

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000509.D
 Acq On : 12 Feb 2015 19:02
 Operator : TP/IZ
 Sample : G1249-24
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN7

Quant Time: Feb 13 00:07:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	4231	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	13812	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	8315	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1008562	0.40	ng/ul	0.11
16) Chrysene-d12	21.28	240	12514	0.40	ng/ul	-0.01
20) Perylene-d12	23.38	264	730869	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	6593	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.49	212	946247	0.45	ng/ul	0.36

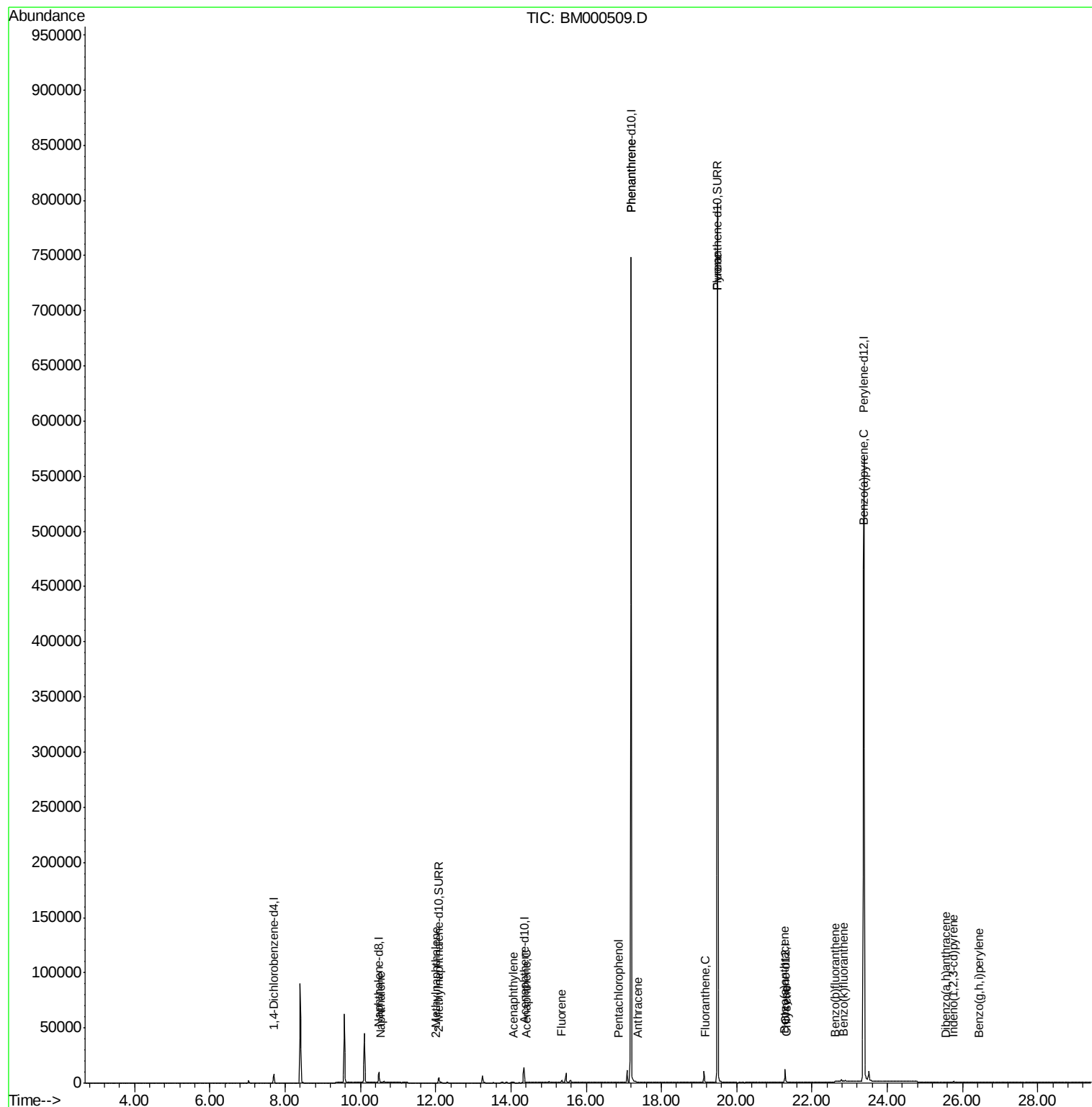
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	326	0.01	ng/ul#	29
5) 2-Methylnaphthalene	12.00	142	18	0.00	ng/ul	92
7) Acenaphthylene	14.06	152	194	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	47	0.00	ng/ul#	73
9) Fluorene	15.34	166	2087	0.07	ng/ul#	19
11) Pentachlorophenol	16.87	266	8	0.00	ng/ul#	19
12) Phenanthrene	17.19	178	874	0.00	ng/ul#	1
13) Anthracene	17.38	178	51	0.00	ng/ul#	1
15) Fluoranthene	19.15	202	827	0.00	ng/ul	69
17) Pyrene	19.49	202	2469	0.05	ng/ul#	1
18) Benzo(a)anthracene	21.27	228	1208	0.03	ng/ul#	85
19) Chrysene	21.32	228	1259	0.03	ng/ul#	87
21) Benzo(b)fluoranthene	22.61	252	807	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	1166	0.00	ng/ul#	18
23) Benzo(a)pyrene	23.37	252	4245	0.00	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	25.75	276	1108	0.00	ng/ul	98
25) Dibenzo(a,h)anthracene	25.54	278	31	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	977	0.00	ng/ul#	67

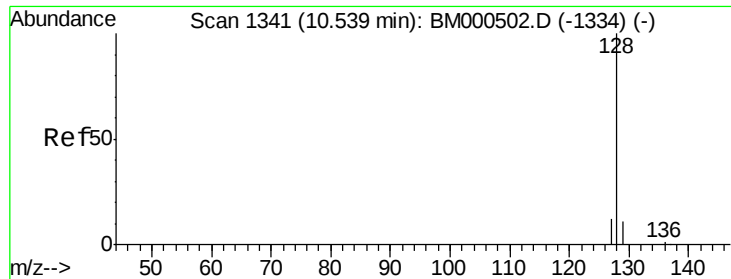
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampleId :

A4FN7

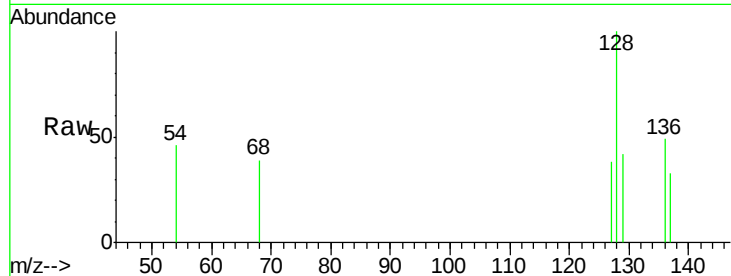
Tgt Ion:128 Resp: 326

Ion Ratio Lower Upper

128 100

129 42.1 9.5 14.3#

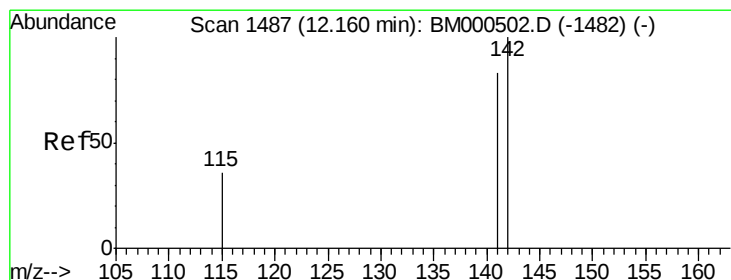
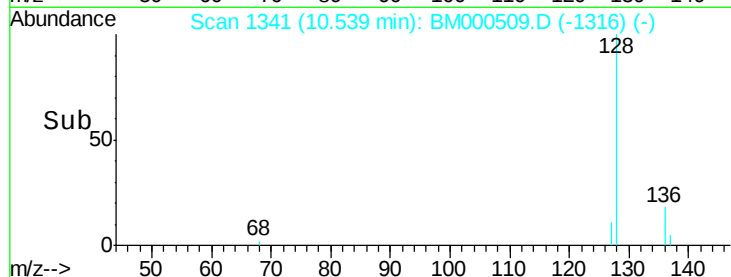
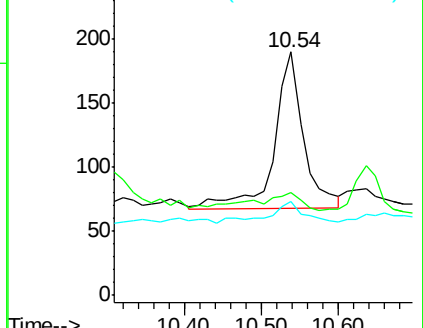
127 38.4 10.4 15.6#



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: 12.00 min Scan# 1472

Delta R.T. -0.16 min

Lab File: BM000509.D

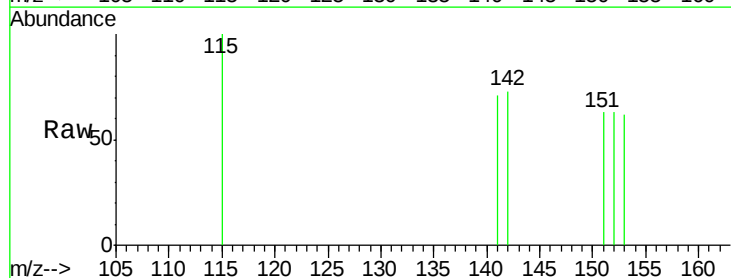
Acq: 12 Feb 2015 19:02

Tgt Ion:142 Resp: 18

Ion Ratio Lower Upper

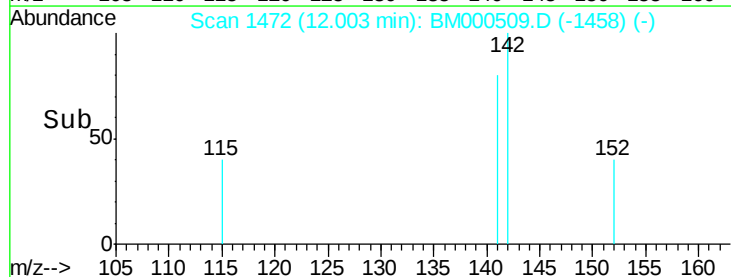
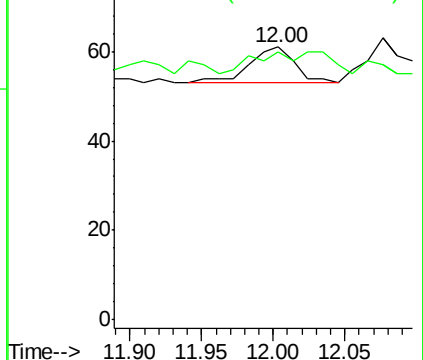
142 100

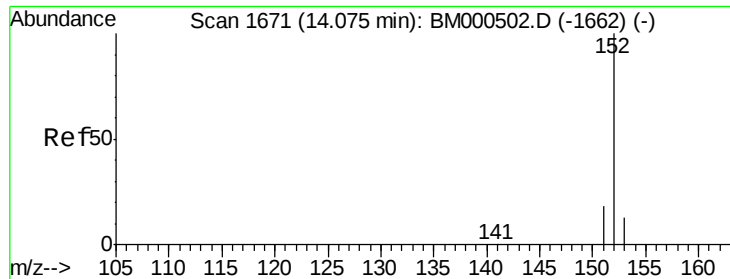
141 94.4 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.06 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampleId :

A4FN7

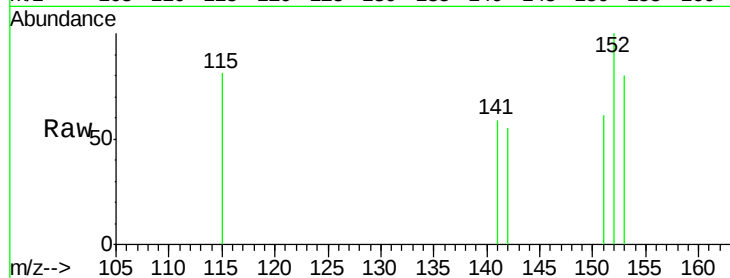
Tgt Ion:152 Resp: 194

Ion Ratio Lower Upper

152 100

151 61.2 15.0 22.6#

153 79.8 11.1 16.7#



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

250

200

150

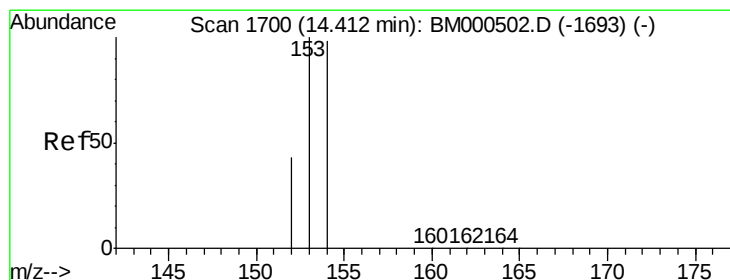
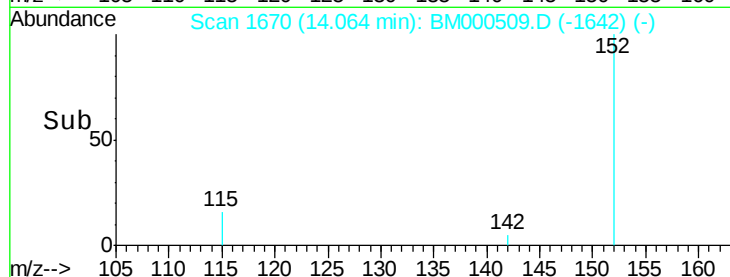
100

50

0

14.00 14.10

Time-->



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

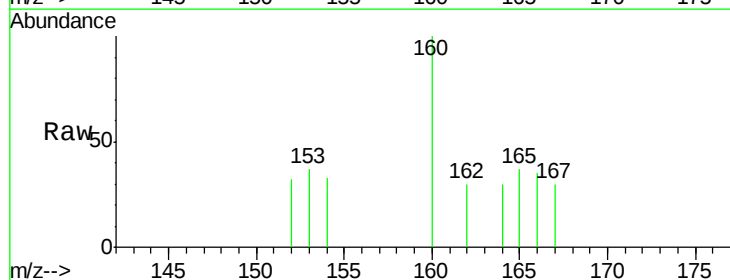
Tgt Ion:153 Resp: 47

Ion Ratio Lower Upper

153 100

152 85.9 35.1 52.7#

154 88.2 78.5 117.7



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

120

100

80

60

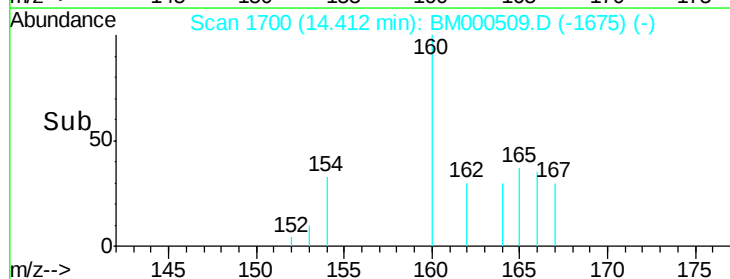
40

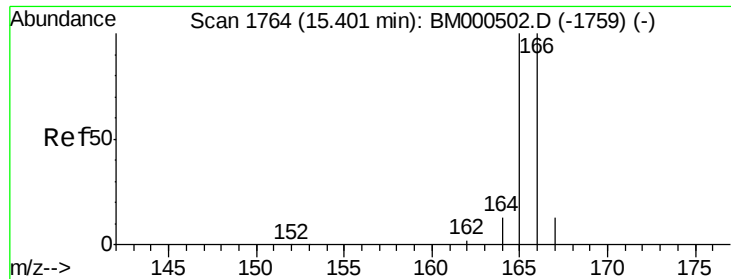
20

0

14.30 14.35 14.40 14.45

Time-->





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.34 min Scan# 1760

Delta R.T. -0.06 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampleId :

A4FN7

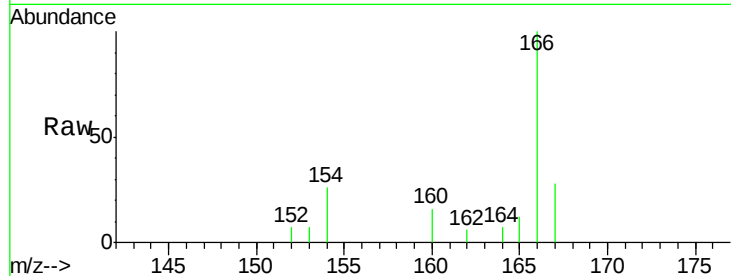
Tgt Ion:166 Resp: 2087

Ion Ratio Lower Upper

166 100

165 11.8 80.0 120.0#

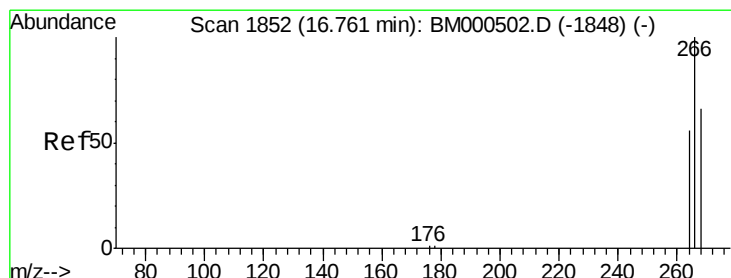
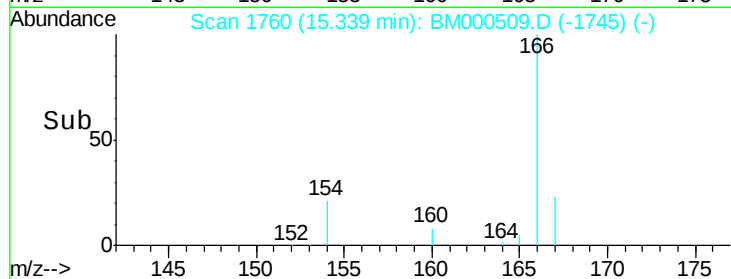
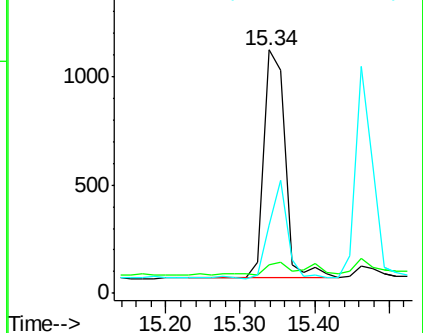
167 28.0 11.4 17.2#



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: 0.00 ng/ul

RT: 16.87 min Scan# 1859

Delta R.T. 0.11 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

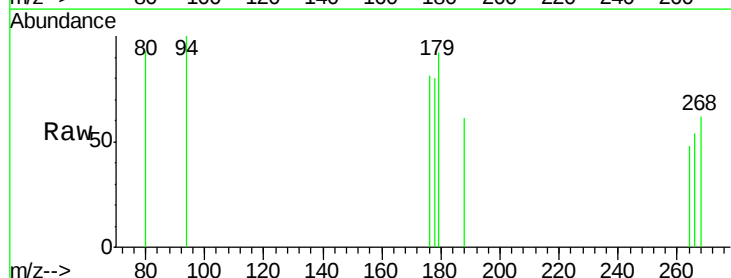
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 0.0 51.4 77.2#

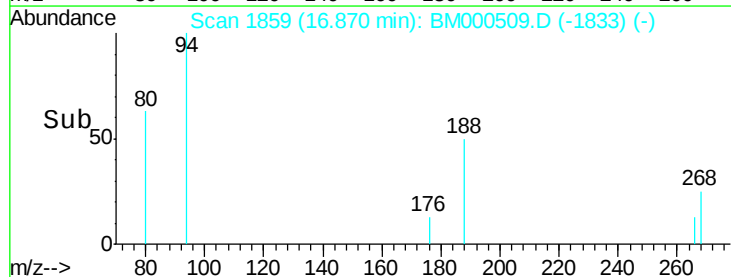
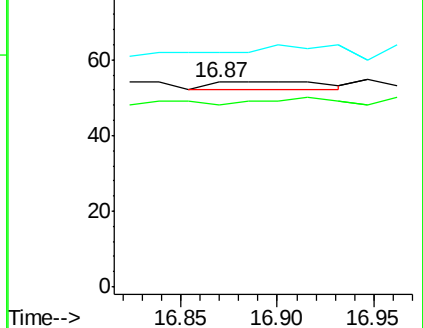
268 0.0 48.7 73.1#

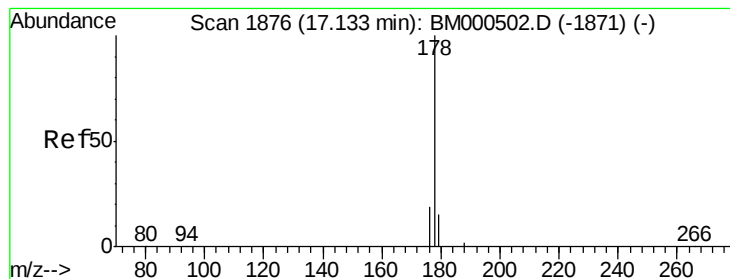


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1880

Delta R.T. 0.06 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampleId :

A4FN7

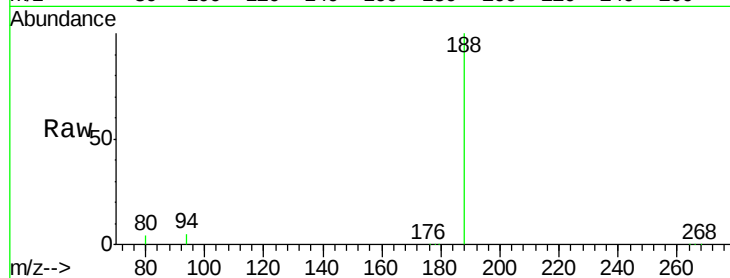
Tgt Ion:178 Resp: 874

Ion Ratio Lower Upper

178 100

176 26.1 15.5 23.3#

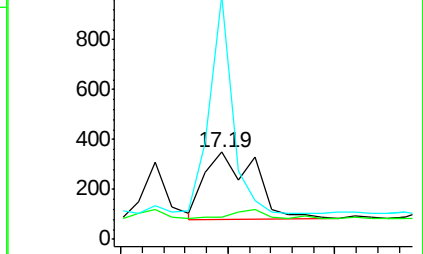
179 279.7 12.5 18.7#



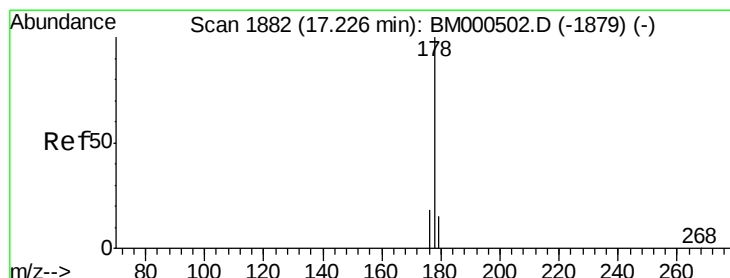
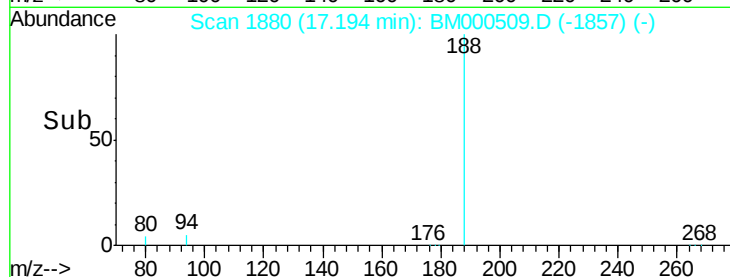
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.38 min Scan# 1892

Delta R.T. 0.15 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

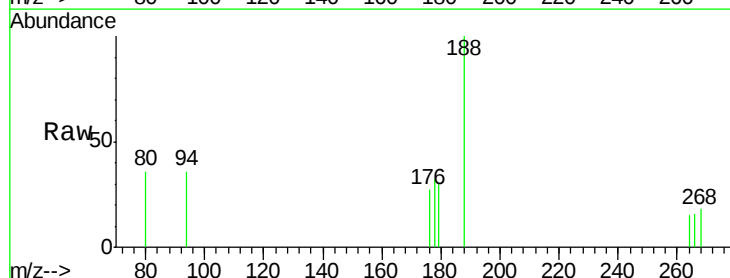
Tgt Ion:178 Resp: 51

Ion Ratio Lower Upper

178 100

176 83.2 14.9 22.3#

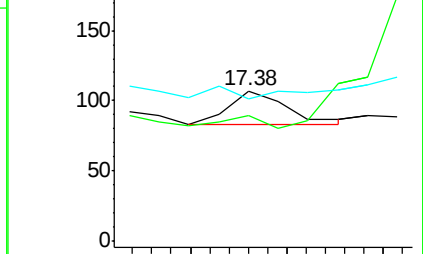
179 94.4 12.8 19.2#



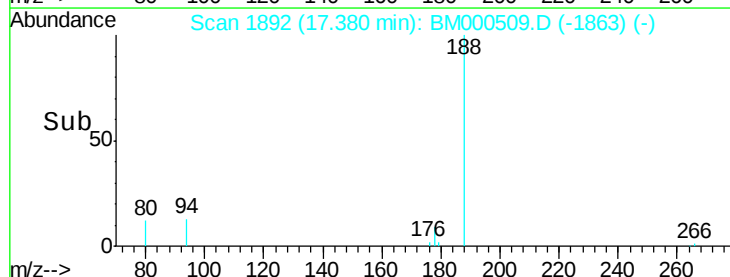
Abundance Ion 178.00 (177.70 to 178.70): E

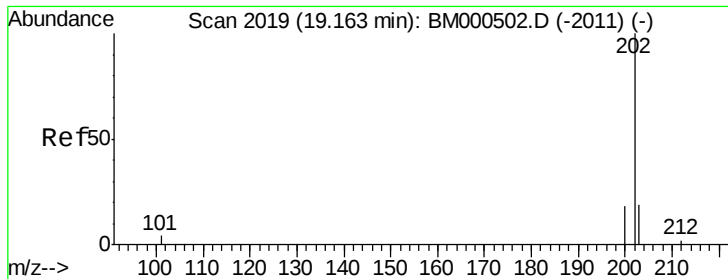
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.15 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

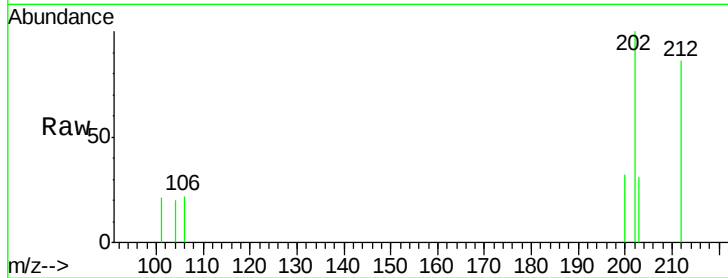
BNA_M

ClientSampleId :

A4FN7

Tgt Ion:202 Resp: 827

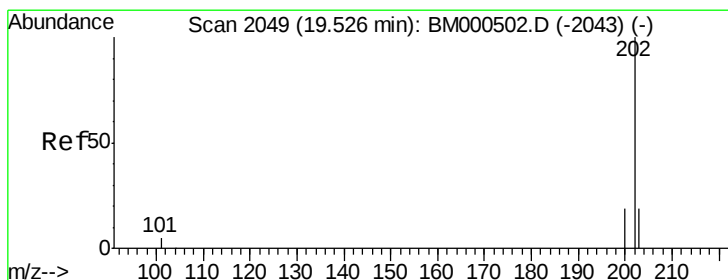
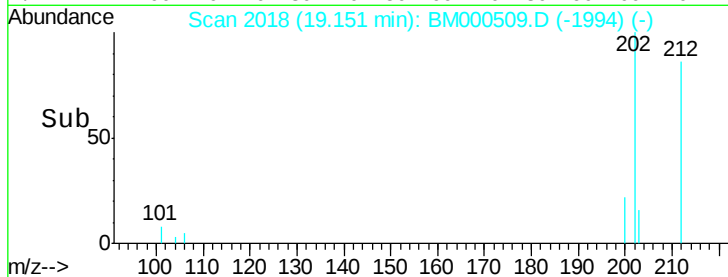
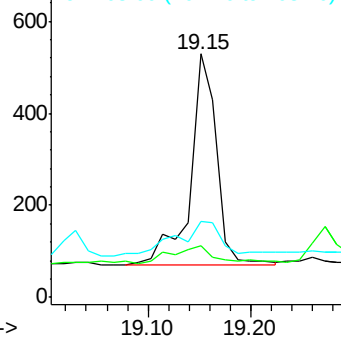
Ion	Ratio	Lower	Upper
202	100		
101	21.4	0.0	24.8
203	31.2	0.0	39.2



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: 0.05 ng/ul

RT: 19.49 min Scan# 2046

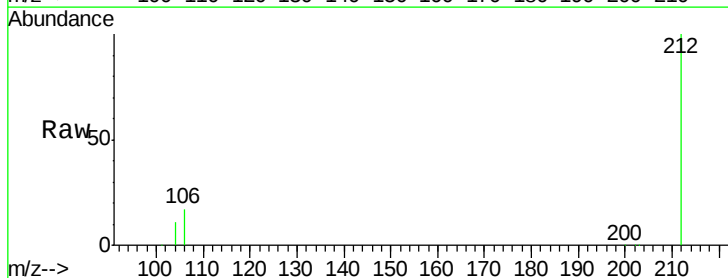
Delta R.T. -0.04 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Tgt Ion:202 Resp: 2469

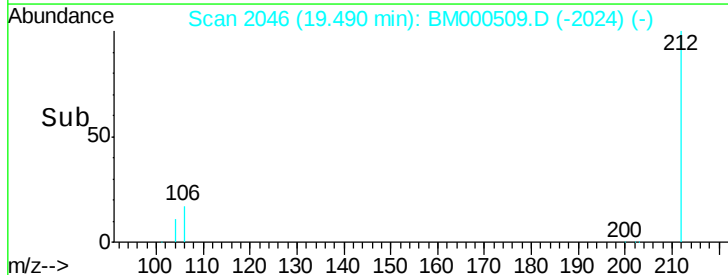
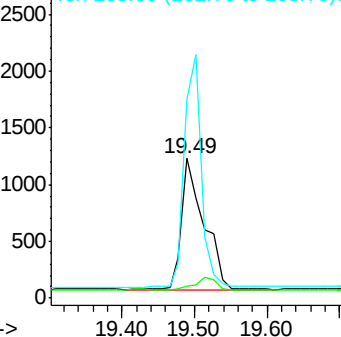
Ion	Ratio	Lower	Upper
202	100		
200	8.8	15.4	23.0#
203	141.9	15.4	23.2#

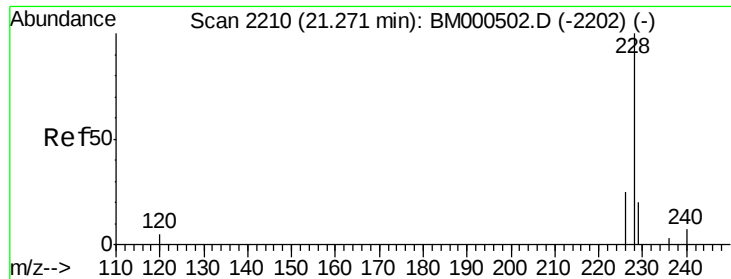


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

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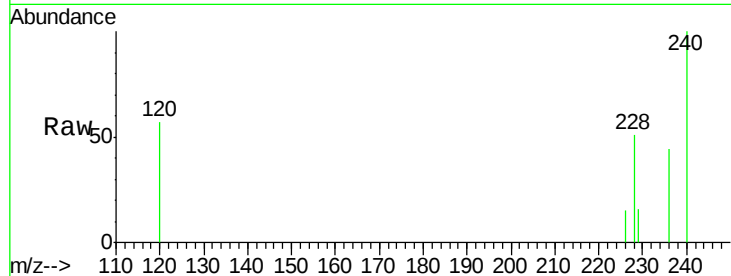
Tgt Ion:228 Resp: 1208

Ion Ratio Lower Upper

228 100

226 30.2 20.6 31.0

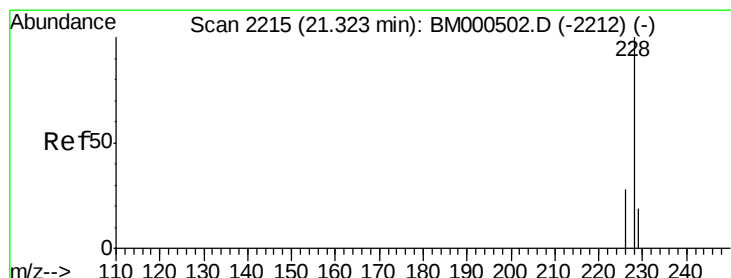
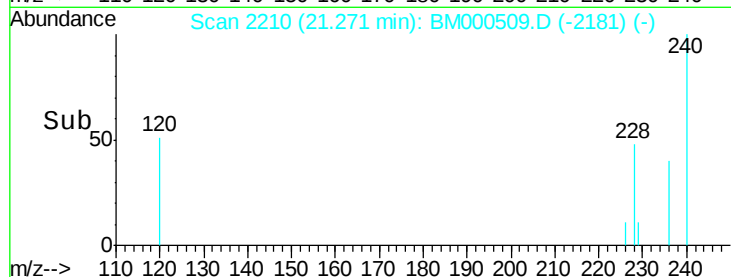
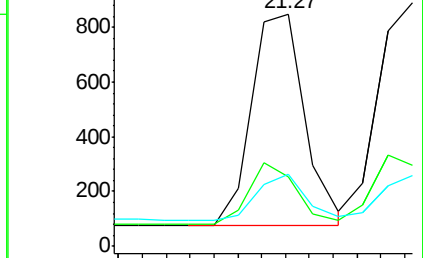
229 30.9 16.3 24.5#



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



#19

Chrysene

Concen: 0.03 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

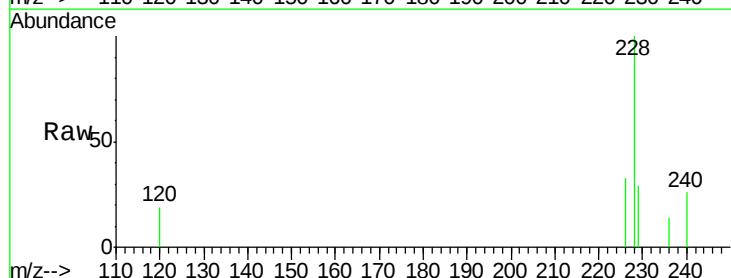
Tgt Ion:228 Resp: 1259

Ion Ratio Lower Upper

228 100

226 33.2 22.7 34.1

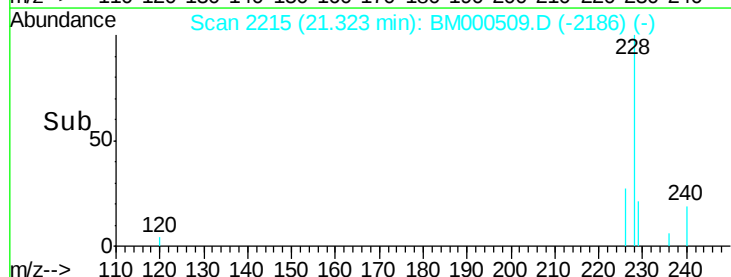
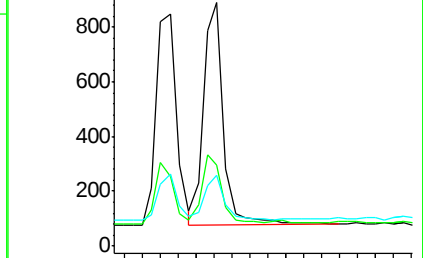
229 28.9 16.0 24.0#

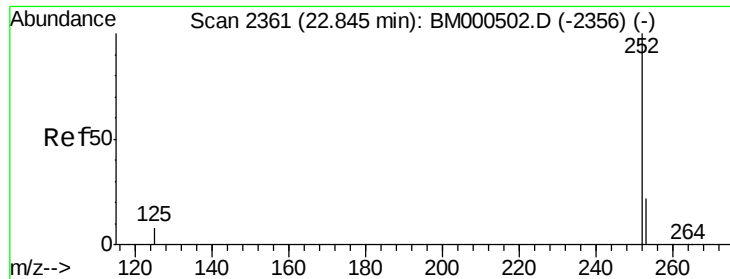


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.61 min Scan# 2338

Delta R.T. -0.24 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

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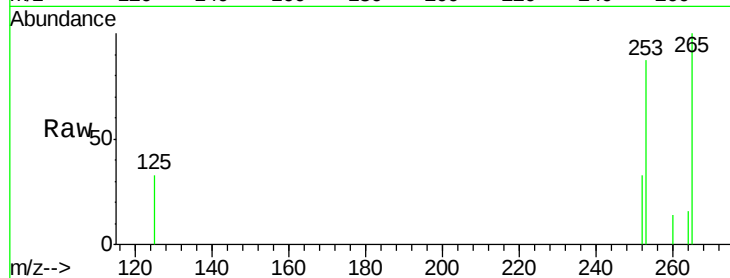
Tgt Ion:252 Resp: 807

Ion Ratio Lower Upper

252 100

253 266.3 0.0 52.6#

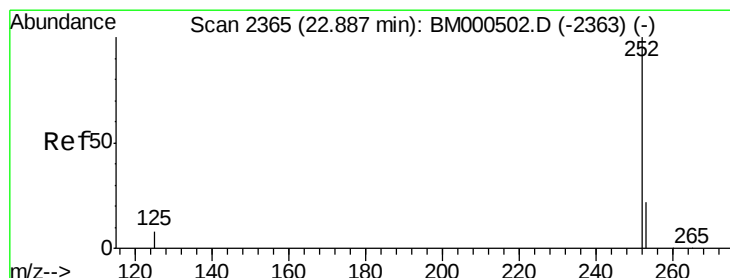
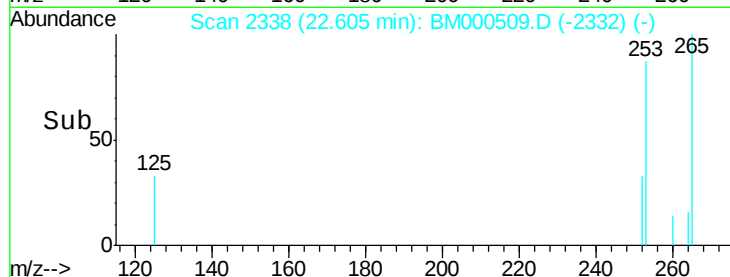
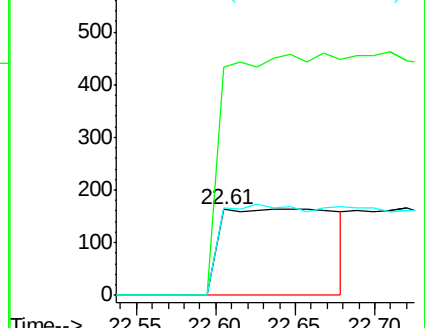
125 101.8 0.0 17.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.83 min Scan# 2360

Delta R.T. -0.05 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

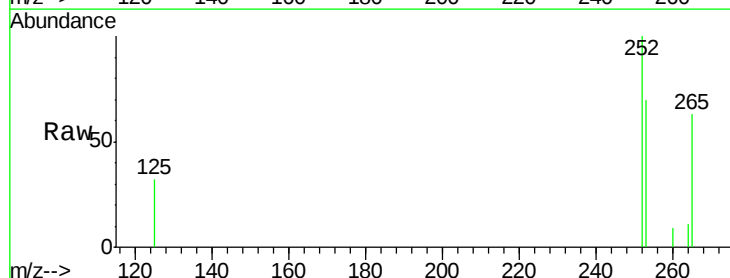
Tgt Ion:252 Resp: 1166

Ion Ratio Lower Upper

252 100

253 70.2 20.2 30.4#

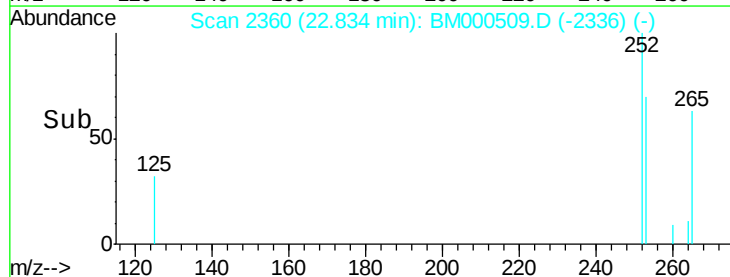
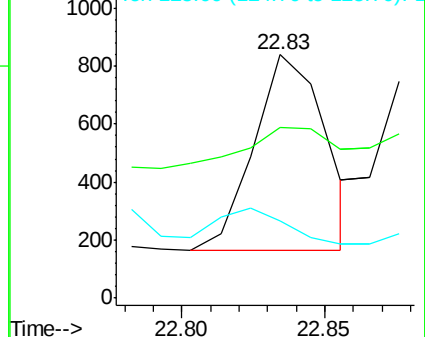
125 31.8 7.4 11.0#

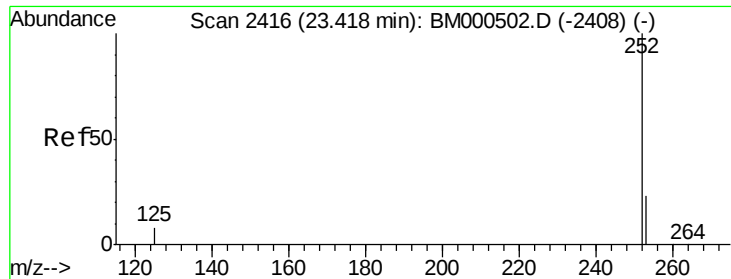


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.37 min Scan# 2411

Delta R.T. -0.05 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampleId :

A4FN7

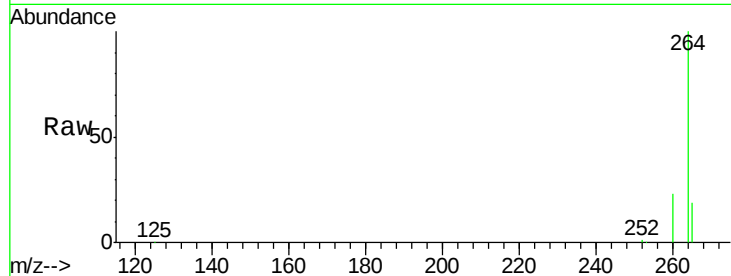
Tgt Ion:252 Resp: 4245

Ion Ratio Lower Upper

252 100

253 53.9 23.1 34.7#

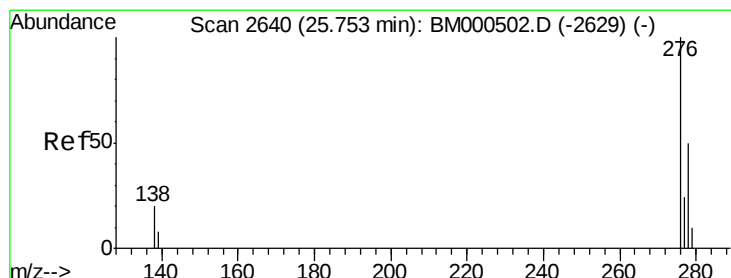
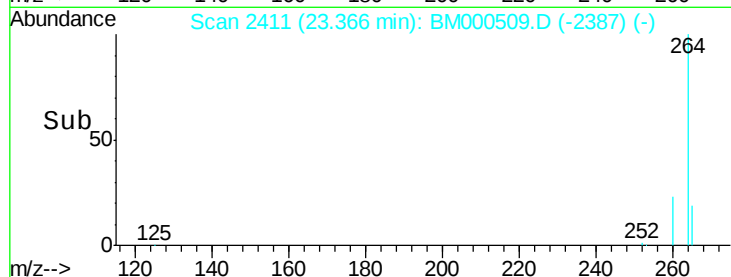
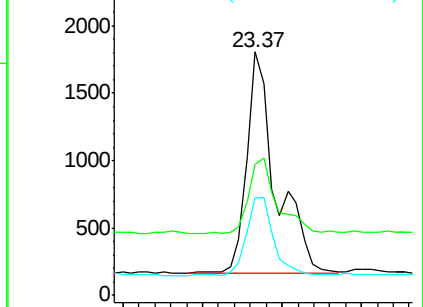
125 40.3 8.0 12.0#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.75 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

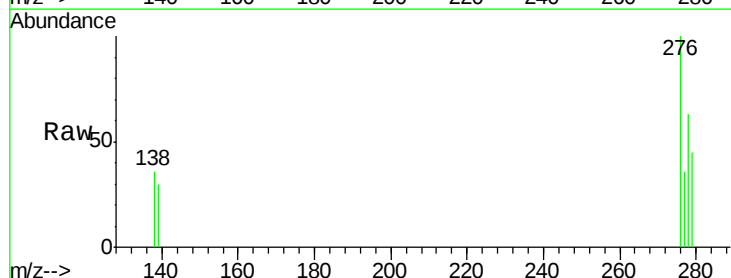
Tgt Ion:276 Resp: 1108

Ion Ratio Lower Upper

276 100

138 21.0 17.3 25.9

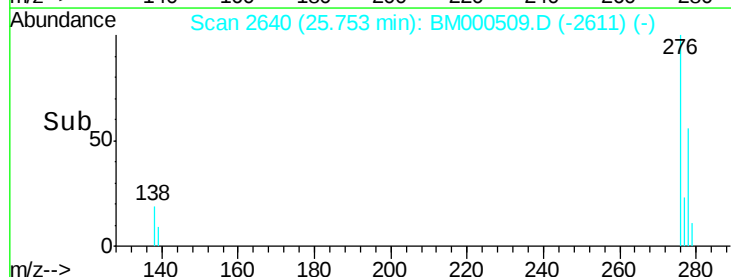
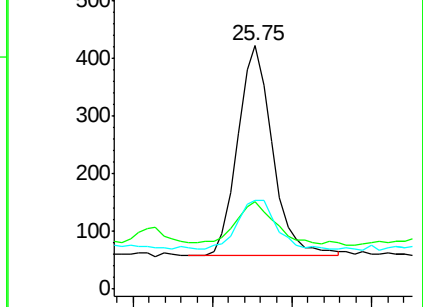
277 25.8 19.8 29.8

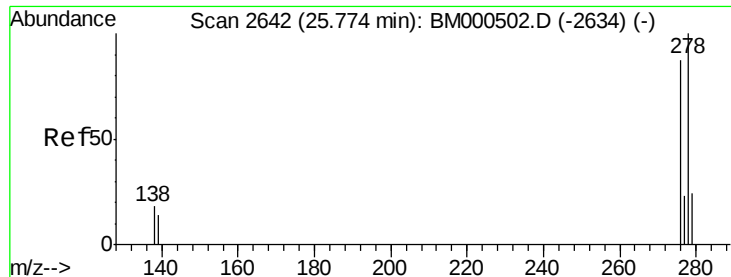


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.54 min Scan# 2620

Delta R.T. -0.23 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

Instrument :

BNA_M

ClientSampled :

A4FN7

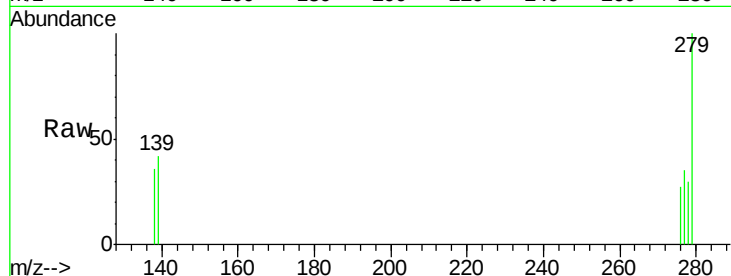
Tgt Ion:278 Resp: 31

Ion Ratio Lower Upper

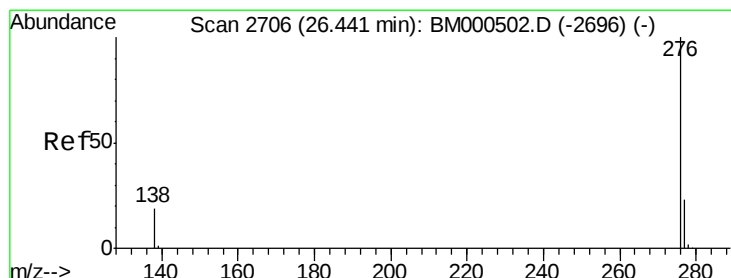
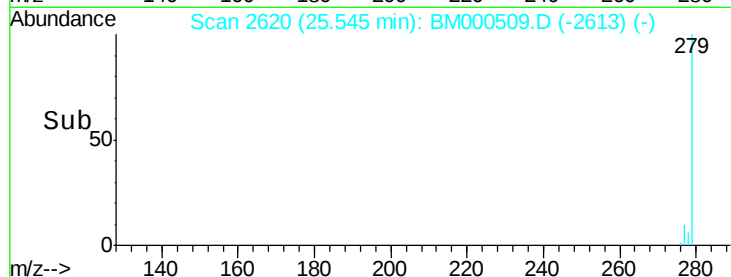
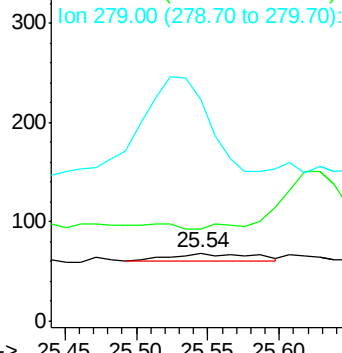
278 100

139 136.8 12.5 18.7#

279 327.9 22.2 33.2#



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: 0.00 ng/ul

RT: 26.44 min Scan# 2706

Delta R.T. -0.00 min

Lab File: BM000509.D

Acq: 12 Feb 2015 19:02

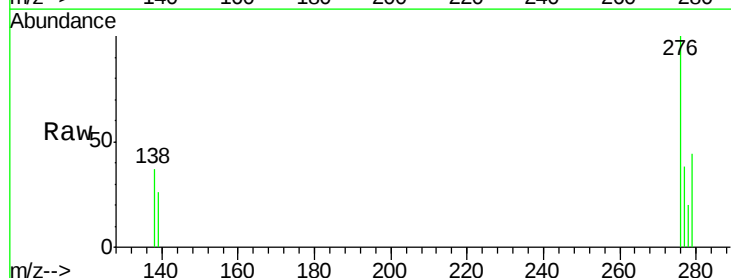
Tgt Ion:276 Resp: 977

Ion Ratio Lower Upper

276 100

277 38.2 19.2 28.8#

138 37.1 16.0 24.0#



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

