

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042715\
 Data File : BM001121.D
 Acq On : 27 Apr 2015 17:48
 Operator : TP/IZ
 Sample : G1998-03DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1Q38DL

Quant Time: Apr 28 01:38:10 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	1048	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	3516	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	1793	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4062	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	3681	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	3534	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	872	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1803	0.19	ng/ul	0.00

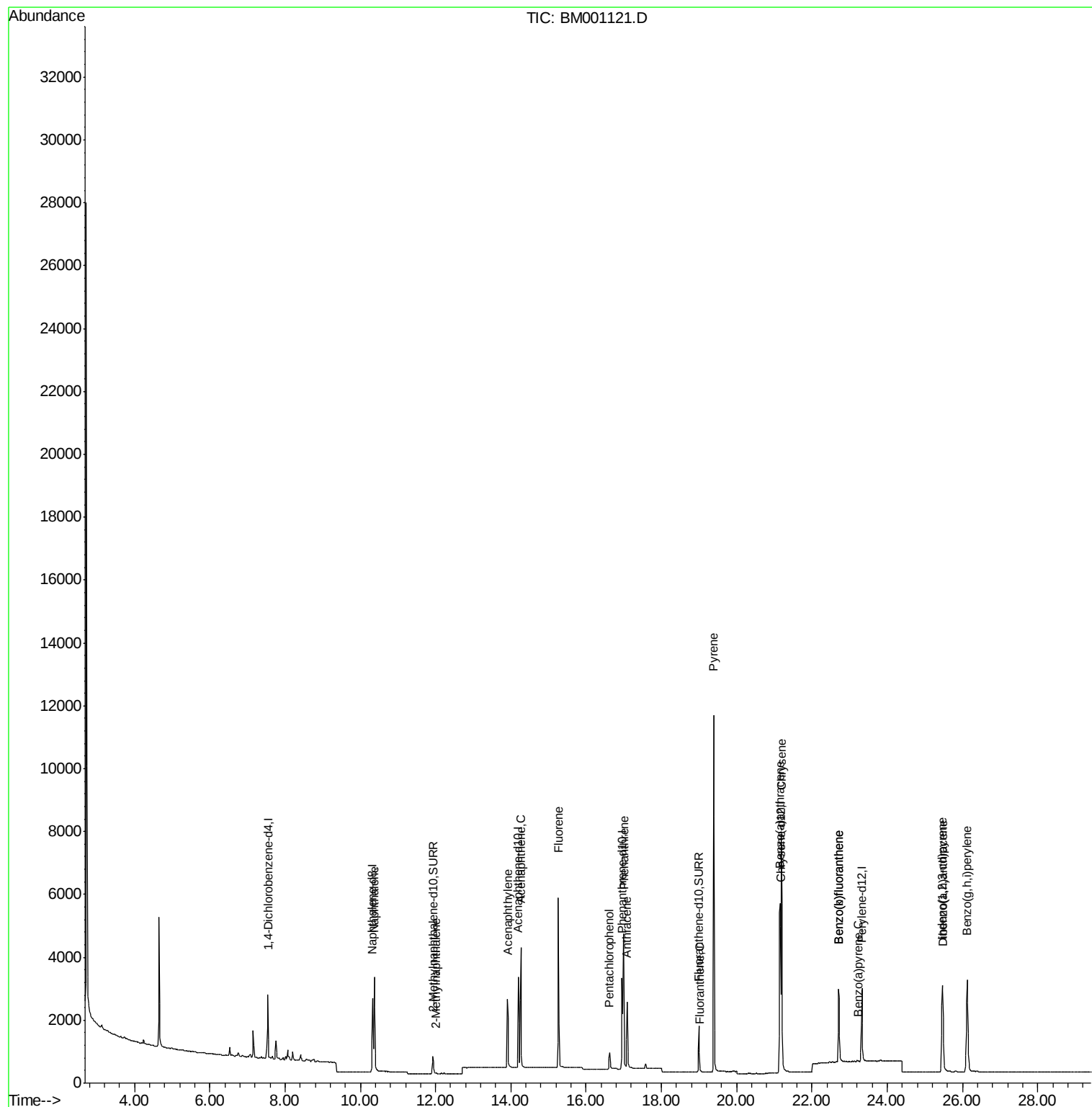
Target Compounds				Qvalue		
3) Naphthalene	10.37	128	4332	0.48	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	9	0.00	ng/ul#	5
7) Acenaphthylene	13.91	152	3357	0.41	ng/ul	99
8) Acenaphthene	14.27	153	2605	0.41	ng/ul	98
9) Fluorene	15.26	166	3643	0.50	ng/ul	95
11) Pentachlorophenol	16.63	266	521	0.69	ng/ul	99
12) Phenanthrene	17.00	178	4822	0.41	ng/ul	98
13) Anthracene	17.09	178	2742	0.25	ng/ul	98
15) Fluoranthene	19.02	202	17	0.00	ng/ul#	1
17) Pyrene	19.39	202	11479	0.84	ng/ul	98
18) Benzo(a)anthracene	21.14	228	4949	0.42	ng/ul	99
19) Chrysene	21.19	228	7337	0.57	ng/ul	100
21) Benzo(b)fluoranthene	22.71	252	3422	0.27	ng/ul	95
22) Benzo(k)fluoranthene	22.71	252	3422	0.26	ng/ul	96
23) Benzo(a)pyrene	23.22	252	34	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.47	276	5489	0.39	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.48	278	179	0.02	ng/ul#	5
26) Benzo(g,h,i)perylene	26.12	276	6096	0.49	ng/ul	99

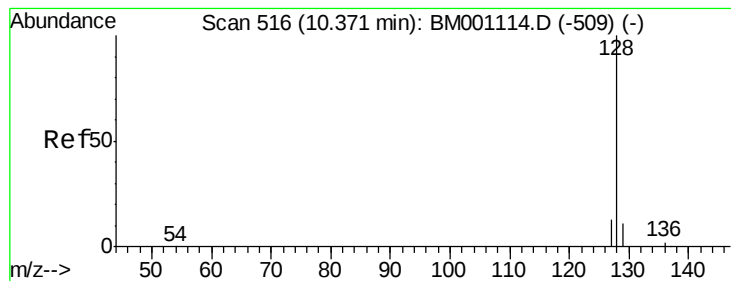
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.48 ng/ul

RT: 10.37 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL

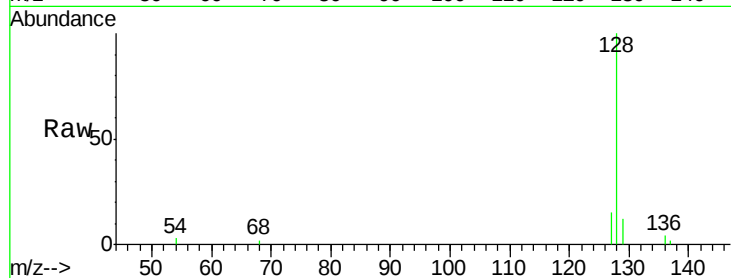
Tgt Ion:128 Resp: 4332

Ion Ratio Lower Upper

128 100

129 12.4 10.2 15.4

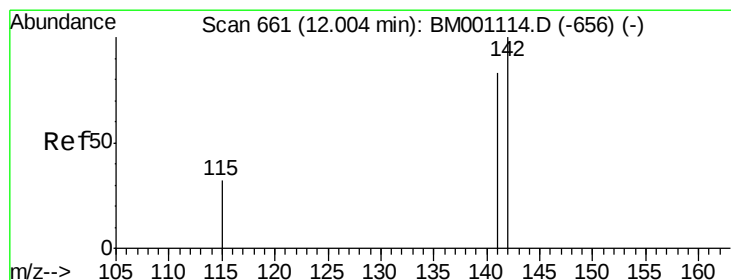
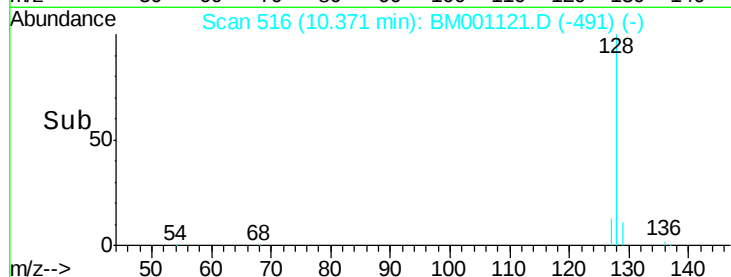
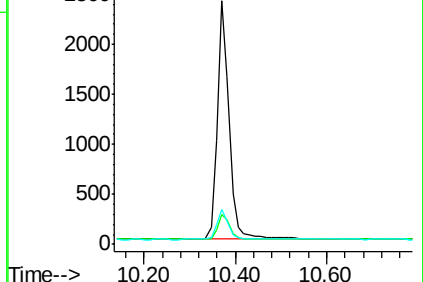
127 14.5 11.7 17.5



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: BM001121.D

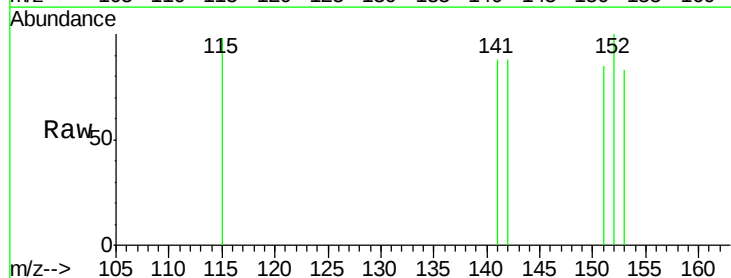
Acq: 27 Apr 2015 17:48

Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

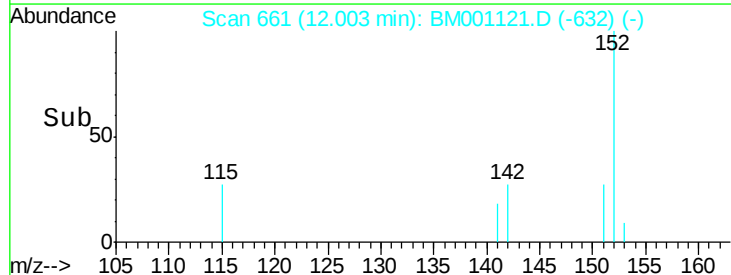
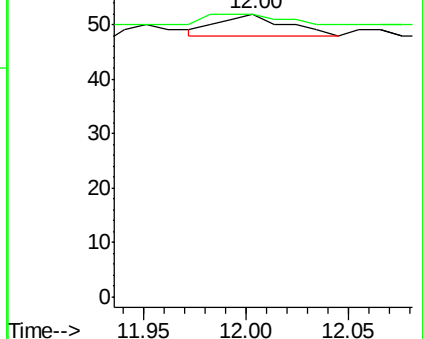
142 100

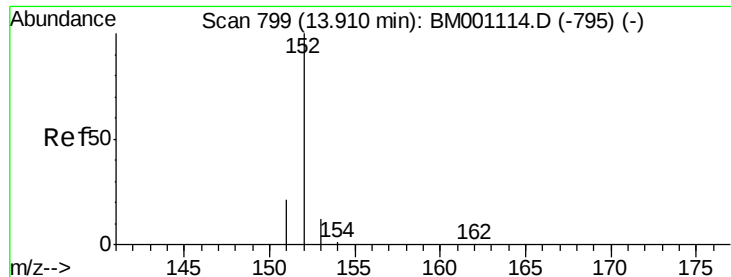
141 0.0 70.6 106.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 13.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL

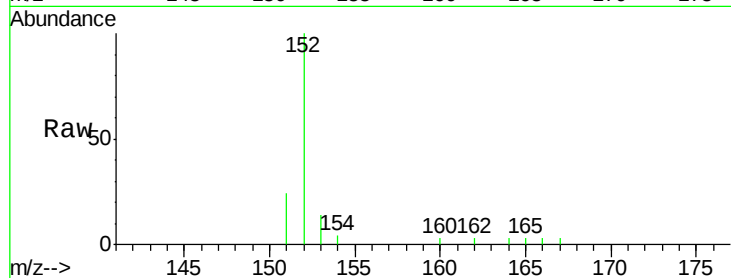
Tgt Ion:152 Resp: 3357

Ion Ratio Lower Upper

152 100

151 23.6 18.7 28.1

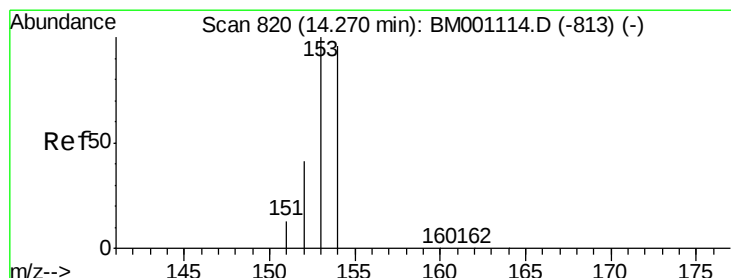
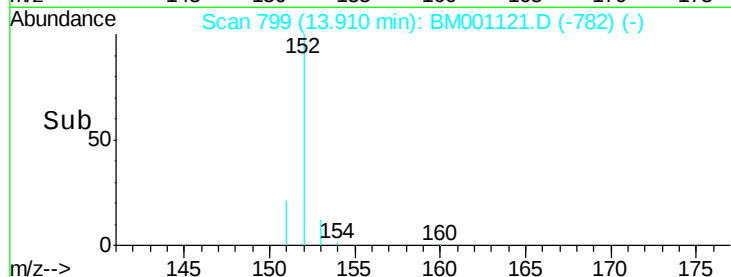
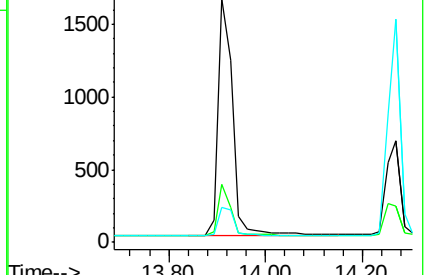
153 14.1 11.6 17.4



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: 0.41 ng/ul

RT: 14.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

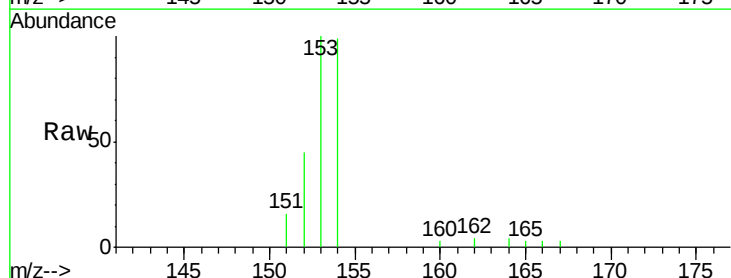
Tgt Ion:153 Resp: 2605

Ion Ratio Lower Upper

153 100

152 45.4 35.1 52.7

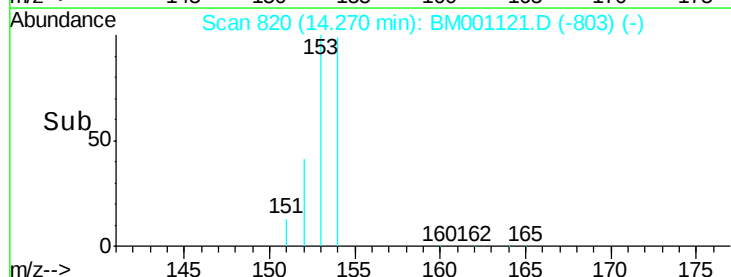
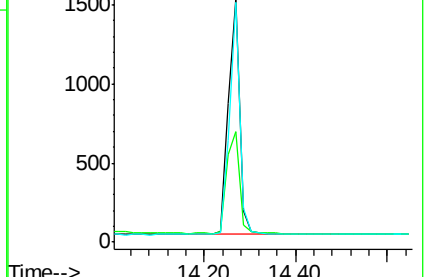
154 98.5 77.0 115.4

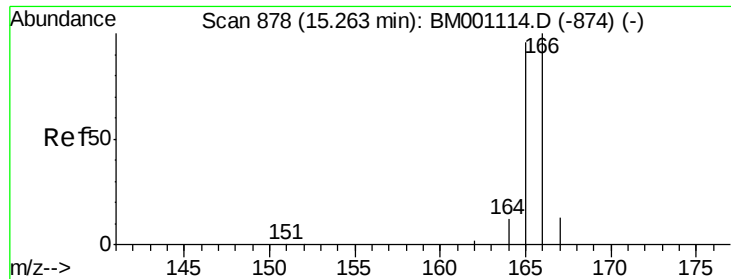


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.50 ng/ul

RT: 15.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL

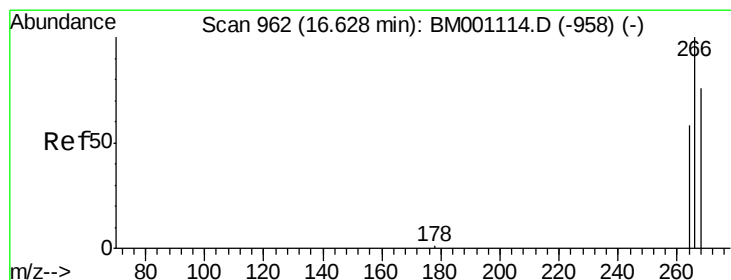
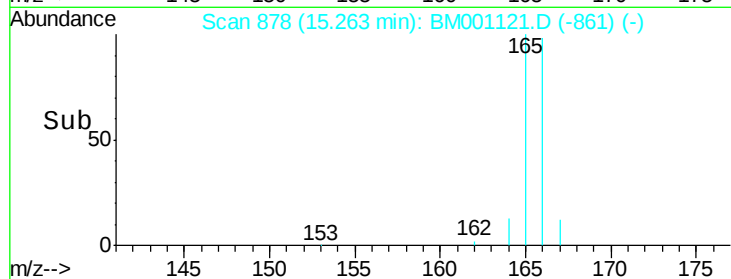
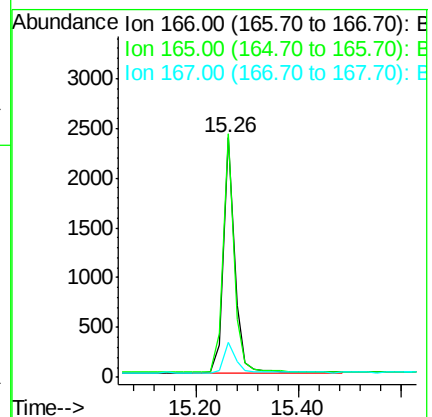
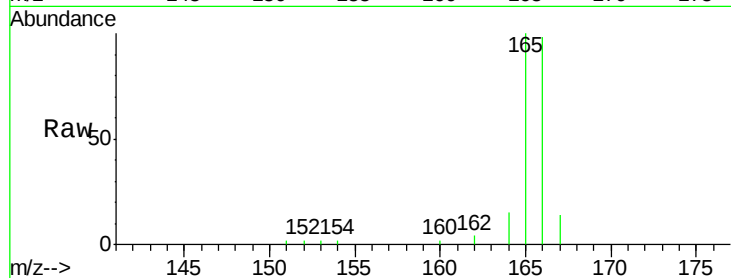
Tgt Ion:166 Resp: 3643

Ion Ratio Lower Upper

166 100

165 101.7 76.8 115.2

167 14.4 12.6 18.8



#11

Pentachlorophenol

Concen: 0.69 ng/ul

RT: 16.63 min Scan# 962

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

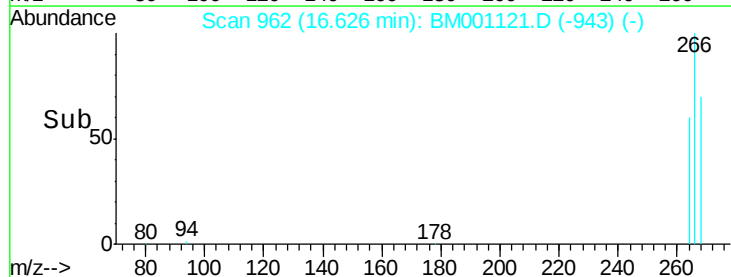
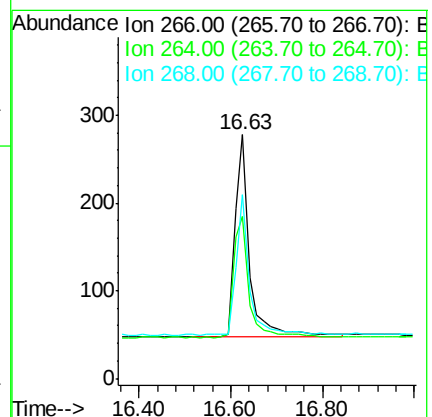
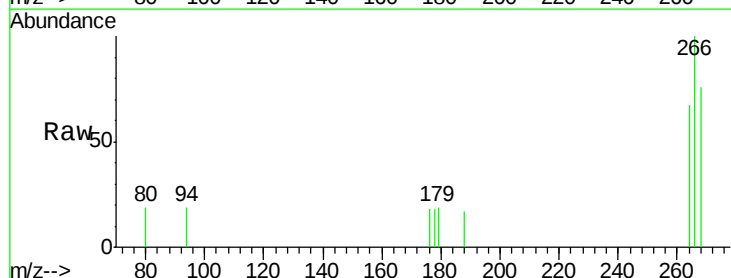
Tgt Ion:266 Resp: 521

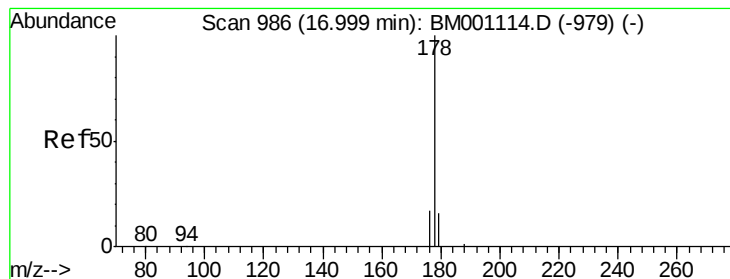
Ion Ratio Lower Upper

266 100

264 63.7 51.3 76.9

268 64.3 52.2 78.4





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.00 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL

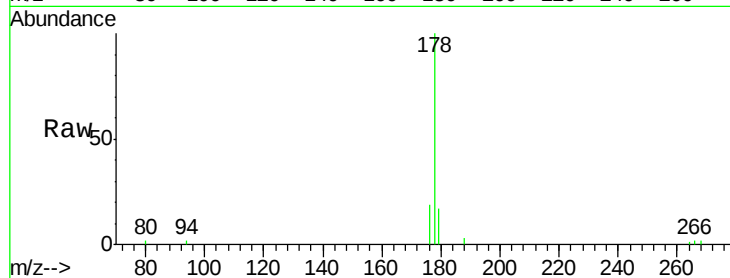
Tgt Ion:178 Resp: 4822

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

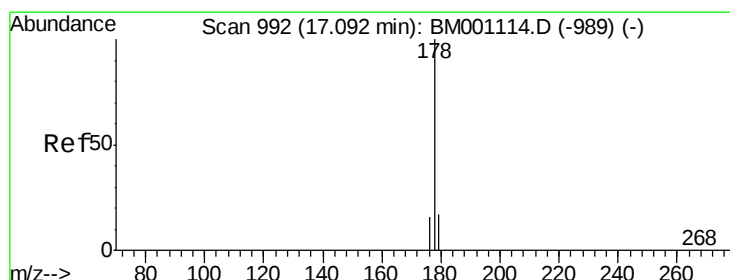
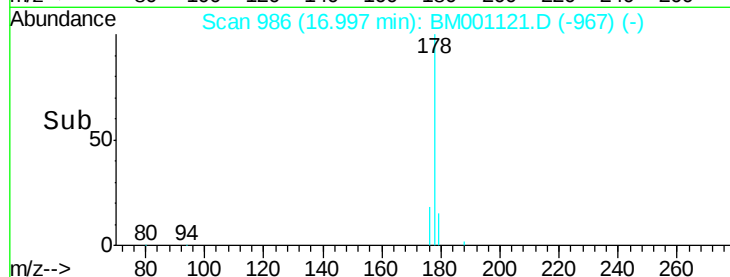
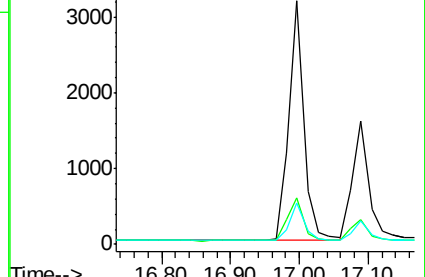
179 16.8 14.2 21.4



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: 0.25 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. -0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

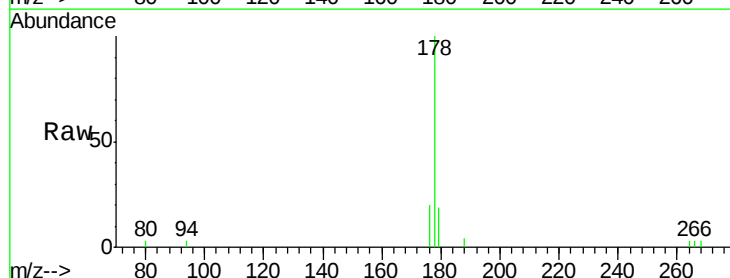
Tgt Ion:178 Resp: 2742

Ion Ratio Lower Upper

178 100

176 19.9 14.7 22.1

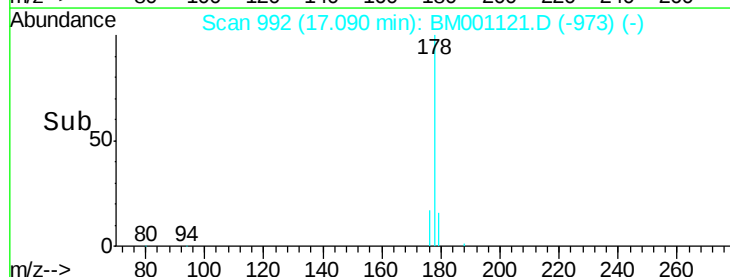
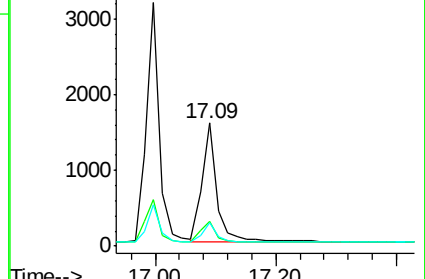
179 18.8 15.0 22.6

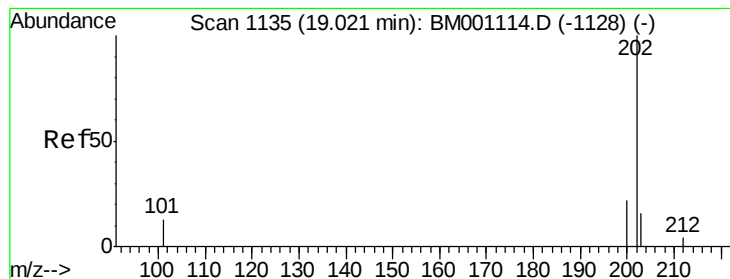


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL

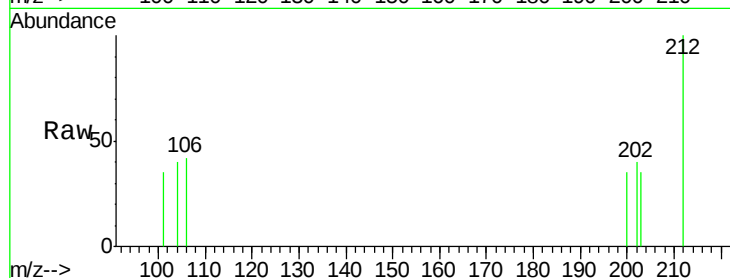
Tgt Ion:202 Resp: 17

Ion Ratio Lower Upper

202 100

101 87.9 0.0 33.8#

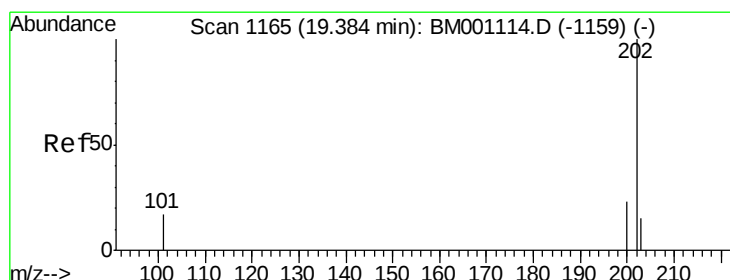
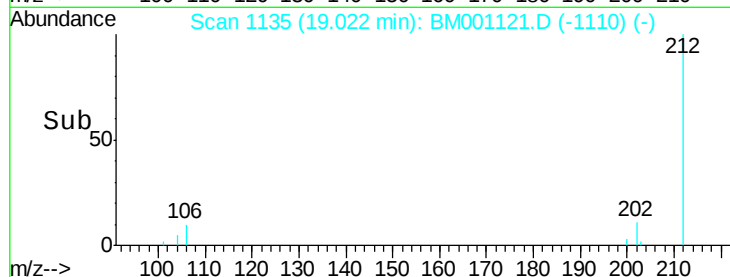
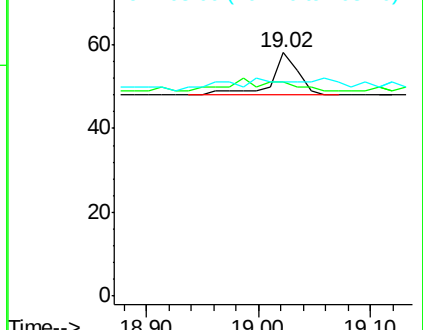
203 87.9 0.0 37.2#



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: 0.84 ng/ul

RT: 19.39 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

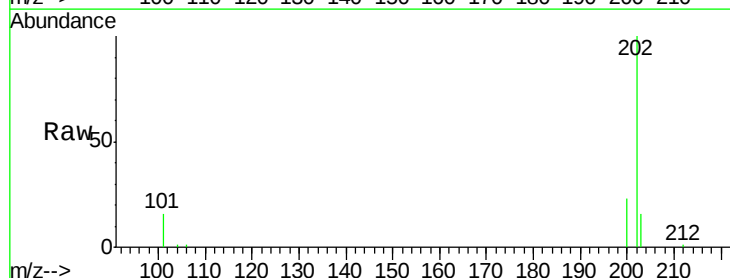
Tgt Ion:202 Resp: 11479

Ion Ratio Lower Upper

202 100

200 22.9 19.2 28.8

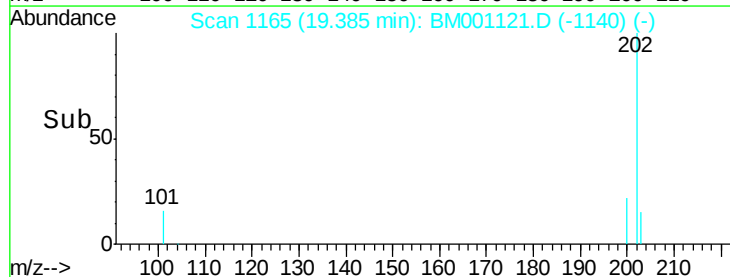
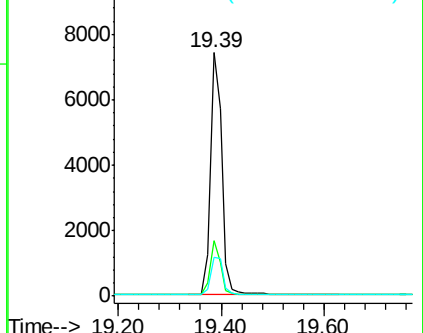
203 15.9 13.2 19.8

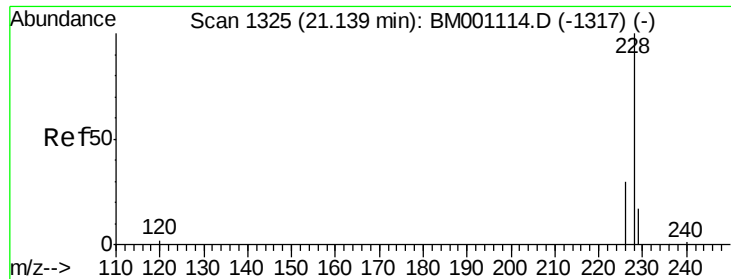


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.14 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

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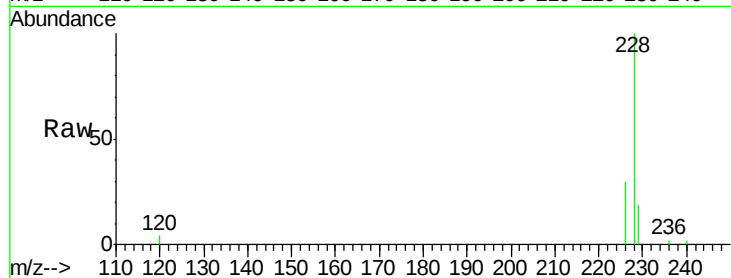
Tgt Ion:228 Resp: 4949

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

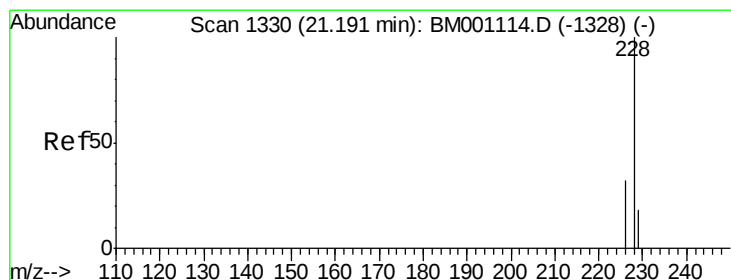
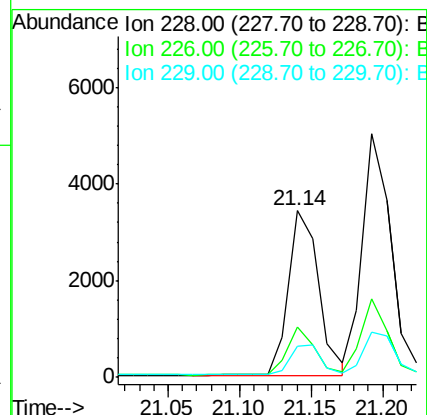
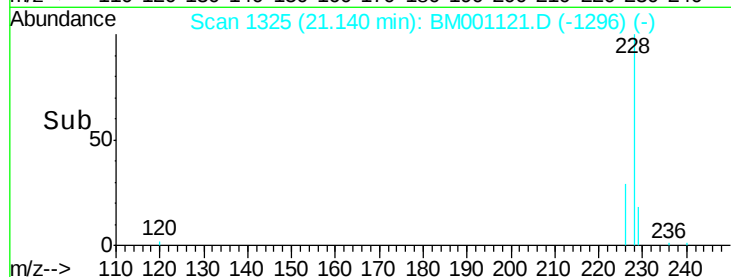
229 18.8 15.0 22.4



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: 0.57 ng/ul

RT: 21.19 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

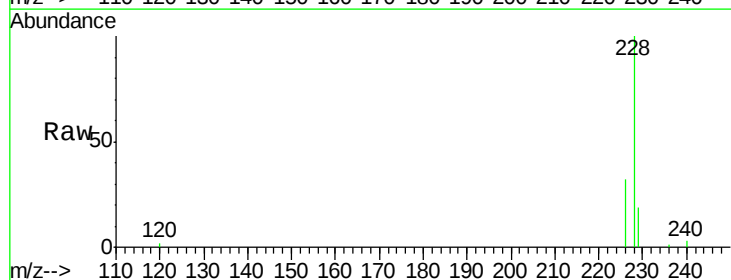
Tgt Ion:228 Resp: 7337

Ion Ratio Lower Upper

228 100

226 32.4 26.0 39.0

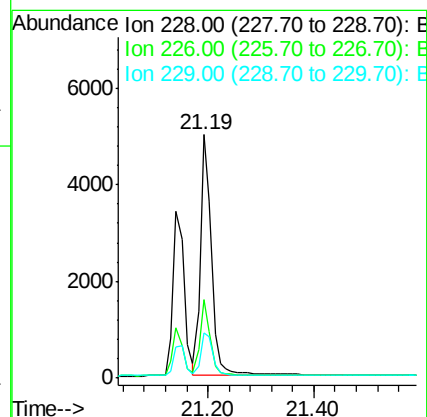
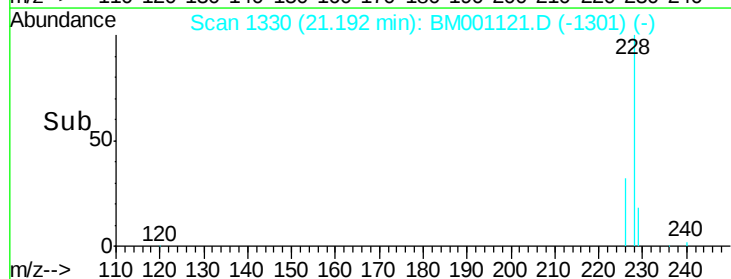
229 18.7 15.2 22.8

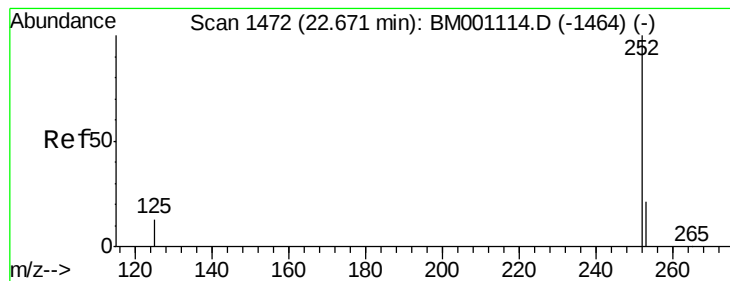


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.27 ng/ul

RT: 22.71 min Scan# 1476

Delta R.T. 0.04 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

Instrument :

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ClientSampleId :

X1Q38DL

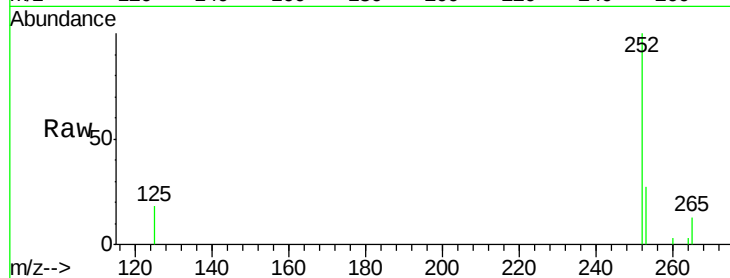
Tgt Ion:252 Resp: 3422

Ion Ratio Lower Upper

252 100

253 27.3 0.0 49.8

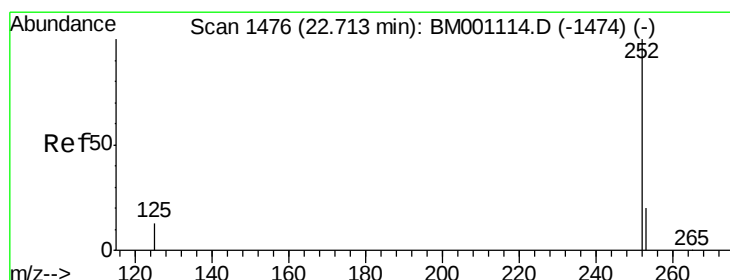
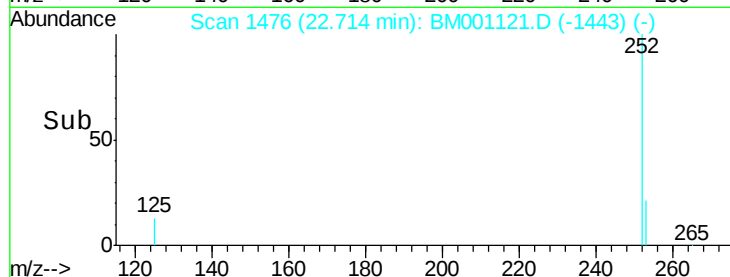
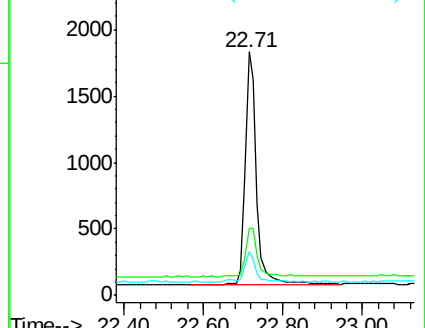
125 17.9 0.0 31.6



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: 0.26 ng/ul

RT: 22.71 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

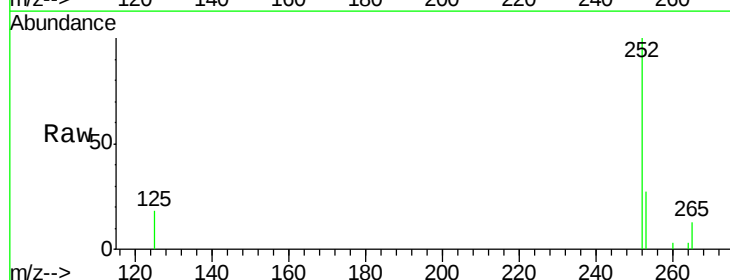
Tgt Ion:252 Resp: 3422

Ion Ratio Lower Upper

252 100

253 27.3 20.3 30.5

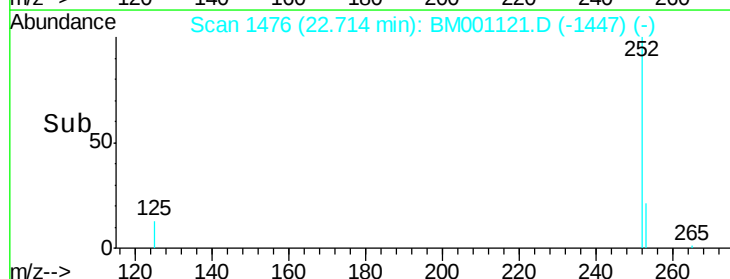
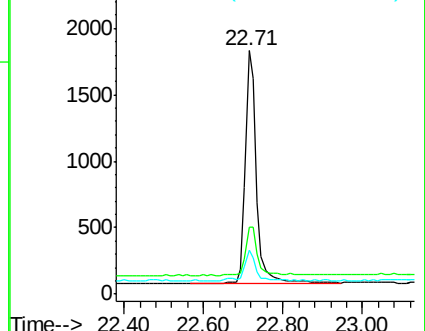
125 17.9 12.6 19.0

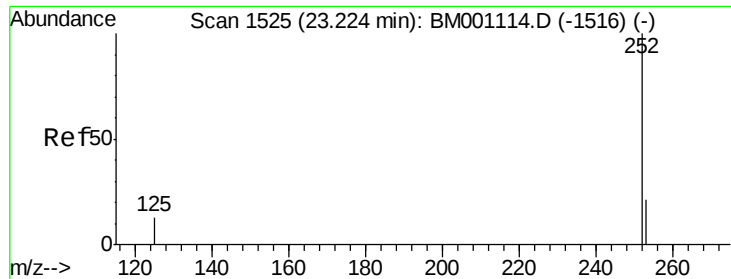


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM001121.D

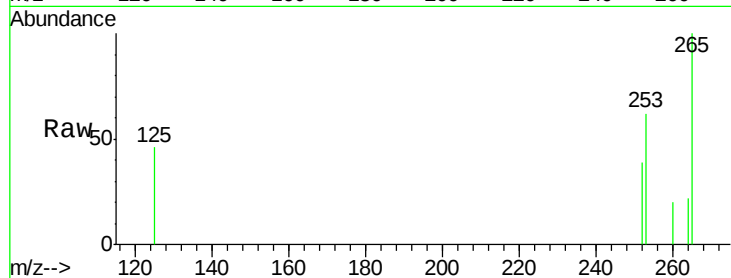
Acq: 27 Apr 2015 17:48

Instrument :

BNA_M

ClientSampleId :

X1Q38DL



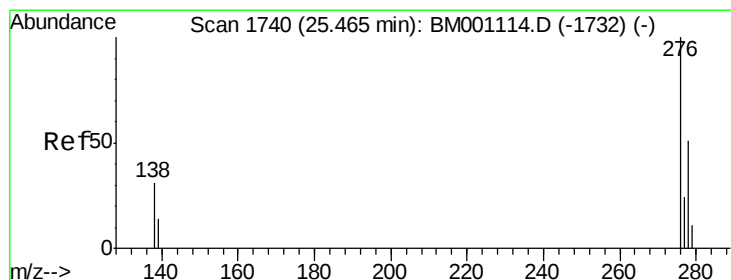
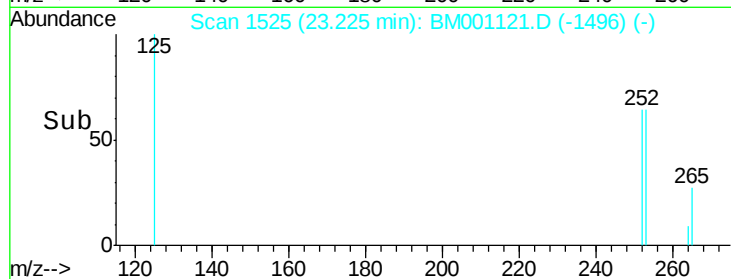
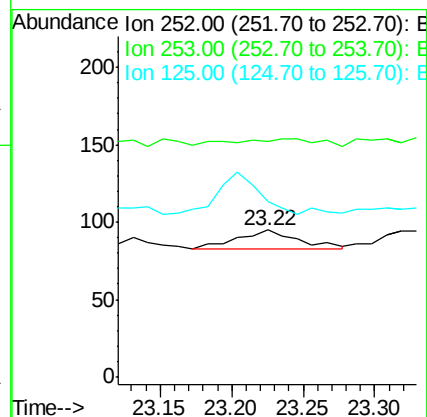
Tgt Ion:252 Resp: 34

Ion Ratio Lower Upper

252 100

253 160.0 21.4 32.0#

125 118.9 13.8 20.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 25.47 min Scan# 1740

Delta R.T. 0.00 min

Lab File: BM001121.D

Acq: 27 Apr 2015 17:48

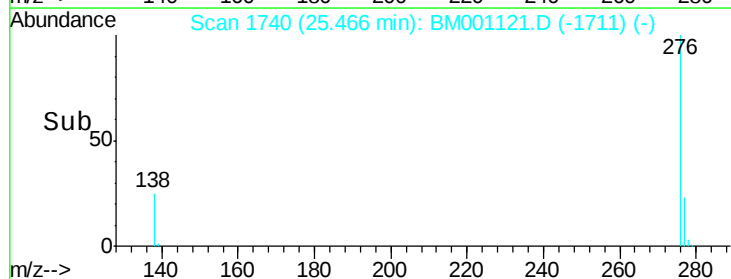
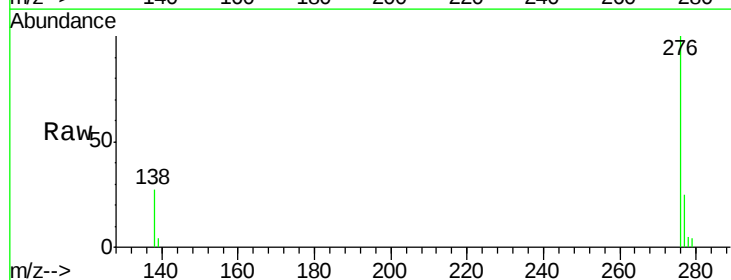
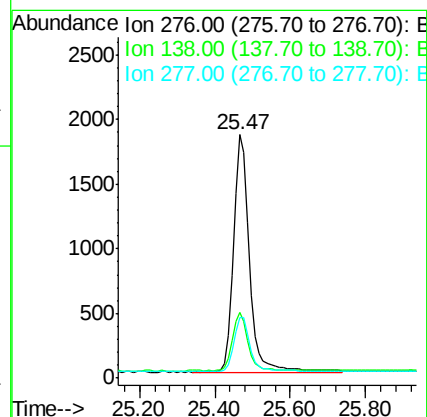
Tgt Ion:276 Resp: 5489

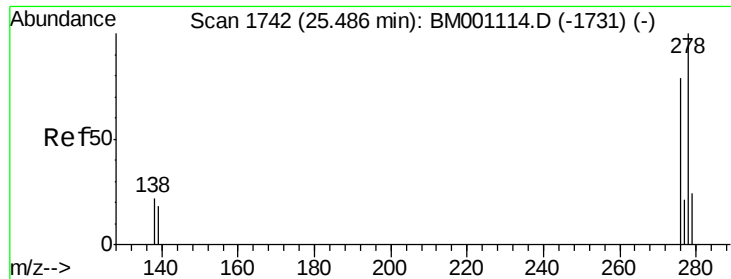
Ion Ratio Lower Upper

276 100

138 24.3 25.0 37.4#

277 23.4 19.9 29.9

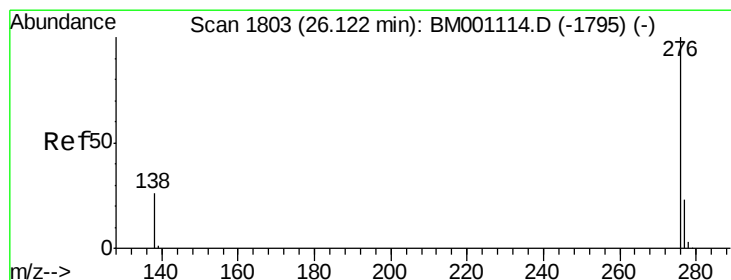
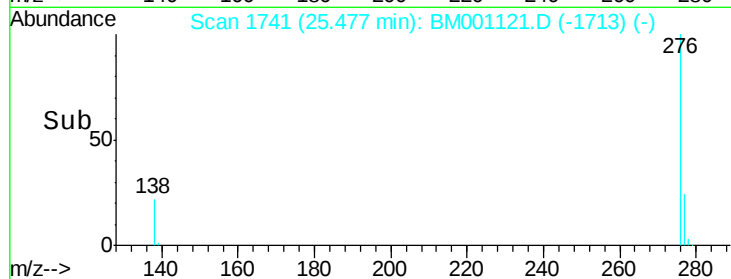
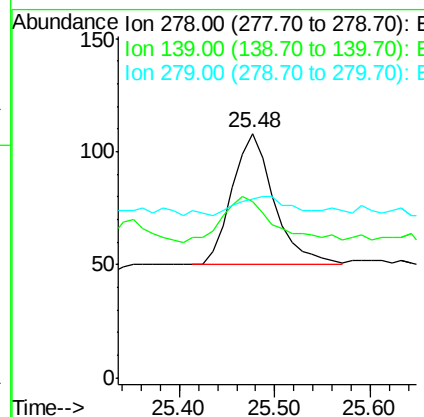
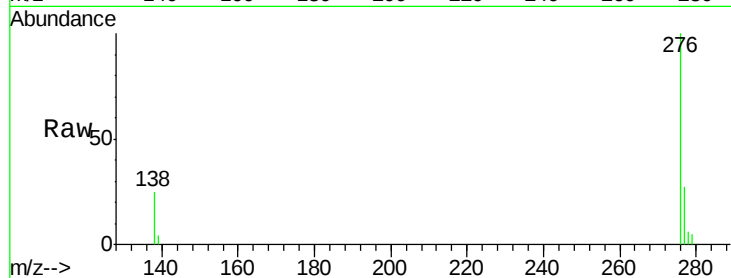




#25
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.48 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BM001121.D
Acq: 27 Apr 2015 17:48

Instrument :
BNA_M
ClientSampleId :
X1Q38DL

Tgt Ion: 278 Resp: 179
Ion Ratio Lower Upper
278 100
139 72.2 17.3 25.9#
279 73.1 22.2 33.4#



#26
Benzo(g,h,i)perylene
Concen: 0.49 ng/ul
RT: 26.12 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BM001121.D
Acq: 27 Apr 2015 17:48

Tgt Ion: 276 Resp: 6096
Ion Ratio Lower Upper
276 100
277 25.3 20.5 30.7
138 30.5 23.5 35.3

