

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009191.D
 Acq On : 11 Mar 2017 00:44
 Operator : SJ/MA
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.456

Quant Time: Mar 11 01:18:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	298	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	920	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	501	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1092	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	985	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	921	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	588	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1250	0.37	ng/ul	0.00

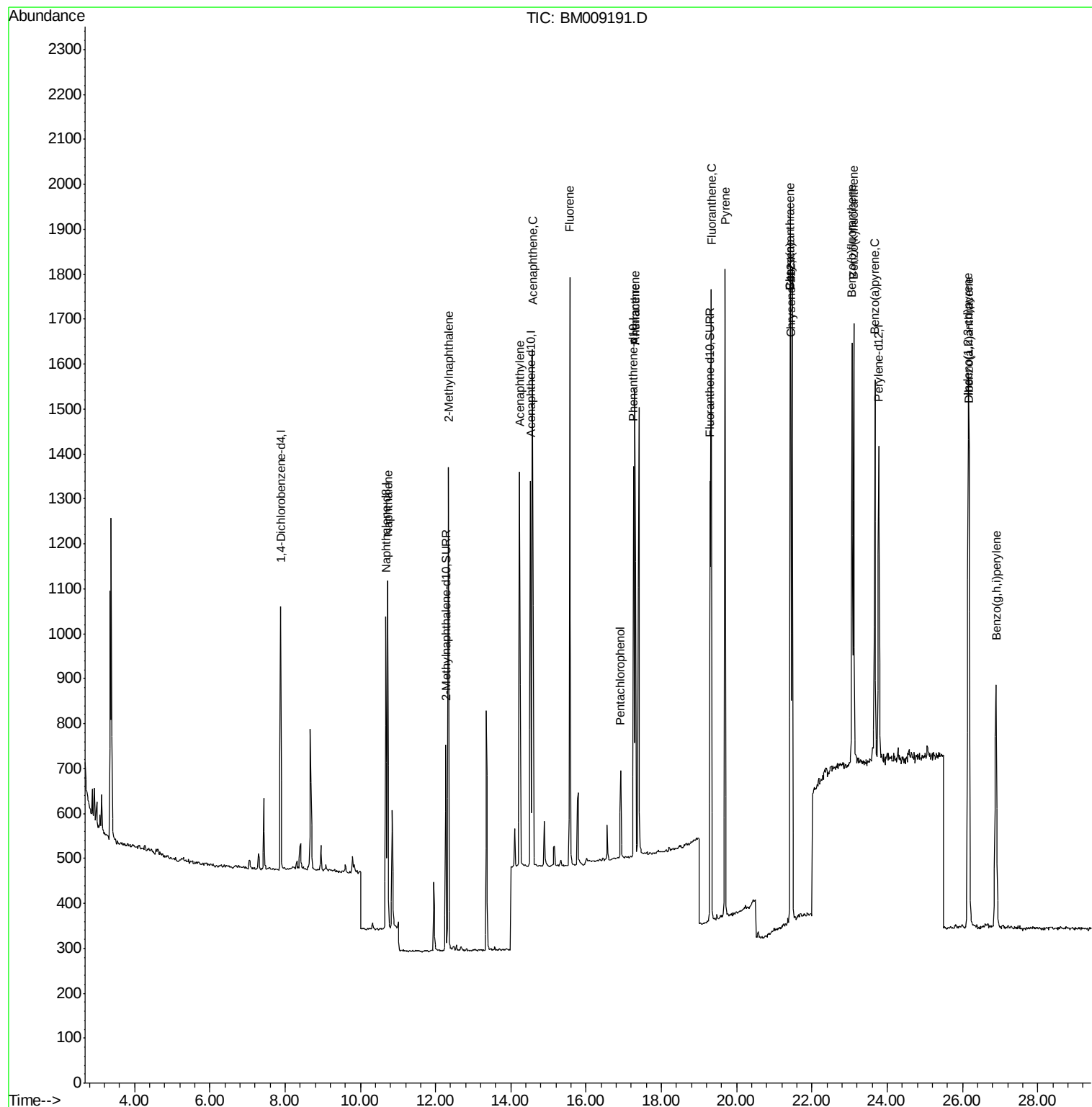
Target Compounds						Ovalue
3) Naphthalene	10.73	128	1061	0.40	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	740	0.39	ng/ul	99
7) Acenaphthylene	14.23	152	1089	0.42	ng/ul#	92
8) Acenaphthene	14.57	153	754	0.38	ng/ul	91
9) Fluorene	15.56	166	874	0.37	ng/ul#	83
11) Pentachlorophenol	16.92	266	157	0.30	ng/ul	92
12) Phenanthrene	17.30	178	1345	0.39	ng/ul	93
13) Anthracene	17.30	178	1345	0.40	ng/ul	94
15) Fluoranthene	19.33	202	1575	0.35	ng/ul	93
17) Pyrene	19.69	202	1613	0.48	ng/ul#	95
18) Benzo(a)anthracene	21.42	228	1416	0.43	ng/ul	94
19) Chrysene	21.42	228	1416	0.46	ng/ul	96
21) Benzo(b)fluoranthene	23.07	252	1439	0.40	ng/ul	92
22) Benzo(k)fluoranthene	23.11	252	1314	0.41	ng/ul	93
23) Benzo(a)pyrene	23.67	252	1352	0.42	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.15	276	1598	0.39	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.17	278	1322	0.38	ng/ul	94
26) Benzo(g,h,i)perylene	26.89	276	1327	0.38	ng/ul	91

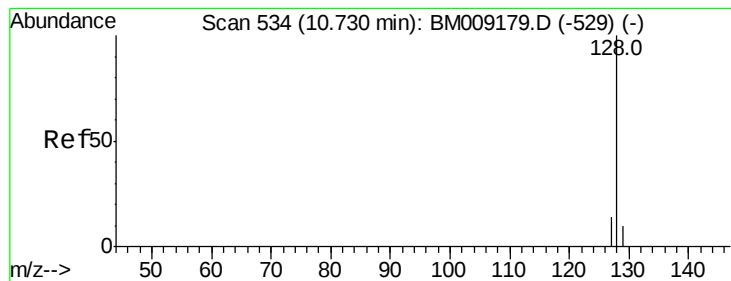
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

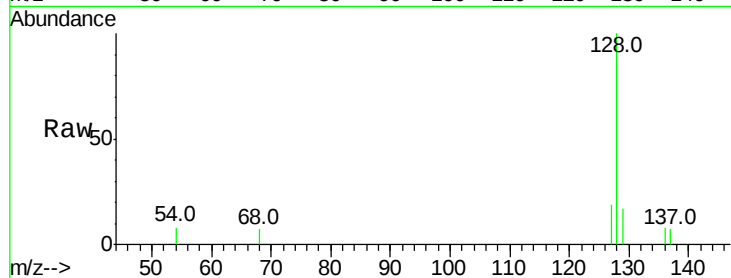
Tot Ion:128 Resp: 1061

Ion Ratio Lower Upper

128 100

129 17.4 11.3 16.9#

127 18.8 12.8 19.2



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

10.73

800

600

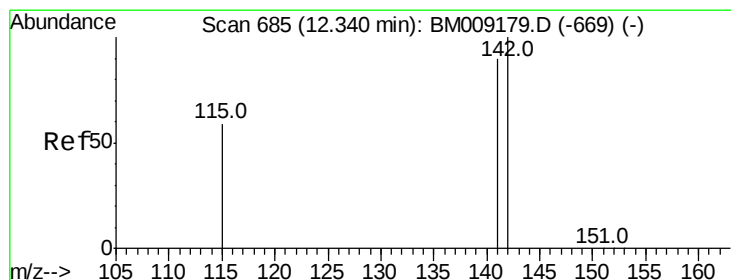
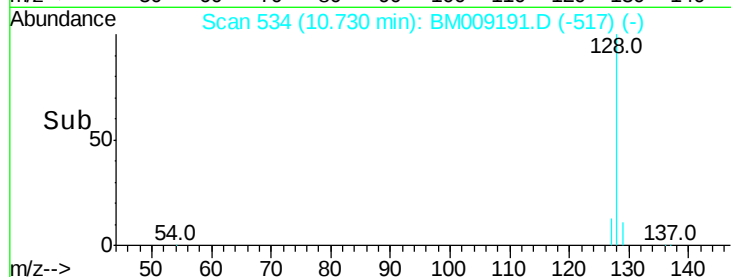
400

200

0

10.60 10.70 10.80

Time-->



#5

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009191.D

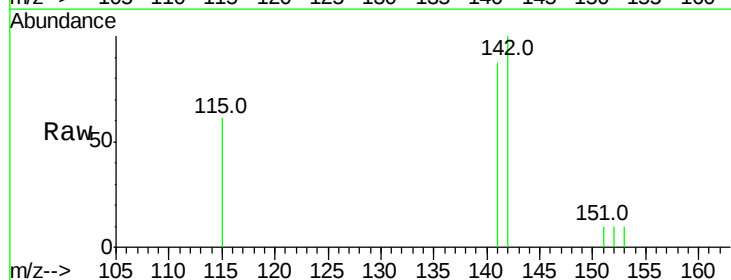
Acq: 11 Mar 2017 00:44

Tgt Ion:142 Resp: 740

Ion Ratio Lower Upper

142 100

141 91.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.34

500

400

300

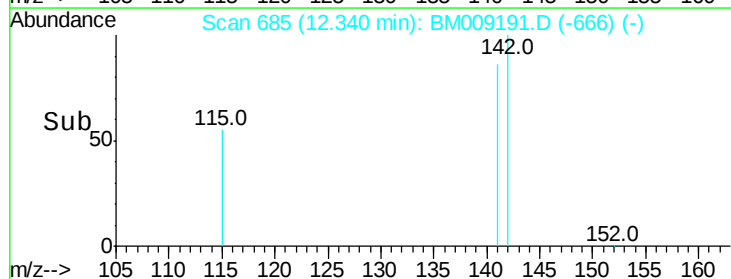
200

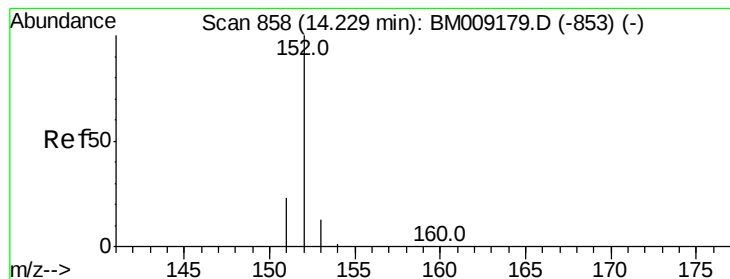
100

0

12.30 12.40

Time-->





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

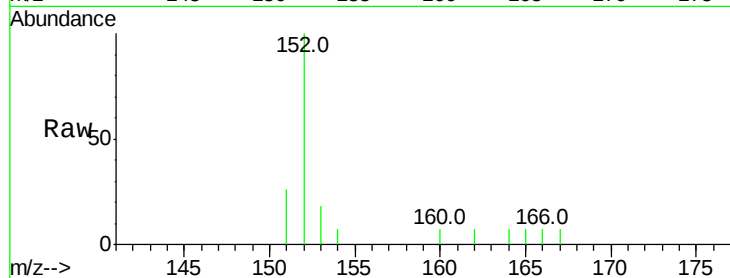
Tot Ion:152 Resp: 1089

Ion Ratio Lower Upper

152 100

151 26.5 17.1 25.7#

153 18.2 12.8 19.2



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

14.23

800

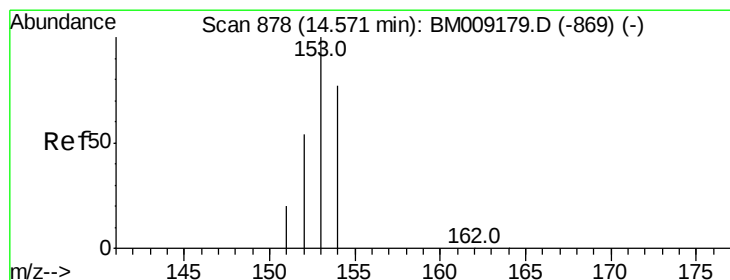
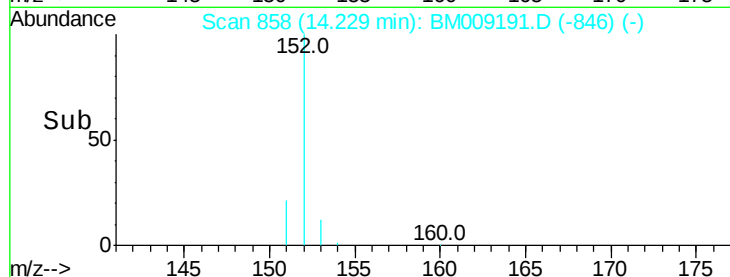
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.38 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

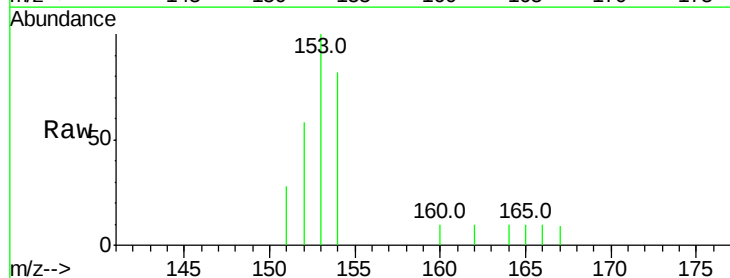
Tgt Ion:153 Resp: 754

Ion Ratio Lower Upper

153 100

152 58.3 40.3 60.5

154 82.2 71.4 107.2



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

14.57

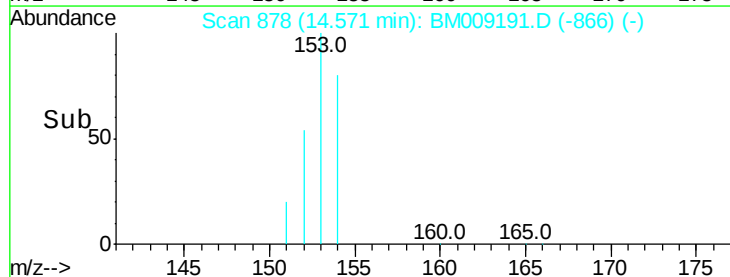
600

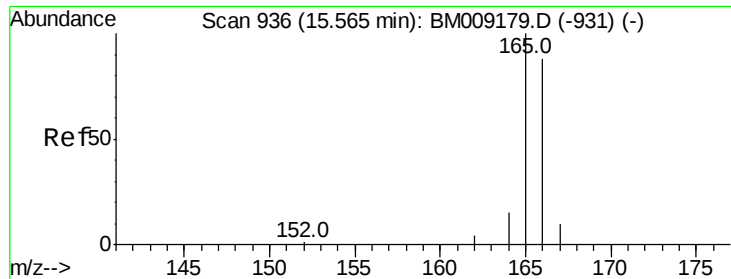
400

200

0

Time-->





#9

Fluorene

Concen: 0.37 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

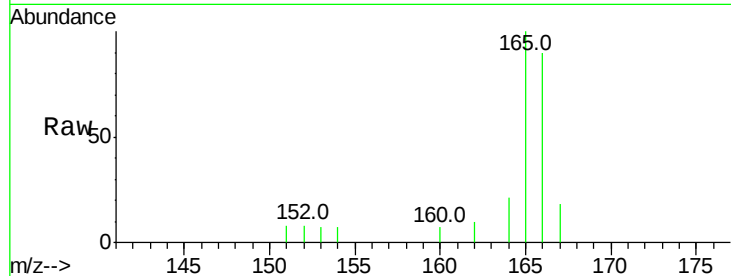
Tot Ion:166 Resp: 874

Ion Ratio Lower Upper

166 100

165 111.1 73.4 110.2#

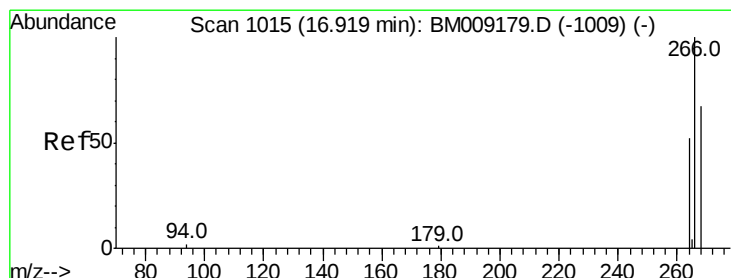
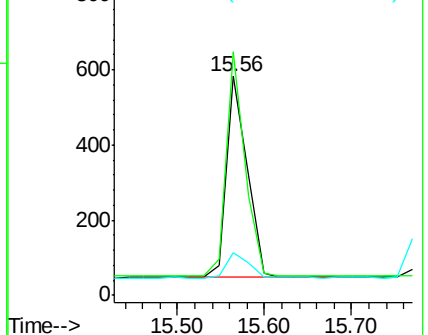
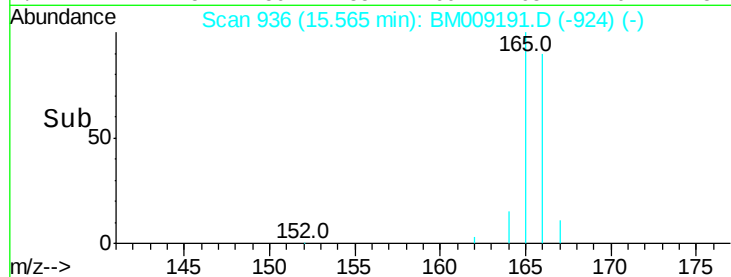
167 19.6 14.6 22.0



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: 0.30 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

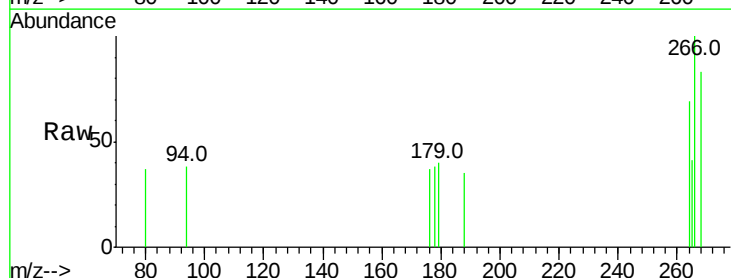
Tgt Ion:266 Resp: 157

Ion Ratio Lower Upper

266 100

264 66.9 47.9 71.9

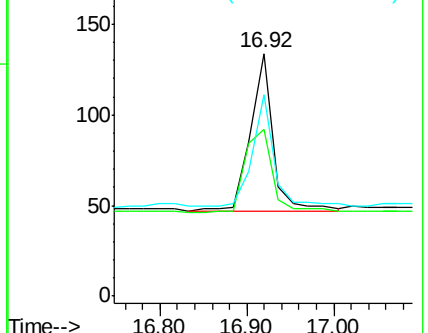
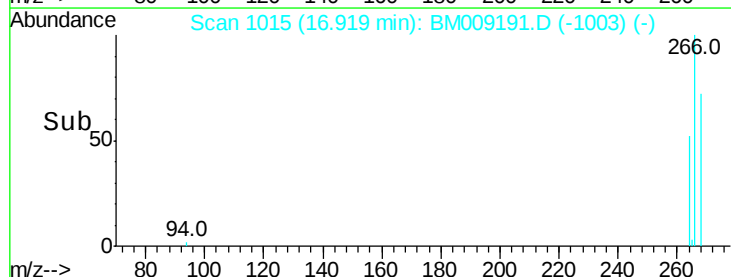
268 68.2 49.8 74.8

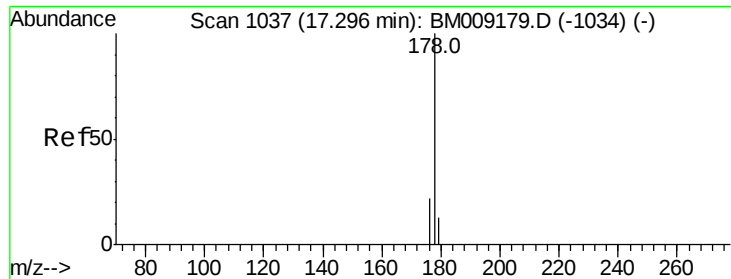


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

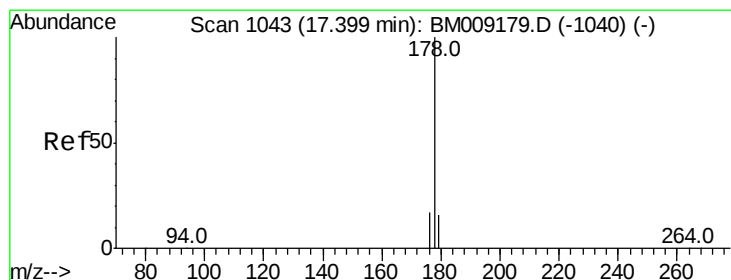
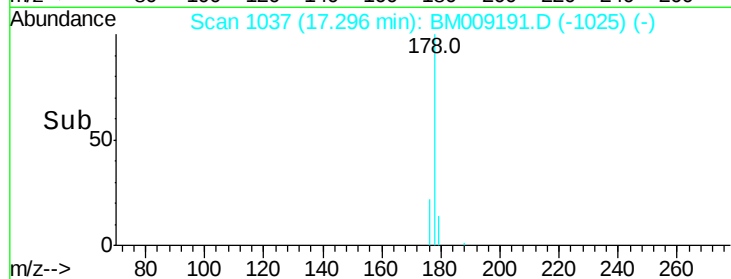
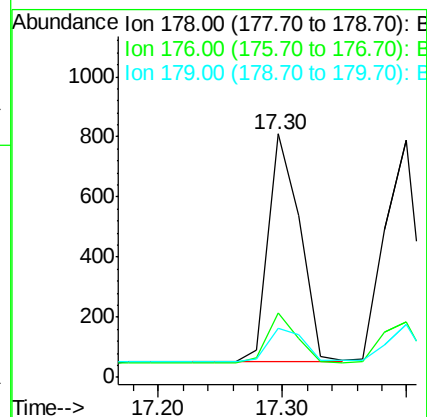
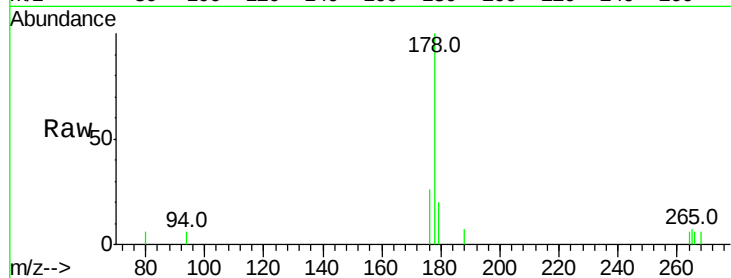
Tot Ion:178 Resp: 1345

Ion Ratio Lower Upper

178 100

176 26.4 18.4 27.6

179 20.0 13.6 20.4



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.10 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

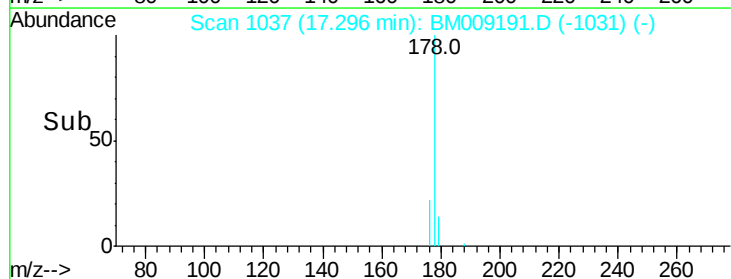
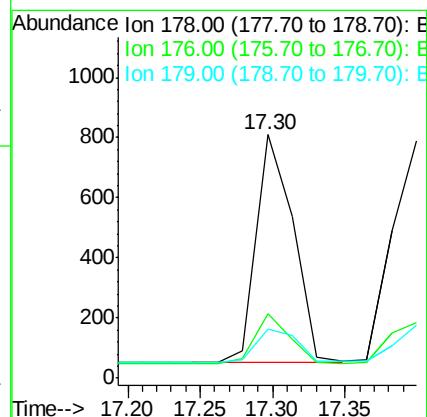
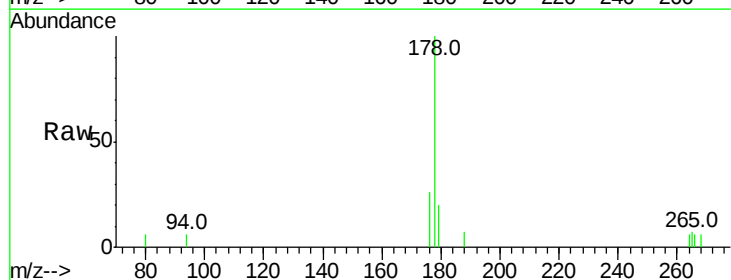
Tgt Ion:178 Resp: 1345

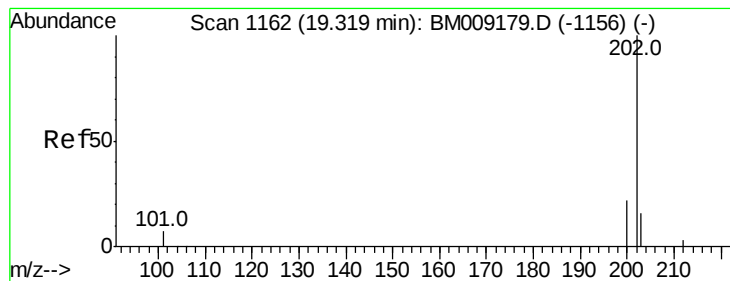
Ion Ratio Lower Upper

178 100

176 26.4 18.1 27.1

179 20.0 14.7 22.1





#15

Fluoranthene

Concen: 0.35 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

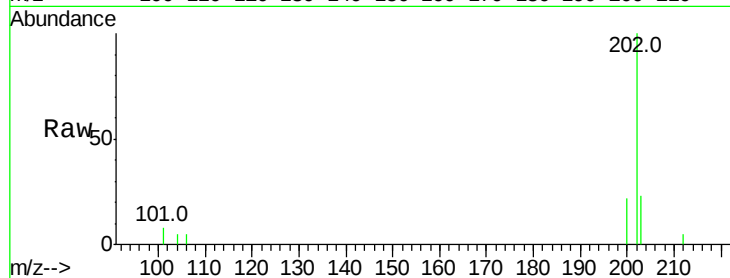
Tot Ion:202 Resp: 1575

Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.3

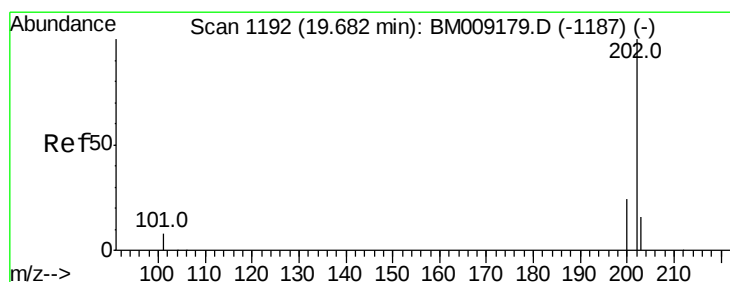
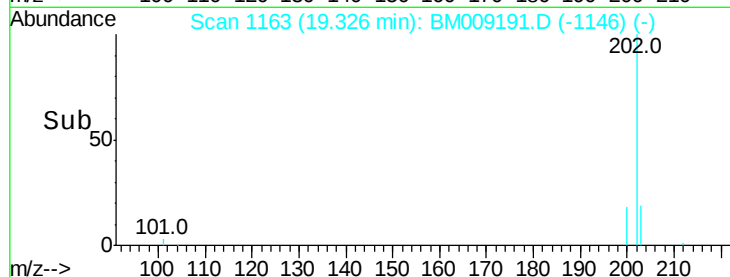
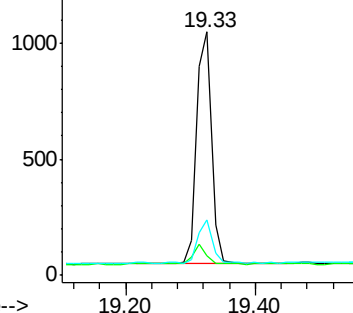
203 22.7 0.0 39.5



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: 0.48 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

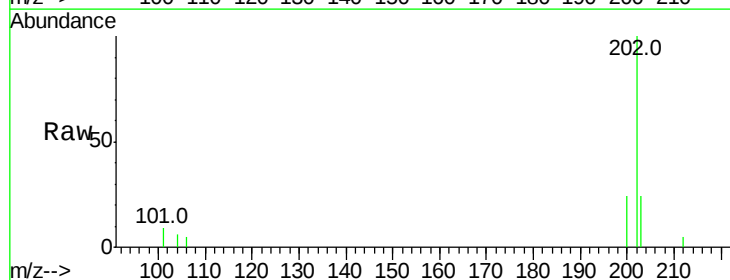
Tgt Ion:202 Resp: 1613

Ion Ratio Lower Upper

202 100

200 23.6 18.2 27.4

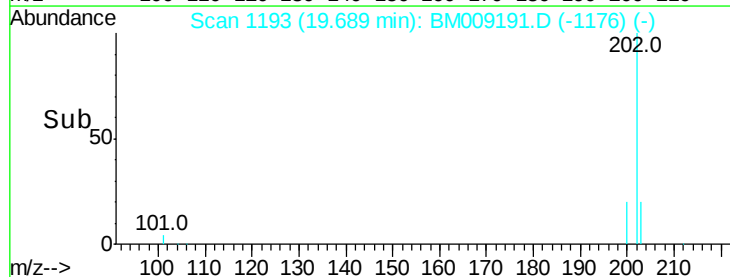
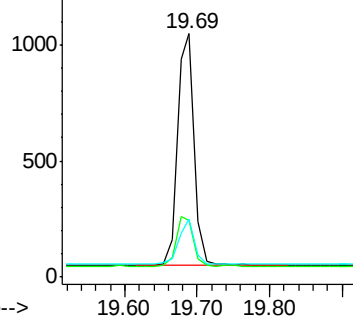
203 23.9 15.6 23.4#

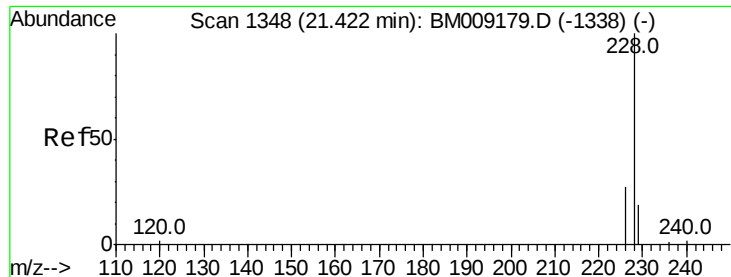


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampled :

SSTD0.456

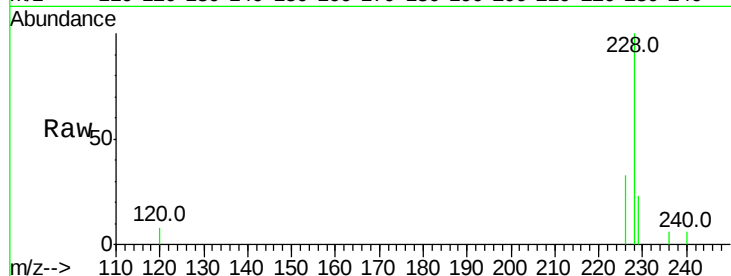
Tot Ion:228 Resp: 1416

Ion Ratio Lower Upper

228 100

226 32.5 22.8 34.2

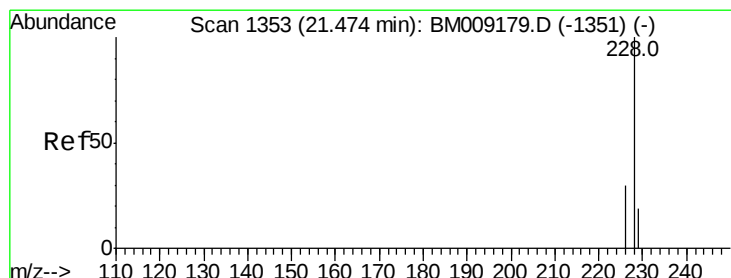
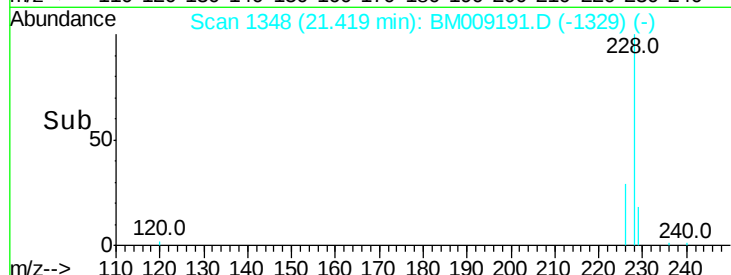
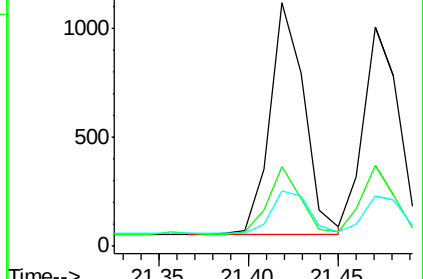
229 22.8 17.0 25.6



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



#19

Chrysene

Concen: 0.46 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.06 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

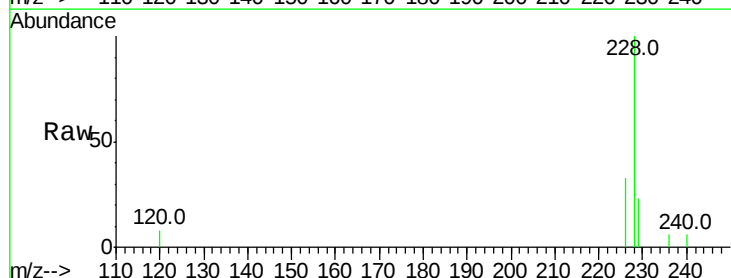
Tgt Ion:228 Resp: 1416

Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.0

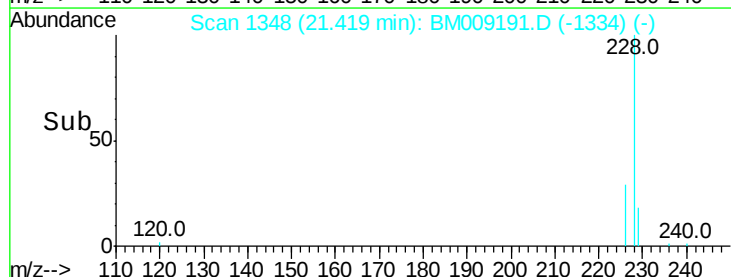
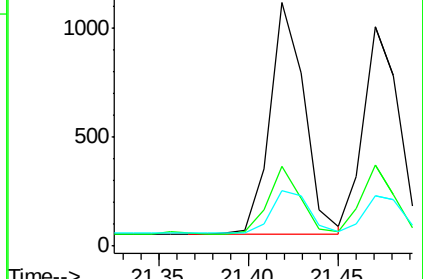
229 22.8 17.7 26.5

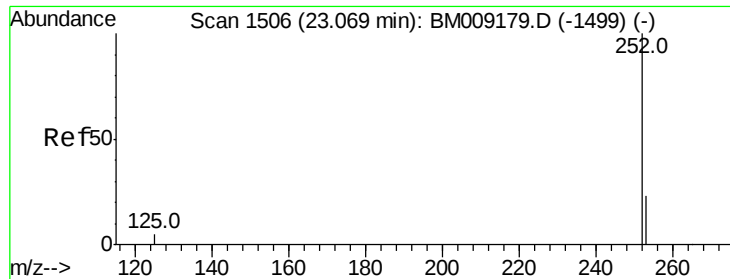


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

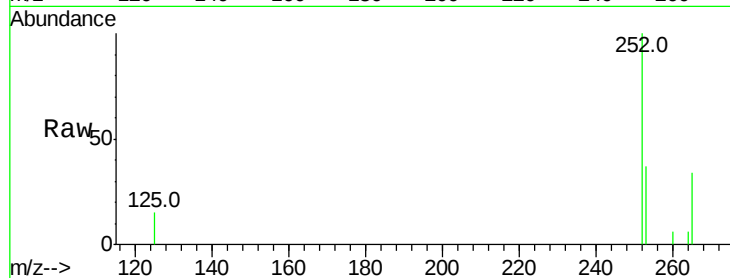
Tot Ion:252 Resp: 1439

Ion Ratio Lower Upper

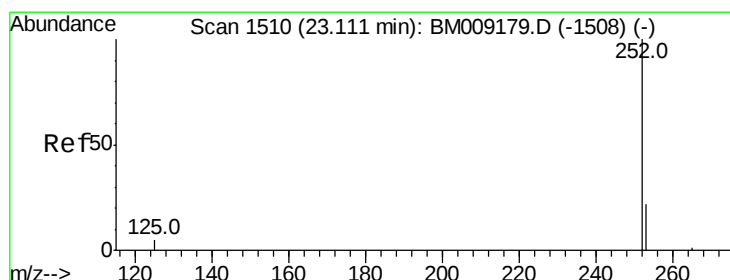
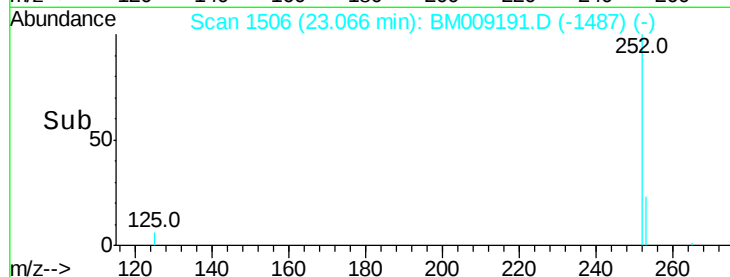
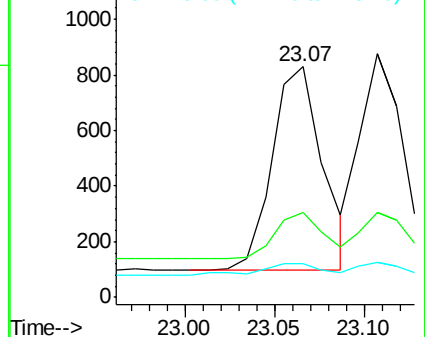
252 100

253 37.1 0.0 64.2

125 14.9 0.0 35.0



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: 0.41 ng/ul

RT: 23.11 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

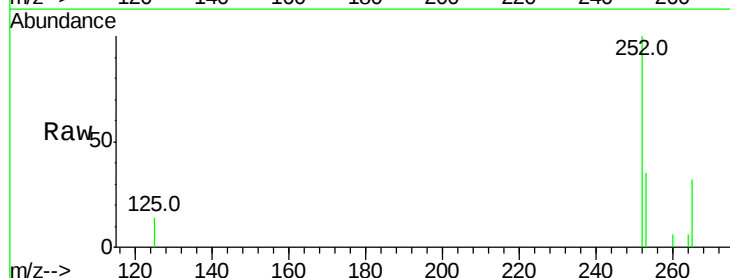
Tgt Ion:252 Resp: 1314

Ion Ratio Lower Upper

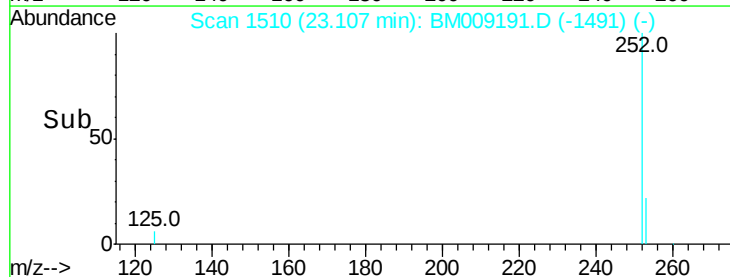
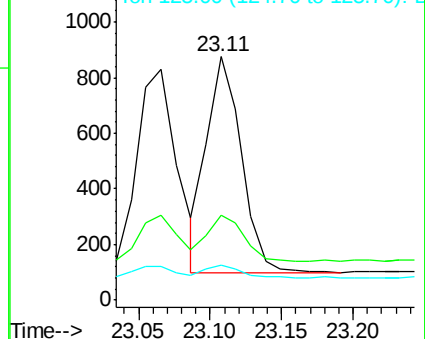
252 100

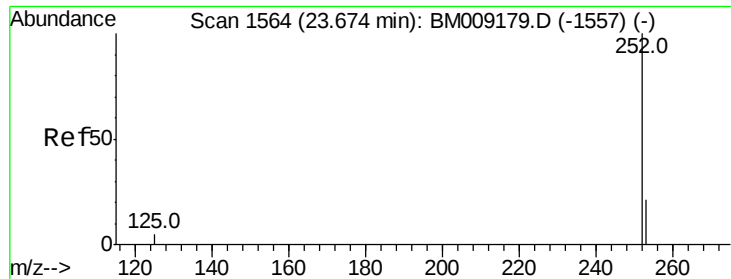
253 34.7 24.5 36.7

125 14.3 13.7 20.5



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: 0.42 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

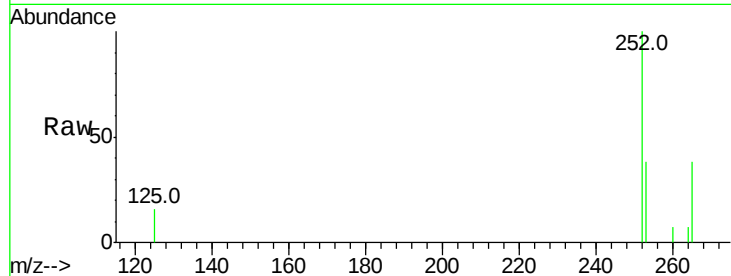
Tot Ion:252 Resp: 1352

Ion Ratio Lower Upper

252 100

253 37.6 28.5 42.7

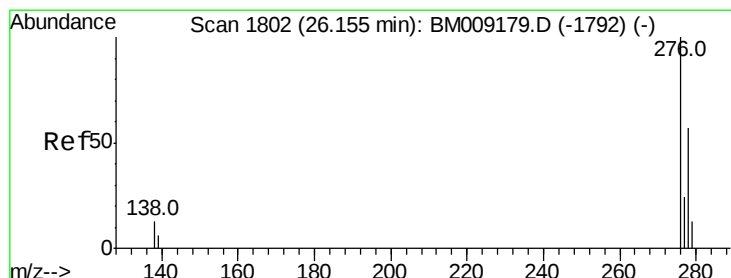
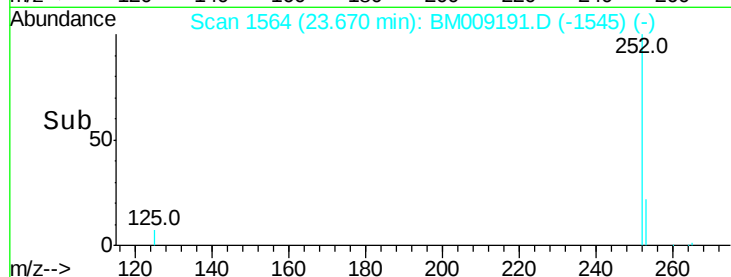
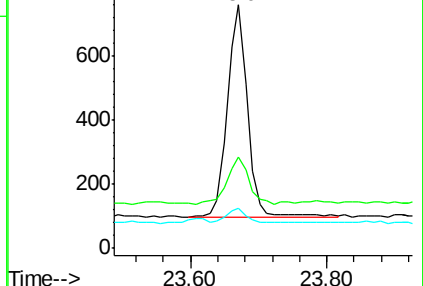
125 16.2 18.1 27.1#



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: 0.39 ng/ul

RT: 26.15 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

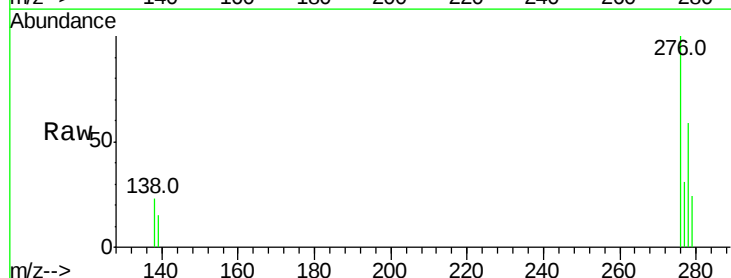
Tgt Ion:276 Resp: 1598

Ion Ratio Lower Upper

276 100

138 14.5 19.1 28.7#

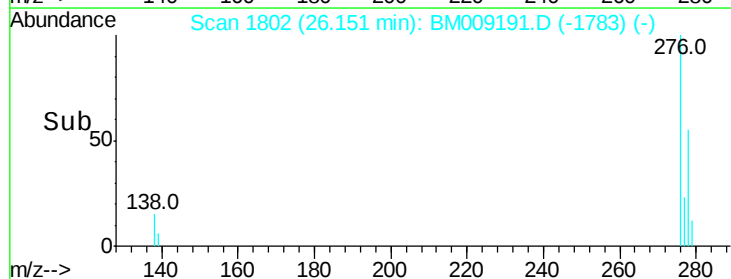
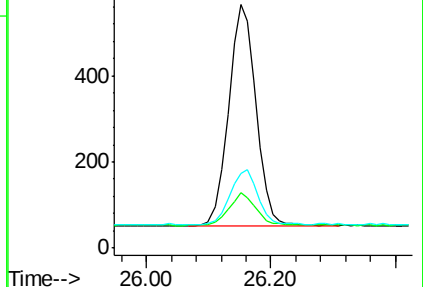
277 24.9 19.6 29.4

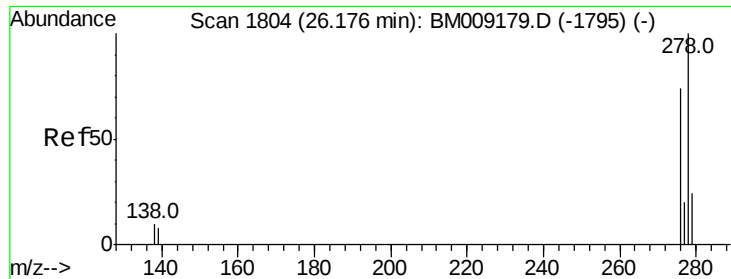


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.38 ng/ul

RT: 26.17 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

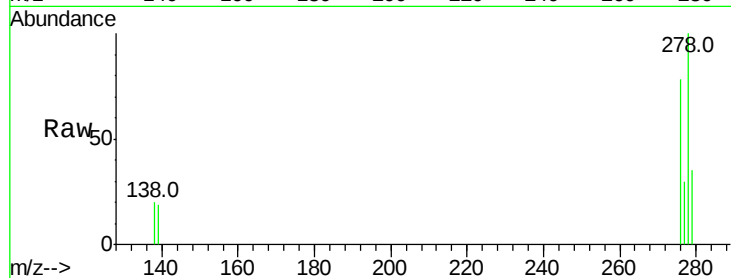
Tot Ion:278 Resp: 1322

Ion Ratio Lower Upper

278 100

139 18.6 17.4 26.0

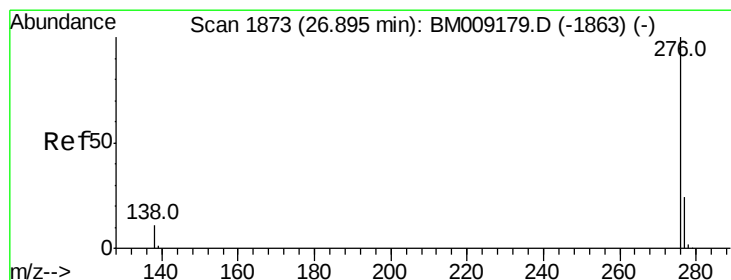
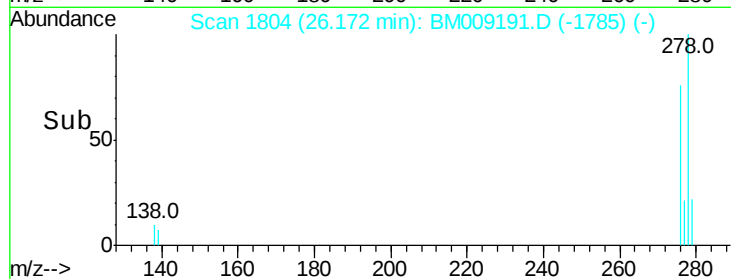
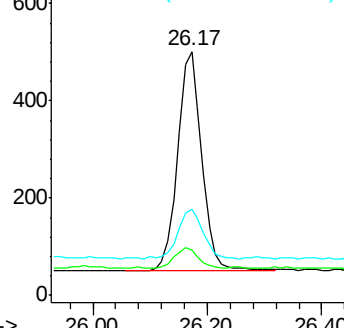
279 35.3 25.9 38.9



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: 0.38 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009191.D

Acq: 11 Mar 2017 00:44

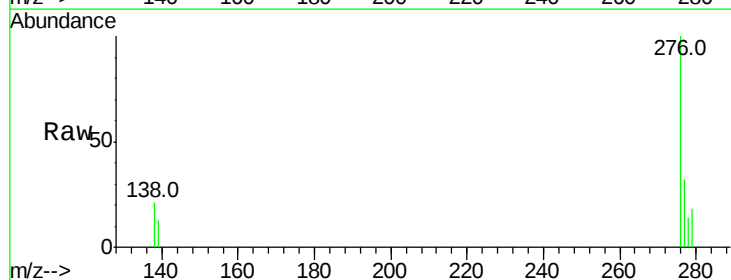
Tgt Ion:276 Resp: 1327

Ion Ratio Lower Upper

276 100

277 32.0 21.8 32.8

138 21.0 20.5 30.7



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

