

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003275.D
 Acq On : 22 Nov 2015 10:55
 Operator : UM/IZ
 Sample : G4345-12DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 23 01:08:44 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

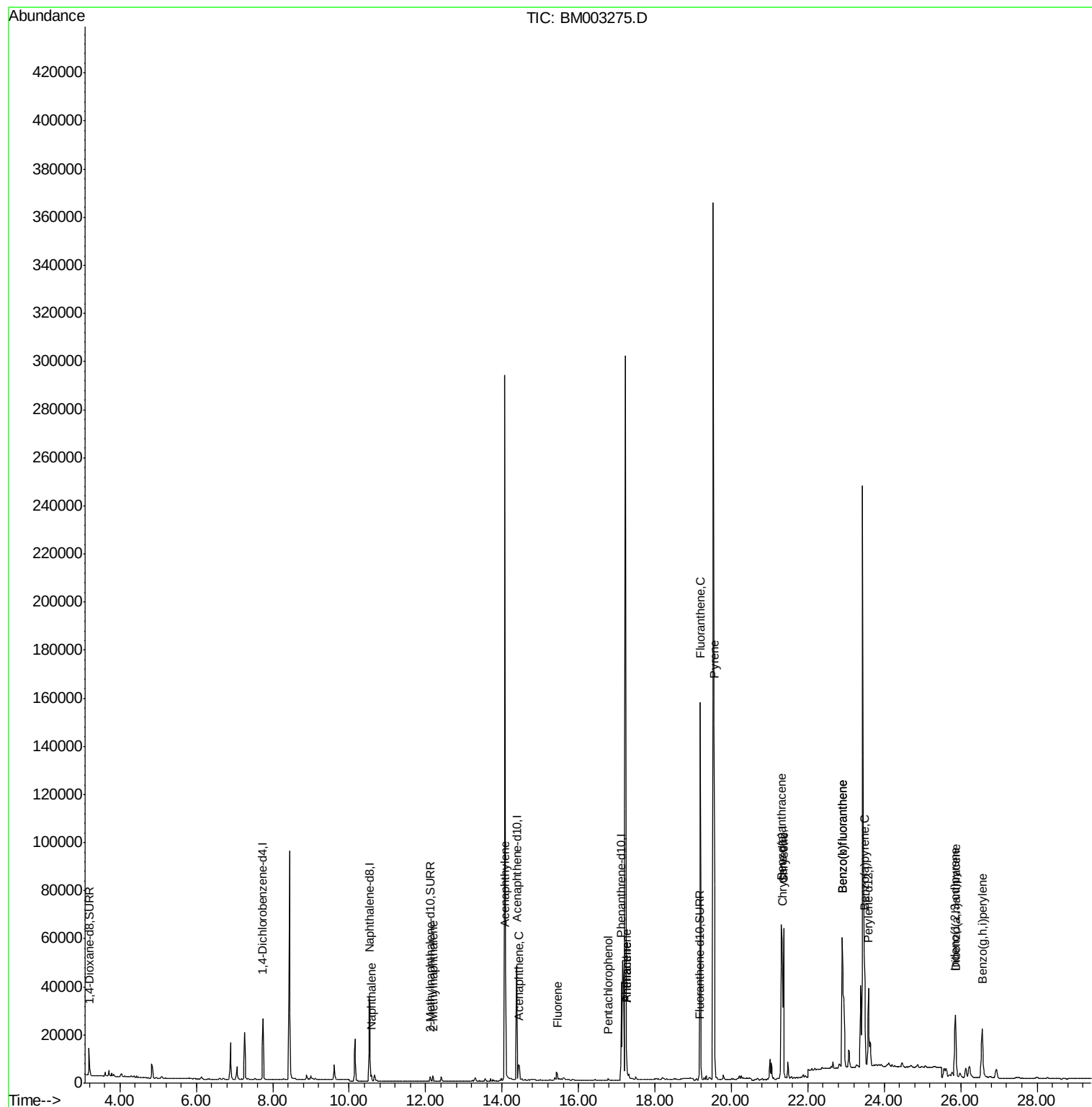
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13262	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	53372	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	26192	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	50357	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	43974	0.40	ng/ul	0.01
22) Perylene-d12	23.58	264	44029	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	8435	0.60	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	2655	0.04	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	3993	0.03	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.57	128	3615	0.03	ng/ul#	89
7) 2-Methylnaphthalene	12.19	142	1673	0.02	ng/ul#	100
9) Acenaphthylene	14.09	152	4408	0.04	ng/ul#	93
10) Acenaphthene	14.43	153	3171	0.03	ng/ul#	27
11) Fluorene	15.44	166	4224	0.04	ng/ul#	96
13) Pentachlorophenol	16.78	266	685	0.06	ng/ul	94
14) Phenanthrene	17.26	178	10679	0.07	ng/ul	96
15) Anthracene	17.26	178	12024	0.10	ng/ul	96
17) Fluoranthene	19.19	202	143770	0.89	ng/ul	99
19) Pyrene	19.55	202	131987	0.88	ng/ul	99
20) Benzo(a)anthracene	21.31	228	58741	0.46	ng/ul	95
21) Chrysene	21.36	228	63404	0.44	ng/ul	98
23) Benzo(b)fluoranthene	22.91	252	120353	0.72	ng/ul	96
24) Benzo(k)fluoranthene	22.91	252	120353	0.76	ng/ul	97
25) Benzo(a)pyrene	23.48	252	58342	0.39	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	42683	0.24	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	9728	0.07	ng/ul#	73
28) Benzo(a,h,i)perylene	26.57	276	43319	0.28	ng/ul	98

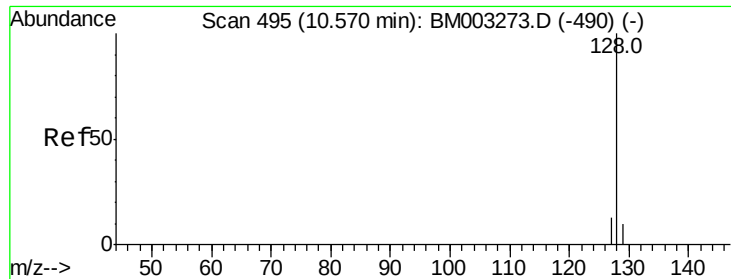
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 23 01:07:06 2015
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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

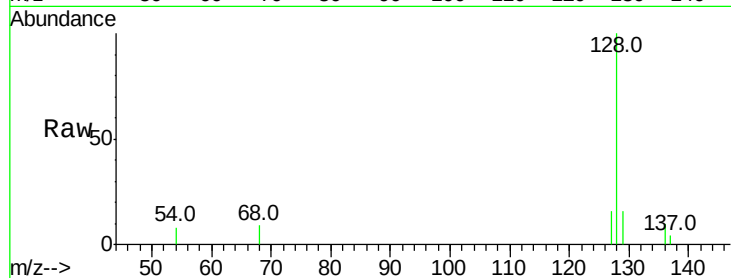
Tot Ion:128 Resp: 3615

Ion Ratio Lower Upper

128 100

129 15.7 9.0 13.6#

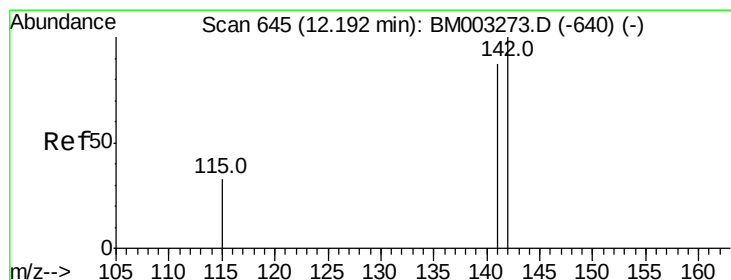
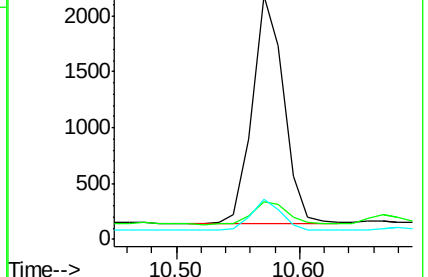
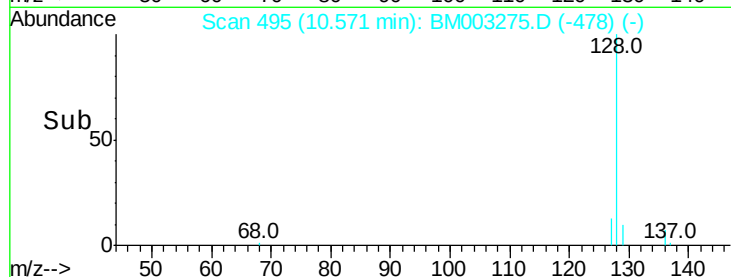
127 16.3 9.6 14.4#



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: BM003275.D

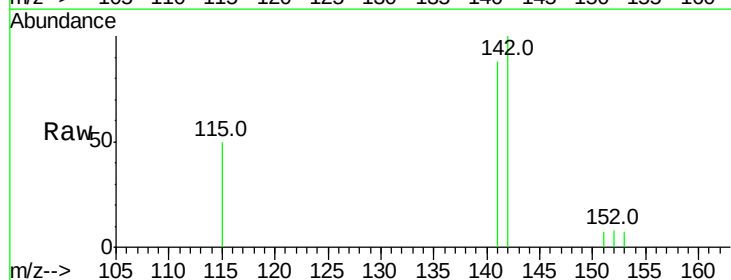
Acq: 22 Nov 2015 10:55

Tgt Ion:142 Resp: 1673

Ion Ratio Lower Upper

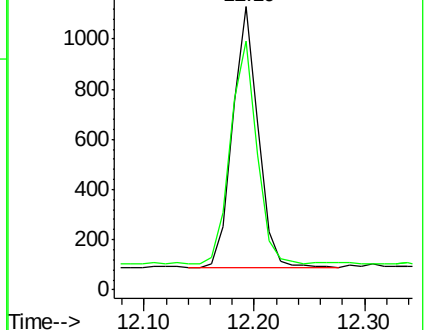
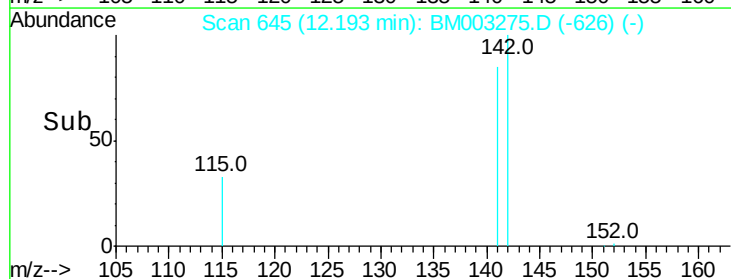
142 100

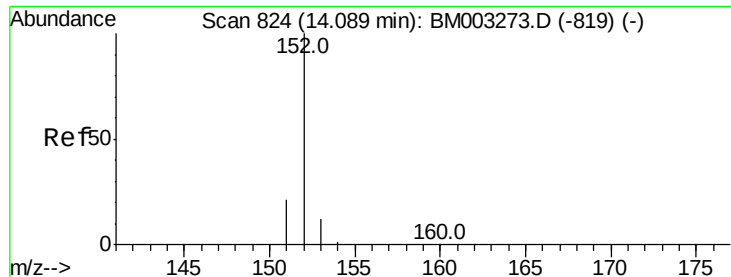
141 88.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

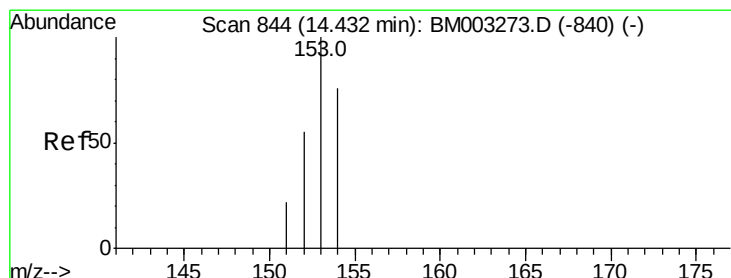
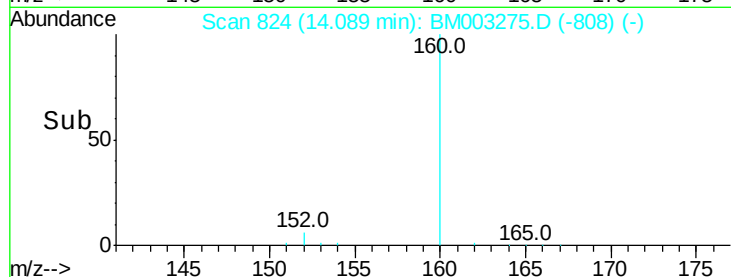
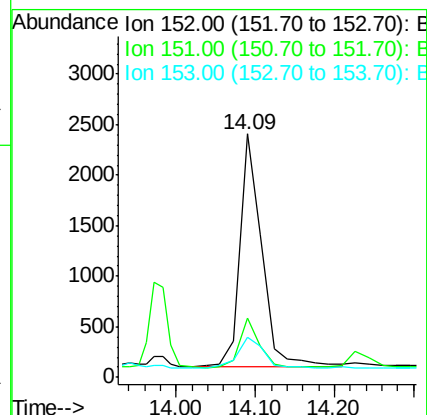
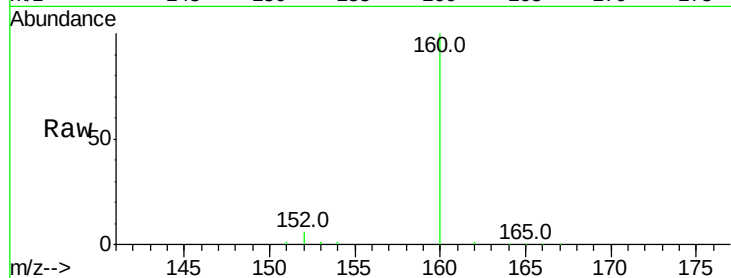
Tot Ion:152 Resp: 4408

Ion Ratio Lower Upper

152 100

151 24.5 17.6 26.4

153 16.2 9.7 14.5#



#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

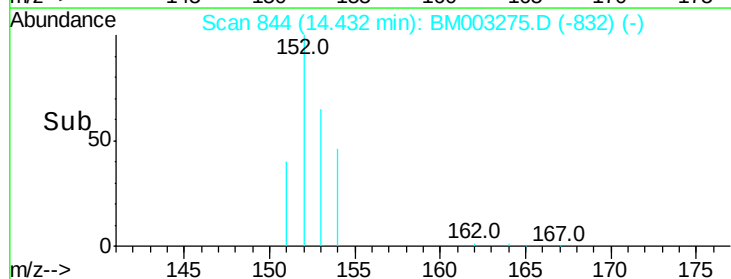
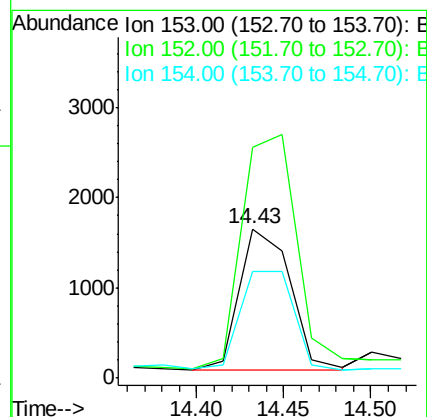
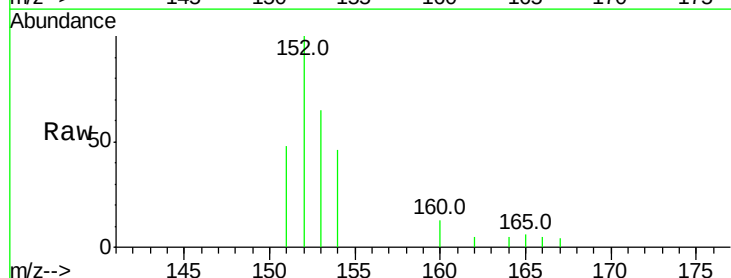
Tgt Ion:153 Resp: 3171

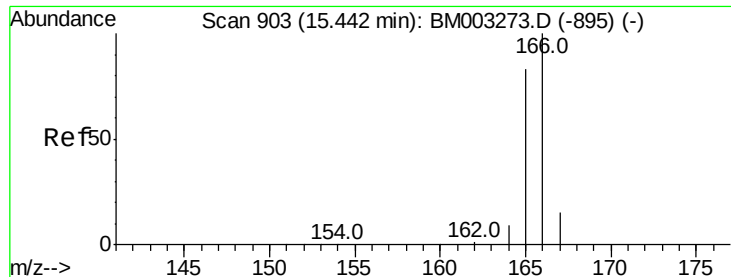
Ion Ratio Lower Upper

153 100

152 154.5 33.9 50.9#

154 71.9 80.6 121.0#





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

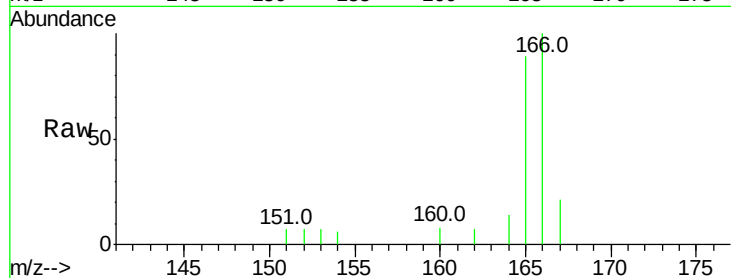
Tot Ion:166 Resp: 4224

Ion Ratio Lower Upper

166 100

165 88.7 69.6 104.4

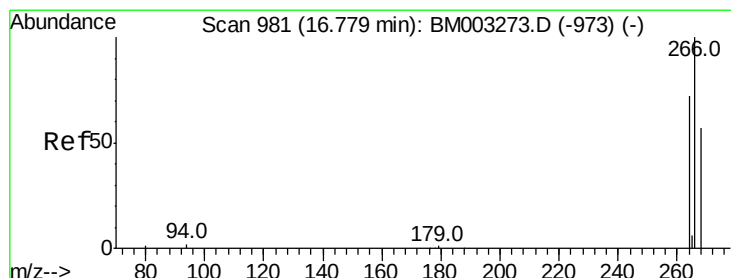
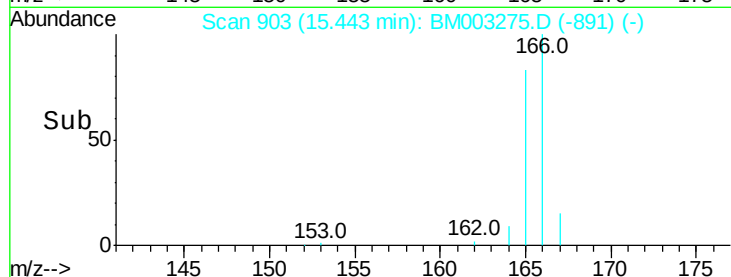
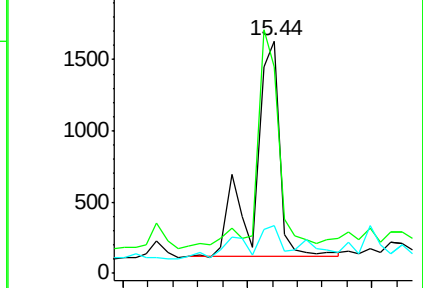
167 20.6 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.06 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

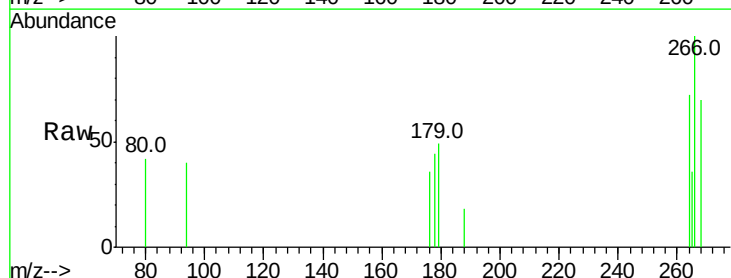
Tgt Ion:266 Resp: 685

Ion Ratio Lower Upper

266 100

264 61.0 51.8 77.8

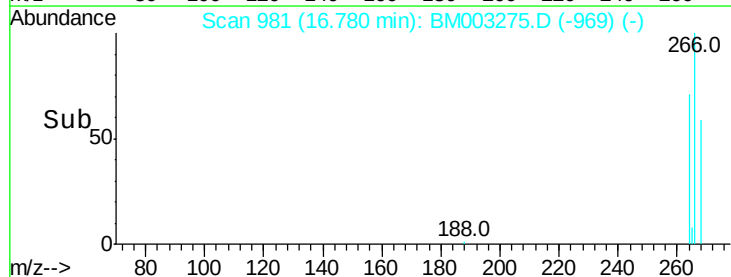
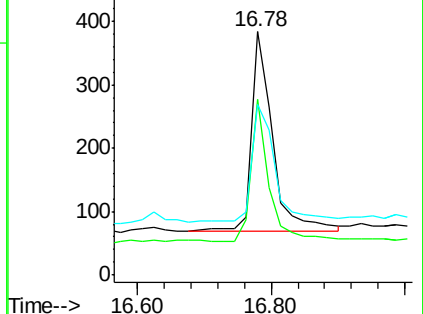
268 63.2 46.8 70.2

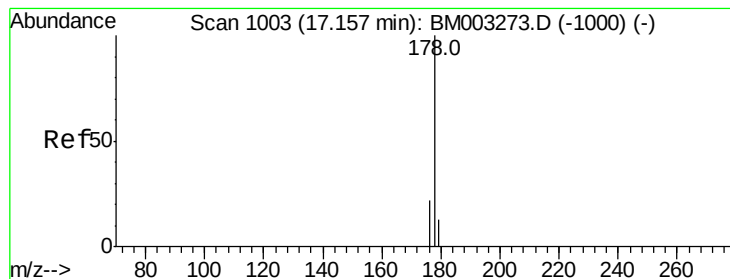


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

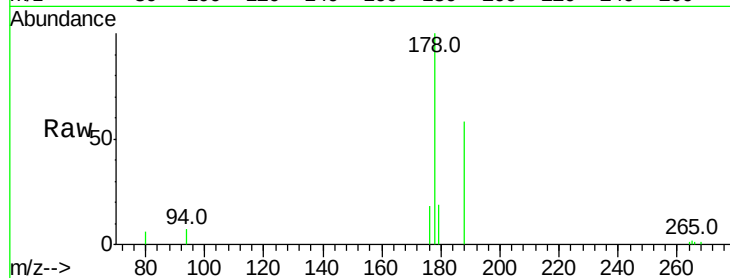
Tot Ion:178 Resp: 10679

Ion Ratio Lower Upper

178 100

176 18.0 13.0 19.4

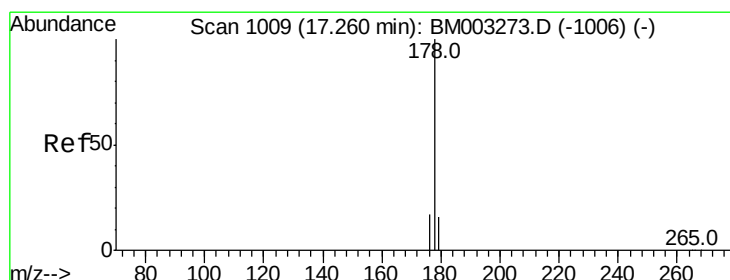
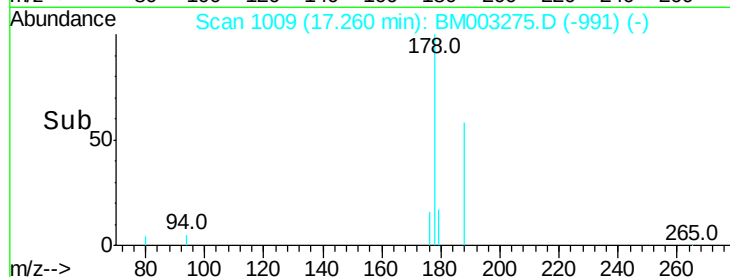
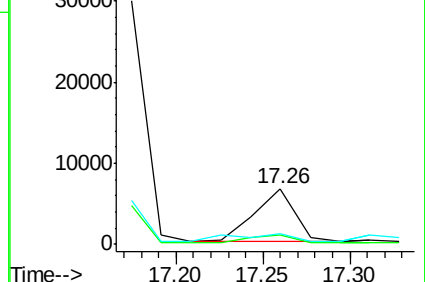
179 18.9 14.2 21.2



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: 0.10 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

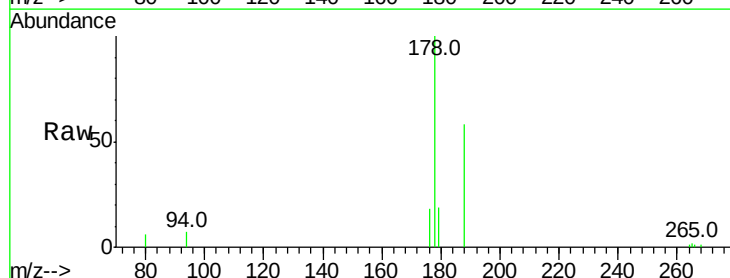
Tgt Ion:178 Resp: 12024

Ion Ratio Lower Upper

178 100

176 18.0 14.0 21.0

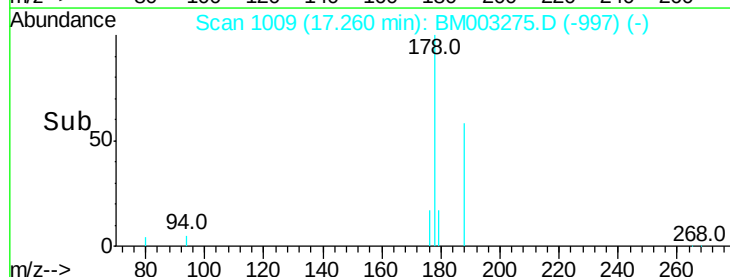
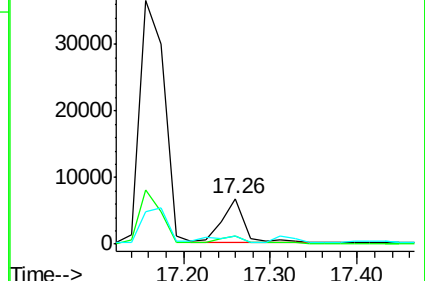
179 18.9 12.9 19.3

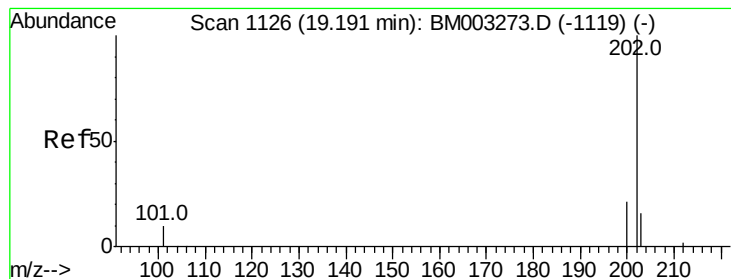


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.89 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

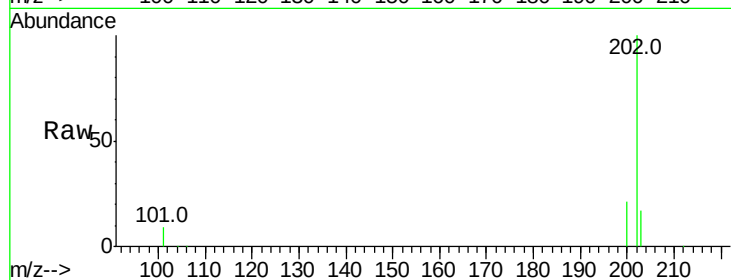
Tot Ion:202 Resp: 143770

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

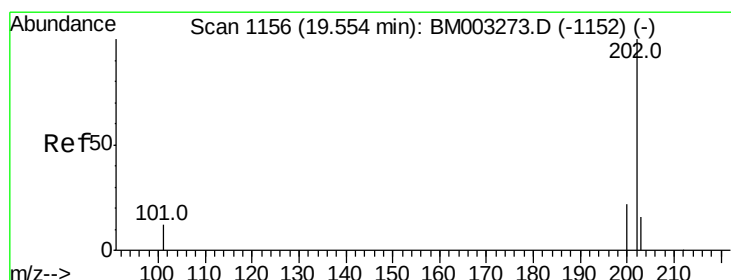
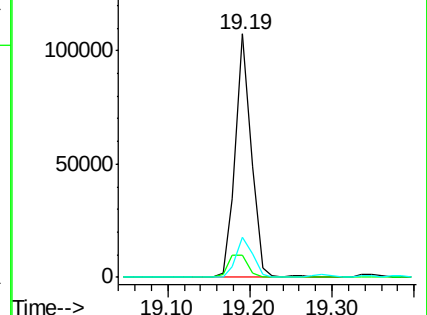
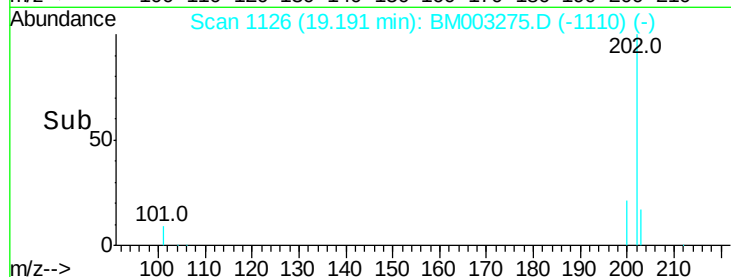
203 16.7 0.0 36.3



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: 0.88 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

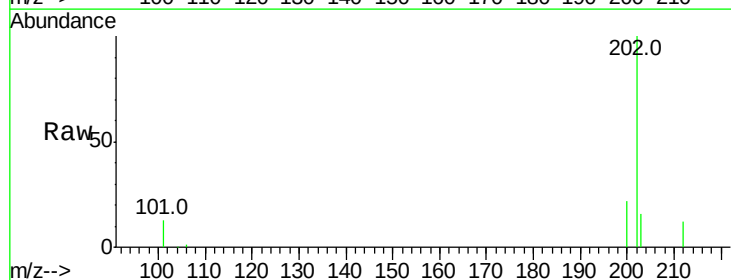
Tgt Ion:202 Resp: 131987

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.8

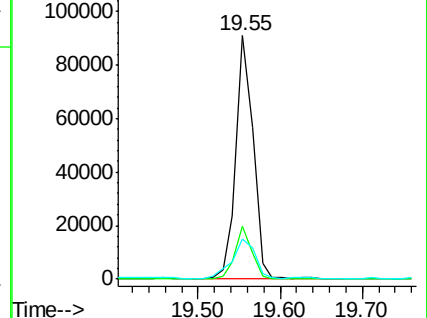
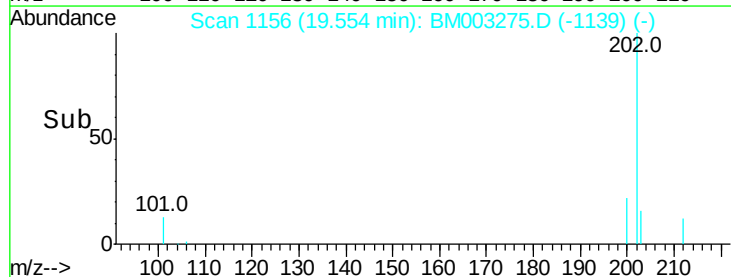
203 16.5 12.8 19.2

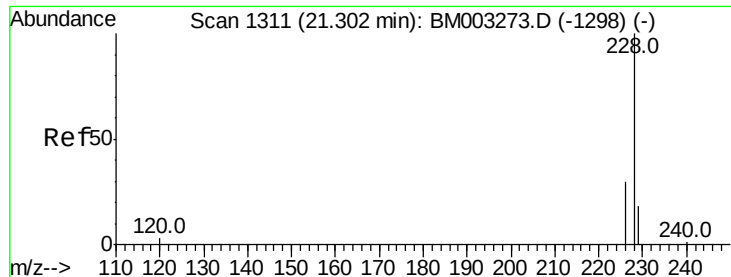


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

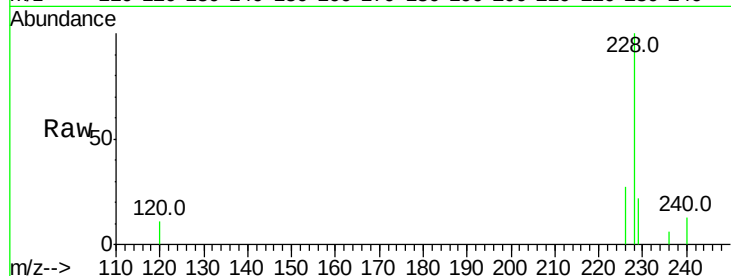
Tot Ion:228 Resp: 58741

Ion Ratio Lower Upper

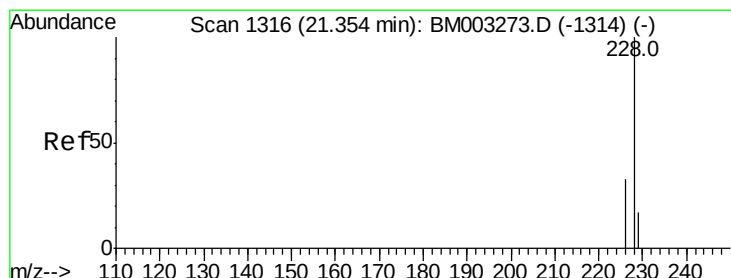
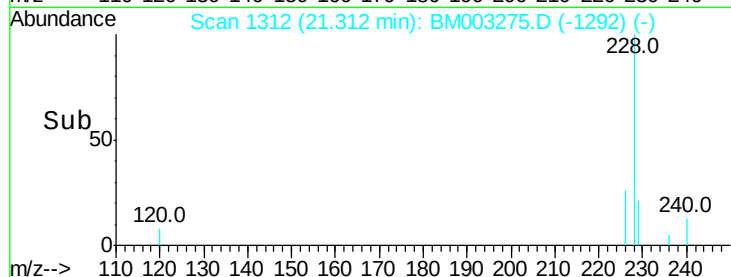
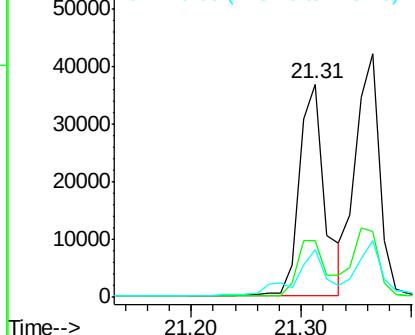
228 100

226 26.9 18.8 28.2

229 22.4 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: 0.44 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

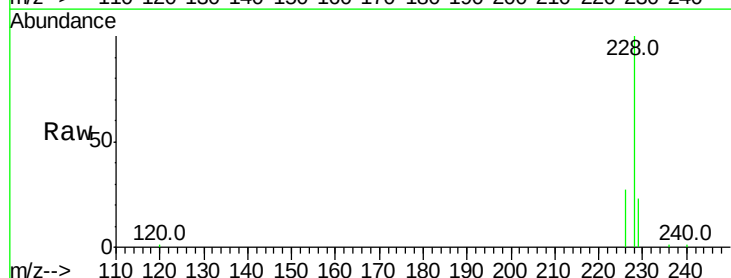
Tgt Ion:228 Resp: 63404

Ion Ratio Lower Upper

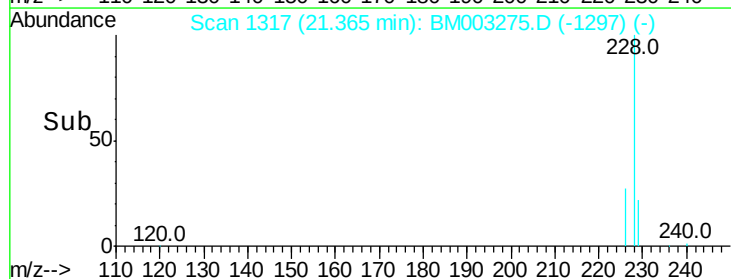
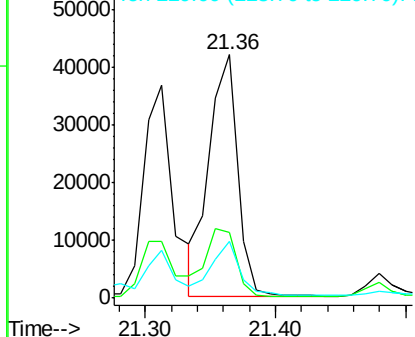
228 100

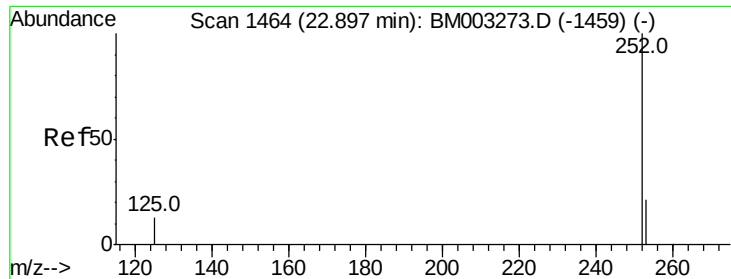
226 27.2 21.2 31.8

229 23.1 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: 0.72 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

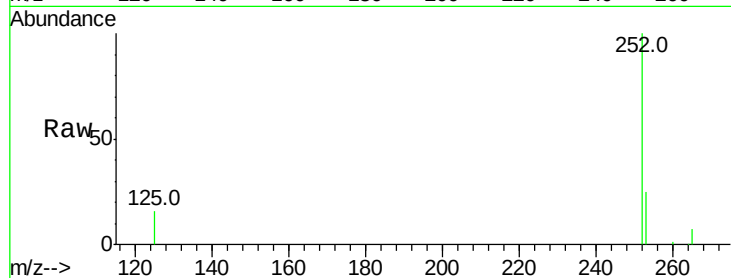
Tot Ion:252 Resp: 120353

Ion Ratio Lower Upper

252 100

253 25.2 0.0 45.4

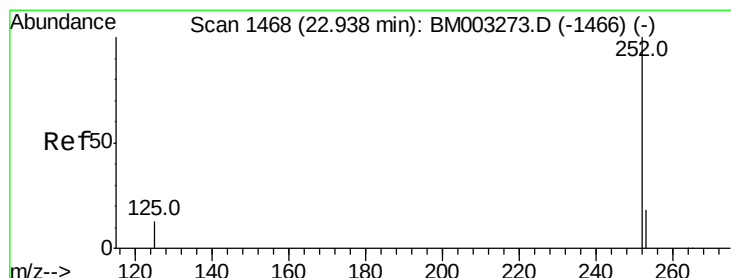
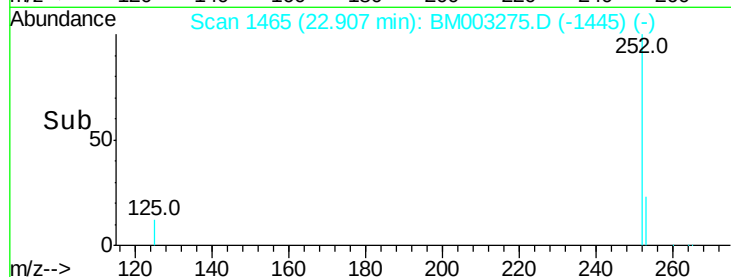
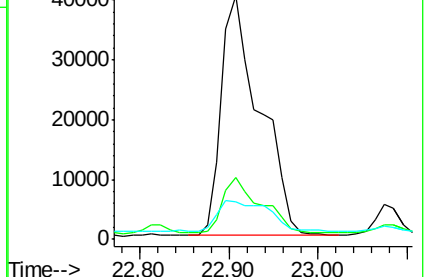
125 15.5 0.0 28.8



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: 0.76 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.03 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

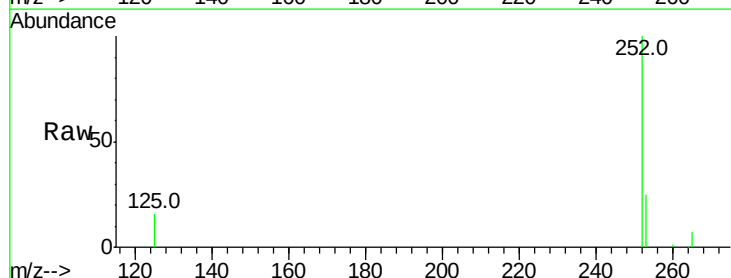
Tgt Ion:252 Resp: 120353

Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.8

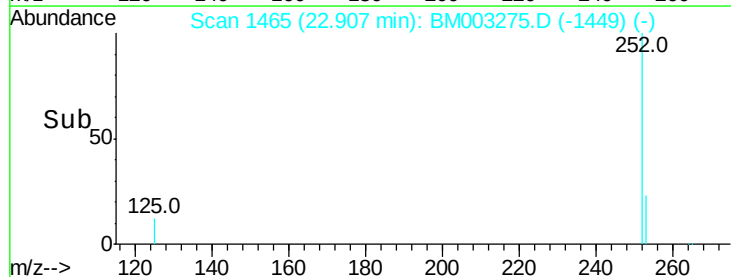
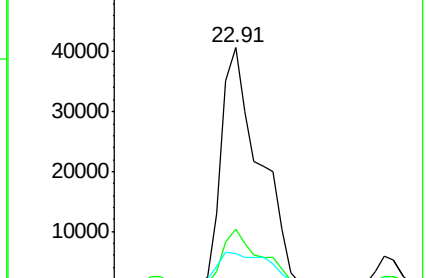
125 15.5 10.4 15.6

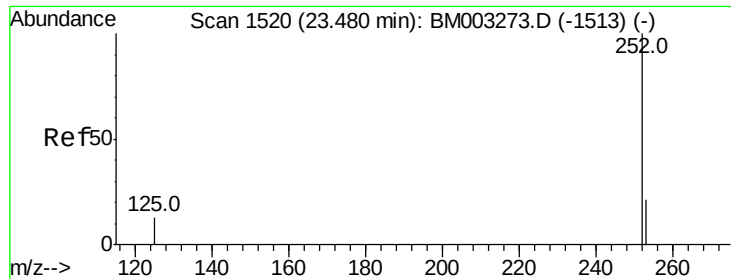


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

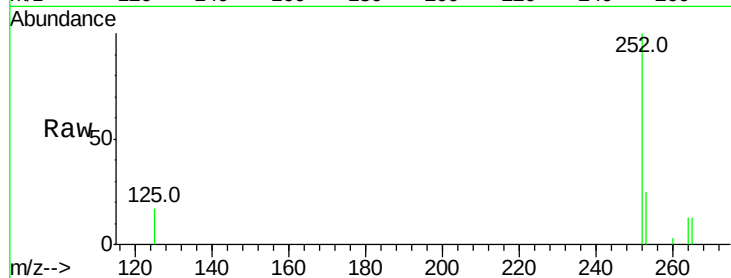
Tot Ion:252 Resp: 58342

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.2

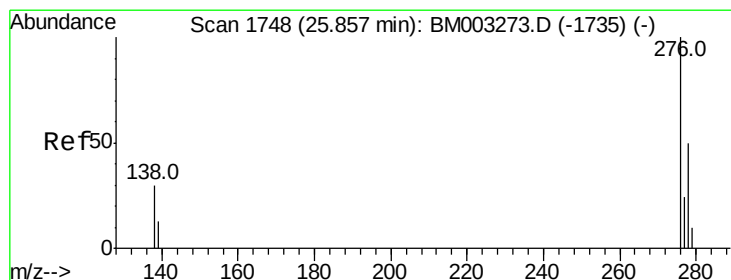
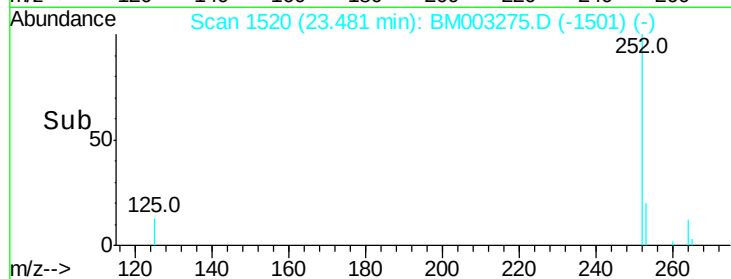
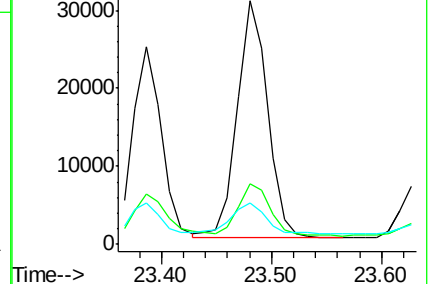
125 17.2 12.7 19.1



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: 0.24 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

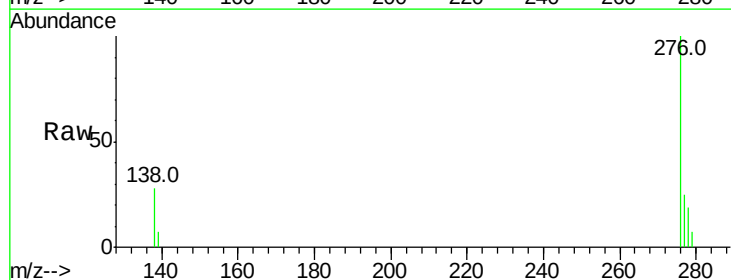
Tgt Ion:276 Resp: 42683

Ion Ratio Lower Upper

276 100

138 25.3 16.3 24.5#

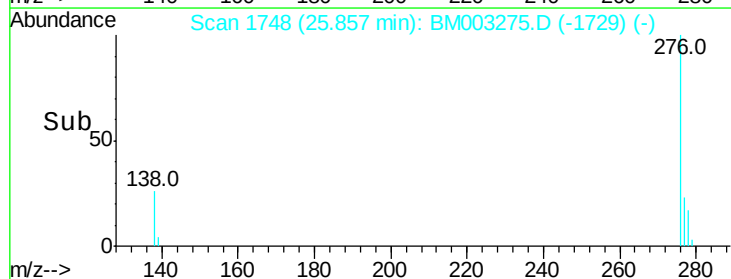
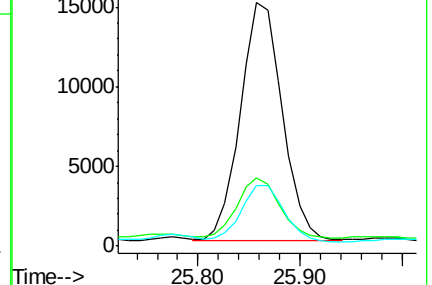
277 24.0 19.8 29.8

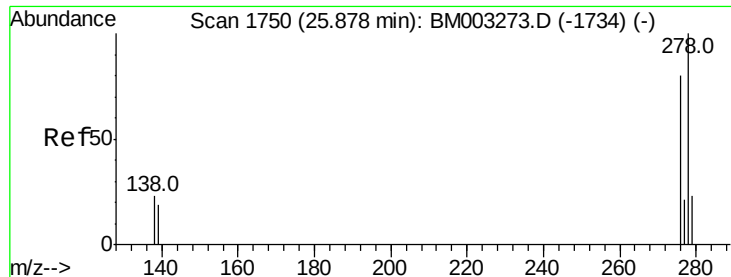


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

Instrument :

BNA_M

ClientSampleId :

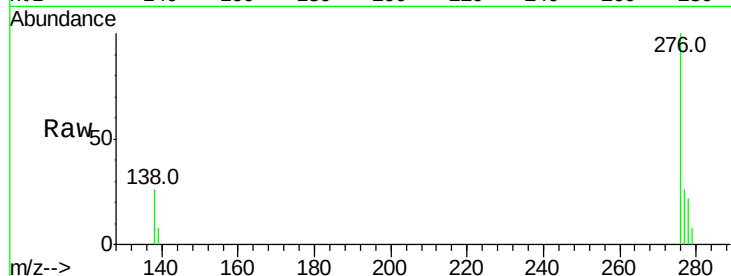
Tot Ion:278 Resp: 9728

Ion Ratio Lower Upper

278 100

139 35.6 16.4 24.6#

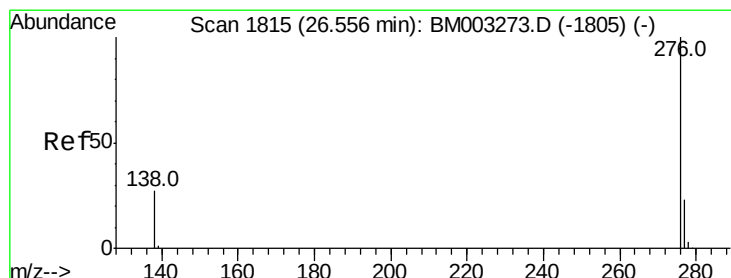
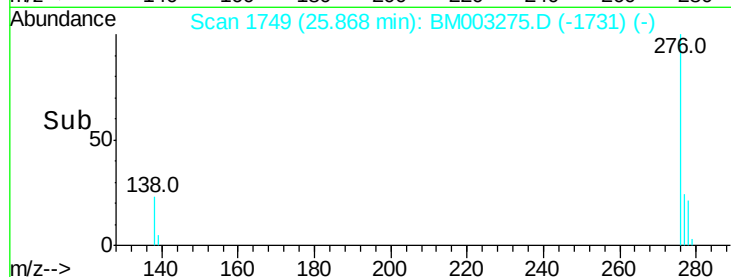
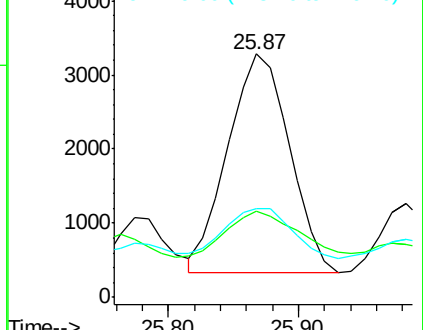
279 36.7 20.2 30.2#



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(g,h,i)perylene

Concen: 0.28 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM003275.D

Acq: 22 Nov 2015 10:55

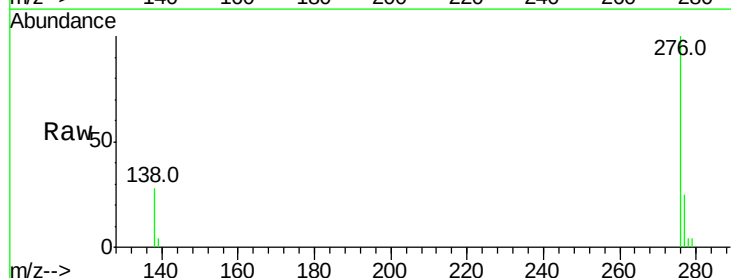
Tgt Ion:276 Resp: 43319

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 27.8 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

