

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003219.D
 Acq On : 20 Nov 2015 12:45
 Operator : UM/IZ
 Sample : G4323-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J01

Quant Time: Nov 21 03:29:43 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 : Sat Nov 21 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13448	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	50805	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25233	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	52219	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	50760	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	48846	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.16	96	519	0.04	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	20690	0.30	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	50192	0.39	ng/ul	0.00

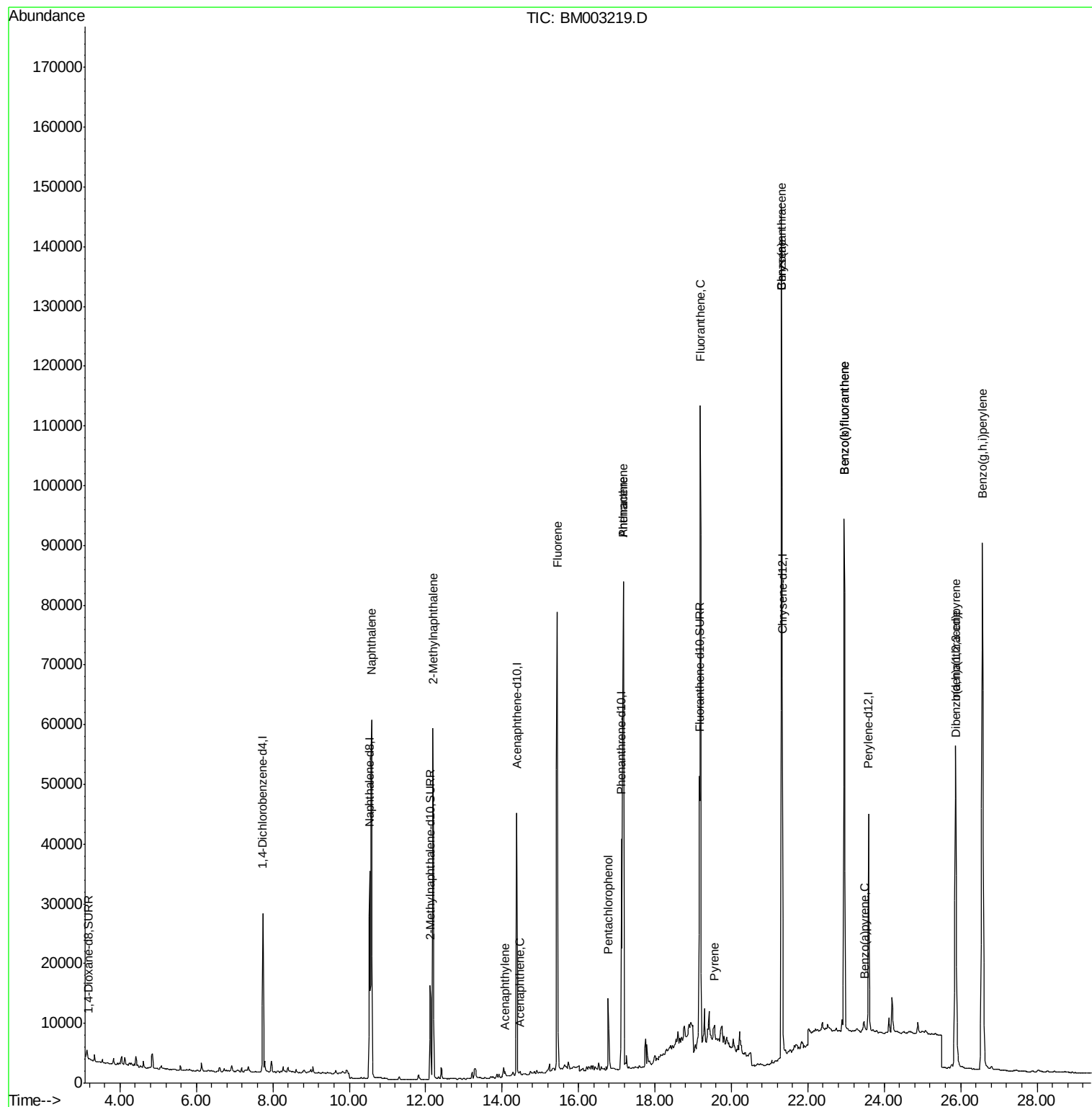
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	89181	0.68	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	42763	0.50	ng/ul#	100
9) Acenaphthylene	14.09	152	350	0.00	ng/ul#	1
10) Acenaphthene	14.47	153	356	0.00	ng/ul#	44
11) Fluorene	15.44	166	62845	0.65	ng/ul	99
13) Pentachlorophenol	16.78	266	9959	0.81	ng/ul	96
14) Phenanthrene	17.17	178	113014	0.75	ng/ul	99
15) Anthracene	17.17	178	112997	0.89	ng/ul	98
17) Fluoranthene	19.19	202	109010	0.65	ng/ul	94
19) Pyrene	19.57	202	3579	0.02	ng/ul#	26
20) Benzo(a)anthracene	21.31	228	121429	0.82	ng/ul	94
21) Chrysene	21.31	228	121429	0.73	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	115295	0.62	ng/ul	97
24) Benzo(k)fluoranthene	22.95	252	115693	0.66	ng/ul#	93
25) Benzo(a)pyrene	23.48	252	344	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.87	276	105694	0.54	ng/ul	95
27) Dibenzo(a,h)anthracene	25.88	278	3509	0.02	ng/ul#	1
28) Benzo(g,h,i)perylene	26.57	276	183633	1.06	ng/ul	99

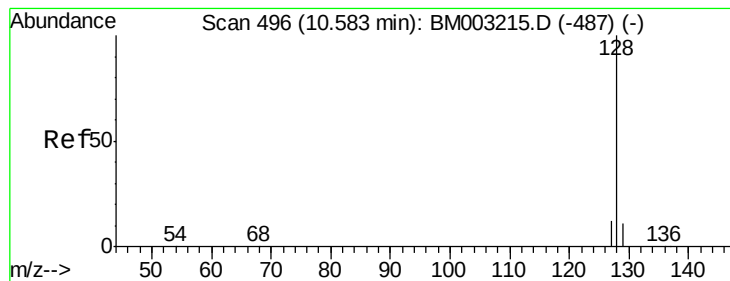
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.68 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

Instrument :

BNA_M

ClientSampleId :

A4J01

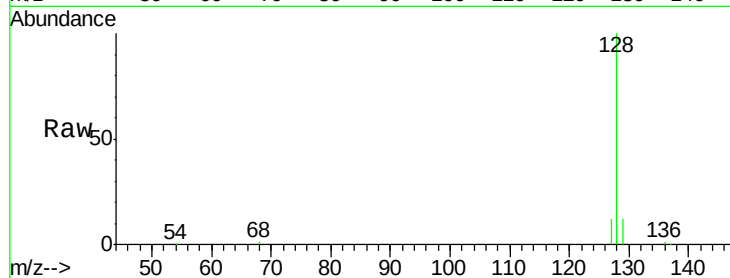
Tgt Ion:128 Resp: 89181

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

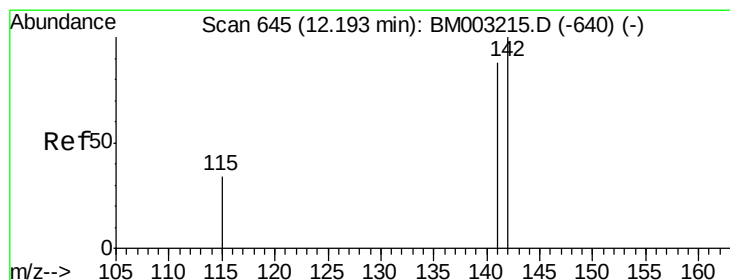
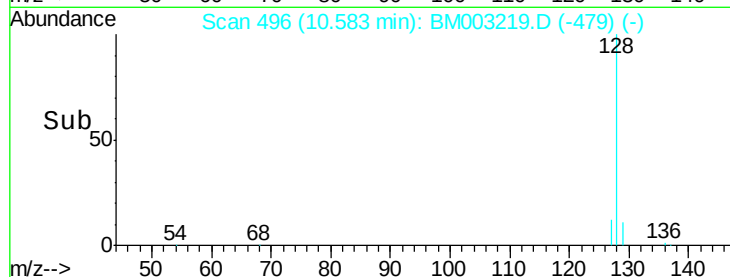
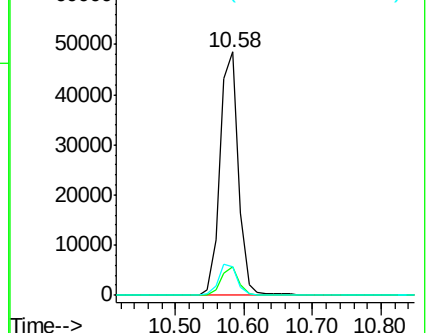
127 11.9 9.6 14.4



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: 0.50 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003219.D

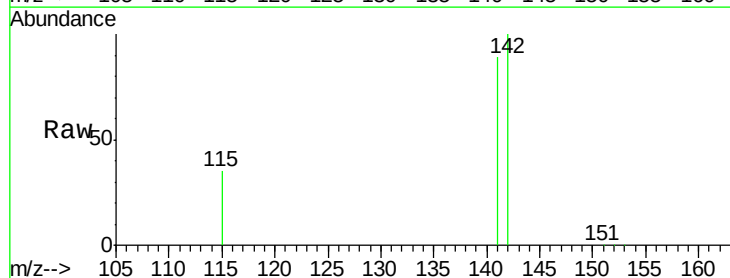
Acq: 20 Nov 2015 12:45

Tgt Ion:142 Resp: 42763

Ion Ratio Lower Upper

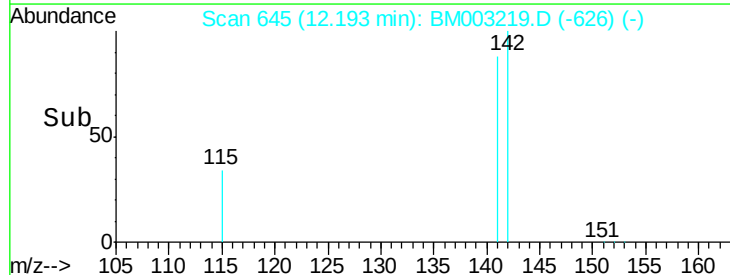
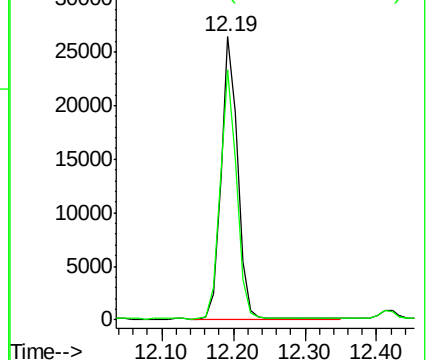
142 100

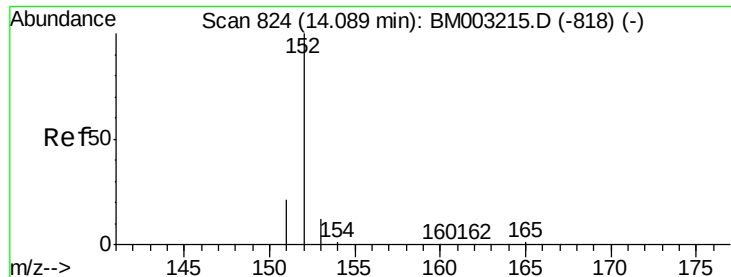
141 88.0 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

Instrument :

BNA_M

ClientSampleId :

A4J01

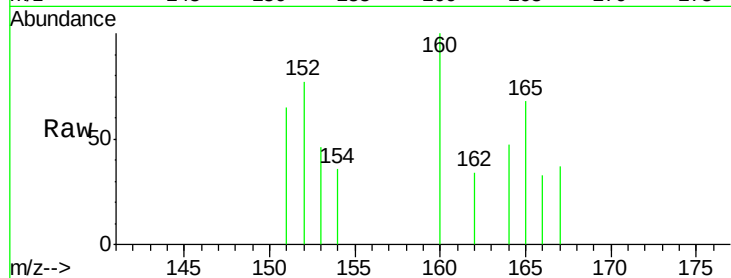
Tgt Ion:152 Resp: 350

Ion Ratio Lower Upper

152 100

151 83.9 17.6 26.4#

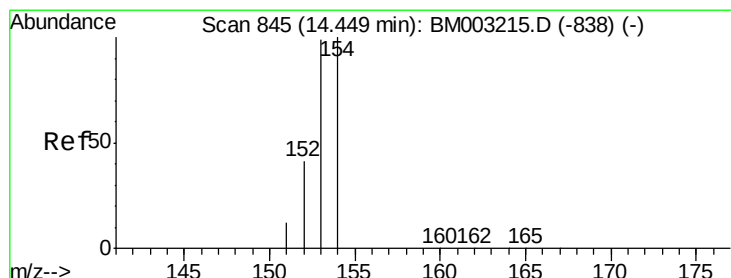
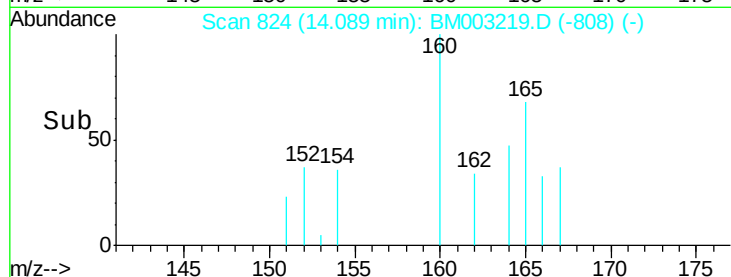
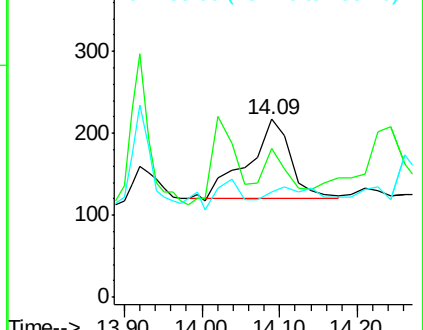
153 59.0 9.7 14.5#



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: 14.47 min Scan# 846

Delta R.T. 0.02 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

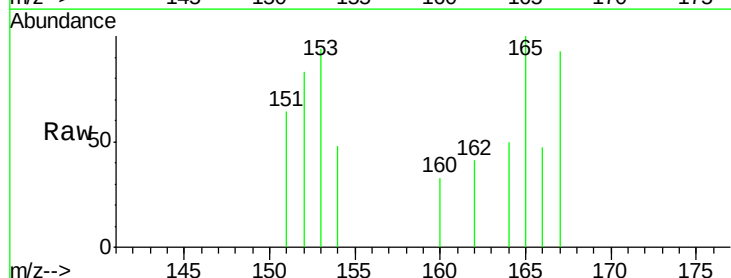
Tgt Ion:153 Resp: 356

Ion Ratio Lower Upper

153 100

152 88.5 33.9 50.9#

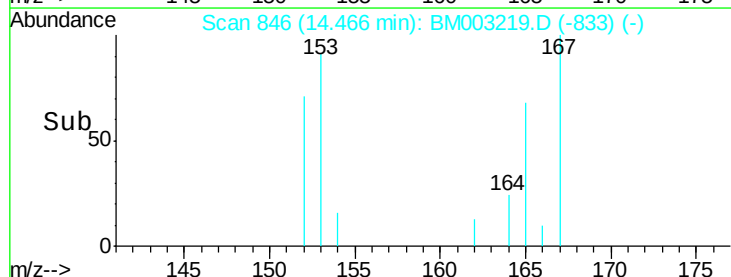
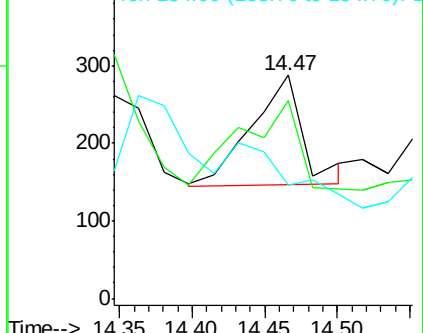
154 51.0 80.6 121.0#

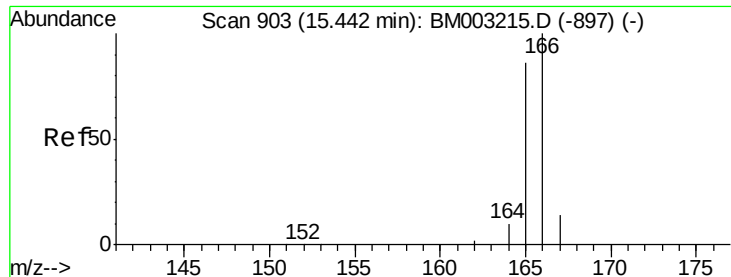


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

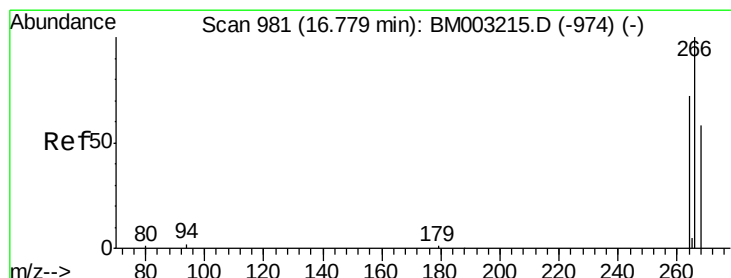
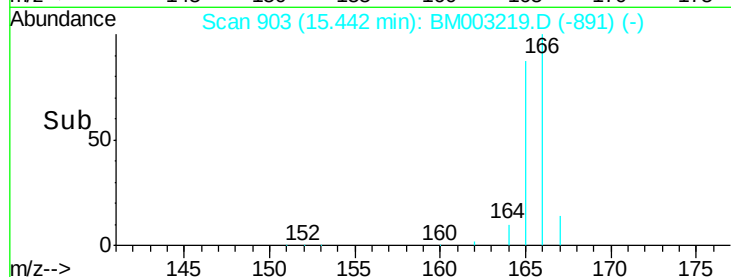
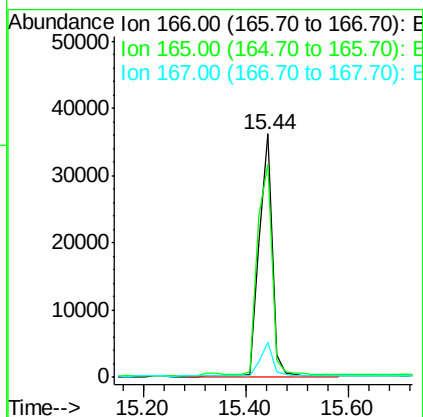
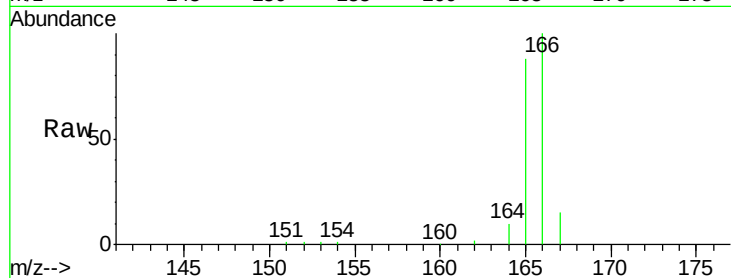




#11
Fluorene
Concen: 0.65 ng/ul
RT: 15.44 min Scan# 903
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

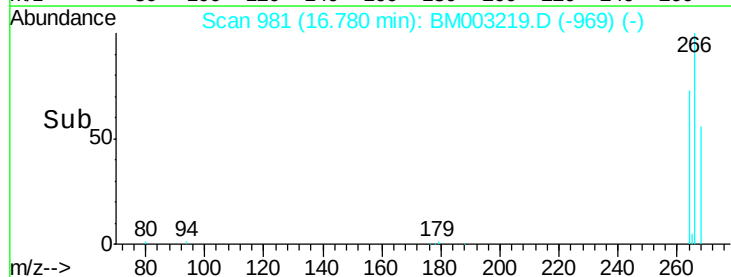
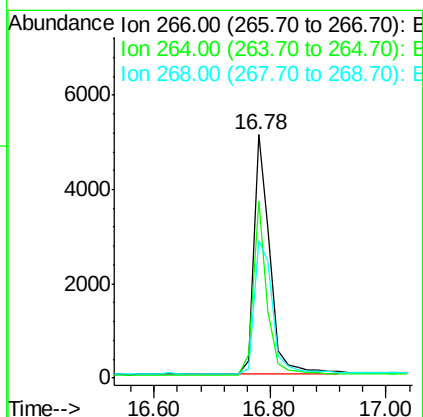
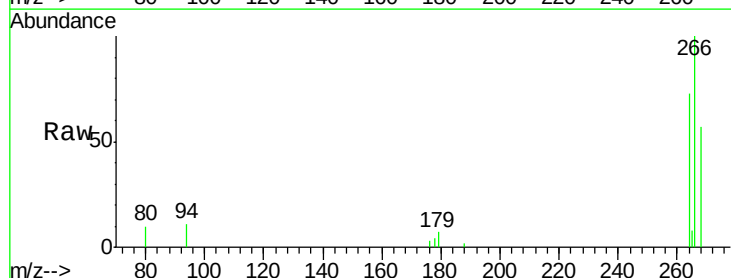
Instrument :
BNA_M
ClientSampleId :
A4J01

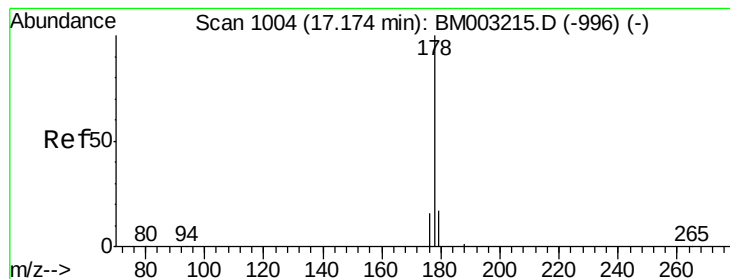
Tgt Ion:166 Resp: 62845
Ion Ratio Lower Upper
166 100
165 87.7 69.6 104.4
167 14.5 11.9 17.9



#13
Pentachlorophenol
Concen: 0.81 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

Tgt Ion:266 Resp: 9959
Ion Ratio Lower Upper
266 100
264 63.2 51.8 77.8
268 63.2 46.8 70.2





#14

Phenanthrene

Concen: 0.75 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

Instrument :

BNA_M

ClientSampleId :

A4J01

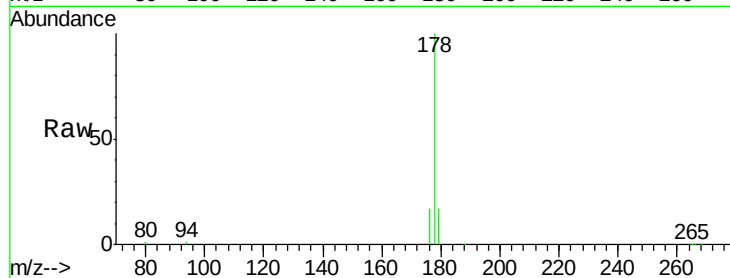
Tgt Ion:178 Resp: 113014

Ion Ratio Lower Upper

178 100

176 16.9 13.0 19.4

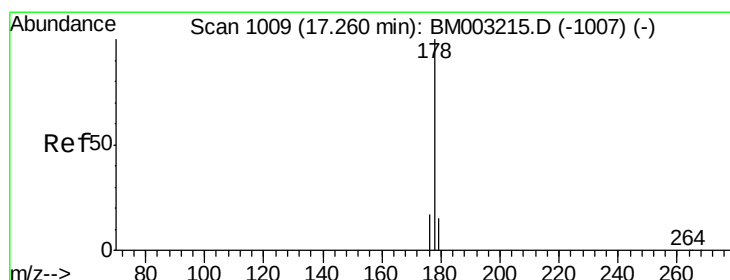
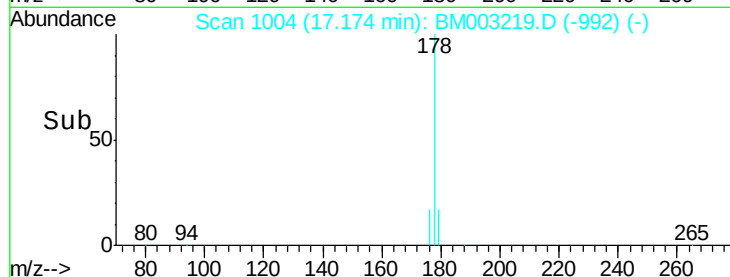
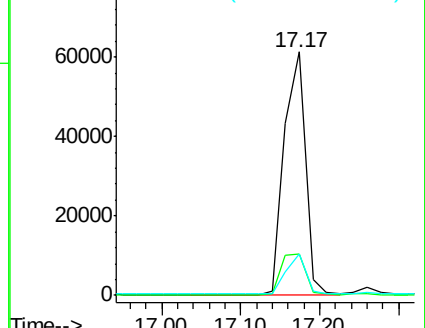
179 17.2 14.2 21.2



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: 0.89 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

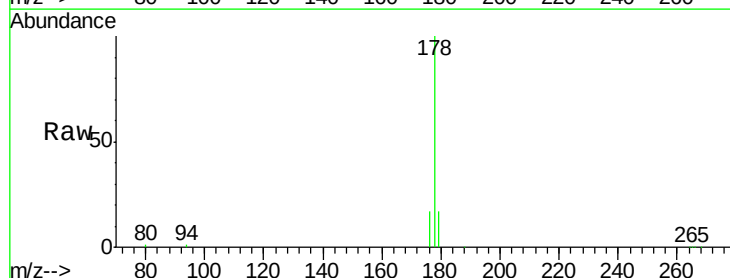
Tgt Ion:178 Resp: 112997

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

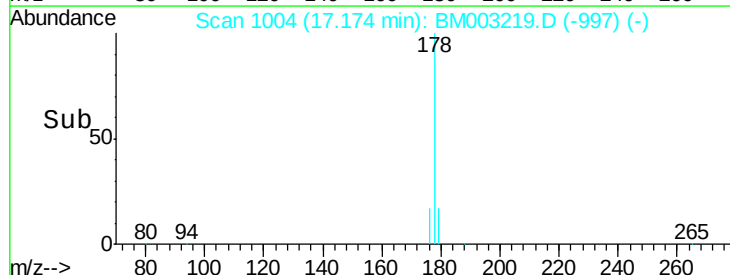
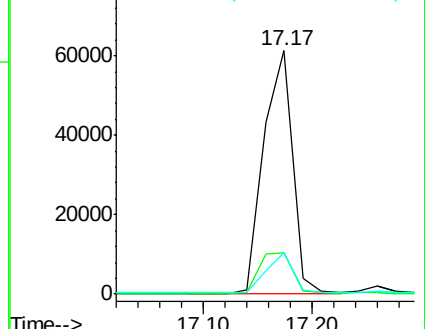
179 17.2 12.9 19.3

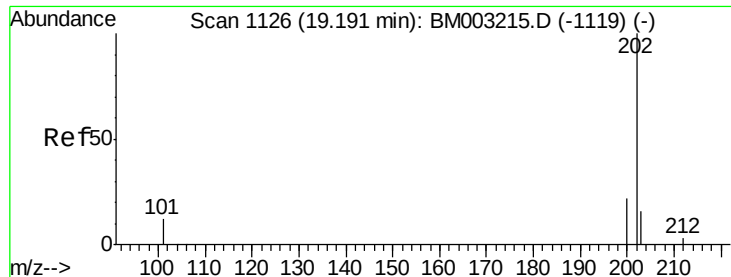


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

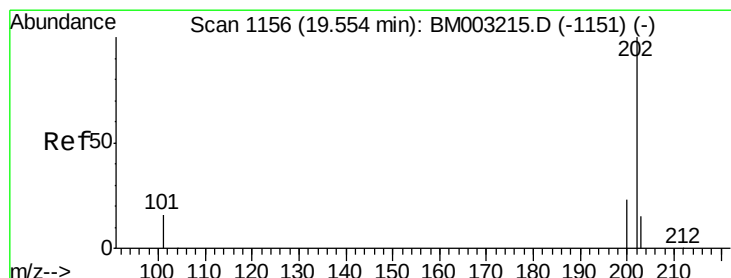
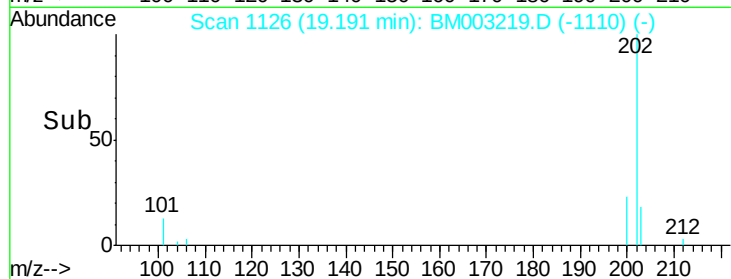
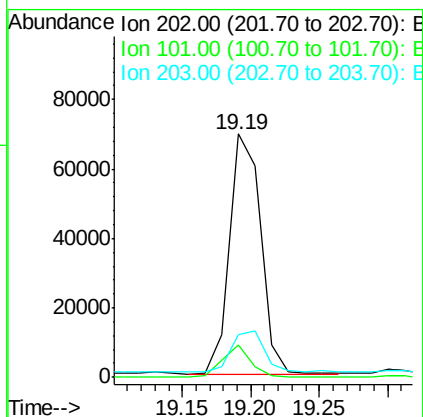
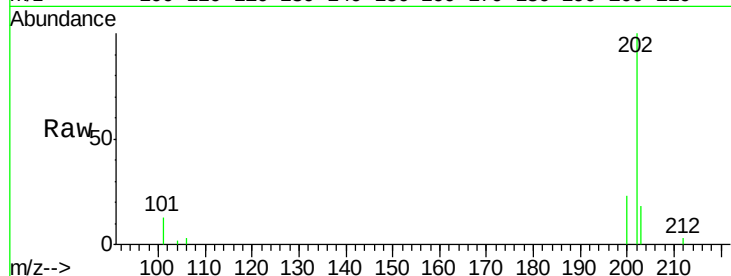




#17
Fluoranthene
Concen: 0.65 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

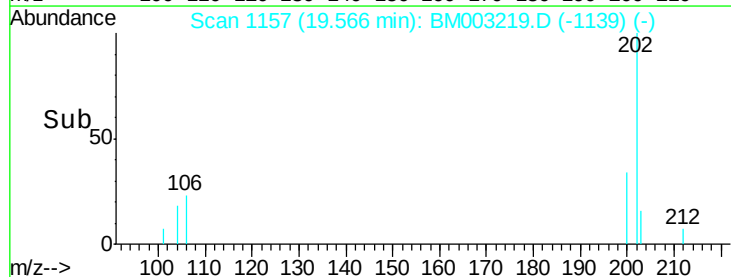
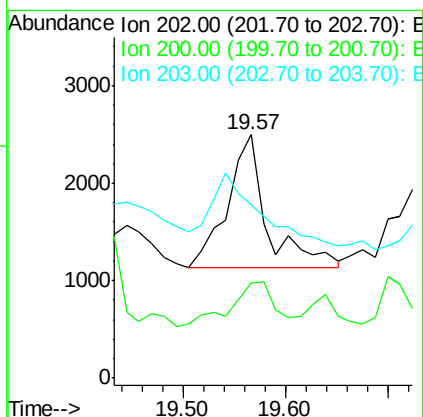
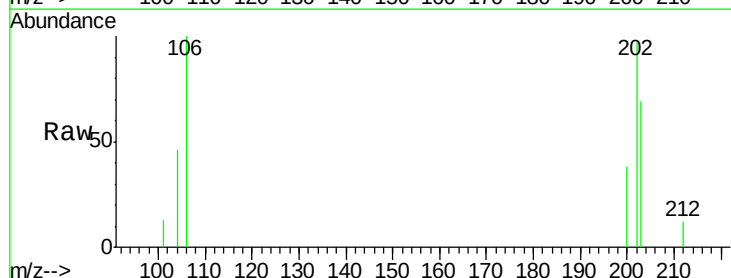
Instrument :
BNA_M
ClientSampleId :
A4J01

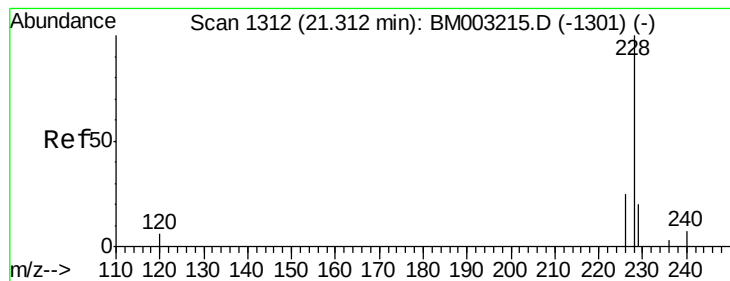
Tgt Ion: 202 Resp: 109010
Ion Ratio Lower Upper
202 100
101 13.4 0.0 29.6
203 17.8 0.0 36.3



#19
Pyrene
Concen: 0.02 ng/ul
RT: 19.57 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

Tgt Ion: 202 Resp: 3579
Ion Ratio Lower Upper
202 100
200 38.9 17.8 26.8#
203 71.2 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

Instrument :

BNA_M

ClientSampleId :

A4J01

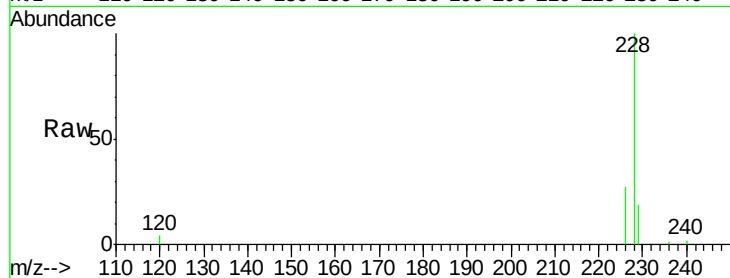
Tgt Ion:228 Resp: 121429

Ion Ratio Lower Upper

228 100

226 26.9 18.8 28.2

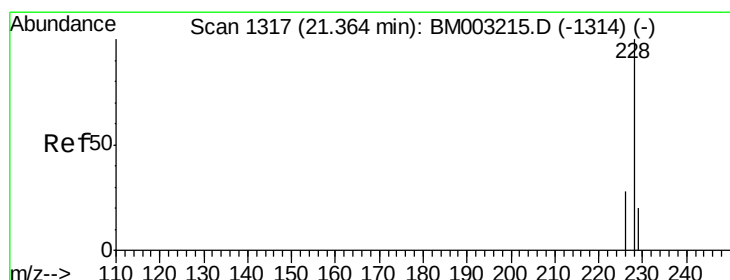
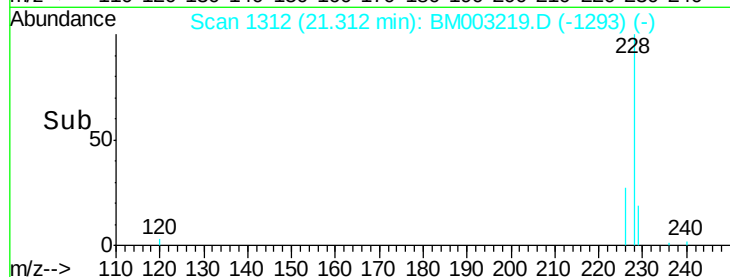
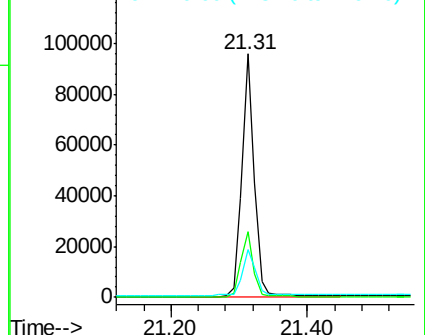
229 19.5 17.1 25.7



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: 0.73 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

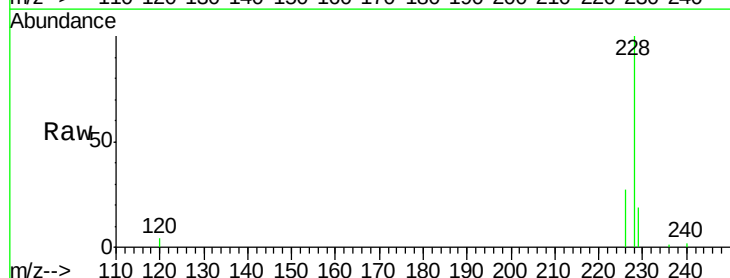
Tgt Ion:228 Resp: 121429

Ion Ratio Lower Upper

228 100

226 26.9 21.2 31.8

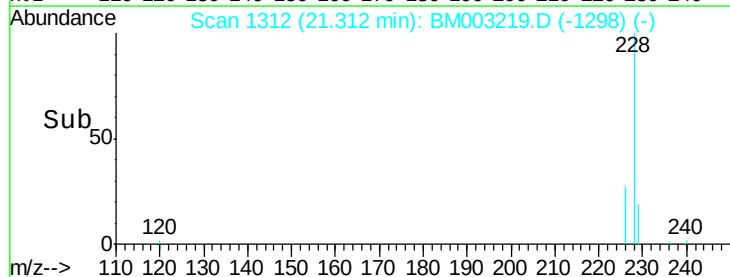
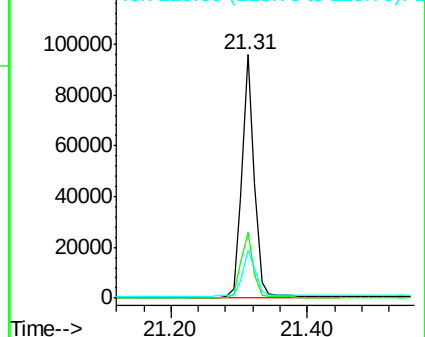
229 19.5 17.0 25.6

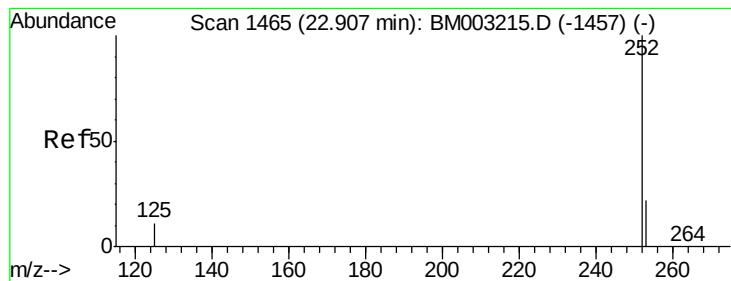


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.62 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. 0.04 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

Instrument :

BNA_M

ClientSampleId :

A4J01

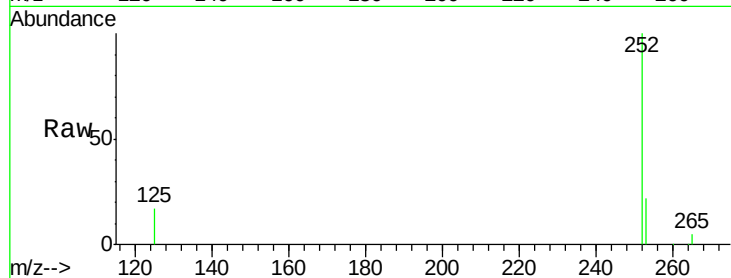
Tgt Ion:252 Resp: 115295

Ion Ratio Lower Upper

252 100

253 22.2 0.0 45.4

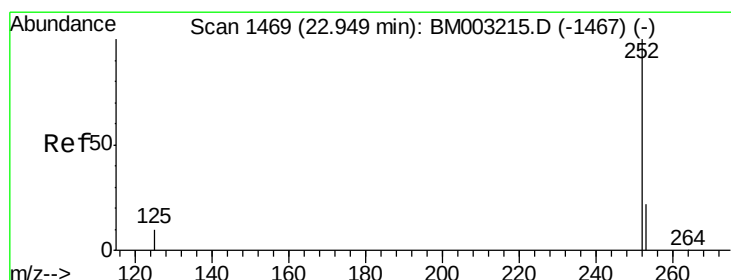
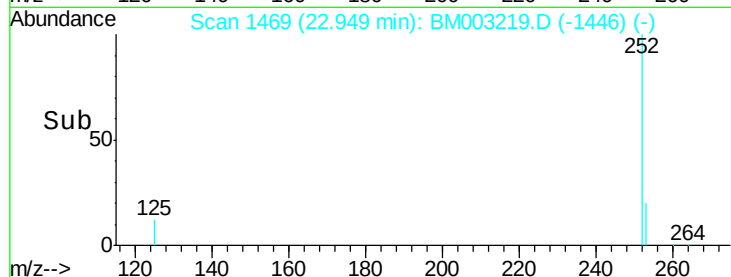
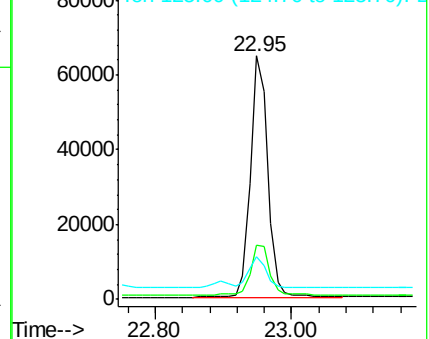
125 17.4 0.0 28.8



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: 0.66 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BM003219.D

Acq: 20 Nov 2015 12:45

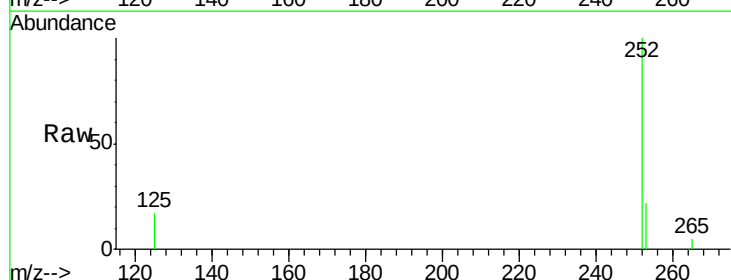
Tgt Ion:252 Resp: 115693

Ion Ratio Lower Upper

252 100

253 22.2 19.8 29.8

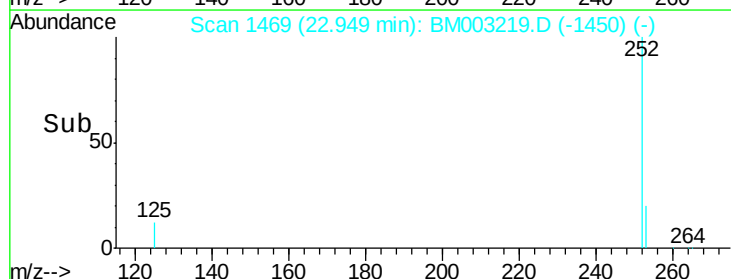
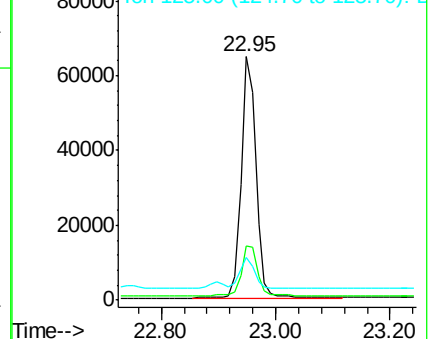
125 17.4 10.4 15.6#

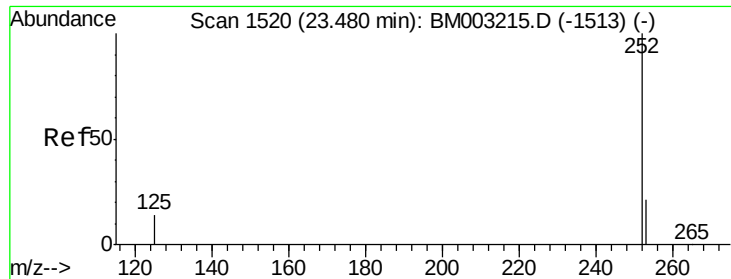


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

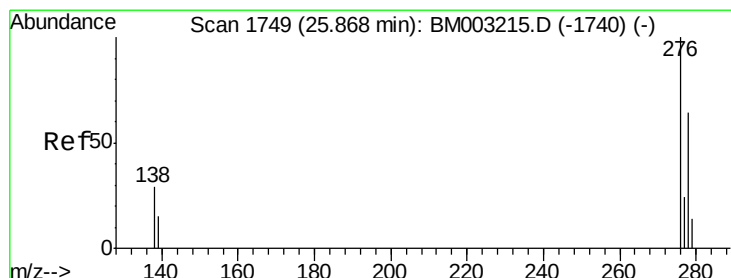
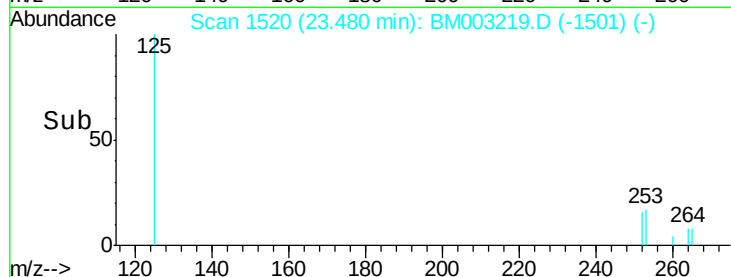
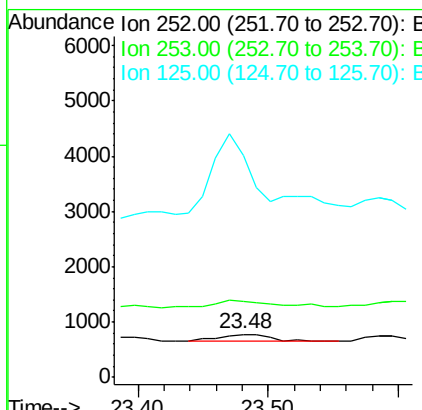
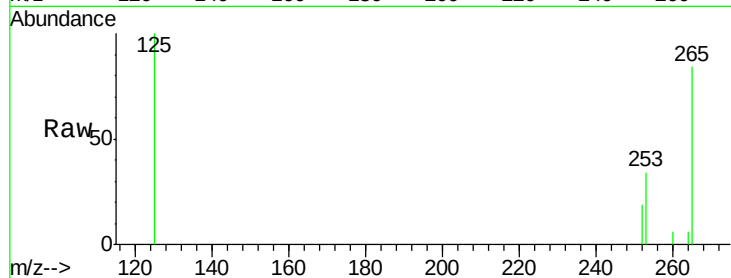




#25
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

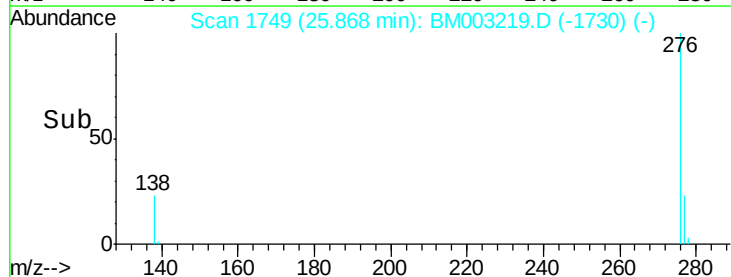
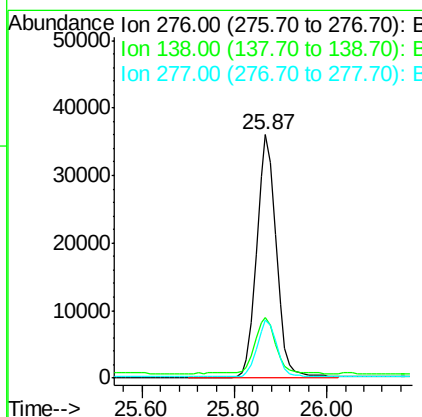
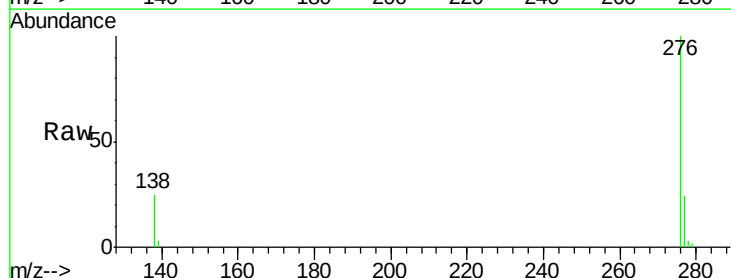
Instrument :
BNA_M
ClientSampleId :
A4J01

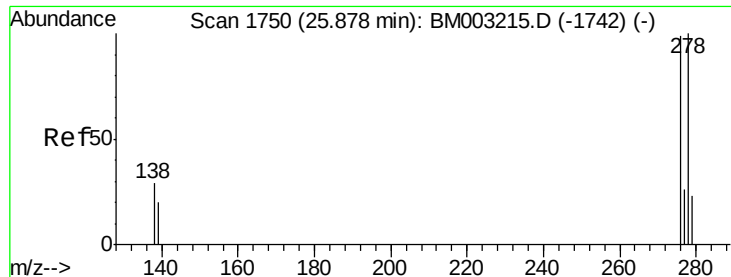
Tgt Ion: 252 Resp: 344
Ion Ratio Lower Upper
252 100
253 176.1 19.4 29.2#
125 519.3 12.7 19.1#



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.54 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

Tgt Ion: 276 Resp: 105694
Ion Ratio Lower Upper
276 100
138 24.1 16.3 24.5
277 23.6 19.8 29.8

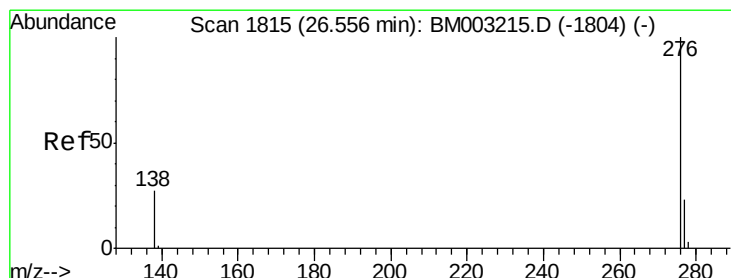
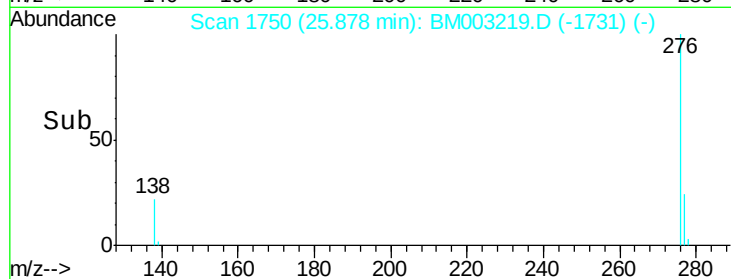
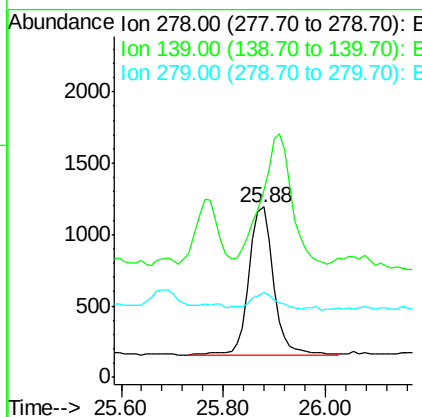
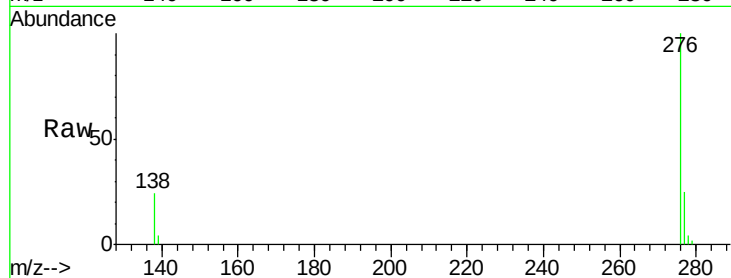




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

Instrument :
BNA_M
ClientSampleId :
A4J01

Tgt Ion: 278 Resp: 3509
Ion Ratio Lower Upper
278 100
139 109.8 16.4 24.6#
279 49.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 1.06 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM003219.D
Acq: 20 Nov 2015 12:45

Tgt Ion: 276 Resp: 183633
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 28.8 22.5 33.7

