

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003217.D
 Acq On : 20 Nov 2015 11:06
 Operator : UM/IZ
 Sample : G4308-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9KK1

Quant Time: Nov 21 03:29:07 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 : 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	13485	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	50685	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	23762	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	48411	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	47764	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	45356	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.16	96	259	0.02	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	27937	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	49565	0.42	ng/ul	0.00

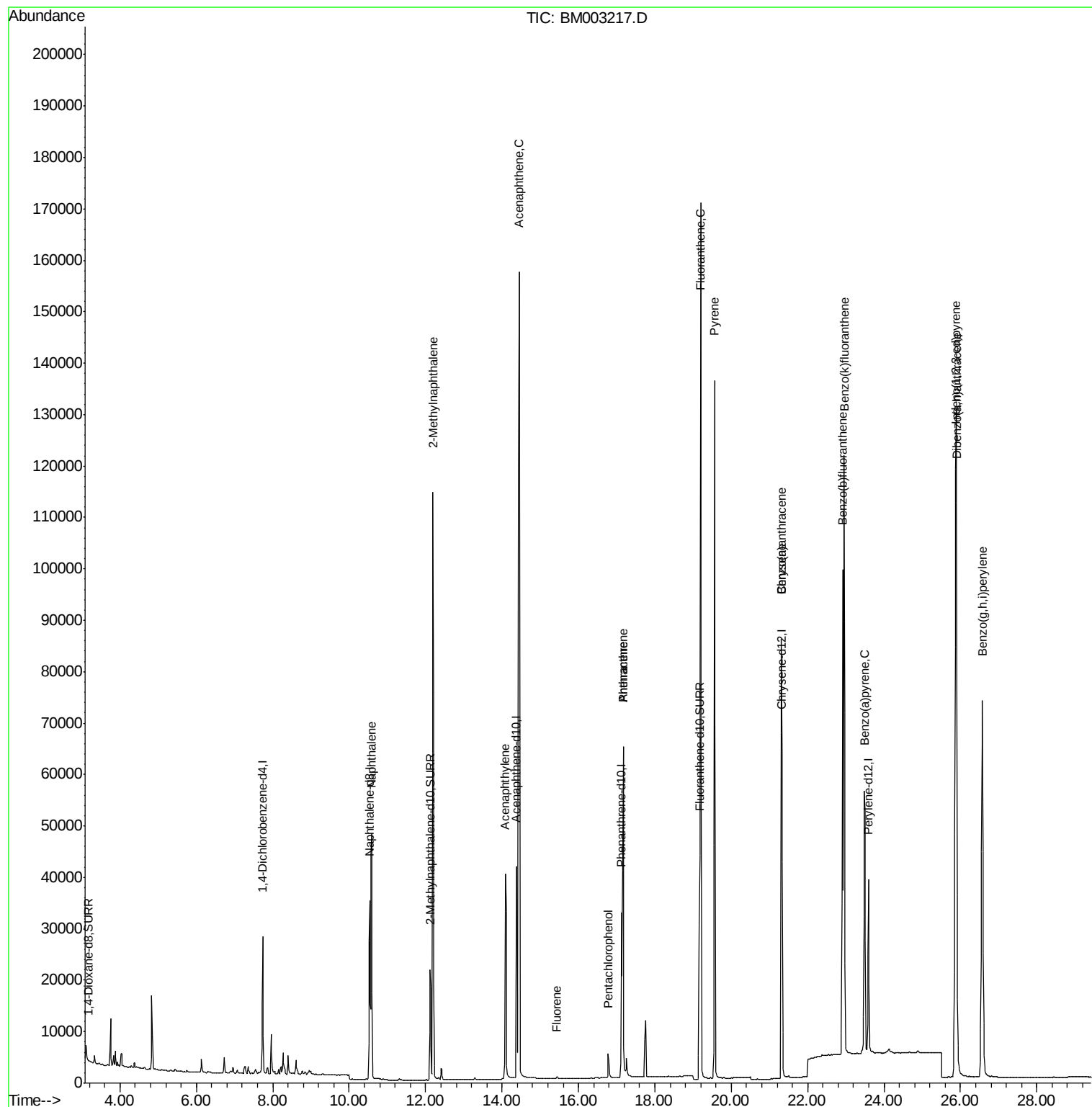
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	72604	0.56	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	81315	0.96	ng/ul#	100
9) Acenaphthylene	14.09	152	57219	0.58	ng/ul	99
10) Acenaphthene	14.45	153	118314	1.42	ng/ul	100
11) Fluorene	15.44	166	419	0.00	ng/ul#	57
13) Pentachlorophenol	16.78	266	4271	0.37	ng/ul	95
14) Phenanthrene	17.17	178	85270	0.61	ng/ul	98
15) Anthracene	17.17	178	85217	0.72	ng/ul	98
17) Fluoranthene	19.20	202	157141	1.01	ng/ul	98
19) Pyrene	19.56	202	126416	0.77	ng/ul	99
20) Benzo(a)anthracene	21.32	228	75213	0.54	ng/ul	100
21) Chrysene	21.32	228	75268	0.48	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	134758	0.78	ng/ul	96
24) Benzo(k)fluoranthene	22.95	252	137390	0.84	ng/ul	96
25) Benzo(a)pyrene	23.49	252	76863	0.50	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.87	276	138135	0.76	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.89	278	137131	0.93	ng/ul	97
28) Benzo(g,h,i)perylene	26.57	276	150906	0.94	ng/ul	98

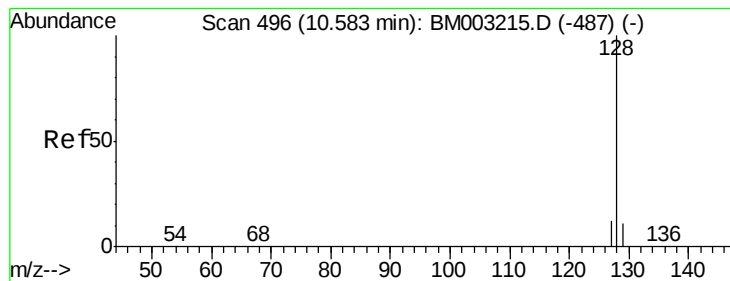
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.56 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

BNA_M

ClientSampleId :

D9KK1

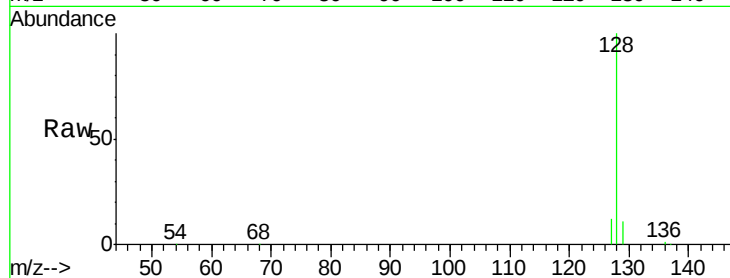
Tgt Ion:128 Resp: 72604

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

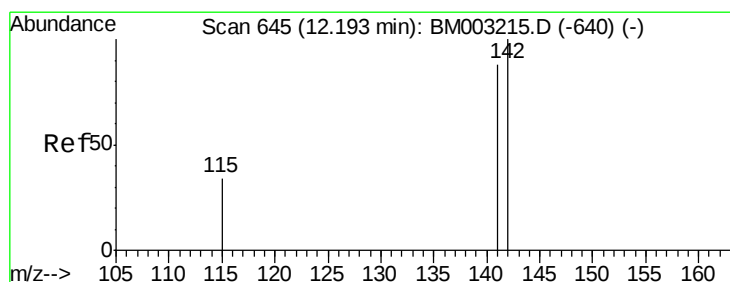
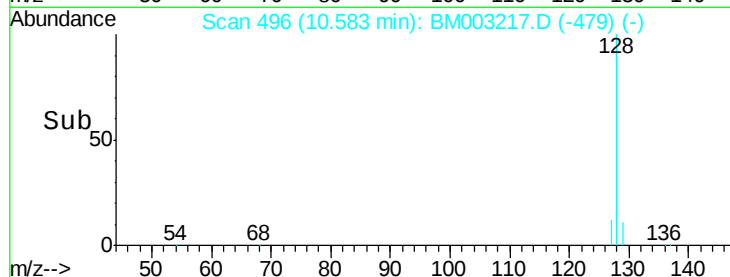
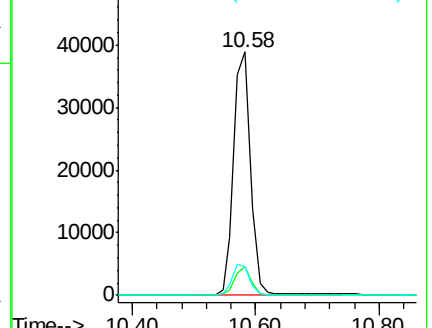
127 11.9 9.6 14.4



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: 0.96 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003217.D

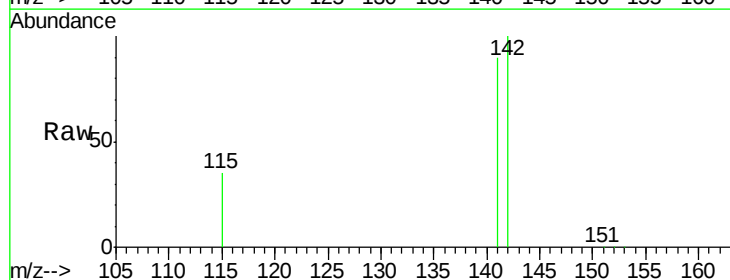
Acq: 20 Nov 2015 11:06

Tgt Ion:142 Resp: 81315

Ion Ratio Lower Upper

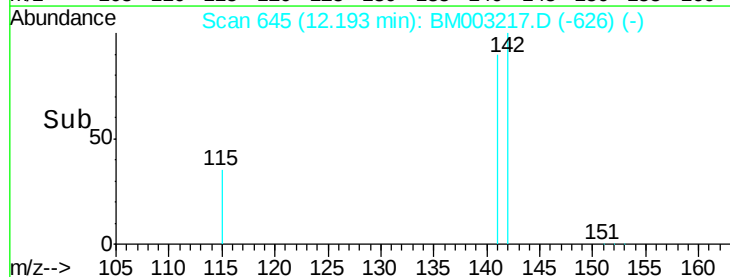
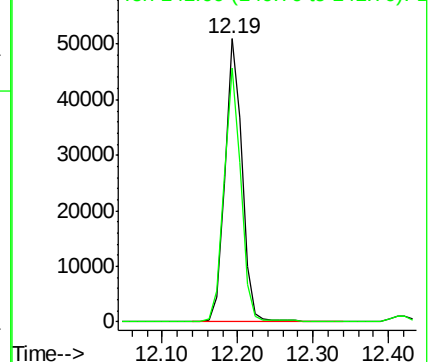
142 100

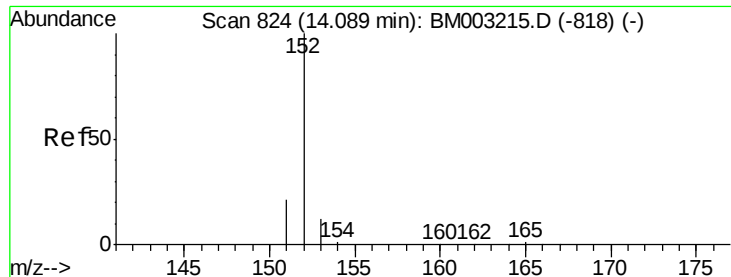
141 88.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.58 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

BNA_M

ClientSampleId :

D9KK1

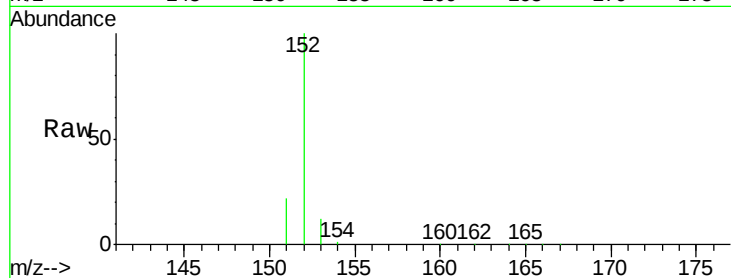
Tgt Ion:152 Resp: 57219

Ion Ratio Lower Upper

152 100

151 22.2 17.6 26.4

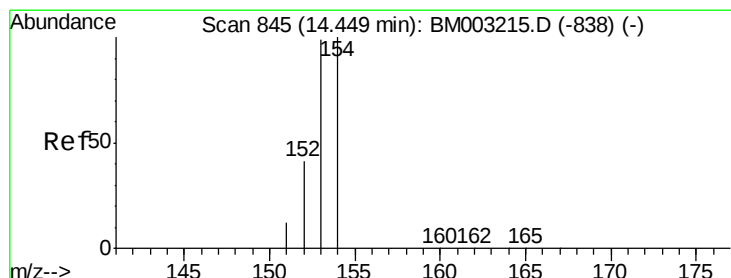
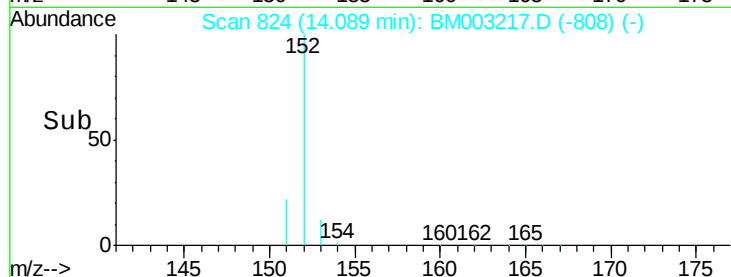
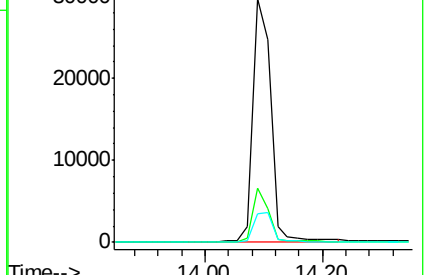
153 11.8 9.7 14.5



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: 1.42 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

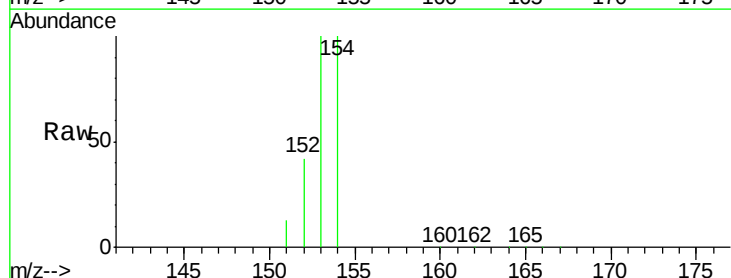
Tgt Ion:153 Resp: 118314

Ion Ratio Lower Upper

153 100

152 42.2 33.9 50.9

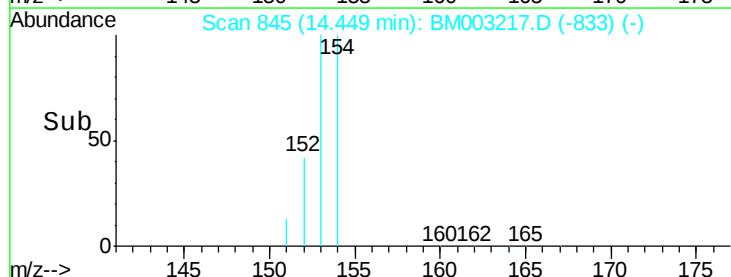
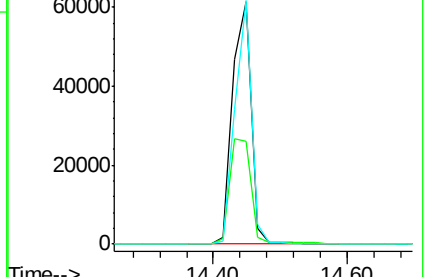
154 100.4 80.6 121.0

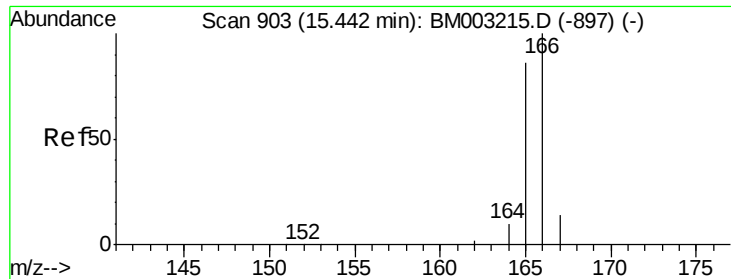


Abundance Ion 153.00 (152.70 to 153.70): E

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: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

BNA_M

ClientSampleId :

D9KK1

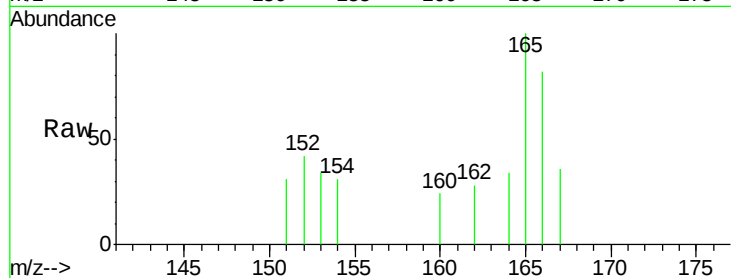
Tgt Ion:166 Resp: 419

Ion Ratio Lower Upper

166 100

165 122.5 69.6 104.4#

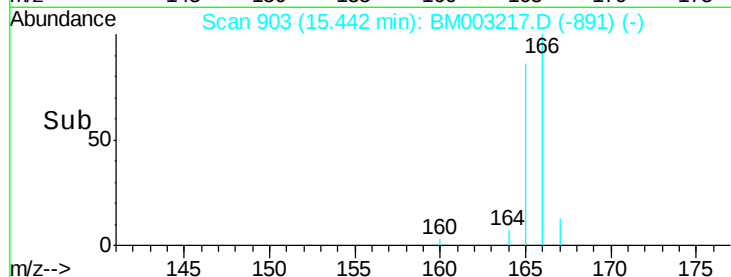
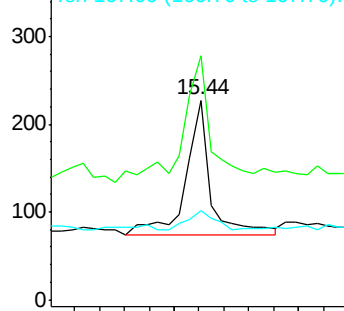
167 44.5 11.9 17.9#



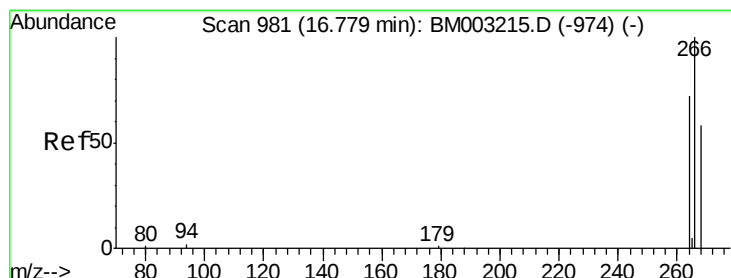
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#13

Pentachlorophenol

Concen: 0.37 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

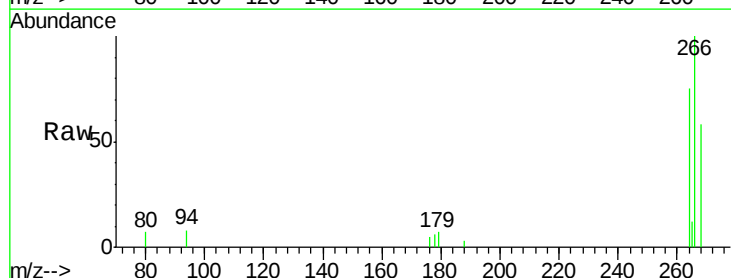
Tgt Ion:266 Resp: 4271

Ion Ratio Lower Upper

266 100

264 63.1 51.8 77.8

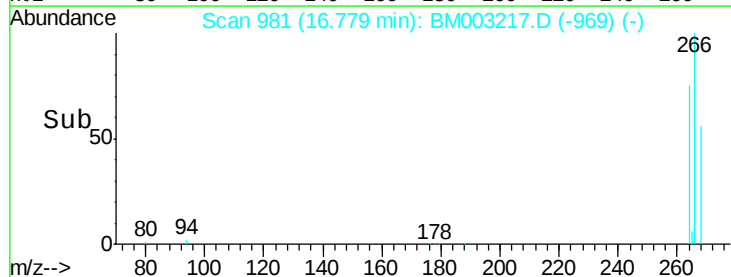
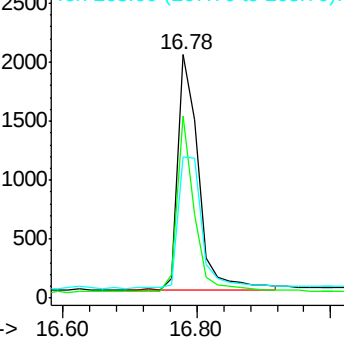
268 64.5 46.8 70.2



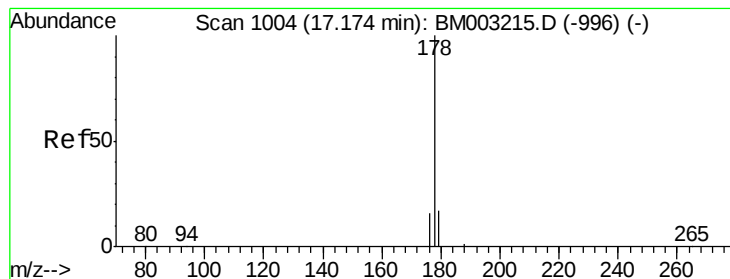
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->



#14

Phenanthrene

Concen: 0.61 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

BNA_M

ClientSampleId :

D9KK1

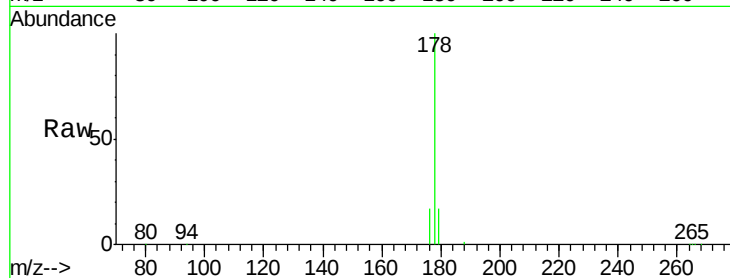
Tgt Ion:178 Resp: 85270

Ion Ratio Lower Upper

178 100

176 16.9 13.0 19.4

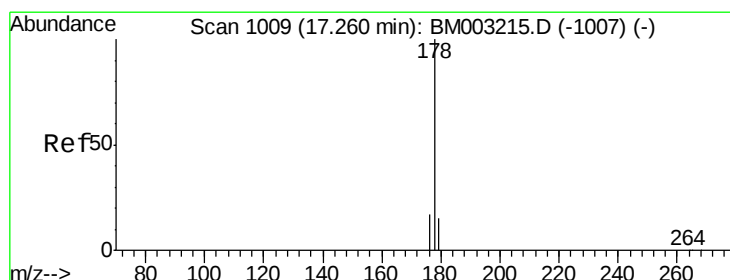
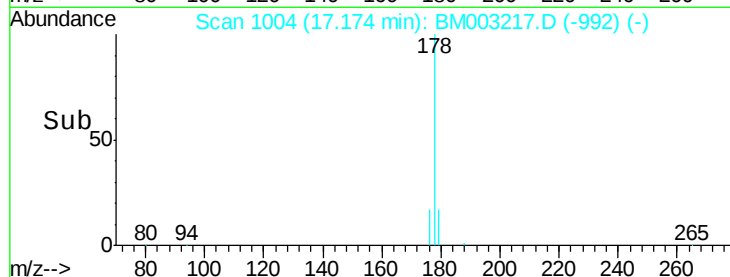
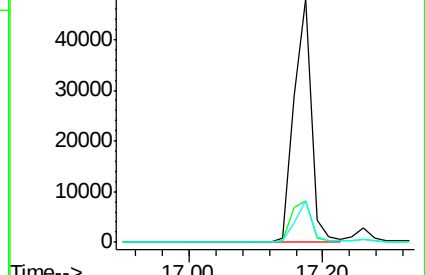
179 16.8 14.2 21.2



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: 0.72 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

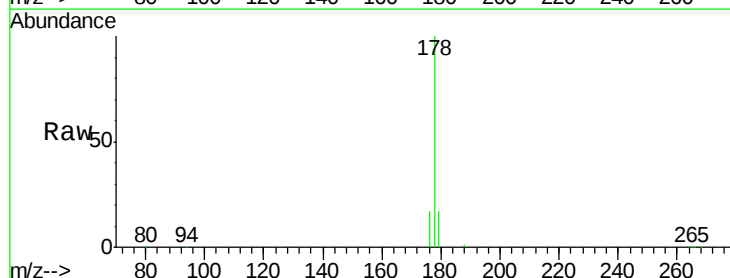
Tgt Ion:178 Resp: 85217

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

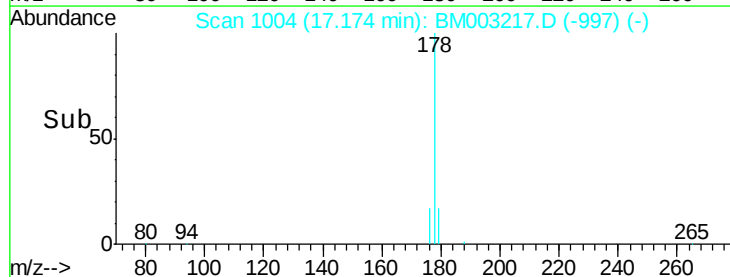
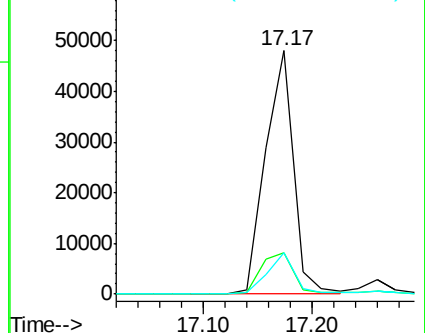
179 16.8 12.9 19.3

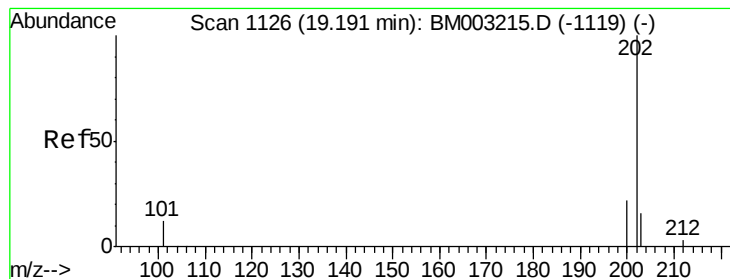


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 1.01 ng/ul

RT: 19.20 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

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ClientSampleId :

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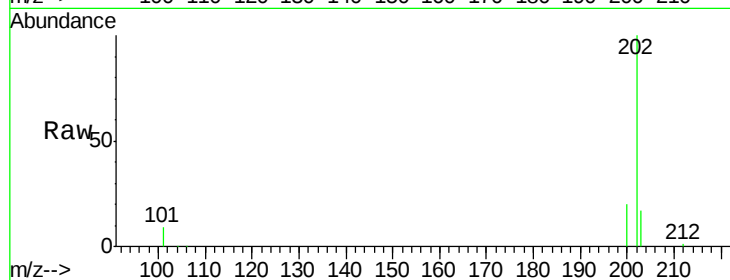
Tgt Ion:202 Resp: 157141

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.6

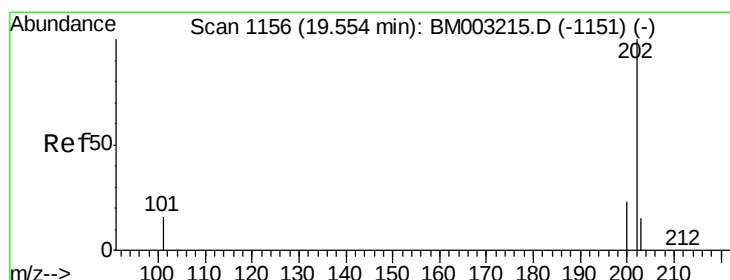
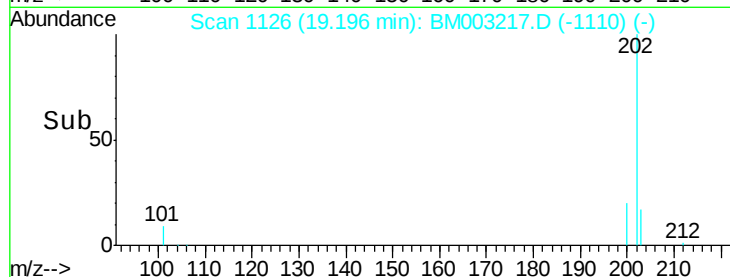
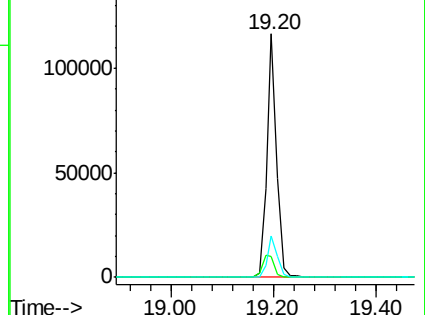
203 16.9 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.77 ng/ul

RT: 19.56 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

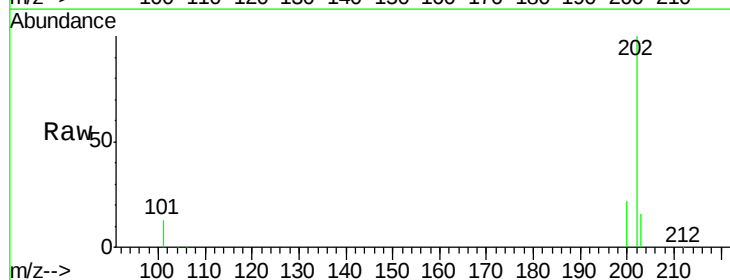
Tgt Ion:202 Resp: 126416

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.8

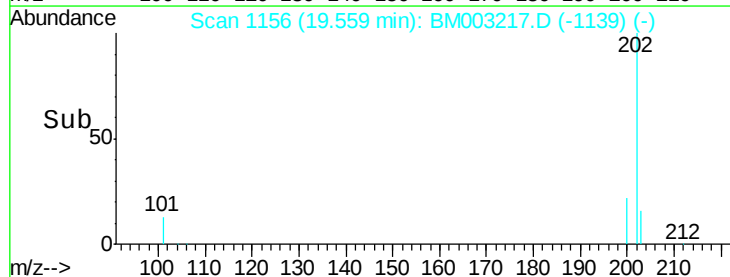
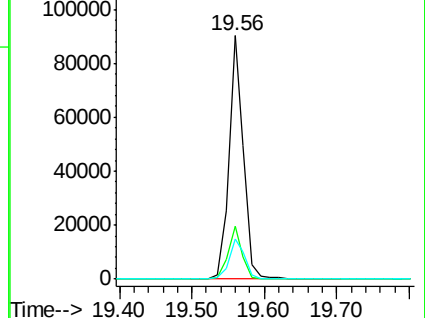
203 16.5 12.8 19.2

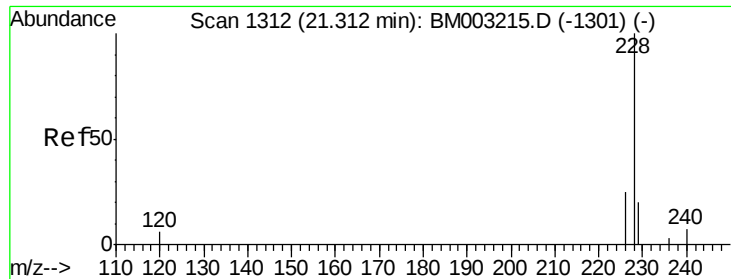


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.32 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

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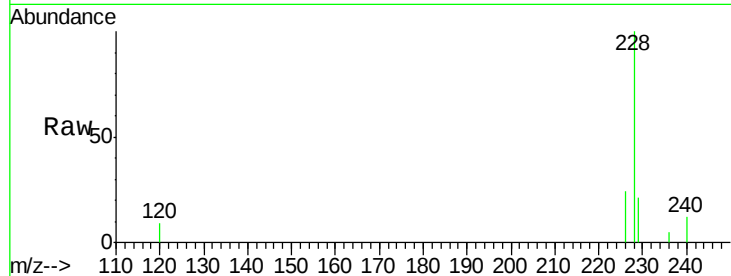
Tgt Ion:228 Resp: 75213

Ion Ratio Lower Upper

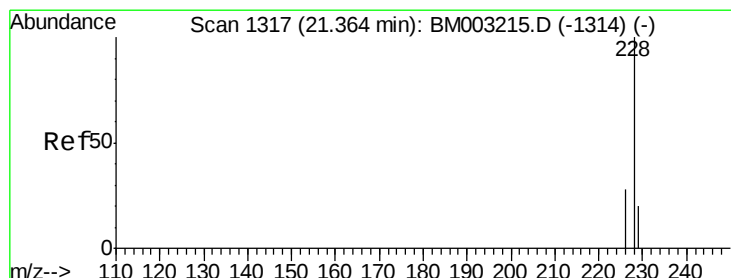
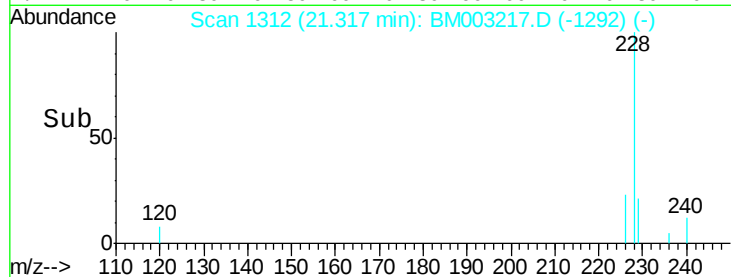
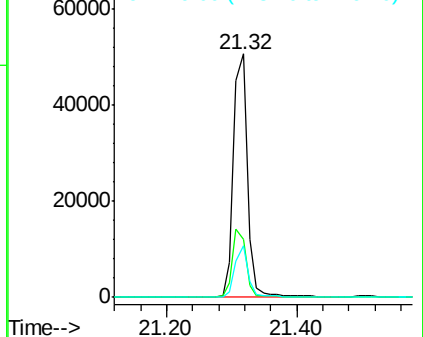
228 100

226 23.6 18.8 28.2

229 21.3 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: 0.48 ng/ul

RT: 21.32 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

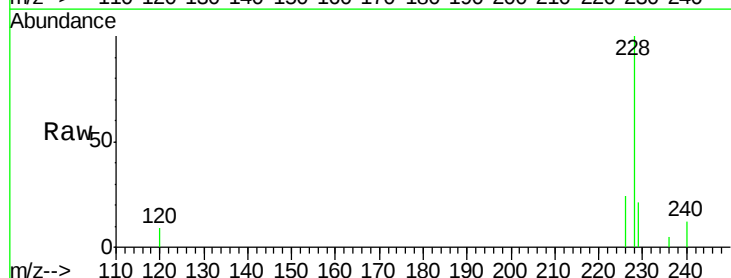
Tgt Ion:228 Resp: 75268

Ion Ratio Lower Upper

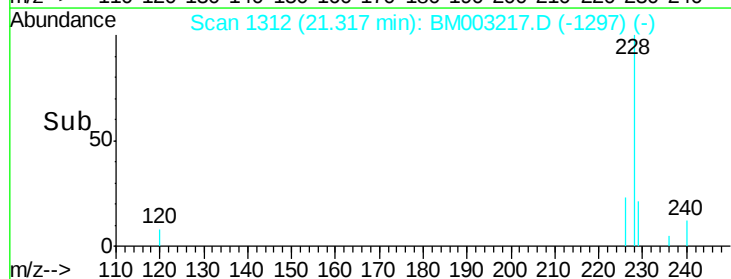
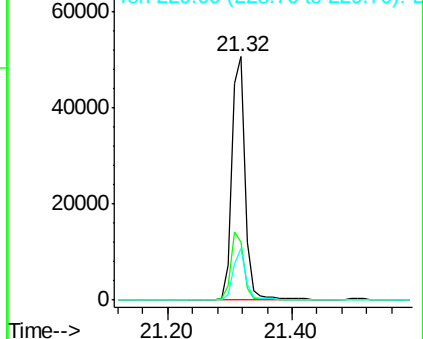
228 100

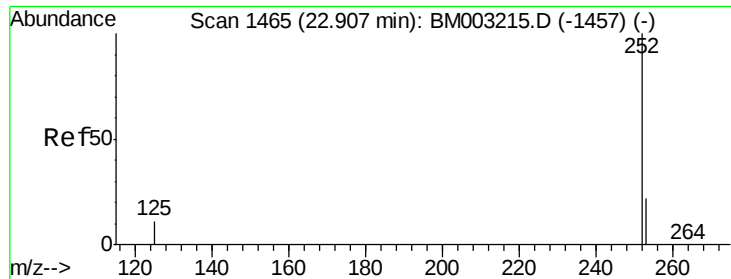
226 23.6 21.2 31.8

229 21.3 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: 0.78 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

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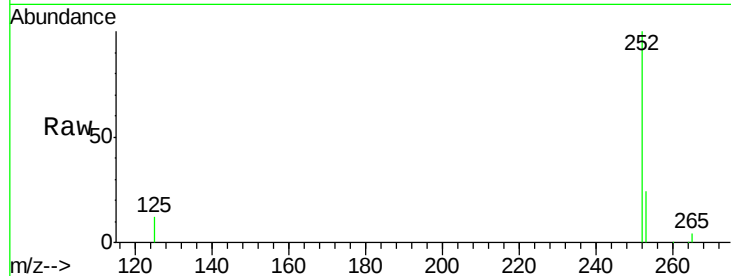
Tgt Ion:252 Resp: 134758

Ion Ratio Lower Upper

252 100

253 23.7 0.0 45.4

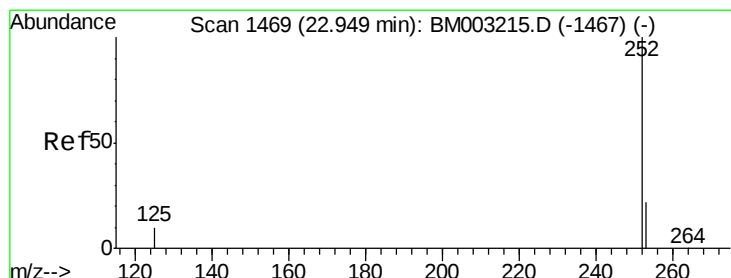
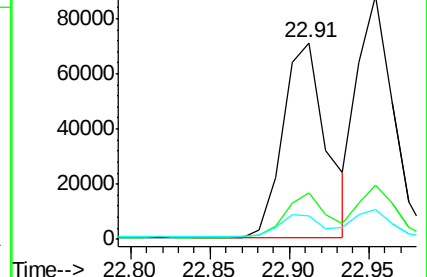
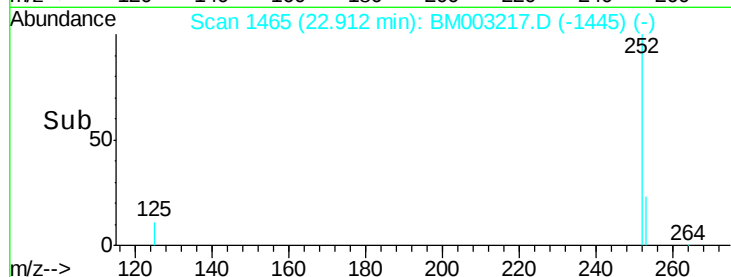
125 11.8 0.0 28.8



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: 0.84 ng/u1

RT: 22.95 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

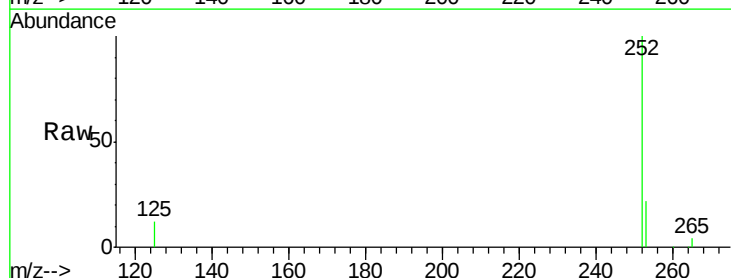
Tgt Ion:252 Resp: 137390

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.8

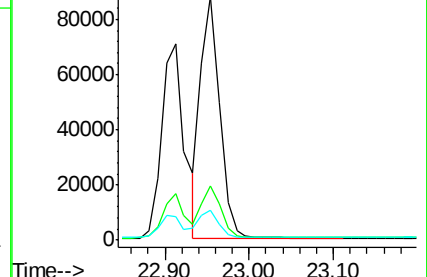
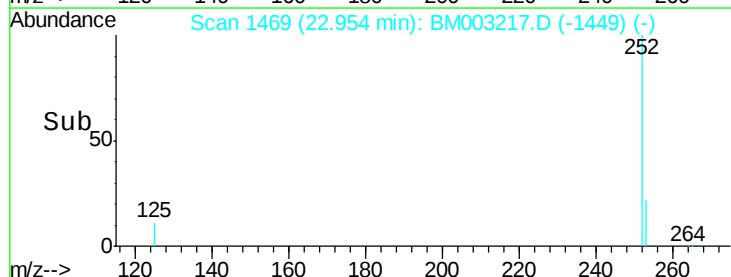
125 12.1 10.4 15.6

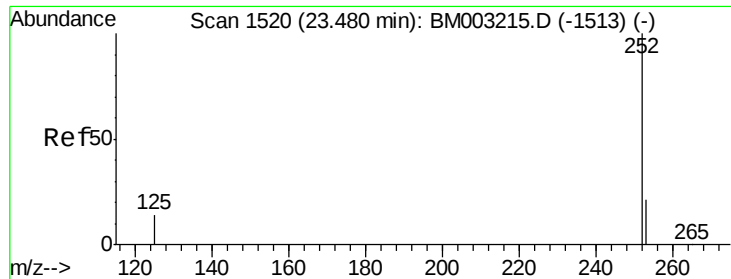


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.50 ng/ul

RT: 23.49 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

Instrument :

BNA_M

ClientSampleId :

D9KK1

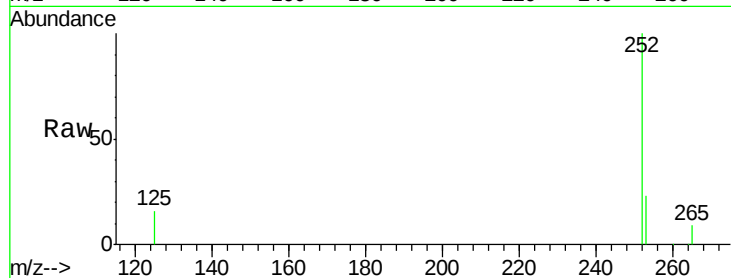
Tgt Ion:252 Resp: 76863

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

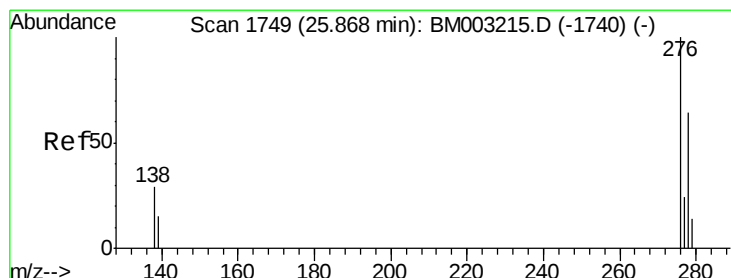
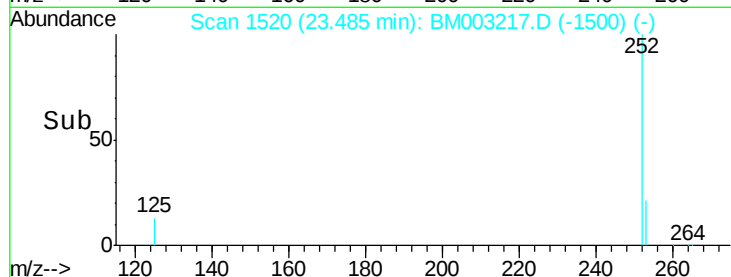
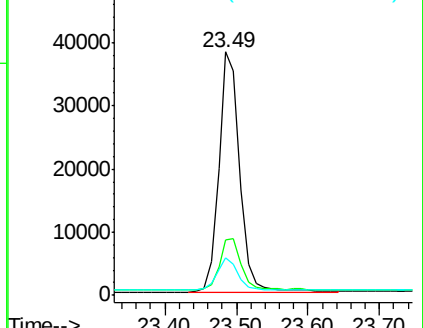
125 15.6 12.7 19.1



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: 0.76 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. 0.01 min

Lab File: BM003217.D

Acq: 20 Nov 2015 11:06

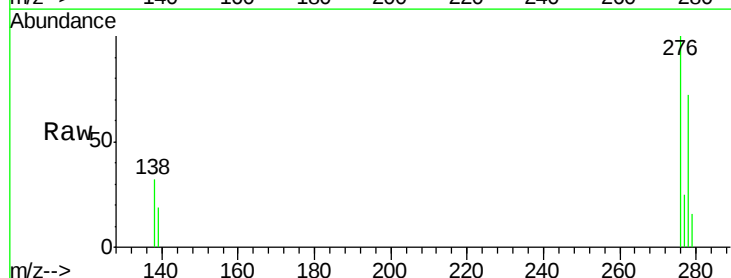
Tgt Ion:276 Resp: 138135

Ion Ratio Lower Upper

276 100

138 31.7 16.3 24.5#

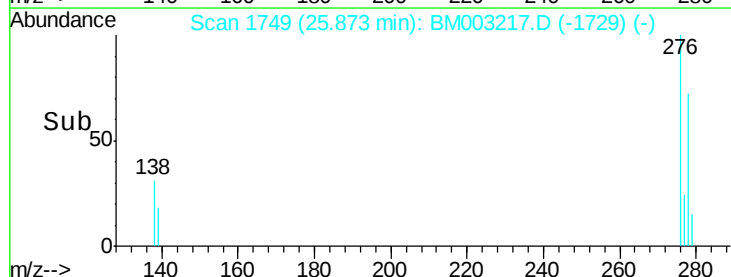
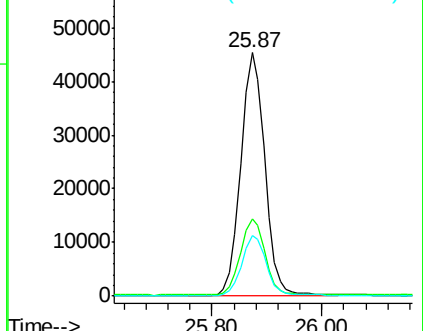
277 24.9 19.8 29.8

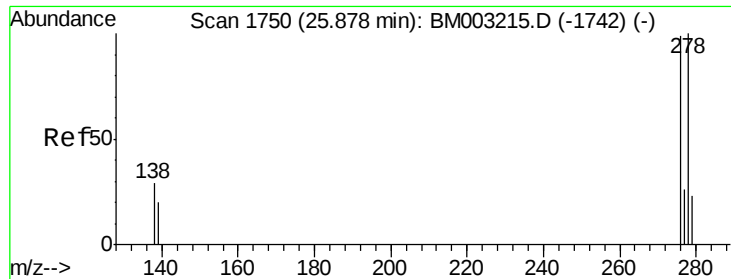


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

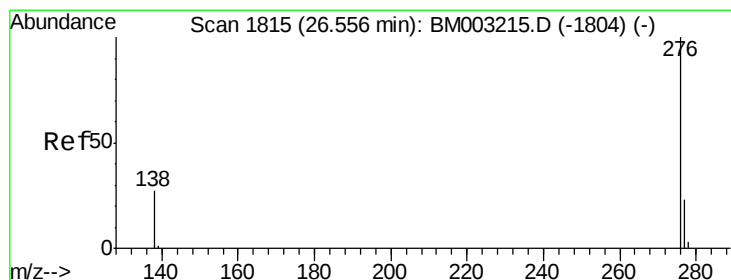
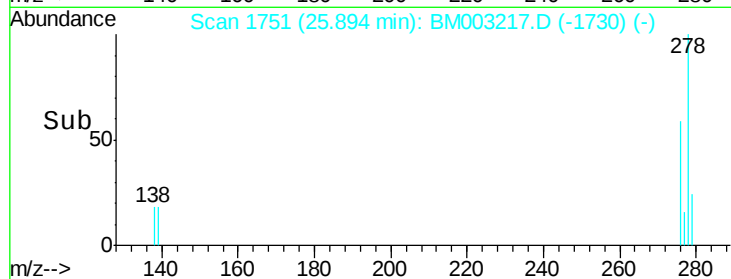
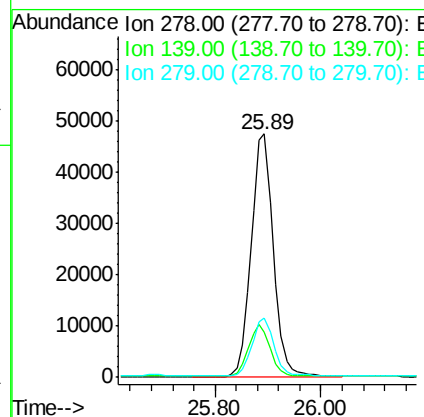
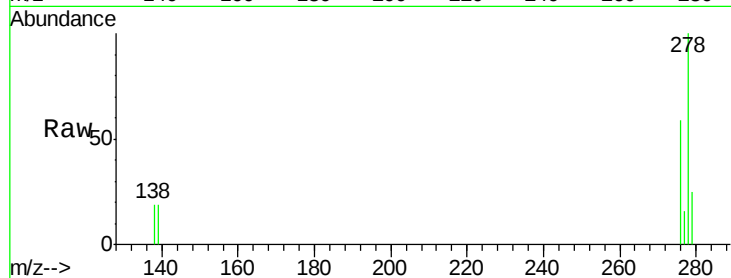




#27
Dibenzo(a,h)anthracene
Concen: 0.93 ng/ul
RT: 25.89 min Scan# 1751
Delta R.T. 0.02 min
Lab File: BM003217.D
Acq: 20 Nov 2015 11:06

Instrument :
BNA_M
ClientSampleId :
D9KK1

Tgt Ion: 278 Resp: 137131
Ion Ratio Lower Upper
278 100
139 18.6 16.4 24.6
279 24.6 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.94 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.02 min
Lab File: BM003217.D
Acq: 20 Nov 2015 11:06

Tgt Ion: 276 Resp: 150906
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 26.4 22.5 33.7

