

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002988.D
 Acq On : 22 Oct 2015 21:50
 Operator : UM/IZ
 Sample : G4074-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H4

Quant Time: Oct 23 02:01:48 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:55:29 2015
 Response via : Initial Calibration

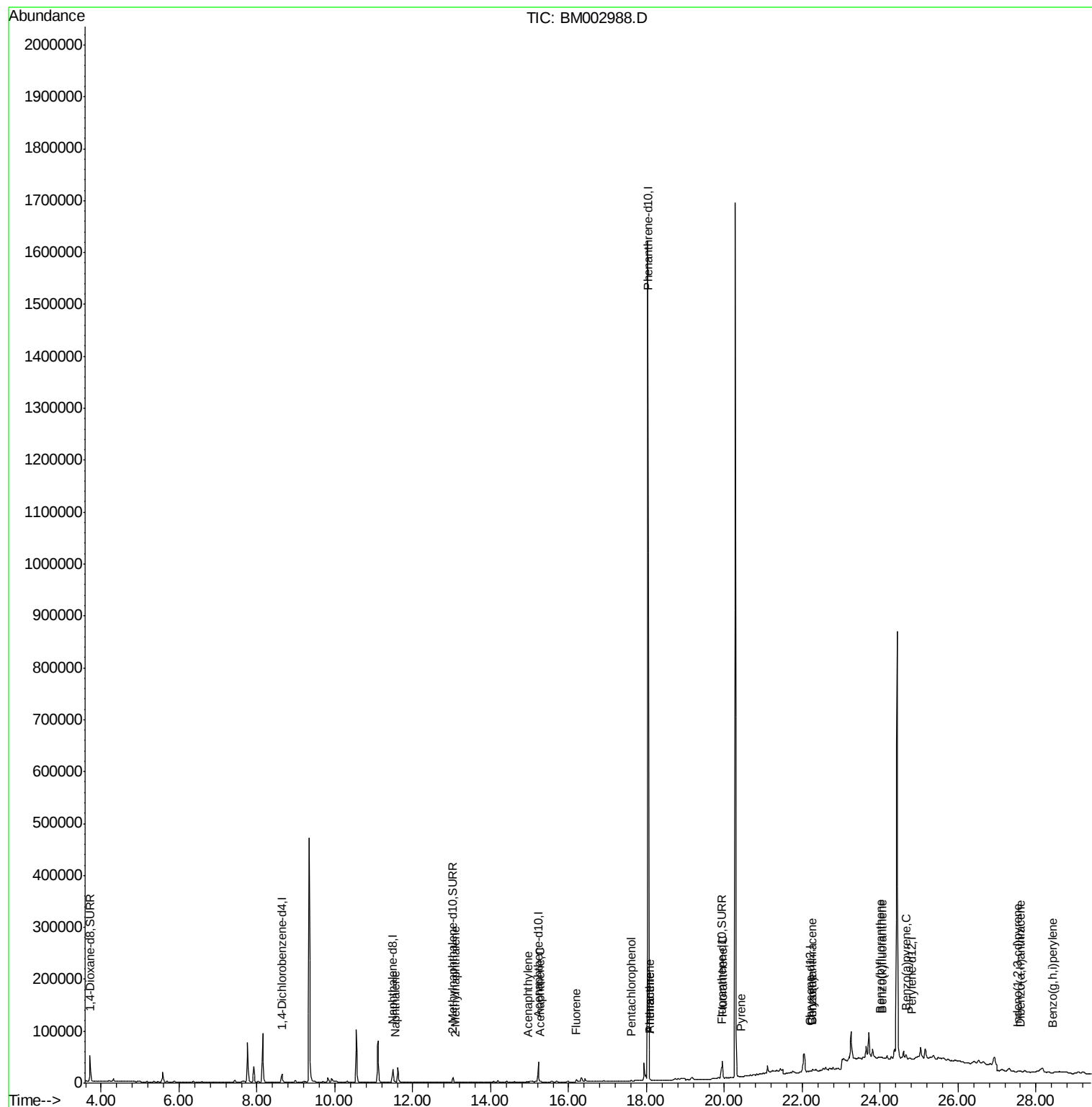
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	10084	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	42395	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	22235	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	2158863	0.40	ng/ul	0.09
18) Chrysene-d12	22.20	240	871	0.40	ng/ul	0.17
22) Perylene-d12	24.81	264	403	0.40	ng/ul	0.22
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	37827	3.51	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.03	152	16305	0.23	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	23097	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	2713	0.02	ng/ul#	80
7) 2-Methylnaphthalene	13.10	142	1475	0.02	ng/ul	90
9) Acenaphthylene	14.96	152	2149	0.02	ng/ul#	63
10) Acenaphthene	15.28	153	505	0.01	ng/ul#	1
11) Fluorene	16.20	166	4758	0.05	ng/ul#	15
13) Pentachlorophenol	17.61	266	828	0.01	ng/ul	92
14) Phenanthrene	18.08	178	2288	0.00	ng/ul#	27
15) Anthracene	18.08	178	2025	0.00	ng/ul#	27
17) Fluoranthene	19.95	202	33308	0.00	ng/ul	87
19) Pyrene	20.43	202	1553	0.49	ng/ul#	1
20) Benzo(a)anthracene	22.26	228	2452	0.85	ng/ul#	1
21) Chrysene	22.26	228	2452	0.84	ng/ul#	1
23) Benzo(b)fluoranthene	24.00	252	2170	1.52	ng/ul#	1
24) Benzo(k)fluoranthene	24.05	252	1492	1.08	ng/ul#	1
25) Benzo(a)pyrene	24.66	252	11378	8.37	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.53	276	94	0.06	ng/ul#	45
27) Dibenzo(a,h)anthracene	27.61	278	1468	1.22	ng/ul#	1
28) Benzo(a,h,i)perylene	28.42	276	216	0.18	ng/ul#	1

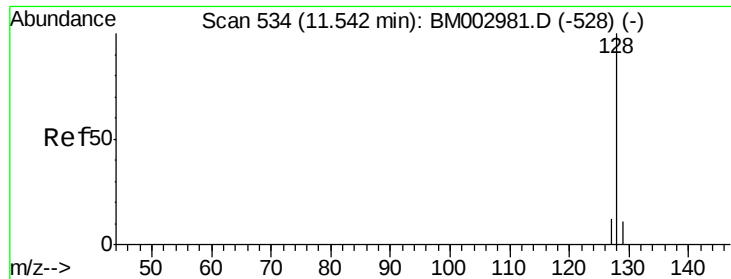
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JG9H4

Quant Time: Oct 23 02:01:48 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

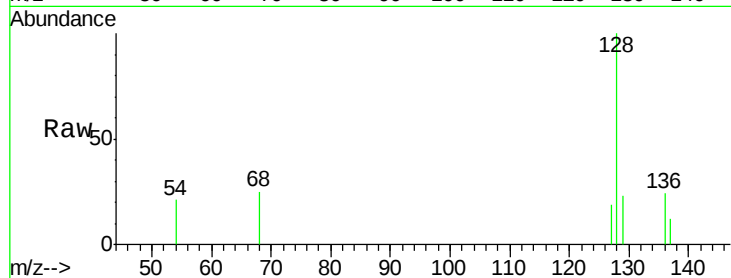
Tot Ion:128 Resp: 2713

Ion Ratio Lower Upper

128 100

129 22.8 9.8 14.8#

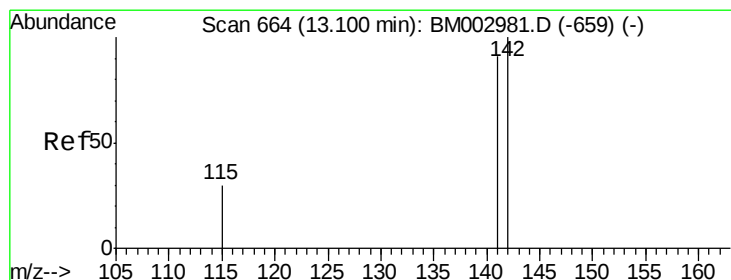
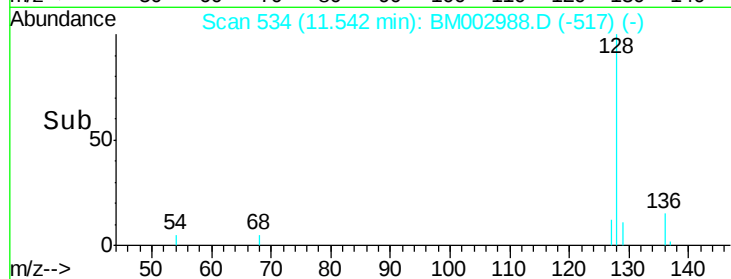
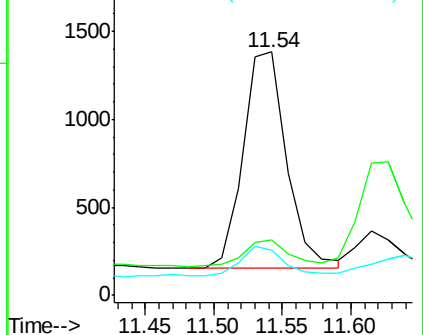
127 18.7 10.7 16.1#



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: 0.02 ng/ul

RT: 13.10 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM002988.D

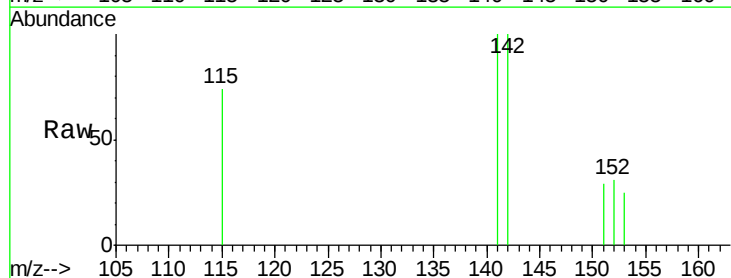
Acq: 22 Oct 2015 21:50

Tgt Ion:142 Resp: 1475

Ion Ratio Lower Upper

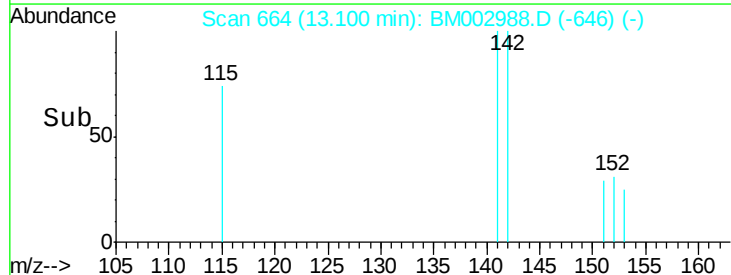
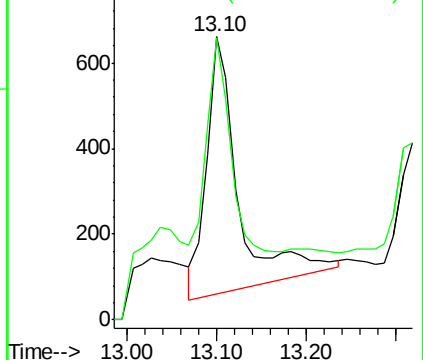
142 100

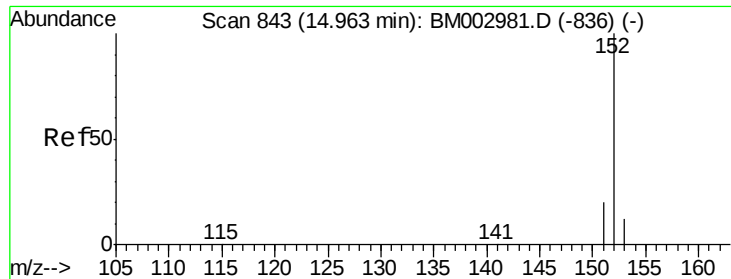
141 97.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

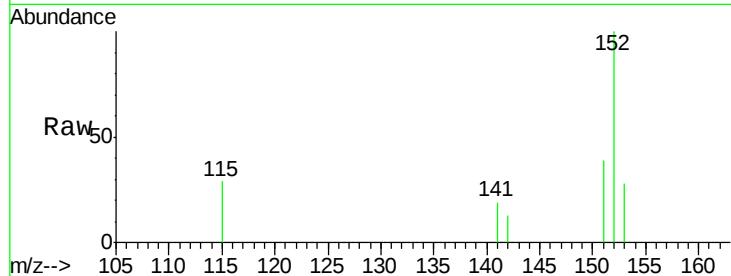
Tot Ion:152 Resp: 2149

Ion Ratio Lower Upper

152 100

151 39.1 16.8 25.2#

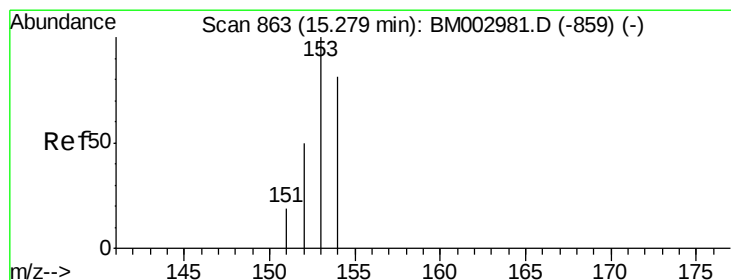
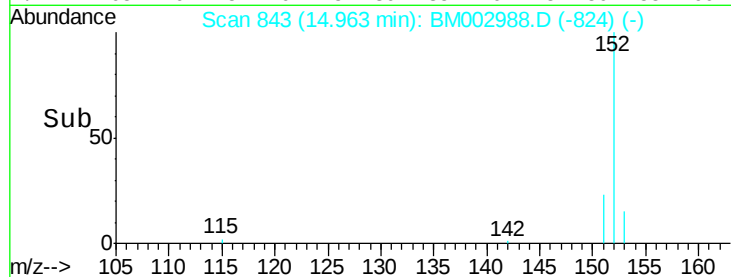
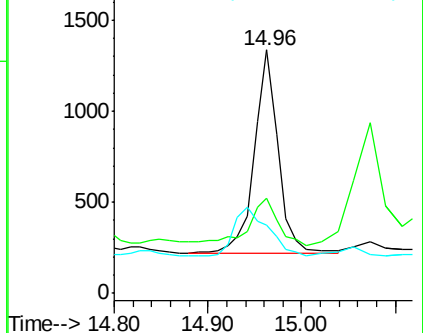
153 28.0 11.3 16.9#



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: 0.01 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

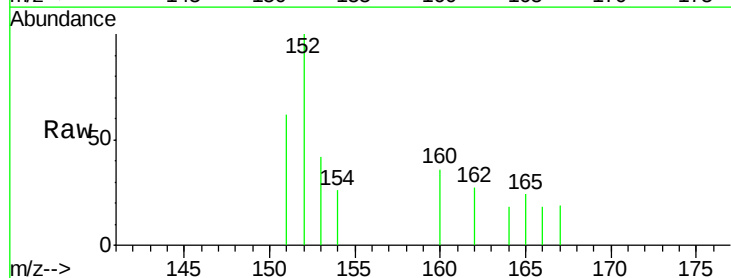
Tgt Ion:153 Resp: 505

Ion Ratio Lower Upper

153 100

152 237.1 42.3 63.5#

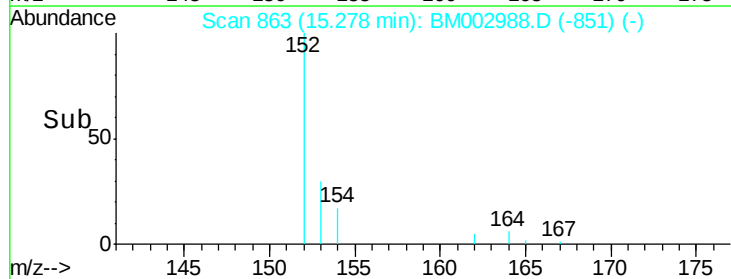
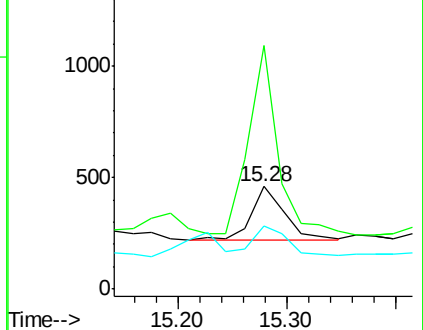
154 61.8 64.7 97.1#

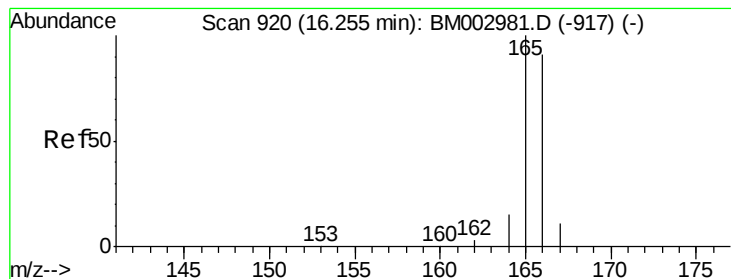


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.05 ng/ul

RT: 16.20 min Scan# 917

Delta R.T. -0.05 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

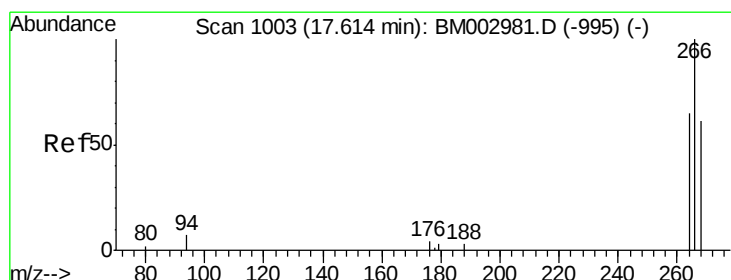
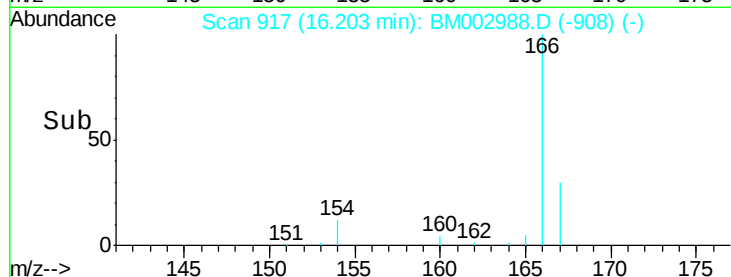
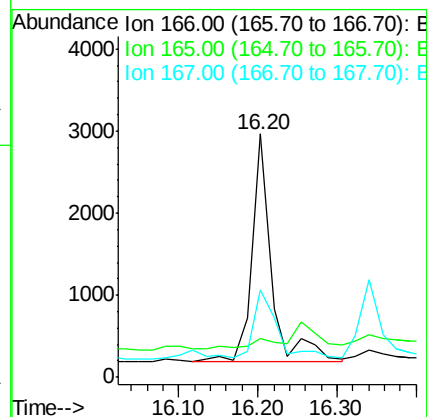
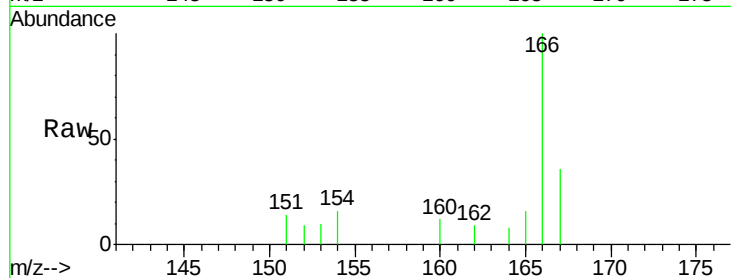
Tot Ion:166 Resp: 4758

Ion Ratio Lower Upper

166 100

165 16.2 87.6 131.4#

167 36.0 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 17.61 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

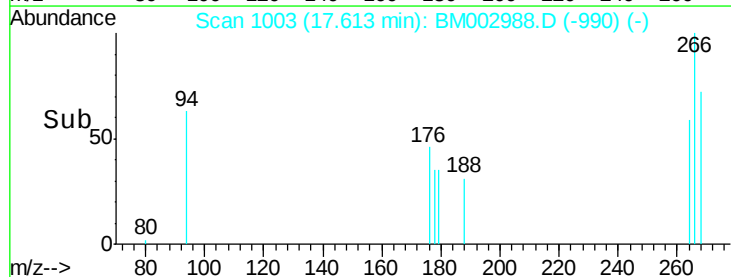
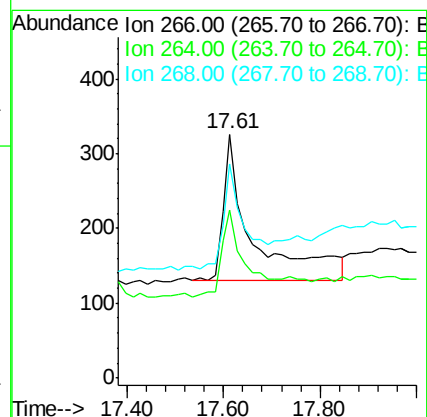
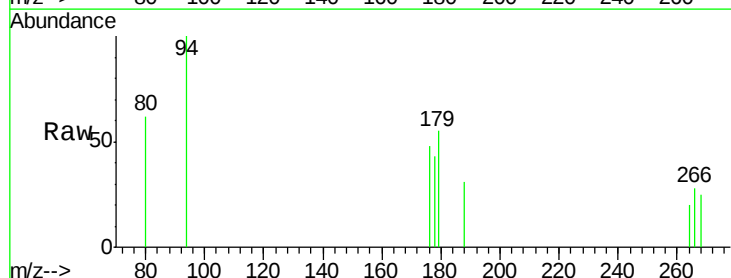
Tgt Ion:266 Resp: 828

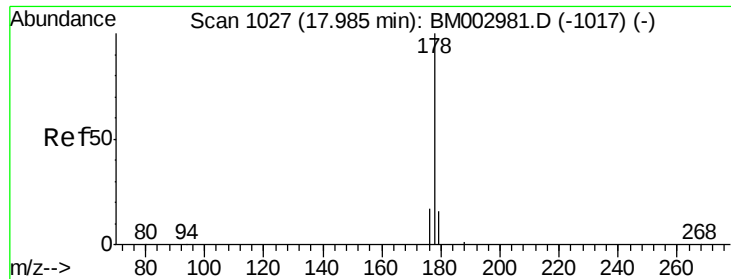
Ion Ratio Lower Upper

266 100

264 69.7 53.5 80.3

268 77.5 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

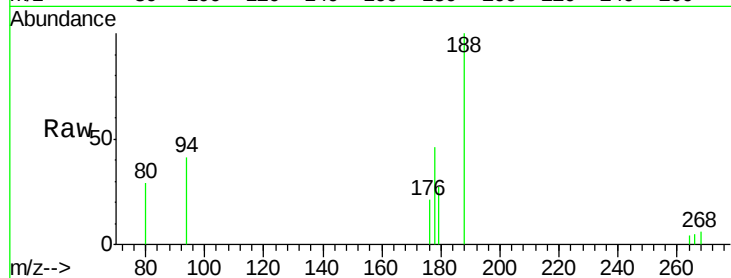
Tot Ion:178 Resp: 2288

Ion Ratio Lower Upper

178 100

176 44.9 16.2 24.4#

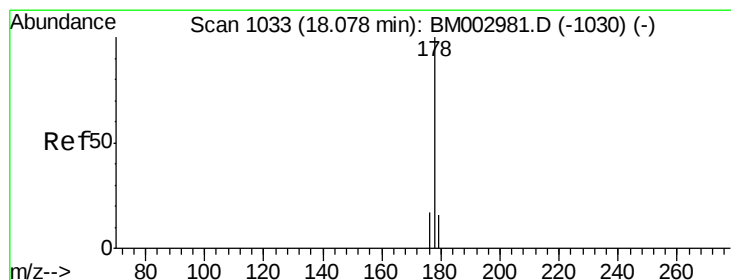
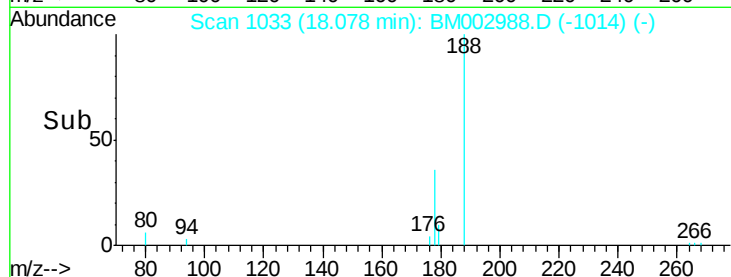
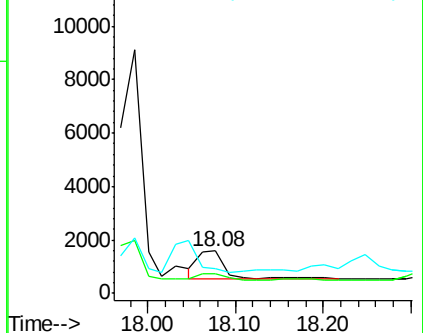
179 57.6 12.8 19.2#



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: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

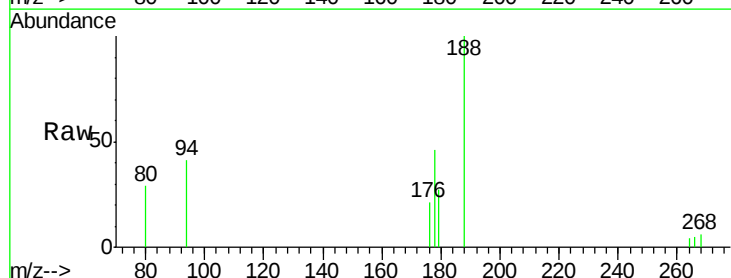
Tgt Ion:178 Resp: 2025

Ion Ratio Lower Upper

178 100

176 44.9 15.8 23.8#

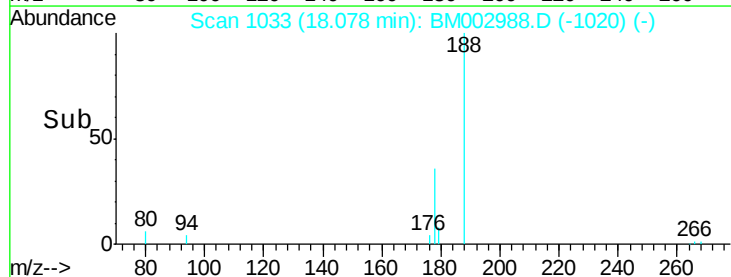
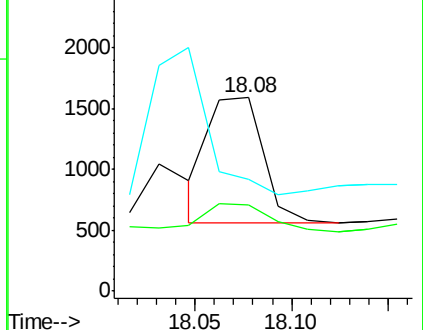
179 57.6 13.3 19.9#

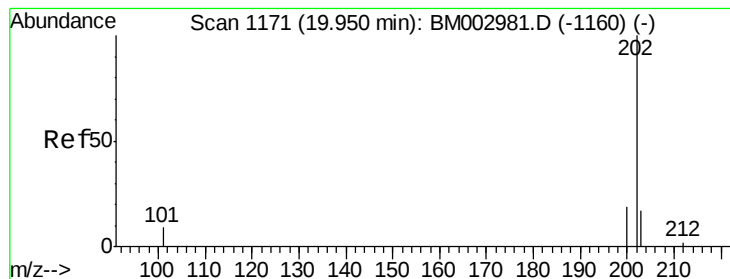


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.95 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

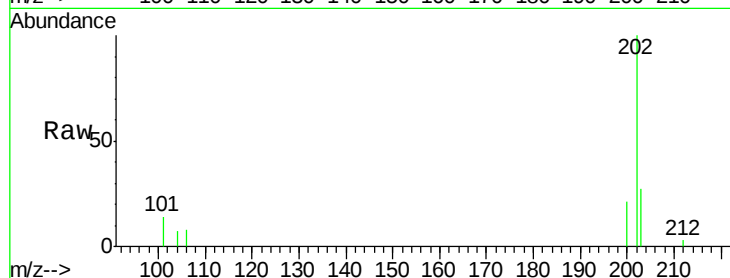
Tot Ion:202 Resp: 33308

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.1

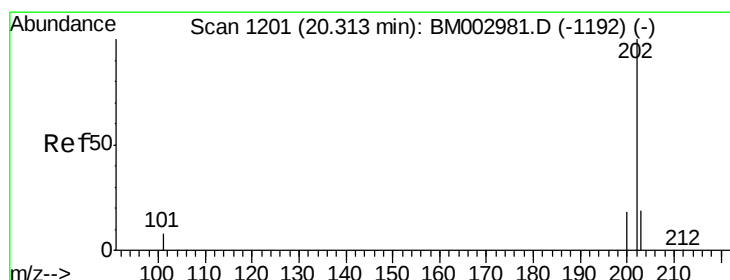
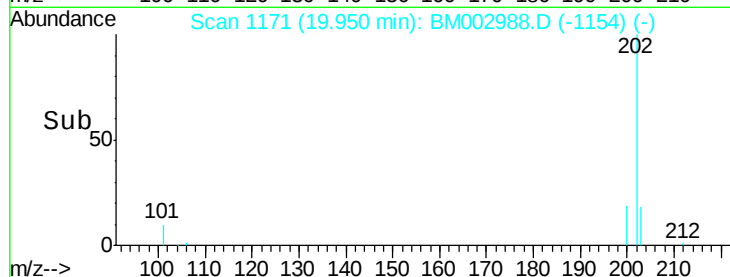
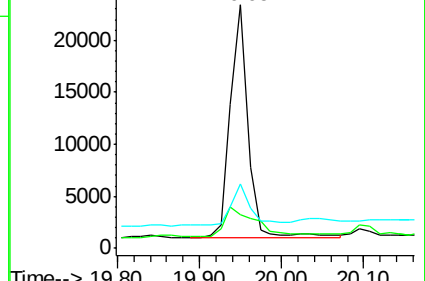
203 26.5 0.0 37.2



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: 0.49 ng/ul

RT: 20.43 min Scan# 1211

Delta R.T. 0.12 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

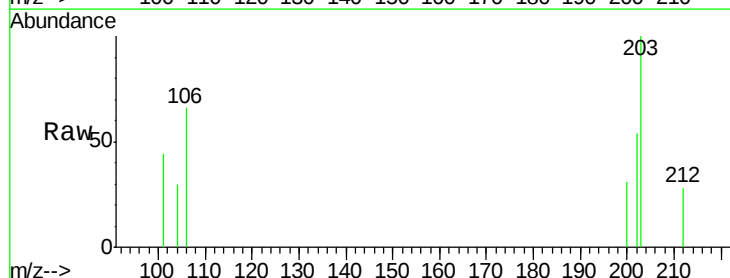
Tgt Ion:202 Resp: 1553

Ion Ratio Lower Upper

202 100

200 57.5 18.0 27.0#

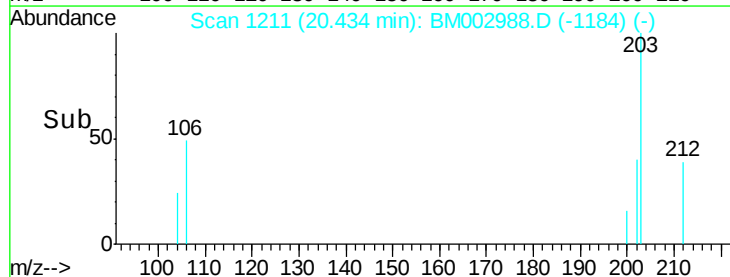
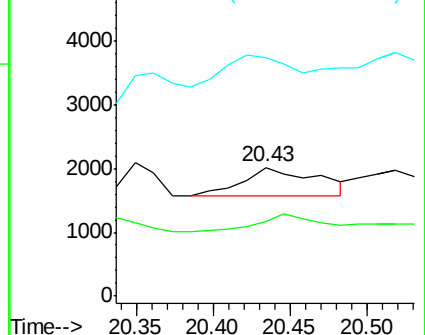
203 185.4 13.8 20.6#

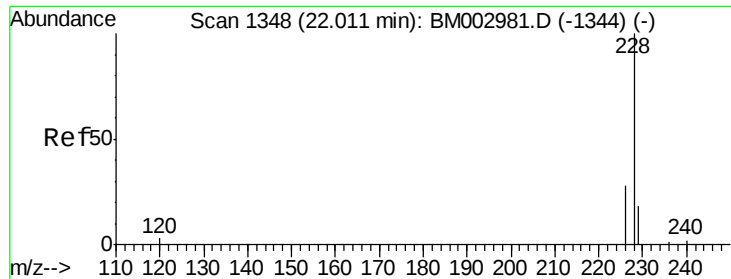


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.85 ng/ul

RT: 22.26 min Scan# 1372

Delta R.T. 0.25 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

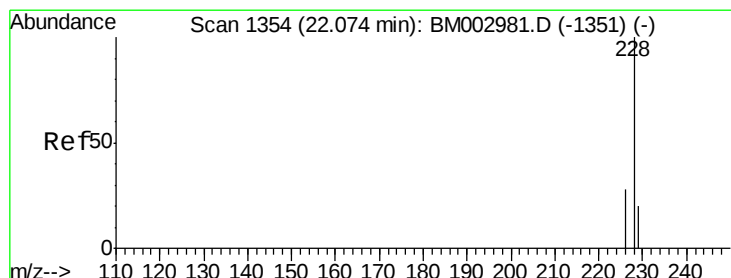
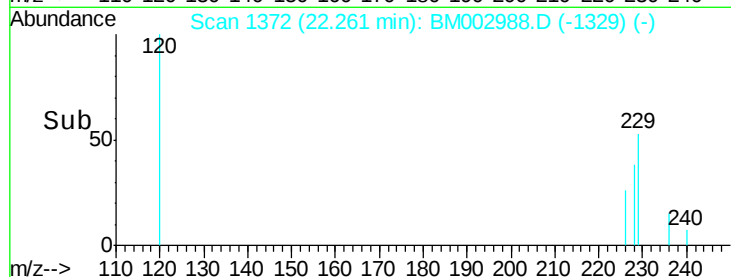
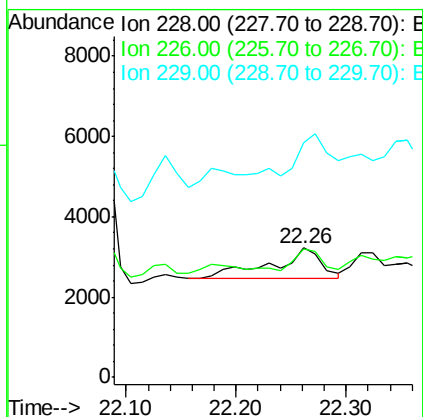
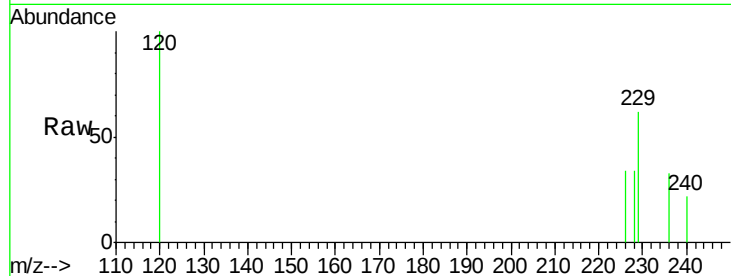
Tot Ion:228 Resp: 2452

Ion Ratio Lower Upper

228 100

226 99.0 23.0 34.4#

229 180.9 15.2 22.8#



#21

Chrysene

Concen: 0.84 ng/ul

RT: 22.26 min Scan# 1372

Delta R.T. 0.19 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

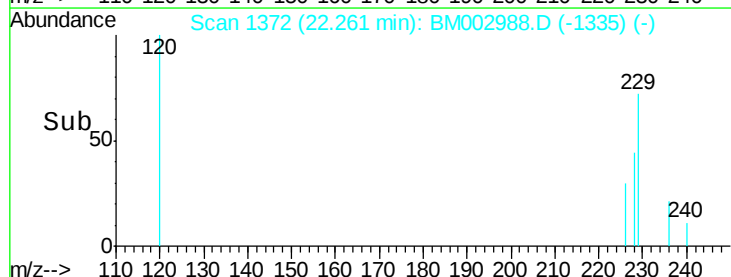
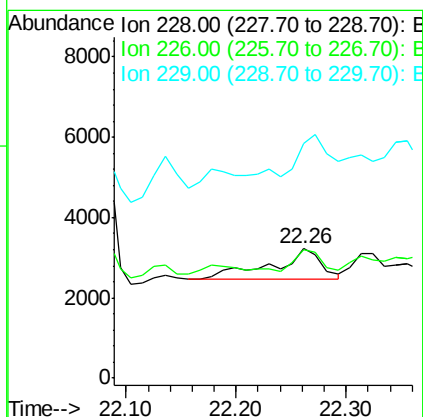
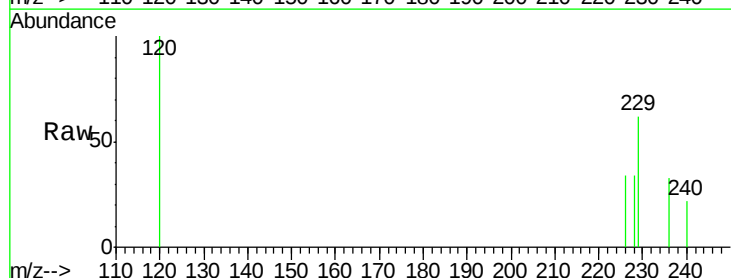
Tgt Ion:228 Resp: 2452

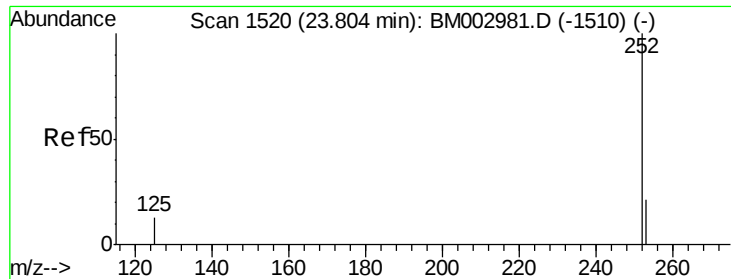
Ion Ratio Lower Upper

228 100

226 99.0 25.7 38.5#

229 180.9 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 1.52 ng/ul

RT: 24.00 min Scan# 1539

Delta R.T. 0.20 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

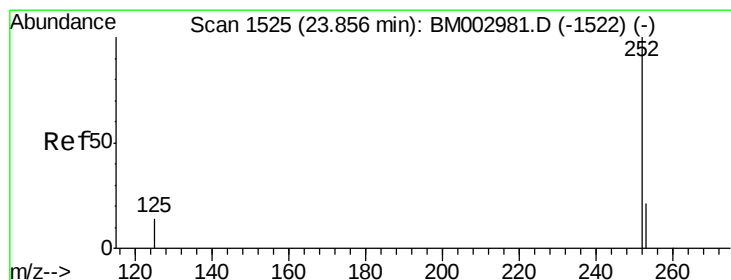
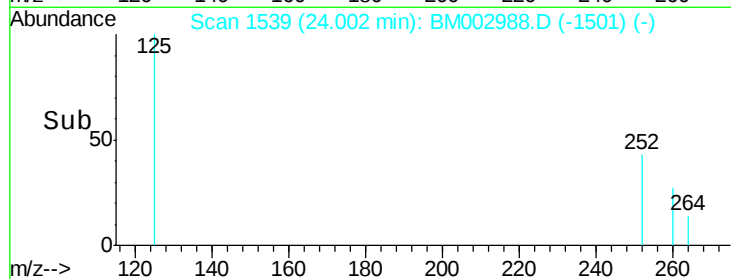
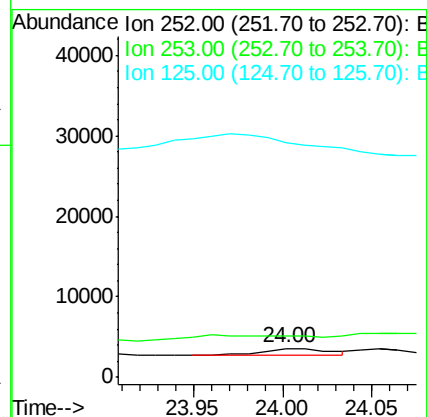
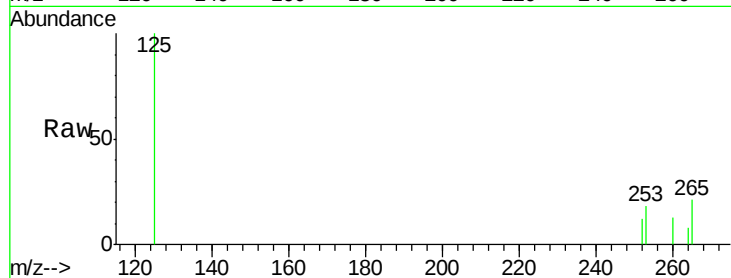
Tot Ion:252 Resp: 2170

Ion Ratio Lower Upper

252 100

253 145.9 0.0 48.0#

125 821.6 0.0 36.6#



#24

Benzo(k)fluoranthene

Concen: 1.08 ng/ul

RT: 24.05 min Scan# 1544

Delta R.T. 0.20 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

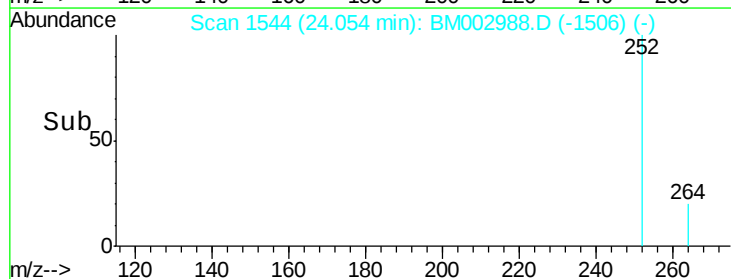
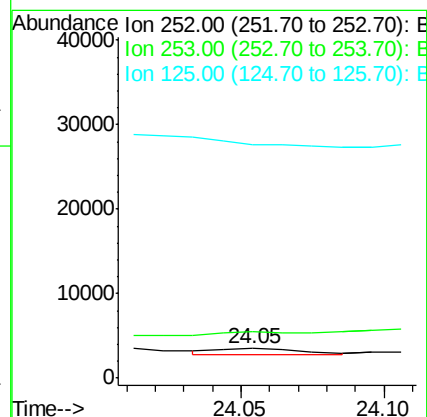
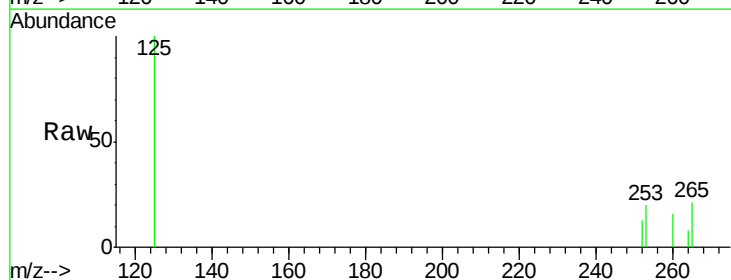
Tgt Ion:252 Resp: 1492

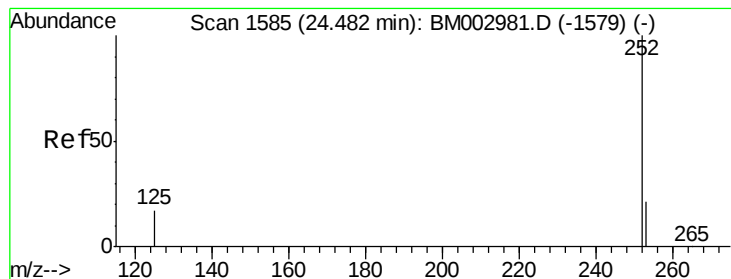
Ion Ratio Lower Upper

252 100

253 156.5 20.8 31.2#

125 788.4 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 8.37 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.18 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

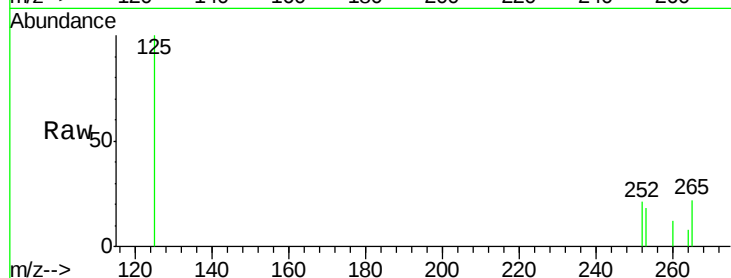
Tot Ion:252 Resp: 11378

Ion Ratio Lower Upper

252 100

253 82.7 21.8 32.8#

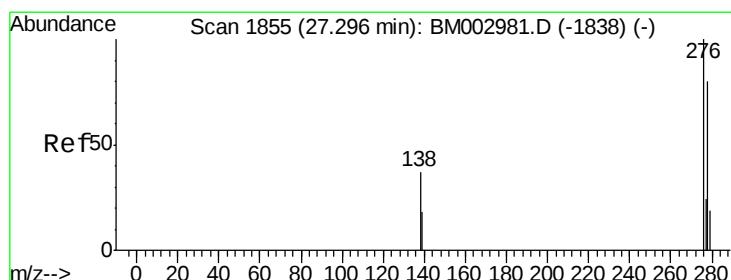
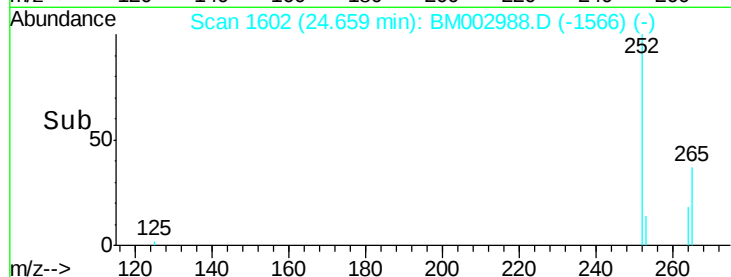
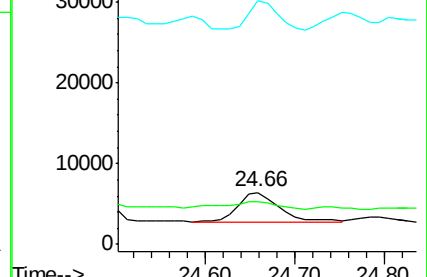
125 471.0 14.5 21.7#



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: 0.06 ng/ul

RT: 27.53 min Scan# 1877

Delta R.T. 0.23 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

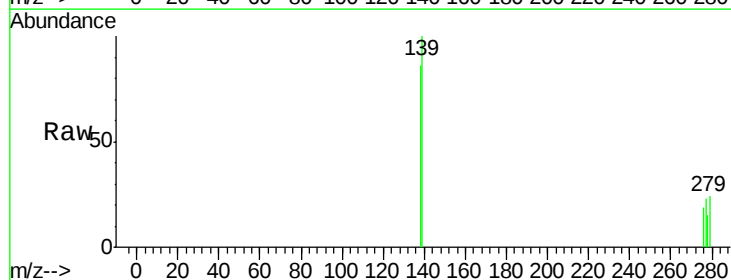
Tgt Ion:276 Resp: 94

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

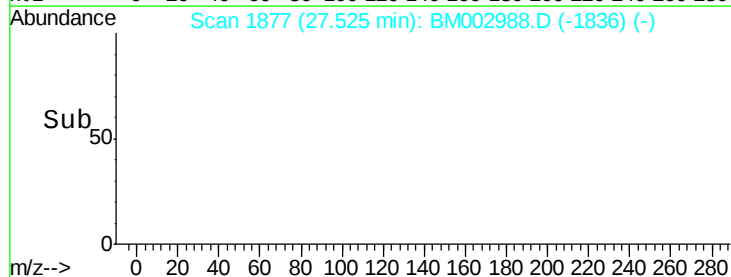
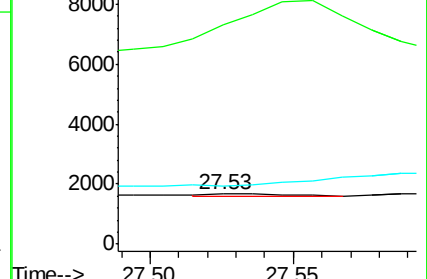
277 0.0 19.3 28.9#

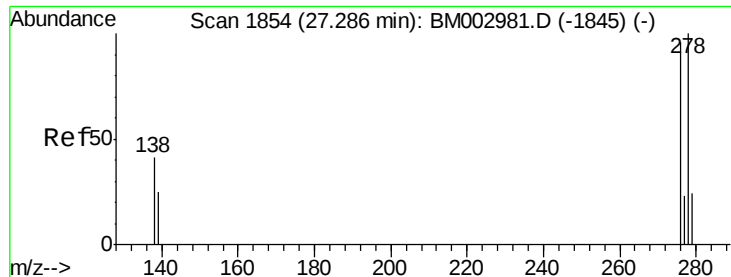


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 1.22 ng/ul

RT: 27.61 min Scan# 1885

Delta R.T. 0.32 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

Instrument :

BNA_M

ClientSampleId :

JG9H4

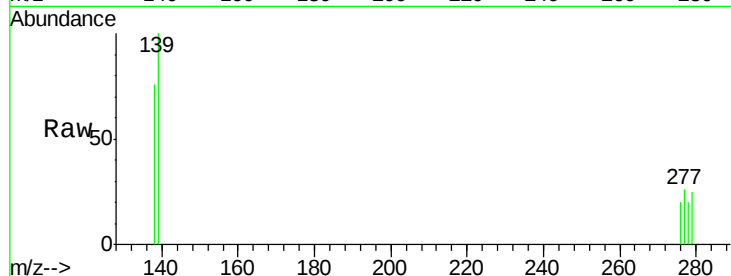
Tot Ion:278 Resp: 1468

Ion Ratio Lower Upper

278 100

139 510.8 21.7 32.5#

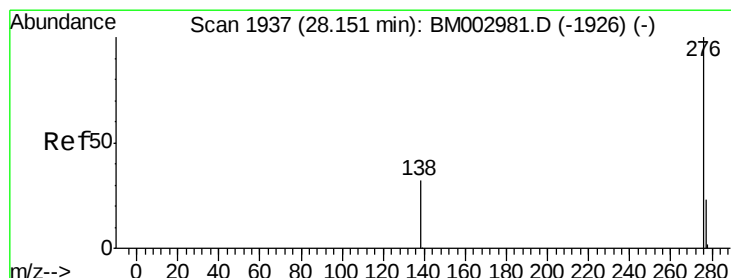
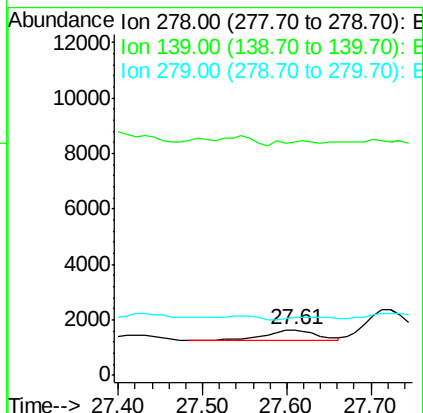
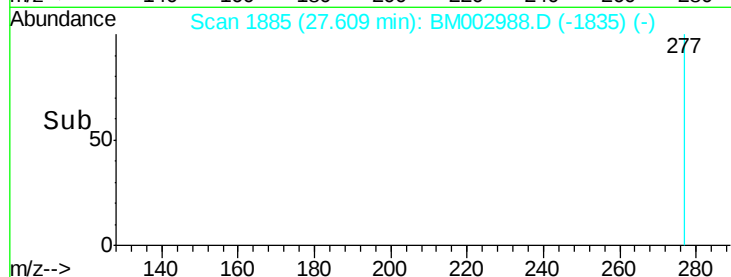
279 127.2 21.9 32.9#



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(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 28.42 min Scan# 1963

Delta R.T. 0.27 min

Lab File: BM002988.D

Acq: 22 Oct 2015 21:50

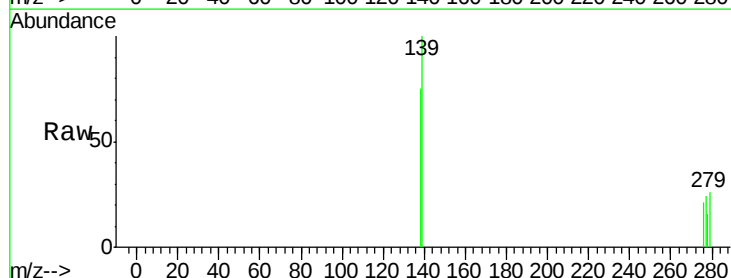
Tgt Ion:276 Resp: 216

Ion Ratio Lower Upper

276 100

277 114.4 21.3 31.9#

138 363.4 25.5 38.3#



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

