

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007121.D
 Acq On : 15 Aug 2016 17:56
 Operator : UM/SJ
 Sample : H4338-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V15

Quant Time: Aug 16 01:54:58 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	2016	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	7256	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3832	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	615397	0.40	ng/ul	0.10
16) Chrysene-d12	21.37	240	7305	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	538900	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3188	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7232	0.01	ng/ul	0.00

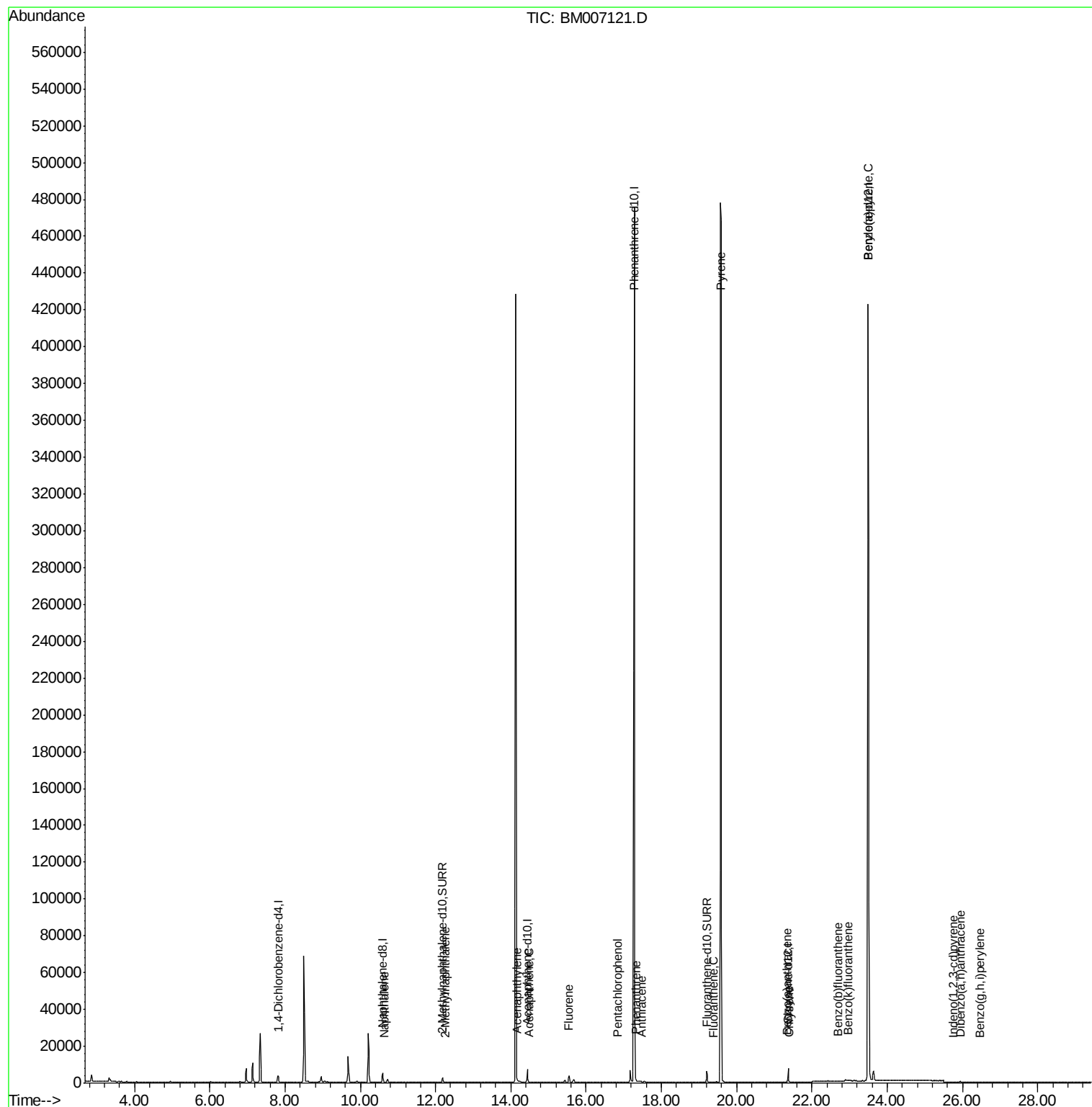
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	250	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.26	142	29	0.00	ng/ul#	68
7) Acenaphthylene	14.16	152	350	0.02	ng/ul#	36
8) Acenaphthene	14.49	153	38	0.00	ng/ul#	70
9) Fluorene	15.55	166	65	0.00	ng/ul#	1
11) Pentachlorophenol	16.83	266	176	0.00	ng/ul	94
12) Phenanthrene	17.31	178	693	0.00	ng/ul#	58
13) Anthracene	17.47	178	60	0.00	ng/ul#	1
15) Fluoranthene	19.39	202	102	0.00	ng/ul#	1
17) Pyrene	19.57	202	1846	0.08	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	361	0.02	ng/ul#	40
19) Chrysene	21.40	228	323	0.01	ng/ul#	59
21) Benzo(b)fluoranthene	22.69	252	17	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.95	252	827	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.49	252	2619	0.00	ng/ul#	63
24) Indeno(1,2,3-cd)pyrene	25.74	276	8	0.00	ng/ul#	52
25) Dibenzo(a,h)anthracene	25.94	278	231	0.00	ng/ul#	8
26) Benzo(g,h,i)perylene	26.46	276	13	0.00	ng/ul#	1

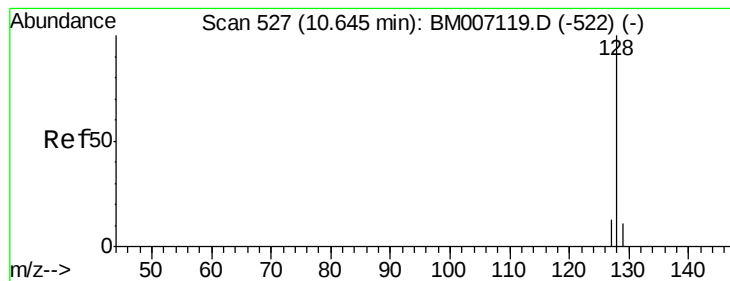
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

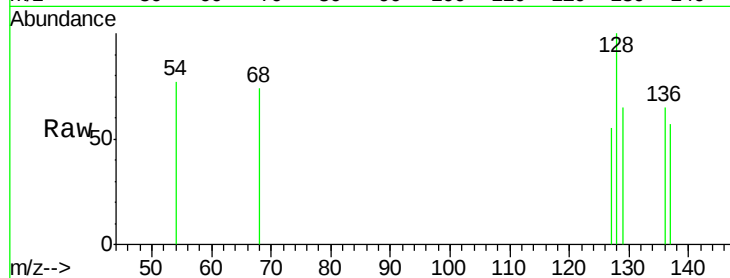
Tgt Ion:128 Resp: 250

Ion Ratio Lower Upper

128 100

129 64.8 9.0 13.6#

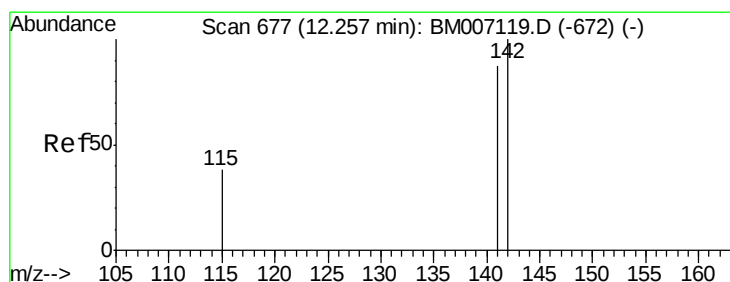
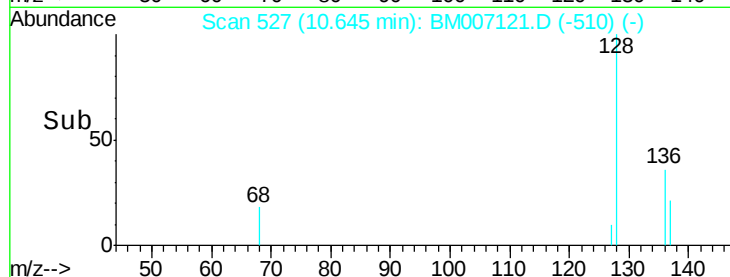
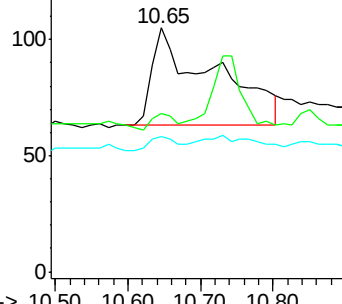
127 55.2 9.6 14.4#



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: BM007121.D

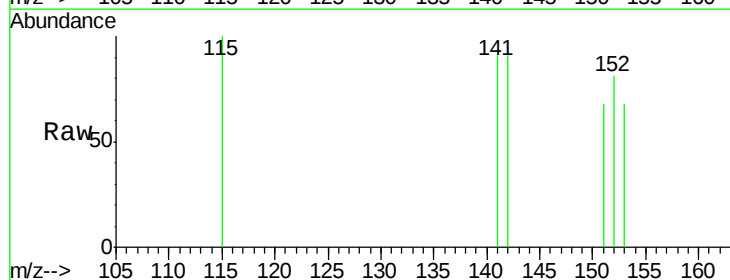
Acq: 15 Aug 2016 17:56

Tgt Ion:142 Resp: 29

Ion Ratio Lower Upper

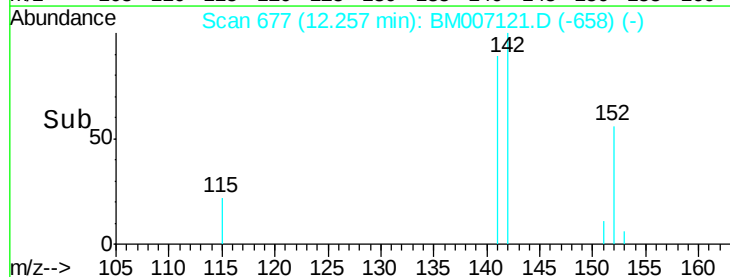
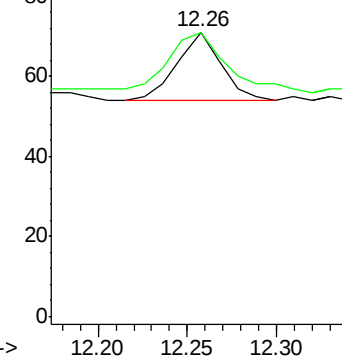
142 100

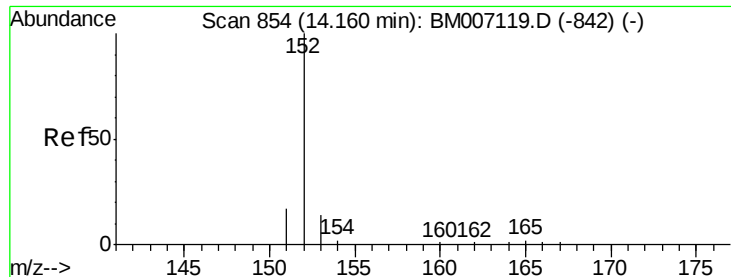
141 117.2 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

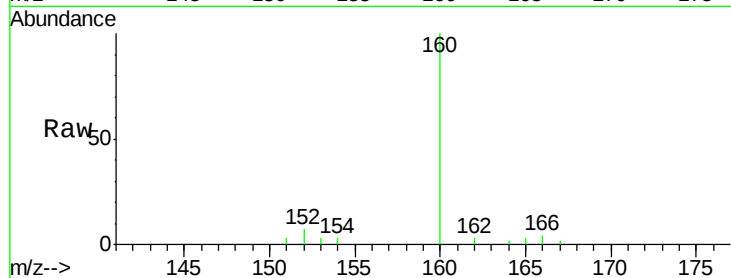
Tgt Ion:152 Resp: 350

Ion Ratio Lower Upper

152 100

151 47.1 17.6 26.4#

153 45.2 9.7 14.5#



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

14.16

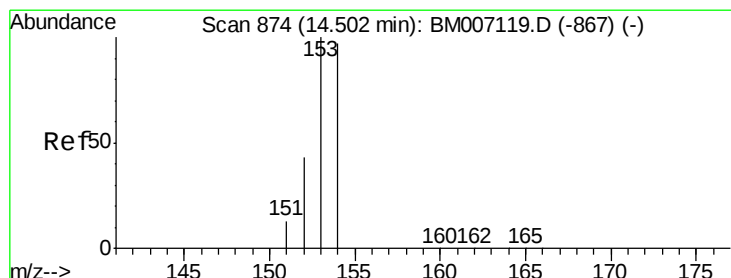
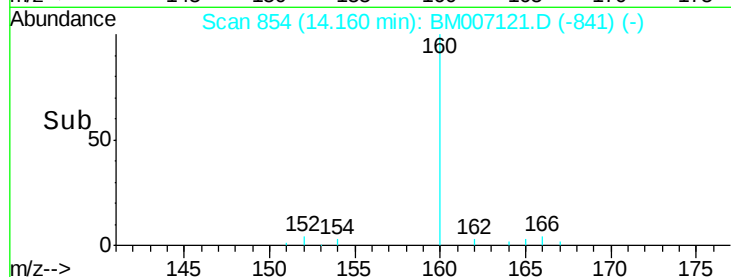
150

100

50

0

Time-->



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

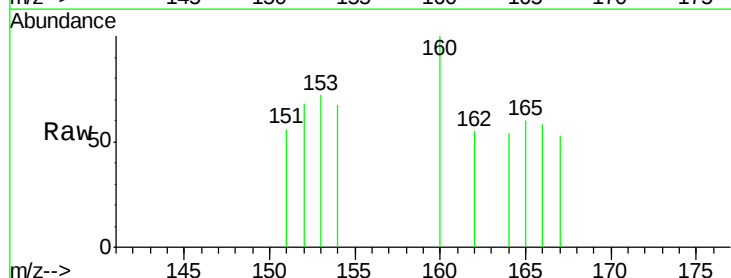
Tgt Ion:153 Resp: 38

Ion Ratio Lower Upper

153 100

152 94.5 33.9 50.9#

154 93.2 80.6 121.0



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

14.49

100

80

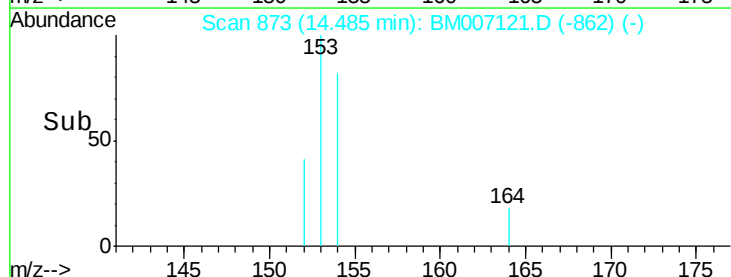
60

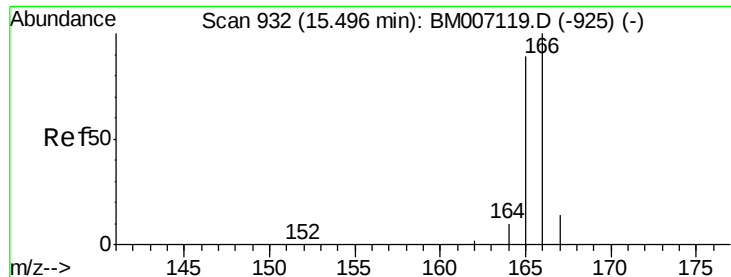
40

20

0

Time-->





#9

Fluorene

Concen: 0.00 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.05 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

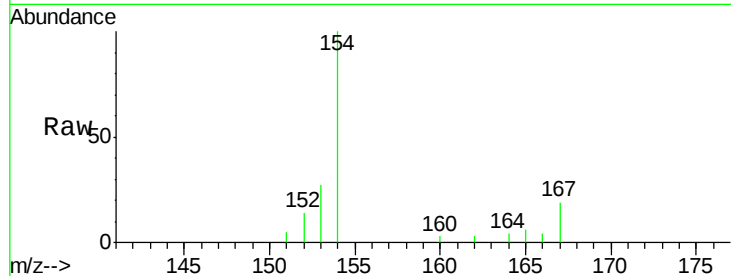
Tgt Ion:166 Resp: 65

Ion Ratio Lower Upper

166 100

165 135.1 69.6 104.4#

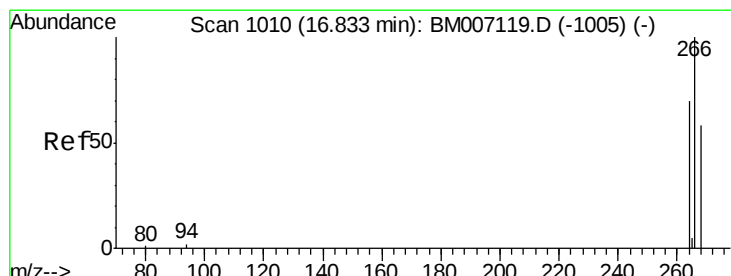
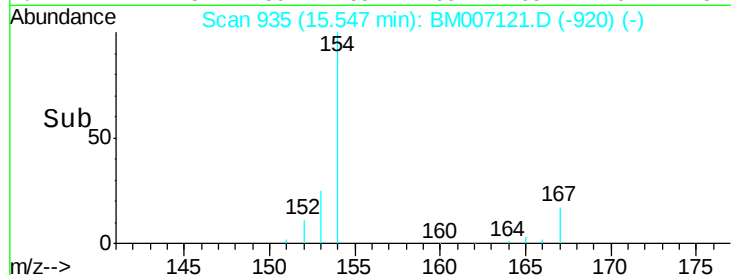
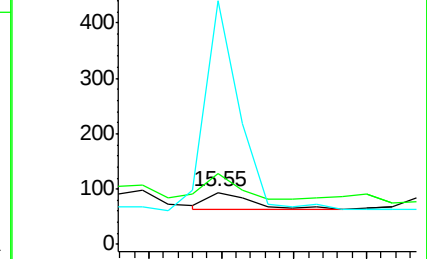
167 468.1 11.9 17.9#



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: 0.00 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

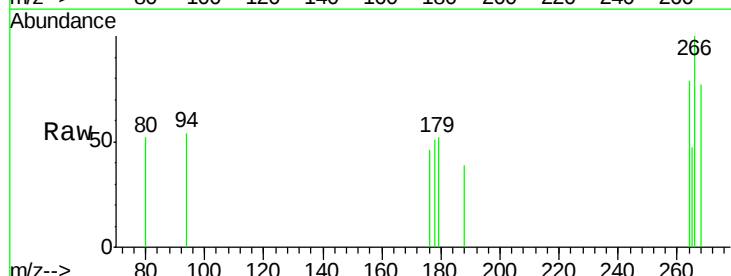
Tgt Ion:266 Resp: 176

Ion Ratio Lower Upper

266 100

264 59.1 51.8 77.8

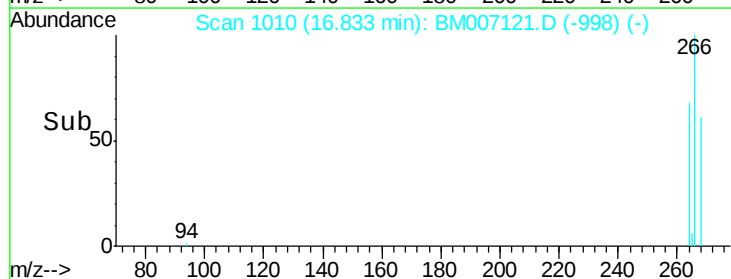
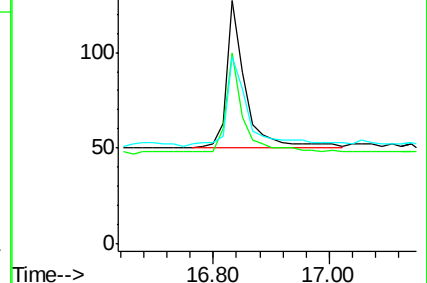
268 61.4 46.8 70.2

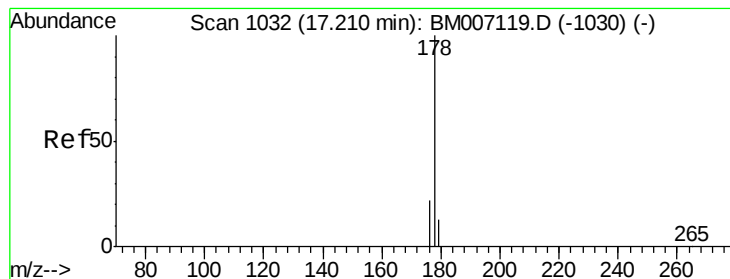


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

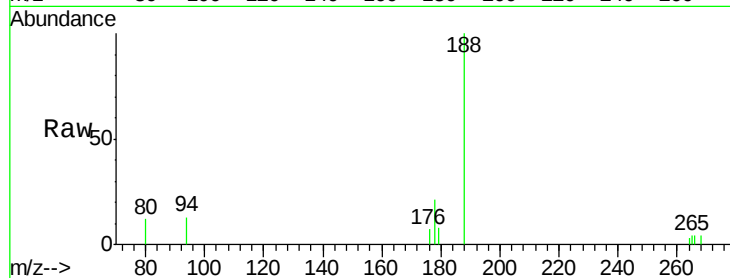
Tgt Ion:178 Resp: 693

Ion Ratio Lower Upper

178 100

176 32.7 13.0 19.4#

179 37.7 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

800

600

400

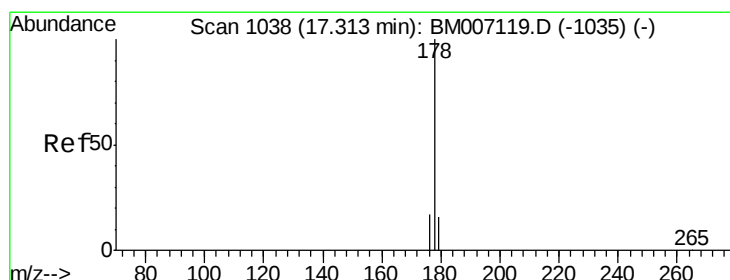
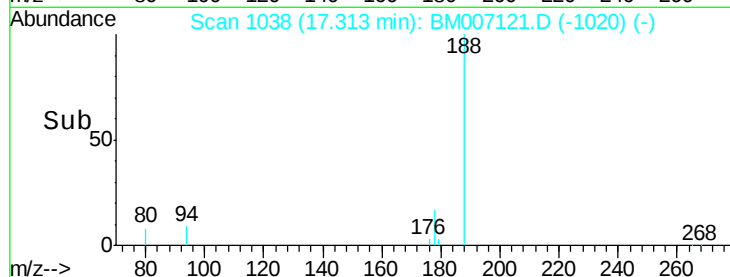
200

0

17.20 17.30 17.40

17.31

Time-->



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.47 min Scan# 1047

Delta R.T. 0.15 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

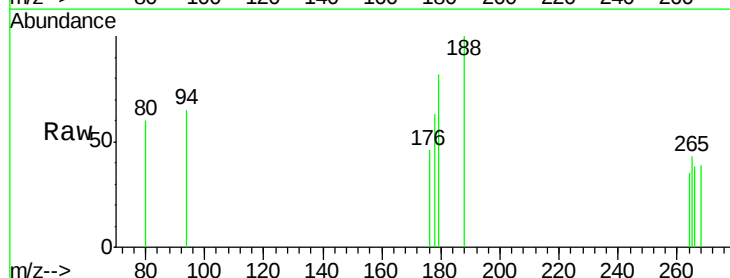
Tgt Ion:178 Resp: 60

Ion Ratio Lower Upper

178 100

176 73.3 14.0 21.0#

179 129.1 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

200

150

100

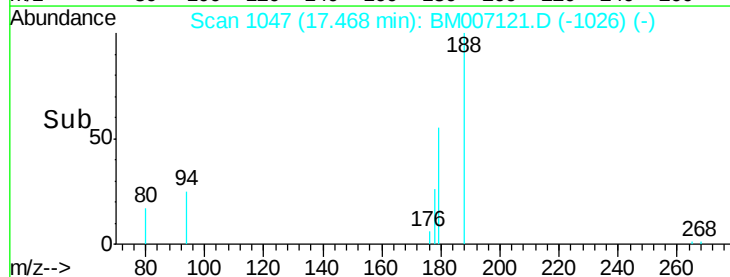
50

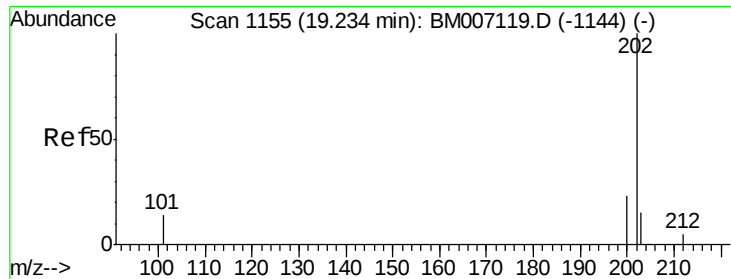
0

17.35 17.40 17.45 17.50

17.47

Time-->





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.39 min Scan# 1168

Delta R.T. 0.15 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

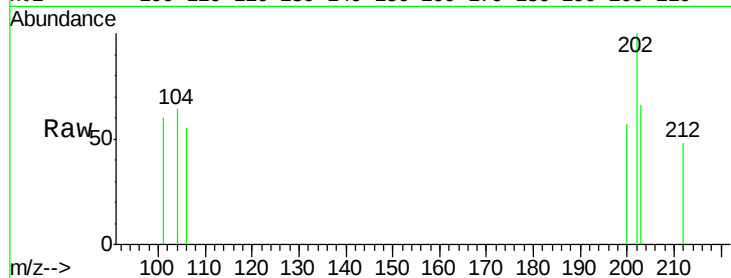
Tgt Ion:202 Resp: 102

Ion Ratio Lower Upper

202 100

101 60.5 0.0 29.6#

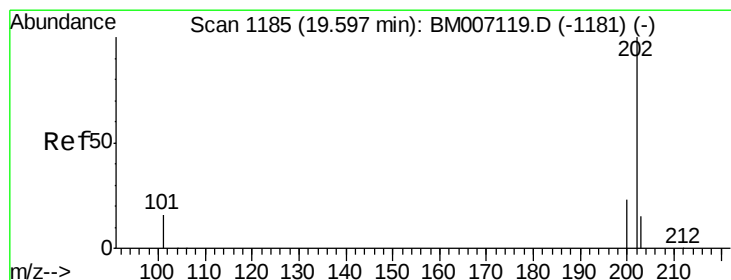
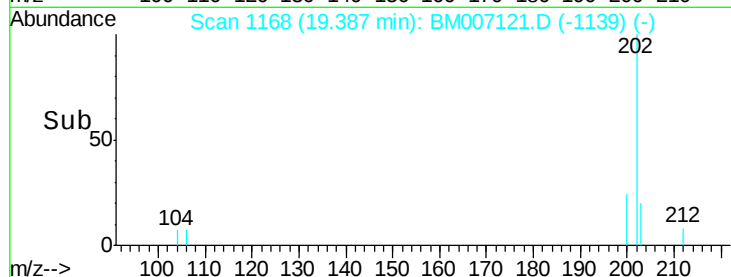
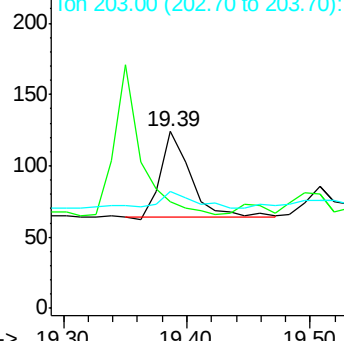
203 66.1 0.0 36.3#



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: 0.08 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. -0.03 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

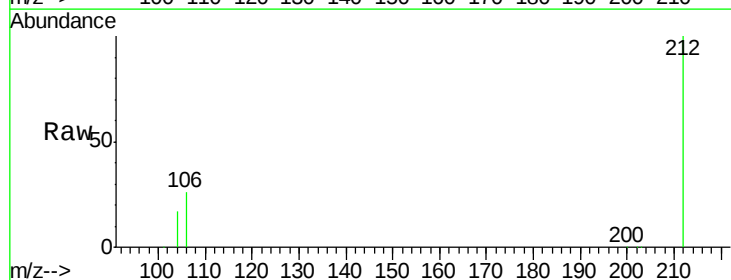
Tgt Ion:202 Resp: 1846

Ion Ratio Lower Upper

202 100

200 10.7 17.8 26.8#

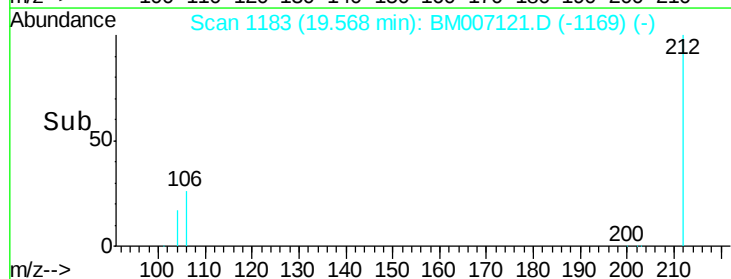
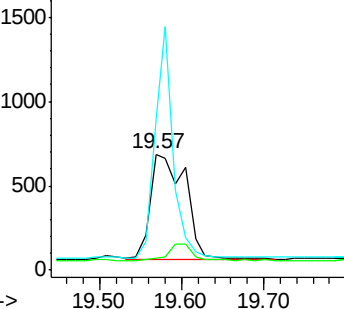
203 130.3 12.8 19.2#

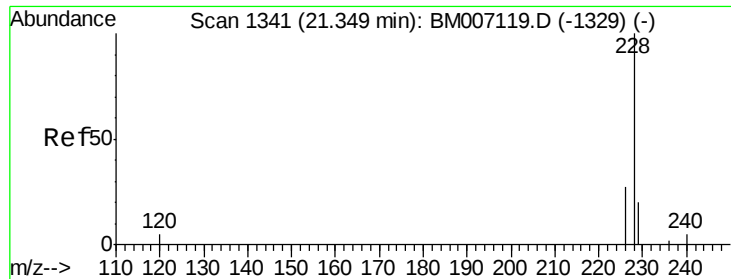


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

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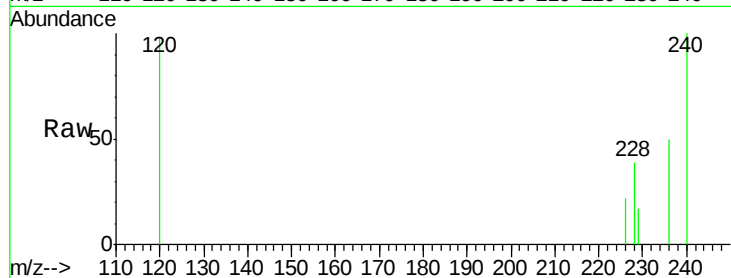
Tgt Ion:228 Resp: 361

Ion Ratio Lower Upper

228 100

226 57.0 18.8 28.2#

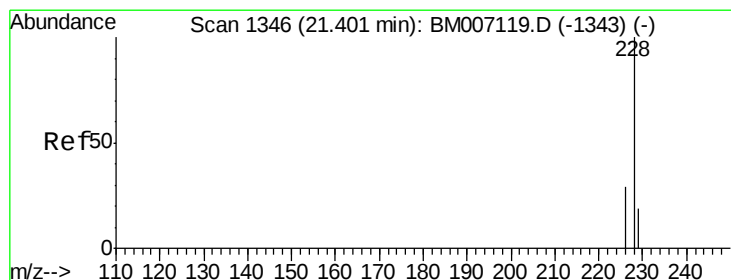
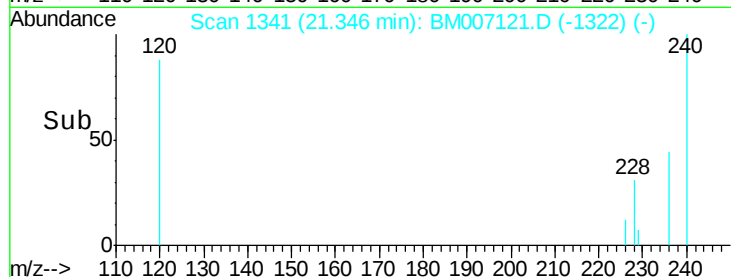
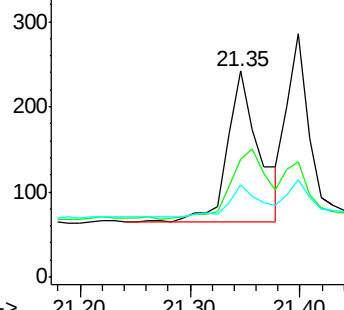
229 45.0 17.1 25.7#



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



#19

Chrysene

Concen: 0.01 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

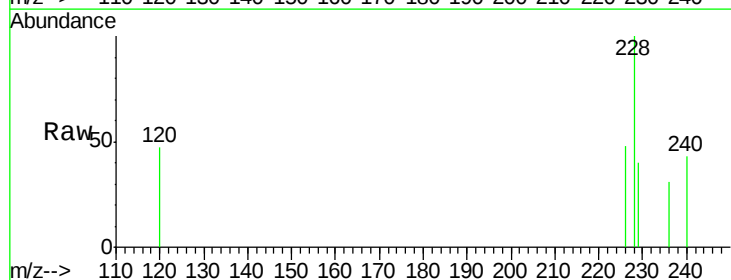
Tgt Ion:228 Resp: 323

Ion Ratio Lower Upper

228 100

226 47.6 21.2 31.8#

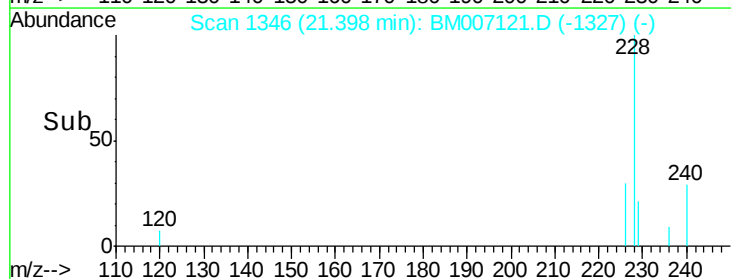
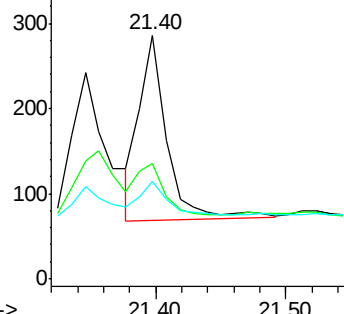
229 40.2 17.0 25.6#

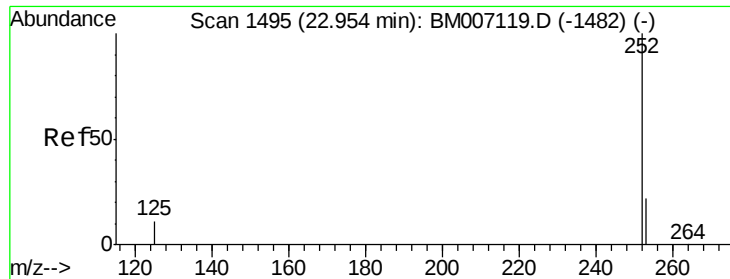


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.69 min Scan# 1470

Delta R.T. -0.26 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampled :

A4V15

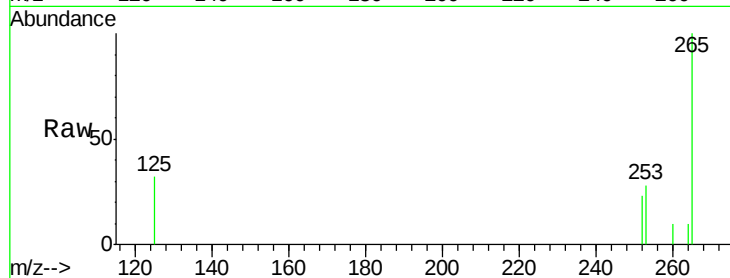
Tgt Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

253 123.2 0.0 45.4#

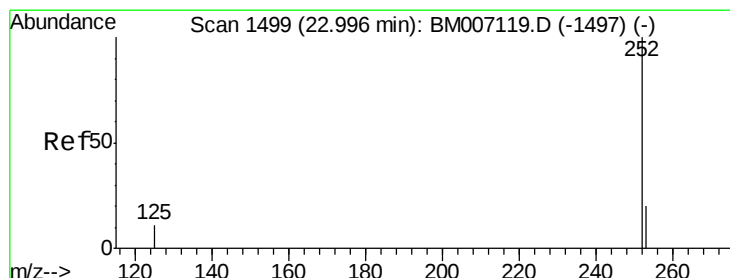
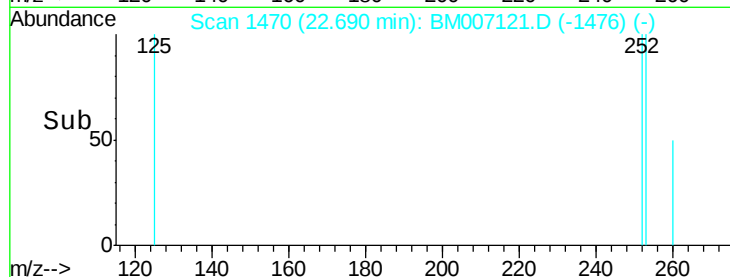
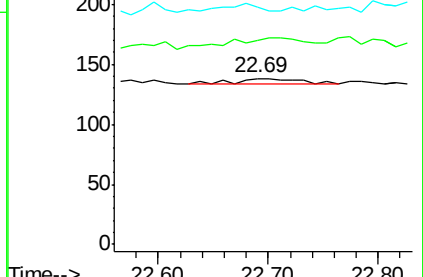
125 143.5 0.0 28.8#



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: 0.00 ng/ul

RT: 22.95 min Scan# 1495

Delta R.T. -0.04 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

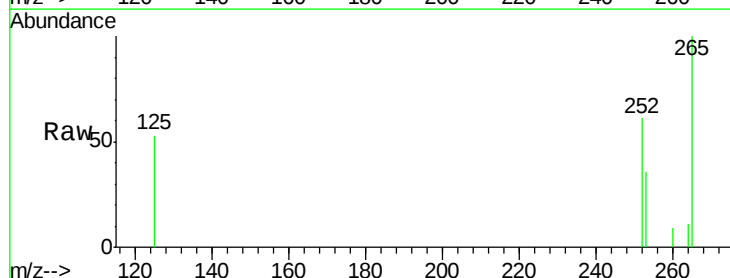
Tgt Ion:252 Resp: 827

Ion Ratio Lower Upper

252 100

253 58.9 19.8 29.8#

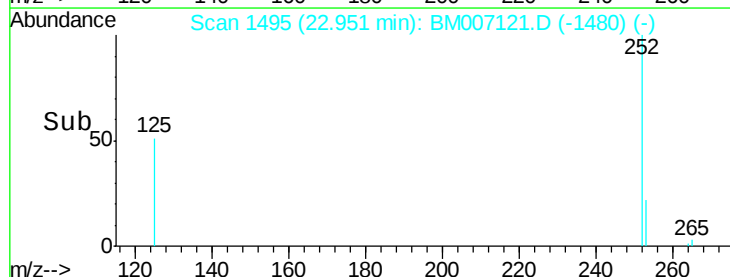
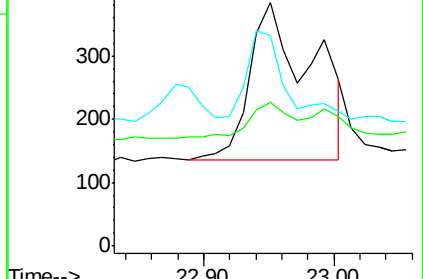
125 86.2 10.4 15.6#

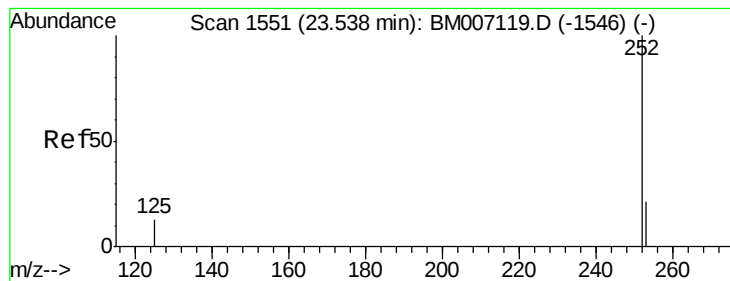


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.49 min Scan# 1547

Delta R.T. -0.04 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

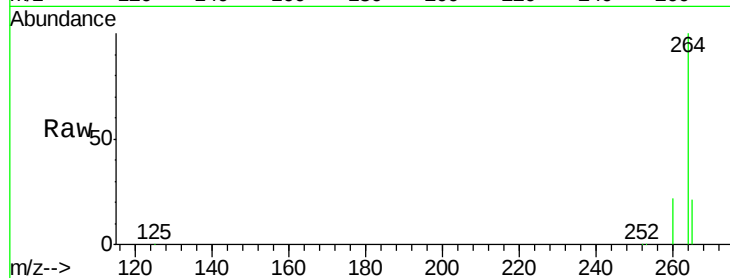
Tgt Ion:252 Resp: 2619

Ion Ratio Lower Upper

252 100

253 40.2 19.4 29.2#

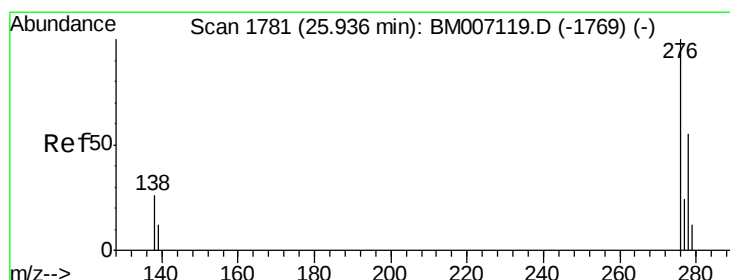
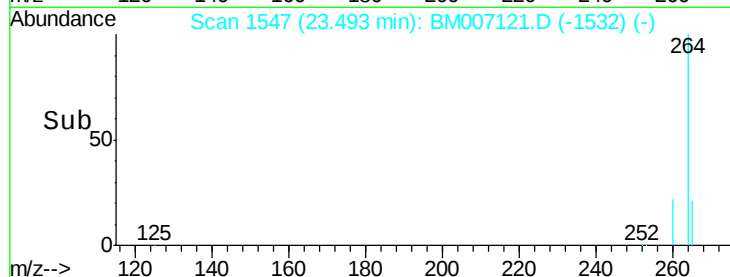
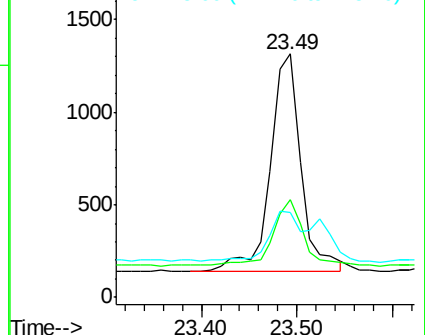
125 35.0 12.7 19.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.19 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

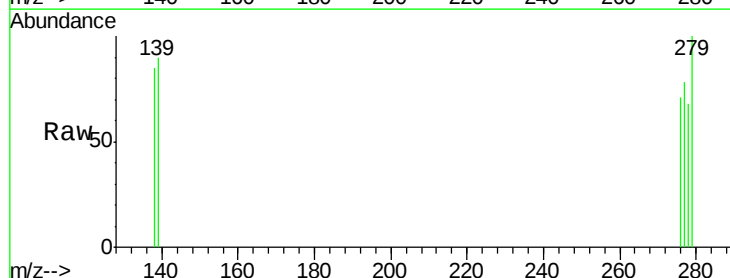
Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

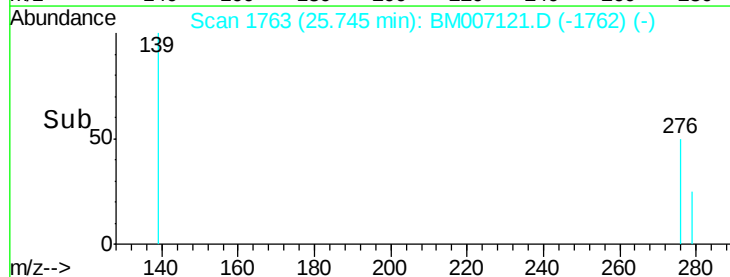
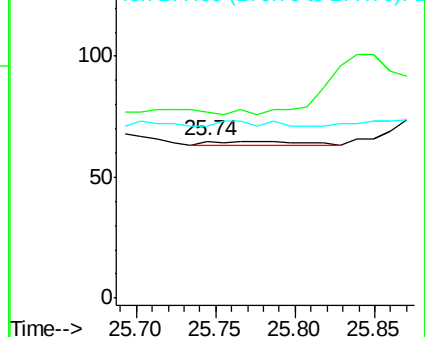
277 50.0 19.8 29.8#

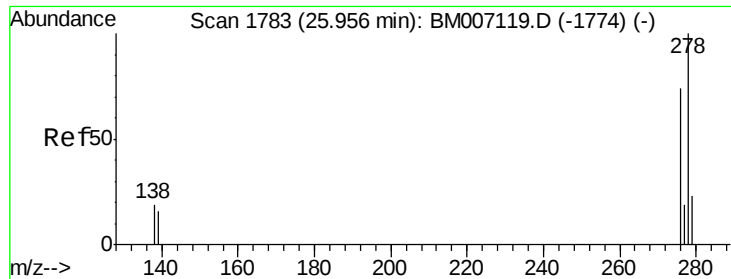


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.94 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

Instrument :

BNA_M

ClientSampleId :

A4V15

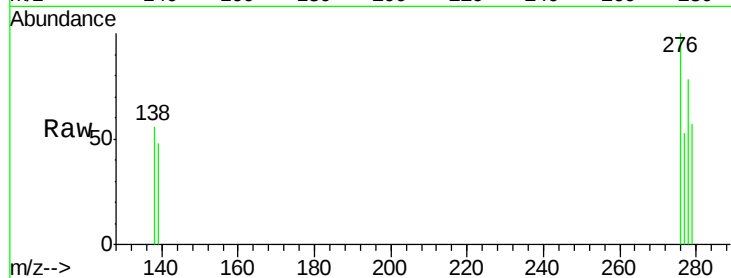
Tgt Ion: 278 Resp: 231

Ion Ratio Lower Upper

278 100

139 61.8 16.4 24.6#

279 72.6 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

25.94

150

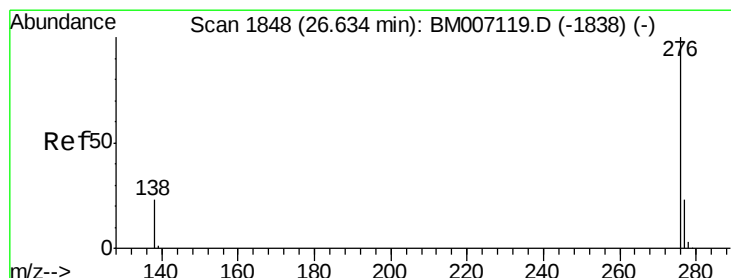
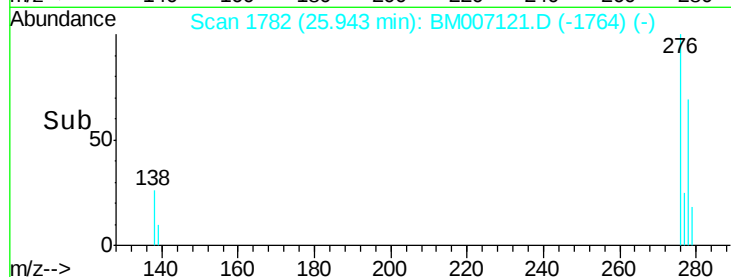
100

50

0

25.80 25.85 25.90 25.95

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.17 min

Lab File: BM007121.D

Acq: 15 Aug 2016 17:56

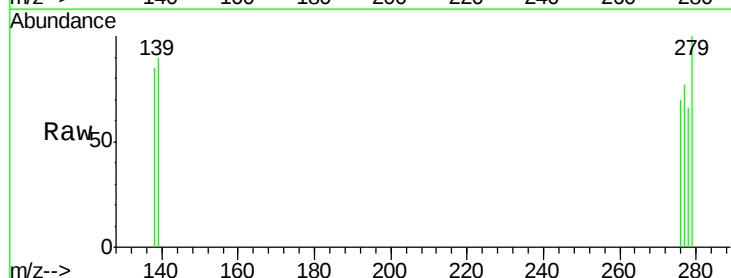
Tgt Ion: 276 Resp: 13

Ion Ratio Lower Upper

276 100

277 109.1 18.9 28.3#

138 121.2 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

26.46

100

80

60

40

20

0

26.45 26.50

Time-->

