

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004766.D
 Acq On : 25 Mar 2016 01:02
 Operator : UM/SJ
 Sample : H1909-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T46

Quant Time: Mar 25 03:22:43 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	74582	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	301093	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	155655	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	324348	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	257648	5.00	ng/ul	-0.01
22) Perylene-d12	23.70	264	243038	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	4037	0.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1535	0.00	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3236	0.00	ng/ul	0.00

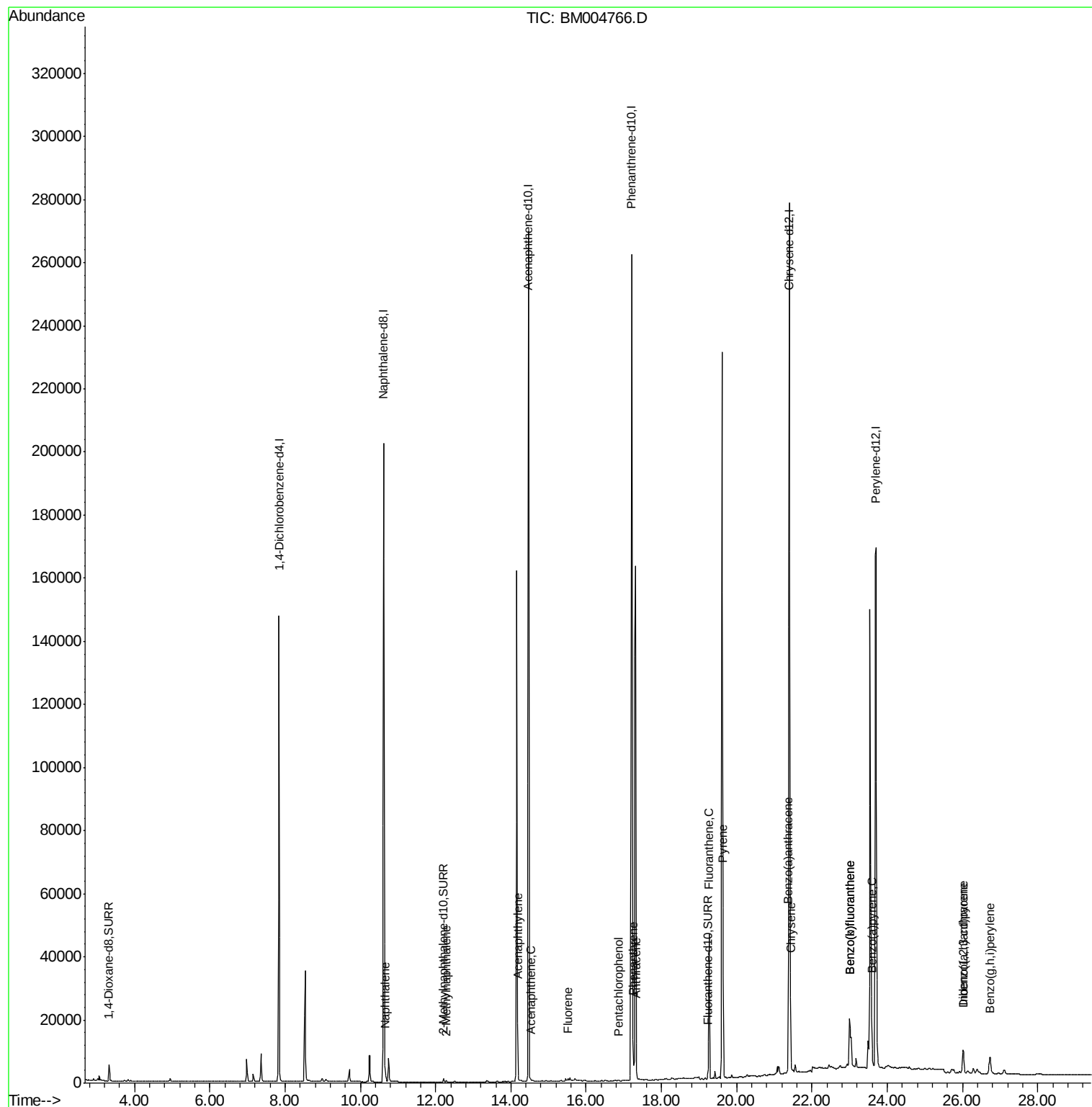
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	2893	0.00	ng/ul#	91
7) 2-Methylnaphthalene	12.29	142	407	0.00	ng/ul	98
9) Acenaphthylene	14.18	152	3357	0.01	ng/ul#	96
10) Acenaphthene	14.52	153	424	0.00	ng/ul#	79
11) Fluorene	15.51	166	717	0.00	ng/ul#	74
13) Pentachlorophenol	16.87	266	133	0.00	ng/ul#	88
14) Phenanthrene	17.24	178	13786	0.02	ng/ul#	91
15) Anthracene	17.33	178	4342	0.01	ng/ul#	88
17) Fluoranthene	19.27	202	44981	0.05	ng/ul	95
19) Pyrene	19.63	202	39861	0.04	ng/ul	97
20) Benzo(a)anthracene	21.38	228	21047	0.03	ng/ul#	88
21) Chrysene	21.43	228	21353	0.03	ng/ul#	89
23) Benzo(b)fluoranthene	23.00	252	36104	0.04	ng/ul#	68
24) Benzo(k)fluoranthene	23.00	252	36104	0.04	ng/ul#	72
25) Benzo(a)pyrene	23.59	252	18654	0.03	ng/ul#	76
26) Indeno(1,2,3-cd)pyrene	26.02	276	11824	0.01	ng/ul#	89
27) Dibenzo(a,h)anthracene	26.03	278	2964	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.74	276	10697	0.01	ng/ul#	75

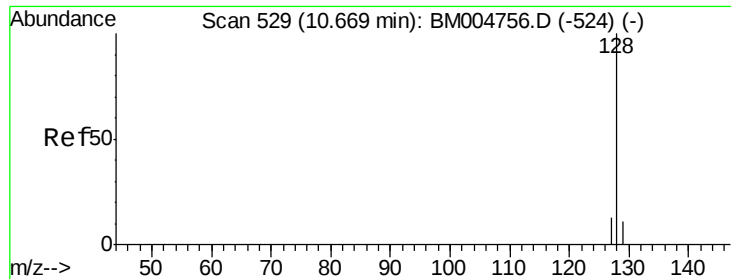
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

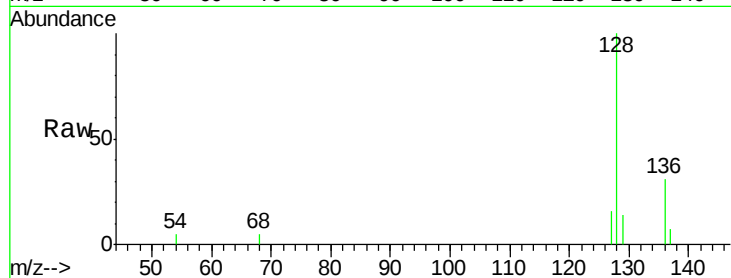
Tgt Ion:128 Resp: 2893

Ion Ratio Lower Upper

128 100

129 14.1 9.0 13.6#

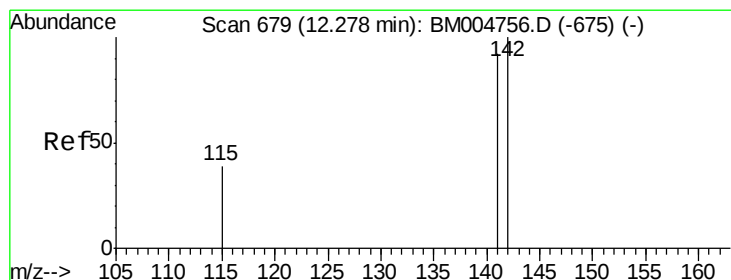
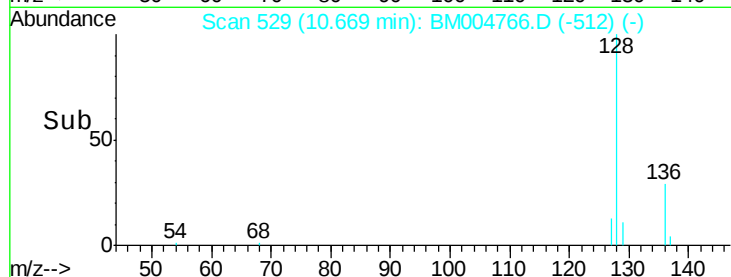
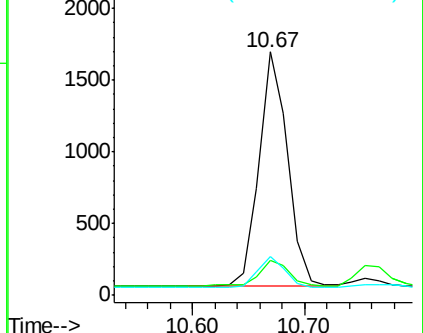
127 15.9 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004766.D

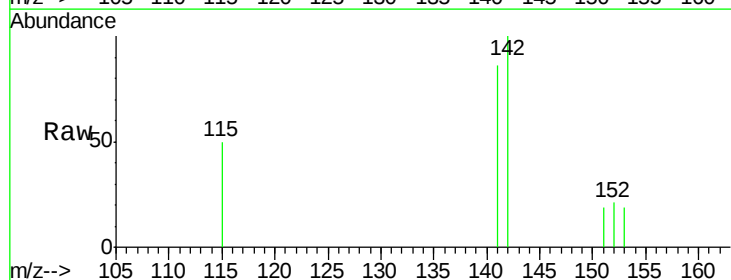
Acq: 25 Mar 2016 01:02

Tgt Ion:142 Resp: 407

Ion Ratio Lower Upper

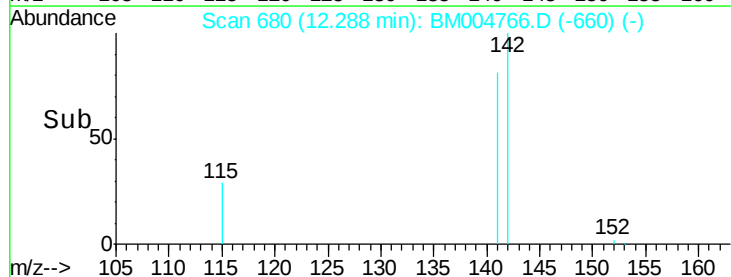
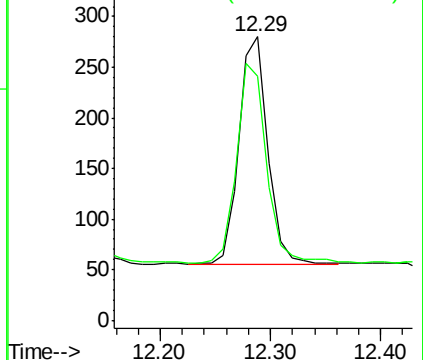
142 100

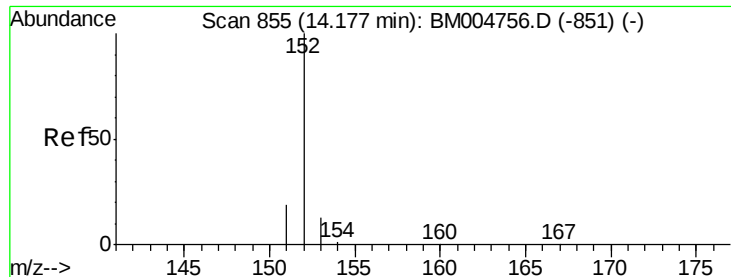
141 89.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

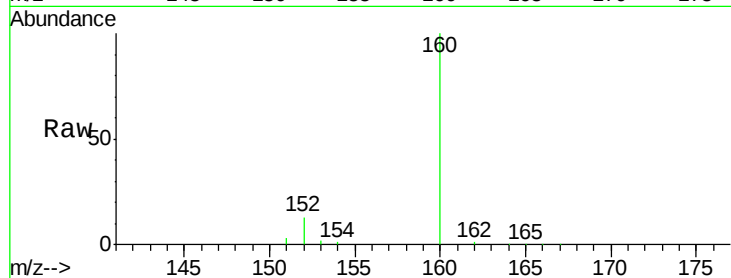
Tgt Ion:152 Resp: 3357

Ion Ratio Lower Upper

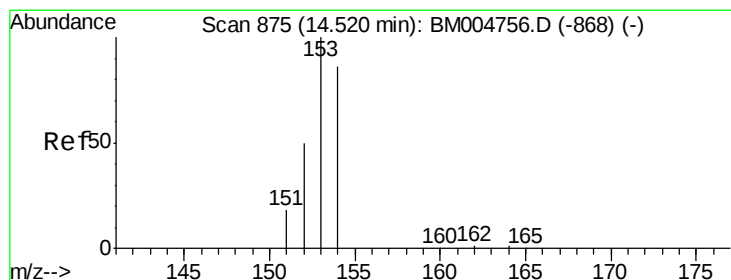
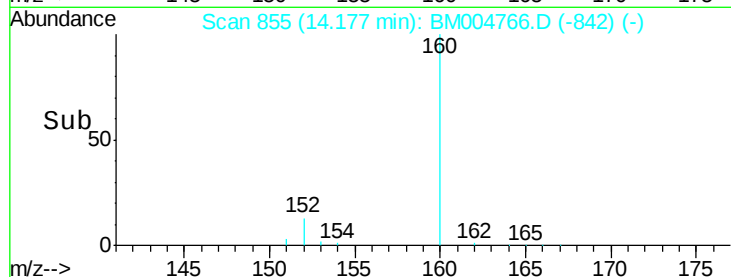
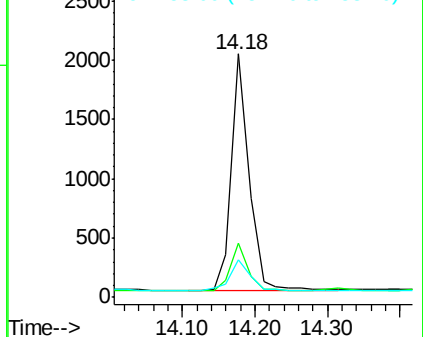
152 100

151 22.4 17.6 26.4

153 15.4 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

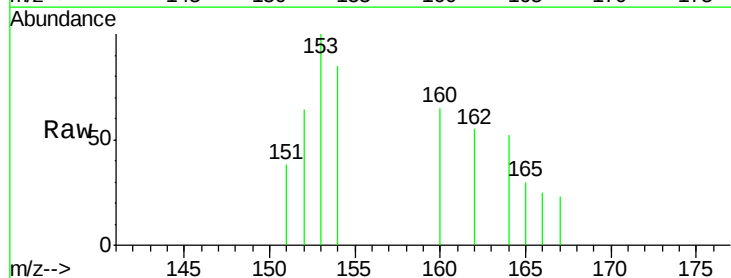
Tgt Ion:153 Resp: 424

Ion Ratio Lower Upper

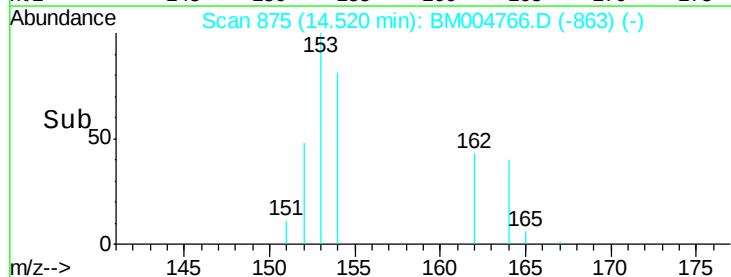
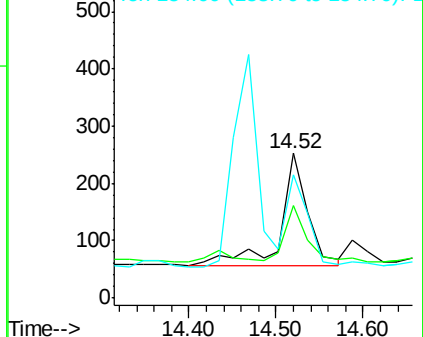
153 100

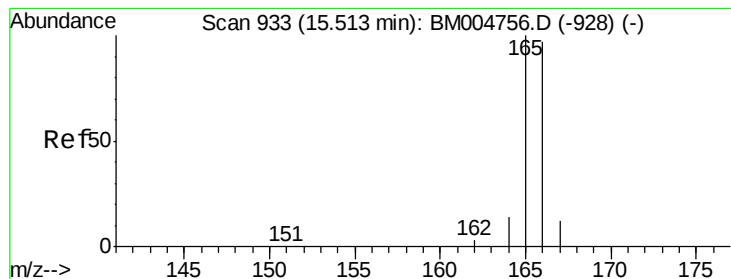
152 63.9 33.9 50.9#

154 84.9 80.6 121.0



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





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

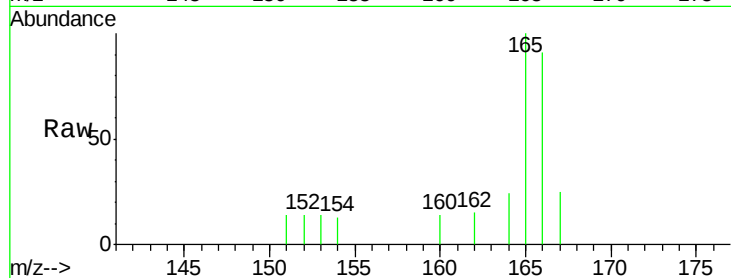
Tgt Ion:166 Resp: 717

Ion Ratio Lower Upper

166 100

165 109.9 69.6 104.4#

167 27.7 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

15.51

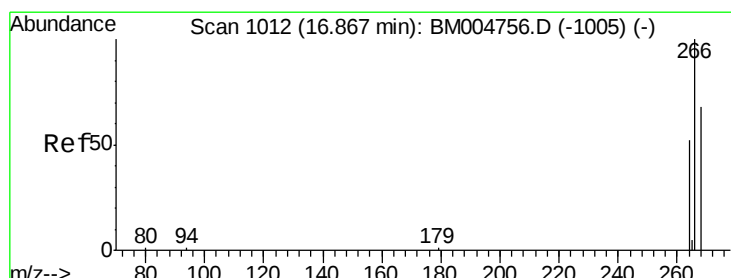
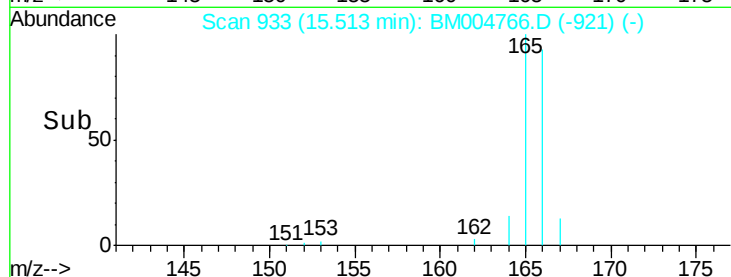
400

200

0

15.50 15.60

Time-->



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

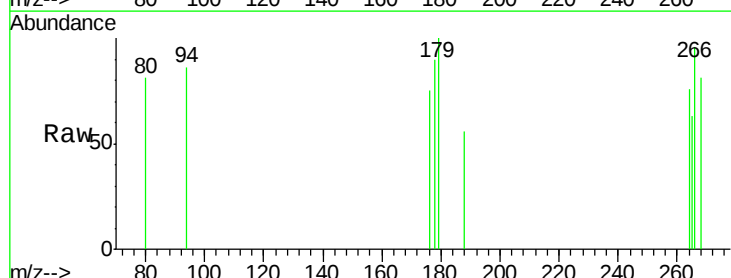
Tgt Ion:266 Resp: 133

Ion Ratio Lower Upper

266 100

264 69.9 51.8 77.8

268 71.4 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

16.87

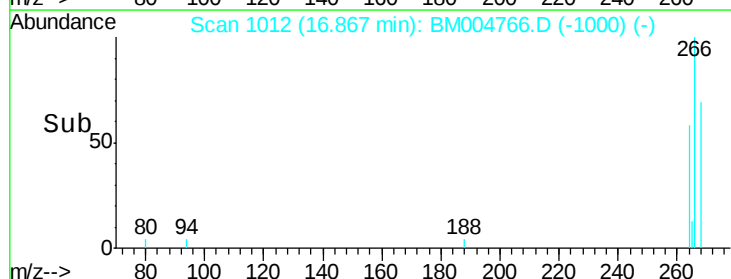
100

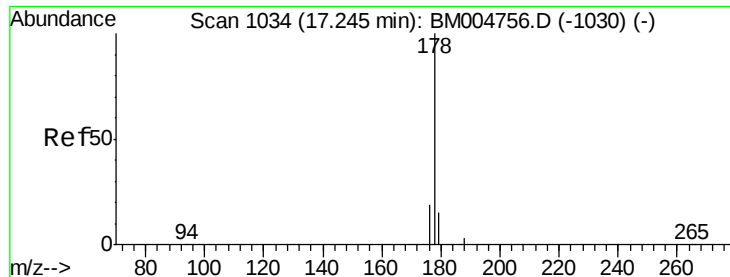
50

0

16.60 16.80 17.00

Time-->





#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

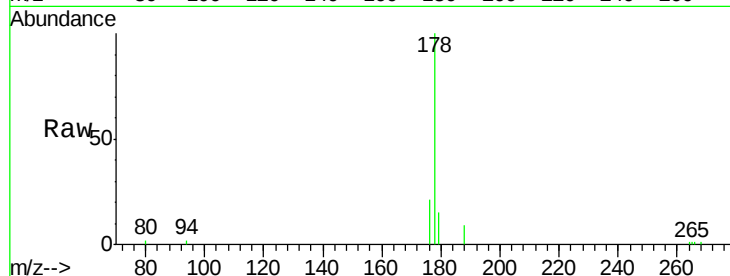
Tgt Ion:178 Resp: 13786

Ion Ratio Lower Upper

178 100

176 21.4 13.0 19.4#

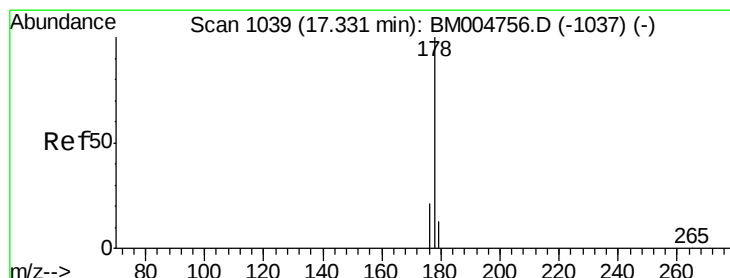
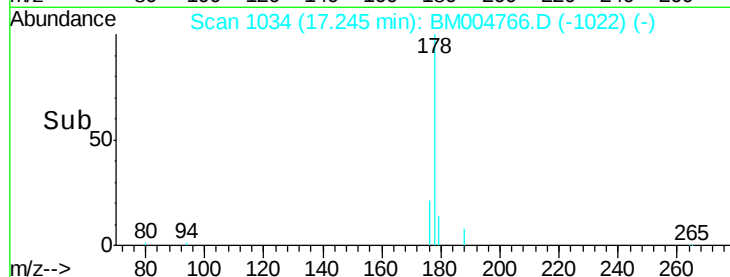
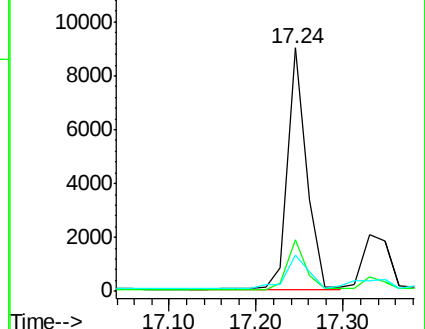
179 15.0 14.2 21.2



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



#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

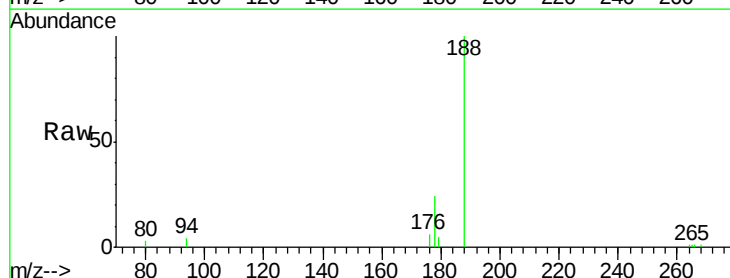
Tgt Ion:178 Resp: 4342

Ion Ratio Lower Upper

178 100

176 24.5 14.0 21.0#

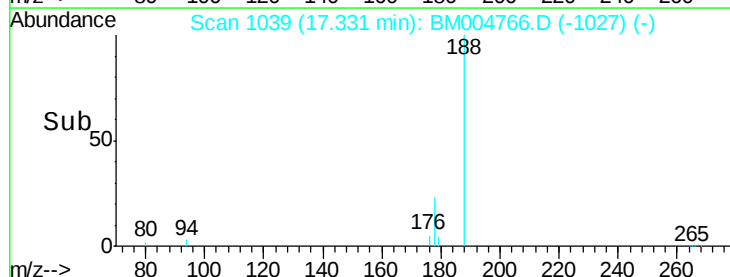
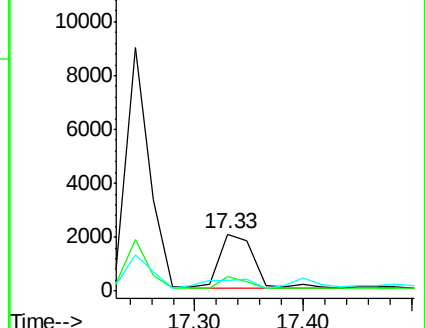
179 19.3 12.9 19.3

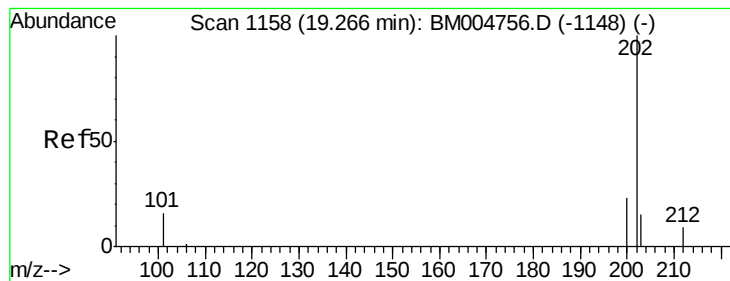


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

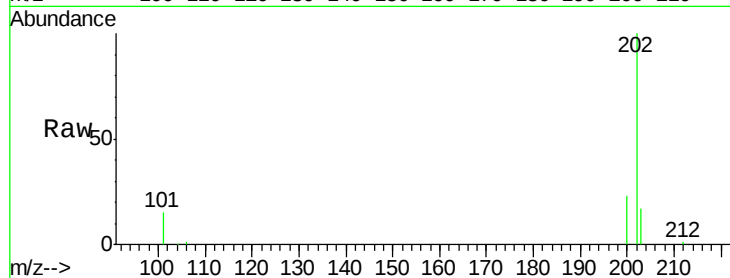
Tgt Ion:202 Resp: 44981

Ion Ratio Lower Upper

202 100

101 14.6 0.0 29.6

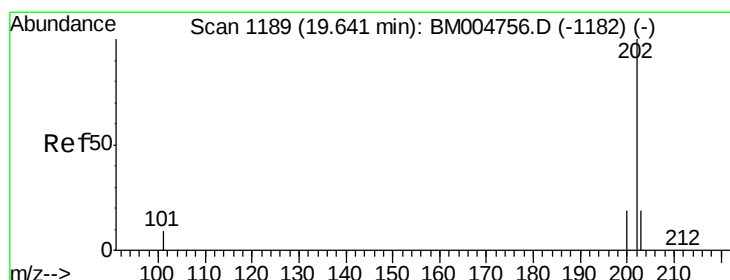
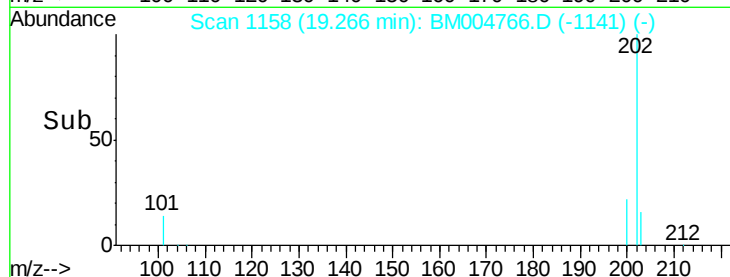
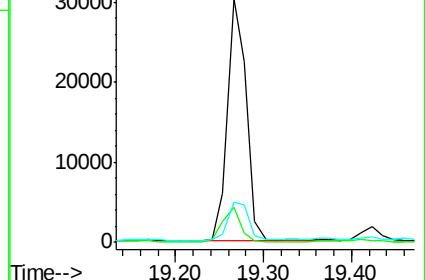
203 16.6 0.0 36.3



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

Pyrene

Concen: 0.04 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

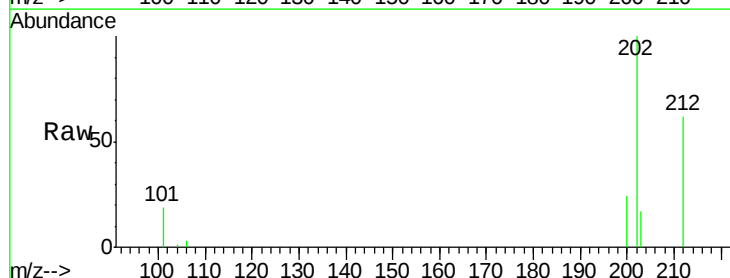
Tgt Ion:202 Resp: 39861

Ion Ratio Lower Upper

202 100

200 23.9 17.8 26.8

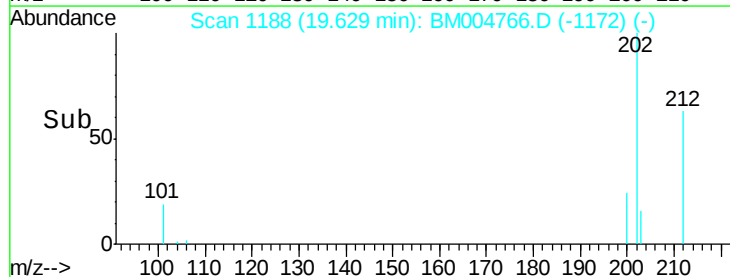
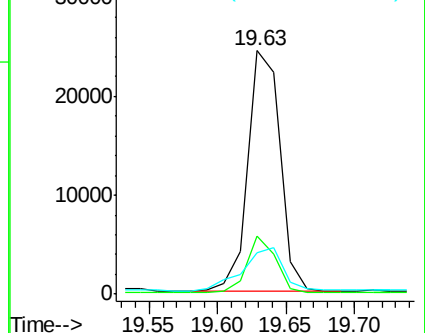
203 17.2 12.8 19.2

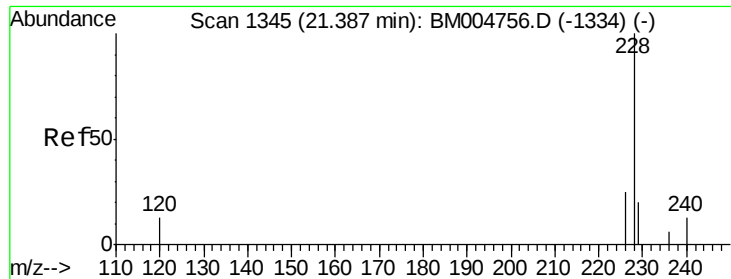


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

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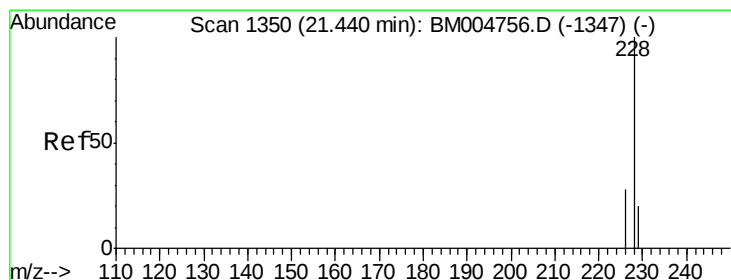
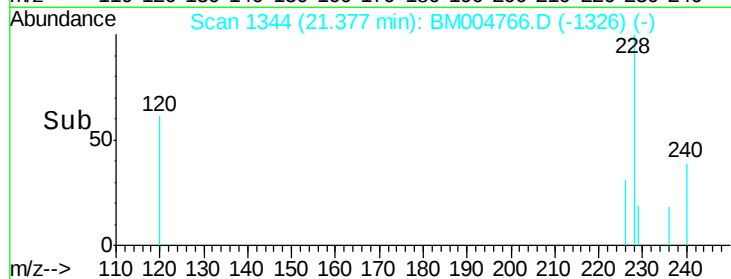
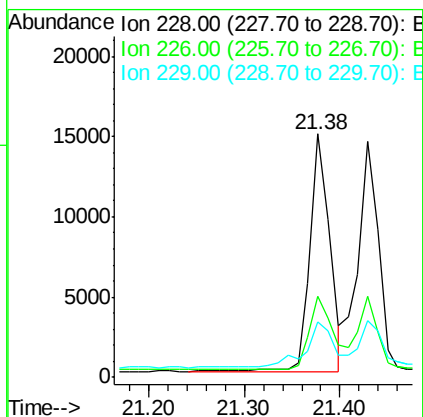
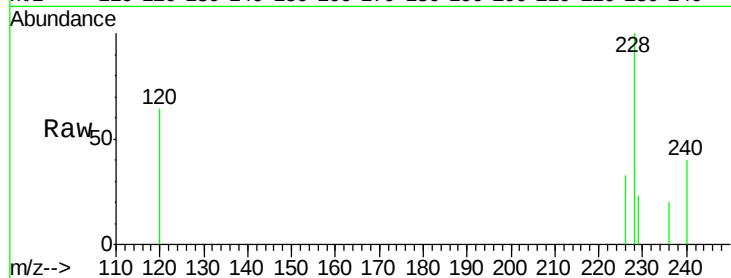
Tgt Ion:228 Resp: 21047

Ion Ratio Lower Upper

228 100

226 33.3 18.8 28.2#

229 23.0 17.1 25.7



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

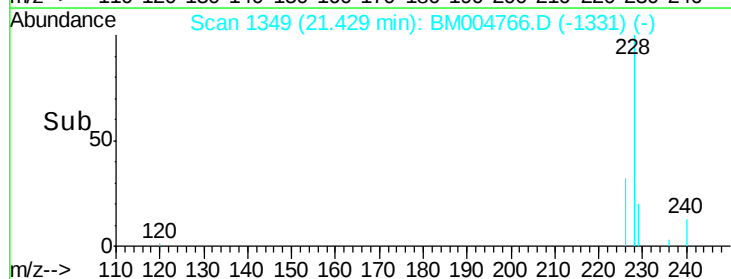
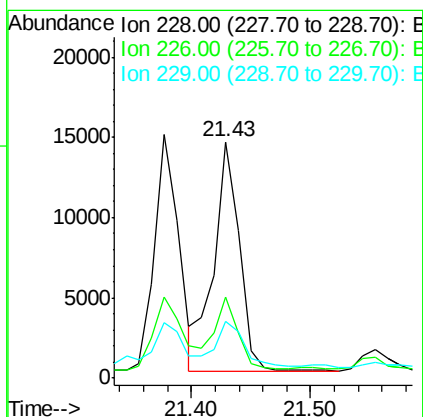
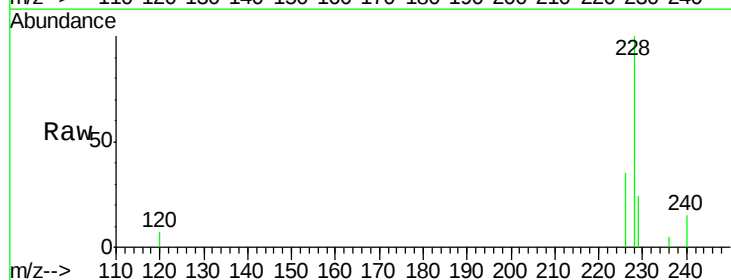
Tgt Ion:228 Resp: 21353

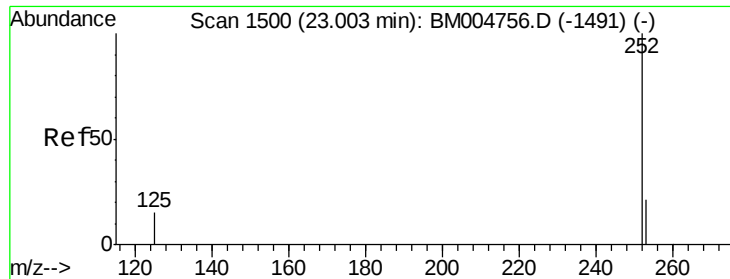
Ion Ratio Lower Upper

228 100

226 34.6 21.2 31.8#

229 23.8 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/u1

RT: 23.00 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

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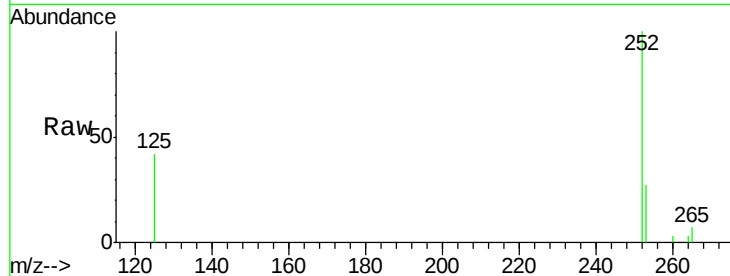
Tgt Ion:252 Resp: 36104

Ion Ratio Lower Upper

252 100

253 27.2 0.0 45.4

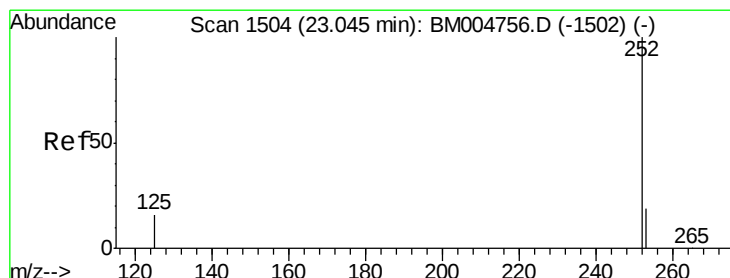
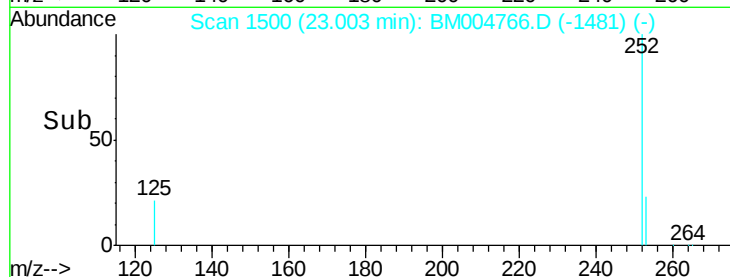
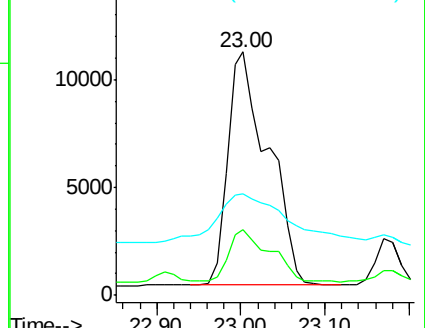
125 41.7 0.0 28.8#



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: 0.04 ng/u1

RT: 23.00 min Scan# 1500

Delta R.T. -0.04 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

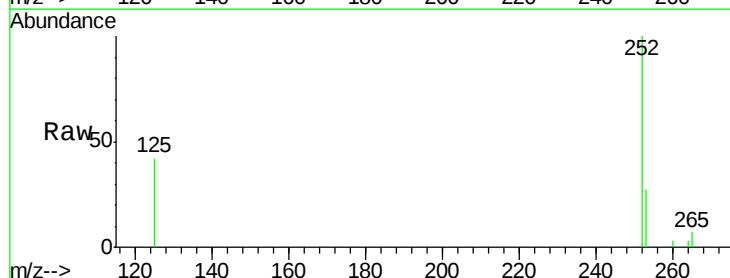
Tgt Ion:252 Resp: 36104

Ion Ratio Lower Upper

252 100

253 27.2 19.8 29.8

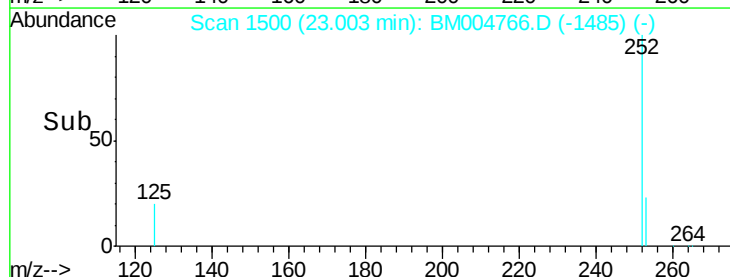
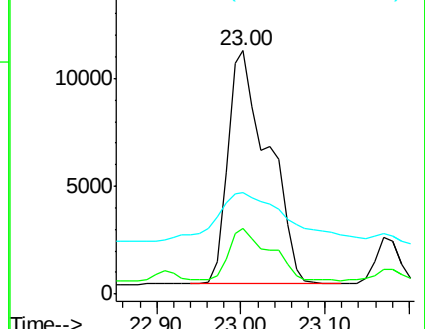
125 41.7 10.4 15.6#

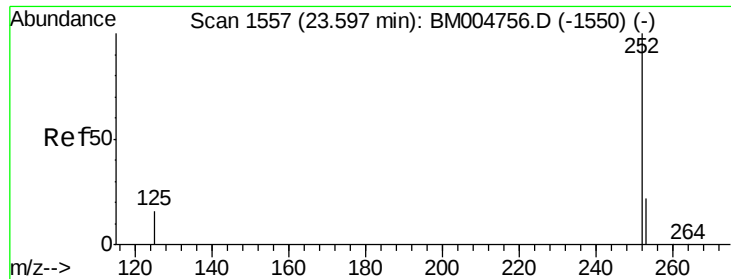


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

Instrument :

BNA_M

ClientSampleId :

A4T46

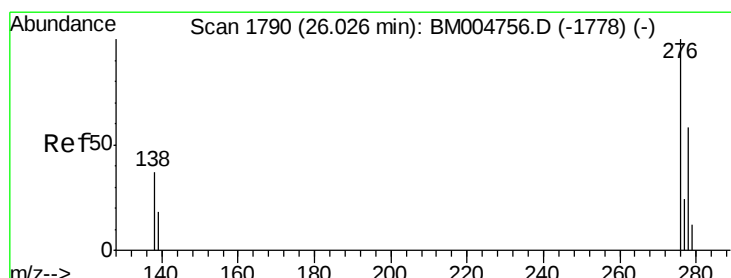
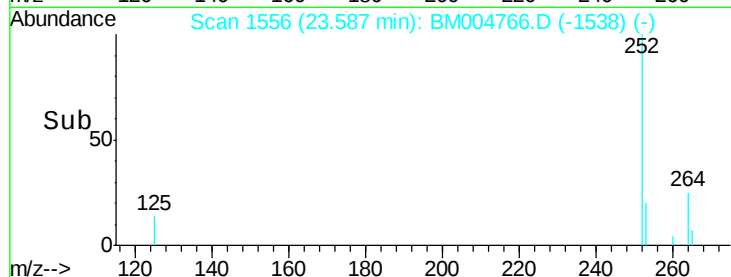
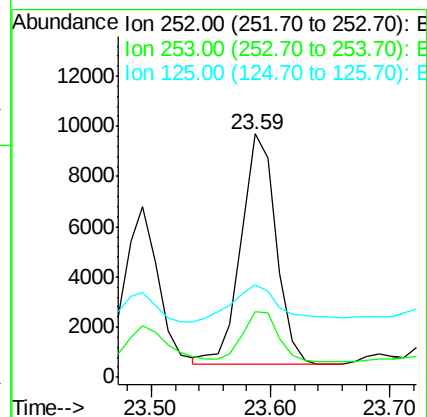
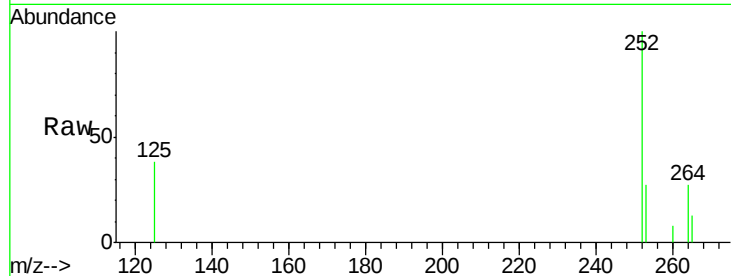
Tgt Ion:252 Resp: 18654

Ion Ratio Lower Upper

252 100

253 27.0 19.4 29.2

125 38.2 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BM004766.D

Acq: 25 Mar 2016 01:02

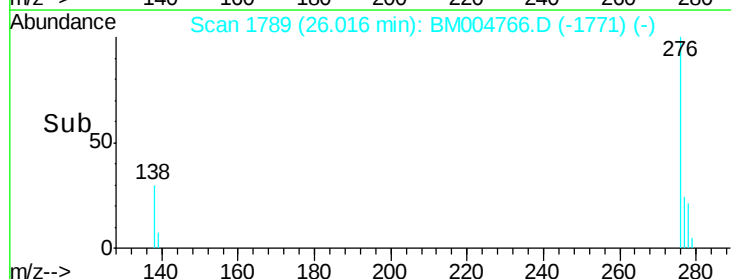
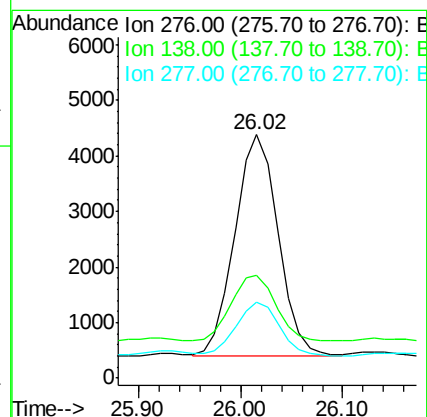
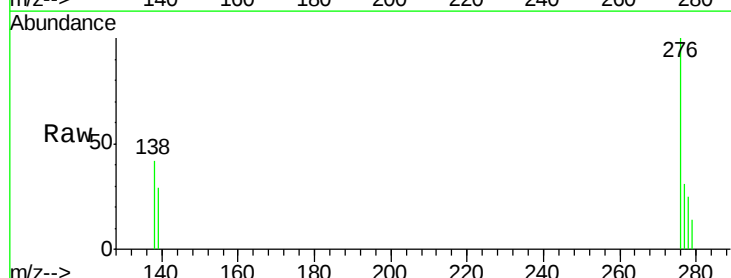
Tgt Ion:276 Resp: 11824

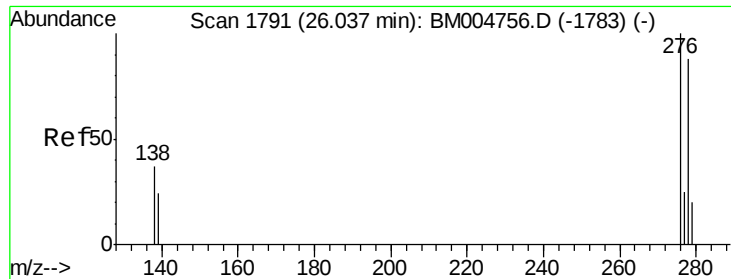
Ion Ratio Lower Upper

276 100

138 30.7 16.3 24.5#

277 24.1 19.8 29.8

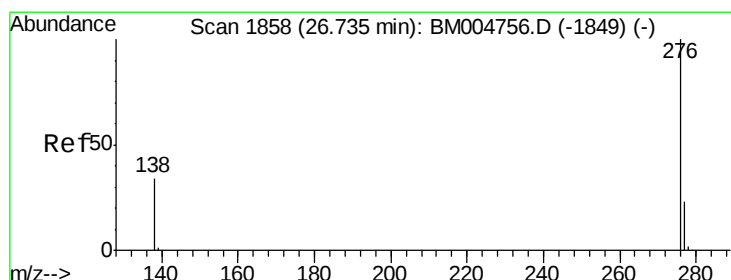
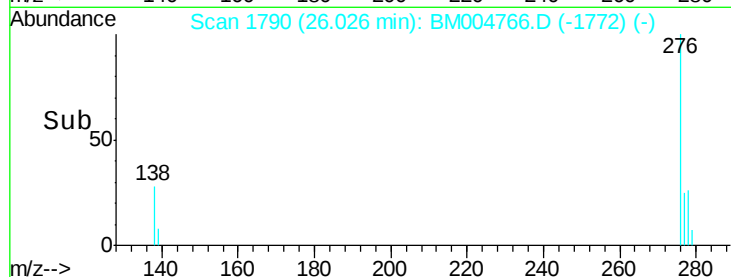
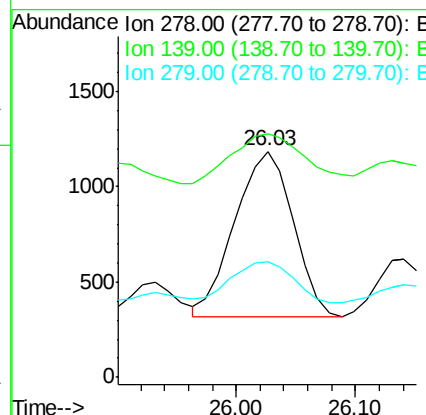
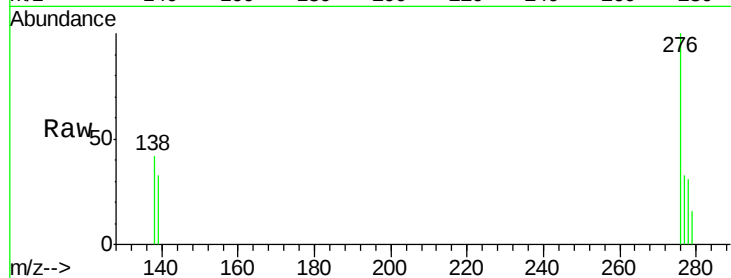




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 26.03 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BM004766.D
Acq: 25 Mar 2016 01:02

Instrument :
BNA_M
ClientSampleId :
A4T46

Tgt Ion: 278 Resp: 2964
Ion Ratio Lower Upper
278 100
139 107.8 16.4 24.6#
279 51.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.74 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM004766.D
Acq: 25 Mar 2016 01:02

Tgt Ion: 276 Resp: 10697
Ion Ratio Lower Upper
276 100
277 32.7 18.9 28.3#
138 44.5 22.5 33.7#

