

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007124.D
 Acq On : 15 Aug 2016 19:45
 Operator : UM/SJ
 Sample : H4338-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V18

Quant Time: Aug 16 01:55:28 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	1978	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	7199	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3818	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	590074	0.40	ng/ul	0.10
16) Chrysene-d12	21.37	240	7385	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	507758	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3249	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	7048	0.01	ng/ul	0.00

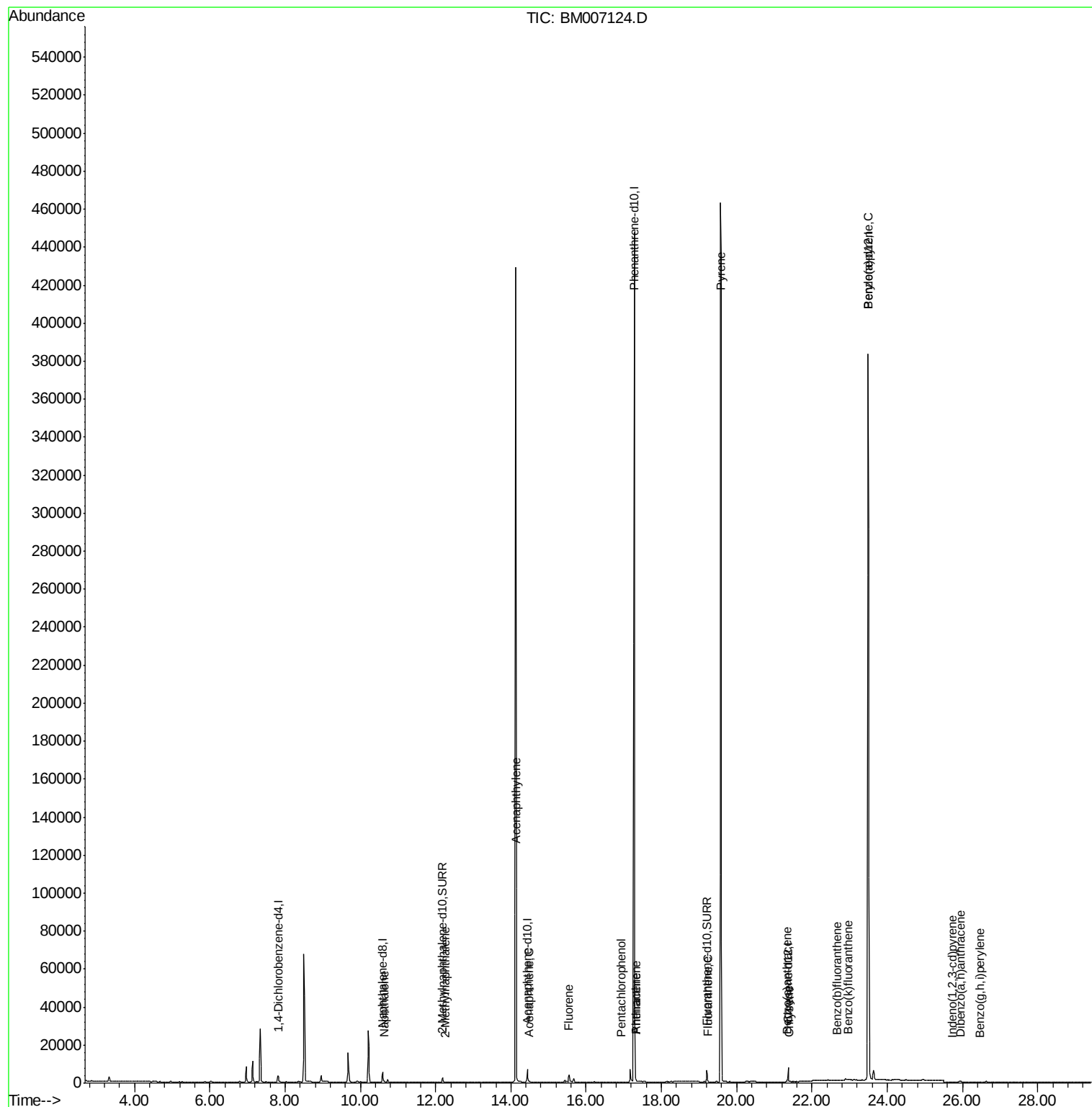
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	541	0.03	ng/ul#	61
5) 2-Methylnaphthalene	12.26	142	122	0.01	ng/ul	92
7) Acenaphthylene	14.14	152	328	0.02	ng/ul#	24
8) Acenaphthene	14.49	153	172	0.01	ng/ul#	71
9) Fluorene	15.55	166	65	0.00	ng/ul#	1
11) Pentachlorophenol	16.94	266	1	0.00	ng/ul#	20
12) Phenanthrene	17.31	178	643	0.00	ng/ul#	47
13) Anthracene	17.31	178	618	0.00	ng/ul#	46
15) Fluoranthene	19.24	202	619	0.00	ng/ul	61
17) Pyrene	19.57	202	1542	0.06	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	357	0.02	ng/ul#	15
19) Chrysene	21.40	228	257	0.01	ng/ul#	36
21) Benzo(b)fluoranthene	22.67	252	21	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.95	252	821	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.49	252	2474	0.00	ng/ul#	53
24) Indeno(1,2,3-cd)pyrene	25.72	276	12	0.00	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.94	278	359	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.47	276	9	0.00	ng/ul#	1

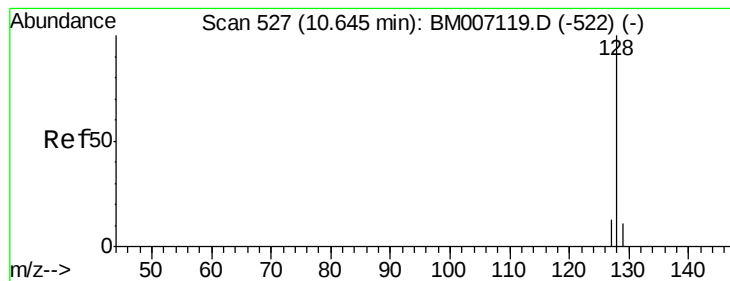
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

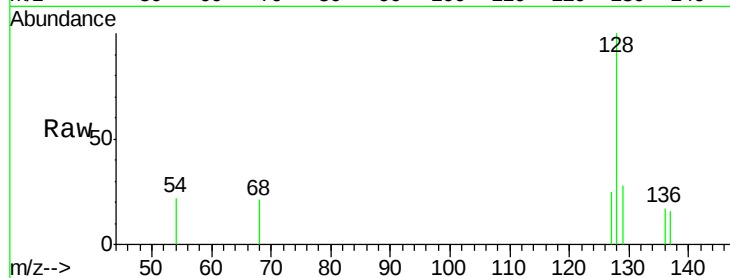
Tgt Ion:128 Resp: 541

Ion Ratio Lower Upper

128 100

129 27.9 9.0 13.6#

127 25.3 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

10.65

400

300

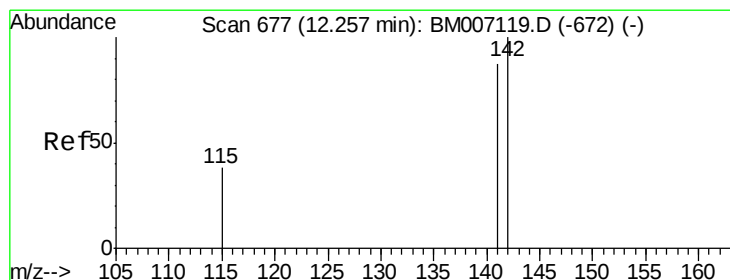
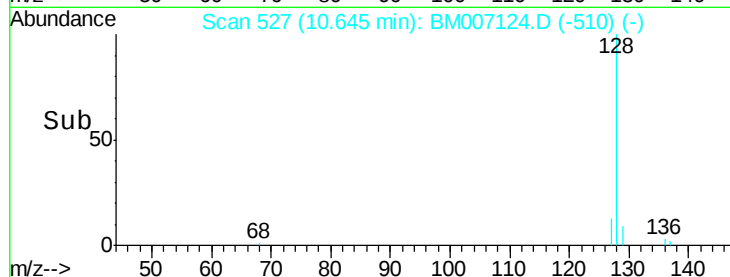
200

100

0

10.60 10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007124.D

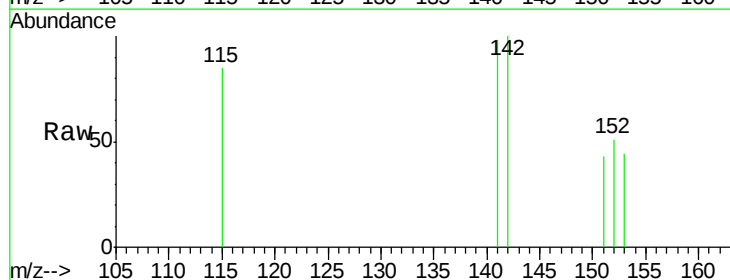
Acq: 15 Aug 2016 19:45

Tgt Ion:142 Resp: 122

Ion Ratio Lower Upper

142 100

141 95.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.26

150

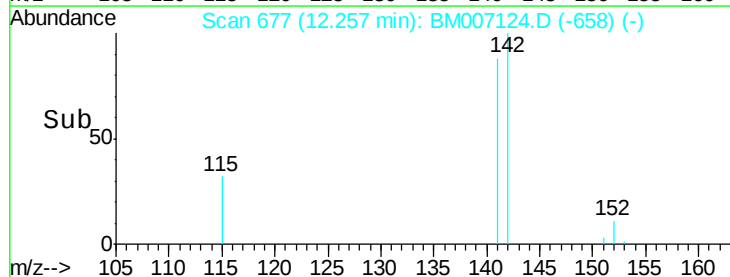
100

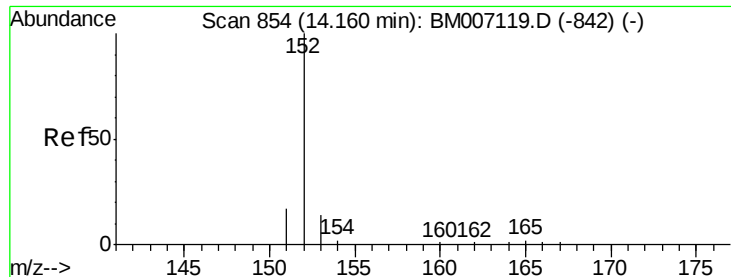
50

0

12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

Tgt Ion:152 Resp: 328

Ion Ratio Lower Upper

152 100

151 48.4 17.6 26.4#

153 55.9 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

14.14

150

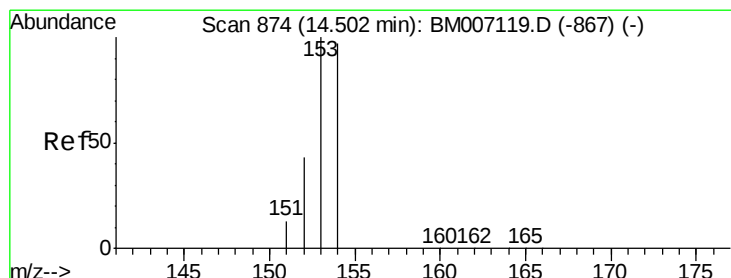
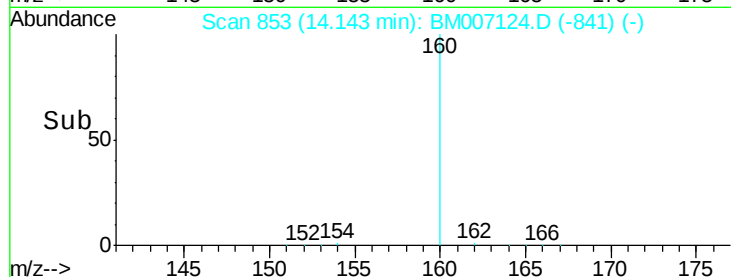
100

50

0

Time-->

14.00 14.20



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

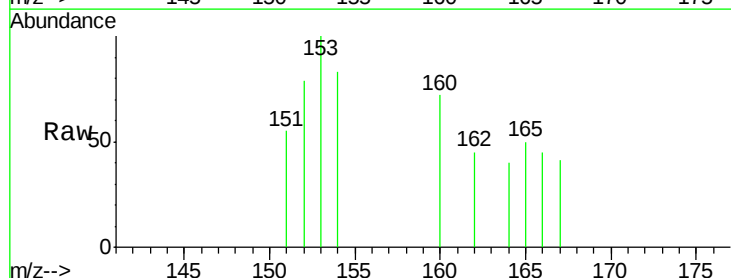
Tgt Ion:153 Resp: 172

Ion Ratio Lower Upper

153 100

152 79.0 33.9 50.9#

154 83.2 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

150

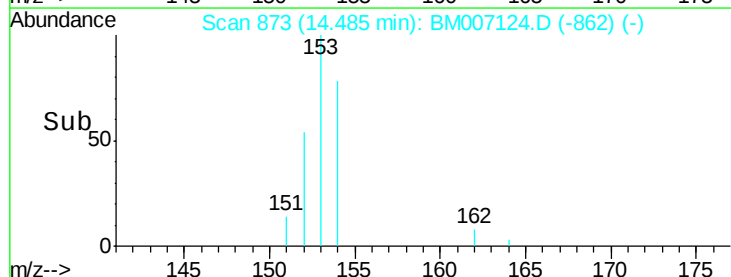
100

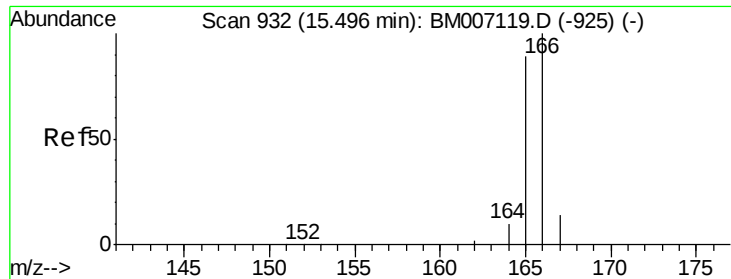
50

0

Time-->

14.45 14.50 14.55





#9

Fluorene

Concen: 0.00 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.05 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

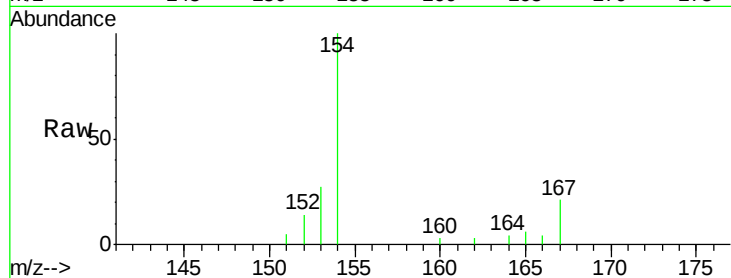
Tgt Ion:166 Resp: 65

Ion Ratio Lower Upper

166 100

165 140.2 69.6 104.4#

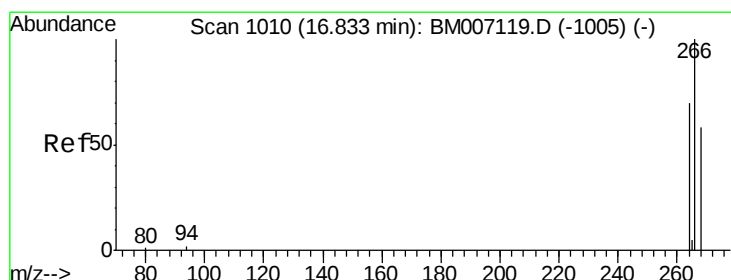
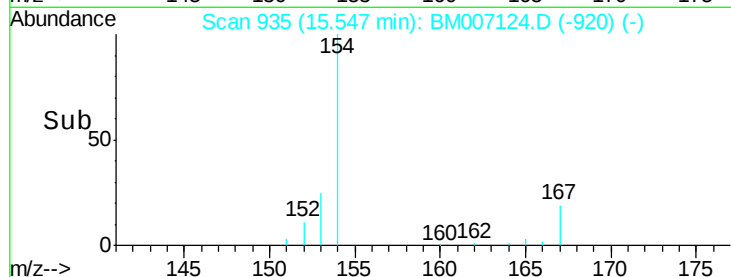
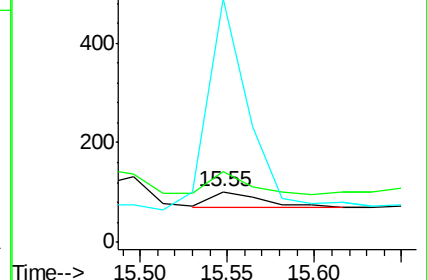
167 479.4 11.9 17.9#



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: 0.00 ng/ul

RT: 16.94 min Scan# 1016

Delta R.T. 0.10 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

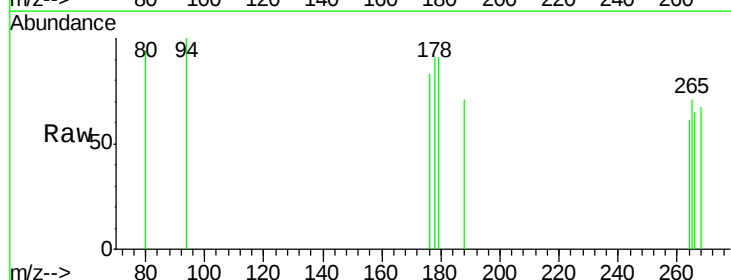
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

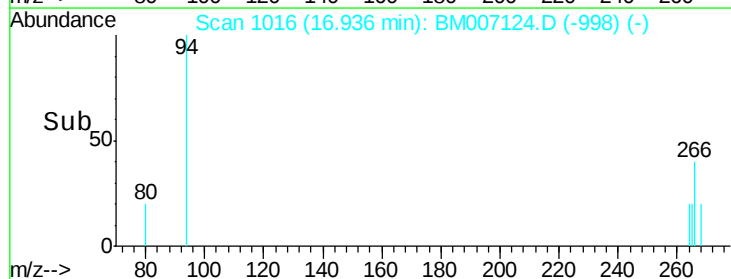
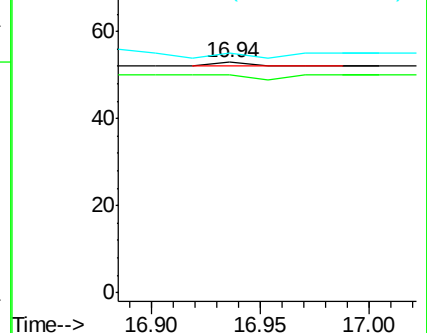
268 0.0 46.8 70.2#

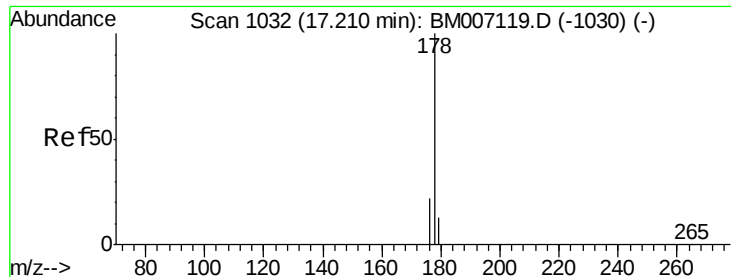


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

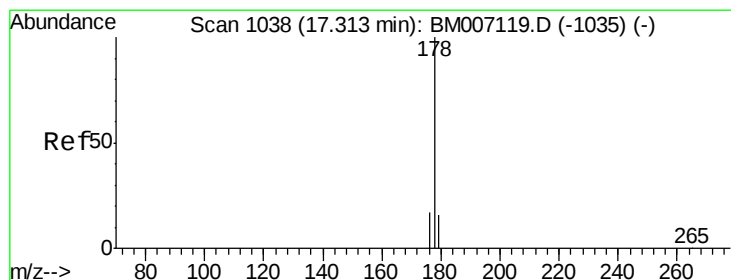
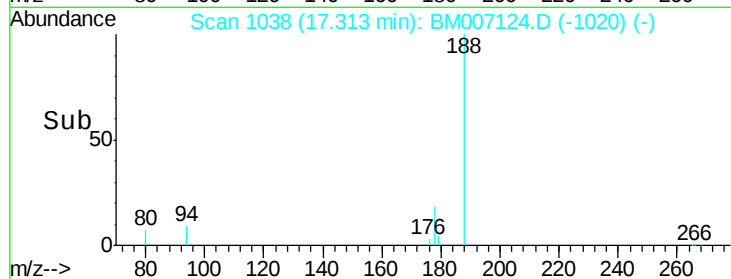
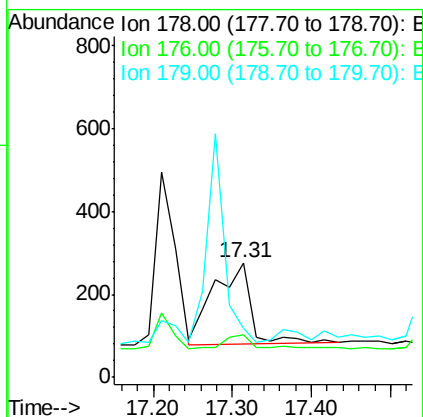
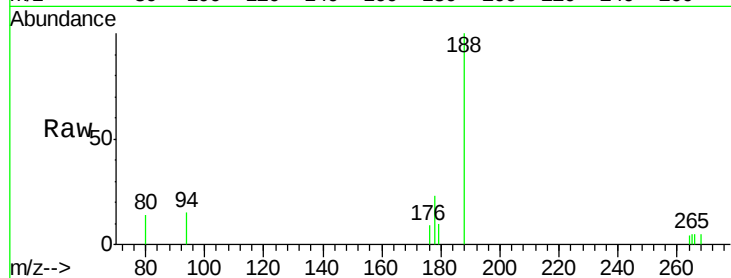
Tgt Ion:178 Resp: 643

Ion Ratio Lower Upper

178 100

176 37.3 13.0 19.4#

179 42.8 14.2 21.2#



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

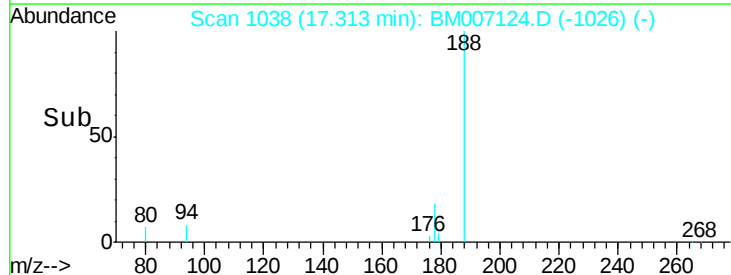
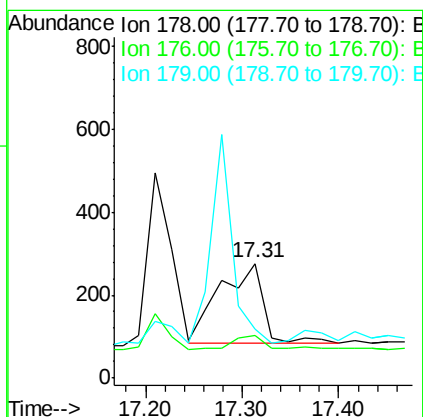
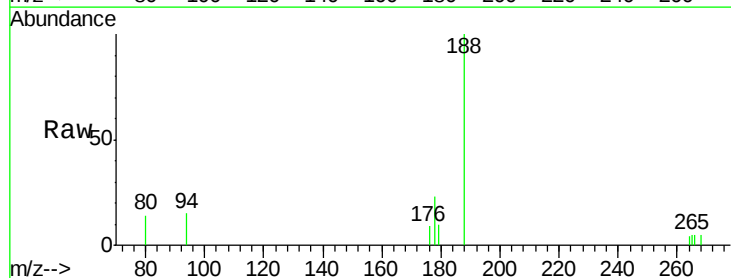
Tgt Ion:178 Resp: 618

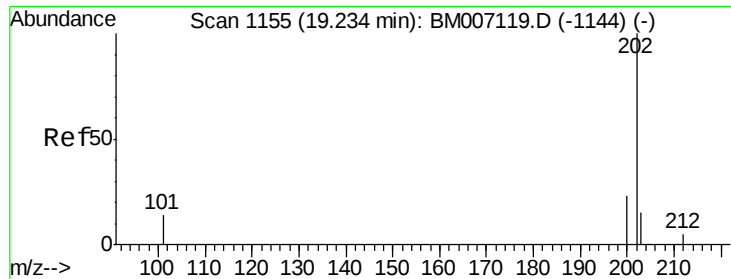
Ion Ratio Lower Upper

178 100

176 37.3 14.0 21.0#

179 42.8 12.9 19.3#

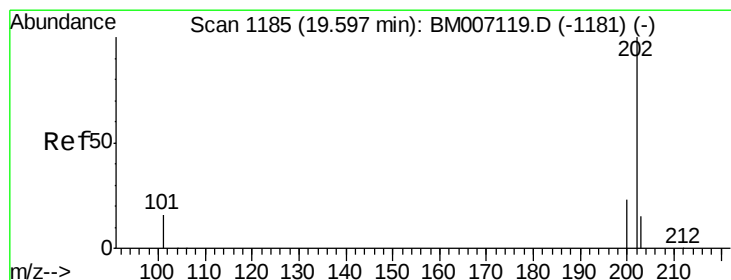
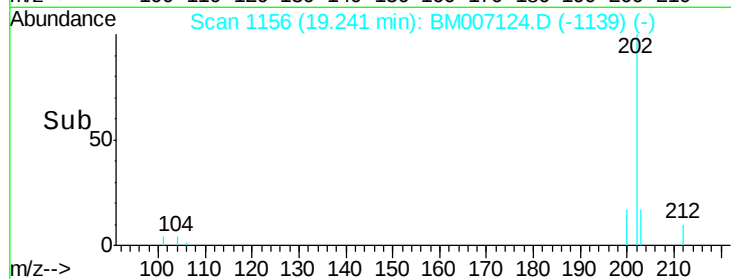
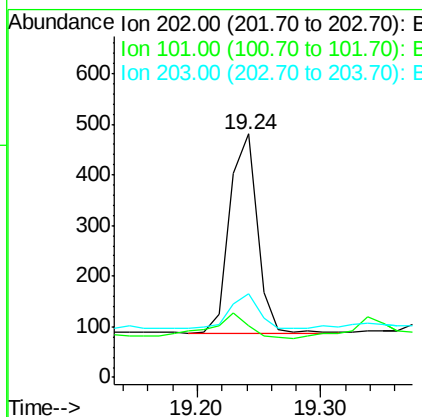
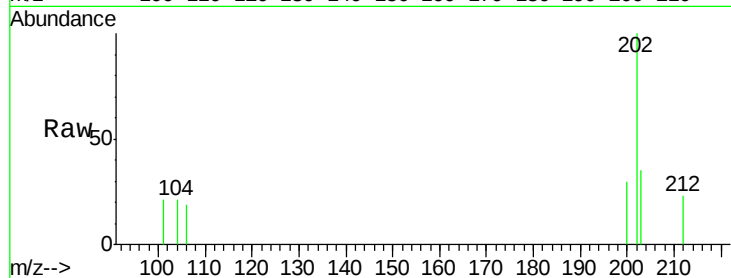




#15
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.24 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BM007124.D
Acq: 15 Aug 2016 19:45

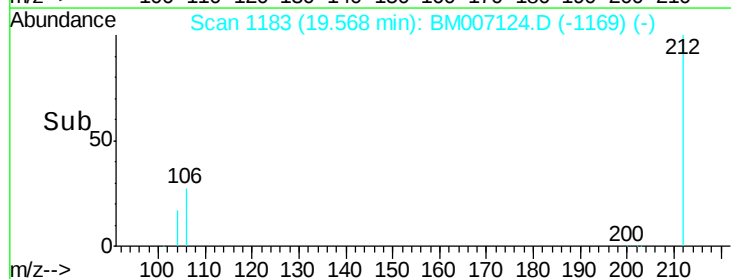
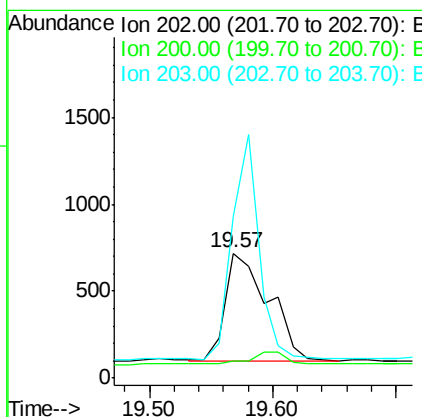
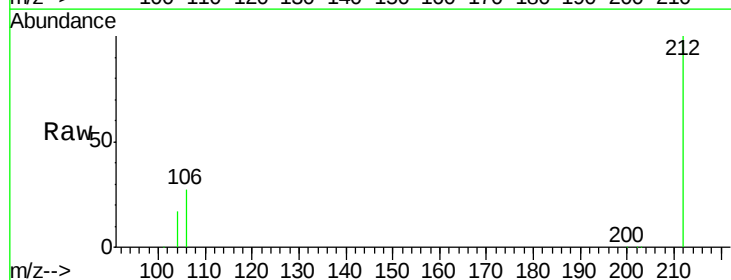
Instrument :
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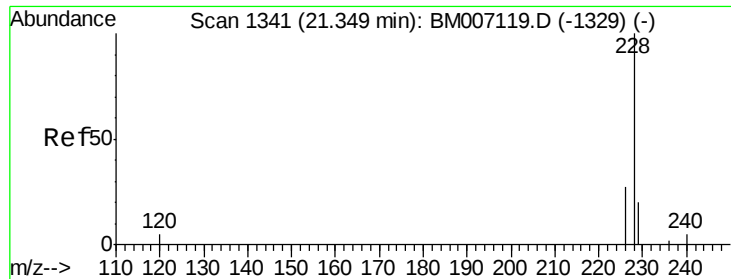
Tgt Ion: 202 Resp: 619
Ion Ratio Lower Upper
202 100
101 21.2 0.0 29.6
203 34.5 0.0 36.3



#17
Pyrene
Concen: 0.06 ng/ul
RT: 19.57 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BM007124.D
Acq: 15 Aug 2016 19:45

Tgt Ion: 202 Resp: 1542
Ion Ratio Lower Upper
202 100
200 13.4 17.8 26.8#
203 129.1 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampled :

A4V18

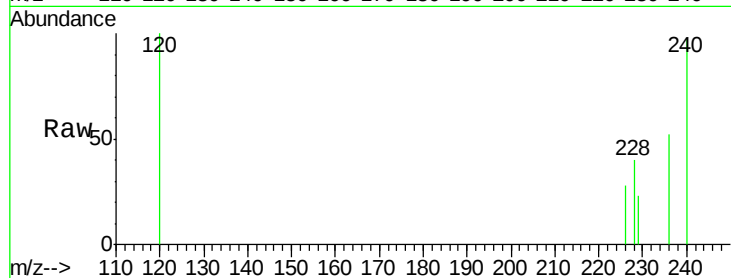
Tgt Ion:228 Resp: 357

Ion Ratio Lower Upper

228 100

226 69.8 18.8 28.2#

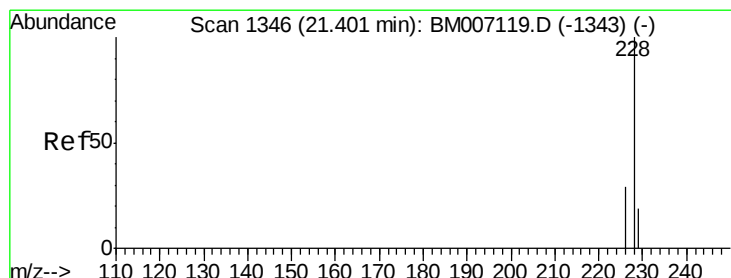
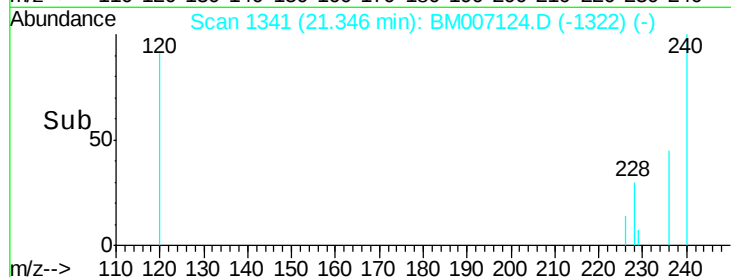
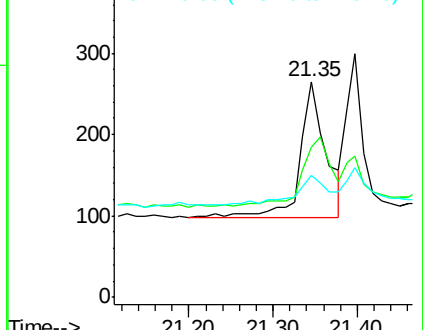
229 56.6 17.1 25.7#



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: BM007124.D

Acq: 15 Aug 2016 19:45

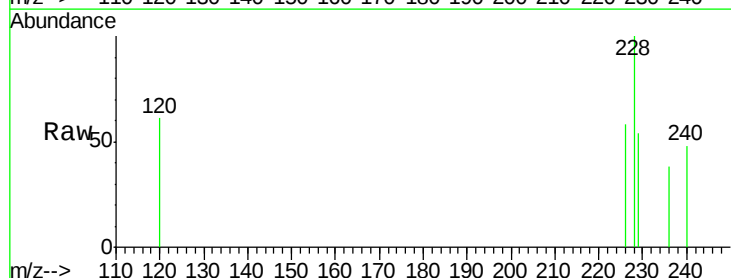
Tgt Ion:228 Resp: 257

Ion Ratio Lower Upper

228 100

226 57.9 21.2 31.8#

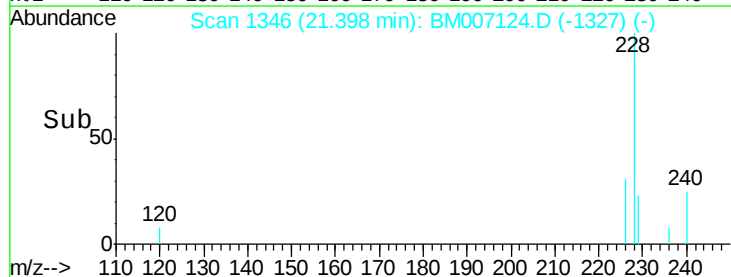
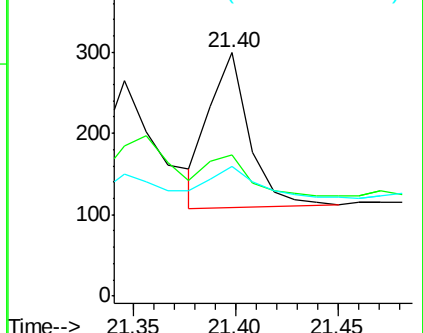
229 53.5 17.0 25.6#

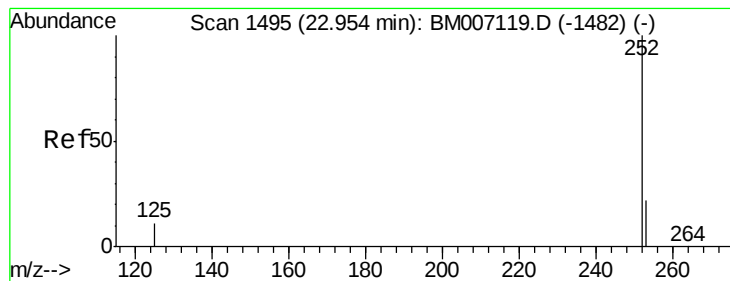


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.67 min Scan# 1468

Delta R.T. -0.28 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

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A4V18

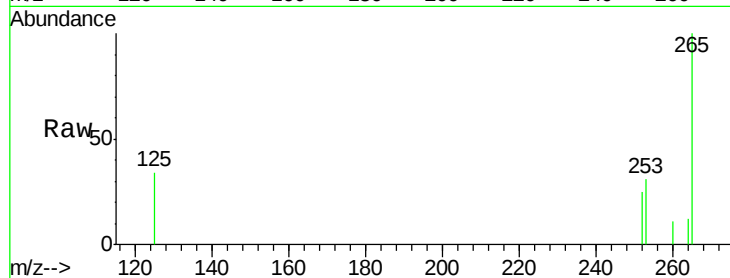
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 124.2 0.0 45.4#

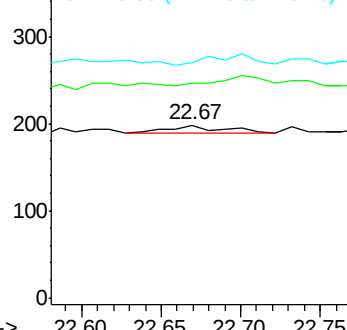
125 136.4 0.0 28.8#



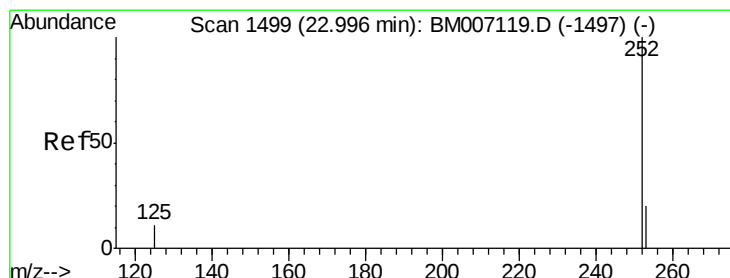
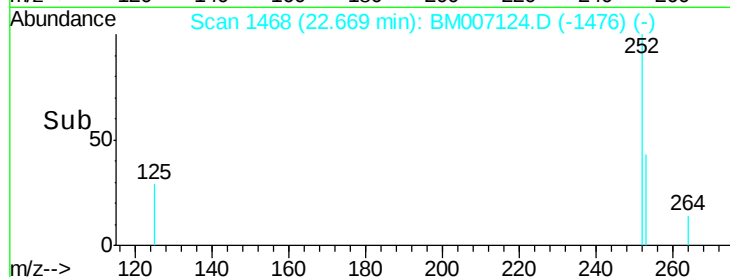
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.95 min Scan# 1495

Delta R.T. -0.05 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

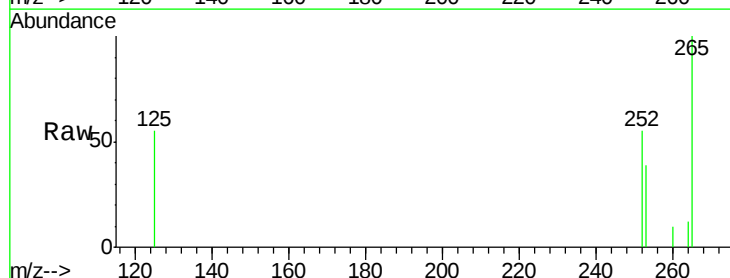
Tgt Ion:252 Resp: 821

Ion Ratio Lower Upper

252 100

253 69.8 19.8 29.8#

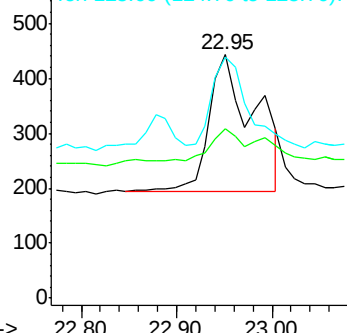
125 99.1 10.4 15.6#



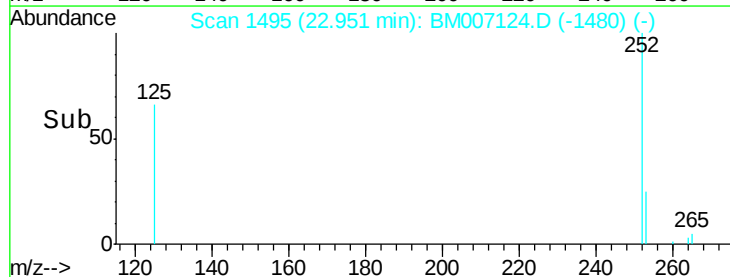
Abundance Ion 252.00 (251.70 to 252.70): E

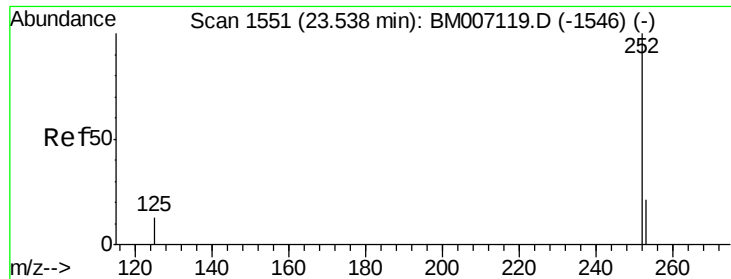
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.49 min Scan# 1547

Delta R.T. -0.05 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

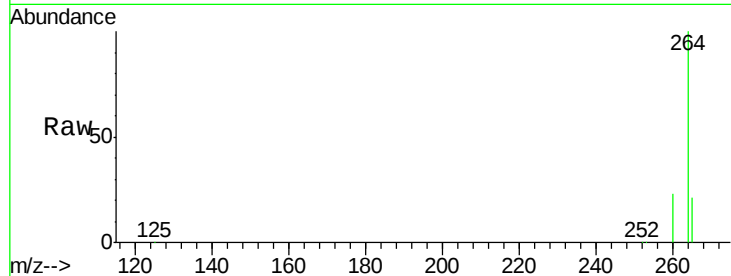
Tgt Ion:252 Resp: 2474

Ion Ratio Lower Upper

252 100

253 44.8 19.4 29.2#

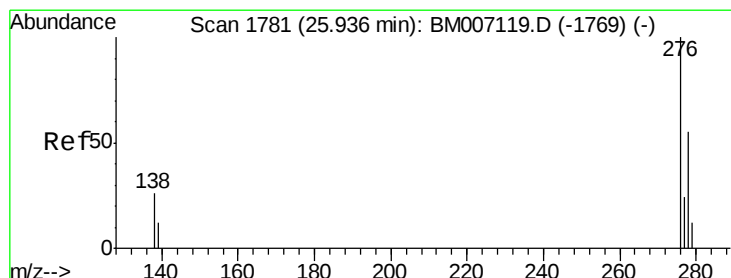
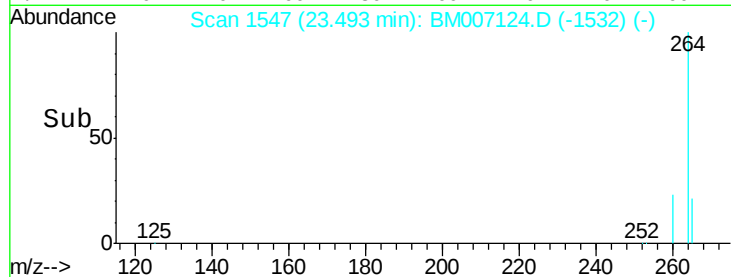
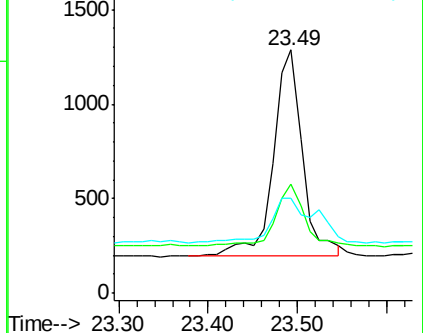
125 39.3 12.7 19.1#



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: 25.72 min Scan# 1761

Delta R.T. -0.21 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

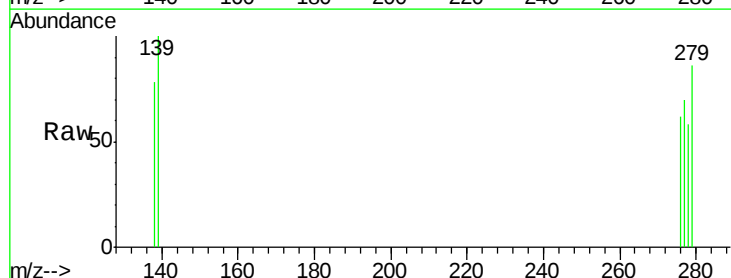
Tgt Ion:276 Resp: 12

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

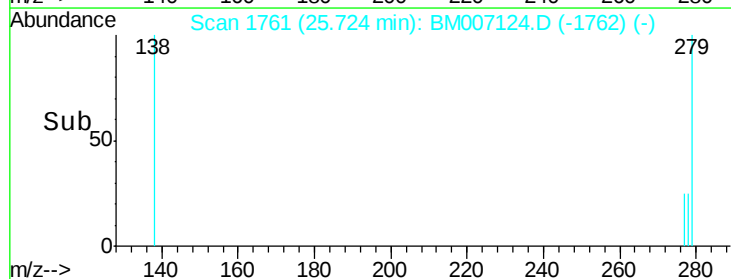
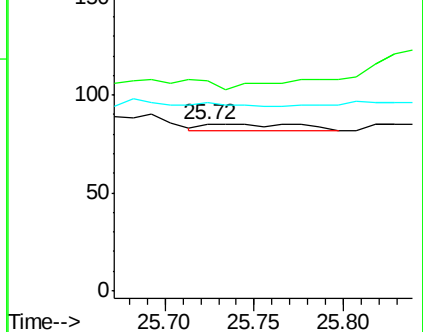
277 25.0 19.8 29.8

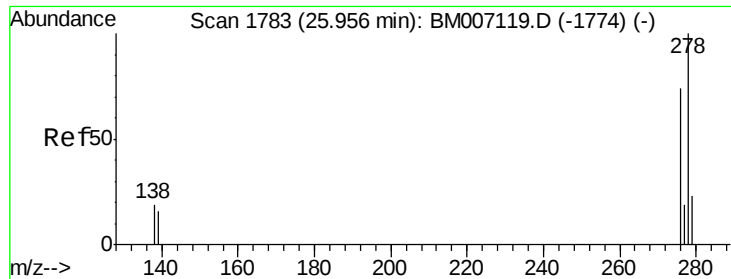


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM007124.D

Acq: 15 Aug 2016 19:45

Instrument :

BNA_M

ClientSampleId :

A4V18

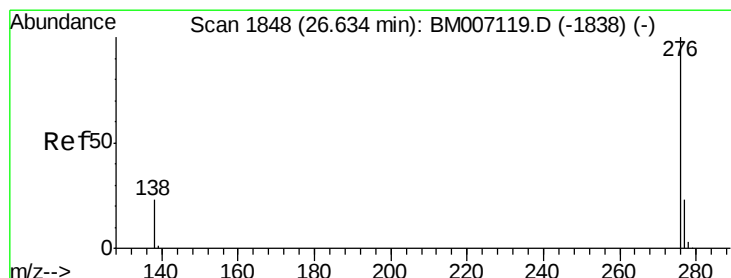
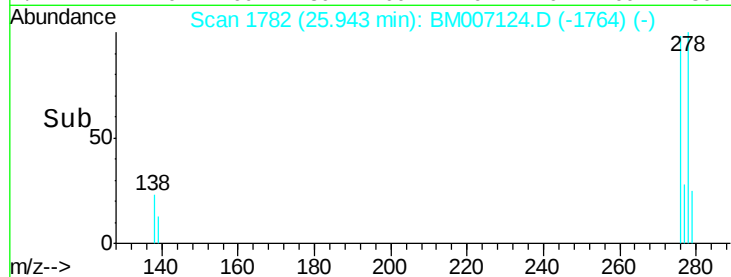
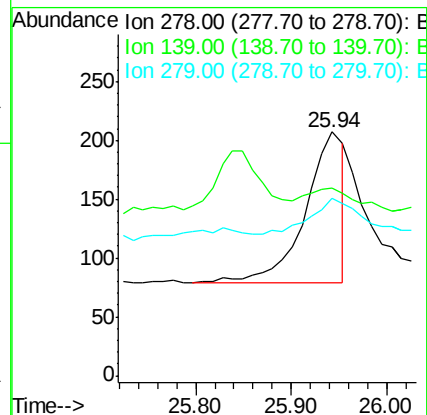
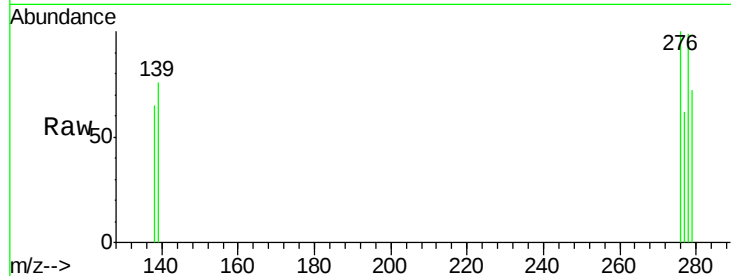
Tgt Ion:278 Resp: 359

Ion Ratio Lower Upper

278 100

139 76.8 16.4 24.6#

279 72.9 20.2 30.2#



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. -0.16 min

Lab File: BM007124.D

Acq: 15 Aug 2016 19:45

Tgt Ion:276 Resp: 9

Ion Ratio Lower Upper

276 100

277 108.1 18.9 28.3#

138 123.3 22.5 33.7#

