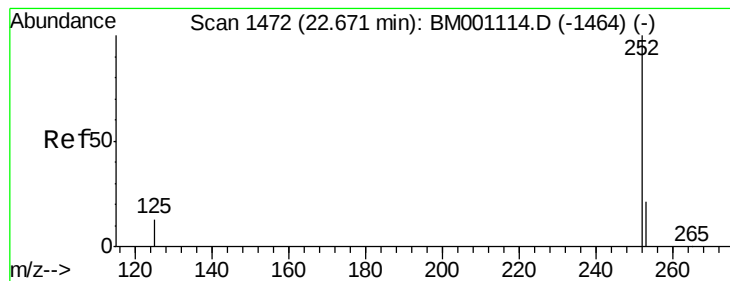


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.53 ng/ul

RT: 22.71 min Scan# 1476

Delta R.T. 0.04 min

Lab File: BM001119.D

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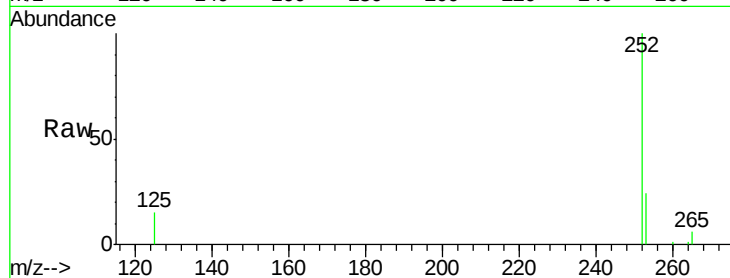
Tgt Ion:252 Resp: 6573

Ion Ratio Lower Upper

252 100

253 24.4 0.0 49.8

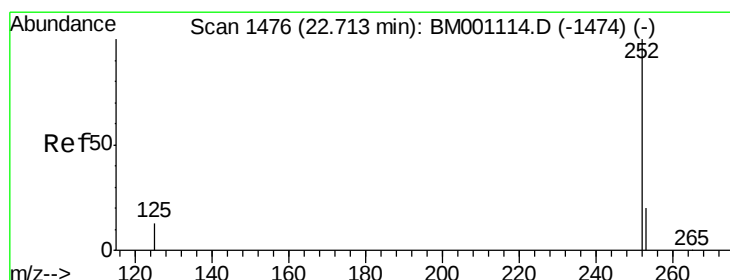
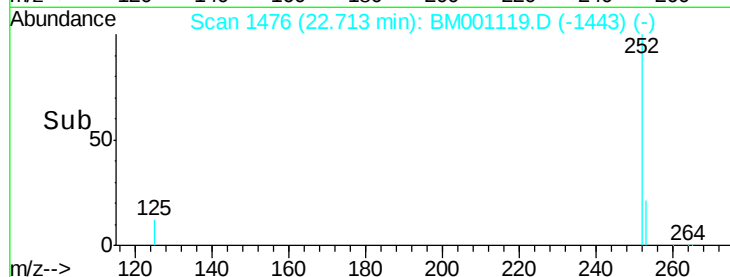
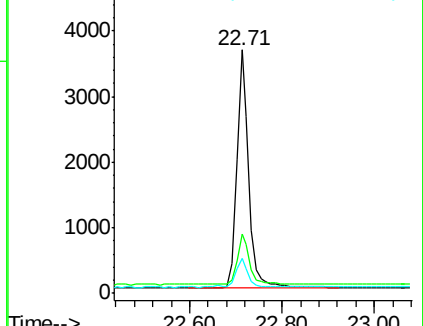
125 14.6 0.0 31.6



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



#22

Benzo(k)fluoranthene

Concen: 0.50 ng/ul

RT: 22.71 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

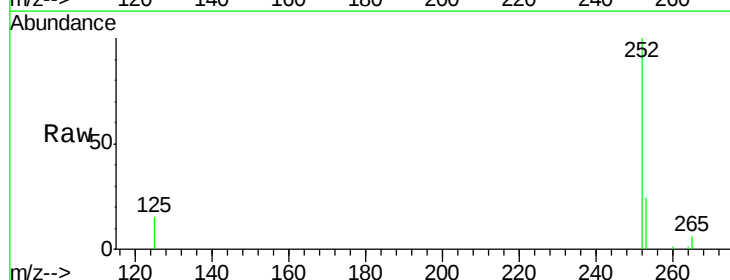
Tgt Ion:252 Resp: 6573

Ion Ratio Lower Upper

252 100

253 24.4 20.3 30.5

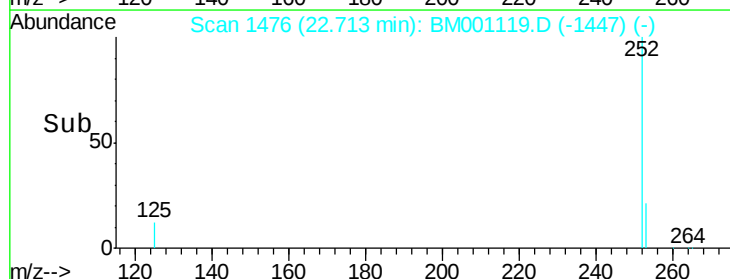
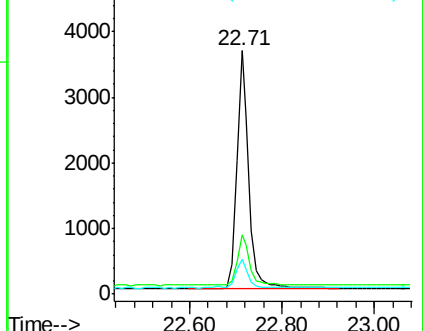
125 14.6 12.6 19.0

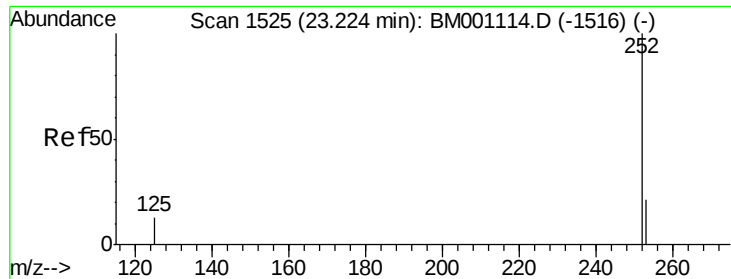


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.22 min Scan# 1525

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

Instrument :

BNA_M

ClientSampleId :

X1Q38

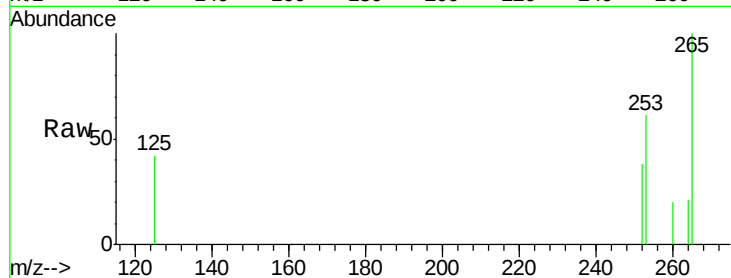
Tgt Ion: 252 Resp: 22

Ion Ratio Lower Upper

252 100

253 160.9 21.4 32.0#

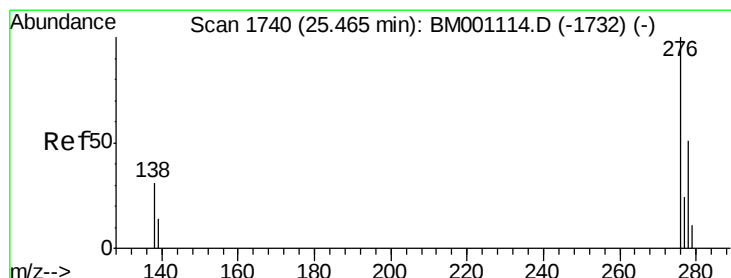
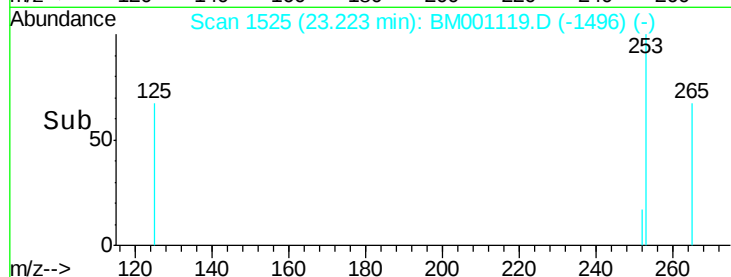
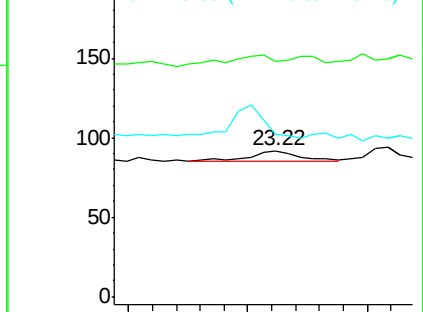
125 110.9 13.8 20.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.75 ng/ul

RT: 25.46 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BM001119.D

Acq: 27 Apr 2015 14:51

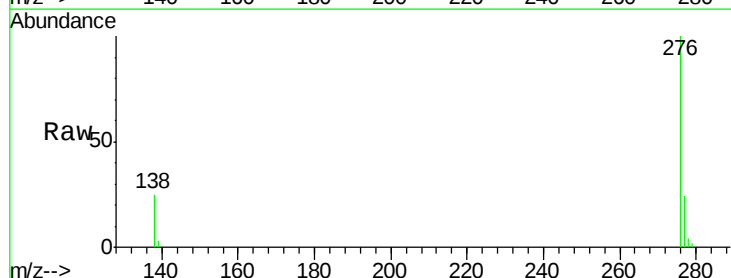
Tgt Ion: 276 Resp: 10471

Ion Ratio Lower Upper

276 100

138 24.0 25.0 37.4#

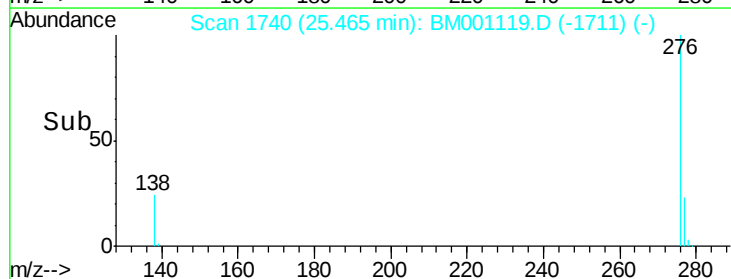
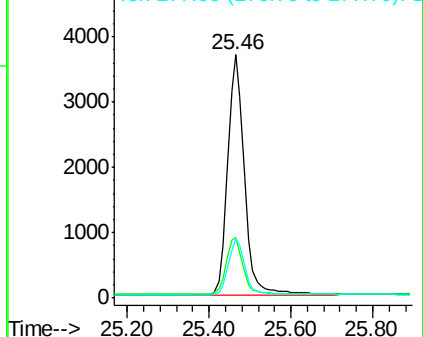
277 23.1 19.9 29.9

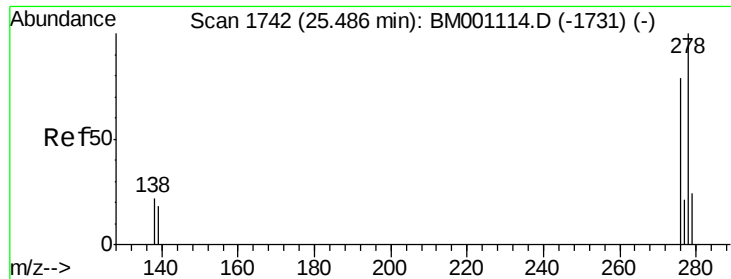


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

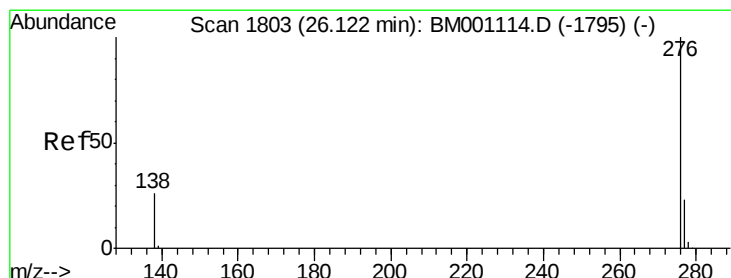
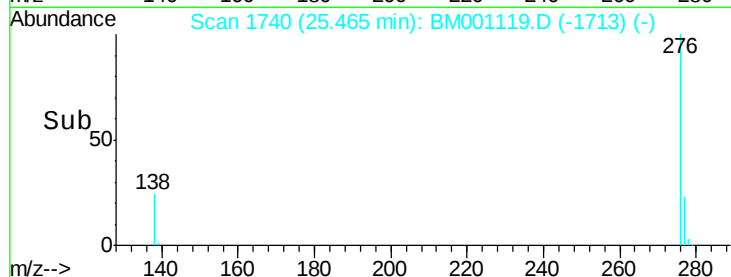
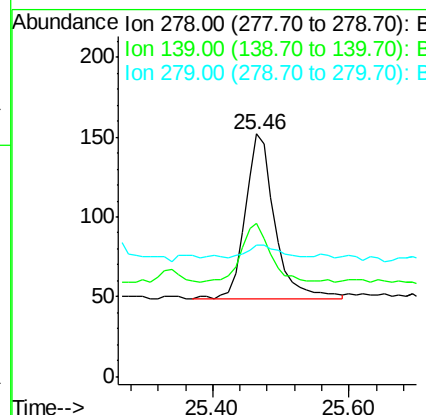
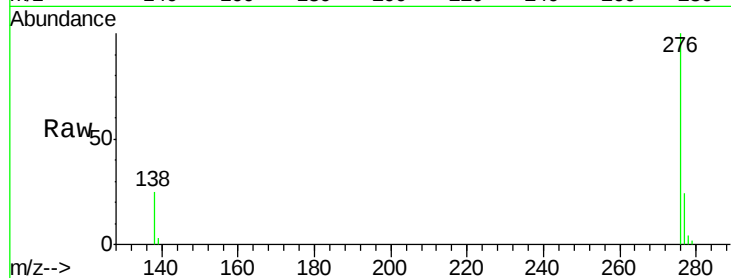




#25
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.46 min Scan# 1740
Delta R.T. -0.02 min
Lab File: BM001119.D
Acq: 27 Apr 2015 14:51

Instrument :
BNA_M
ClientSampleId :
X1Q38

Tgt Ion: 278 Resp: 310
Ion Ratio Lower Upper
278 100
139 63.2 17.3 25.9#
279 53.9 22.2 33.4#



#26
Benzo(g,h,i)perylene
Concen: 0.96 ng/ul
RT: 26.12 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BM001119.D
Acq: 27 Apr 2015 14:51

Tgt Ion: 276 Resp: 11685
Ion Ratio Lower Upper
276 100
277 24.5 20.5 30.7
138 27.2 23.5 35.3

