

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004754.D
 Acq On : 24 Mar 2016 13:27
 Operator : UM/SJ
 Sample : H1909-22
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T56

Quant Time: Mar 25 02:30:28 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 02:29:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1180	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4678	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2317	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5074	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	4538	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	3828	5.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.31	96	50	0.09	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.22	152	1859	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4789	0.47	ng/ul	0.00

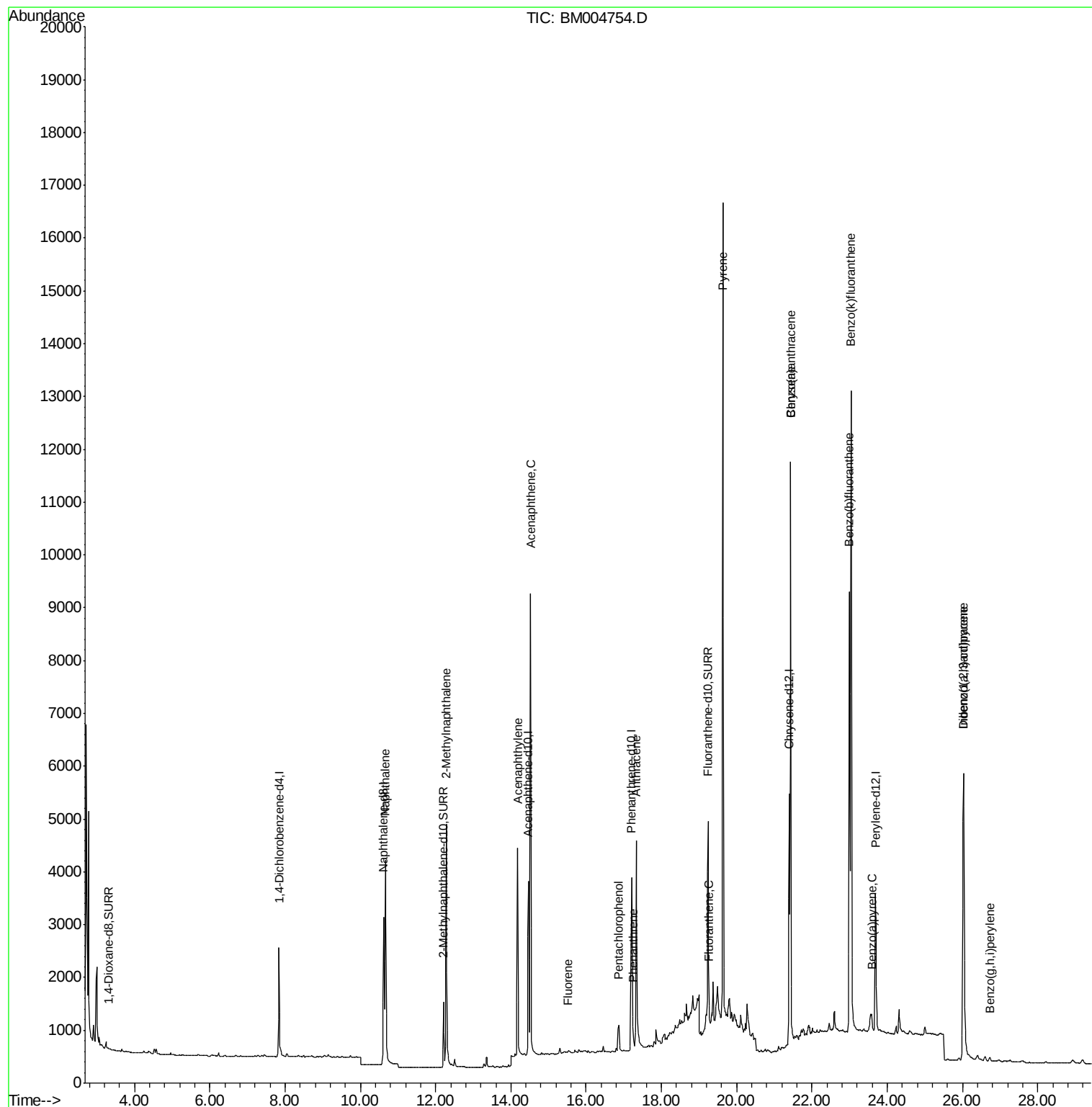
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	5921	0.54	ng/ul#	96
7) 2-Methylnaphthalene	12.28	142	4070	0.58	ng/ul	98
9) Acenaphthylene	14.18	152	5039	0.59	ng/ul	96
10) Acenaphthene	14.52	153	5363	0.70	ng/ul	87
11) Fluorene	15.51	166	42	0.01	ng/ul#	41
13) Pentachlorophenol	16.87	266	528	0.78	ng/ul	95
14) Phenanthrene	17.24	178	368	0.03	ng/ul#	57
15) Anthracene	17.33	178	6358	0.56	ng/ul#	94
17) Fluoranthene	19.27	202	143	0.01	ng/ul#	1
19) Pyrene	19.63	202	14685	0.93	ng/ul	98
20) Benzo(a)anthracene	21.43	228	9964	0.93	ng/ul#	92
21) Chrysene	21.43	228	10076	0.68	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	10975	0.80	ng/ul	94
24) Benzo(k)fluoranthene	23.03	252	16905	1.22	ng/ul#	92
25) Benzo(a)pyrene	23.59	252	435	0.04	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	26.03	276	2123	0.17	ng/ul#	42
27) Dibenzo(a,h)anthracene	26.03	278	8676	0.88	ng/ul#	91
28) Benzo(g,h,i)perylene	26.72	276	45	0.00	ng/ul#	1

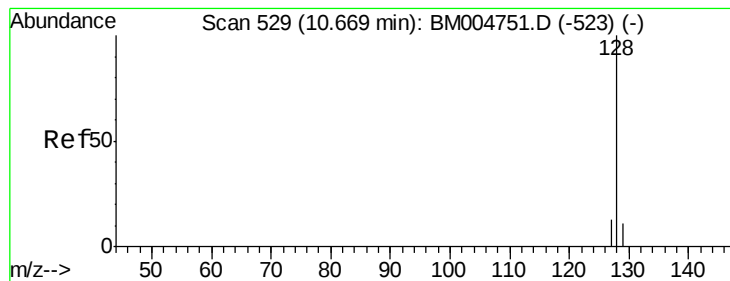
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.54 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

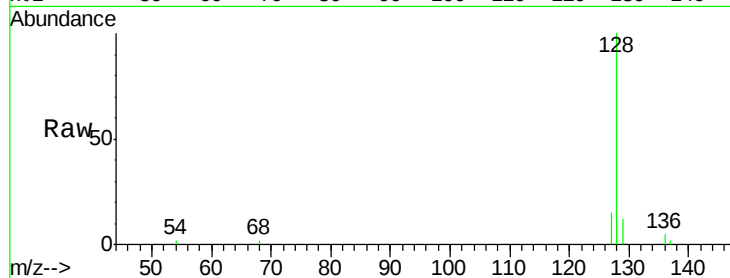
Tgt Ion:128 Resp: 5921

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

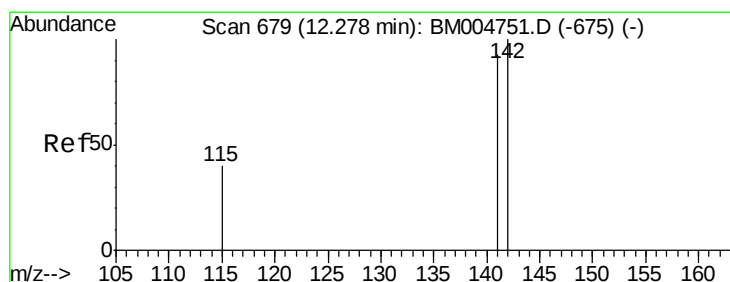
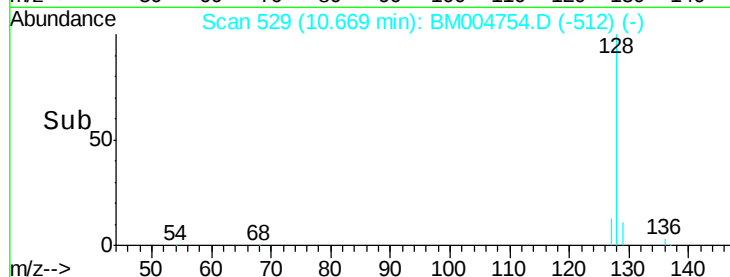
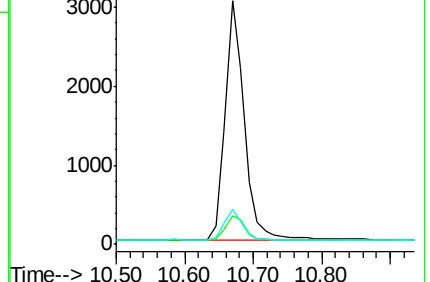
127 14.5 9.6 14.4#



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: 0.58 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004754.D

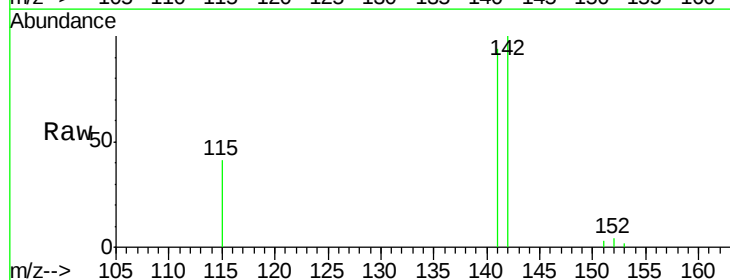
Acq: 24 Mar 2016 13:27

Tgt Ion:142 Resp: 4070

Ion Ratio Lower Upper

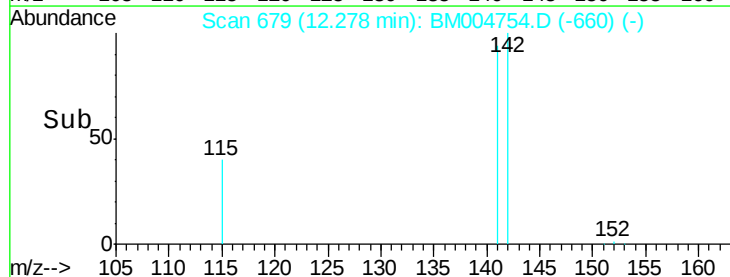
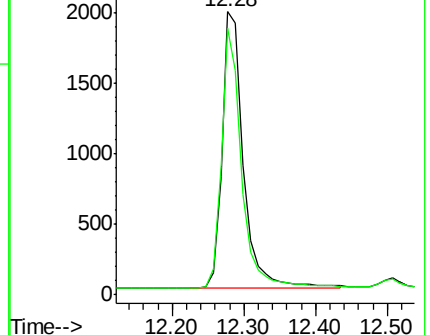
142 100

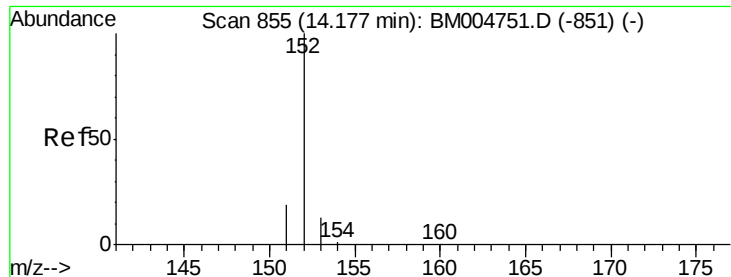
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.59 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

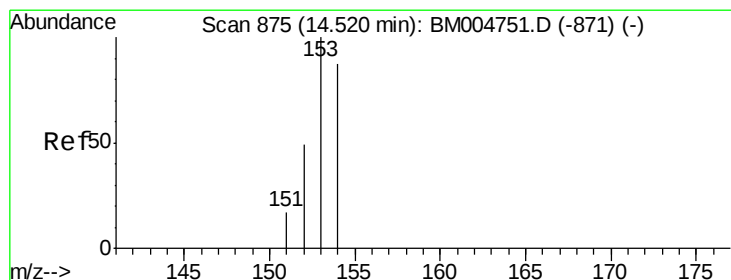
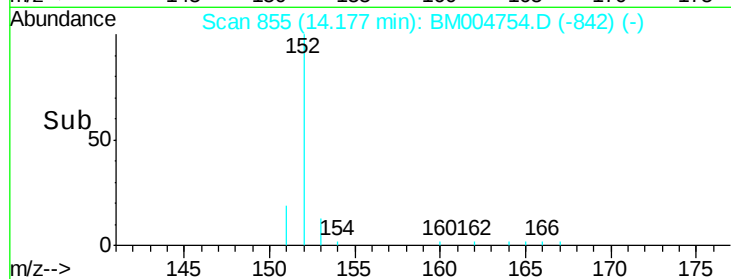
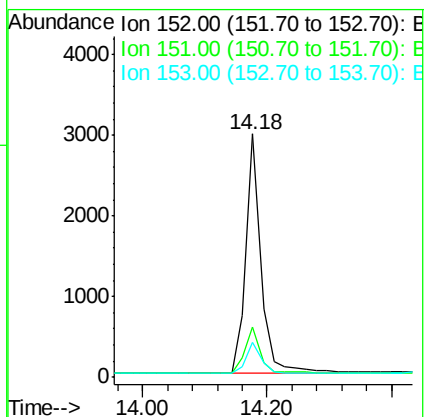
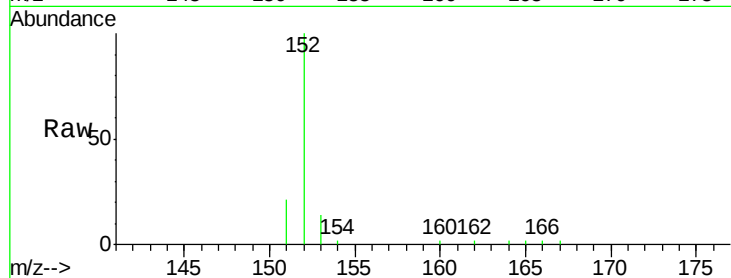
Tgt Ion:152 Resp: 5039

Ion Ratio Lower Upper

152 100

151 20.7 17.6 26.4

153 14.2 9.7 14.5



#10

Acenaphthene

Concen: 0.70 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

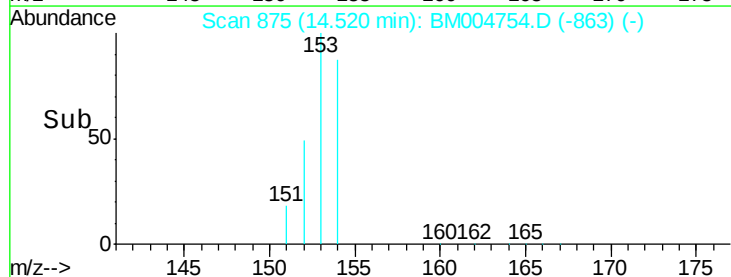
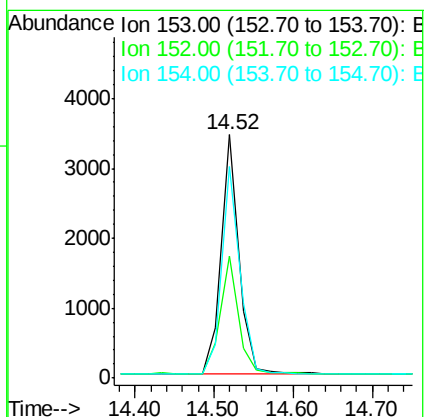
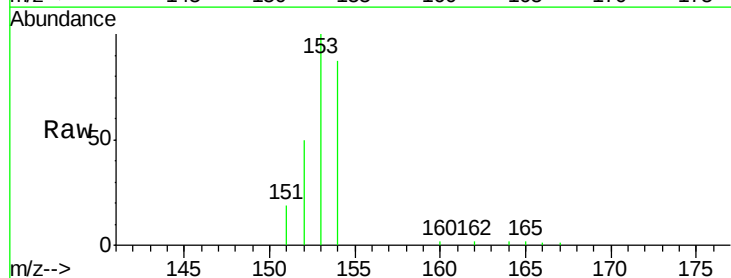
Tgt Ion:153 Resp: 5363

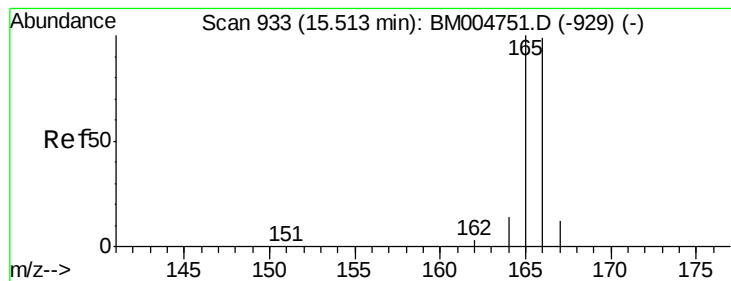
Ion Ratio Lower Upper

153 100

152 50.3 33.9 50.9

154 87.1 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: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

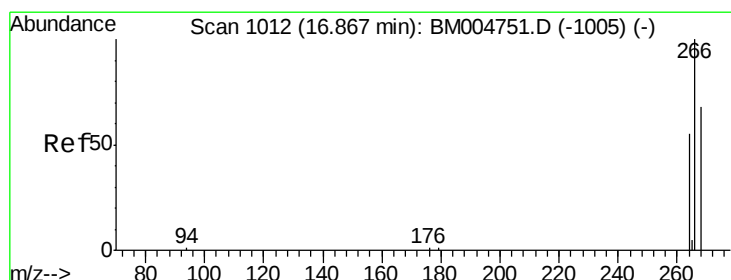
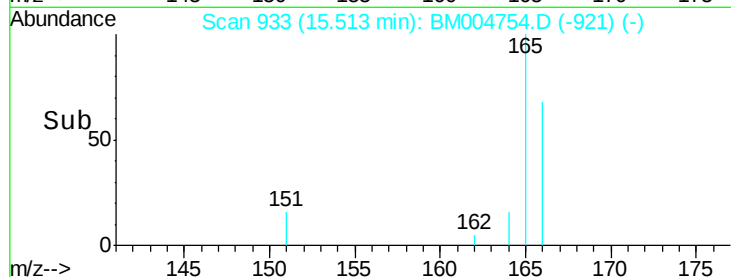
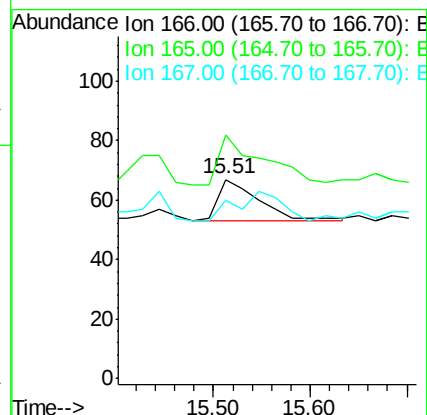
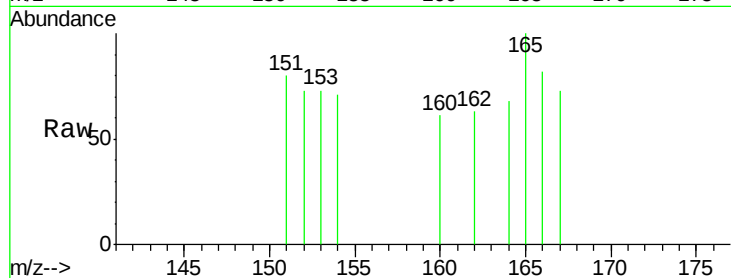
Tgt Ion:166 Resp: 42

Ion Ratio Lower Upper

166 100

165 122.4 69.6 104.4#

167 89.6 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.78 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

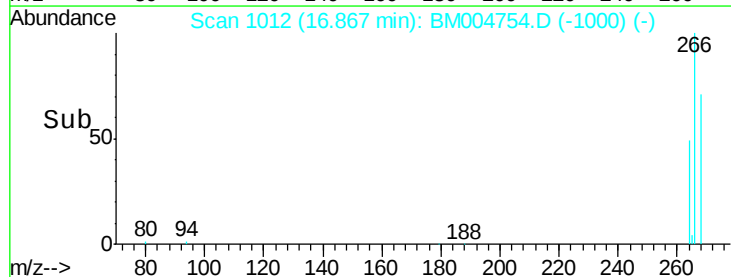
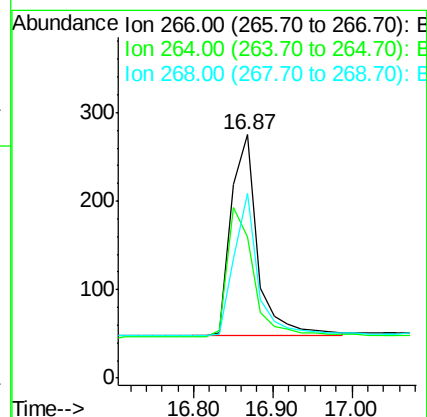
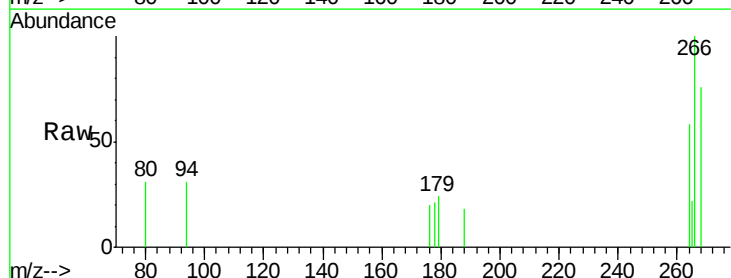
Tgt Ion:266 Resp: 528

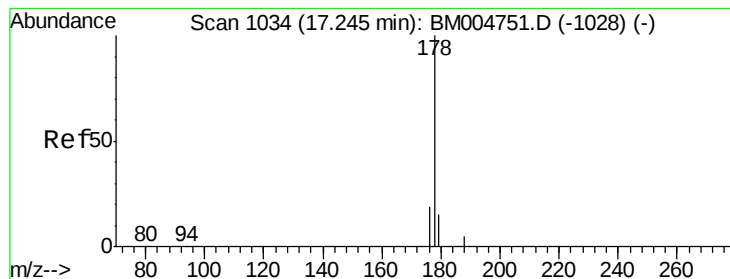
Ion Ratio Lower Upper

266 100

264 63.8 51.8 77.8

268 65.0 46.8 70.2





#14

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

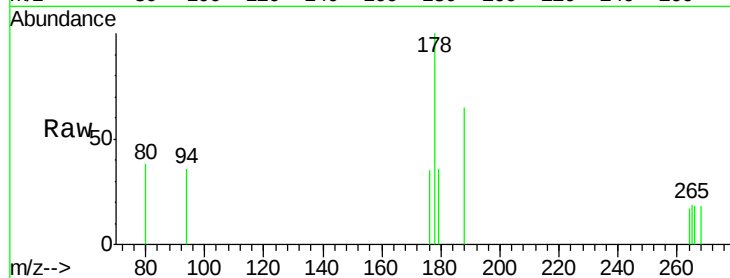
Tgt Ion:178 Resp: 368

Ion Ratio Lower Upper

178 100

176 35.3 13.0 19.4#

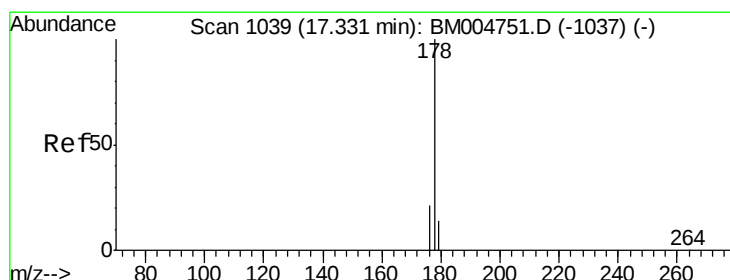
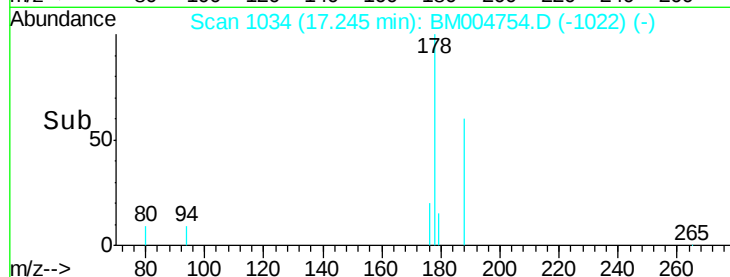
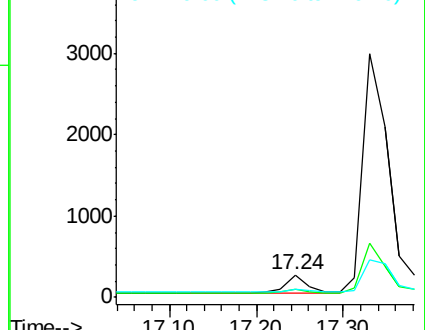
179 36.0 14.2 21.2#



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: 0.56 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

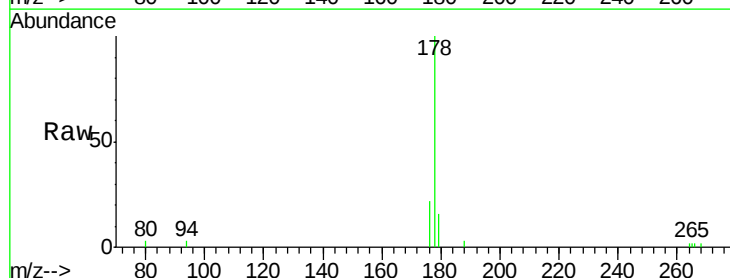
Tgt Ion:178 Resp: 6358

Ion Ratio Lower Upper

178 100

176 22.0 14.0 21.0#

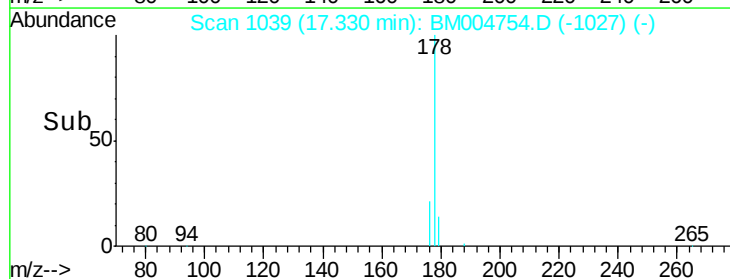
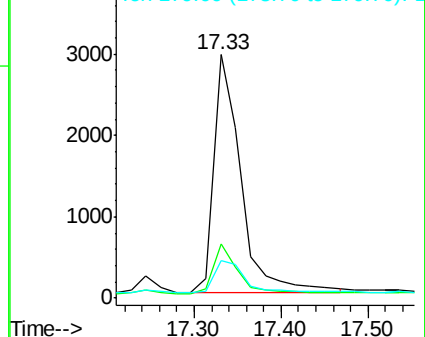
179 15.6 12.9 19.3

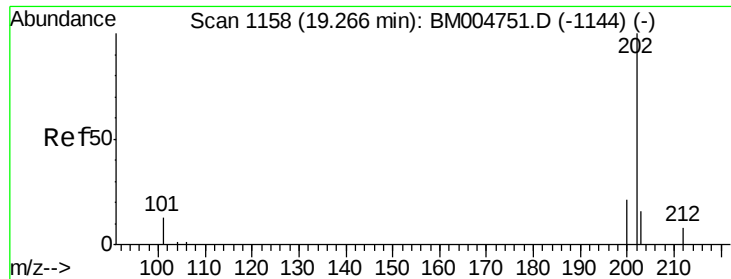


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

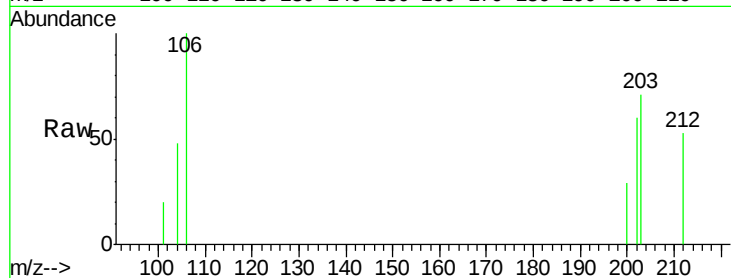
Tgt Ion:202 Resp: 143

Ion Ratio Lower Upper

202 100

101 33.6 0.0 29.6#

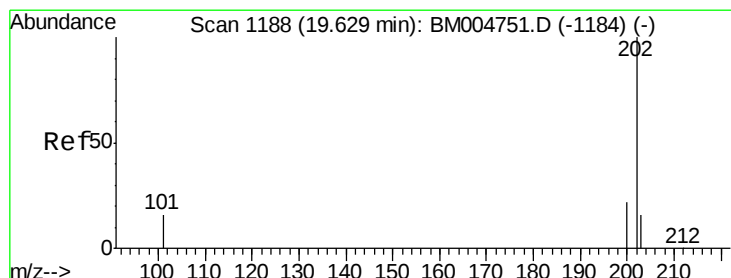
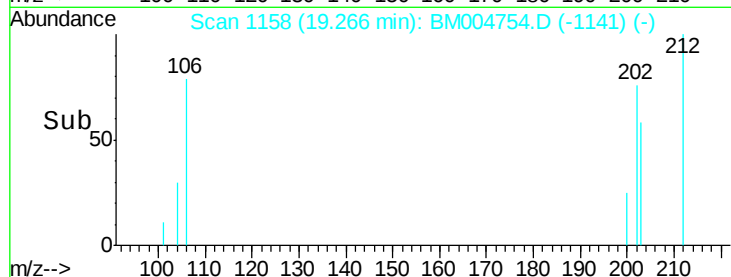
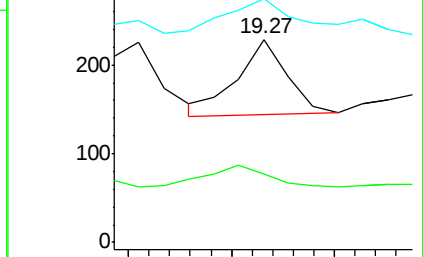
203 119.7 0.0 36.3#



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: 0.93 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

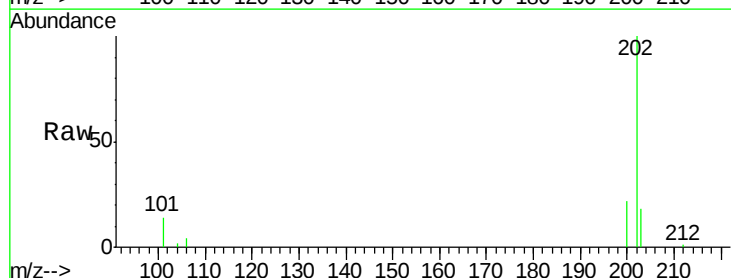
Tgt Ion:202 Resp: 14685

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.8

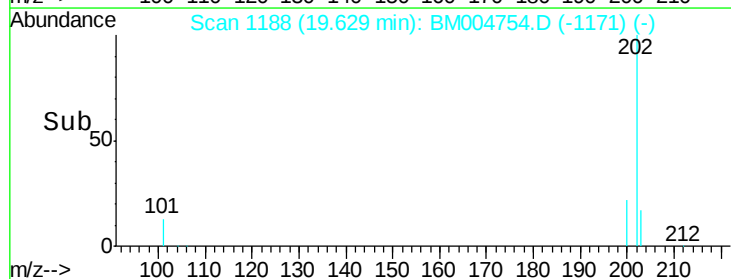
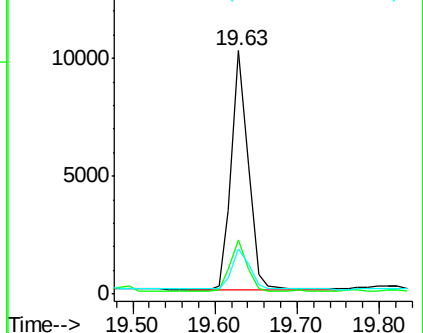
203 18.5 12.8 19.2

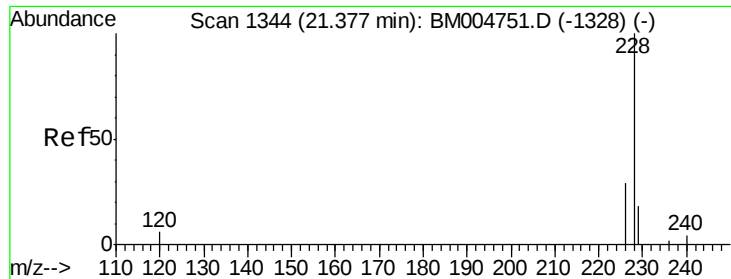


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.93 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.05 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

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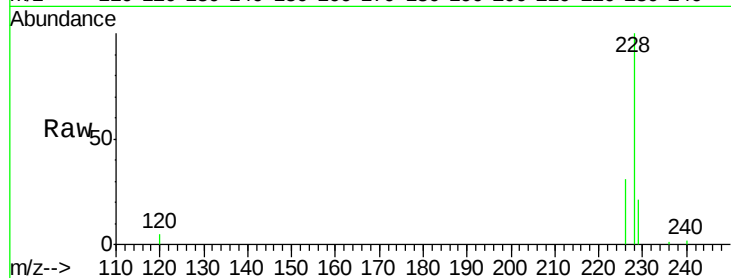
Tgt Ion:228 Resp: 9964

Ion Ratio Lower Upper

228 100

226 30.8 18.8 28.2#

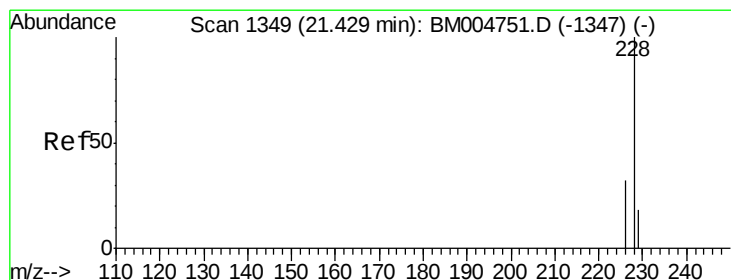
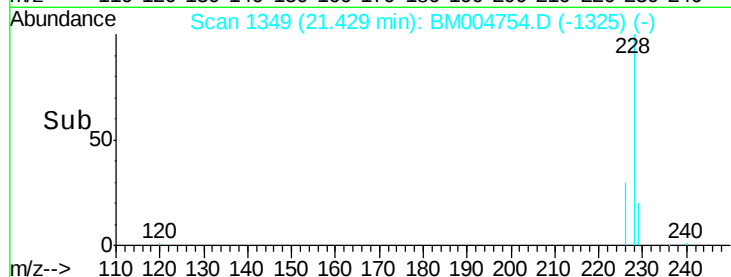
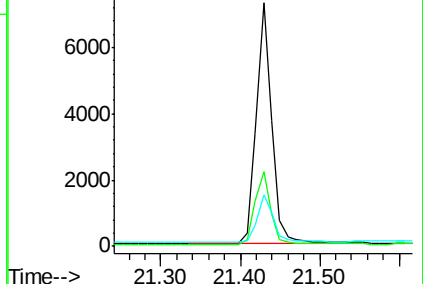
229 21.0 17.1 25.7



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: 0.68 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

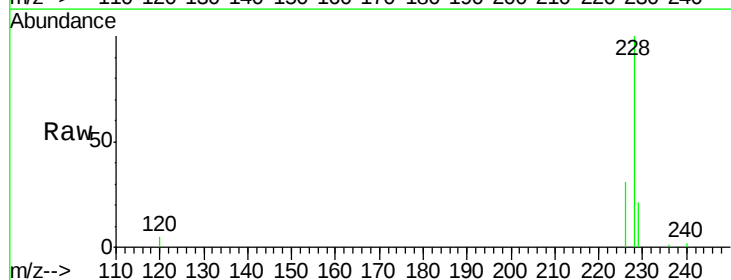
Tgt Ion:228 Resp: 10076

Ion Ratio Lower Upper

228 100

226 30.8 21.2 31.8

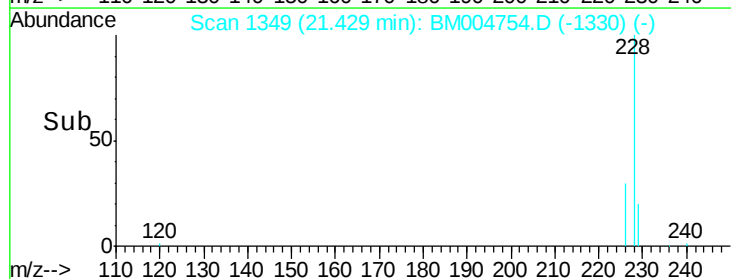
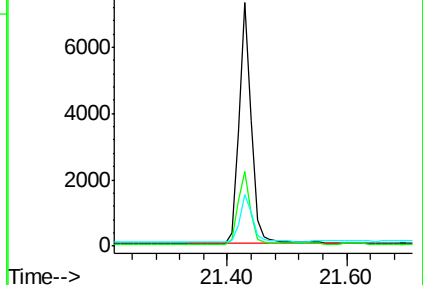
229 21.0 17.0 25.6

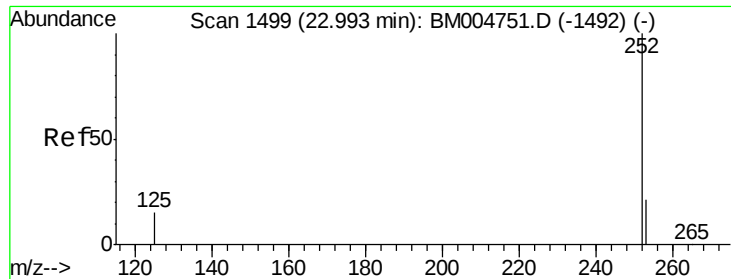


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.80 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

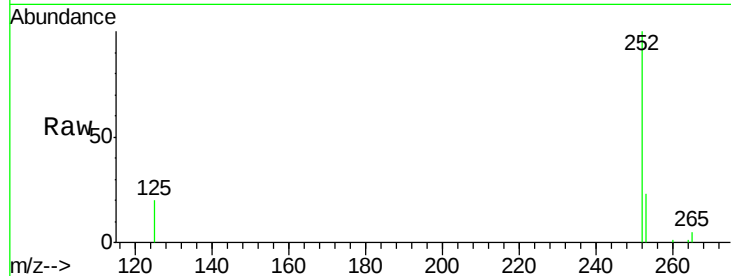
Tgt Ion:252 Resp: 10975

Ion Ratio Lower Upper

252 100

253 23.3 0.0 45.4

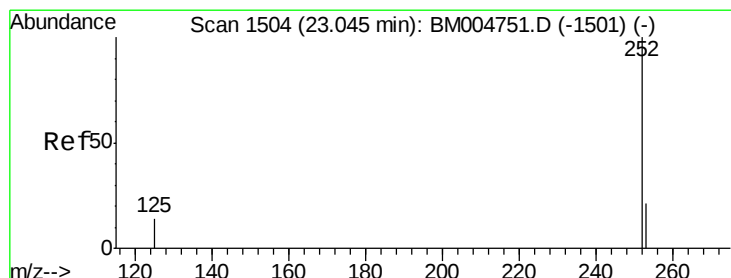
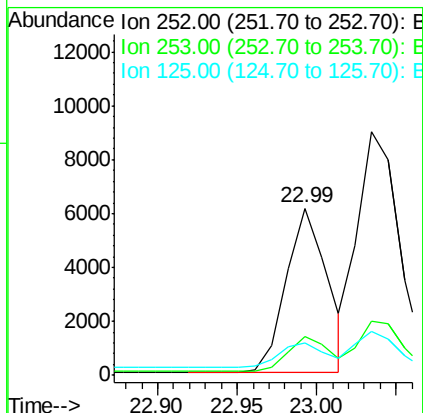
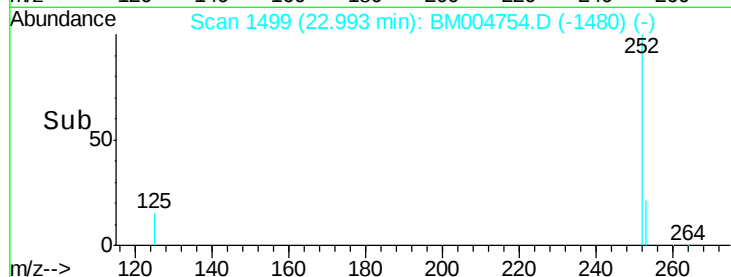
125 19.6 0.0 28.8



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: 1.22 ng/u1

RT: 23.03 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

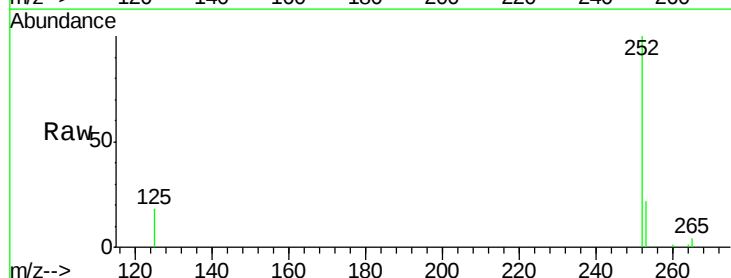
Tgt Ion:252 Resp: 16905

Ion Ratio Lower Upper

252 100

253 22.2 19.8 29.8

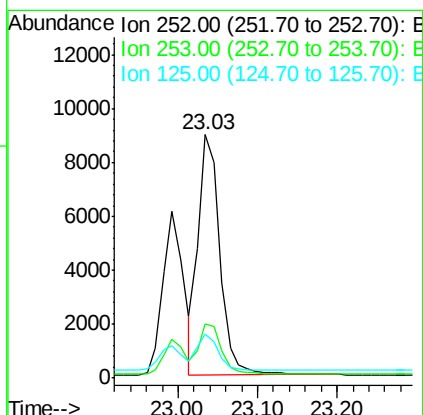
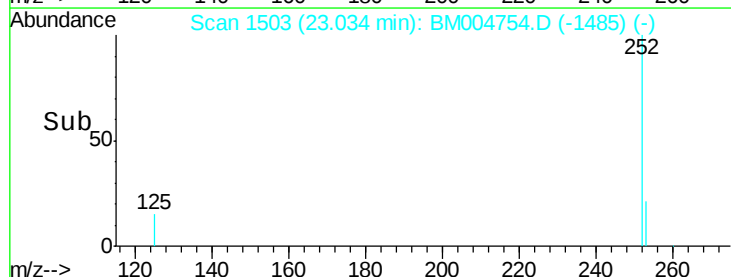
125 18.1 10.4 15.6#

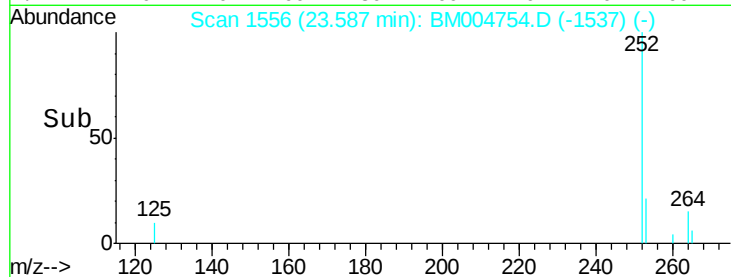
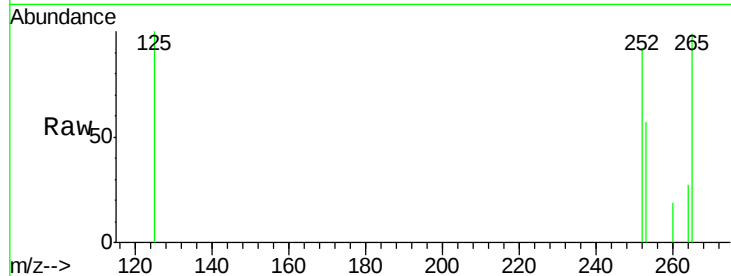
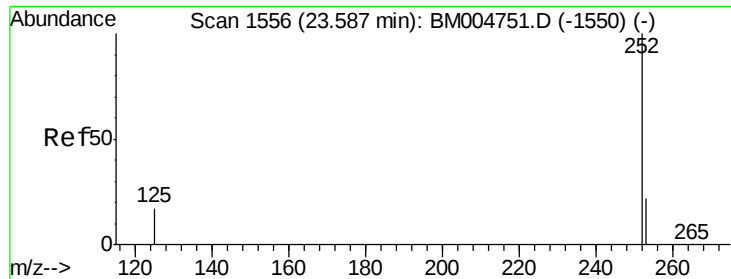


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

Instrument :

BNA_M

ClientSampleId :

A4T56

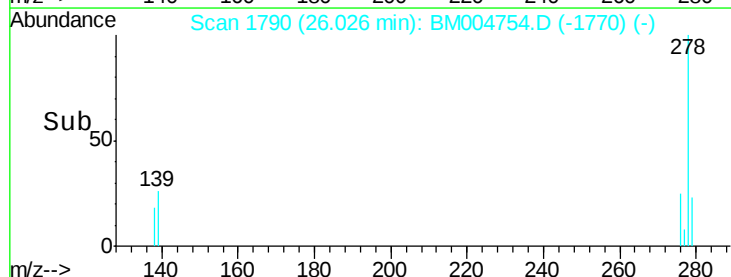
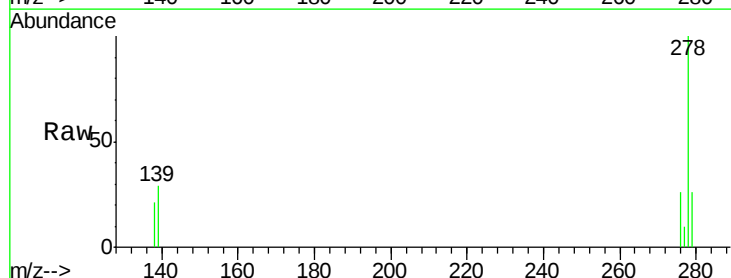
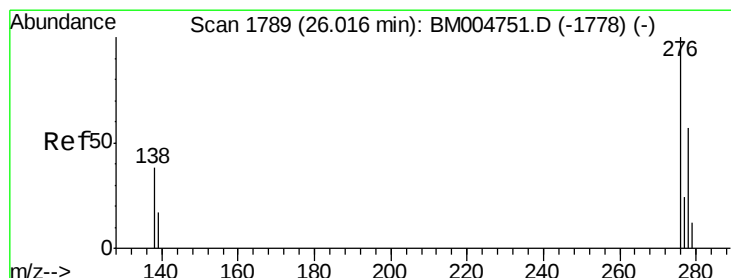
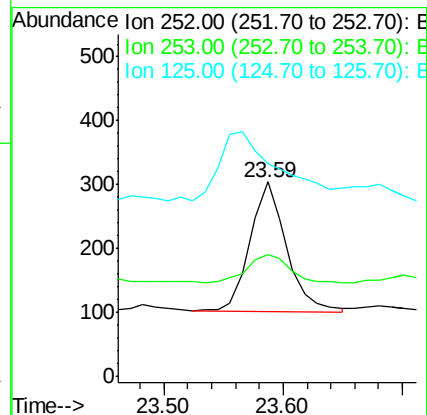
Tgt Ion: 252 Resp: 435

Ion Ratio Lower Upper

252 100

253 62.5 19.4 29.2#

125 109.2 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.17 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BM004754.D

Acq: 24 Mar 2016 13:27

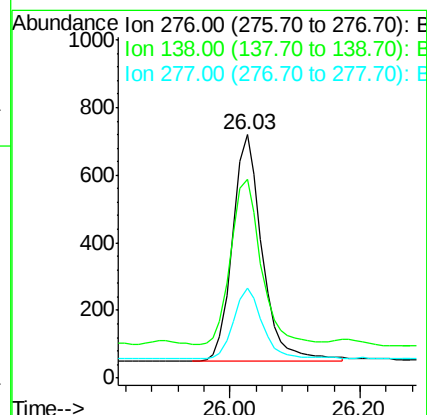
Tgt Ion: 276 Resp: 2123

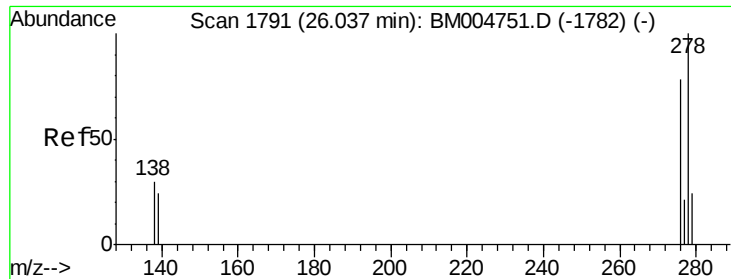
Ion Ratio Lower Upper

276 100

138 73.9 16.3 24.5#

277 30.6 19.8 29.8#

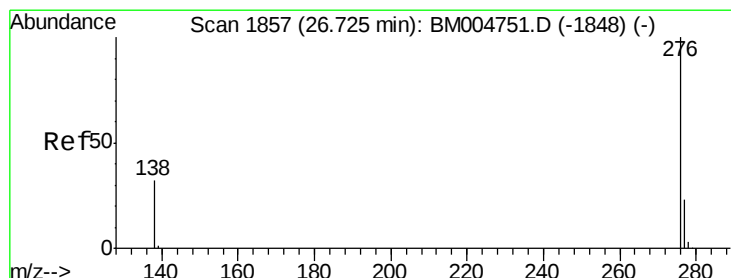
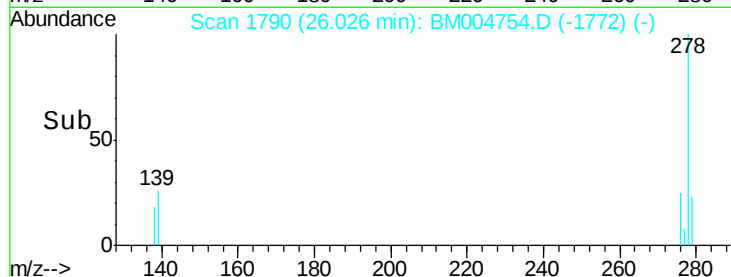
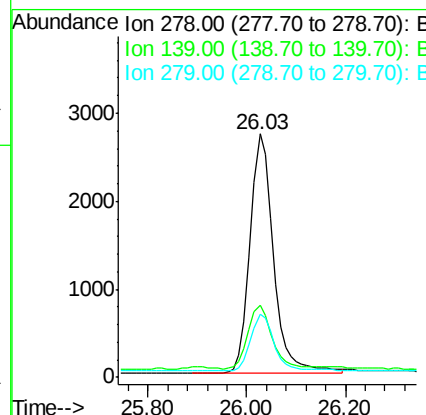
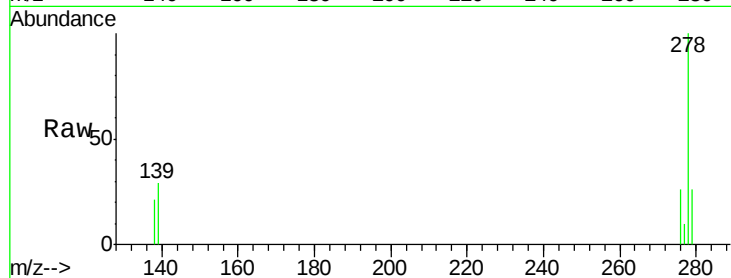




#27
Dibenzo(a,h)anthracene
Concen: 0.88 ng/ul
RT: 26.03 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BM004754.D
Acq: 24 Mar 2016 13:27

Instrument :
BNA_M
ClientSampleId :
A4T56

Tgt Ion: 278 Resp: 8676
Ion Ratio Lower Upper
278 100
139 29.4 16.4 24.6#
279 25.7 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.72 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM004754.D
Acq: 24 Mar 2016 13:27

Tgt Ion: 276 Resp: 45
Ion Ratio Lower Upper
276 100
277 91.9 18.9 28.3#
138 216.1 22.5 33.7#

