

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009152.D
 Acq On : 09 Mar 2017 19:09
 Operator : SJ/MA
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.452

Quant Time: Mar 10 02:52:27 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 02:52:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	191	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	600	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	318	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	732	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	738	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	711	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	376	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	871	0.38	ng/ul	0.00

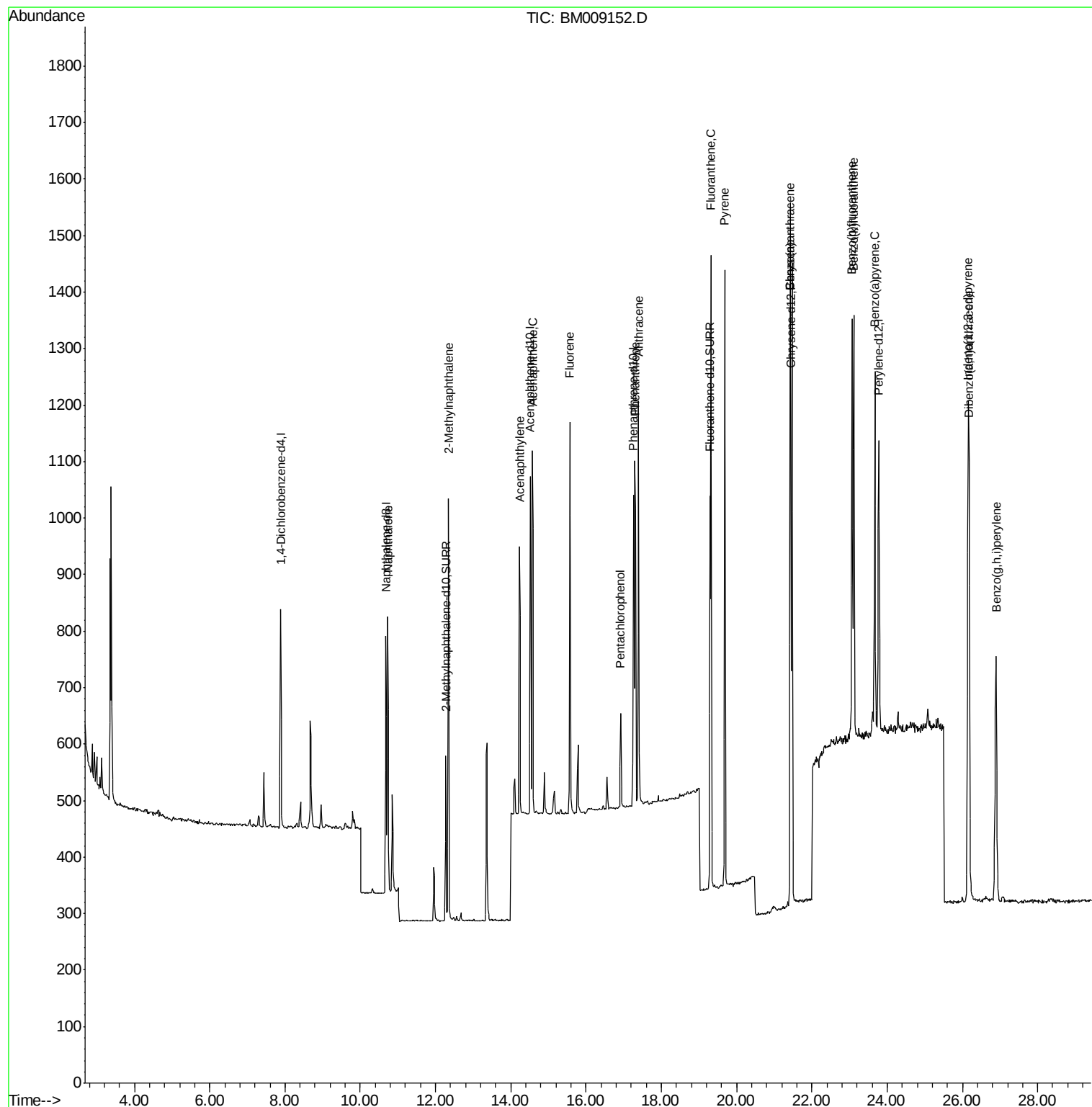
Target Compounds				Ovalue		
3) Naphthalene	10.73	128	686	0.40	ng/ul#	85
5) 2-Methylnaphthalene	12.34	142	473	0.38	ng/ul	100
7) Acenaphthylene	14.23	152	674	0.41	ng/ul#	82
8) Acenaphthene	14.57	153	492	0.39	ng/ul#	87
9) Fluorene	15.56	166	581	0.39	ng/ul#	82
11) Pentachlorophenol	16.92	266	137	0.39	ng/ul	98
12) Phenanthrene	17.30	178	910	0.40	ng/ul#	86
13) Anthracene	17.40	178	873	0.38	ng/ul#	93
15) Fluoranthene	19.32	202	1124	0.37	ng/ul	97
17) Pyrene	19.68	202	1133	0.45	ng/ul#	93
18) Benzo(a)anthracene	21.42	228	1059	0.43	ng/ul	96
19) Chrysene	21.42	228	1059	0.46	ng/ul	97
21) Benzo(b)fluoranthene	23.07	252	1146	0.41	ng/ul	90
22) Benzo(k)fluoranthene	23.11	252	1006	0.41	ng/ul	91
23) Benzo(a)pyrene	23.67	252	1020	0.41	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.15	276	1245	0.39	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.18	278	1014	0.38	ng/ul	91
26) Benzo(g,h,i)perylene	26.89	276	1050	0.39	ng/ul#	90

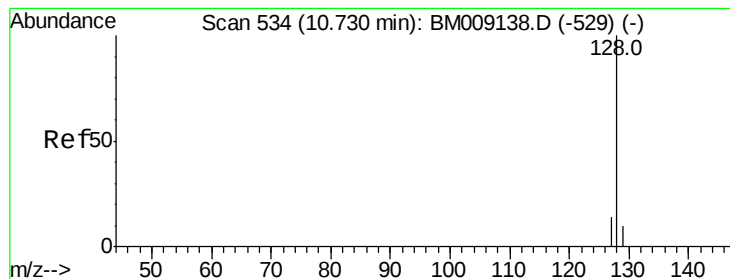
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

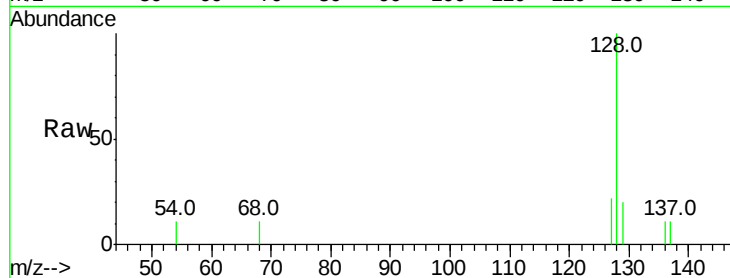
Tot Ion:128 Resp: 686

Ion Ratio Lower Upper

128 100

129 20.0 11.3 16.9#

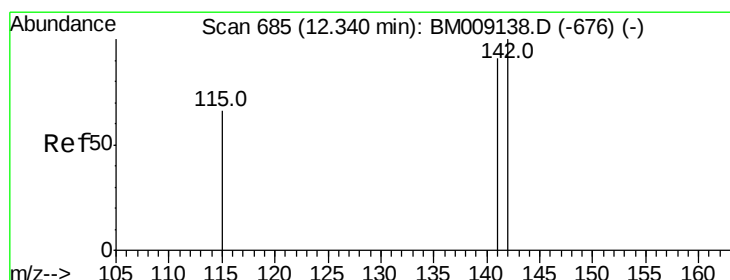
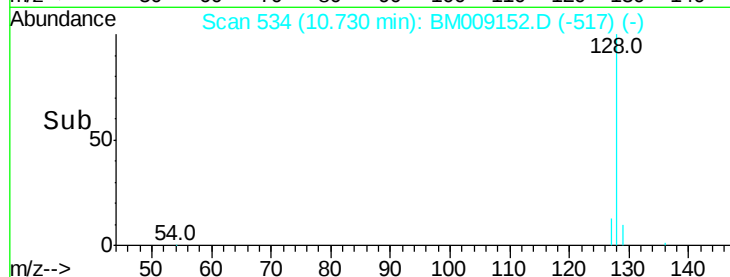
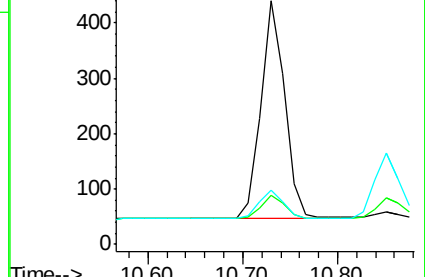
127 22.3 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM009152.D

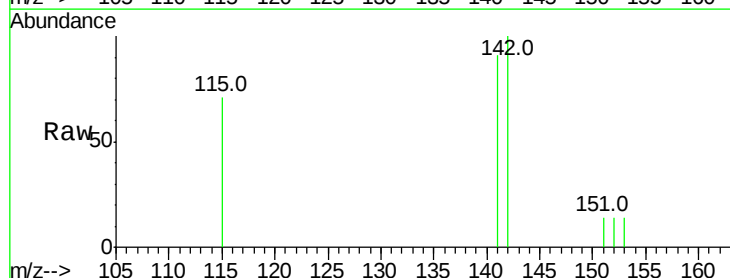
Acq: 09 Mar 2017 19:09

Tgt Ion:142 Resp: 473

Ion Ratio Lower Upper

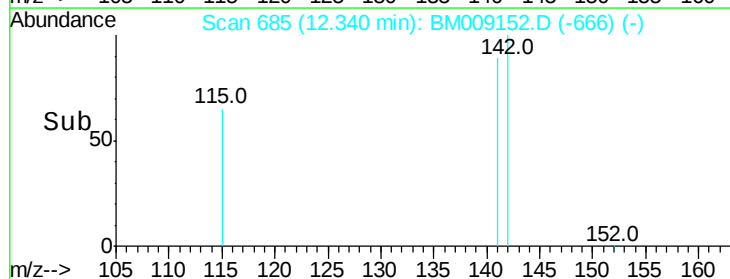
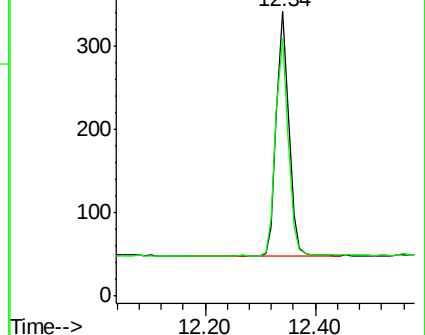
142 100

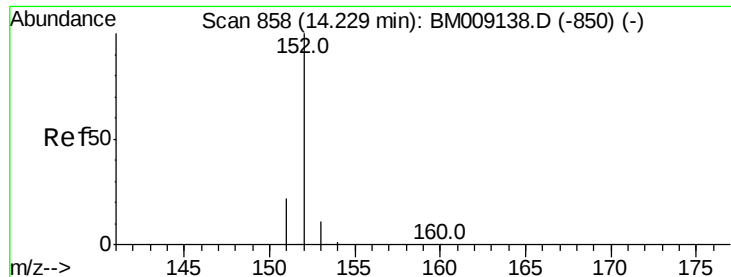
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

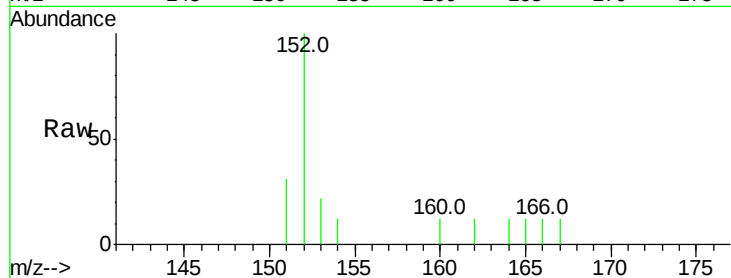
Tot Ion:152 Resp: 674

Ion Ratio Lower Upper

152 100

151 31.3 17.1 25.7#

153 22.1 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

400

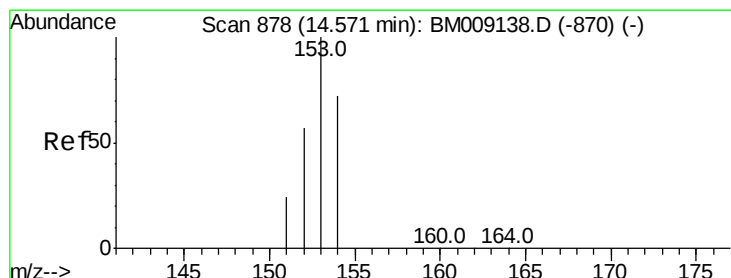
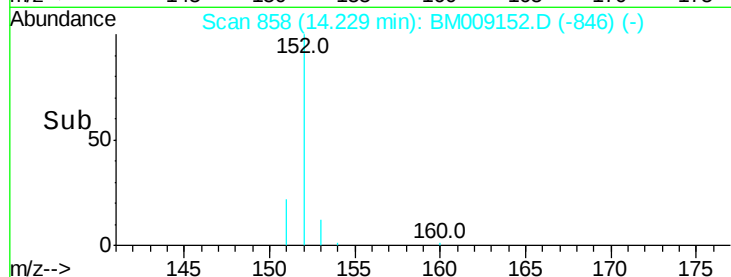
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. -0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

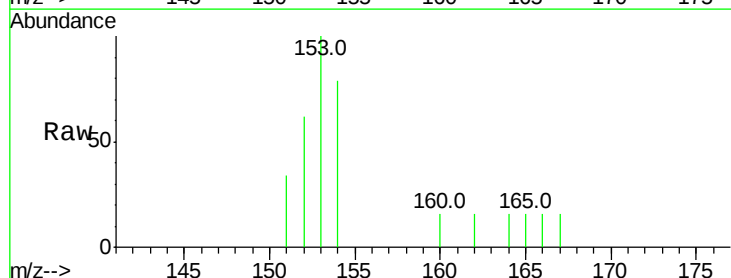
Tgt Ion:153 Resp: 492

Ion Ratio Lower Upper

153 100

152 61.9 40.3 60.5#

154 79.5 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

400

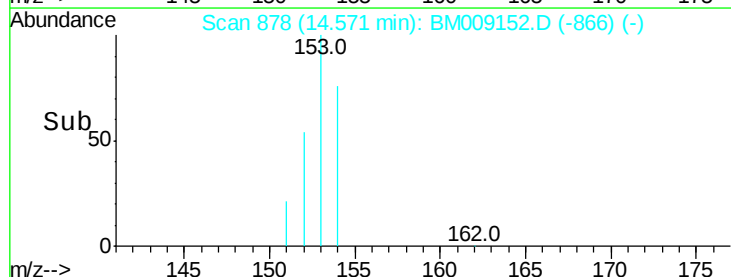
300

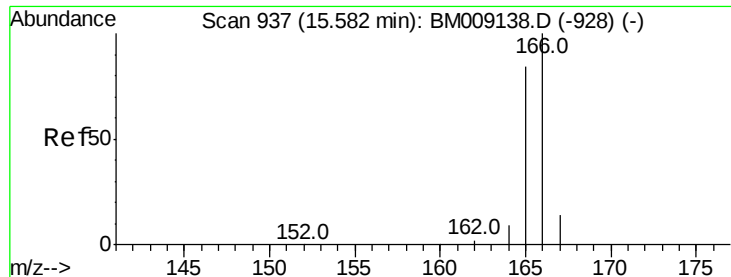
200

100

0

Time-->





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. -0.02 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

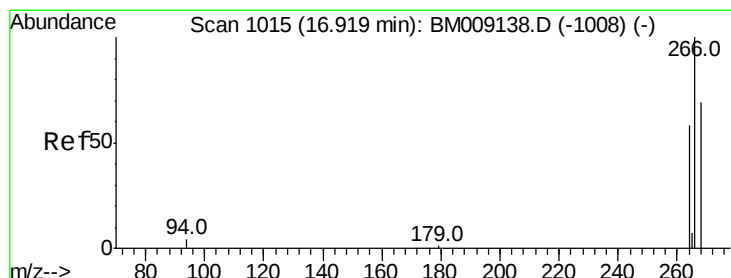
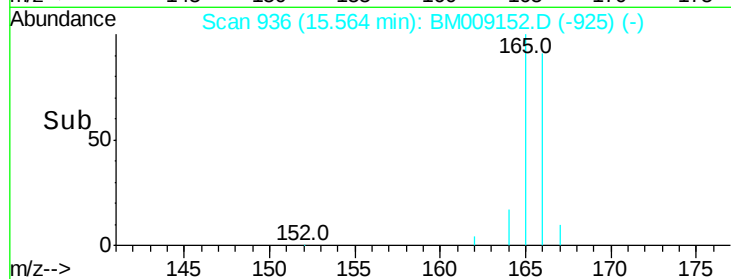
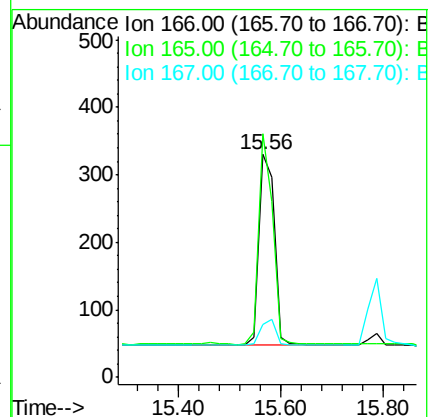
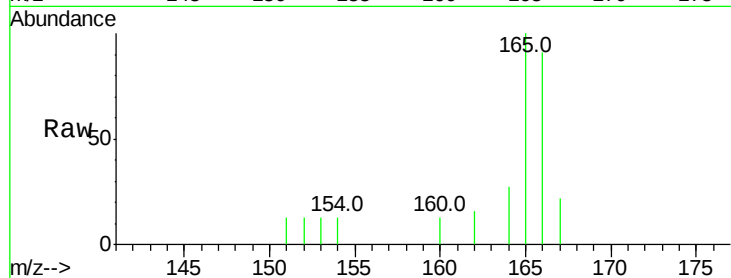
Tot Ion:166 Resp: 581

Ion Ratio Lower Upper

166 100

165 109.4 73.4 110.2

167 23.9 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.39 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

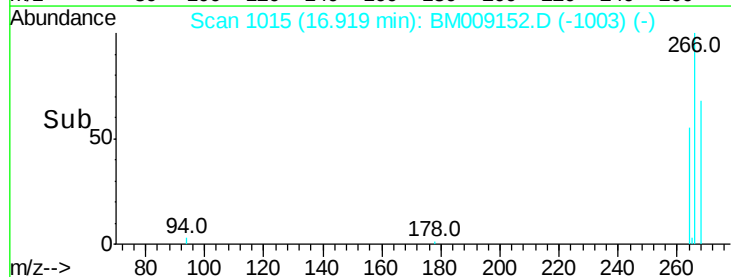
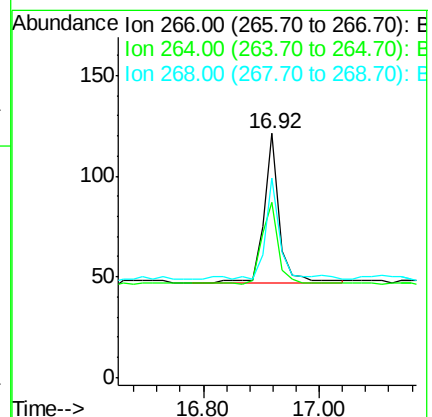
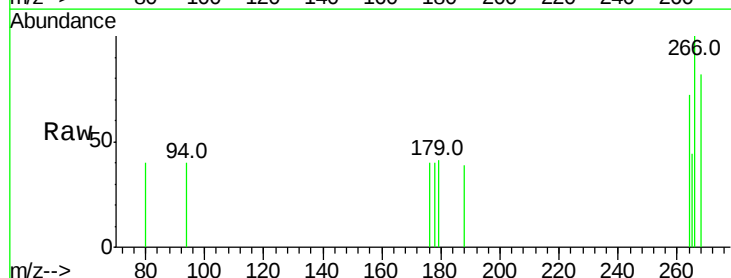
Tgt Ion:266 Resp: 137

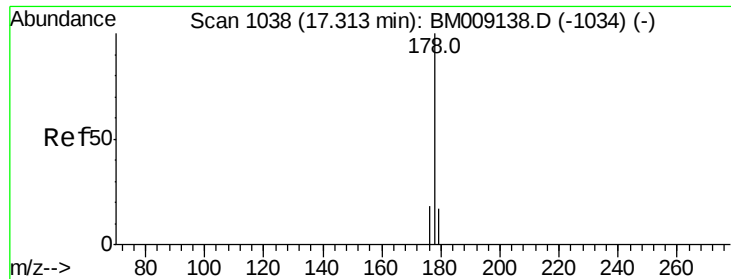
Ion Ratio Lower Upper

266 100

264 62.8 47.9 71.9

268 62.0 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

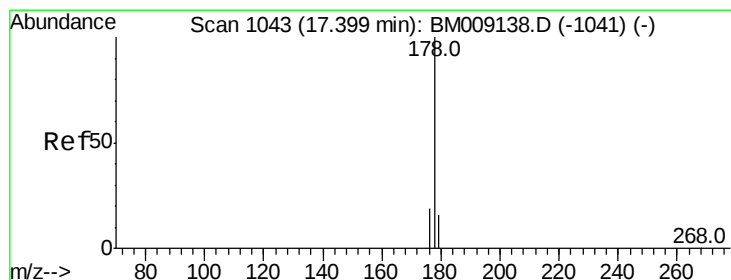
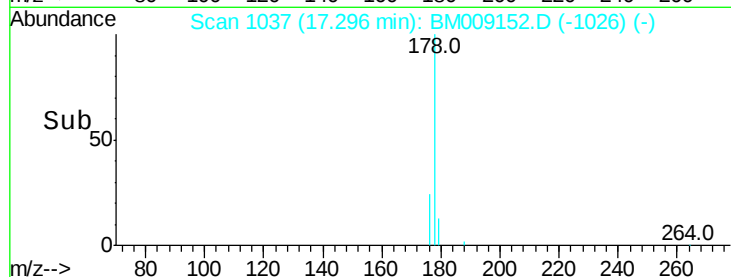
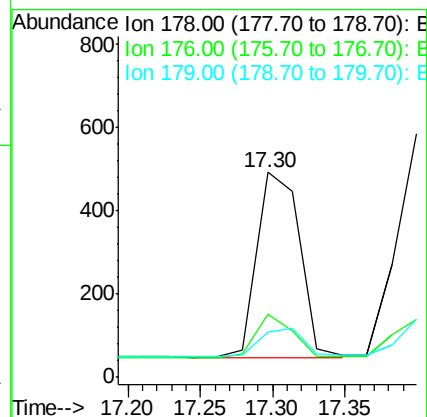
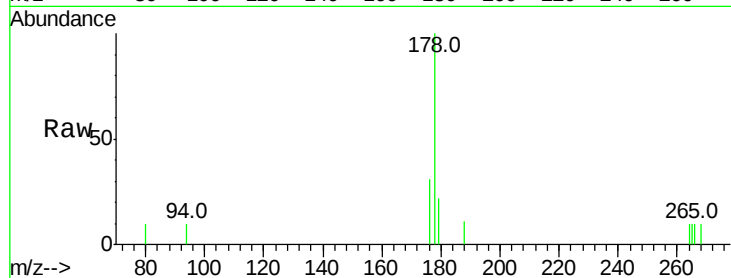
Tot Ion:178 Resp: 910

Ion Ratio Lower Upper

178 100

176 31.0 18.4 27.6#

179 21.8 13.6 20.4#



#13

Anthracene

Concen: 0.38 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

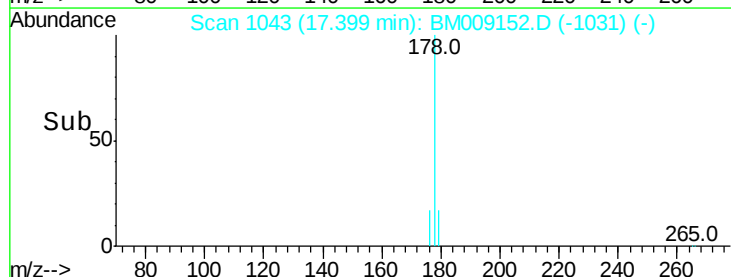
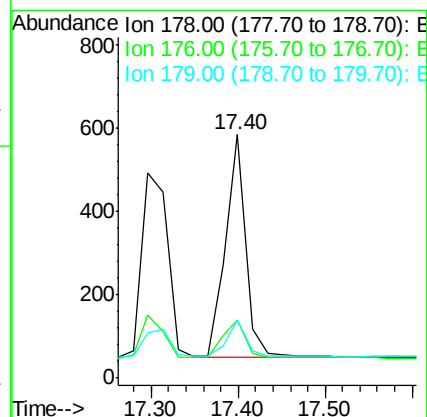
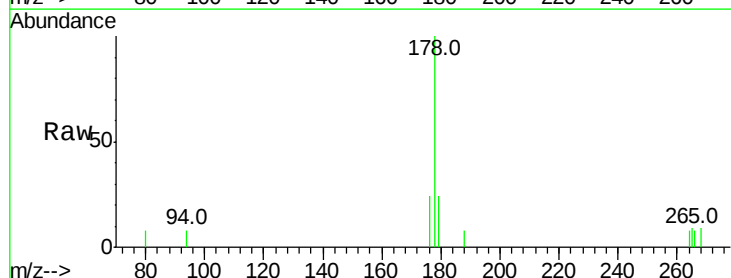
Tgt Ion:178 Resp: 873

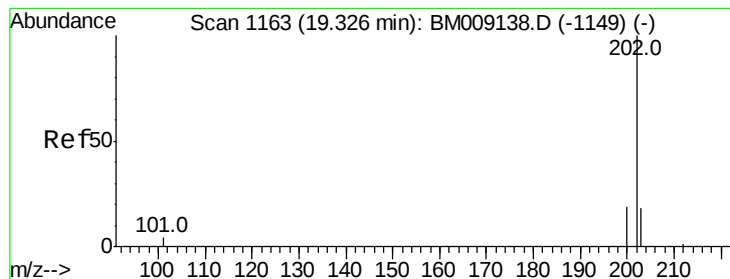
Ion Ratio Lower Upper

178 100

176 24.0 18.1 27.1

179 24.0 14.7 22.1#





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.32 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

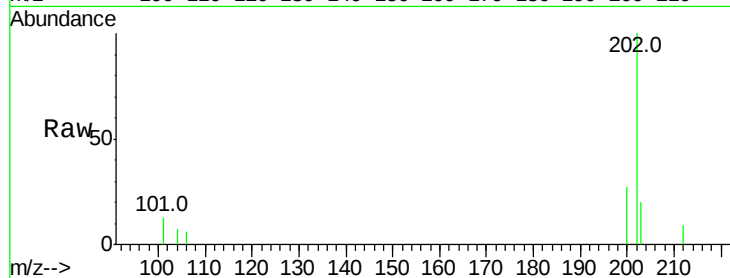
Tot Ion:202 Resp: 1124

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

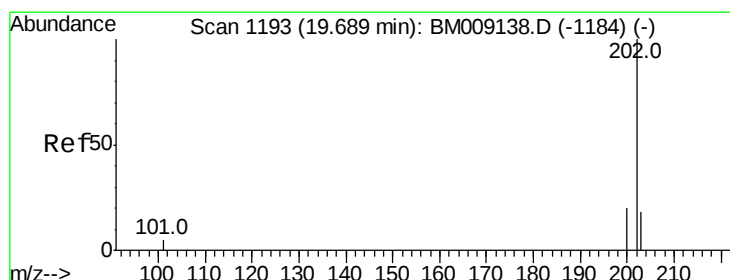
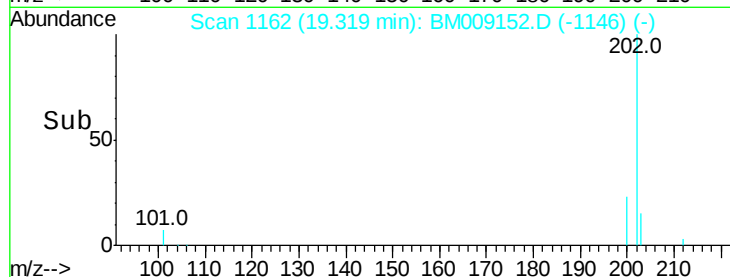
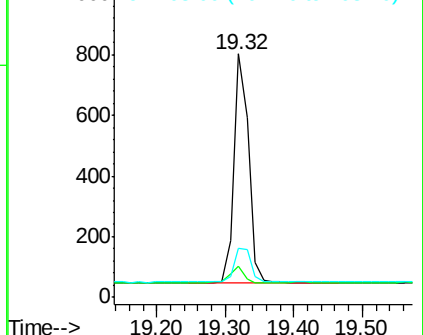
203 20.2 0.0 39.5



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: 0.45 ng/ul

RT: 19.68 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

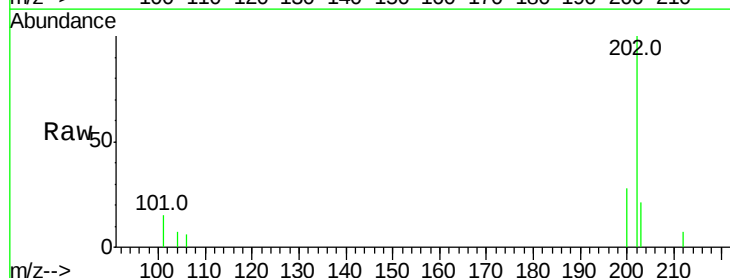
Tgt Ion:202 Resp: 1133

Ion Ratio Lower Upper

202 100

200 27.7 18.2 27.4#

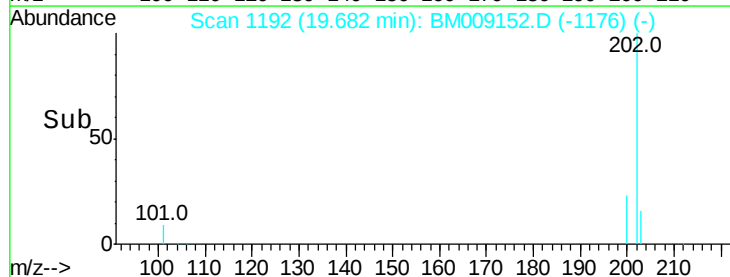
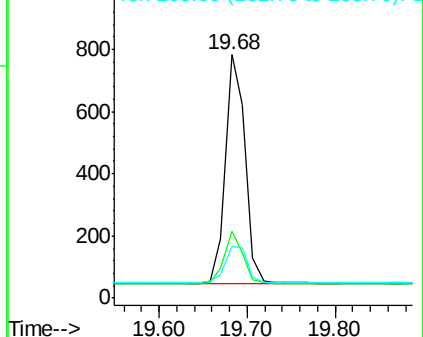
203 21.3 15.6 23.4

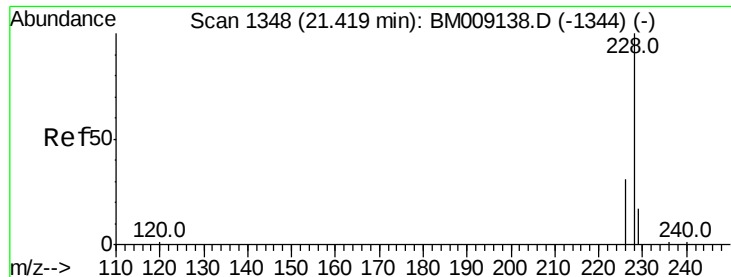


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

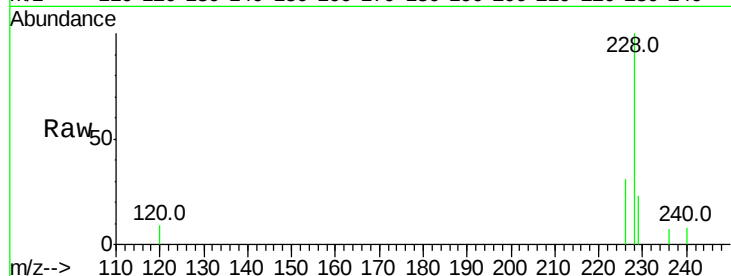
Tot Ion:228 Resp: 1059

Ion Ratio Lower Upper

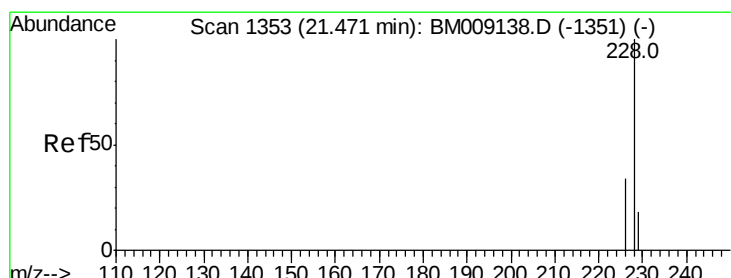
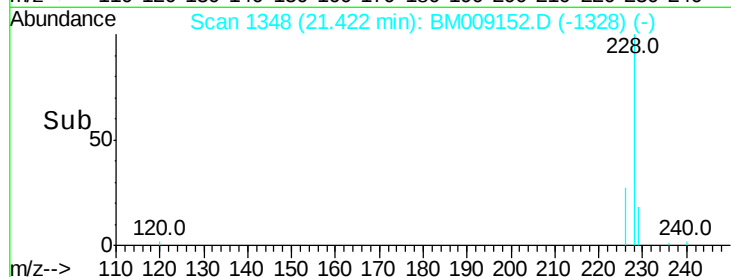
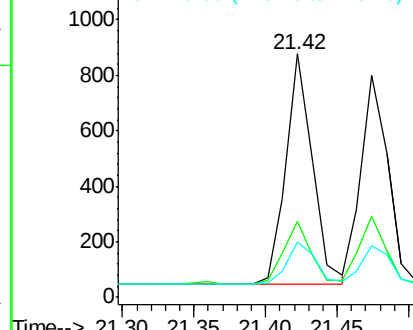
228 100

226 31.4 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. -0.05 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

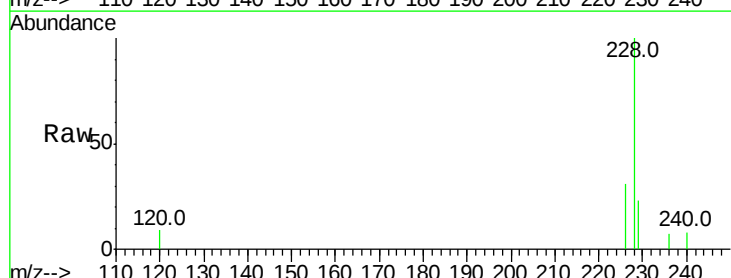
Tgt Ion:228 Resp: 1059

Ion Ratio Lower Upper

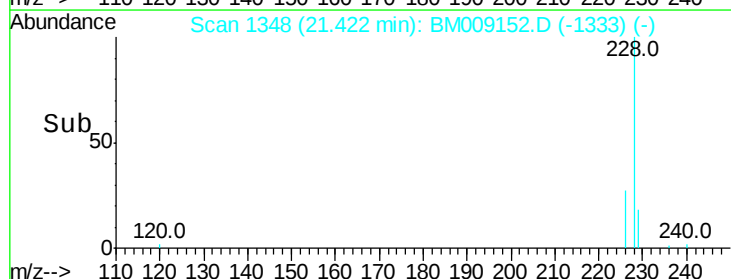
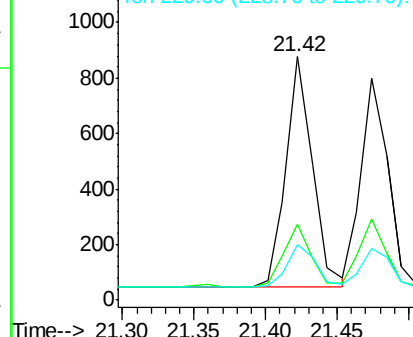
228 100

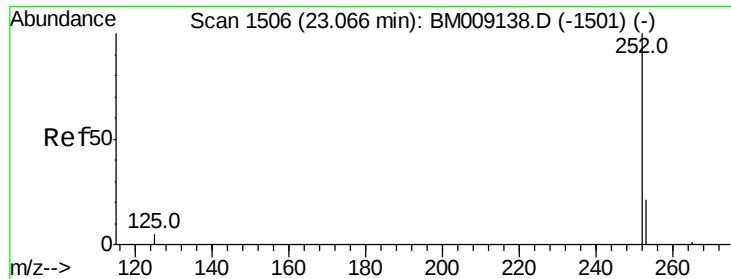
226 31.4 23.4 35.0

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: 0.41 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

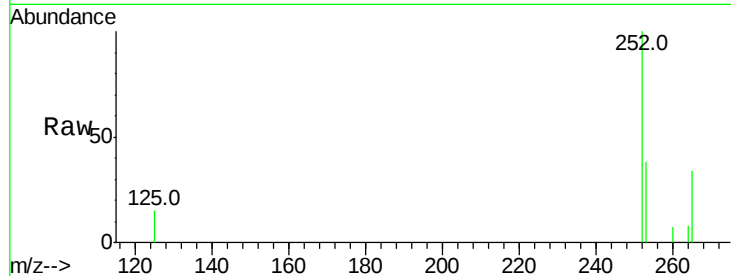
Tot Ion:252 Resp: 1146

Ion Ratio Lower Upper

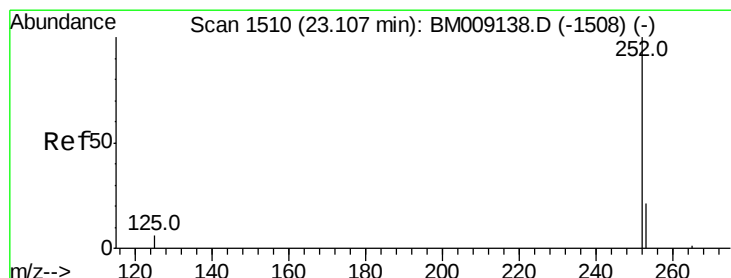
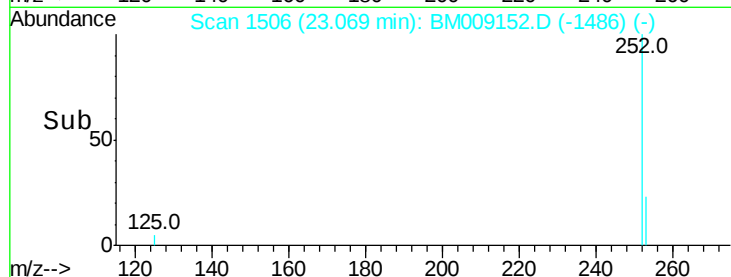
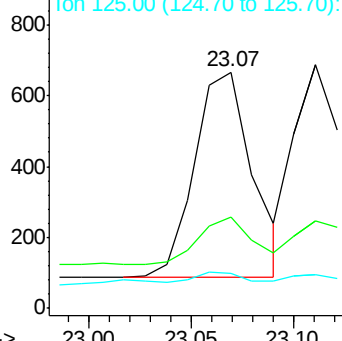
252 100

253 38.4 0.0 64.2

125 14.5 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: BM009152.D

Acq: 09 Mar 2017 19:09

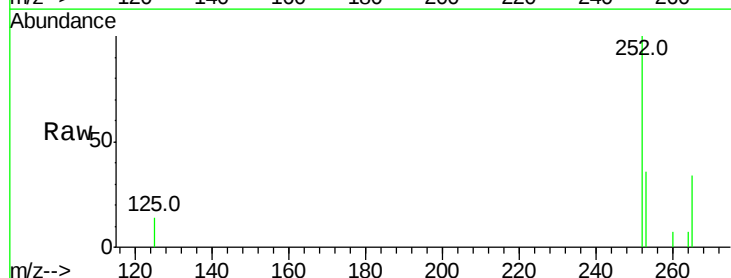
Tgt Ion:252 Resp: 1006

Ion Ratio Lower Upper

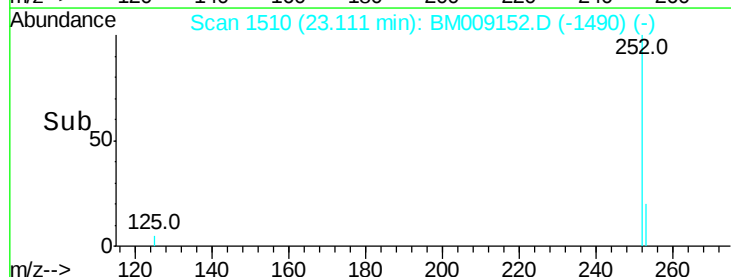
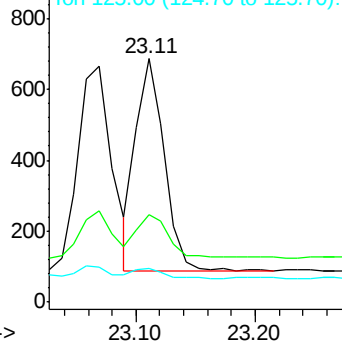
252 100

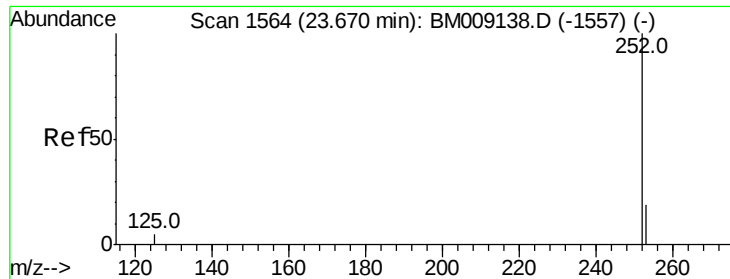
253 35.7 24.5 36.7

125 13.7 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: 0.41 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

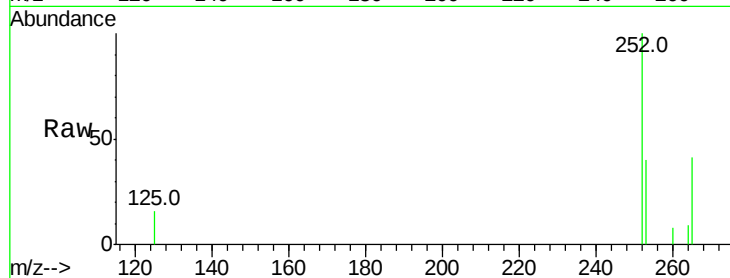
Tot Ion:252 Resp: 1020

Ion Ratio Lower Upper

252 100

253 40.0 28.5 42.7

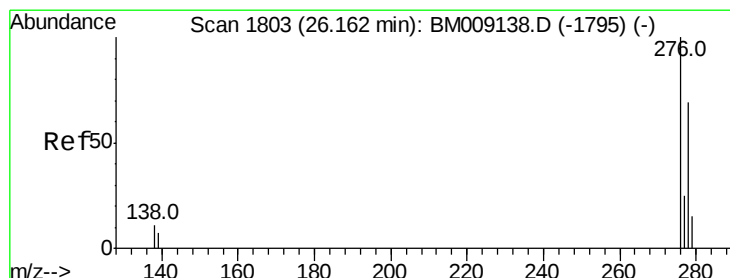
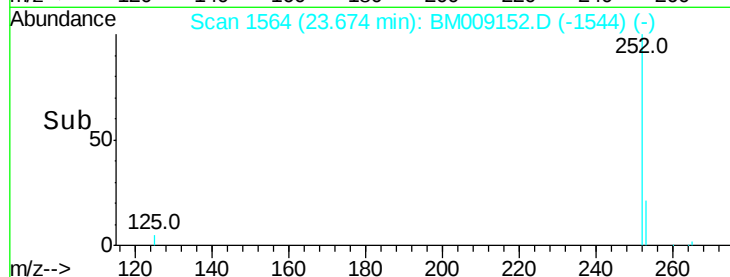
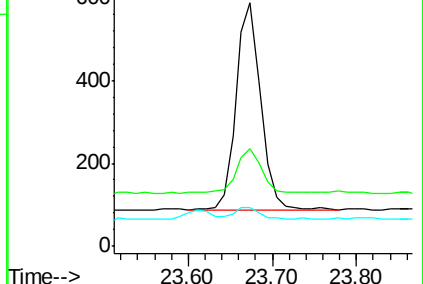
125 15.8 18.1 27.1#



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. -0.01 min

Lab File: BM009152.D

Acq: 09 Mar 2017 19:09

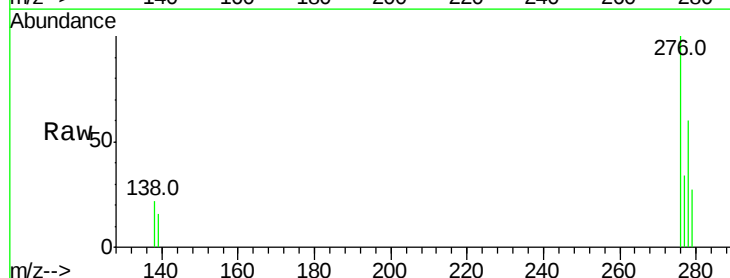
Tgt Ion:276 Resp: 1245

Ion Ratio Lower Upper

276 100

138 14.2 19.1 28.7#

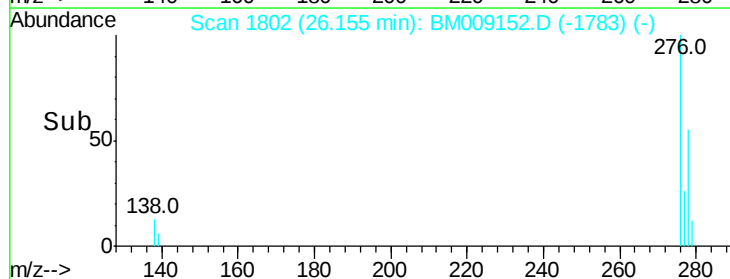
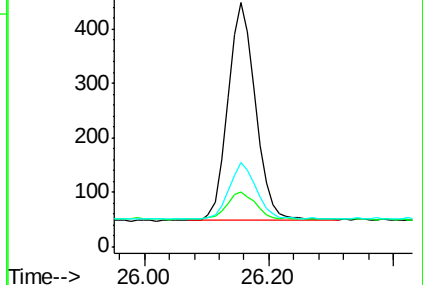
277 25.5 19.6 29.4

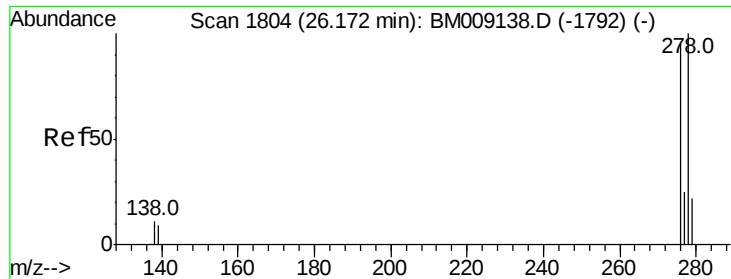


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



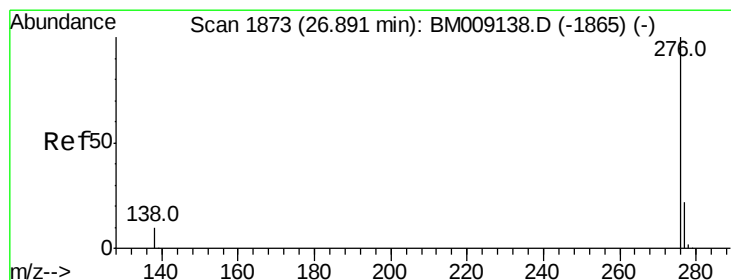
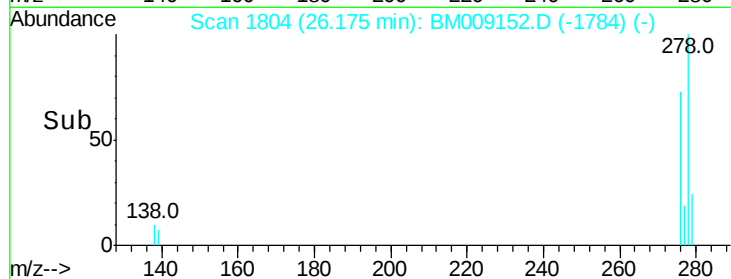
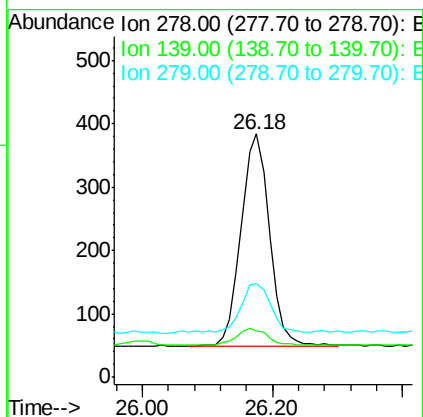
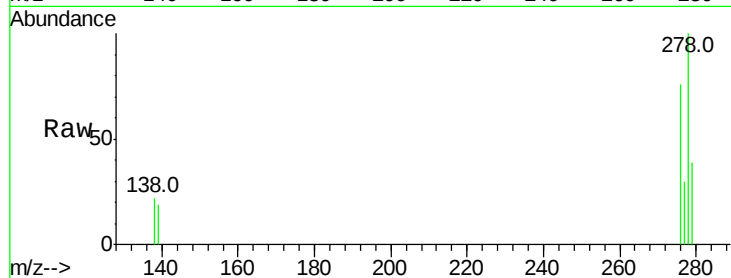


#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 26.18 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BM009152.D
Acq: 09 Mar 2017 19:09

Instrument :
BNA_M
ClientSampleId :
SSTD0.452

Tot Ion:278 Resp: 1014

Ion	Ratio	Lower	Upper
278	100		
139	19.3	17.4	26.0
279	38.5	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.89 min Scan# 1873
Delta R.T. 0.00 min
Lab File: BM009152.D
Acq: 09 Mar 2017 19:09

Tgt Ion:276 Resp: 1050

Ion	Ratio	Lower	Upper
276	100		
277	34.3	21.8	32.8#
138	22.8	20.5	30.7

