

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Quant Time: Mar 25 03:21:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration

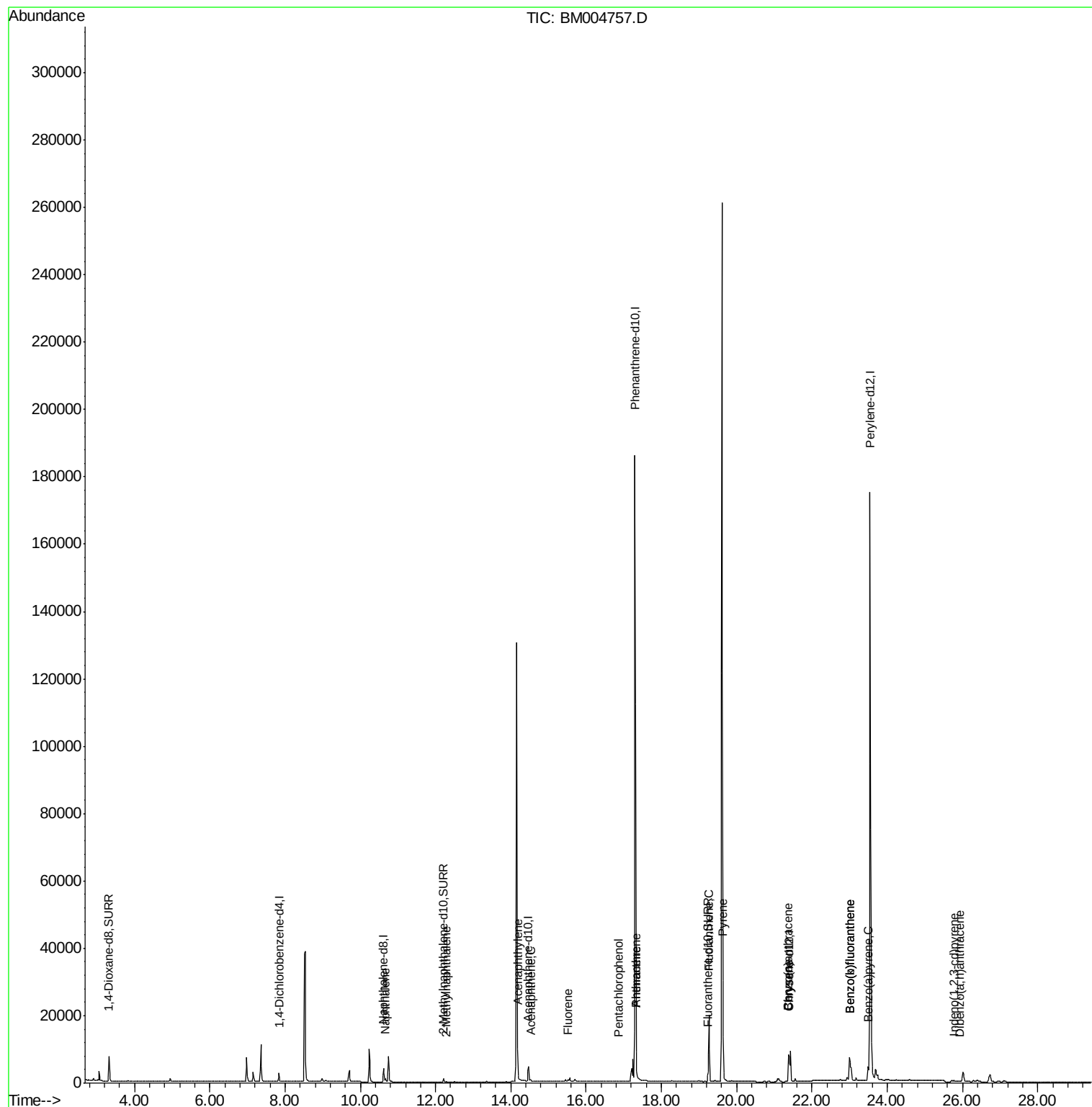
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1432	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5776	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2950	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	259826	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	5209	5.00	ng/ul	-0.01
22) Perylene-d12	23.55	264	240962	5.00	ng/ul	-0.16
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	5414	7.80	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1567	0.24	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	2995	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1255	0.09	ng/ul#	84
7) 2-Methylnaphthalene	12.29	142	205	0.02	ng/ul	95
9) Acenaphthylene	14.18	152	1169	0.11	ng/ul#	89
10) Acenaphthene	14.52	153	212	0.02	ng/ul#	83
11) Fluorene	15.51	166	394	0.04	ng/ul#	83
13) Pentachlorophenol	16.87	266	14	0.00	ng/ul#	31
14) Phenanthrene	17.33	178	1726	0.00	ng/ul#	86
15) Anthracene	17.33	178	1812	0.00	ng/ul#	86
17) Fluoranthene	19.27	202	18747	0.03	ng/ul	97
19) Pyrene	19.63	202	18658	1.03	ng/ul	98
20) Benzo(a)anthracene	21.38	228	7312	0.59	ng/ul#	92
21) Chrysene	21.38	228	7294	0.43	ng/ul	95
23) Benzo(b)fluoranthene	23.00	252	9984	0.01	ng/ul	93
24) Benzo(k)fluoranthene	23.00	252	15038	0.02	ng/ul#	95
25) Benzo(a)pyrene	23.49	252	6033	0.01	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	25.77	276	749	0.00	ng/ul	100
27) Dibenzo(a,h)anthracene	25.92	278	236	0.00	ng/ul#	1

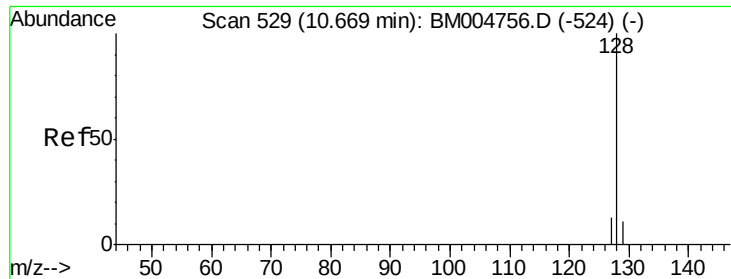
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.09 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

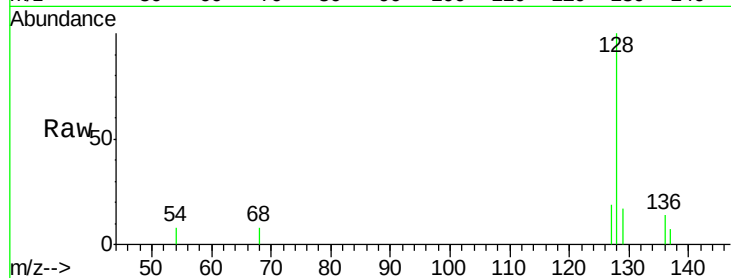
Tgt Ion:128 Resp: 1255

Ion Ratio Lower Upper

128 100

129 17.0 9.0 13.6#

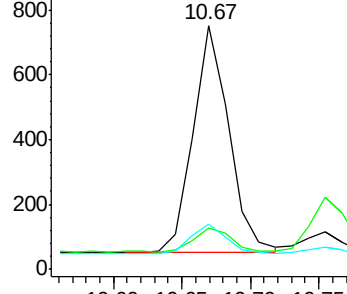
127 18.6 9.6 14.4#



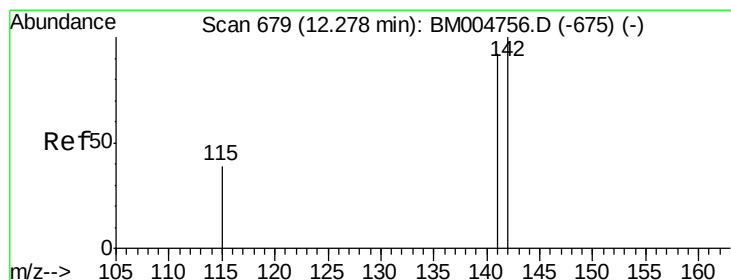
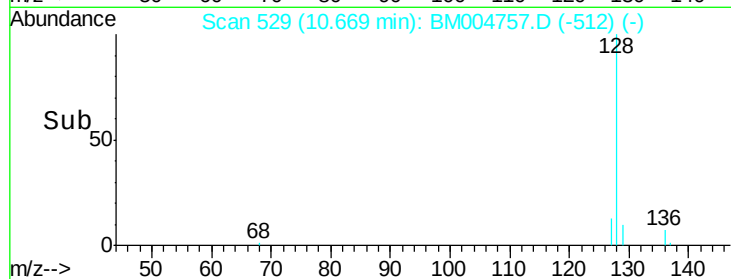
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004757.D

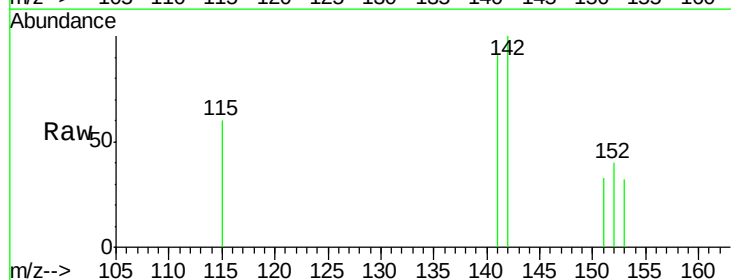
Acq: 24 Mar 2016 19:36

Tgt Ion:142 Resp: 205

Ion Ratio Lower Upper

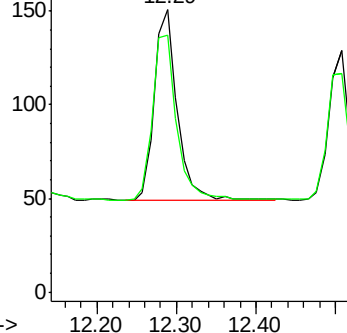
142 100

141 92.7 70.3 105.5

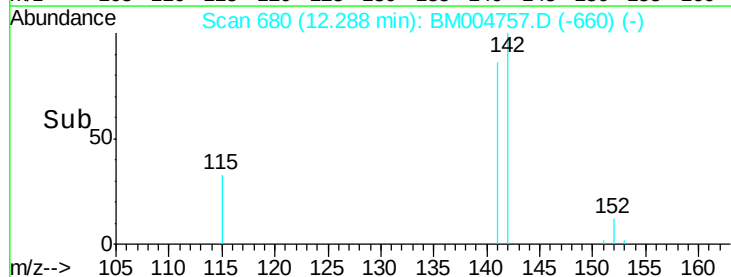


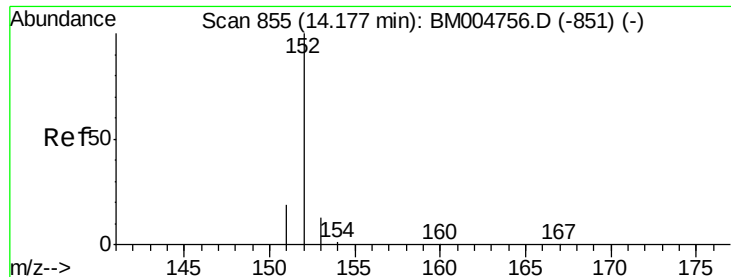
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

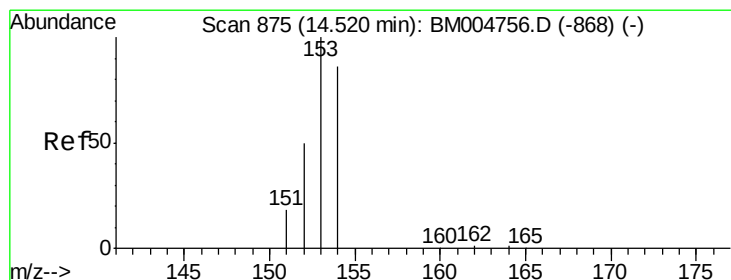
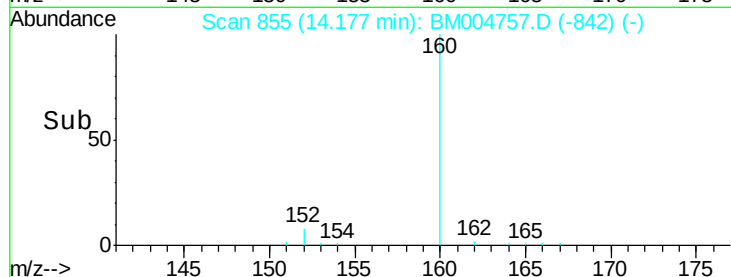
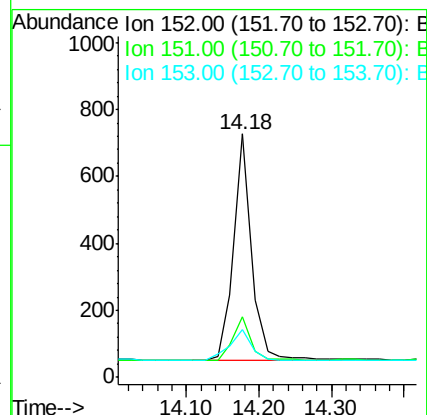
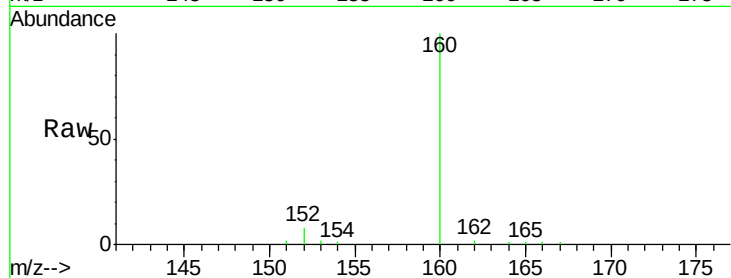
Tgt Ion:152 Resp: 1169

Ion Ratio Lower Upper

152 100

151 24.9 17.6 26.4

153 19.5 9.7 14.5#



#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

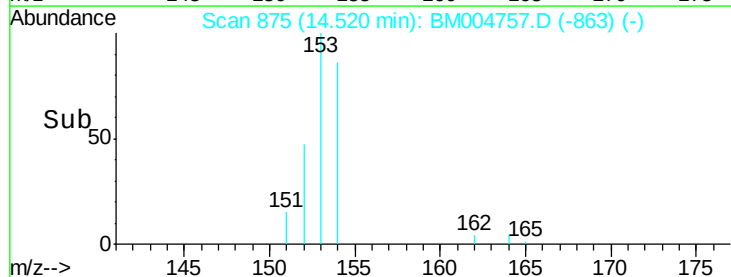
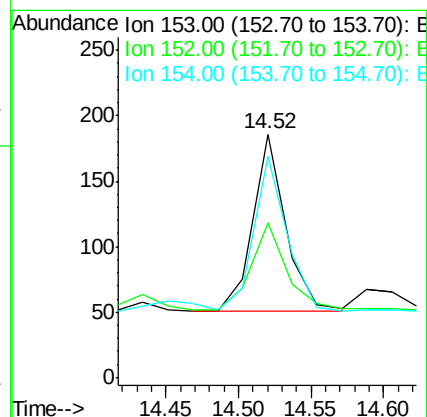
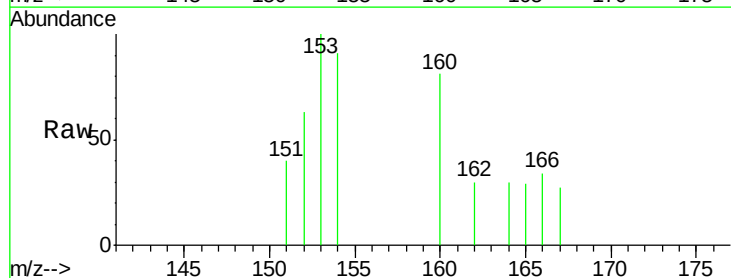
Tgt Ion:153 Resp: 212

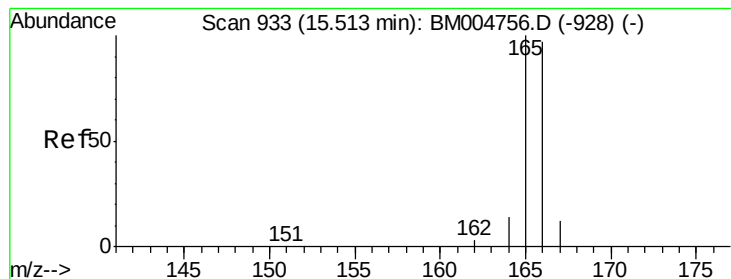
Ion Ratio Lower Upper

153 100

152 63.4 33.9 50.9#

154 90.9 80.6 121.0





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

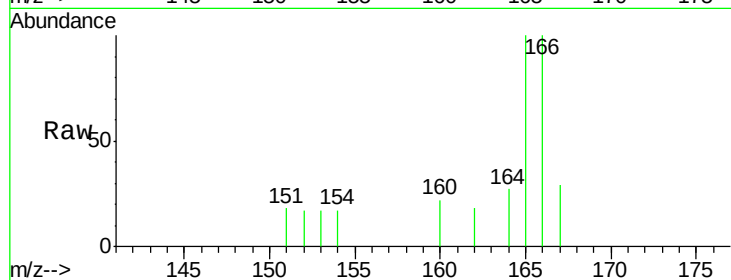
Tgt Ion:166 Resp: 394

Ion Ratio Lower Upper

166 100

165 99.7 69.6 104.4

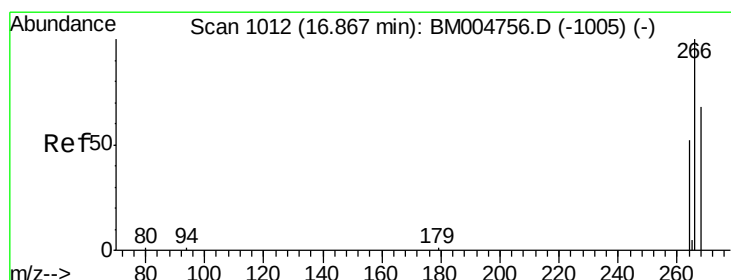
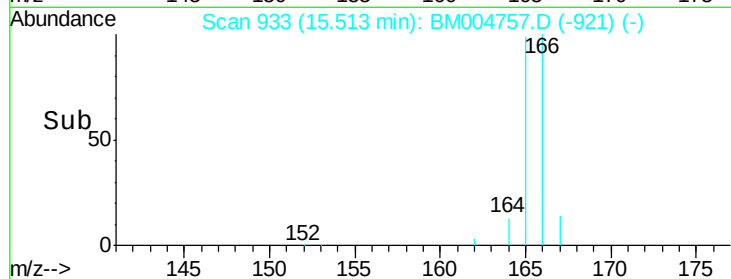
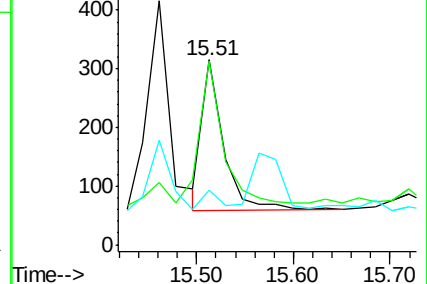
167 29.2 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

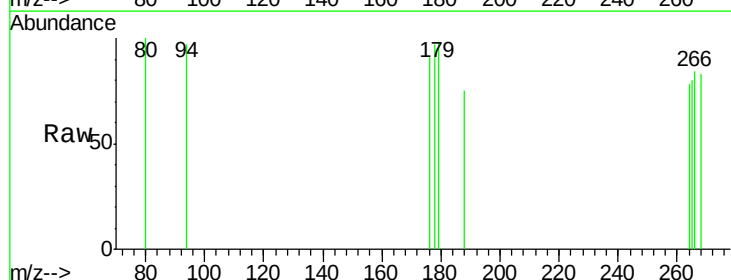
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 135.7 51.8 77.8#

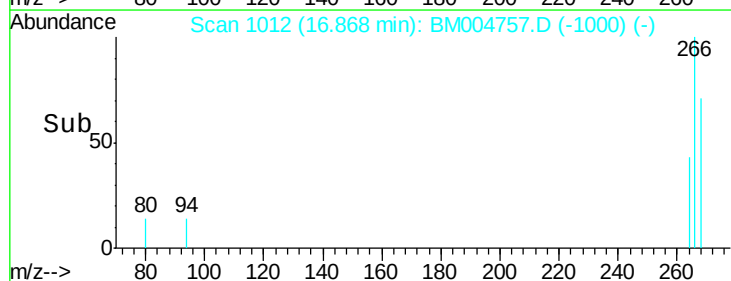
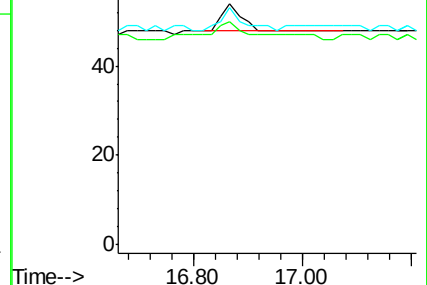
268 92.9 46.8 70.2#

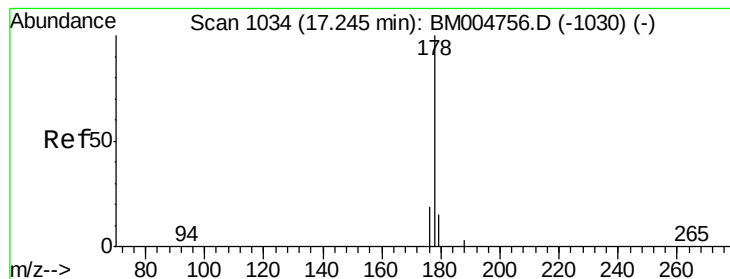


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

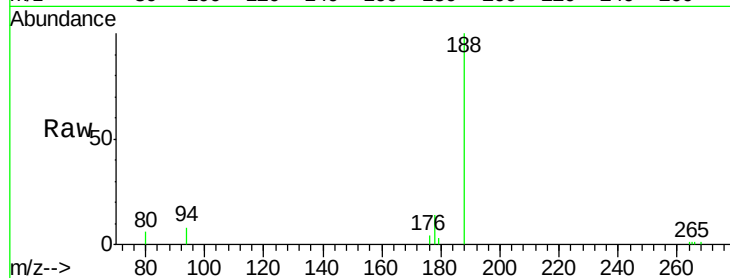
Tgt Ion:178 Resp: 1726

Ion Ratio Lower Upper

178 100

176 24.5 13.0 19.4#

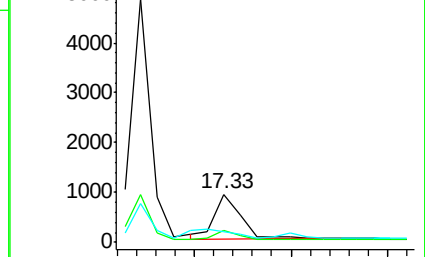
179 21.4 14.2 21.2#



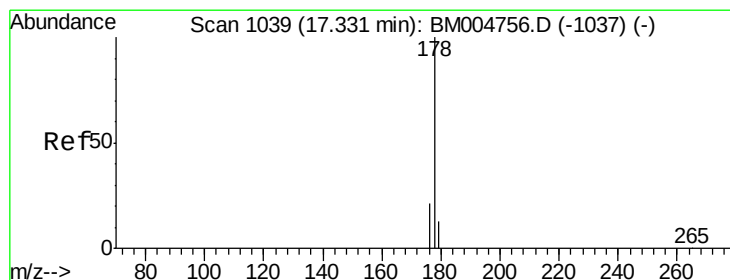
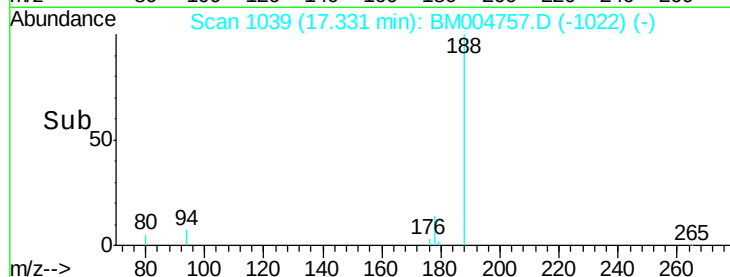
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

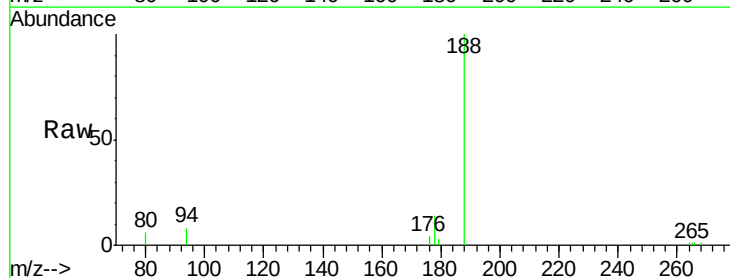
Tgt Ion:178 Resp: 1812

Ion Ratio Lower Upper

178 100

176 24.5 14.0 21.0#

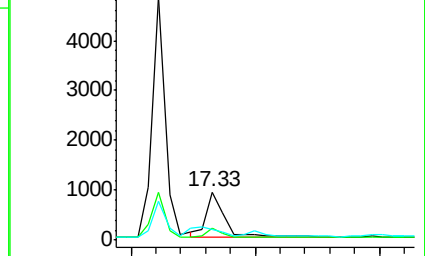
179 21.4 12.9 19.3#



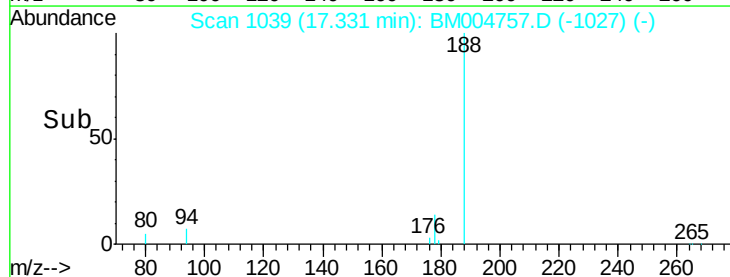
Abundance Ion 178.00 (177.70 to 178.70): E

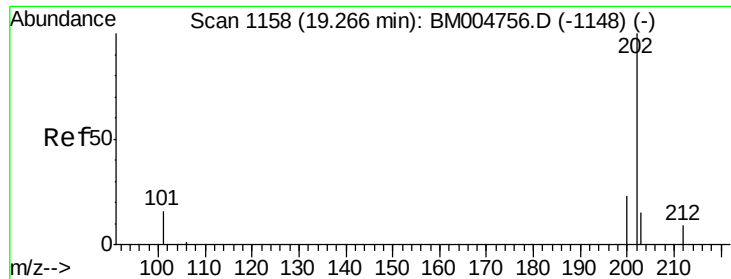
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

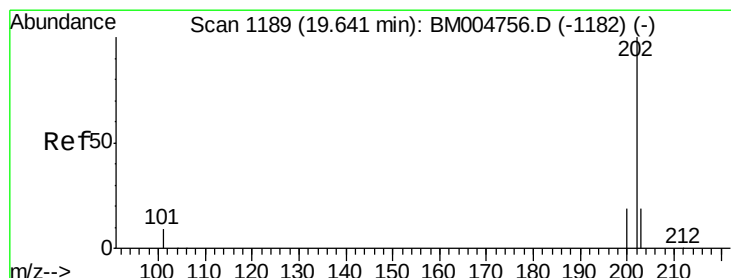
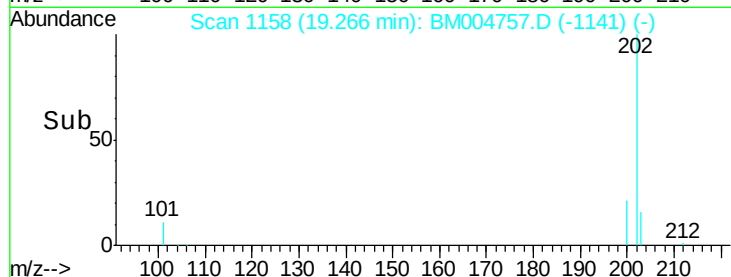
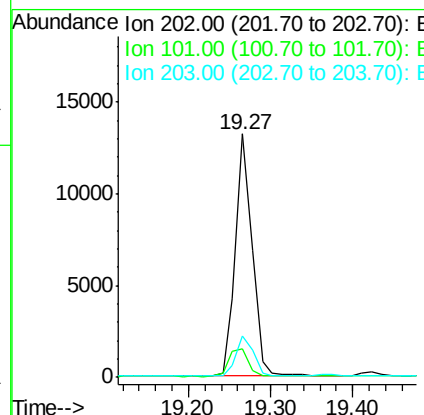
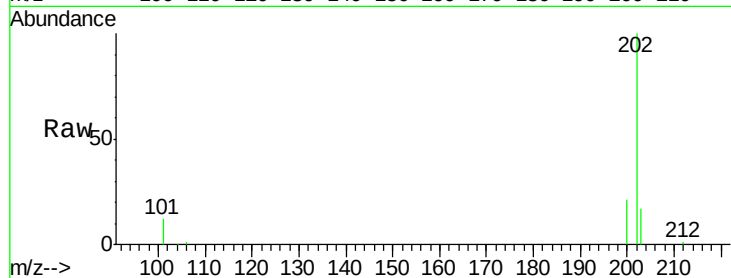




#17
Fluoranthene
Concen: 0.03 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BM004757.D
Acq: 24 Mar 2016 19:36

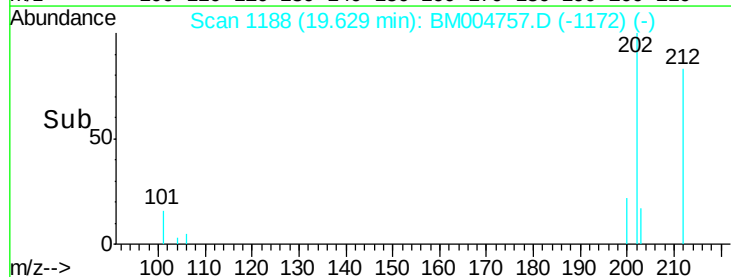
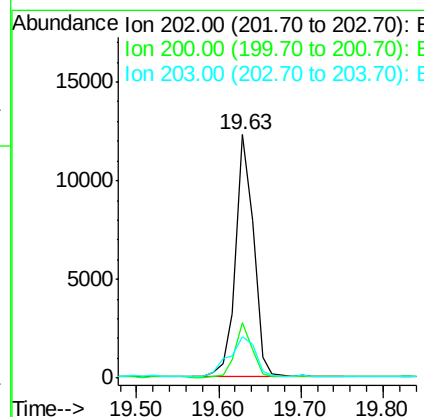
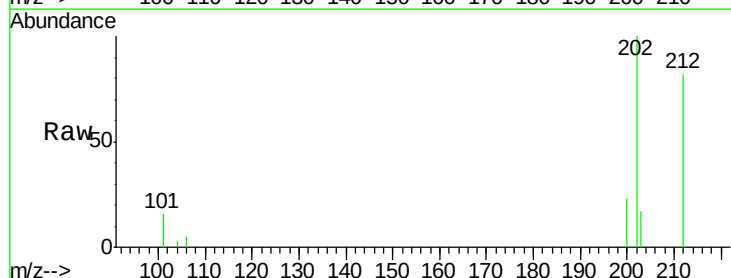
Instrument :
BNA_M
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A4T37

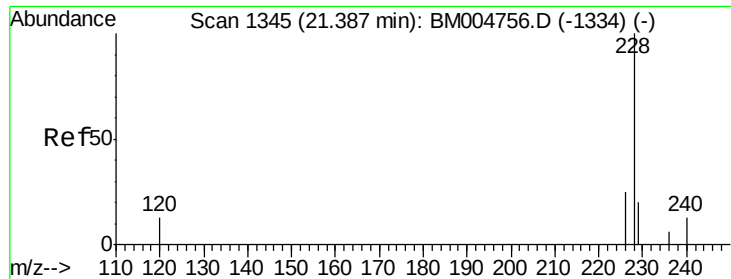
Tgt Ion:202 Resp: 18747
Ion Ratio Lower Upper
202 100
101 12.0 0.0 29.6
203 17.0 0.0 36.3



#19
Pyrene
Concen: 1.03 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BM004757.D
Acq: 24 Mar 2016 19:36

Tgt Ion:202 Resp: 18658
Ion Ratio Lower Upper
202 100
200 22.6 17.8 26.8
203 17.2 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.59 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

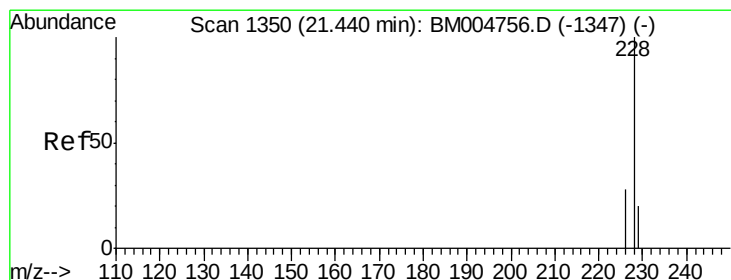
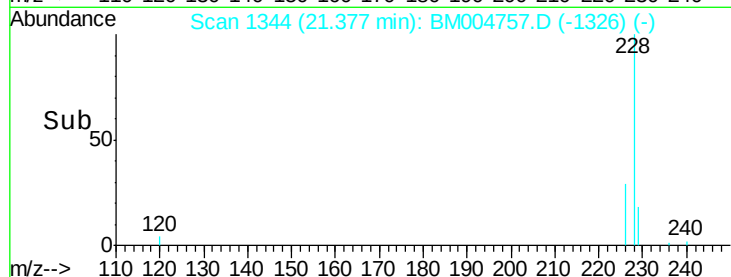
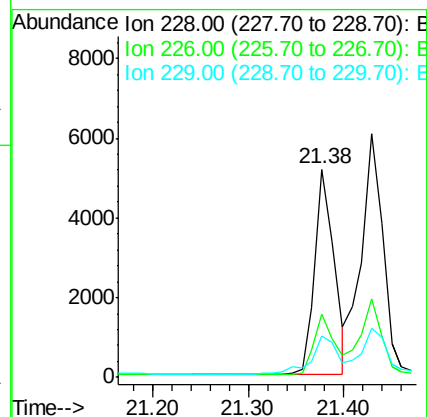
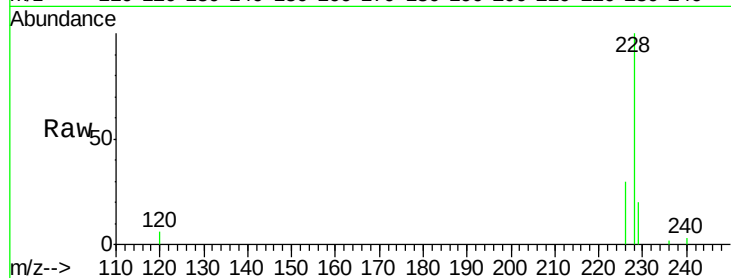
Tgt Ion:228 Resp: 7312

Ion Ratio Lower Upper

228 100

226 30.3 18.8 28.2#

229 20.2 17.1 25.7



#21

Chrysene

Concen: 0.43 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.06 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

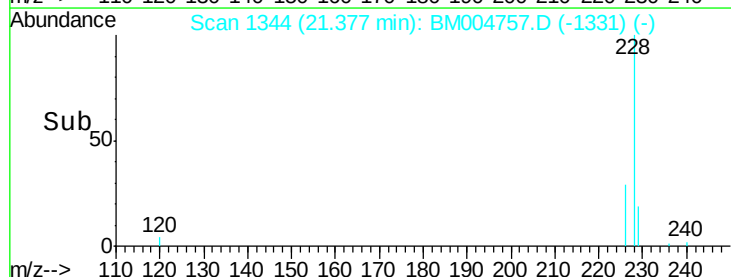
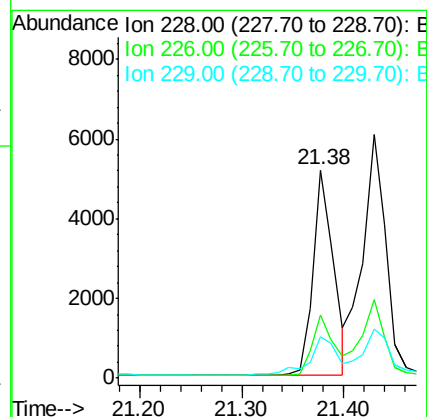
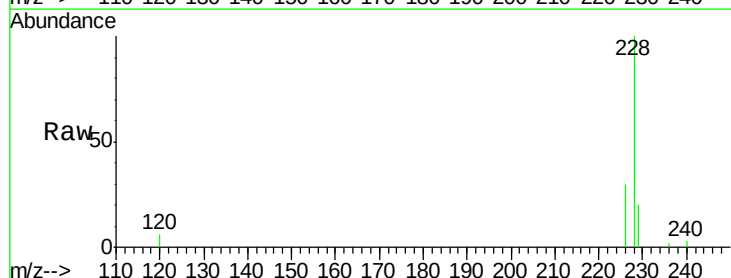
Tgt Ion:228 Resp: 7294

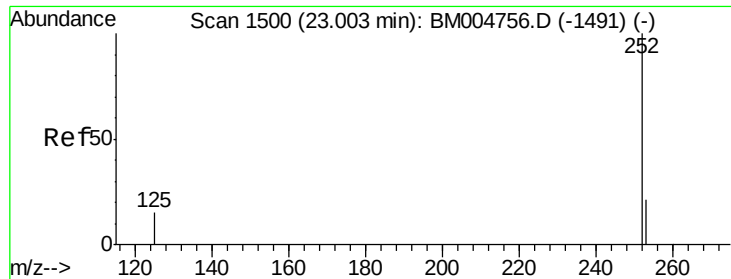
Ion Ratio Lower Upper

228 100

226 30.3 21.2 31.8

229 20.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 23.00 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

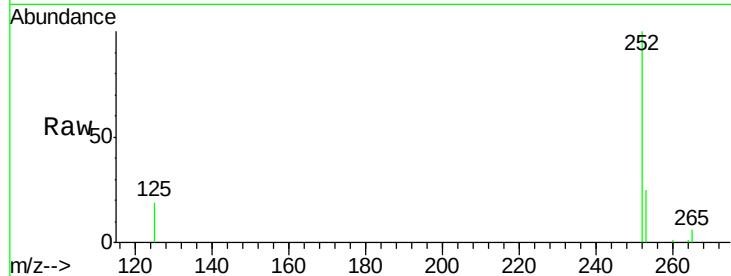
Tgt Ion:252 Resp: 9984

Ion Ratio Lower Upper

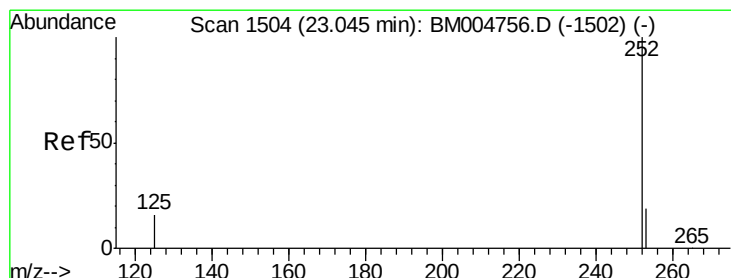
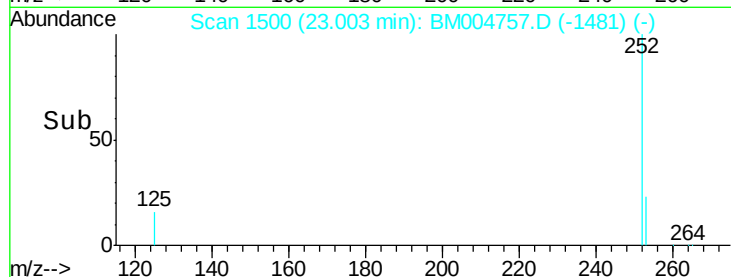
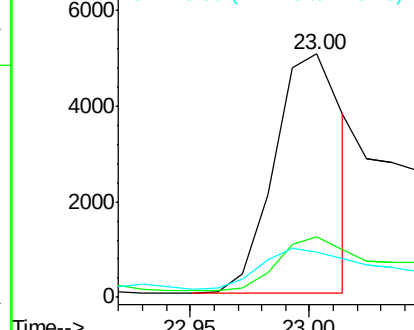
252 100

253 24.8 0.0 45.4

125 18.8 0.0 28.8



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

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 23.00 min Scan# 1500

Delta R.T. -0.04 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

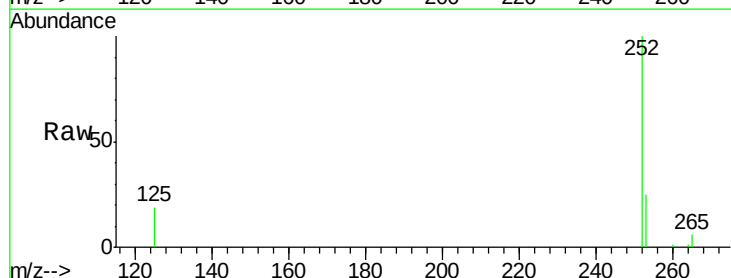
Tgt Ion:252 Resp: 15038

Ion Ratio Lower Upper

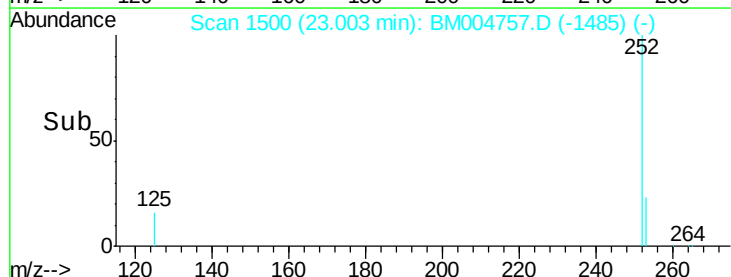
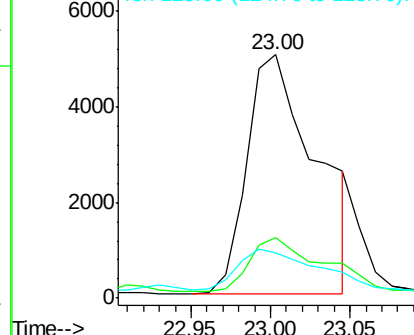
252 100

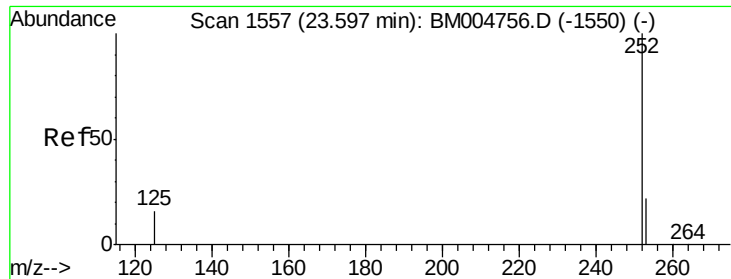
253 24.8 19.8 29.8

125 18.8 10.4 15.6#



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





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.49 min Scan# 1547

Delta R.T. -0.10 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37

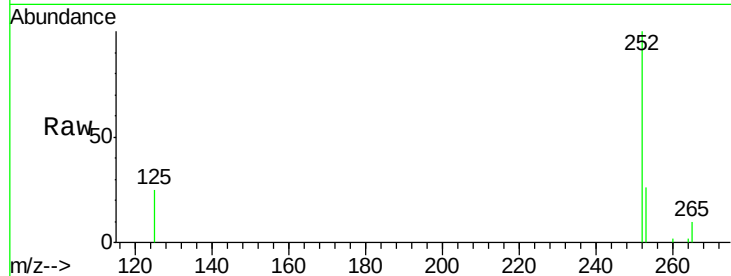
Tgt Ion: 252 Resp: 6033

Ion Ratio Lower Upper

252 100

253 25.9 19.4 29.2

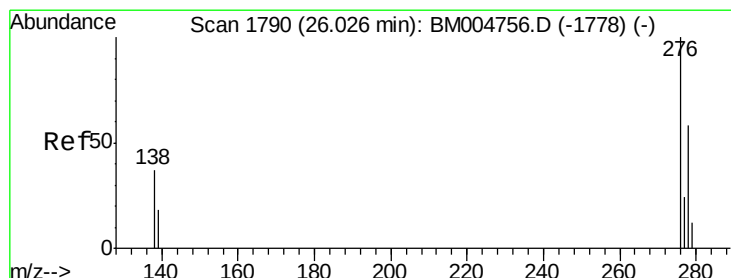
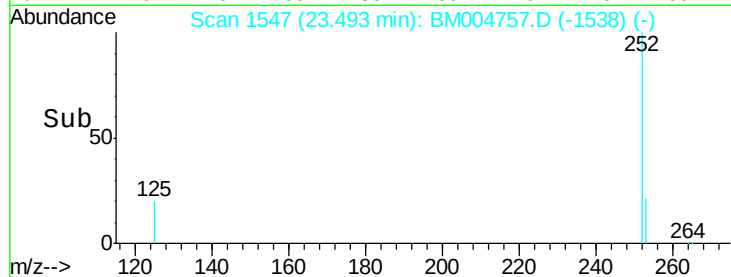
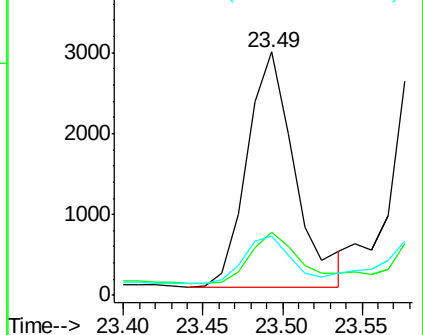
125 24.5 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.26 min

Lab File: BM004757.D

Acq: 24 Mar 2016 19:36

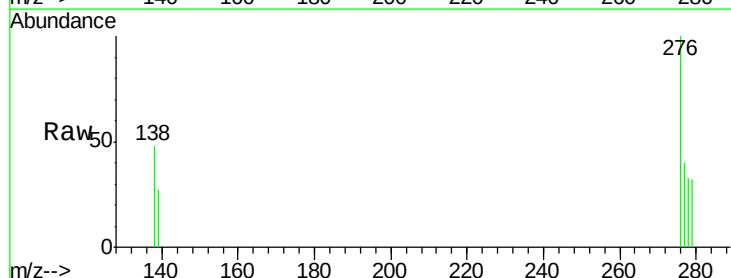
Tgt Ion: 276 Resp: 749

Ion Ratio Lower Upper

276 100

138 20.6 16.3 24.5

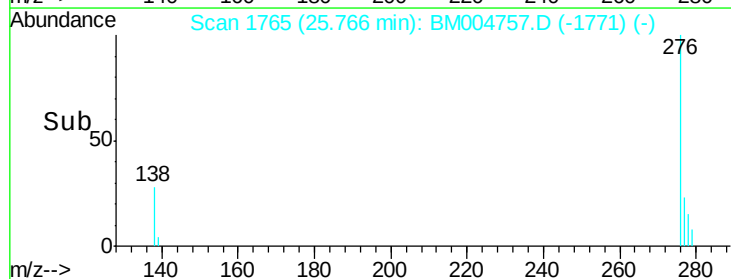
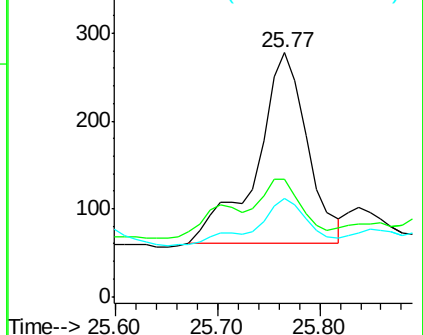
277 24.8 19.8 29.8

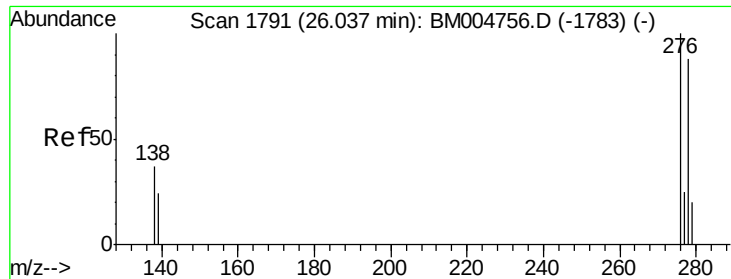


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. -0.11 min

Lab File: BM004757.D

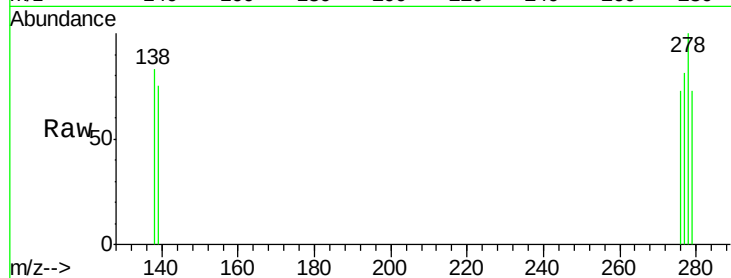
Acq: 24 Mar 2016 19:36

Instrument :

BNA_M

ClientSampleId :

A4T37



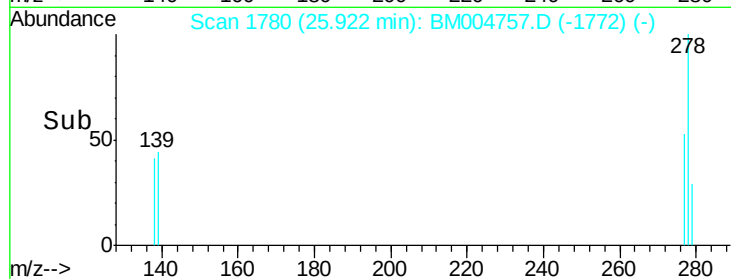
Tgt Ion: 278 Resp: 236

Ion Ratio Lower Upper

278 100

139 75.0 16.4 24.6#

279 72.7 20.2 30.2#



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

500

400

300

200

100

0

25.80

25.90

26.00

Time-->