

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003191.D
 Acq On : 19 Nov 2015 15:15
 Operator : UM/IZ
 Sample : G4323-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT4

Quant Time: Nov 20 02:42:43 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	14068	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	54178	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29276	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4182319	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	59368	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	4125344	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	84118	5.60	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	23141	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	47103	0.00	ng/ul	0.00

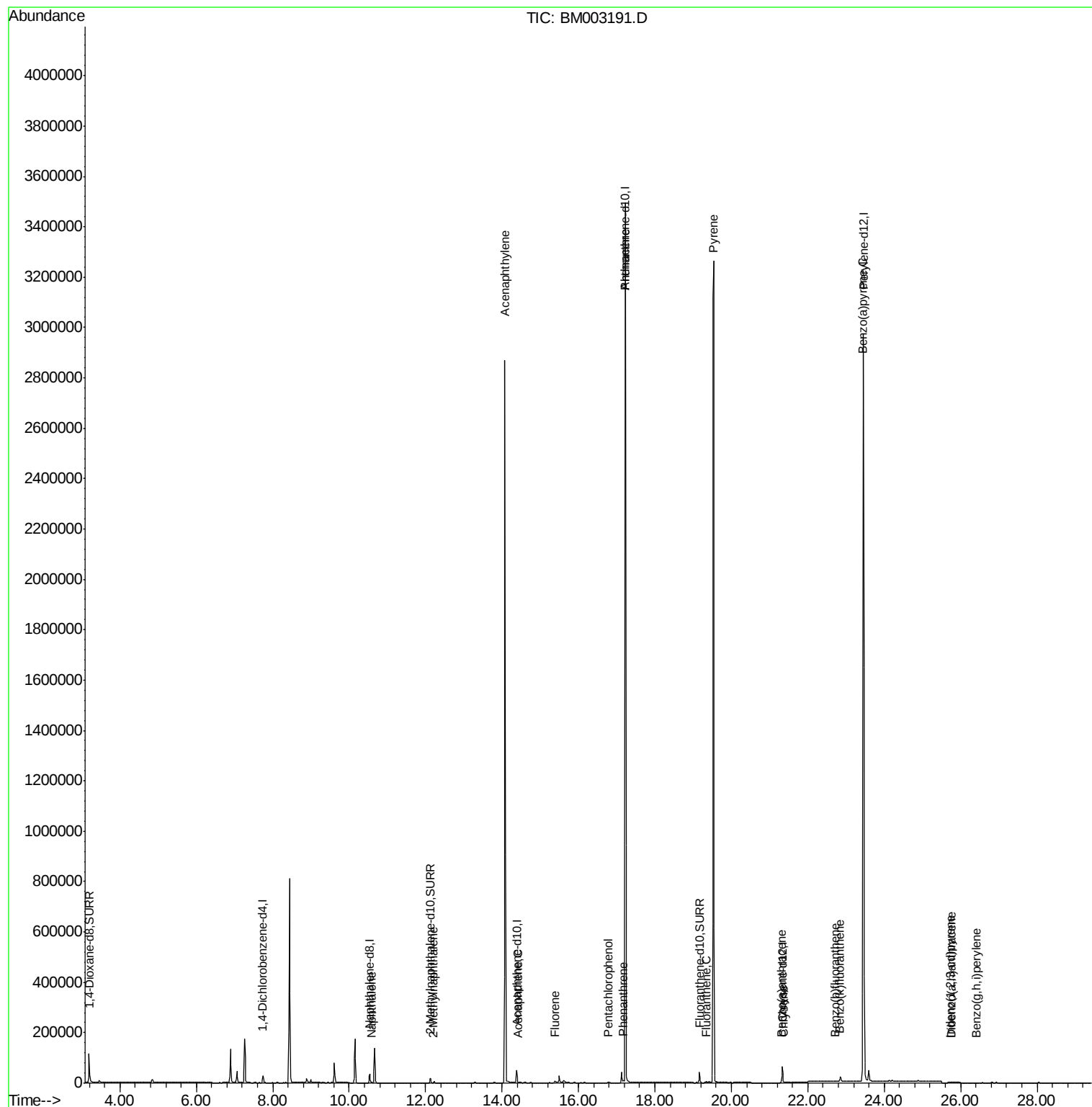
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	4122	0.03	ng/ul#	88
7) 2-Methylnaphthalene	12.19	142	592	0.01	ng/ul#	100
9) Acenaphthylene	14.07	152	742	0.01	ng/ul#	1
10) Acenaphthene	14.41	153	499	0.00	ng/ul#	1
11) Fluorene	15.39	166	8866	0.08	ng/ul#	19
13) Pentachlorophenol	16.78	266	2853	0.00	ng/ul#	16
14) Phenanthrene	17.17	178	10207	0.00	ng/ul	93
15) Anthracene	17.23	178	1984	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	742	0.00	ng/ul#	1
19) Pyrene	19.53	202	9421	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	1448	0.01	ng/ul#	34
21) Chrysene	21.36	228	1489	0.01	ng/ul#	55
23) Benzo(b)fluoranthene	22.71	252	74	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	104	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.45	252	16997	0.00	ng/ul#	64
26) Indeno(1,2,3-cd)pyrene	25.72	276	17	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.76	278	30	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.41	276	53	0.00	ng/ul#	1

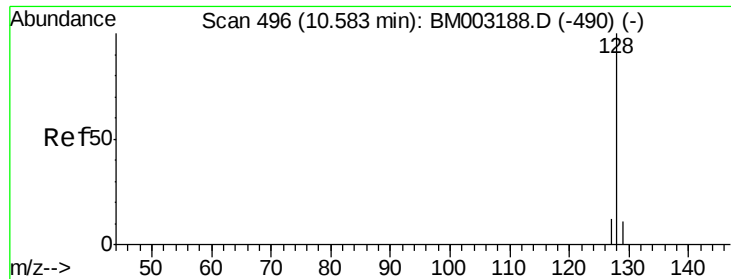
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

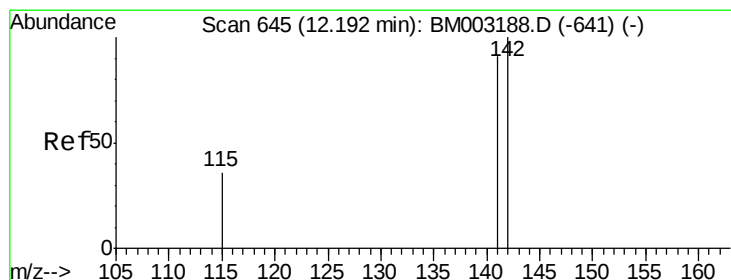
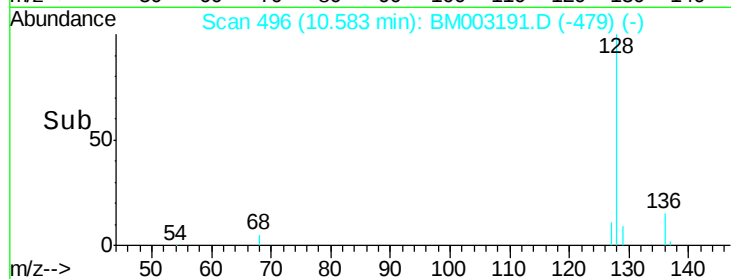
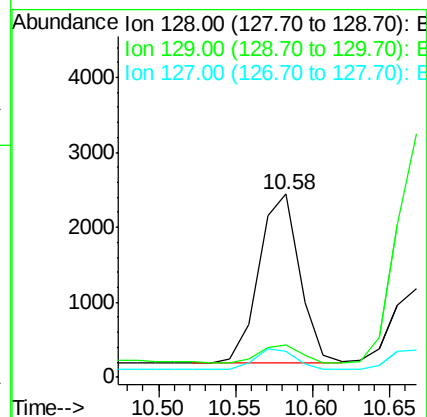
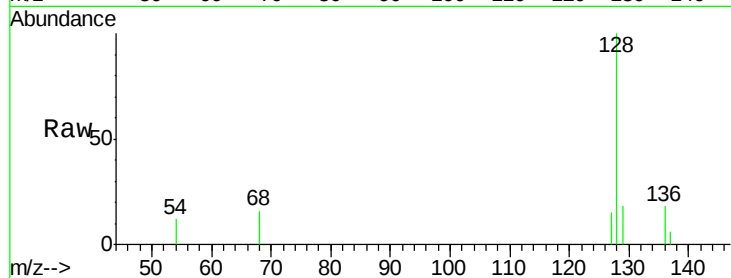
Tot Ion:128 Resp: 4122

Ion Ratio Lower Upper

128 100

129 17.8 9.0 13.6#

127 14.5 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003191.D

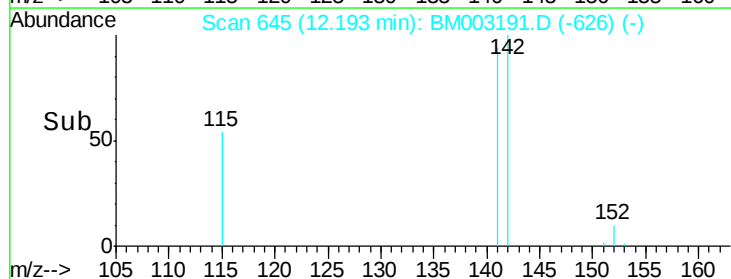
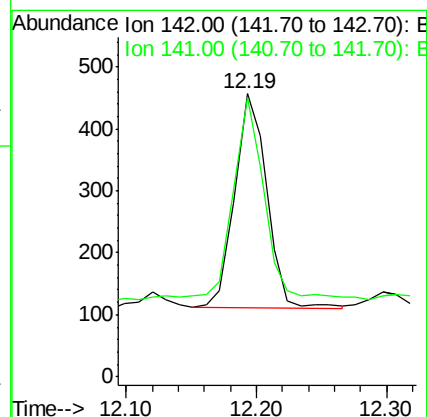
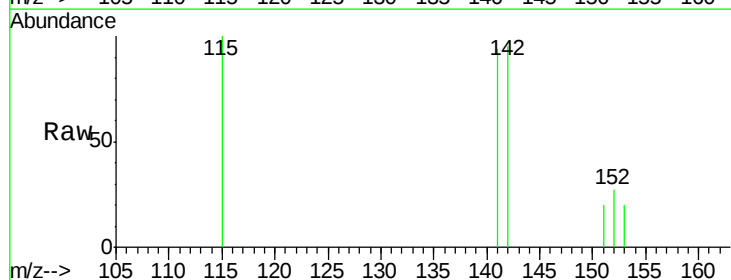
Acq: 19 Nov 2015 15:15

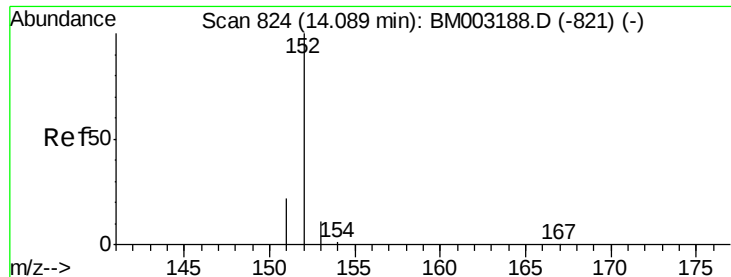
Tgt Ion:142 Resp: 592

Ion Ratio Lower Upper

142 100

141 92.6 0.0 0.0#





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

Tot Ion:152 Resp: 742

Ion Ratio Lower Upper

152 100

151 45.0 17.6 26.4#

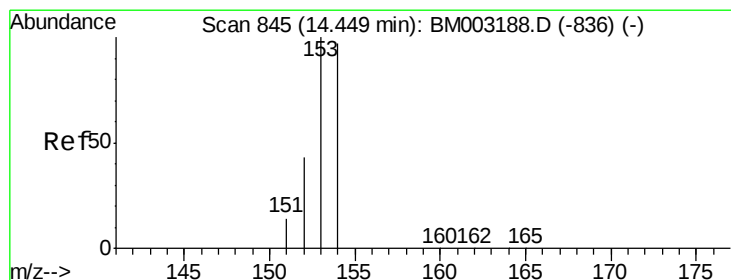
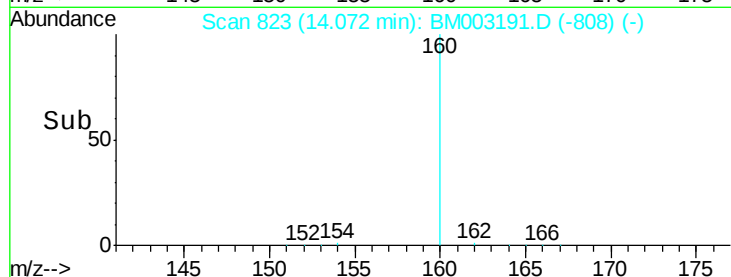
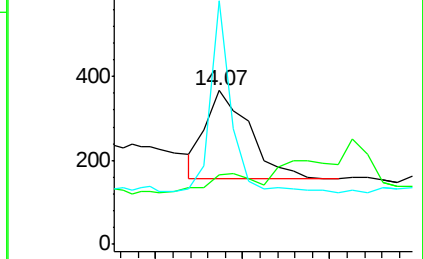
153 158.0 9.7 14.5#



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: 14.41 min Scan# 843

Delta R.T. -0.03 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

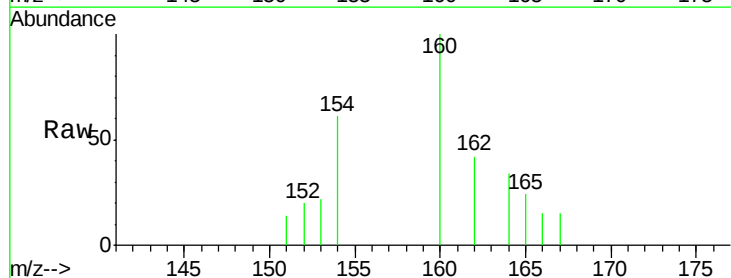
Tgt Ion:153 Resp: 499

Ion Ratio Lower Upper

153 100

152 90.4 33.9 50.9#

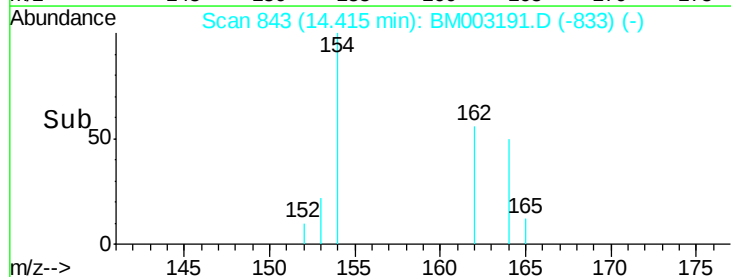
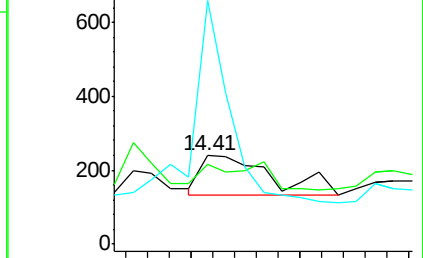
154 274.6 80.6 121.0#

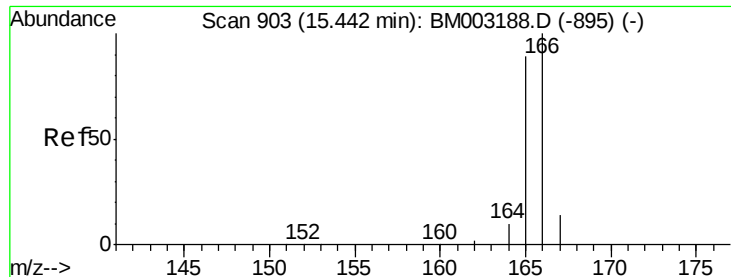


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

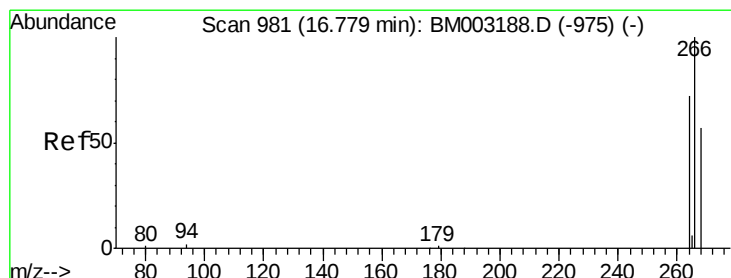
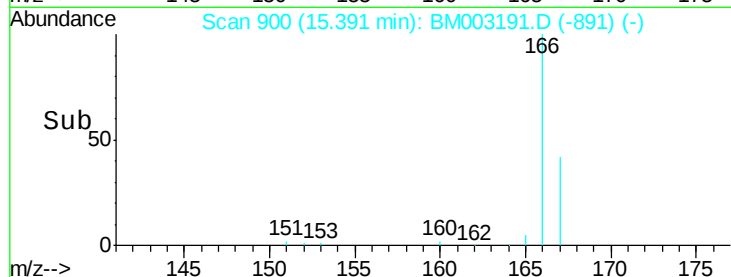
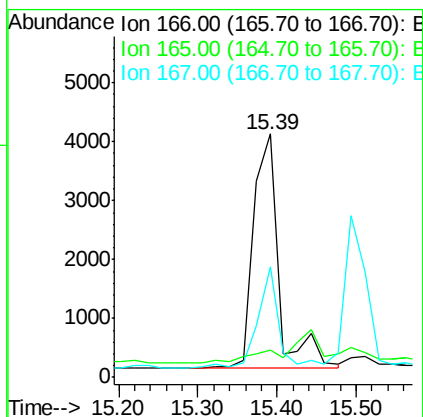
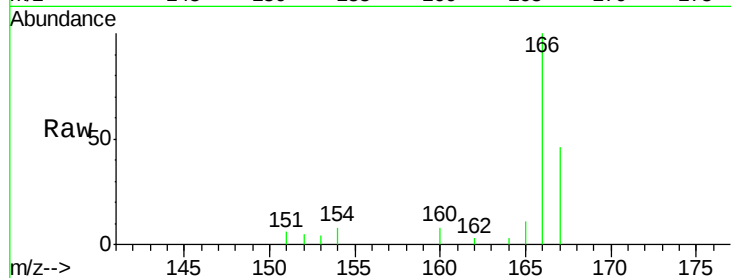




#11
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.39 min Scan# 900
 Delta R.T. -0.05 min
 Lab File: BM003191.D
 Acq: 19 Nov 2015 15:15

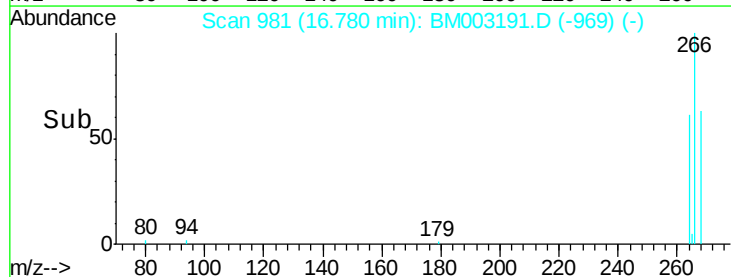
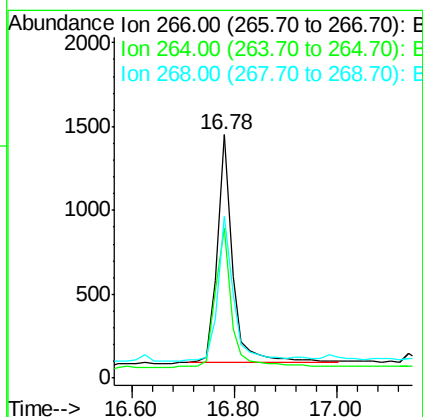
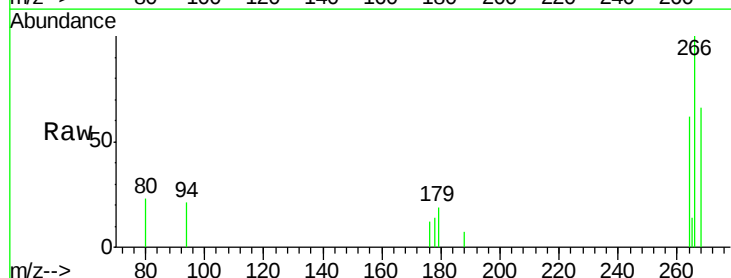
Instrument :
 BNA_M
 ClientSampled :
 A4HT4

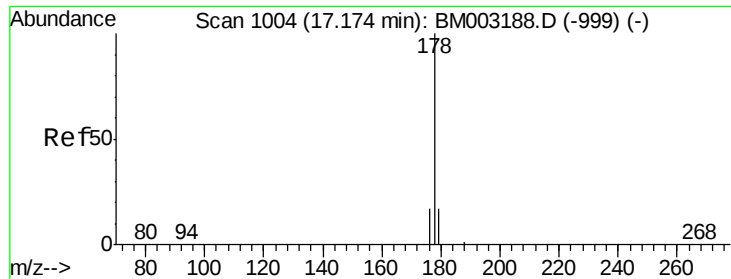
Tot Ion:166 Resp: 8866
 Ion Ratio Lower Upper
 166 100
 165 11.4 69.6 104.4#
 167 45.5 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003191.D
 Acq: 19 Nov 2015 15:15

Tgt Ion:266 Resp: 2853
 Ion Ratio Lower Upper
 266 100
 264 63.5 0.3 0.5#
 268 64.8 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

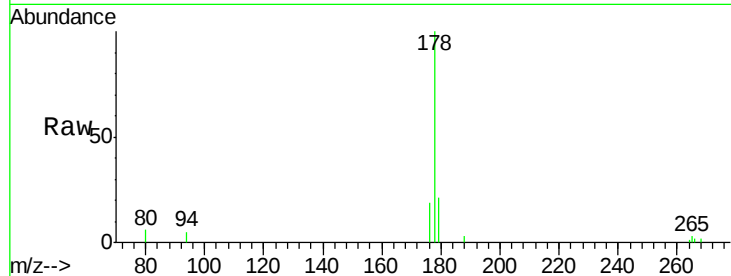
Tot Ion:178 Resp: 10207

Ion Ratio Lower Upper

178 100

176 19.3 13.0 19.4

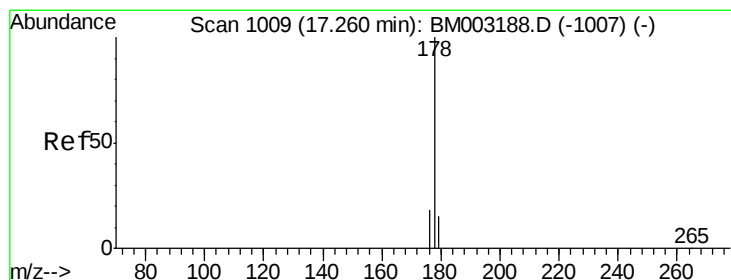
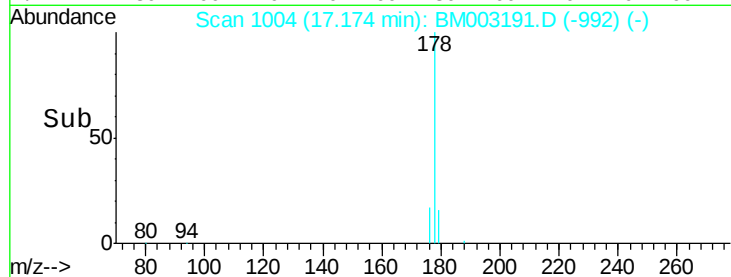
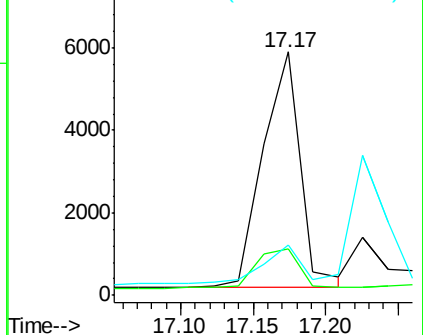
179 20.8 14.2 21.2



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: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

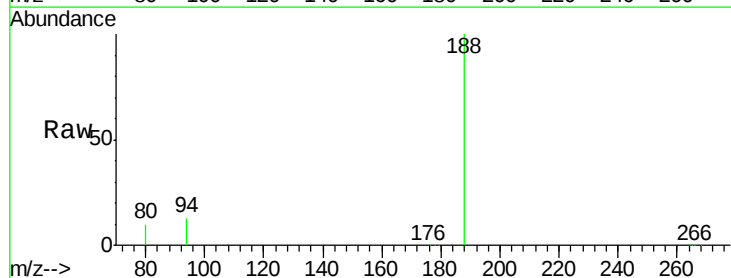
Tgt Ion:178 Resp: 1984

Ion Ratio Lower Upper

178 100

176 14.3 14.0 21.0

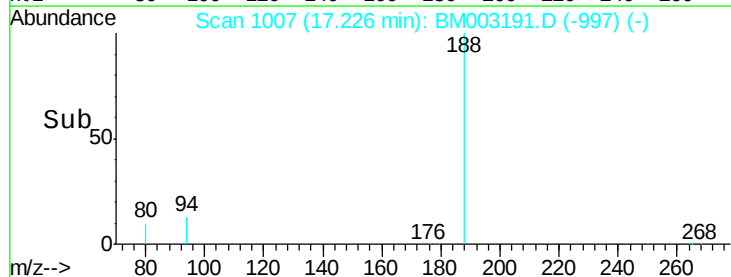
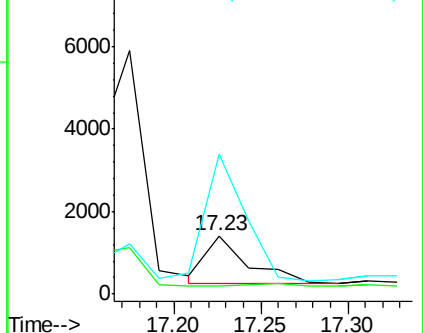
179 238.8 12.9 19.3#

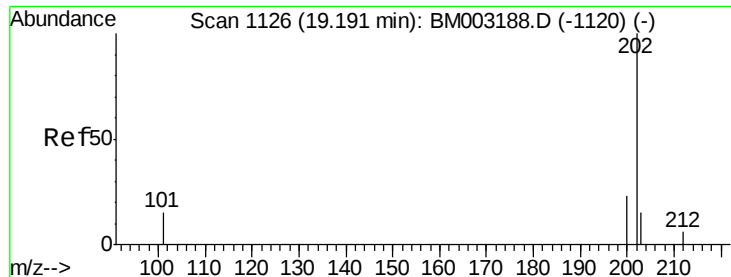


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

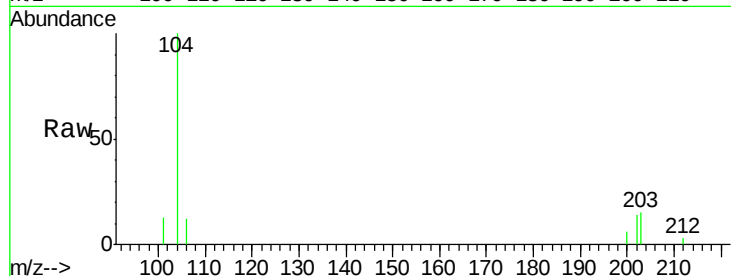
Tot Ion:202 Resp: 742

Ion Ratio Lower Upper

202 100

101 97.6 0.0 29.6#

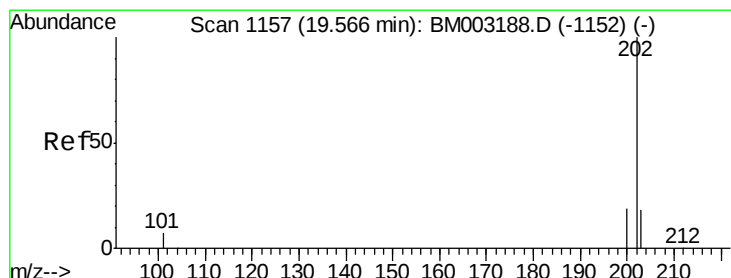
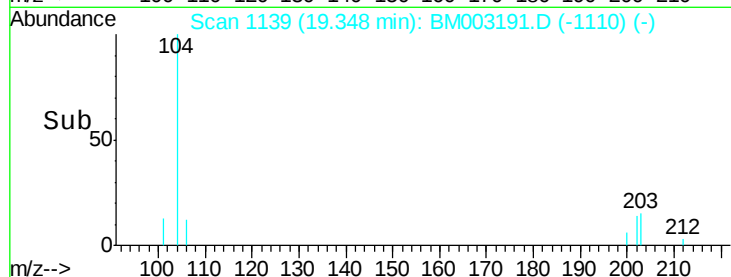
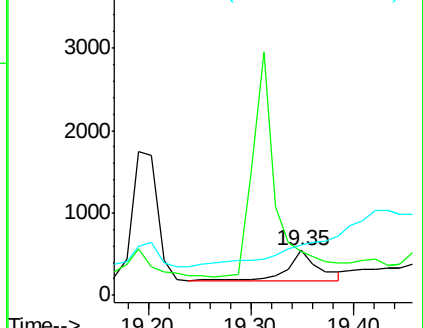
203 111.7 0.0 36.3#



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: 0.05 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.04 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

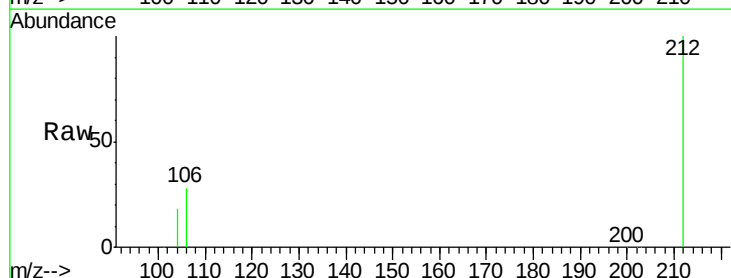
Tgt Ion:202 Resp: 9421

Ion Ratio Lower Upper

202 100

200 7.4 17.8 26.8#

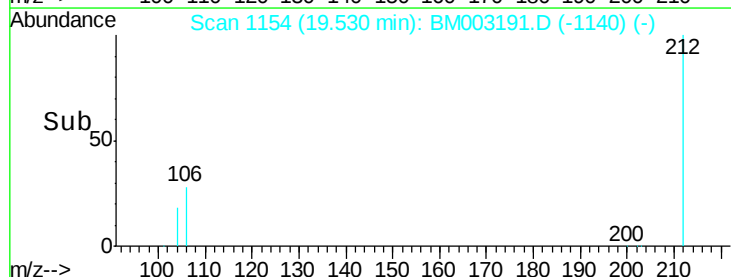
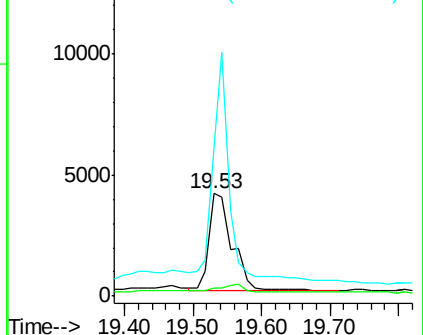
203 145.0 12.8 19.2#

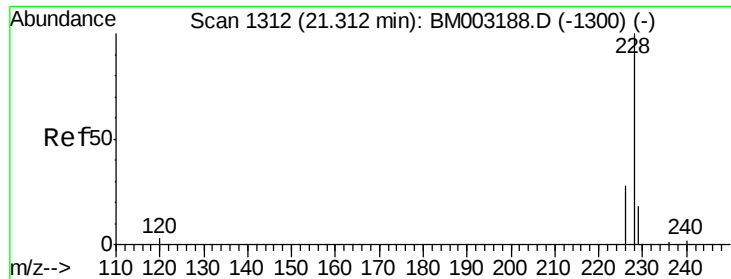


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

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ClientSampleId :

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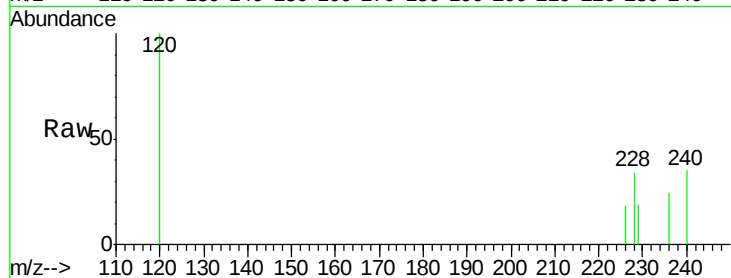
Tot Ion:228 Resp: 1448

Ion Ratio Lower Upper

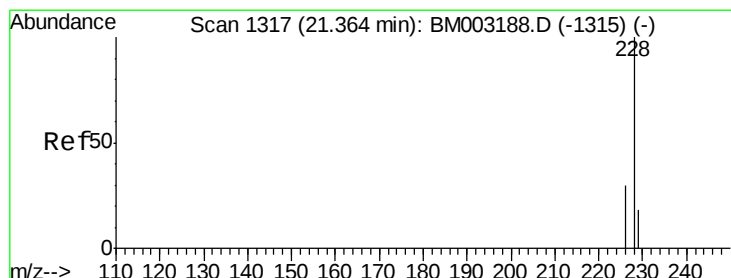
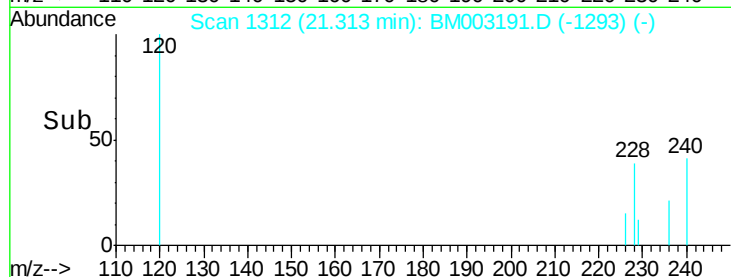
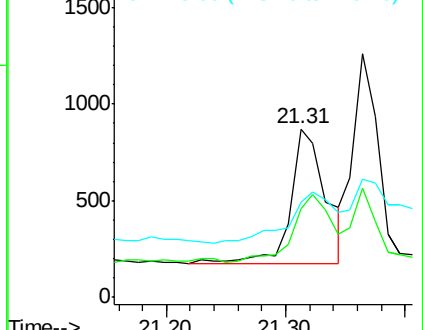
228 100

226 52.5 18.8 28.2#

229 56.4 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: 0.01 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

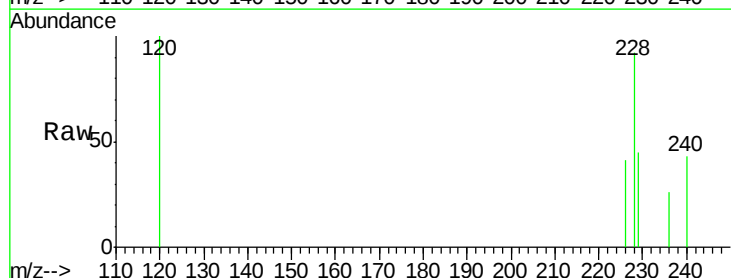
Tgt Ion:228 Resp: 1489

Ion Ratio Lower Upper

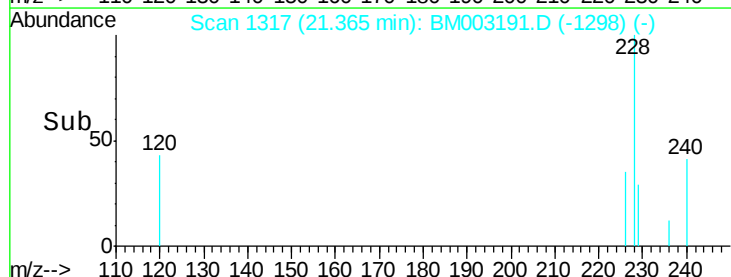
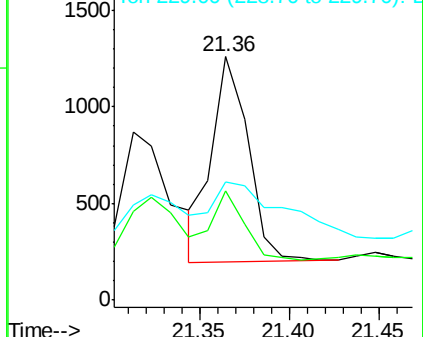
228 100

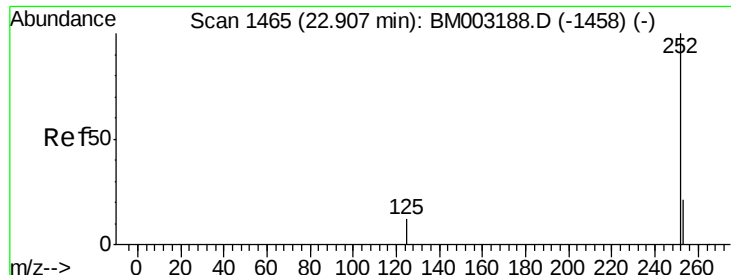
226 44.8 21.2 31.8#

229 48.4 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: 22.71 min Scan# 1446

Delta R.T. -0.20 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

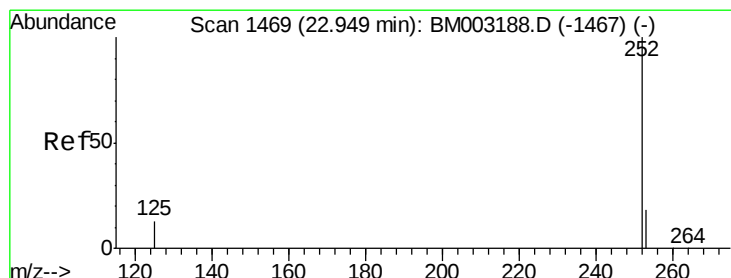
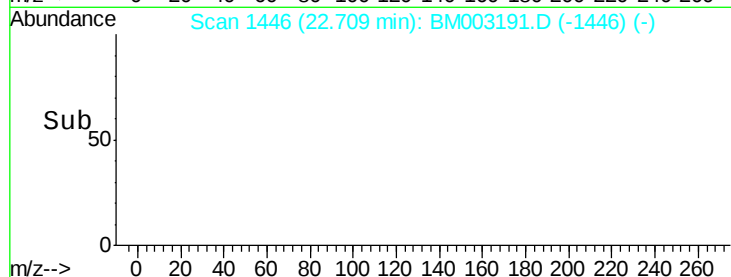
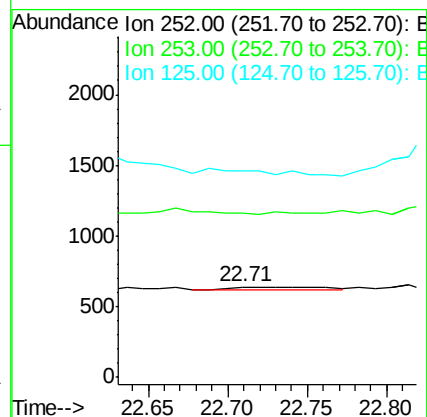
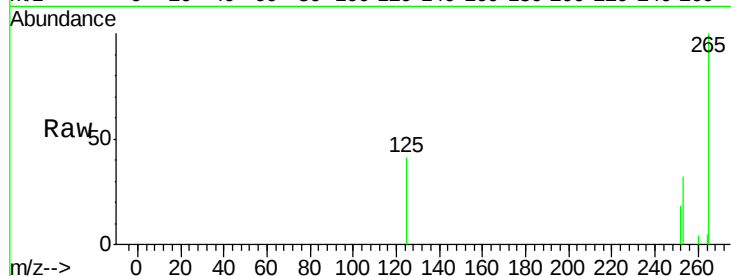
Tot Ion:252 Resp: 74

Ion Ratio Lower Upper

252 100

253 181.3 0.0 45.4#

125 227.6 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.84 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

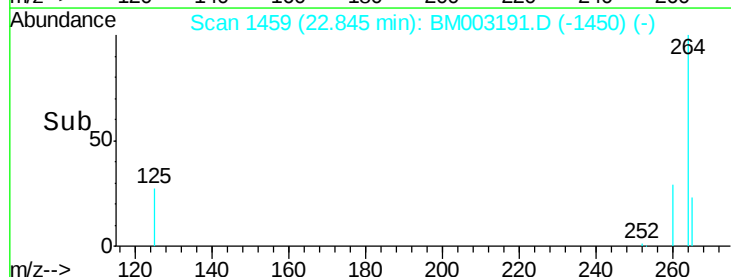
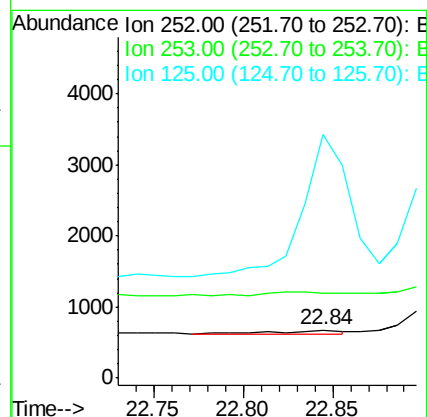
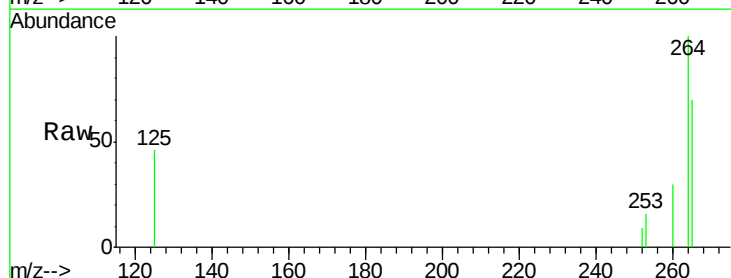
Tgt Ion:252 Resp: 104

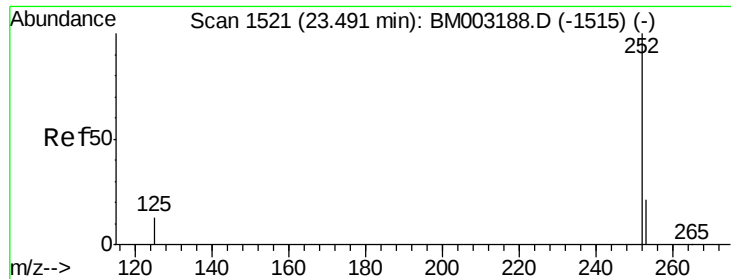
Ion Ratio Lower Upper

252 100

253 176.9 19.8 29.8#

125 506.8 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.45 min Scan# 1517

Delta R.T. -0.04 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

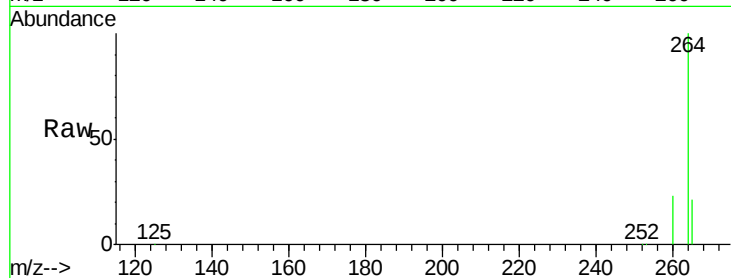
Tot Ion:252 Resp: 16997

Ion Ratio Lower Upper

252 100

253 36.9 19.4 29.2#

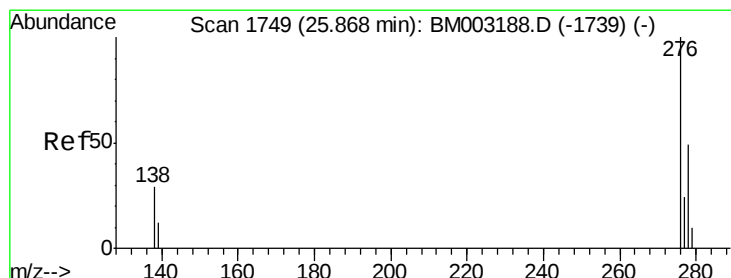
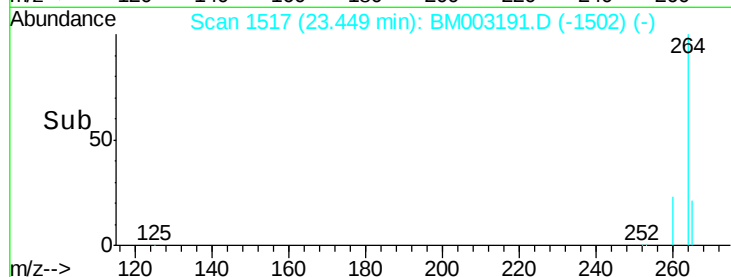
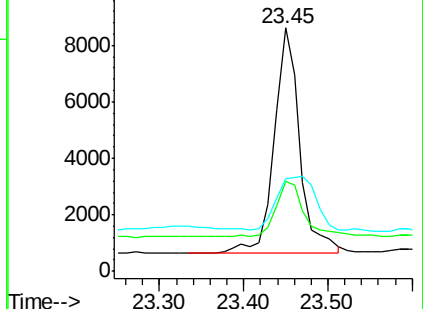
125 38.0 12.7 19.1#



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/u1

RT: 25.72 min Scan# 1735

Delta R.T. -0.15 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

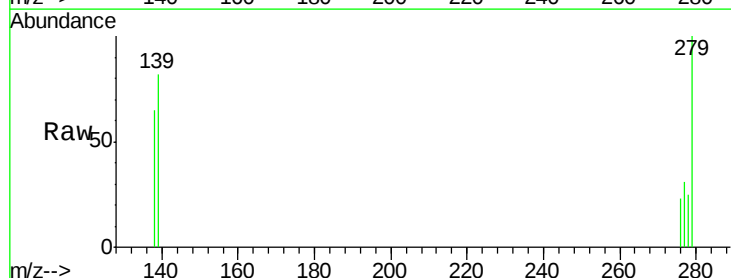
Tgt Ion:276 Resp: 17

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

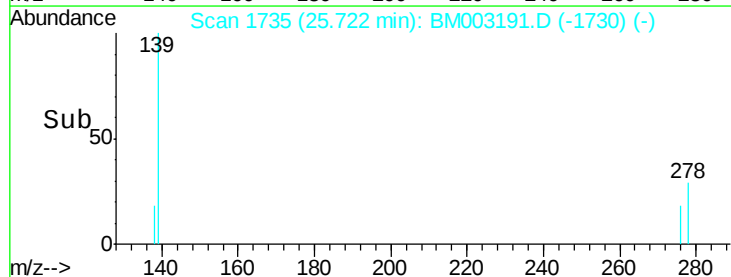
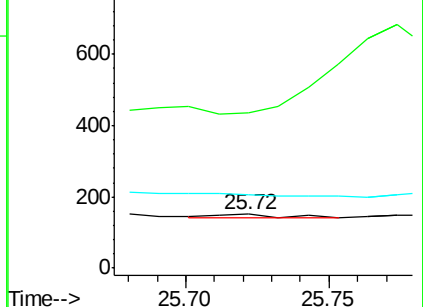
277 0.0 0.0 0.0

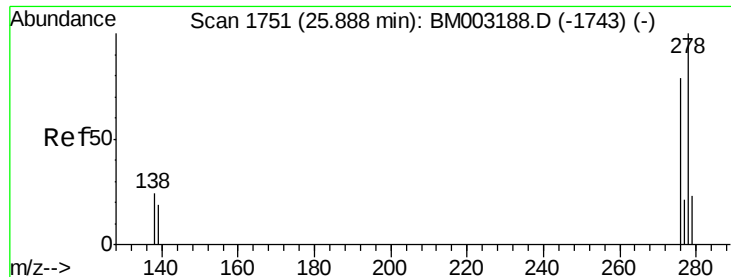


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.76 min Scan# 1739

Delta R.T. -0.12 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

Instrument :

BNA_M

ClientSampleId :

A4HT4

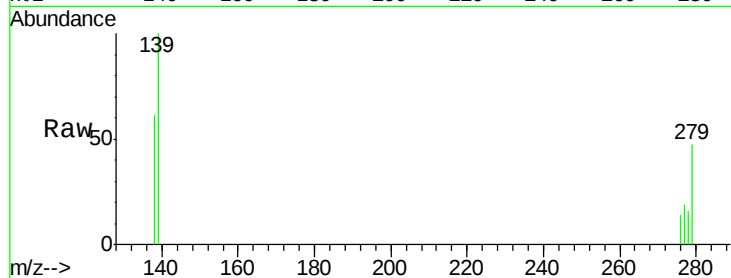
Tot Ion:278 Resp: 30

Ion Ratio Lower Upper

278 100

139 627.8 16.4 24.6#

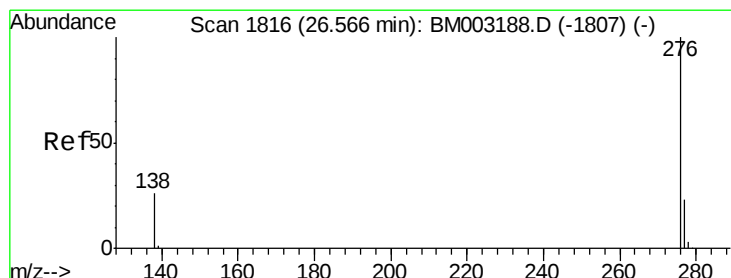
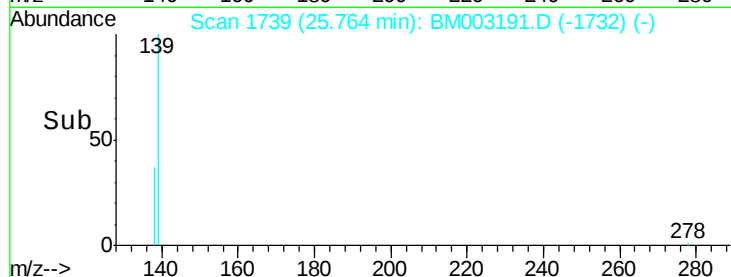
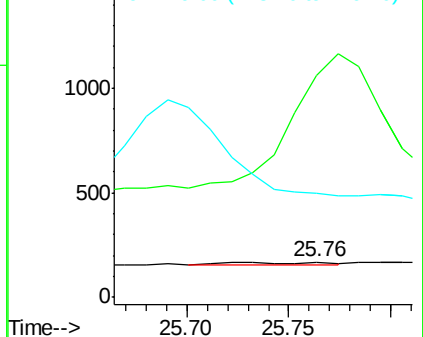
279 295.3 20.2 30.2#



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: 26.41 min Scan# 1801

Delta R.T. -0.16 min

Lab File: BM003191.D

Acq: 19 Nov 2015 15:15

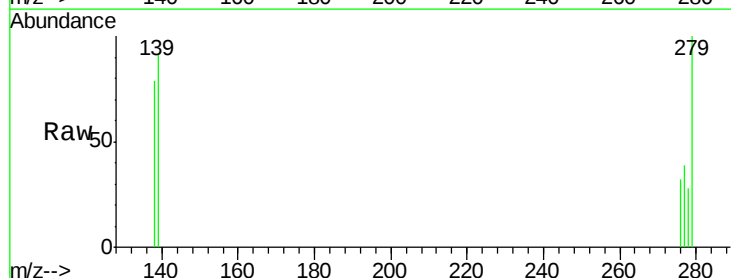
Tgt Ion:276 Resp: 53

Ion Ratio Lower Upper

276 100

277 122.8 18.9 28.3#

138 249.4 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

