

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004758.D
 Acq On : 24 Mar 2016 20:12
 Operator : UM/SJ
 Sample : H1909-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T38

Quant Time: Mar 25 03:21:39 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	2706	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	10869	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	5553	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	11288	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	10311	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	10163	5.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	5715	4.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1718	0.14	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3544	0.16	ng/ul	0.00

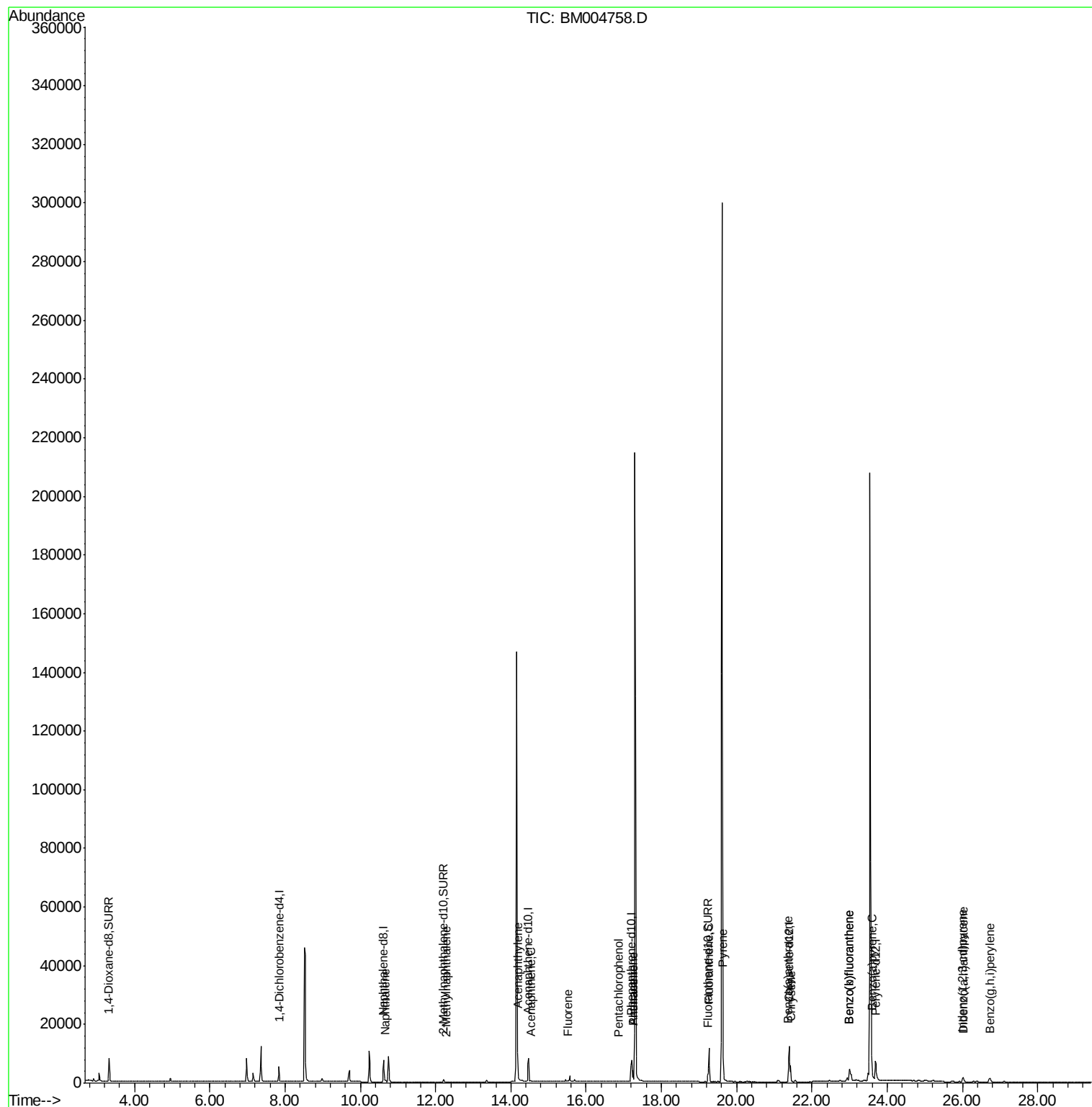
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	903	0.04	ng/ul#	79
7) 2-Methylnaphthalene	12.29	142	137	0.01	ng/ul	90
9) Acenaphthylene	14.18	152	665	0.03	ng/ul#	80
10) Acenaphthene	14.52	153	109	0.01	ng/ul#	82
11) Fluorene	15.51	166	209	0.01	ng/ul#	79
13) Pentachlorophenol	16.87	266	13	0.01	ng/ul#	1
14) Phenanthrene	17.24	178	4125	0.13	ng/ul#	95
15) Anthracene	17.24	178	4113	0.16	ng/ul	96
17) Fluoranthene	19.27	202	10630	0.33	ng/ul	96
19) Pyrene	19.63	202	11068	0.31	ng/ul	98
20) Benzo(a)anthracene	21.38	228	3781	0.15	ng/ul#	93
21) Chrysene	21.43	228	5642	0.17	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	9758	0.27	ng/ul	90
24) Benzo(k)fluoranthene	22.99	252	9758	0.26	ng/ul#	92
25) Benzo(a)pyrene	23.59	252	5435	0.18	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	26.01	276	2899	0.09	ng/ul#	87
27) Dibenzo(a,h)anthracene	26.03	278	609	0.02	ng/ul#	46
28) Benzo(g,h,i)perylene	26.72	276	2830	0.09	ng/ul#	86

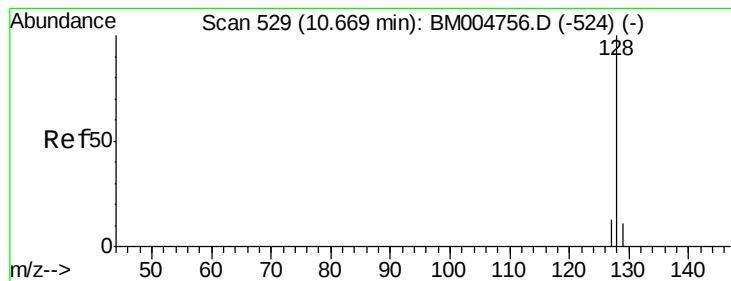
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

BNA_M

ClientSampleId :

A4T38

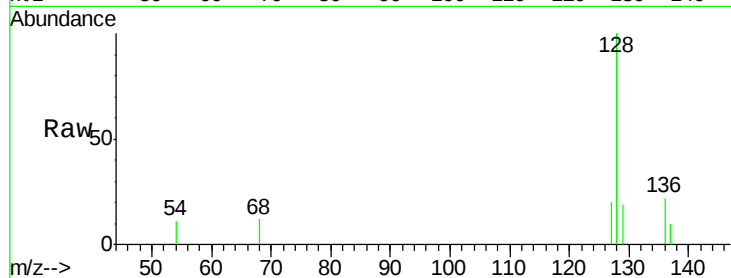
Tgt Ion:128 Resp: 903

Ion Ratio Lower Upper

128 100

129 19.4 9.0 13.6#

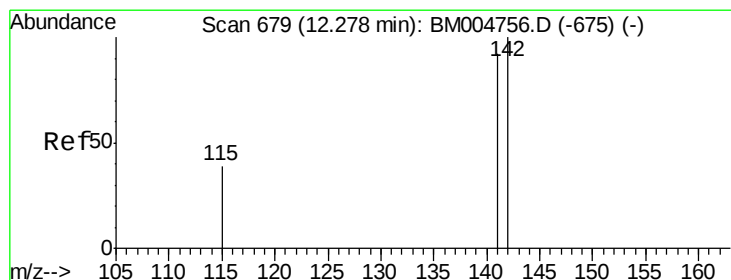
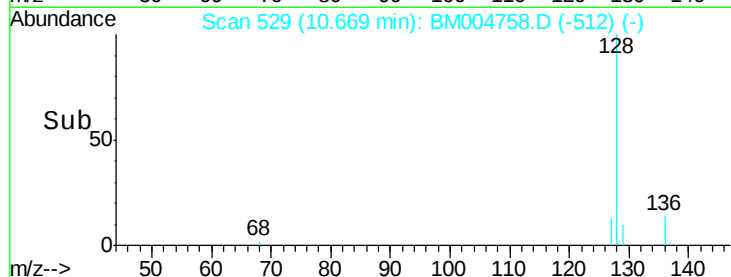
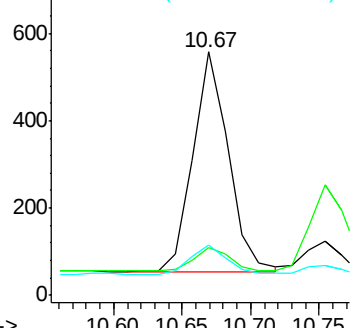
127 20.4 9.6 14.4#



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: 0.01 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004758.D

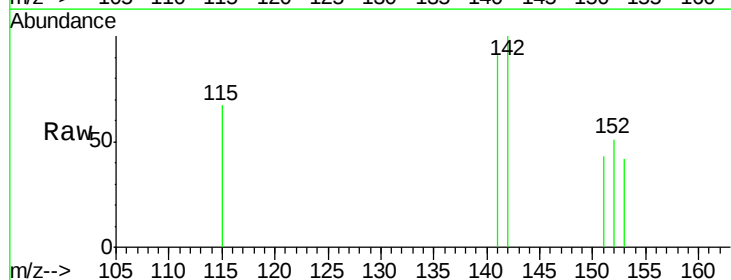
Acq: 24 Mar 2016 20:12

Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

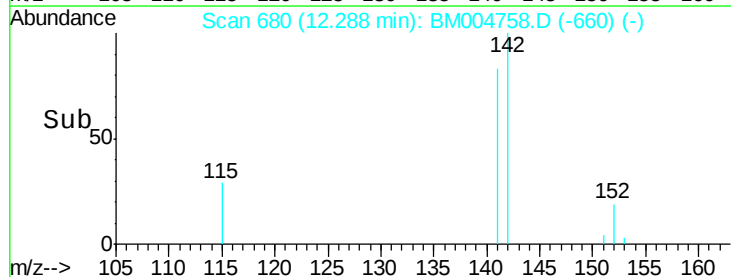
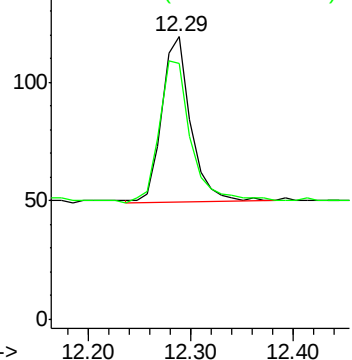
142 100

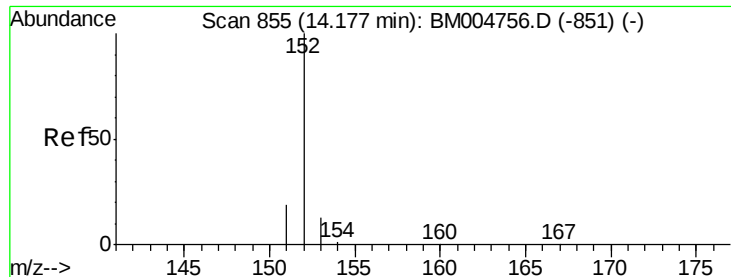
141 97.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

BNA_M

ClientSampleId :

A4T38

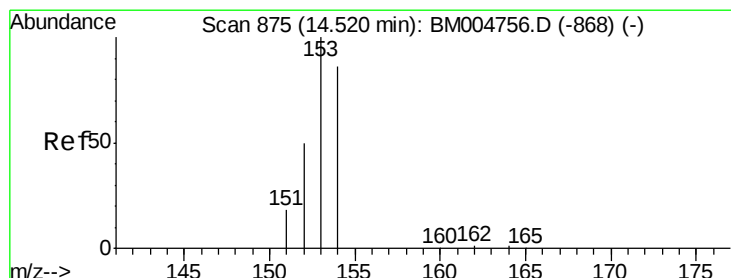
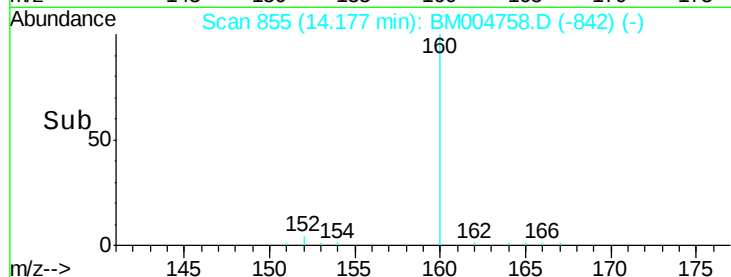
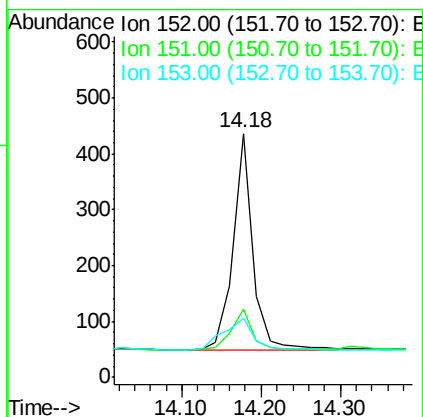
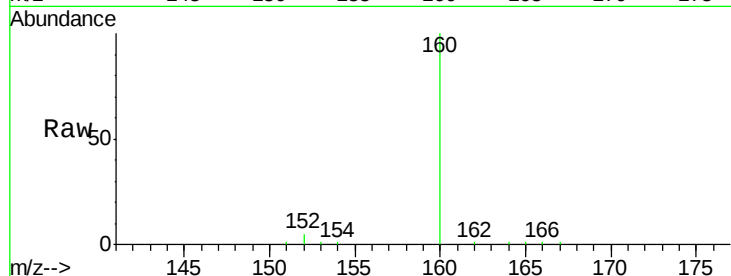
Tgt Ion:152 Resp: 665

Ion Ratio Lower Upper

152 100

151 28.2 17.6 26.4#

153 24.3 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

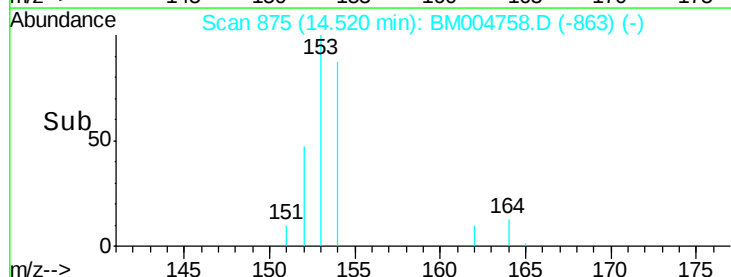
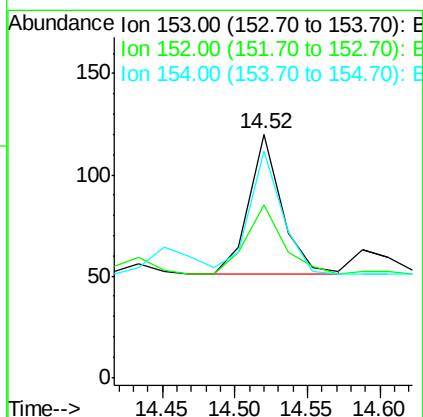
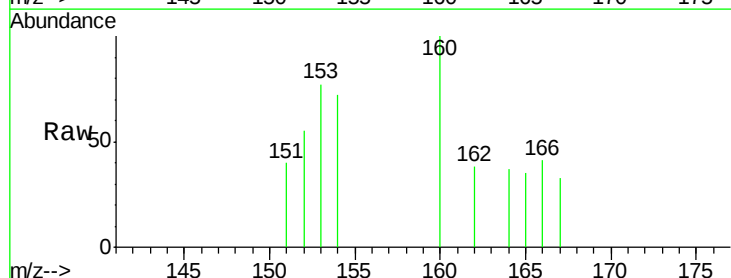
Tgt Ion:153 Resp: 109

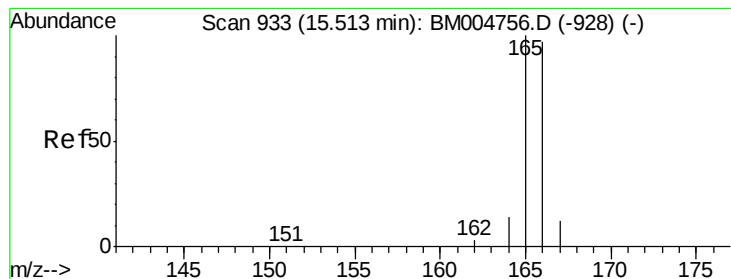
Ion Ratio Lower Upper

153 100

152 70.8 33.9 50.9#

154 93.3 80.6 121.0





#11

Fluorene

Concen: 0.01 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

BNA_M

ClientSampleId :

A4T38

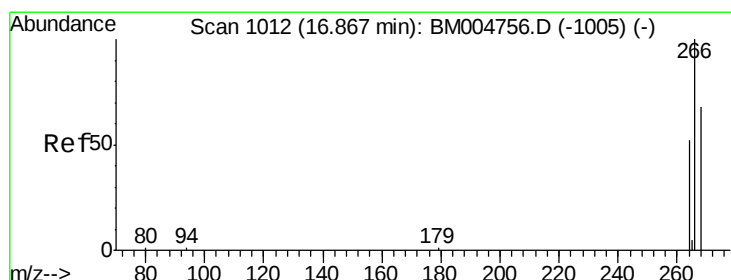
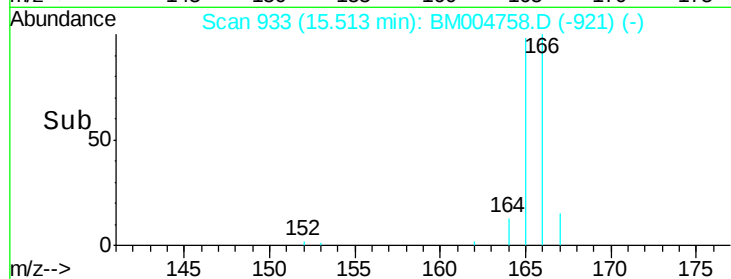
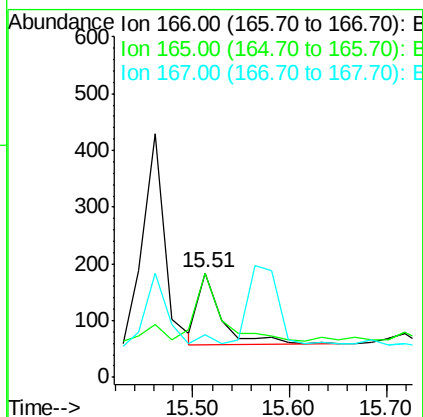
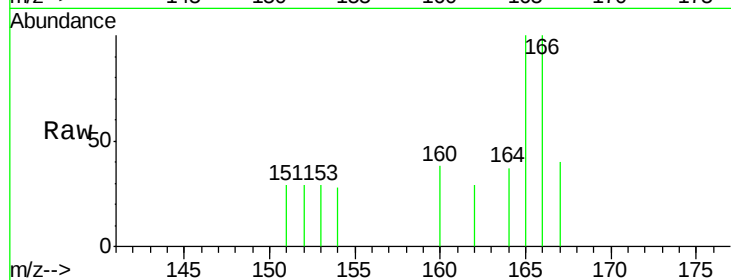
Tgt Ion:166 Resp: 209

Ion Ratio Lower Upper

166 100

165 100.0 69.6 104.4

167 40.2 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

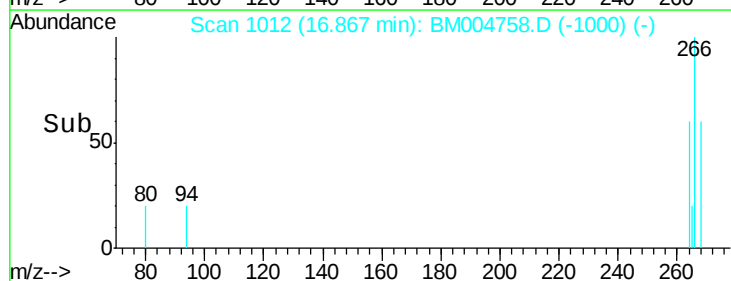
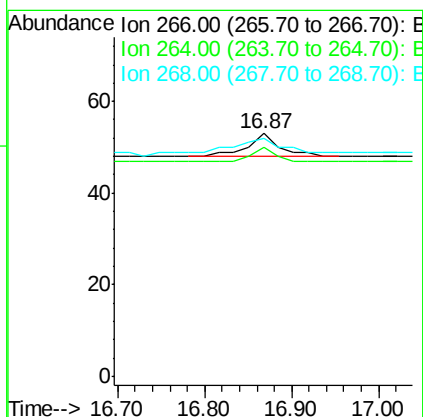
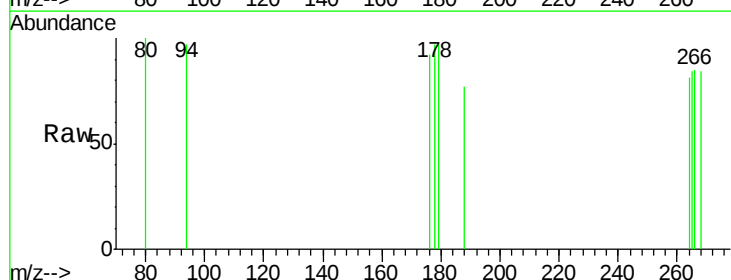
Tgt Ion:266 Resp: 13

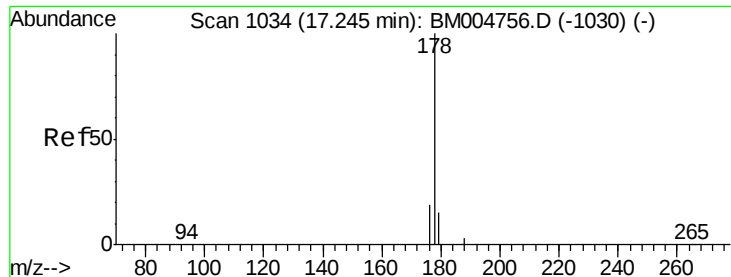
Ion Ratio Lower Upper

266 100

264 38.5 51.8 77.8#

268 192.3 46.8 70.2#





#14

Phenanthrene

Concen: 0.13 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

BNA_M

ClientSampleId :

A4T38

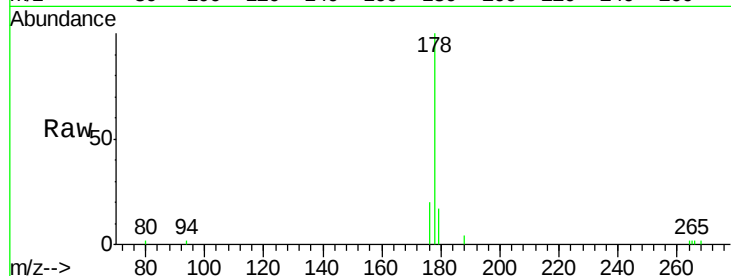
Tgt Ion:178 Resp: 4125

Ion Ratio Lower Upper

178 100

176 20.4 13.0 19.4#

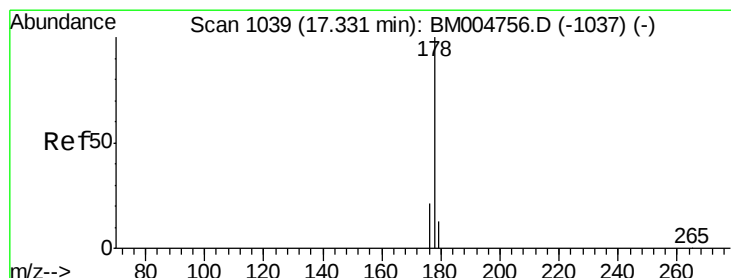
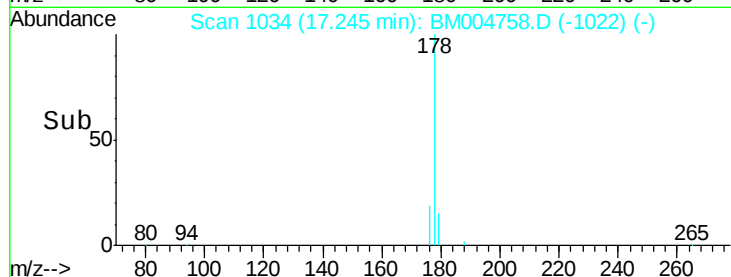
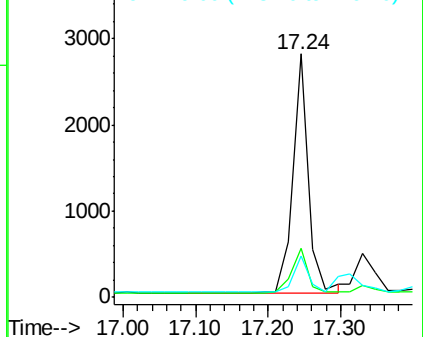
179 17.0 14.2 21.2



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: 0.16 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

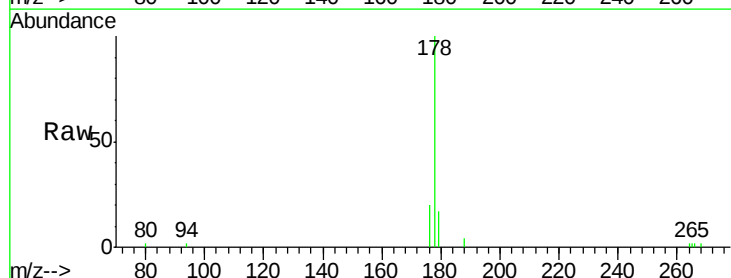
Tgt Ion:178 Resp: 4113

Ion Ratio Lower Upper

178 100

176 20.4 14.0 21.0

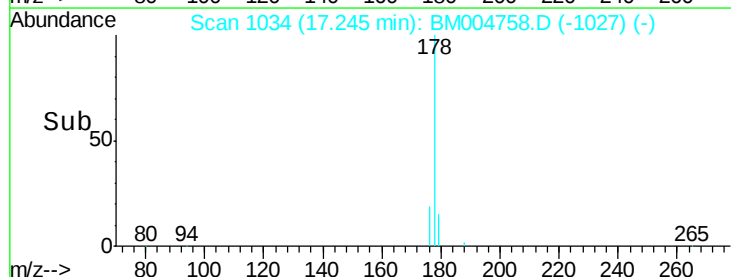
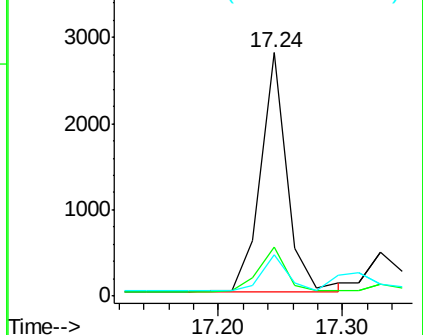
179 17.0 12.9 19.3

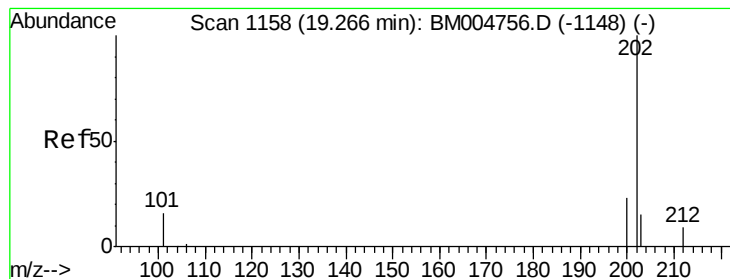


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.33 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

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ClientSampleId :

A4T38

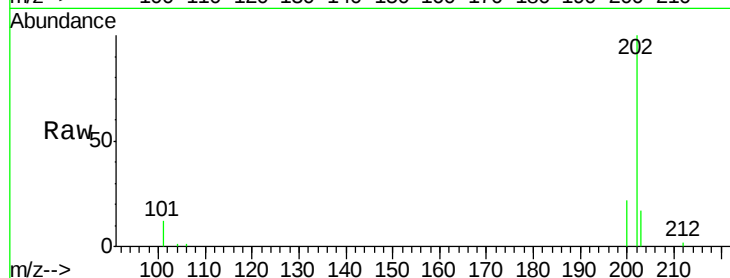
Tgt Ion:202 Resp: 10630

Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.6

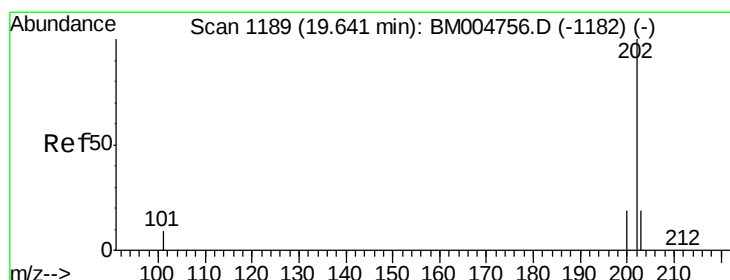
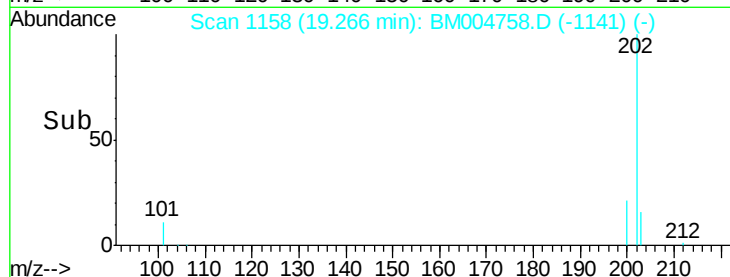
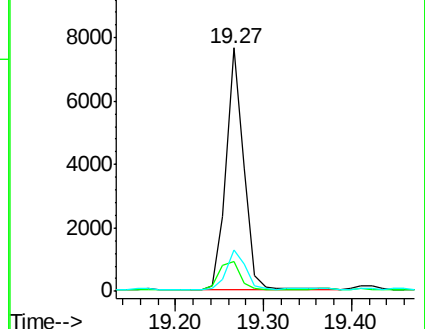
203 17.2 0.0 36.3



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: 0.31 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

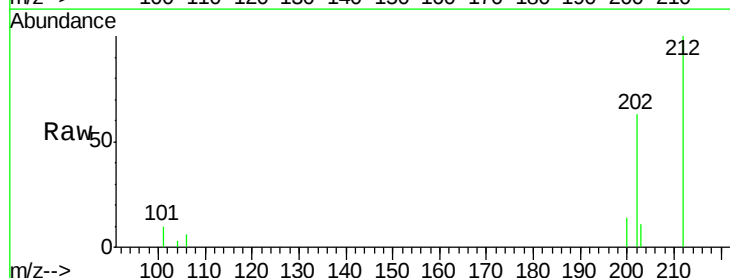
Tgt Ion:202 Resp: 11068

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

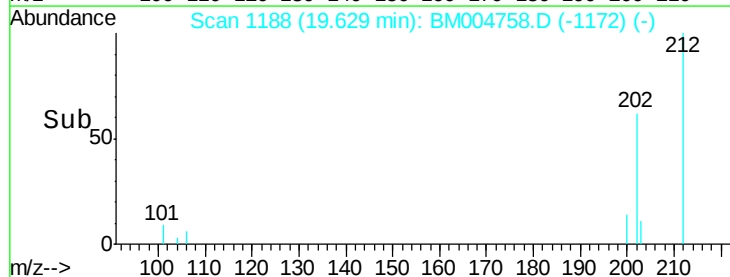
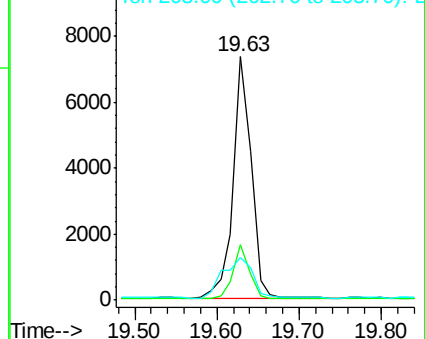
203 17.6 12.8 19.2

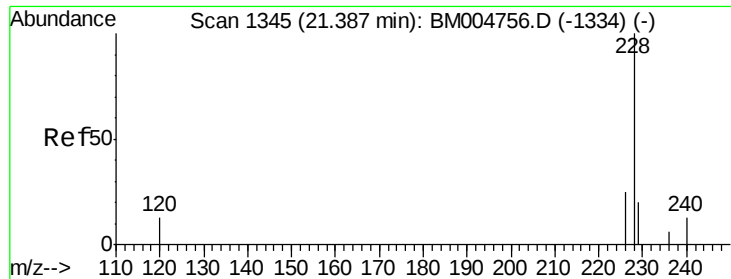


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

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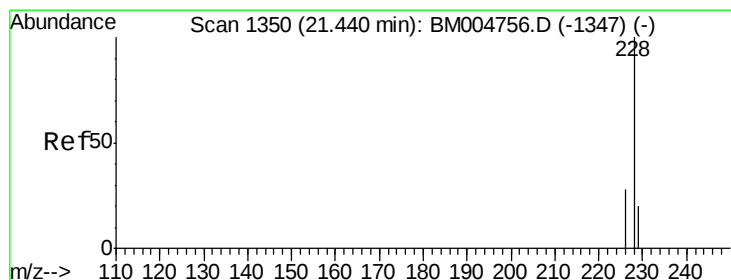
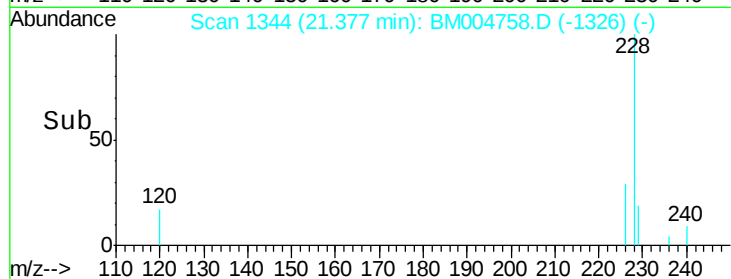
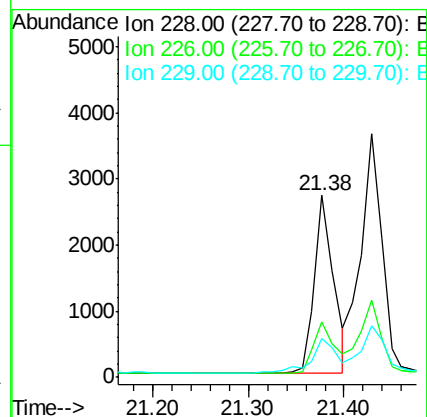
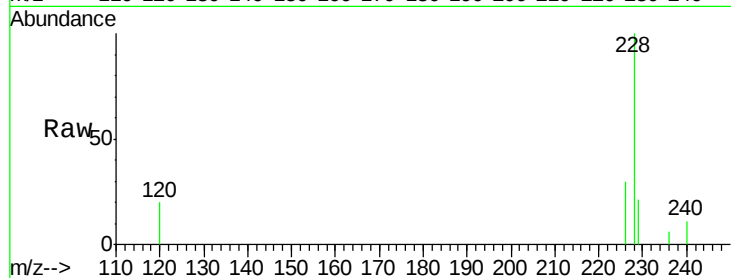
Tgt Ion:228 Resp: 3781

Ion Ratio Lower Upper

228 100

226 30.3 18.8 28.2#

229 21.3 17.1 25.7



#21

Chrysene

Concen: 0.17 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

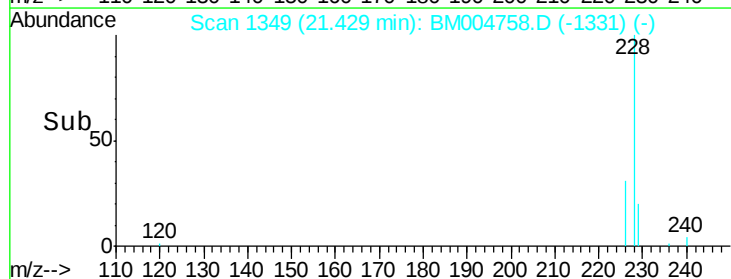
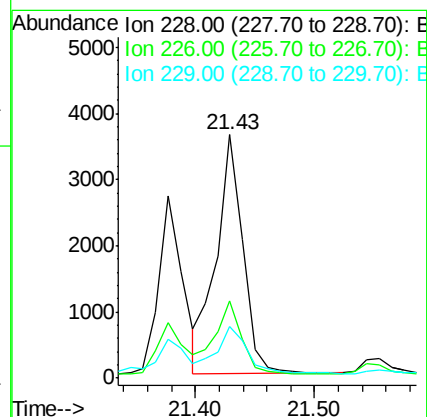
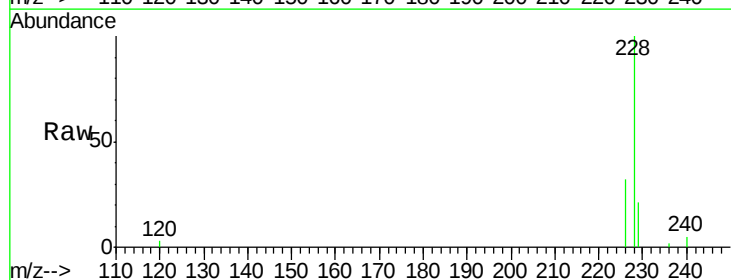
Tgt Ion:228 Resp: 5642

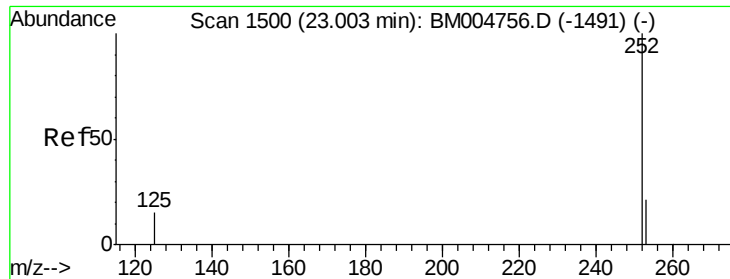
Ion Ratio Lower Upper

228 100

226 31.7 21.2 31.8

229 21.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.27 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

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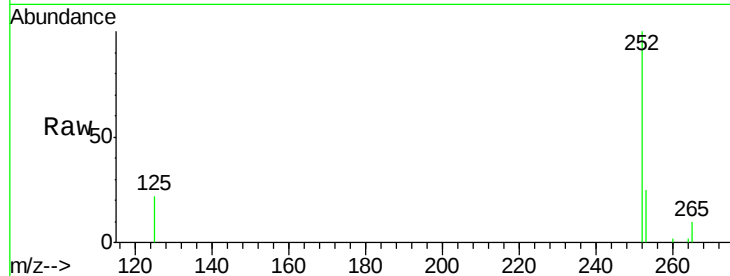
Tgt Ion:252 Resp: 9758

Ion Ratio Lower Upper

252 100

253 24.9 0.0 45.4

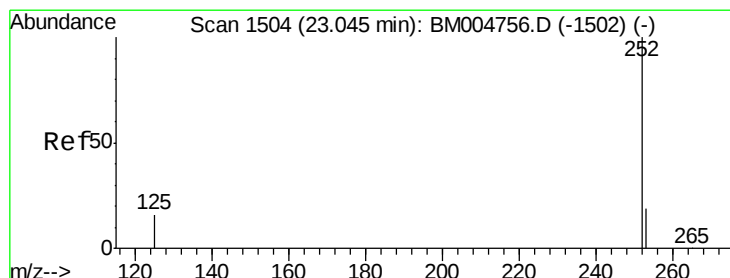
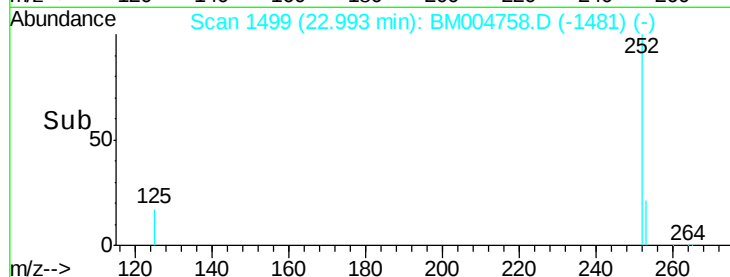
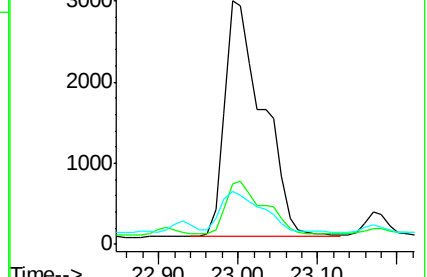
125 21.8 0.0 28.8



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: 0.26 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

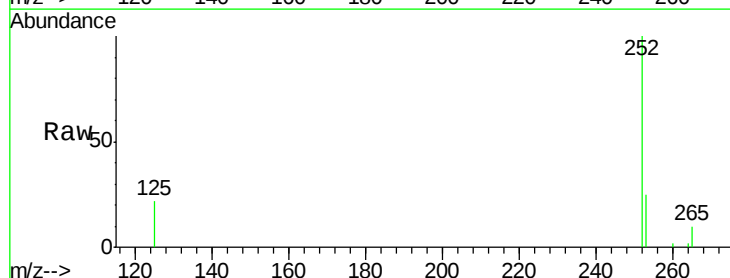
Tgt Ion:252 Resp: 9758

Ion Ratio Lower Upper

252 100

253 24.9 19.8 29.8

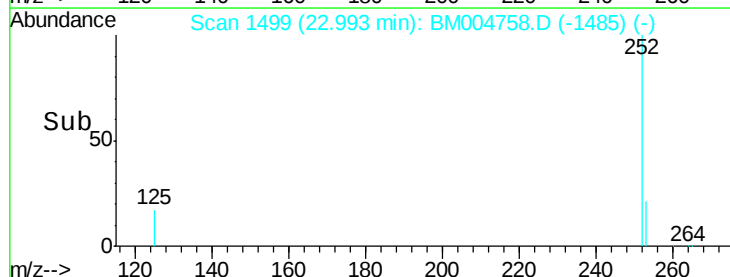
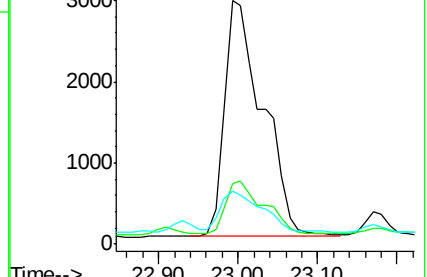
125 21.8 10.4 15.6#

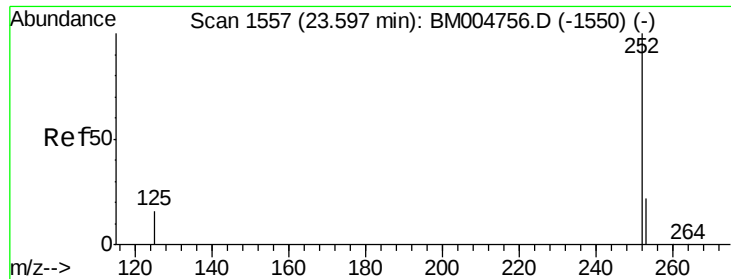


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

Instrument :

BNA_M

ClientSampleId :

A4T38

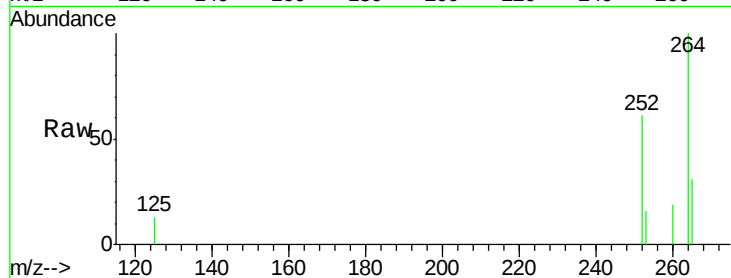
Tgt Ion: 252 Resp: 5435

Ion Ratio Lower Upper

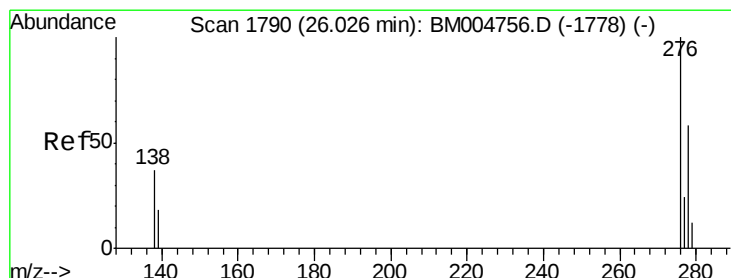
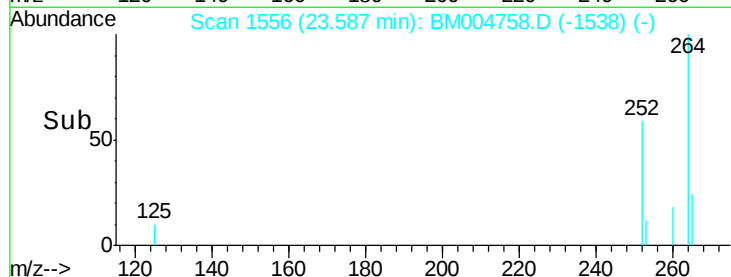
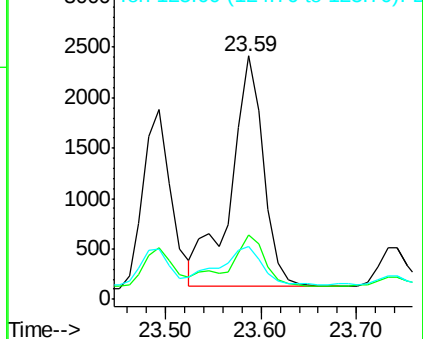
252 100

253 26.4 19.4 29.2

125 21.8 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: 0.09 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004758.D

Acq: 24 Mar 2016 20:12

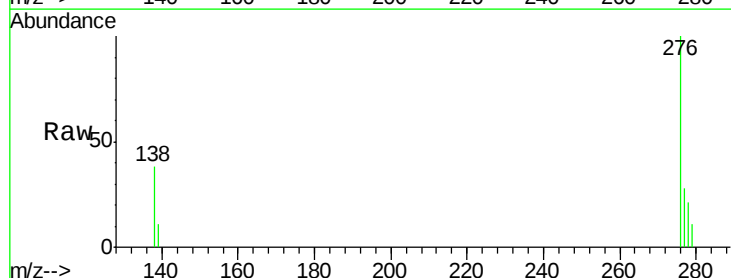
Tgt Ion: 276 Resp: 2899

Ion Ratio Lower Upper

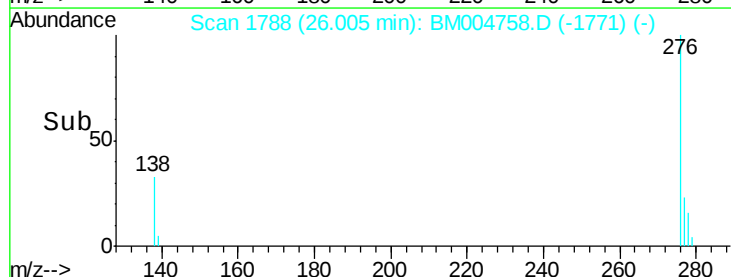
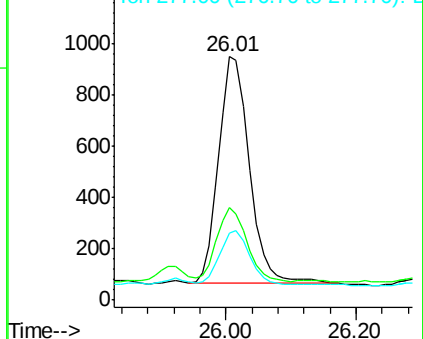
276 100

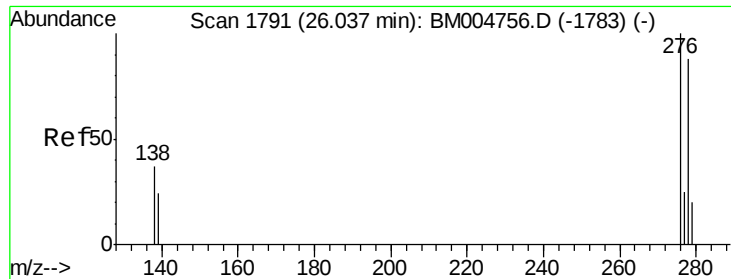
138 32.0 16.3 24.5#

277 23.1 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

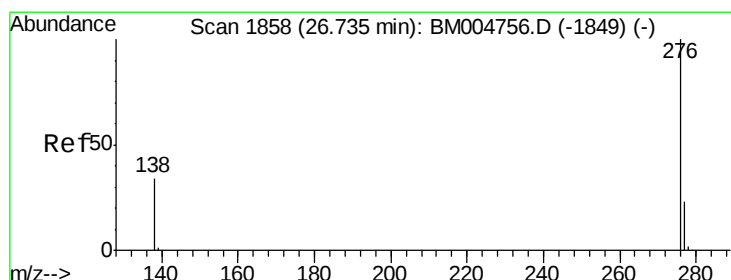
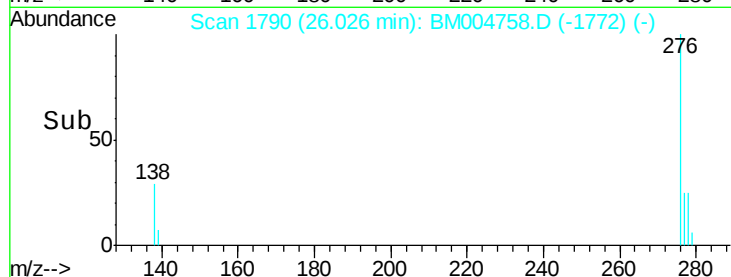
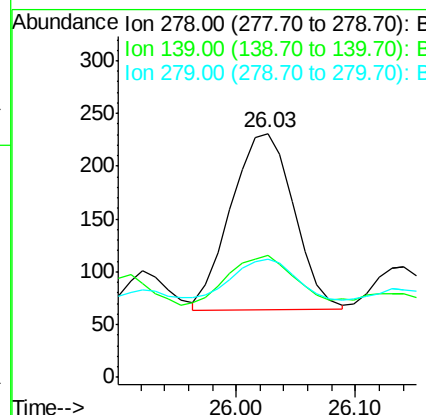
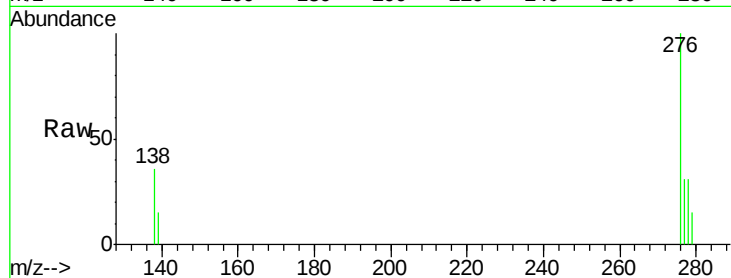




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 26.03 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BM004758.D
Acq: 24 Mar 2016 20:12

Instrument :
BNA_M
ClientSampleId :
A4T38

Tgt Ion: 278 Resp: 609
Ion Ratio Lower Upper
278 100
139 50.2 16.4 24.6#
279 48.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.72 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM004758.D
Acq: 24 Mar 2016 20:12

Tgt Ion: 276 Resp: 2830
Ion Ratio Lower Upper
276 100
277 28.5 18.9 28.3#
138 37.6 22.5 33.7#

