

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003274.D
 Acq On : 22 Nov 2015 10:19
 Operator : UM/IZ
 Sample : G4345-09DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 23 01:08:35 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 : Mon Nov 23 01:07:06 2015
 Response via : Initial Calibration

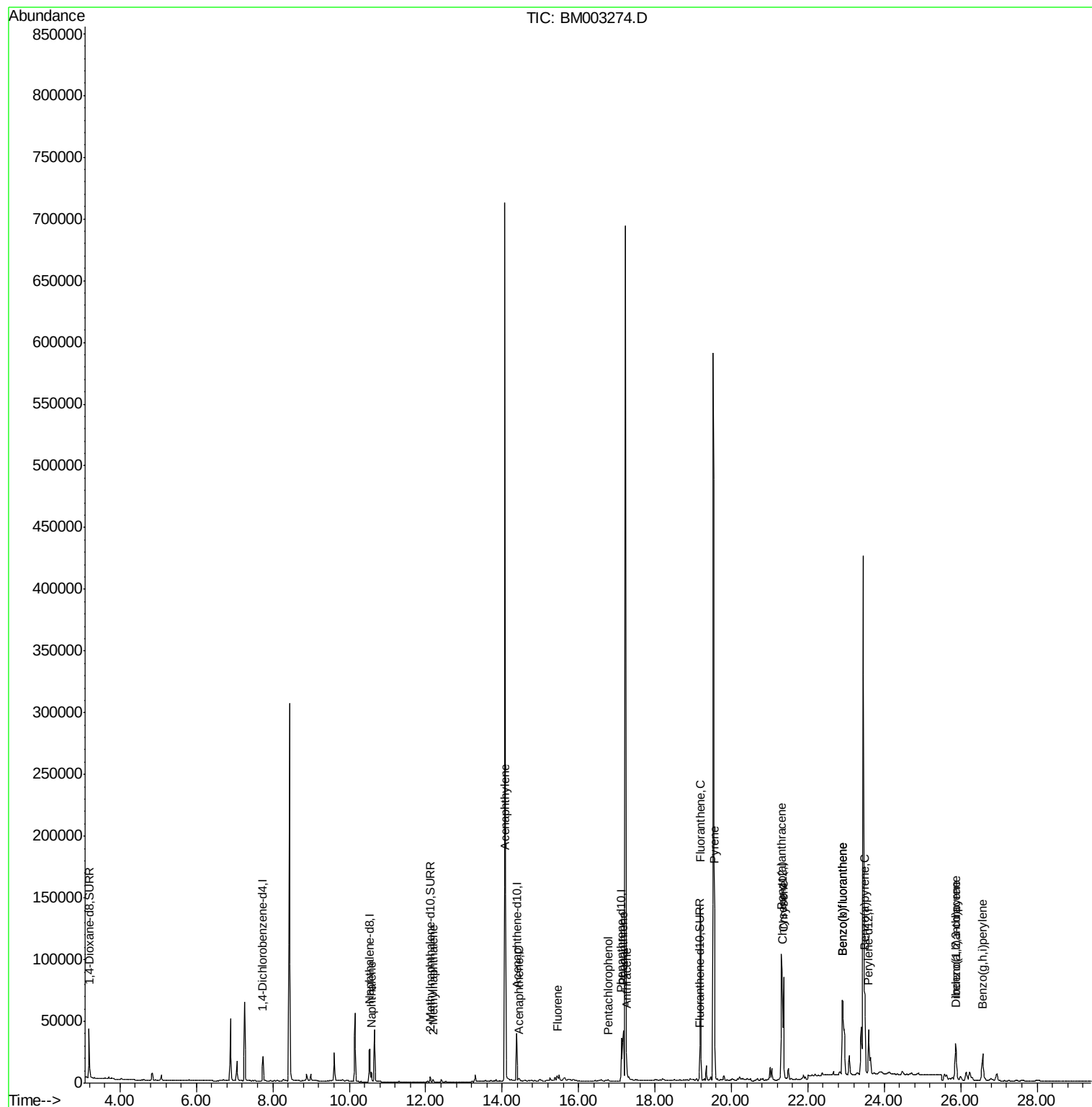
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	10796	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	42100	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	21938	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	47246	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	49571	0.40	ng/ul	0.01
22) Perylene-d12	23.60	264	48085	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	29014	2.52	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	5548	0.10	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	7614	0.07	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	11468	0.11	ng/ul#	94
7) 2-Methylnaphthalene	12.19	142	1618	0.02	ng/ul#	100
9) Acenaphthylene	14.09	152	22115	0.24	ng/ul	98
10) Acenaphthene	14.45	153	1751	0.02	ng/ul#	91
11) Fluorene	15.44	166	3992	0.05	ng/ul#	84
13) Pentachlorophenol	16.78	266	1437	0.13	ng/ul	96
14) Phenanthrene	17.17	178	58079	0.42	ng/ul	99
15) Anthracene	17.26	178	20163	0.18	ng/ul	97
17) Fluoranthene	19.19	202	153493	1.01	ng/ul	94
19) Pyrene	19.57	202	144275	0.85	ng/ul	92
20) Benzo(a)anthracene	21.31	228	87541	0.61	ng/ul#	91
21) Chrysene	21.36	228	83740	0.52	ng/ul	95
23) Benzo(b)fluoranthene	22.91	252	148934	0.81	ng/ul	97
24) Benzo(k)fluoranthene	22.91	252	148934	0.86	ng/ul#	95
25) Benzo(a)pyrene	23.49	252	81204	0.50	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	25.87	276	48745	0.25	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.89	278	12437	0.08	ng/ul#	77
28) Benzo(a,h,i)perylene	26.58	276	45745	0.27	ng/ul	98

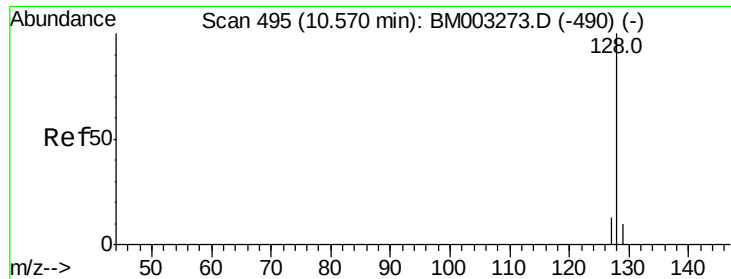
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampleId :

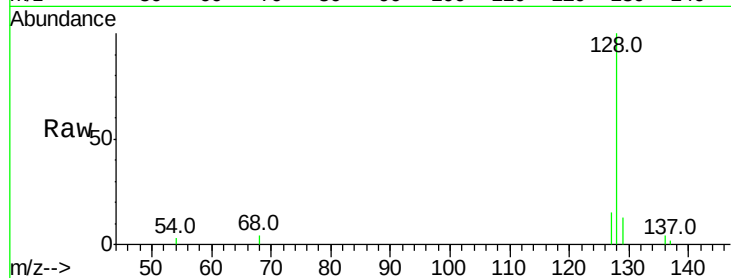
Tot Ion:128 Resp: 11468

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

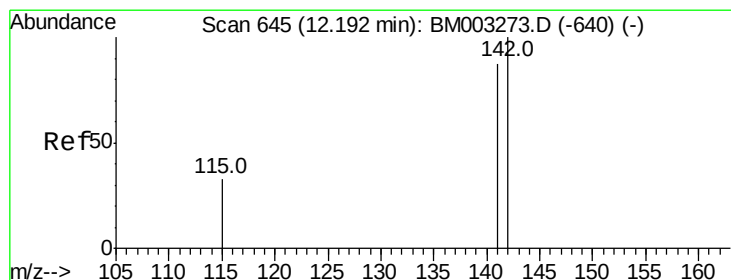
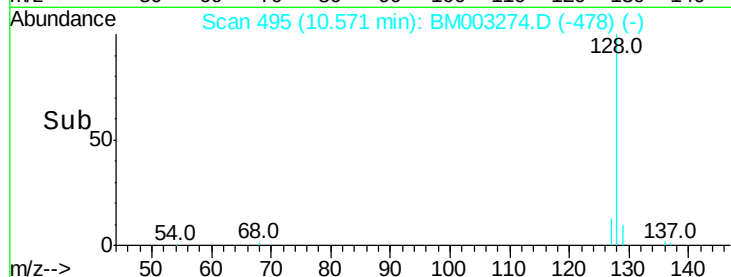
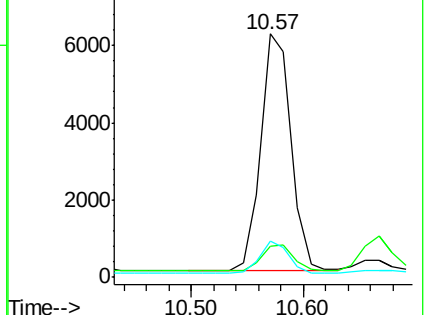
127 14.8 9.6 14.4#



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: 0.02 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003274.D

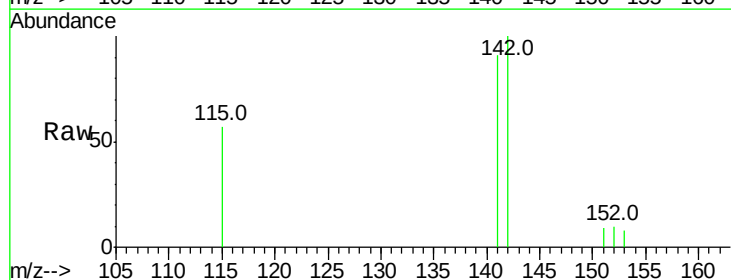
Acq: 22 Nov 2015 10:19

Tgt Ion:142 Resp: 1618

Ion Ratio Lower Upper

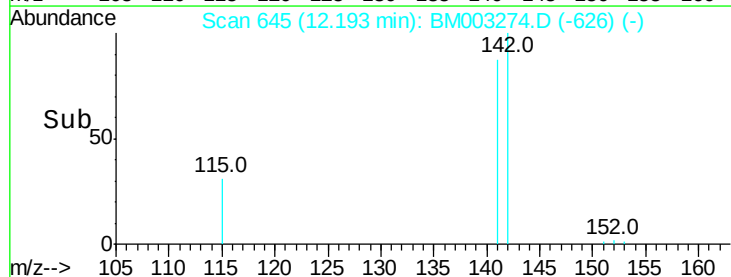
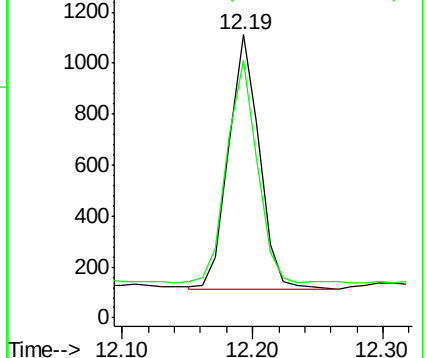
142 100

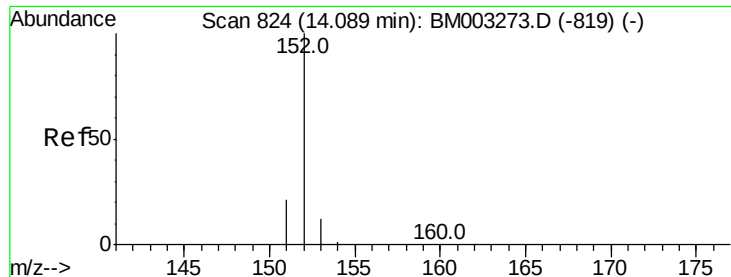
141 87.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampled :

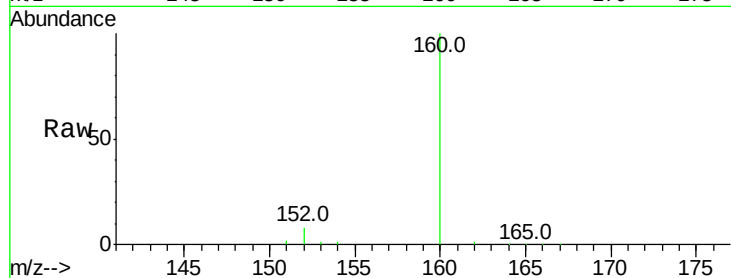
Tot Ion:152 Resp: 22115

Ion Ratio Lower Upper

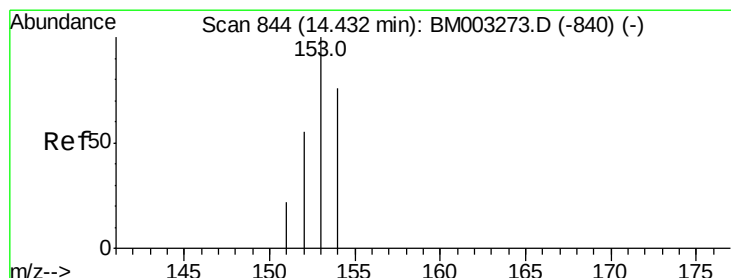
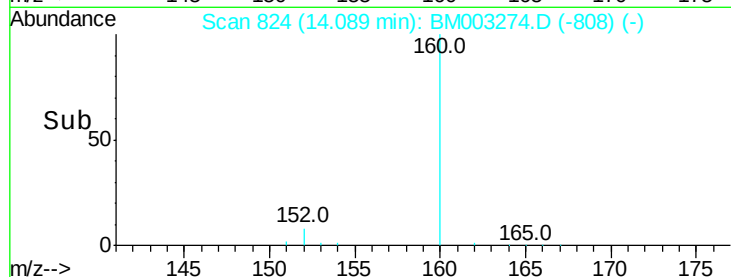
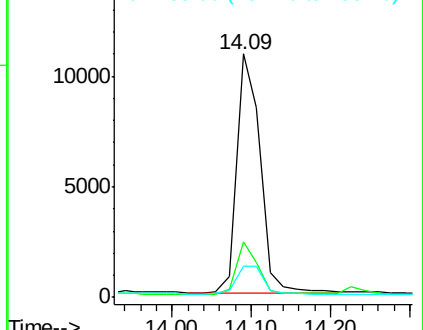
152 100

151 22.7 17.6 26.4

153 13.0 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: 0.02 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.02 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

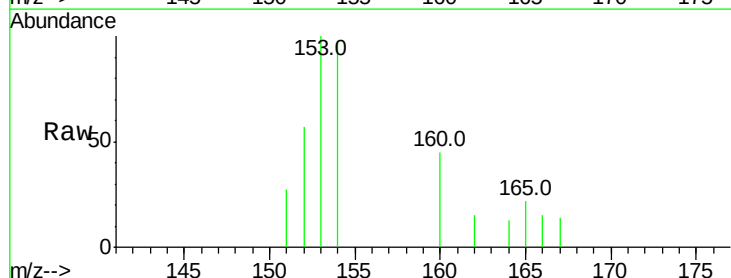
Tgt Ion:153 Resp: 1751

Ion Ratio Lower Upper

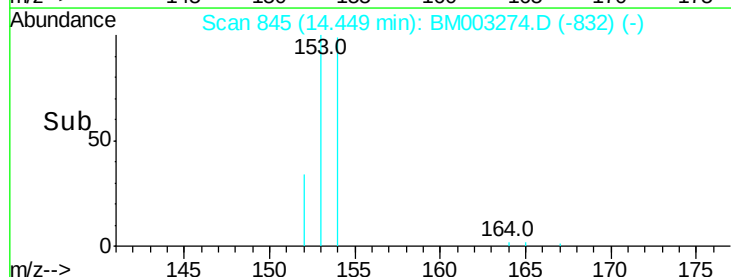
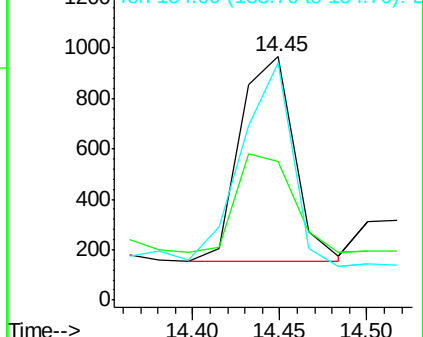
153 100

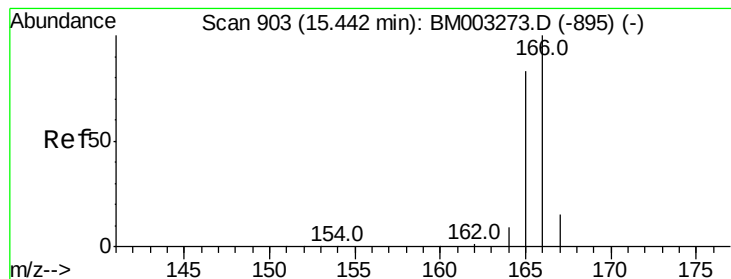
152 56.8 33.9 50.9#

154 97.3 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: 0.05 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampleId :

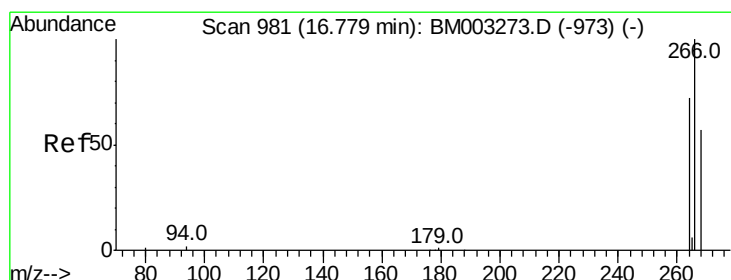
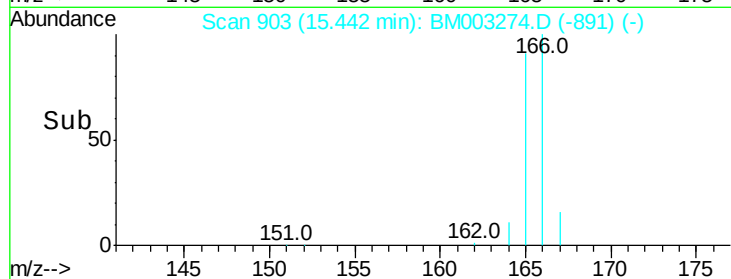
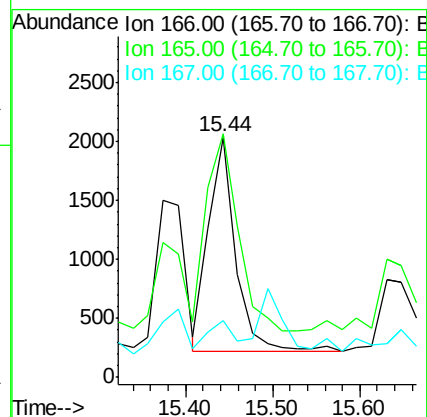
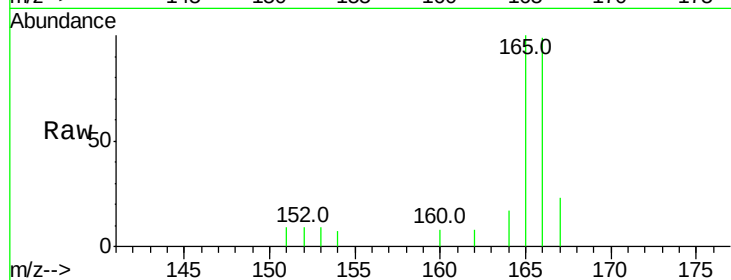
Tot Ion:166 Resp: 3992

Ion Ratio Lower Upper

166 100

165 101.3 69.6 104.4

167 23.5 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.13 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

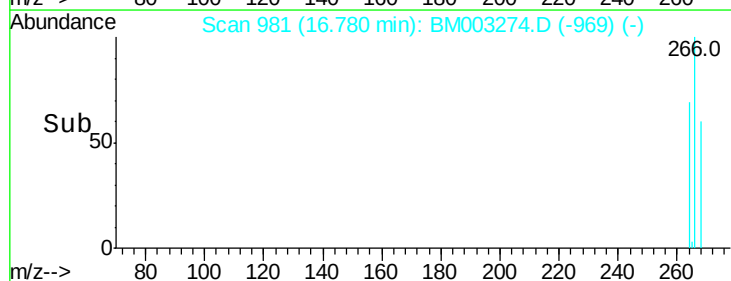
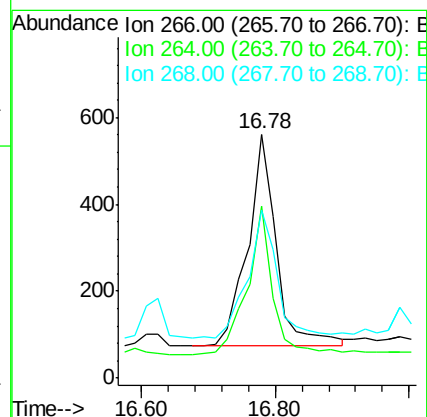
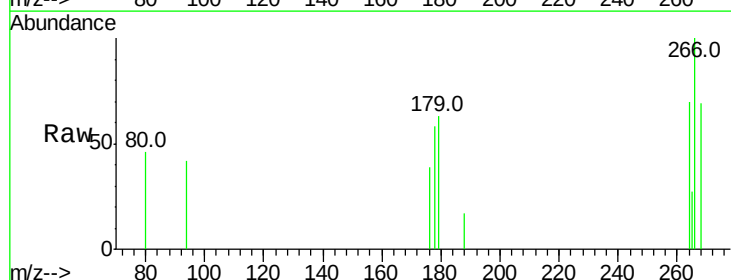
Tgt Ion:266 Resp: 1437

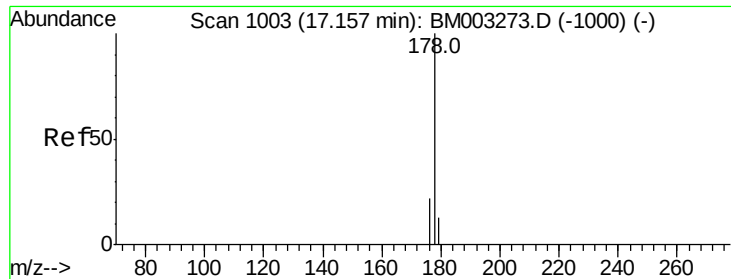
Ion Ratio Lower Upper

266 100

264 61.9 51.8 77.8

268 62.0 46.8 70.2

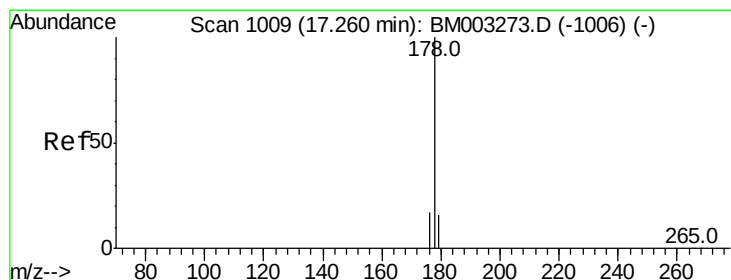
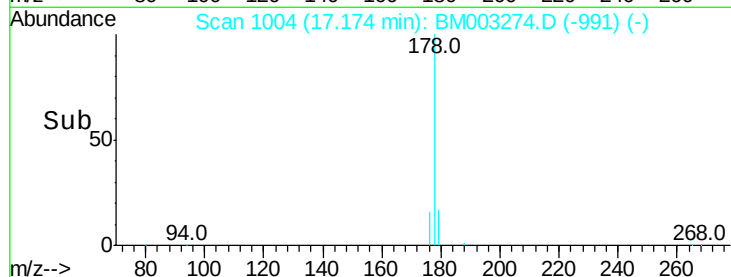
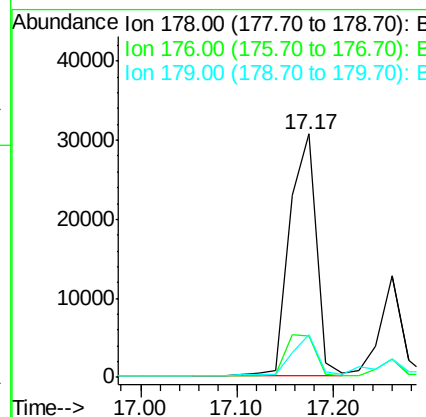
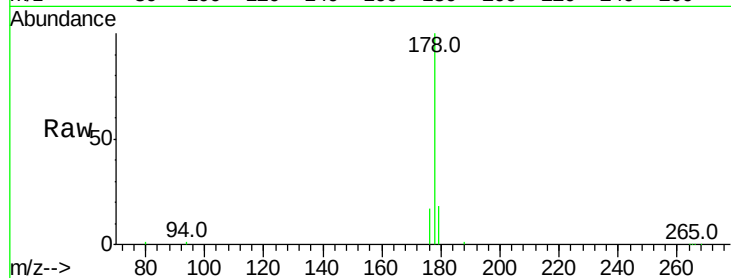




#14
Phenanthrene
Concen: 0.42 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: BM003274.D
Acq: 22 Nov 2015 10:19

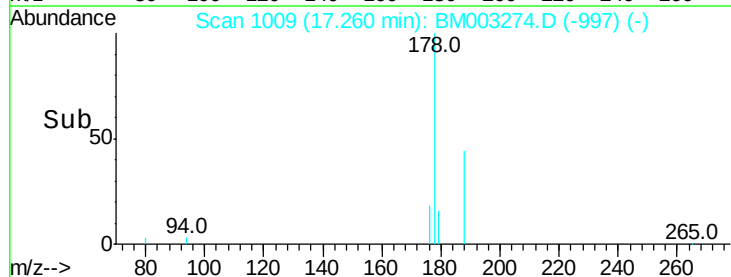
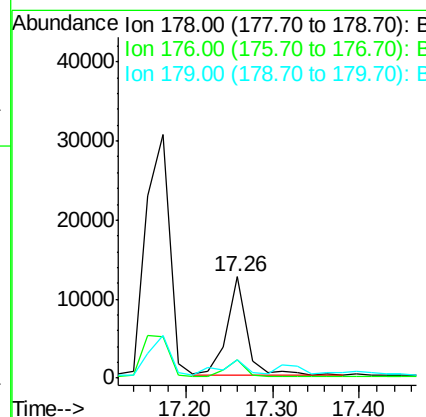
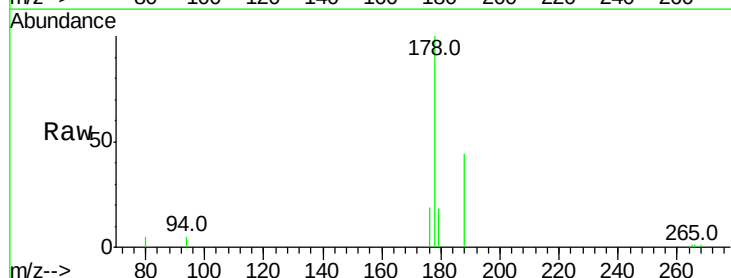
Instrument :
BNA_M
ClientSampleId :

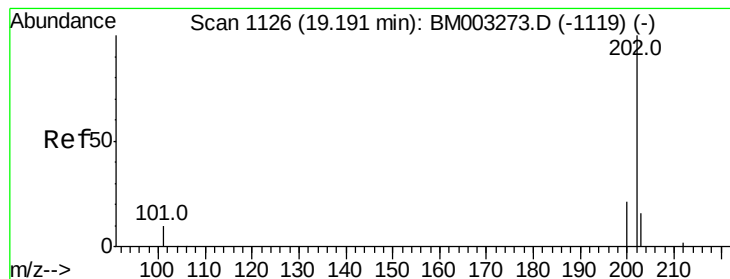
Tot Ion:178 Resp: 58079
Ion Ratio Lower Upper
178 100
176 16.8 13.0 19.4
179 17.7 14.2 21.2



#15
Anthracene
Concen: 0.18 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BM003274.D
Acq: 22 Nov 2015 10:19

Tgt Ion:178 Resp: 20163
Ion Ratio Lower Upper
178 100
176 18.6 14.0 21.0
179 17.7 12.9 19.3





#17

Fluoranthene

Concen: 1.01 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampleId :

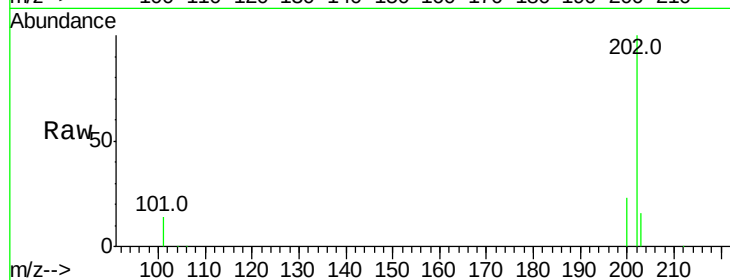
Tot Ion:202 Resp: 153493

Ion Ratio Lower Upper

202 100

101 14.1 0.0 29.6

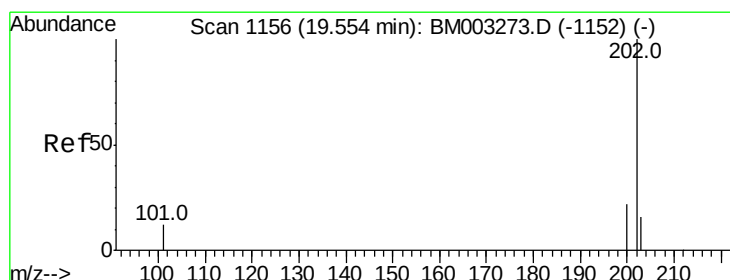
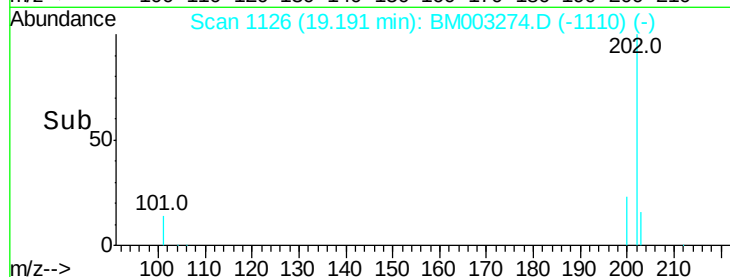
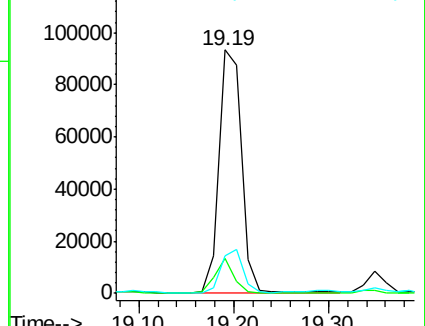
203 15.6 0.0 36.3



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: 0.85 ng/ul

RT: 19.57 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

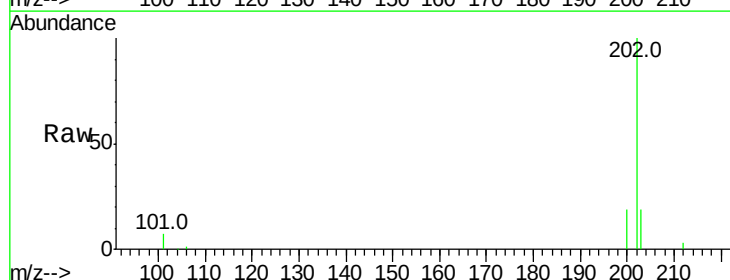
Tgt Ion:202 Resp: 144275

Ion Ratio Lower Upper

202 100

200 18.5 17.8 26.8

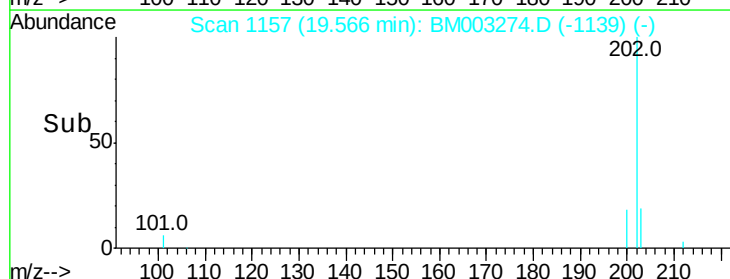
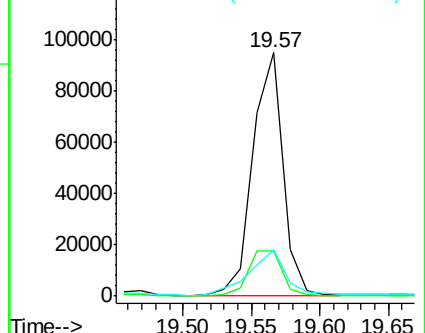
203 19.0 12.8 19.2

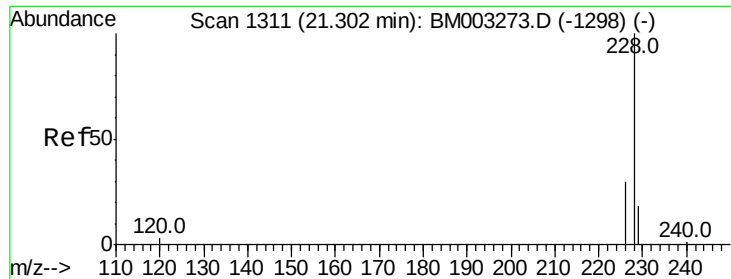


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.61 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampleId :

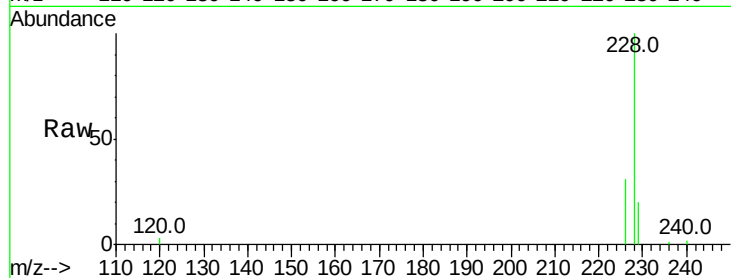
Tot Ion:228 Resp: 87541

Ion Ratio Lower Upper

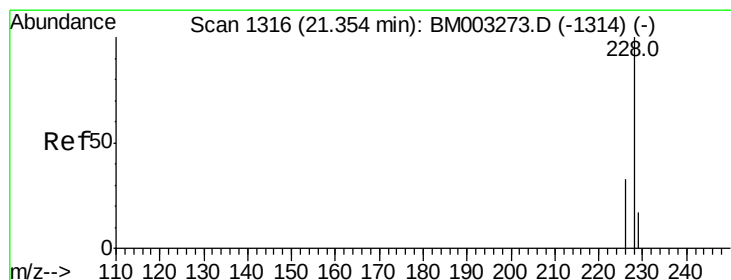
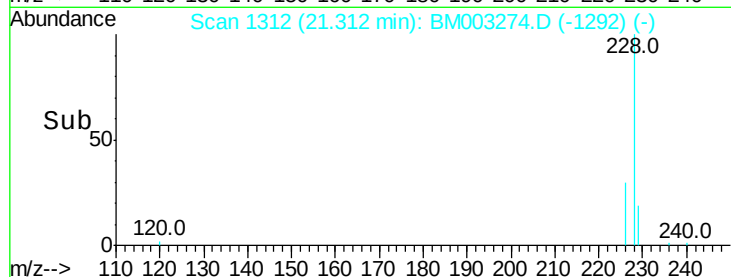
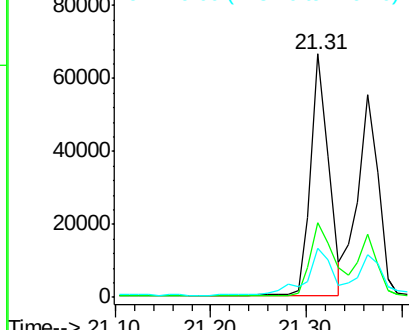
228 100

226 30.7 18.8 28.2#

229 20.0 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: 0.52 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

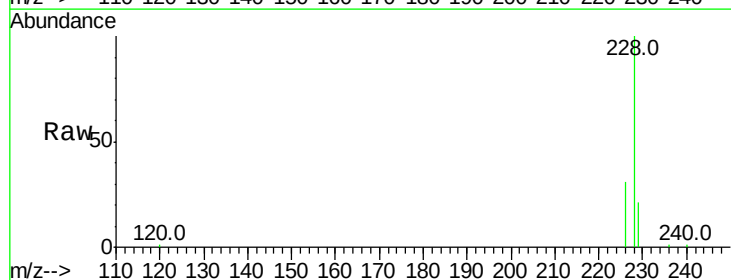
Tgt Ion:228 Resp: 83740

Ion Ratio Lower Upper

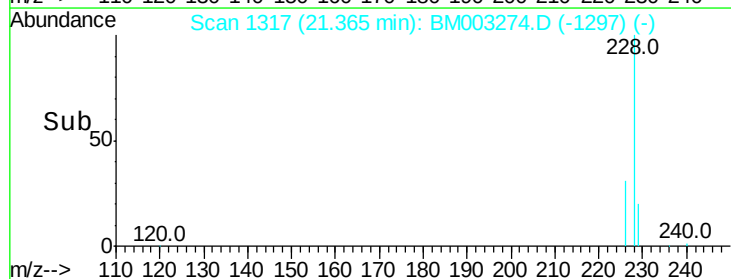
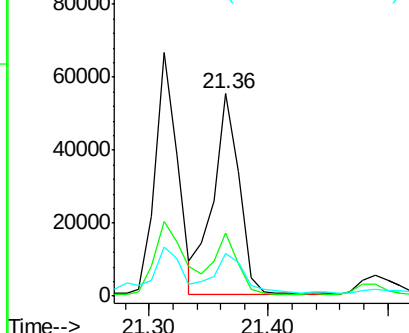
228 100

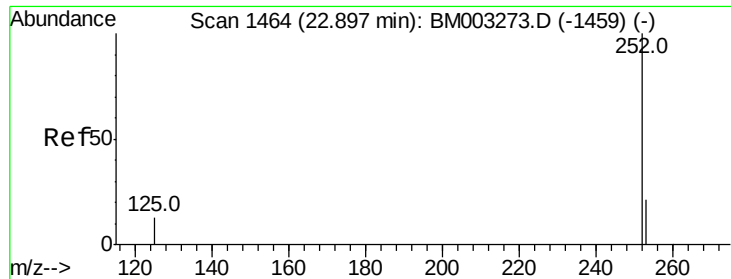
226 31.3 21.2 31.8

229 21.3 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: 0.81 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampleId :

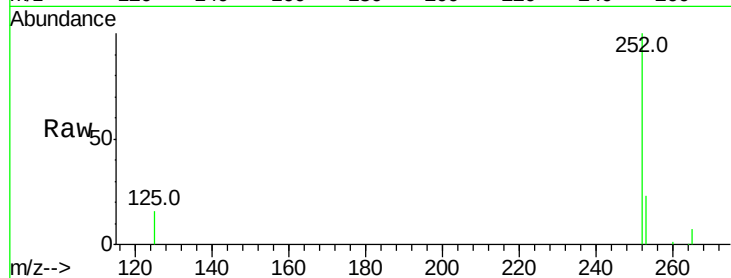
Tot Ion:252 Resp: 148934

Ion Ratio Lower Upper

252 100

253 23.4 0.0 45.4

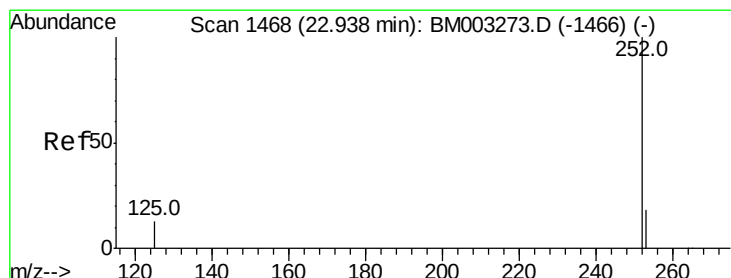
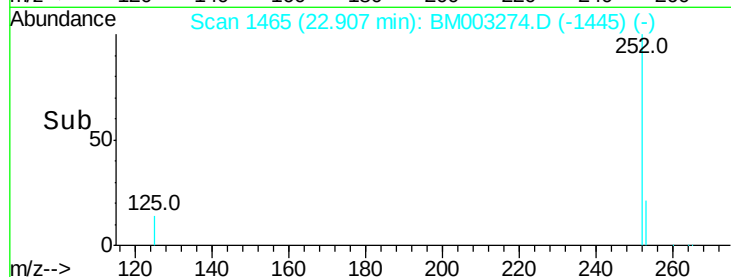
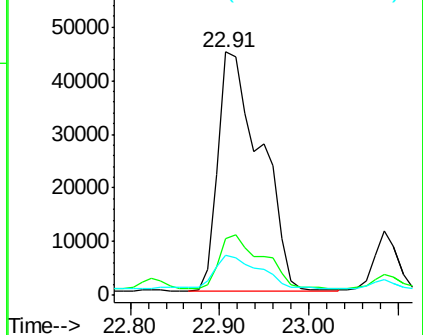
125 16.4 0.0 28.8



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: 0.86 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.03 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

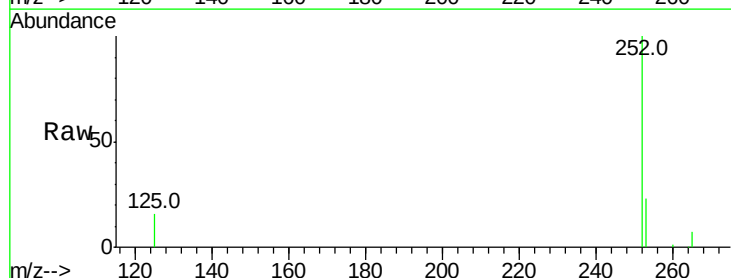
Tgt Ion:252 Resp: 148934

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

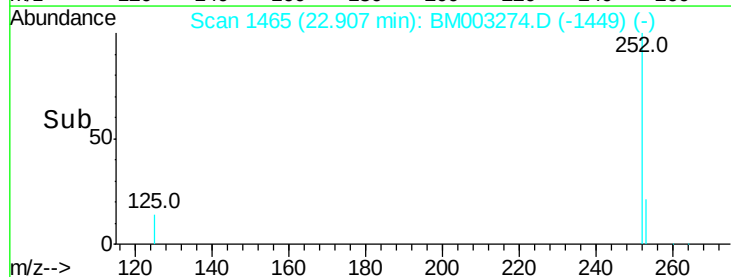
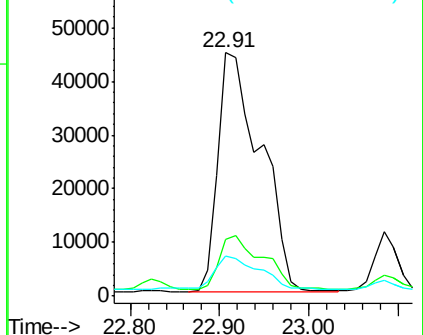
125 16.4 10.4 15.6#

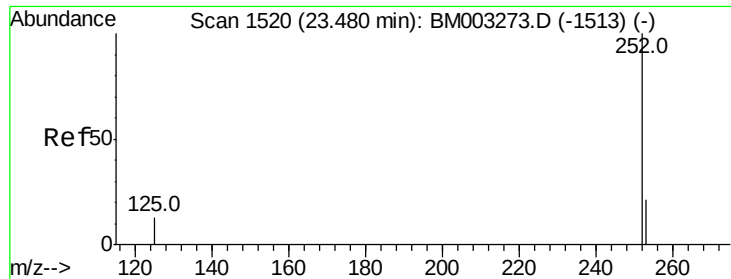


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.50 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

Instrument :

BNA_M

ClientSampled :

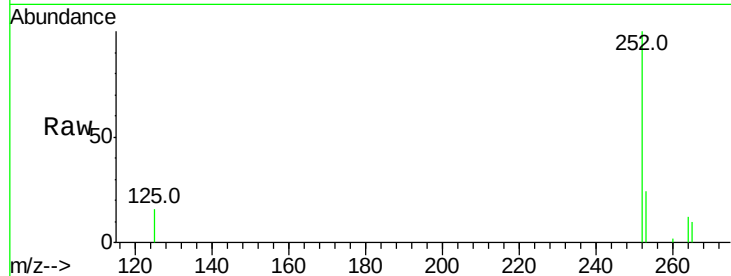
Tot Ion:252 Resp: 81204

Ion Ratio Lower Upper

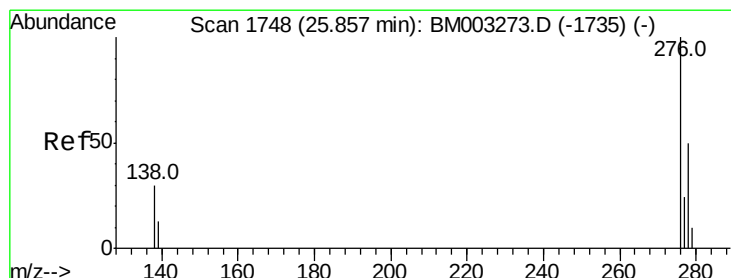
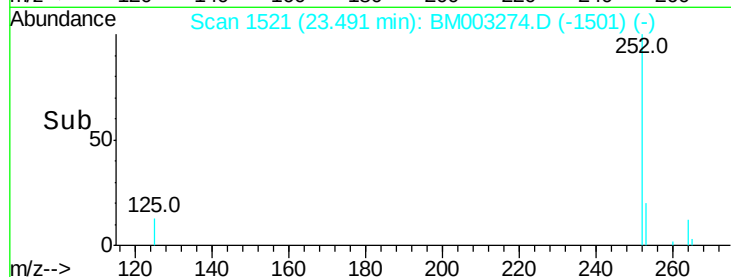
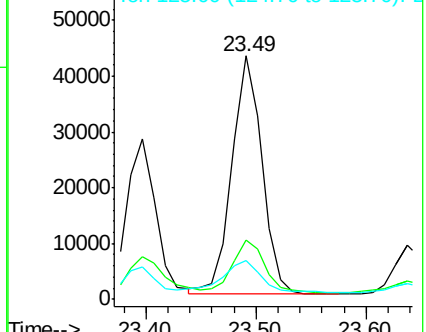
252 100

253 24.3 19.4 29.2

125 16.0 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: 0.25 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. 0.01 min

Lab File: BM003274.D

Acq: 22 Nov 2015 10:19

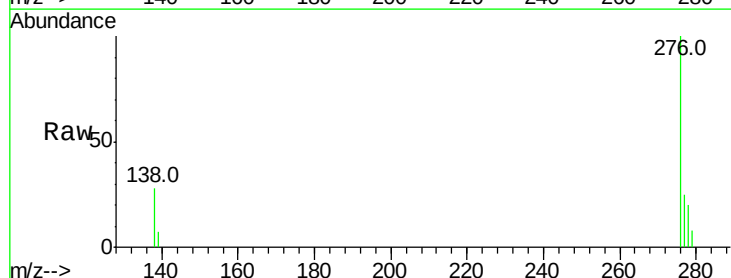
Tgt Ion:276 Resp: 48745

Ion Ratio Lower Upper

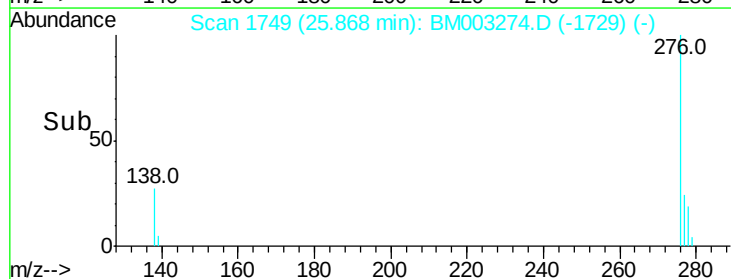
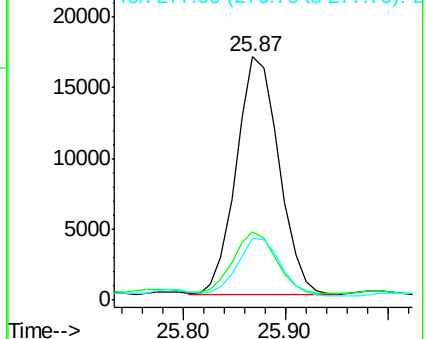
276 100

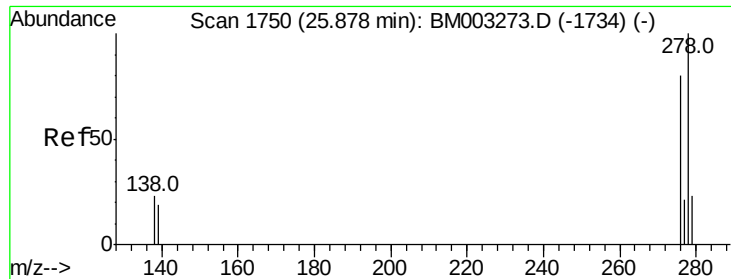
138 25.8 16.3 24.5#

277 24.6 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

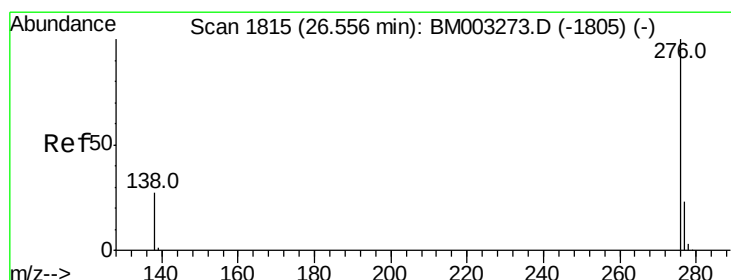
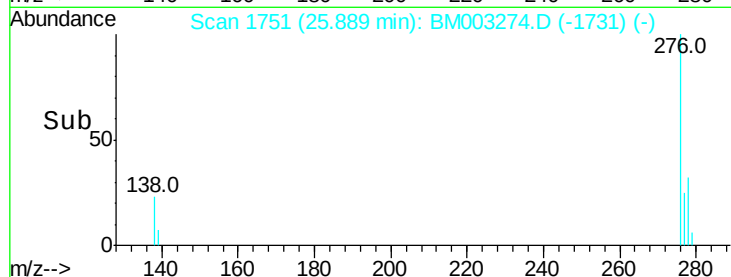
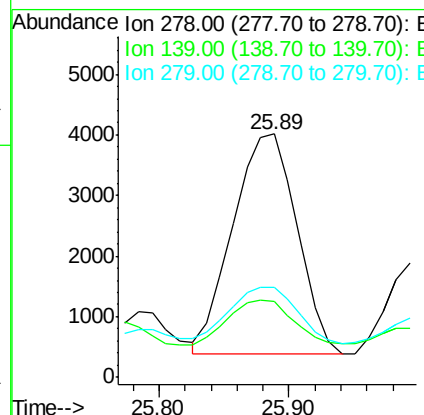
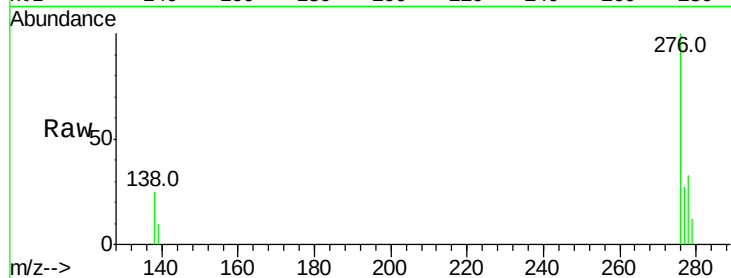




#27
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.89 min Scan# 1751
Delta R.T. 0.01 min
Lab File: BM003274.D
Acq: 22 Nov 2015 10:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 12437
Ion Ratio Lower Upper
278 100
139 31.0 16.4 24.6#
279 36.8 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.27 ng/ul
RT: 26.58 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM003274.D
Acq: 22 Nov 2015 10:19

Tgt Ion:276 Resp: 45745
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 27.7 22.5 33.7

