

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007120.D
 Acq On : 15 Aug 2016 17:20
 Operator : UM/SJ
 Sample : H4338-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V13

Quant Time: Aug 16 01:54:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 01:54:24 2016
 Response via : Initial Calibration

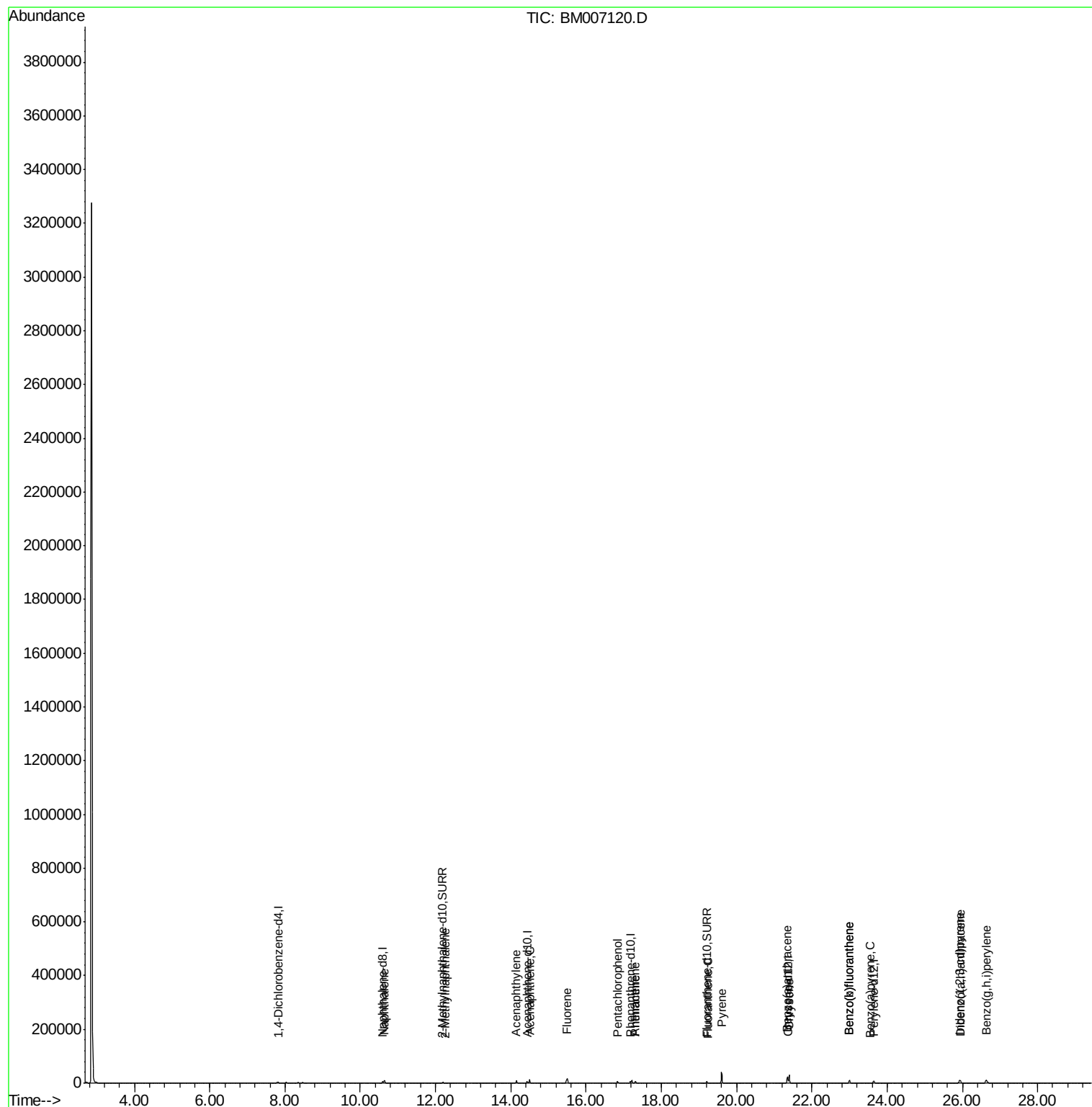
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2575	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	8841	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	4165	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	8922	0.40	ng/ul	0.00
16) Chrysene-d12	21.37	240	9293	0.40	ng/ul	0.00
20) Perylene-d12	23.64	264	9339	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.18	152	3619	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7374	0.37	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	16550	0.75	ng/ul	99
5) 2-Methylnaphthalene	12.26	142	41	0.00	ng/ul	97
7) Acenaphthylene	14.14	152	14043	0.62	ng/ul	99
8) Acenaphthene	14.50	153	9716	0.67	ng/ul	98
9) Fluorene	15.50	166	13244	0.81	ng/ul	99
11) Pentachlorophenol	16.83	266	4834	2.16	ng/ul	96
12) Phenanthrene	17.31	178	9160	0.36	ng/ul	97
13) Anthracene	17.31	178	9680	0.40	ng/ul	99
15) Fluoranthene	19.23	202	197	0.01	ng/ul#	16
17) Pyrene	19.60	202	42201	1.37	ng/ul	99
18) Benzo(a)anthracene	21.35	228	19960	0.68	ng/ul	97
19) Chrysene	21.40	228	27372	0.97	ng/ul	96
21) Benzo(b)fluoranthene	23.00	252	14641	0.42	ng/ul	99
22) Benzo(k)fluoranthene	23.00	252	14641	0.51	ng/ul	97
23) Benzo(a)pyrene	23.54	252	245	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.93	276	23292	0.63	ng/ul	97
25) Dibenzo(a,h)anthracene	25.95	278	1165	0.04	ng/ul#	71
26) Benzo(g,h,i)perylene	26.63	276	25061	0.80	ng/ul	95

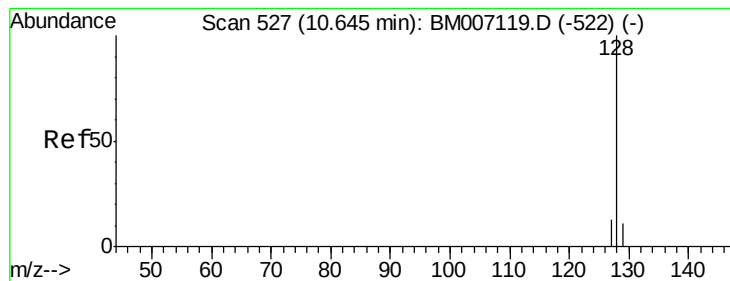
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.75 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

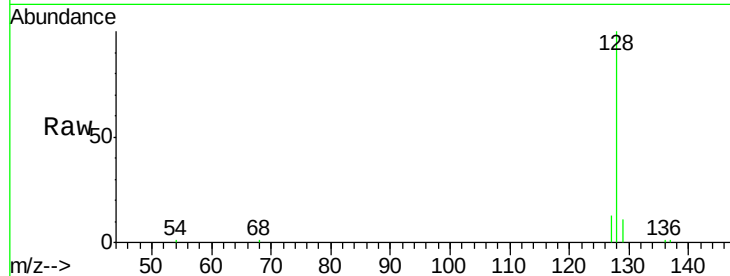
Tgt Ion:128 Resp: 16550

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

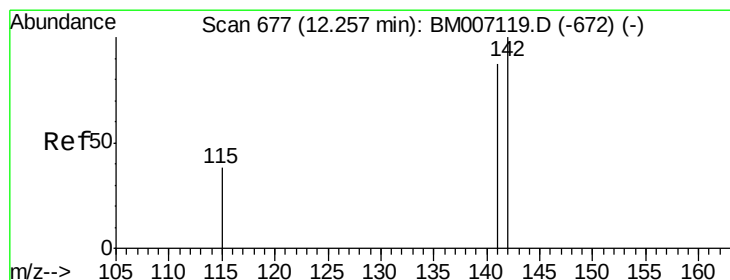
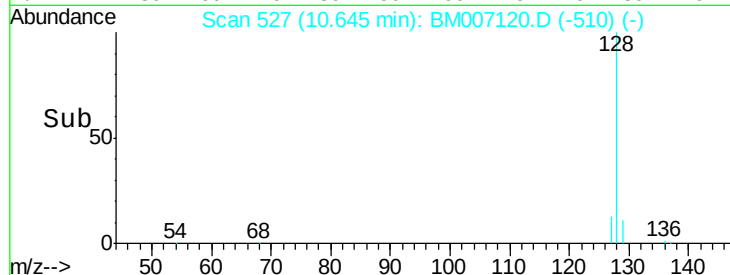
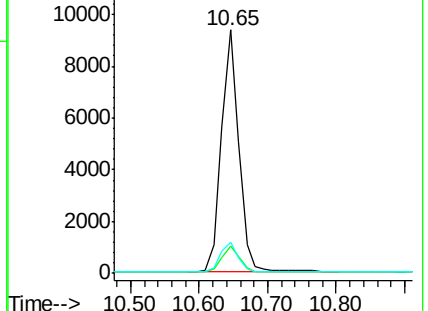
127 13.0 9.6 14.4



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



#5

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007120.D

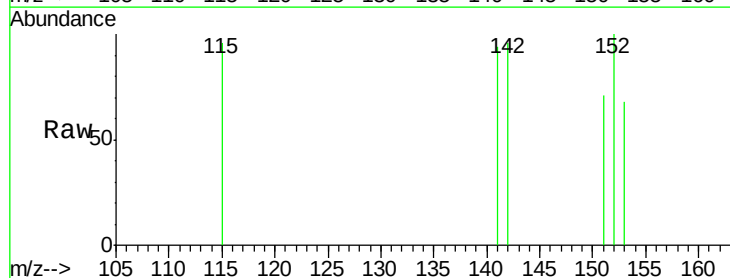
Acq: 15 Aug 2016 17:20

Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

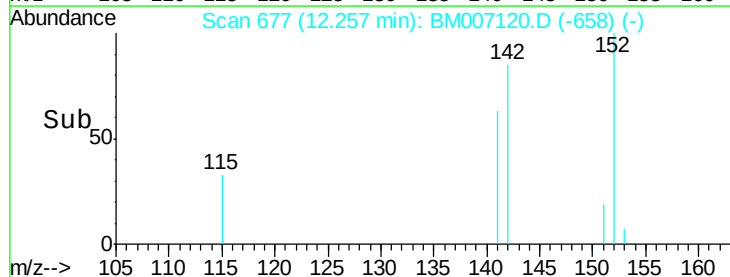
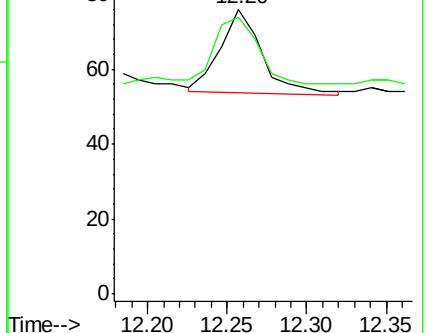
142 100

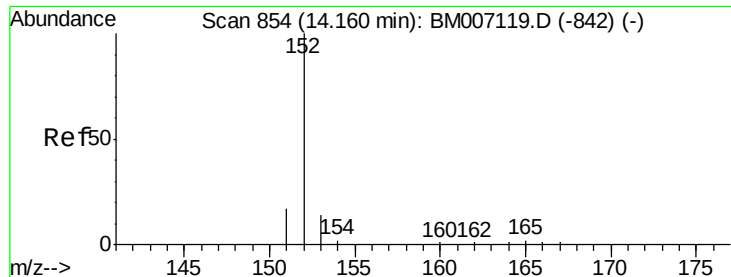
141 90.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.62 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

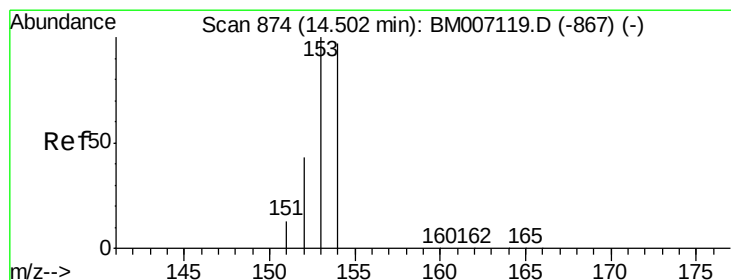
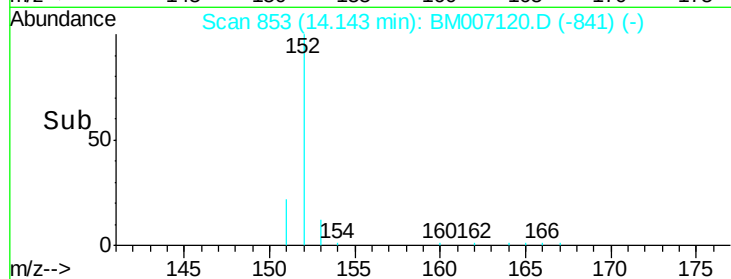
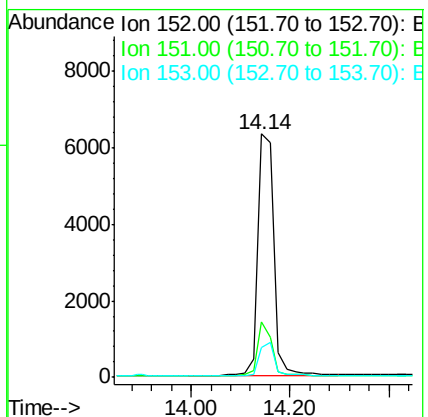
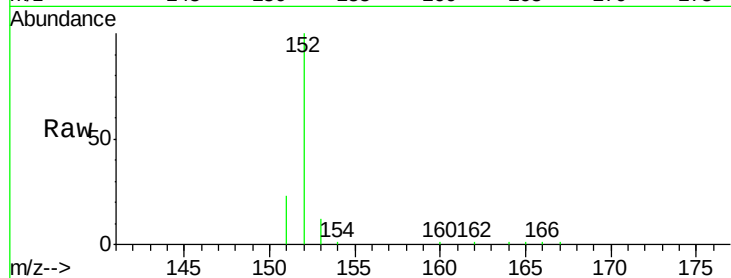
Tgt Ion:152 Resp: 14043

Ion Ratio Lower Upper

152 100

151 22.8 17.6 26.4

153 12.3 9.7 14.5



#8

Acenaphthene

Concen: 0.67 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

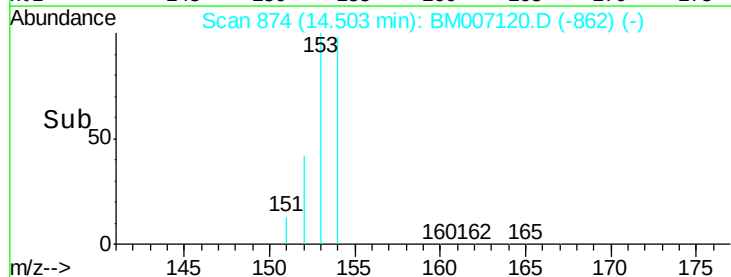
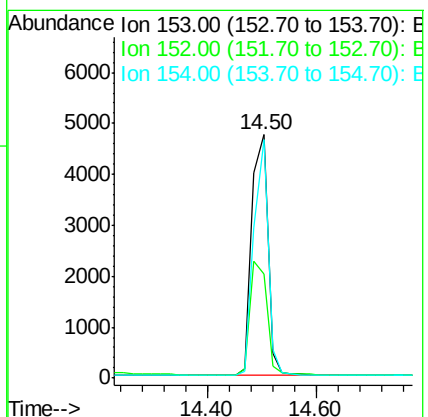
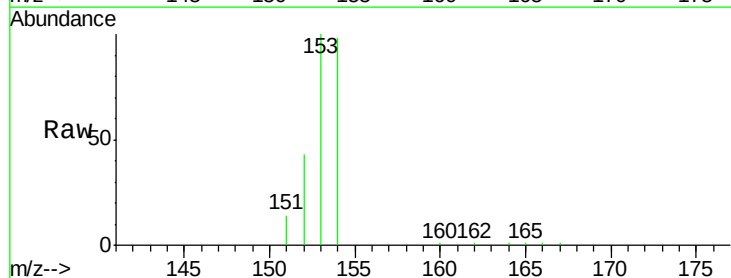
Tgt Ion:153 Resp: 9716

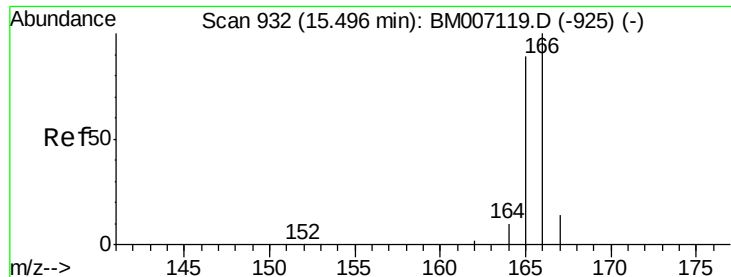
Ion Ratio Lower Upper

153 100

152 42.9 33.9 50.9

154 98.1 80.6 121.0





#9

Fluorene

Concen: 0.81 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

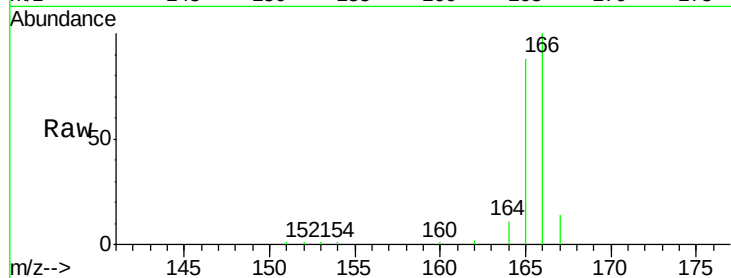
Tgt Ion:166 Resp: 13244

Ion Ratio Lower Upper

166 100

165 88.1 69.6 104.4

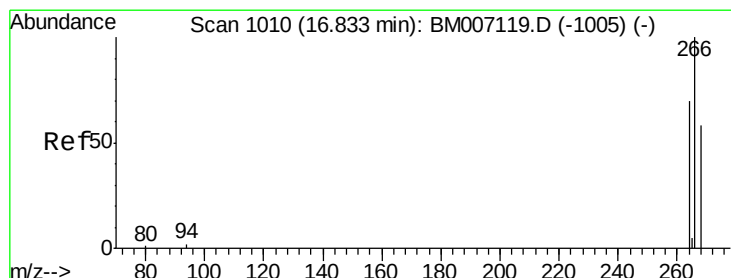
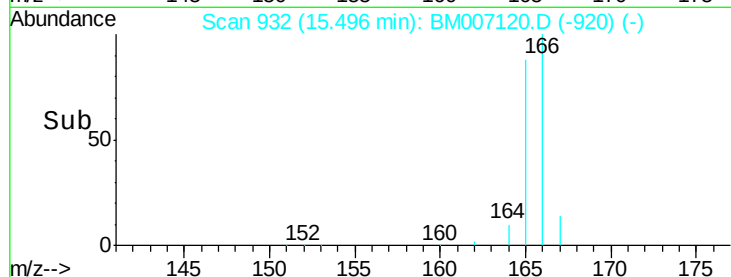
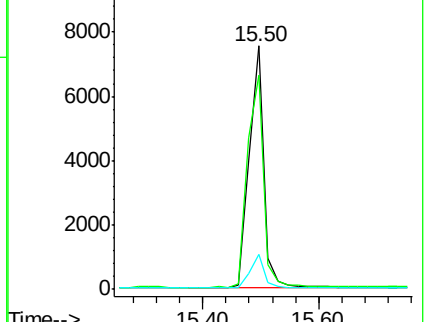
167 14.4 11.9 17.9



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



#11

Pentachlorophenol

Concen: 2.16 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

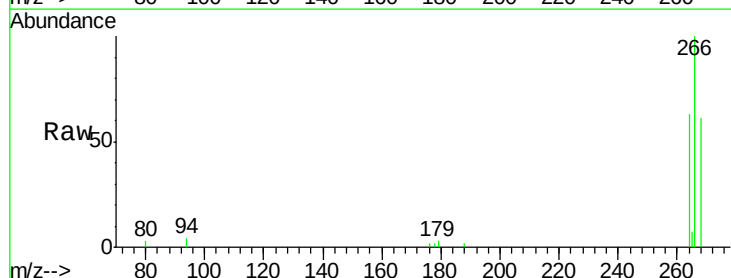
Tgt Ion:266 Resp: 4834

Ion Ratio Lower Upper

266 100

264 62.6 51.8 77.8

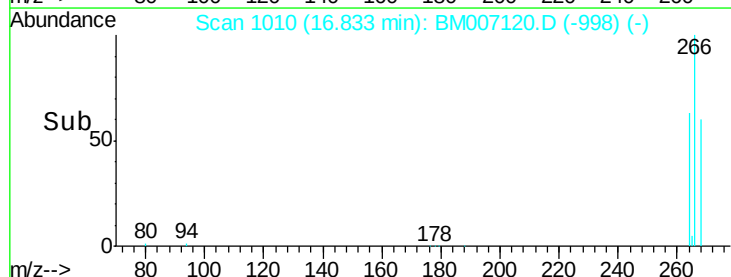
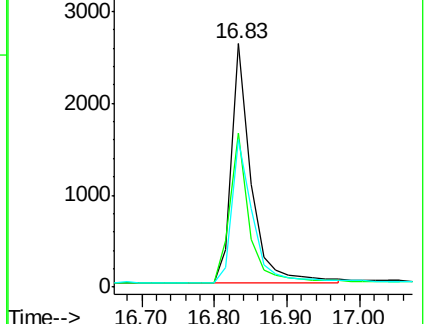
268 63.2 46.8 70.2

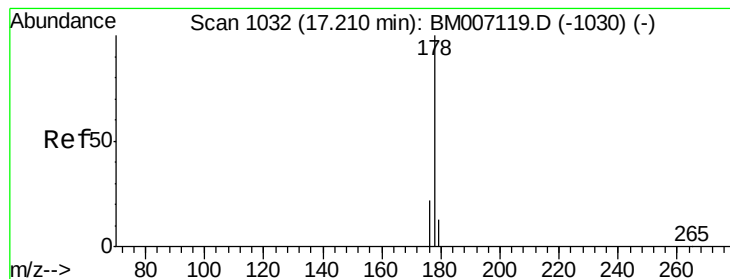


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.36 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

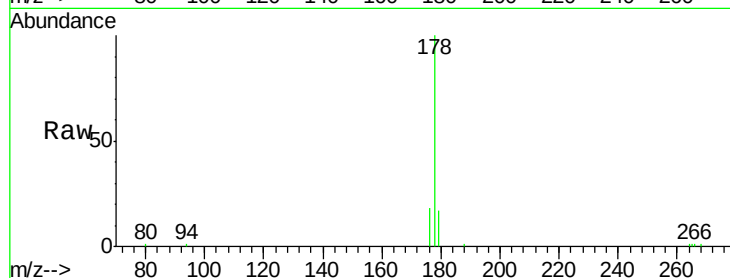
Tgt Ion:178 Resp: 9160

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

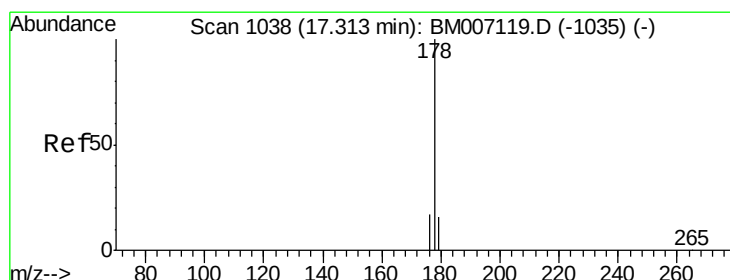
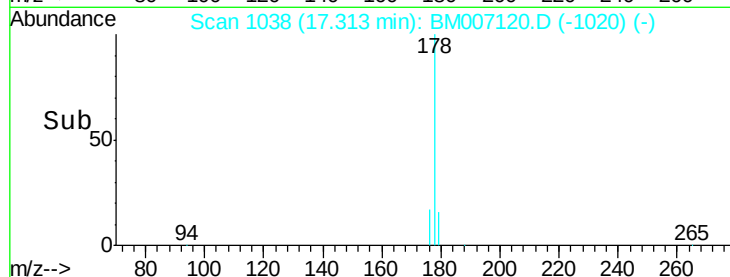
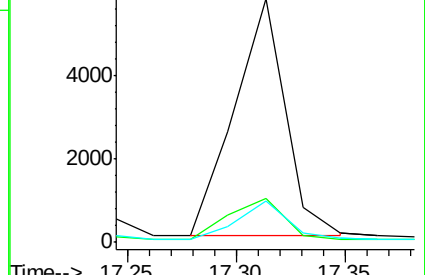
179 17.0 14.2 21.2



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



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

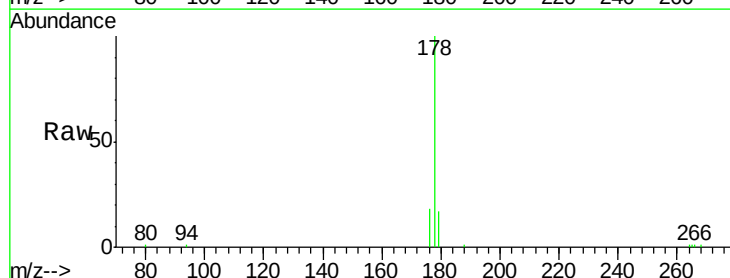
Tgt Ion:178 Resp: 9680

Ion Ratio Lower Upper

178 100

176 17.8 14.0 21.0

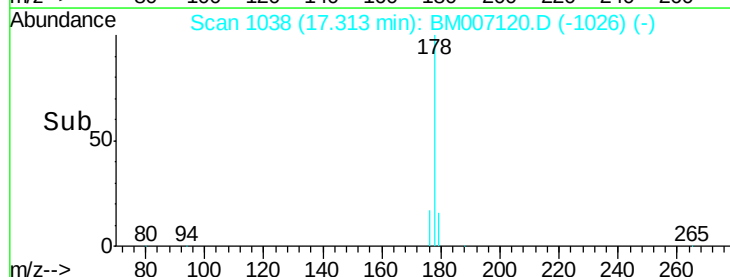
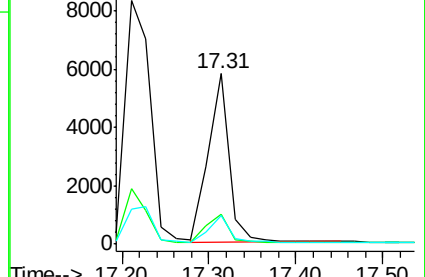
179 17.0 12.9 19.3

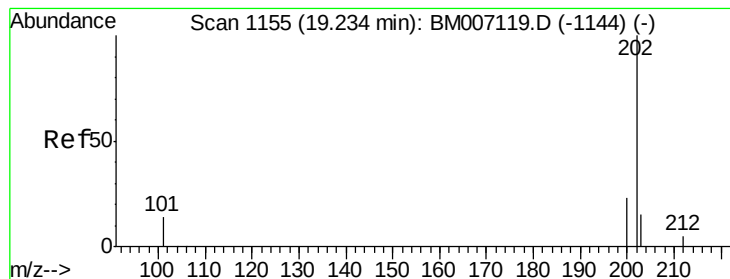


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

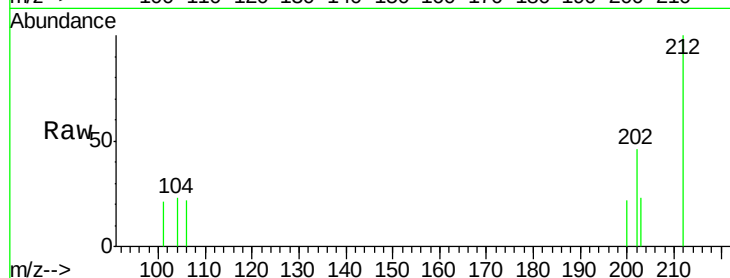
Tgt Ion:202 Resp: 197

Ion Ratio Lower Upper

202 100

101 44.9 0.0 29.6#

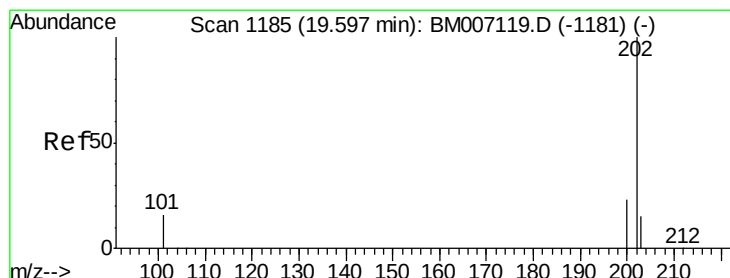
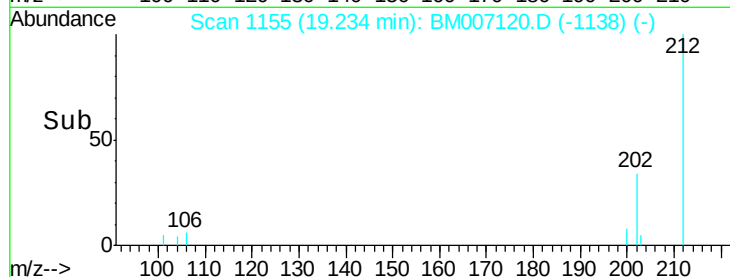
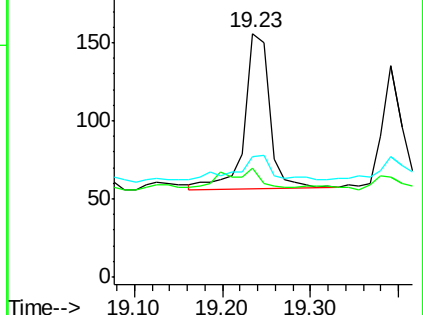
203 49.4 0.0 36.3#



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



#17

Pyrene

Concen: 1.37 ng/ul

RT: 19.60 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

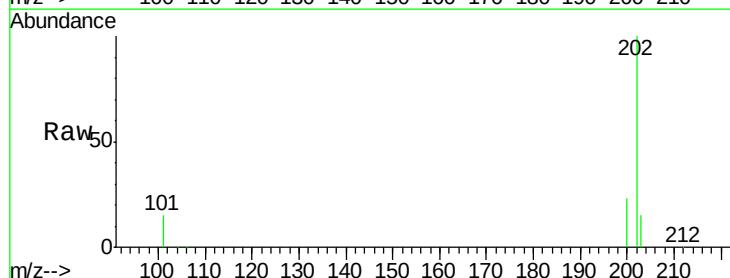
Tgt Ion:202 Resp: 42201

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.8

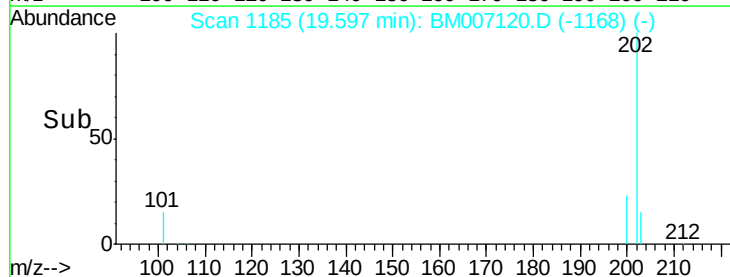
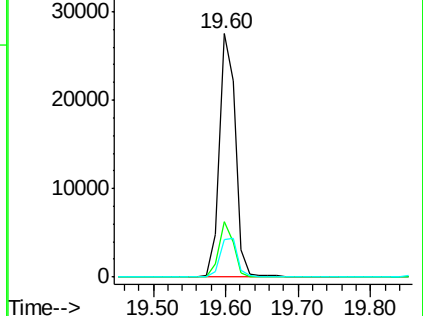
203 15.4 12.8 19.2

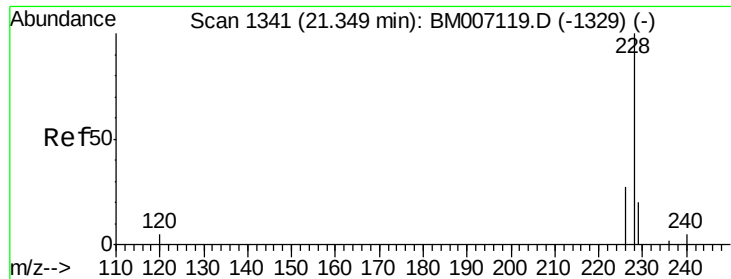


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.68 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

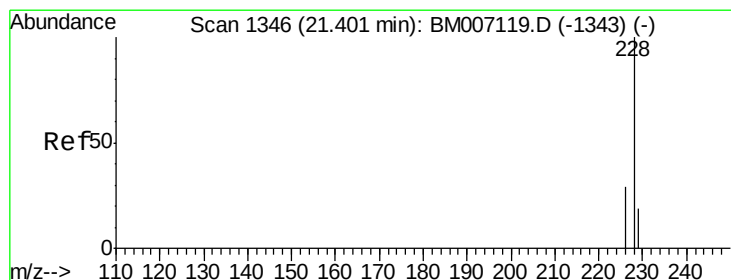
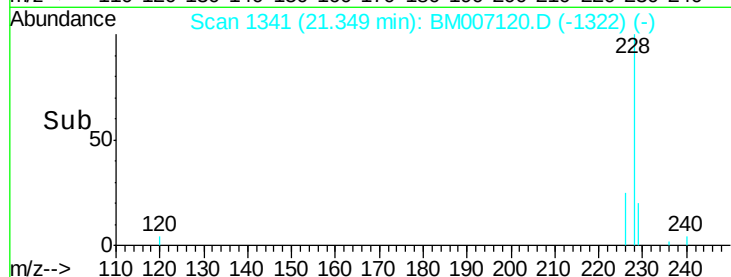
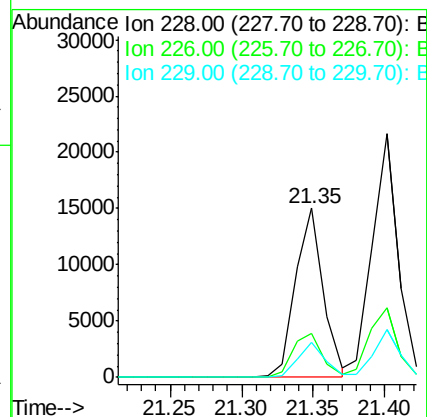
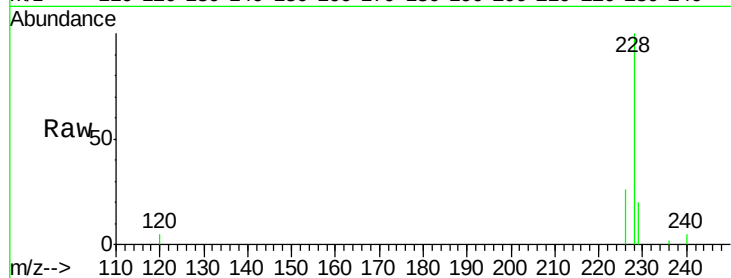
Tgt Ion:228 Resp: 19960

Ion Ratio Lower Upper

228 100

226 25.8 18.8 28.2

229 20.4 17.1 25.7



#19

Chrysene

Concen: 0.97 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

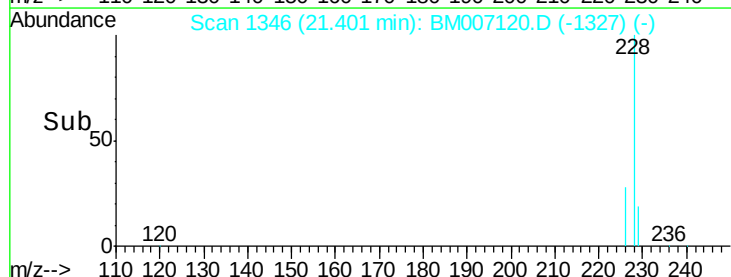
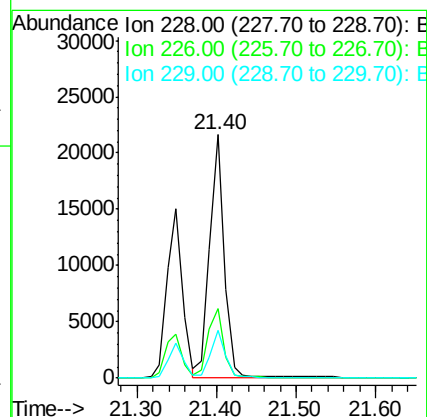
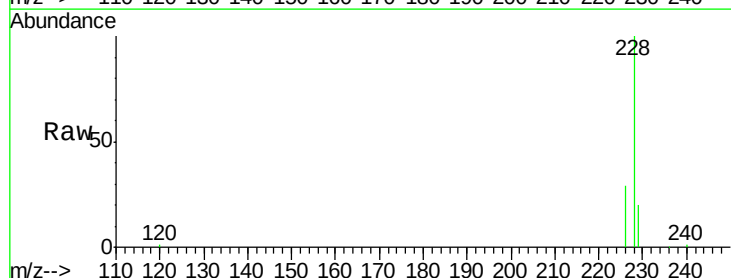
Tgt Ion:228 Resp: 27372

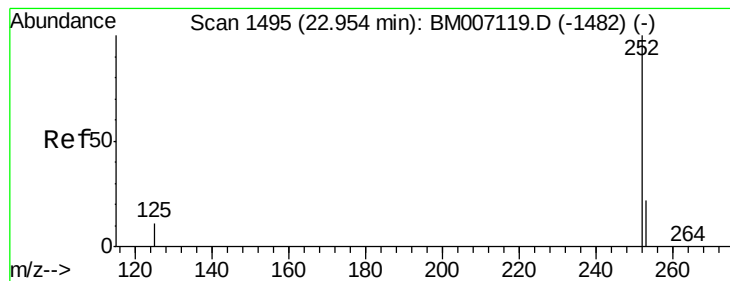
Ion Ratio Lower Upper

228 100

226 28.6 21.2 31.8

229 19.7 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.42 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. 0.04 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

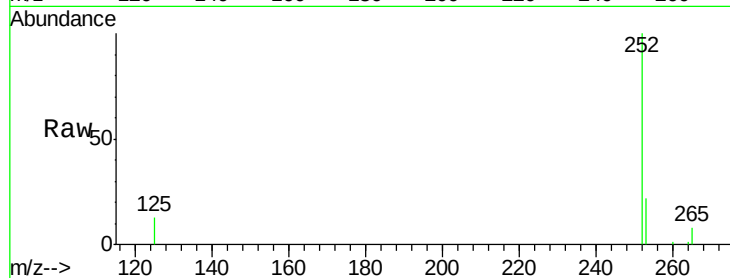
Tgt Ion:252 Resp: 14641

Ion Ratio Lower Upper

252 100

253 22.5 0.0 45.4

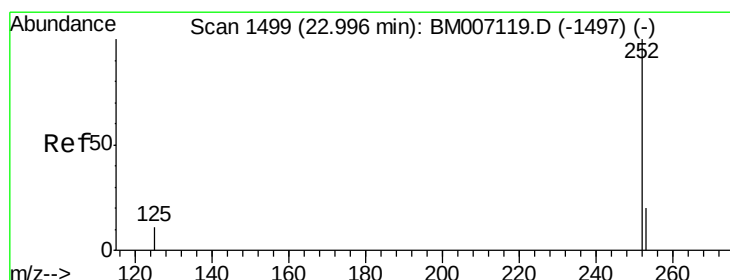
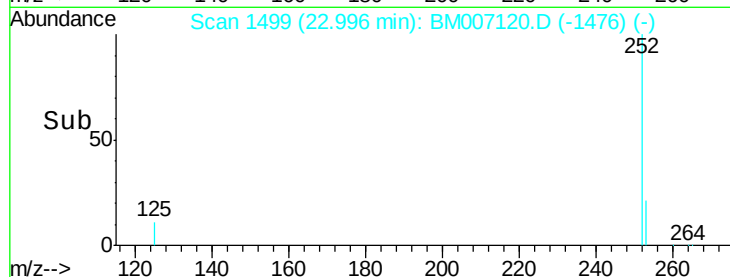
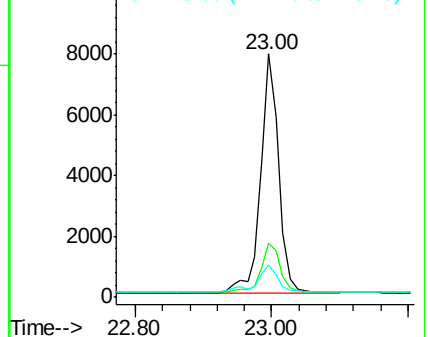
125 13.3 0.0 28.8



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



#22

Benzo(k)fluoranthene

Concen: 0.51 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

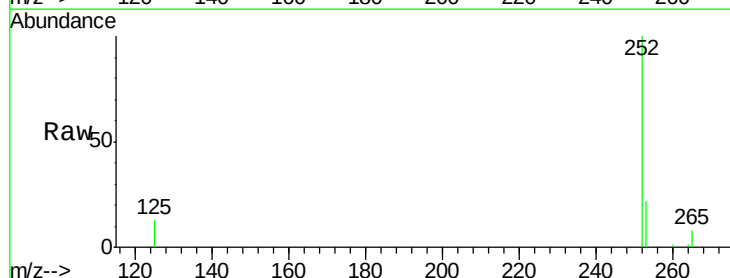
Tgt Ion:252 Resp: 14641

Ion Ratio Lower Upper

252 100

253 22.5 19.8 29.8

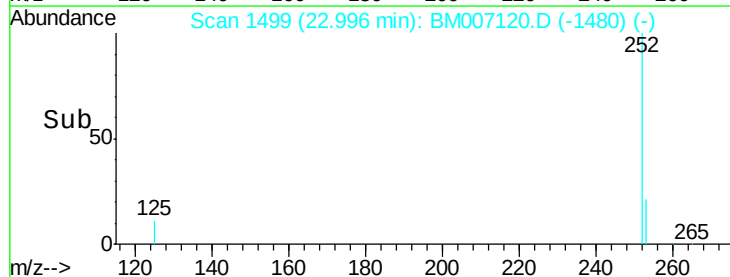
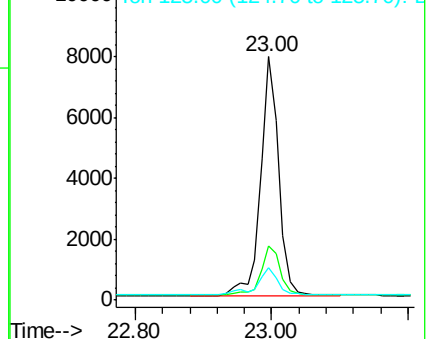
125 13.3 10.4 15.6

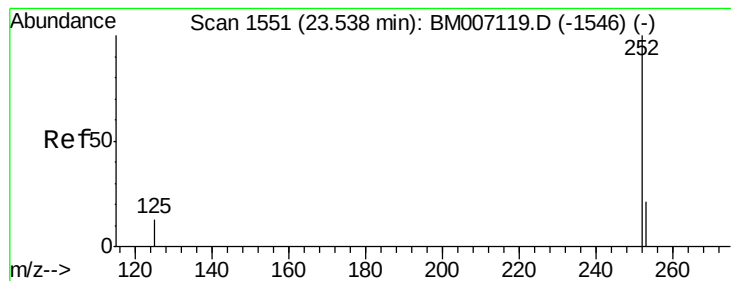


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.54 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

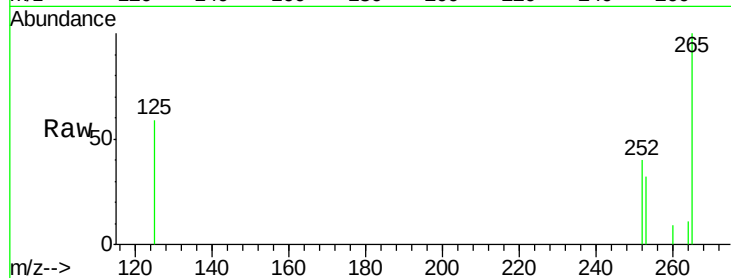
Tgt Ion: 252 Resp: 245

Ion Ratio Lower Upper

252 100

253 79.6 19.4 29.2#

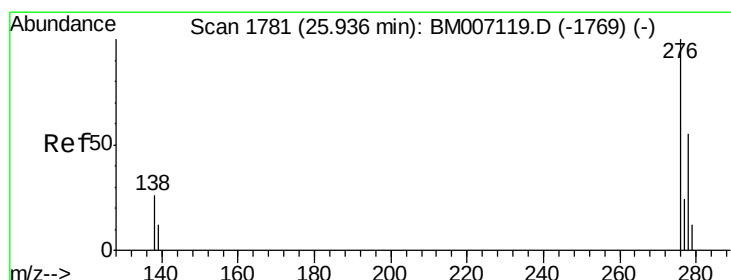
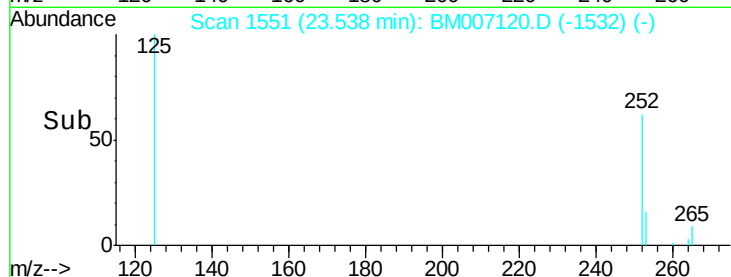
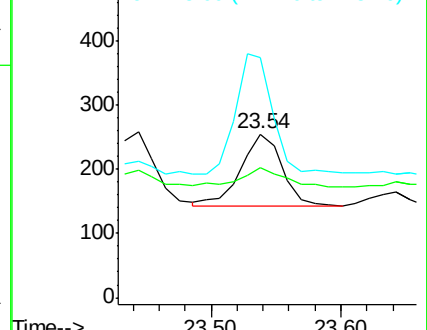
125 146.7 12.7 19.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.63 ng/ul

RT: 25.93 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

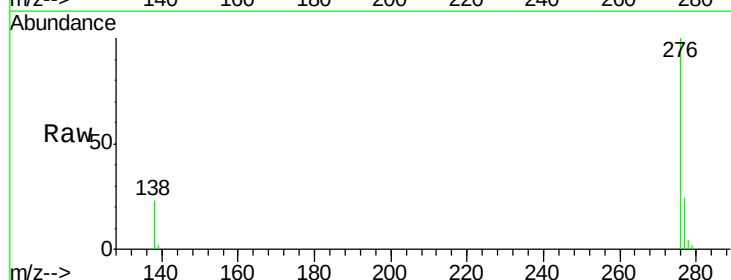
Tgt Ion: 276 Resp: 23292

Ion Ratio Lower Upper

276 100

138 21.7 16.3 24.5

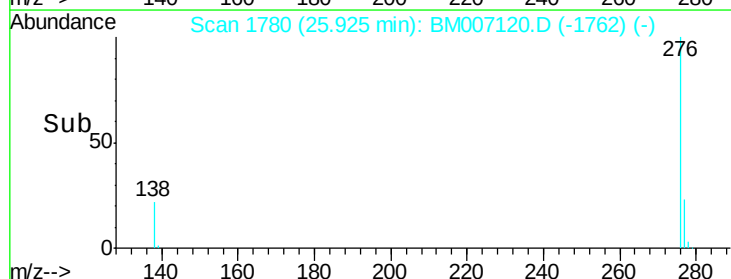
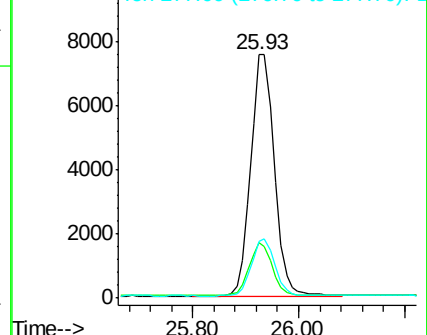
277 23.4 19.8 29.8

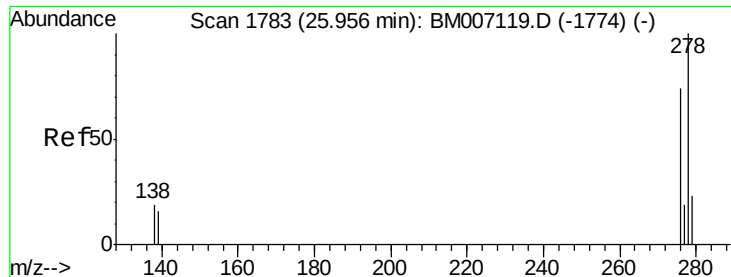


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.95 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

Instrument :

BNA_M

ClientSampleId :

A4V13

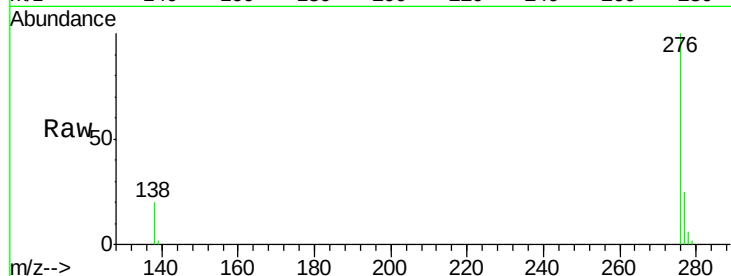
Tgt Ion: 278 Resp: 1165

Ion Ratio Lower Upper

278 100

139 37.4 16.4 24.6#

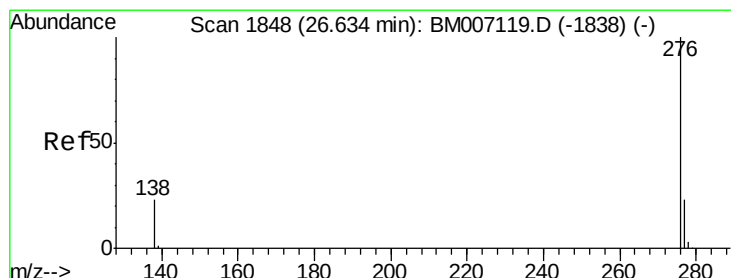
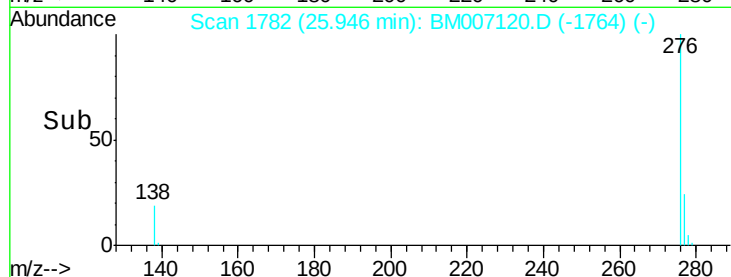
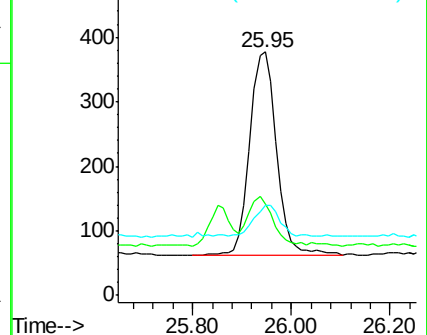
279 37.1 20.2 30.2#



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



#26

Benzo(g,h,i)perylene

Concen: 0.80 ng/ul

RT: 26.63 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM007120.D

Acq: 15 Aug 2016 17:20

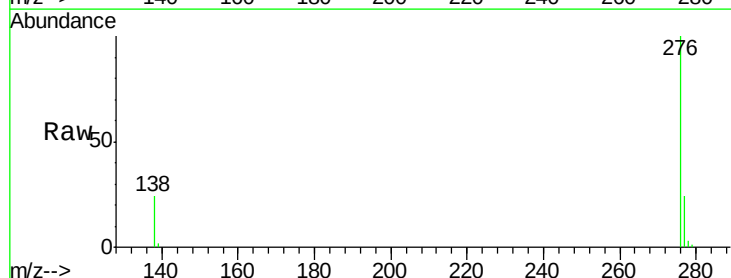
Tgt Ion: 276 Resp: 25061

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 24.1 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

