

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003181.D
 Acq On : 19 Nov 2015 03:58
 Operator : UM/IZ
 Sample : G4323-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT9

Quant Time: Nov 19 07:16:25 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 : 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	31034	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	123994	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	73792	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	5760502	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	219791	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	209667	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	125124	3.77	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	35257	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	63074	0.00	ng/ul	0.00

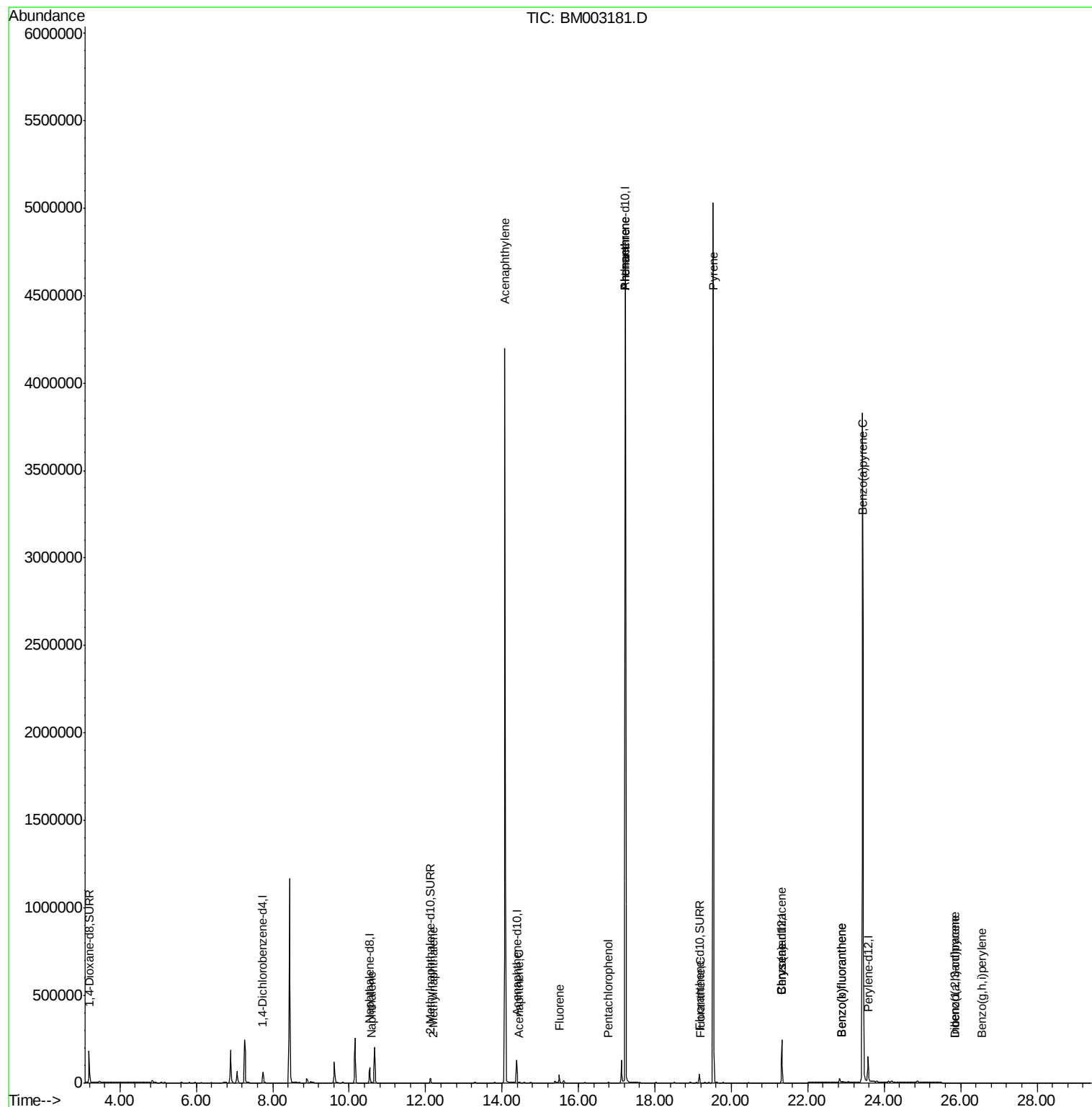
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	6946	0.02	ng/ul#	92
7) 2-Methylnaphthalene	12.19	142	773	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	468	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	368	0.00	ng/ul#	78
11) Fluorene	15.49	166	563	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1124	0.00	ng/ul#	16
14) Phenanthrene	17.23	178	2634	0.00	ng/ul#	1
15) Anthracene	17.23	178	2618	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	1759	0.00	ng/ul#	53
19) Pyrene	19.53	202	9864	0.01	ng/ul#	1
20) Benzo(a)anthracene	21.32	228	1570	0.00	ng/ul#	68
21) Chrysene	21.32	228	1570	0.00	ng/ul#	73
23) Benzo(b)fluoranthene	22.90	252	727	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	704	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.43	252	19630	0.03	ng/ul#	73
26) Indeno(1,2,3-cd)pyrene	25.85	276	333	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.86	278	588	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.55	276	280	0.00	ng/ul#	1

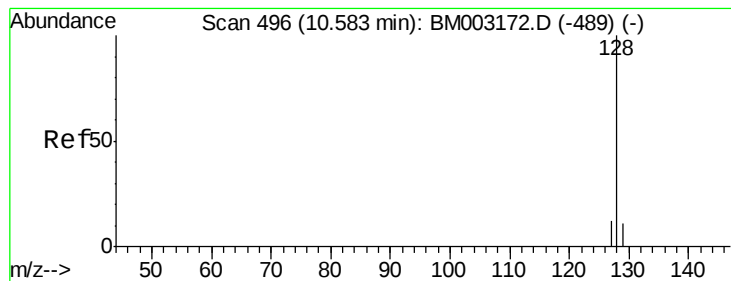
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

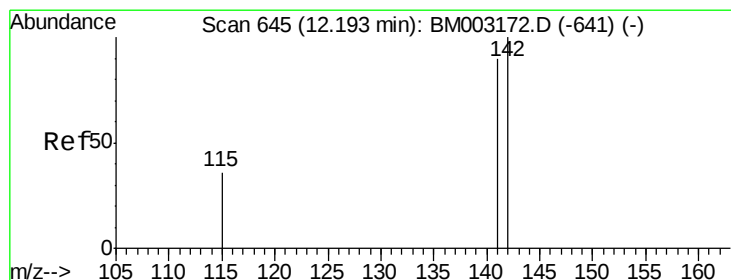
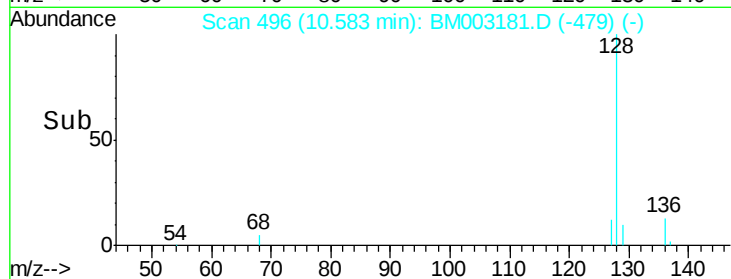
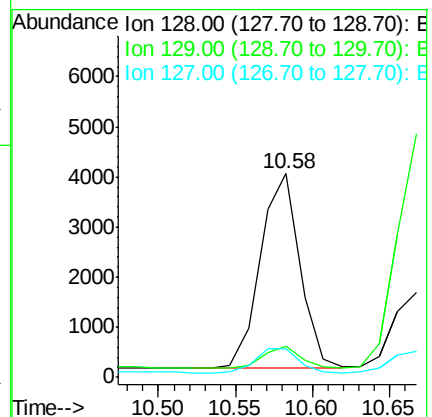
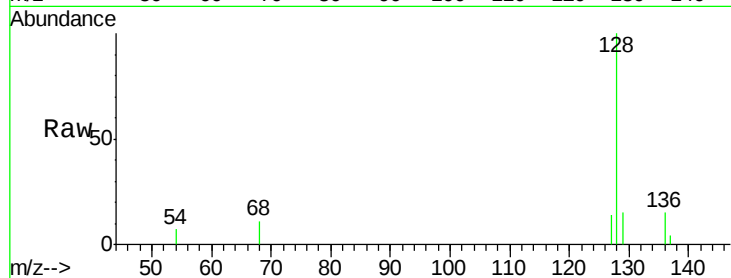
Tgt Ion:128 Resp: 6946

Ion Ratio Lower Upper

128 100

129 15.3 9.0 13.6#

127 14.2 9.6 14.4



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003181.D

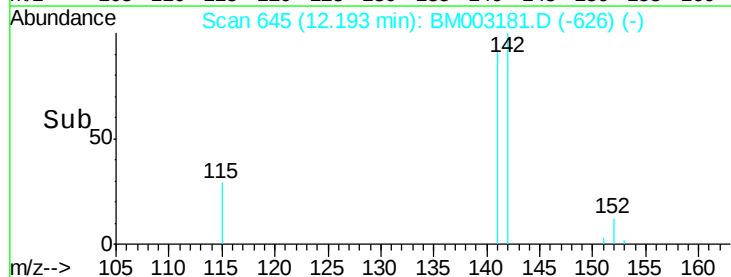
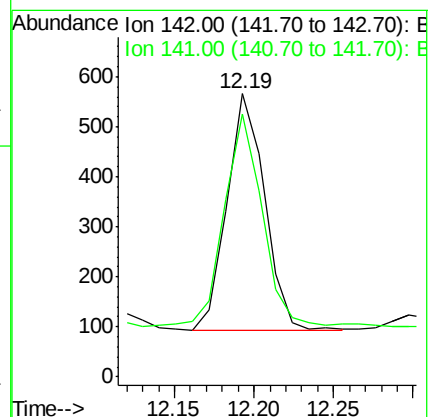
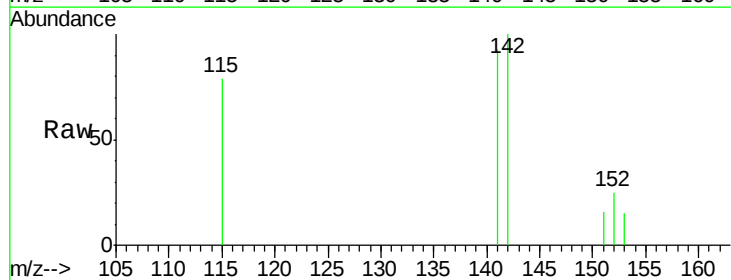
Acq: 19 Nov 2015 03:58

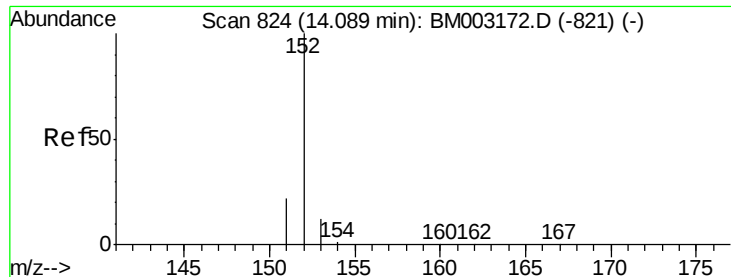
Tgt Ion:142 Resp: 773

Ion Ratio Lower Upper

142 100

141 94.2 0.0 0.0#





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

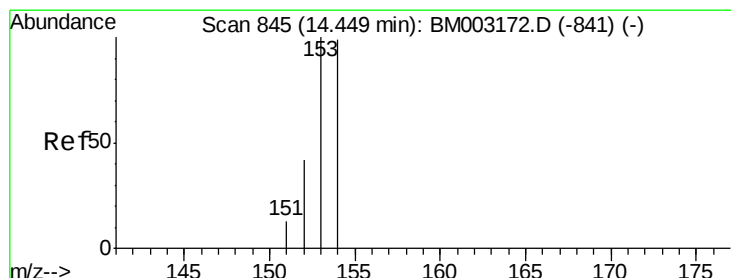
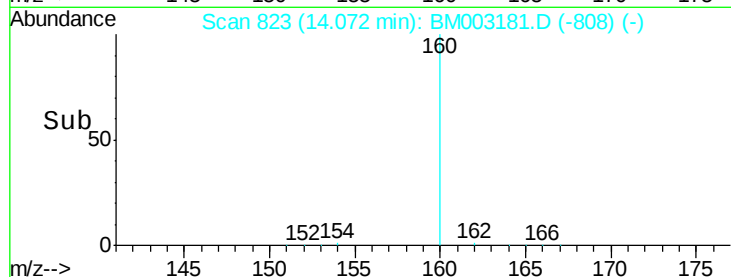
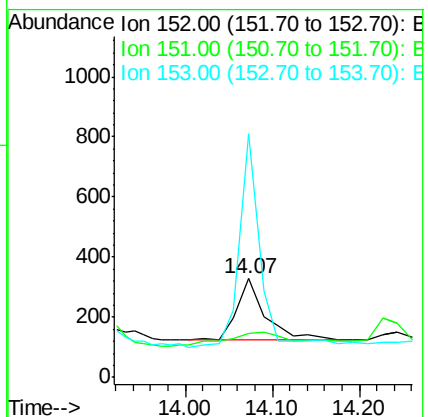
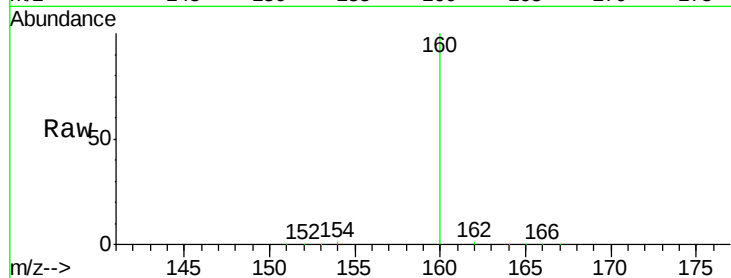
Tgt Ion:152 Resp: 468

Ion Ratio Lower Upper

152 100

151 45.1 17.6 26.4#

153 247.0 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

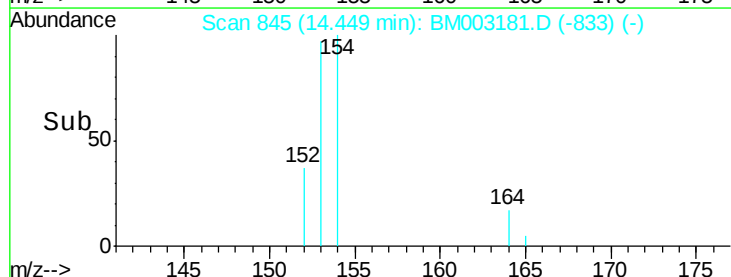
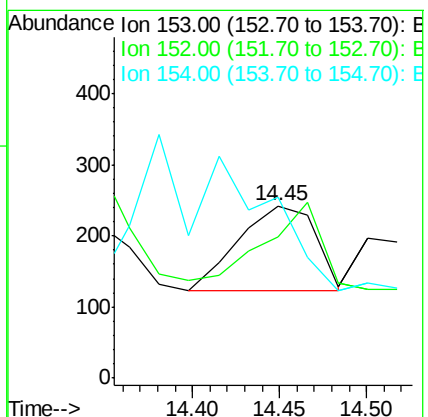
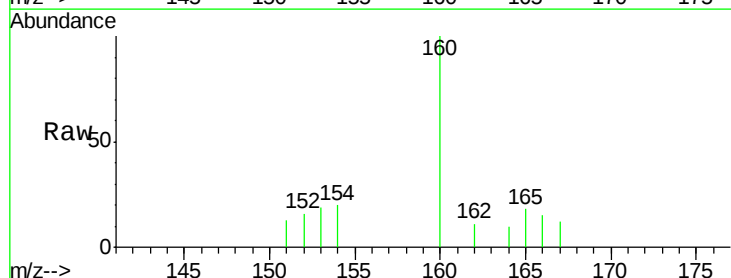
Tgt Ion:153 Resp: 368

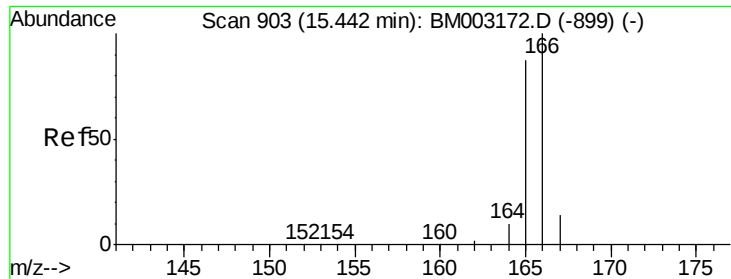
Ion Ratio Lower Upper

153 100

152 82.2 33.9 50.9#

154 105.4 80.6 121.0





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

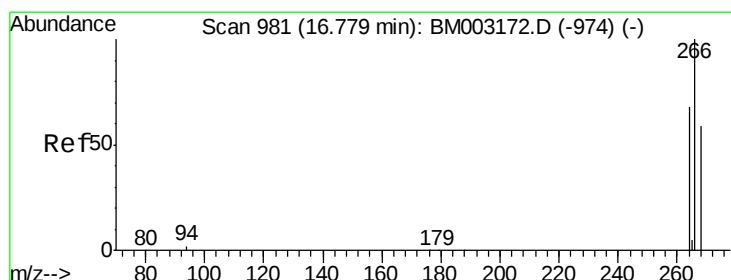
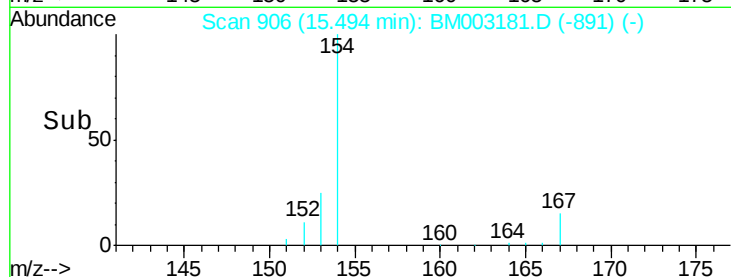
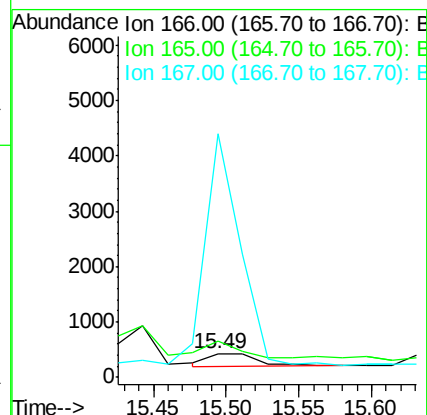
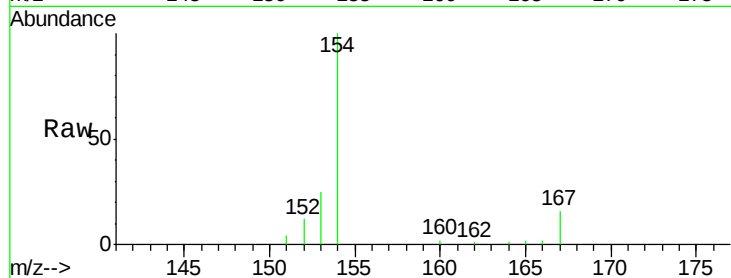
Tgt Ion:166 Resp: 563

Ion Ratio Lower Upper

166 100

165 151.5 69.6 104.4#

167 1029.7 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: BM003181.D

Acq: 19 Nov 2015 03:58

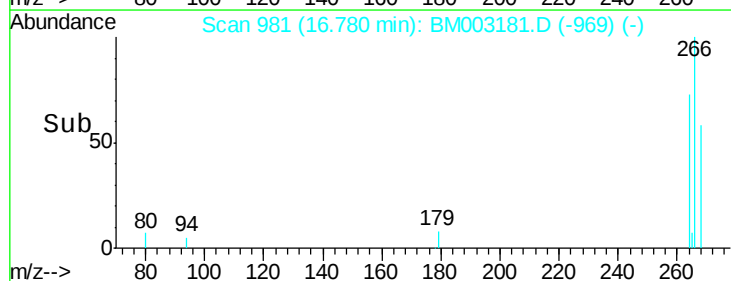
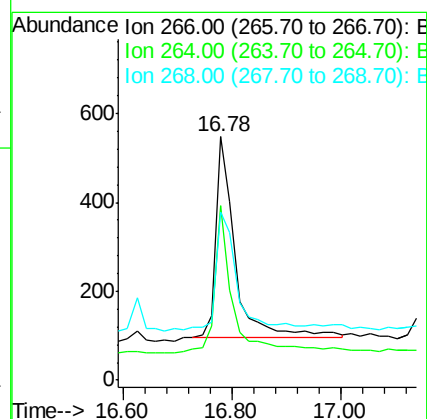
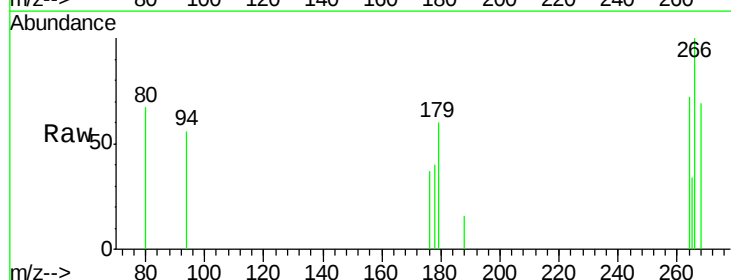
Tgt Ion:266 Resp: 1124

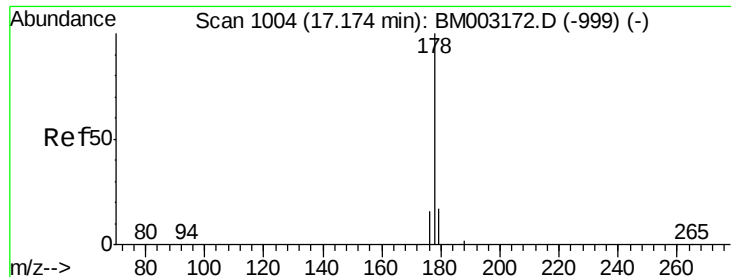
Ion Ratio Lower Upper

266 100

264 63.3 0.3 0.5#

268 66.5 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: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

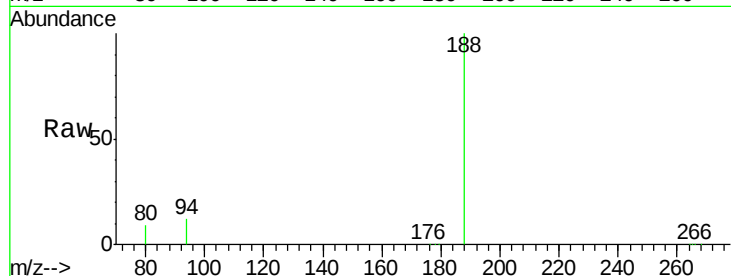
Tgt Ion:178 Resp: 2634

Ion Ratio Lower Upper

178 100

176 12.1 13.0 19.4#

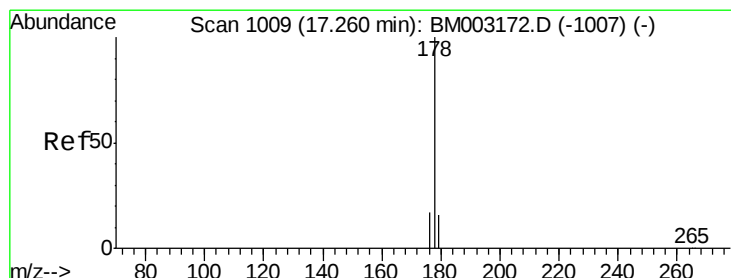
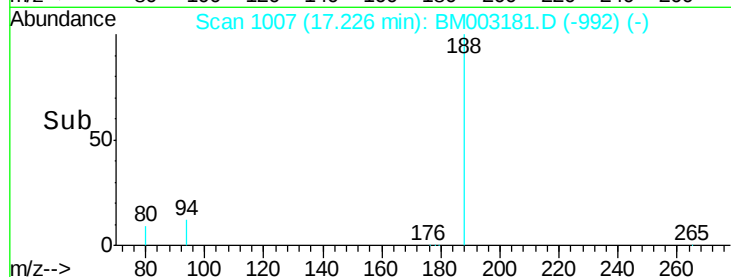
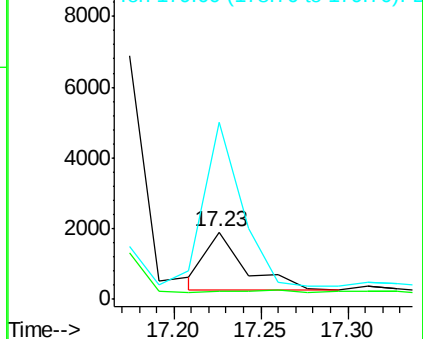
179 262.1 14.2 21.2#



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: BM003181.D

Acq: 19 Nov 2015 03:58

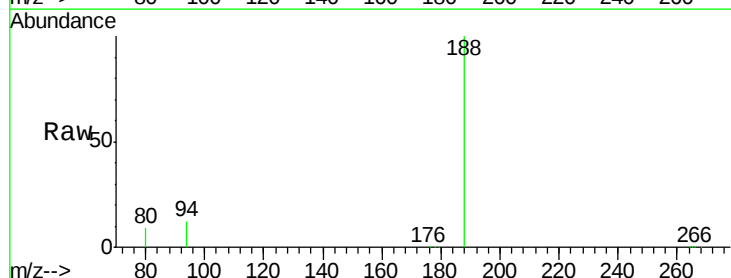
Tgt Ion:178 Resp: 2618

Ion Ratio Lower Upper

178 100

176 12.1 14.0 21.0#

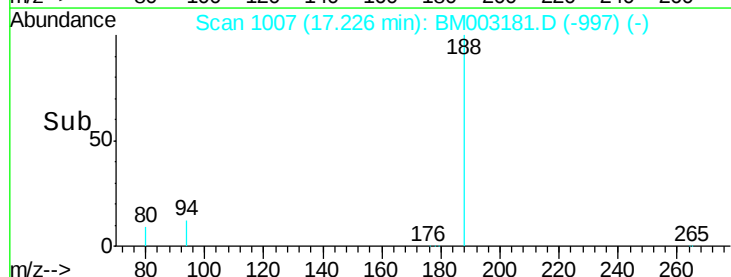
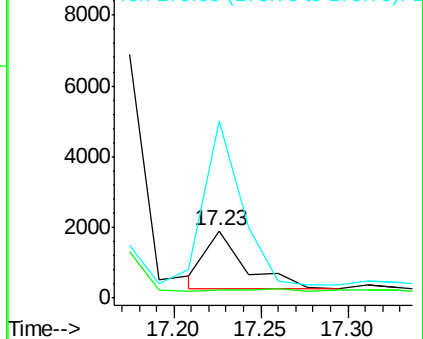
179 262.1 12.9 19.3#

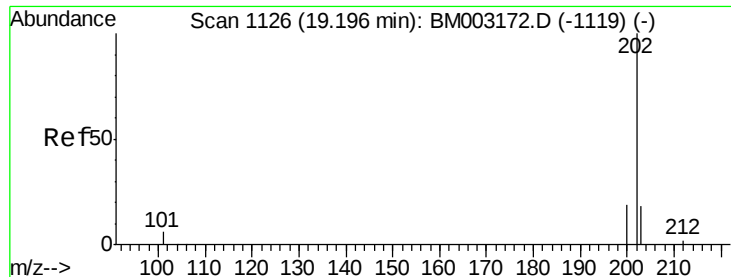


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

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ClientSampleId :

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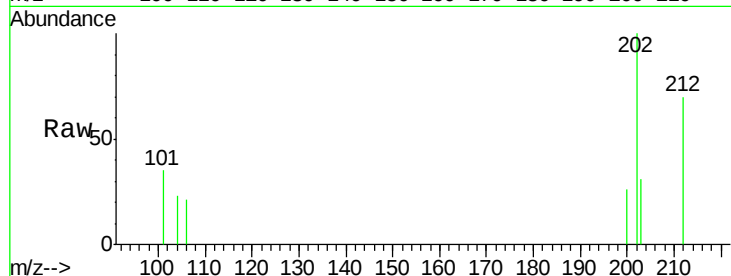
Tgt Ion:202 Resp: 1759

Ion Ratio Lower Upper

202 100

101 35.2 0.0 29.6#

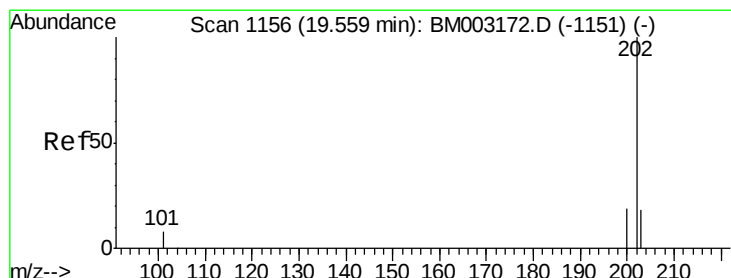
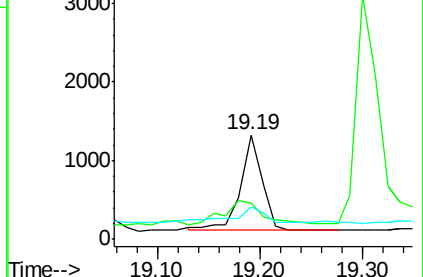
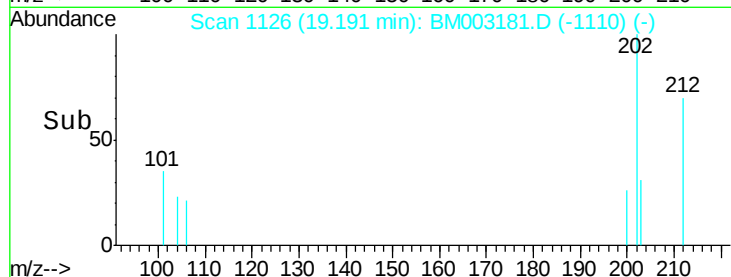
203 30.9 0.0 36.3



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: 0.01 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

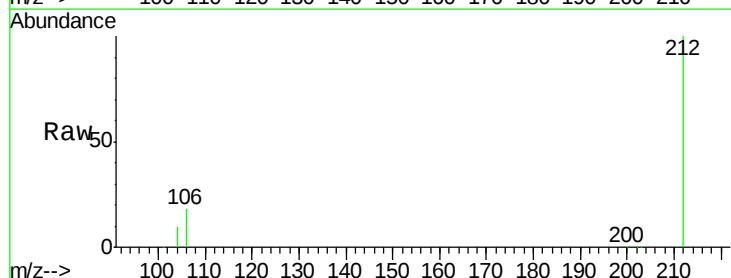
Tgt Ion:202 Resp: 9864

Ion Ratio Lower Upper

202 100

200 4.0 17.8 26.8#

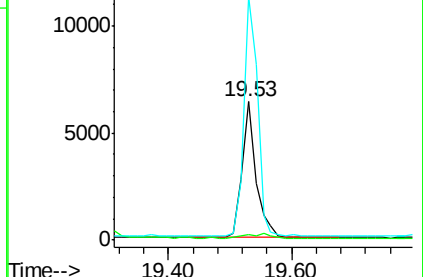
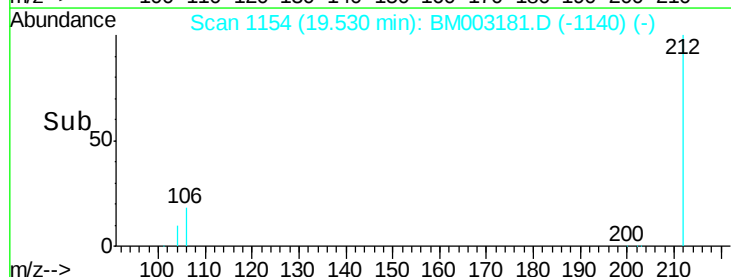
203 176.1 12.8 19.2#

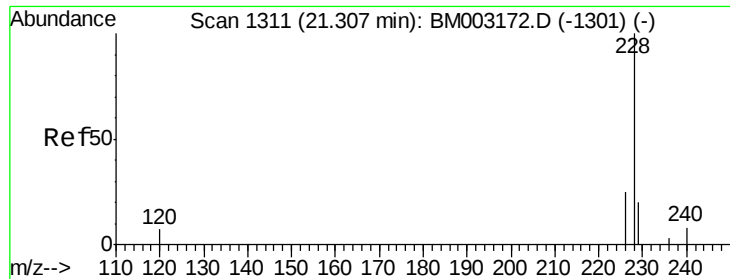


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.32 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

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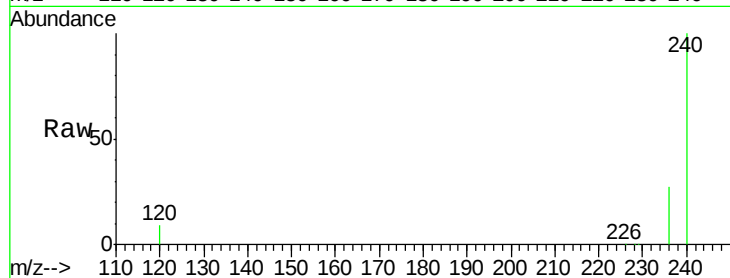
Tgt Ion:228 Resp: 1570

Ion Ratio Lower Upper

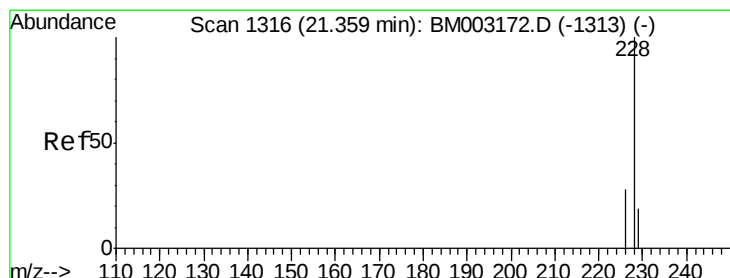
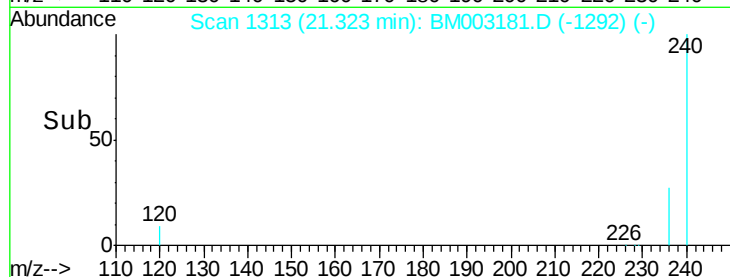
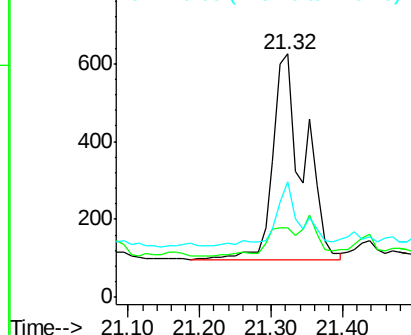
228 100

226 28.3 18.8 28.2#

229 47.7 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: 21.32 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

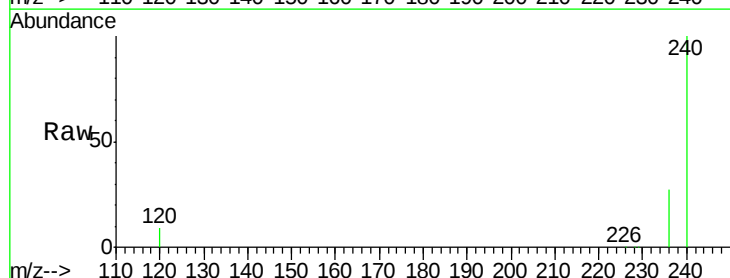
Tgt Ion:228 Resp: 1570

Ion Ratio Lower Upper

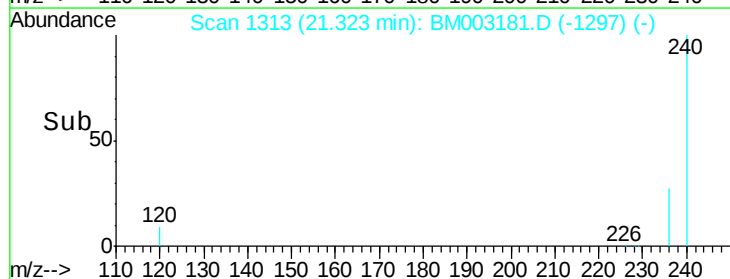
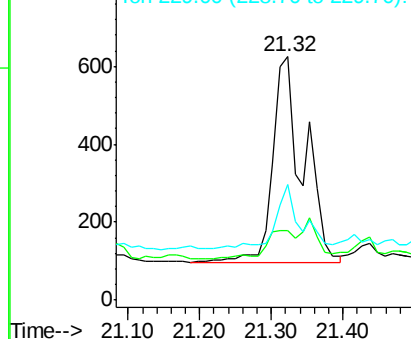
228 100

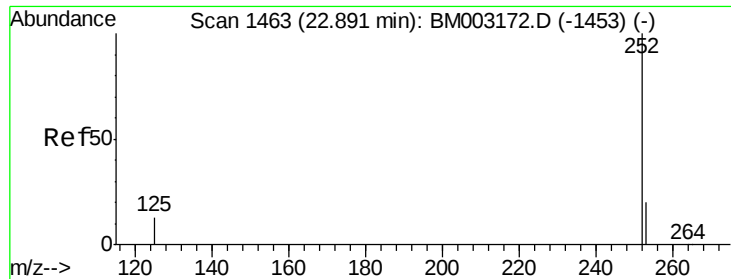
226 28.3 21.2 31.8

229 47.7 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: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

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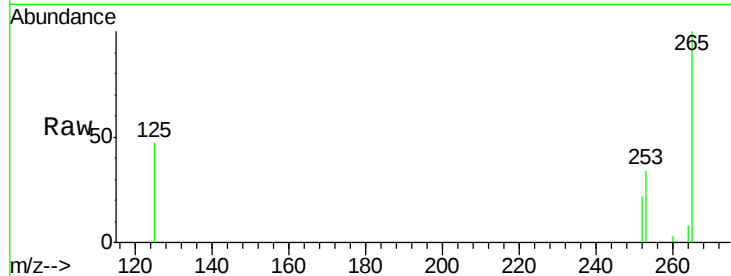
Tgt Ion:252 Resp: 727

Ion Ratio Lower Upper

252 100

253 154.3 0.0 45.4#

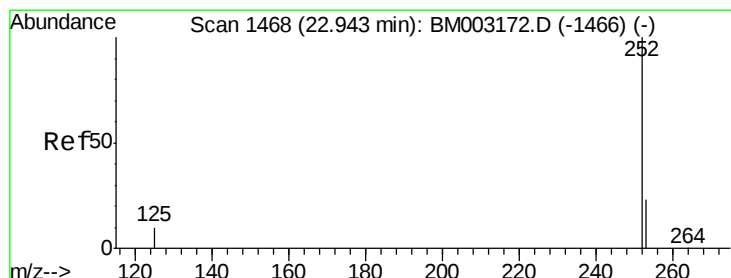
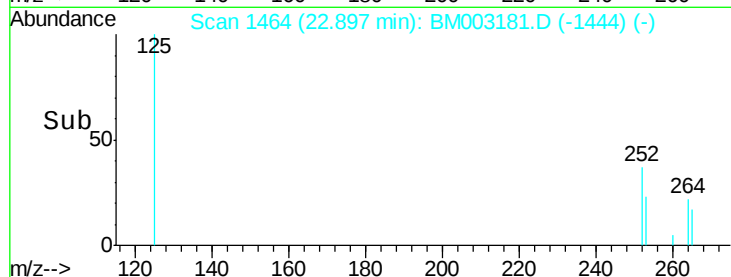
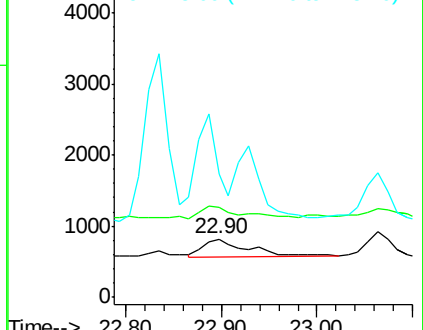
125 213.0 0.0 28.8#



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: BM003181.D

Acq: 19 Nov 2015 03:58

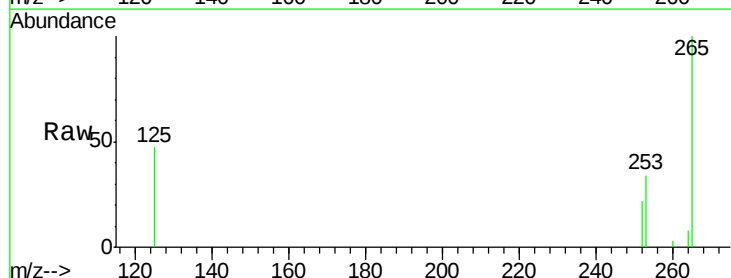
Tgt Ion:252 Resp: 704

Ion Ratio Lower Upper

252 100

253 154.3 19.8 29.8#

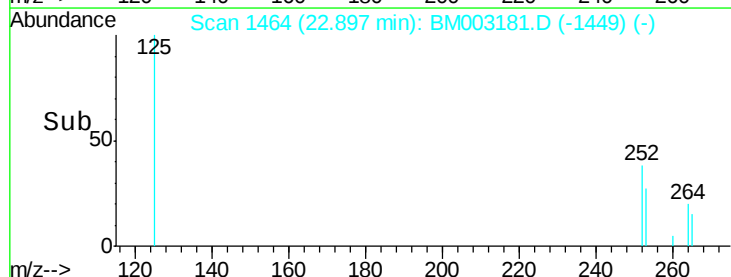
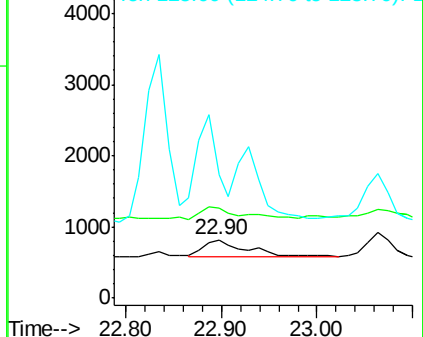
125 213.0 10.4 15.6#

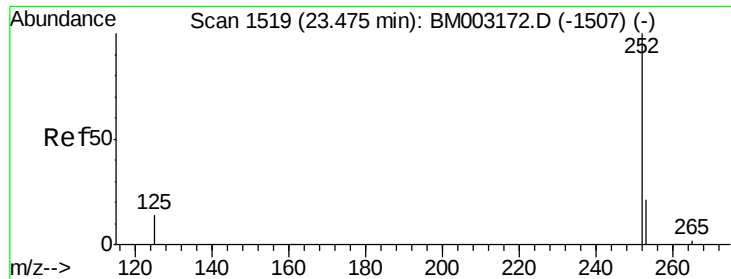


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.43 min Scan# 1515

Delta R.T. -0.05 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

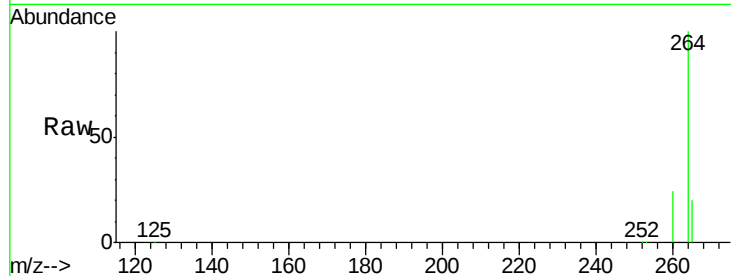
Tgt Ion:252 Resp: 19630

Ion Ratio Lower Upper

252 100

253 33.8 19.4 29.2#

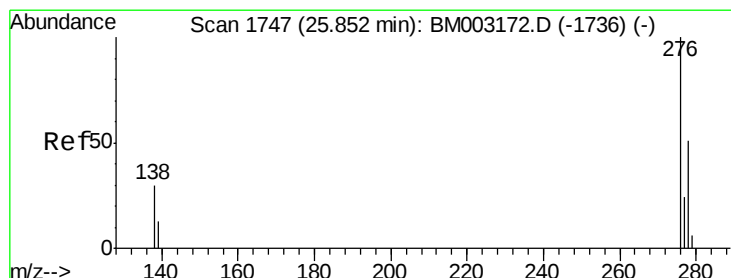
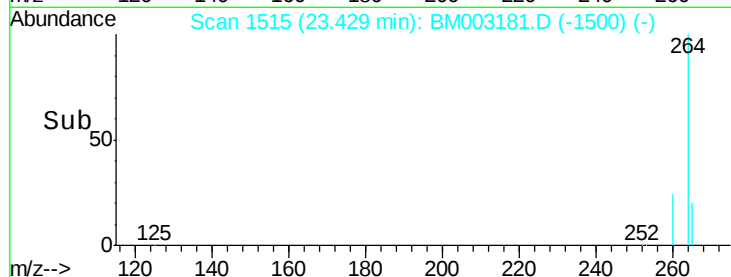
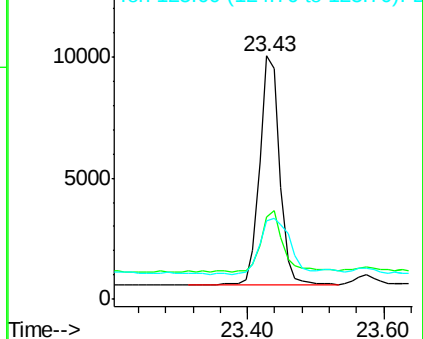
125 32.0 12.7 19.1#



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: 25.85 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

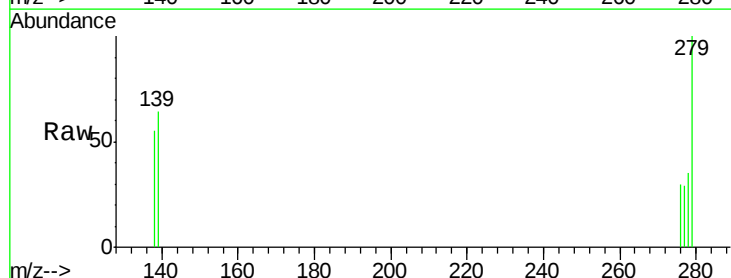
Tgt Ion:276 Resp: 333

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

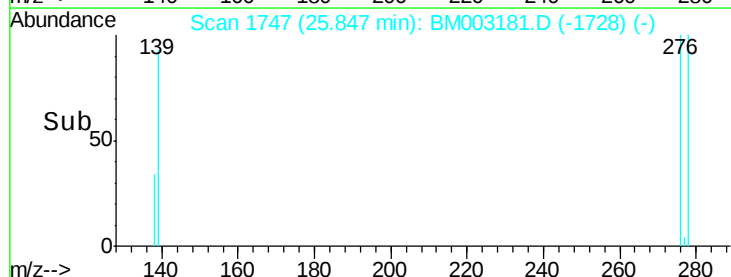
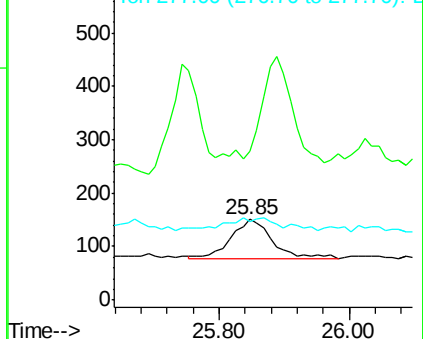
277 22.8 0.0 0.0#

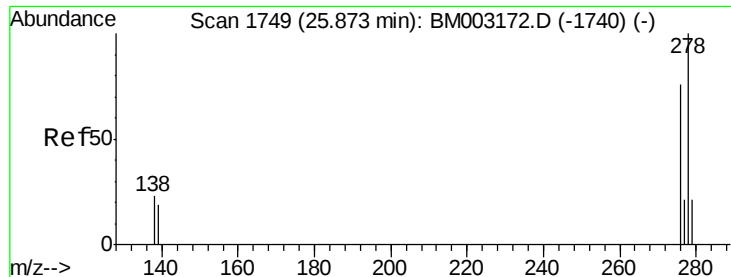


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.86 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

Instrument :

BNA_M

ClientSampleId :

A4HT9

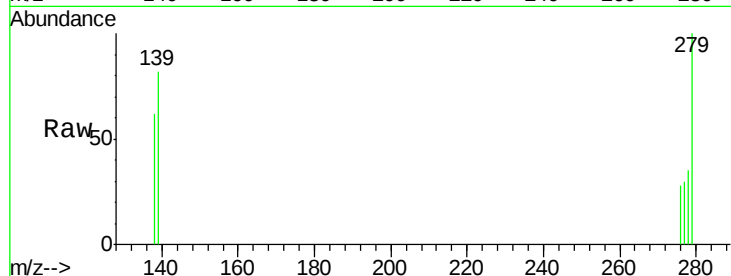
Tgt Ion:278 Resp: 588

Ion Ratio Lower Upper

278 100

139 235.6 16.4 24.6#

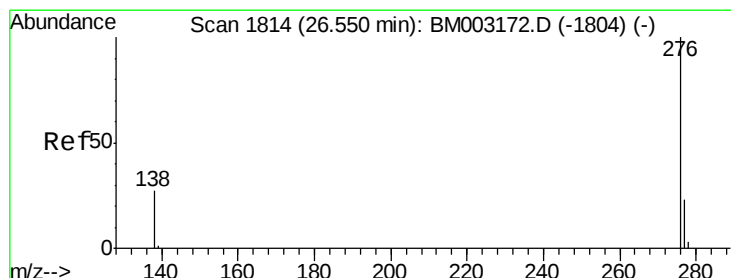
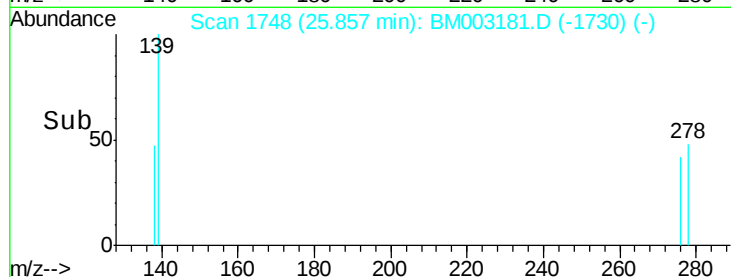
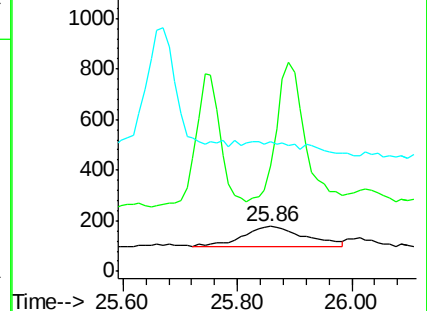
279 288.7 20.2 30.2#



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: 26.55 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BM003181.D

Acq: 19 Nov 2015 03:58

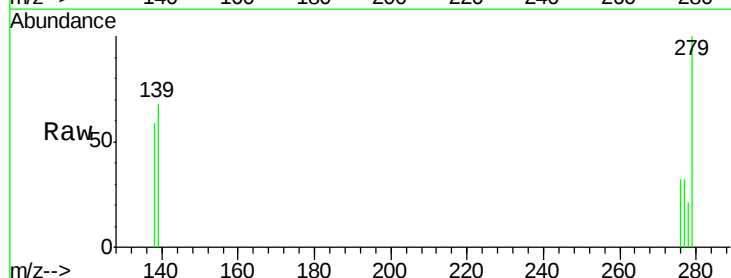
Tgt Ion:276 Resp: 280

Ion Ratio Lower Upper

276 100

277 100.0 18.9 28.3#

138 183.1 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

