

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003189.D
 Acq On : 19 Nov 2015 13:10
 Operator : UM/IZ
 Sample : G4323-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT2

Quant Time: Nov 20 02:42:25 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 : Fri Nov 20 02:40:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13809	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53475	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29229	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3027955	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	61864	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3222409	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	62384	4.23	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	17161	0.24	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	37788	0.01	ng/ul	0.00

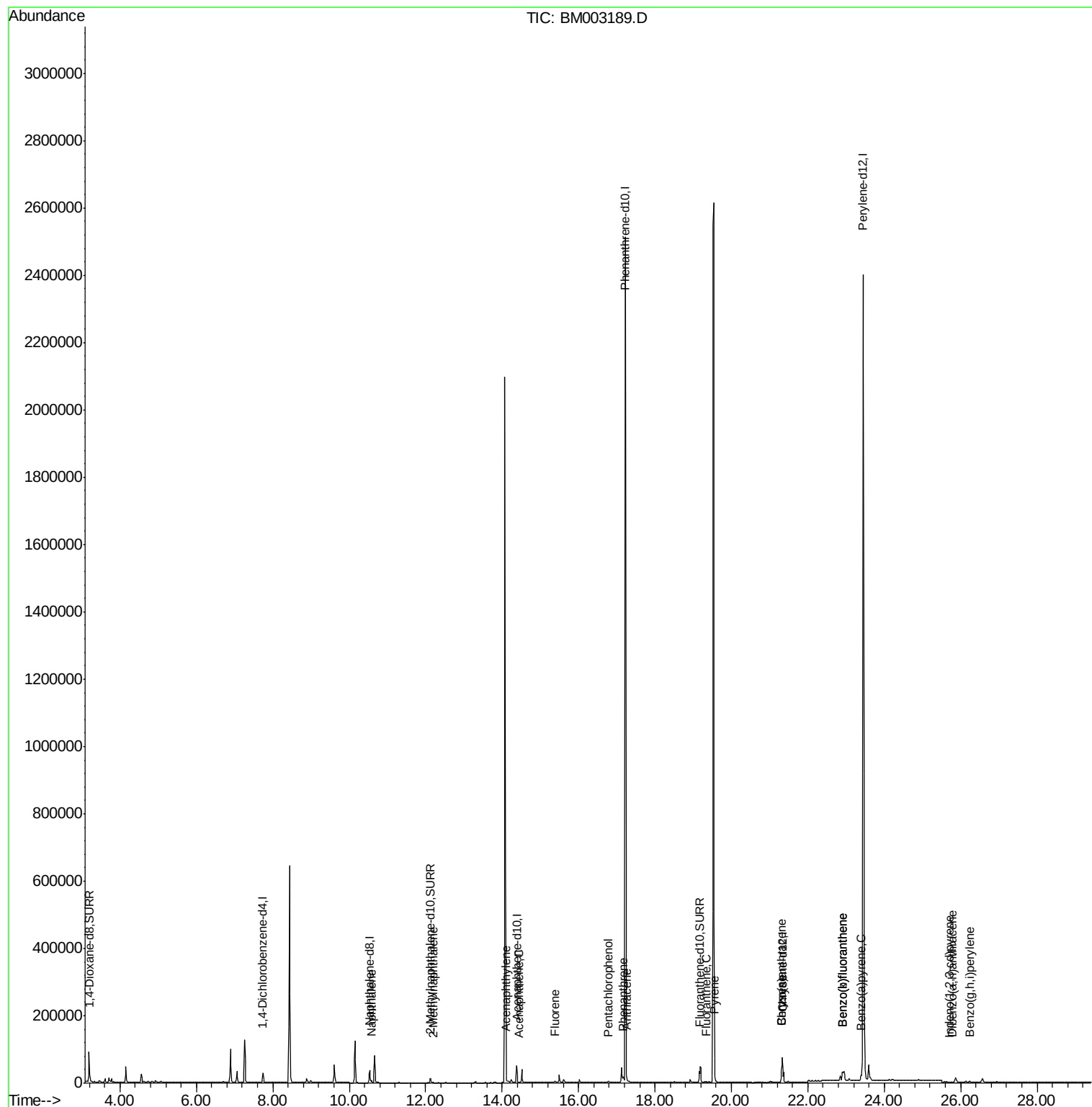
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	8632	0.06	ng/ul#	95
7) 2-Methylnaphthalene	12.19	142	892	0.01	ng/ul#	100
9) Acenaphthylene	14.11	152	4670	0.04	ng/ul#	92
10) Acenaphthene	14.45	153	665	0.01	ng/ul#	84
11) Fluorene	15.39	166	6493	0.06	ng/ul#	24
13) Pentachlorophenol	16.78	266	3611	0.01	ng/ul#	15
14) Phenanthrene	17.17	178	24195	0.00	ng/ul	96
15) Anthracene	17.26	178	6541	0.00	ng/ul#	87
17) Fluoranthene	19.35	202	3275	0.00	ng/ul	55
19) Pyrene	19.57	202	57601	0.27	ng/ul#	93
20) Benzo(a)anthracene	21.31	228	27920	0.16	ng/ul#	90
21) Chrysene	21.31	228	27920	0.14	ng/ul	93
23) Benzo(b)fluoranthene	22.91	252	29708	0.00	ng/ul	81
24) Benzo(k)fluoranthene	22.91	252	56242	0.00	ng/ul#	83
25) Benzo(a)pyrene	23.40	252	23272	0.00	ng/ul#	82
26) Indeno(1,2,3-cd)pyrene	25.70	276	525	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.78	278	1258	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.23	276	1273	0.00	ng/ul#	1

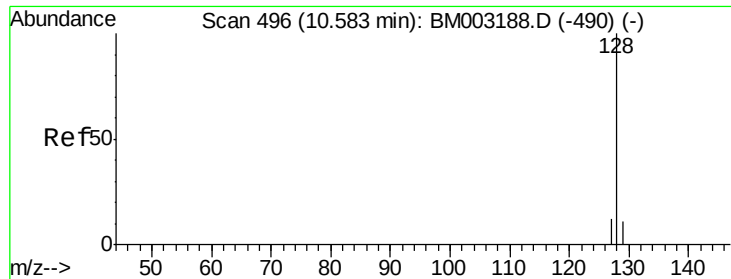
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

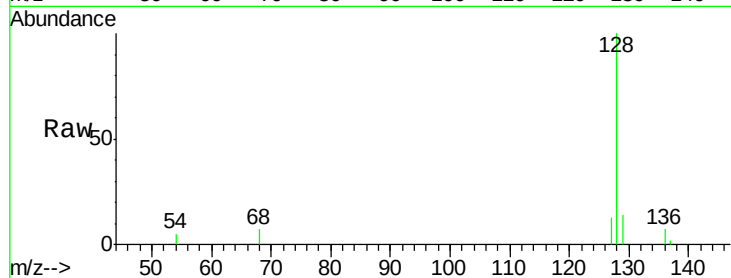
Tot Ion:128 Resp: 8632

Ion Ratio Lower Upper

128 100

129 14.0 9.0 13.6#

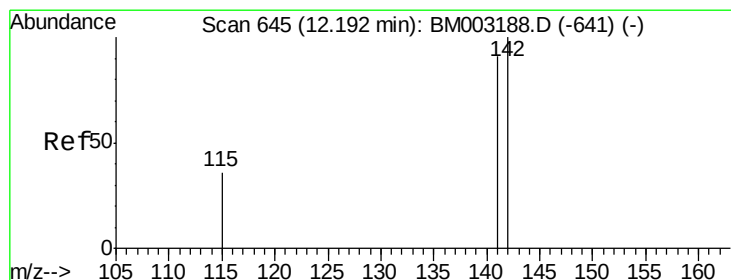
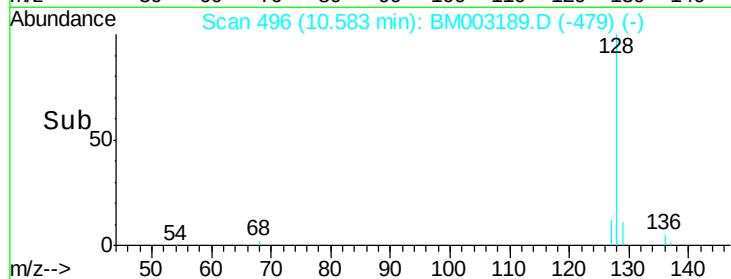
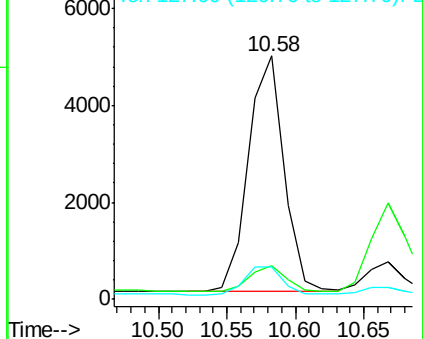
127 13.4 9.6 14.4



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: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003189.D

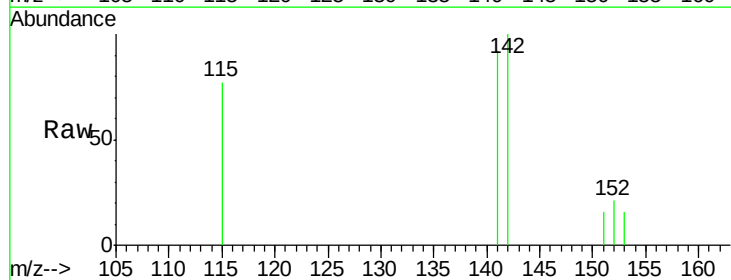
Acq: 19 Nov 2015 13:10

Tgt Ion:142 Resp: 892

Ion Ratio Lower Upper

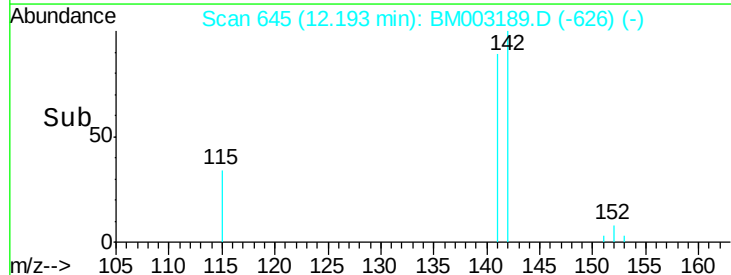
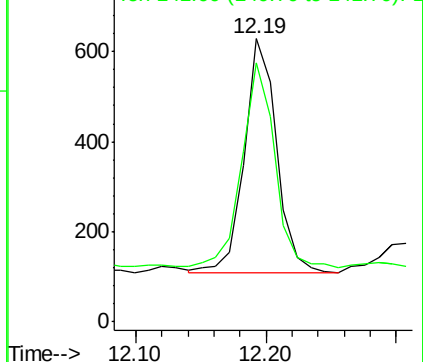
142 100

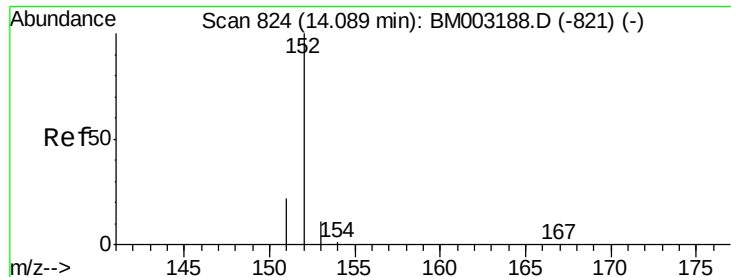
141 89.9 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.11 min Scan# 825

Delta R.T. 0.02 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

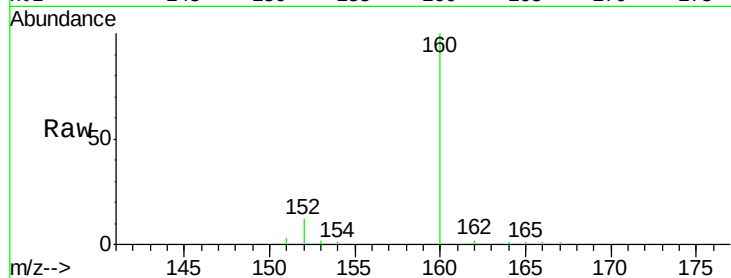
Tot Ion:152 Resp: 4670

Ion Ratio Lower Upper

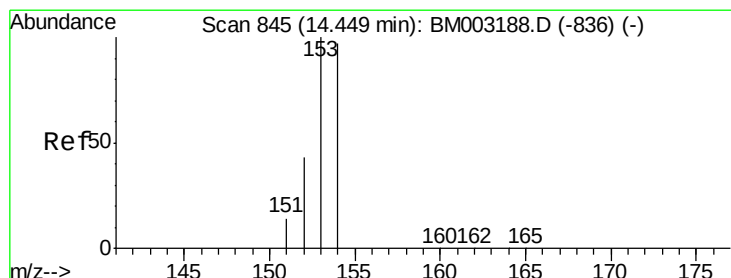
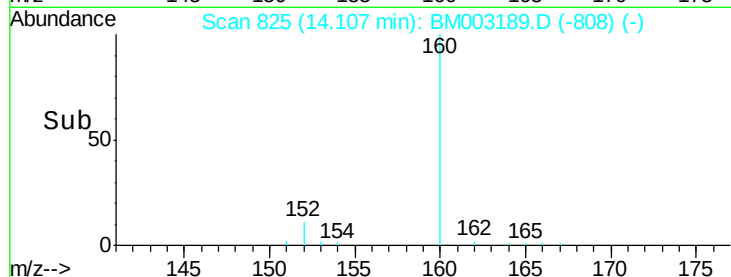
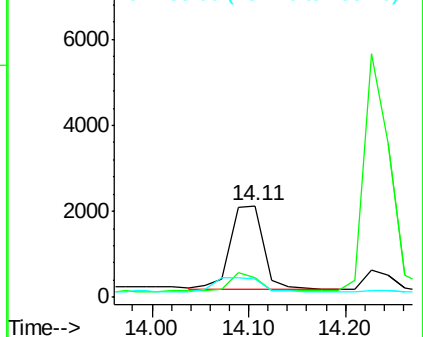
152 100

151 21.7 17.6 26.4

153 19.9 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: 0.01 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

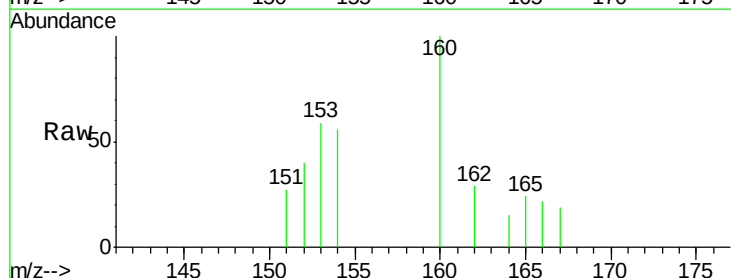
Tgt Ion:153 Resp: 665

Ion Ratio Lower Upper

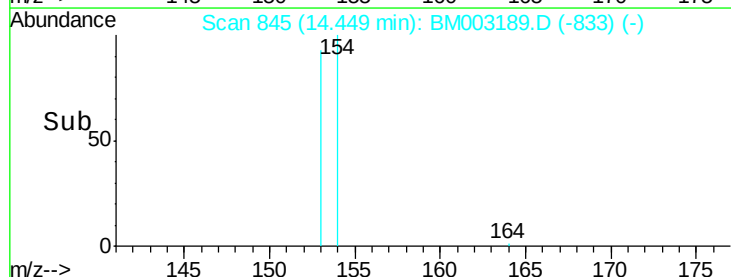
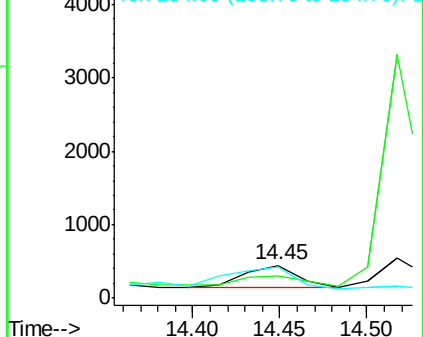
153 100

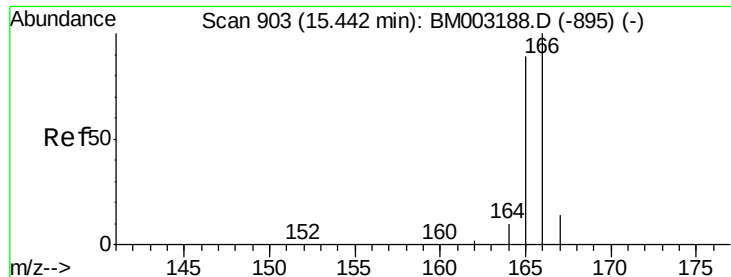
152 68.7 33.9 50.9#

154 95.1 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: 0.06 ng/ul

RT: 15.39 min Scan# 900

Delta R.T. -0.05 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

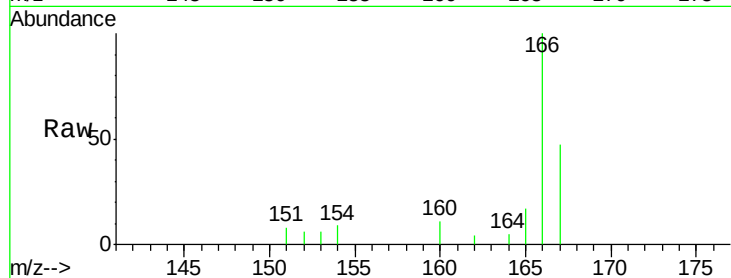
Tot Ion:166 Resp: 6493

Ion Ratio Lower Upper

166 100

165 16.7 69.6 104.4#

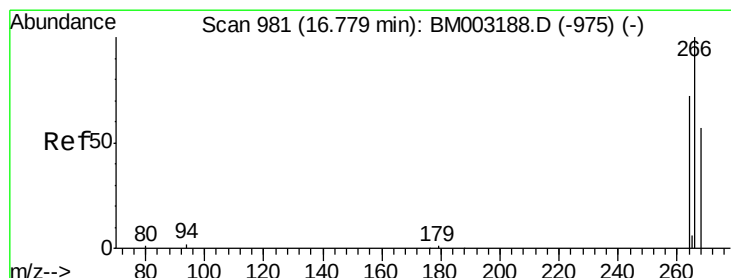
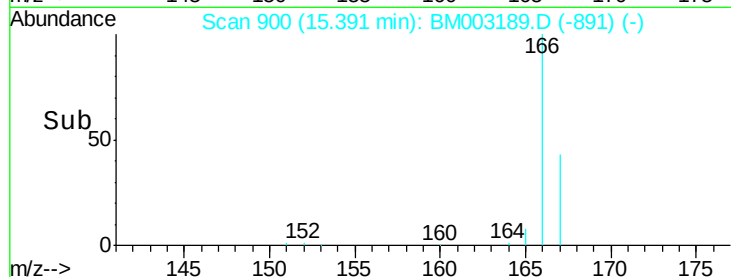
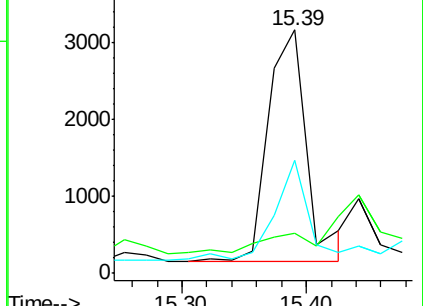
167 46.5 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

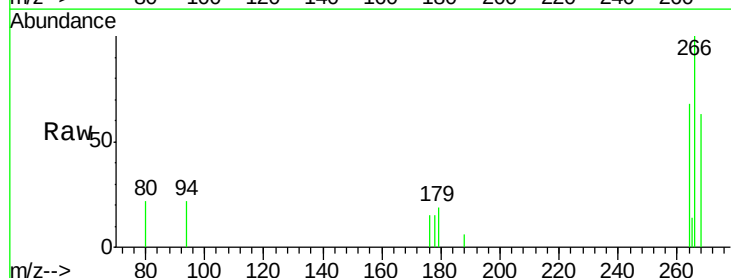
Tgt Ion:266 Resp: 3611

Ion Ratio Lower Upper

266 100

264 64.4 0.3 0.5#

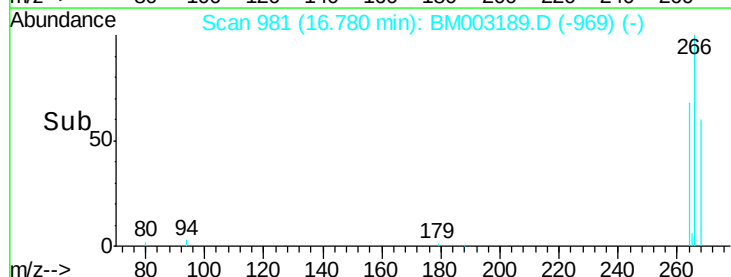
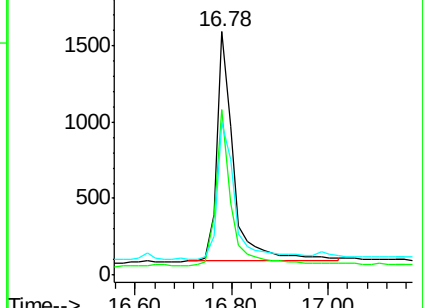
268 64.8 0.0 0.0#

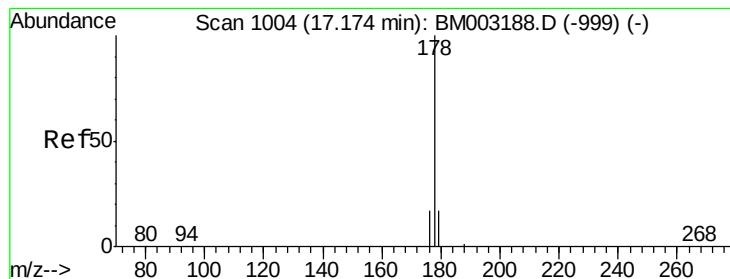


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

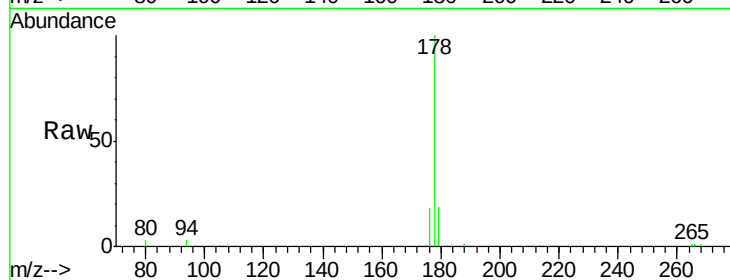
Tot Ion:178 Resp: 24195

Ion Ratio Lower Upper

178 100

176 18.2 13.0 19.4

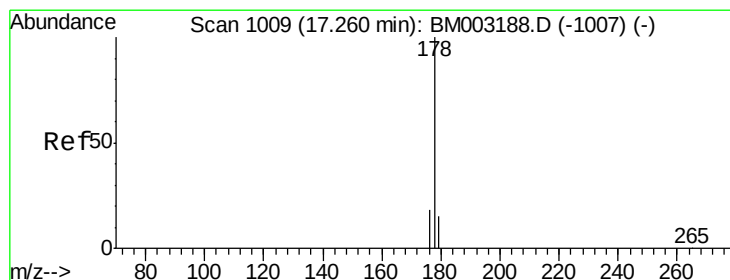
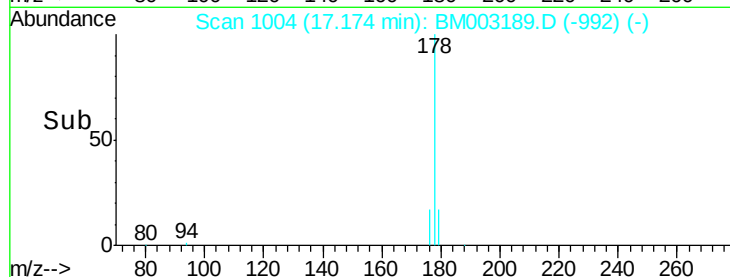
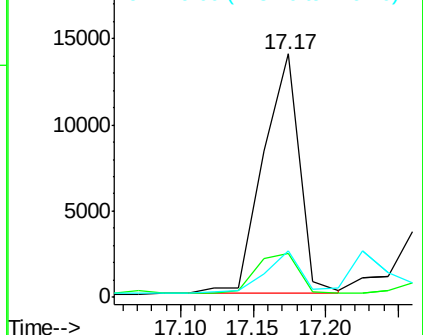
179 18.8 14.2 21.2



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: 0.00 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

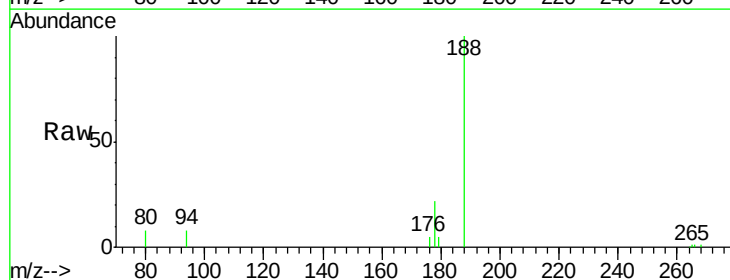
Tgt Ion:178 Resp: 6541

Ion Ratio Lower Upper

178 100

176 22.0 14.0 21.0#

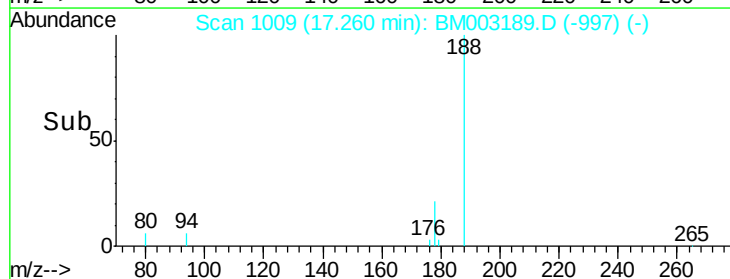
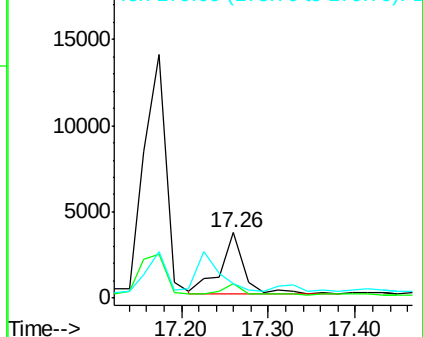
179 23.0 12.9 19.3#

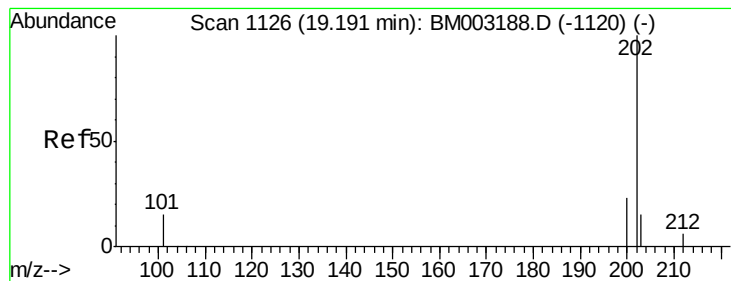


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

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ClientSampleId :

A4HT2

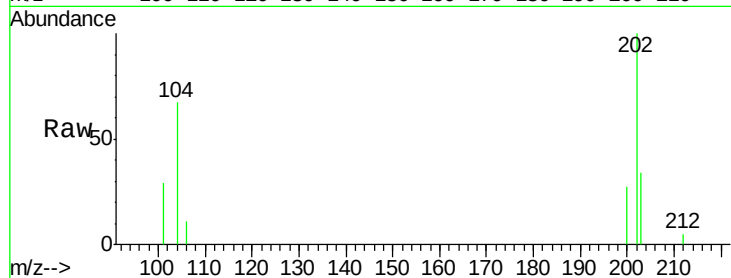
Tot Ion:202 Resp: 3275

Ion Ratio Lower Upper

202 100

101 28.9 0.0 29.6

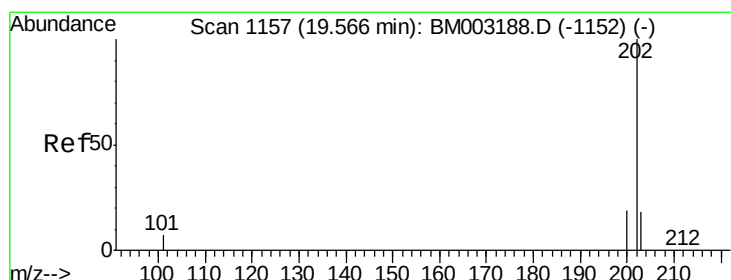
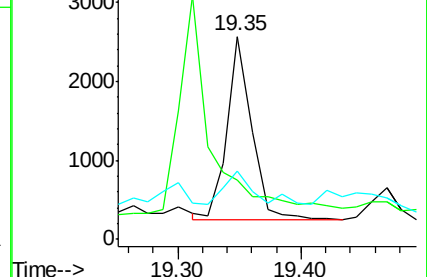
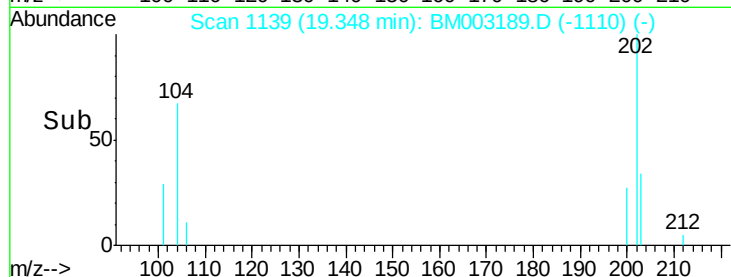
203 33.6 0.0 36.3



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: 0.27 ng/ul

RT: 19.57 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

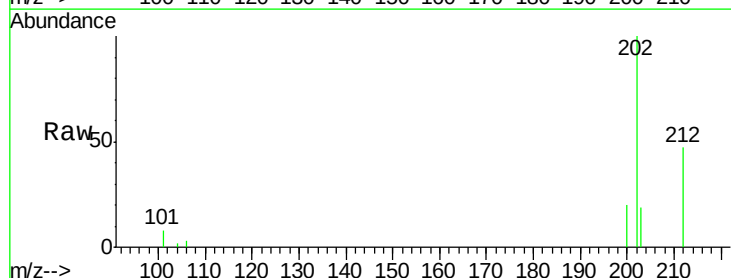
Tgt Ion:202 Resp: 57601

Ion Ratio Lower Upper

202 100

200 19.6 17.8 26.8

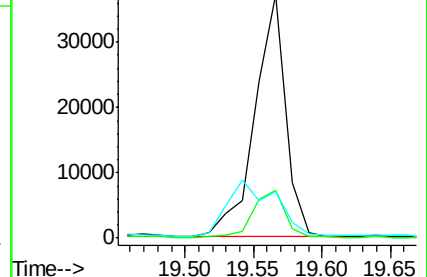
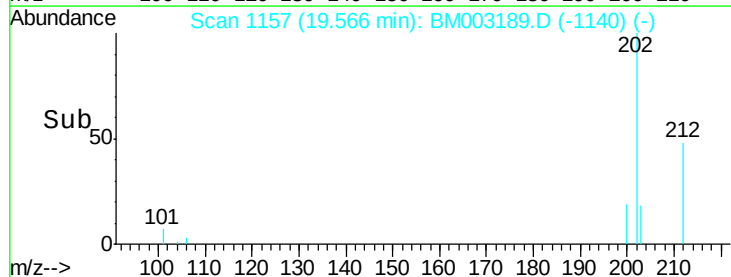
203 19.3 12.8 19.2#

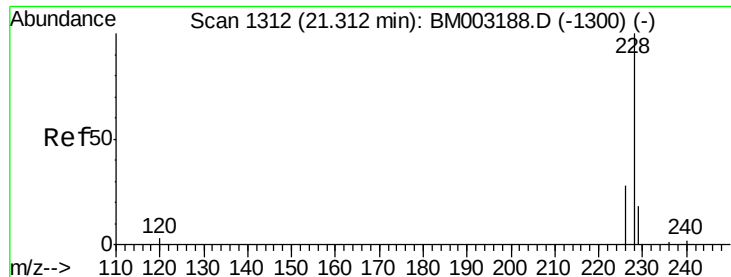


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.16 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

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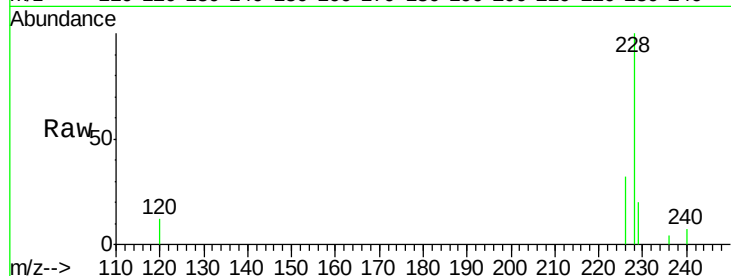
Tot Ion:228 Resp: 27920

Ion Ratio Lower Upper

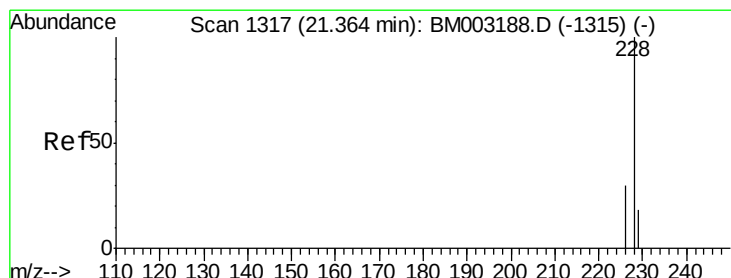
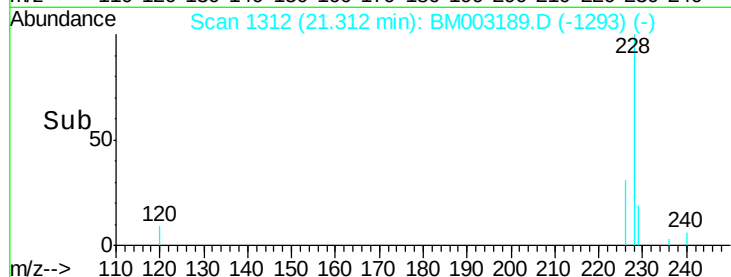
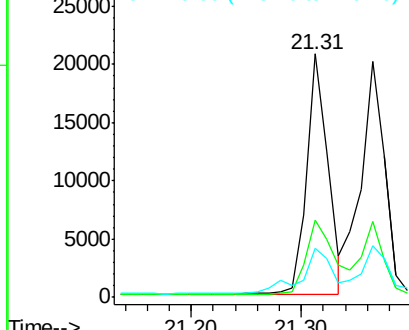
228 100

226 31.7 18.8 28.2#

229 20.2 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



#21

Chrysene

Concen: 0.14 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

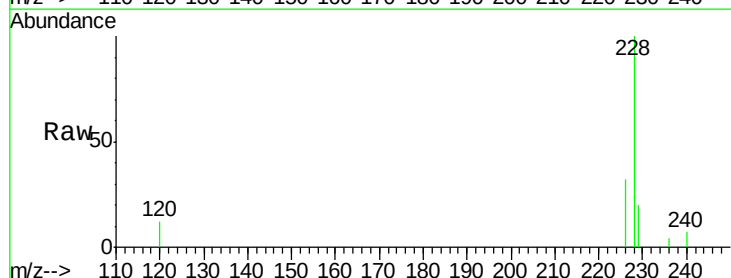
Tgt Ion:228 Resp: 27920

Ion Ratio Lower Upper

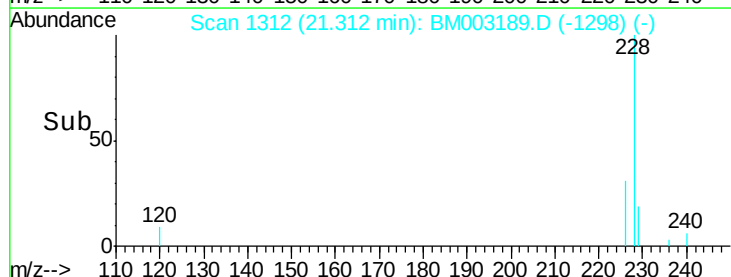
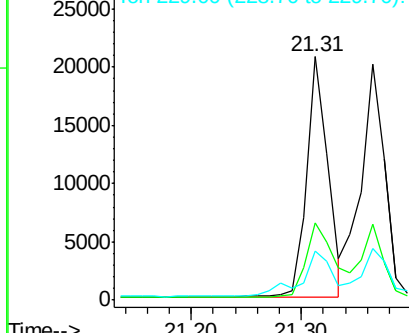
228 100

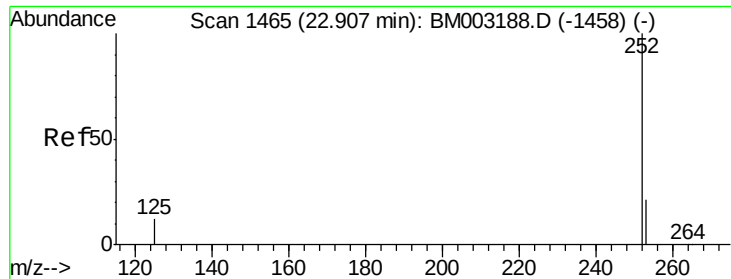
226 31.7 21.2 31.8

229 20.2 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: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

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A4HT2

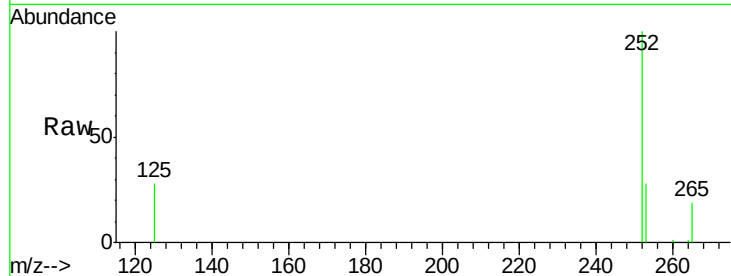
Tot Ion:252 Resp: 29708

Ion Ratio Lower Upper

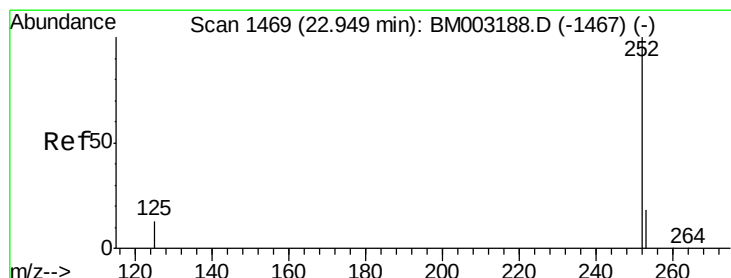
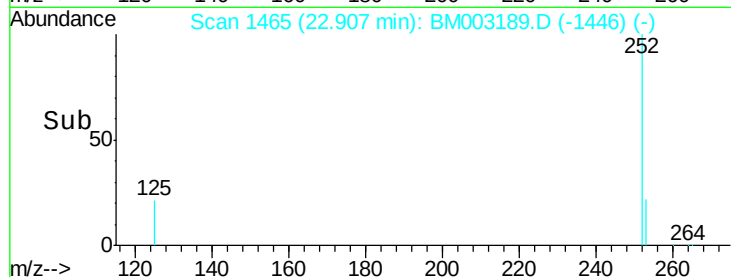
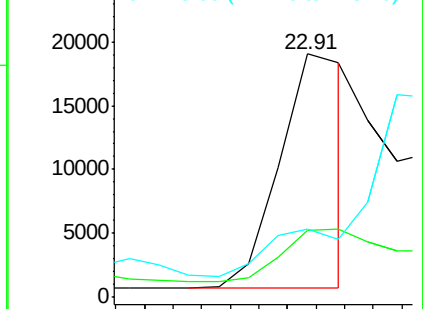
252 100

253 27.6 0.0 45.4

125 28.3 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: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

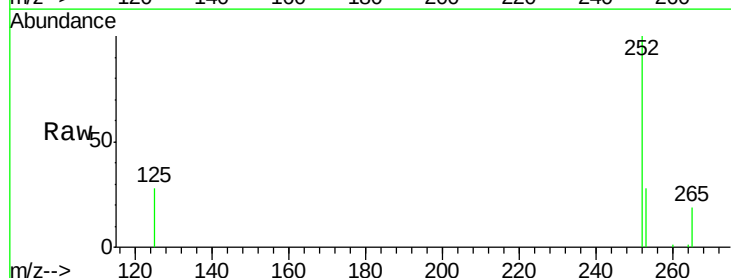
Tgt Ion:252 Resp: 56242

Ion Ratio Lower Upper

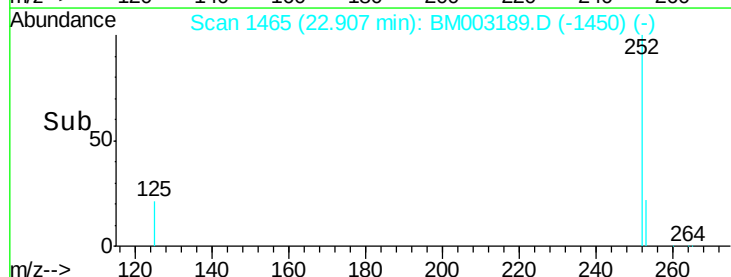
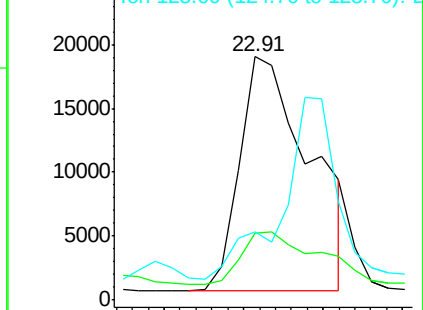
252 100

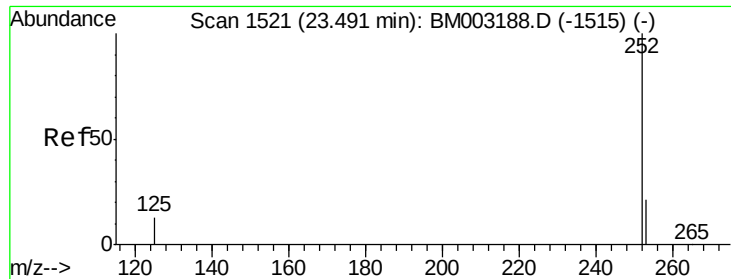
253 27.6 19.8 29.8

125 28.3 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: 23.40 min Scan# 1512

Delta R.T. -0.09 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

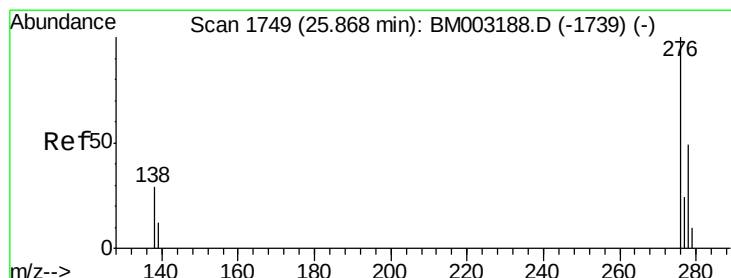
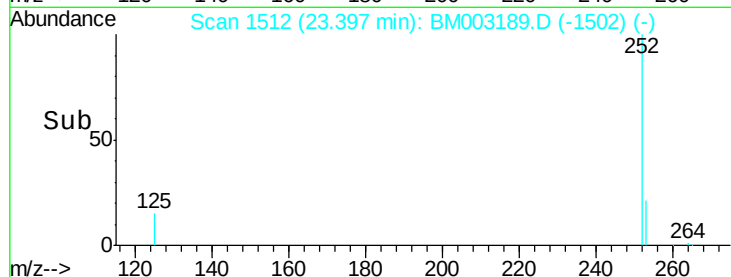
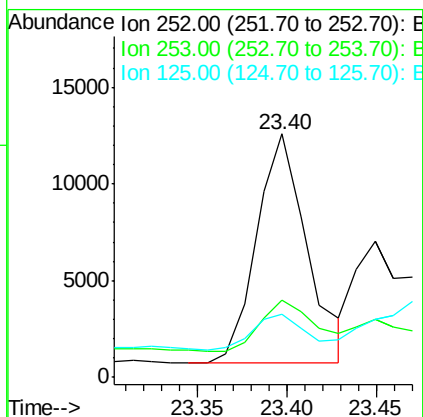
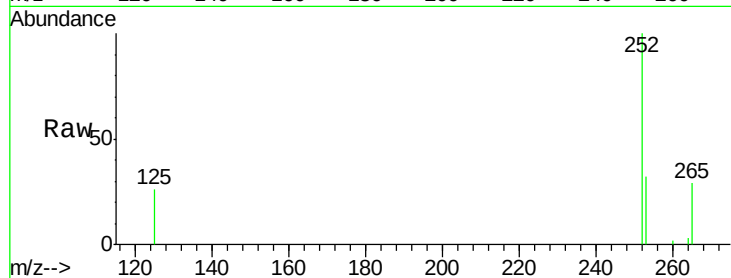
Tot Ion:252 Resp: 23272

Ion Ratio Lower Upper

252 100

253 31.5 19.4 29.2#

125 25.8 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/uL

RT: 25.70 min Scan# 1733

Delta R.T. -0.17 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

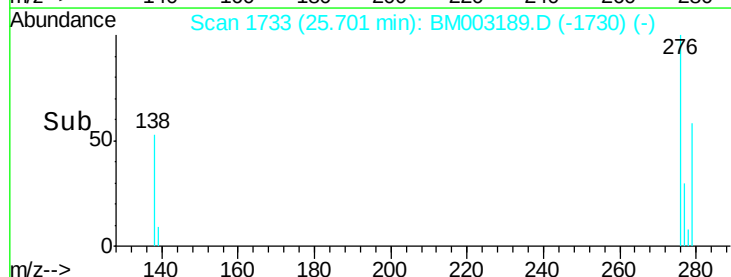
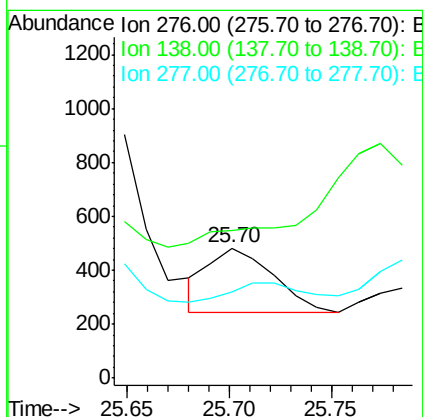
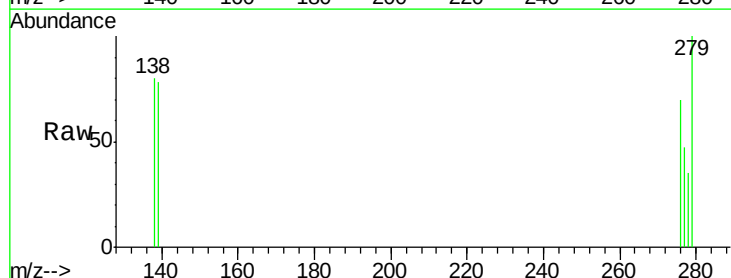
Tgt Ion:276 Resp: 525

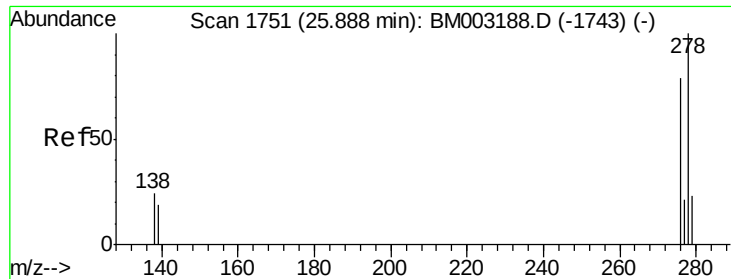
Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

277 0.0 0.0 0.0





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.78 min Scan# 1741

Delta R.T. -0.10 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

Instrument :

BNA_M

ClientSampleId :

A4HT2

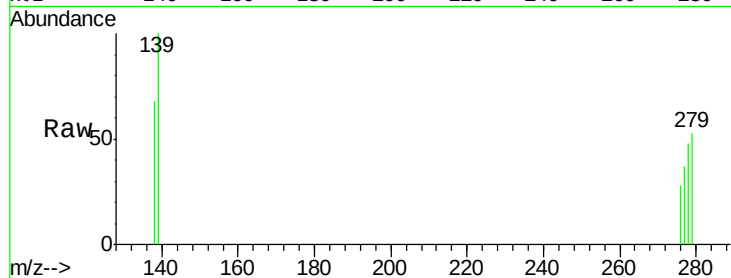
Tot Ion:278 Resp: 1258

Ion Ratio Lower Upper

278 100

139 207.3 16.4 24.6#

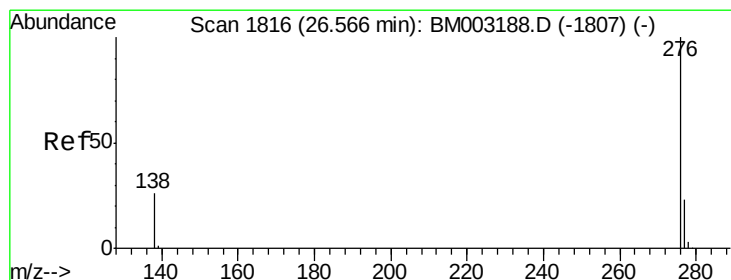
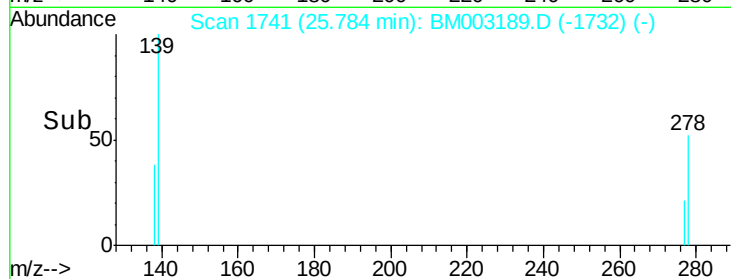
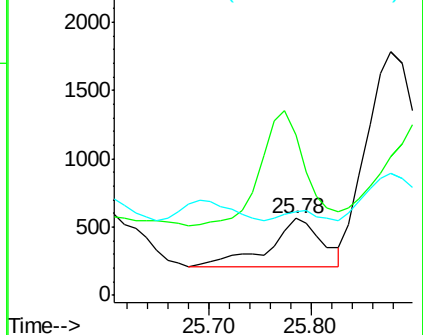
279 109.0 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.23 min Scan# 1784

Delta R.T. -0.33 min

Lab File: BM003189.D

Acq: 19 Nov 2015 13:10

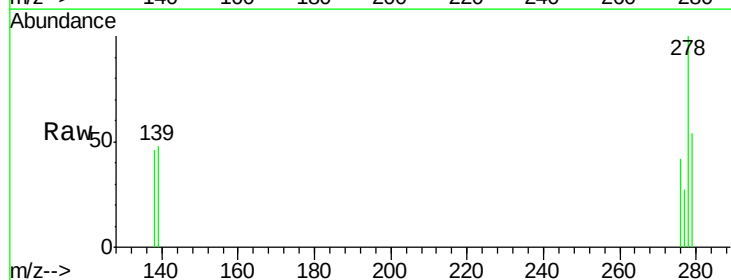
Tgt Ion:276 Resp: 1273

Ion Ratio Lower Upper

276 100

277 66.2 18.9 28.3#

138 109.6 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

