

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003267.D
 Acq On : 22 Nov 2015 02:28
 Operator : UM/IZ
 Sample : G4345-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J53

Quant Time: Nov 22 04:48:44 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 : Sun Nov 22 04:42:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12711	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48753	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27244	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3281228	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	55207	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	2934397	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	75229	5.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	18357	0.28	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	33835	0.00	ng/ul	0.00

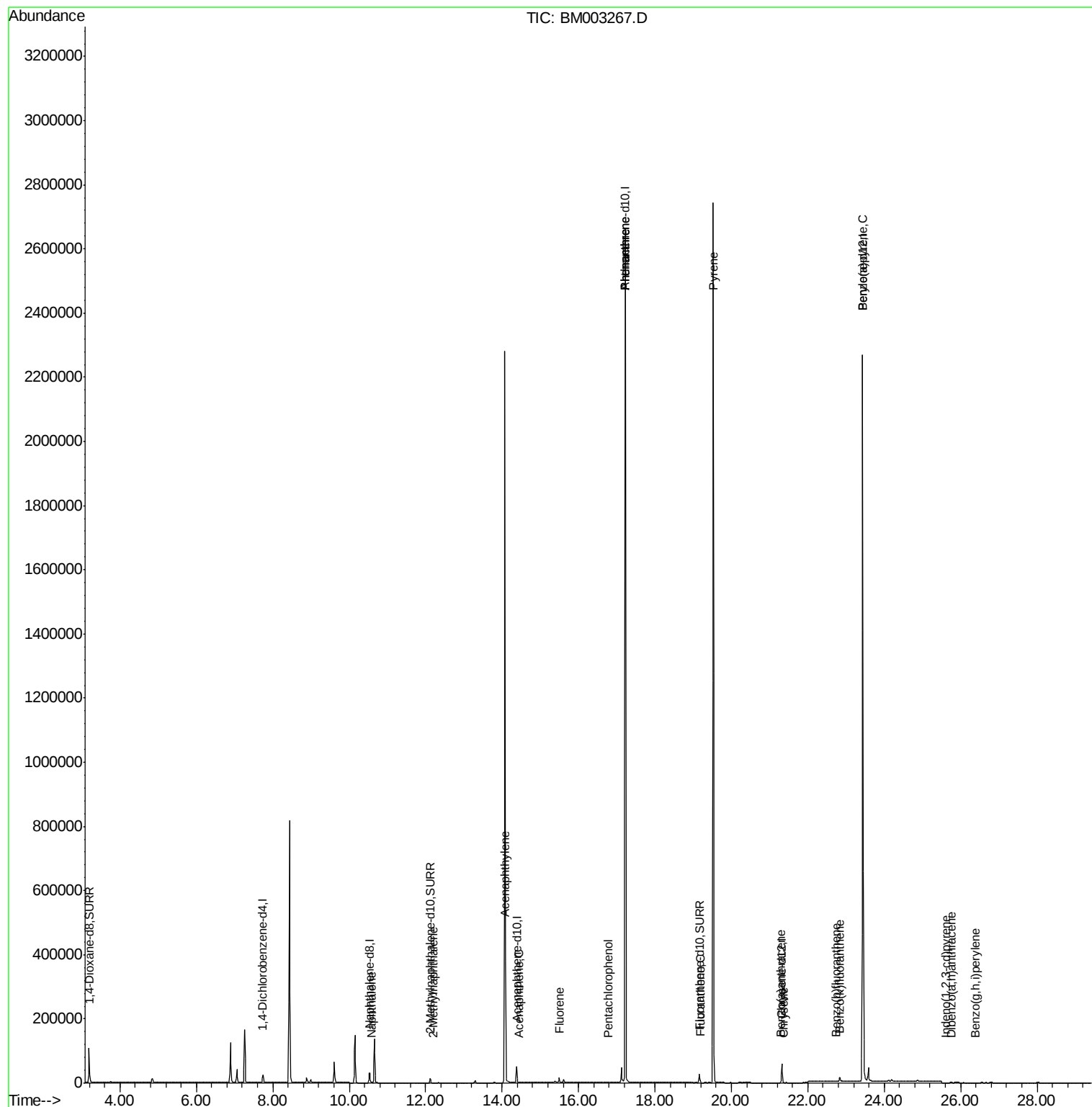
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	3364	0.03	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	212	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	956	0.01	ng/ul#	31
10) Acenaphthene	14.43	153	389	0.00	ng/ul#	77
11) Fluorene	15.49	166	296	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	622	0.00	ng/ul	95
14) Phenanthrene	17.23	178	2160	0.00	ng/ul#	1
15) Anthracene	17.23	178	2099	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	5396	0.00	ng/ul	89
19) Pyrene	19.53	202	8087	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.30	228	1758	0.01	ng/ul#	67
21) Chrysene	21.35	228	1145	0.01	ng/ul#	64
23) Benzo(b)fluoranthene	22.73	252	33	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	73	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	12439	0.00	ng/ul#	55
26) Indeno(1,2,3-cd)pyrene	25.62	276	51	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.75	278	69	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.38	276	31	0.00	ng/ul#	1

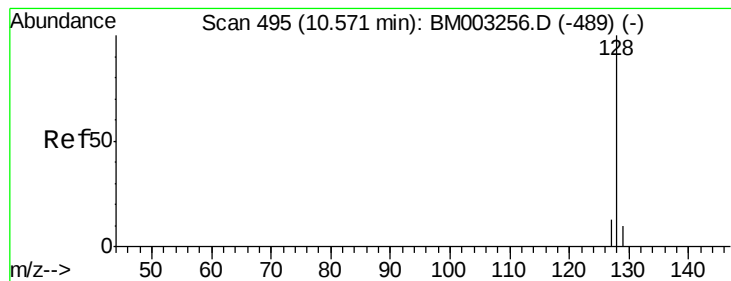
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

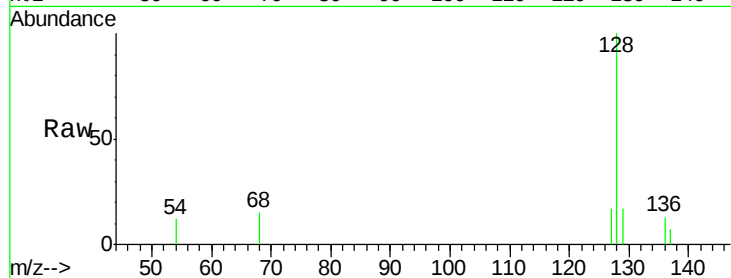
Tgt Ion:128 Resp: 3364

Ion Ratio Lower Upper

128 100

129 17.3 9.0 13.6#

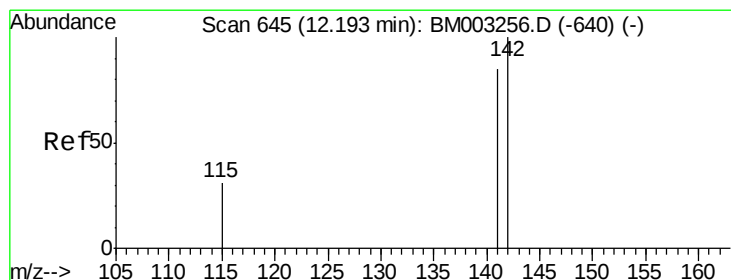
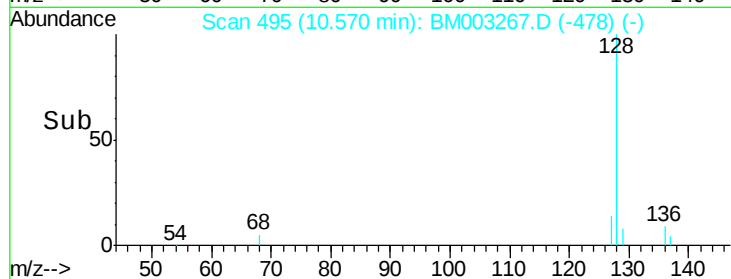
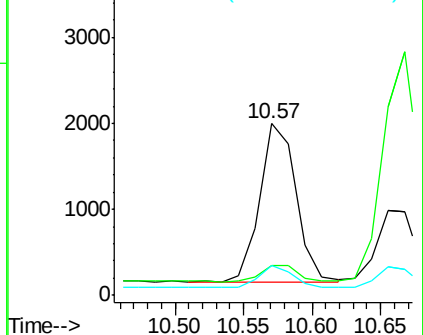
127 17.1 9.6 14.4#



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: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003267.D

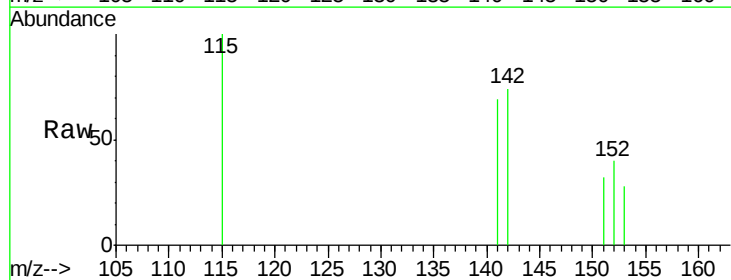
Acq: 22 Nov 2015 02:28

Tgt Ion:142 Resp: 212

Ion Ratio Lower Upper

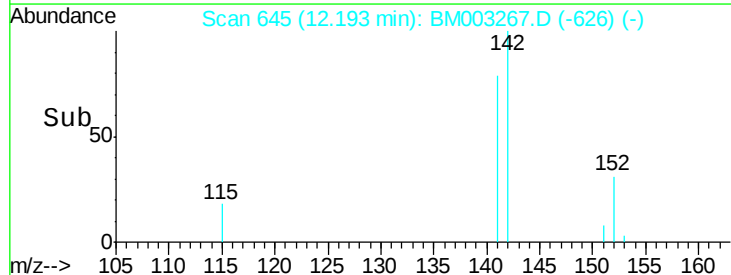
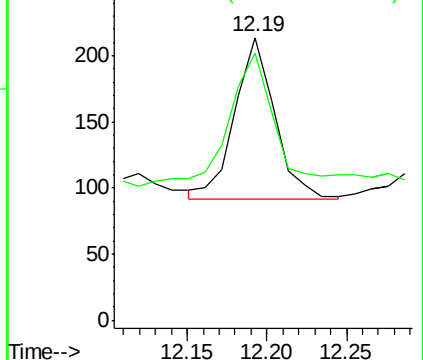
142 100

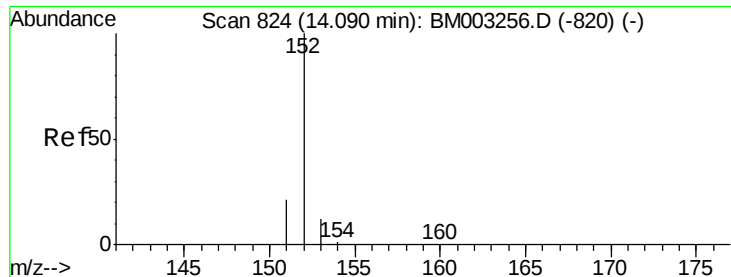
141 111.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampled :

A4J53

Tgt Ion:152 Resp: 956

Ion Ratio Lower Upper

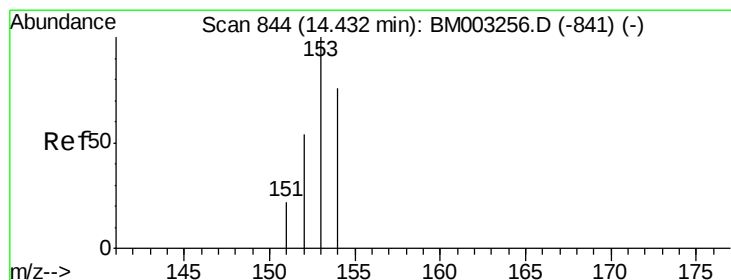
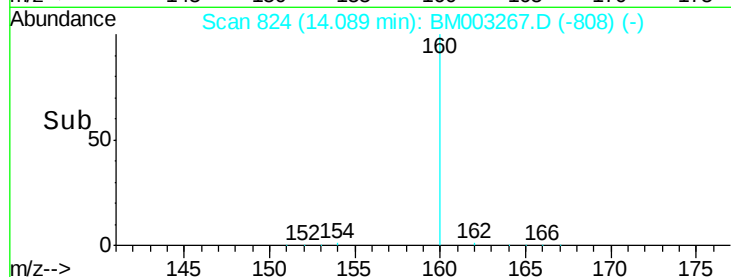
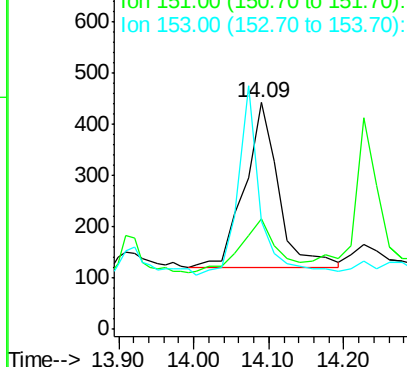
152 100

151 48.9 17.6 26.4#

153 47.5 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: BM003267.D

Acq: 22 Nov 2015 02:28

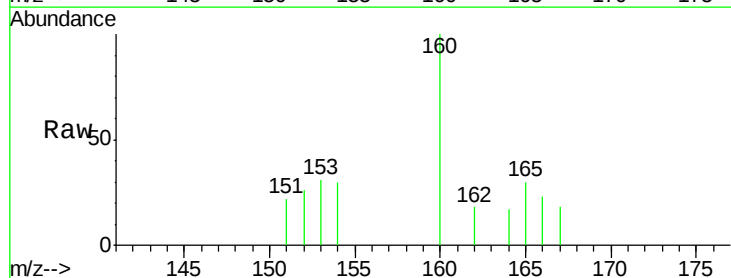
Tgt Ion:153 Resp: 389

Ion Ratio Lower Upper

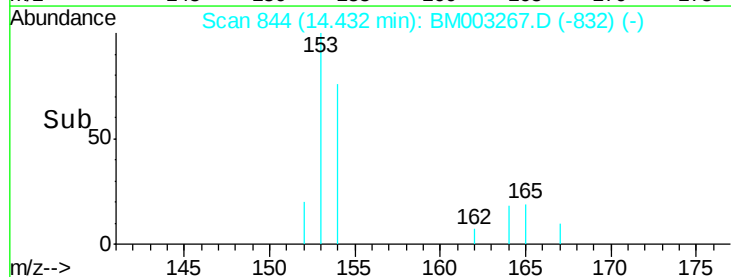
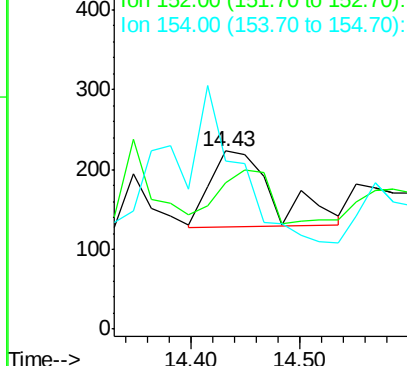
153 100

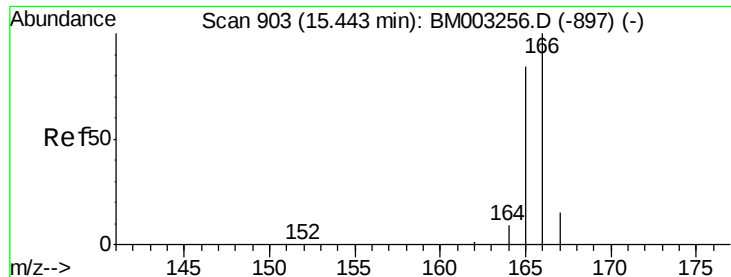
152 82.5 33.9 50.9#

154 94.2 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: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

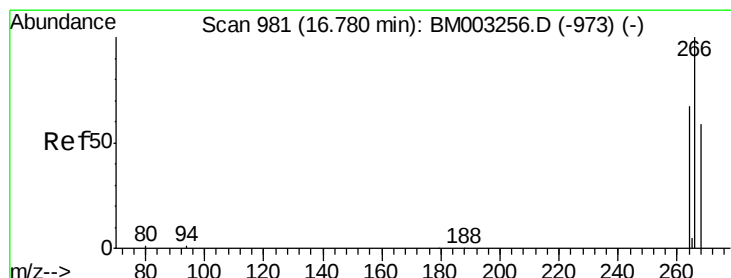
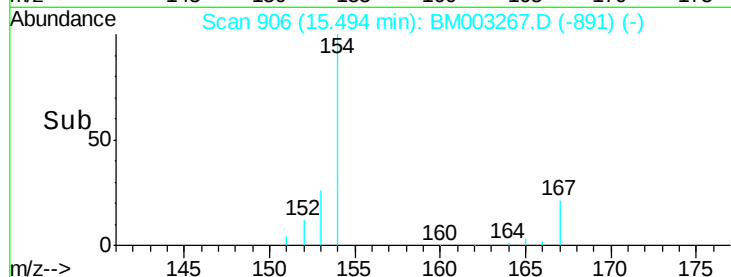
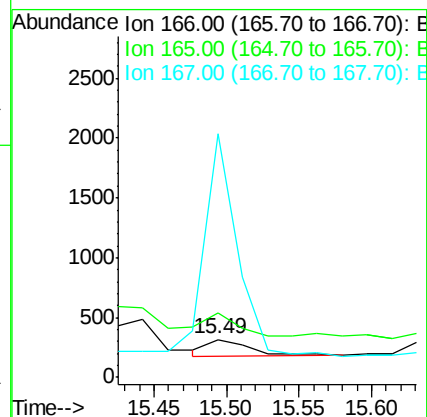
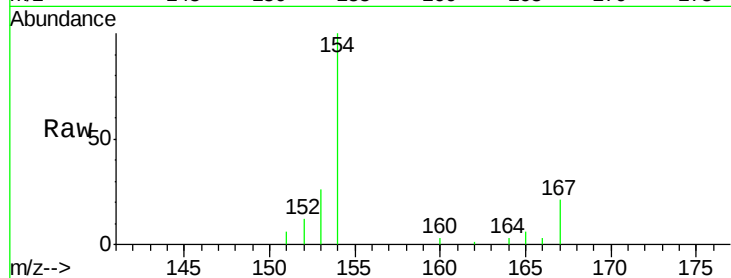
Tgt Ion:166 Resp: 296

Ion Ratio Lower Upper

166 100

165 172.0 69.6 104.4#

167 648.4 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: BM003267.D

Acq: 22 Nov 2015 02:28

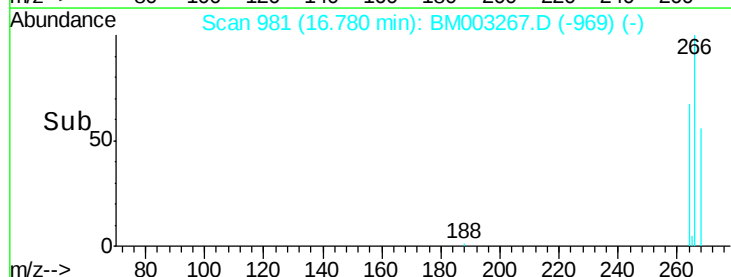
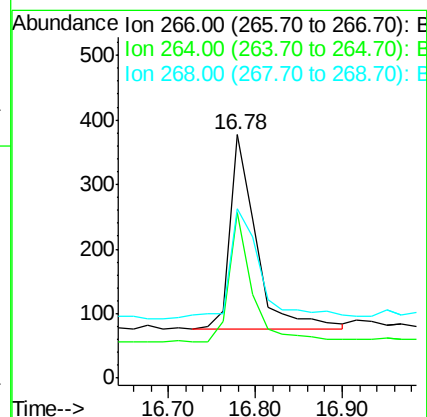
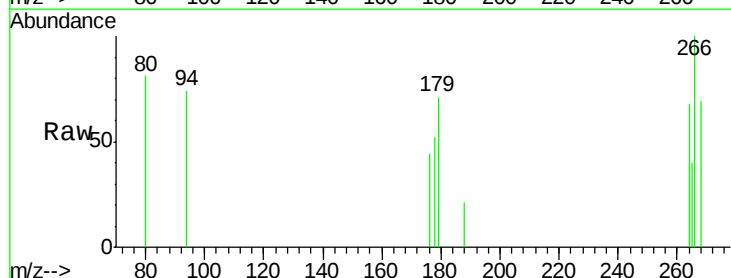
Tgt Ion:266 Resp: 622

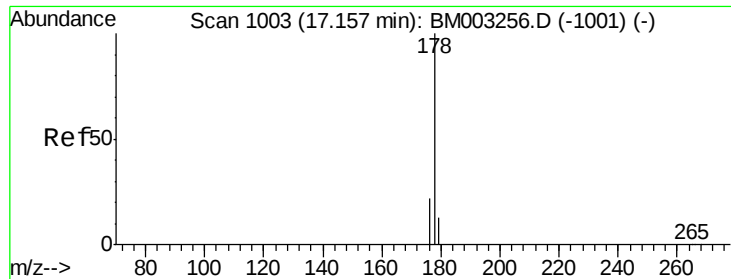
Ion Ratio Lower Upper

266 100

264 60.6 51.8 77.8

268 61.9 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: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

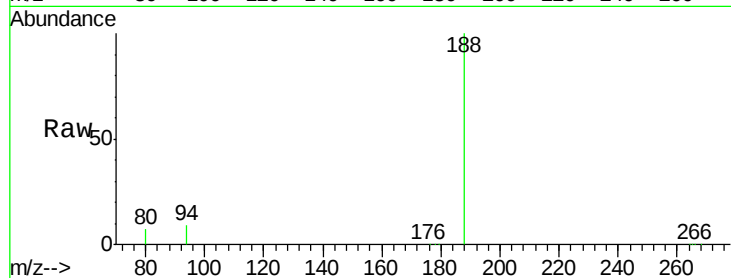
Tgt Ion:178 Resp: 2160

Ion Ratio Lower Upper

178 100

176 16.5 13.0 19.4

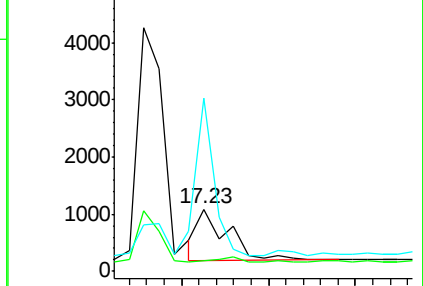
179 280.3 14.2 21.2#



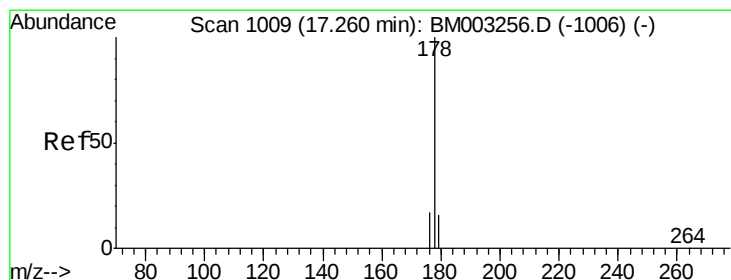
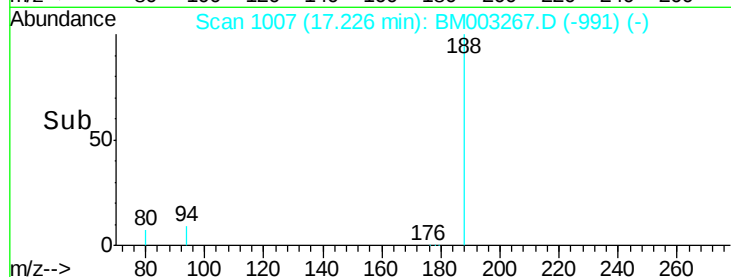
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

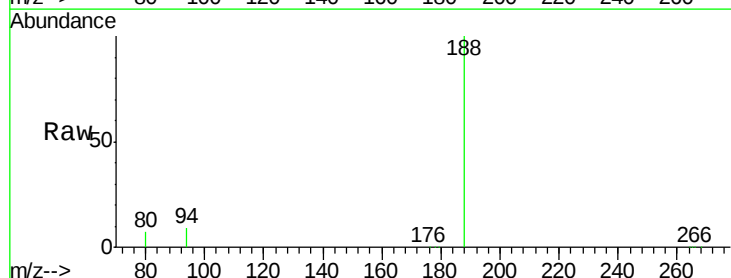
Tgt Ion:178 Resp: 2099

Ion Ratio Lower Upper

178 100

176 16.5 14.0 21.0

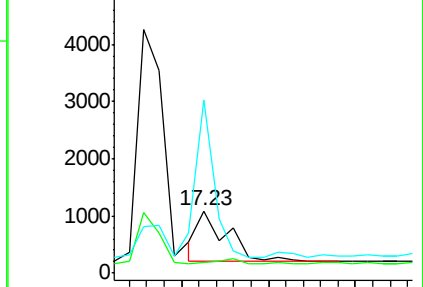
179 280.3 12.9 19.3#



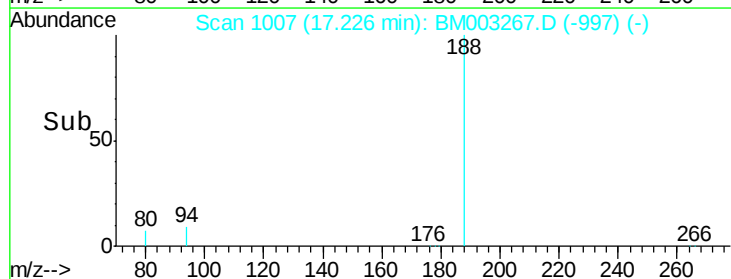
Abundance Ion 178.00 (177.70 to 178.70): E

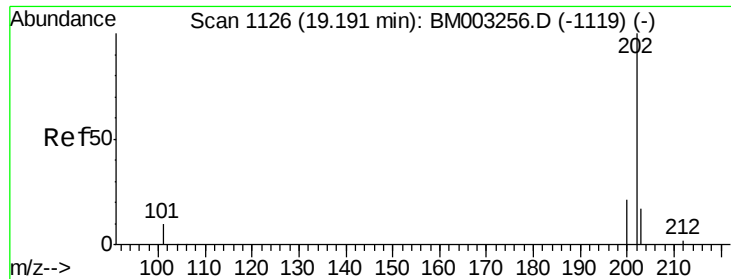
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

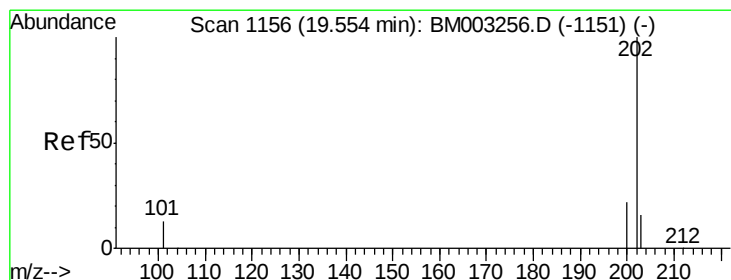
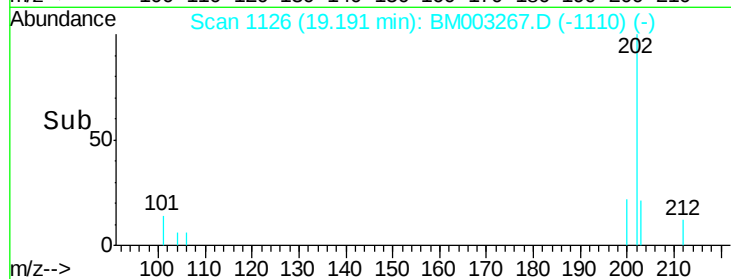
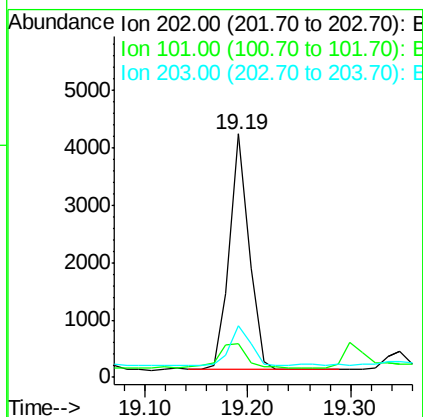
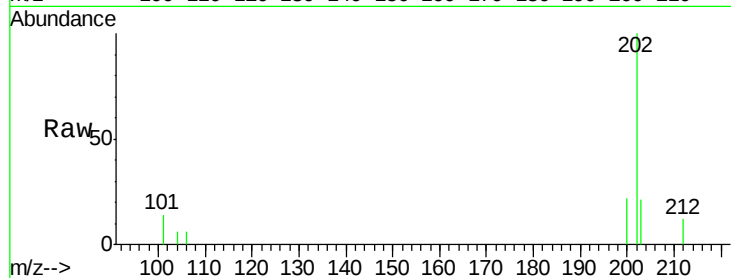




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003267.D
 Acq: 22 Nov 2015 02:28

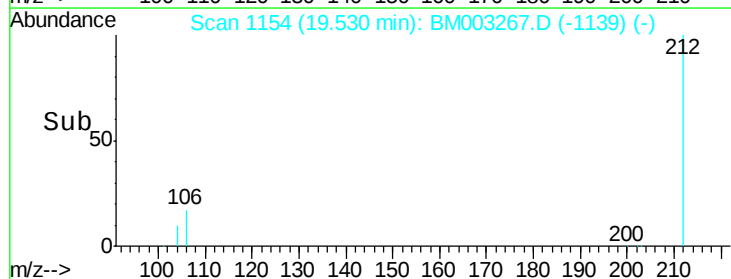
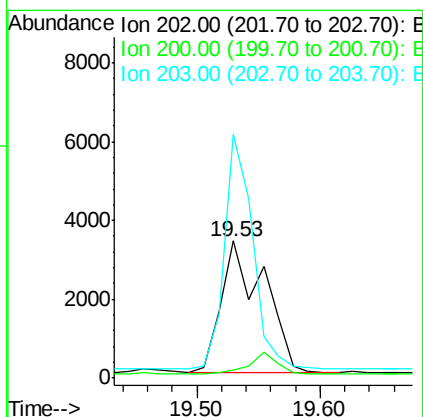
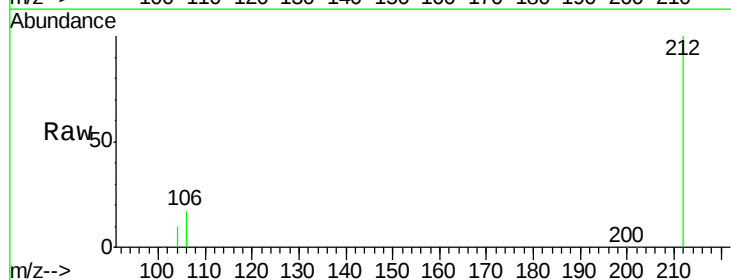
Instrument :
 BNA_M
 ClientSampled :
 A4J53

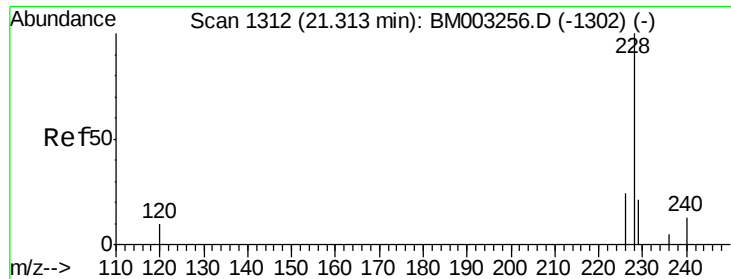
Tgt Ion:202 Resp: 5396
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 29.6
 203 21.0 0.0 36.3



#19
Pyrene
 Concen: 0.04 ng/ul
 RT: 19.53 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BM003267.D
 Acq: 22 Nov 2015 02:28

Tgt Ion:202 Resp: 8087
 Ion Ratio Lower Upper
 202 100
 200 5.8 17.8 26.8#
 203 177.7 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

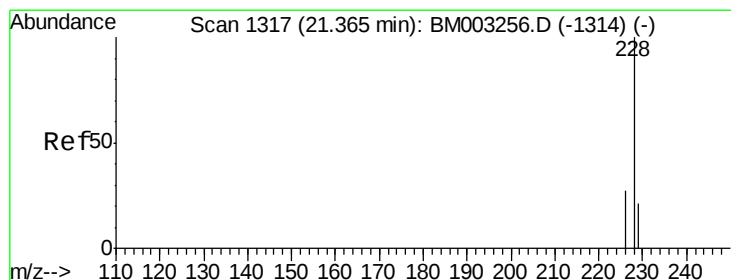
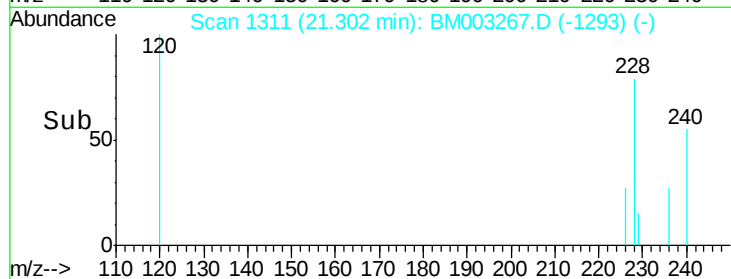
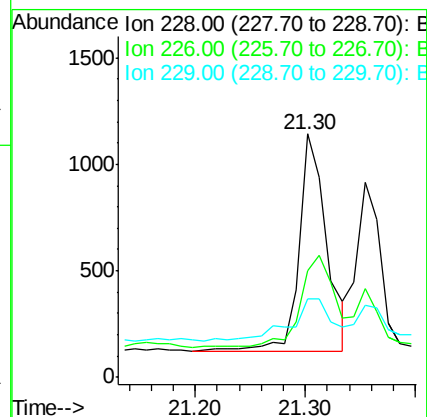
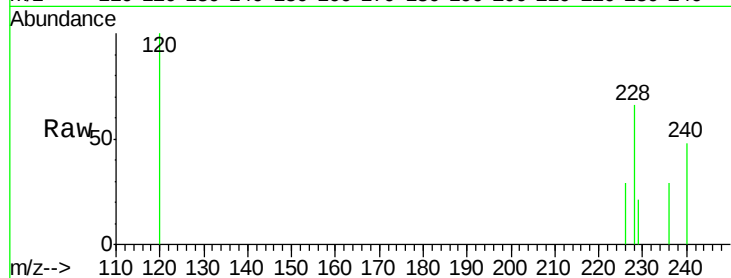
Tgt Ion:228 Resp: 1758

Ion Ratio Lower Upper

228 100

226 44.0 18.8 28.2#

229 32.1 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

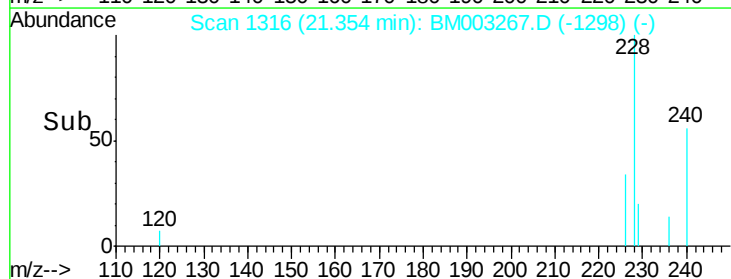
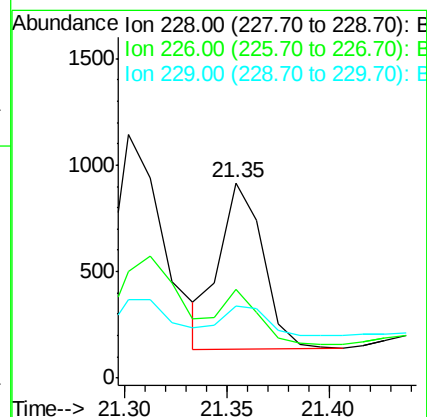
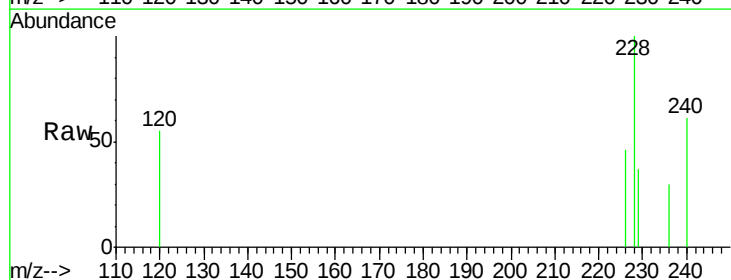
Tgt Ion:228 Resp: 1145

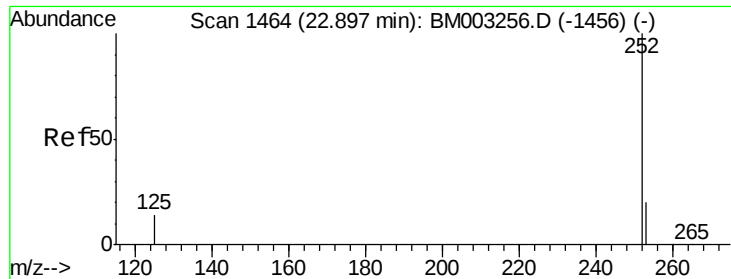
Ion Ratio Lower Upper

228 100

226 45.7 21.2 31.8#

229 37.0 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.73 min Scan# 1448

Delta R.T. -0.17 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

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A4J53

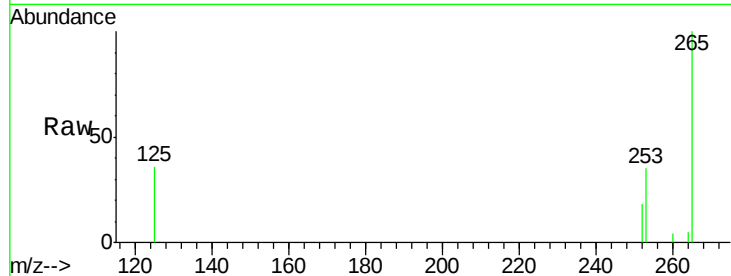
Tgt Ion:252 Resp: 33

Ion Ratio Lower Upper

252 100

253 194.4 0.0 45.4#

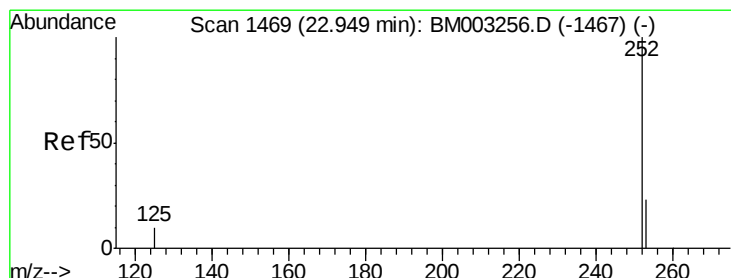
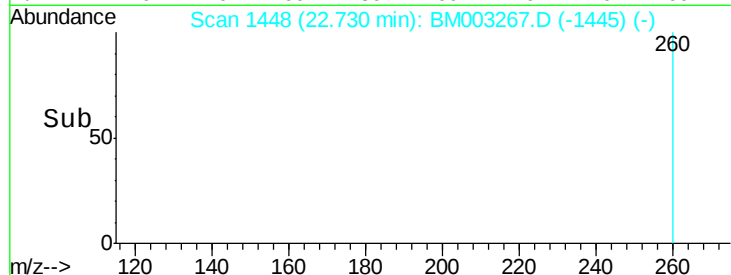
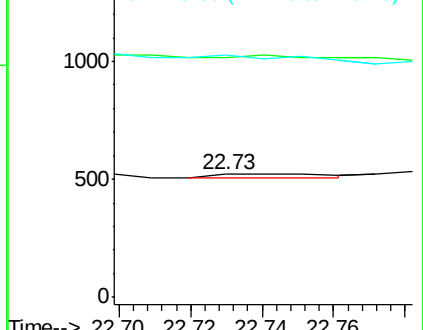
125 197.1 0.0 28.8#



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: 0.00 ng/u1

RT: 22.84 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

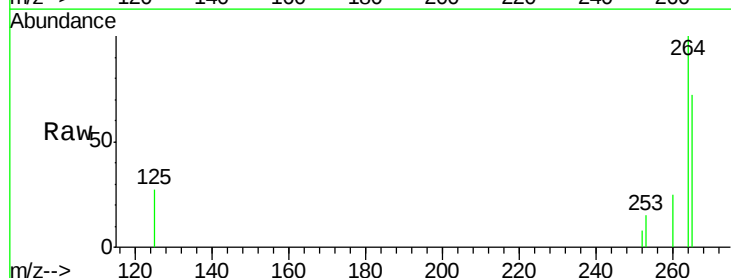
Tgt Ion:252 Resp: 73

Ion Ratio Lower Upper

252 100

253 185.1 19.8 29.8#

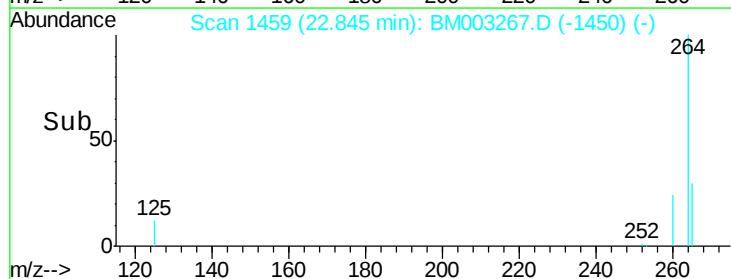
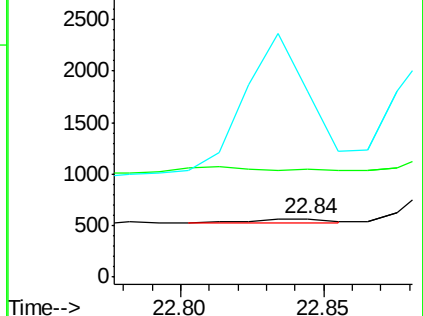
125 321.0 10.4 15.6#

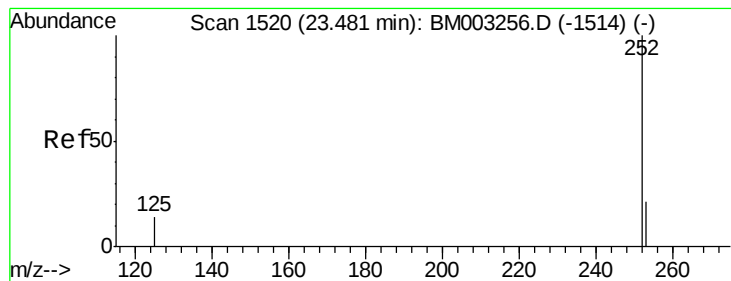


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

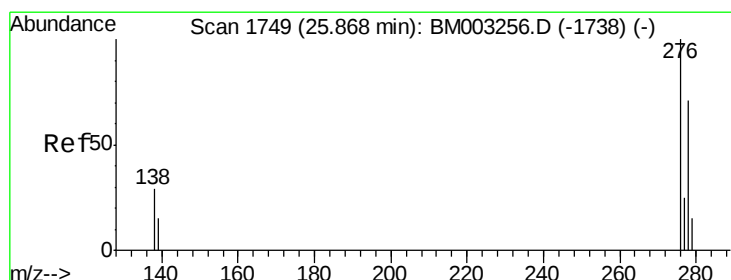
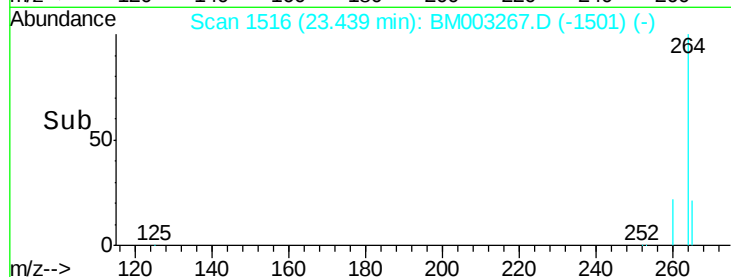
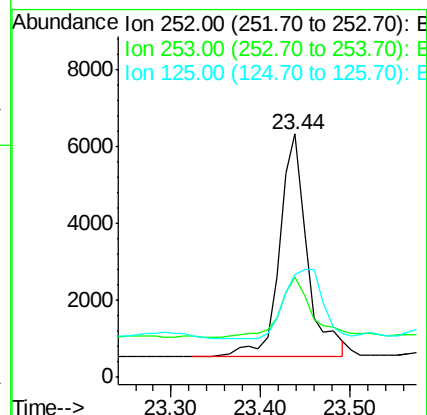
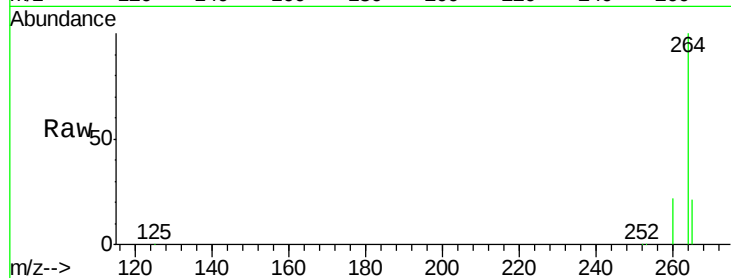
Tgt Ion:252 Resp: 12439

Ion Ratio Lower Upper

252 100

253 41.2 19.4 29.2#

125 42.3 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.62 min Scan# 1725

Delta R.T. -0.25 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

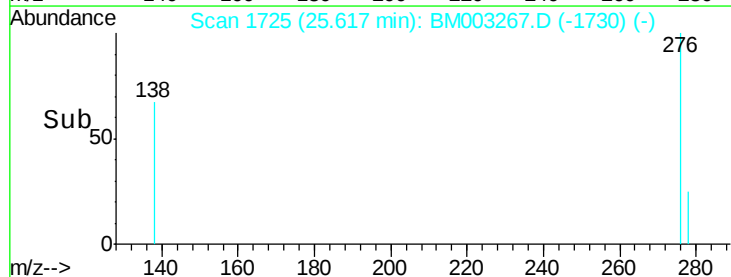
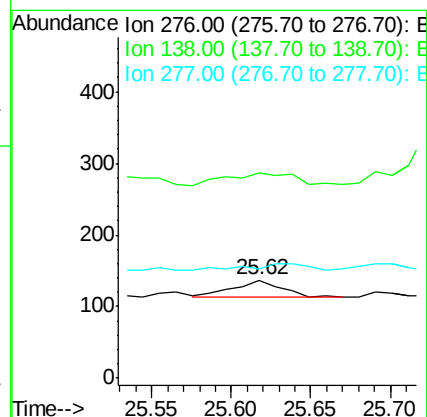
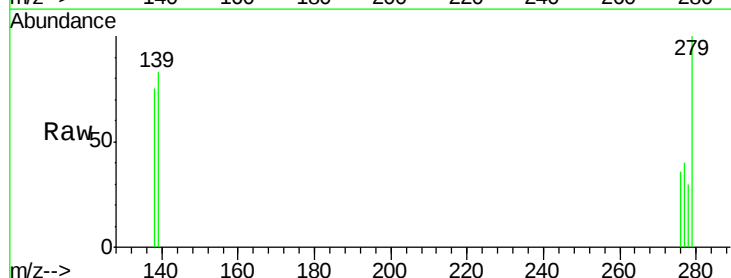
Tgt Ion:276 Resp: 51

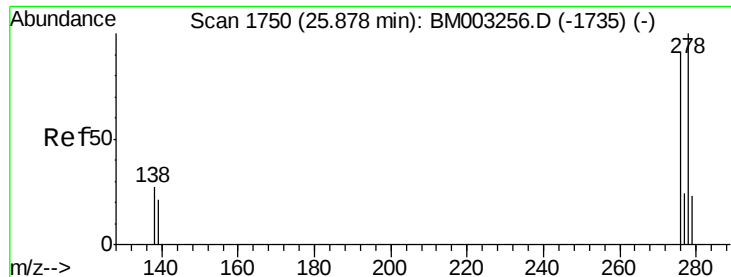
Ion Ratio Lower Upper

276 100

138 103.9 16.3 24.5#

277 41.2 19.8 29.8#





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.75 min Scan# 1738

Delta R.T. -0.13 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

Instrument :

BNA_M

ClientSampleId :

A4J53

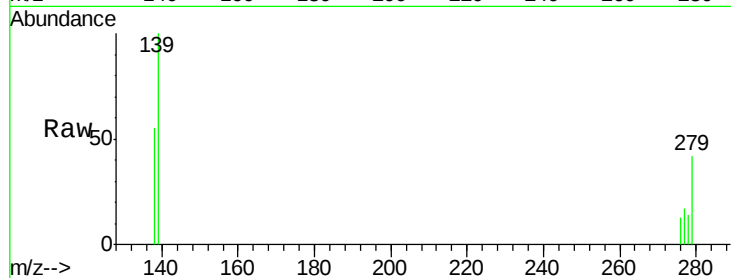
Tgt Ion: 278 Resp: 69

Ion Ratio Lower Upper

278 100

139 701.6 16.4 24.6#

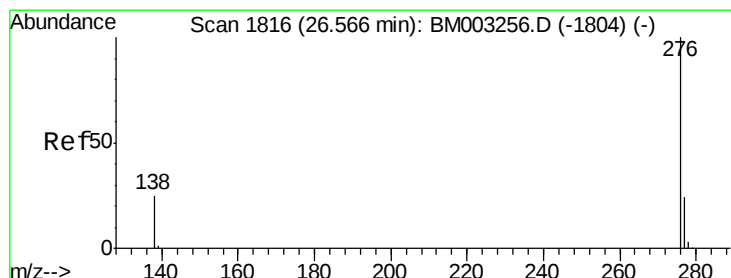
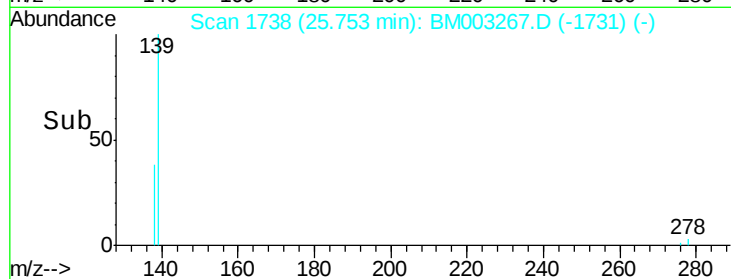
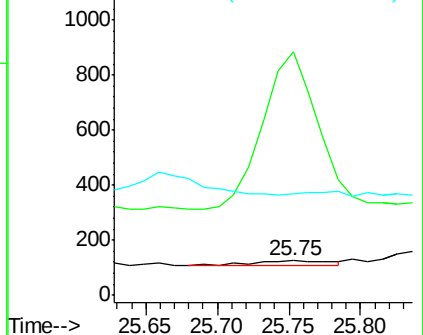
279 291.3 20.2 30.2#



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: 0.00 ng/ul

RT: 26.38 min Scan# 1798

Delta R.T. -0.19 min

Lab File: BM003267.D

Acq: 22 Nov 2015 02:28

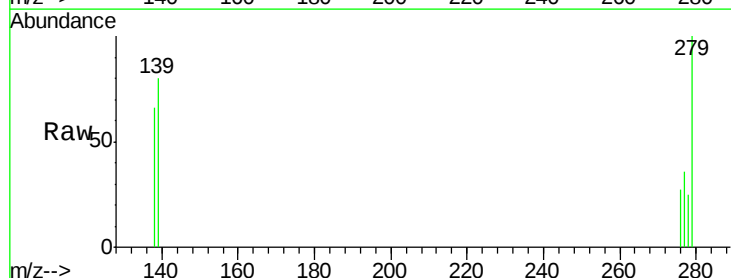
Tgt Ion: 276 Resp: 31

Ion Ratio Lower Upper

276 100

277 131.7 18.9 28.3#

138 244.2 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

