

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003262.D
 Acq On : 21 Nov 2015 23:29
 Operator : UM/IZ
 Sample : G4345-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J48

Quant Time: Nov 22 04:47:07 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

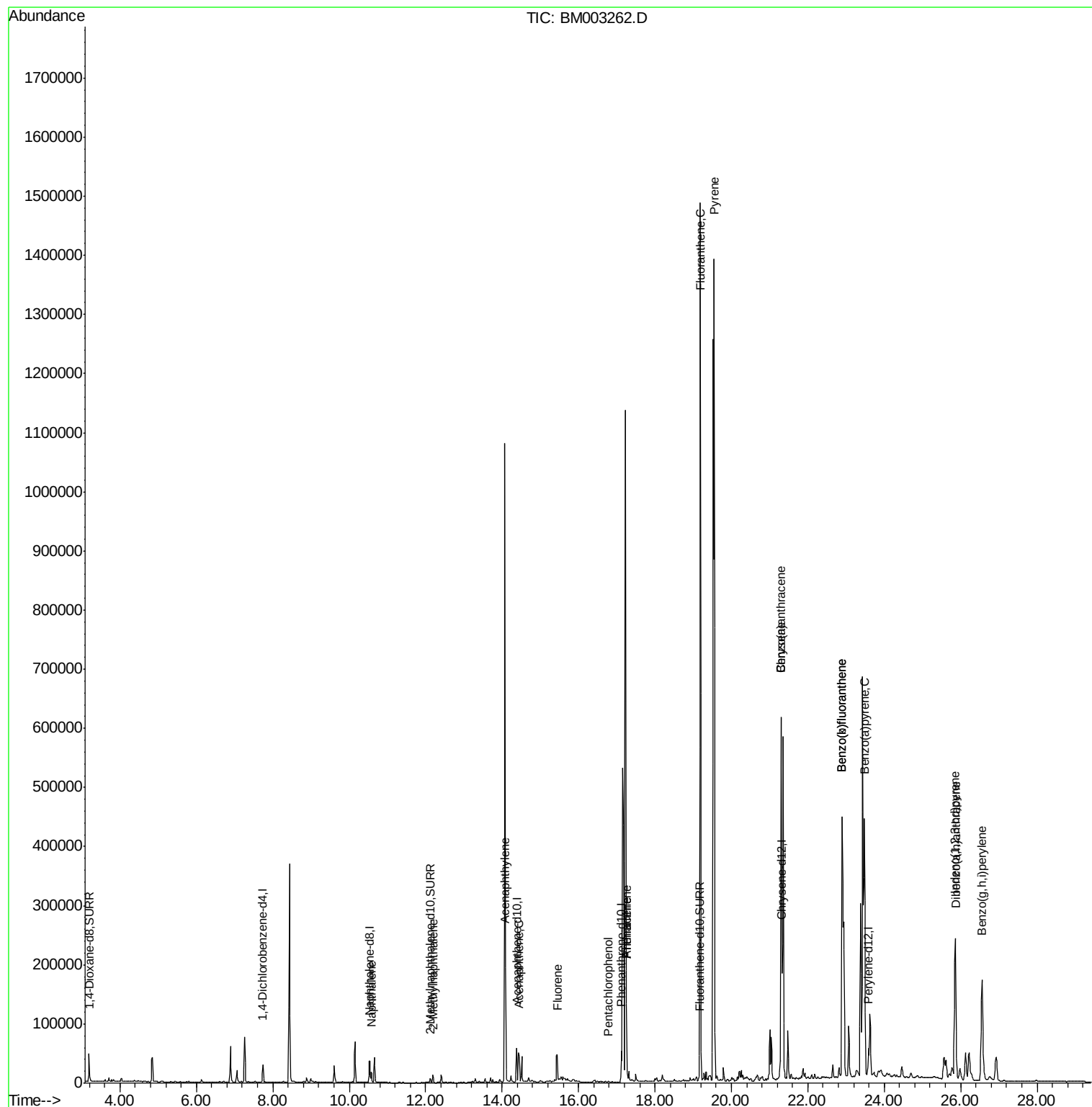
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	15008	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	59455	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31093	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	63486	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	63213	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	63147	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	33448	2.09	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	8658	0.11	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	14969	0.10	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.57	128	26533	0.17	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	9645	0.10	ng/ul#	100
9) Acenaphthylene	14.09	152	33684	0.26	ng/ul	98
10) Acenaphthene	14.43	153	39841	0.36	ng/ul#	77
11) Fluorene	15.44	166	47026	0.40	ng/ul	98
13) Pentachlorophenol	16.78	266	1233	0.08	ng/ul	95
14) Phenanthrene	17.26	178	148643	0.81	ng/ul	98
15) Anthracene	17.26	178	158920	1.03	ng/ul	99
17) Fluoranthene	19.19	202	1350137	6.61	ng/ul	99
19) Pyrene	19.55	202	1282707	5.92	ng/ul	99
20) Benzo(a)anthracene	21.30	228	651358	3.55	ng/ul#	90
21) Chrysene	21.30	228	647746	3.14	ng/ul	94
23) Benzo(b)fluoranthene	22.90	252	1064151	4.43	ng/ul	97
24) Benzo(k)fluoranthene	22.90	252	1064151	4.69	ng/ul	96
25) Benzo(a)pyrene	23.48	252	585600	2.74	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.86	276	377566	1.48	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	89513	0.44	ng/ul	96
28) Benzo(g,h,i)perylene	26.56	276	366043	1.64	ng/ul	99

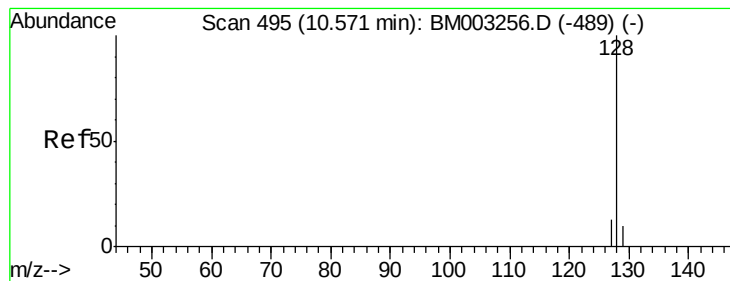
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.17 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

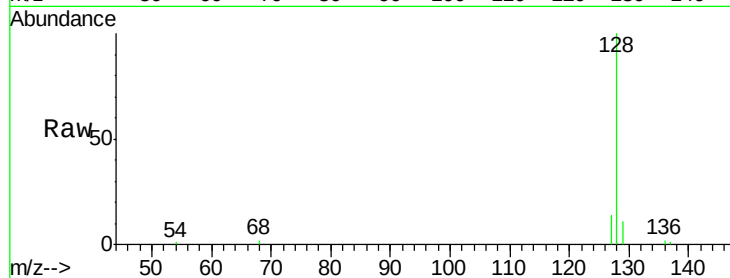
Tgt Ion:128 Resp: 26533

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

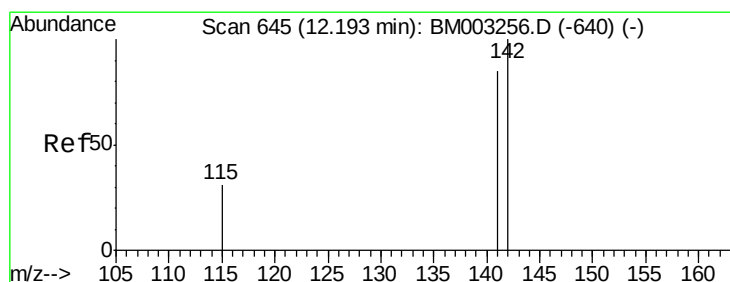
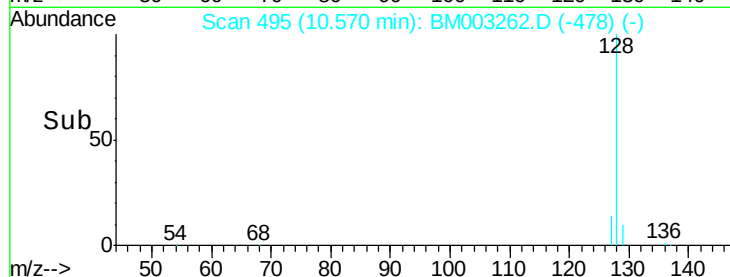
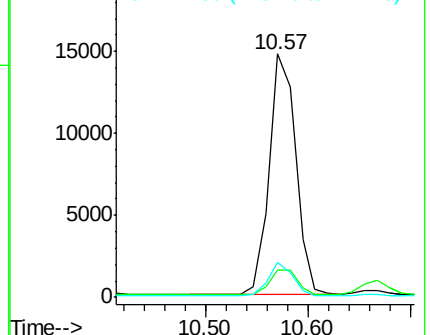
127 14.1 9.6 14.4



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: 0.10 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003262.D

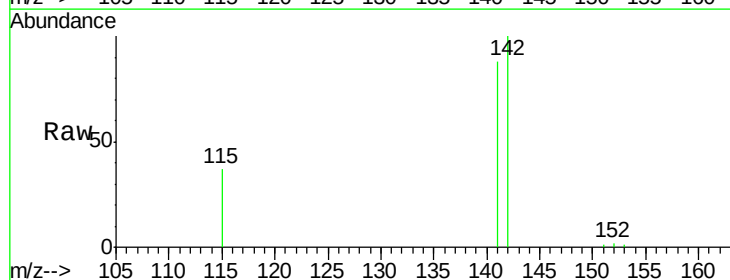
Acq: 21 Nov 2015 23:29

Tgt Ion:142 Resp: 9645

Ion Ratio Lower Upper

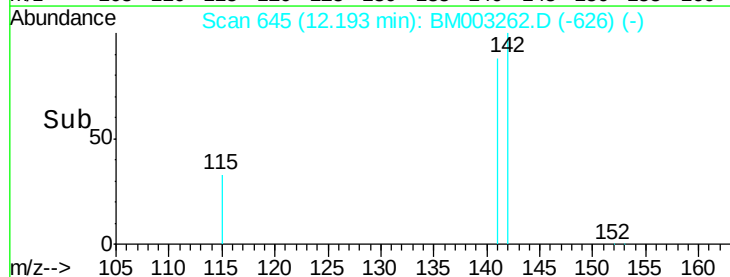
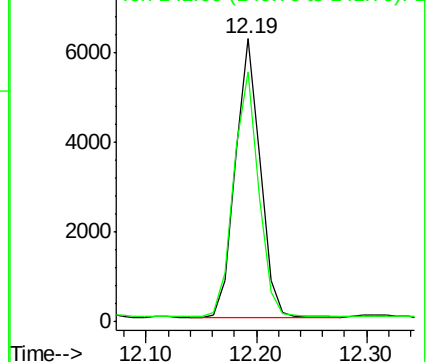
142 100

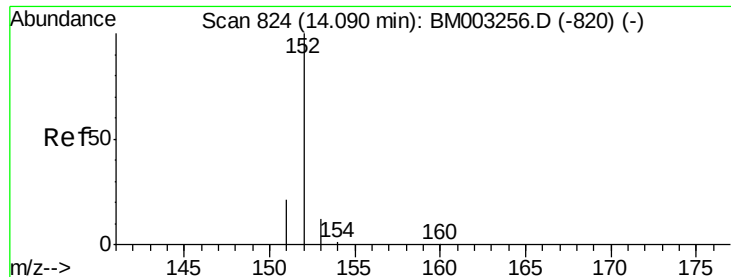
141 89.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

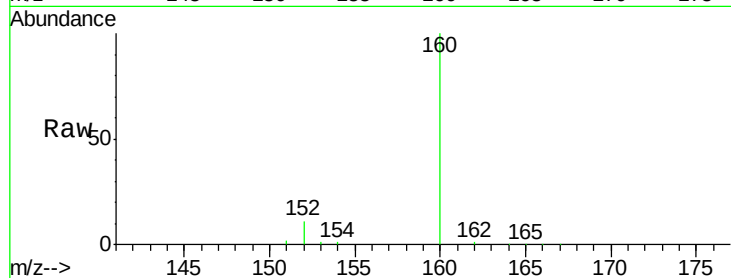
Tgt Ion:152 Resp: 33684

Ion Ratio Lower Upper

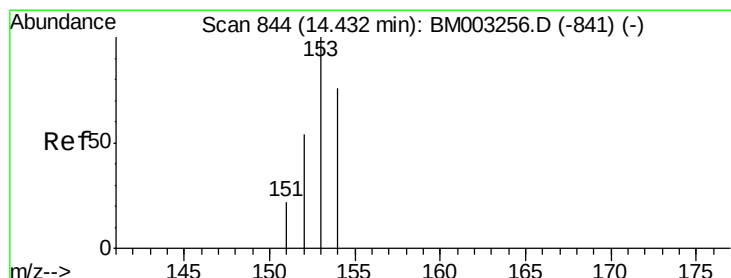
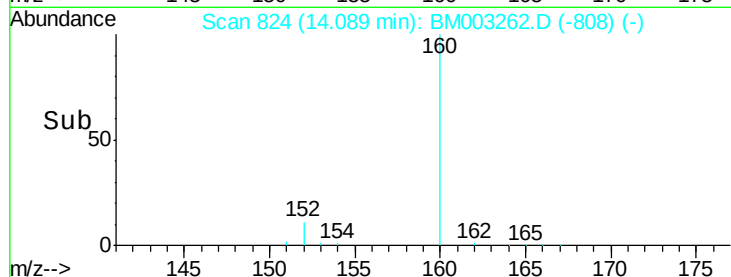
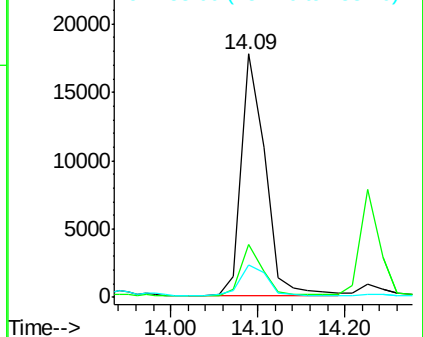
152 100

151 21.6 17.6 26.4

153 13.4 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: 0.36 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

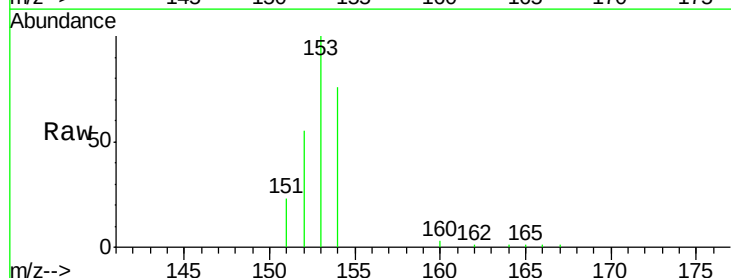
Tgt Ion:153 Resp: 39841

Ion Ratio Lower Upper

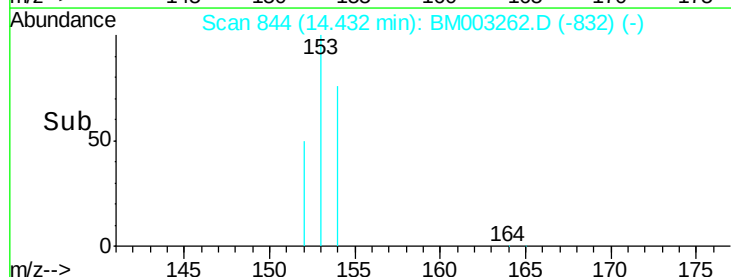
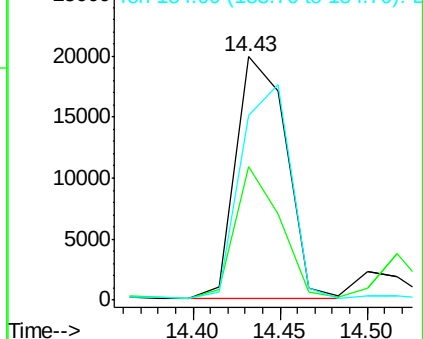
153 100

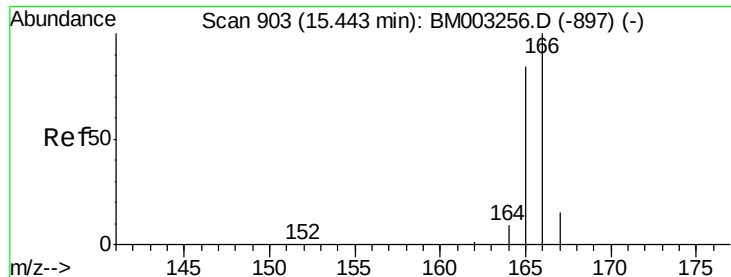
152 54.7 33.9 50.9#

154 75.8 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

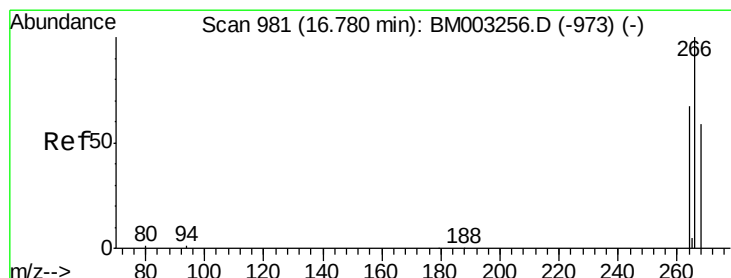
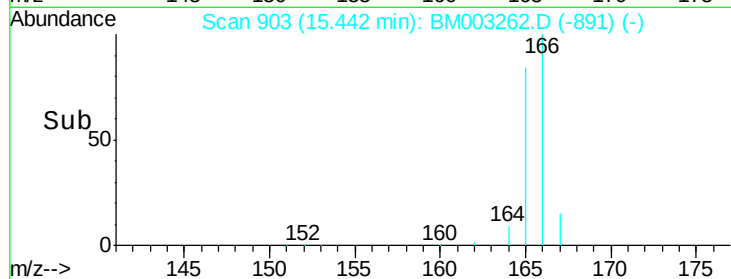
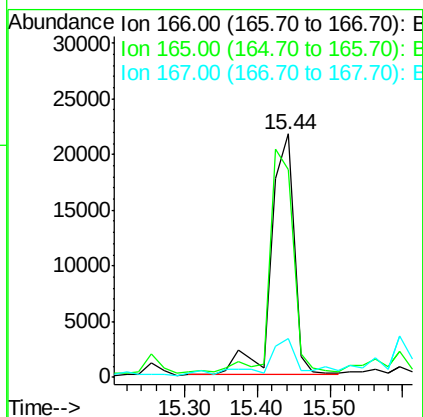
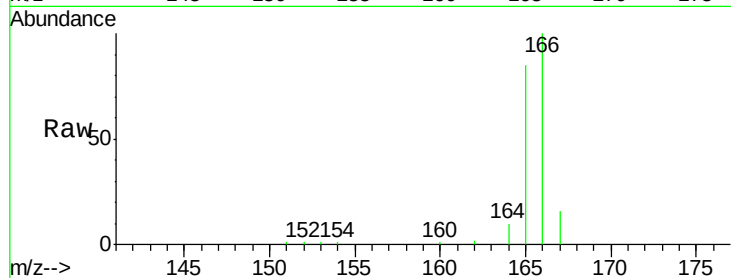




#11
Fluorene
Concen: 0.40 ng/ul
RT: 15.44 min Scan# 903
Delta R.T. -0.00 min
Lab File: BM003262.D
Acq: 21 Nov 2015 23:29

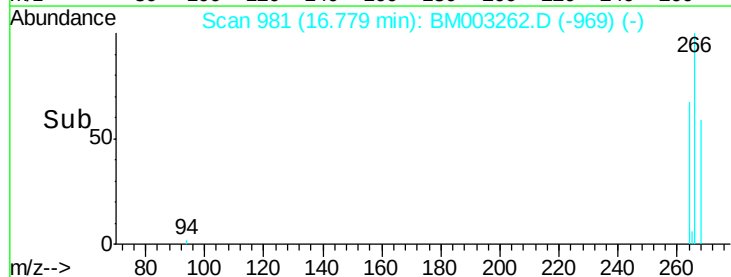
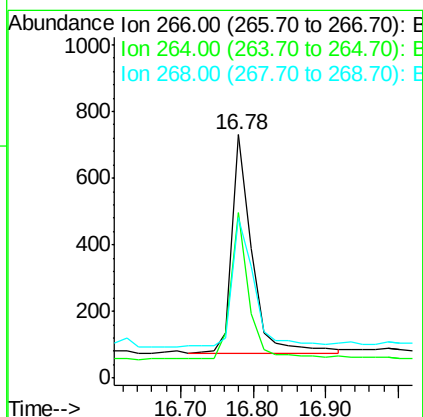
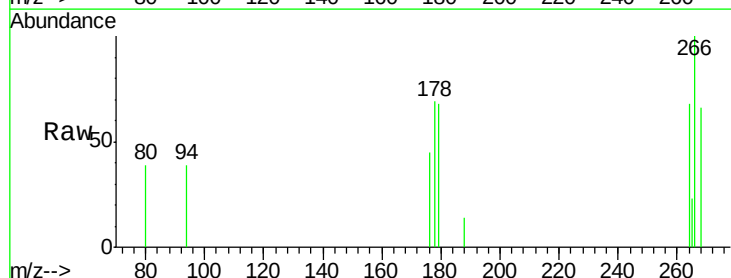
Instrument :
BNA_M
ClientSampleId :
A4J48

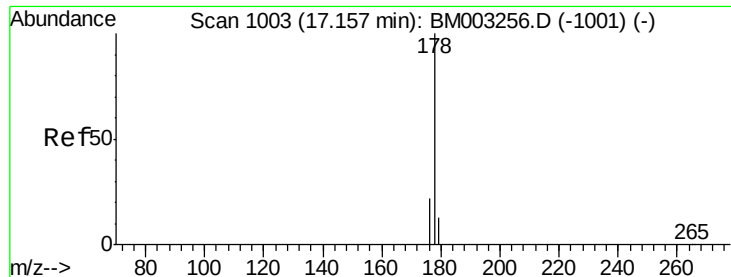
Tgt Ion:166 Resp: 47026
Ion Ratio Lower Upper
166 100
165 85.3 69.6 104.4
167 16.0 11.9 17.9



#13
Pentachlorophenol
Concen: 0.08 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM003262.D
Acq: 21 Nov 2015 23:29

Tgt Ion:266 Resp: 1233
Ion Ratio Lower Upper
266 100
264 63.9 51.8 77.8
268 66.1 46.8 70.2





#14

Phenanthrene

Concen: 0.81 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

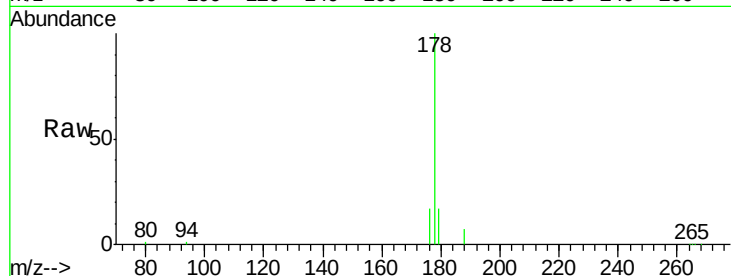
Tgt Ion:178 Resp: 148643

Ion Ratio Lower Upper

178 100

176 16.8 13.0 19.4

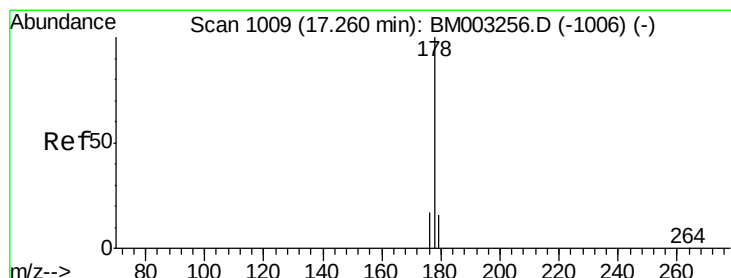
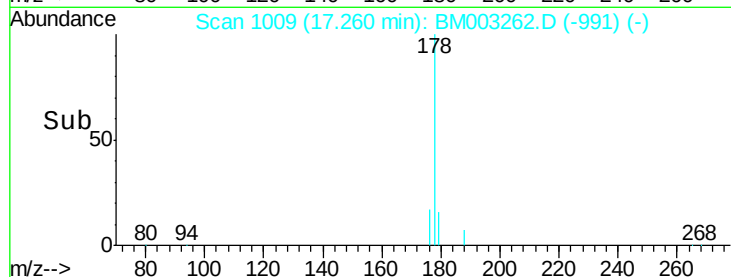
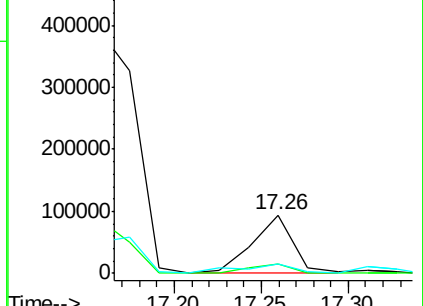
179 16.7 14.2 21.2



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: 1.03 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

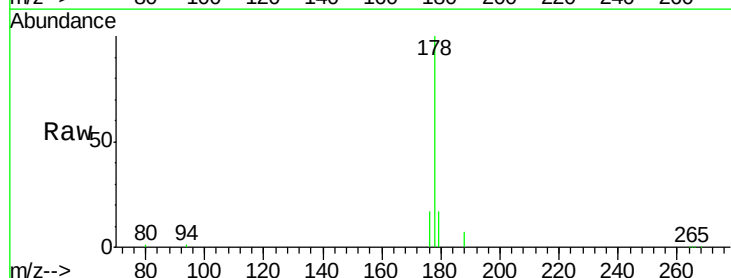
Tgt Ion:178 Resp: 158920

Ion Ratio Lower Upper

178 100

176 16.8 14.0 21.0

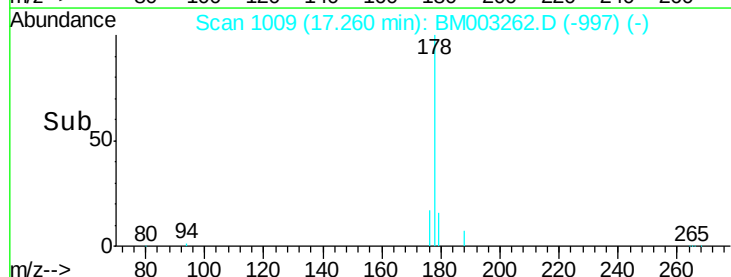
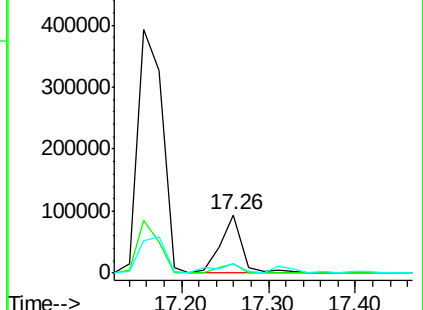
179 16.7 12.9 19.3

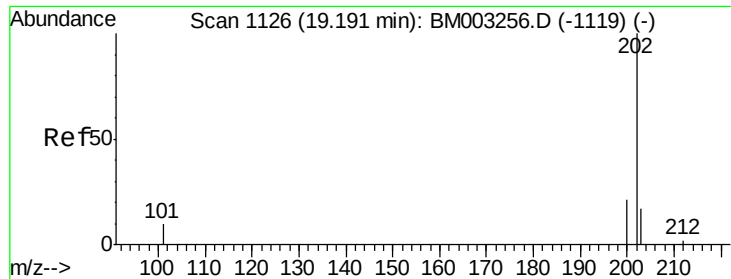


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

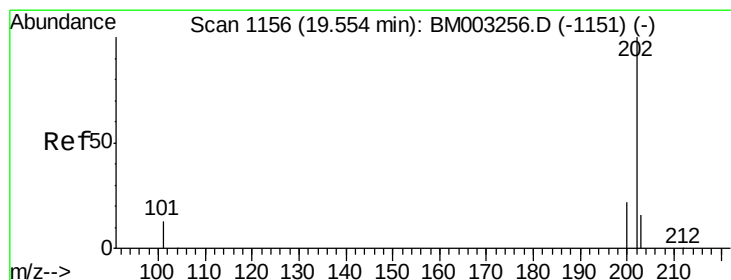
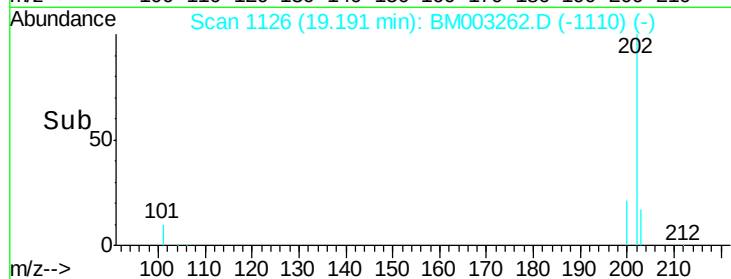
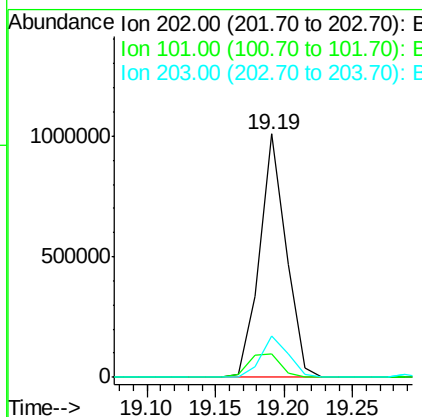
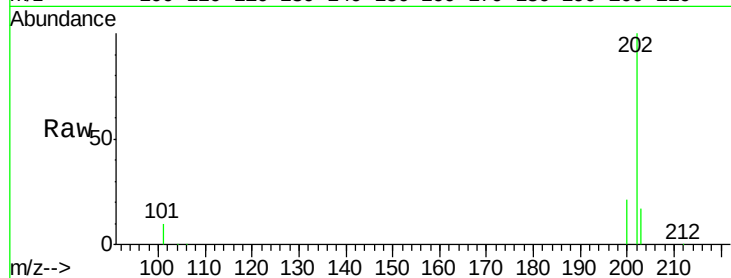




#17
Fluoranthene
 Concen: 6.61 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003262.D
 Acq: 21 Nov 2015 23:29

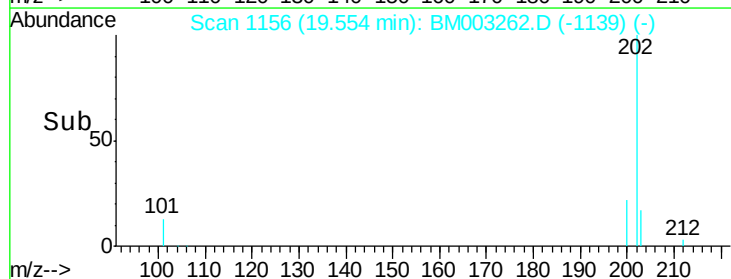
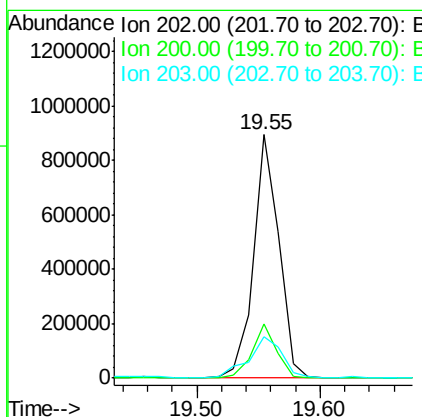
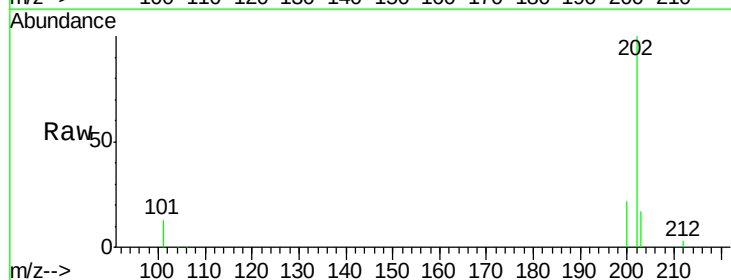
Instrument :
 BNA_M
 ClientSampleId :
 A4J48

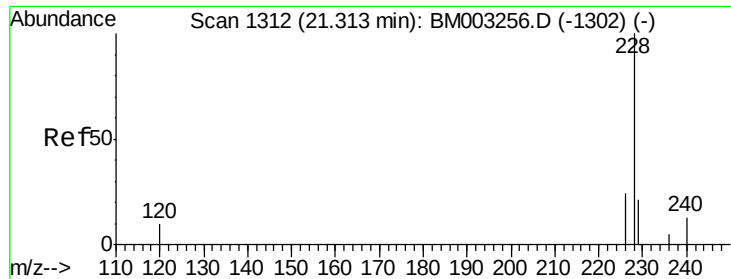
Tgt Ion:202 Resp: 1350137
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.6
 203 17.1 0.0 36.3



#19
Pyrene
 Concen: 5.92 ng/ul
 RT: 19.55 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BM003262.D
 Acq: 21 Nov 2015 23:29

Tgt Ion:202 Resp: 1282707
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.8 26.8
 203 16.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 3.55 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

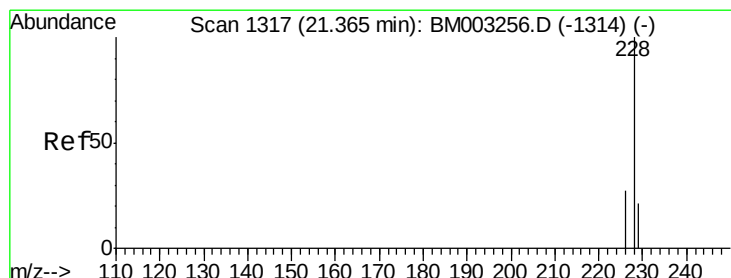
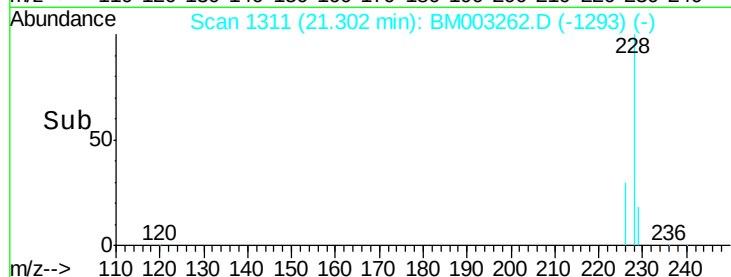
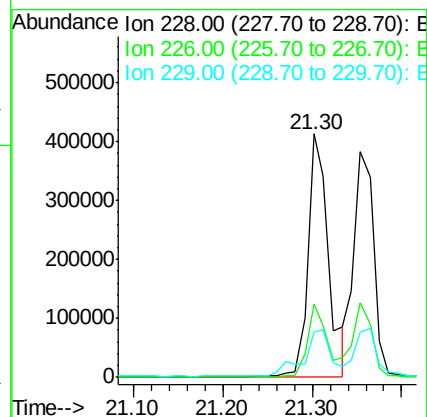
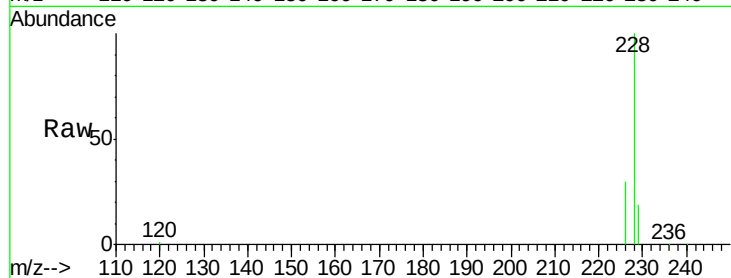
Tgt Ion:228 Resp: 651358

Ion Ratio Lower Upper

228 100

226 30.0 18.8 28.2#

229 18.7 17.1 25.7



#21

Chrysene

Concen: 3.14 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

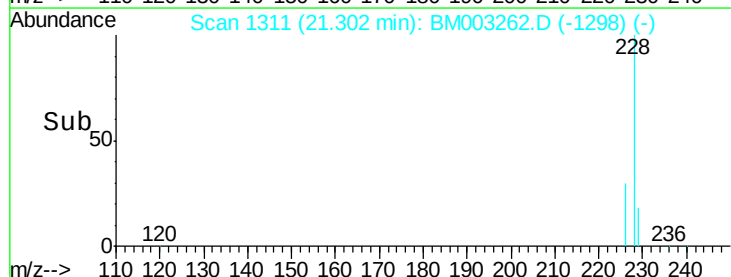
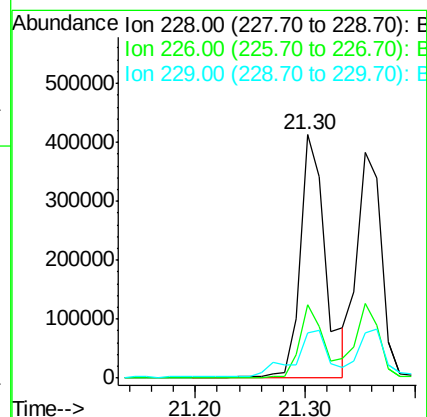
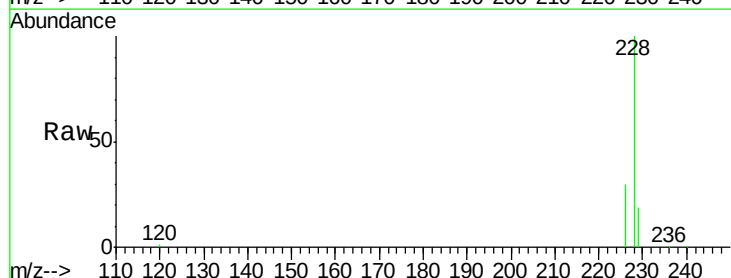
Tgt Ion:228 Resp: 647746

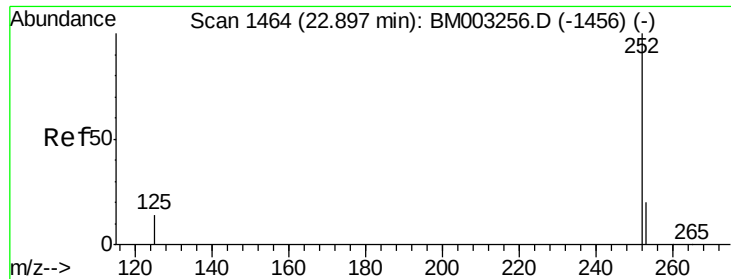
Ion Ratio Lower Upper

228 100

226 30.0 21.2 31.8

229 18.7 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 4.43 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

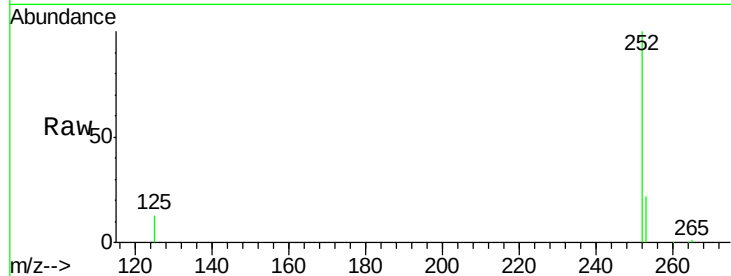
Tgt Ion:252 Resp: 1064151

Ion Ratio Lower Upper

252 100

253 21.7 0.0 45.4

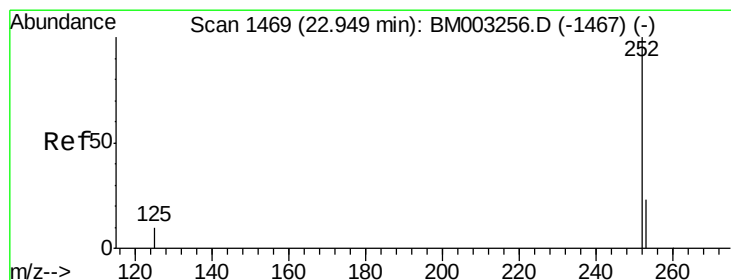
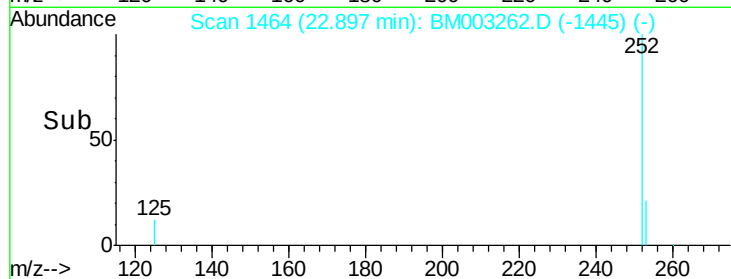
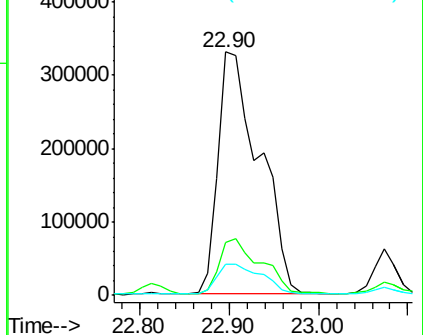
125 12.9 0.0 28.8



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: 4.69 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

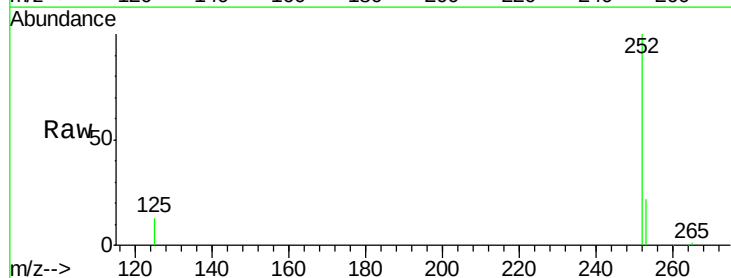
Tgt Ion:252 Resp: 1064151

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

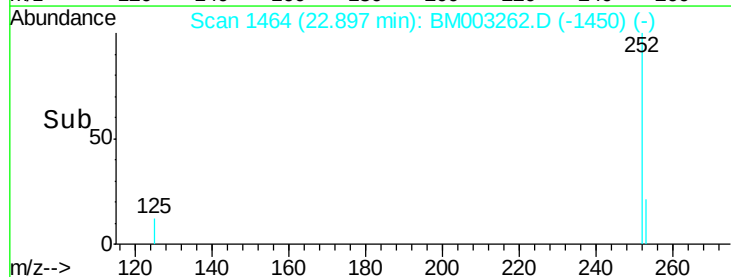
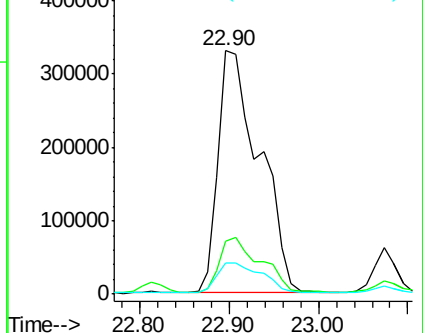
125 12.9 10.4 15.6

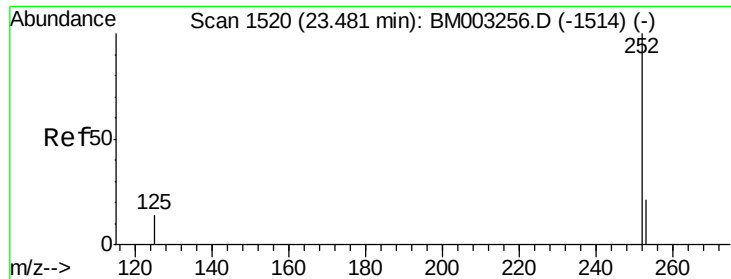


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 2.74 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

Instrument :

BNA_M

ClientSampleId :

A4J48

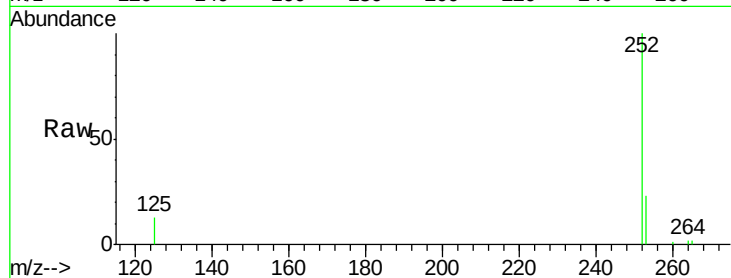
Tgt Ion:252 Resp: 585600

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

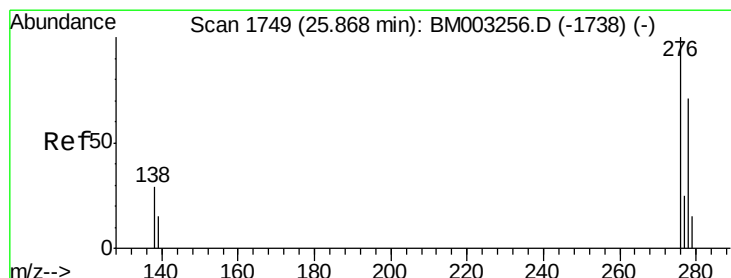
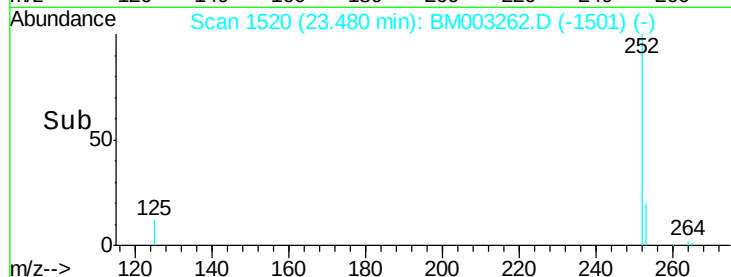
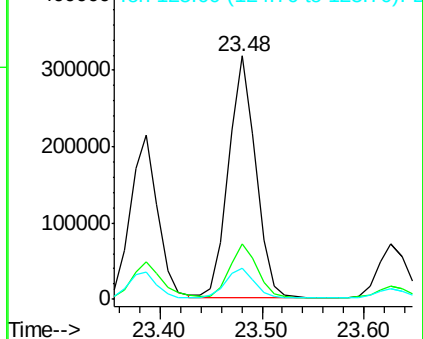
125 12.9 12.7 19.1



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: 1.48 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003262.D

Acq: 21 Nov 2015 23:29

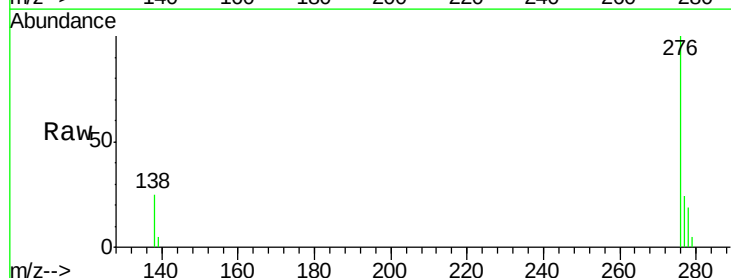
Tgt Ion:276 Resp: 377566

Ion Ratio Lower Upper

276 100

138 25.6 16.3 24.5#

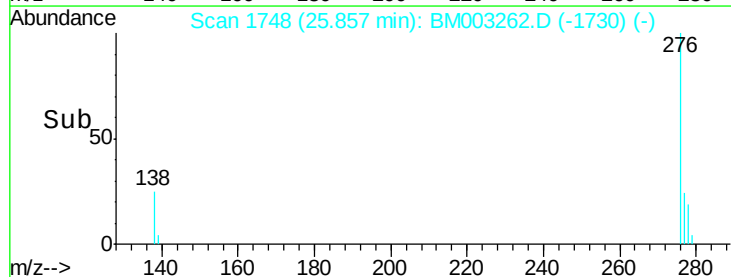
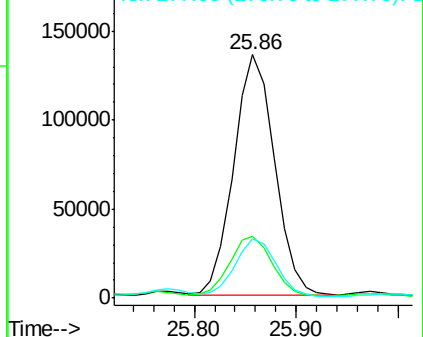
277 24.1 19.8 29.8

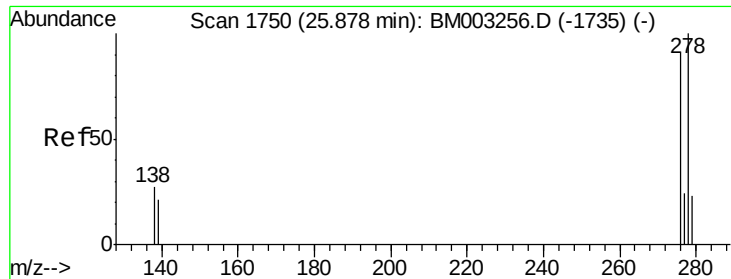


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



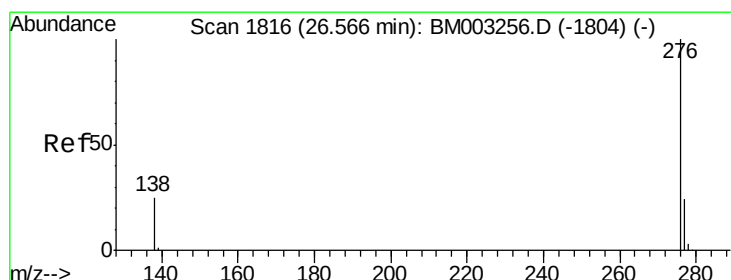
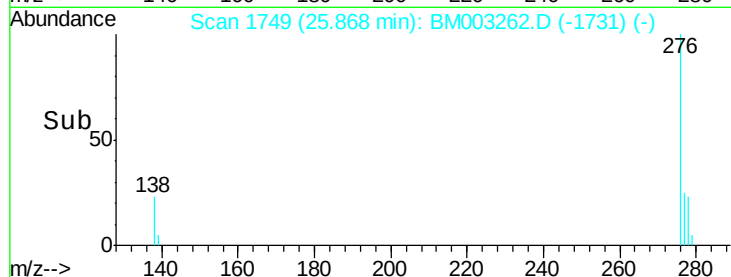
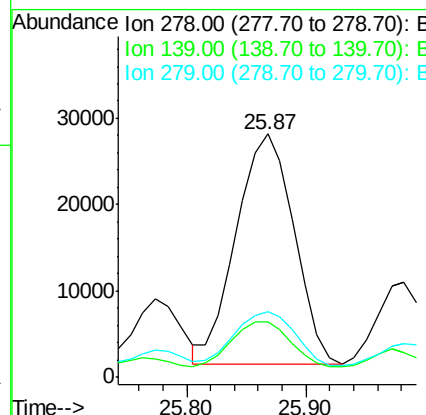
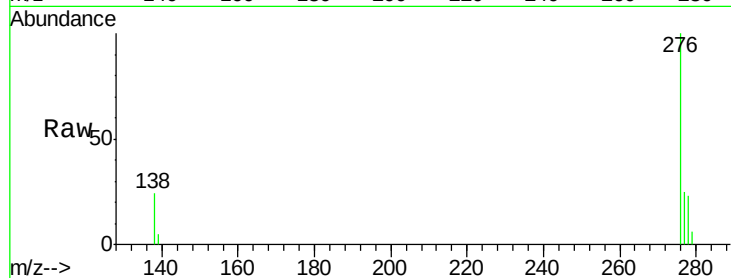


#27
Dibenzo(a,h)anthracene
Concen: 0.44 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003262.D
Acq: 21 Nov 2015 23:29

Instrument :
BNA_M
ClientSampleId :
A4J48

Tgt Ion: 278 Resp: 89513

Ion	Ratio	Lower	Upper
278	100		
139	22.8	16.4	24.6
279	27.2	20.2	30.2



#28
Benzo(g,h,i)perylene
Concen: 1.64 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003262.D
Acq: 21 Nov 2015 23:29

Tgt Ion: 276 Resp: 366043

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.9	28.3
138	26.9	22.5	33.7

