

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003562.D
 Acq On : 15 Dec 2015 23:19
 Operator : UM/IZ
 Sample : G4734-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2MSD

Quant Time: Dec 16 05:56:52 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	5210	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	21300	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	12185	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1720899	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	21658	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	1274877	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	8103	3.64	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	9231	0.36	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	18517	0.01	ng/ul	0.00

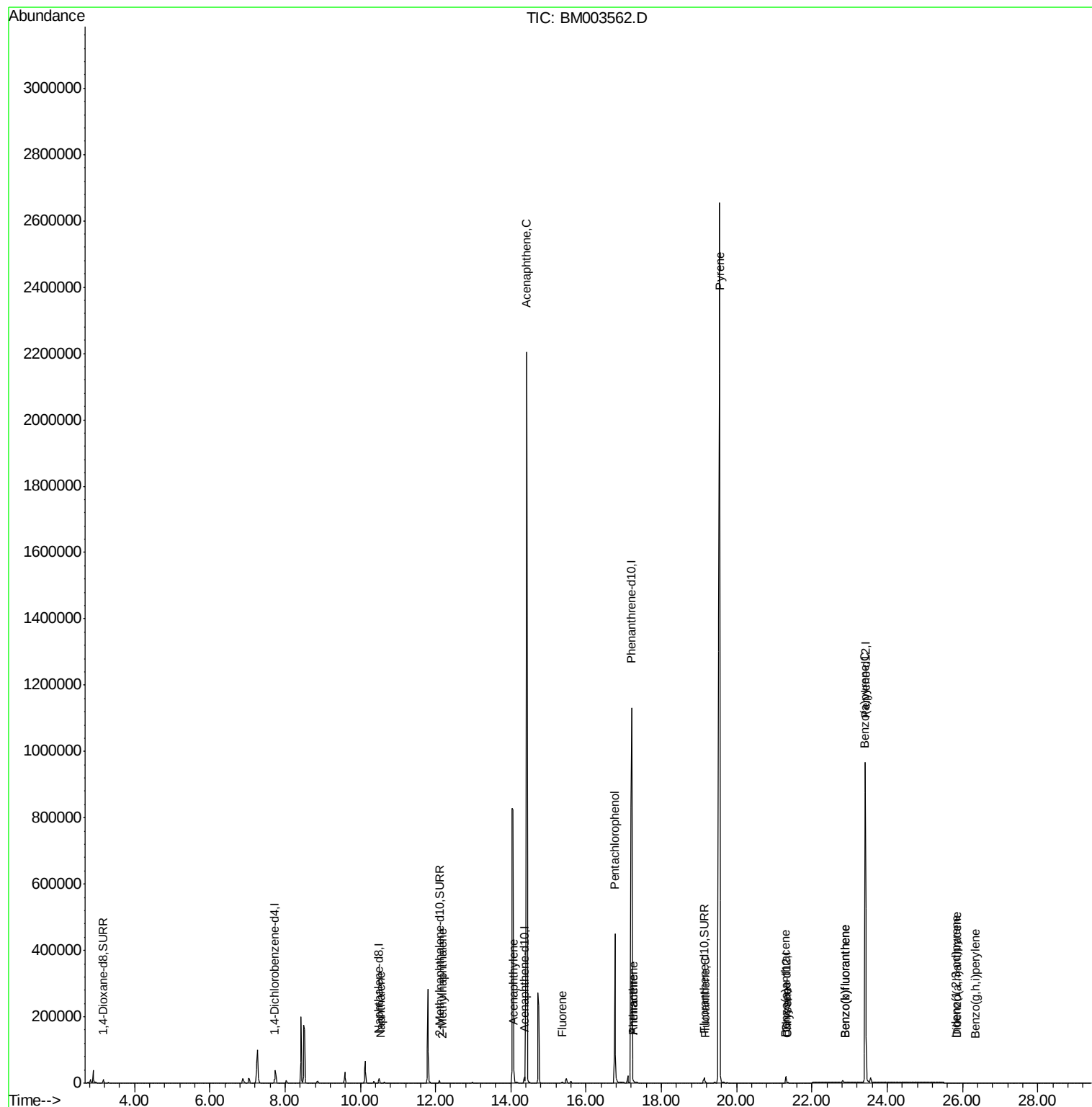
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	487	0.01	ng/ul#	57
7) 2-Methylnaphthalene	12.17	142	184	0.01	ng/ul#	57
9) Acenaphthylene	14.07	152	669	0.01	ng/ul#	77
10) Acenaphthene	14.42	153	1306261	34.82	ng/ul	86
11) Fluorene	15.36	166	3393	0.08	ng/ul#	20
13) Pentachlorophenol	16.76	266	286196	1.16	ng/ul	95
14) Phenanthrene	17.24	178	7575	0.00	ng/ul	96
15) Anthracene	17.24	178	7557	0.00	ng/ul#	95
17) Fluoranthene	19.17	202	1586	0.00	ng/ul	77
19) Pyrene	19.54	202	2569832	43.95	ng/ul	95
20) Benzo(a)anthracene	21.29	228	684	0.01	ng/ul#	63
21) Chrysene	21.35	228	2156	0.04	ng/ul#	87
23) Benzo(b)fluoranthene	22.88	252	1395	0.00	ng/ul#	14
24) Benzo(k)fluoranthene	22.88	252	1748	0.00	ng/ul#	16
25) Benzo(a)pyrene	23.41	252	5101	0.00	ng/ul#	65
26) Indeno(1,2,3-cd)pyrene	25.83	276	235	0.00	ng/ul#	54
27) Dibenzo(a,h)anthracene	25.84	278	127	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.33	276	10	0.00	ng/ul#	1

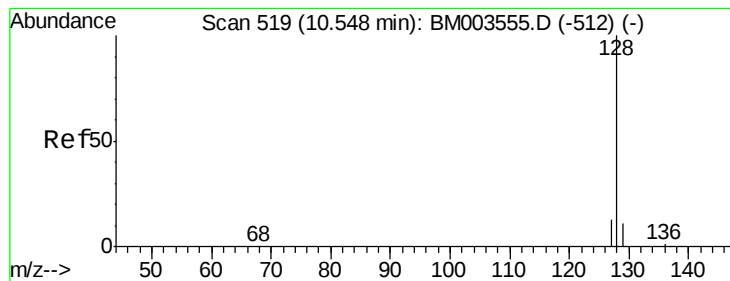
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

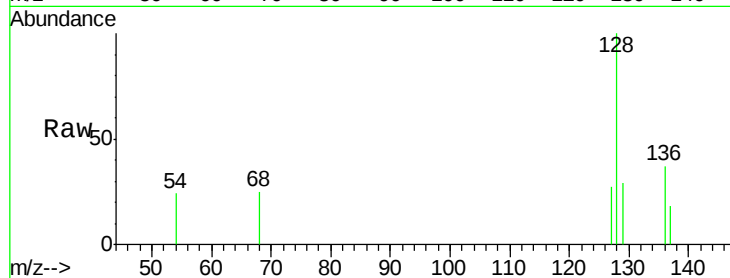
Tgt Ion:128 Resp: 487

Ion Ratio Lower Upper

128 100

129 29.4 9.0 13.6#

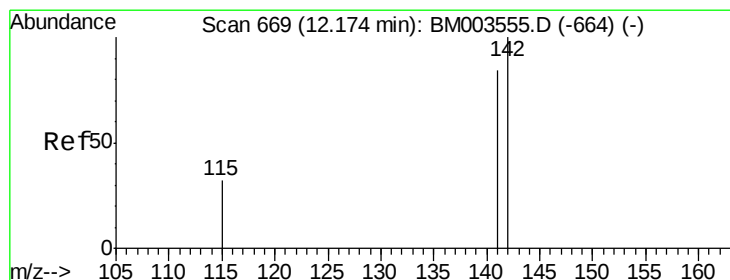
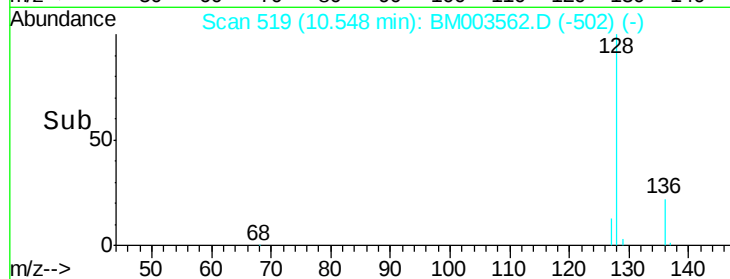
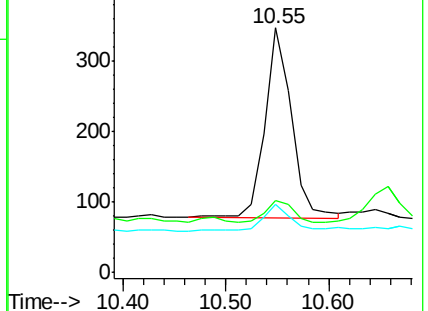
127 27.4 9.6 14.4#



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: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003562.D

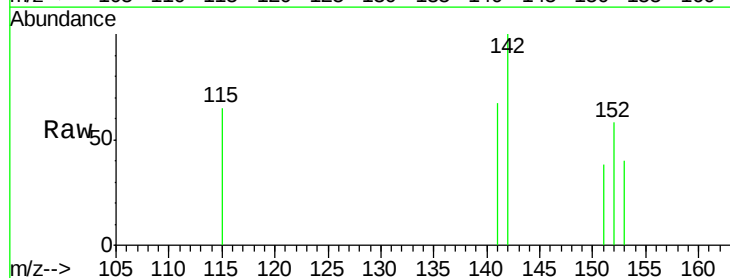
Acq: 15 Dec 2015 23:19

Tgt Ion:142 Resp: 184

Ion Ratio Lower Upper

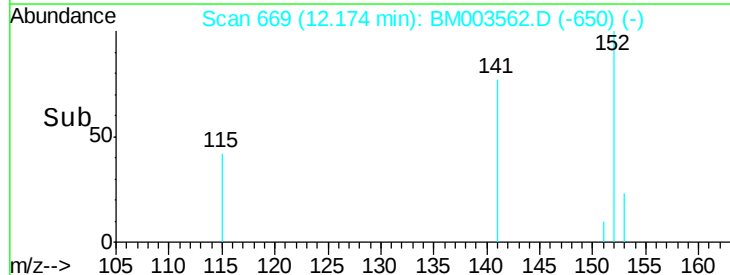
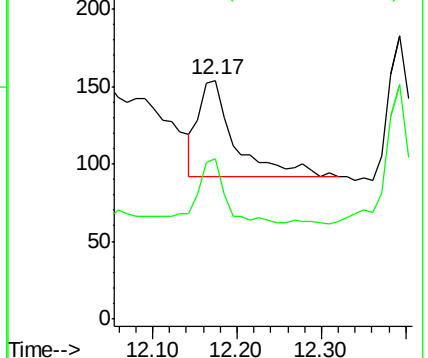
142 100

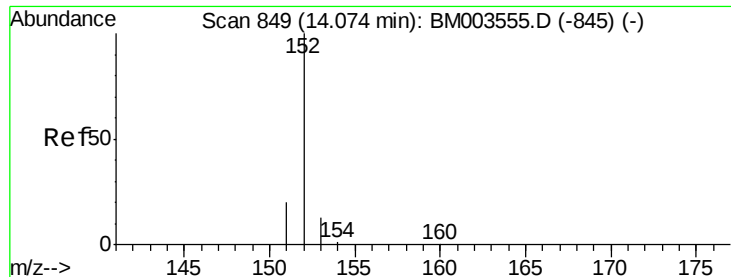
141 48.4 70.3 105.5#



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: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

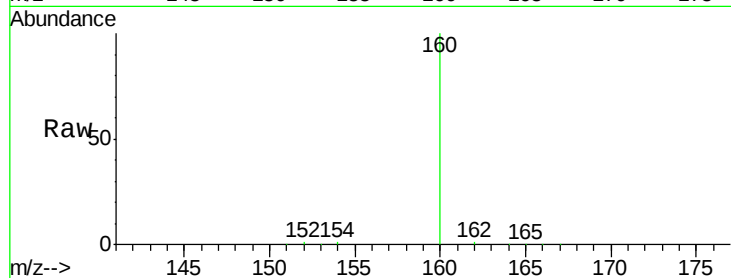
Tgt Ion:152 Resp: 669

Ion Ratio Lower Upper

152 100

151 28.9 17.6 26.4#

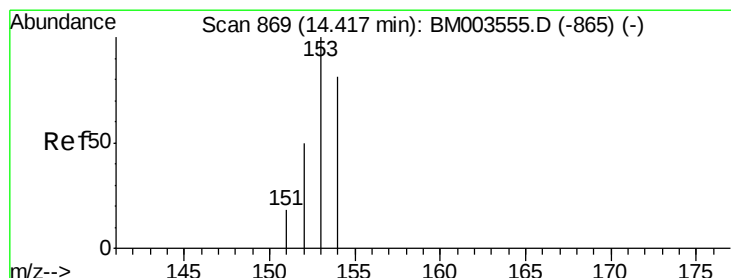
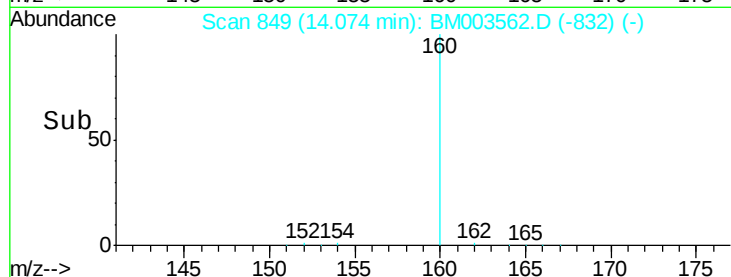
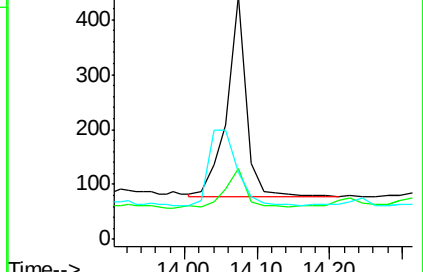
153 27.3 9.7 14.5#



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: 34.82 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

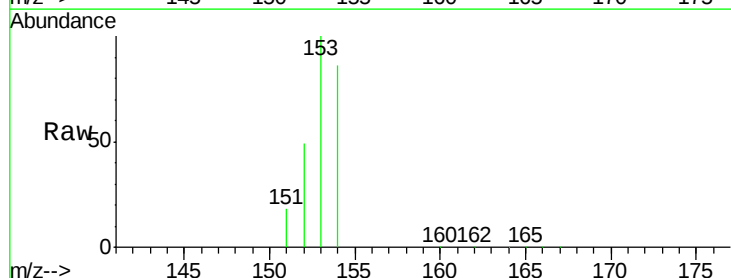
Tgt Ion:153 Resp: 1306261

Ion Ratio Lower Upper

153 100

152 48.7 33.9 50.9

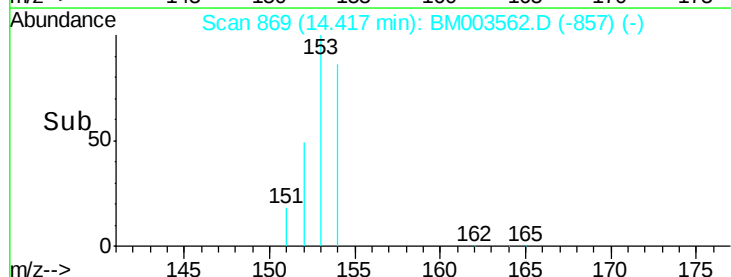
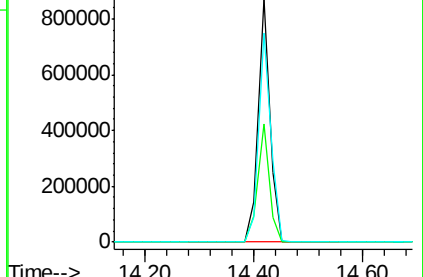
154 85.7 80.6 121.0

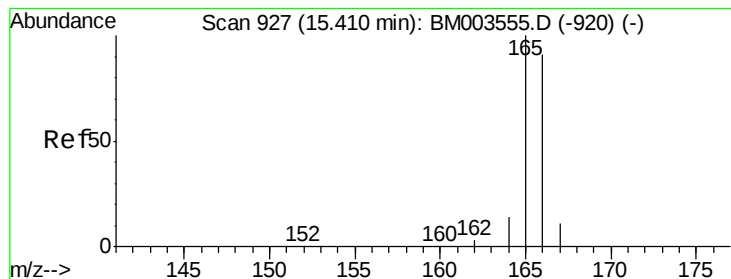


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

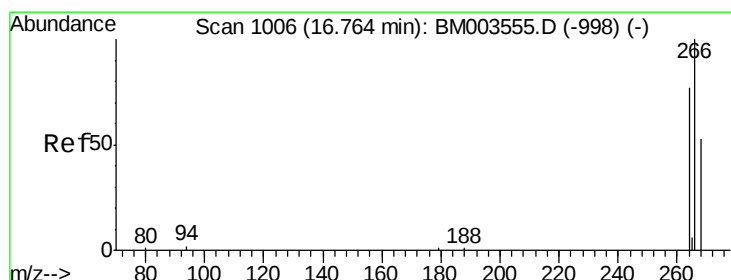
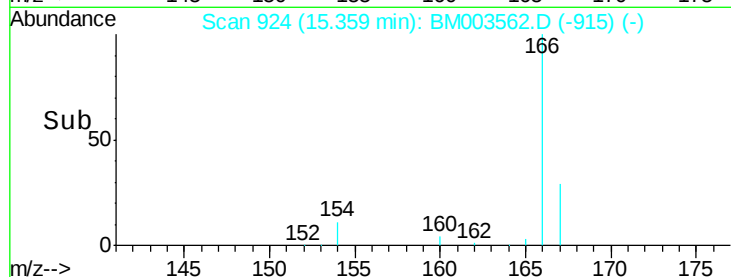
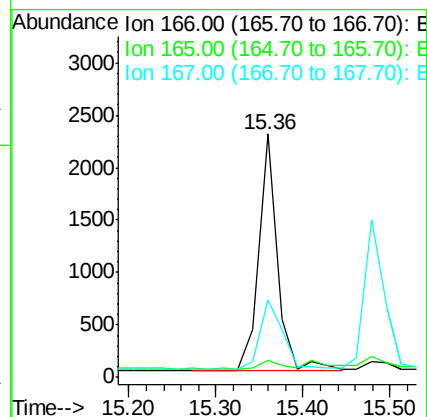
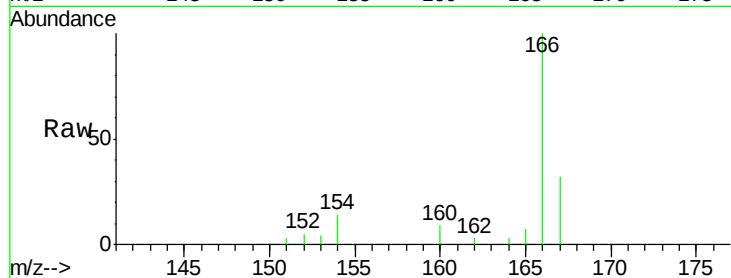
Tgt Ion:166 Resp: 3393

Ion Ratio Lower Upper

166 100

165 7.0 69.6 104.4#

167 31.6 11.9 17.9#



#13

Pentachlorophenol

Concen: 1.16 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

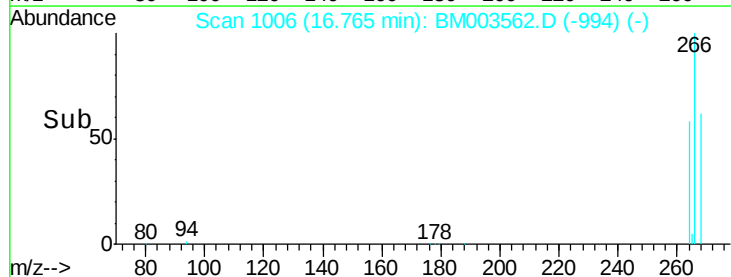
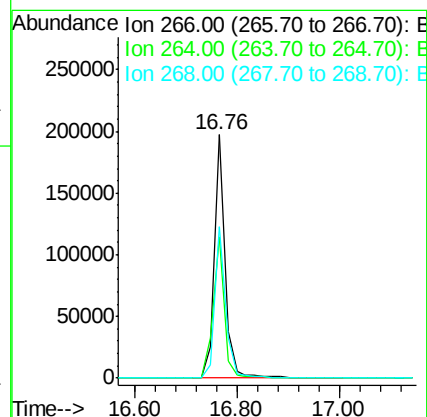
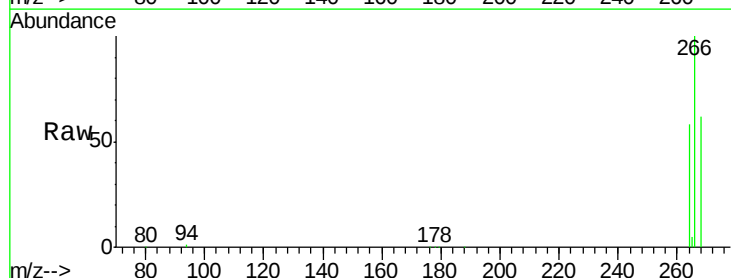
Tgt Ion:266 Resp: 286196

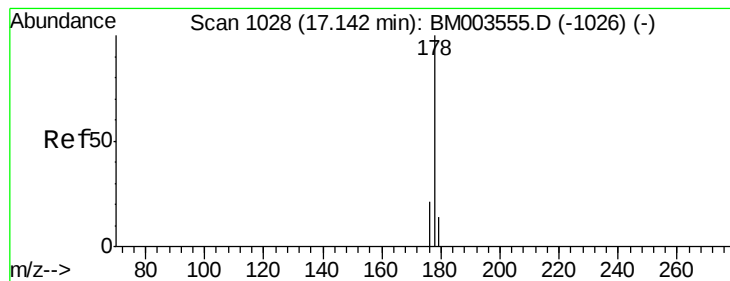
Ion Ratio Lower Upper

266 100

264 61.7 51.8 77.8

268 63.8 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.10 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

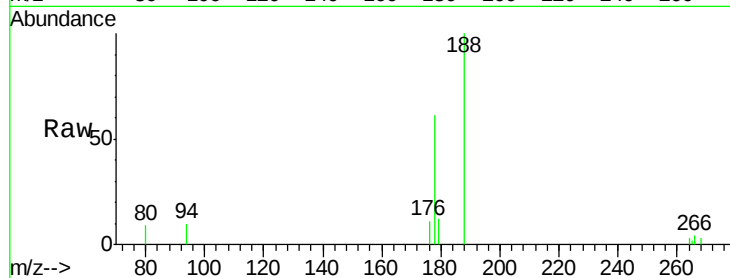
Tgt Ion:178 Resp: 7575

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

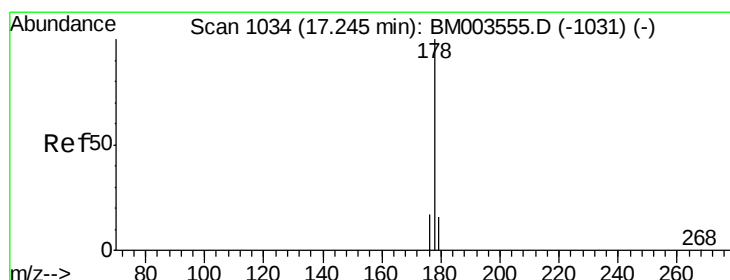
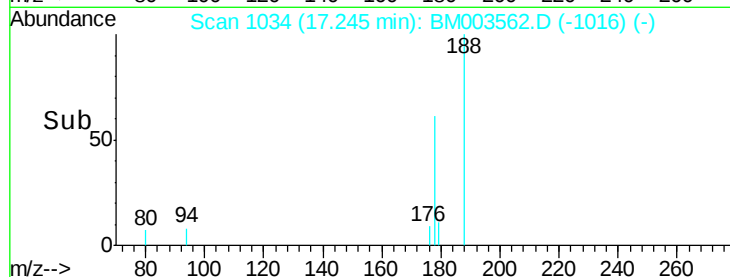
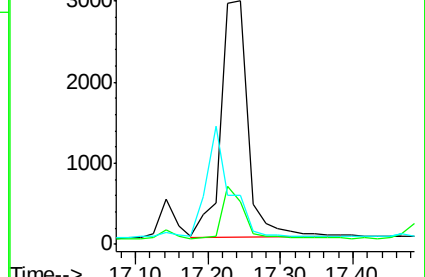
179 20.1 14.2 21.2



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: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

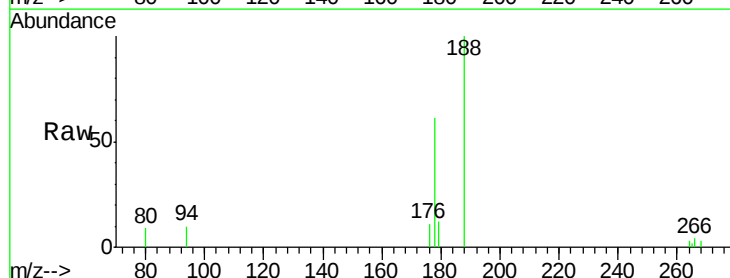
Tgt Ion:178 Resp: 7557

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

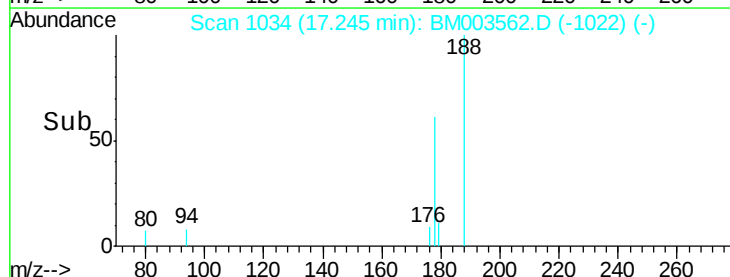
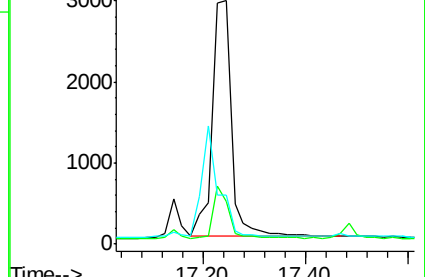
179 20.1 12.9 19.3#

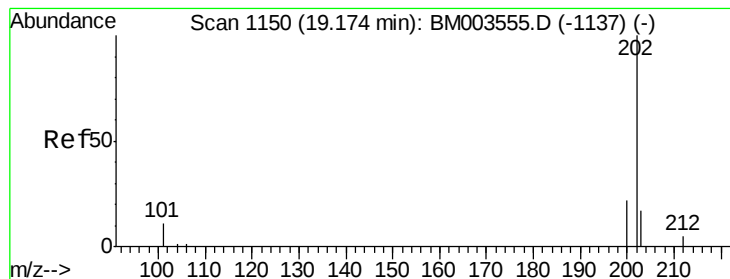


Abundance Ion 178.00 (177.70 to 178.70): E

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. -0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

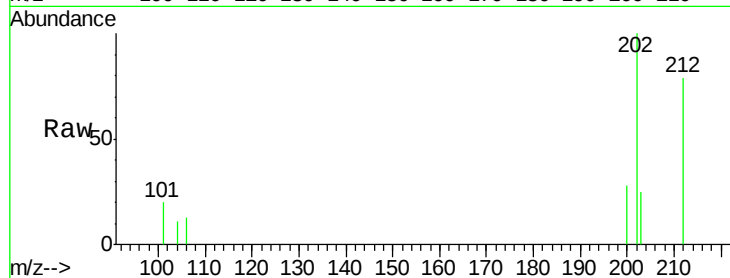
Tgt Ion:202 Resp: 1586

Ion Ratio Lower Upper

202 100

101 20.3 0.0 29.6

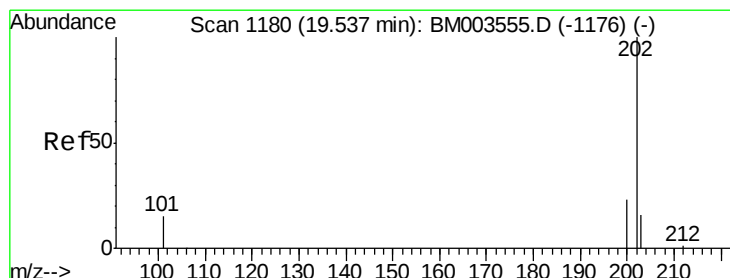
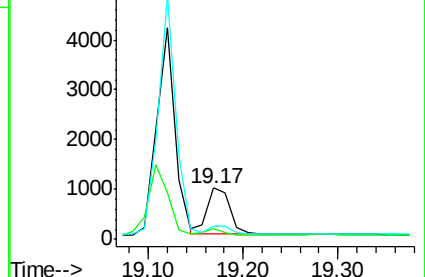
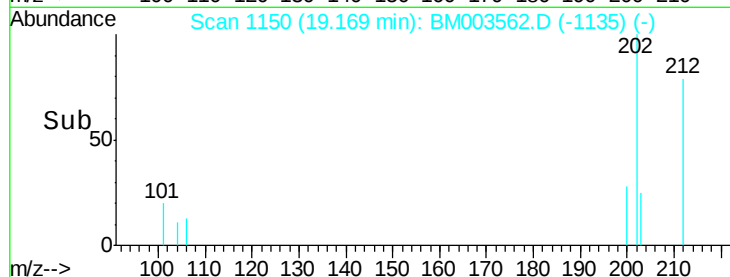
203 24.7 0.0 36.3



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: 43.95 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

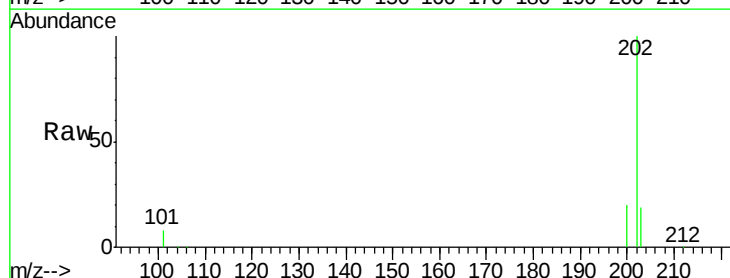
Tgt Ion:202 Resp: 2569832

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.8

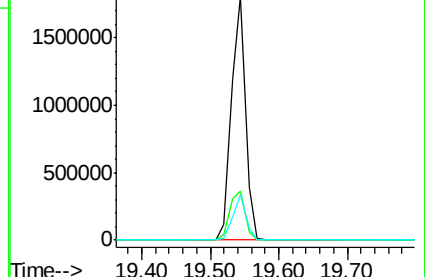
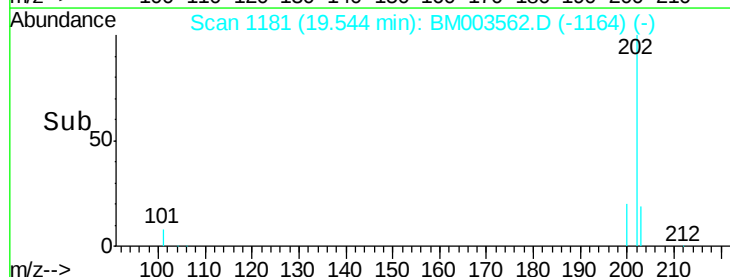
203 18.8 12.8 19.2

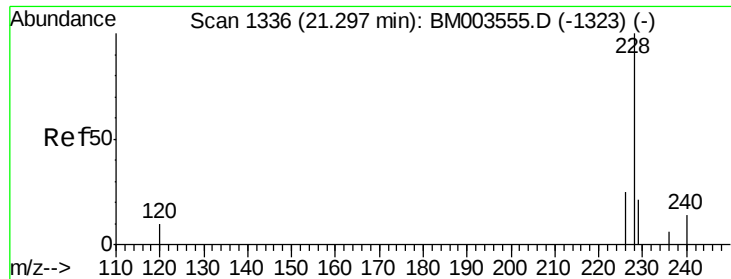


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

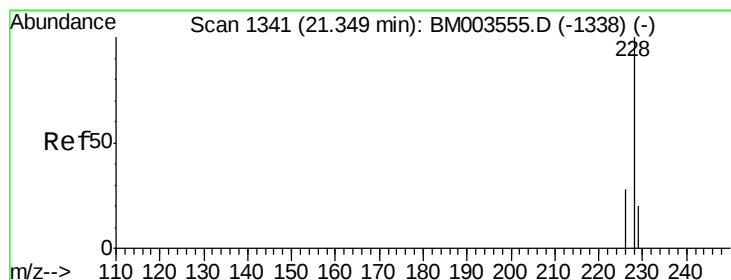
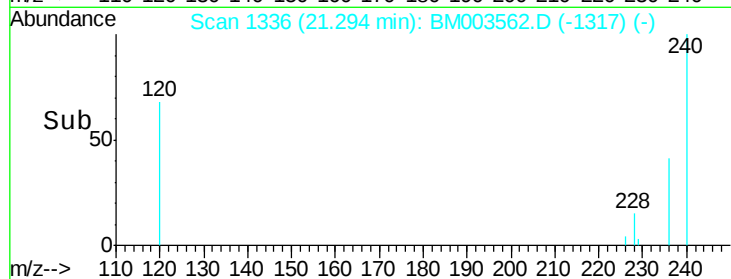
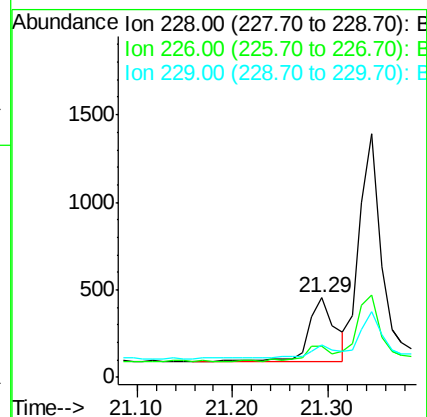
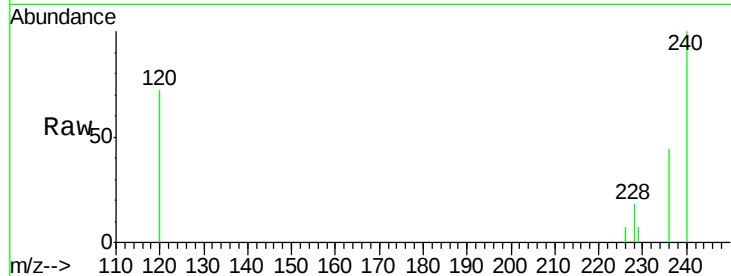
Tgt Ion:228 Resp: 684

Ion Ratio Lower Upper

228 100

226 40.0 18.8 28.2#

229 40.5 17.1 25.7#



#21

Chrysene

Concen: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

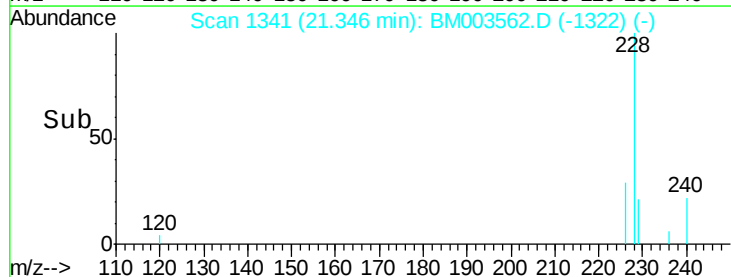
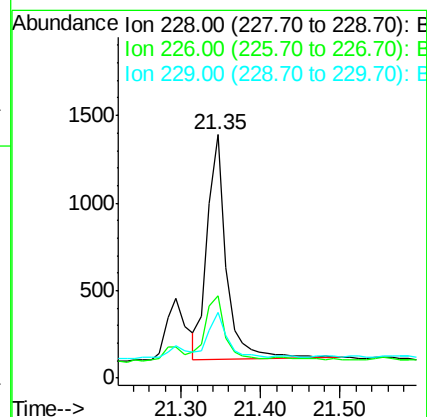
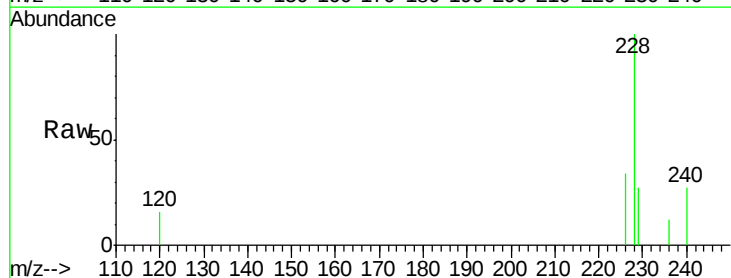
Tgt Ion:228 Resp: 2156

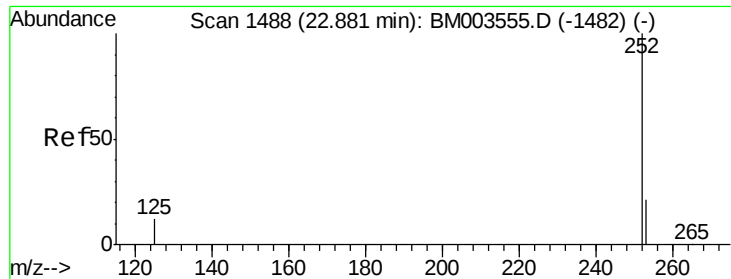
Ion Ratio Lower Upper

228 100

226 33.6 21.2 31.8#

229 27.0 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

BNA_M

ClientSampleId :

A4KW2MSD

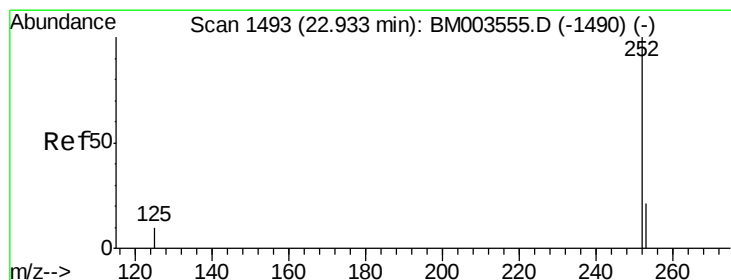
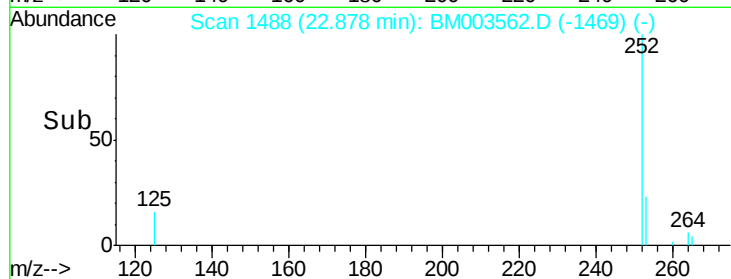
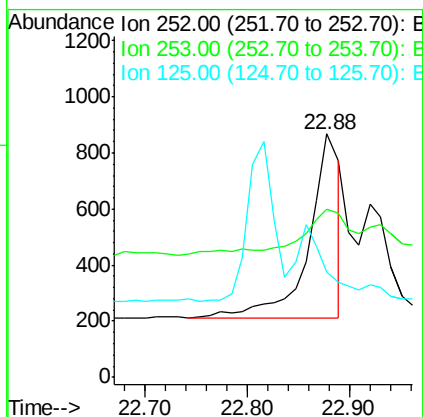
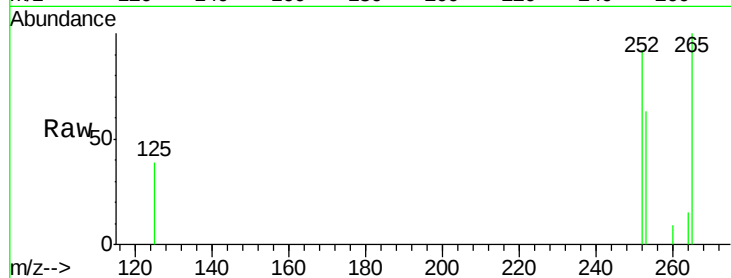
Tgt Ion:252 Resp: 1395

Ion Ratio Lower Upper

252 100

253 68.8 0.0 45.4#

125 43.1 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.06 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

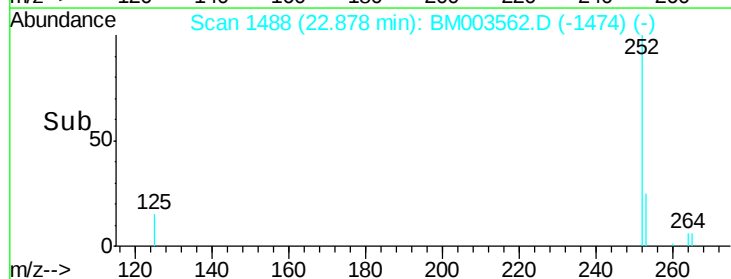
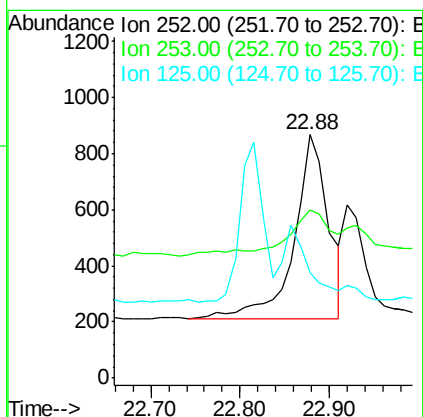
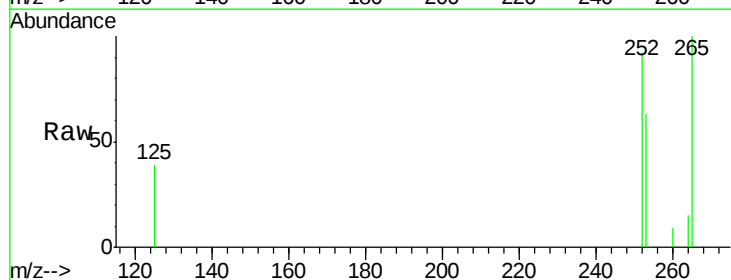
Tgt Ion:252 Resp: 1748

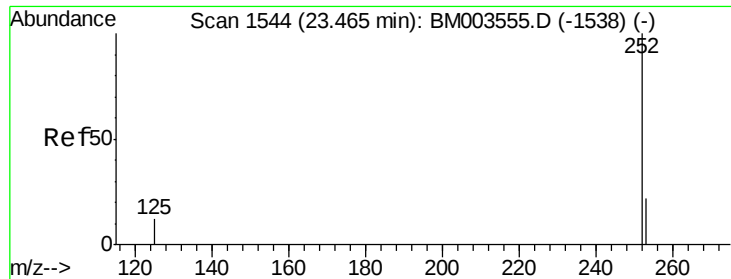
Ion Ratio Lower Upper

252 100

253 68.8 19.8 29.8#

125 43.1 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Instrument :

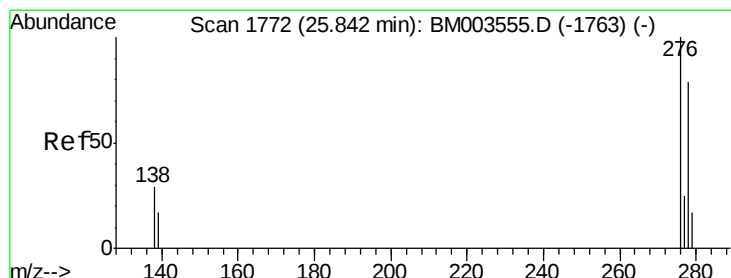
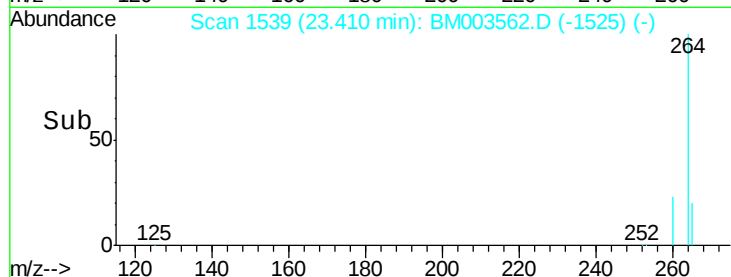
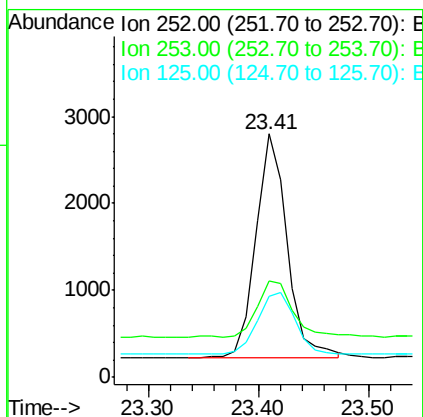
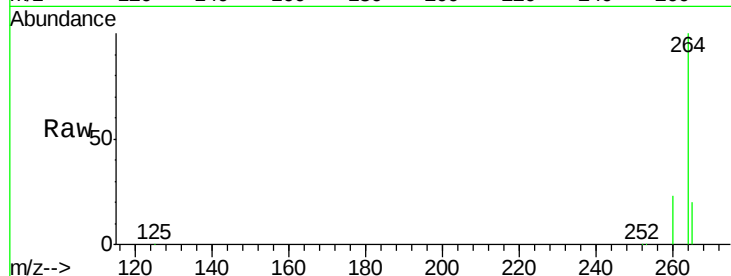
BNA_M

ClientSampleId :

A4KW2MSD

Tgt Ion: 252 Resp: 5101

Ion	Ratio	Lower	Upper
252	100		
253	39.5	19.4	29.2#
125	33.5	12.7	19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.83 min Scan# 1771

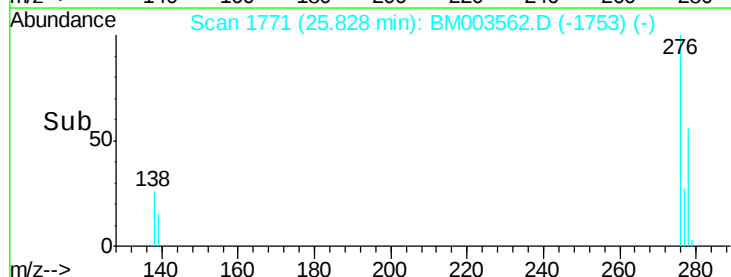
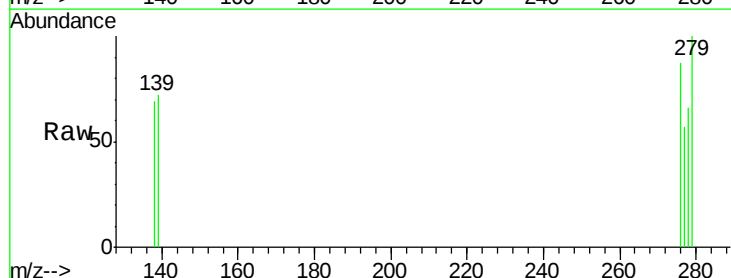
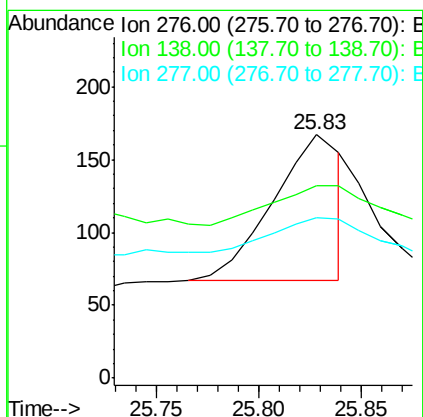
Delta R.T. -0.01 min

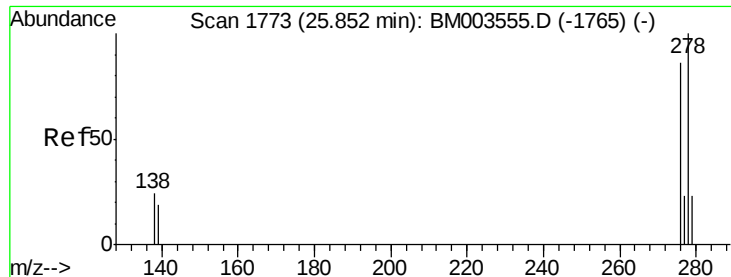
Lab File: BM003562.D

Acq: 15 Dec 2015 23:19

Tgt Ion: 276 Resp: 235

Ion	Ratio	Lower	Upper
276	100		
138	0.0	16.3	24.5#
277	48.5	19.8	29.8#

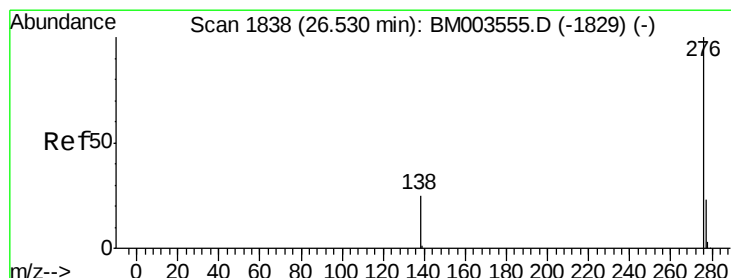
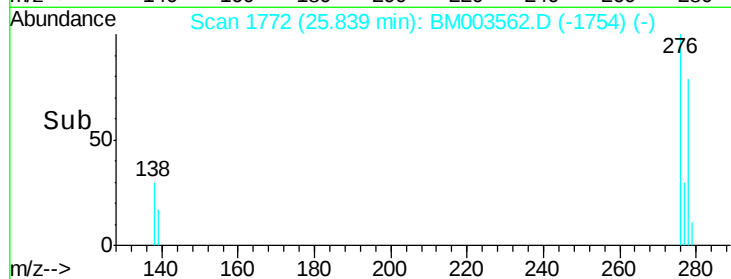
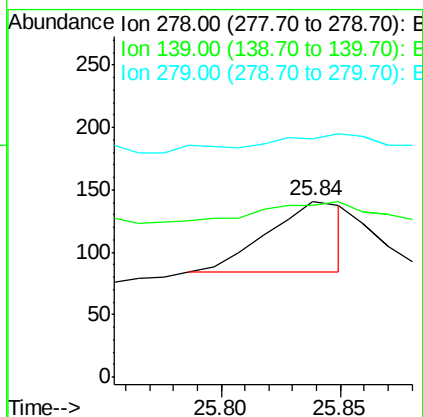
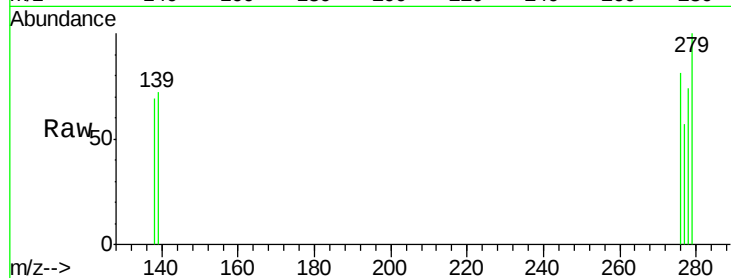




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BM003562.D
Acq: 15 Dec 2015 23:19

Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Tgt Ion: 278 Resp: 127
Ion Ratio Lower Upper
278 100
139 97.9 16.4 24.6#
279 135.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.33 min Scan# 1819
Delta R.T. -0.20 min
Lab File: BM003562.D
Acq: 15 Dec 2015 23:19

Tgt Ion: 276 Resp: 10
Ion Ratio Lower Upper
276 100
277 127.3 18.9 28.3#
138 159.1 22.5 33.7#

