

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003218.D
 Acq On : 20 Nov 2015 11:58
 Operator : UM/IZ
 Sample : G4309-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9KK2

Quant Time: Nov 21 03:29:25 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	12069	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	45712	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	23329	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	51073	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	50767	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	47168	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	295	0.02	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	17931	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	50053	0.40	ng/ul	0.00

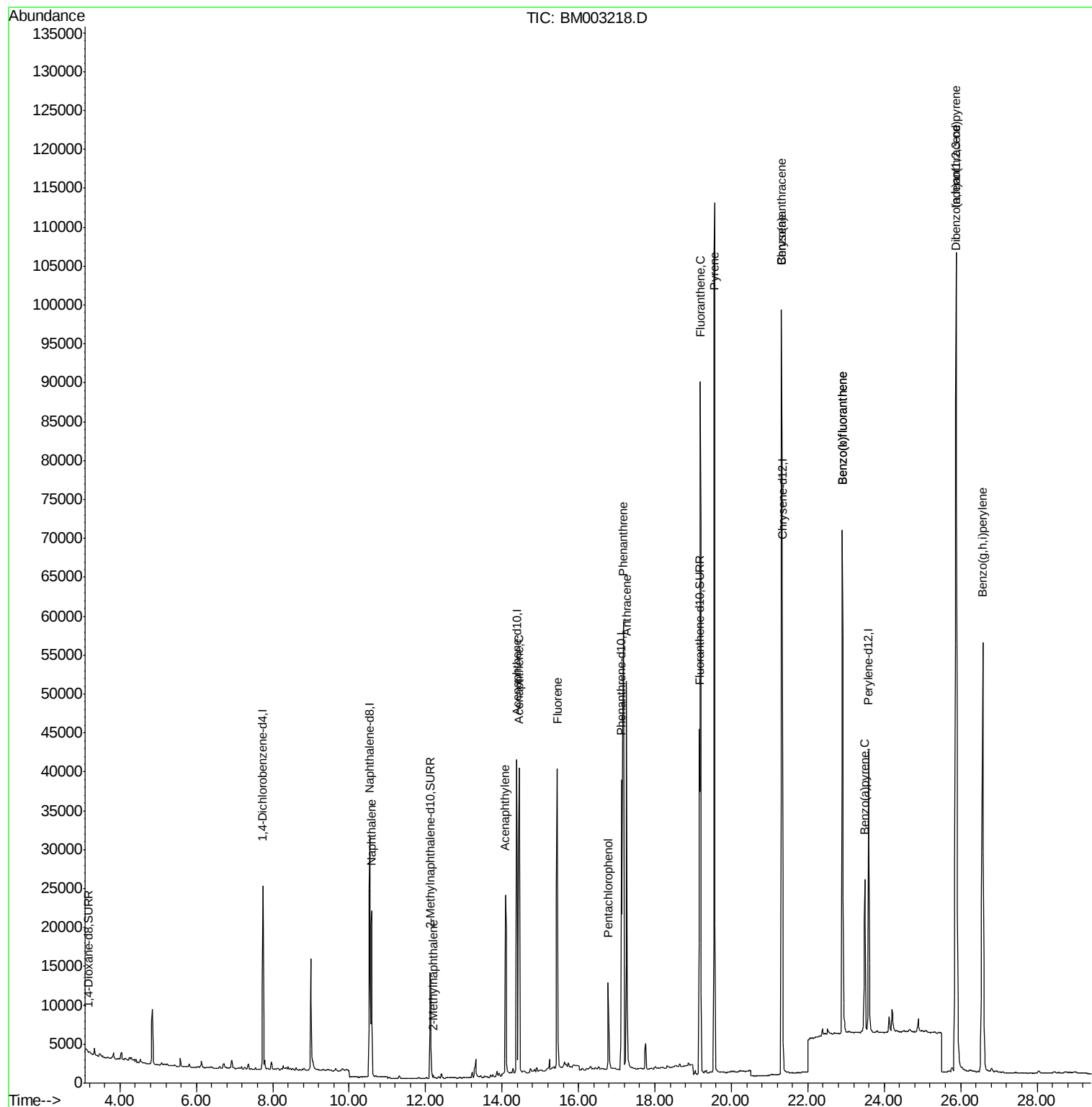
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	31832	0.27	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	297	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	32420	0.33	ng/ul	99
10) Acenaphthene	14.45	153	29284	0.36	ng/ul	99
11) Fluorene	15.44	166	30525	0.34	ng/ul	99
13) Pentachlorophenol	16.78	266	8941	0.74	ng/ul	96
14) Phenanthrene	17.17	178	79969	0.54	ng/ul	99
15) Anthracene	17.26	178	56797	0.46	ng/ul	99
17) Fluoranthene	19.19	202	90584	0.55	ng/ul	95
19) Pyrene	19.57	202	121459	0.70	ng/ul#	92
20) Benzo(a)anthracene	21.31	228	85019	0.58	ng/ul	93
21) Chrysene	21.31	228	85263	0.51	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	84255	0.47	ng/ul	97
24) Benzo(k)fluoranthene	22.91	252	84503	0.50	ng/ul#	94
25) Benzo(a)pyrene	23.49	252	28096	0.18	ng/ul#	88
26) Indeno(1,2,3-cd)pyrene	25.88	276	128883	0.68	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.89	278	98026	0.64	ng/ul	98
28) Benzo(g,h,i)perylene	26.58	276	115137	0.69	ng/ul	98

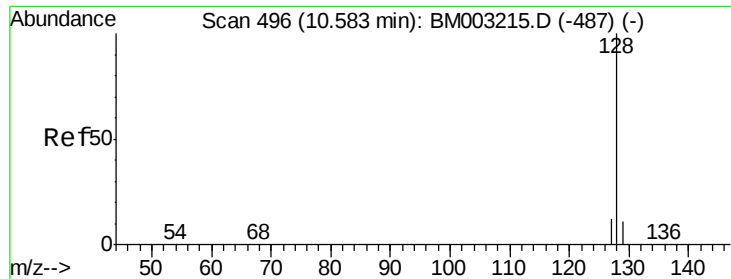
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.27 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

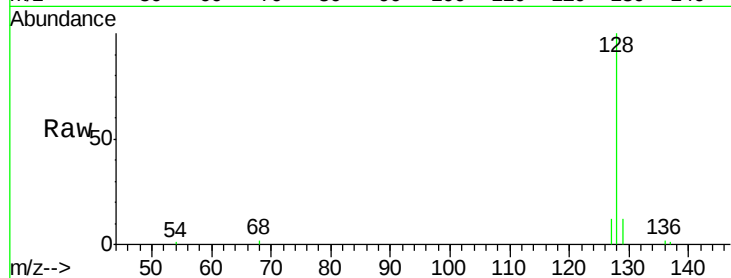
Tgt Ion:128 Resp: 31832

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

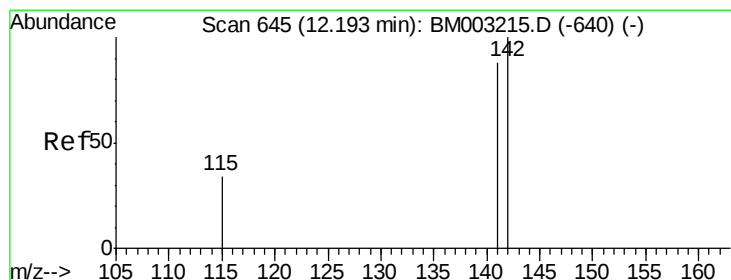
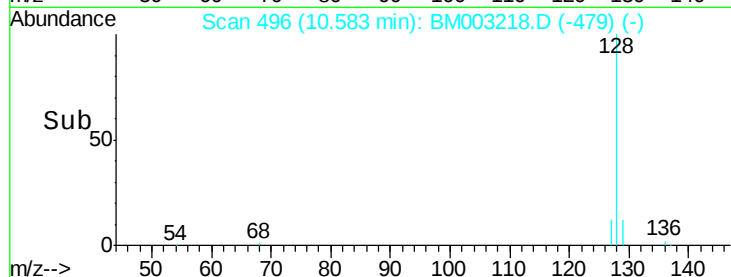
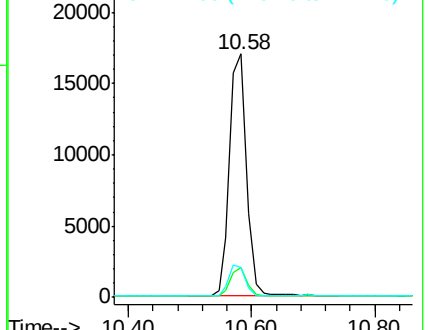
127 12.3 9.6 14.4



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: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003218.D

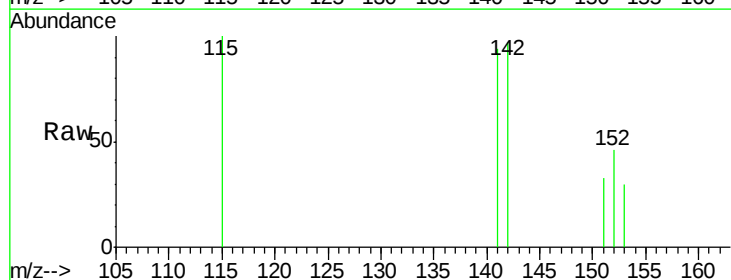
Acq: 20 Nov 2015 11:58

Tgt Ion:142 Resp: 297

Ion Ratio Lower Upper

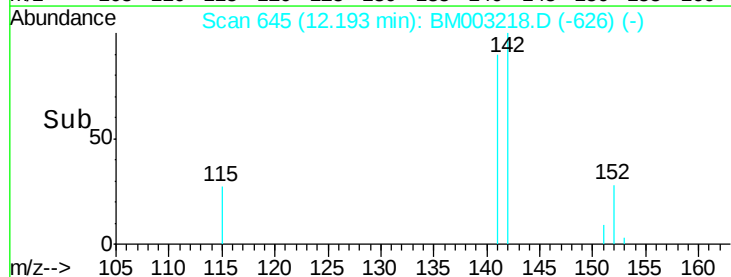
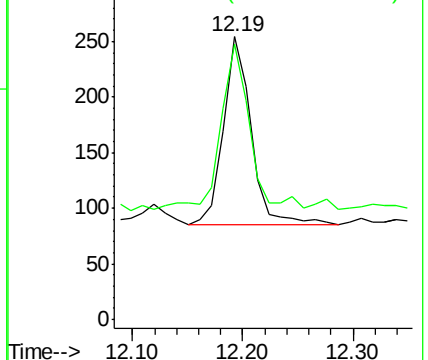
142 100

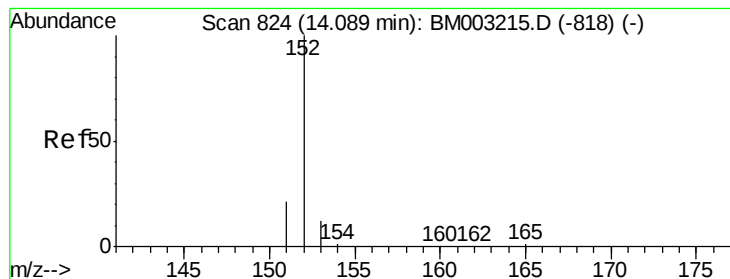
141 93.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.33 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

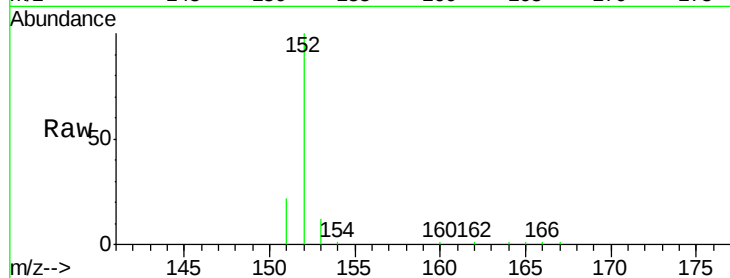
Tgt Ion:152 Resp: 32420

Ion Ratio Lower Upper

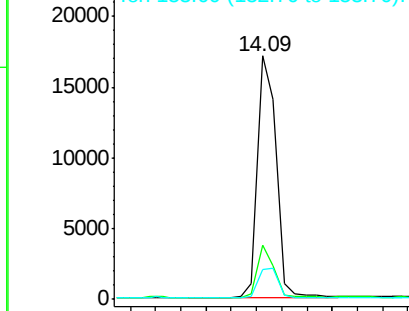
152 100

151 22.3 17.6 26.4

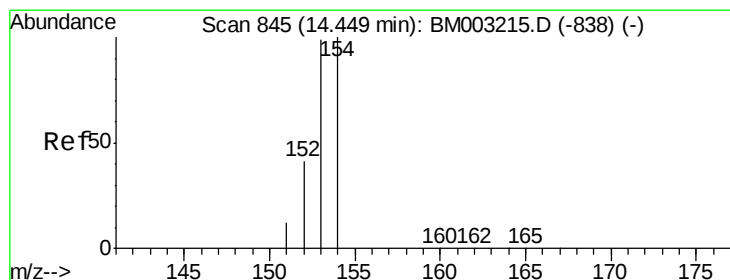
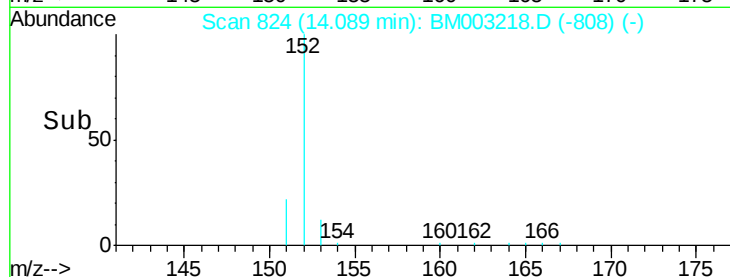
153 12.3 9.7 14.5



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



Time-->



#10

Acenaphthene

Concen: 0.36 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

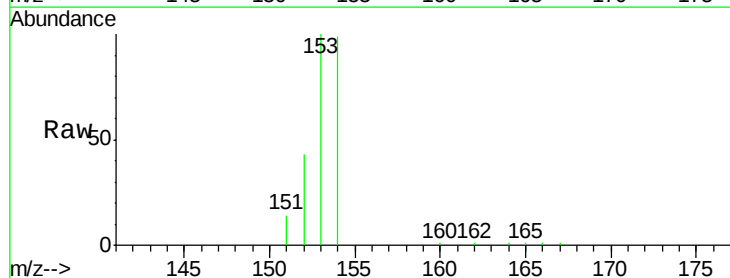
Tgt Ion:153 Resp: 29284

Ion Ratio Lower Upper

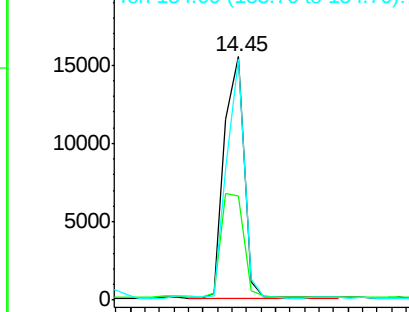
153 100

152 42.7 33.9 50.9

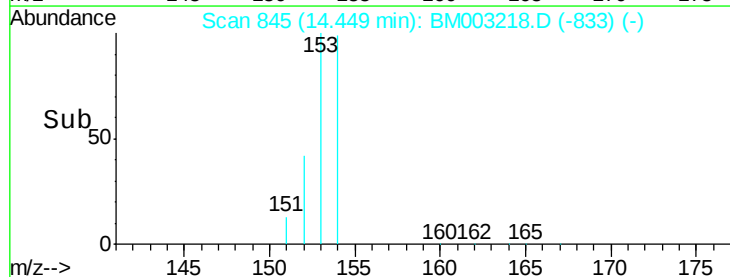
154 99.0 80.6 121.0

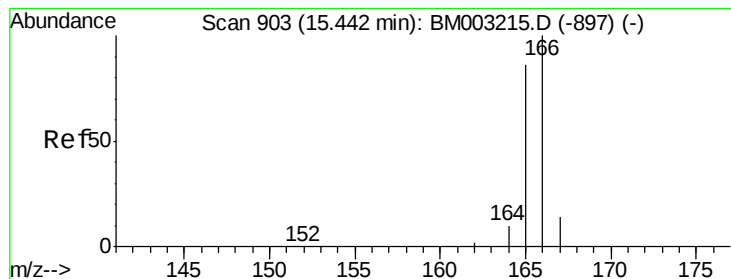


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#11

Fluorene

Concen: 0.34 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

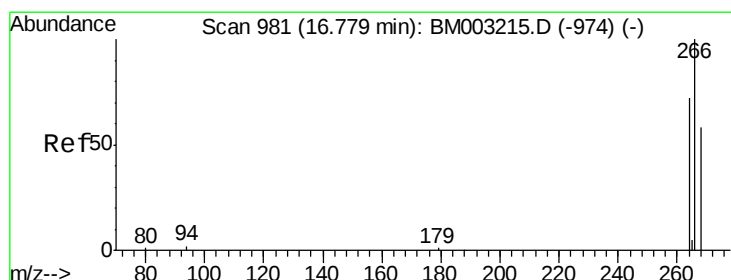
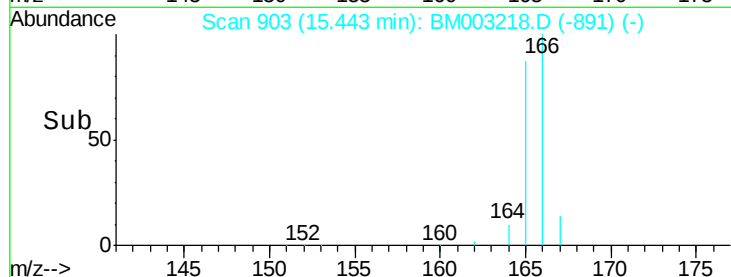
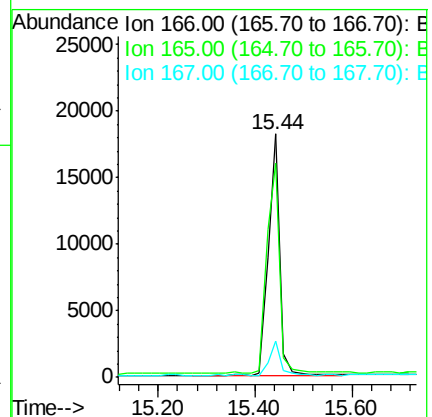
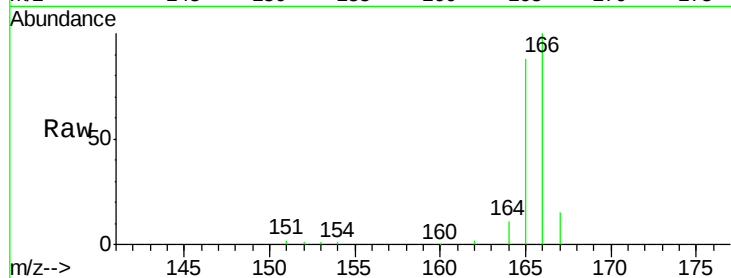
Tgt Ion:166 Resp: 30525

Ion Ratio Lower Upper

166 100

165 87.7 69.6 104.4

167 14.9 11.9 17.9



#13

Pentachlorophenol

Concen: 0.74 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

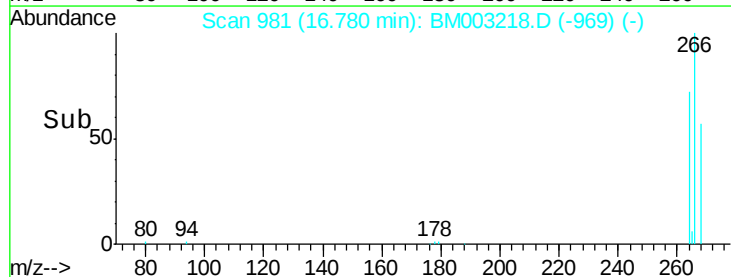
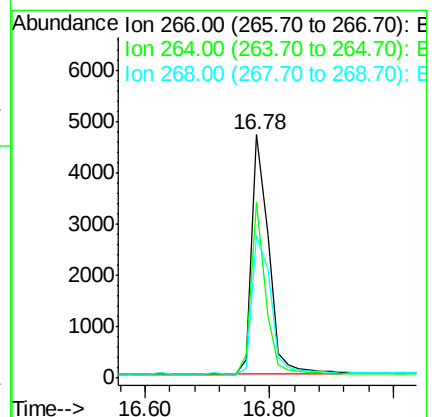
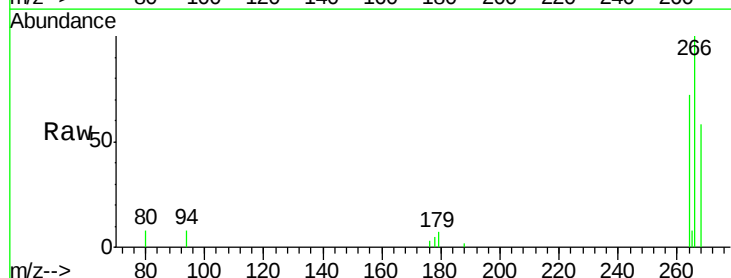
Tgt Ion:266 Resp: 8941

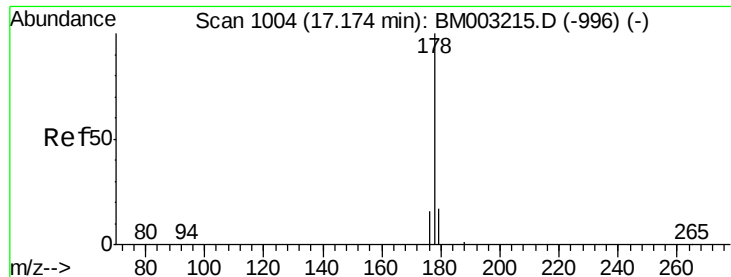
Ion Ratio Lower Upper

266 100

264 63.4 51.8 77.8

268 63.0 46.8 70.2





#14

Phenanthrene

Concen: 0.54 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

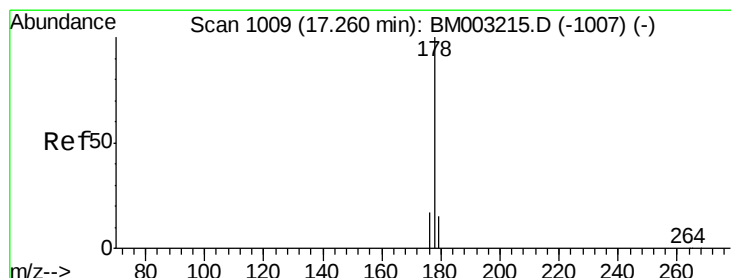
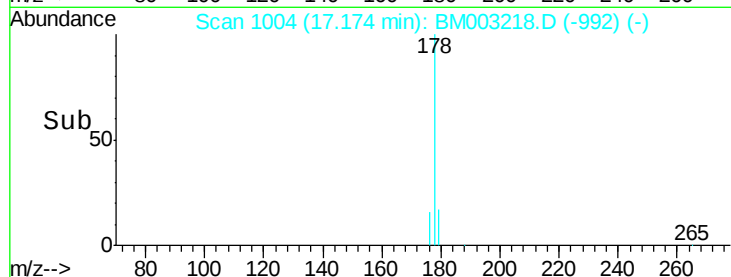
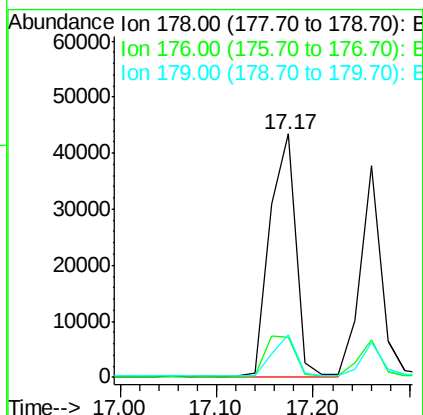
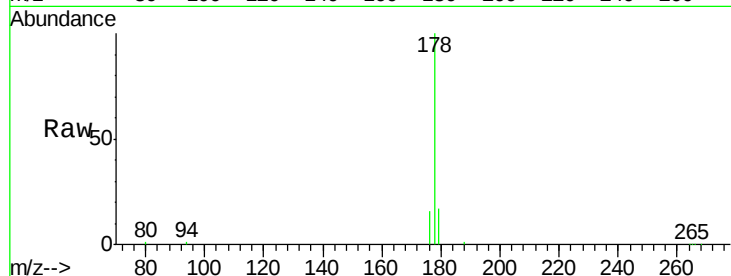
Tgt Ion:178 Resp: 79969

Ion Ratio Lower Upper

178 100

176 16.4 13.0 19.4

179 17.4 14.2 21.2



#15

Anthracene

Concen: 0.46 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

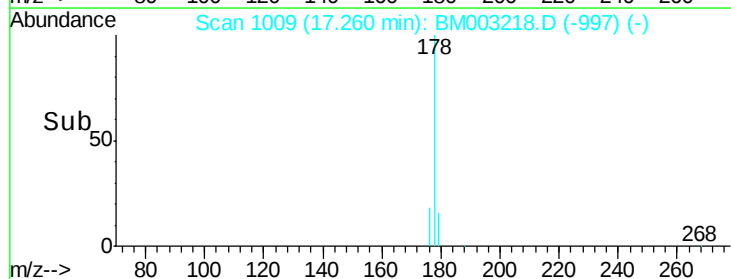
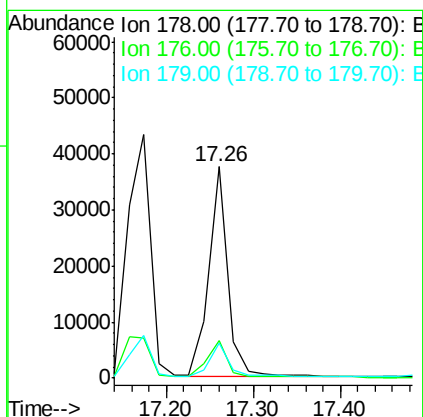
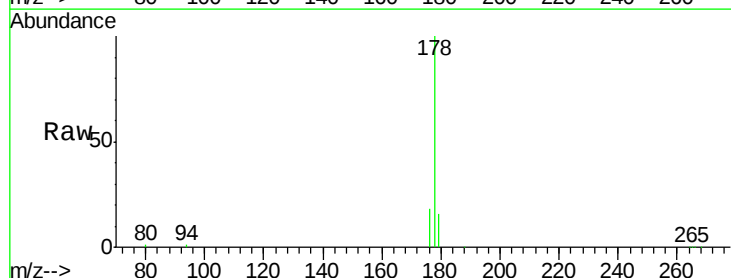
Tgt Ion:178 Resp: 56797

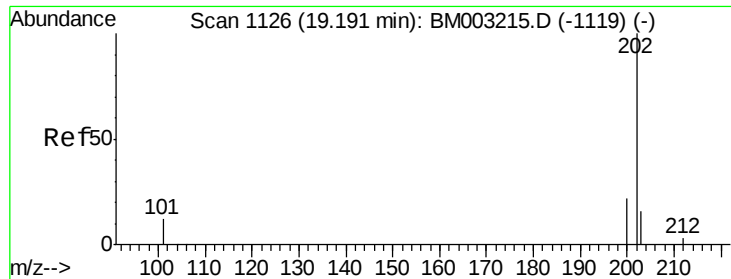
Ion Ratio Lower Upper

178 100

176 17.8 14.0 21.0

179 16.3 12.9 19.3

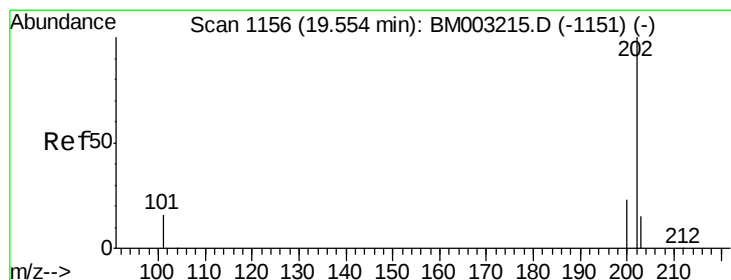
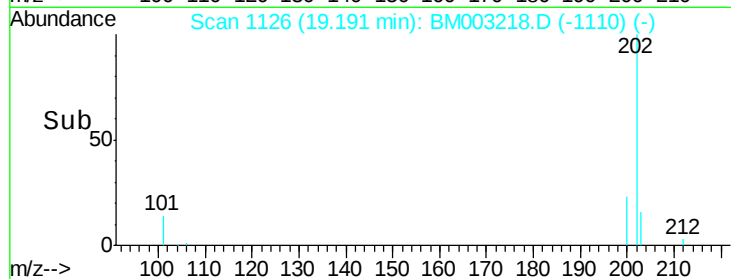
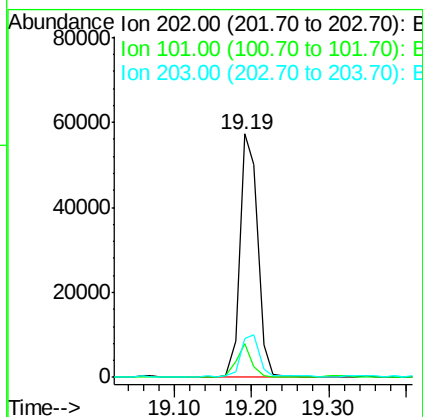
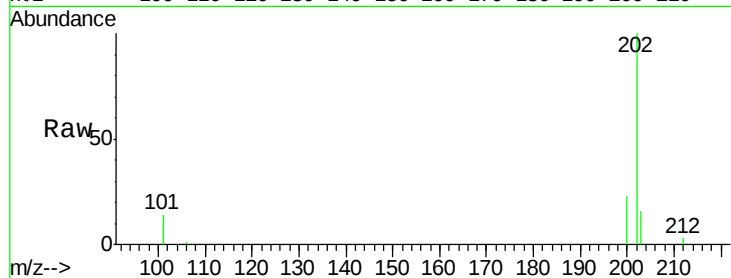




#17
Fluoranthene
Concen: 0.55 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BM003218.D
Acq: 20 Nov 2015 11:58

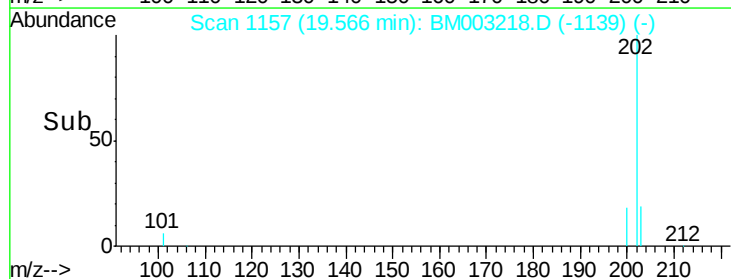
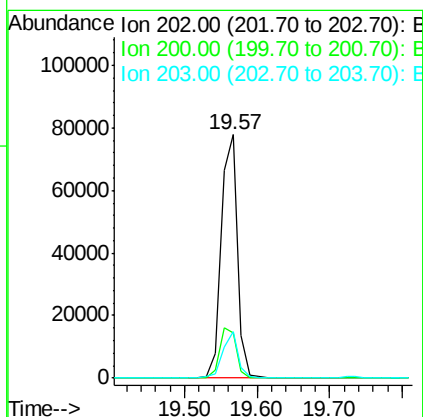
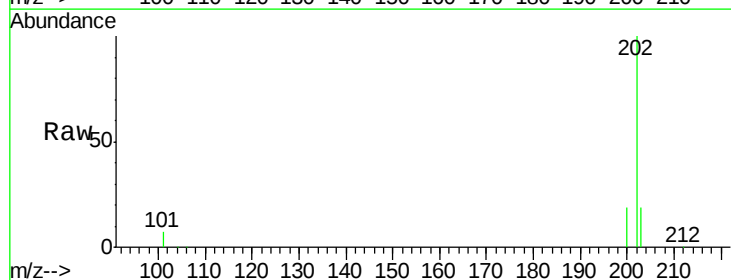
Instrument :
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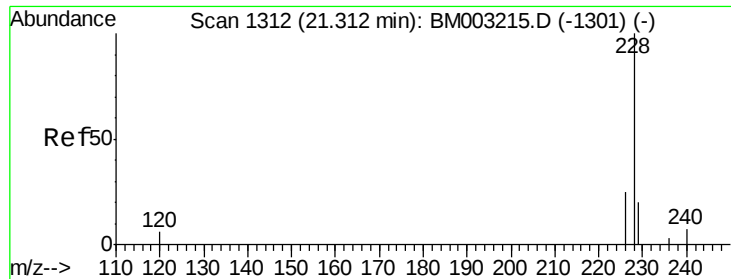
Tgt Ion:202 Resp: 90584
Ion Ratio Lower Upper
202 100
101 14.0 0.0 29.6
203 15.9 0.0 36.3



#19
Pyrene
Concen: 0.70 ng/ul
RT: 19.57 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BM003218.D
Acq: 20 Nov 2015 11:58

Tgt Ion:202 Resp: 121459
Ion Ratio Lower Upper
202 100
200 18.5 17.8 26.8
203 19.3 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.58 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

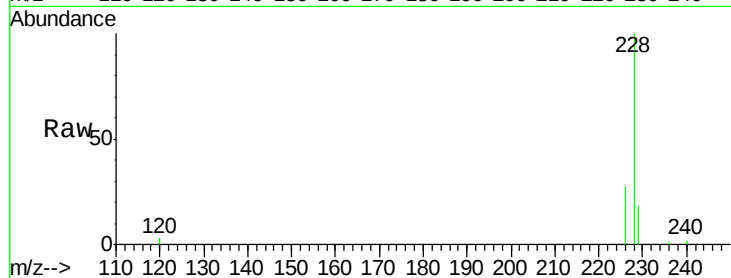
Tgt Ion:228 Resp: 85019

Ion Ratio Lower Upper

228 100

226 27.2 18.8 28.2

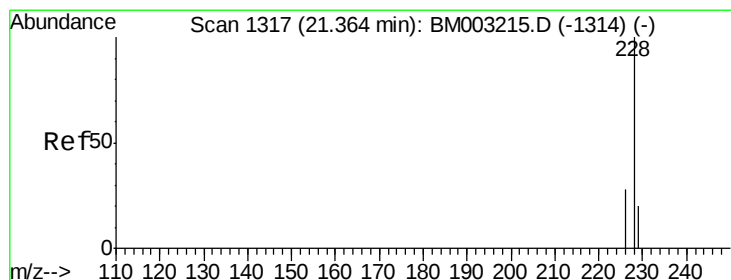
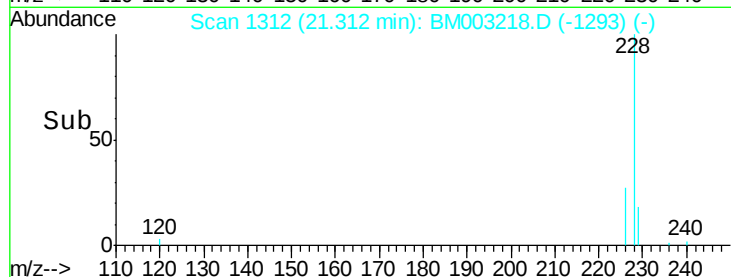
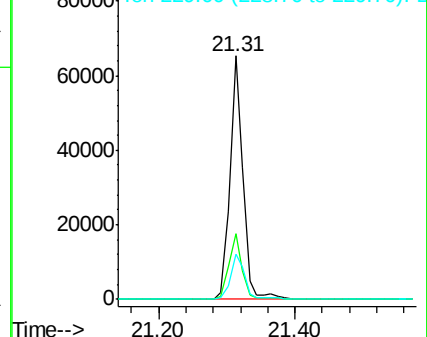
229 18.5 17.1 25.7



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: 0.51 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

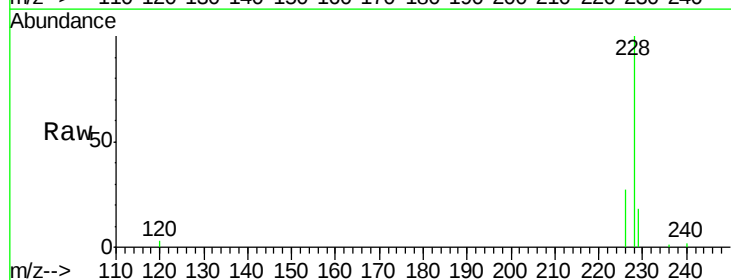
Tgt Ion:228 Resp: 85263

Ion Ratio Lower Upper

228 100

226 27.2 21.2 31.8

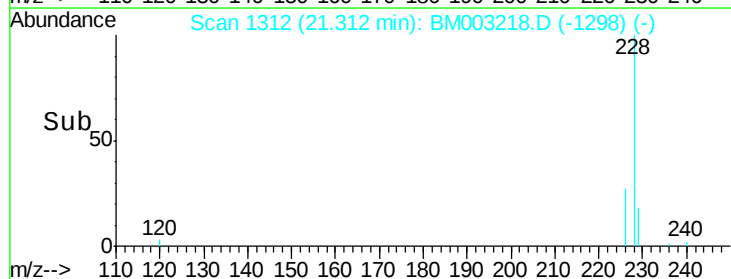
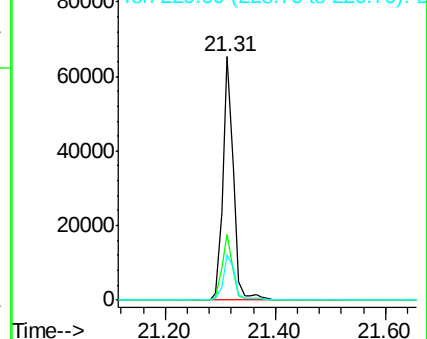
229 18.5 17.0 25.6

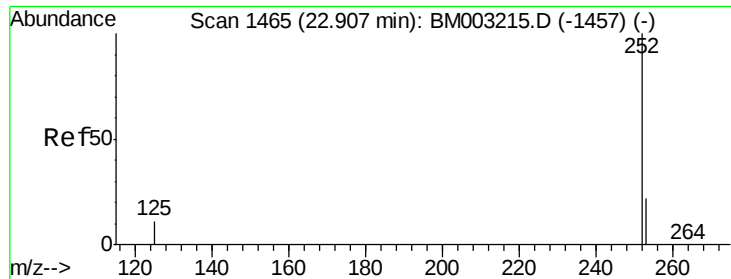


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.47 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

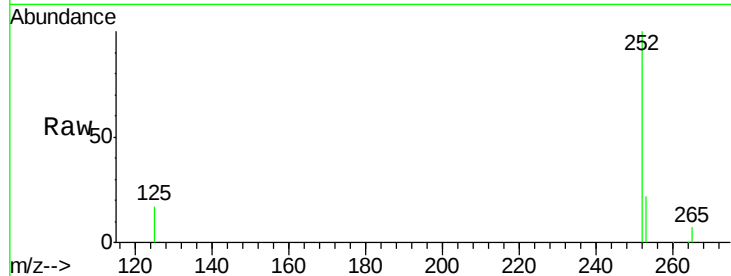
Tgt Ion:252 Resp: 84255

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

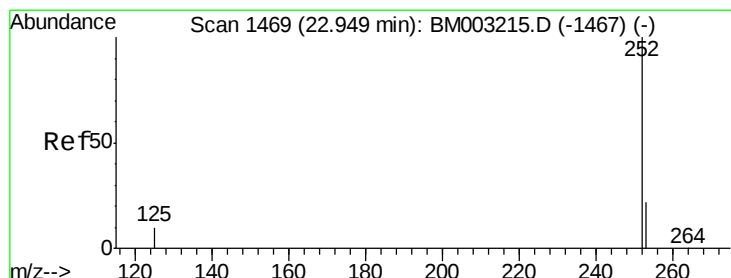
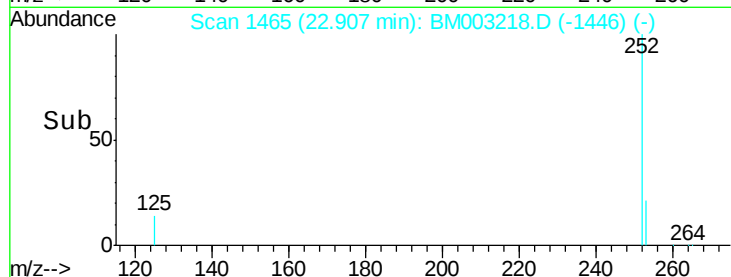
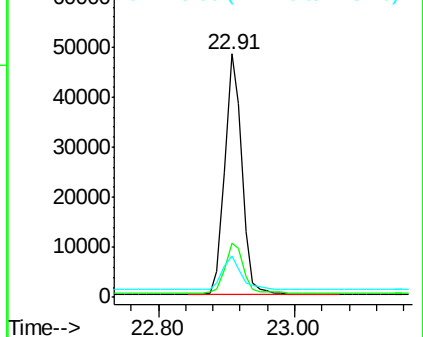
125 16.7 0.0 28.8



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: 0.50 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

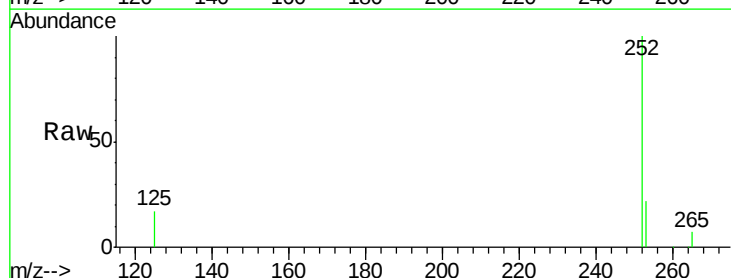
Tgt Ion:252 Resp: 84503

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.8

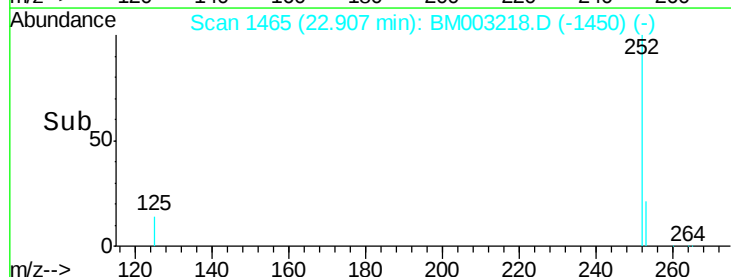
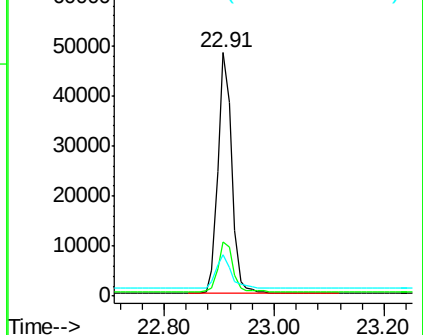
125 16.7 10.4 15.6#

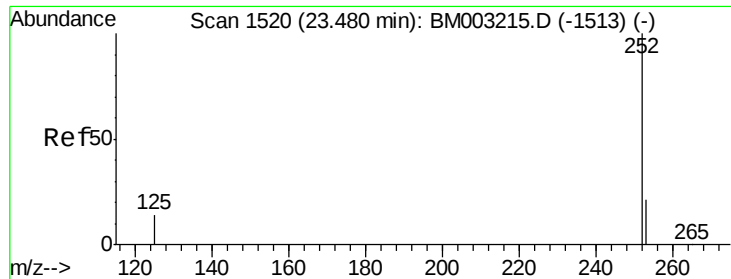


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

Instrument :

BNA_M

ClientSampleId :

D9KK2

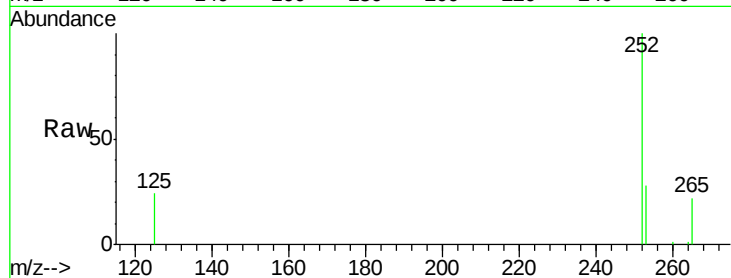
Tgt Ion:252 Resp: 28096

Ion Ratio Lower Upper

252 100

253 27.7 19.4 29.2

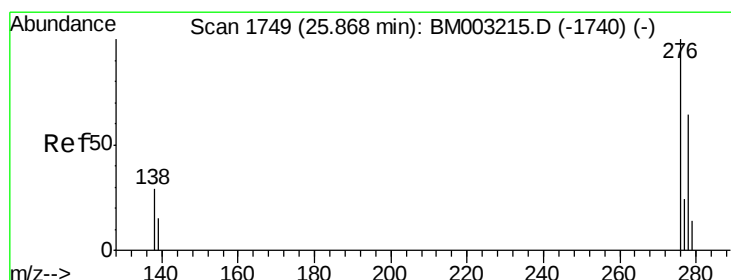
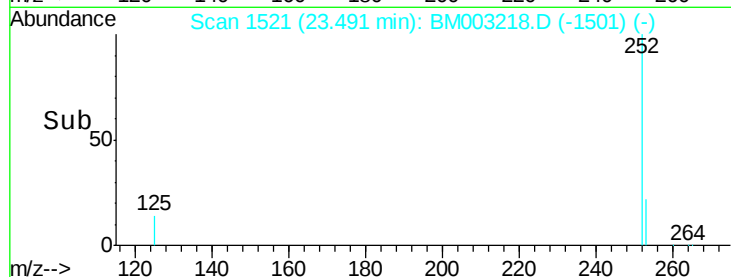
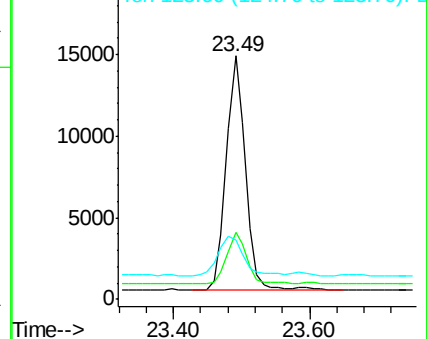
125 24.2 12.7 19.1#



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: 0.68 ng/ul

RT: 25.88 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BM003218.D

Acq: 20 Nov 2015 11:58

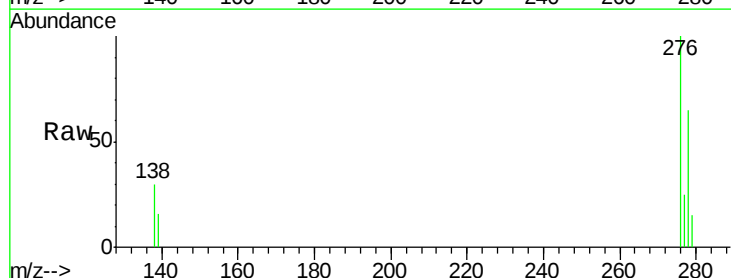
Tgt Ion:276 Resp: 128883

Ion Ratio Lower Upper

276 100

138 30.1 16.3 24.5#

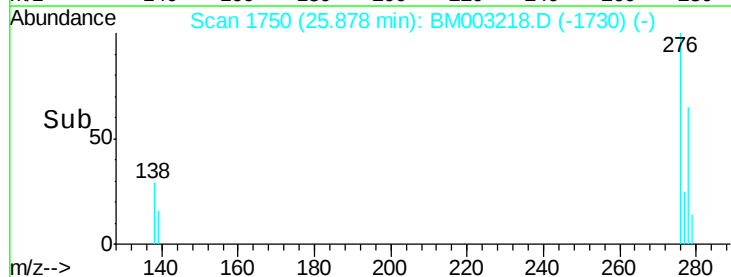
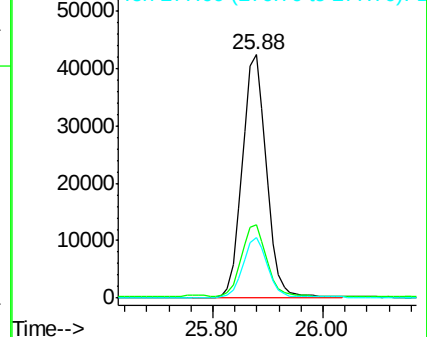
277 24.6 19.8 29.8

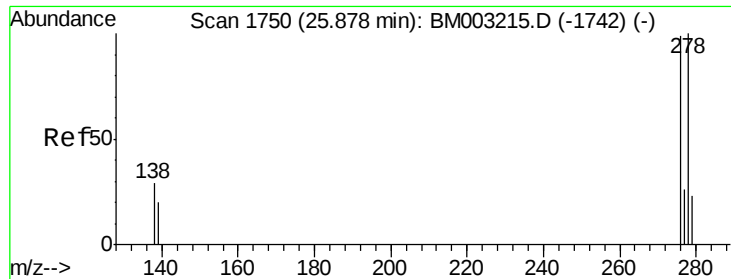


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

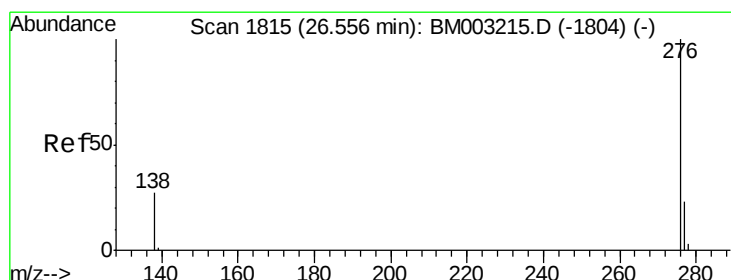
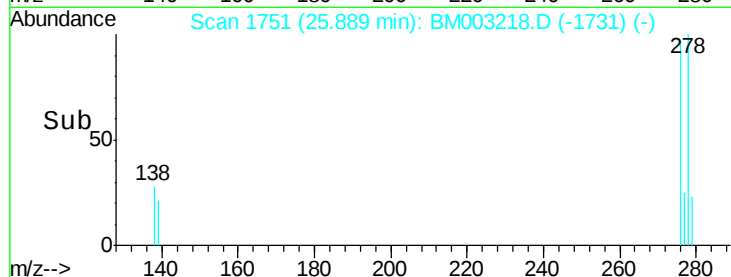
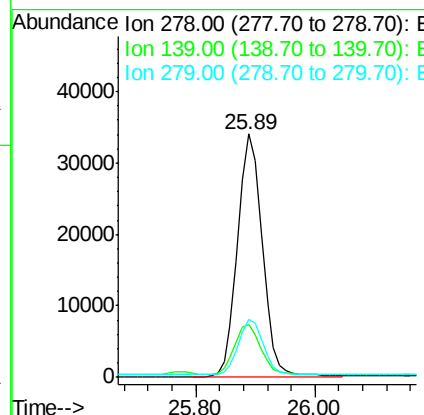
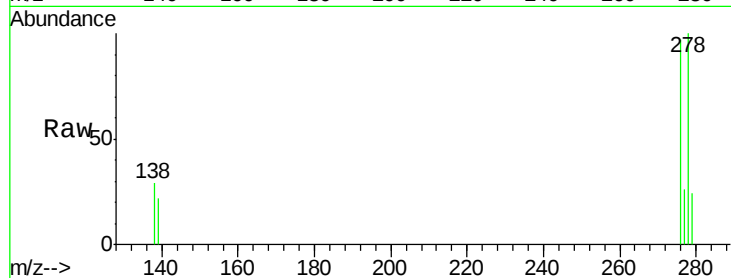




#27
Dibenzo(a,h)anthracene
Concen: 0.64 ng/ul
RT: 25.89 min Scan# 1751
Delta R.T. 0.01 min
Lab File: BM003218.D
Acq: 20 Nov 2015 11:58

Instrument :
BNA_M
ClientSampleId :
D9KK2

Tgt Ion: 278 Resp: 98026
Ion Ratio Lower Upper
278 100
139 21.7 16.4 24.6
279 24.0 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.69 ng/ul
RT: 26.58 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM003218.D
Acq: 20 Nov 2015 11:58

Tgt Ion: 276 Resp: 115137
Ion Ratio Lower Upper
276 100
277 23.7 18.9 28.3
138 25.8 22.5 33.7

