

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004759.D
 Acq On : 24 Mar 2016 20:48
 Operator : UM/SJ
 Sample : H1909-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T39

Quant Time: Mar 25 03:21:47 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	2354	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	9409	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4860	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	10154	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	9580	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	9211	5.00	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	5375	4.71	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1571	0.15	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3244	0.16	ng/ul	0.00

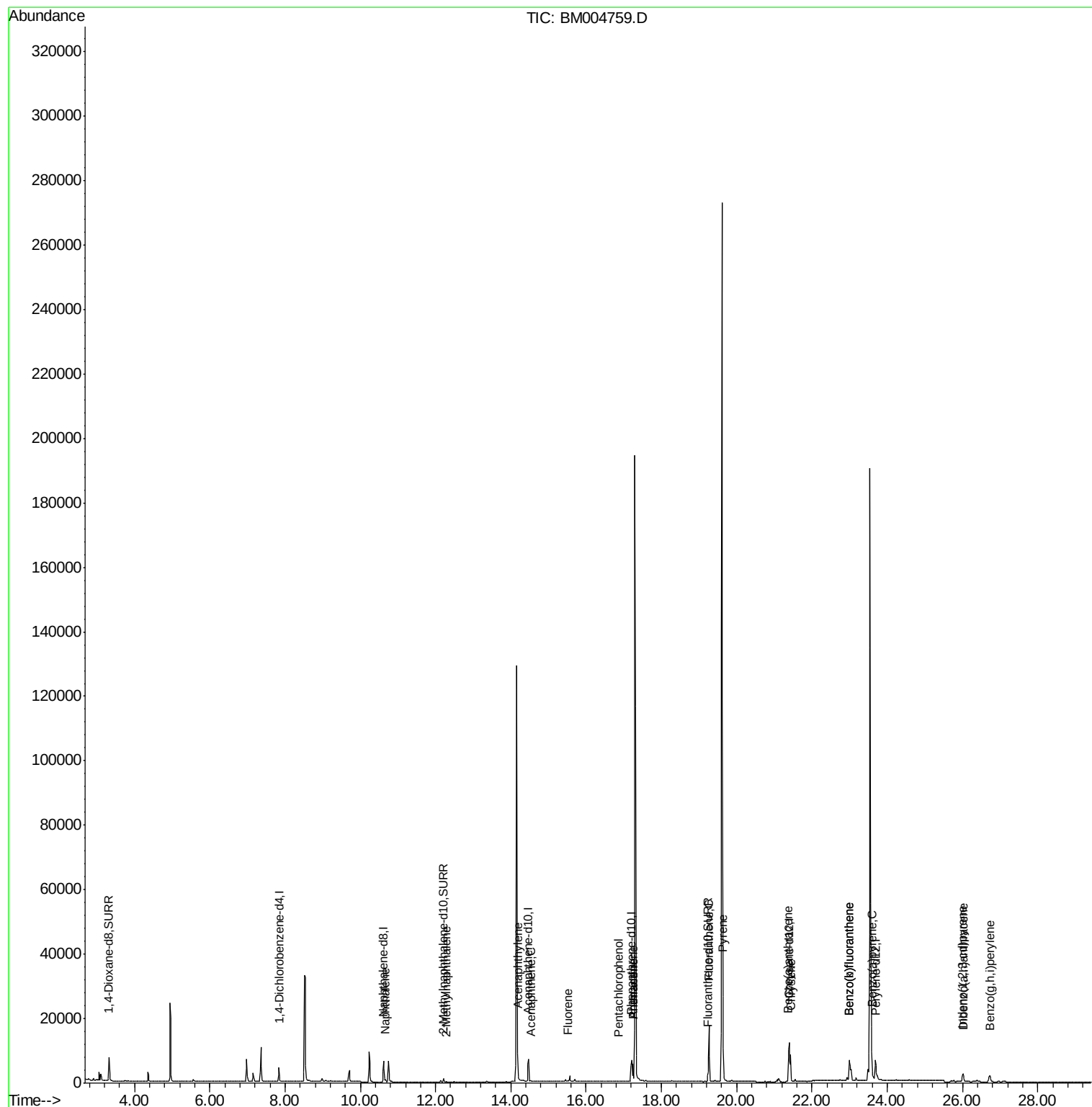
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1124	0.05	ng/ul#	82
7) 2-Methylnaphthalene	12.28	142	170	0.01	ng/ul	99
9) Acenaphthylene	14.18	152	977	0.05	ng/ul#	88
10) Acenaphthene	14.52	153	145	0.01	ng/ul#	82
11) Fluorene	15.51	166	282	0.02	ng/ul#	80
13) Pentachlorophenol	16.87	266	15	0.01	ng/ul#	40
14) Phenanthrene	17.24	178	5902	0.21	ng/ul#	94
15) Anthracene	17.24	178	5890	0.26	ng/ul	97
17) Fluoranthene	19.27	202	16337	0.57	ng/ul	97
19) Pyrene	19.63	202	16127	0.48	ng/ul	98
20) Benzo(a)anthracene	21.38	228	6359	0.28	ng/ul#	93
21) Chrysene	21.43	228	8357	0.27	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	14775	0.45	ng/ul	93
24) Benzo(k)fluoranthene	22.99	252	14775	0.44	ng/ul#	93
25) Benzo(a)pyrene	23.59	252	7704	0.28	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	26.01	276	4464	0.15	ng/ul#	87
27) Dibenzo(a,h)anthracene	26.02	278	924	0.04	ng/ul#	60
28) Benzo(g,h,i)perylene	26.72	276	4260	0.15	ng/ul#	90

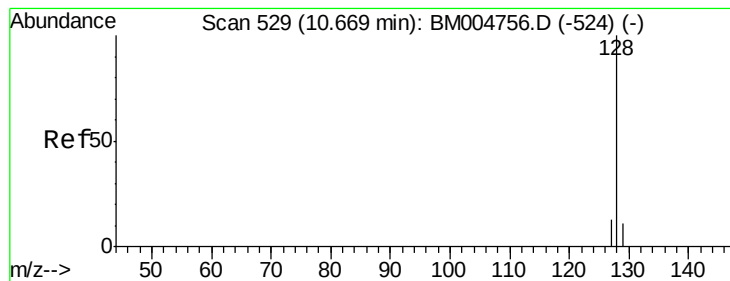
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampleId :

A4T39

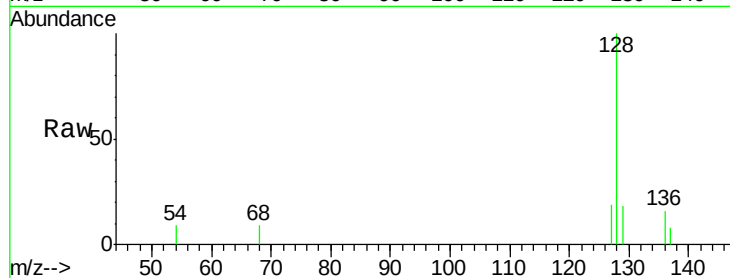
Tgt Ion:128 Resp: 1124

Ion Ratio Lower Upper

128 100

129 18.0 9.0 13.6#

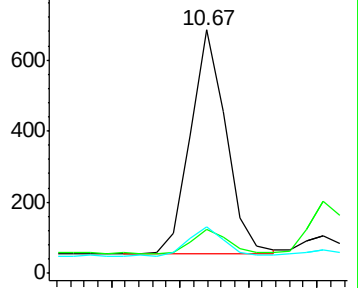
127 19.0 9.6 14.4#



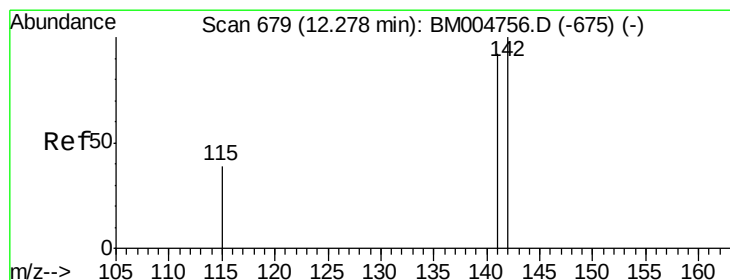
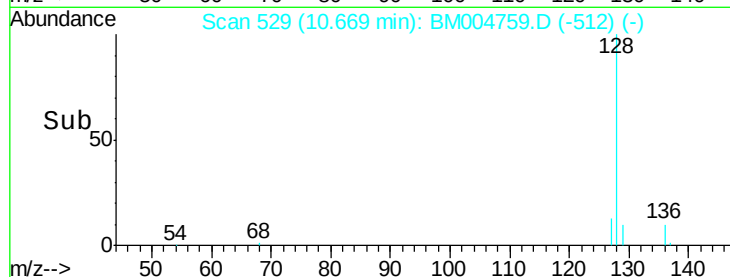
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004759.D

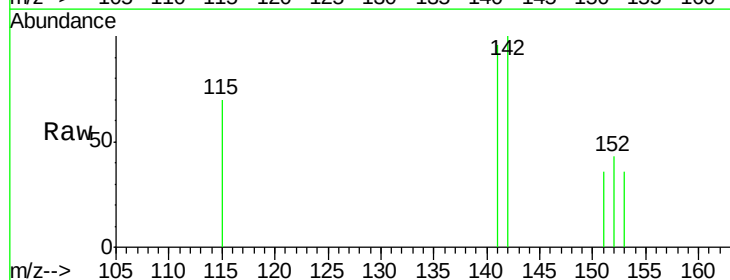
Acq: 24 Mar 2016 20:48

Tgt Ion:142 Resp: 170

Ion Ratio Lower Upper

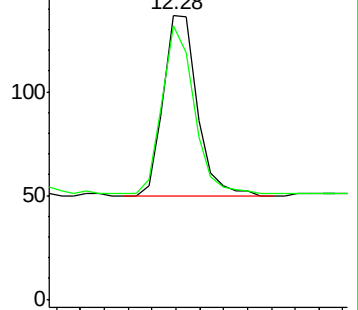
142 100

141 87.1 70.3 105.5

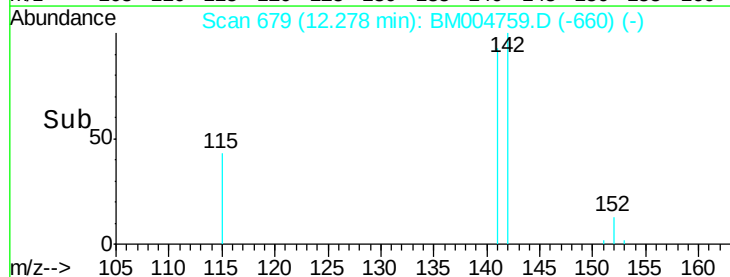


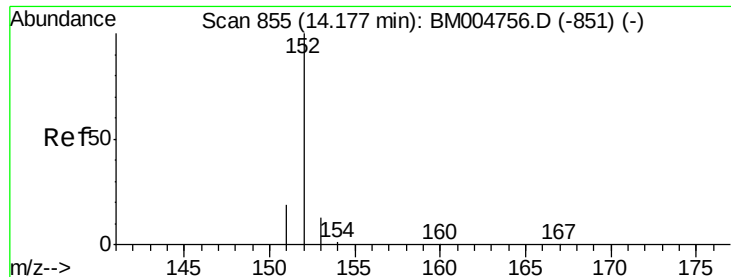
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampleId :

A4T39

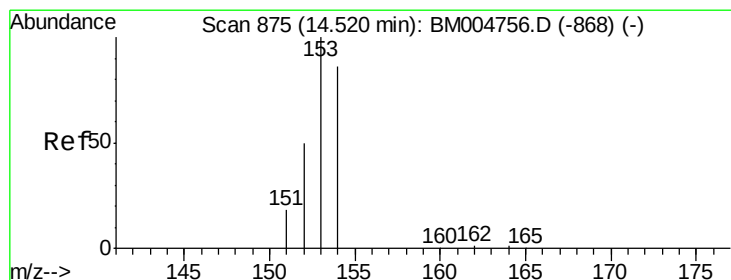
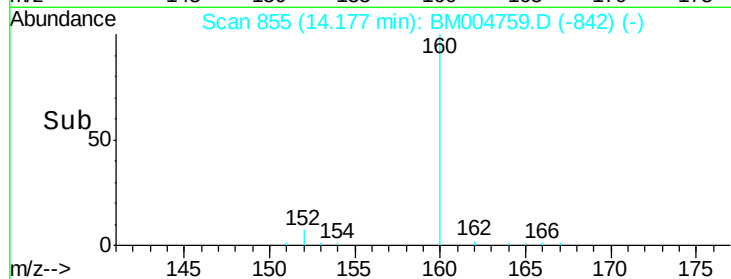
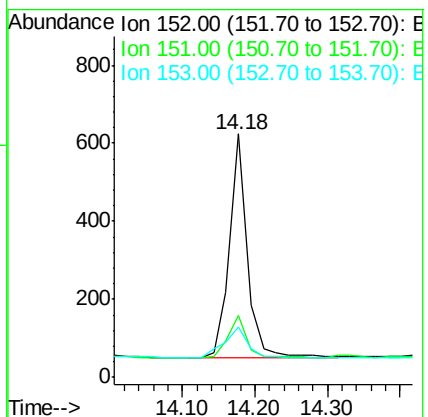
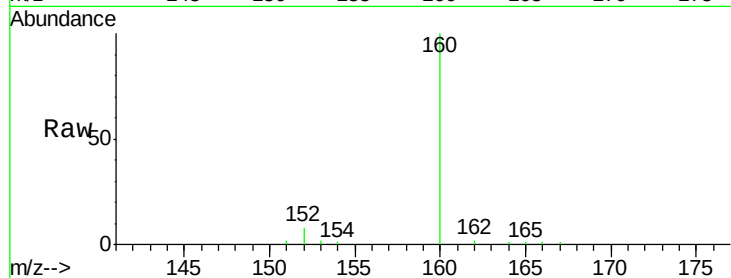
Tgt Ion:152 Resp: 977

Ion Ratio Lower Upper

152 100

151 25.5 17.6 26.4

153 20.5 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: BM004759.D

Acq: 24 Mar 2016 20:48

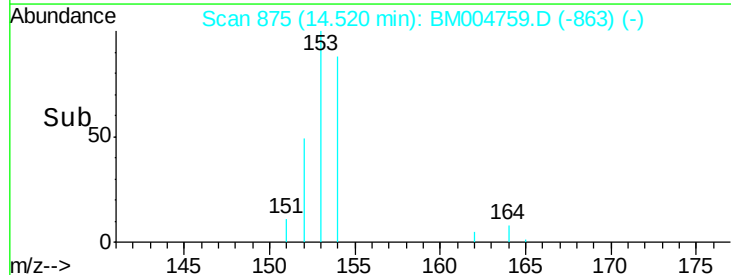
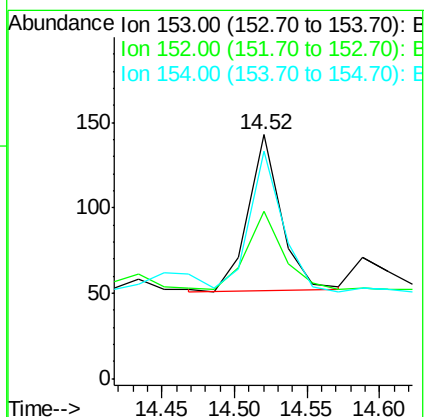
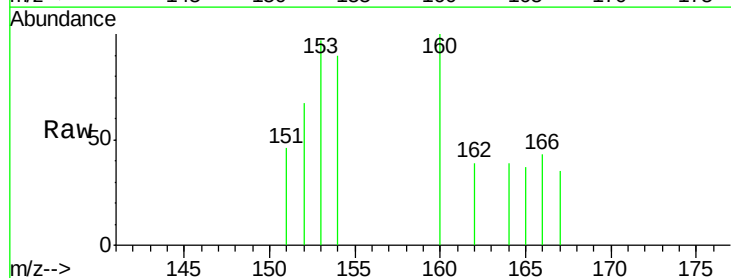
Tgt Ion:153 Resp: 145

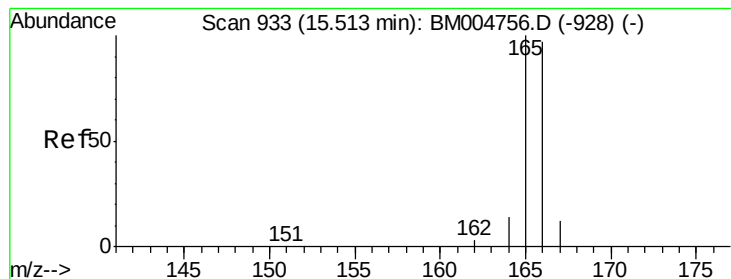
Ion Ratio Lower Upper

153 100

152 68.5 33.9 50.9#

154 93.0 80.6 121.0





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampled :

A4T39

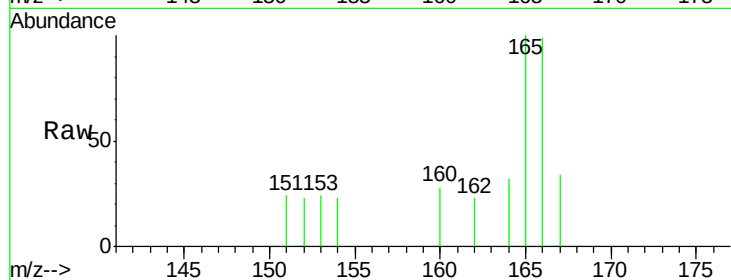
Tgt Ion:166 Resp: 282

Ion Ratio Lower Upper

166 100

165 101.3 69.6 104.4

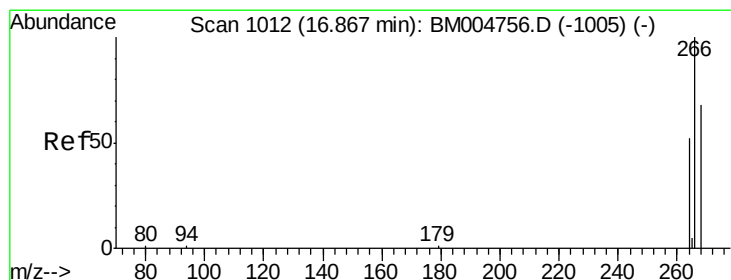
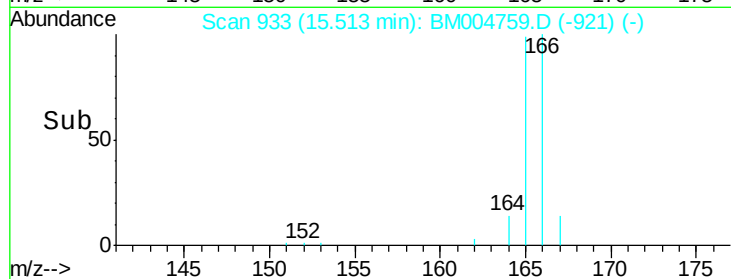
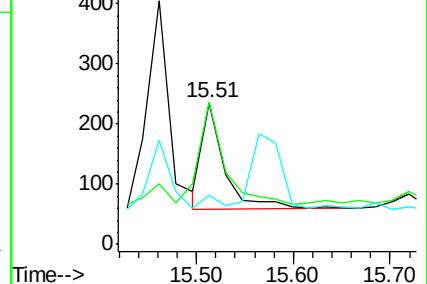
167 34.9 11.9 17.9#



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: 0.01 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

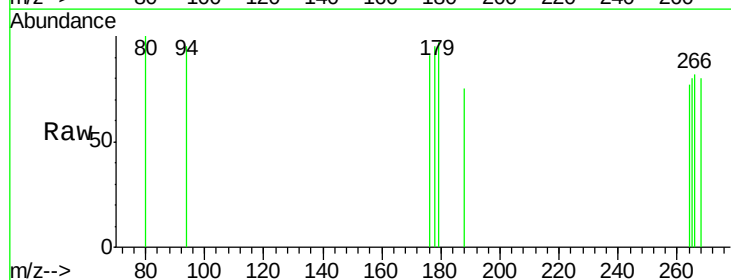
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 40.0 51.8 77.8#

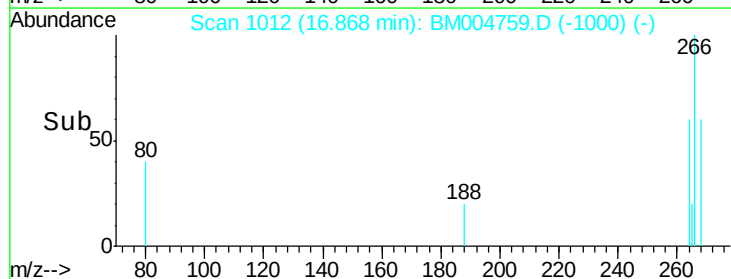
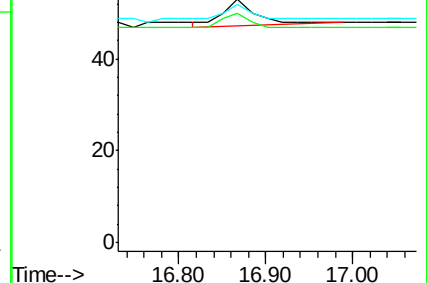
268 126.7 46.8 70.2#

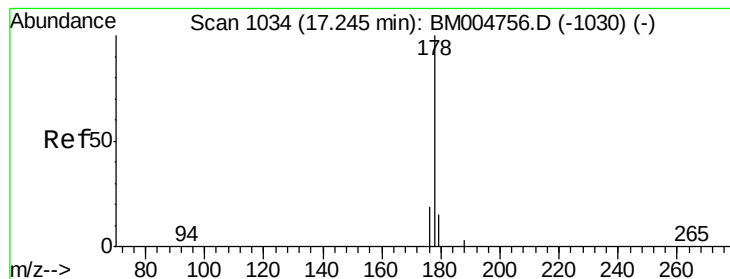


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.21 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampleId :

A4T39

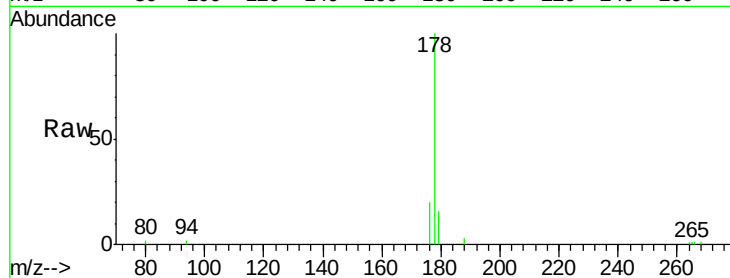
Tgt Ion:178 Resp: 5902

Ion Ratio Lower Upper

178 100

176 19.9 13.0 19.4#

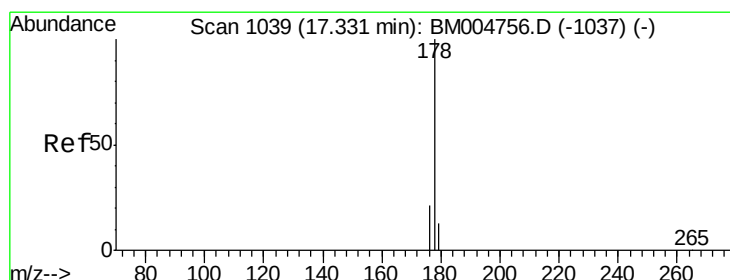
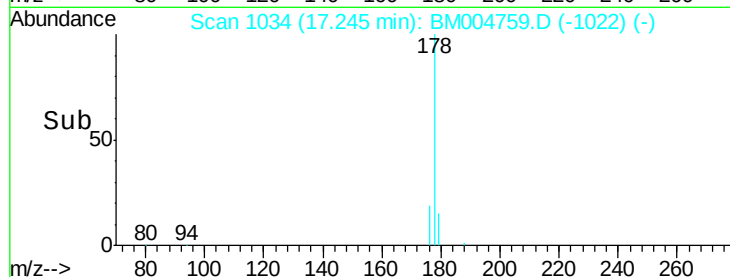
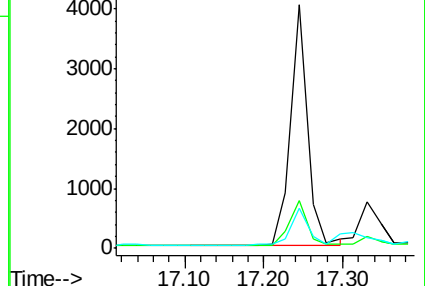
179 16.5 14.2 21.2



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: 0.26 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

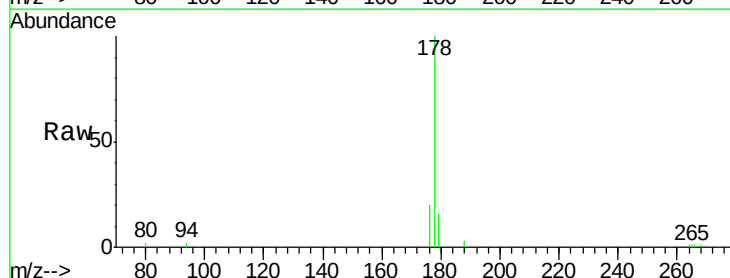
Tgt Ion:178 Resp: 5890

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

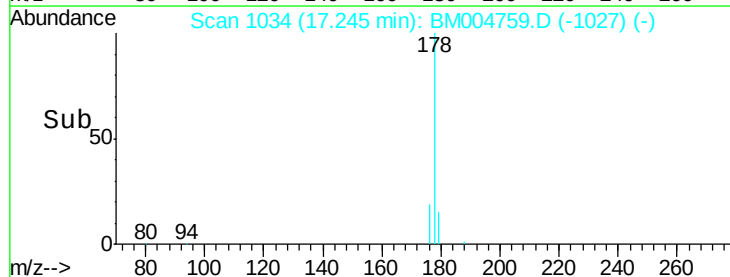
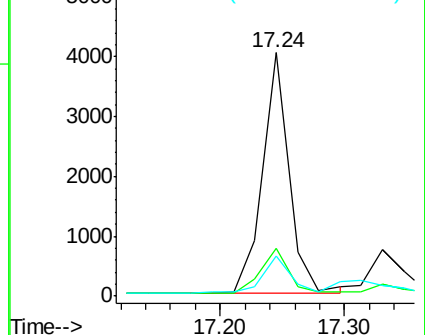
179 16.5 12.9 19.3

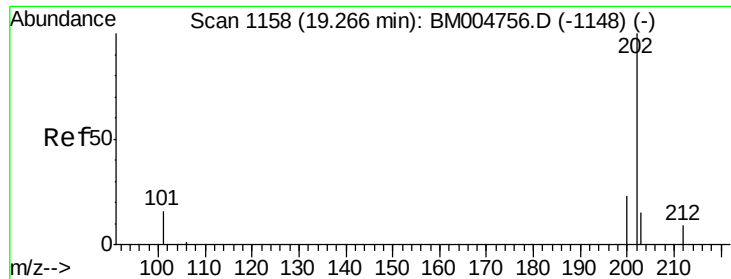


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.57 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

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ClientSampleId :

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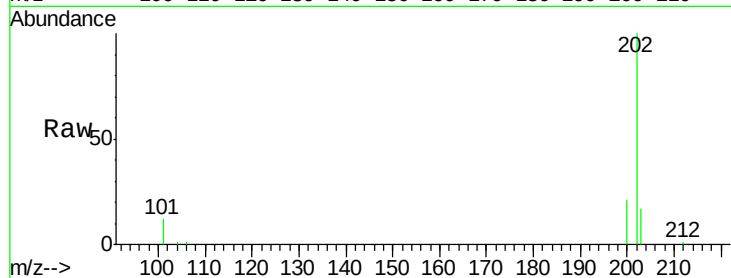
Tgt Ion:202 Resp: 16337

Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.6

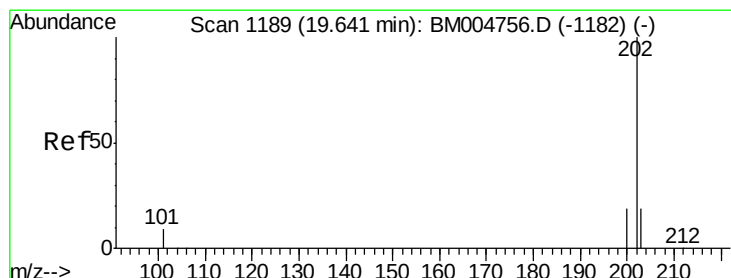
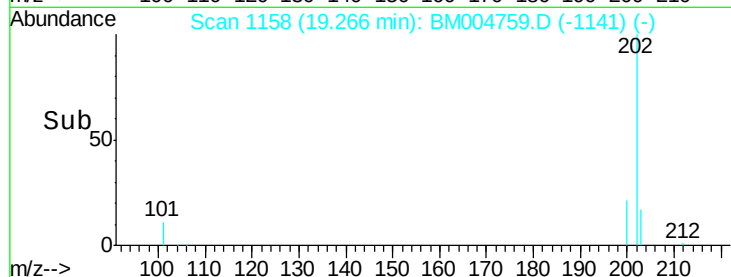
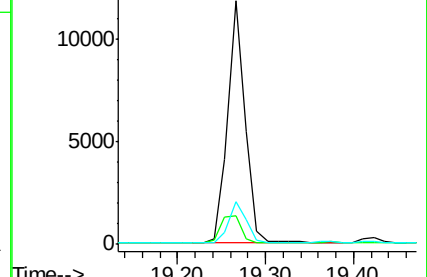
203 17.3 0.0 36.3



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: 0.48 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

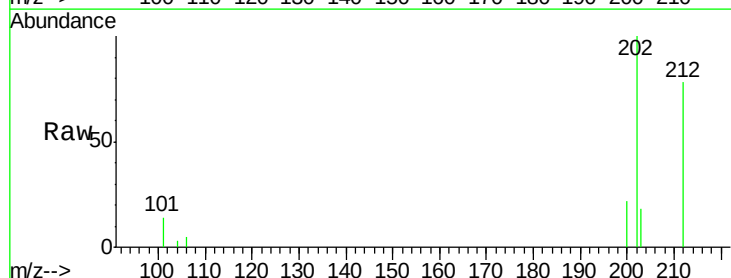
Tgt Ion:202 Resp: 16127

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.8

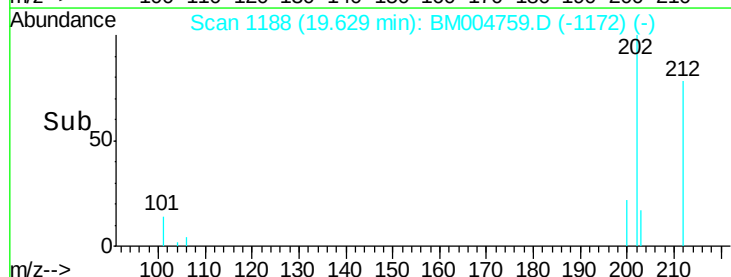
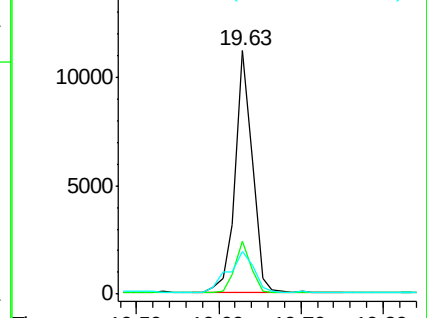
203 17.5 12.8 19.2

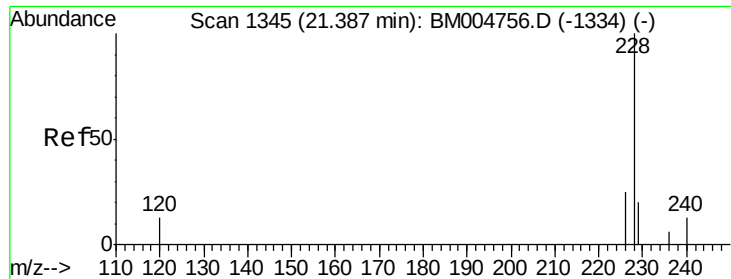


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.28 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

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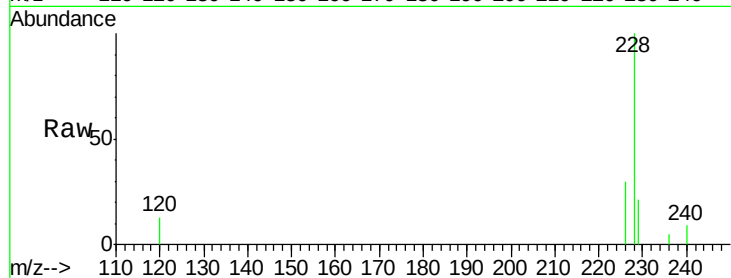
Tgt Ion:228 Resp: 6359

Ion Ratio Lower Upper

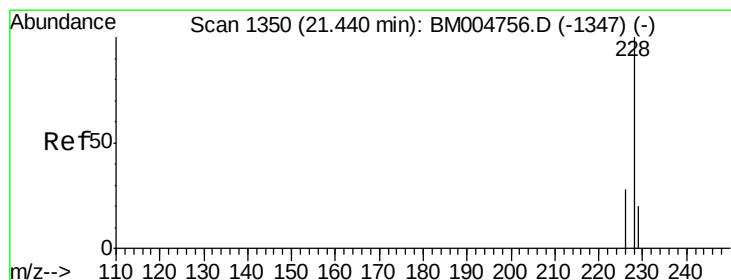
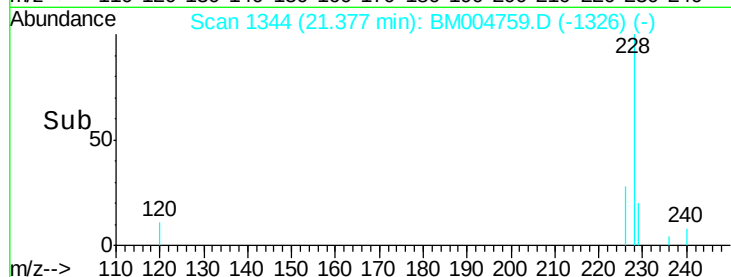
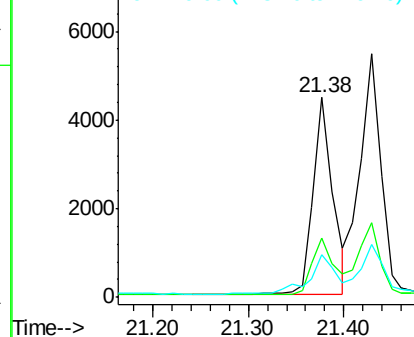
228 100

226 29.7 18.8 28.2#

229 21.5 17.1 25.7



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

Chrysene

Concen: 0.27 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

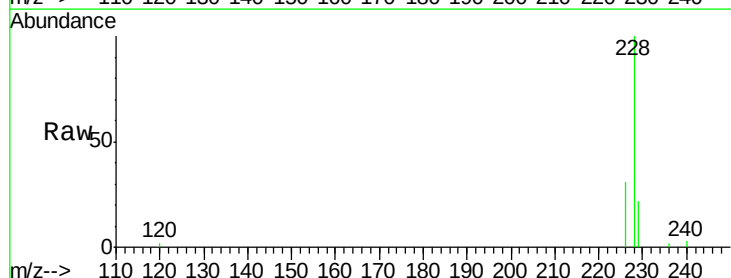
Tgt Ion:228 Resp: 8357

Ion Ratio Lower Upper

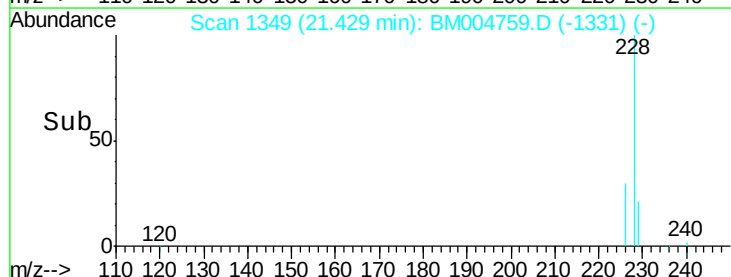
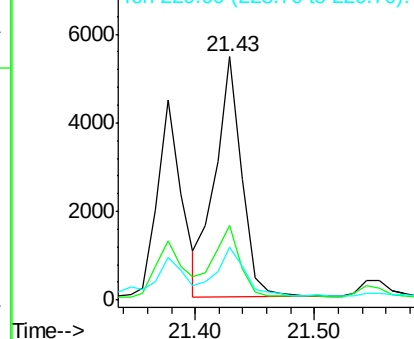
228 100

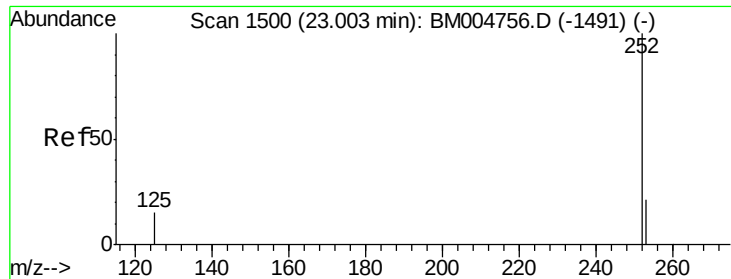
226 30.6 21.2 31.8

229 21.8 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

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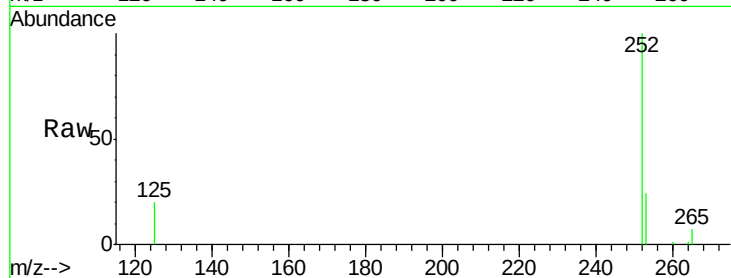
Tgt Ion:252 Resp: 14775

Ion Ratio Lower Upper

252 100

253 23.9 0.0 45.4

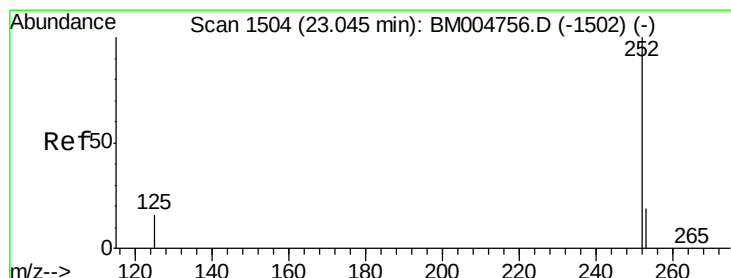
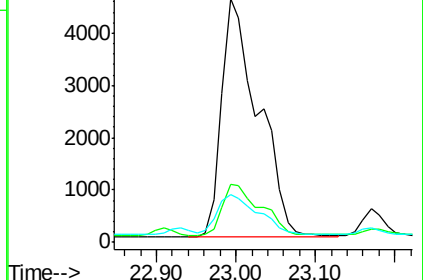
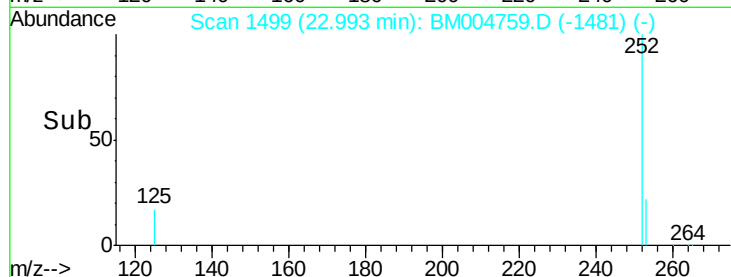
125 19.8 0.0 28.8



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: 0.44 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

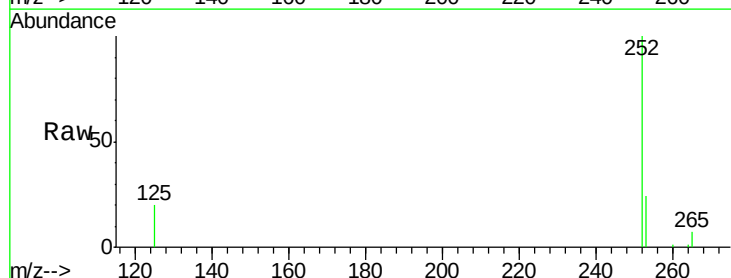
Tgt Ion:252 Resp: 14775

Ion Ratio Lower Upper

252 100

253 23.9 19.8 29.8

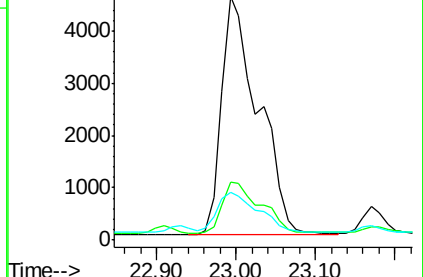
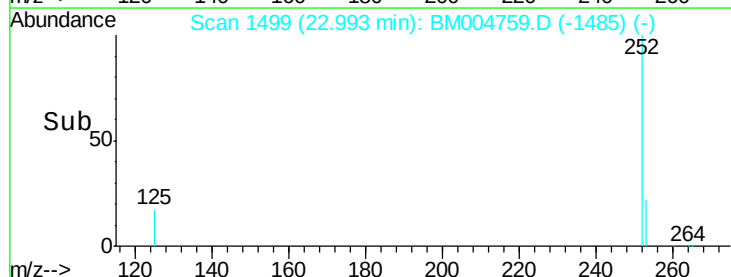
125 19.8 10.4 15.6#

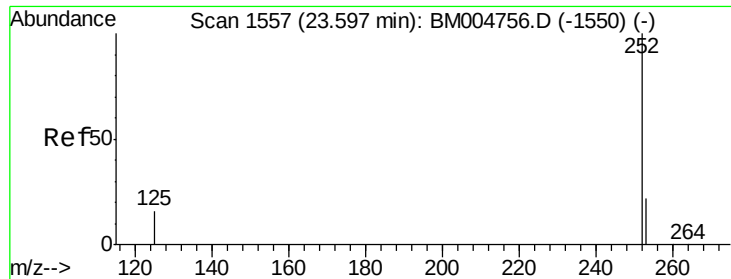


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.28 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampleId :

A4T39

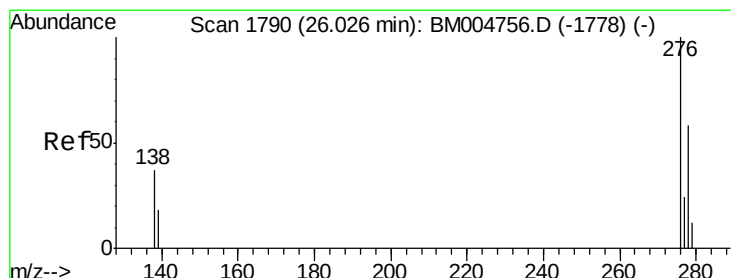
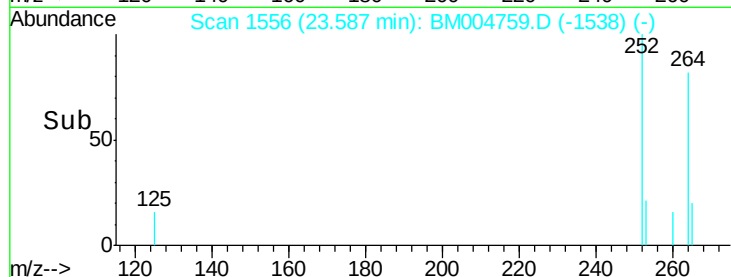
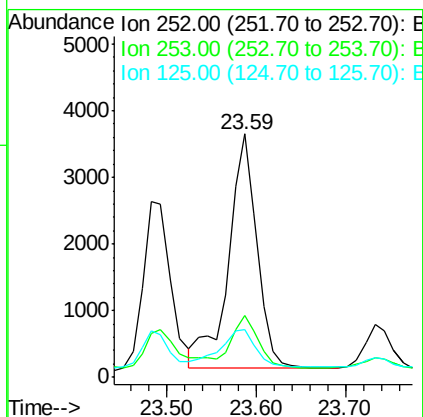
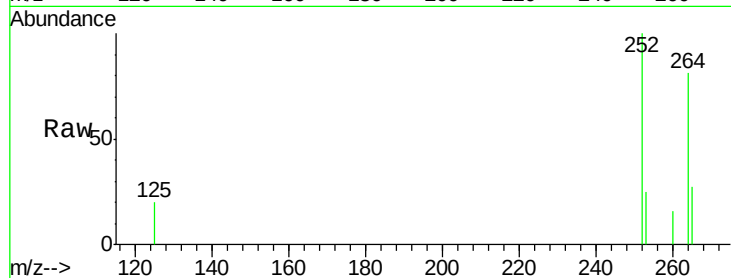
Tgt Ion:252 Resp: 7704

Ion Ratio Lower Upper

252 100

253 25.5 19.4 29.2

125 19.6 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.15 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

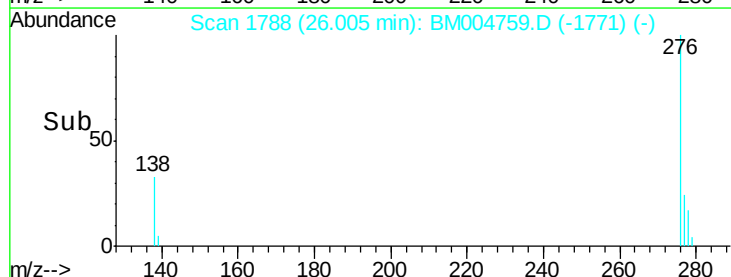
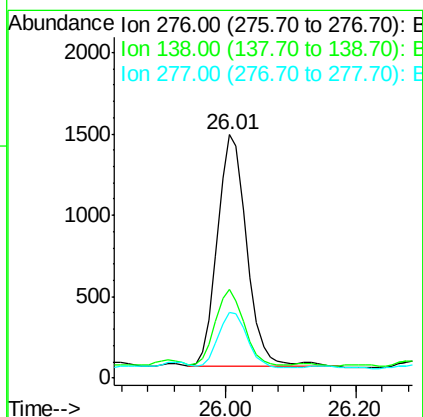
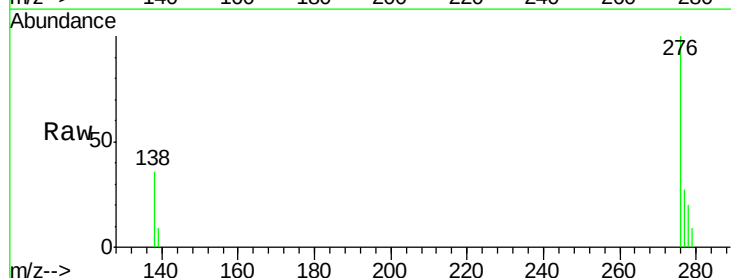
Tgt Ion:276 Resp: 4464

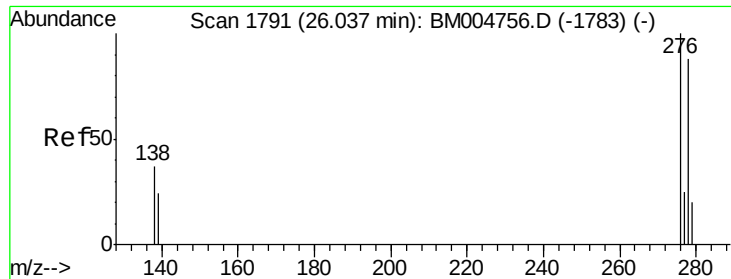
Ion Ratio Lower Upper

276 100

138 31.5 16.3 24.5#

277 23.1 19.8 29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Instrument :

BNA_M

ClientSampleId :

A4T39

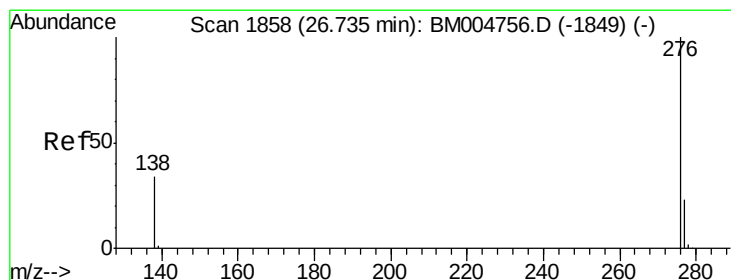
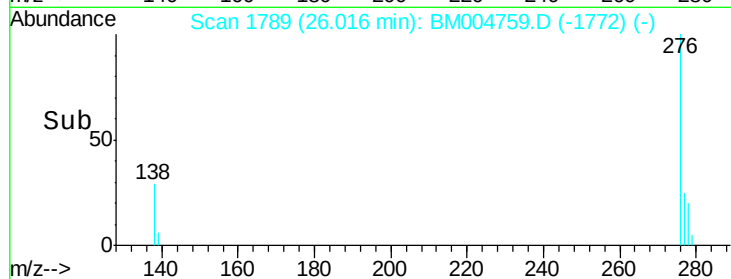
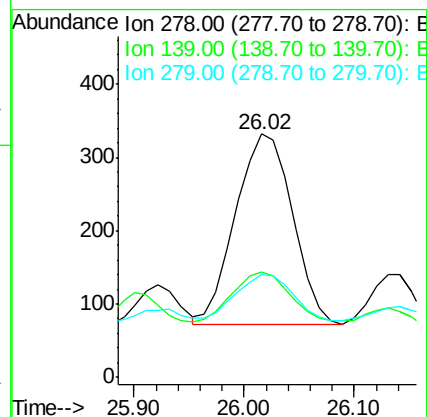
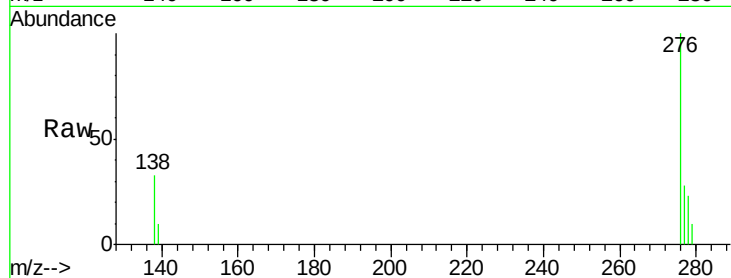
Tgt Ion: 278 Resp: 924

Ion Ratio Lower Upper

278 100

139 43.1 16.4 24.6#

279 42.2 20.2 30.2#



#28

Benzo(g,h,i)perylene

Concen: 0.15 ng/ul

RT: 26.72 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM004759.D

Acq: 24 Mar 2016 20:48

Tgt Ion: 276 Resp: 4260

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 35.3 22.5 33.7#

