

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003180.D
 Acq On : 19 Nov 2015 03:22
 Operator : UM/IZ
 Sample : G4323-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT8

Quant Time: Nov 19 03:59:14 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 : Thu Nov 19 03:20:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	28881	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	115722	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	69401	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	5757147	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	211562	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	229344	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	122538	3.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	34422	0.22	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	63223	0.00	ng/ul	0.00

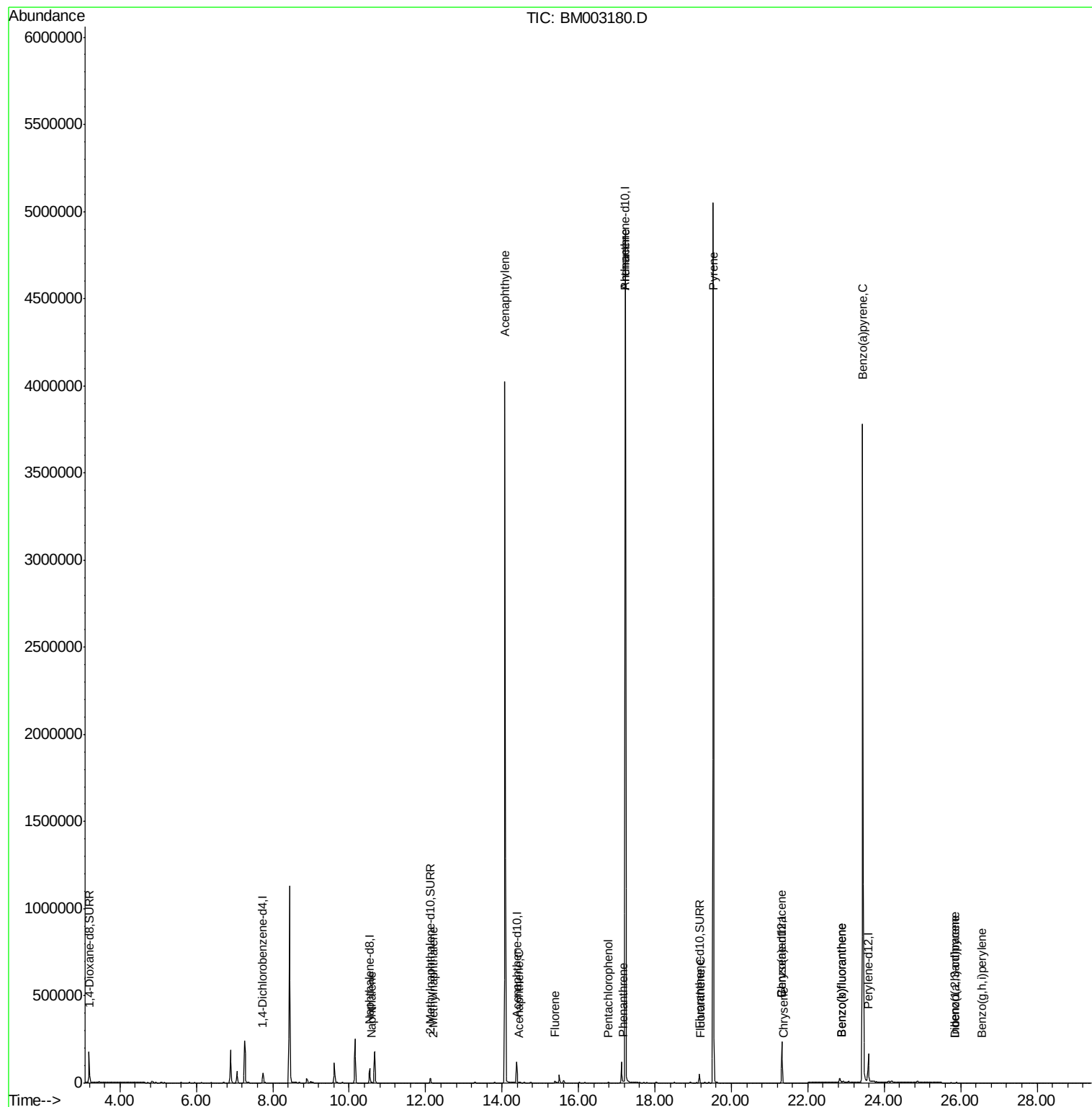
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	4369	0.01	ng/ul#	89
7) 2-Methylnaphthalene	12.19	142	546	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	533	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	365	0.00	ng/ul#	80
11) Fluorene	15.39	166	12569	0.05	ng/ul#	17
13) Pentachlorophenol	16.78	266	1475	0.00	ng/ul#	16
14) Phenanthrene	17.17	178	12876	0.00	ng/ul	93
15) Anthracene	17.23	178	3215	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	2080	0.00	ng/ul#	61
19) Pyrene	19.53	202	10430	0.01	ng/ul#	1
20) Benzo(a)anthracene	21.32	228	1365	0.00	ng/ul#	71
21) Chrysene	21.35	228	575	0.00	ng/ul#	62
23) Benzo(b)fluoranthene	22.90	252	1245	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	1227	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	20059	0.03	ng/ul#	70
26) Indeno(1,2,3-cd)pyrene	25.86	276	475	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.86	278	644	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.56	276	437	0.00	ng/ul#	1

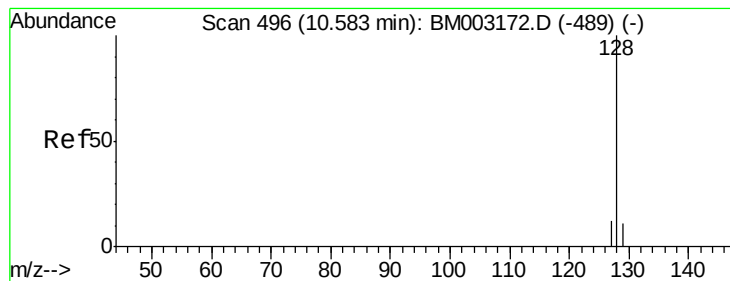
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

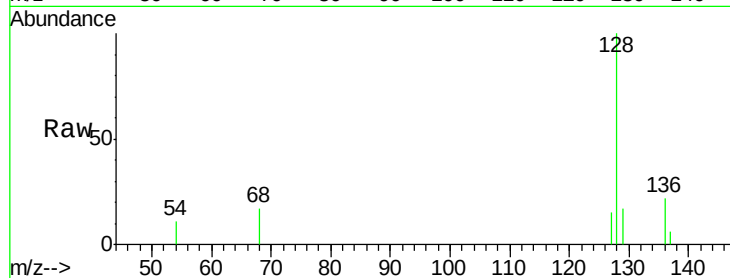
Tgt Ion:128 Resp: 4369

Ion Ratio Lower Upper

128 100

129 17.0 9.0 13.6#

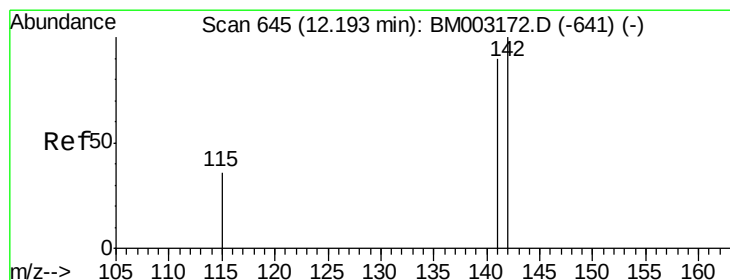
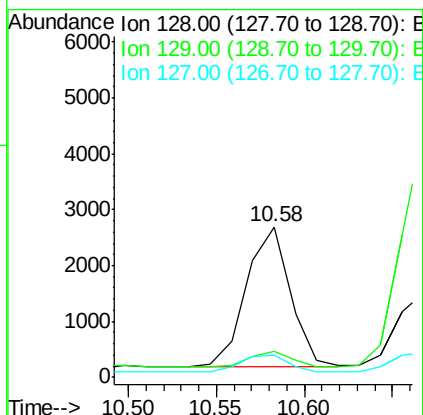
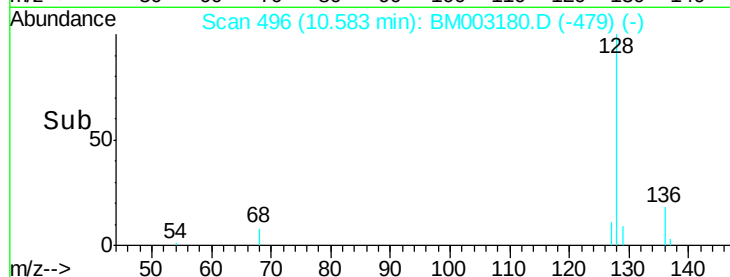
127 14.6 9.6 14.4#



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: BM003180.D

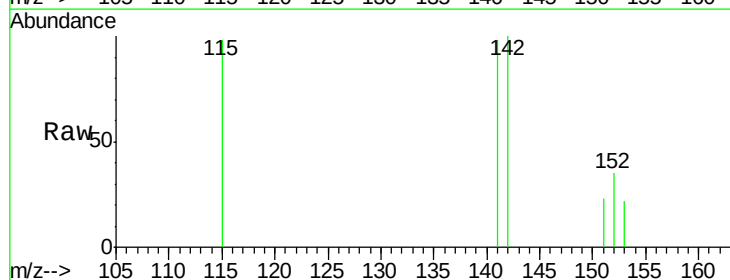
Acq: 19 Nov 2015 03:22

Tgt Ion:142 Resp: 546

Ion Ratio Lower Upper

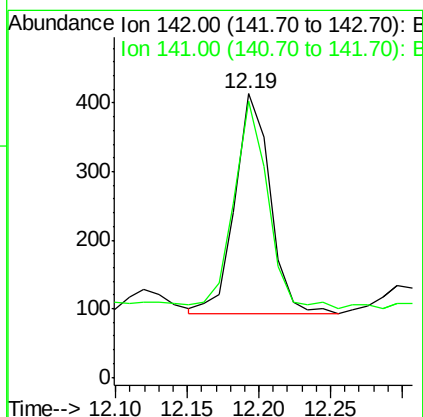
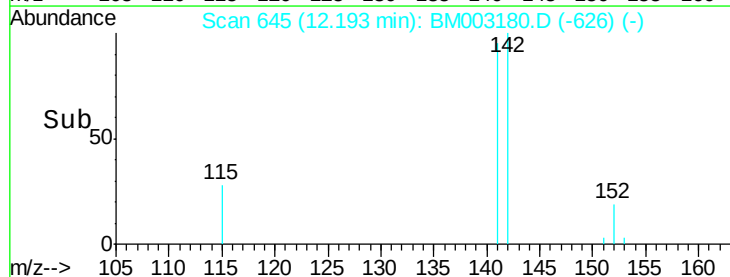
142 100

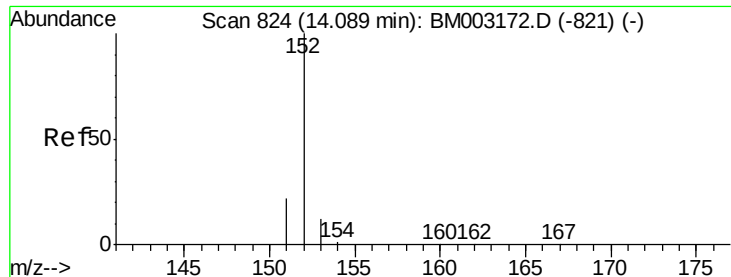
141 85.7 0.0 0.0#



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: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

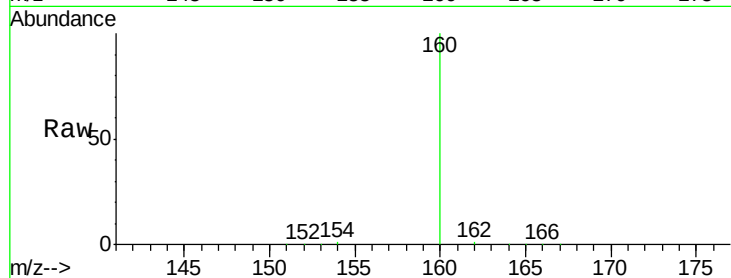
Tgt Ion:152 Resp: 533

Ion Ratio Lower Upper

152 100

151 42.0 17.6 26.4#

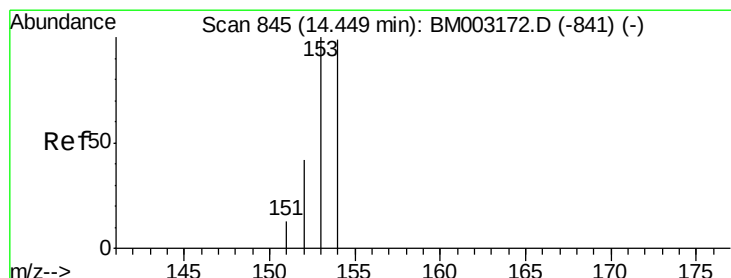
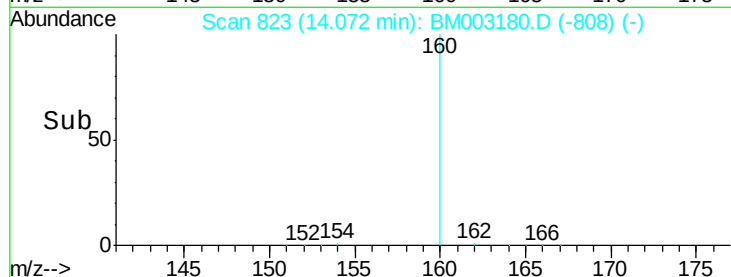
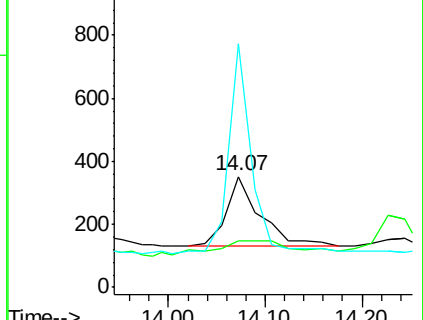
153 219.6 9.7 14.5#



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. 0.00 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

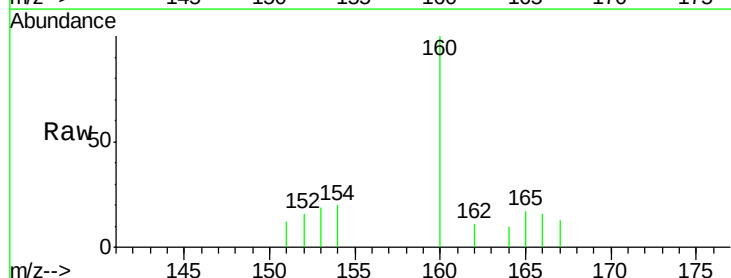
Tgt Ion:153 Resp: 365

Ion Ratio Lower Upper

153 100

152 82.7 33.9 50.9#

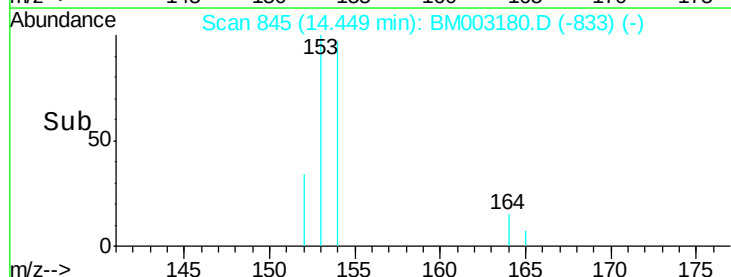
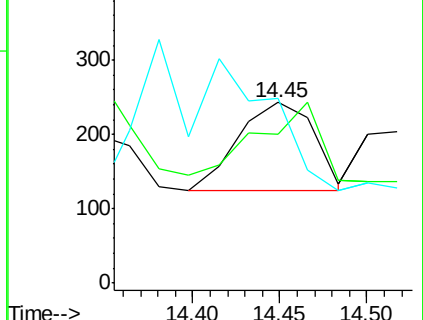
154 102.5 80.6 121.0

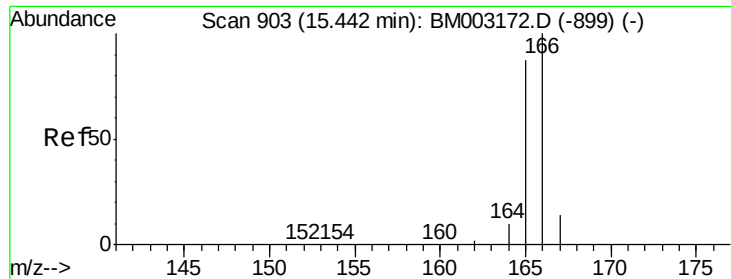


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.05 ng/ul

RT: 15.39 min Scan# 900

Delta R.T. -0.05 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

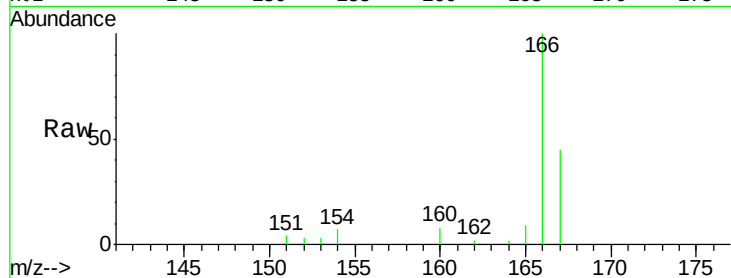
Tgt Ion:166 Resp: 12569

Ion Ratio Lower Upper

166 100

165 8.7 69.6 104.4#

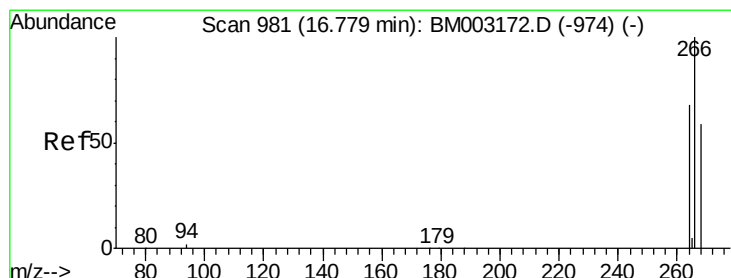
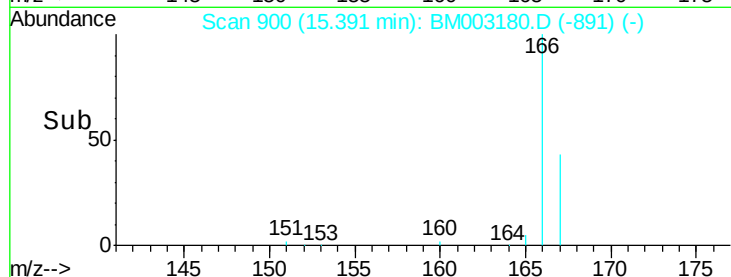
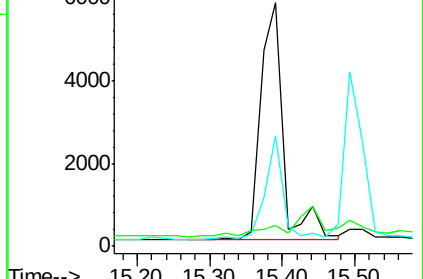
167 45.3 11.9 17.9#



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: BM003180.D

Acq: 19 Nov 2015 03:22

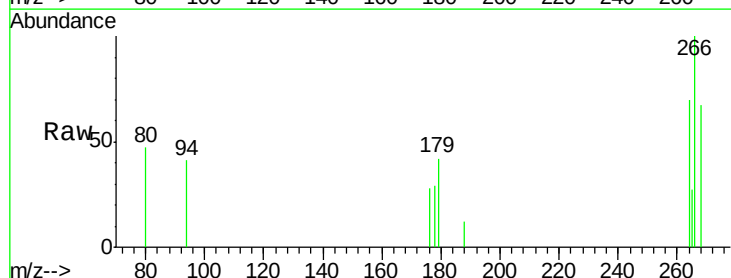
Tgt Ion:266 Resp: 1475

Ion Ratio Lower Upper

266 100

264 63.5 0.3 0.5#

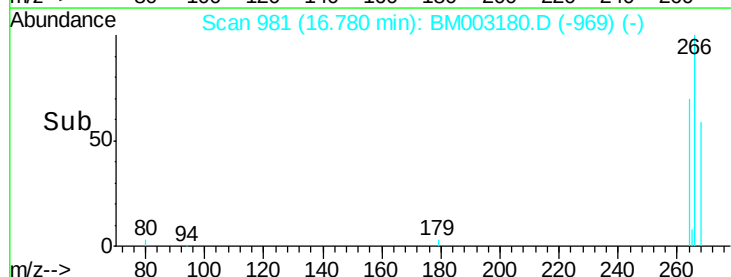
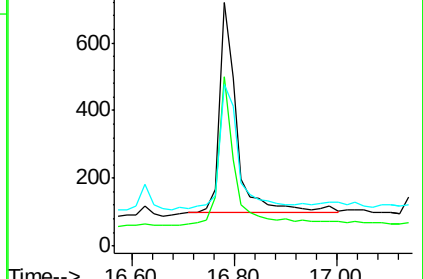
268 66.5 0.0 0.0#

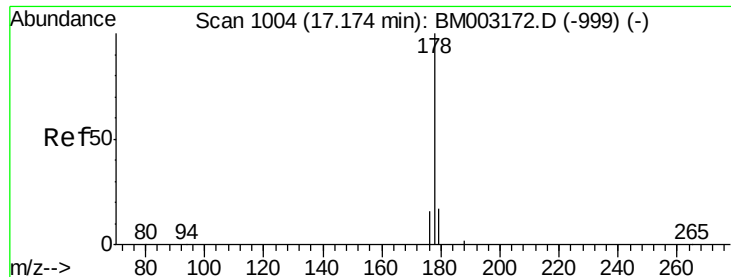


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

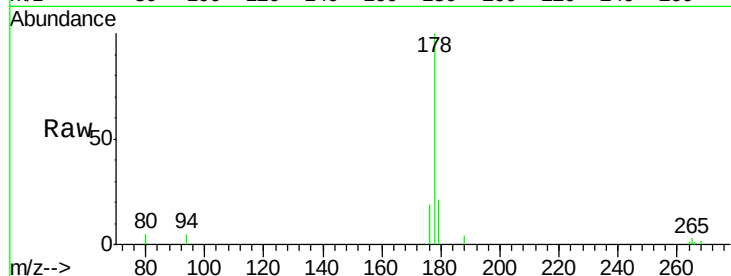
Tgt Ion:178 Resp: 12876

Ion Ratio Lower Upper

178 100

176 18.9 13.0 19.4

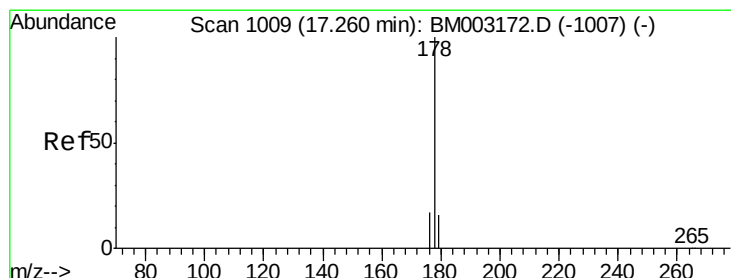
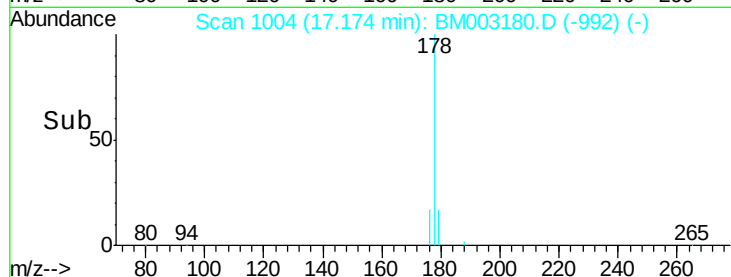
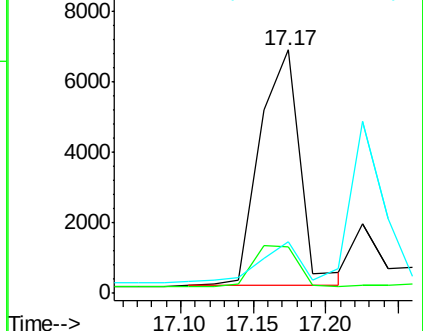
179 21.0 14.2 21.2



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: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

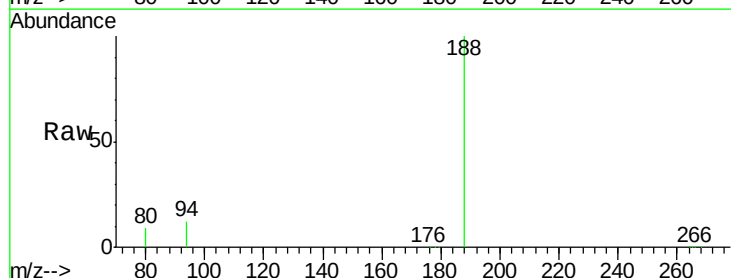
Tgt Ion:178 Resp: 3215

Ion Ratio Lower Upper

178 100

176 11.7 14.0 21.0#

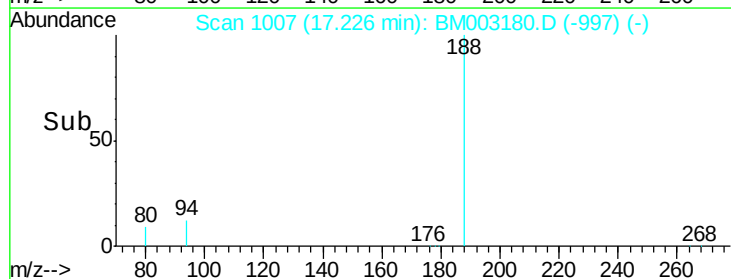
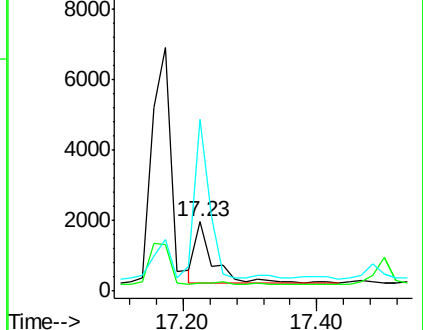
179 248.7 12.9 19.3#

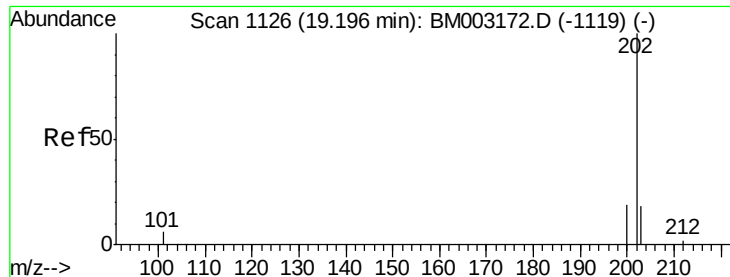


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

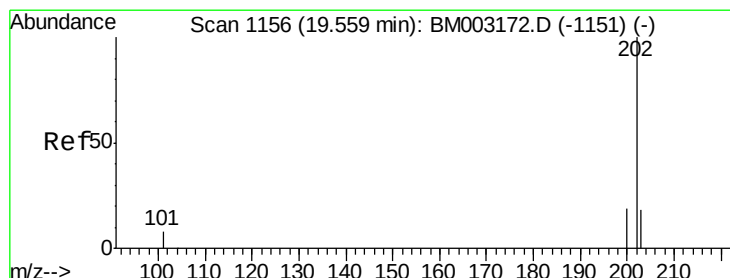
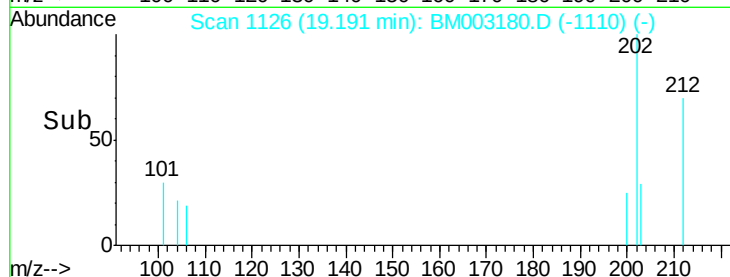
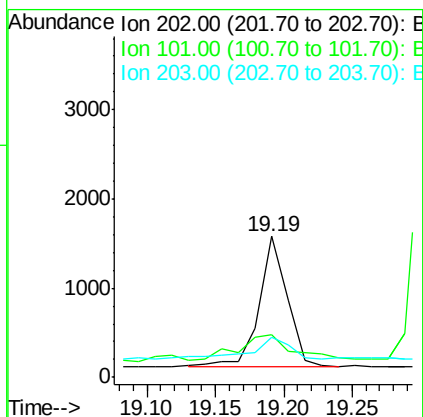
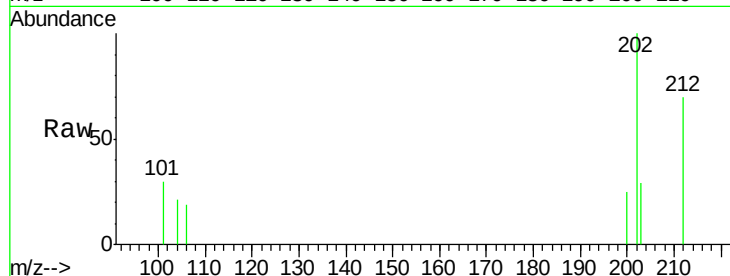




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003180.D
Acq: 19 Nov 2015 03:22

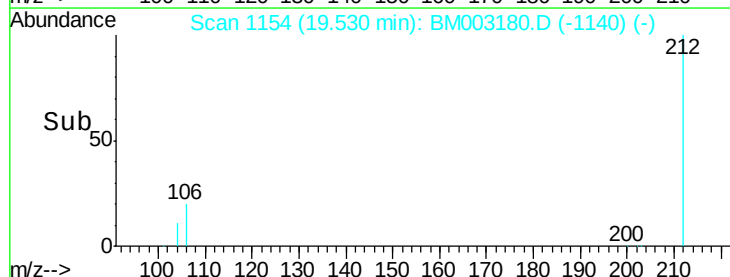
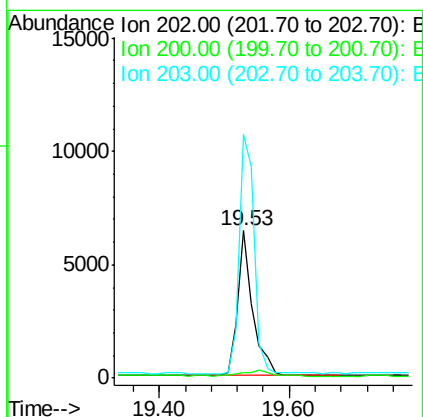
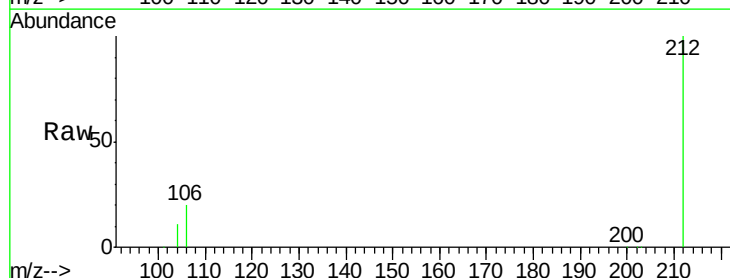
Instrument :
BNA_M
ClientSampleId :
A4HT8

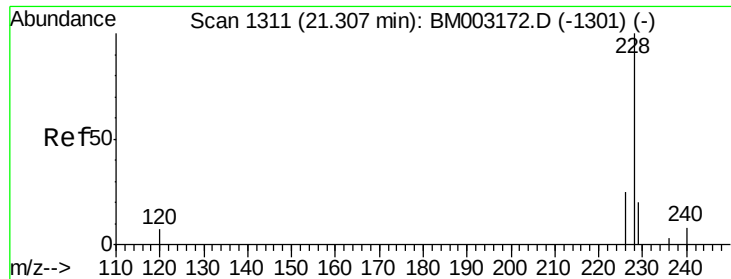
Tgt Ion:202 Resp: 2080
Ion Ratio Lower Upper
202 100
101 30.3 0.0 29.6#
203 28.6 0.0 36.3



#19
Pyrene
Concen: 0.01 ng/ul
RT: 19.53 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BM003180.D
Acq: 19 Nov 2015 03:22

Tgt Ion:202 Resp: 10430
Ion Ratio Lower Upper
202 100
200 3.9 17.8 26.8#
203 165.6 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.32 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

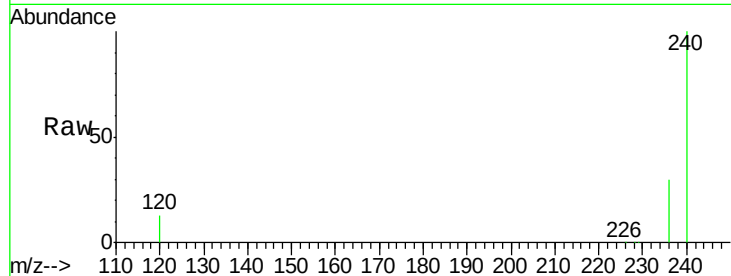
Tgt Ion:228 Resp: 1365

Ion Ratio Lower Upper

228 100

226 28.5 18.8 28.2#

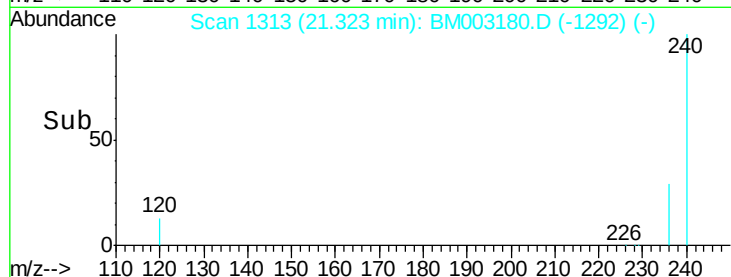
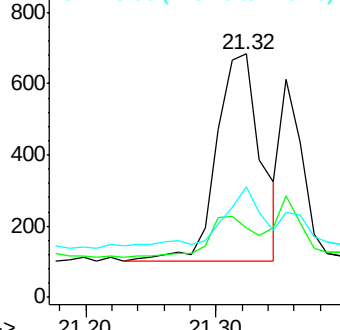
229 45.2 17.1 25.7#



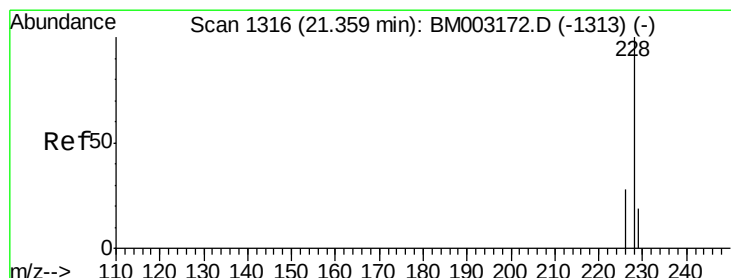
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.30



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

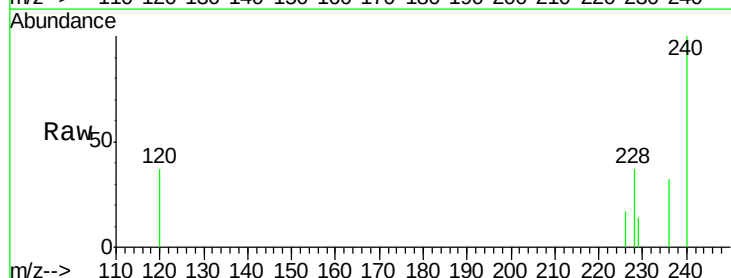
Tgt Ion:228 Resp: 575

Ion Ratio Lower Upper

228 100

226 46.4 21.2 31.8#

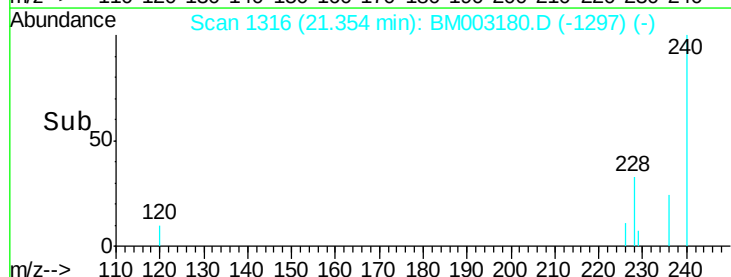
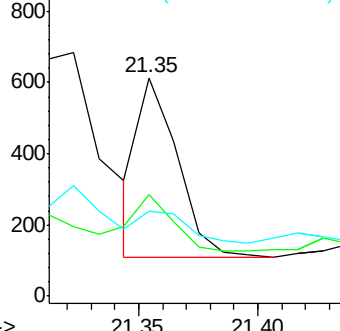
229 38.9 17.0 25.6#



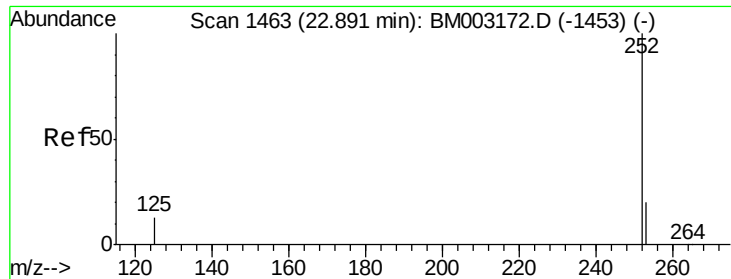
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.35 21.40



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

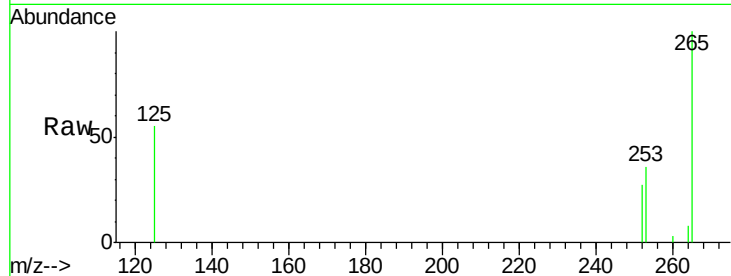
Tgt Ion:252 Resp: 1245

Ion Ratio Lower Upper

252 100

253 133.1 0.0 45.4#

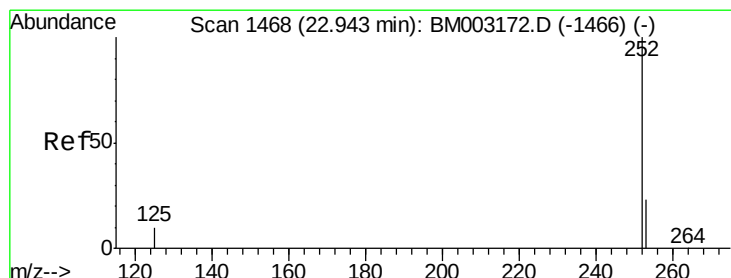
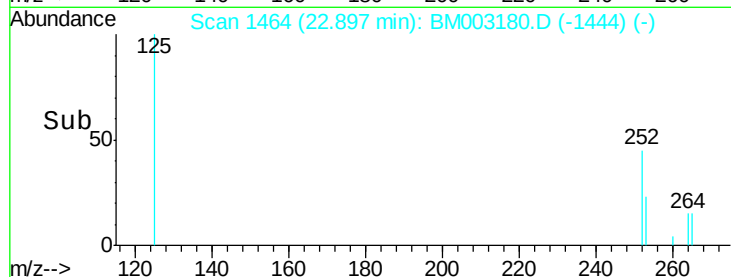
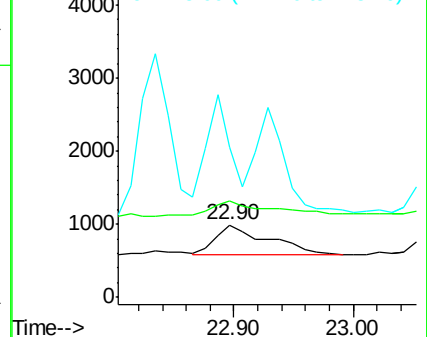
125 207.6 0.0 28.8#



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: 0.00 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

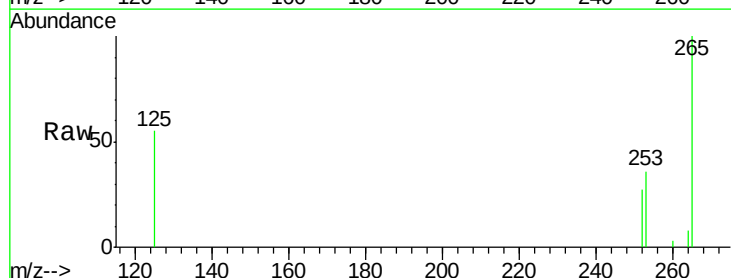
Tgt Ion:252 Resp: 1227

Ion Ratio Lower Upper

252 100

253 133.1 19.8 29.8#

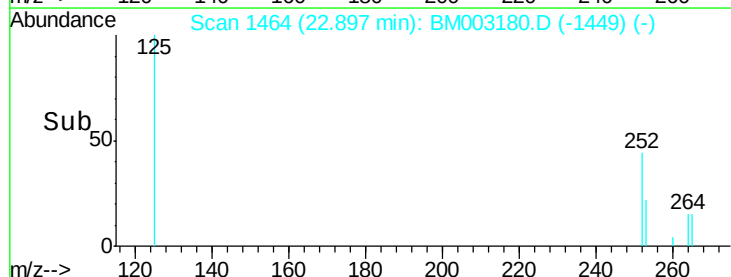
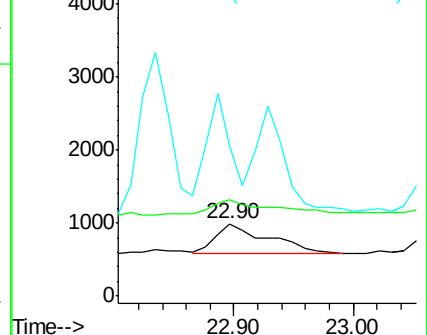
125 207.6 10.4 15.6#

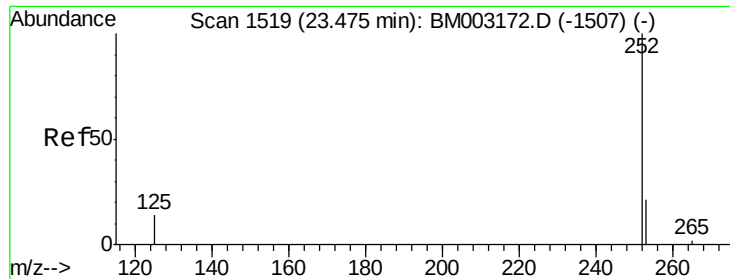


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

Instrument :

BNA_M

ClientSampleId :

A4HT8

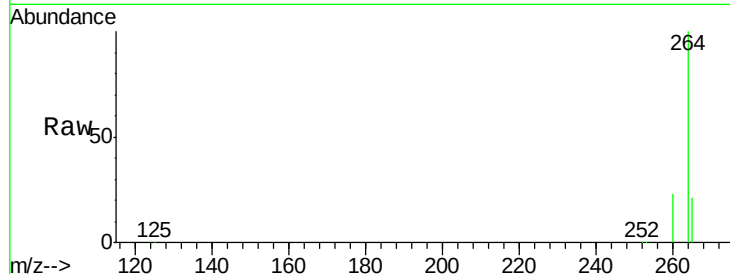
Tgt Ion: 252 Resp: 20059

Ion Ratio Lower Upper

252 100

253 36.3 19.4 29.2#

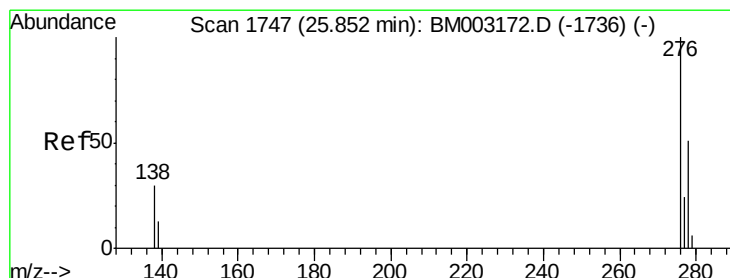
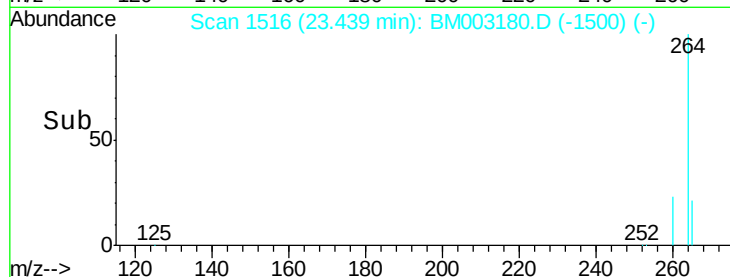
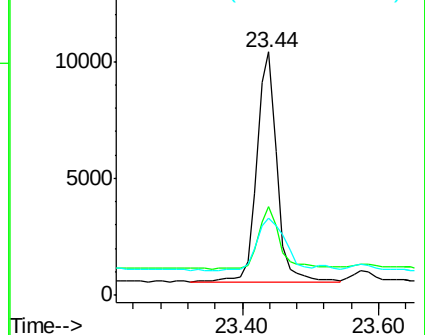
125 31.9 12.7 19.1#



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: 0.00 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM003180.D

Acq: 19 Nov 2015 03:22

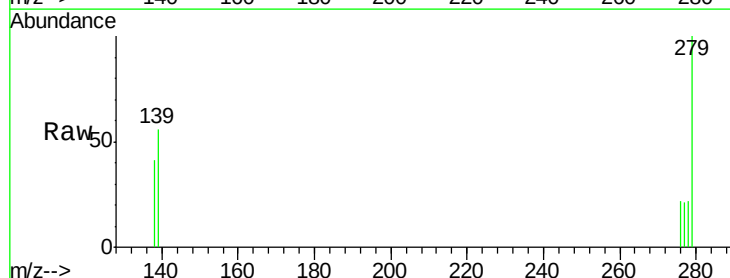
Tgt Ion: 276 Resp: 475

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

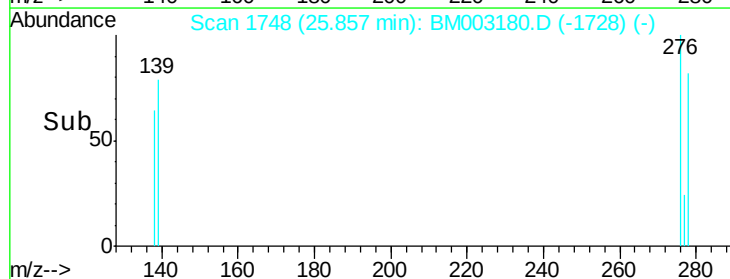
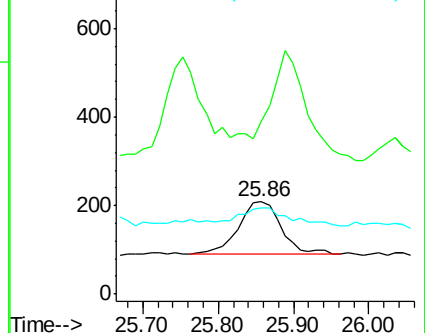
277 41.5 0.0 0.0#

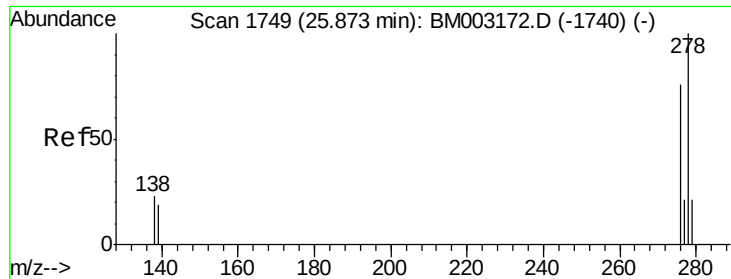


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



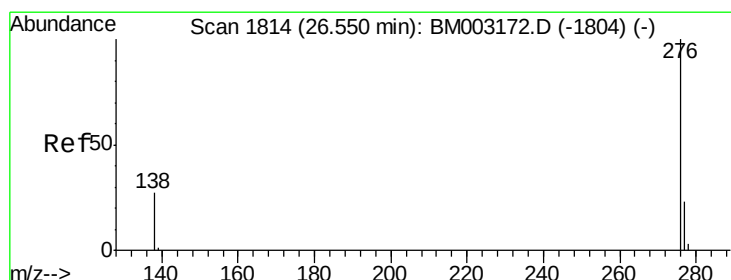
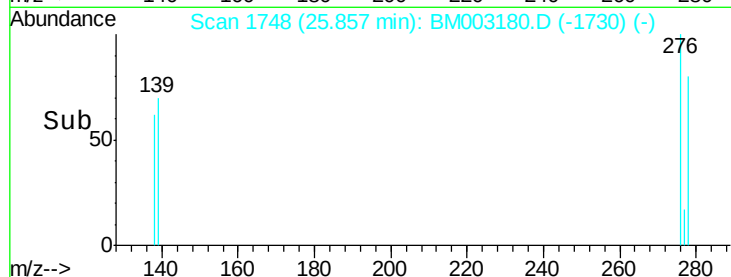
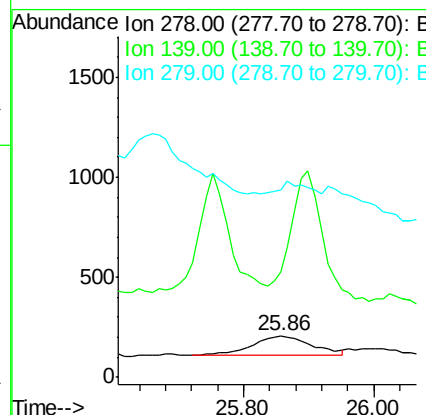
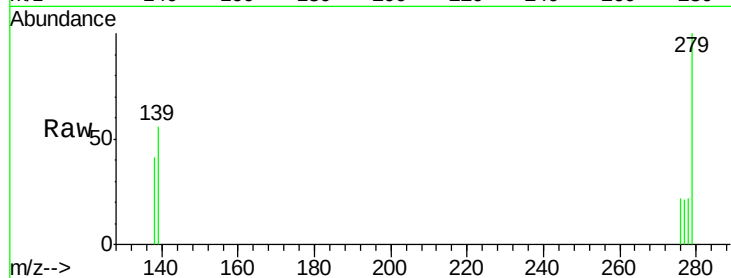


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BM003180.D
Acq: 19 Nov 2015 03:22

Instrument :
BNA_M
ClientSampleId :
A4HT8

Tgt Ion: 278 Resp: 644

Ion	Ratio	Lower	Upper
278	100		
139	253.4	16.4	24.6#
279	451.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BM003180.D
Acq: 19 Nov 2015 03:22

Tgt Ion: 276 Resp: 437

Ion	Ratio	Lower	Upper
276	100		
277	80.5	18.9	28.3#
138	144.3	22.5	33.7#

