

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003200.D
 Acq On : 19 Nov 2015 21:19
 Operator : UM/IZ
 Sample : G4323-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HW1

Quant Time: Nov 20 03:41:04 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 : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14560	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	57559	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31821	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3754093	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	61058	0.40	ng/ul	-0.01
22) Perylene-d12	23.44	264	3514605	0.40	ng/ul	-0.15

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	71561	4.60	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	19955	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	38417	0.00	ng/ul	0.00

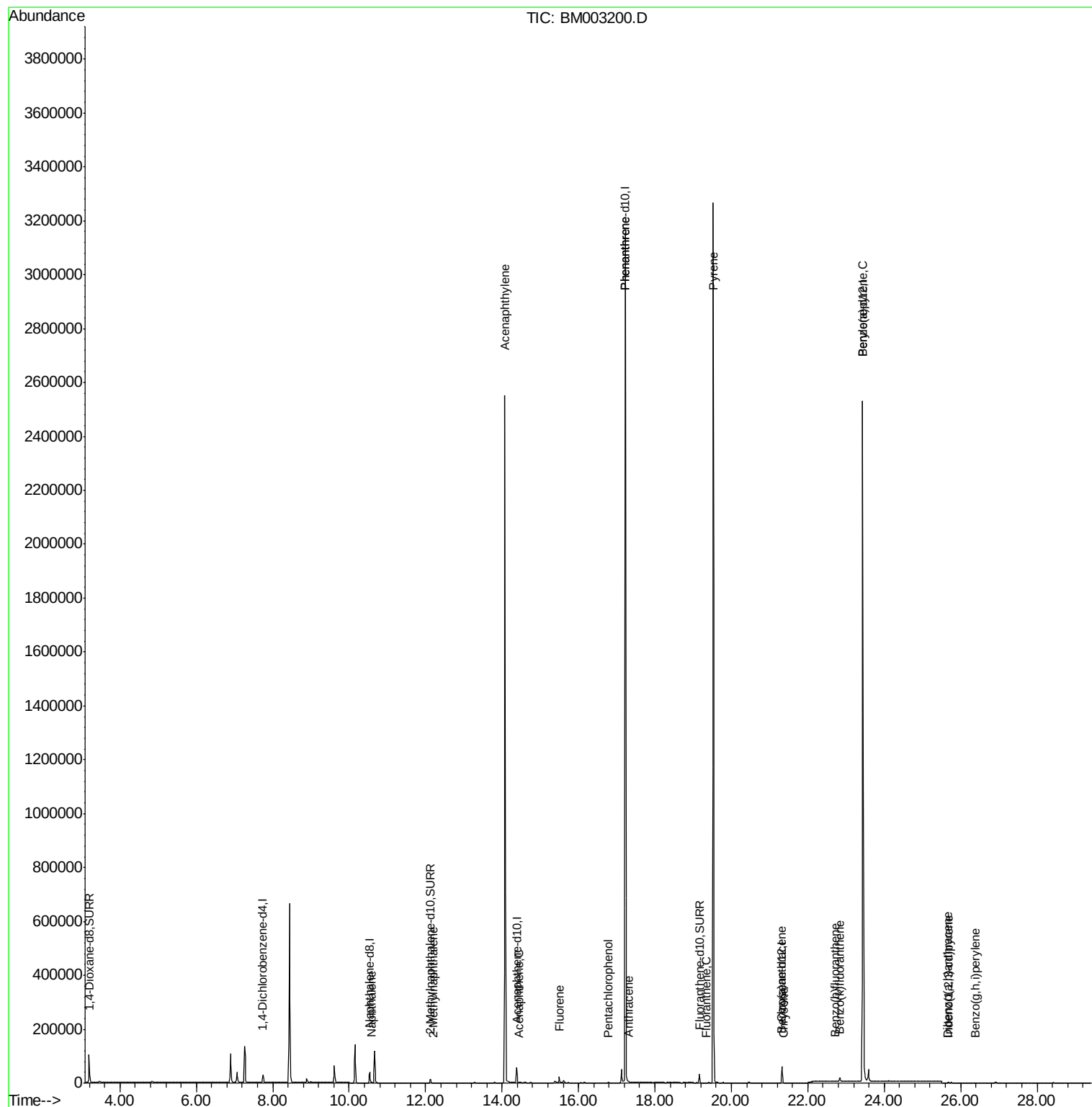
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	4025	0.03	ng/ul#	89
7) 2-Methylnaphthalene	12.19	142	349	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	464	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	392	0.00	ng/ul#	81
11) Fluorene	15.49	166	350	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	658	0.00	ng/ul#	29
14) Phenanthrene	17.23	178	1657	0.00	ng/ul#	1
15) Anthracene	17.31	178	128	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	71	0.00	ng/ul#	1
19) Pyrene	19.53	202	6425	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	556	0.00	ng/ul#	33
21) Chrysene	21.36	228	360	0.00	ng/ul#	44
23) Benzo(b)fluoranthene	22.72	252	21	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.83	252	114	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	13199	0.00	ng/ul#	66
26) Indeno(1,2,3-cd)pyrene	25.68	276	11	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.67	278	73	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.39	276	18	0.00	ng/ul#	1

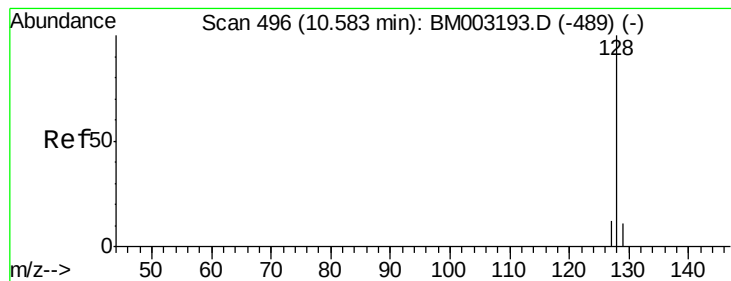
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

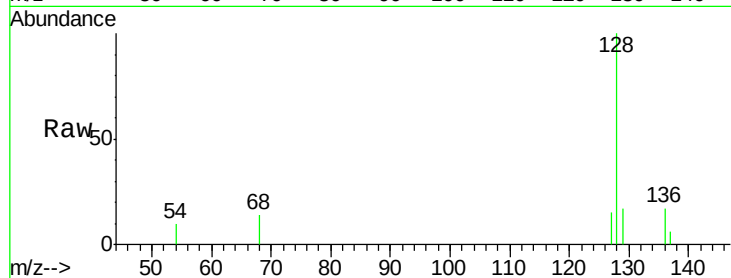
Tot Ion:128 Resp: 4025

Ion Ratio Lower Upper

128 100

129 16.7 9.0 13.6#

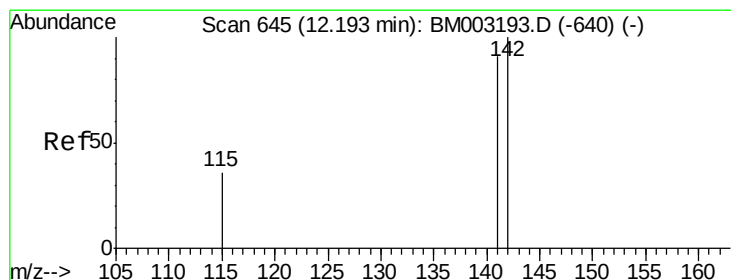
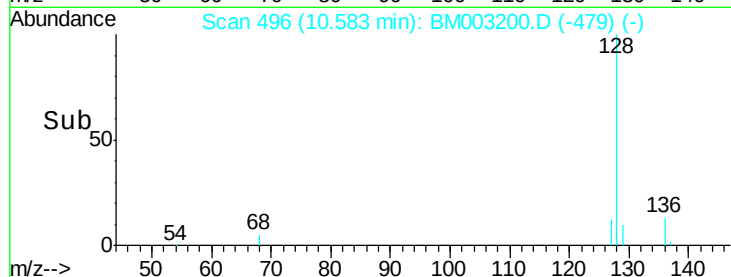
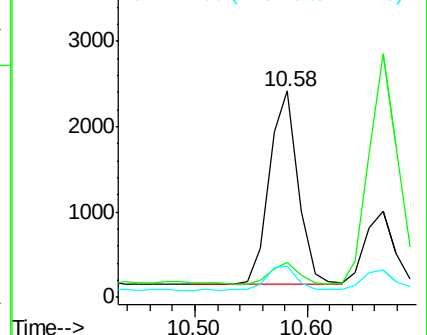
127 15.3 9.6 14.4#



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: BM003200.D

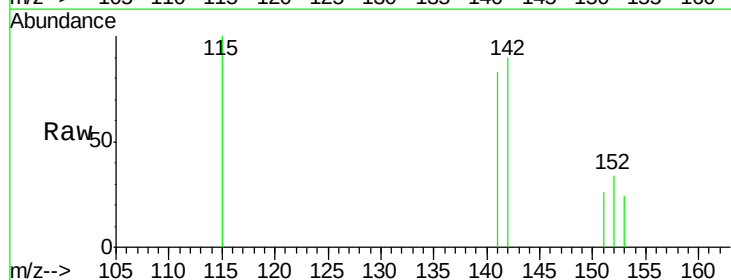
Acq: 19 Nov 2015 21:19

Tgt Ion:142 Resp: 349

Ion Ratio Lower Upper

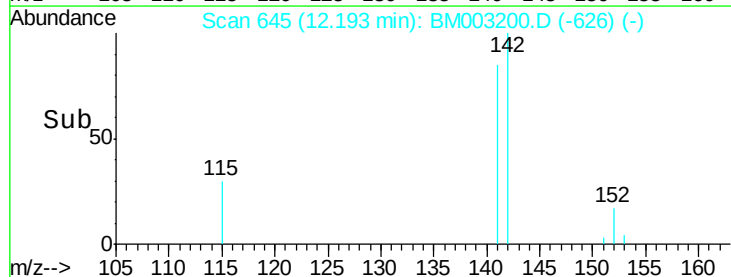
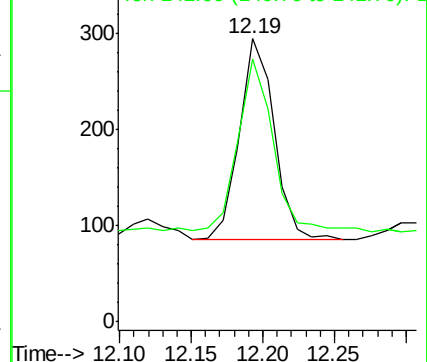
142 100

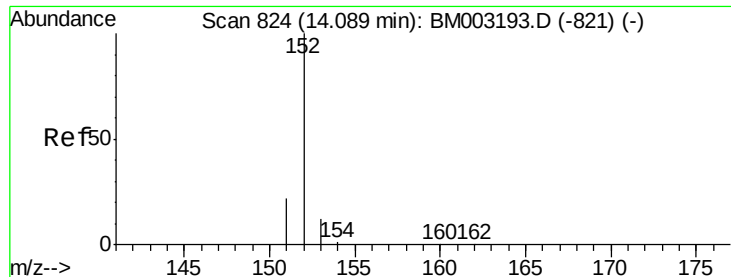
141 88.8 0.0 0.0#



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: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

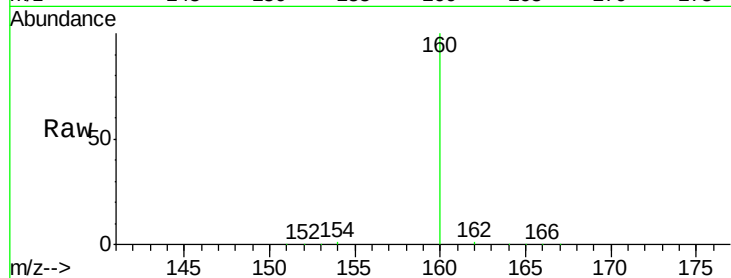
Tot Ion:152 Resp: 464

Ion Ratio Lower Upper

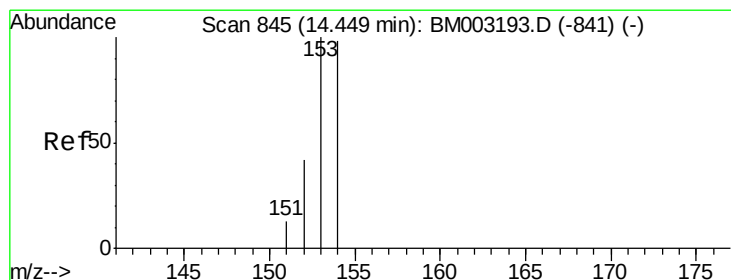
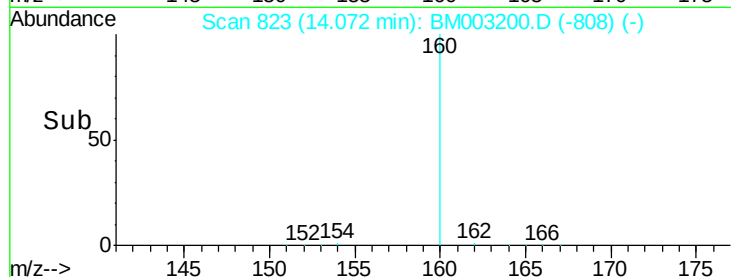
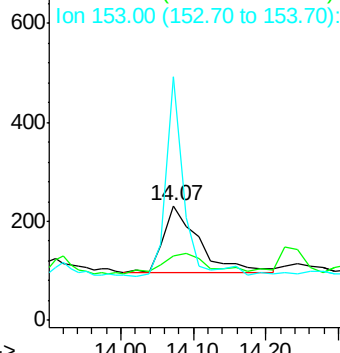
152 100

151 55.6 17.6 26.4#

153 212.1 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: BM003200.D

Acq: 19 Nov 2015 21:19

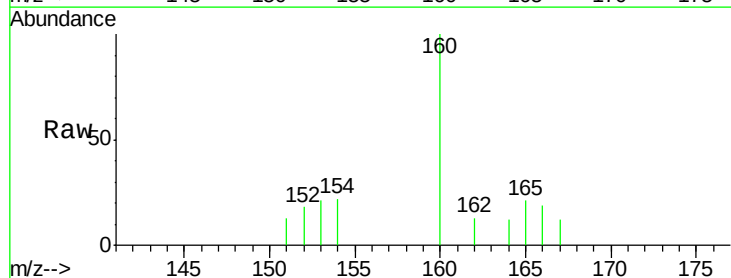
Tgt Ion:153 Resp: 392

Ion Ratio Lower Upper

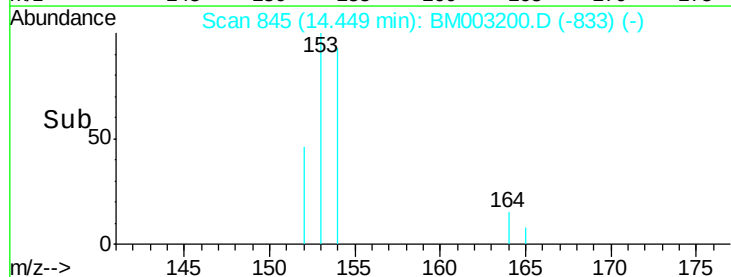
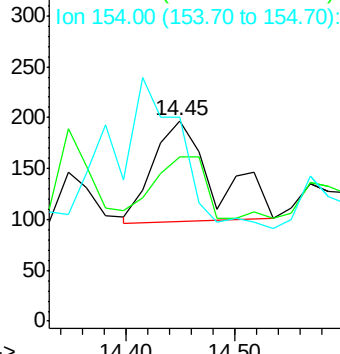
153 100

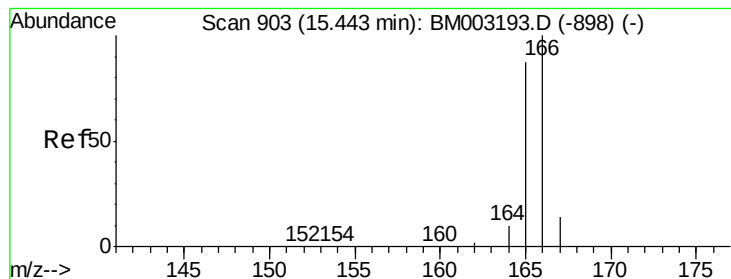
152 82.2 33.9 50.9#

154 101.5 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: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

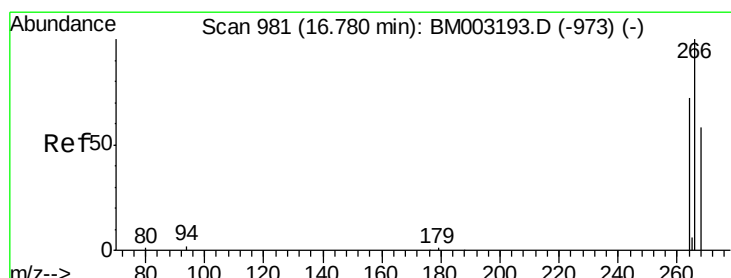
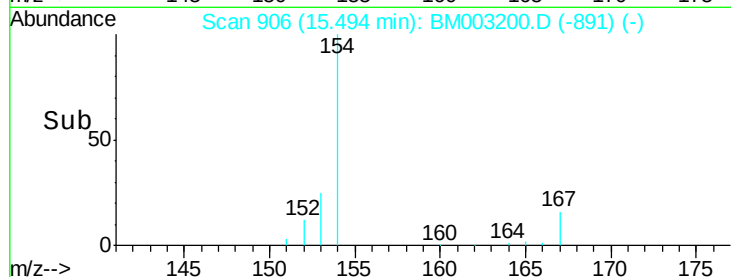
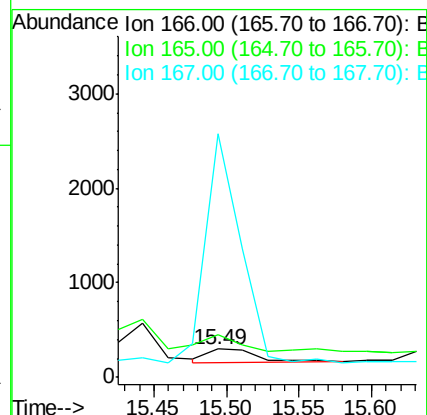
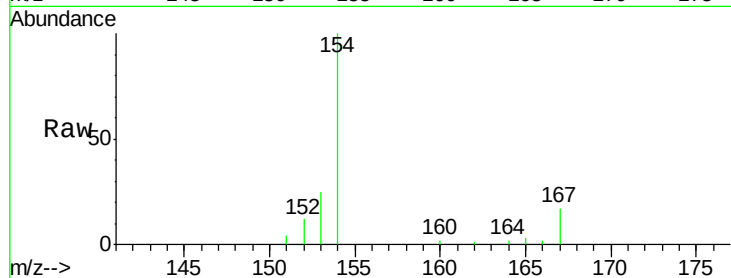
Tot Ion:166 Resp: 350

Ion Ratio Lower Upper

166 100

165 153.4 69.6 104.4#

167 870.3 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

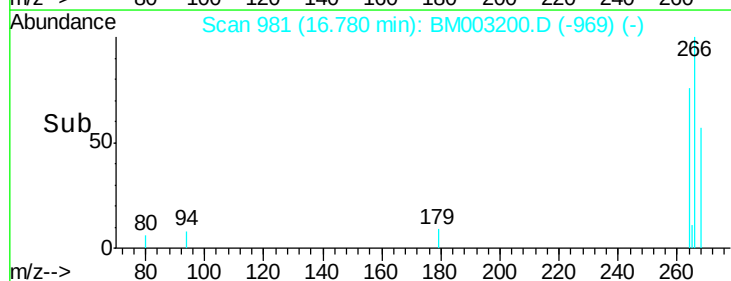
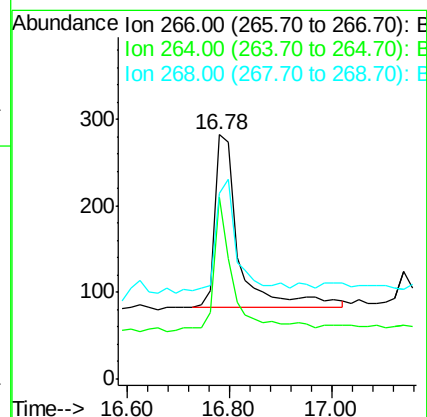
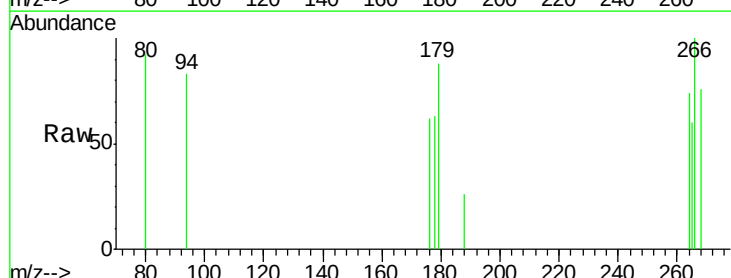
Tgt Ion:266 Resp: 658

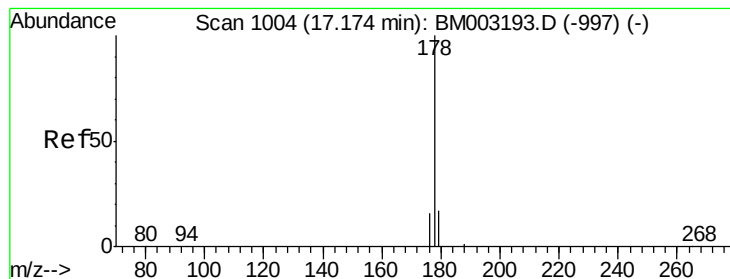
Ion Ratio Lower Upper

266 100

264 54.0 0.3 0.5#

268 52.6 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

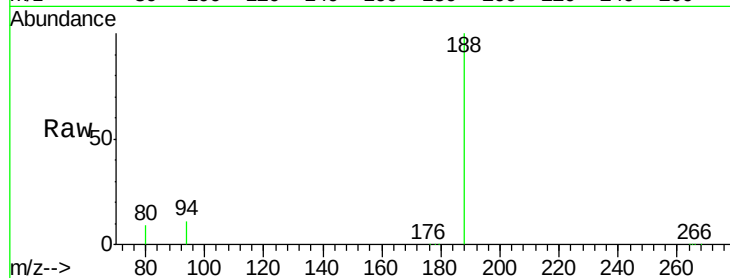
Tot Ion:178 Resp: 1657

Ion Ratio Lower Upper

178 100

176 14.8 13.0 19.4

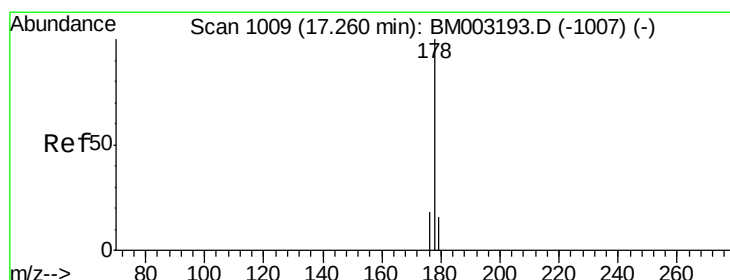
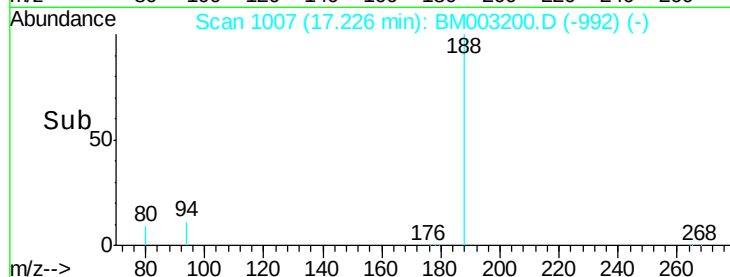
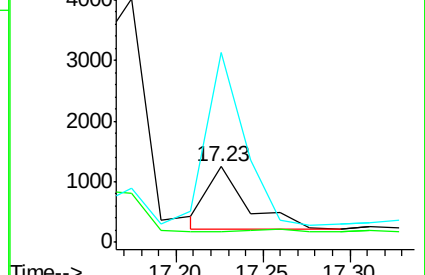
179 250.0 14.2 21.2#



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: 17.31 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

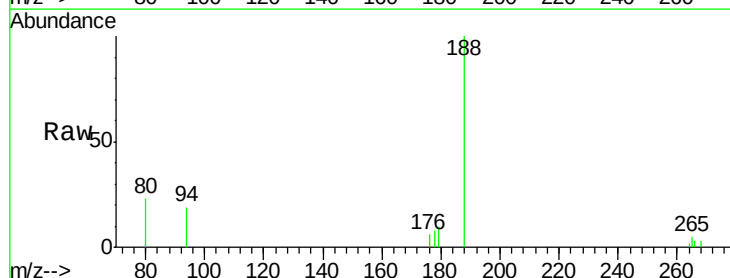
Tgt Ion:178 Resp: 128

Ion Ratio Lower Upper

178 100

176 74.2 14.0 21.0#

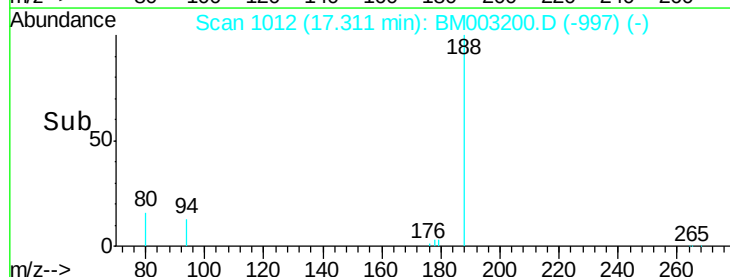
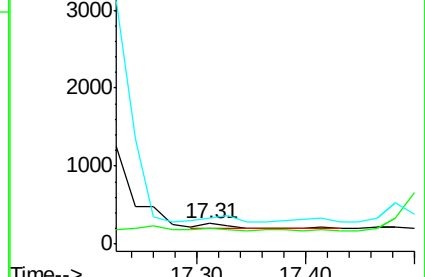
179 125.1 12.9 19.3#

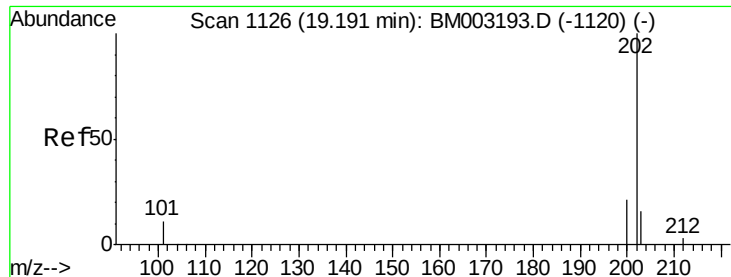


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

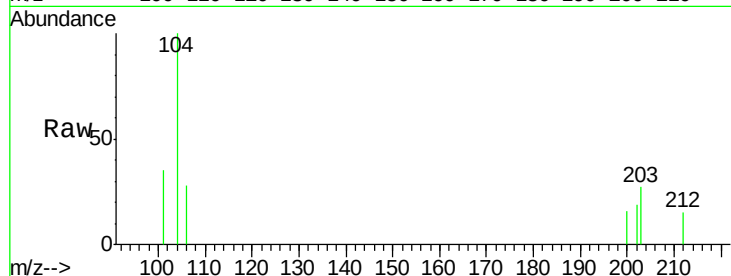
Tot Ion:202 Resp: 71

Ion Ratio Lower Upper

202 100

101 180.0 0.0 29.6#

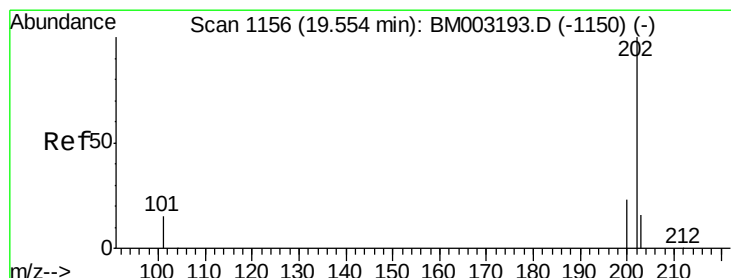
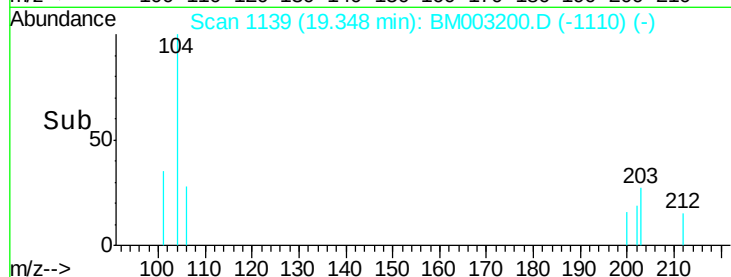
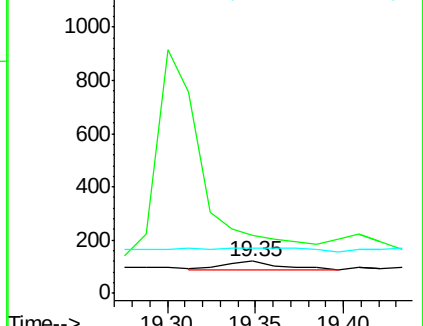
203 141.7 0.0 36.3#



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: 0.03 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

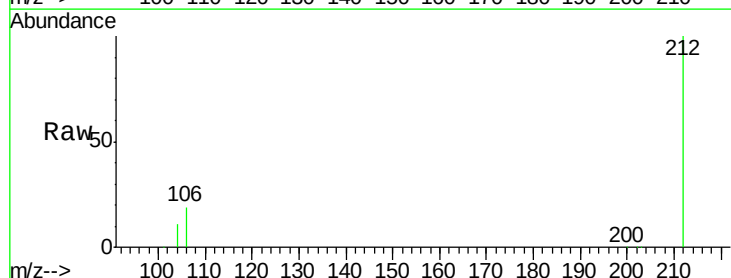
Tgt Ion:202 Resp: 6425

Ion Ratio Lower Upper

202 100

200 4.6 17.8 26.8#

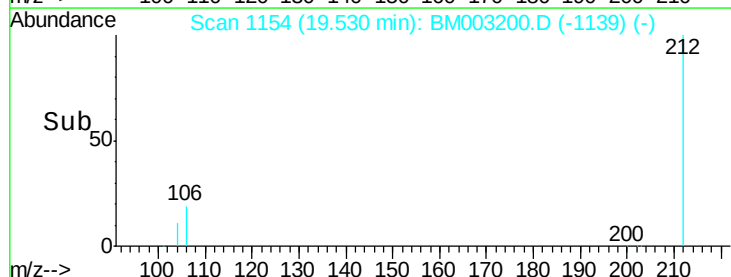
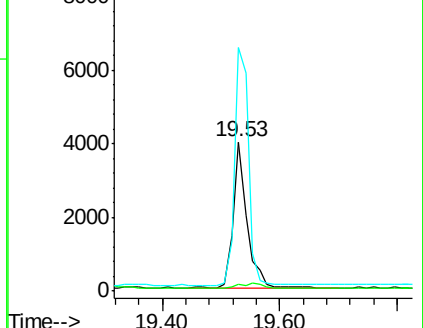
203 163.6 12.8 19.2#

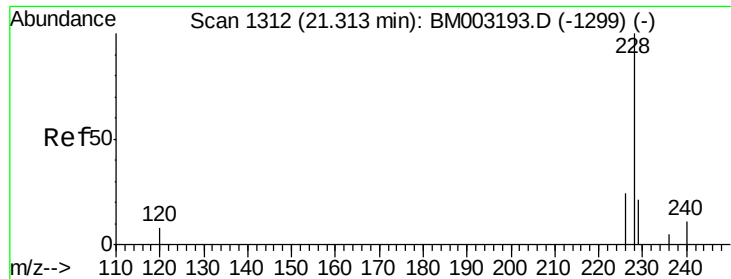


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

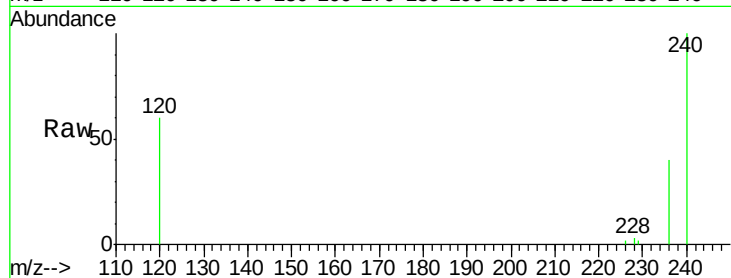
Tot Ion:228 Resp: 556

Ion Ratio Lower Upper

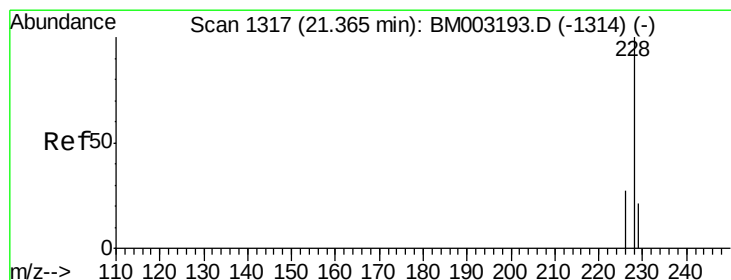
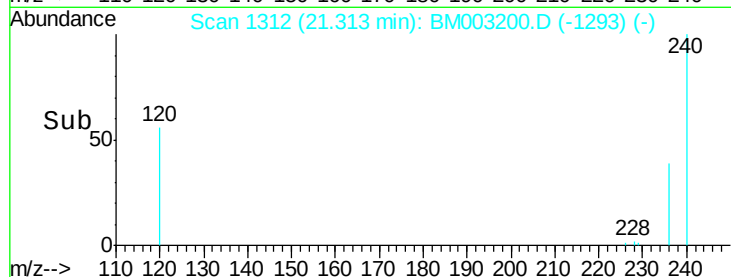
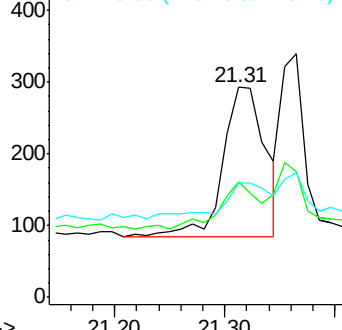
228 100

226 54.9 18.8 28.2#

229 54.6 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: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

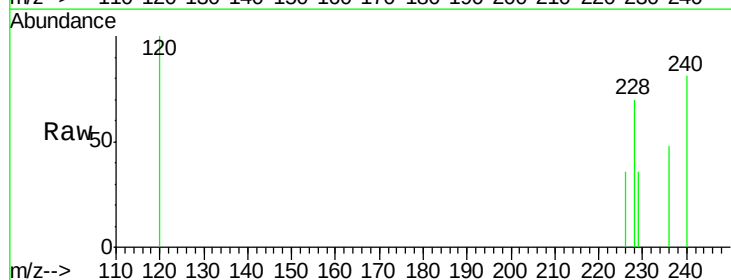
Tgt Ion:228 Resp: 360

Ion Ratio Lower Upper

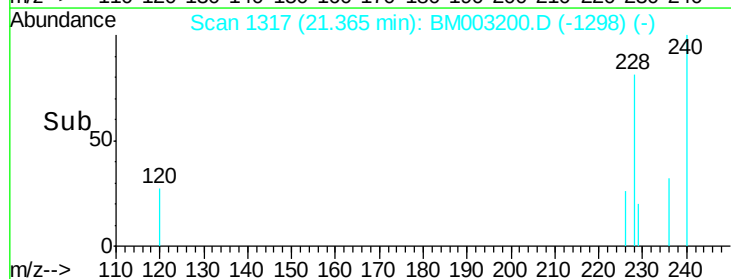
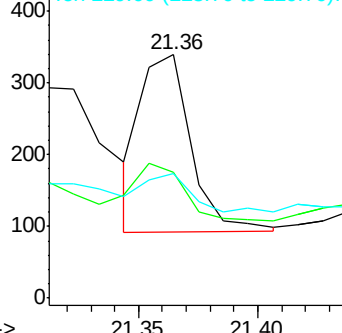
228 100

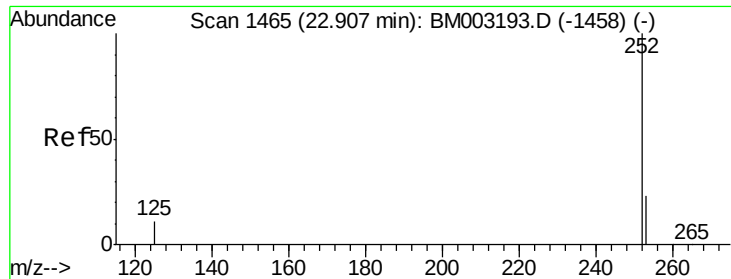
226 51.9 21.2 31.8#

229 51.0 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: 0.00 ng/ul

RT: 22.72 min Scan# 1447

Delta R.T. -0.19 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

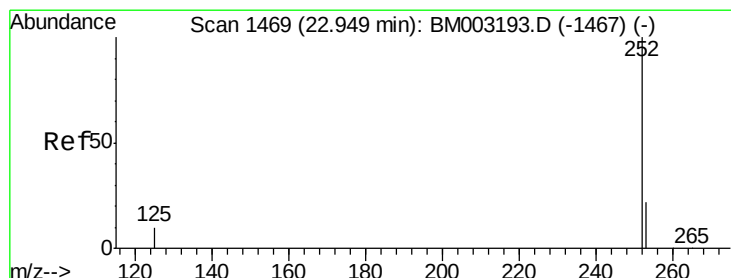
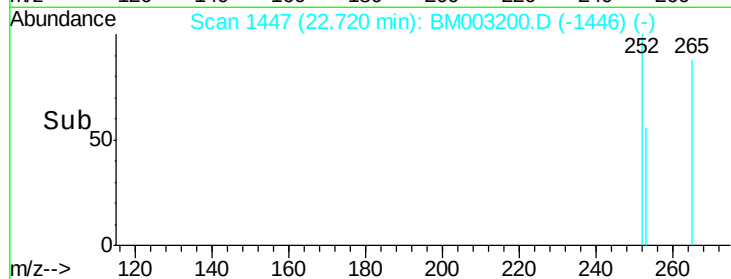
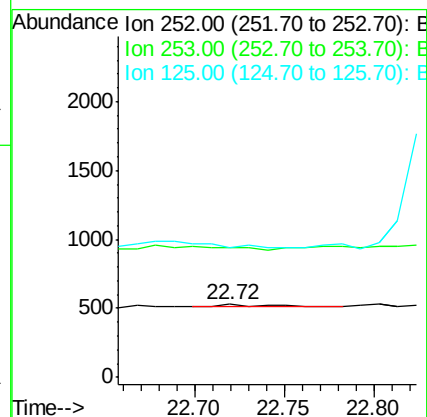
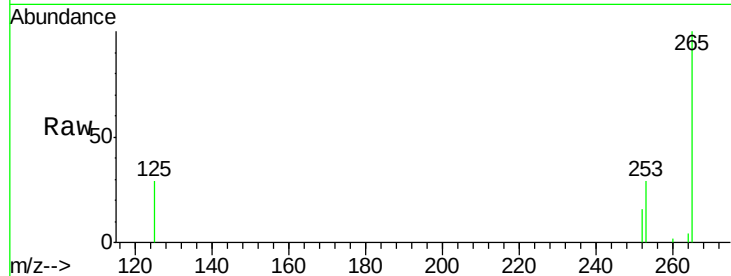
Tot Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 178.6 0.0 45.4#

125 178.6 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.83 min Scan# 1458

Delta R.T. -0.11 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

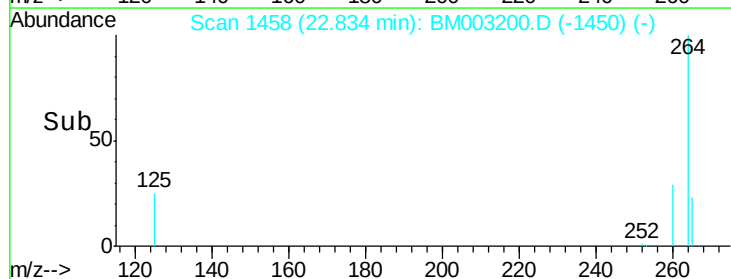
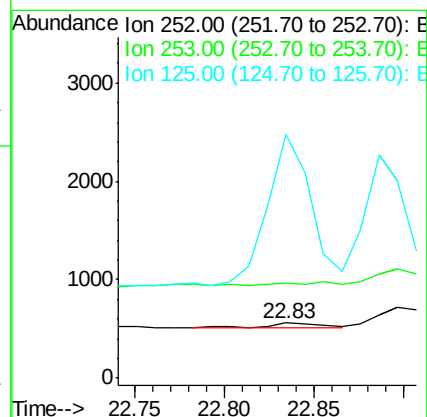
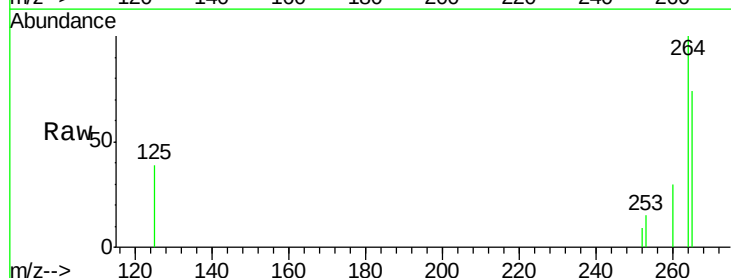
Tgt Ion:252 Resp: 114

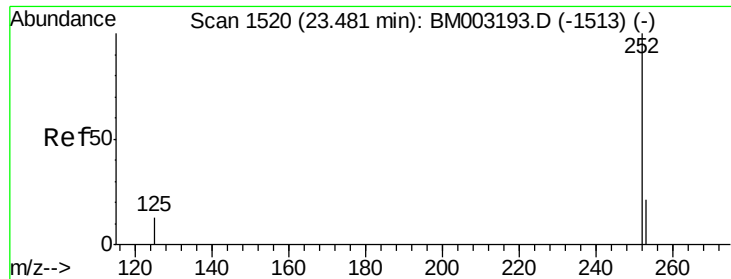
Ion Ratio Lower Upper

252 100

253 172.2 19.8 29.8#

125 440.4 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

Instrument :

BNA_M

ClientSampleId :

A4HW1

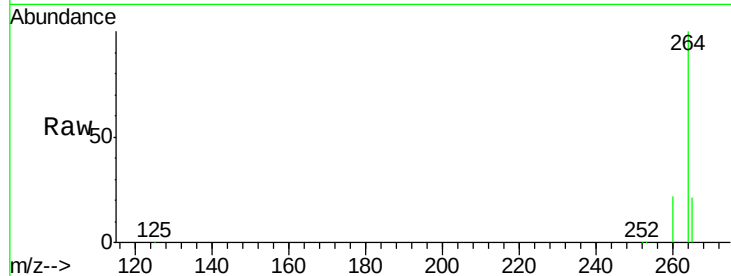
Tot Ion:252 Resp: 13199

Ion Ratio Lower Upper

252 100

253 37.5 19.4 29.2#

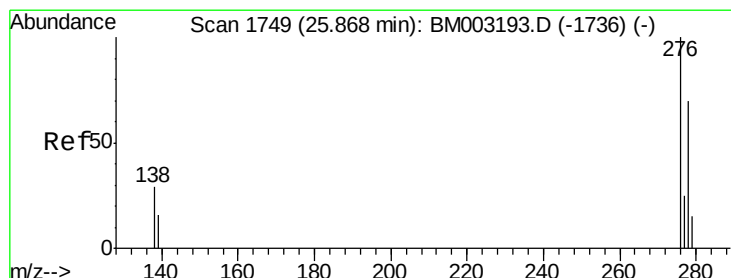
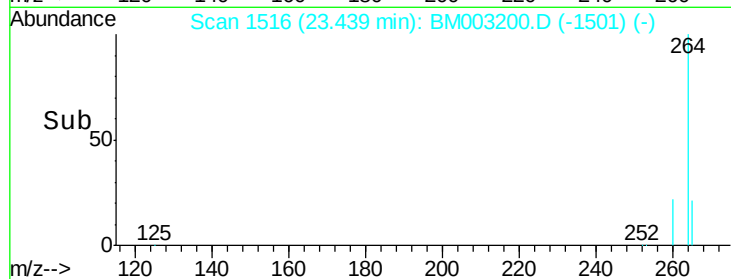
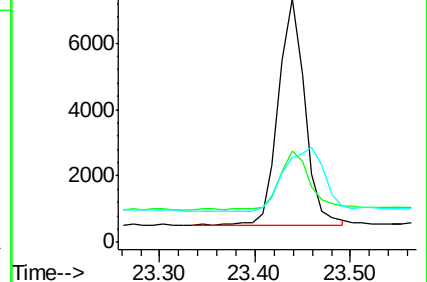
125 34.7 12.7 19.1#



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: 25.68 min Scan# 1731

Delta R.T. -0.19 min

Lab File: BM003200.D

Acq: 19 Nov 2015 21:19

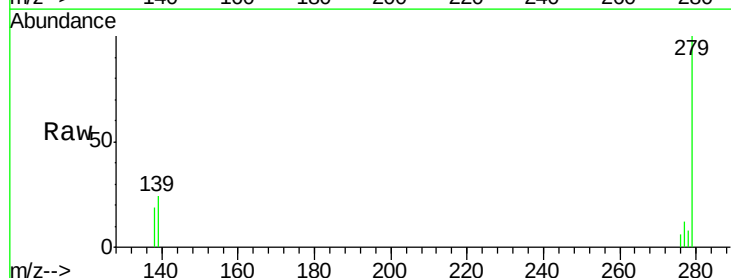
Tgt Ion:276 Resp: 11

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

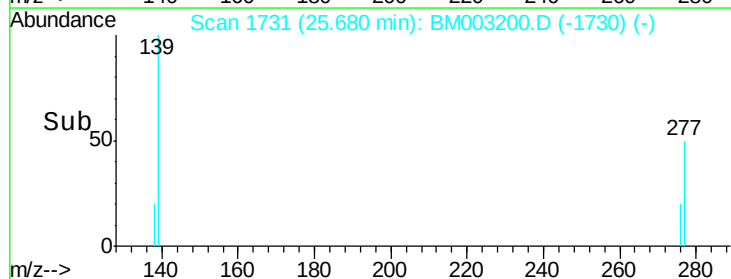
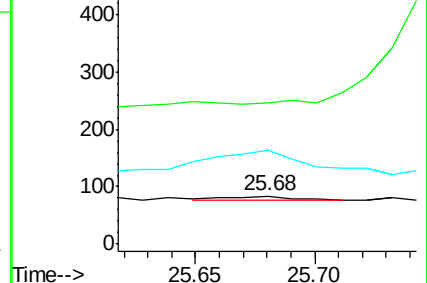
277 1281.8 0.0 0.0#

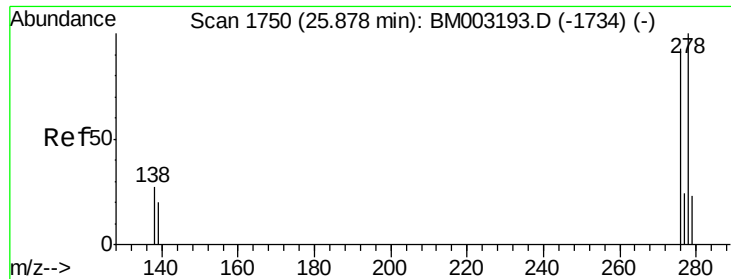


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

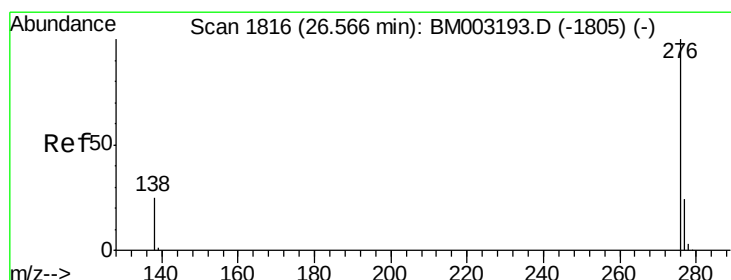
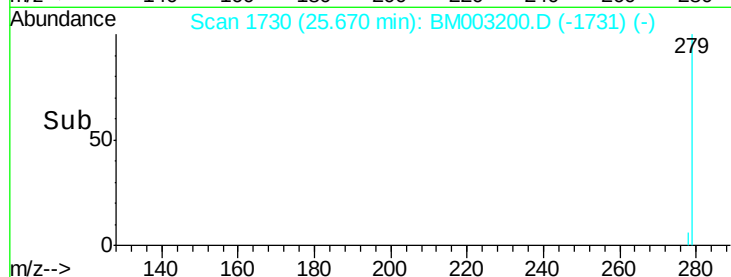
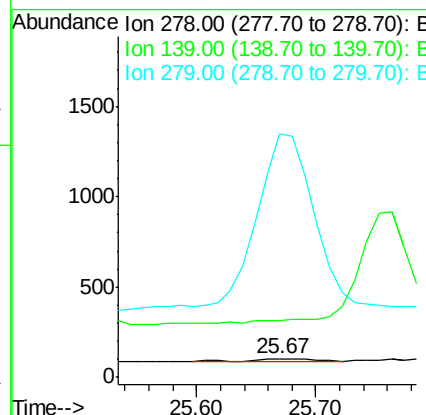
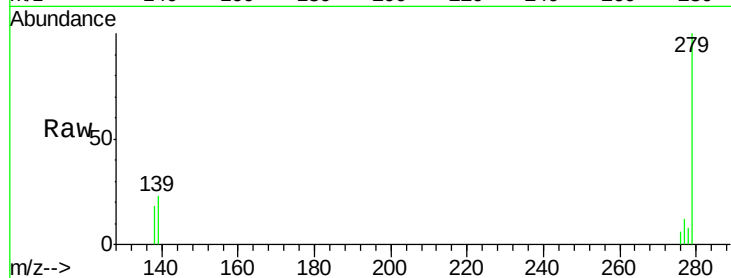




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.67 min Scan# 1730
Delta R.T. -0.21 min
Lab File: BM003200.D
Acq: 19 Nov 2015 21:19

Instrument :
BNA_M
ClientSampleId :
A4HW1

Tot Ion:278 Resp: 73
Ion Ratio Lower Upper
278 100
139 305.8 16.4 24.6#
279 1308.7 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.39 min Scan# 1799
Delta R.T. -0.18 min
Lab File: BM003200.D
Acq: 19 Nov 2015 21:19

Tgt Ion:276 Resp: 18
Ion Ratio Lower Upper
276 100
277 150.6 18.9 28.3#
138 307.4 22.5 33.7#

