

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003258.D
 Acq On : 21 Nov 2015 21:05
 Operator : UM/IZ
 Sample : G4323-31
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J60

Quant Time: Nov 22 04:45:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 04:42:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12633	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	51996	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	30087	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	61182	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	57884	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	59412	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	45628	3.38	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11960	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	20400	0.14	ng/ul	0.00

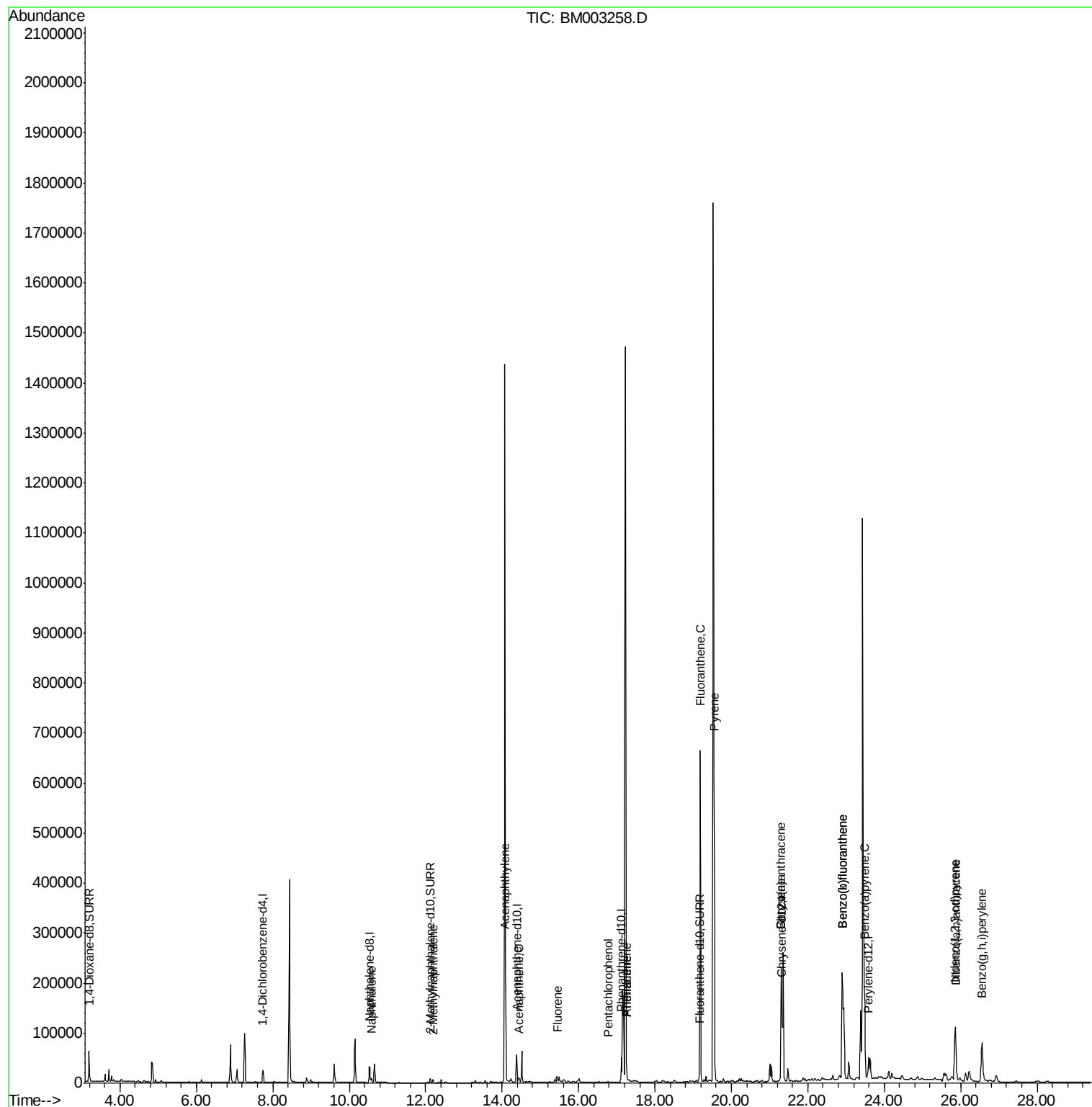
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	11931	0.09	ng/ul#	95
7) 2-Methylnaphthalene	12.19	142	4397	0.05	ng/ul#	100
9) Acenaphthylene	14.09	152	24474	0.20	ng/ul	98
10) Acenaphthene	14.43	153	7295	0.07	ng/ul#	78
11) Fluorene	15.44	166	15645	0.14	ng/ul#	97
13) Pentachlorophenol	16.78	266	1059	0.07	ng/ul	94
14) Phenanthrene	17.26	178	39185	0.22	ng/ul	99
15) Anthracene	17.26	178	42599	0.29	ng/ul	98
17) Fluoranthene	19.19	202	581463	2.95	ng/ul	99
19) Pyrene	19.55	202	529460	2.67	ng/ul	99
20) Benzo(a)anthracene	21.30	228	249407	1.49	ng/ul#	89
21) Chrysene	21.30	228	248073	1.31	ng/ul	93
23) Benzo(b)fluoranthene	22.91	252	506587	2.24	ng/ul	99
24) Benzo(k)fluoranthene	22.91	252	506587	2.37	ng/ul	97
25) Benzo(a)pyrene	23.48	252	242049	1.20	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	171724	0.72	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.87	278	40596	0.21	ng/ul#	90
28) Benzo(g,h,i)perylene	26.56	276	162926	0.77	ng/ul	99

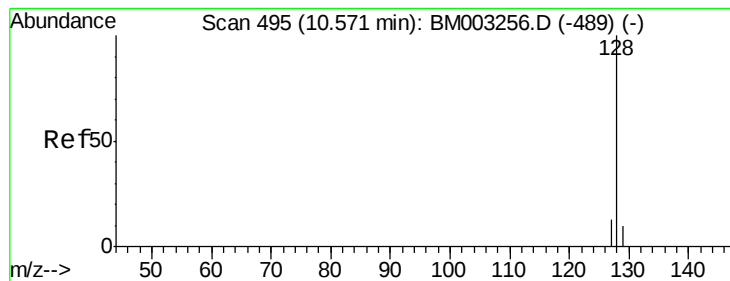
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.09 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

BNA_M

ClientSampleId :

A4J60

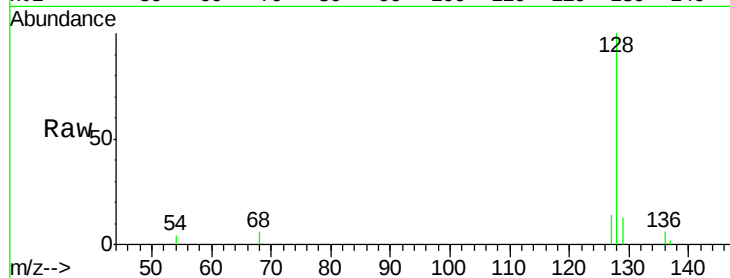
Tgt Ion:128 Resp: 11931

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

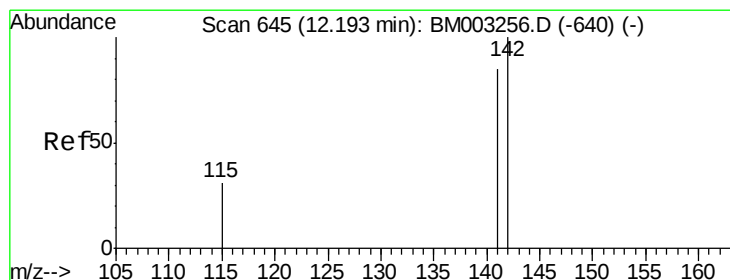
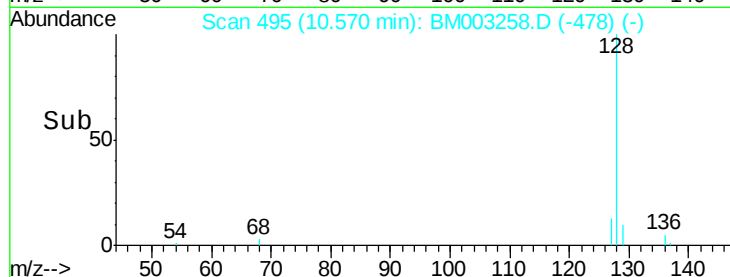
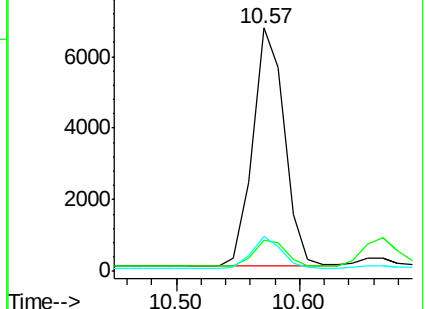
127 14.4 9.6 14.4#



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: 0.05 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003258.D

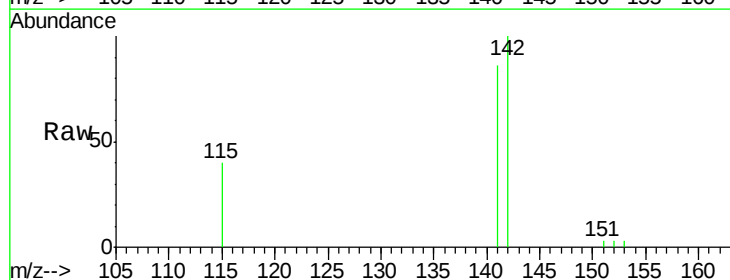
Acq: 21 Nov 2015 21:05

Tgt Ion:142 Resp: 4397

Ion Ratio Lower Upper

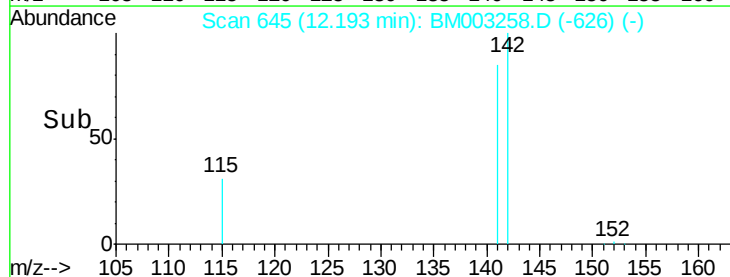
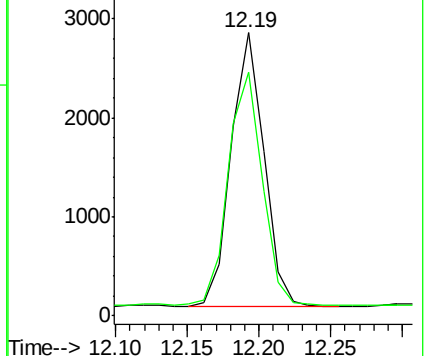
142 100

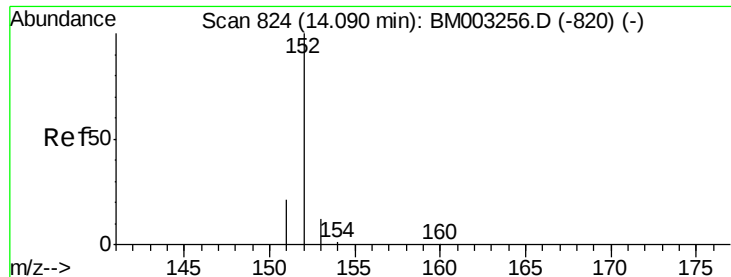
141 89.5 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

BNA_M

ClientSampleId :

A4J60

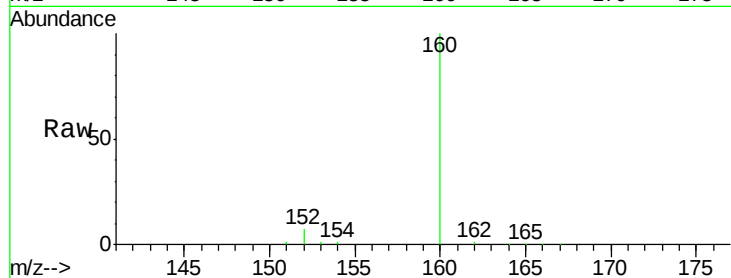
Tgt Ion:152 Resp: 24474

Ion Ratio Lower Upper

152 100

151 21.5 17.6 26.4

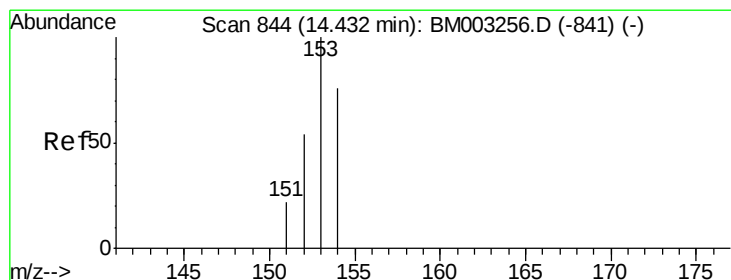
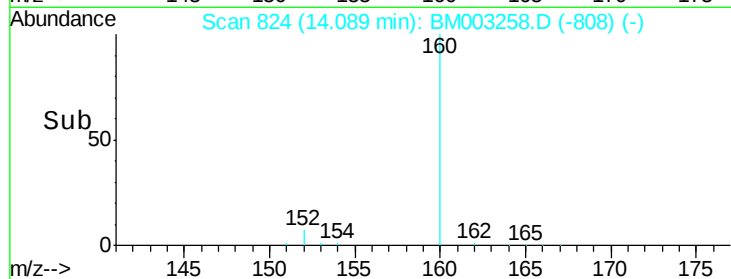
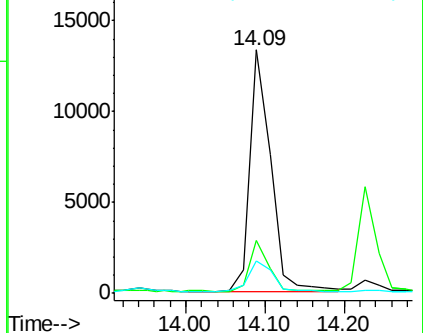
153 13.3 9.7 14.5



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: 0.07 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

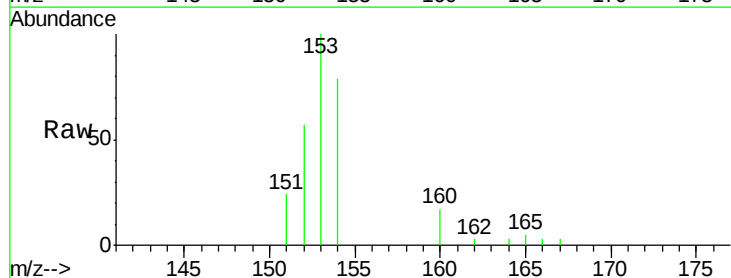
Tgt Ion:153 Resp: 7295

Ion Ratio Lower Upper

153 100

152 56.7 33.9 50.9#

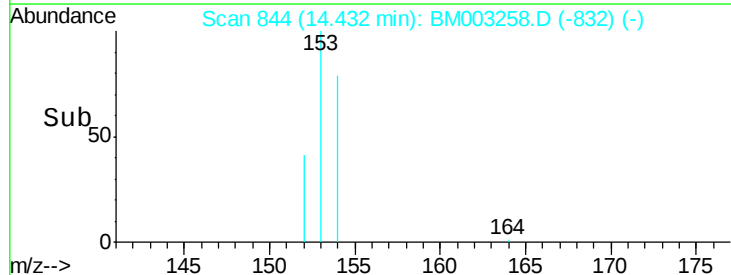
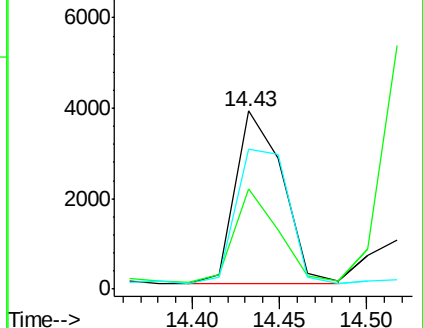
154 78.6 80.6 121.0#

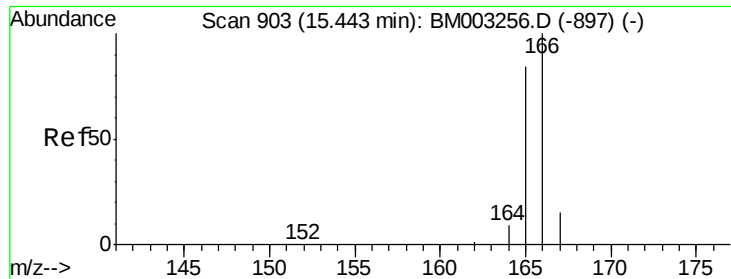


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.14 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

BNA_M

ClientSampleId :

A4J60

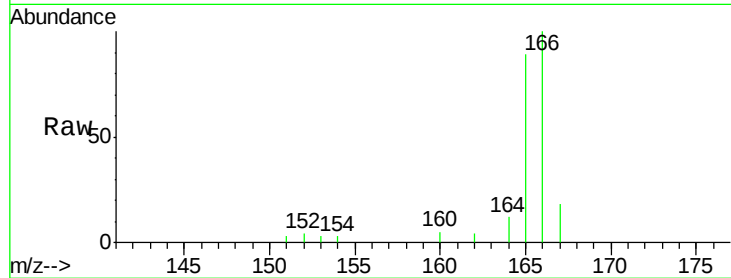
Tgt Ion:166 Resp: 15645

Ion Ratio Lower Upper

166 100

165 89.4 69.6 104.4

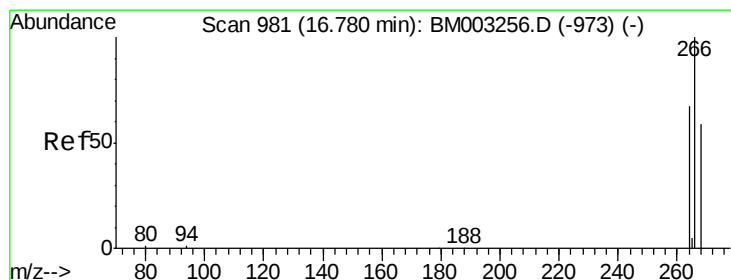
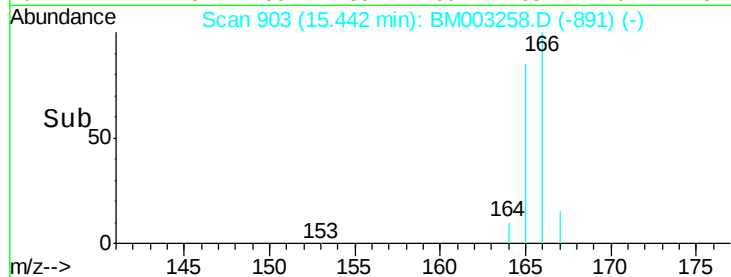
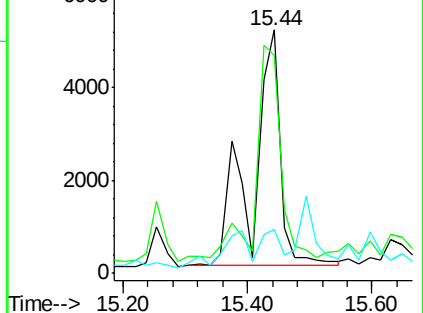
167 18.1 11.9 17.9#



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: 0.07 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

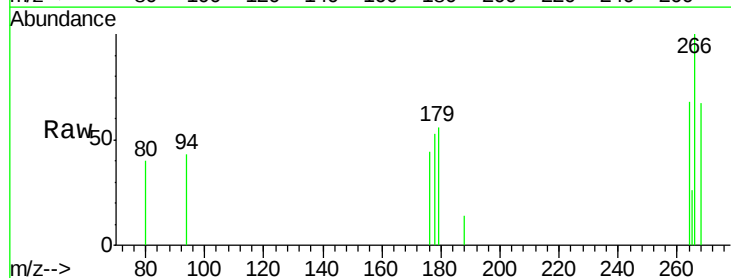
Tgt Ion:266 Resp: 1059

Ion Ratio Lower Upper

266 100

264 63.6 51.8 77.8

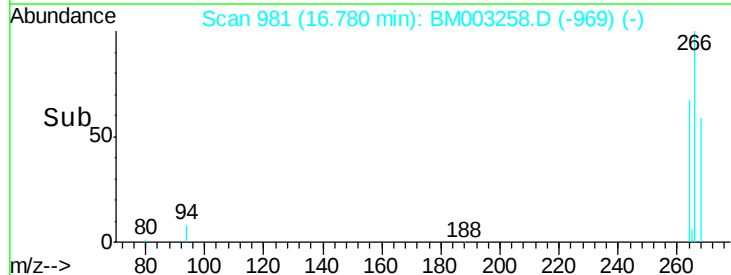
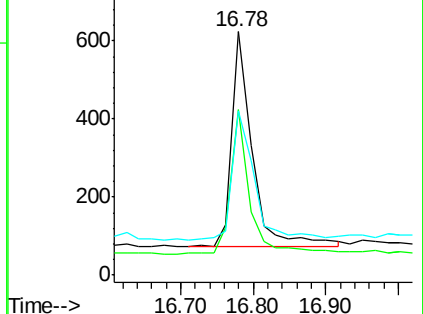
268 66.6 46.8 70.2

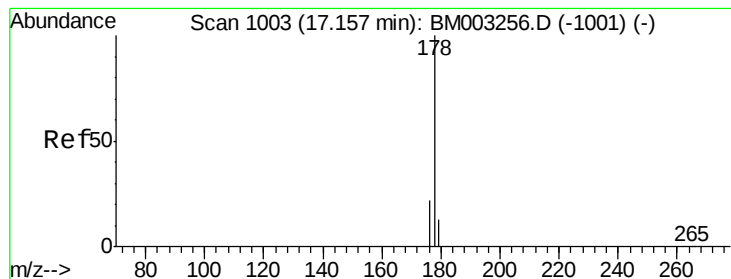


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.22 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

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ClientSampleId :

A4J60

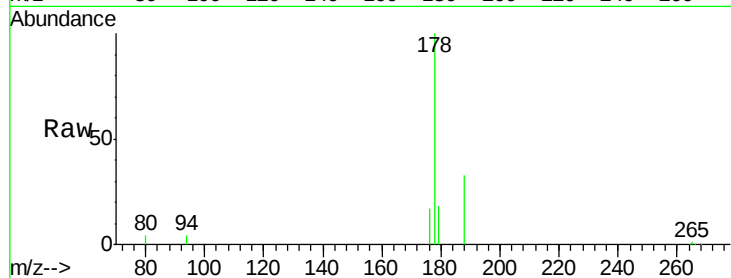
Tgt Ion:178 Resp: 39185

Ion Ratio Lower Upper

178 100

176 17.0 13.0 19.4

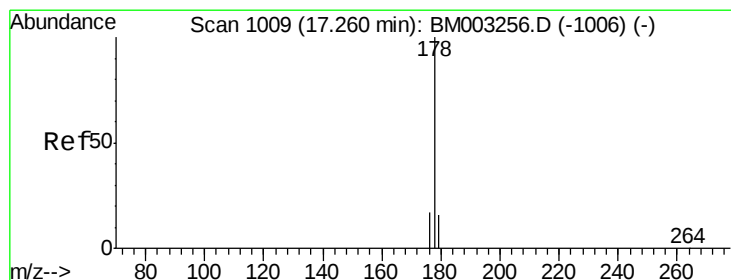
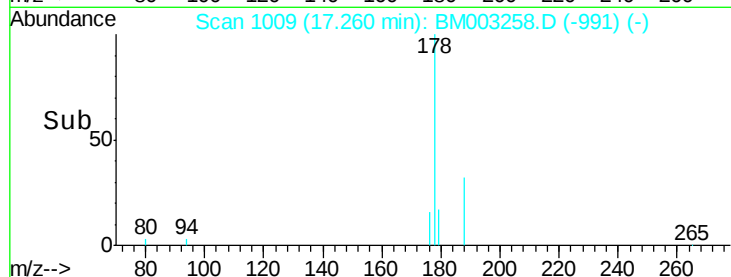
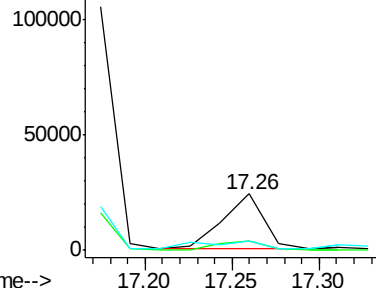
179 17.6 14.2 21.2



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: 0.29 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

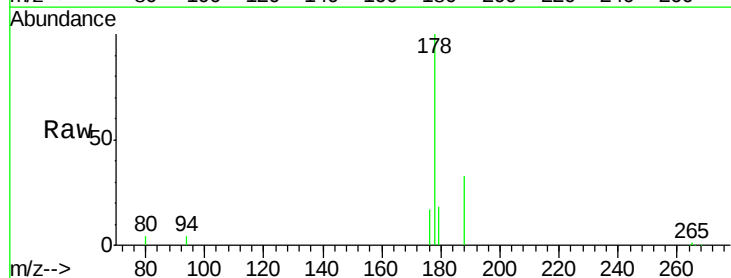
Tgt Ion:178 Resp: 42599

Ion Ratio Lower Upper

178 100

176 17.0 14.0 21.0

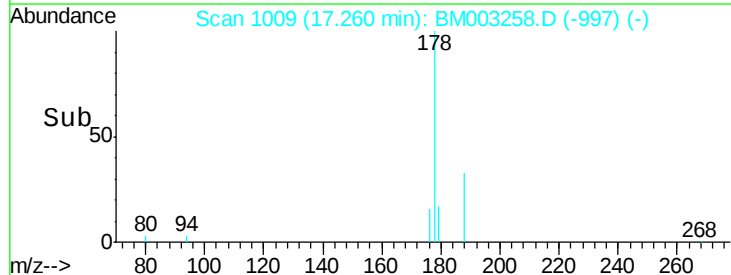
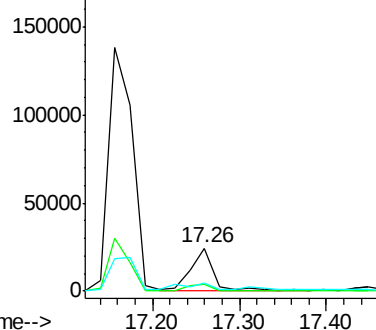
179 17.6 12.9 19.3

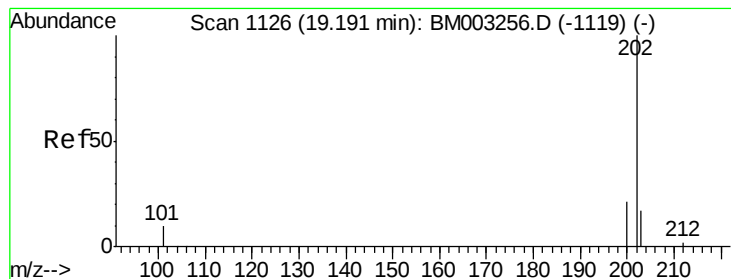


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 2.95 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

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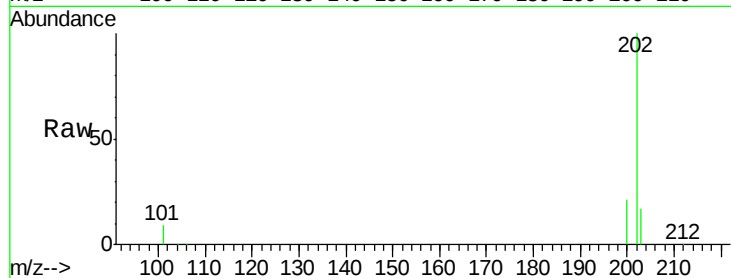
Tgt Ion:202 Resp: 581463

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

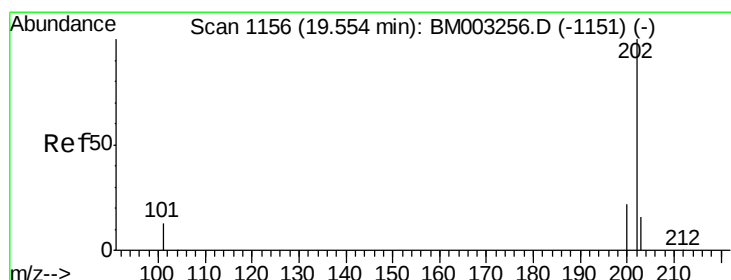
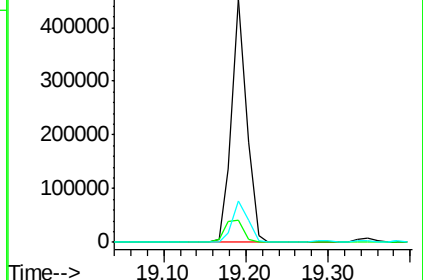
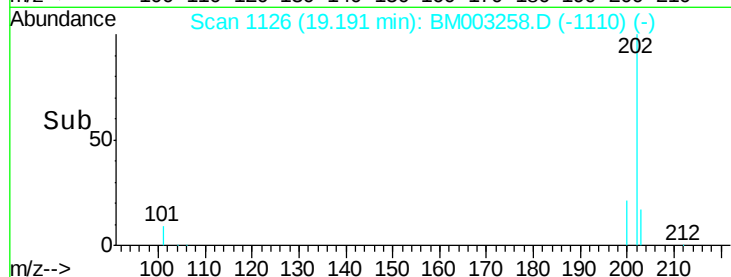
203 16.8 0.0 36.3



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: 2.67 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

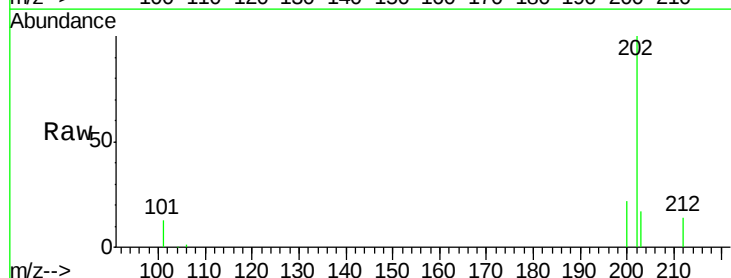
Tgt Ion:202 Resp: 529460

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.8

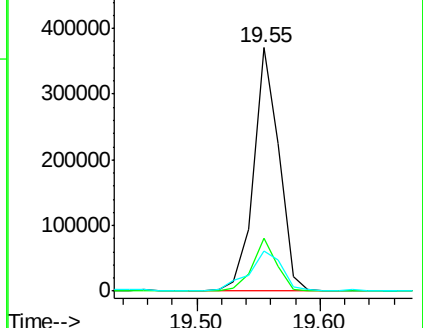
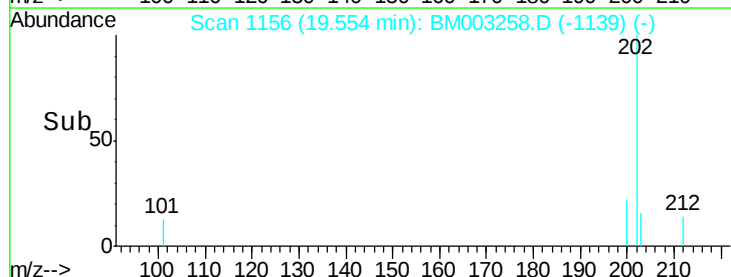
203 16.7 12.8 19.2

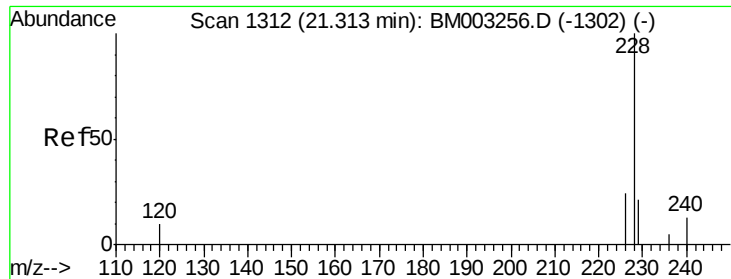


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.49 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

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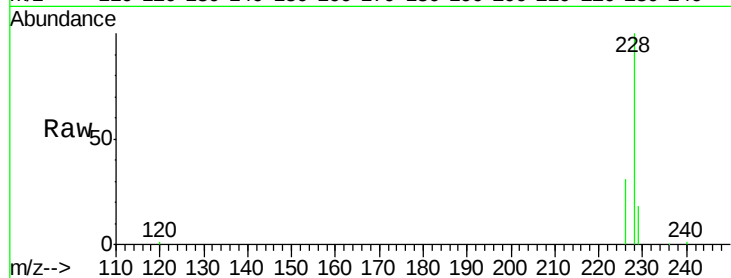
Tgt Ion:228 Resp: 249407

Ion Ratio Lower Upper

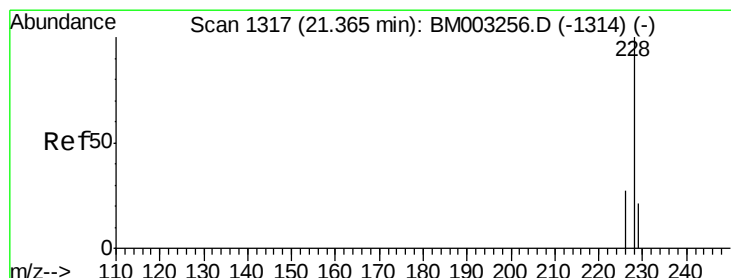
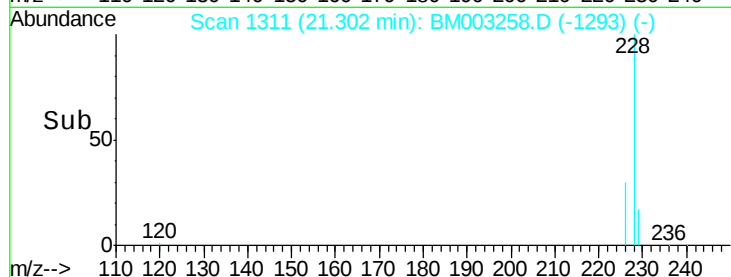
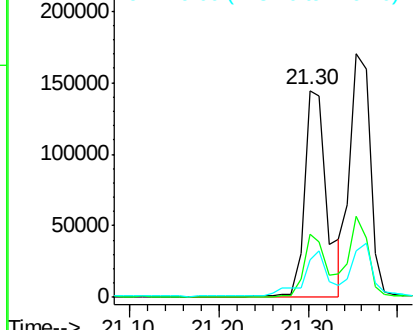
228 100

226 30.5 18.8 28.2#

229 18.3 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: 1.31 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

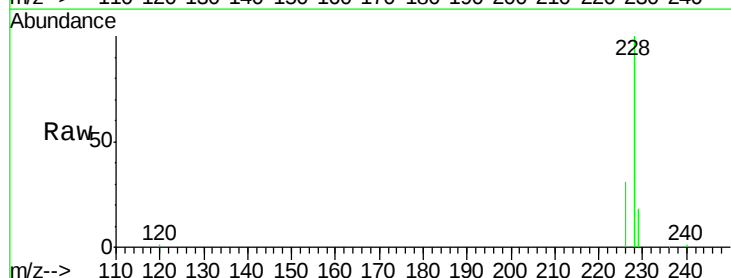
Tgt Ion:228 Resp: 248073

Ion Ratio Lower Upper

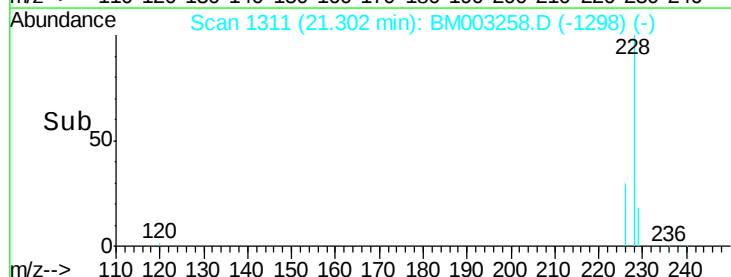
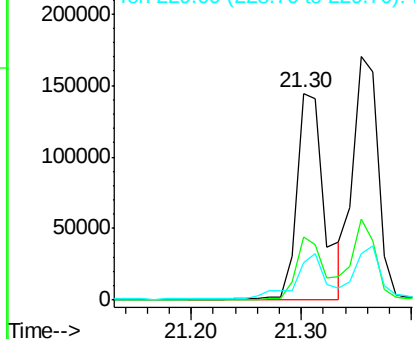
228 100

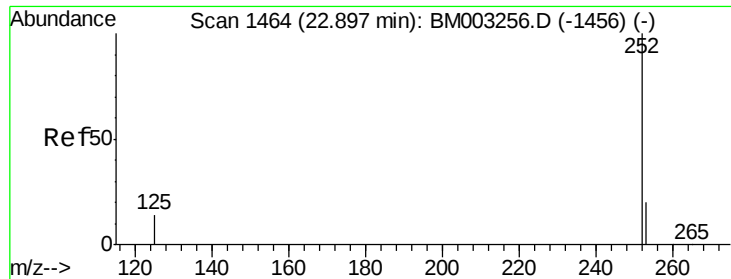
226 30.5 21.2 31.8

229 18.3 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: 2.24 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

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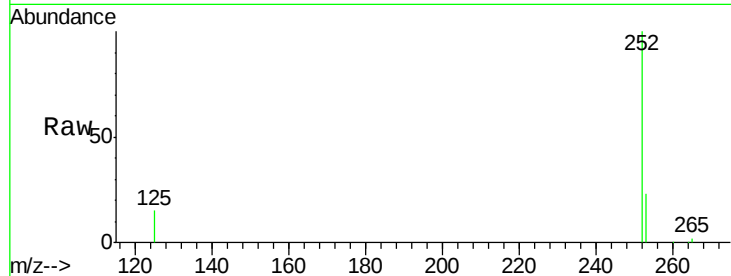
Tgt Ion:252 Resp: 506587

Ion Ratio Lower Upper

252 100

253 23.5 0.0 45.4

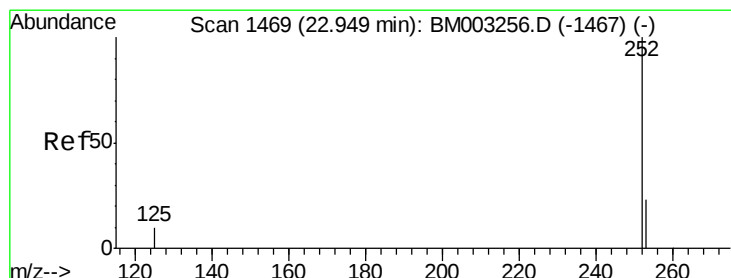
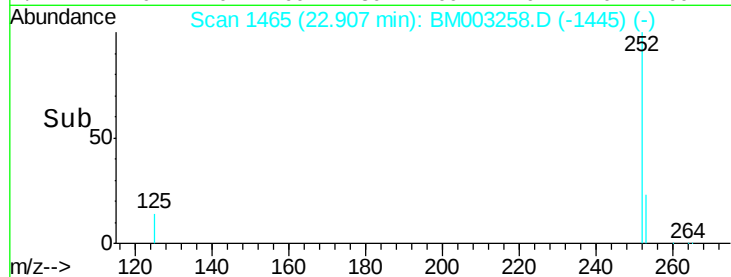
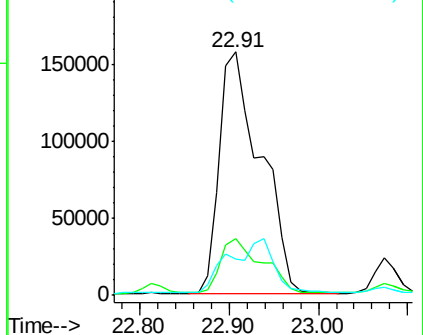
125 14.6 0.0 28.8



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: 2.37 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

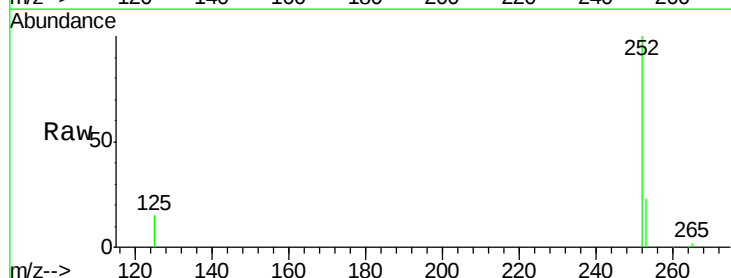
Tgt Ion:252 Resp: 506587

Ion Ratio Lower Upper

252 100

253 23.5 19.8 29.8

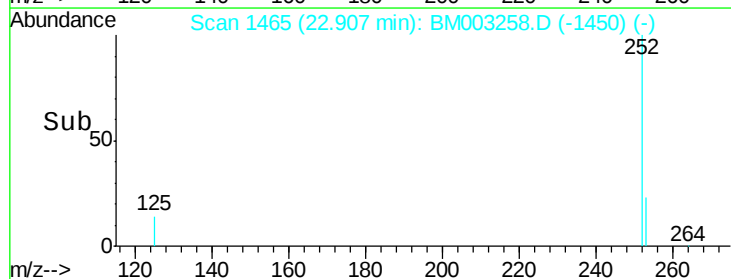
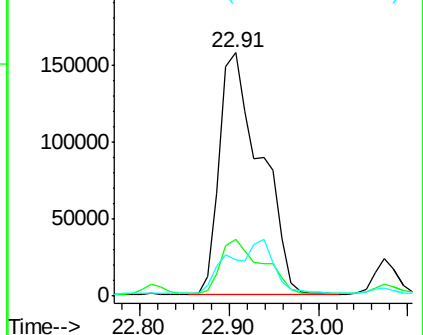
125 14.6 10.4 15.6

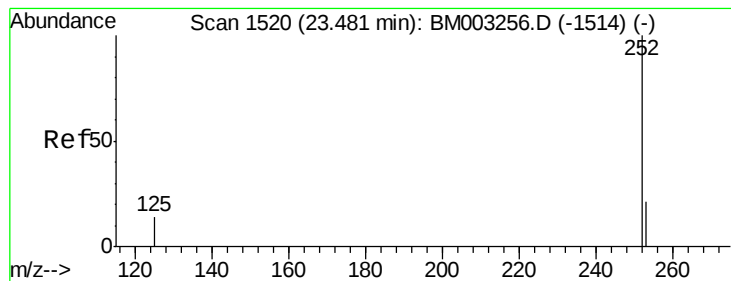


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

Instrument :

BNA_M

ClientSampleId :

A4J60

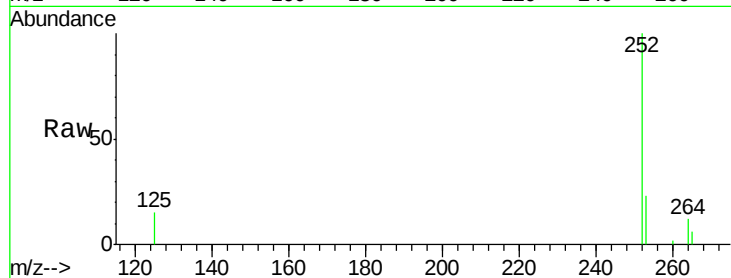
Tgt Ion:252 Resp: 242049

Ion Ratio Lower Upper

252 100

253 22.9 19.4 29.2

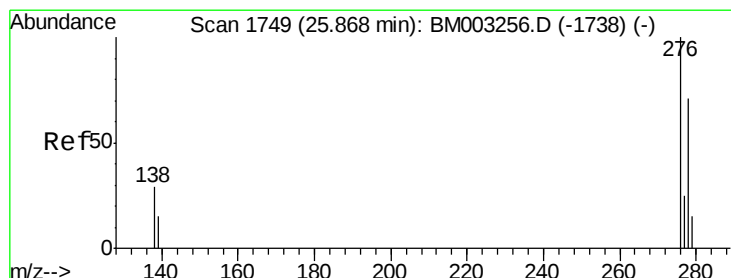
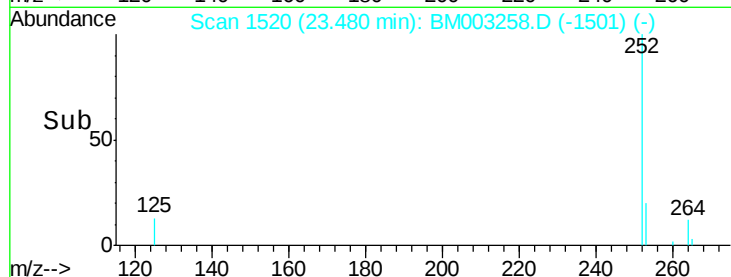
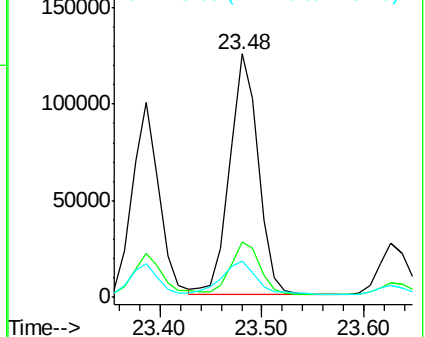
125 14.7 12.7 19.1



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: 0.72 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003258.D

Acq: 21 Nov 2015 21:05

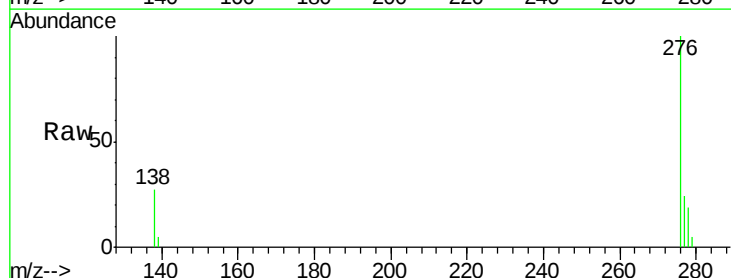
Tgt Ion:276 Resp: 171724

Ion Ratio Lower Upper

276 100

138 26.7 16.3 24.5#

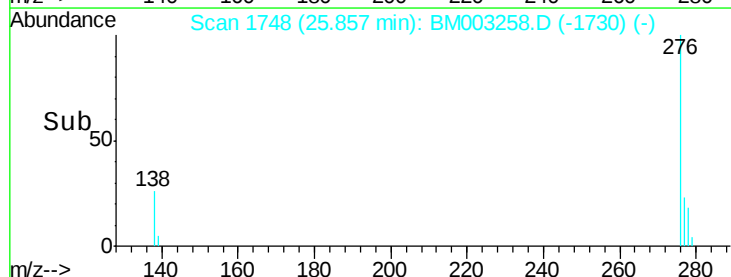
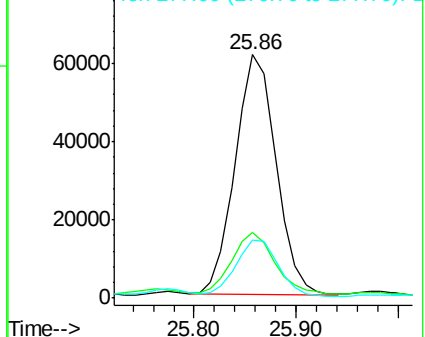
277 24.2 19.8 29.8

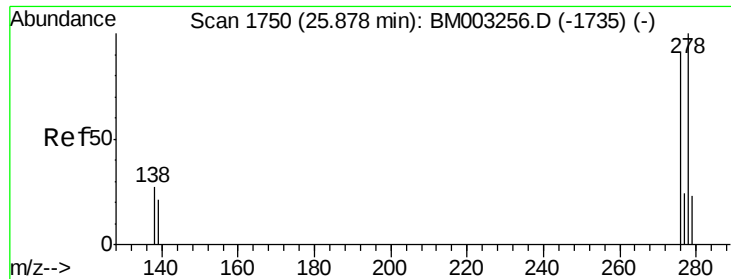


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

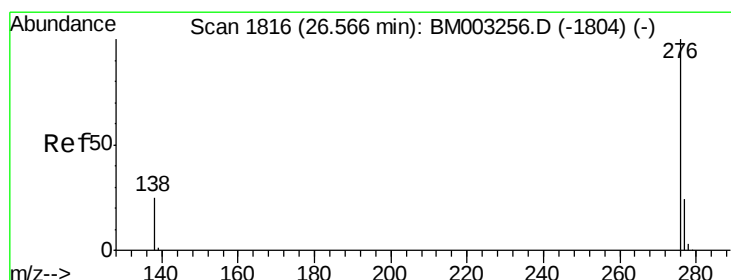
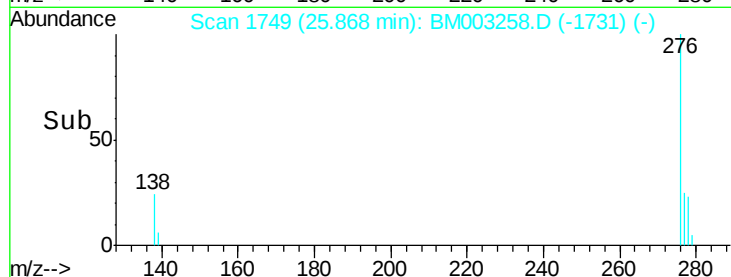
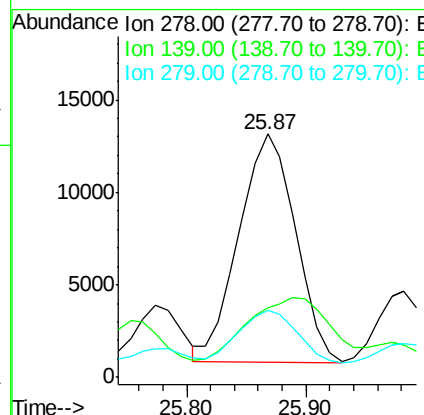
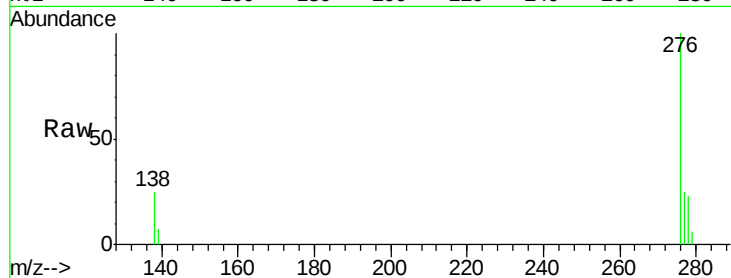




#27
Dibenzo(a,h)anthracene
Concen: 0.21 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003258.D
Acq: 21 Nov 2015 21:05

Instrument :
BNA_M
ClientSampleId :
A4J60

Tgt Ion: 278 Resp: 40596
Ion Ratio Lower Upper
278 100
139 28.7 16.4 24.6#
279 27.5 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.77 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003258.D
Acq: 21 Nov 2015 21:05

Tgt Ion: 276 Resp: 162926
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 27.2 22.5 33.7

