

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003250.D
 Acq On : 21 Nov 2015 15:43
 Operator : UM/IZ
 Sample : G4323-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:18:32 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 01:13:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	11482	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	46316	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	26912	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3722588	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	45875	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3251461	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	82522	6.73	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	22243	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	37777	0.00	ng/ul	0.00

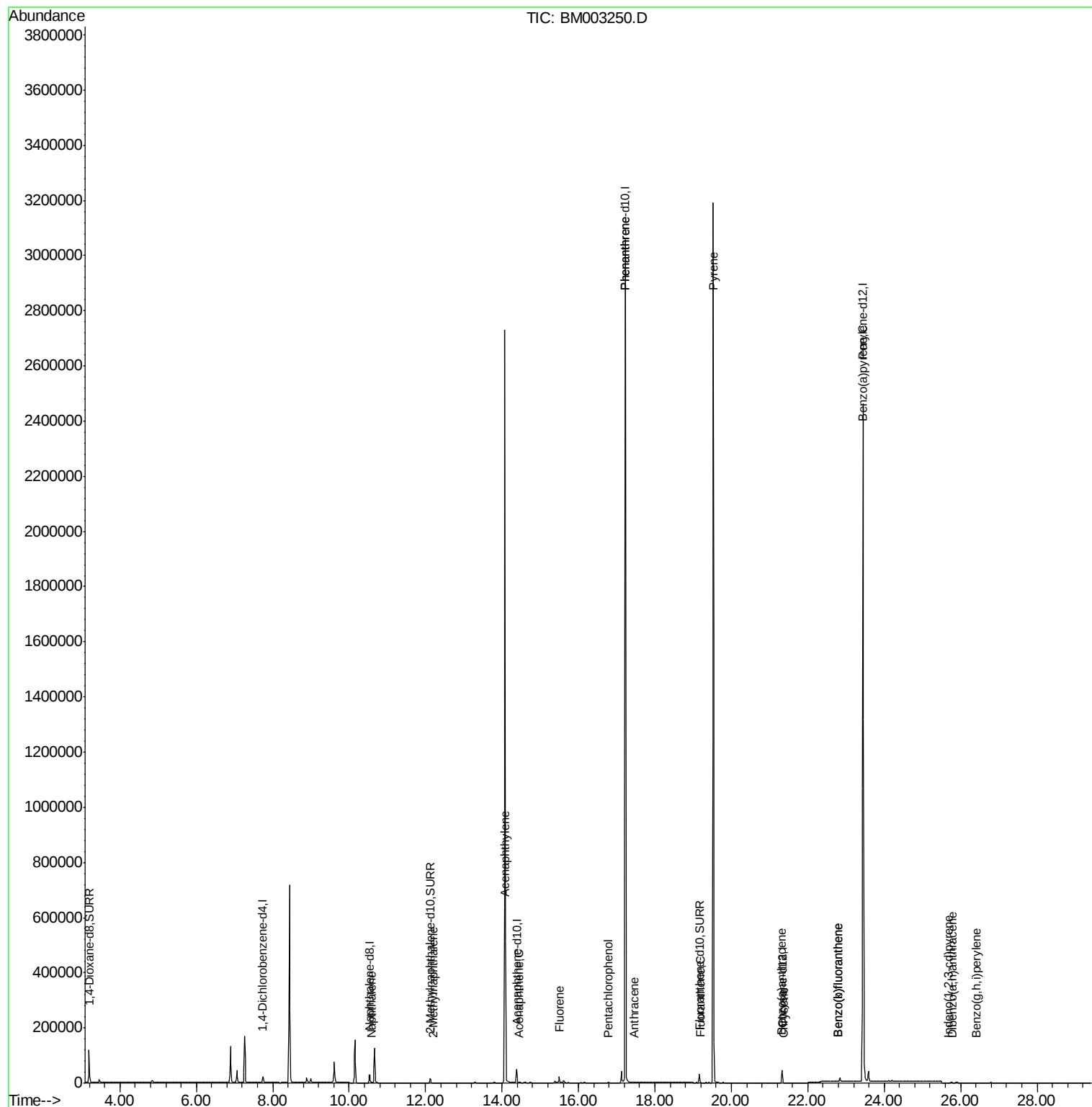
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.57	128	3019	0.03	ng/ul#	84
7) 2-Methylnaphthalene	12.19	142	360	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	613	0.01	ng/ul#	10
10) Acenaphthene	14.45	153	295	0.00	ng/ul#	77
11) Fluorene	15.49	166	314	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	565	0.00	ng/ul	90
14) Phenanthrene	17.23	178	1769	0.00	ng/ul#	1
15) Anthracene	17.47	178	126	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	2942	0.00	ng/ul	82
19) Pyrene	19.53	202	8198	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	1228	0.01	ng/ul#	67
21) Chrysene	21.36	228	1276	0.01	ng/ul#	77
23) Benzo(b)fluoranthene	22.78	252	68	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	68	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	14335	0.00	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	25.69	276	21	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.78	278	59	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.42	276	24	0.00	ng/ul#	1

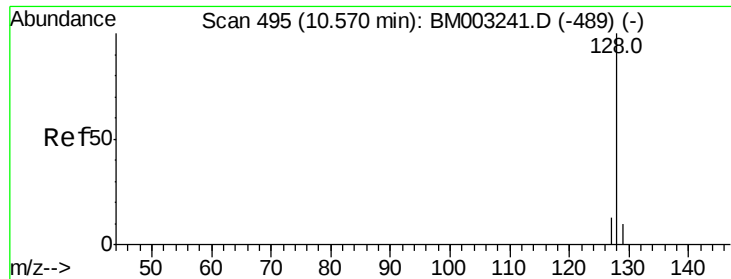
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

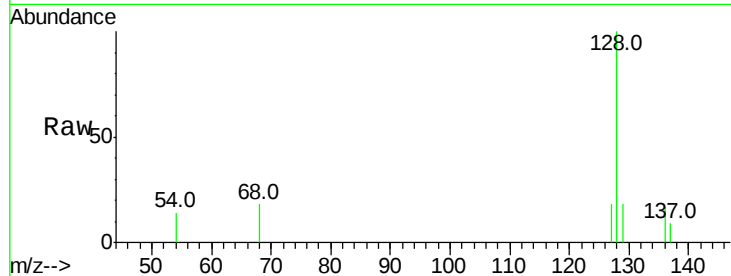
Tot Ion:128 Resp: 3019

Ion Ratio Lower Upper

128 100

129 17.8 9.0 13.6#

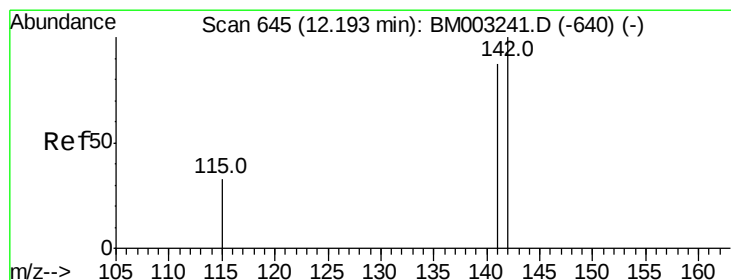
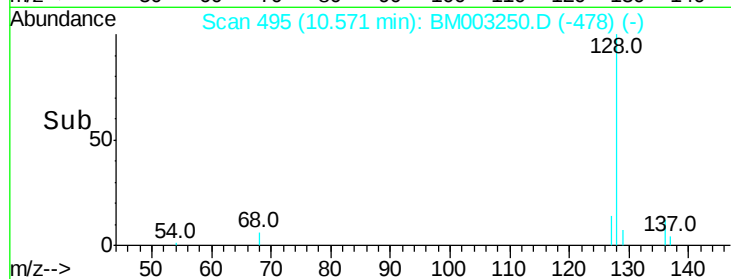
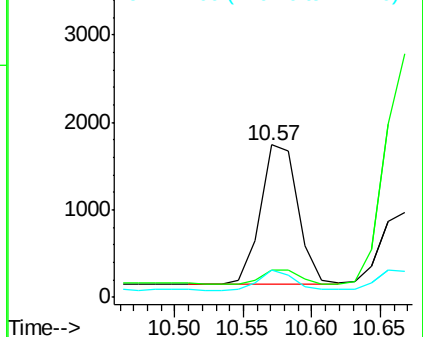
127 17.6 9.6 14.4#



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: BM003250.D

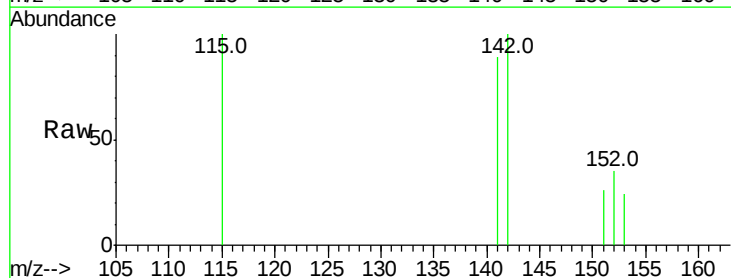
Acq: 21 Nov 2015 15:43

Tgt Ion:142 Resp: 360

Ion Ratio Lower Upper

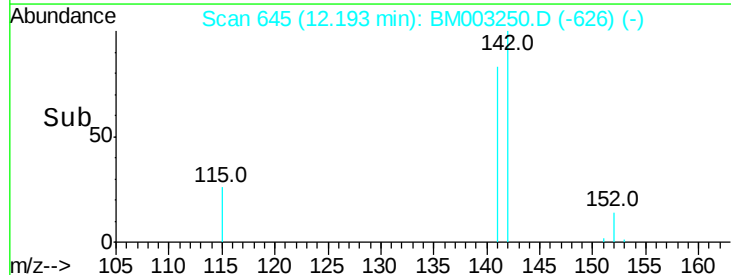
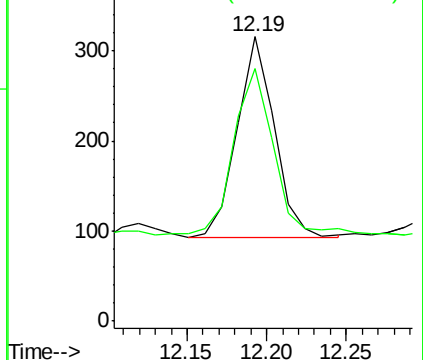
142 100

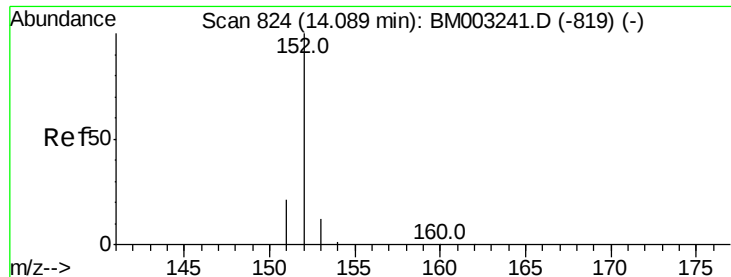
141 90.3 0.0 0.0#



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: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

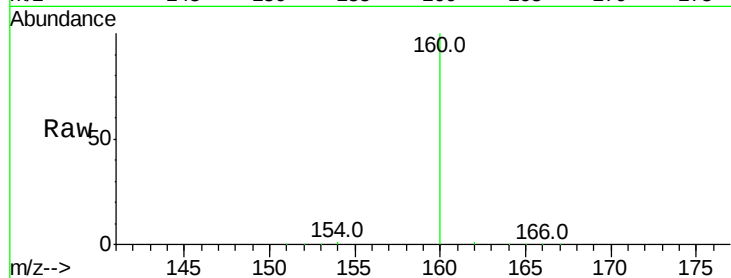
Tot Ion:152 Resp: 613

Ion Ratio Lower Upper

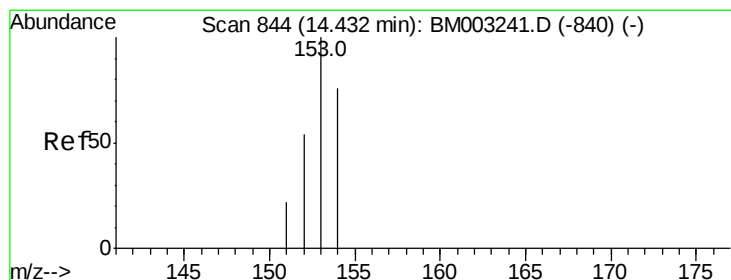
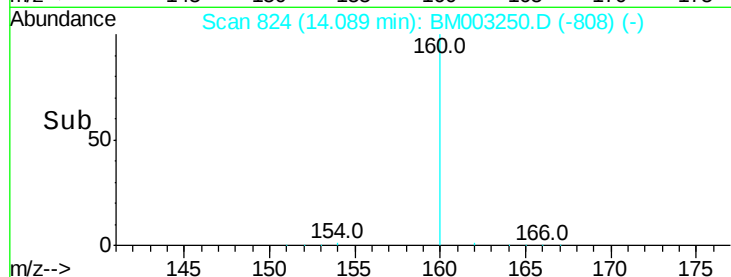
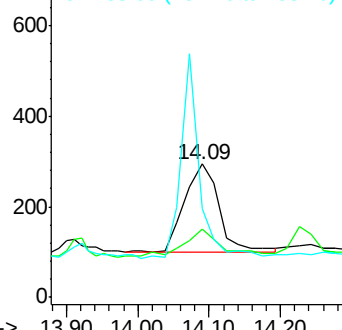
152 100

151 51.4 17.6 26.4#

153 67.0 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: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.02 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

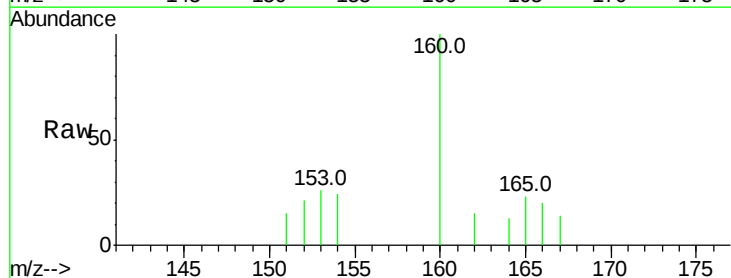
Tgt Ion:153 Resp: 295

Ion Ratio Lower Upper

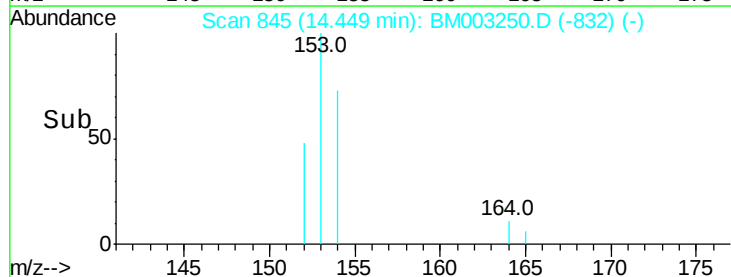
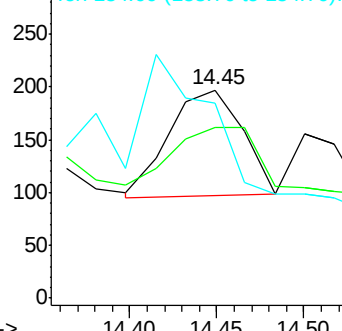
153 100

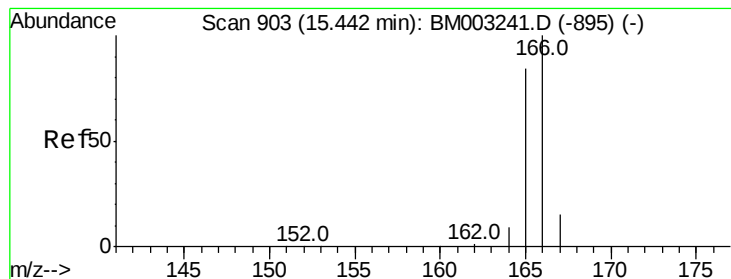
152 82.2 33.9 50.9#

154 93.9 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: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

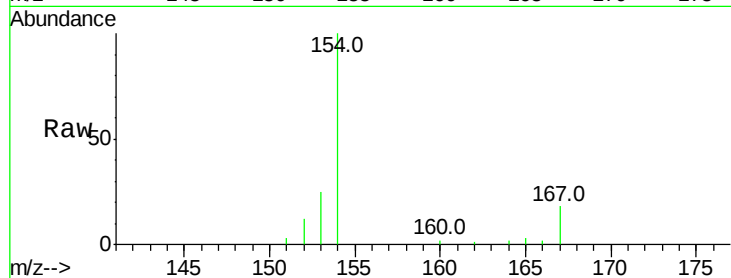
Tot Ion:166 Resp: 314

Ion Ratio Lower Upper

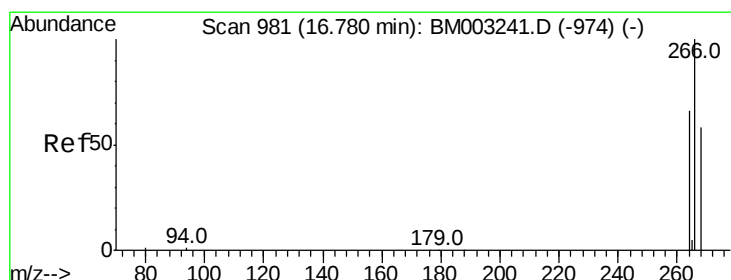
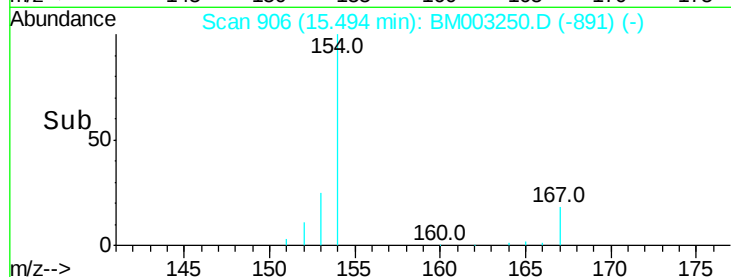
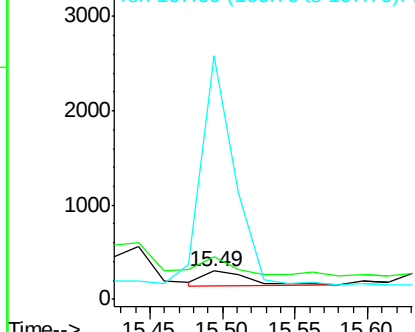
166 100

165 149.5 69.6 104.4#

167 858.1 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: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

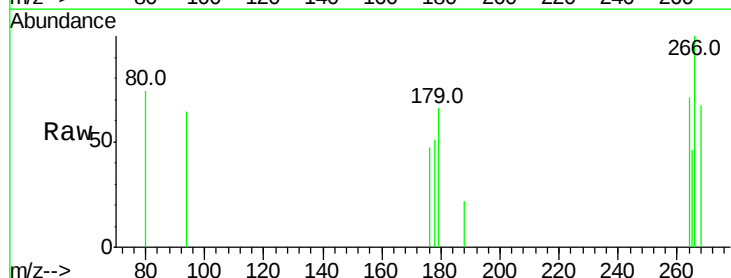
Tgt Ion:266 Resp: 565

Ion Ratio Lower Upper

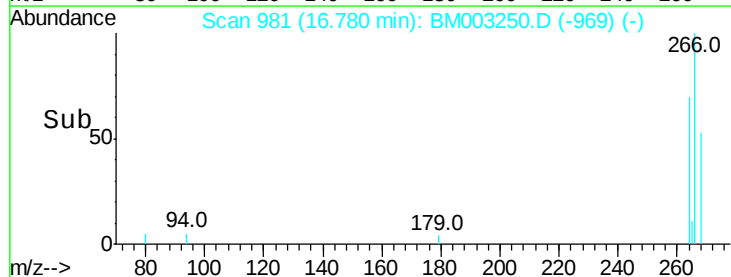
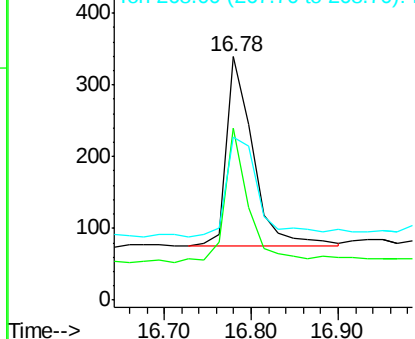
266 100

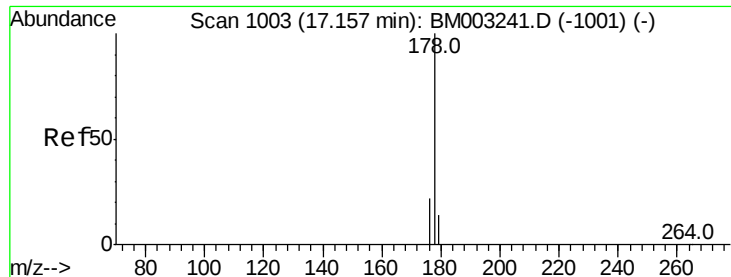
264 70.4 51.8 77.8

268 69.0 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: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

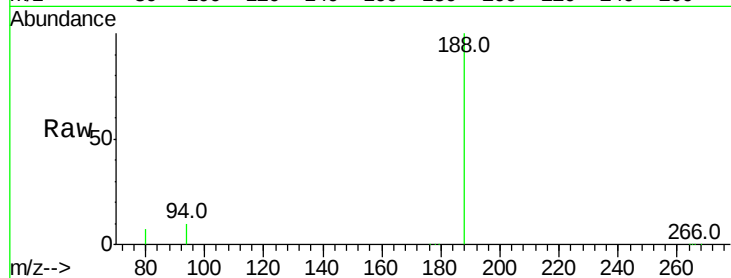
Tot Ion:178 Resp: 1769

Ion Ratio Lower Upper

178 100

176 14.8 13.0 19.4

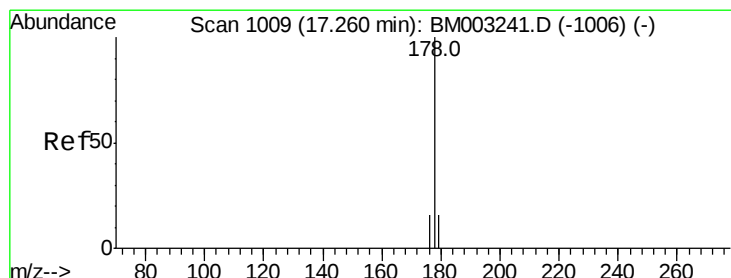
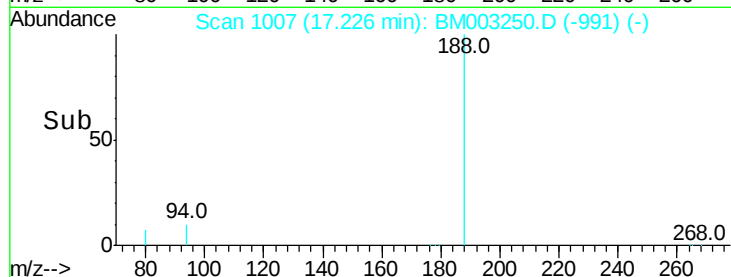
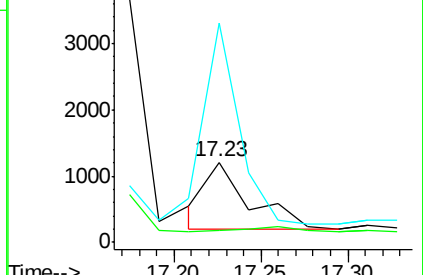
179 274.1 14.2 21.2#



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: 0.00 ng/ul

RT: 17.47 min Scan# 1021

Delta R.T. 0.21 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

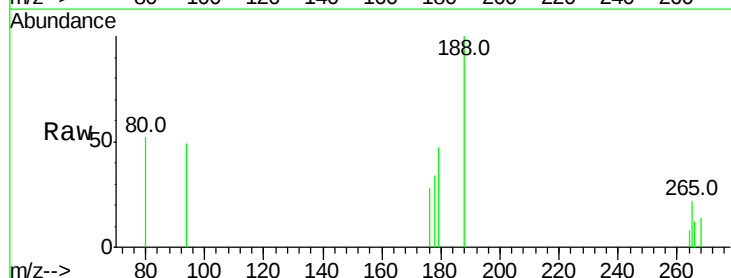
Tgt Ion:178 Resp: 126

Ion Ratio Lower Upper

178 100

176 84.2 14.0 21.0#

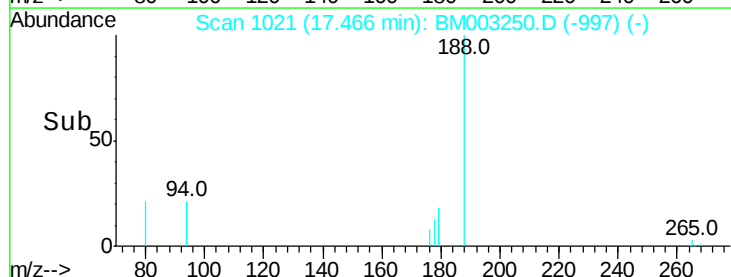
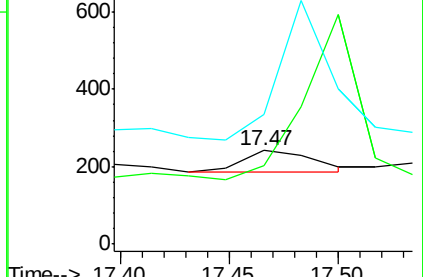
179 138.6 12.9 19.3#

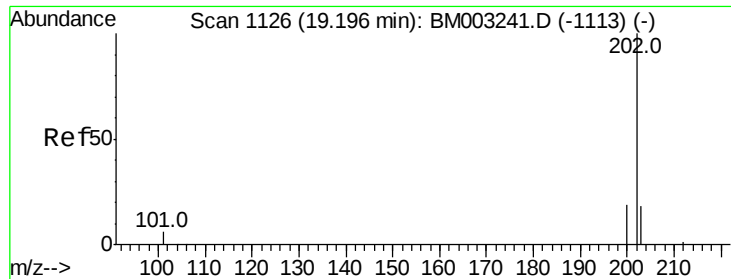


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

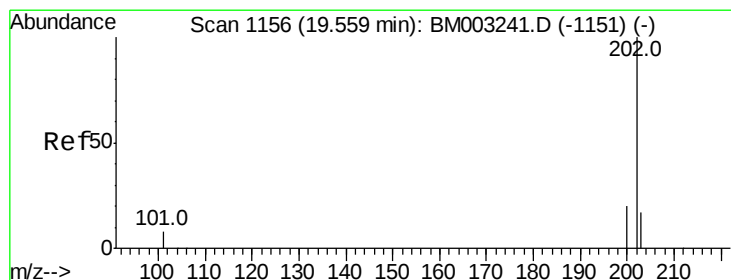
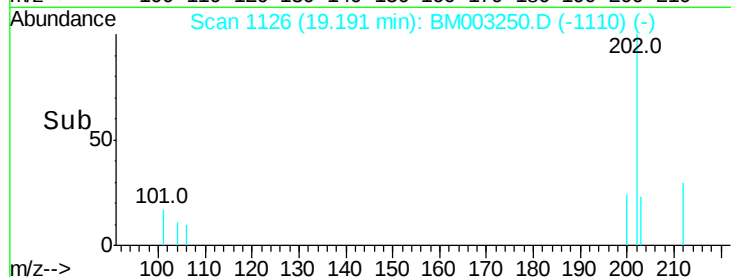
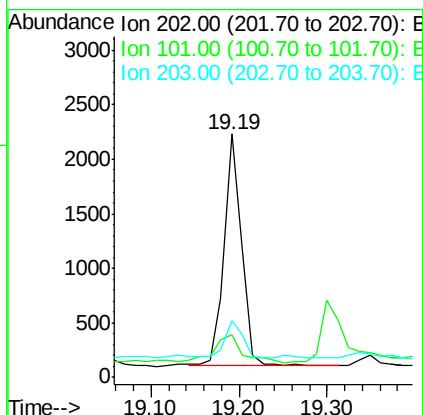
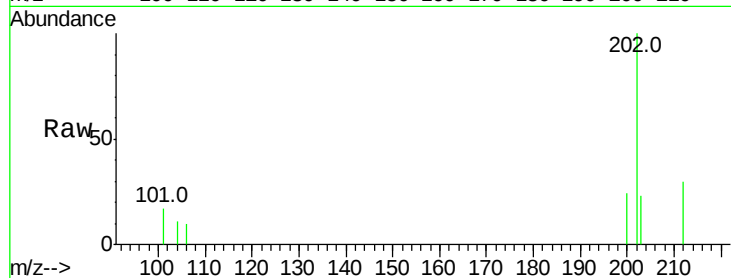




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003250.D
 Acq: 21 Nov 2015 15:43

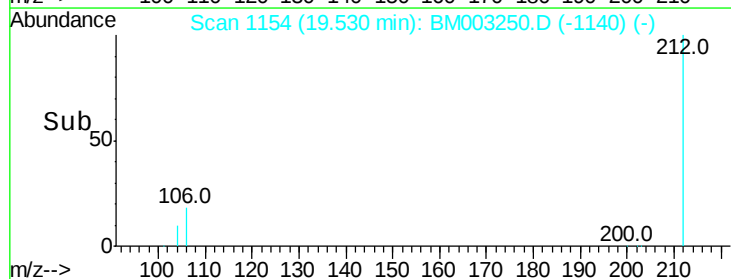
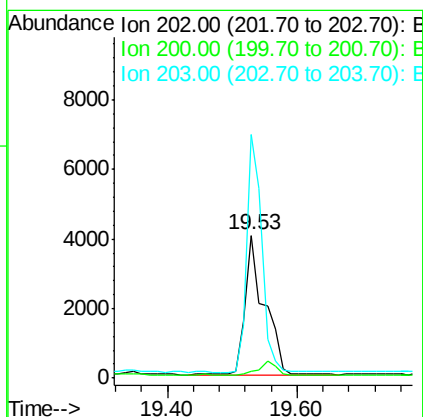
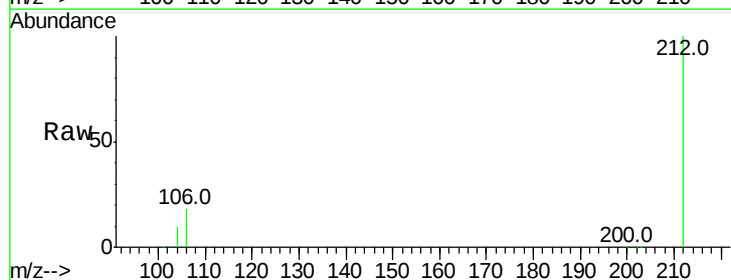
Instrument :
 BNA_M
 ClientSampleId :

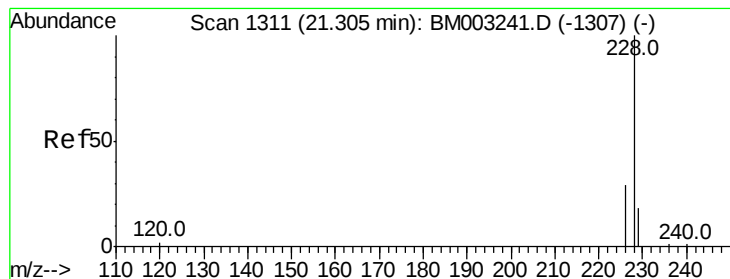
Tot Ion:202 Resp: 2942
 Ion Ratio Lower Upper
 202 100
 101 17.5 0.0 29.6
 203 23.3 0.0 36.3



#19
Pyrene
 Concen: 0.05 ng/ul
 RT: 19.53 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: BM003250.D
 Acq: 21 Nov 2015 15:43

Tgt Ion:202 Resp: 8198
 Ion Ratio Lower Upper
 202 100
 200 4.6 17.8 26.8#
 203 170.3 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampled :

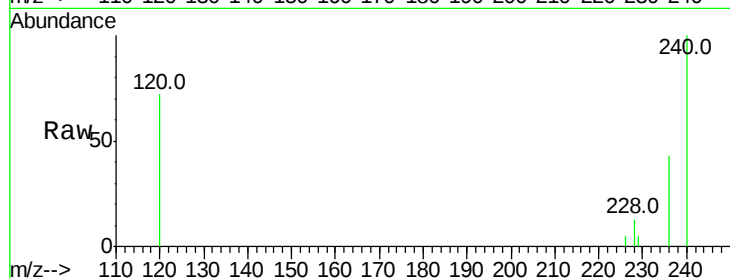
Tot Ion:228 Resp: 1228

Ion Ratio Lower Upper

228 100

226 40.7 18.8 28.2#

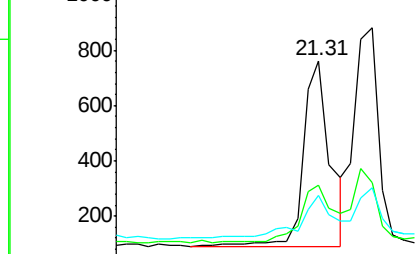
229 36.1 17.1 25.7#



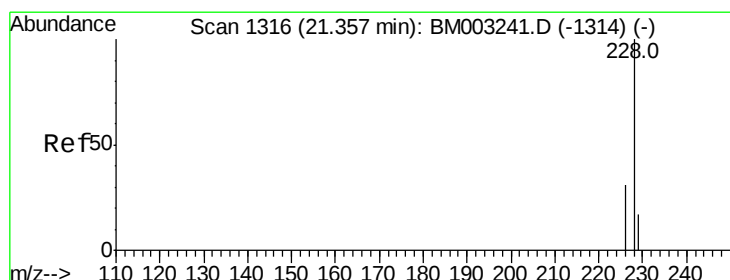
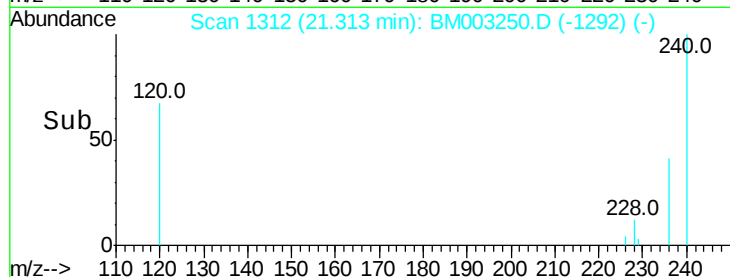
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

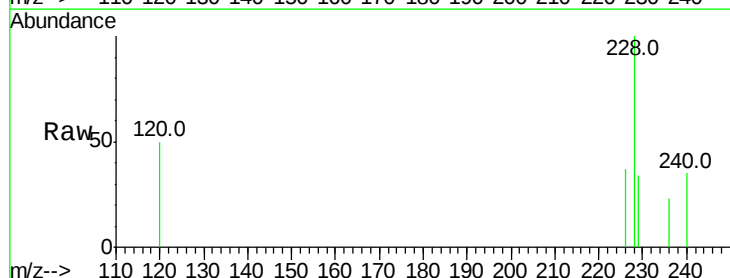
Tgt Ion:228 Resp: 1276

Ion Ratio Lower Upper

228 100

226 36.5 21.2 31.8#

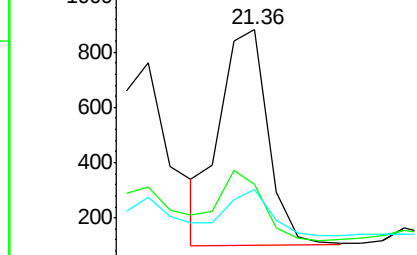
229 34.2 17.0 25.6#



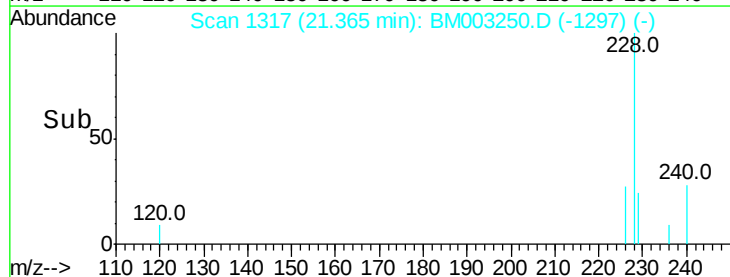
Abundance Ion 228.00 (227.70 to 228.70): E

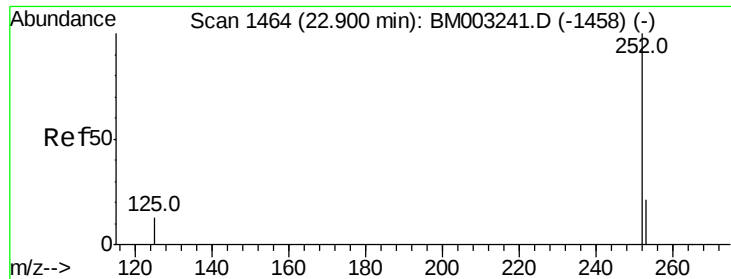
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1453

Delta R.T. -0.12 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

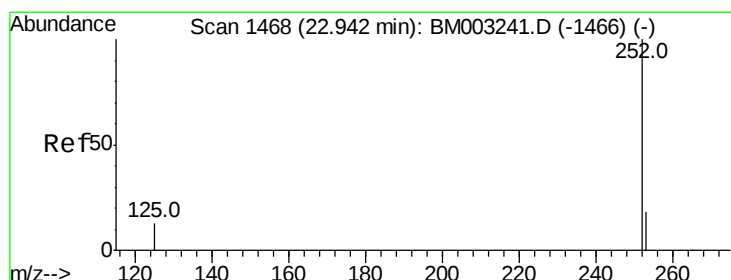
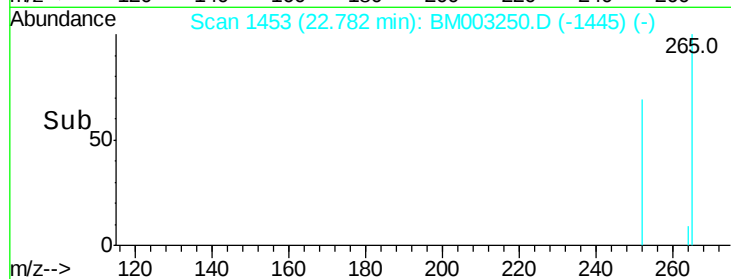
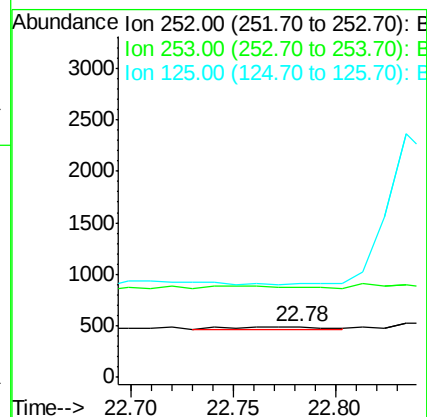
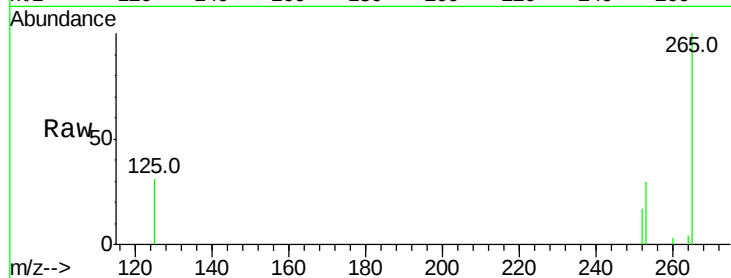
Tot Ion:252 Resp: 68

Ion Ratio Lower Upper

252 100

253 176.1 0.0 45.4#

125 185.4 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1453

Delta R.T. -0.16 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

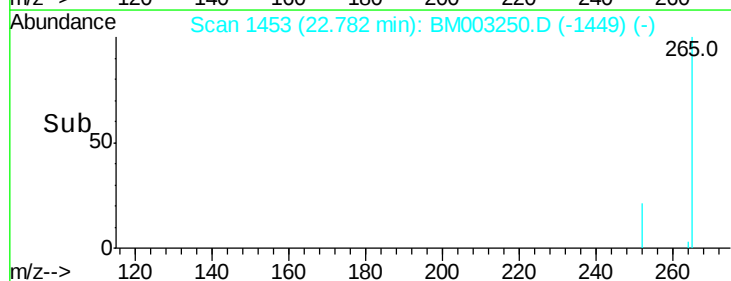
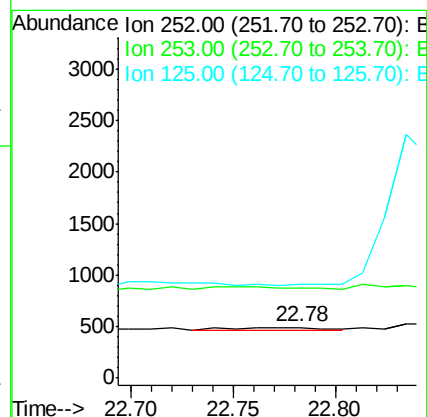
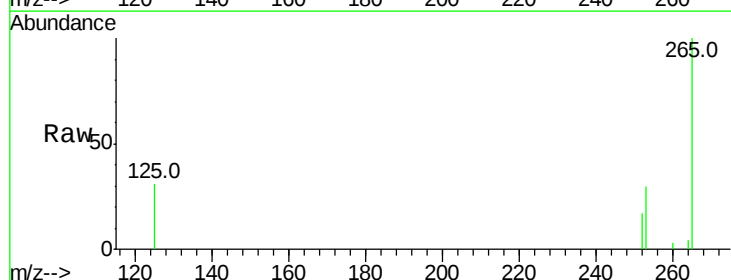
Tgt Ion:252 Resp: 68

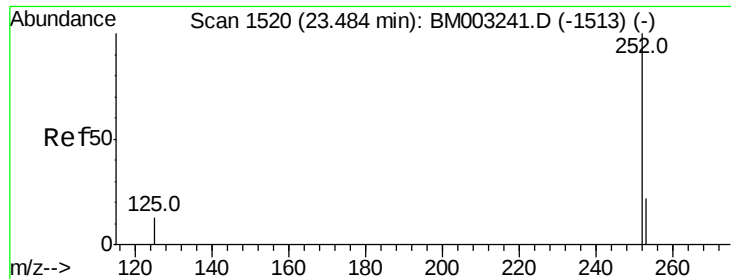
Ion Ratio Lower Upper

252 100

253 176.1 19.8 29.8#

125 185.4 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

Instrument :

BNA_M

ClientSampleId :

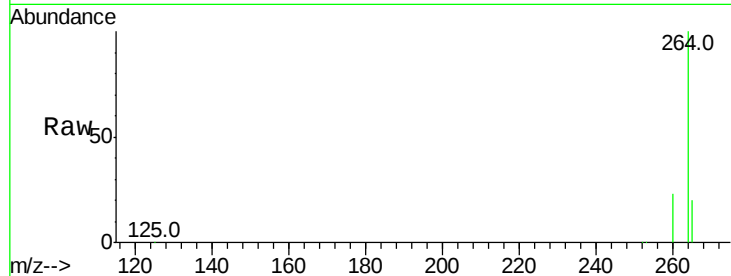
Tot Ion:252 Resp: 14335

Ion Ratio Lower Upper

252 100

253 36.1 19.4 29.2#

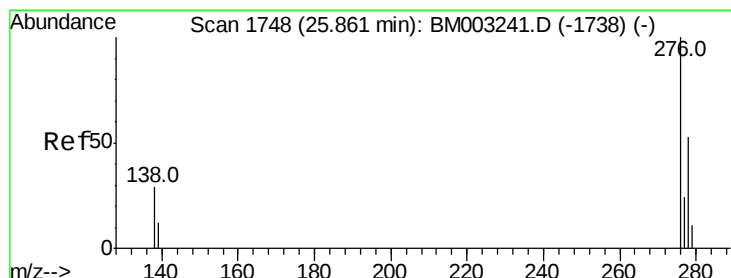
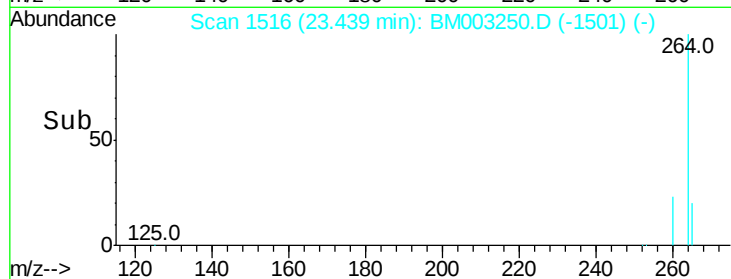
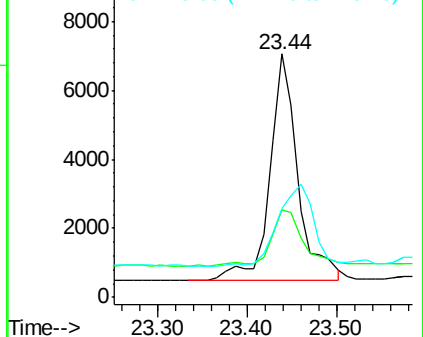
125 36.3 12.7 19.1#



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: 0.00 ng/u1

RT: 25.69 min Scan# 1732

Delta R.T. -0.17 min

Lab File: BM003250.D

Acq: 21 Nov 2015 15:43

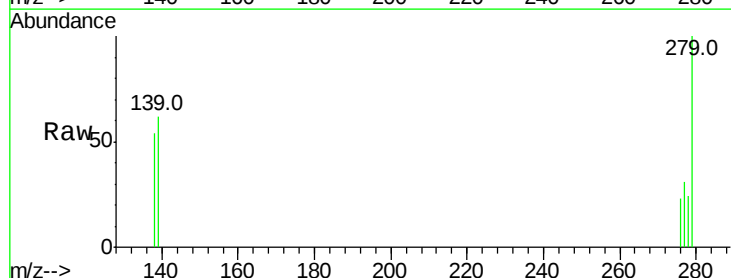
Tgt Ion:276 Resp: 21

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

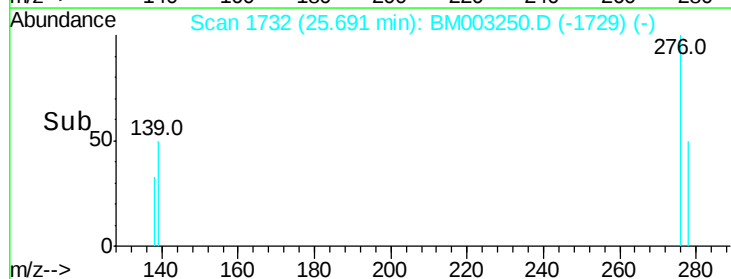
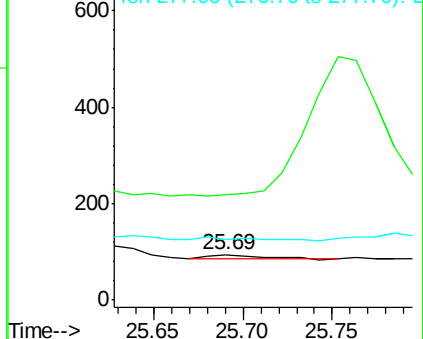
277 0.0 19.8 29.8#

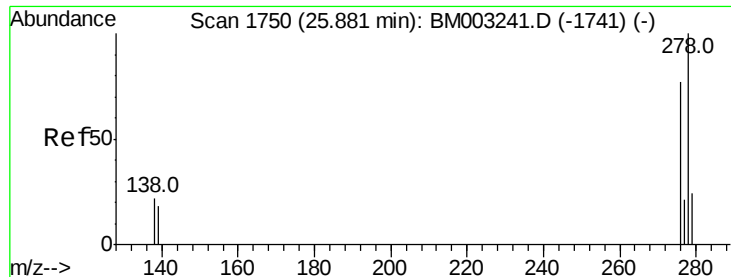


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



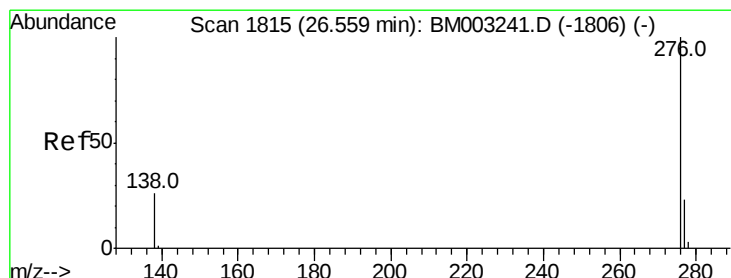
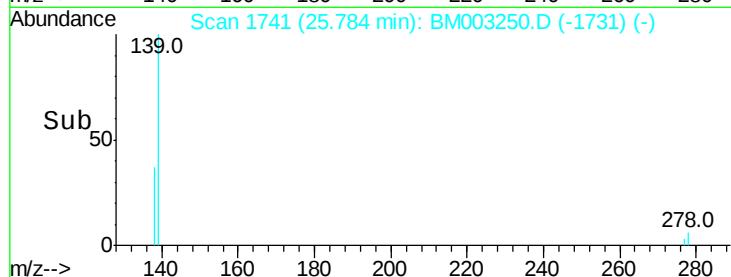
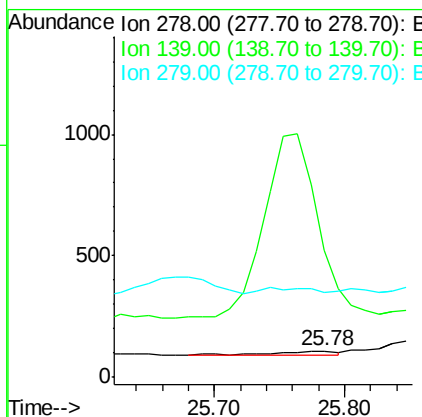
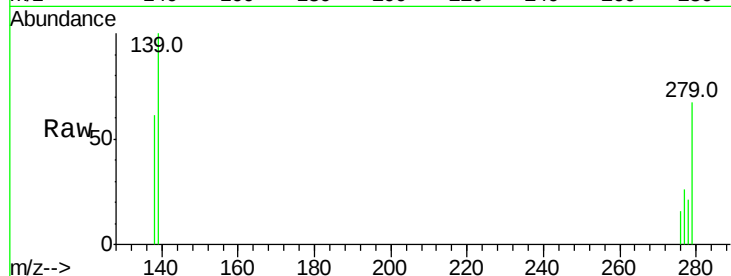


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.78 min Scan# 1741
Delta R.T. -0.10 min
Lab File: BM003250.D
Acq: 21 Nov 2015 15:43

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 59

Ion	Ratio	Lower	Upper
278	100		
139	481.7	16.4	24.6#
279	322.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.42 min Scan# 1802
Delta R.T. -0.14 min
Lab File: BM003250.D
Acq: 21 Nov 2015 15:43

Tgt Ion:276 Resp: 24

Ion	Ratio	Lower	Upper
276	100		
277	137.4	18.9	28.3#
138	246.2	22.5	33.7#

