

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
 Data File : BM002985.D
 Acq On : 22 Oct 2015 20:01
 Operator : UM/IZ
 Sample : G4074-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H0

Quant Time: Oct 23 02:01:21 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

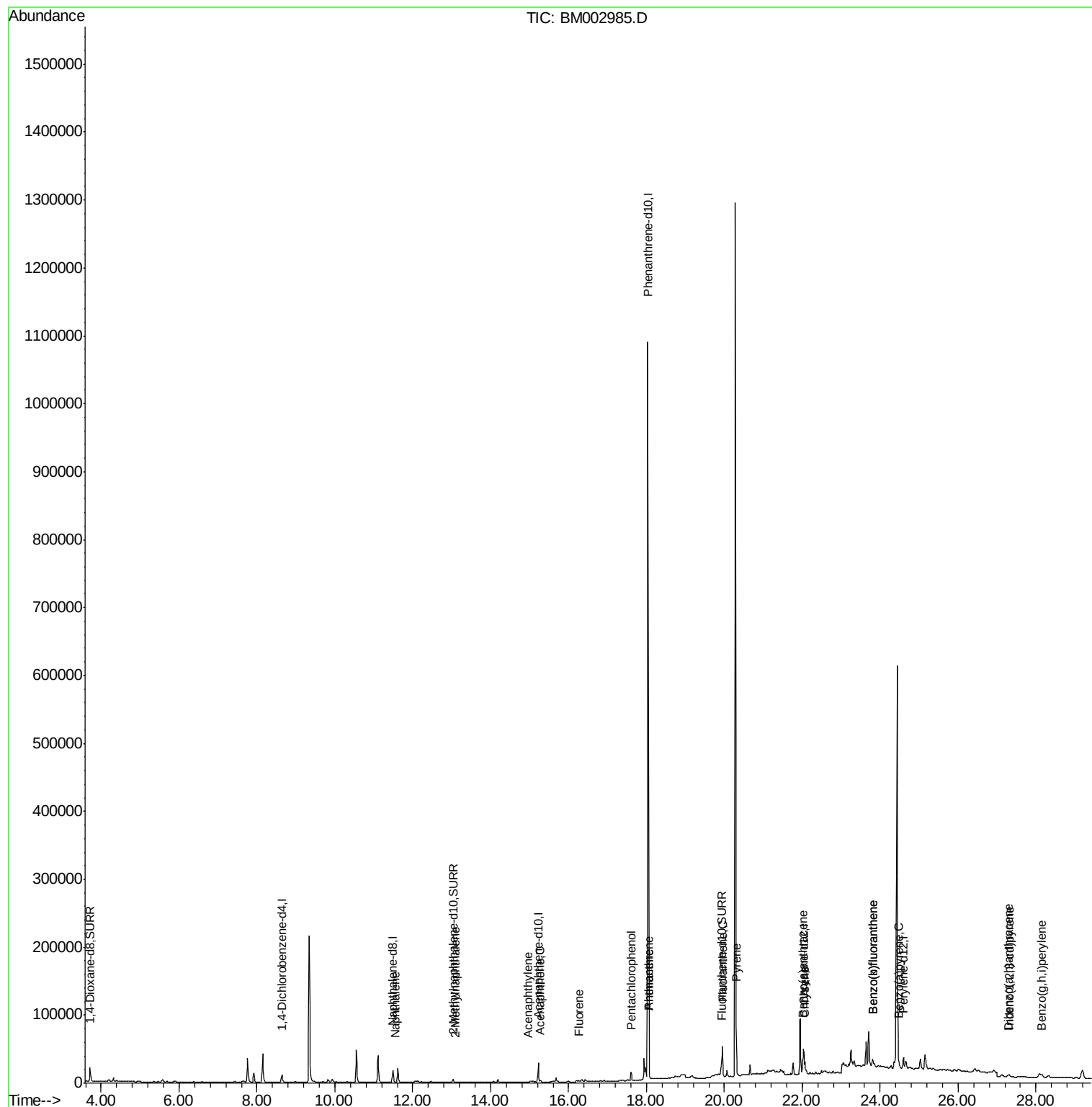
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	6885	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	30212	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	17131	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	1389426	0.40	ng/ul	0.09
18) Chrysene-d12	22.03	240	31664	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	25942	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	17110	2.33	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	8444	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.93	212	17297	0.00	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.54	128	684	0.01	ng/ul#	44
7) 2-Methylnaphthalene	13.10	142	733	0.01	ng/ul	89
9) Acenaphthylene	14.96	152	573	0.01	ng/ul#	21
10) Acenaphthene	15.28	153	1917	0.03	ng/ul	94
11) Fluorene	16.25	166	1445	0.02	ng/ul#	89
13) Pentachlorophenol	17.61	266	142	0.00	ng/ul#	81
14) Phenanthrene	18.06	178	3922	0.00	ng/ul#	41
15) Anthracene	18.06	178	3407	0.00	ng/ul#	41
17) Fluoranthene	19.95	202	43128	0.01	ng/ul	87
19) Pyrene	20.30	202	36240	0.32	ng/ul#	87
20) Benzo(a)anthracene	22.01	228	16038	0.15	ng/ul#	75
21) Chrysene	22.07	228	24353	0.23	ng/ul#	80
23) Benzo(b)fluoranthene	23.80	252	24381	0.27	ng/ul#	1
24) Benzo(k)fluoranthene	23.80	252	24381	0.27	ng/ul#	1
25) Benzo(a)pyrene	24.48	252	9308	0.11	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.31	276	6531	0.07	ng/ul#	64
27) Dibenzo(a,h)anthracene	27.29	278	2419	0.03	ng/ul#	1
28) Benzo(a,h,i)perylene	28.15	276	9674	0.12	ng/ul#	1

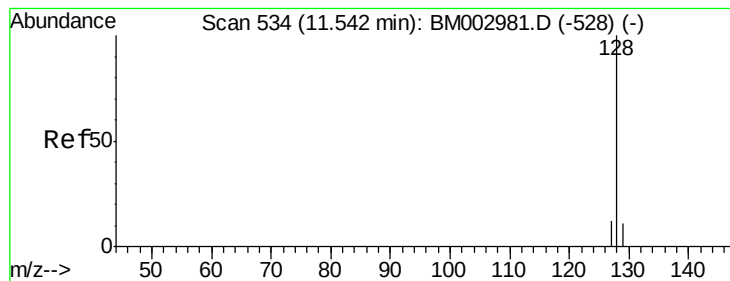
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

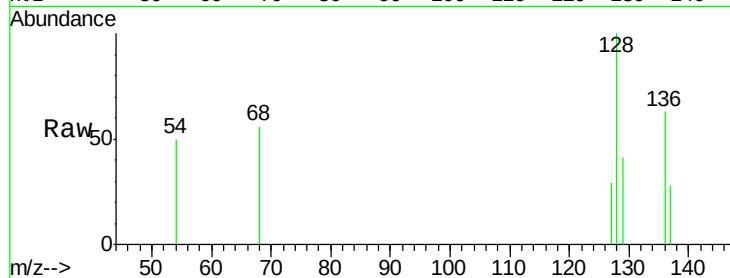
Tot Ion:128 Resp: 684

Ion Ratio Lower Upper

128 100

129 41.1 9.8 14.8#

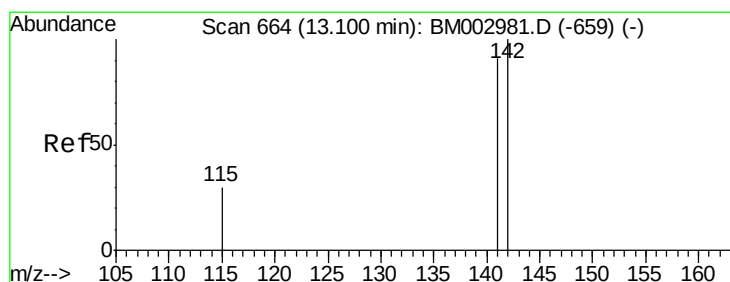
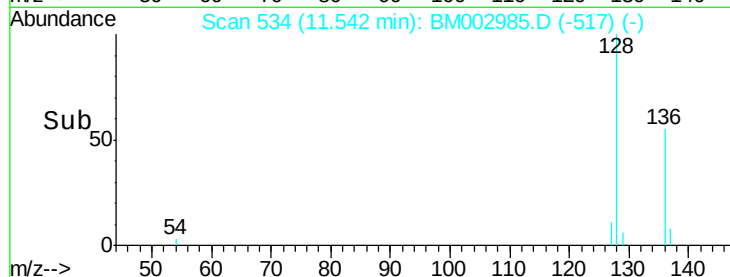
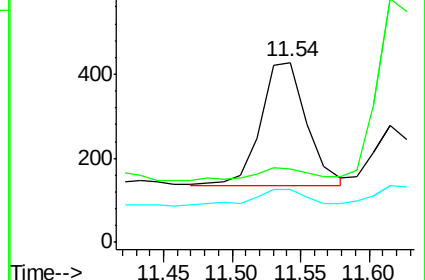
127 29.4 10.7 16.1#



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: 0.01 ng/ul

RT: 13.10 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM002985.D

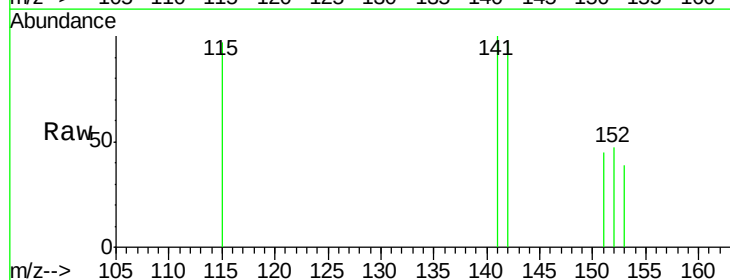
Acq: 22 Oct 2015 20:01

Tgt Ion:142 Resp: 733

Ion Ratio Lower Upper

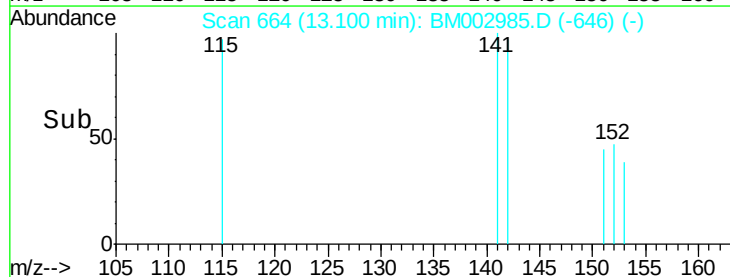
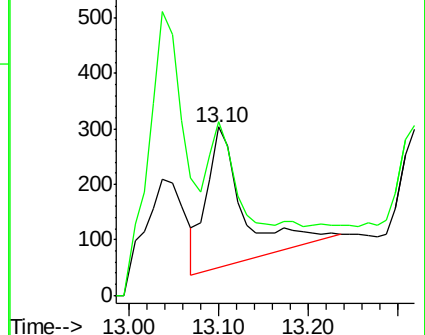
142 100

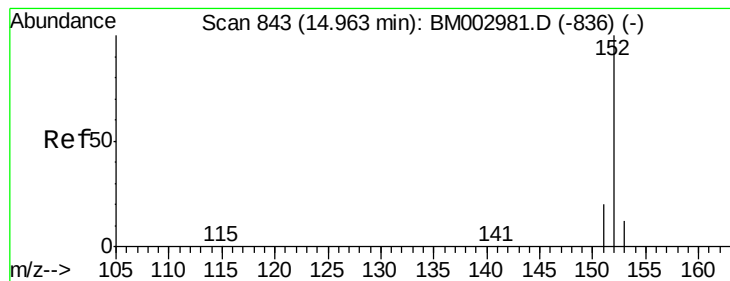
141 97.8 70.3 105.5



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: 14.96 min Scan# 843

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

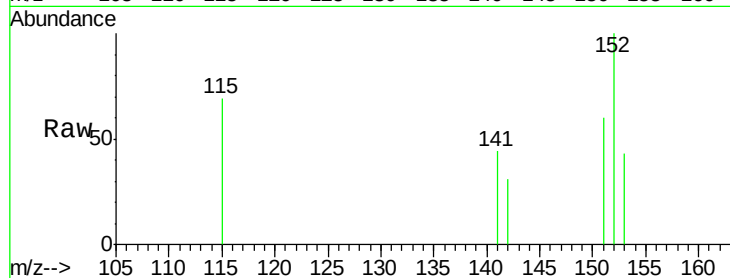
Tot Ion:152 Resp: 573

Ion Ratio Lower Upper

152 100

151 60.4 16.8 25.2#

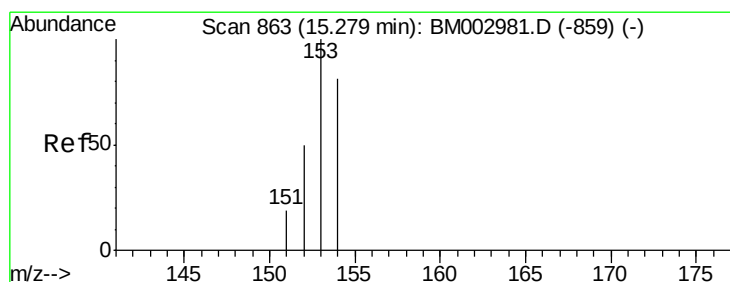
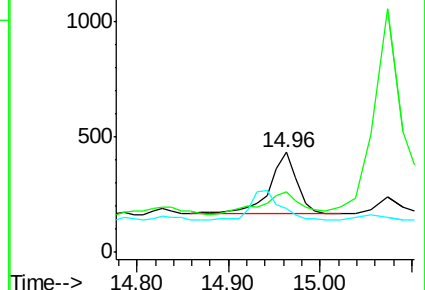
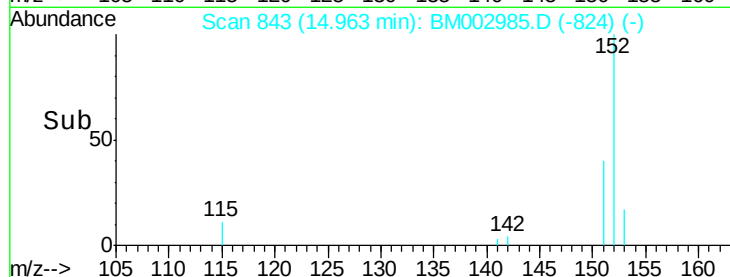
153 43.3 11.3 16.9#



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: 0.03 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

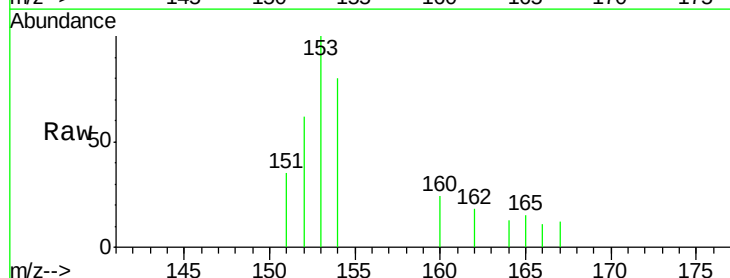
Tgt Ion:153 Resp: 1917

Ion Ratio Lower Upper

153 100

152 62.5 42.3 63.5

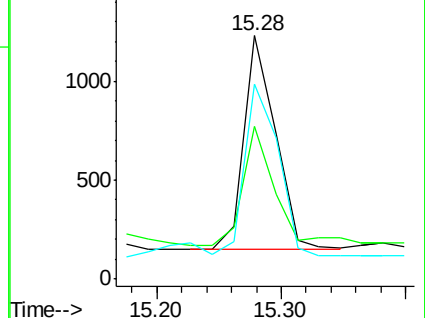
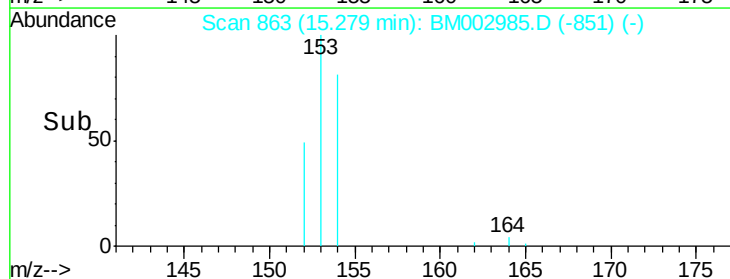
154 80.3 64.7 97.1

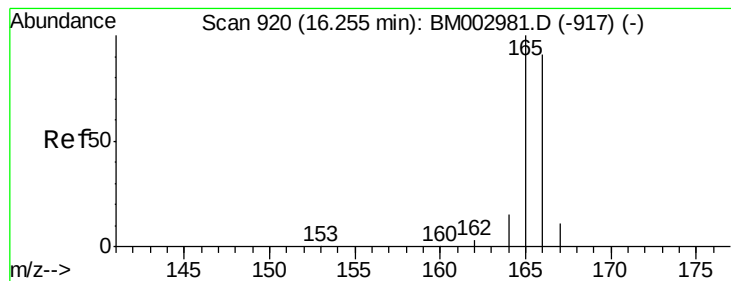


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.02 ng/ul

RT: 16.25 min Scan# 920

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

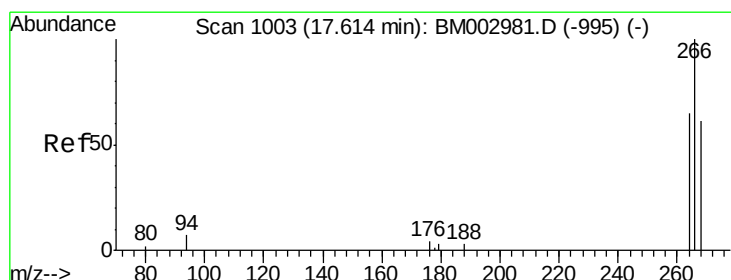
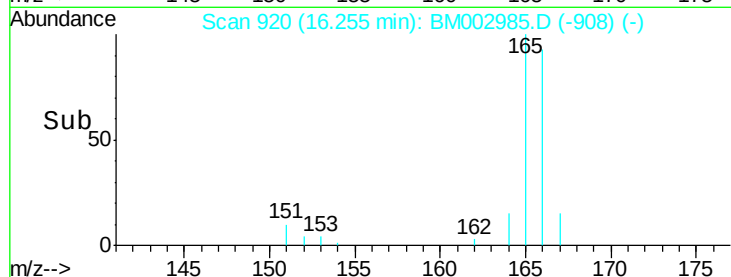
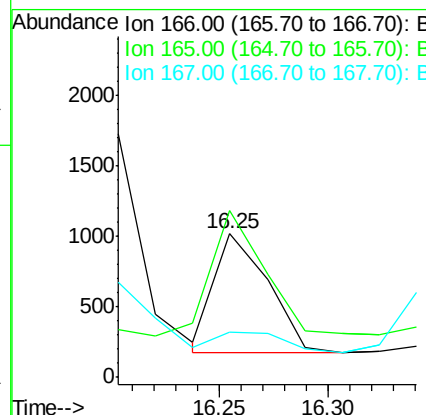
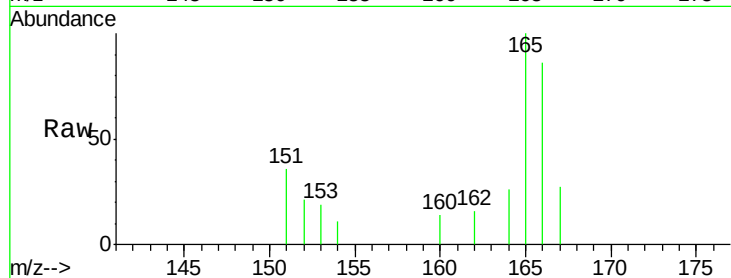
Tot Ion:166 Resp: 1445

Ion Ratio Lower Upper

166 100

165 116.5 87.6 131.4

167 31.7 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 17.61 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

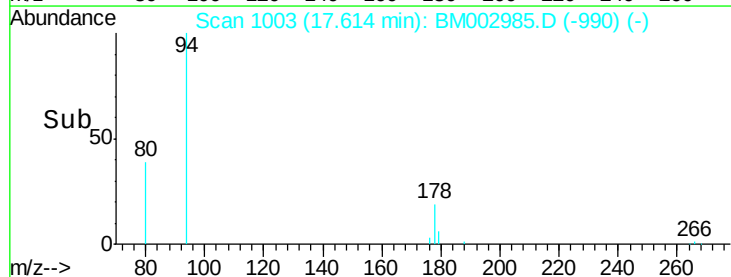
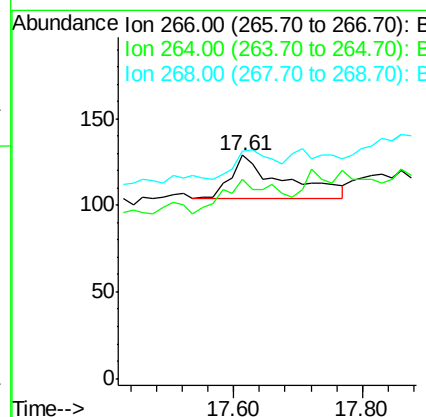
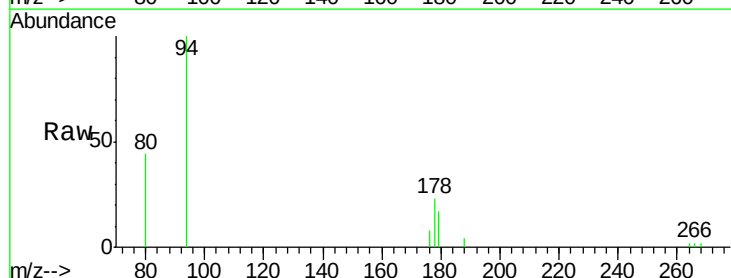
Tgt Ion:266 Resp: 142

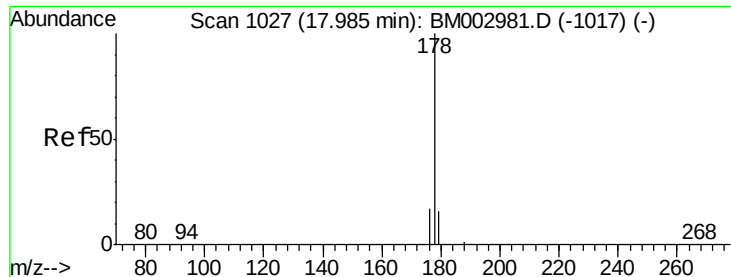
Ion Ratio Lower Upper

266 100

264 80.3 53.5 80.3#

268 50.0 54.2 81.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. 0.08 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

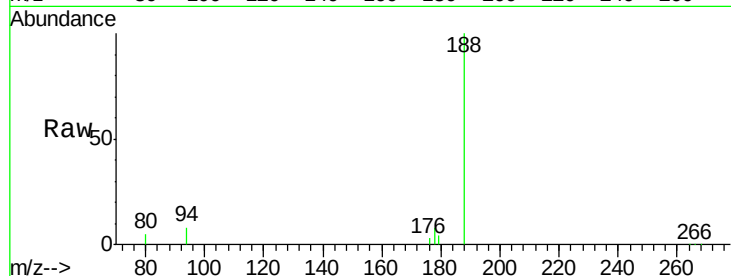
Tot Ion:178 Resp: 3922

Ion Ratio Lower Upper

178 100

176 38.2 16.2 24.4#

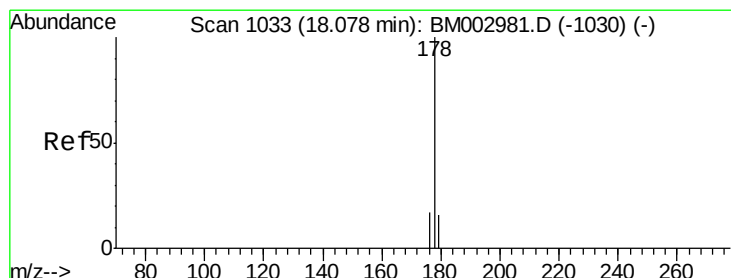
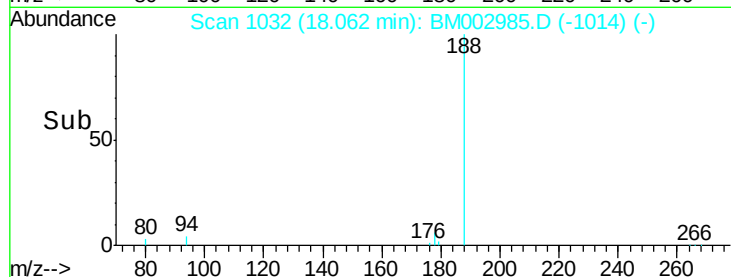
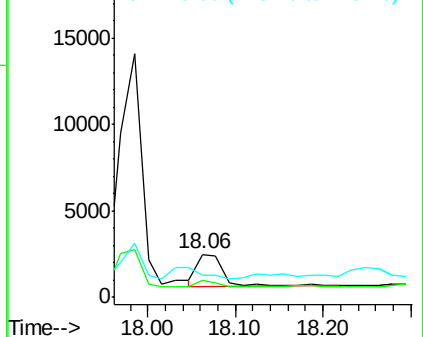
179 52.0 12.8 19.2#



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: 18.06 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

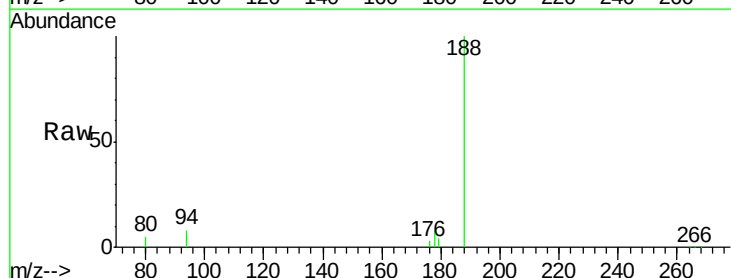
Tgt Ion:178 Resp: 3407

Ion Ratio Lower Upper

178 100

176 38.2 15.8 23.8#

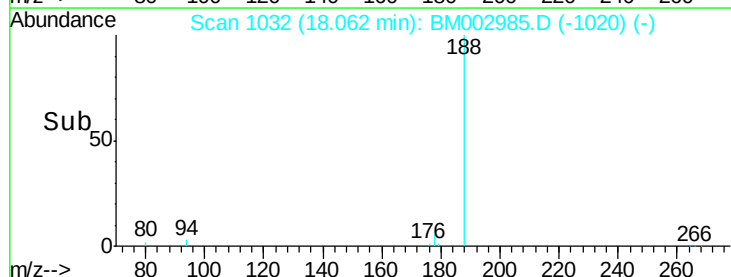
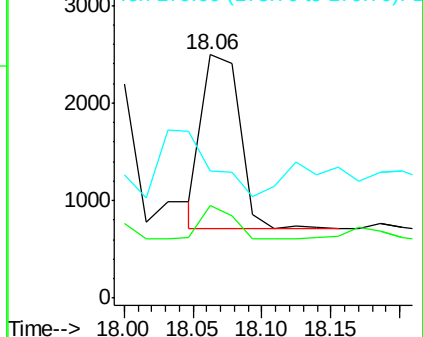
179 52.0 13.3 19.9#

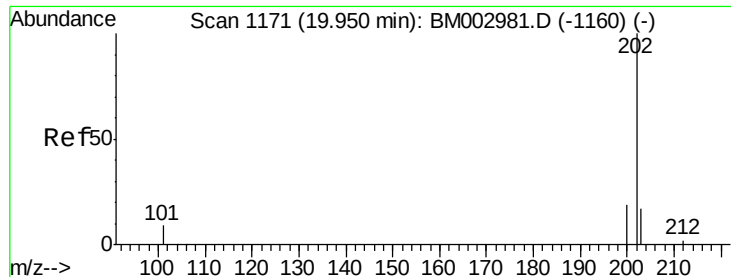


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

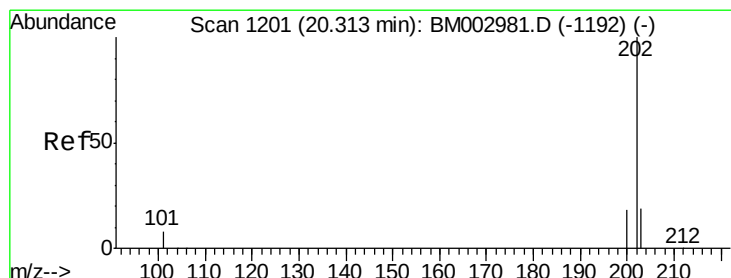
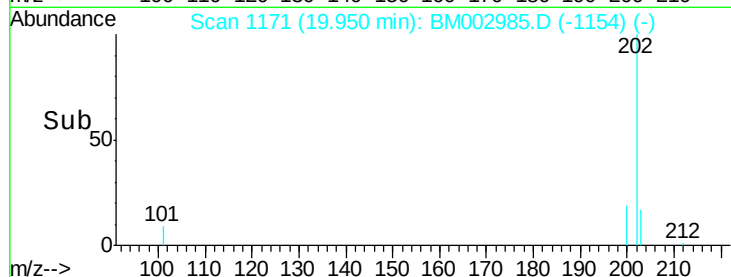
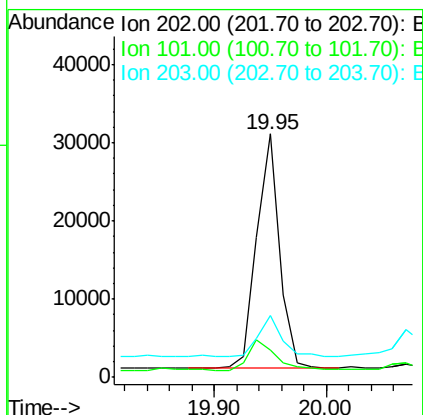
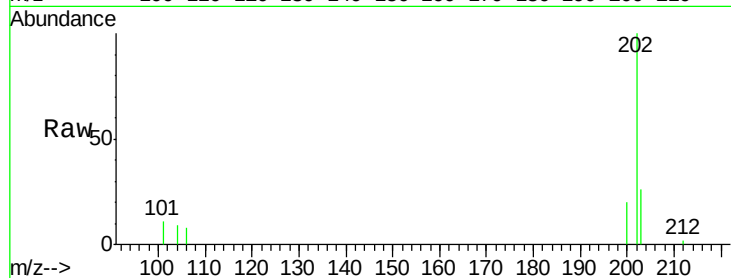




#17
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.95 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BM002985.D
Acq: 22 Oct 2015 20:01

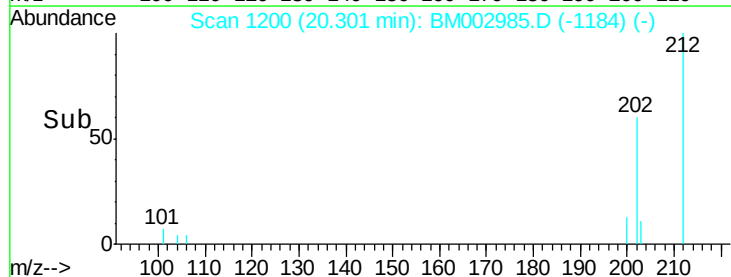
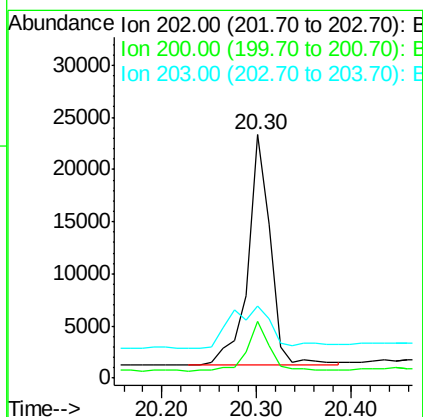
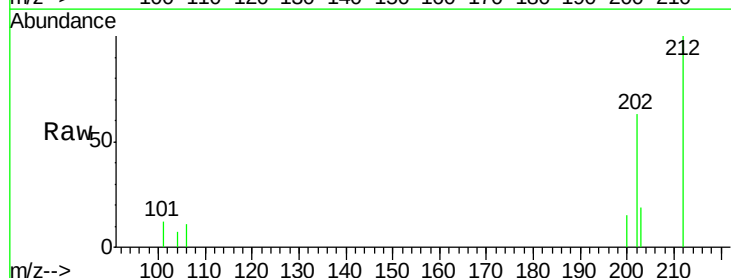
Instrument :
BNA_M
ClientSampleId :
JG9H0

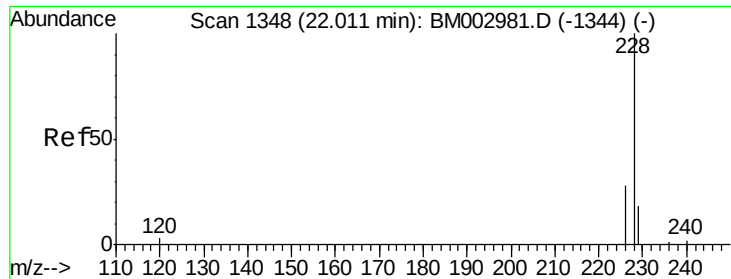
Tot Ion:202 Resp: 43128
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.1
203 25.5 0.0 37.2



#19
Pyrene
Concen: 0.32 ng/ul
RT: 20.30 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM002985.D
Acq: 22 Oct 2015 20:01

Tgt Ion:202 Resp: 36240
Ion Ratio Lower Upper
202 100
200 23.1 18.0 27.0
203 29.7 13.8 20.6#





#20

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

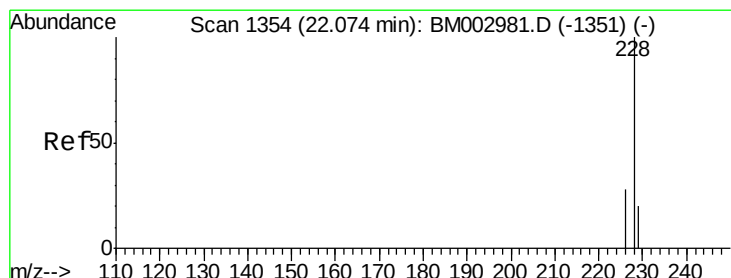
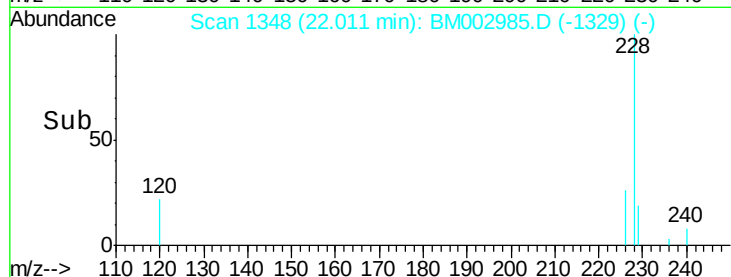
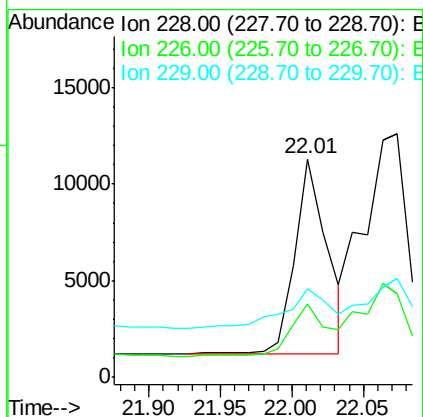
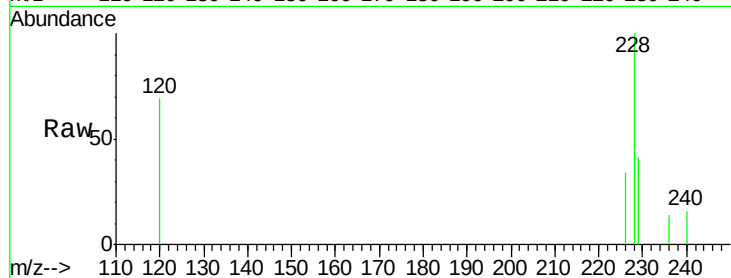
Tot Ion:228 Resp: 16038

Ion Ratio Lower Upper

228 100

226 33.6 23.0 34.4

229 40.6 15.2 22.8#



#21

Chrysene

Concen: 0.23 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

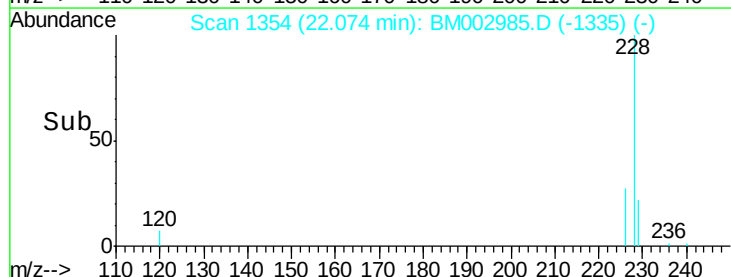
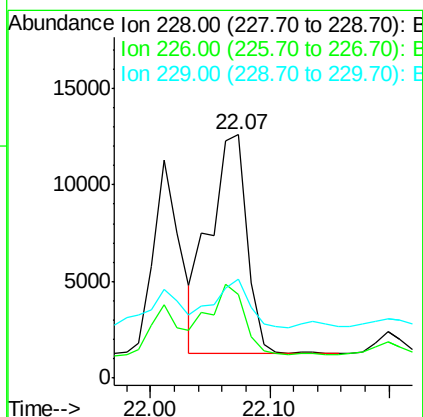
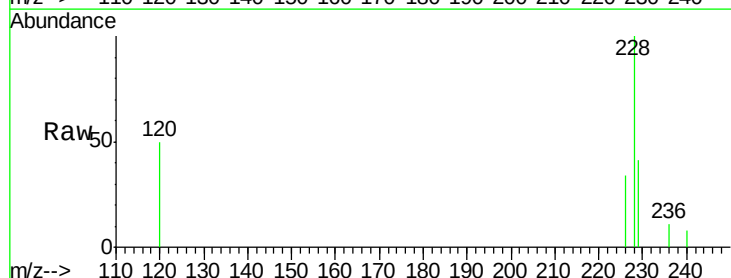
Tgt Ion:228 Resp: 24353

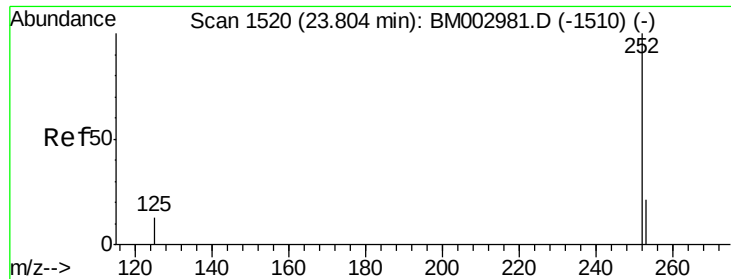
Ion Ratio Lower Upper

228 100

226 34.3 25.7 38.5

229 40.6 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.27 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

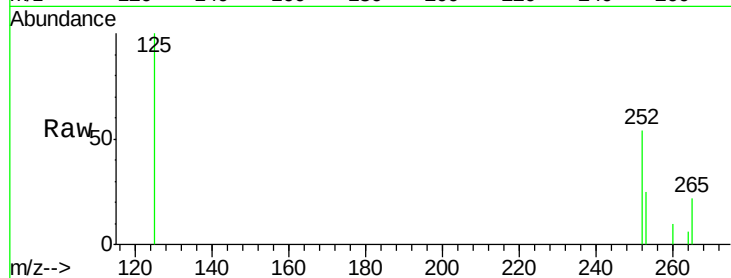
Tot Ion:252 Resp: 24381

Ion Ratio Lower Upper

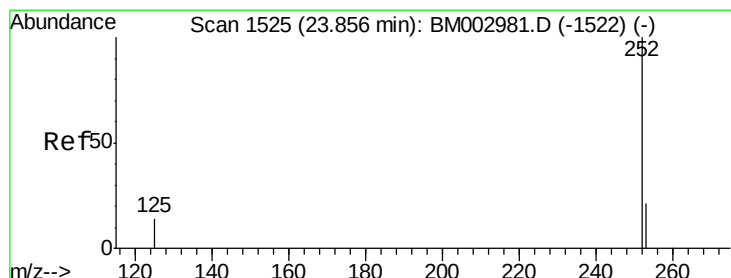
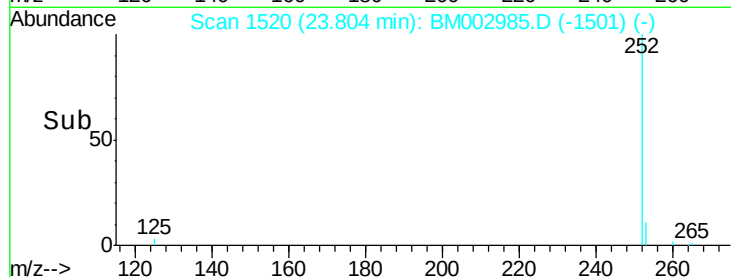
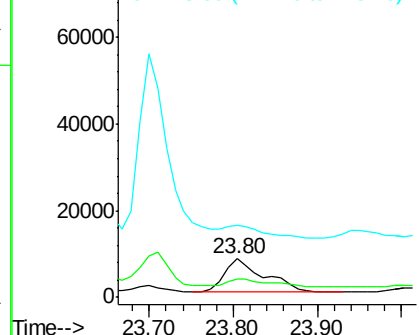
252 100

253 47.6 0.0 48.0

125 186.5 0.0 36.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.27 ng/ul

RT: 23.80 min Scan# 1520

Delta R.T. -0.05 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

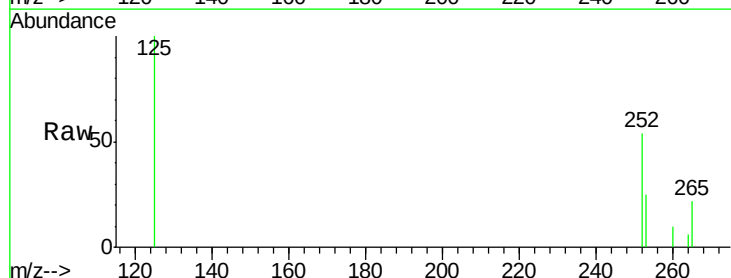
Tgt Ion:252 Resp: 24381

Ion Ratio Lower Upper

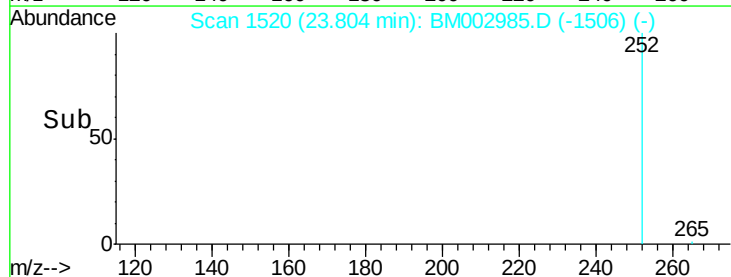
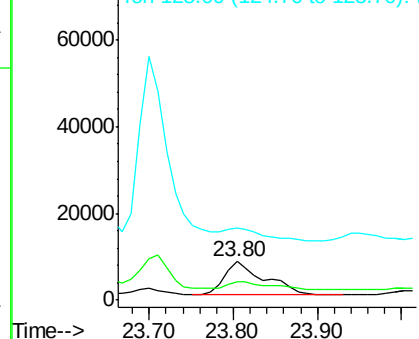
252 100

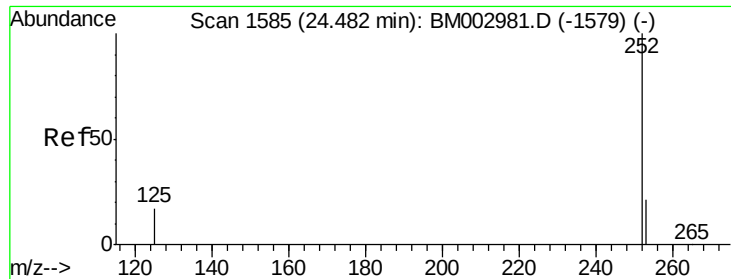
253 47.6 20.8 31.2#

125 186.5 12.2 18.4#



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: 0.11 ng/ul

RT: 24.48 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

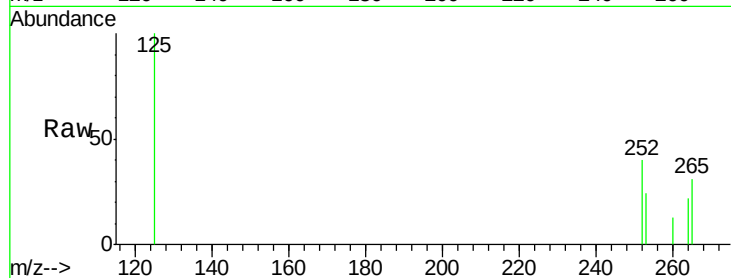
Tot Ion:252 Resp: 9308

Ion Ratio Lower Upper

252 100

253 59.8 21.8 32.8#

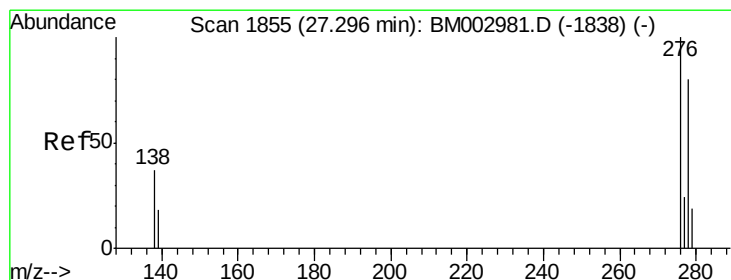
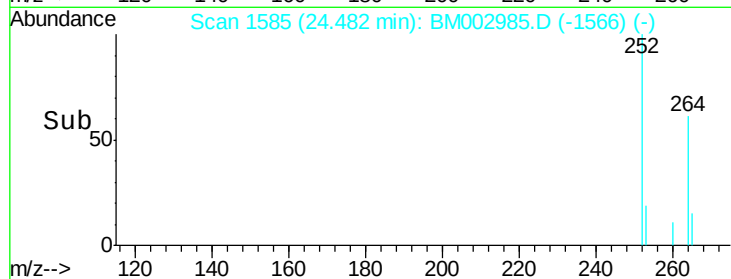
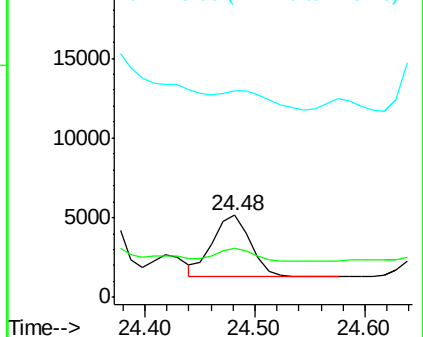
125 251.6 14.5 21.7#



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: 0.07 ng/ul

RT: 27.31 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

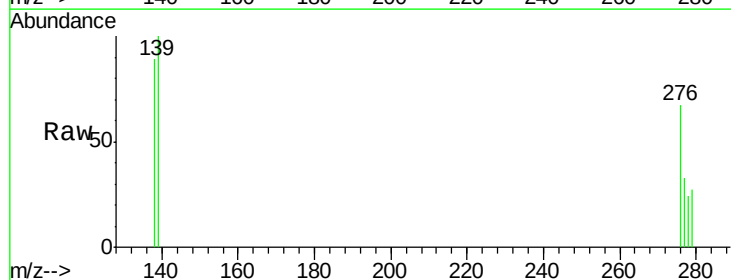
Tgt Ion:276 Resp: 6531

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

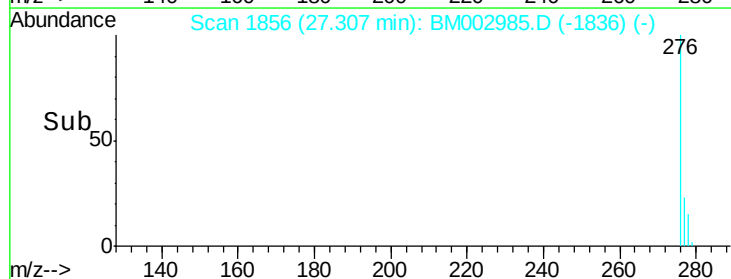
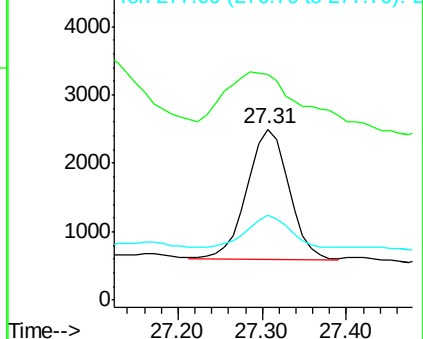
277 25.1 19.3 28.9

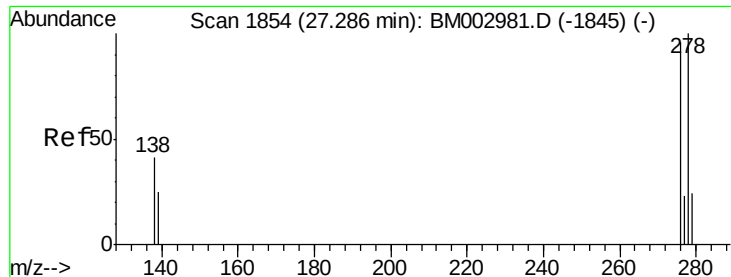


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

Instrument :

BNA_M

ClientSampleId :

JG9H0

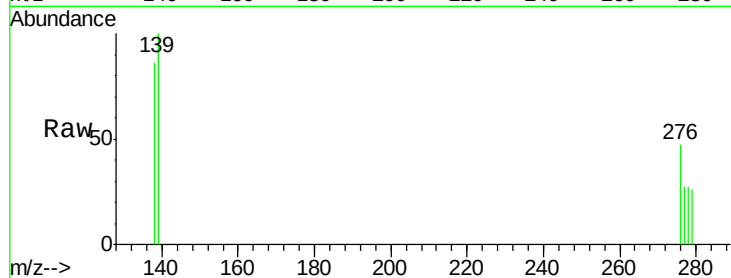
Tot Ion:278 Resp: 2419

Ion Ratio Lower Upper

278 100

139 374.2 21.7 32.5#

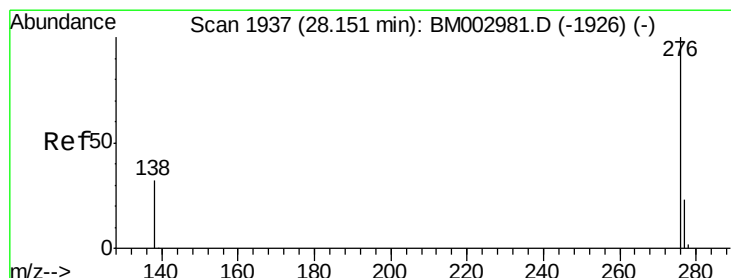
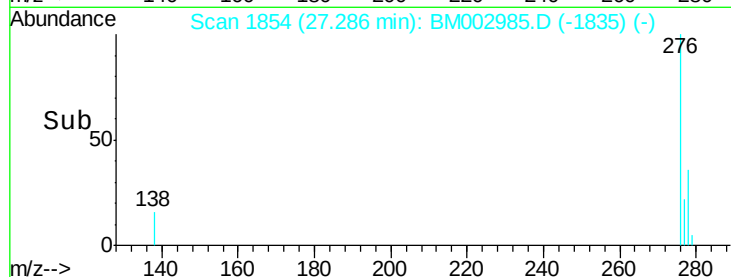
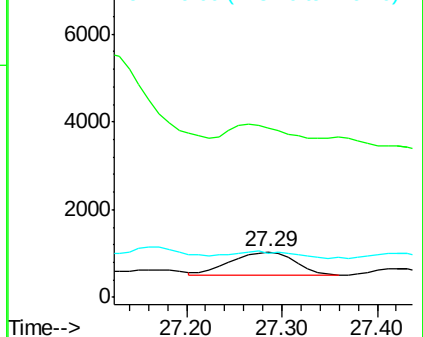
279 98.2 21.9 32.9#



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: 0.12 ng/ul

RT: 28.15 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BM002985.D

Acq: 22 Oct 2015 20:01

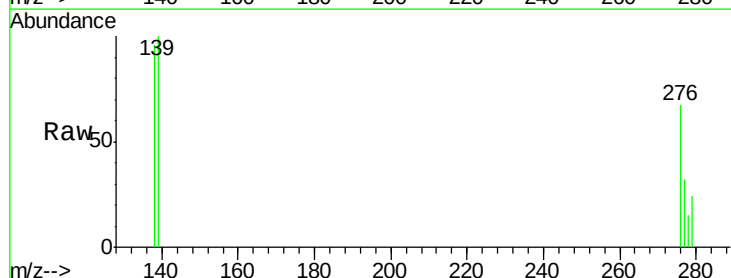
Tgt Ion:276 Resp: 9674

Ion Ratio Lower Upper

276 100

277 47.7 21.3 31.9#

138 143.0 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

