

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003247.D
 Acq On : 21 Nov 2015 13:55
 Operator : UM/IZ
 Sample : G4323-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:17:55 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	11418	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	45047	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25050	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3053195	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	46680	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	2990338	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	58098	4.76	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	15924	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	32107	0.00	ng/ul	0.00

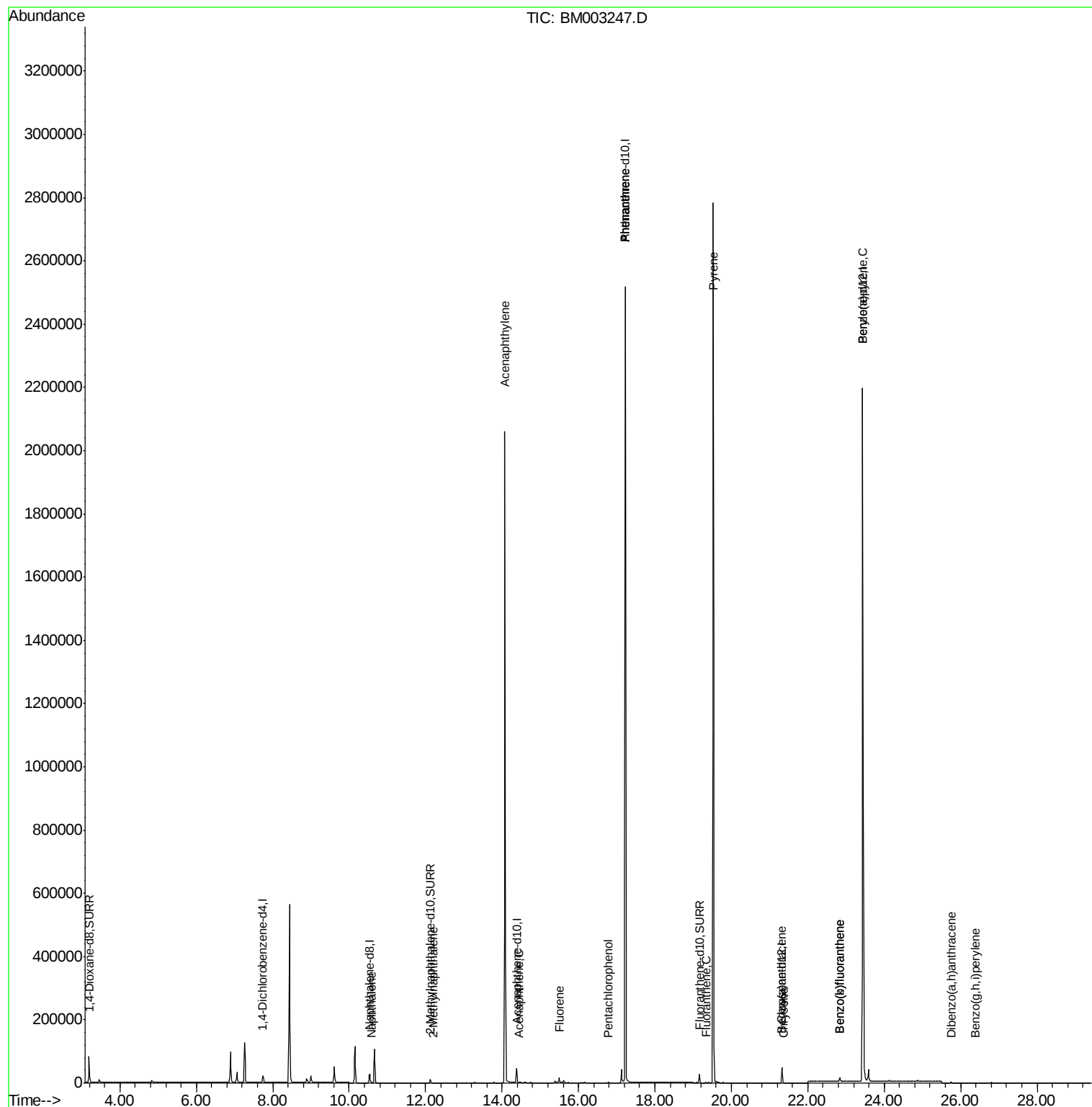
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.57	128	1881	0.02	ng/ul#	77
7) 2-Methylnaphthalene	12.19	142	245	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	475	0.00	ng/ul#	1
10) Acenaphthene	14.43	153	264	0.00	ng/ul#	80
11) Fluorene	15.49	166	284	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	530	0.00	ng/ul	98
14) Phenanthrene	17.23	178	1467	0.00	ng/ul#	1
15) Anthracene	17.23	178	1285	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	100	0.00	ng/ul#	1
19) Pyrene	19.53	202	5722	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	477	0.00	ng/ul#	22
21) Chrysene	21.35	228	304	0.00	ng/ul#	35
23) Benzo(b)fluoranthene	22.84	252	106	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	106	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	11471	0.00	ng/ul#	63
27) Dibenzo(a,h)anthracene	25.76	278	29	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.39	276	23	0.00	ng/ul#	1

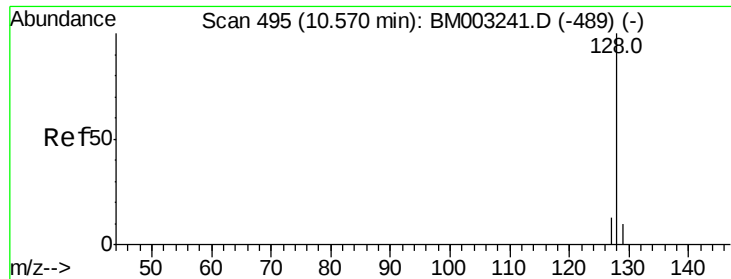
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

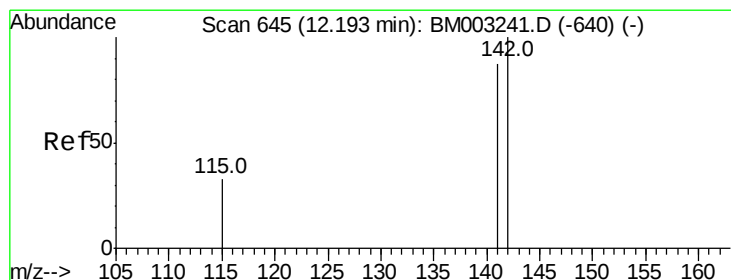
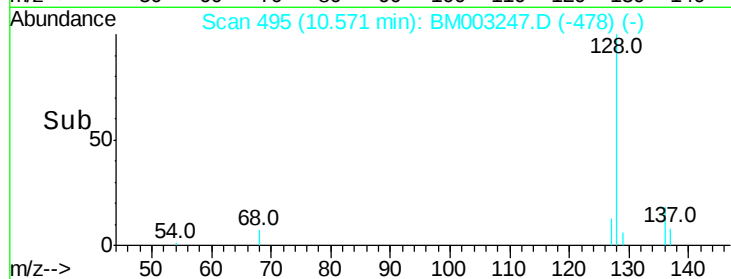
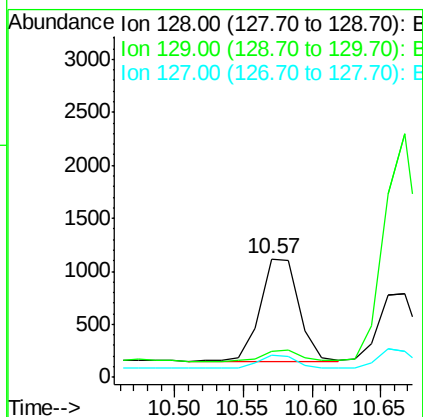
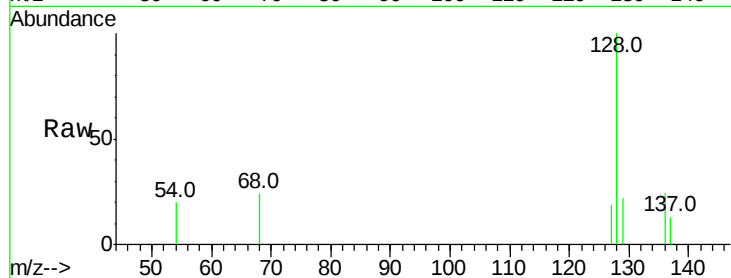
Tot Ion:128 Resp: 1881

Ion Ratio Lower Upper

128 100

129 22.1 9.0 13.6#

127 19.0 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003247.D

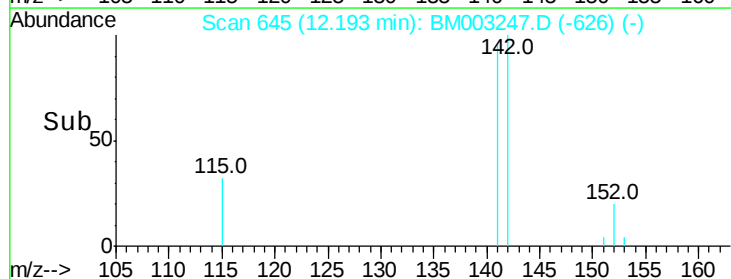
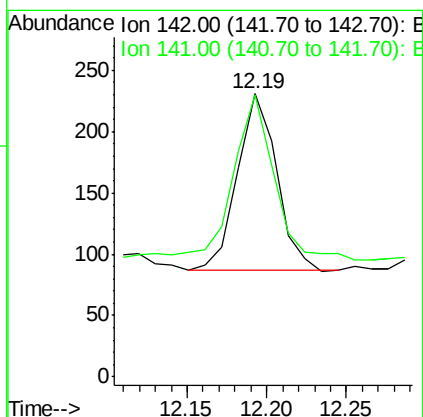
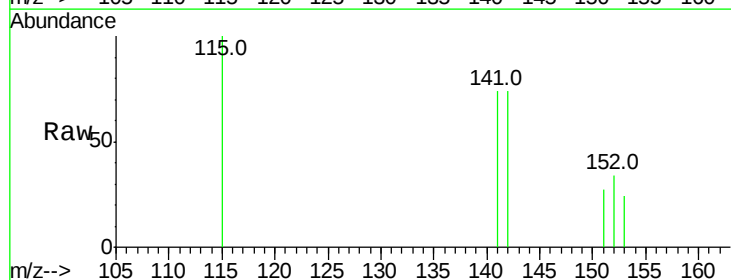
Acq: 21 Nov 2015 13:55

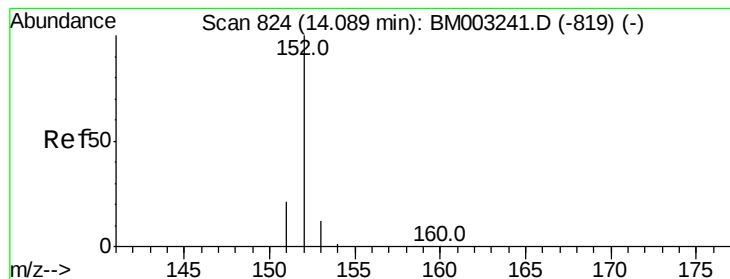
Tgt Ion:142 Resp: 245

Ion Ratio Lower Upper

142 100

141 102.4 0.0 0.0#





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

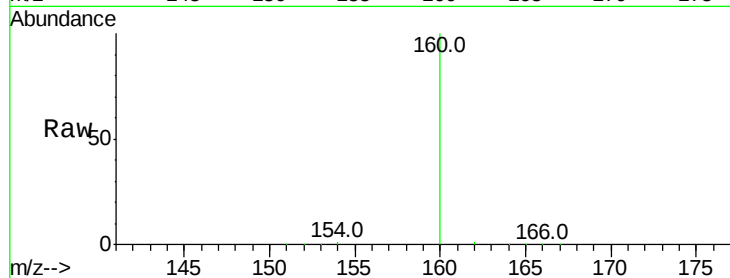
Tot Ion:152 Resp: 475

Ion Ratio Lower Upper

152 100

151 61.0 17.6 26.4#

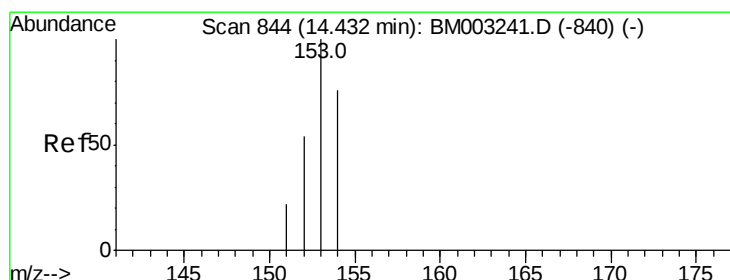
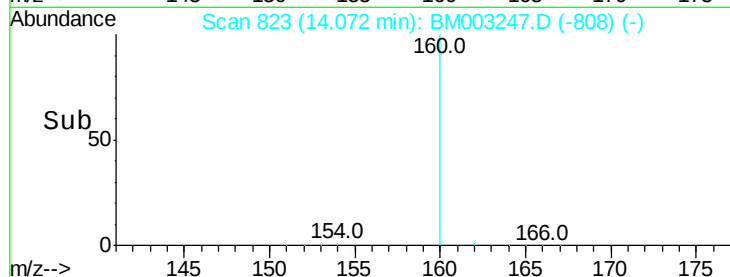
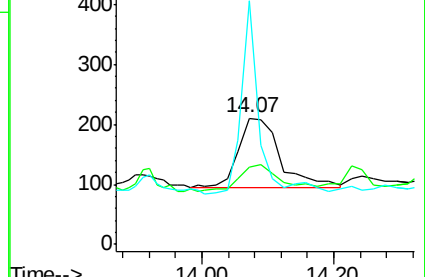
153 193.3 9.7 14.5#



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: 0.00 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

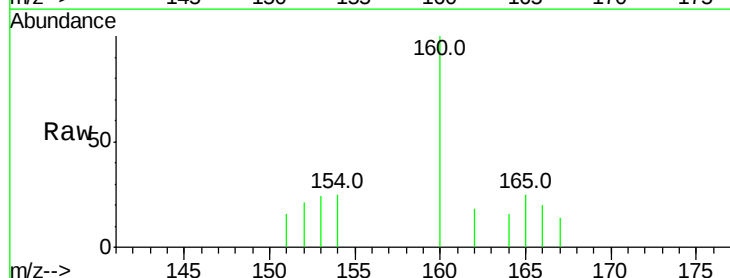
Tgt Ion:153 Resp: 264

Ion Ratio Lower Upper

153 100

152 85.1 33.9 50.9#

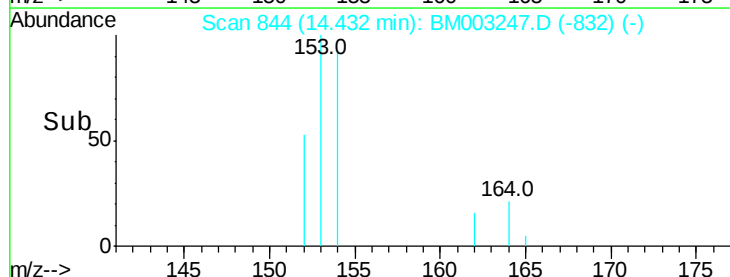
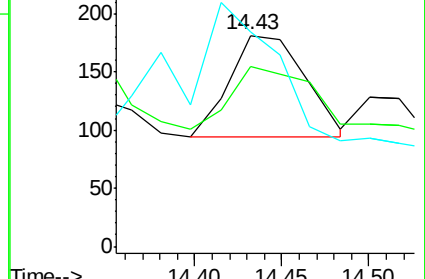
154 101.7 80.6 121.0

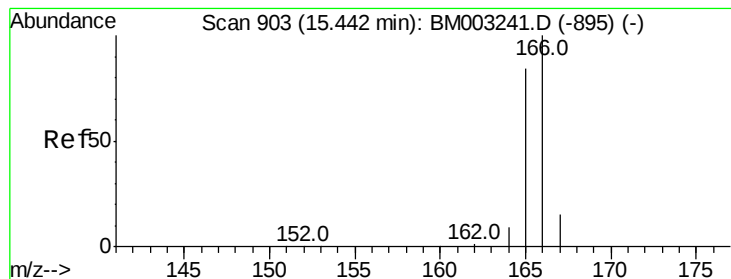


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampled :

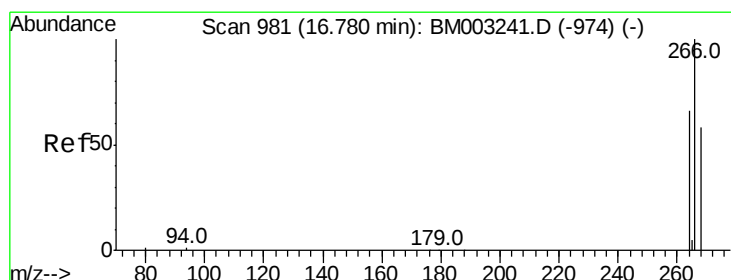
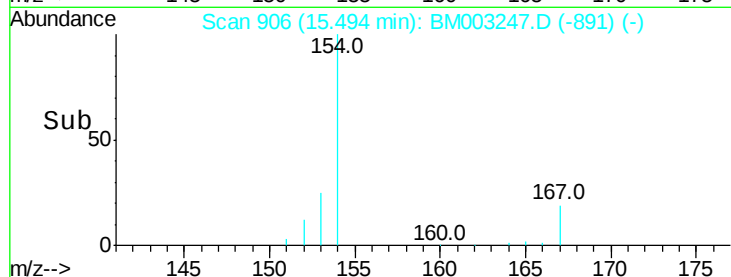
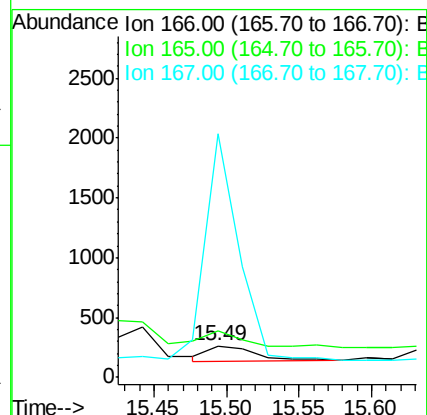
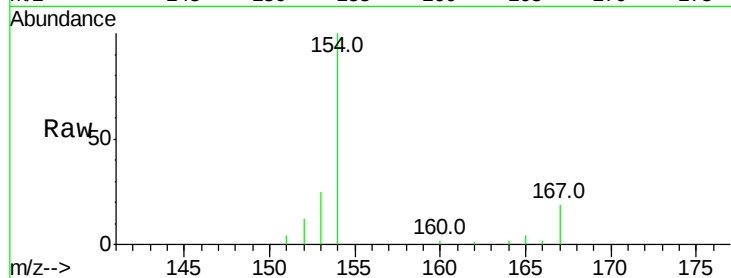
Tot Ion:166 Resp: 284

Ion Ratio Lower Upper

166 100

165 148.3 69.6 104.4#

167 779.7 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

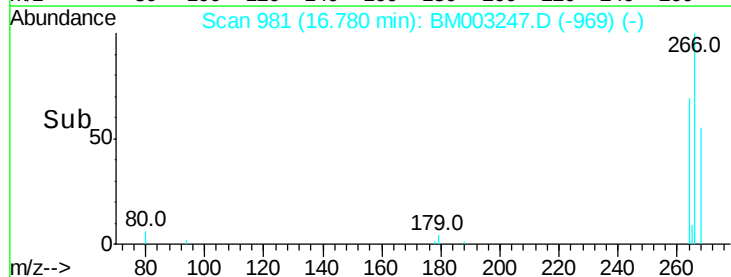
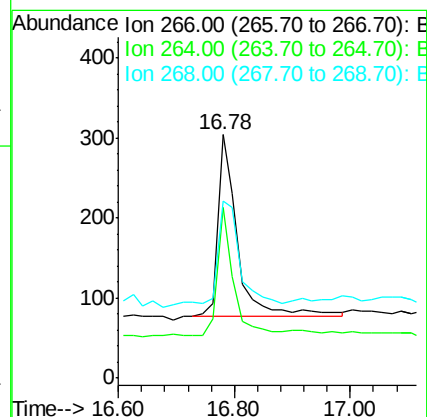
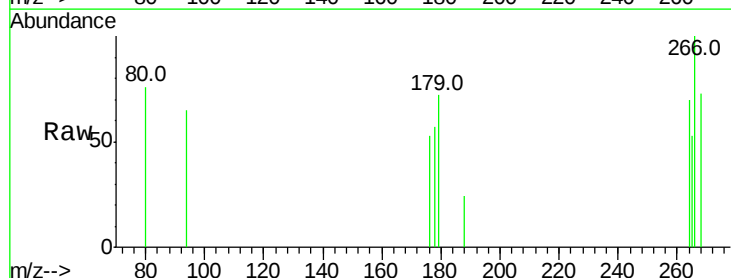
Tgt Ion:266 Resp: 530

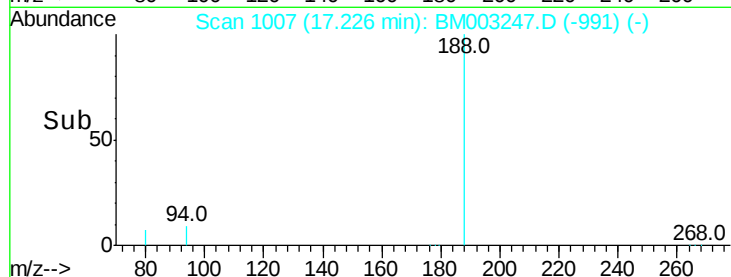
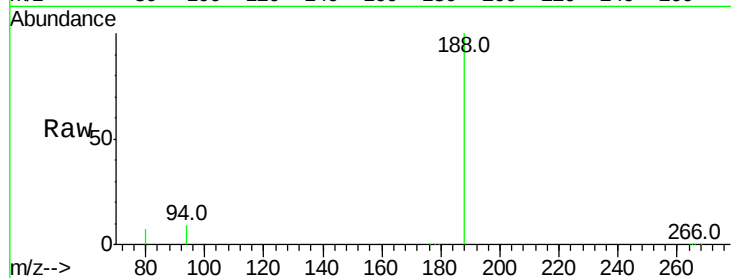
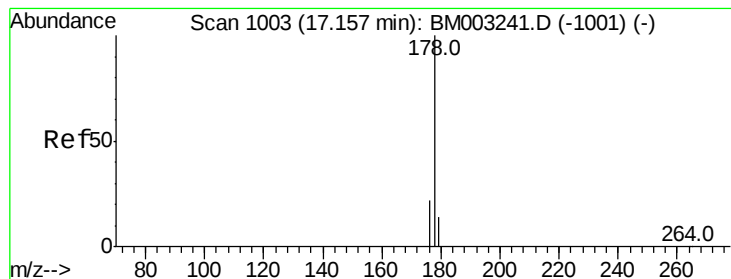
Ion Ratio Lower Upper

266 100

264 63.8 51.8 77.8

268 61.3 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

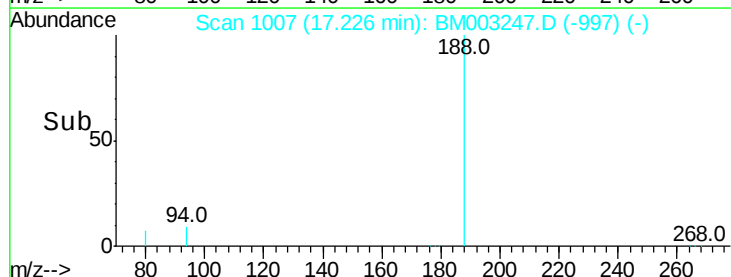
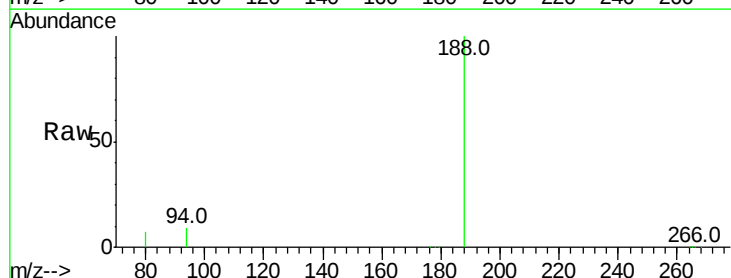
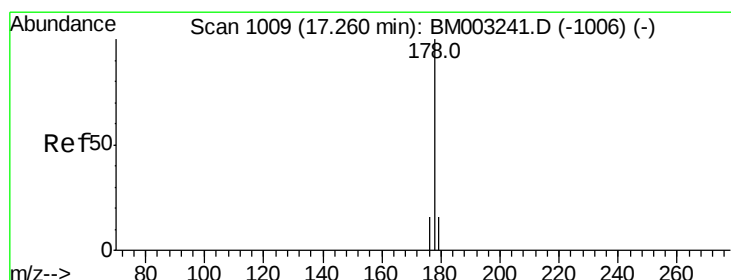
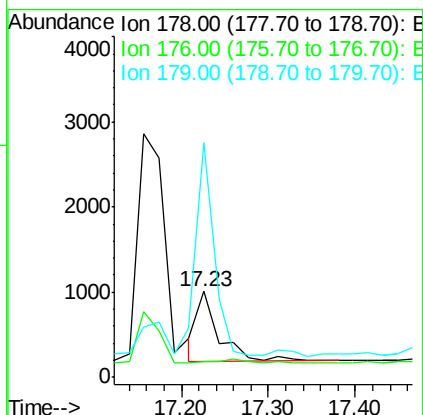
Tot Ion:178 Resp: 1467

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

179 273.3 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

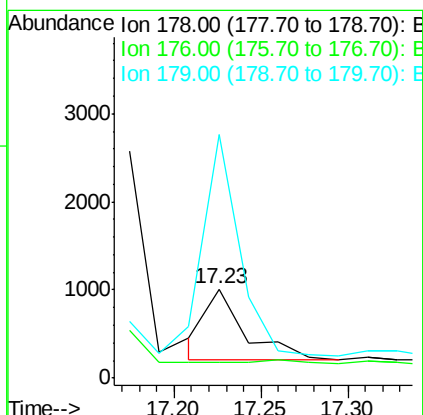
Tgt Ion:178 Resp: 1285

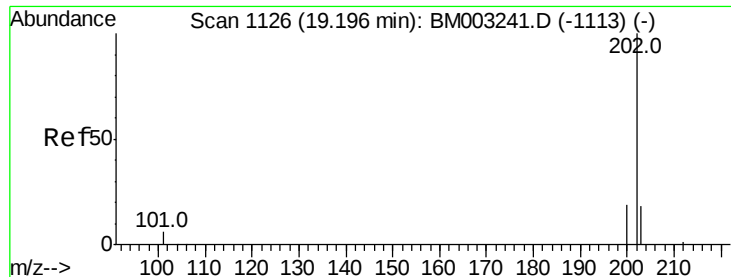
Ion Ratio Lower Upper

178 100

176 17.9 14.0 21.0

179 273.3 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

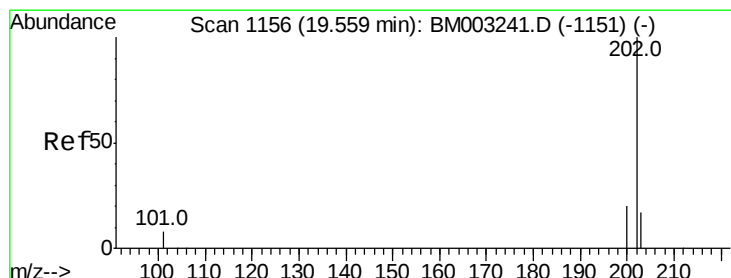
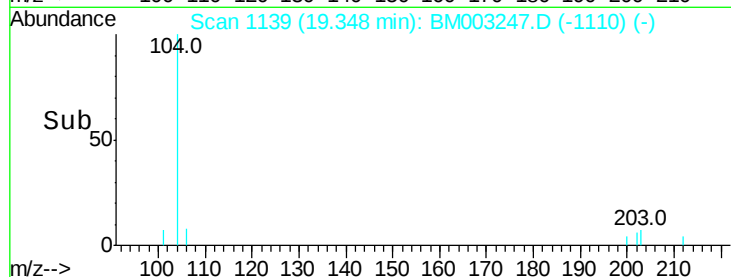
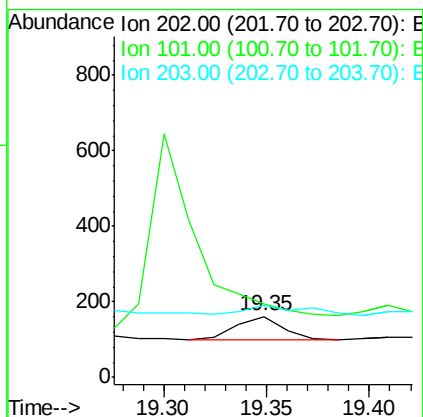
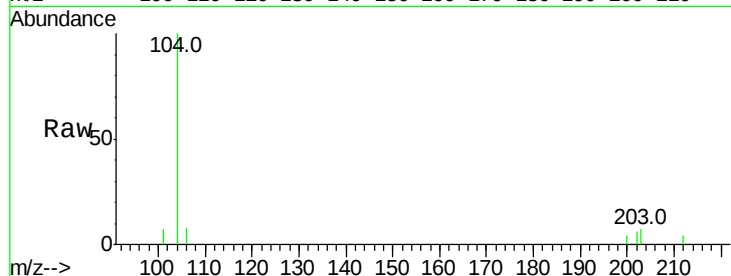
Tot Ion:202 Resp: 100

Ion Ratio Lower Upper

202 100

101 119.8 0.0 29.6#

203 117.9 0.0 36.3#



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

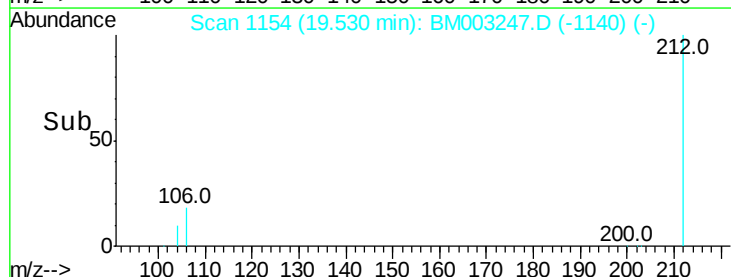
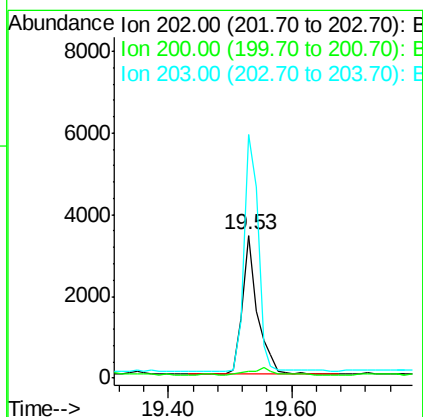
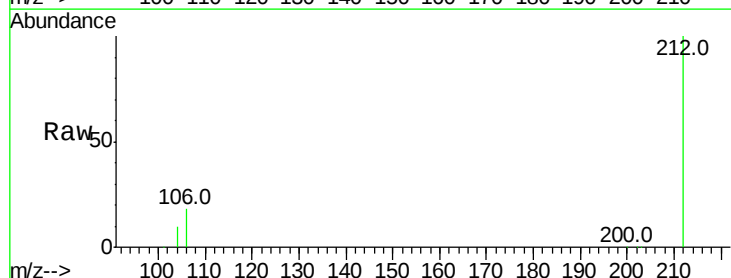
Tgt Ion:202 Resp: 5722

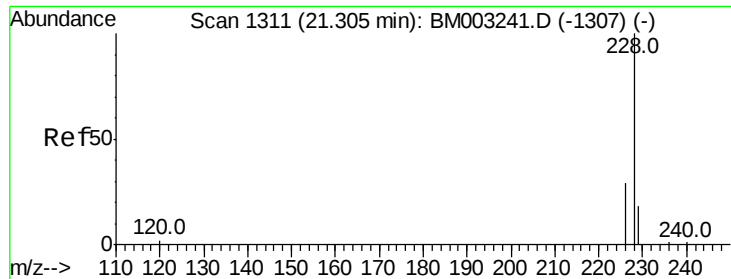
Ion Ratio Lower Upper

202 100

200 4.9 17.8 26.8#

203 170.5 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

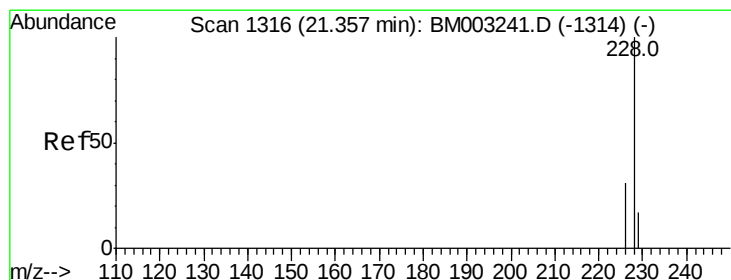
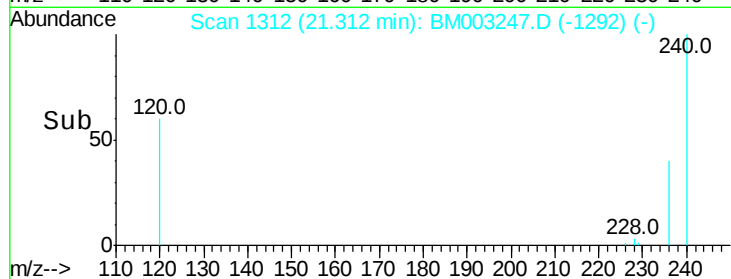
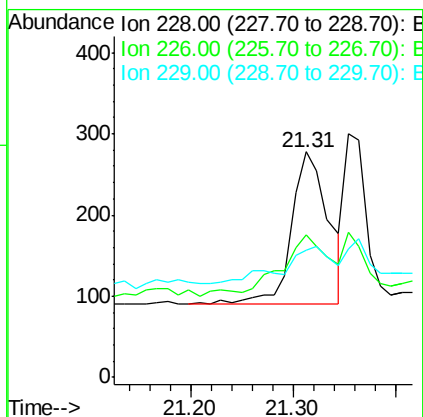
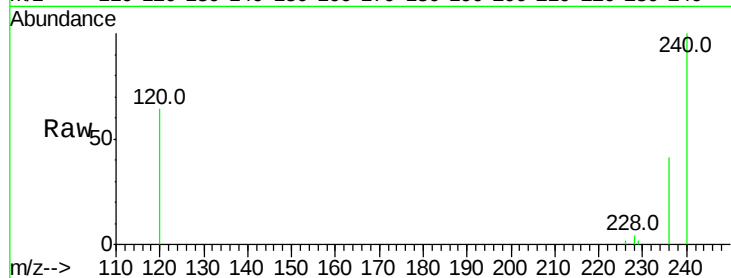
Tot Ion:228 Resp: 477

Ion Ratio Lower Upper

228 100

226 62.9 18.8 28.2#

229 56.5 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

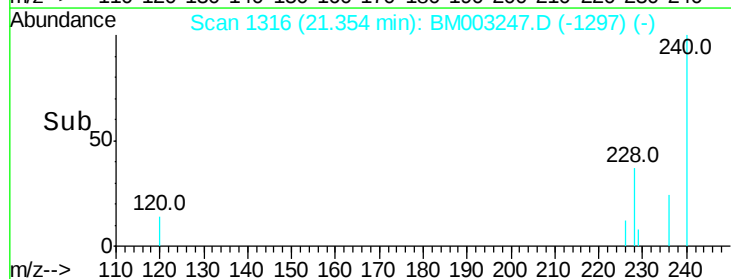
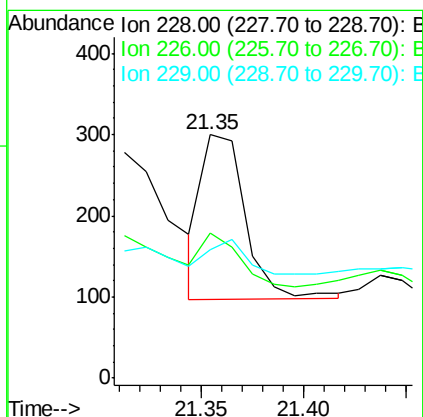
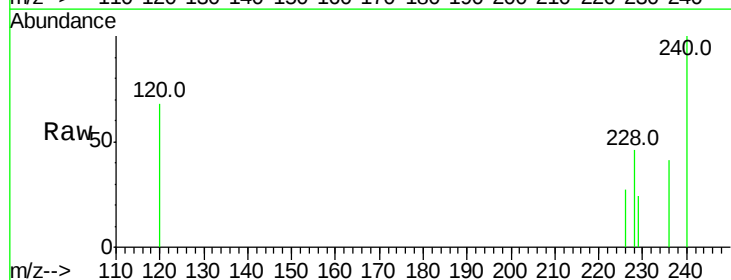
Tgt Ion:228 Resp: 304

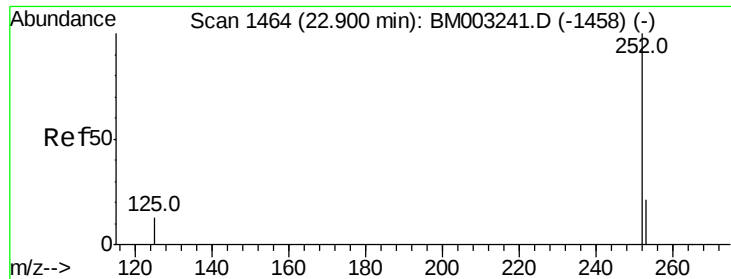
Ion Ratio Lower Upper

228 100

226 59.3 21.2 31.8#

229 53.0 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.84 min Scan# 1459

Delta R.T. -0.06 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

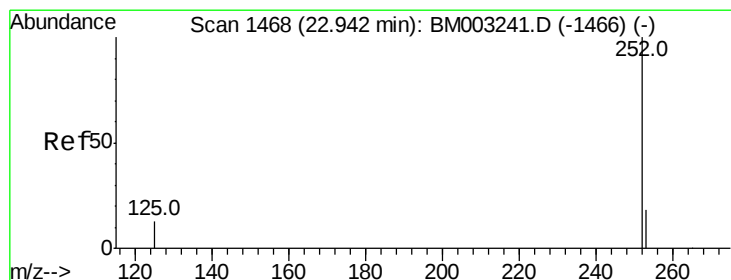
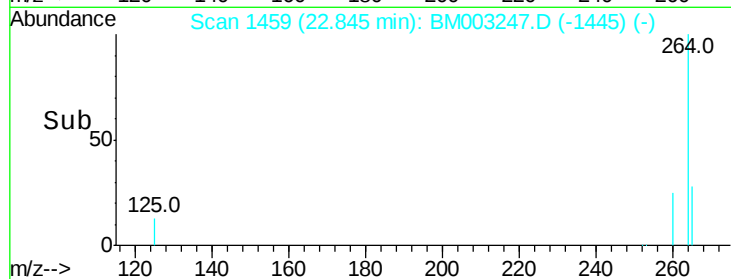
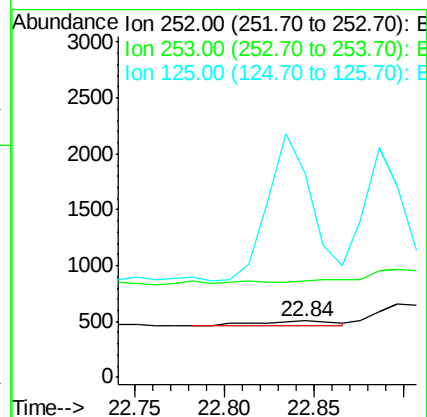
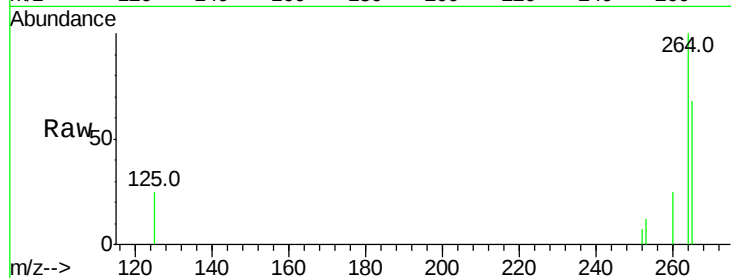
Tot Ion:252 Resp: 106

Ion Ratio Lower Upper

252 100

253 171.9 0.0 45.4#

125 360.6 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.84 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

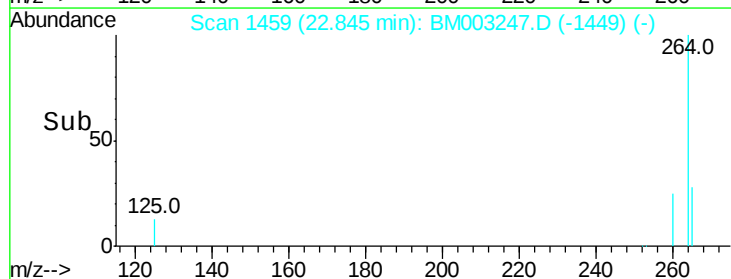
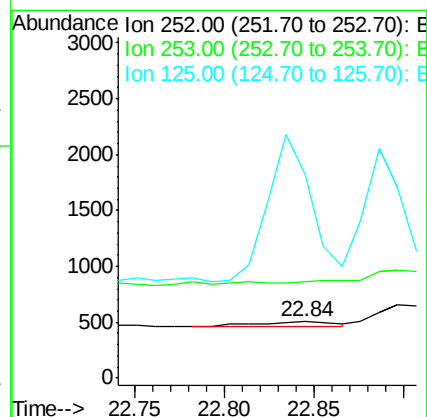
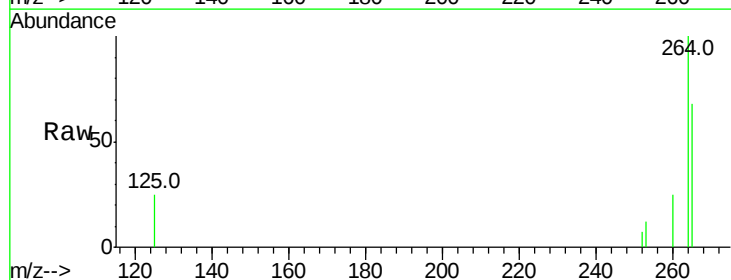
Tgt Ion:252 Resp: 106

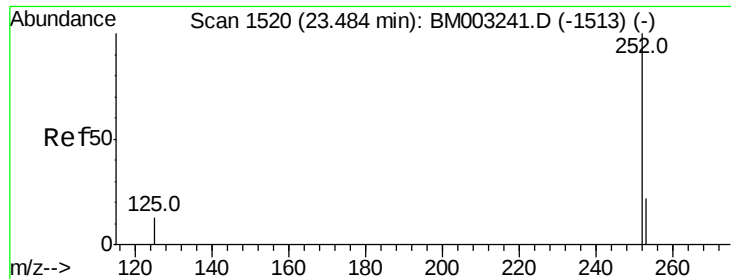
Ion Ratio Lower Upper

252 100

253 171.9 19.8 29.8#

125 360.6 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.05 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :

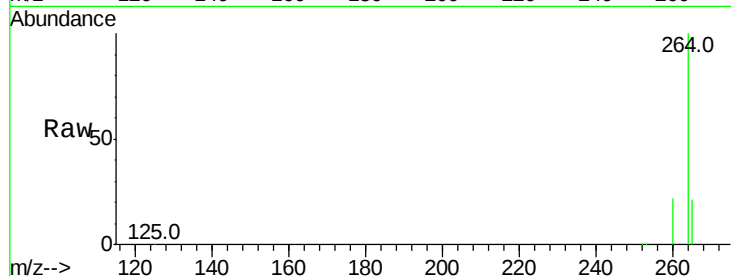
Tot Ion:252 Resp: 11471

Ion Ratio Lower Upper

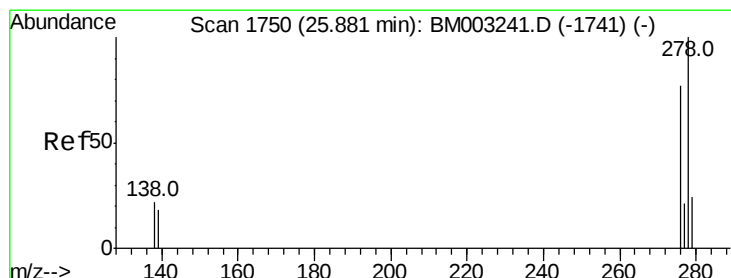
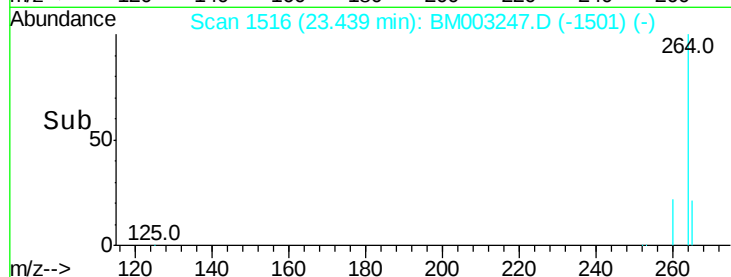
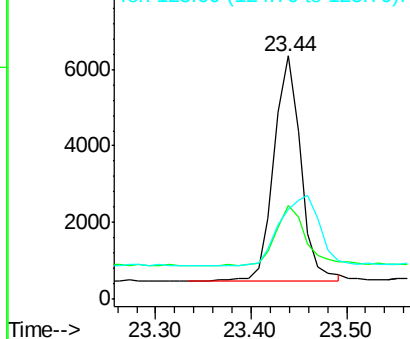
252 100

253 38.5 19.4 29.2#

125 36.9 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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.76 min Scan# 1739

Delta R.T. -0.12 min

Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

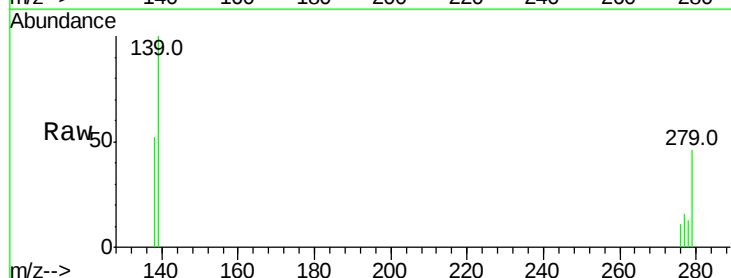
Tgt Ion:278 Resp: 29

Ion Ratio Lower Upper

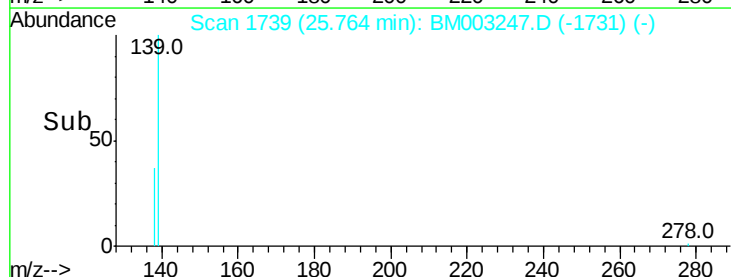
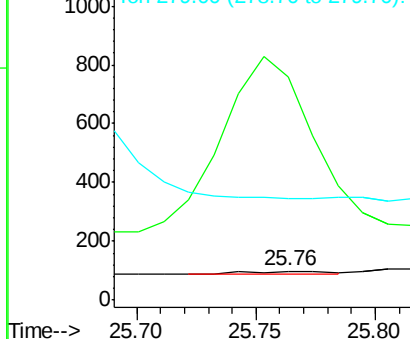
278 100

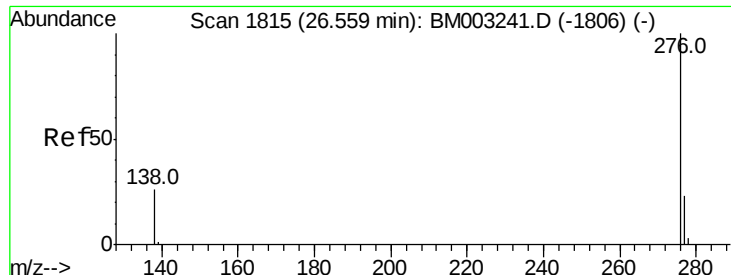
139 772.4 16.4 24.6#

279 354.1 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.39 min Scan# 1799

Delta R.T. -0.17 min

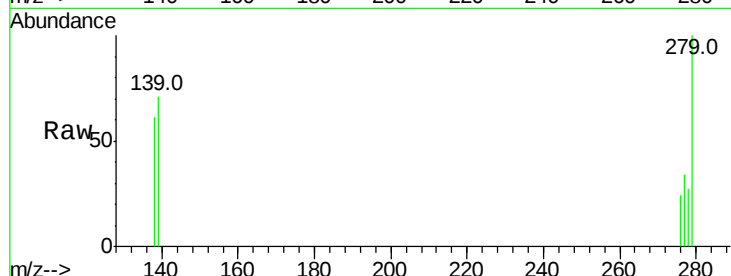
Lab File: BM003247.D

Acq: 21 Nov 2015 13:55

Instrument :

BNA_M

ClientSampleId :



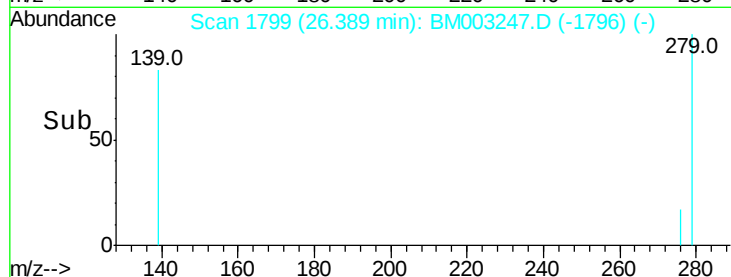
Tot Ion: 276 Resp: 23

Ion Ratio Lower Upper

276 100

277 137.6 18.9 28.3#

138 248.2 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

300

250

200

150

100

50

0

26.35 26.40 26.45 26.50

Time-->