

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003567.D
 Acq On : 16 Dec 2015 02:19
 Operator : UM/IZ
 Sample : G4734-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KX7

Quant Time: Dec 16 05:58:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5168	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	21515	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	12533	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1618977	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	25057	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	1340108	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	10471	4.74	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	9041	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	19502	0.01	ng/ul	0.00

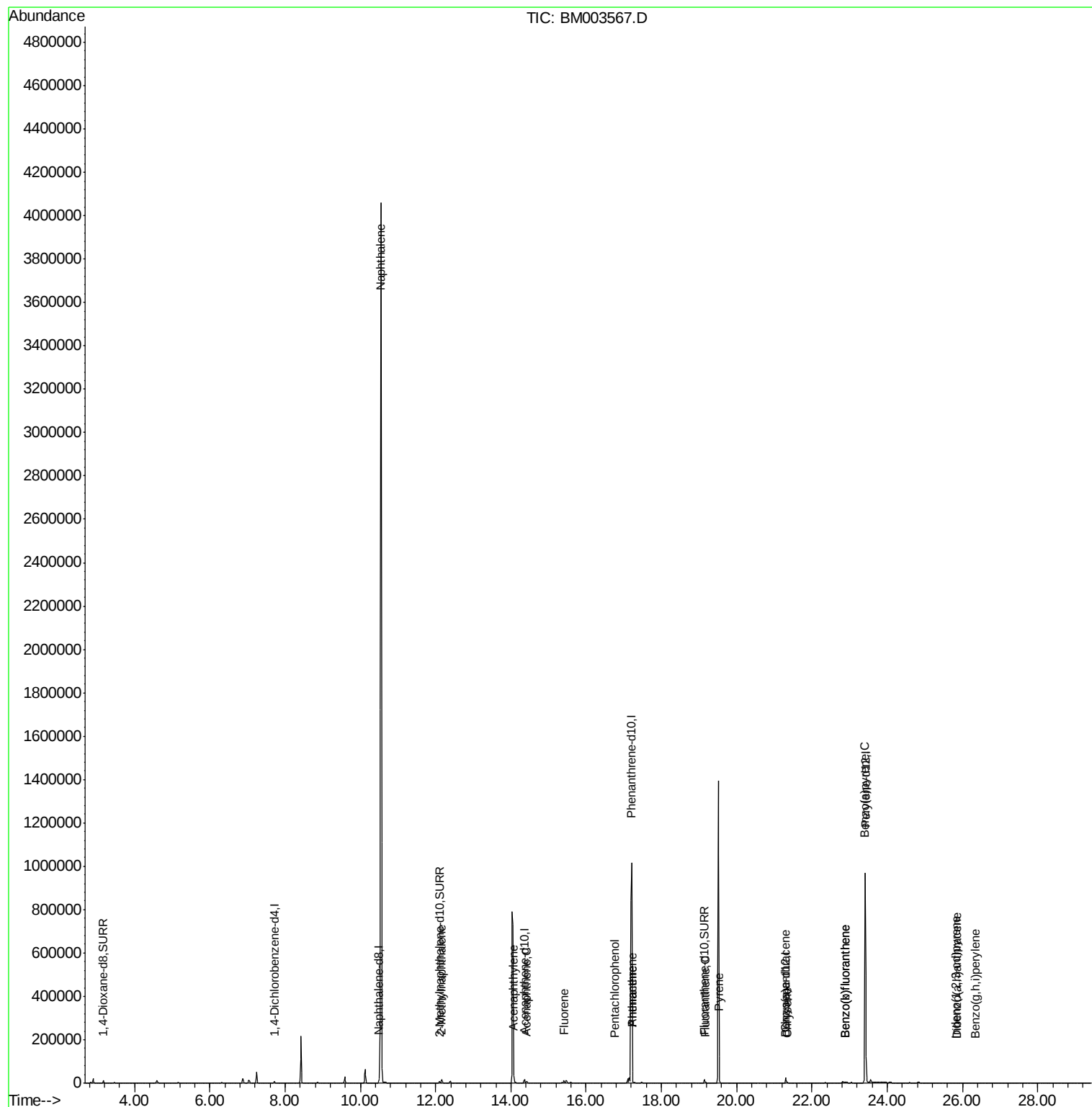
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	6505128	134.21	ng/ul#	96
7) 2-Methylnaphthalene	12.16	142	11345	0.35	ng/ul	99
9) Acenaphthylene	14.07	152	575	0.01	ng/ul#	56
10) Acenaphthene	14.42	153	5327	0.14	ng/ul	87
11) Fluorene	15.41	166	11499	0.27	ng/ul	85
13) Pentachlorophenol	16.76	266	378	0.00	ng/ul	95
14) Phenanthrene	17.23	178	3558	0.00	ng/ul#	82
15) Anthracene	17.23	178	3488	0.00	ng/ul#	82
17) Fluoranthene	19.17	202	4484	0.00	ng/ul	90
19) Pyrene	19.53	202	5685	0.08	ng/ul#	66
20) Benzo(a)anthracene	21.29	228	630	0.01	ng/ul#	54
21) Chrysene	21.35	228	2118	0.03	ng/ul#	85
23) Benzo(b)fluoranthene	22.88	252	920	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	1043	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	5484	0.00	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	25.83	276	285	0.00	ng/ul#	72
27) Dibenzo(a,h)anthracene	25.84	278	122	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.35	276	10	0.00	ng/ul#	1

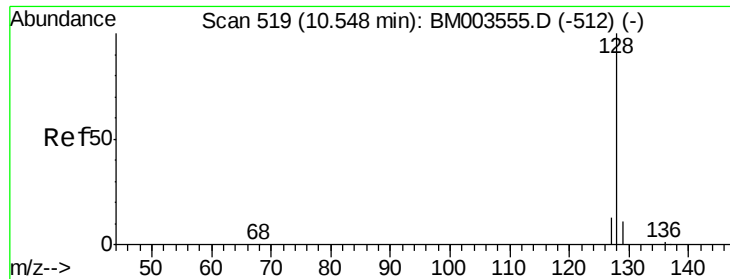
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 134.21 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

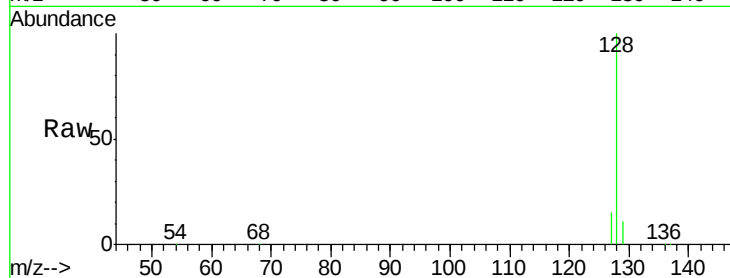
Tgt Ion:128 Resp: 6505128

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

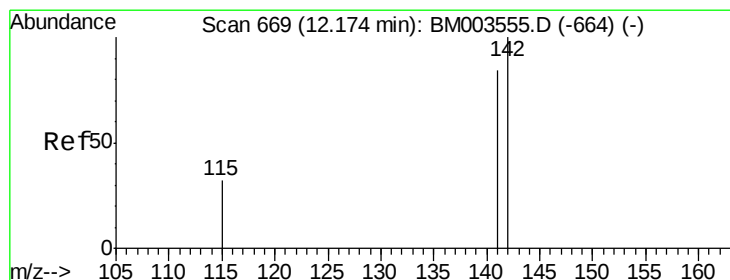
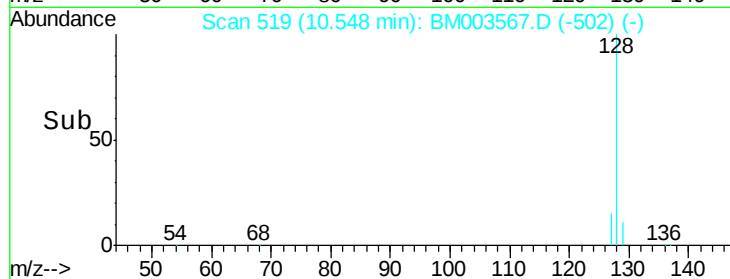
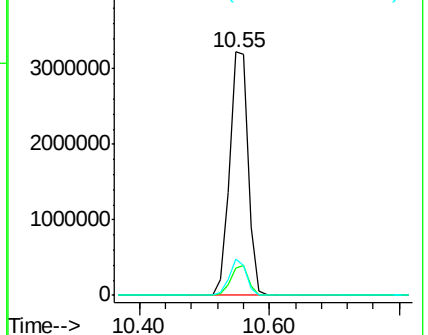
127 14.8 9.6 14.4#



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: 0.35 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003567.D

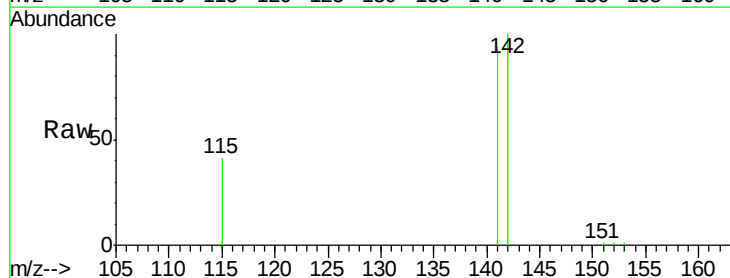
Acq: 16 Dec 2015 02:19

Tgt Ion:142 Resp: 11345

Ion Ratio Lower Upper

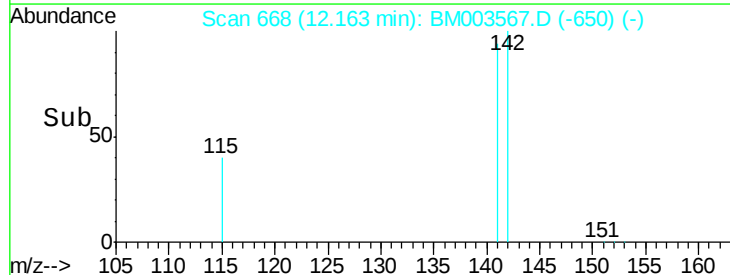
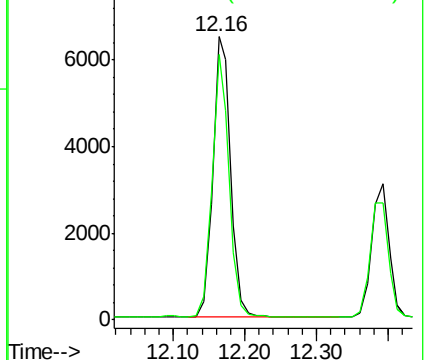
142 100

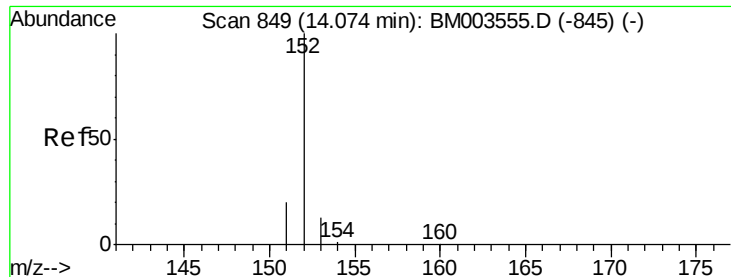
141 88.6 70.3 105.5



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: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

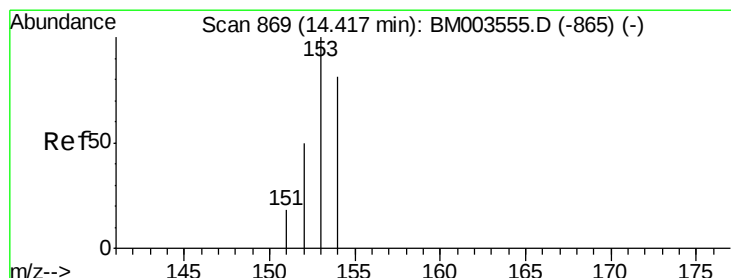
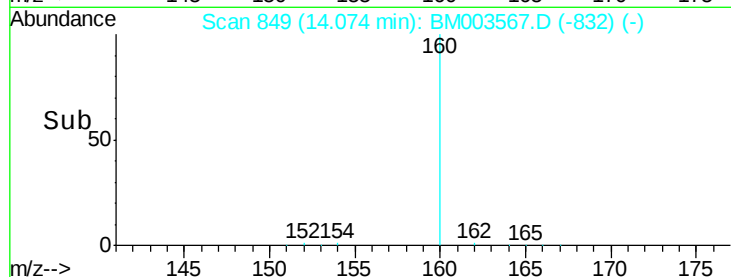
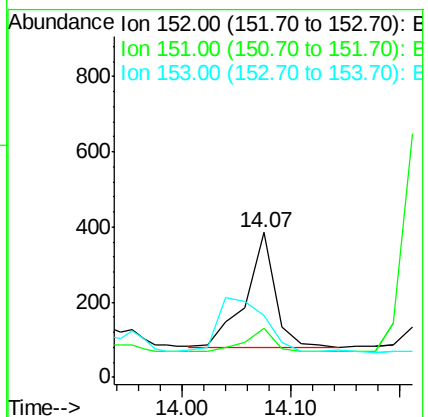
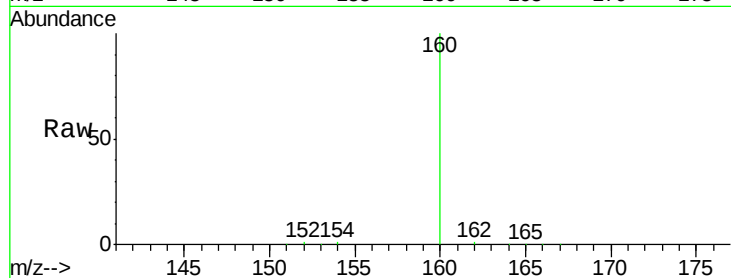
Tgt Ion:152 Resp: 575

Ion Ratio Lower Upper

152 100

151 33.9 17.6 26.4#

153 43.0 9.7 14.5#



#10

Acenaphthene

Concen: 0.14 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

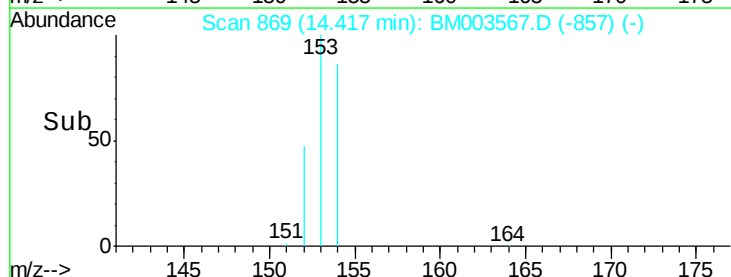
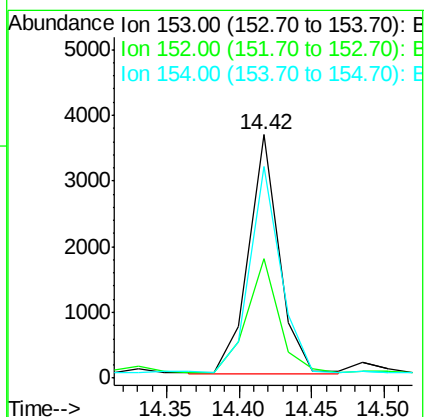
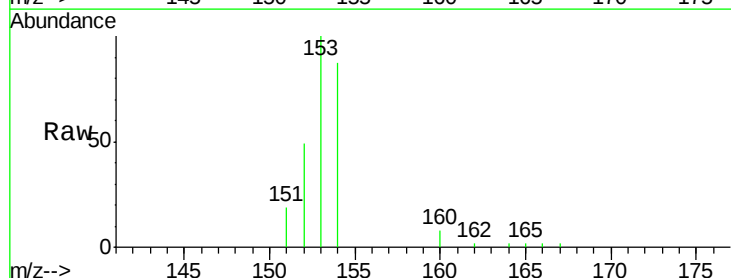
Tgt Ion:153 Resp: 5327

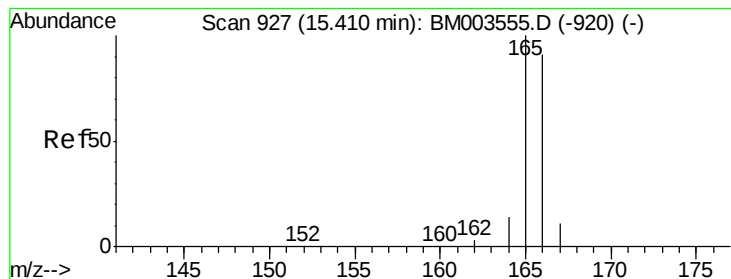
Ion Ratio Lower Upper

153 100

152 49.3 33.9 50.9

154 86.9 80.6 121.0





#11

Fluorene

Concen: 0.27 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

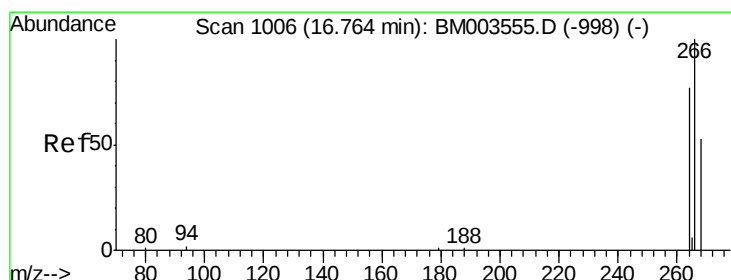
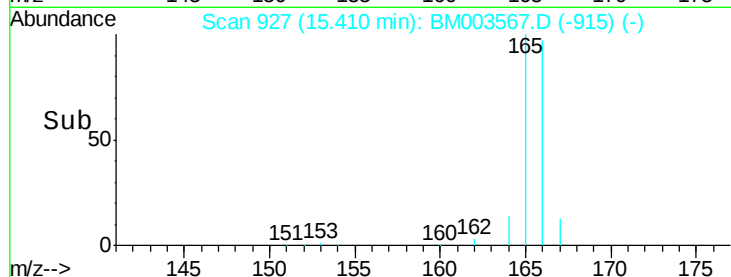
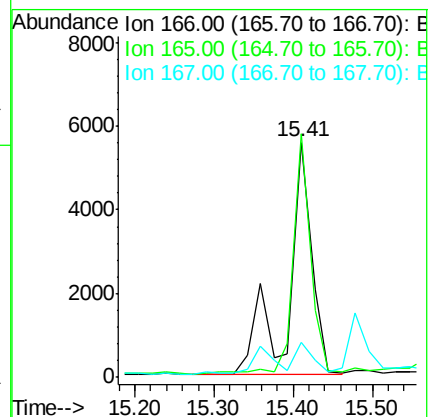
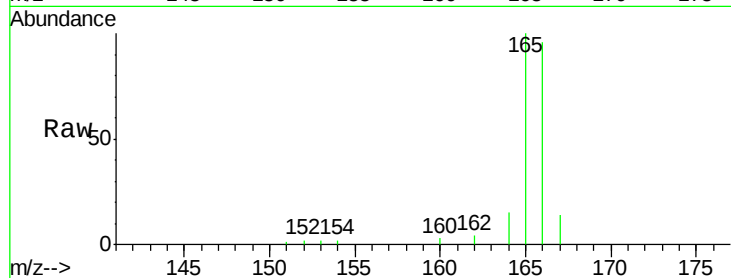
Tgt Ion:166 Resp: 11499

Ion Ratio Lower Upper

166 100

165 103.7 69.6 104.4

167 14.9 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

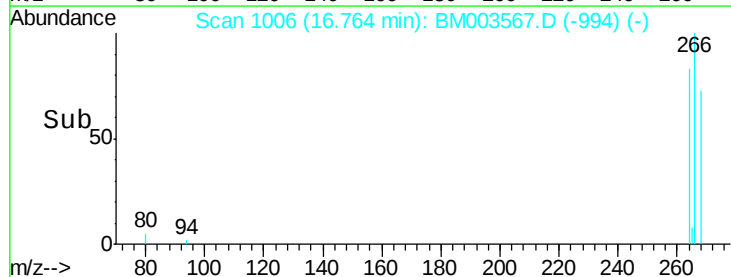
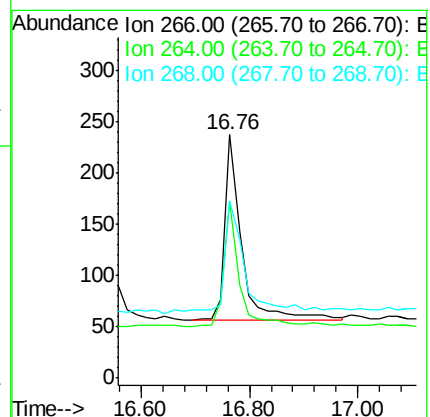
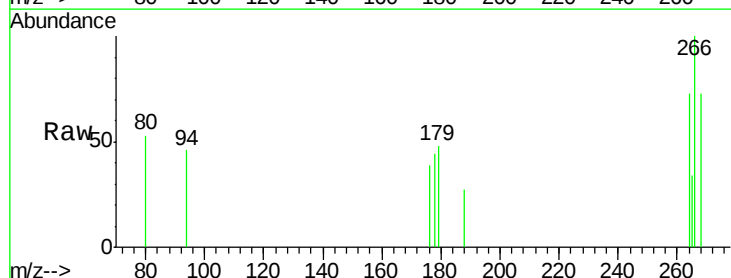
Tgt Ion:266 Resp: 378

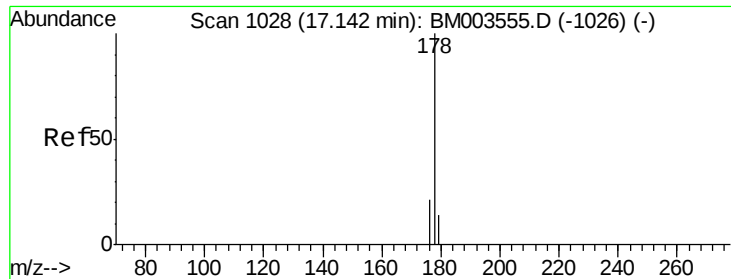
Ion Ratio Lower Upper

266 100

264 67.2 51.8 77.8

268 64.6 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

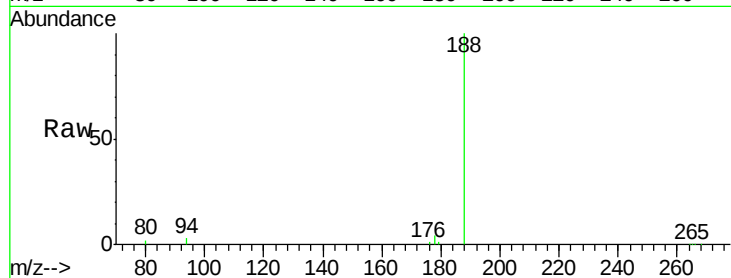
Tgt Ion:178 Resp: 3558

Ion Ratio Lower Upper

178 100

176 24.6 13.0 19.4#

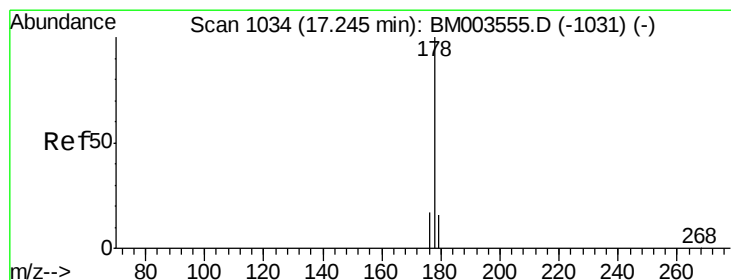
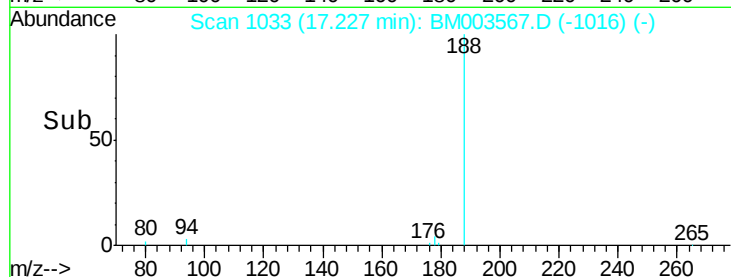
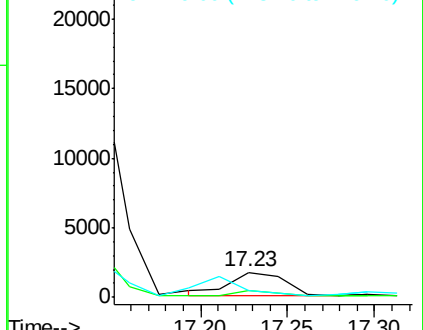
179 25.1 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

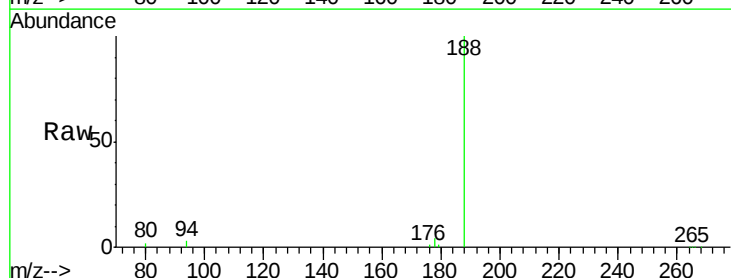
Tgt Ion:178 Resp: 3488

Ion Ratio Lower Upper

178 100

176 24.6 14.0 21.0#

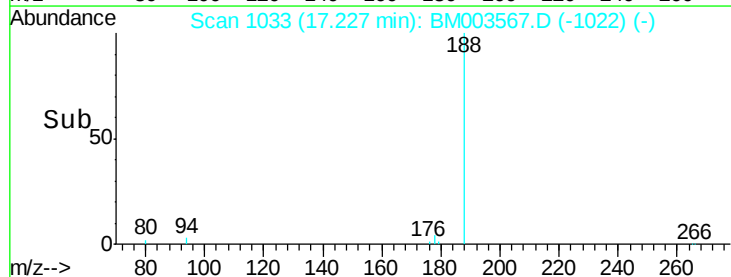
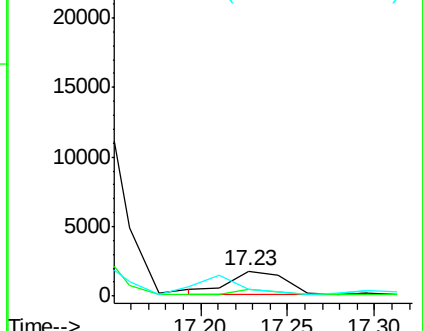
179 25.1 12.9 19.3#

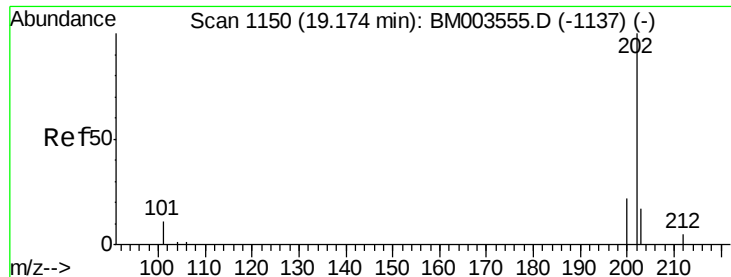


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

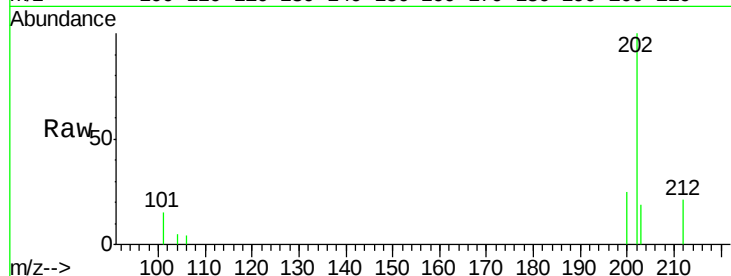
Tgt Ion:202 Resp: 4484

Ion Ratio Lower Upper

202 100

101 15.4 0.0 29.6

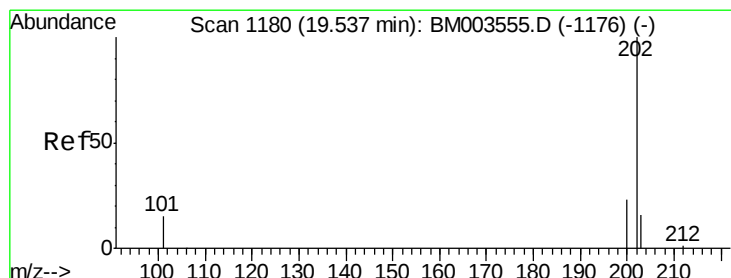
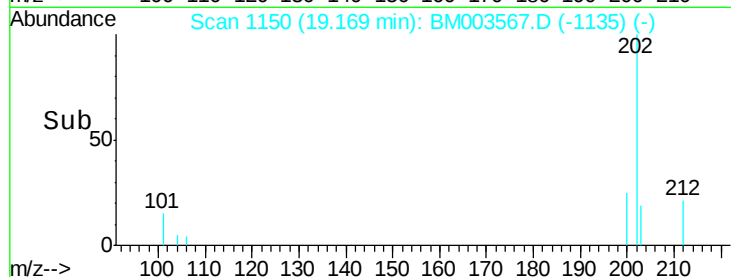
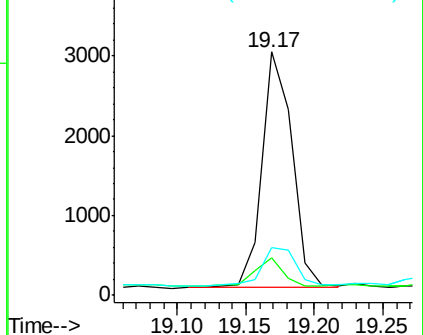
203 19.4 0.0 36.3



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: 0.08 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

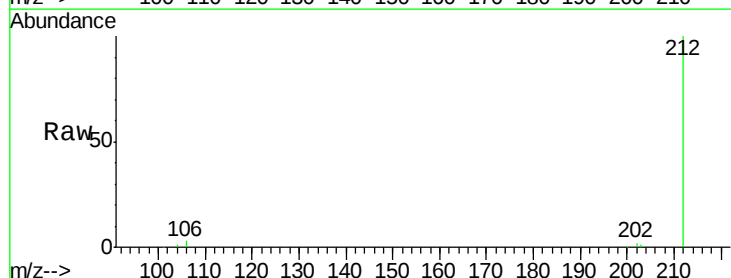
Tgt Ion:202 Resp: 5685

Ion Ratio Lower Upper

202 100

200 26.2 17.8 26.8

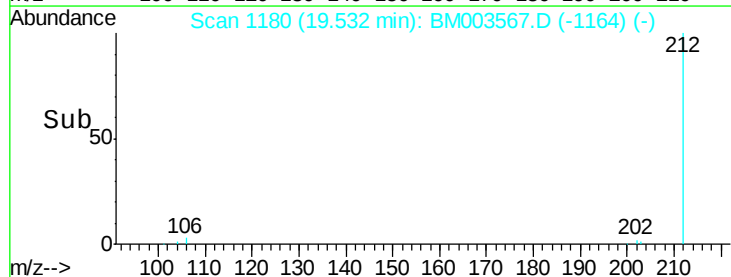
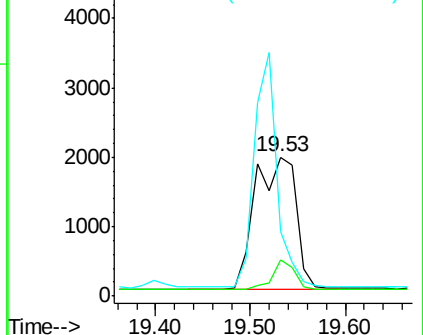
203 46.1 12.8 19.2#

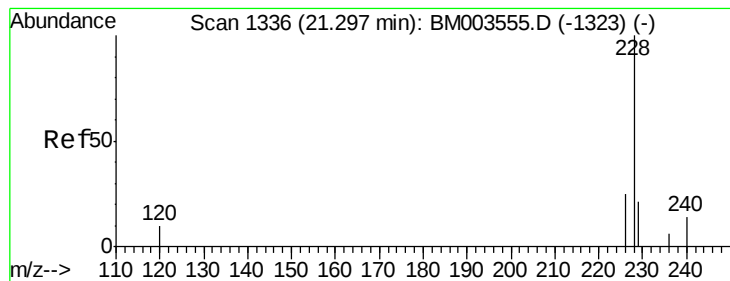


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

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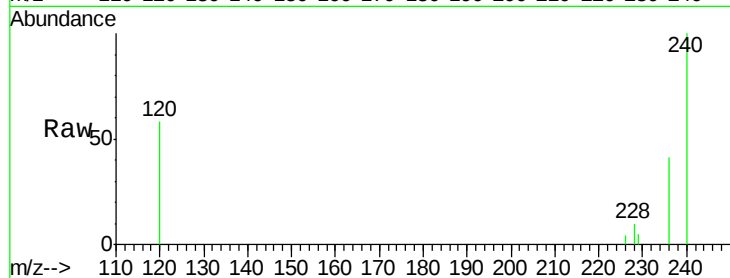
Tgt Ion:228 Resp: 630

Ion Ratio Lower Upper

228 100

226 42.4 18.8 28.2#

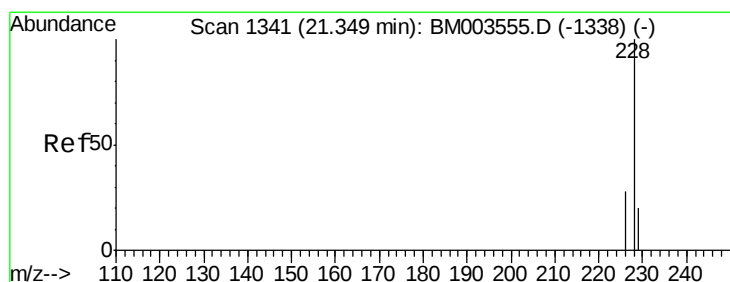
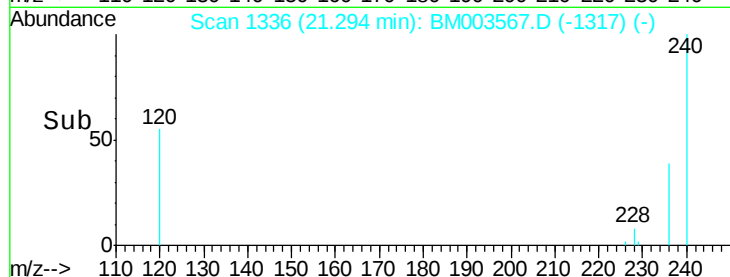
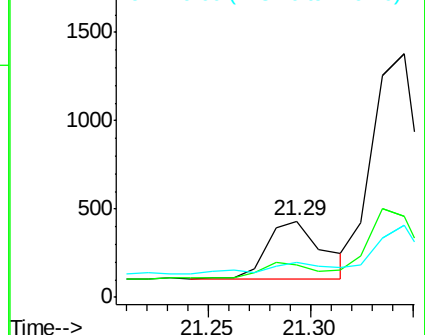
229 46.5 17.1 25.7#



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: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

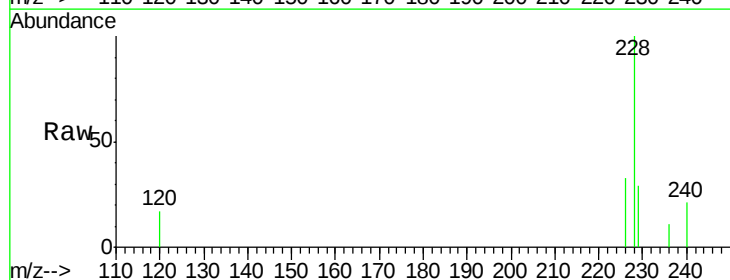
Tgt Ion:228 Resp: 2118

Ion Ratio Lower Upper

228 100

226 33.2 21.2 31.8#

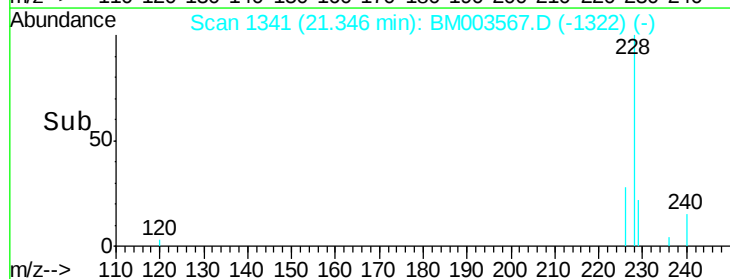
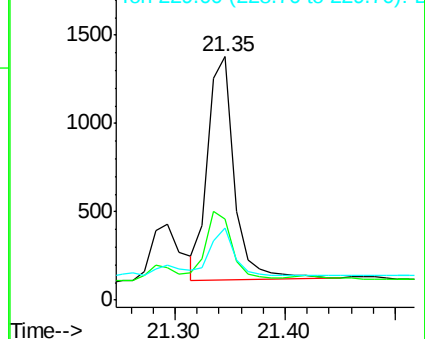
229 29.4 17.0 25.6#

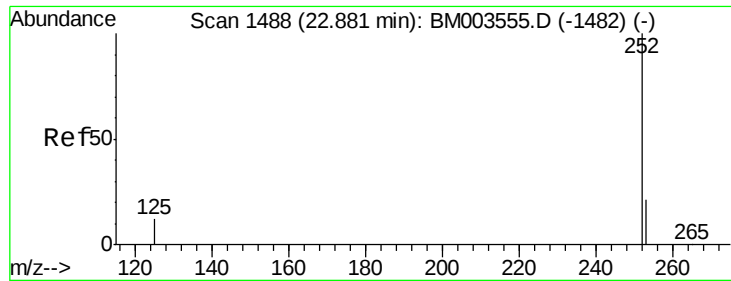


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

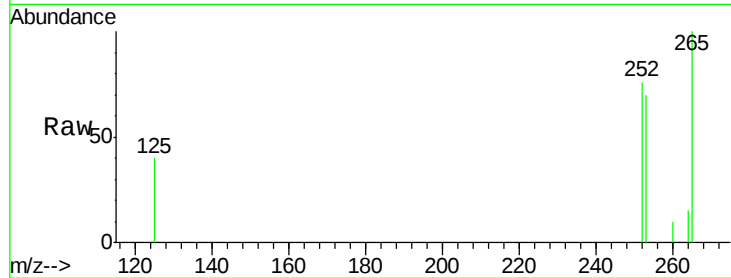
Tgt Ion:252 Resp: 920

Ion Ratio Lower Upper

252 100

253 92.3 0.0 45.4#

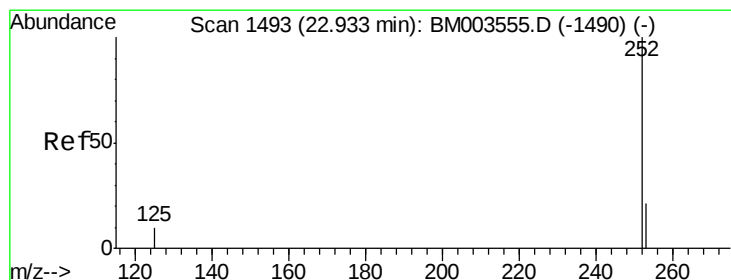
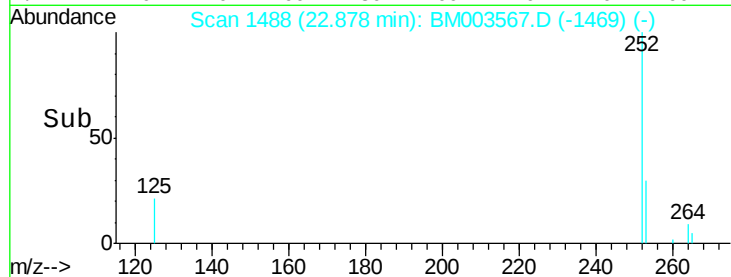
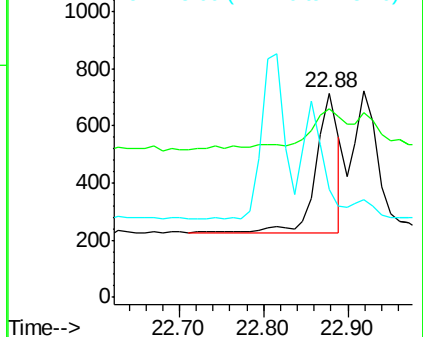
125 52.7 0.0 28.8#



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: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.06 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

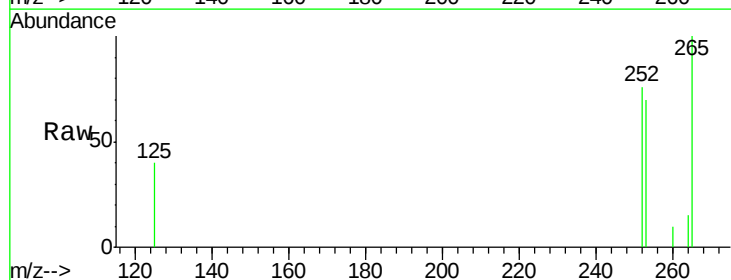
Tgt Ion:252 Resp: 1043

Ion Ratio Lower Upper

252 100

253 92.3 19.8 29.8#

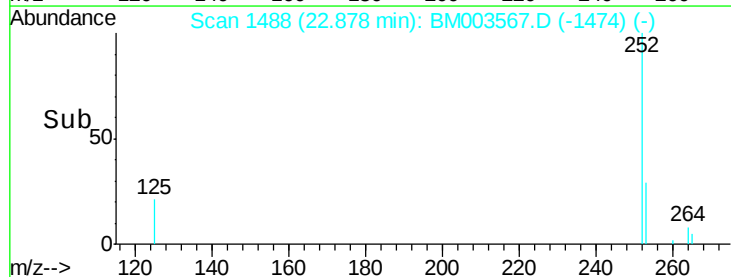
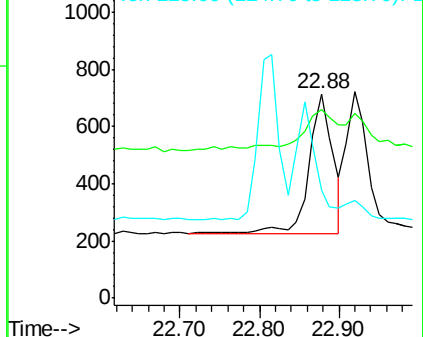
125 52.7 10.4 15.6#

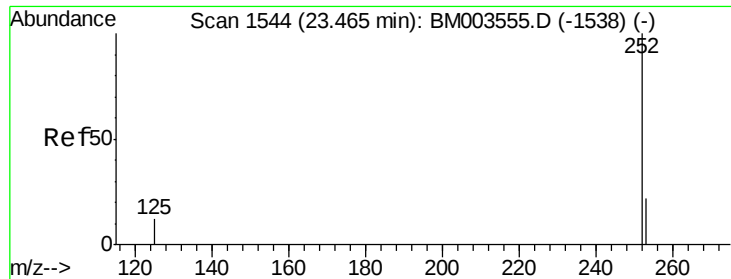


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

Instrument :

BNA_M

ClientSampleId :

A4KX7

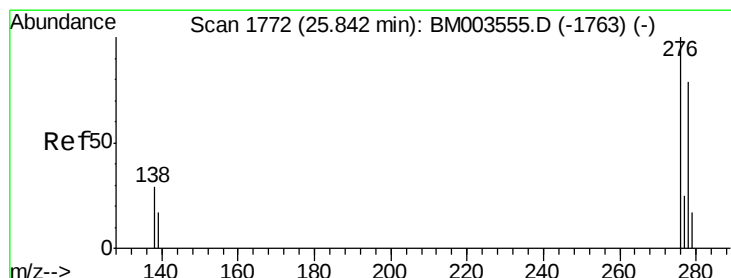
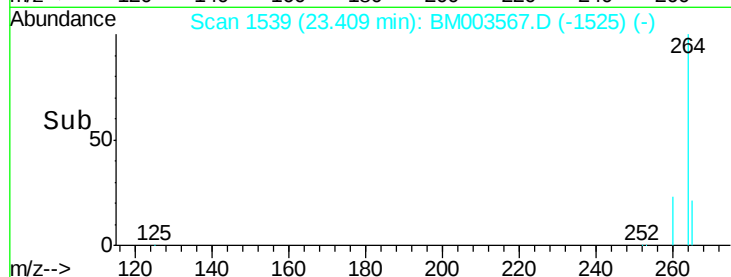
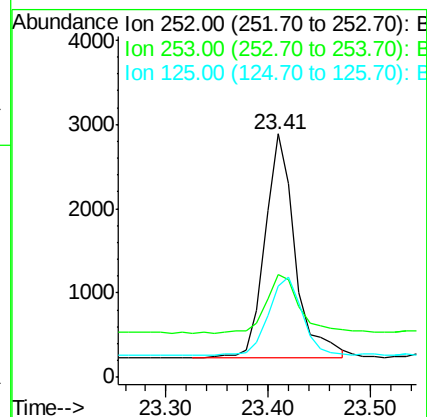
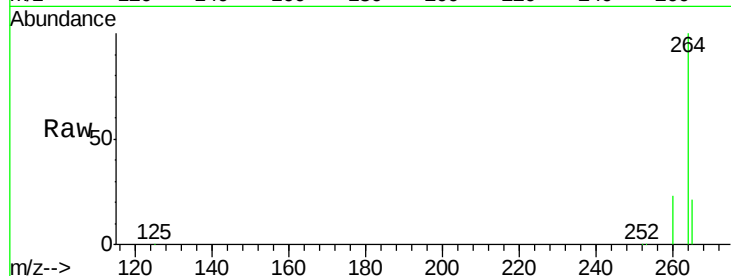
Tgt Ion:252 Resp: 5484

Ion Ratio Lower Upper

252 100

253 42.1 19.4 29.2#

125 37.5 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003567.D

Acq: 16 Dec 2015 02:19

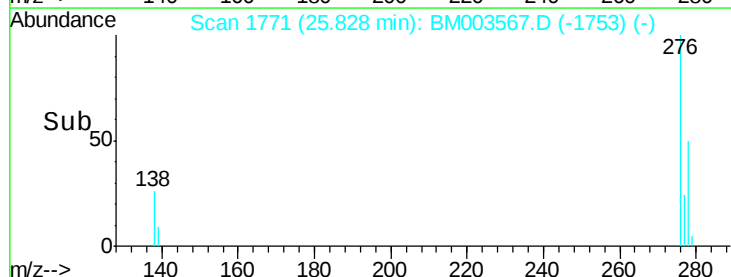
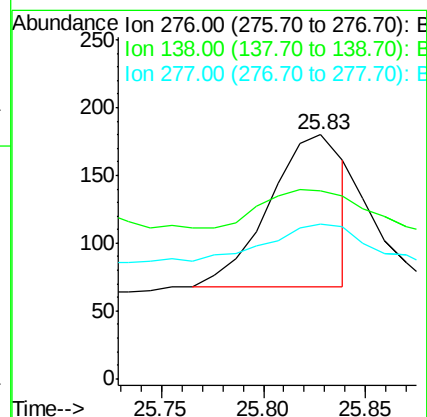
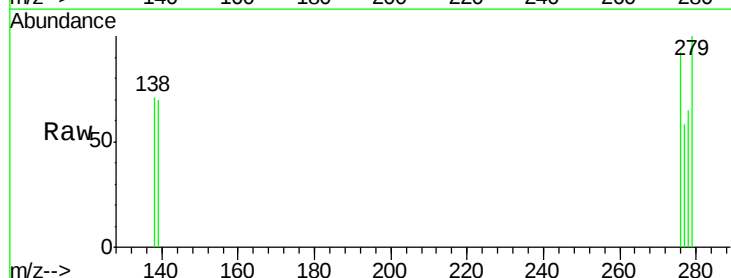
Tgt Ion:276 Resp: 285

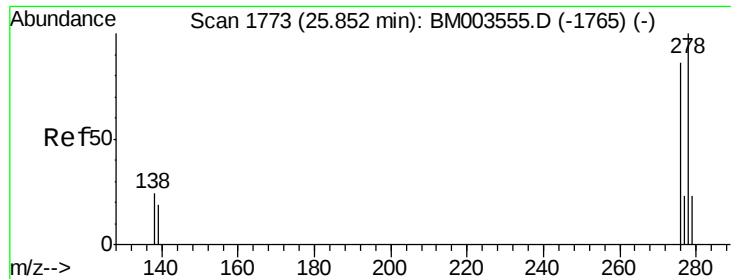
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 32.6 19.8 29.8#

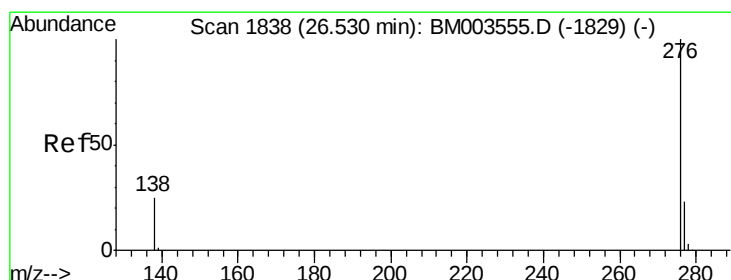
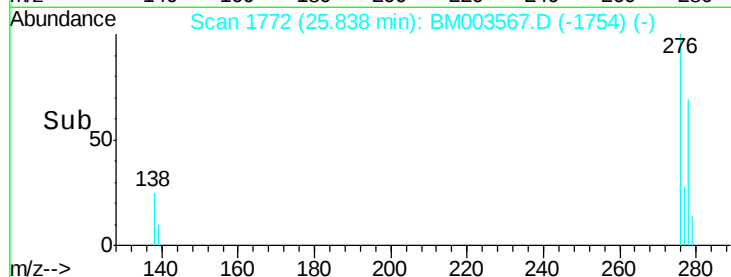
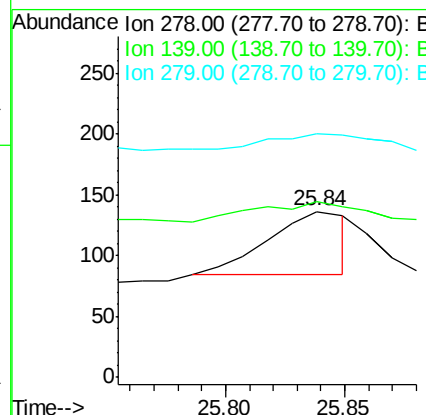
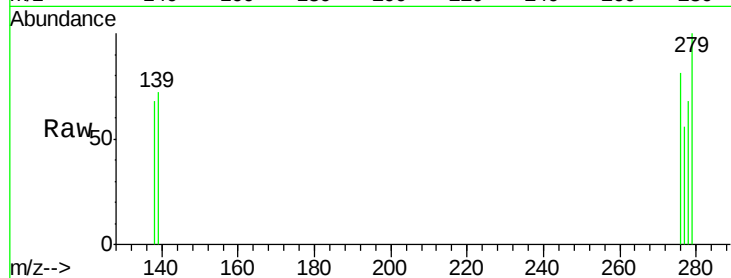




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BM003567.D
Acq: 16 Dec 2015 02:19

Instrument :
BNA_M
ClientSampleId :
A4KX7

Tgt Ion: 278 Resp: 122
Ion Ratio Lower Upper
278 100
139 105.9 16.4 24.6#
279 147.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.35 min Scan# 1821
Delta R.T. -0.18 min
Lab File: BM003567.D
Acq: 16 Dec 2015 02:19

Tgt Ion: 276 Resp: 10
Ion Ratio Lower Upper
276 100
277 128.8 18.9 28.3#
138 160.6 22.5 33.7#

