

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061815\
 Data File : BM001735.D
 Acq On : 18 Jun 2015 11:50
 Operator : TP/IZ
 Sample : G2610-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1W54

Quant Time: Jun 18 17:25:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM061815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 18 04:33:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	932	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	3402	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.32	164	1617	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	3470	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	3094	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	2795	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	1255	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	2874	0.39	ng/ul	0.00

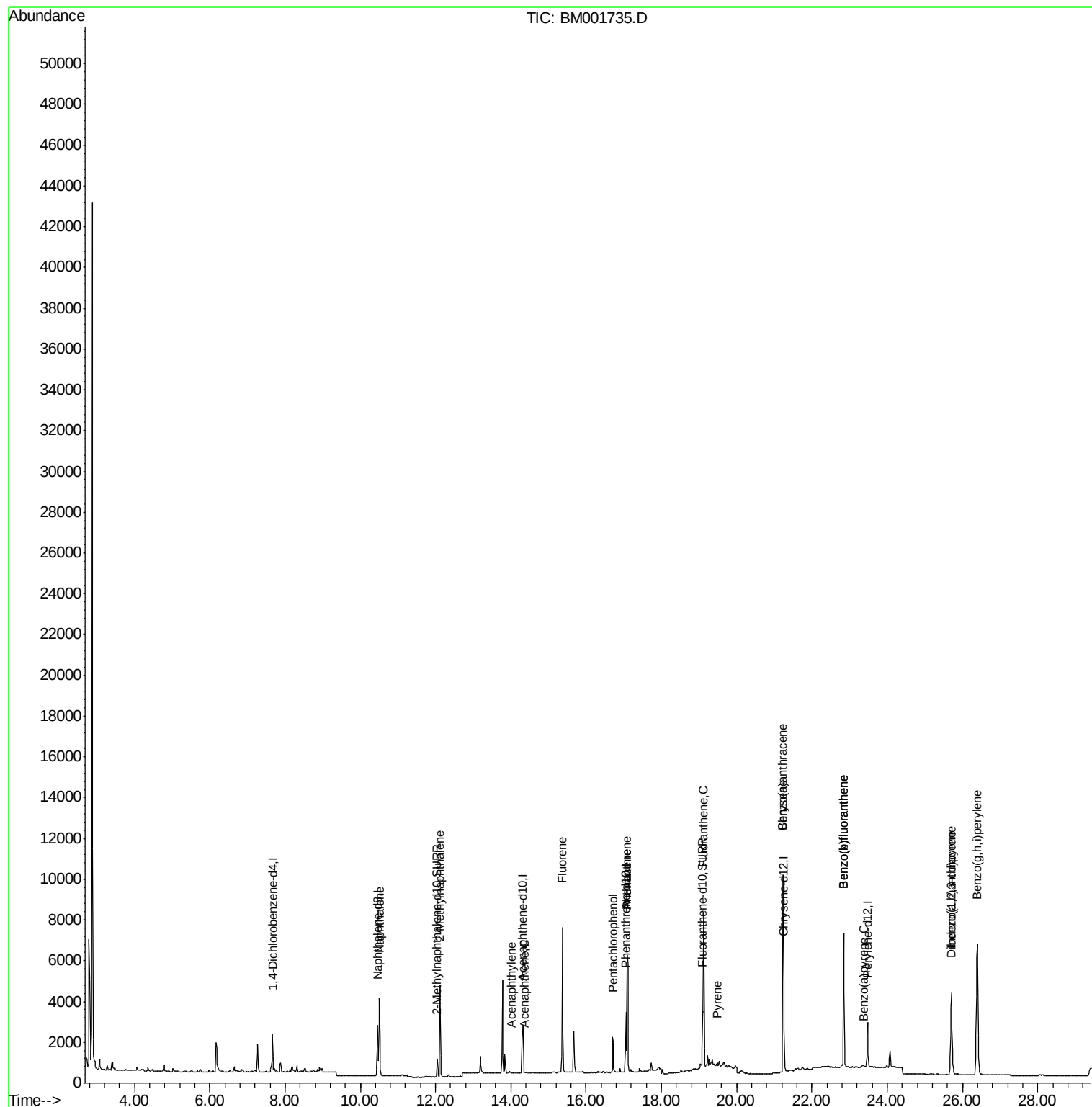
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.50	128	5337	0.59	ng/ul	99
5) 2-Methylnaphthalene	12.12	142	3304	0.58	ng/ul	99
7) Acenaphthylene	14.03	152	25	0.00	ng/ul#	1
8) Acenaphthene	14.37	153	26	0.00	ng/ul#	71
9) Fluorene	15.37	166	4630	0.70	ng/ul	99
11) Pentachlorophenol	16.70	266	1561	2.09	ng/ul	99
12) Phenanthrene	17.09	178	8154	0.78	ng/ul#	90
13) Anthracene	17.09	178	8154	0.86	ng/ul	98
15) Fluoranthene	19.12	202	7873	0.71	ng/ul	87
17) Pyrene	19.49	202	254	0.02	ng/ul#	1
18) Benzo(a)anthracene	21.23	228	8815	0.88	ng/ul	97
19) Chrysene	21.23	228	8815	0.82	ng/ul	97
21) Benzo(b)fluoranthene	22.85	252	8140	0.75	ng/ul	98
22) Benzo(k)fluoranthene	22.85	252	8140	0.79	ng/ul#	94
23) Benzo(a)pyrene	23.37	252	58	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.70	276	7111	0.64	ng/ul	93
25) Dibenzo(a,h)anthracene	25.71	278	318	0.03	ng/ul#	1
26) Benzo(g,h,i)perylene	26.39	276	12493	1.27	ng/ul	96

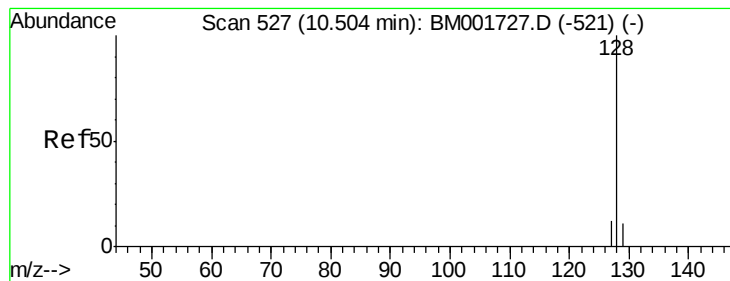
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.59 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

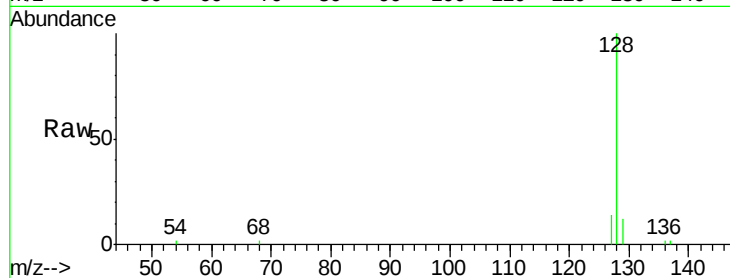
Tgt Ion:128 Resp: 5337

Ion Ratio Lower Upper

128 100

129 12.3 10.3 15.5

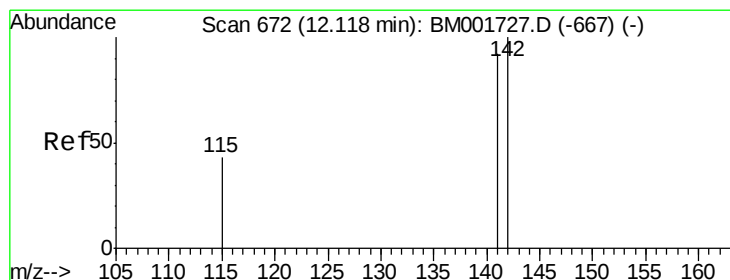
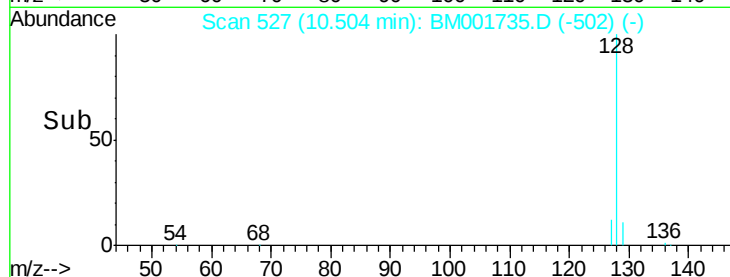
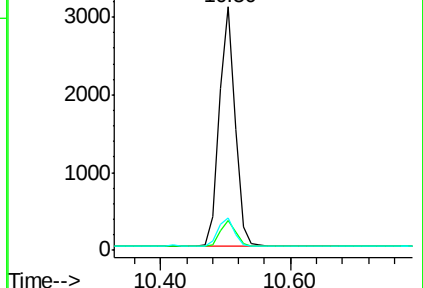
127 13.5 11.3 16.9



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: 0.58 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM001735.D

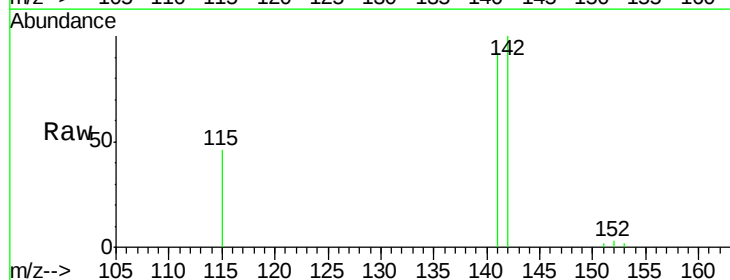
Acq: 18 Jun 2015 11:50

Tgt Ion:142 Resp: 3304

Ion Ratio Lower Upper

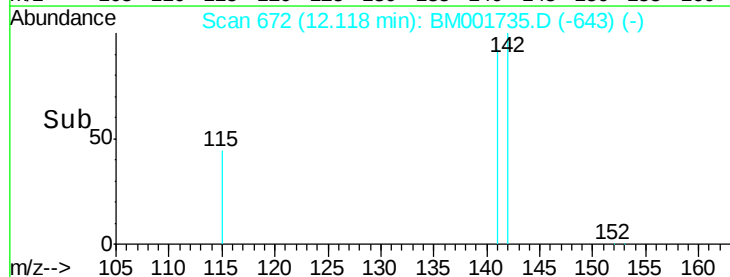
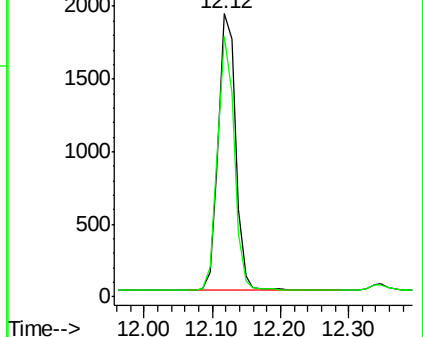
142 100

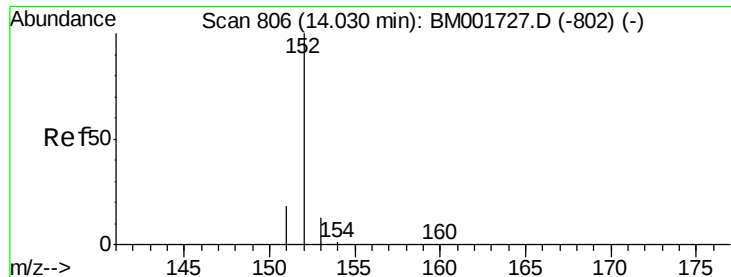
141 88.0 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.03 min Scan# 806

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

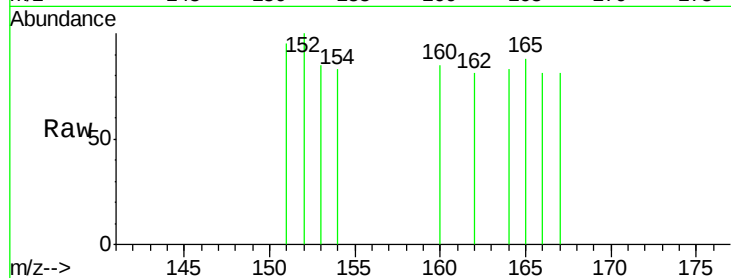
Tgt Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

151 94.9 16.2 24.4#

153 84.7 12.2 18.2#



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

100

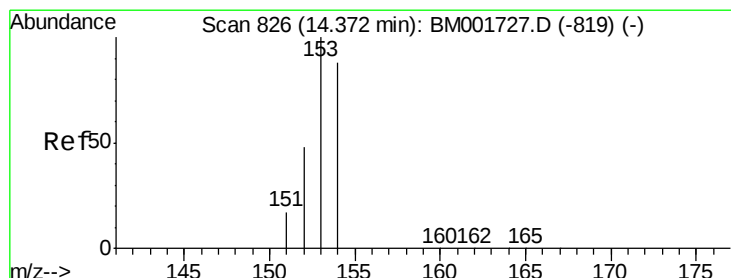
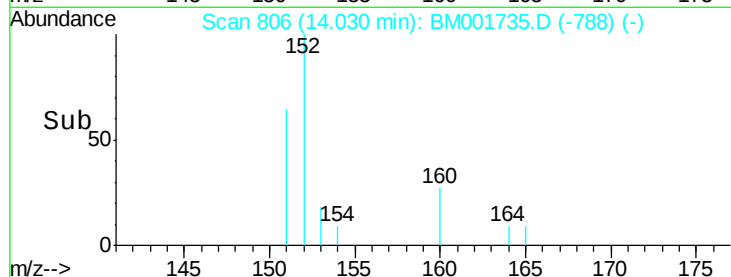
50

14.03

0

Time-->

13.90 14.00 14.10



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.37 min Scan# 826

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

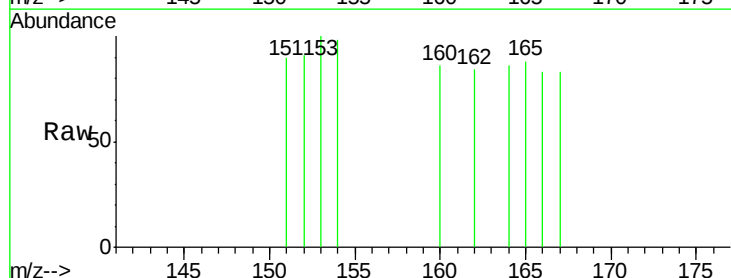
Tgt Ion:153 Resp: 26

Ion Ratio Lower Upper

153 100

152 91.4 39.6 59.4#

154 98.3 70.7 106.1



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

80

60

14.37

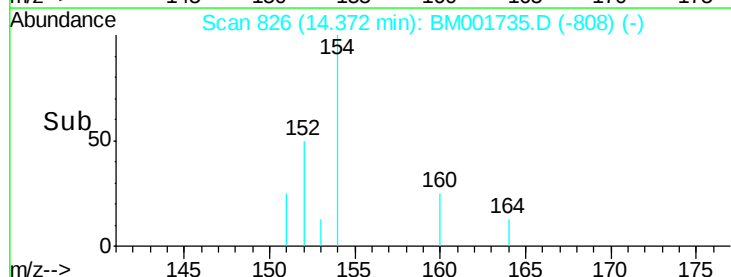
40

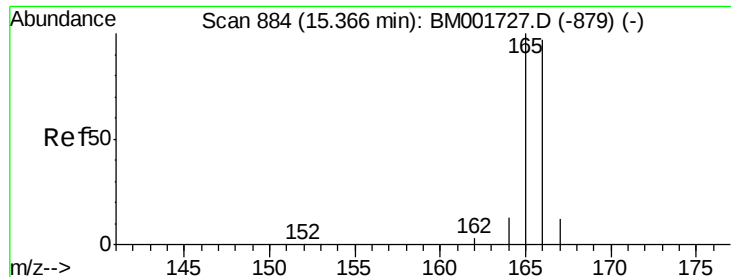
20

0

Time-->

14.30 14.35 14.40 14.45

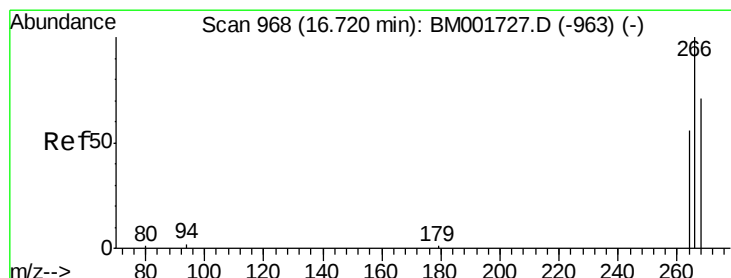
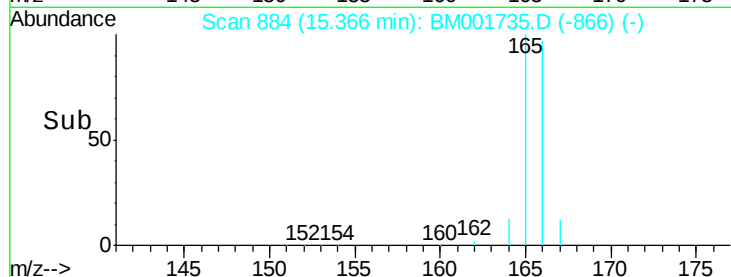
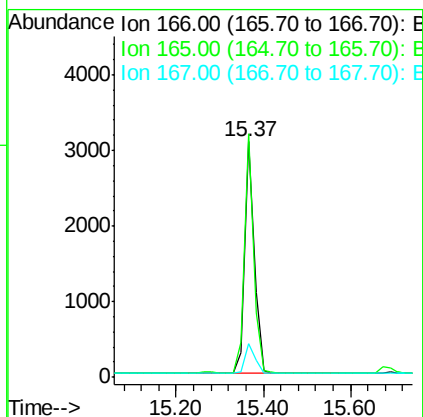
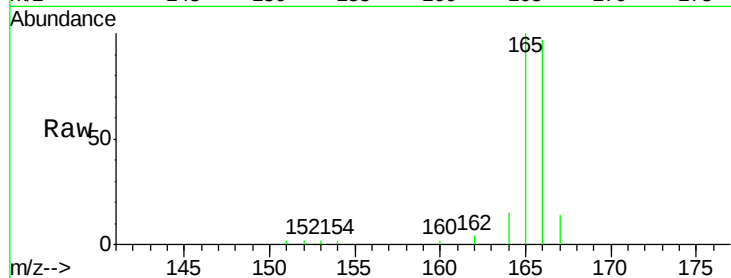




#9
Fluorene
 Concen: 0.70 ng/ul
 RT: 15.37 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM001735.D
 Acq: 18 Jun 2015 11:50

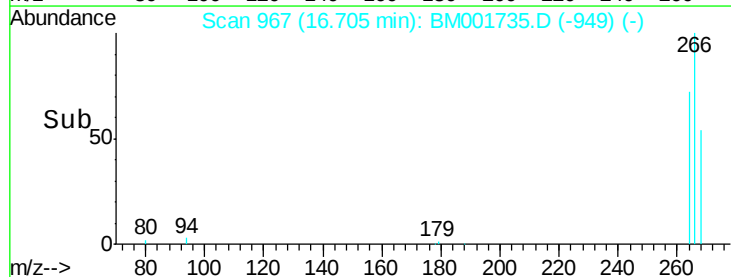
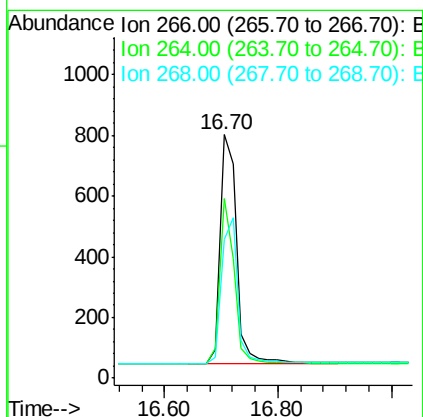
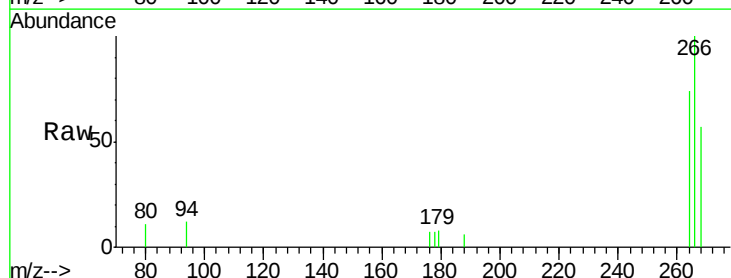
Instrument :
 BNA_M
 ClientSampleId :
 X1W54

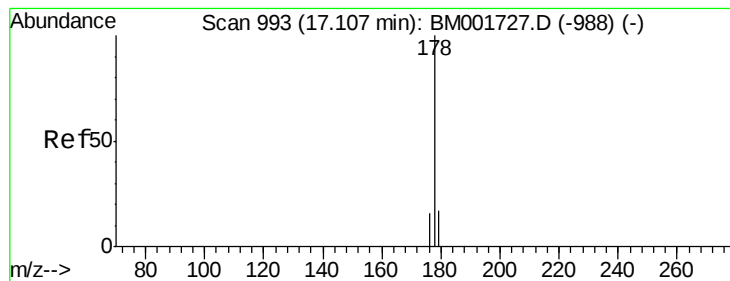
Tgt Ion:166 Resp: 4630
 Ion Ratio Lower Upper
 166 100
 165 103.4 82.2 123.4
 167 14.0 11.9 17.9



#11
Pentachlorophenol
 Concen: 2.09 ng/ul
 RT: 16.70 min Scan# 967
 Delta R.T. -0.02 min
 Lab File: BM001735.D
 Acq: 18 Jun 2015 11:50

Tgt Ion:266 Resp: 1561
 Ion Ratio Lower Upper
 266 100
 264 63.6 50.7 76.1
 268 64.0 50.5 75.7





#12

Phenanthrene

Concen: 0.78 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. -0.02 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

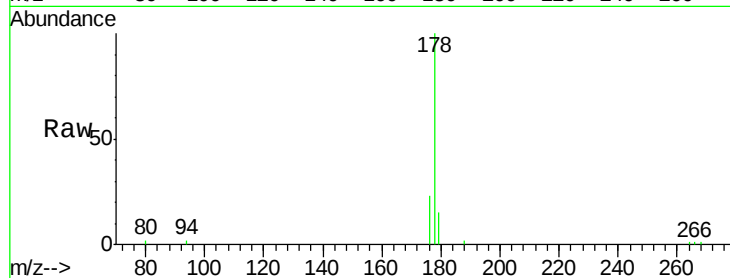
Tgt Ion:178 Resp: 8154

Ion Ratio Lower Upper

178 100

176 22.7 14.6 21.8#

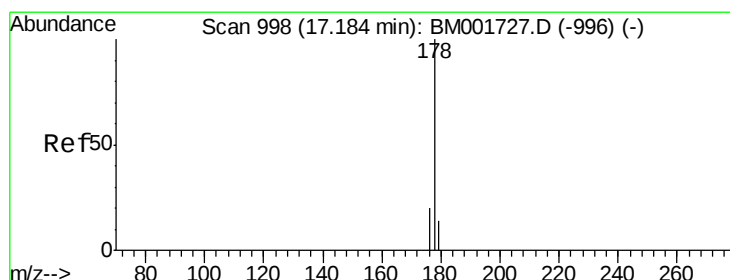
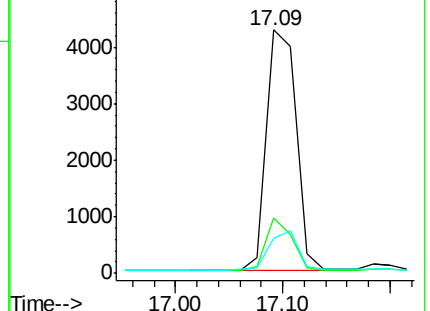
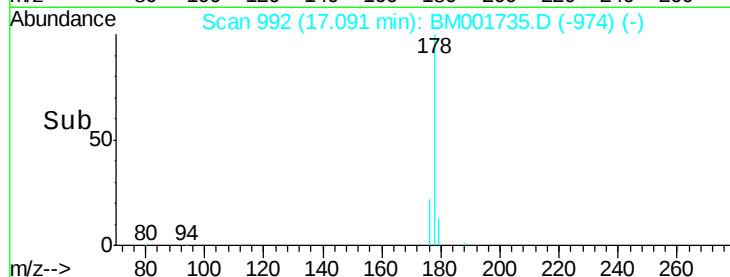
179 14.6 15.0 22.6#



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



#13

Anthracene

Concen: 0.86 ng/ul

RT: 17.09 min Scan# 992

Delta R.T. -0.09 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

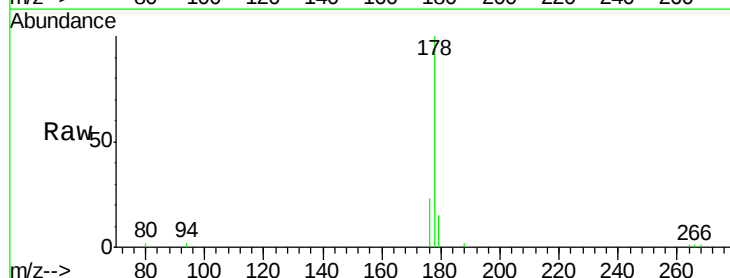
Tgt Ion:178 Resp: 8154

Ion Ratio Lower Upper

178 100

176 22.7 17.8 26.8

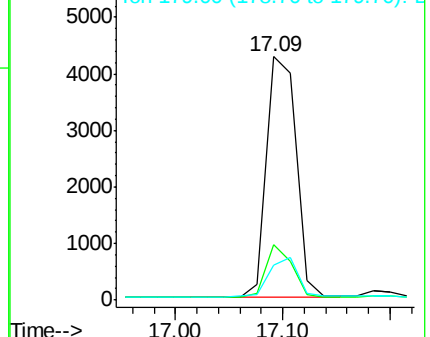
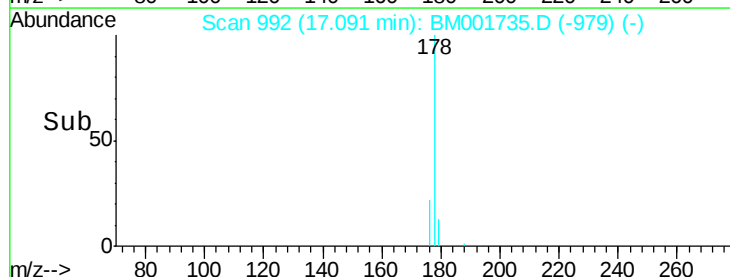
179 14.6 12.6 18.8

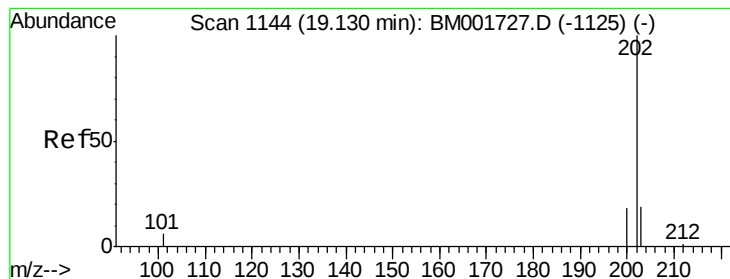


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.71 ng/ul

RT: 19.12 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

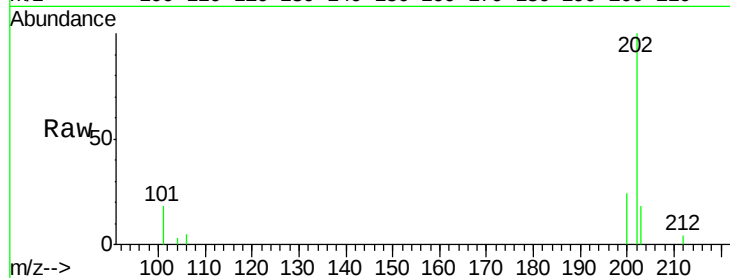
Tgt Ion:202 Resp: 7873

Ion Ratio Lower Upper

202 100

101 18.1 0.0 27.5

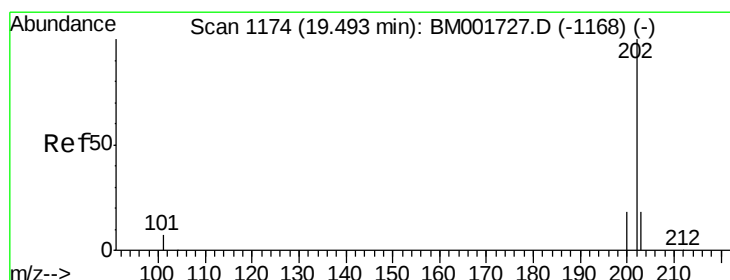
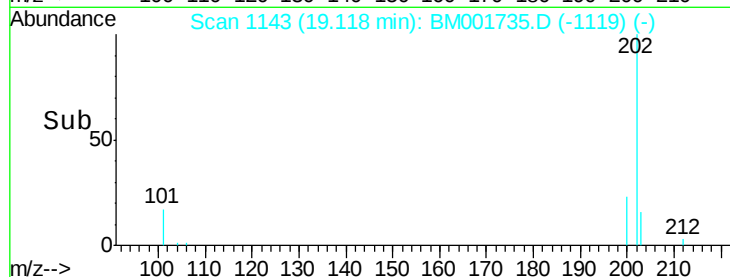
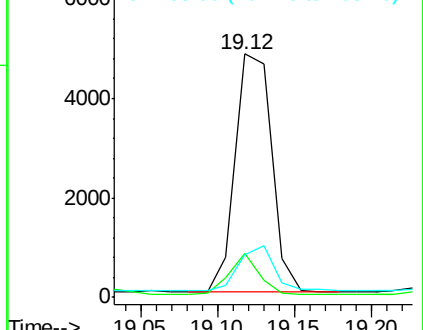
203 17.7 0.7 40.7



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: 0.02 ng/ul

RT: 19.49 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

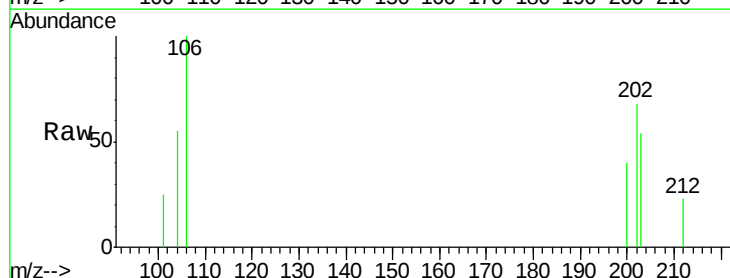
Tgt Ion:202 Resp: 254

Ion Ratio Lower Upper

202 100

200 58.6 15.7 23.5#

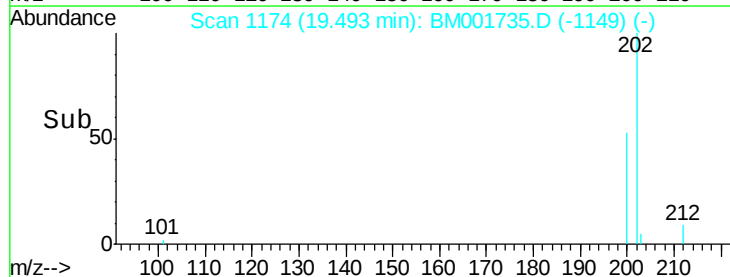
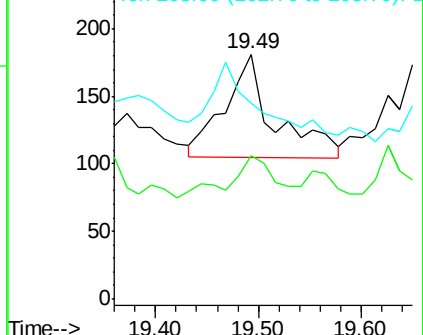
203 80.1 15.8 23.8#

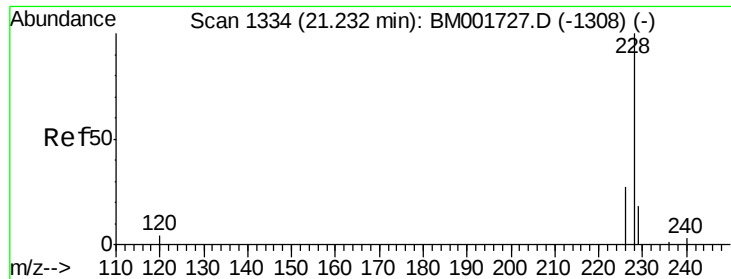


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.88 ng/ul

RT: 21.23 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

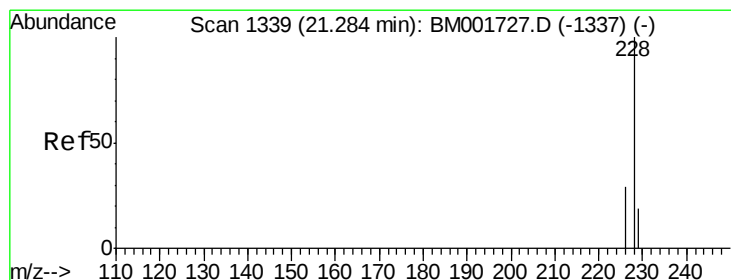
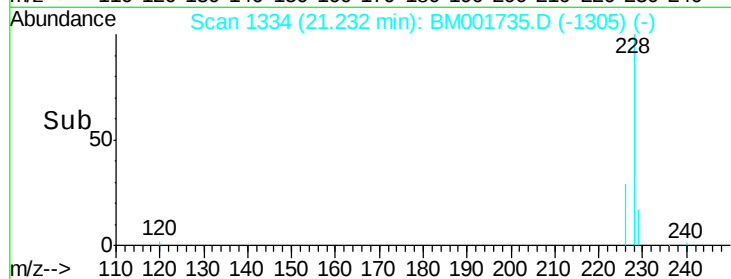
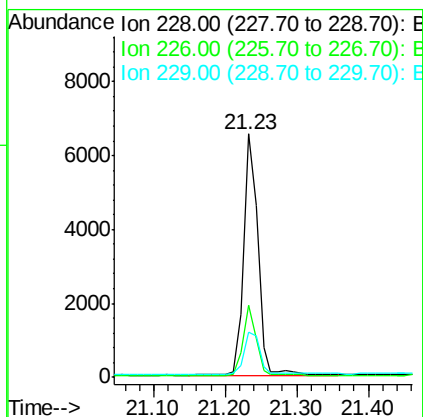
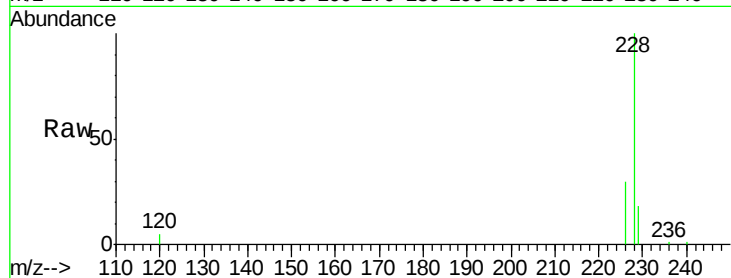
Instrument :

BNA_M

ClientSampleId :

X1W54

Tgt Ion:	228	Resp:	8815
Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	18.4	15.8	23.8



#19

Chrysene

Concen: 0.82 ng/ul

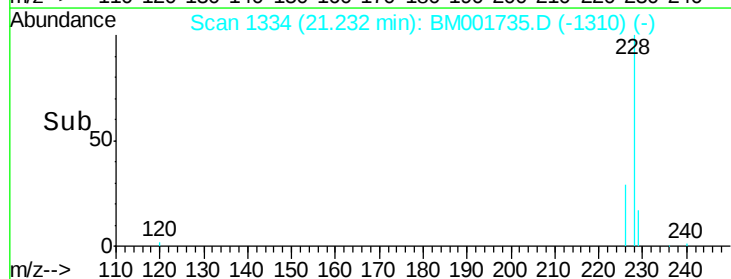
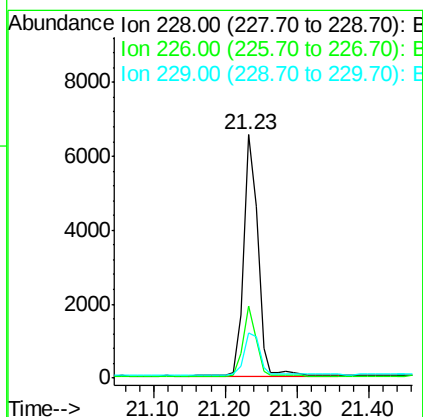
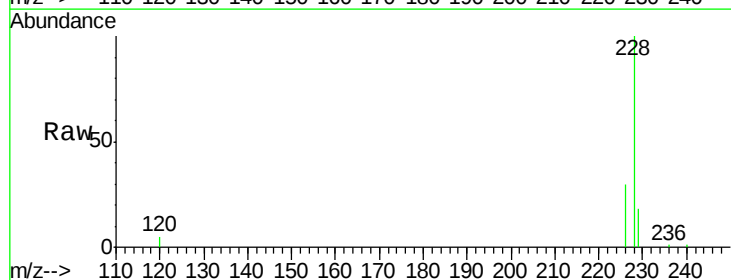
RT: 21.23 min Scan# 1334

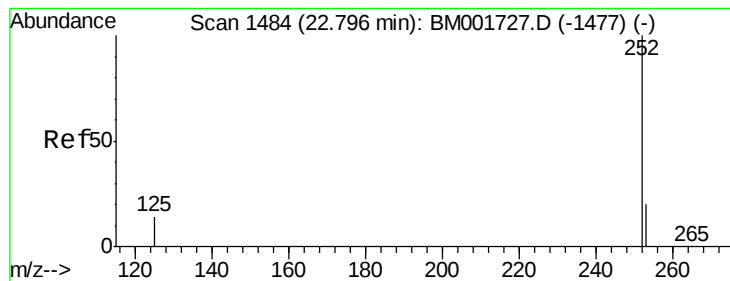
Delta R.T. -0.05 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Tgt Ion:	228	Resp:	8815
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.8	37.2
229	18.4	16.0	24.0





#21

Benzo(b)fluoranthene

Concen: 0.75 ng/u1

RT: 22.85 min Scan# 1489

Delta R.T. 0.05 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

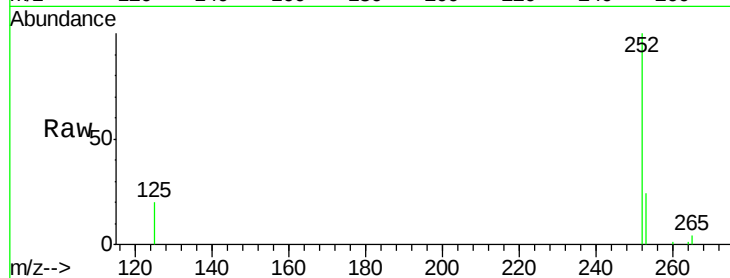
Tgt Ion:252 Resp: 8140

Ion Ratio Lower Upper

252 100

253 23.9 0.0 48.4

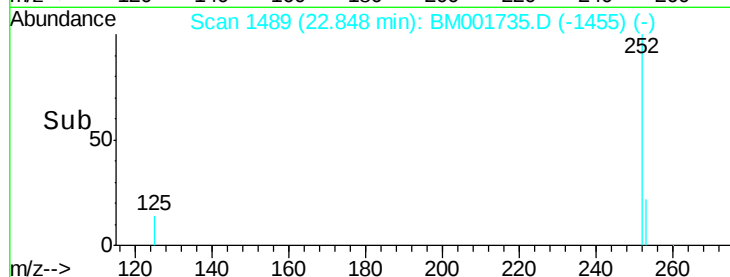
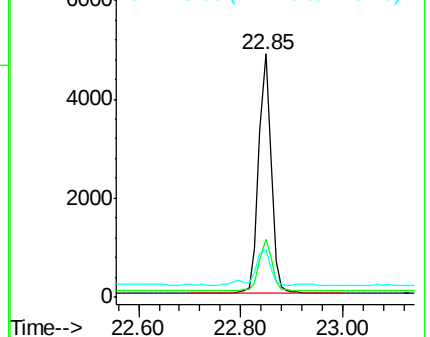
125 19.7 0.0 35.2



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



#22

Benzo(k)fluoranthene

Concen: 0.79 ng/u1

RT: 22.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

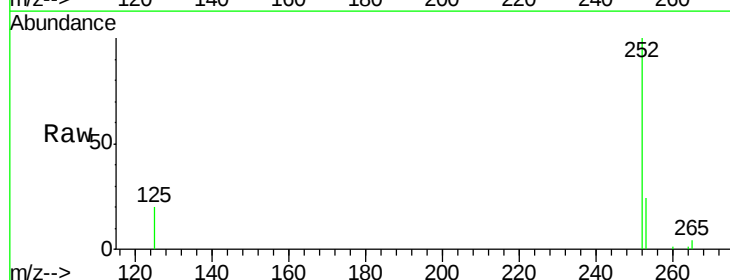
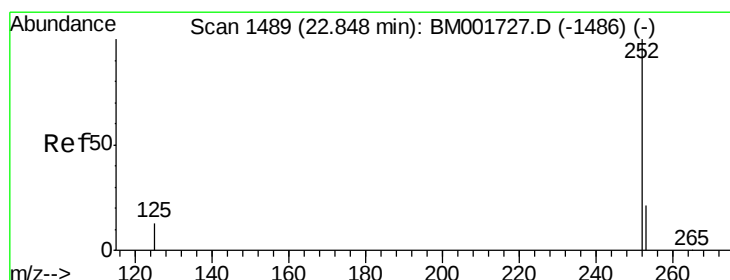
Tgt Ion:252 Resp: 8140

Ion Ratio Lower Upper

252 100

253 23.9 21.2 31.8

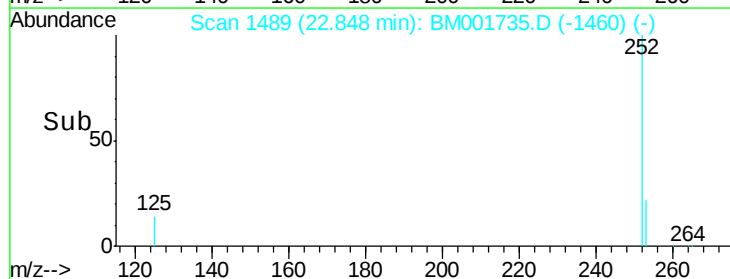
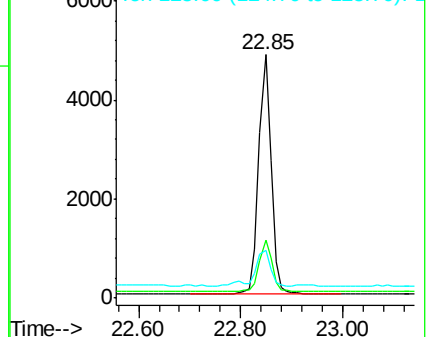
125 19.7 12.7 19.1#

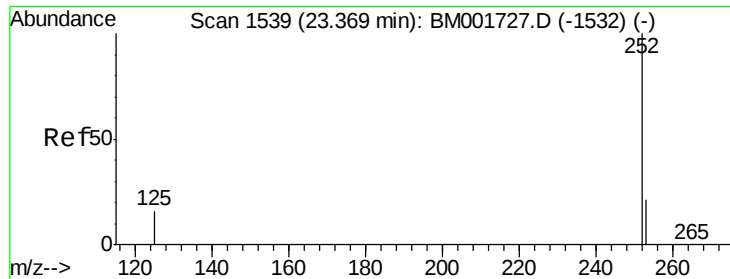


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.37 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

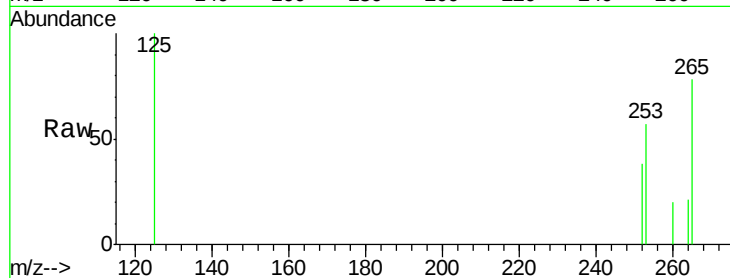
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

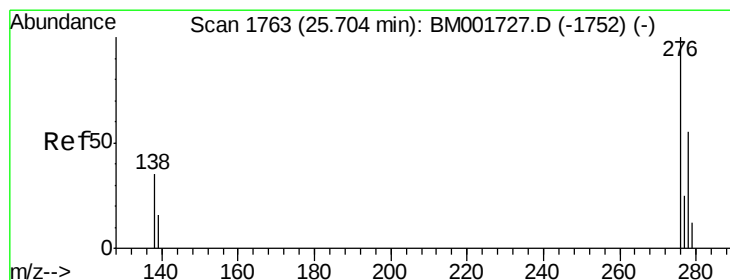
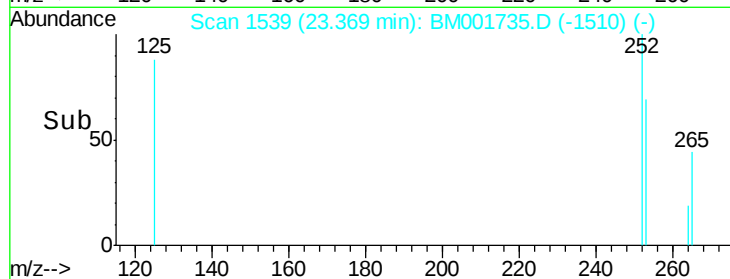
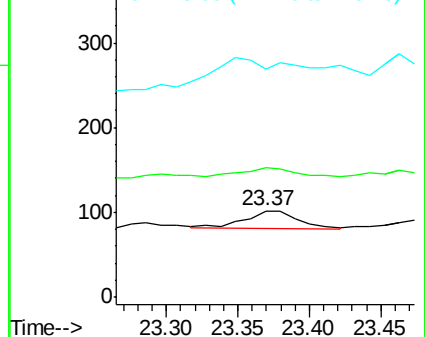
252 100

253 150.0 21.1 31.7#

125 263.7 15.6 23.4#



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: 0.64 ng/ul

RT: 25.70 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

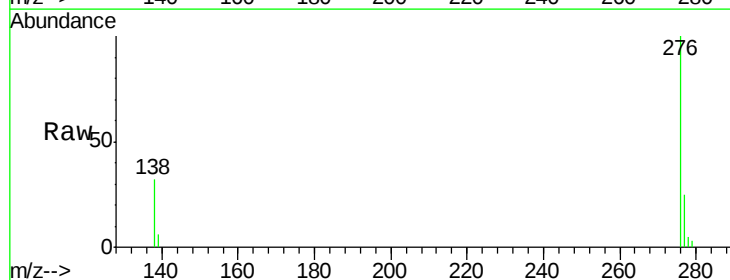
Tgt Ion:276 Resp: 7111

Ion Ratio Lower Upper

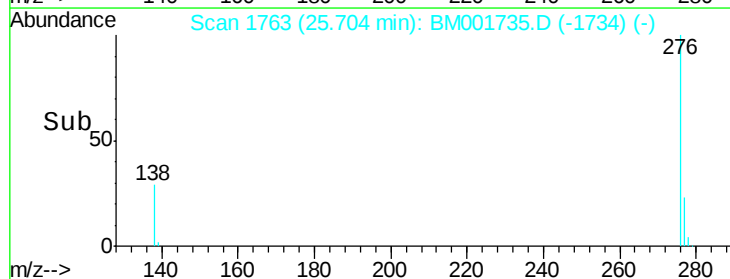
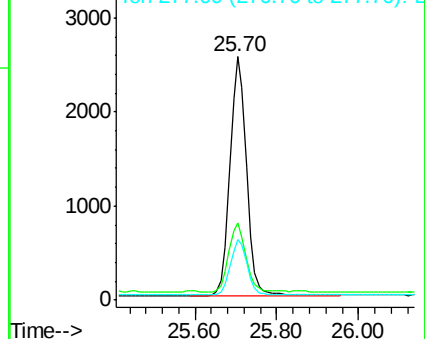
276 100

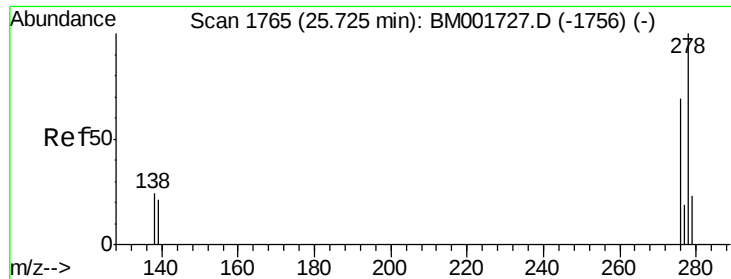
138 29.9 28.2 42.2

277 23.5 20.2 30.2



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





#25

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 25.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

Instrument :

BNA_M

ClientSampleId :

X1W54

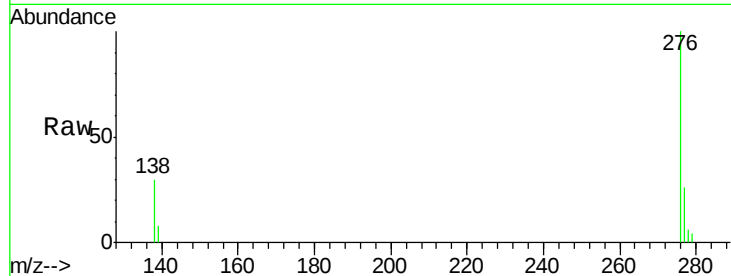
Tgt Ion:278 Resp: 318

Ion Ratio Lower Upper

278 100

139 124.7 20.1 30.1#

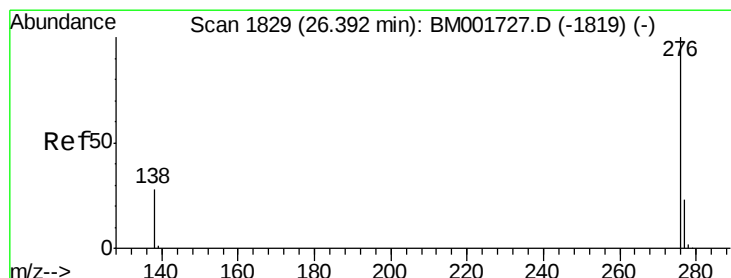
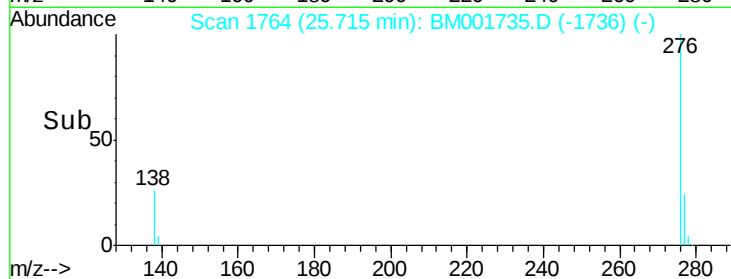
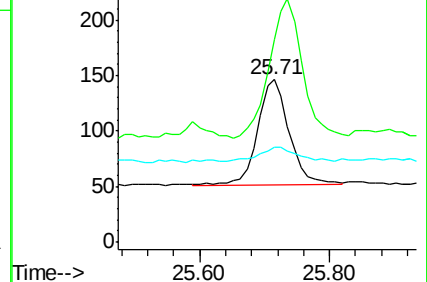
279 58.2 22.6 33.8#



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



#26

Benzo(g,h,i)perylene

Concen: 1.27 ng/ul

RT: 26.39 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BM001735.D

Acq: 18 Jun 2015 11:50

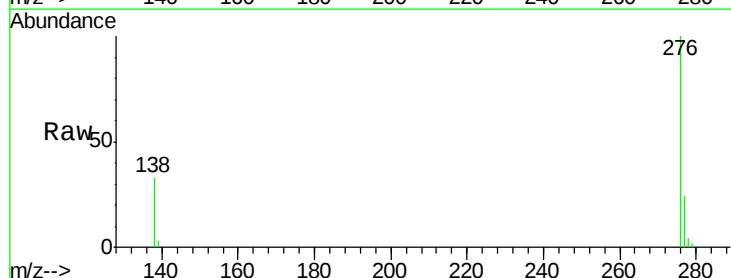
Tgt Ion:276 Resp: 12493

Ion Ratio Lower Upper

276 100

277 24.4 21.1 31.7

138 33.4 25.3 37.9



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

