

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081516\
 Data File : BM007129.D
 Acq On : 15 Aug 2016 22:45
 Operator : UM/SJ
 Sample : H4338-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4V22

Quant Time: Aug 16 01:56:17 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	2109	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	7388	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3810	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	590477	0.40	ng/ul	0.10
16) Chrysene-d12	21.36	240	7629	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	544104	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3151	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	6863	0.01	ng/ul	0.00

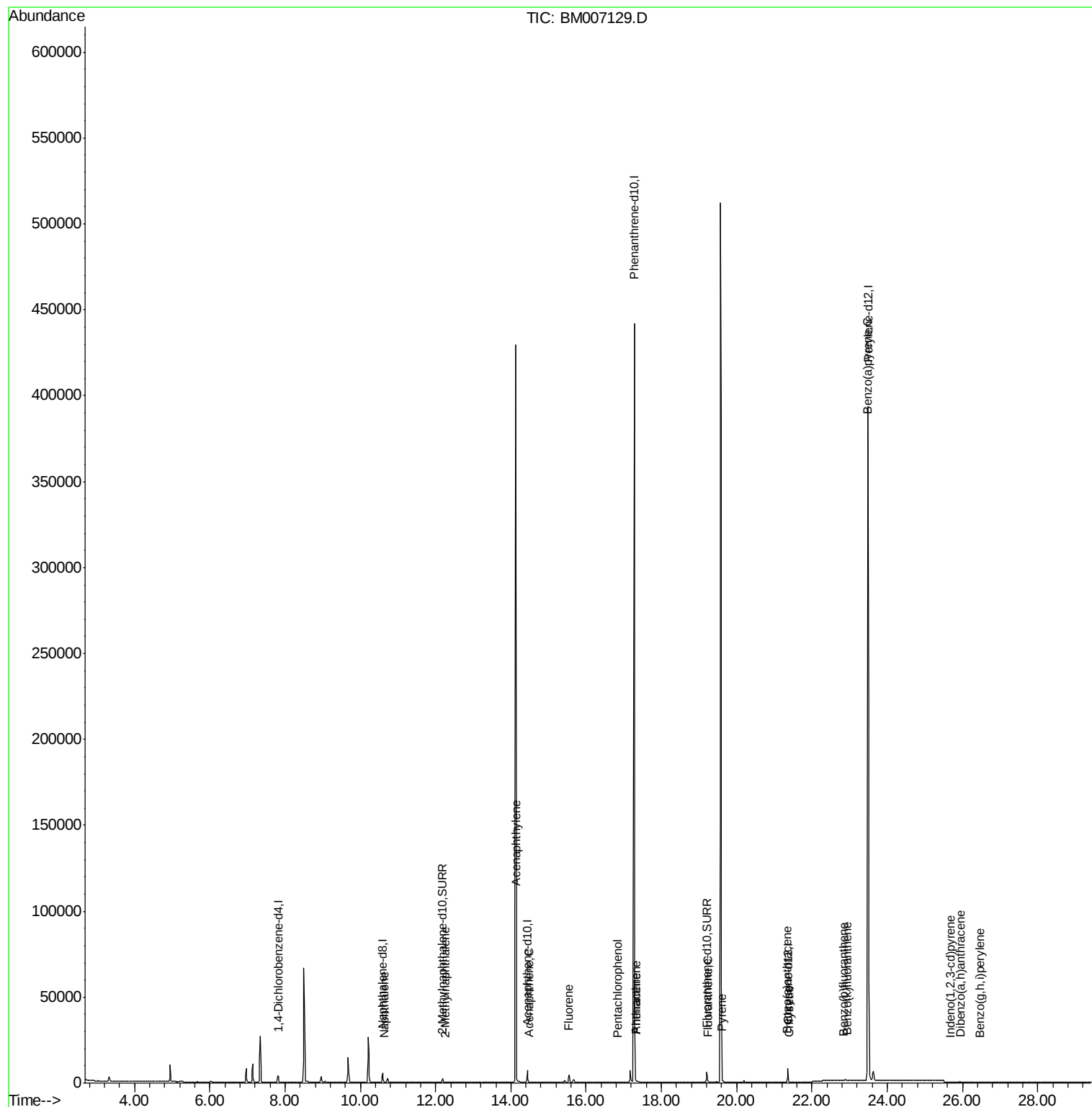
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	107	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.26	142	53	0.00	ng/ul	85
7) Acenaphthylene	14.14	152	265	0.01	ng/ul#	19
8) Acenaphthene	14.49	153	121	0.01	ng/ul#	73
9) Fluorene	15.55	166	71	0.00	ng/ul#	1
11) Pentachlorophenol	16.83	266	19	0.00	ng/ul#	68
12) Phenanthrene	17.31	178	560	0.00	ng/ul#	45
13) Anthracene	17.31	178	545	0.00	ng/ul#	45
15) Fluoranthene	19.24	202	649	0.00	ng/ul	66
17) Pyrene	19.60	202	2090	0.08	ng/ul#	85
18) Benzo(a)anthracene	21.35	228	266	0.01	ng/ul#	25
19) Chrysene	21.40	228	278	0.01	ng/ul#	43
21) Benzo(b)fluoranthene	22.85	252	14	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.94	252	470	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.48	252	2626	0.00	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	25.68	276	30	0.00	ng/ul#	63
25) Dibenzo(a,h)anthracene	25.94	278	371	0.00	ng/ul#	8
26) Benzo(g,h,i)perylene	26.47	276	4	0.00	ng/ul#	1

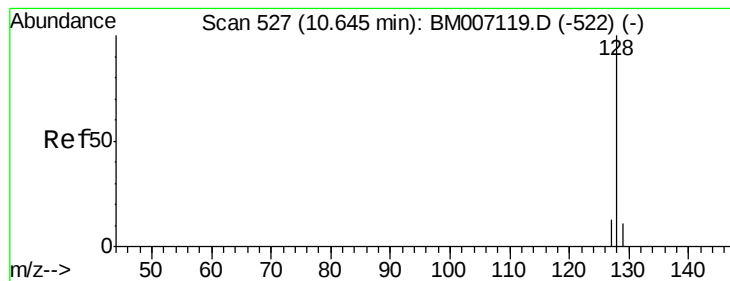
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

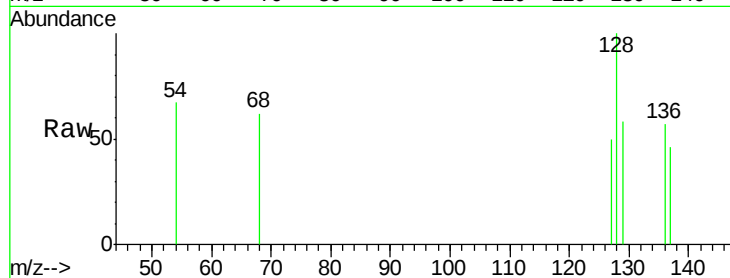
Tgt Ion:128 Resp: 107

Ion Ratio Lower Upper

128 100

129 57.9 9.0 13.6#

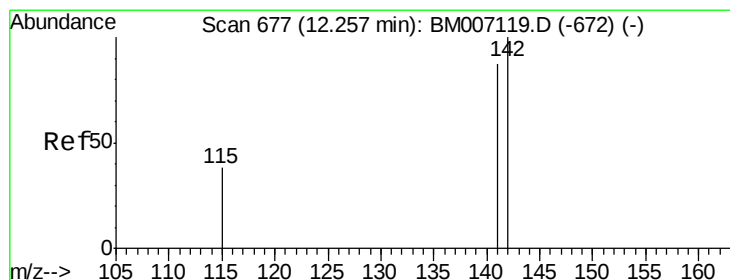
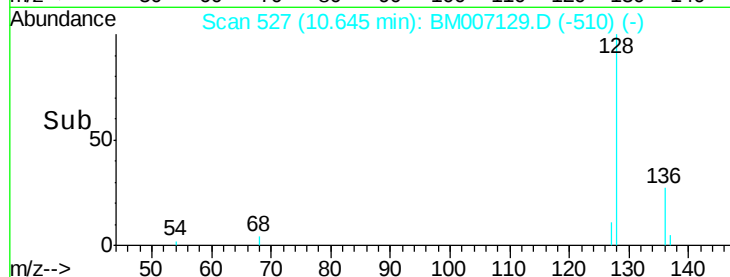
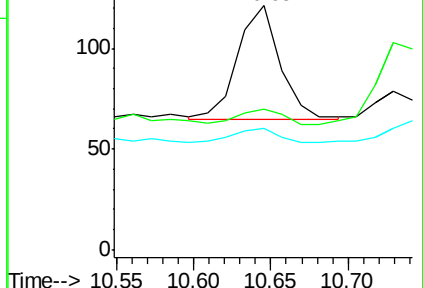
127 49.6 9.6 14.4#



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: BM007129.D

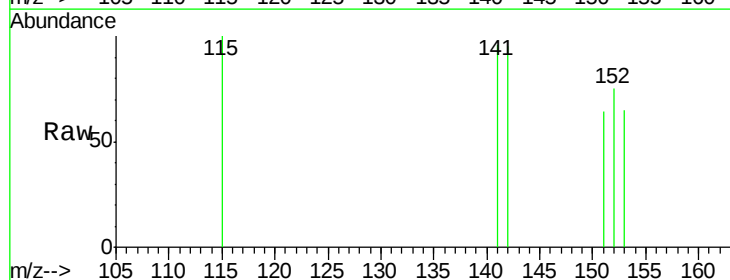
Acq: 15 Aug 2016 22:45

Tgt Ion:142 Resp: 53

Ion Ratio Lower Upper

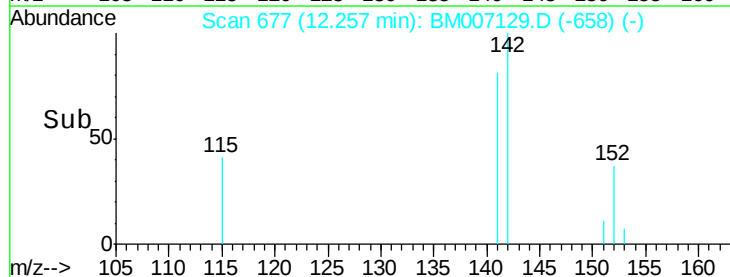
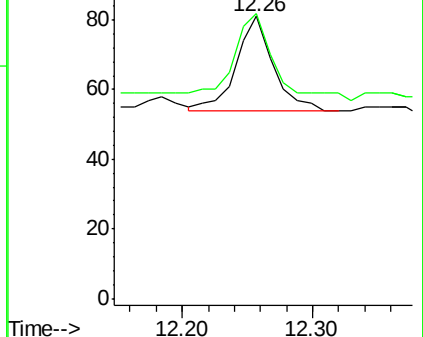
142 100

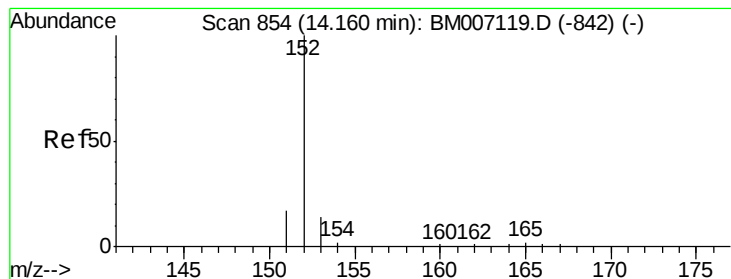
141 101.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

Tgt Ion:152 Resp: 265

Ion Ratio Lower Upper

152 100

151 52.1 17.6 26.4#

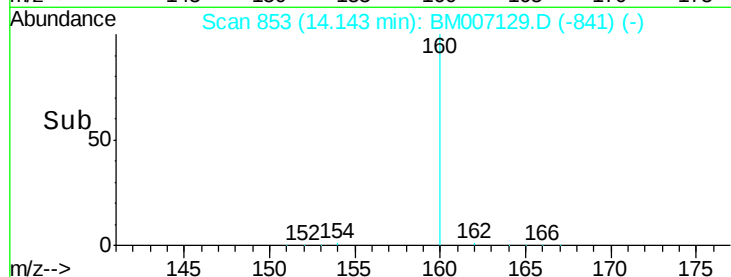
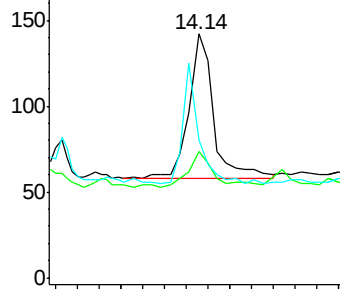
153 56.3 9.7 14.5#



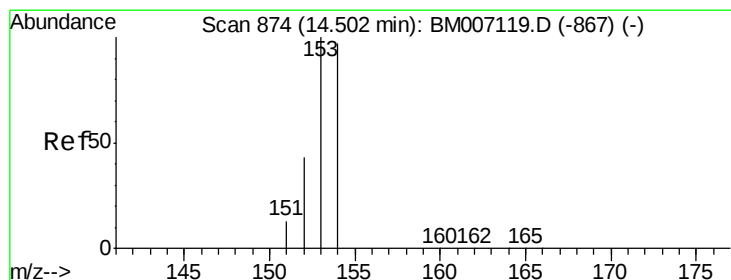
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

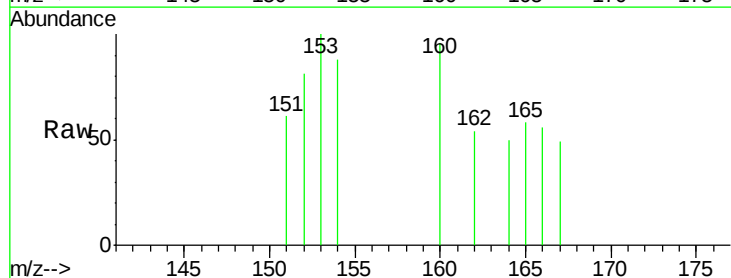
Tgt Ion:153 Resp: 121

Ion Ratio Lower Upper

153 100

152 80.9 33.9 50.9#

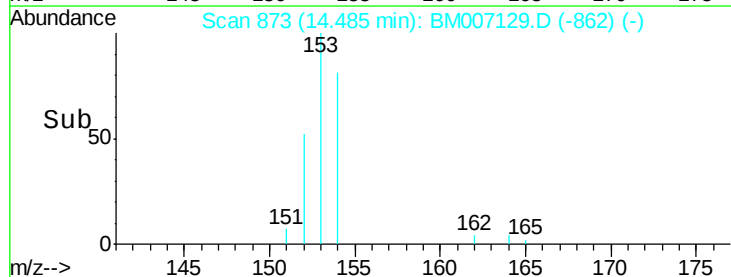
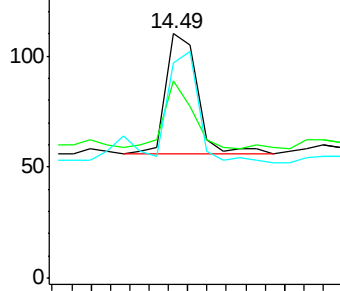
154 88.2 80.6 121.0



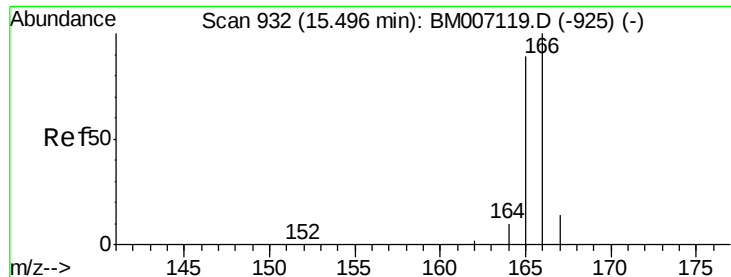
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.00 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.05 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

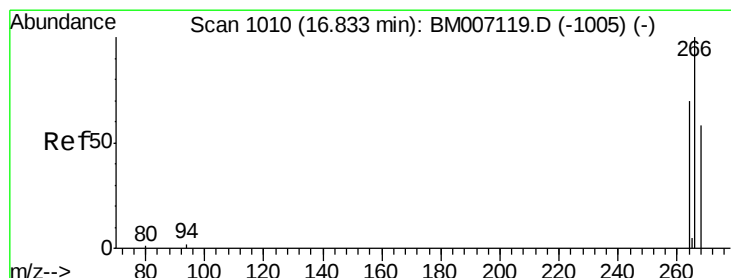
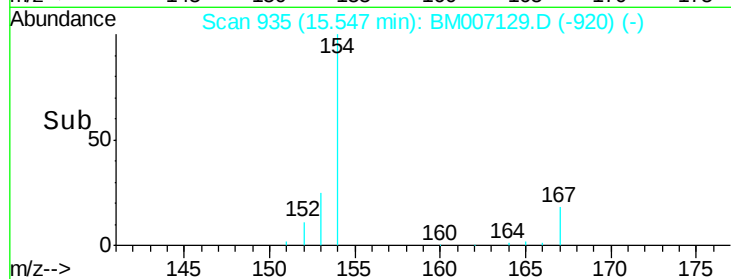
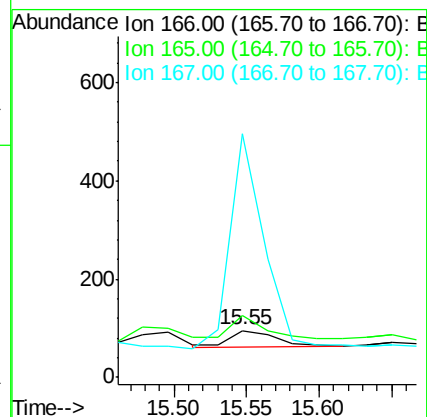
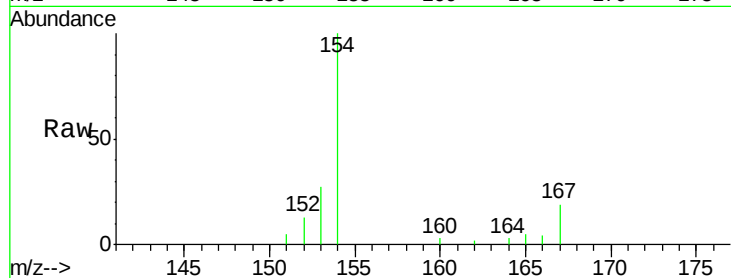
Tgt Ion:166 Resp: 71

Ion Ratio Lower Upper

166 100

165 132.6 69.6 104.4#

167 522.1 11.9 17.9#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

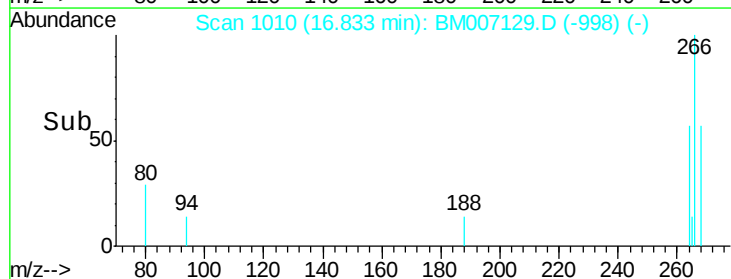
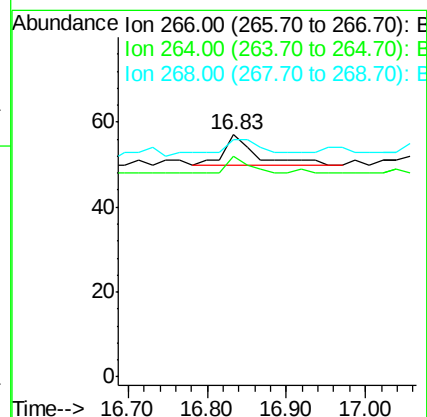
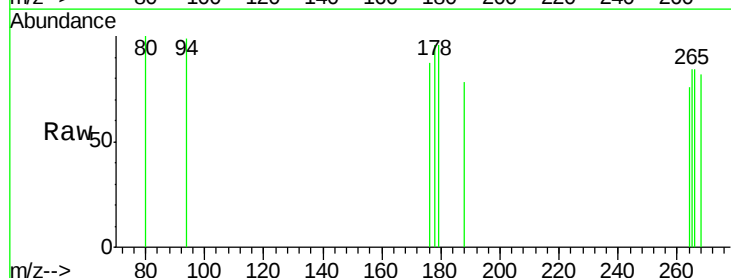
Tgt Ion:266 Resp: 19

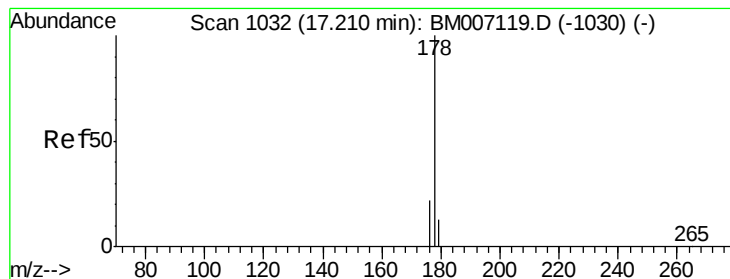
Ion Ratio Lower Upper

266 100

264 36.8 51.8 77.8#

268 36.8 46.8 70.2#





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.10 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

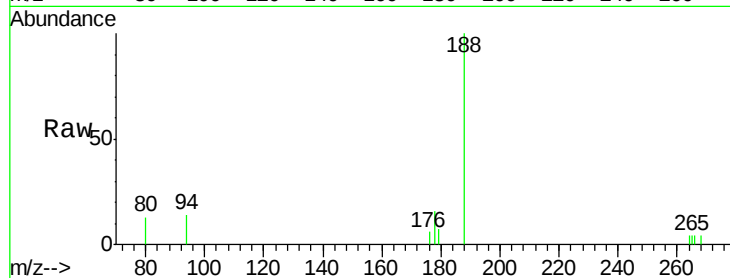
Tgt Ion:178 Resp: 560

Ion Ratio Lower Upper

178 100

176 38.6 13.0 19.4#

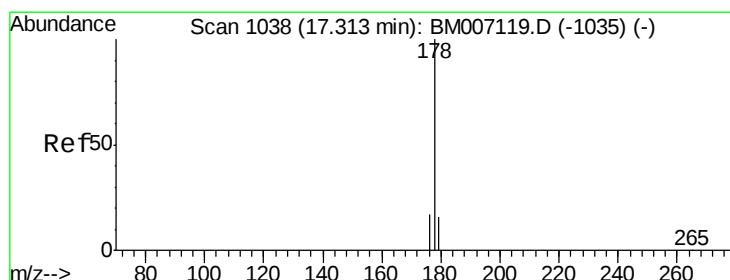
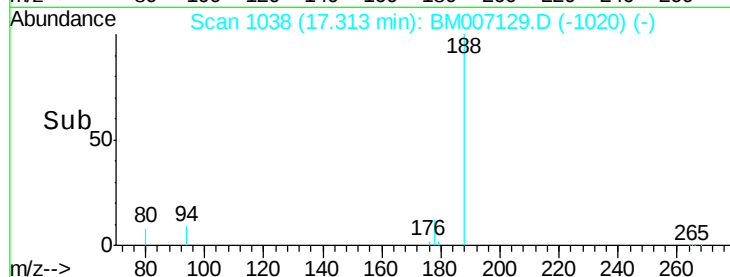
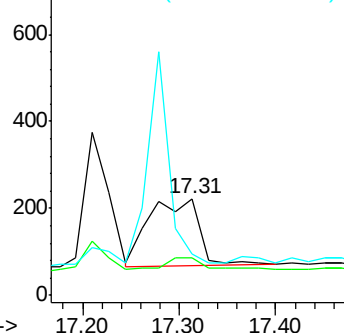
179 43.0 14.2 21.2#



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



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

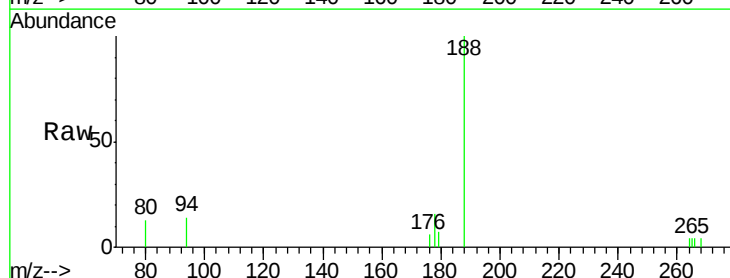
Tgt Ion:178 Resp: 545

Ion Ratio Lower Upper

178 100

176 38.6 14.0 21.0#

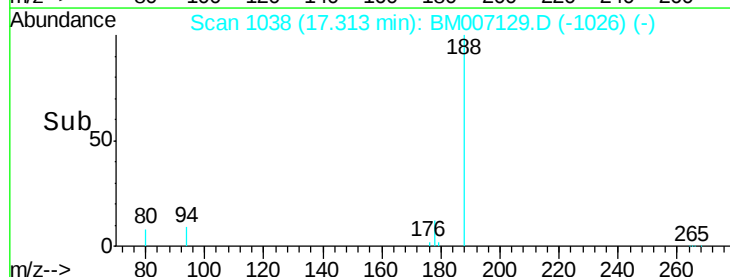
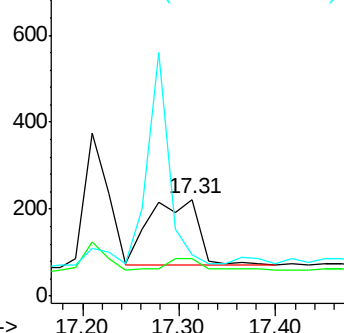
179 43.0 12.9 19.3#

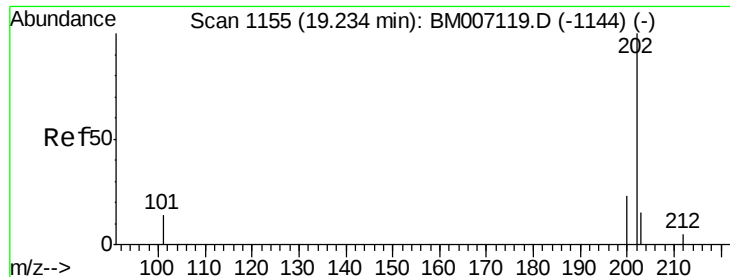


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.24 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

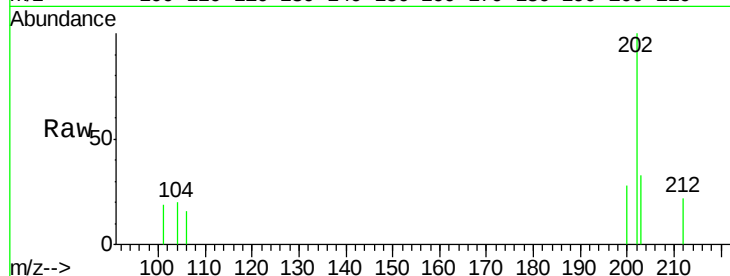
Tgt Ion:202 Resp: 649

Ion Ratio Lower Upper

202 100

101 18.6 0.0 29.6

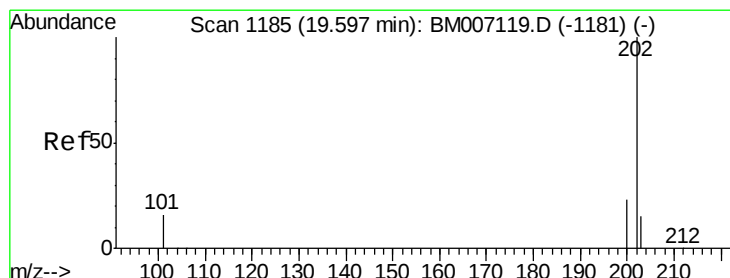
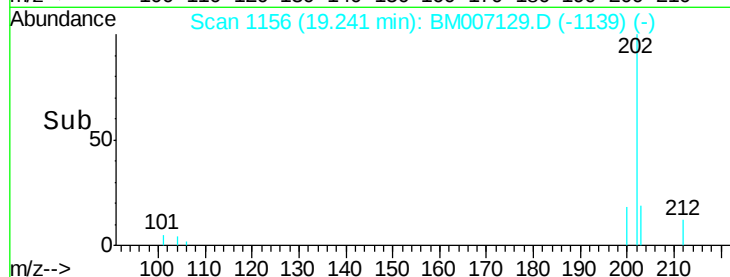
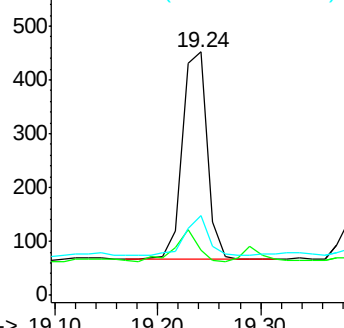
203 33.0 0.0 36.3



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: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

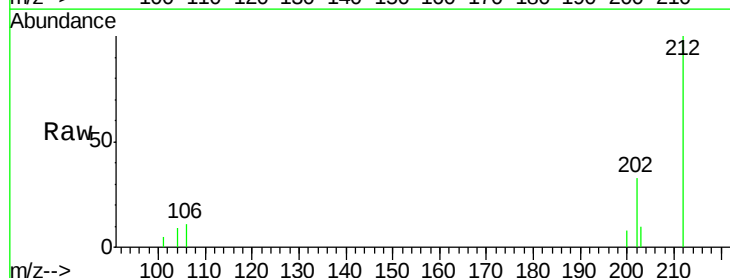
Tgt Ion:202 Resp: 2090

Ion Ratio Lower Upper

202 100

200 23.6 17.8 26.8

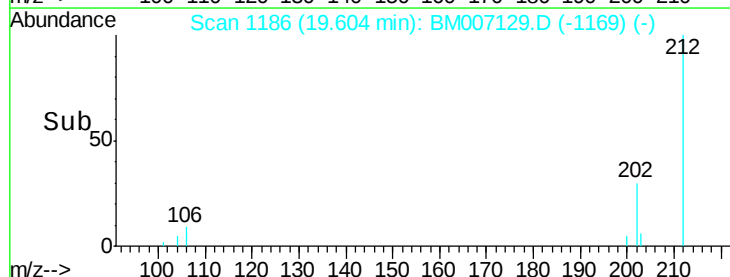
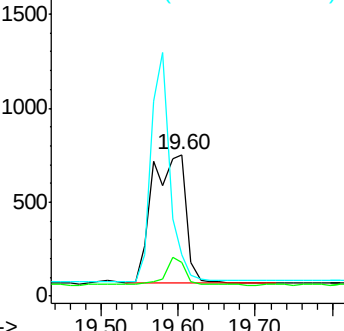
203 29.6 12.8 19.2#

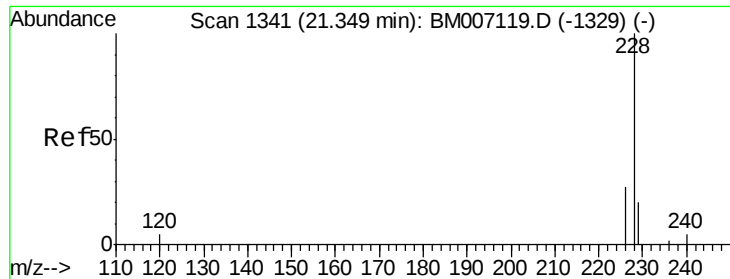


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

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ClientSampleId :

A4V22

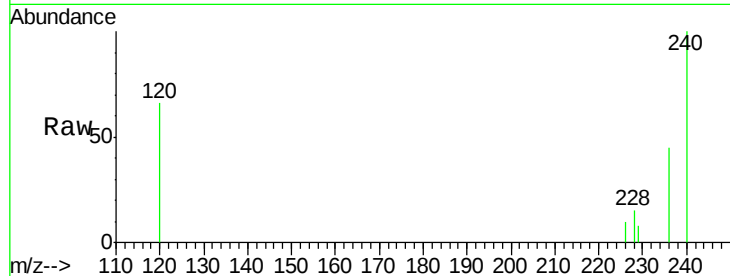
Tgt Ion:228 Resp: 266

Ion Ratio Lower Upper

228 100

226 65.2 18.8 28.2#

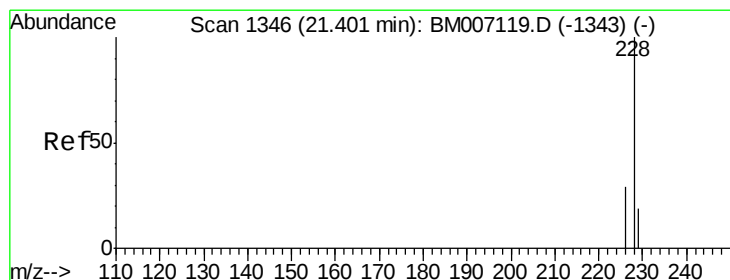
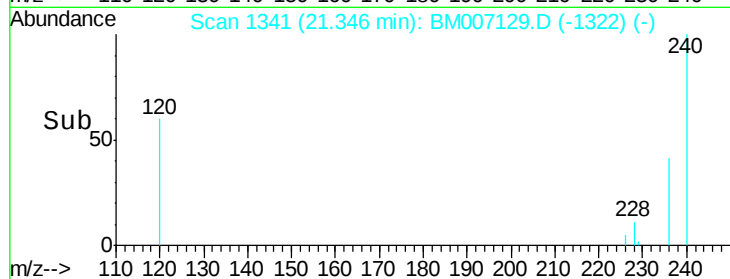
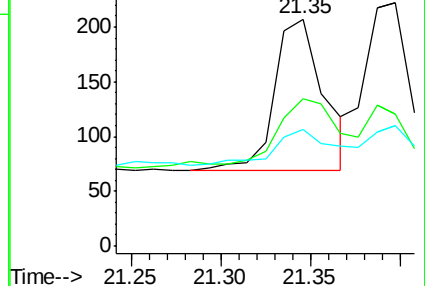
229 51.7 17.1 25.7#



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: BM007129.D

Acq: 15 Aug 2016 22:45

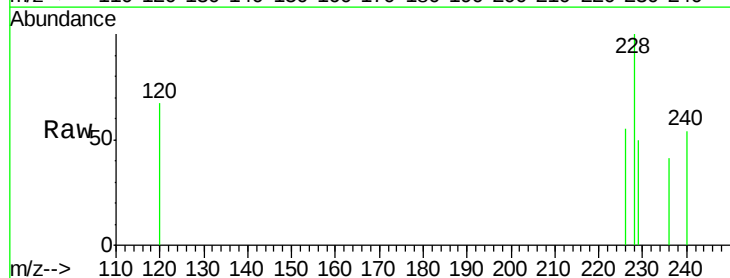
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 54.5 21.2 31.8#

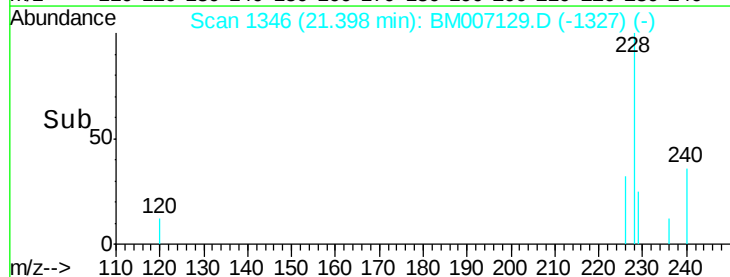
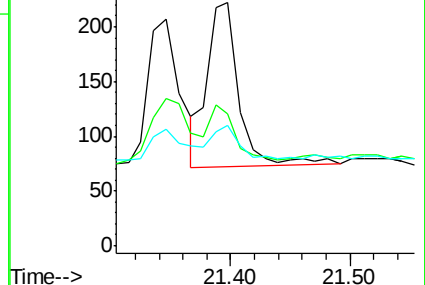
229 49.5 17.0 25.6#

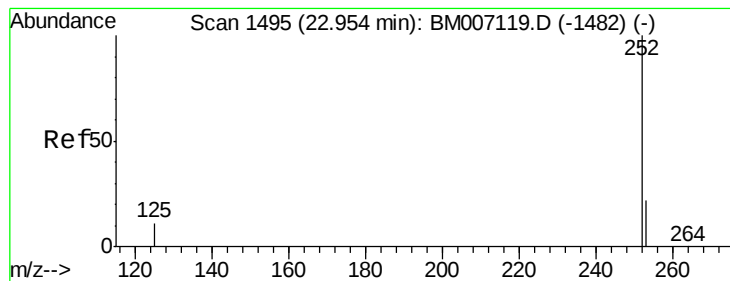


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.11 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

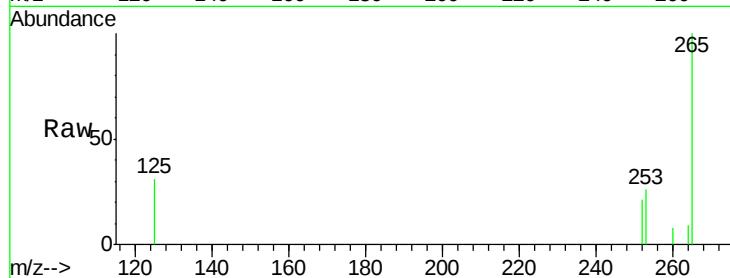
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 121.1 0.0 45.4#

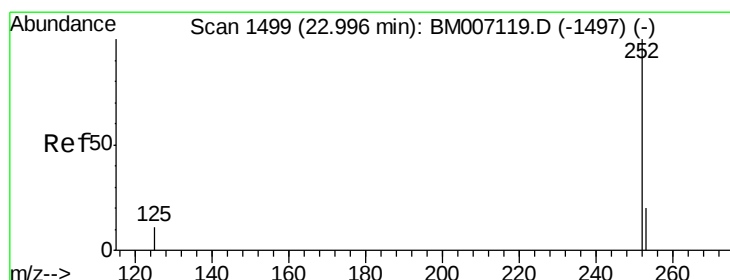
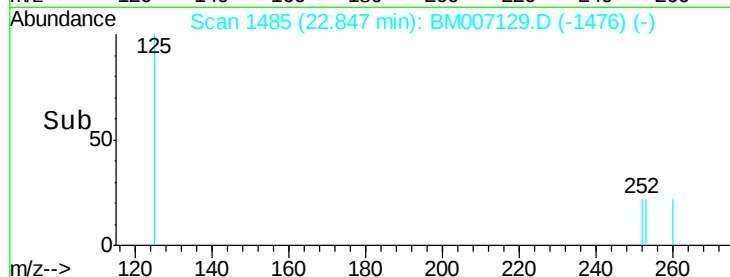
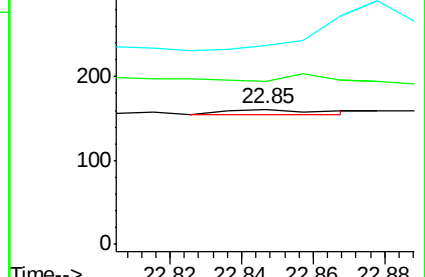
125 147.2 0.0 28.8#



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/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.06 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

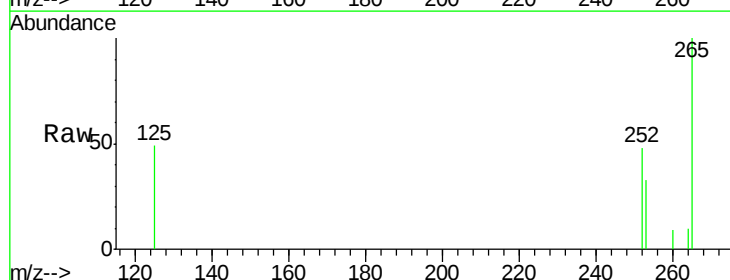
Tgt Ion:252 Resp: 470

Ion Ratio Lower Upper

252 100

253 67.9 19.8 29.8#

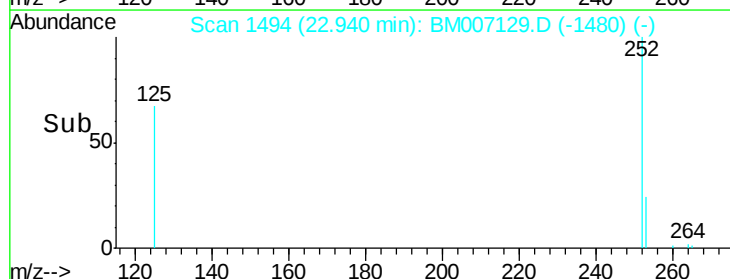
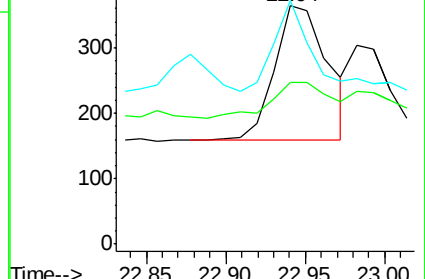
125 102.2 10.4 15.6#

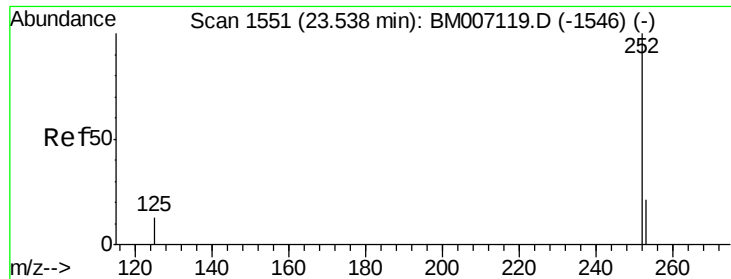


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.48 min Scan# 1546

Delta R.T. -0.06 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

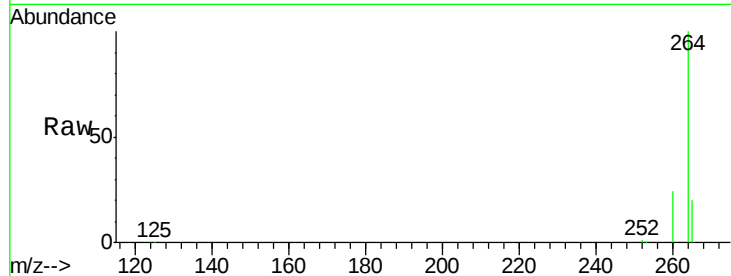
Tgt Ion:252 Resp: 2626

Ion Ratio Lower Upper

252 100

253 39.5 19.4 29.2#

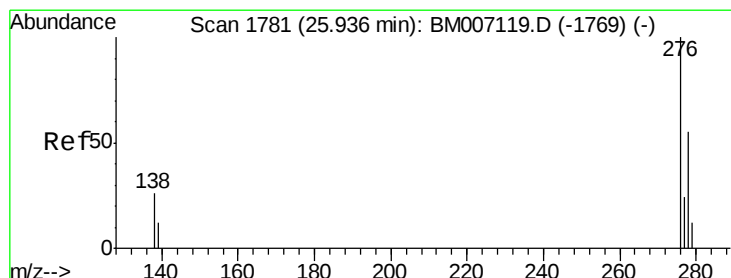
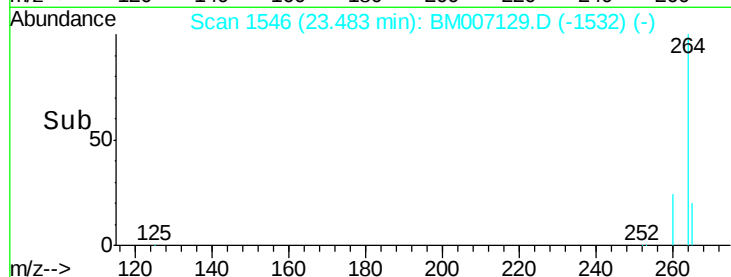
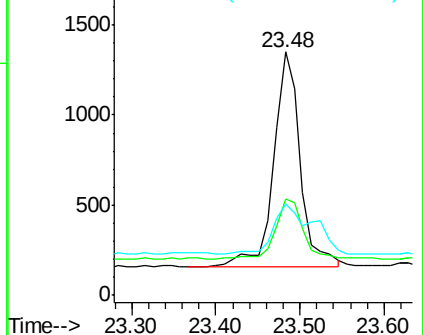
125 37.6 12.7 19.1#



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: 25.68 min Scan# 1757

Delta R.T. -0.25 min

Lab File: BM007129.D

Acq: 15 Aug 2016 22:45

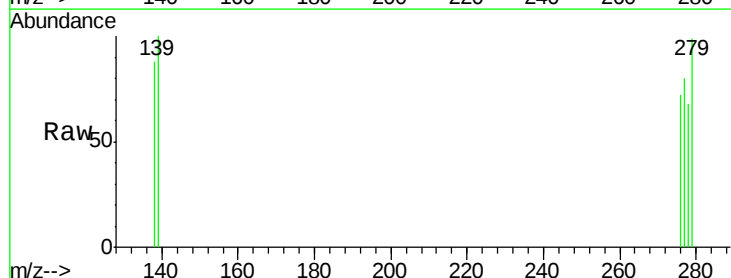
Tgt Ion:276 Resp: 30

Ion Ratio Lower Upper

276 100

138 10.0 16.3 24.5#

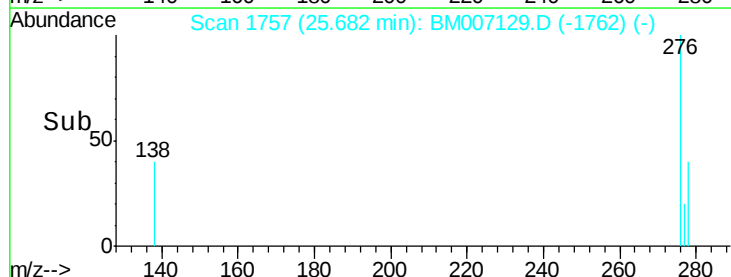
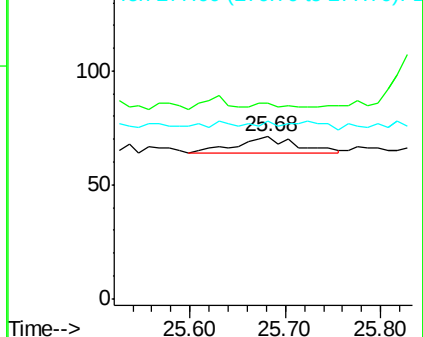
277 0.0 19.8 29.8#

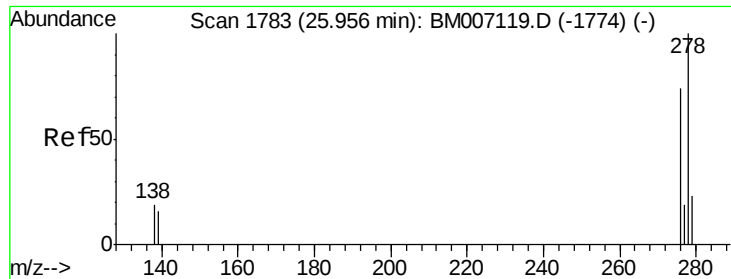


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM007129.D

Acq: 15 Aug 2016 22:45

Instrument :

BNA_M

ClientSampleId :

A4V22

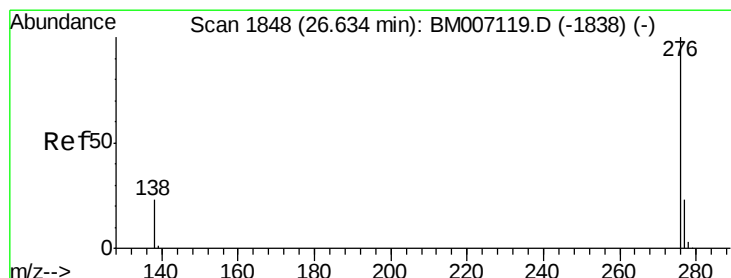
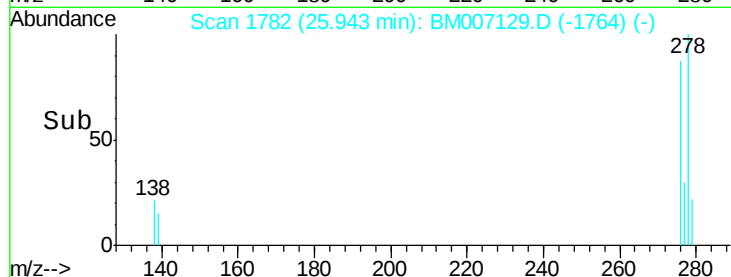
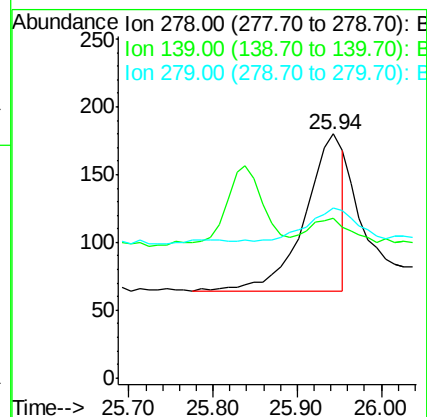
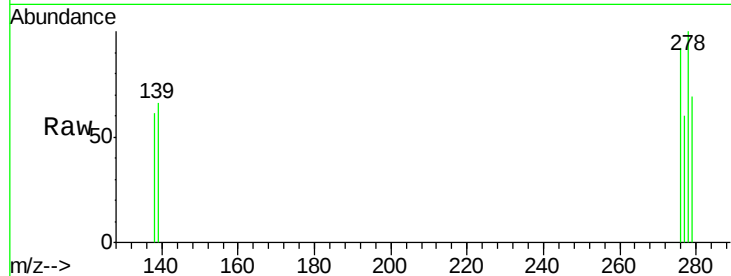
Tgt Ion: 278 Resp: 371

Ion Ratio Lower Upper

278 100

139 65.6 16.4 24.6#

279 69.4 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: BM007129.D

Acq: 15 Aug 2016 22:45

Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 110.3 18.9 28.3#

138 127.9 22.5 33.7#

