

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003252.D
 Acq On : 21 Nov 2015 16:55
 Operator : UM/IZ
 Sample : G4323-25DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:18:56 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 01:13:23 2015
 Response via : Initial Calibration

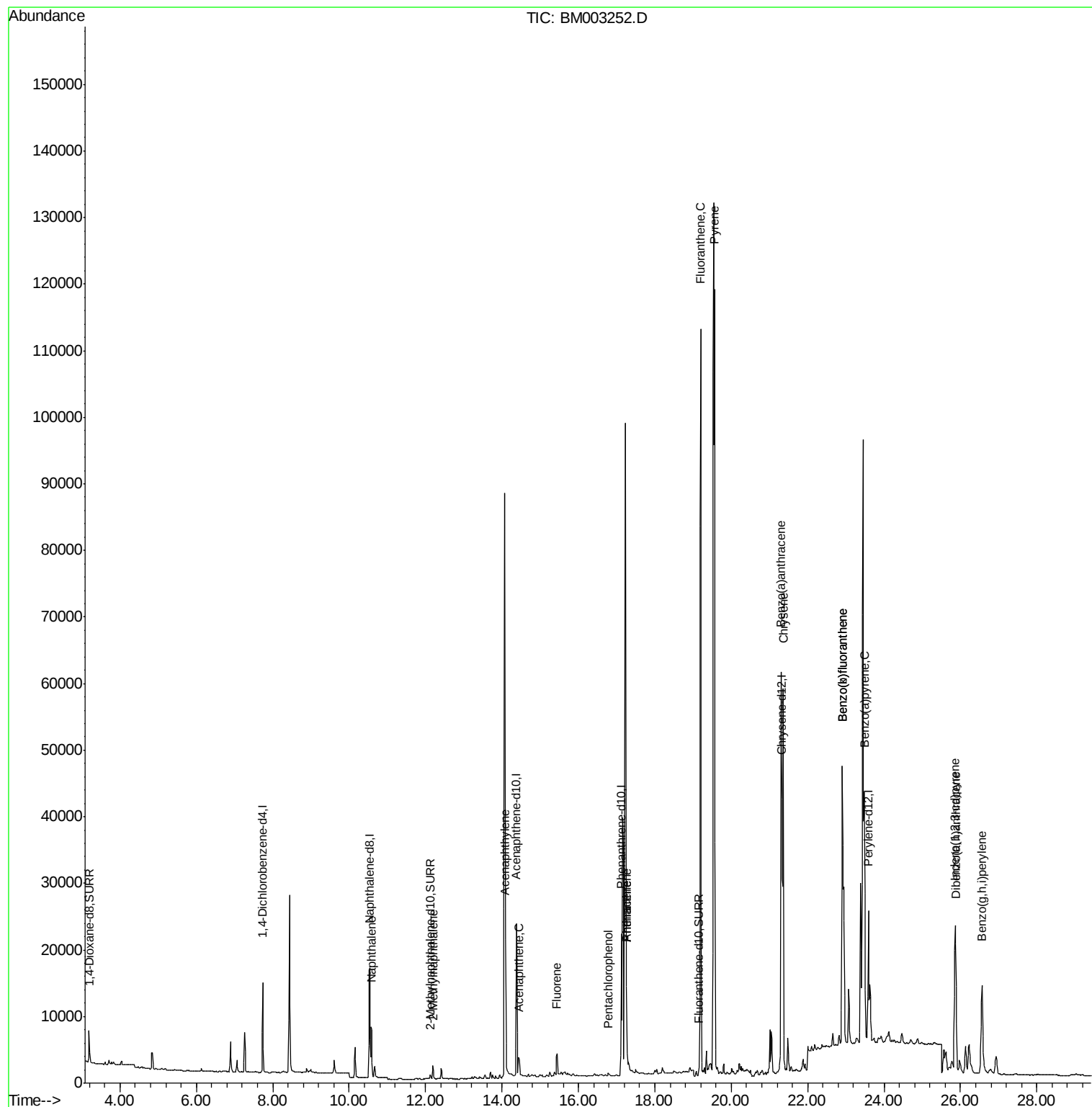
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	7038	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	26442	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	12924	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	26848	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	27217	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	26992	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	3477	0.46	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	893	0.02	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	1895	0.03	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	11710	0.17	ng/ul	96
7) 2-Methylnaphthalene	12.19	142	1524	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	7650	0.14	ng/ul	96
10) Acenaphthene	14.43	153	2288	0.05	ng/ul#	74
11) Fluorene	15.44	166	3813	0.08	ng/ul#	94
13) Pentachlorophenol	16.78	266	333	0.05	ng/ul#	90
14) Phenanthrene	17.26	178	12627	0.16	ng/ul	97
15) Anthracene	17.26	178	14381	0.22	ng/ul	97
17) Fluoranthene	19.20	202	114060	1.32	ng/ul	94
19) Pyrene	19.56	202	112945	1.21	ng/ul	94
20) Benzo(a)anthracene	21.31	228	52307	0.66	ng/ul#	91
21) Chrysene	21.36	228	56262	0.63	ng/ul	95
23) Benzo(b)fluoranthene	22.90	252	98949	0.96	ng/ul	96
24) Benzo(k)fluoranthene	22.90	252	98949	1.02	ng/ul#	96
25) Benzo(a)pyrene	23.49	252	49656	0.54	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	33818	0.31	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	8496	0.10	ng/ul#	76
28) Benzo(a,h,i)perylene	26.56	276	28376	0.30	ng/ul	98

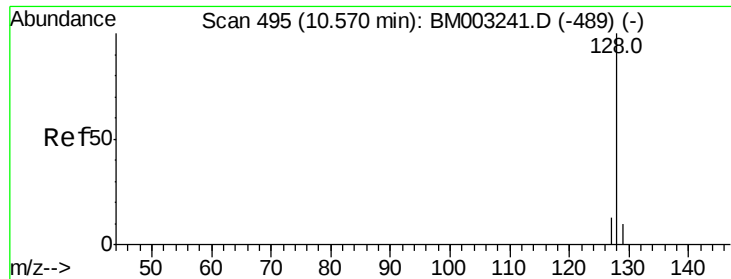
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Nov 22 01:13:23 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.17 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

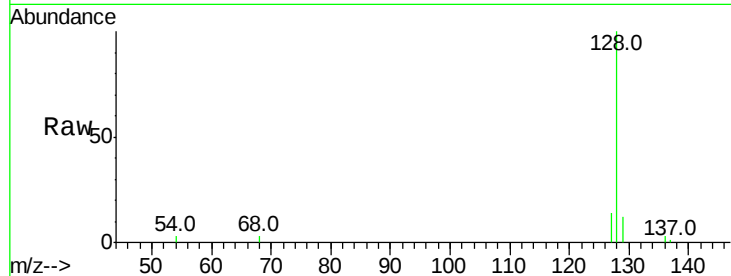
Tot Ion:128 Resp: 11710

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

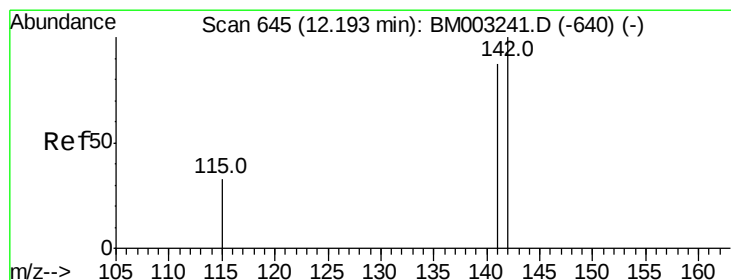
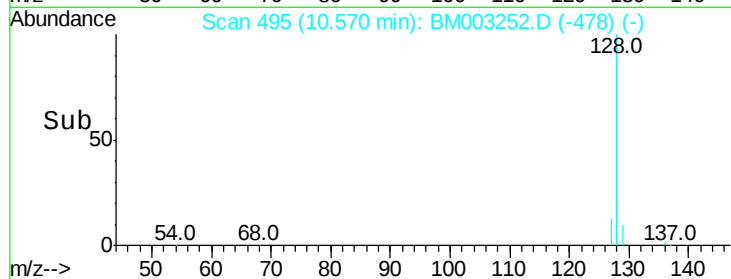
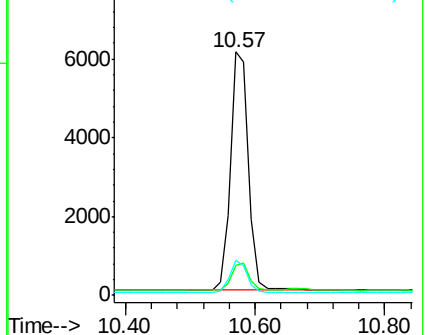
127 14.4 9.6 14.4



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: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003252.D

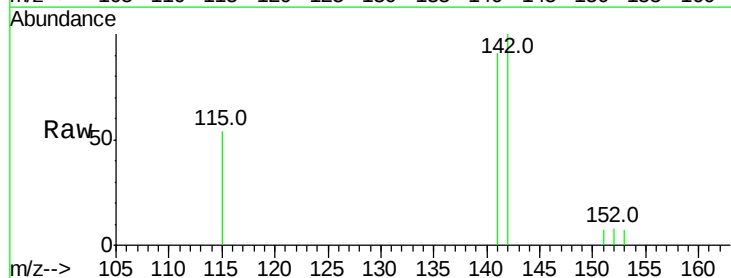
Acq: 21 Nov 2015 16:55

Tgt Ion:142 Resp: 1524

Ion Ratio Lower Upper

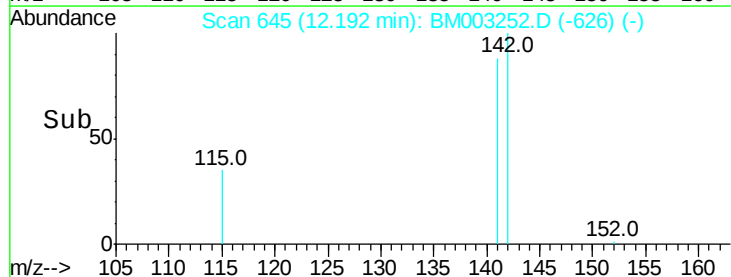
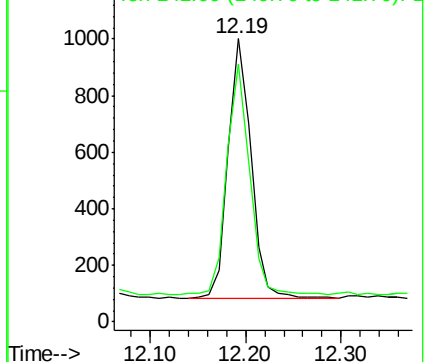
142 100

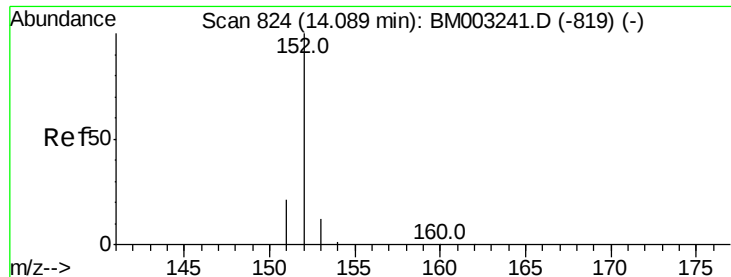
141 89.4 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

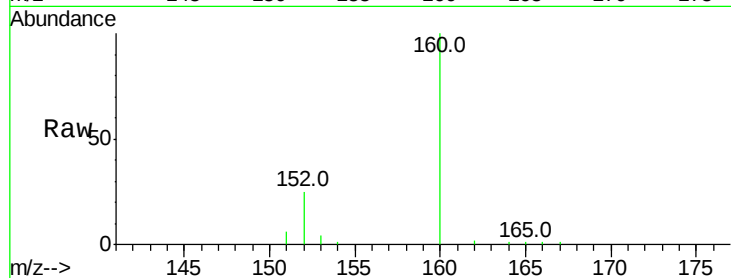
Tot Ion:152 Resp: 7650

Ion Ratio Lower Upper

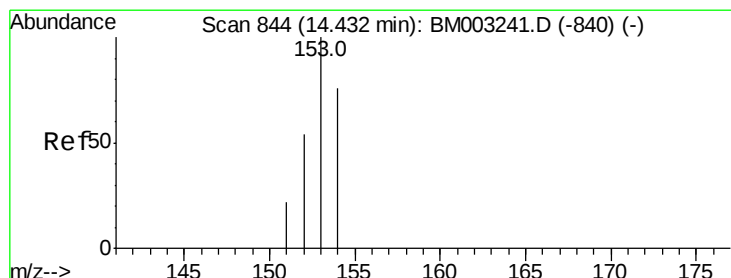
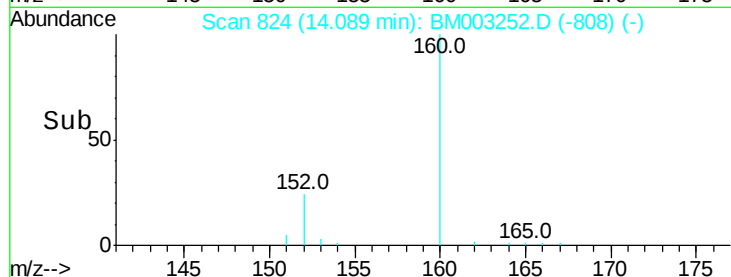
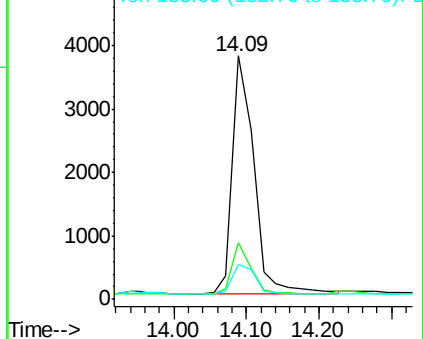
152 100

151 23.1 17.6 26.4

153 14.4 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: 0.05 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

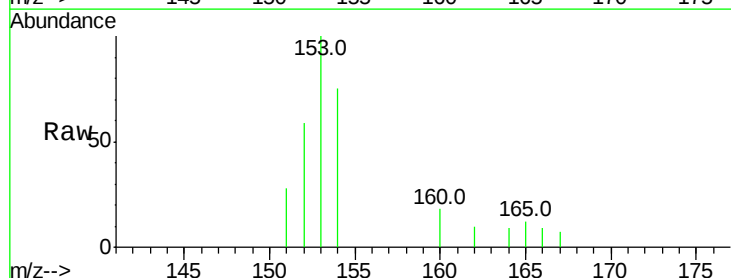
Tgt Ion:153 Resp: 2288

Ion Ratio Lower Upper

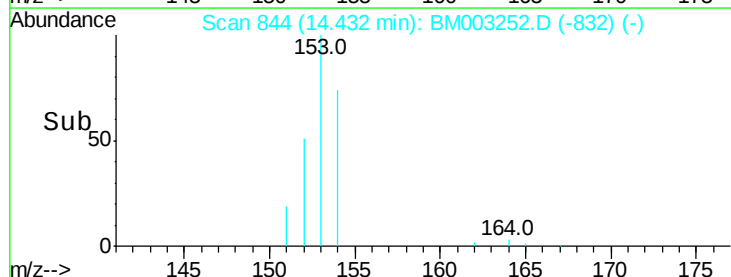
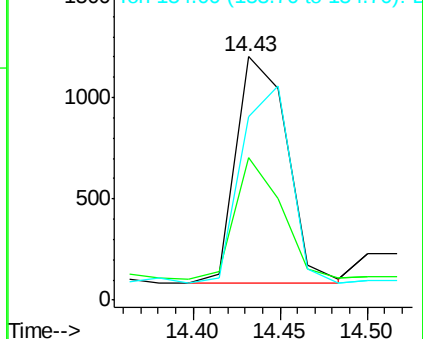
153 100

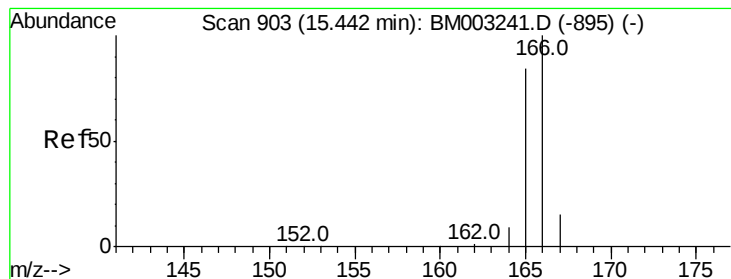
152 58.7 33.9 50.9#

154 75.1 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: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

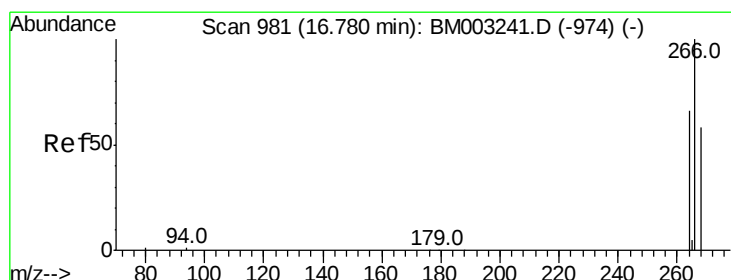
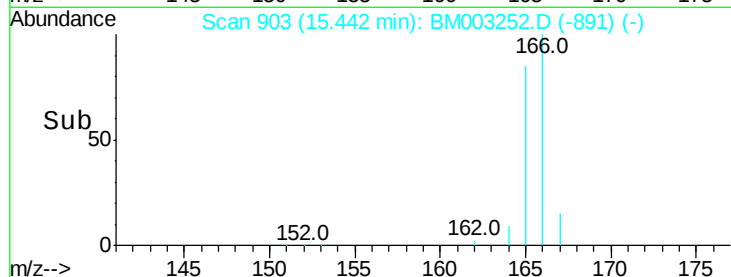
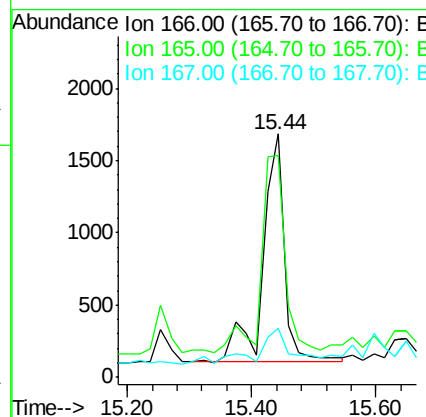
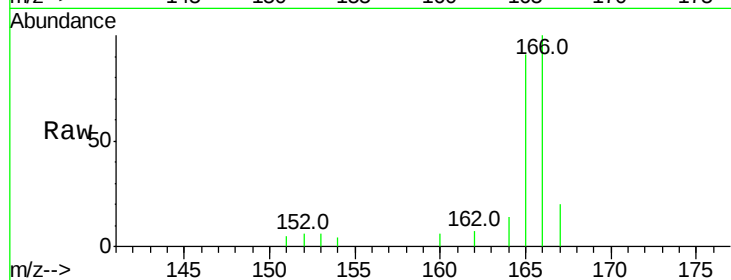
Tot Ion:166 Resp: 3813

Ion Ratio Lower Upper

166 100

165 90.9 69.6 104.4

167 20.2 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

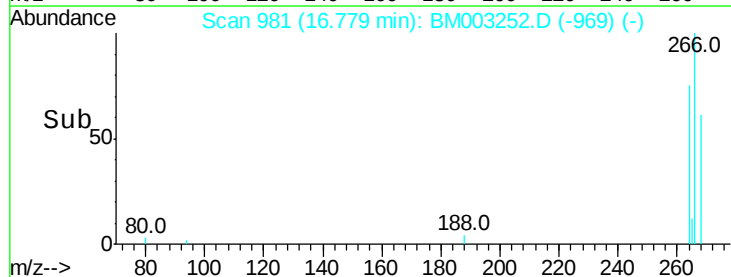
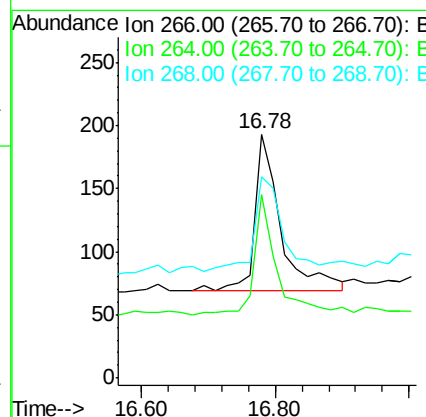
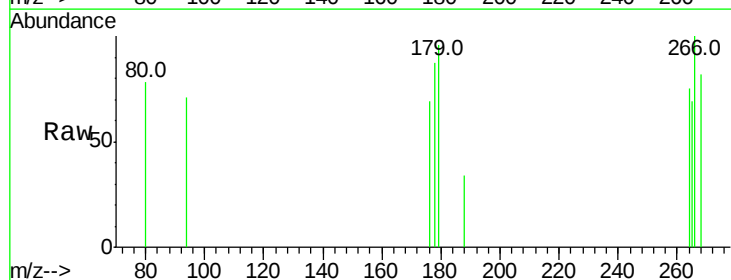
Tgt Ion:266 Resp: 333

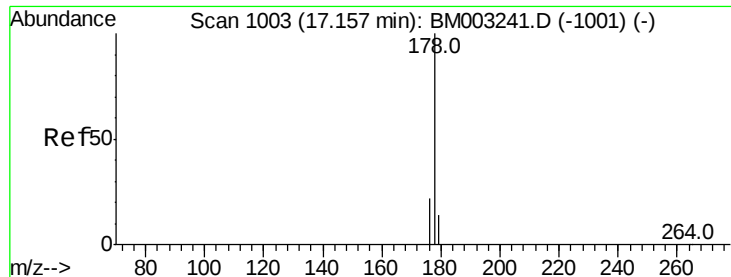
Ion Ratio Lower Upper

266 100

264 67.9 51.8 77.8

268 71.8 46.8 70.2#





#14

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

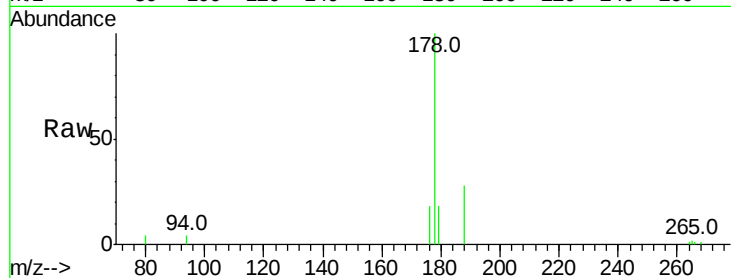
Tot Ion:178 Resp: 12627

Ion Ratio Lower Upper

178 100

176 18.2 13.0 19.4

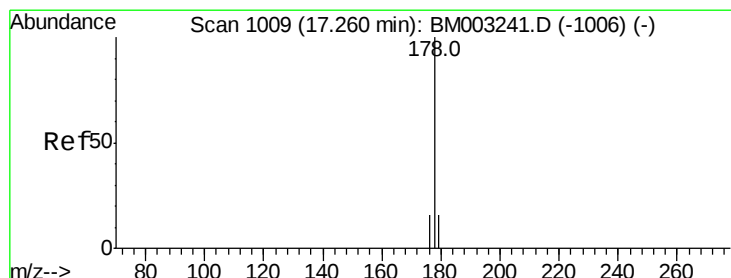
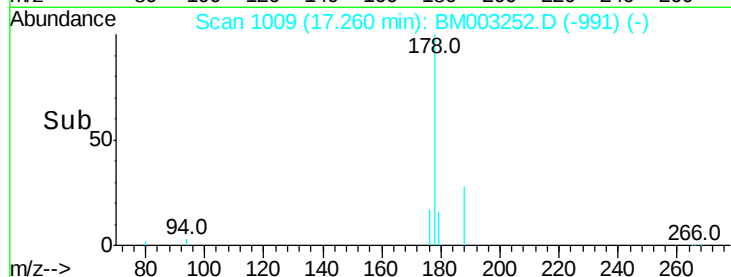
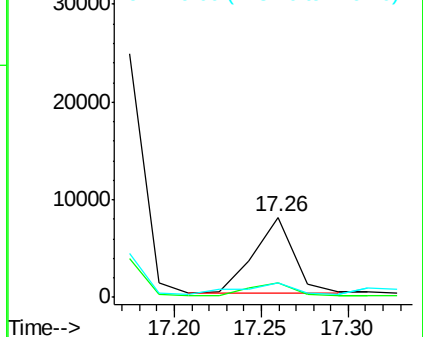
179 18.1 14.2 21.2



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: 0.22 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

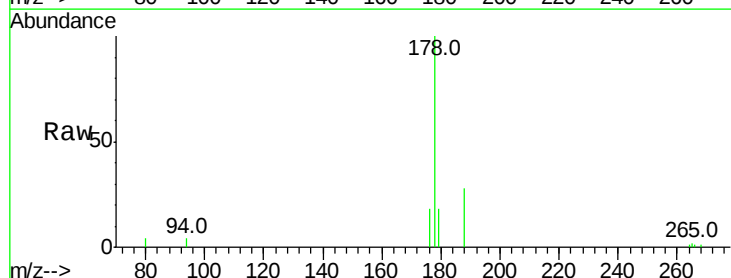
Tgt Ion:178 Resp: 14381

Ion Ratio Lower Upper

178 100

176 18.2 14.0 21.0

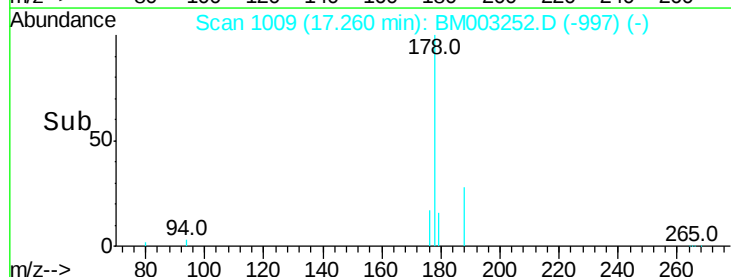
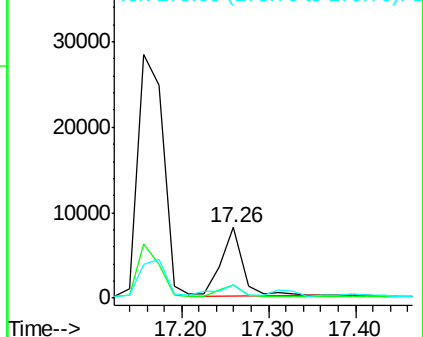
179 18.1 12.9 19.3

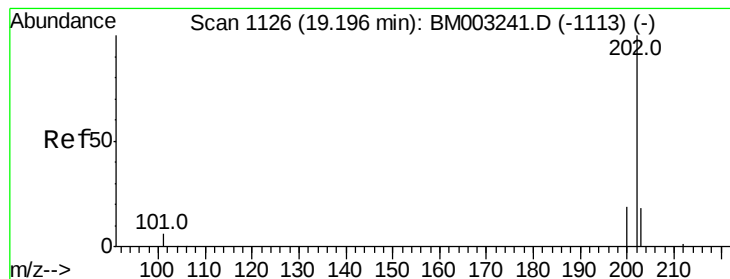


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 1.32 ng/ul

RT: 19.20 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

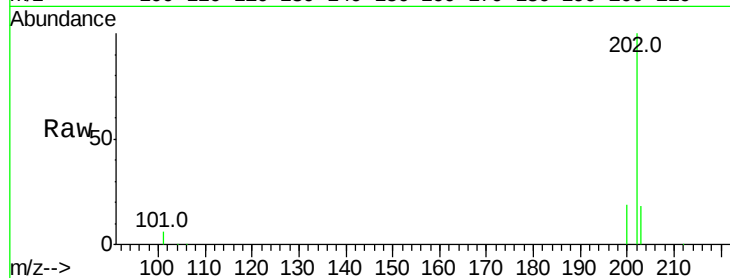
Tot Ion:202 Resp: 114060

Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.6

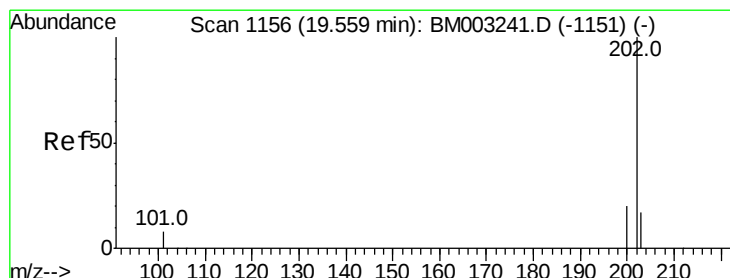
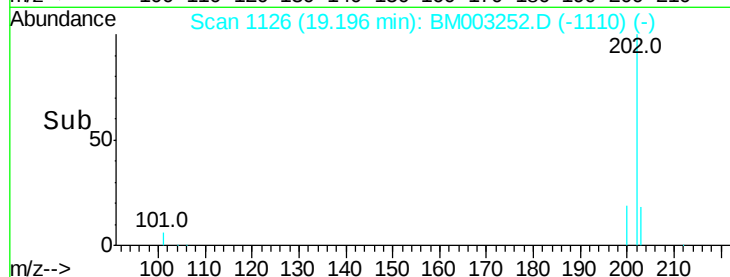
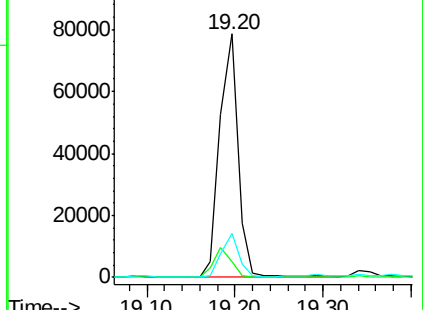
203 18.3 0.0 36.3



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: 1.21 ng/ul

RT: 19.56 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

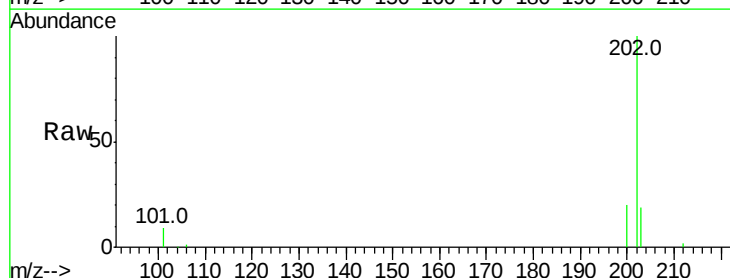
Tgt Ion:202 Resp: 112945

Ion Ratio Lower Upper

202 100

200 19.7 17.8 26.8

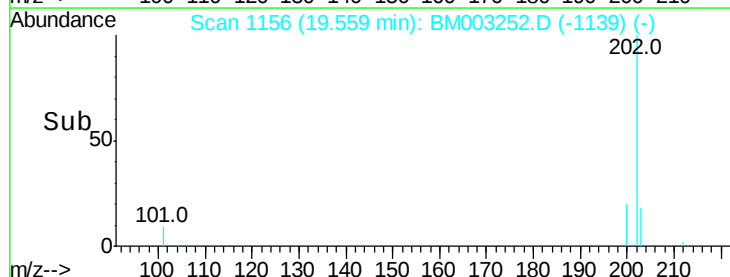
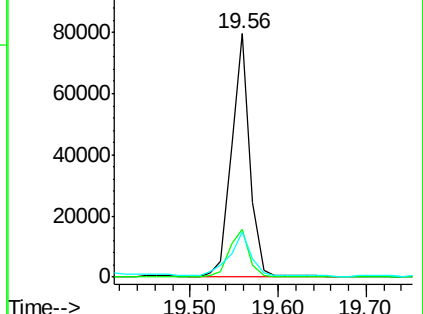
203 18.7 12.8 19.2

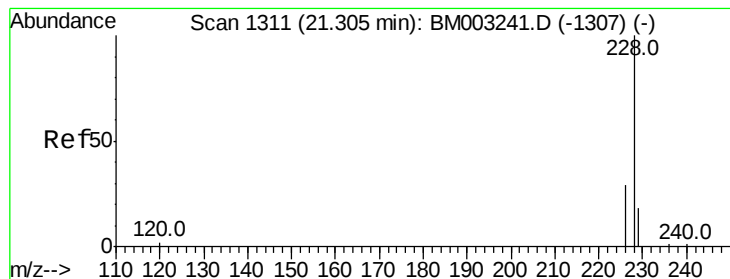


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.66 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampled :

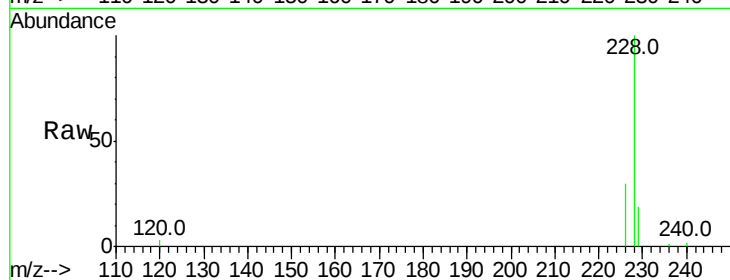
Tot Ion:228 Resp: 52307

Ion Ratio Lower Upper

228 100

226 29.7 18.8 28.2#

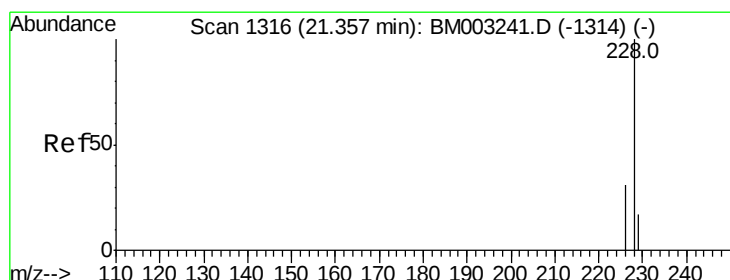
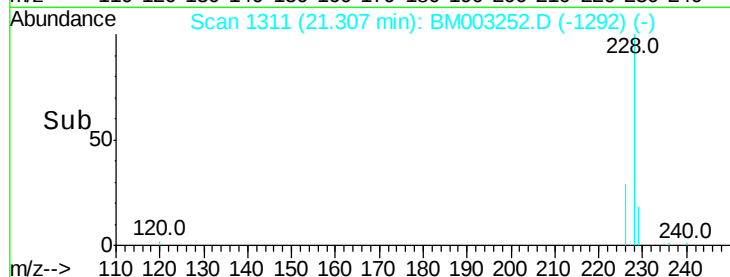
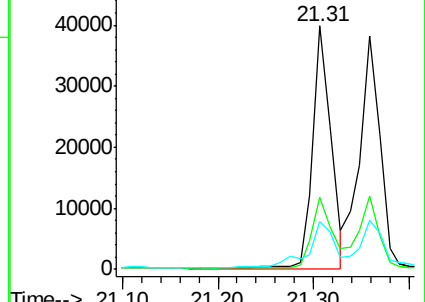
229 19.4 17.1 25.7



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: 0.63 ng/ul

RT: 21.36 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

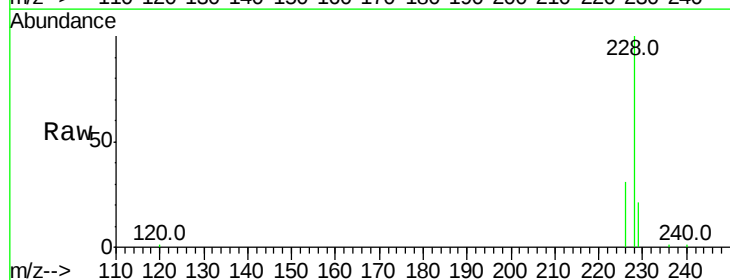
Tgt Ion:228 Resp: 56262

Ion Ratio Lower Upper

228 100

226 31.2 21.2 31.8

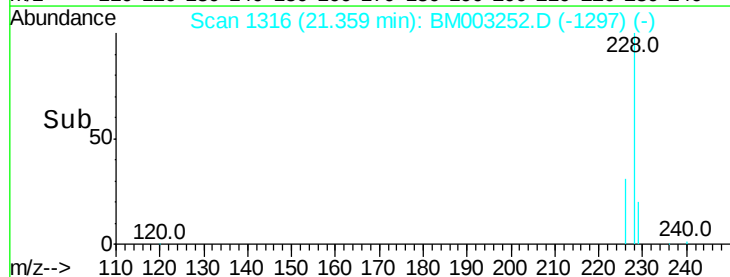
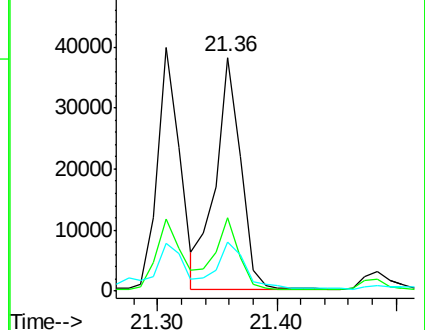
229 21.0 17.0 25.6

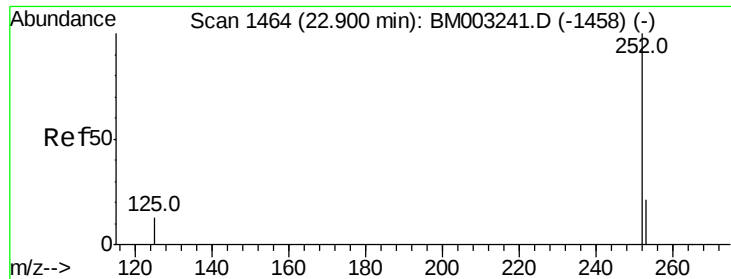


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

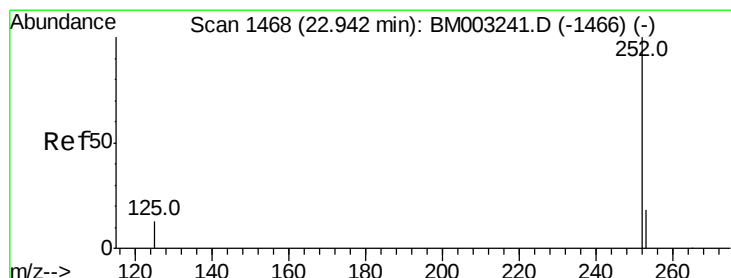
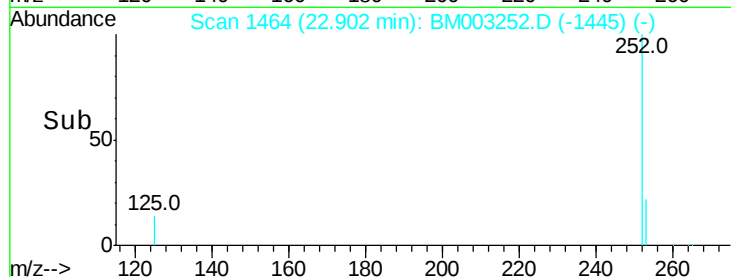
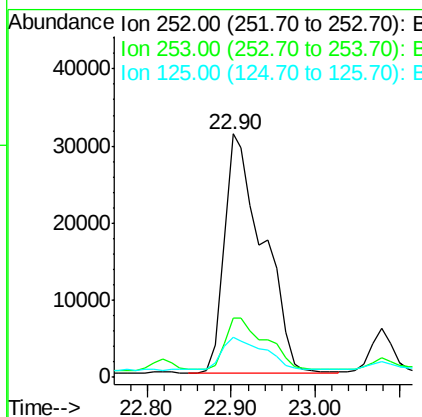
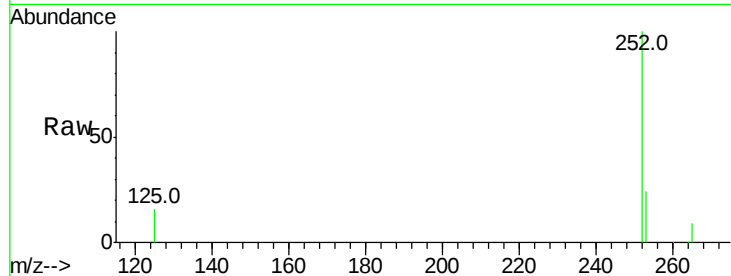




#23
Benzo(b)fluoranthene
Concen: 0.96 ng/u1
RT: 22.90 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BM003252.D
Acq: 21 Nov 2015 16:55

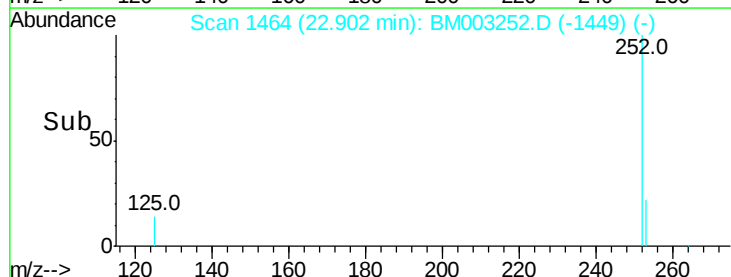
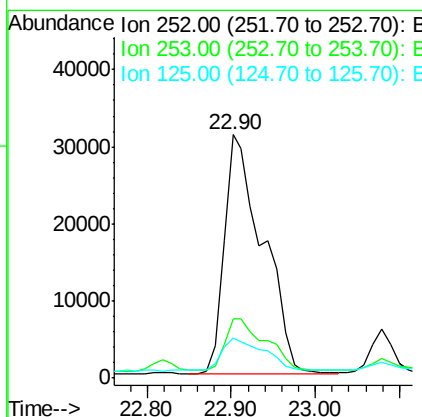
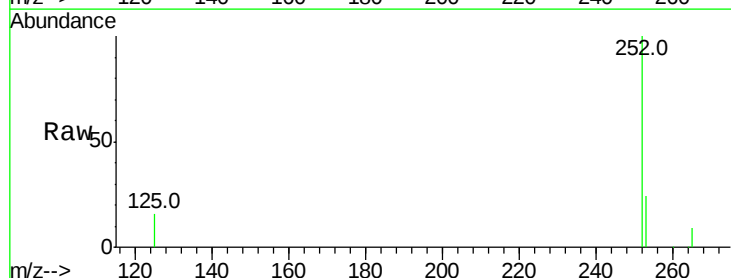
Instrument :
BNA_M
ClientSampleId :

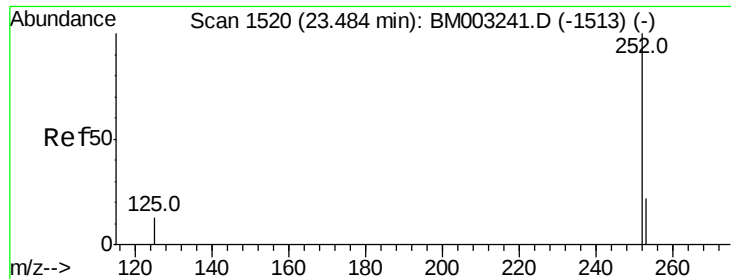
Tot Ion:252 Resp: 98949
Ion Ratio Lower Upper
252 100
253 24.3 0.0 45.4
125 16.3 0.0 28.8



#24
Benzo(k)fluoranthene
Concen: 1.02 ng/u1
RT: 22.90 min Scan# 1464
Delta R.T. -0.04 min
Lab File: BM003252.D
Acq: 21 Nov 2015 16:55

Tgt Ion:252 Resp: 98949
Ion Ratio Lower Upper
252 100
253 24.3 19.8 29.8
125 16.3 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.54 ng/ul

RT: 23.49 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

Instrument :

BNA_M

ClientSampleId :

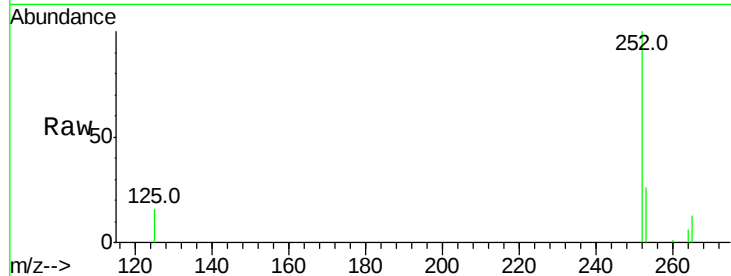
Tot Ion:252 Resp: 49656

Ion Ratio Lower Upper

252 100

253 25.6 19.4 29.2

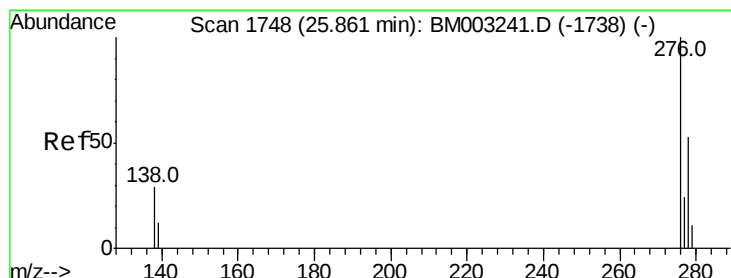
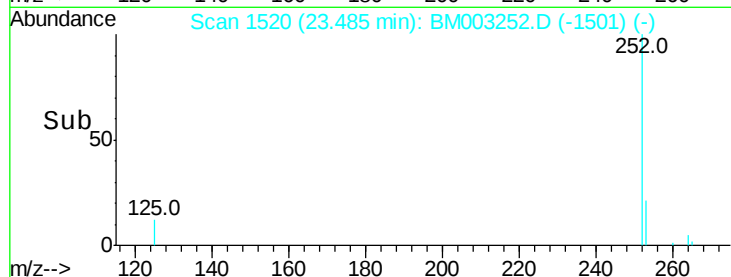
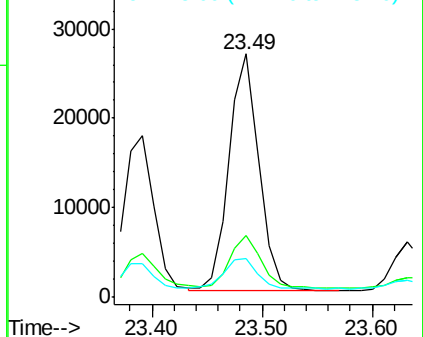
125 15.7 12.7 19.1



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: 0.31 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM003252.D

Acq: 21 Nov 2015 16:55

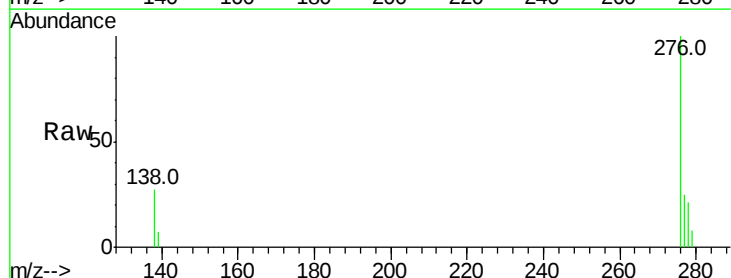
Tgt Ion:276 Resp: 33818

Ion Ratio Lower Upper

276 100

138 26.1 16.3 24.5#

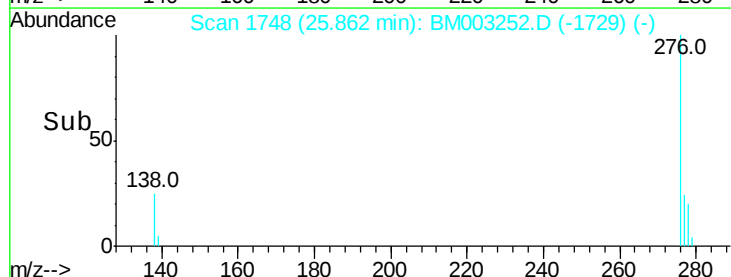
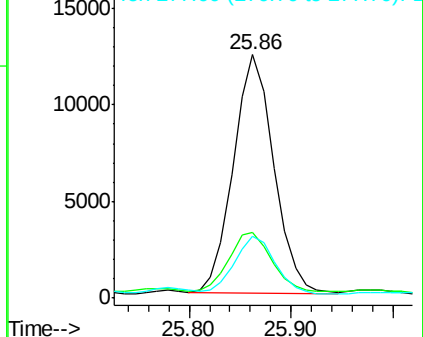
277 24.3 19.8 29.8

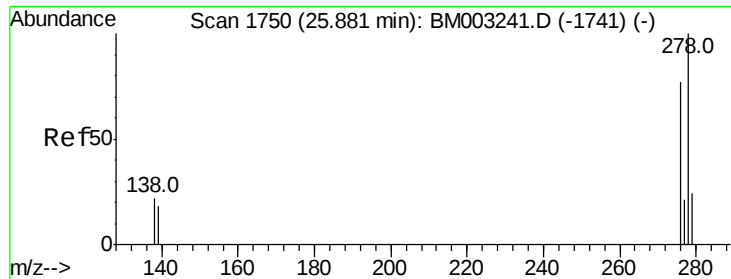


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

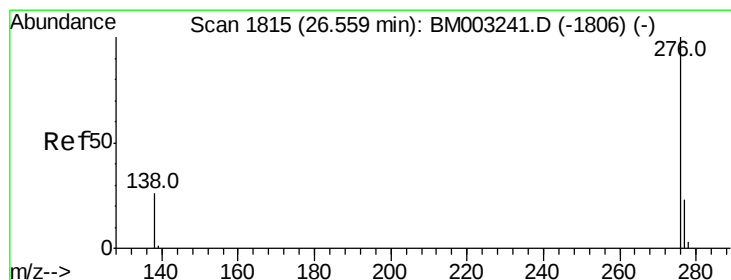
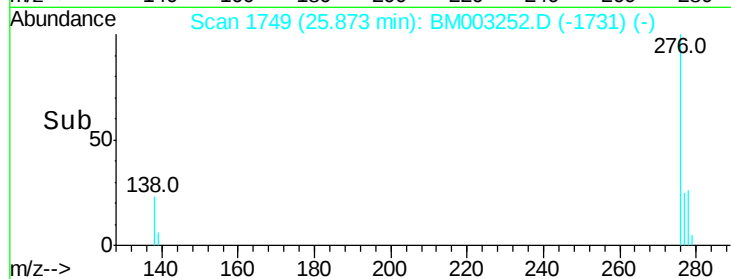
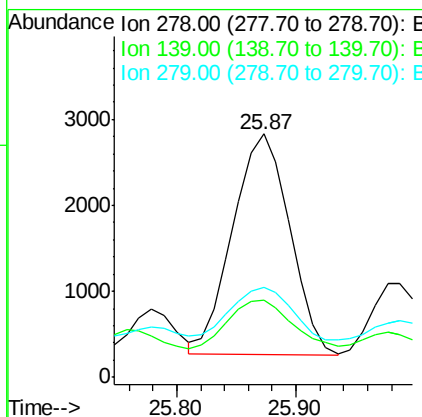
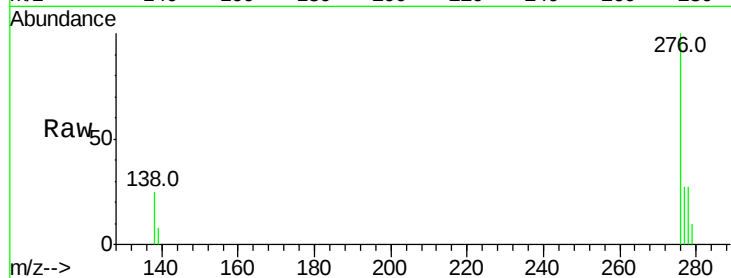




#27
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003252.D
Acq: 21 Nov 2015 16:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 8496
Ion Ratio Lower Upper
278 100
139 31.7 16.4 24.6#
279 37.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BM003252.D
Acq: 21 Nov 2015 16:55

Tgt Ion:276 Resp: 28376
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 28.9 22.5 33.7

