

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006328.D
 Acq On : 07 Jul 2016 20:30
 Operator : UM/SJ
 Sample : H3914-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TS0

Quant Time: Jul 08 03:46:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5025	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20490	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	12303	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1691349	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	18792	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	1024304	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2616	1.23	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	8387	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	21835	0.01	ng/ul	-0.01

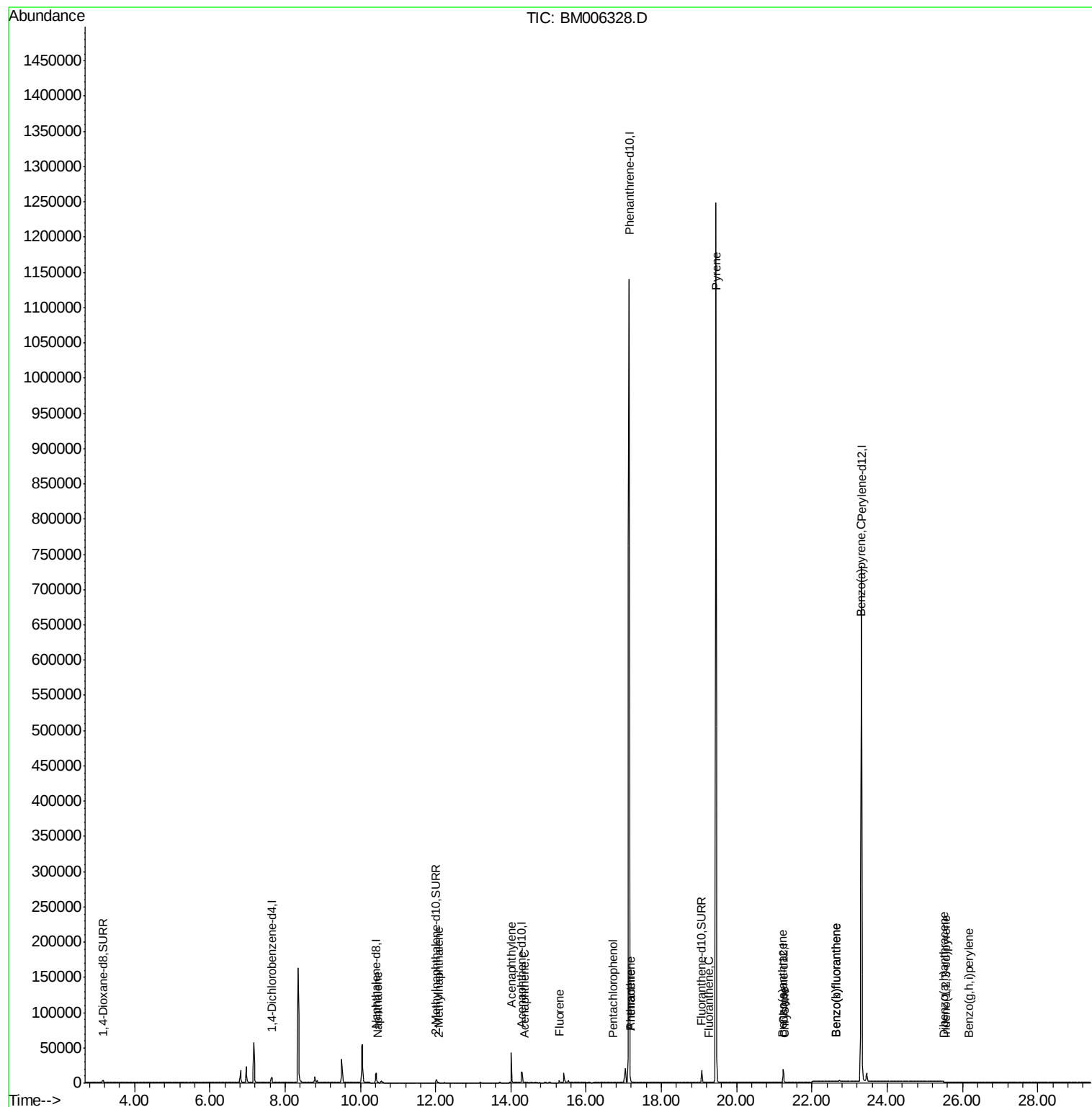
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.46	128	183	0.00	ng/ul#	2
7) 2-Methylnaphthalene	12.09	142	82	0.00	ng/ul	86
9) Acenaphthylene	14.01	152	247	0.01	ng/ul#	30
10) Acenaphthene	14.35	153	82	0.00	ng/ul#	73
11) Fluorene	15.29	166	3243	0.07	ng/ul#	21
13) Pentachlorophenol	16.71	266	83	0.00	ng/ul	93
14) Phenanthrene	17.18	178	8537	0.00	ng/ul	97
15) Anthracene	17.18	178	8561	0.00	ng/ul	96
17) Fluoranthene	19.25	202	46	0.00	ng/ul#	1
19) Pyrene	19.45	202	2989	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.22	228	485	0.01	ng/ul#	46
21) Chrysene	21.27	228	310	0.01	ng/ul#	40
23) Benzo(b)fluoranthene	22.65	252	65	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.65	252	65	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4546	0.00	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	25.56	276	551	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.50	278	809	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.16	276	15	0.00	ng/ul#	1

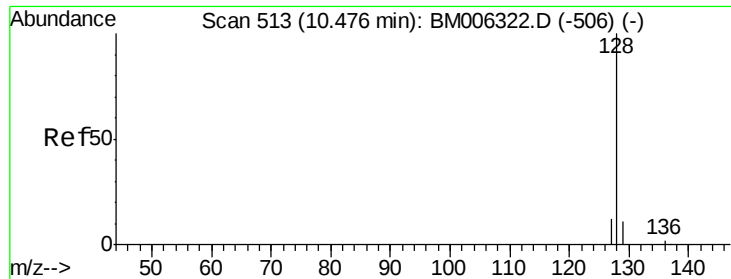
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

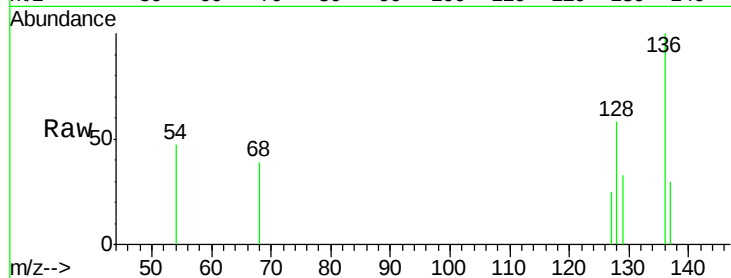
Tgt Ion:128 Resp: 183

Ion Ratio Lower Upper

128 100

129 56.5 9.0 13.6#

127 42.9 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

10.46

150

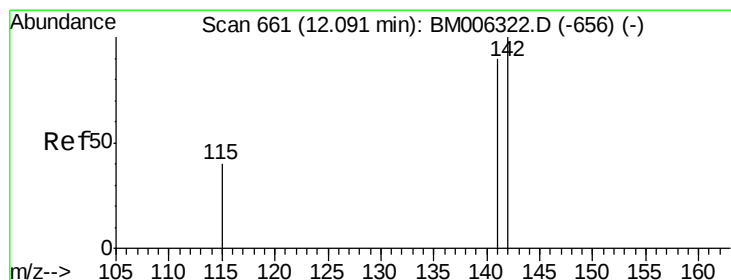
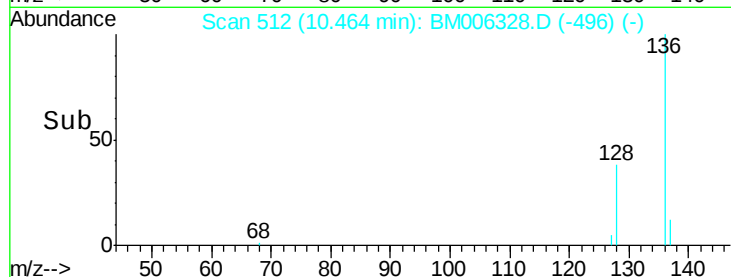
100

50

0

10.40 10.45 10.50 10.55

Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006328.D

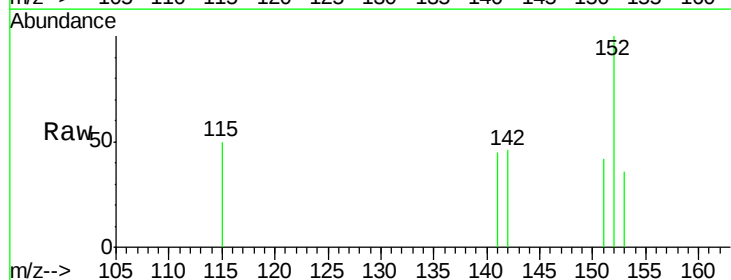
Acq: 07 Jul 2016 20:30

Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

141 101.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

100

80

60

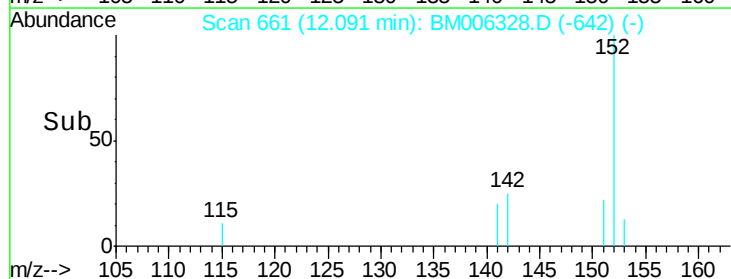
40

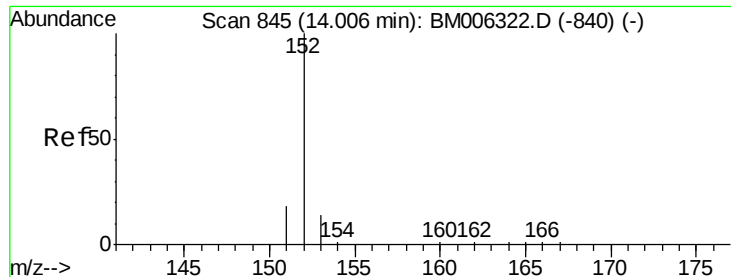
20

0

12.00 12.10 12.20

Time-->





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

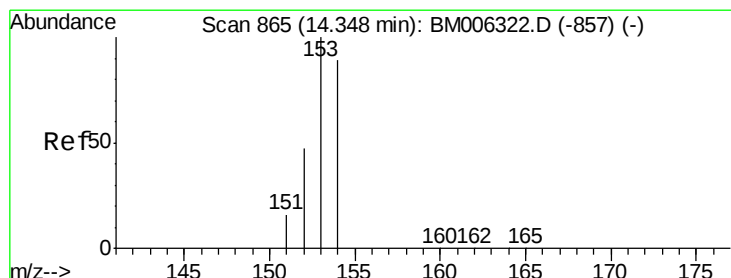
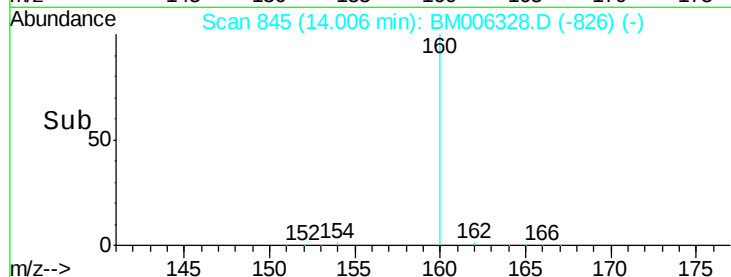
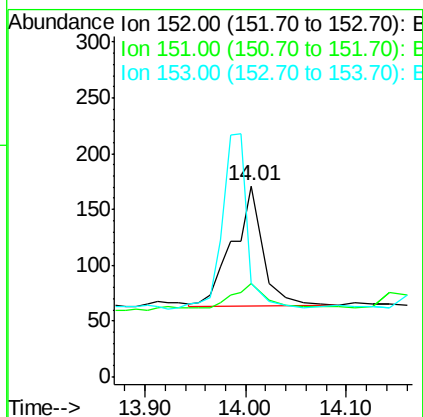
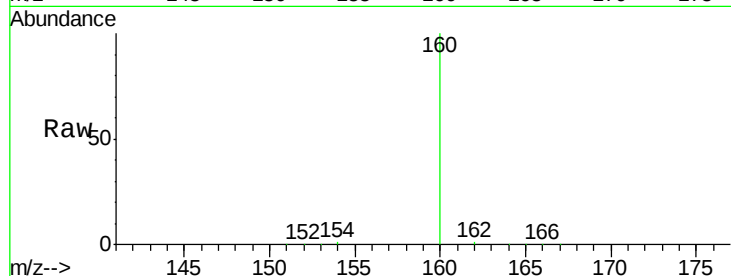
Tgt Ion:152 Resp: 247

Ion Ratio Lower Upper

152 100

151 49.1 17.6 26.4#

153 49.1 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

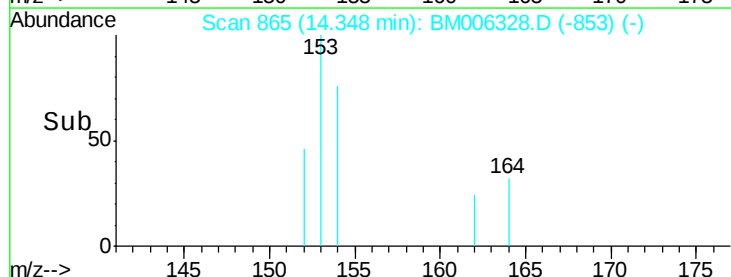
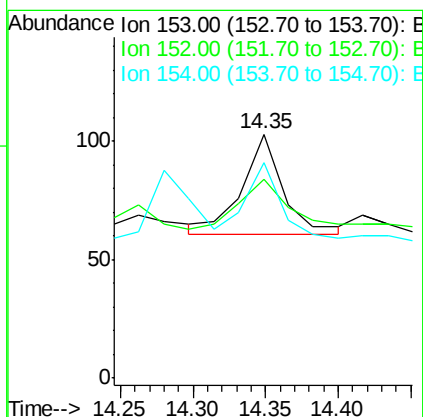
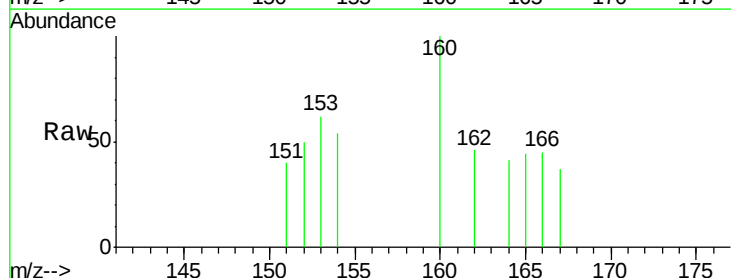
Tgt Ion:153 Resp: 82

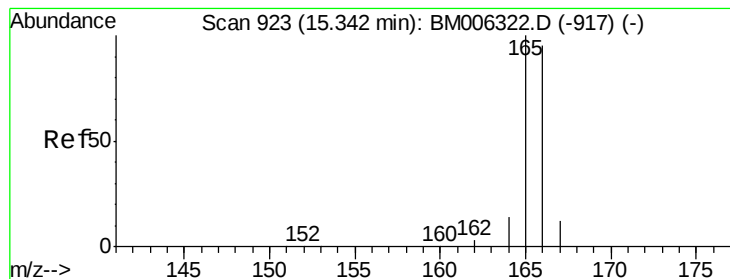
Ion Ratio Lower Upper

153 100

152 81.6 33.9 50.9#

154 88.3 80.6 121.0





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

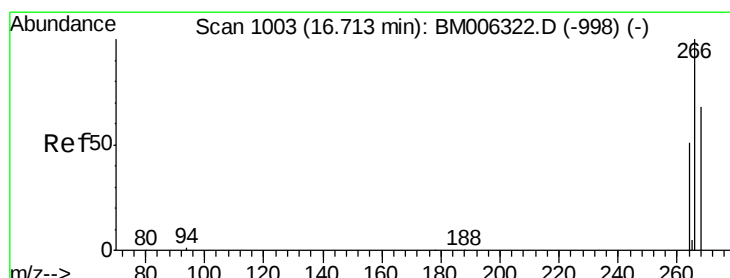
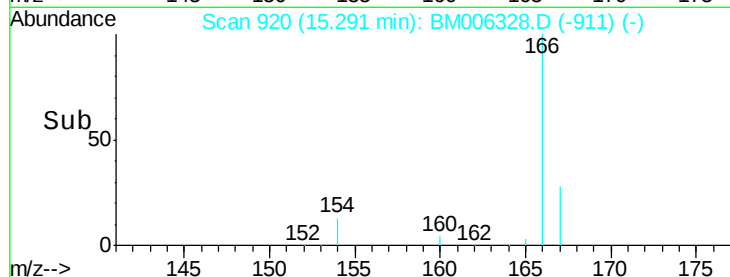
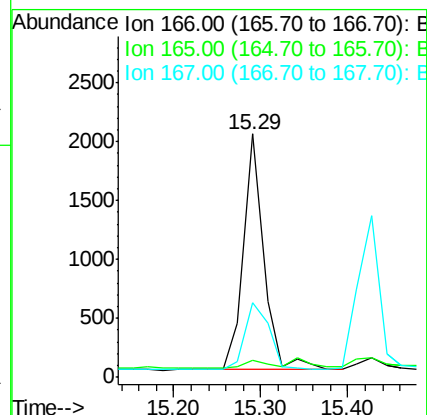
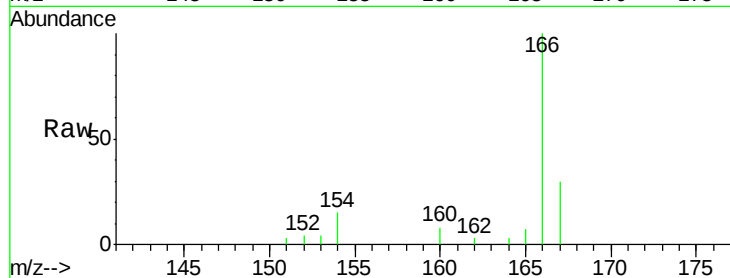
Tgt Ion:166 Resp: 3243

Ion Ratio Lower Upper

166 100

165 6.9 69.6 104.4#

167 30.4 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

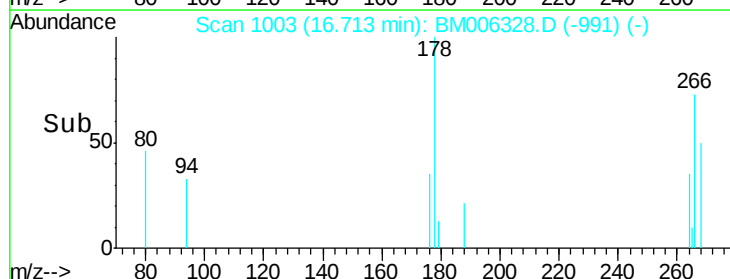
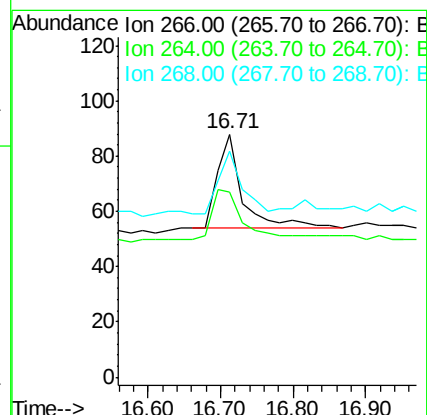
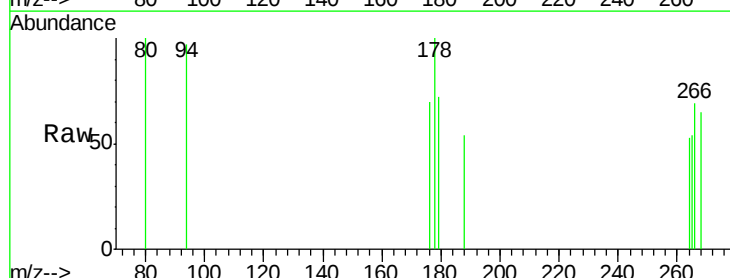
Tgt Ion:266 Resp: 83

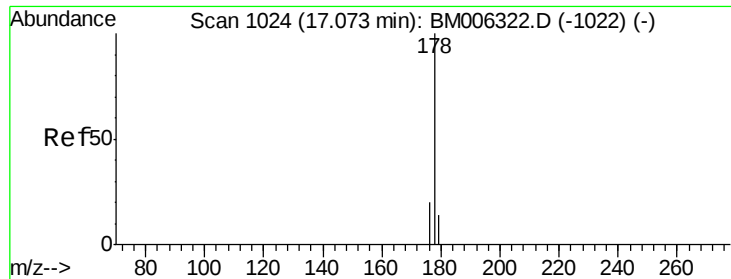
Ion Ratio Lower Upper

266 100

264 68.7 51.8 77.8

268 65.1 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.10 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

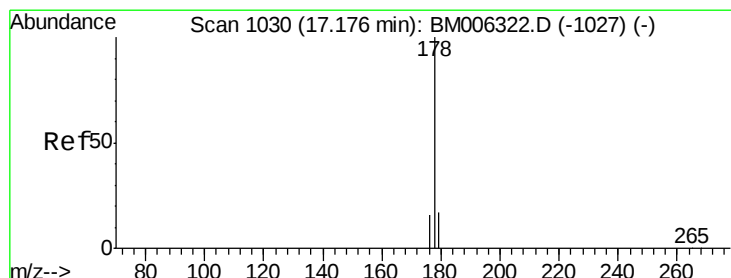
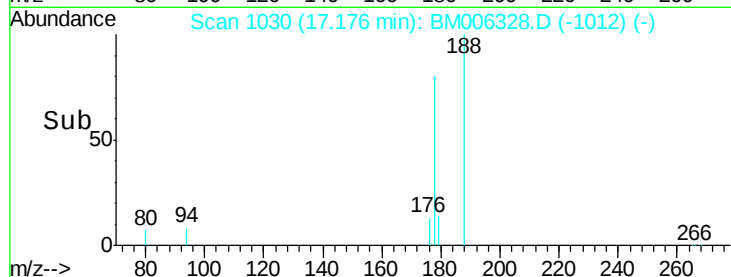
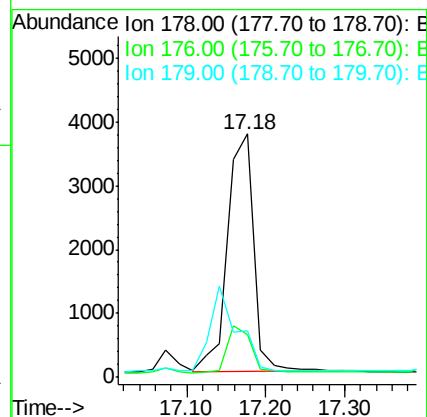
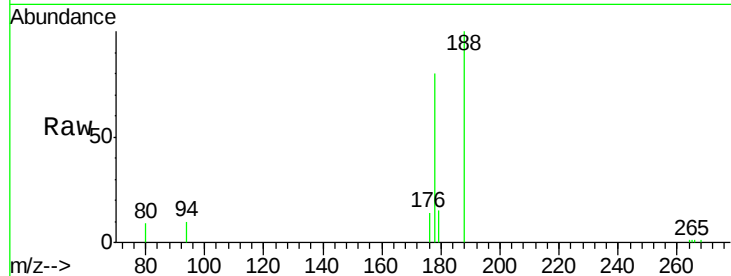
Tgt Ion:178 Resp: 8537

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

179 19.2 14.2 21.2



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

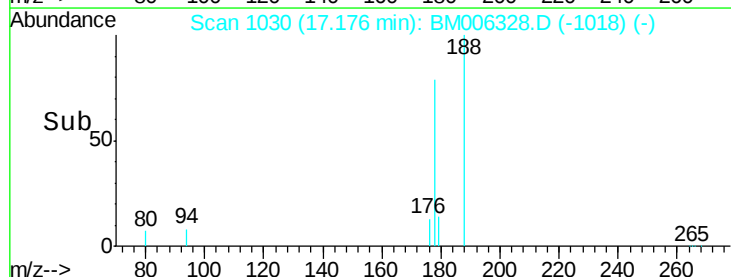
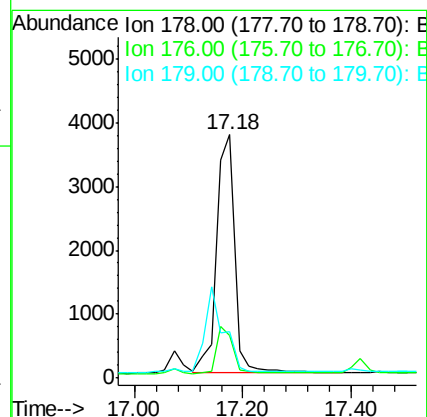
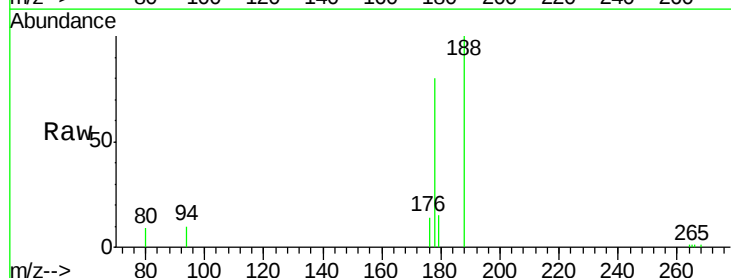
Tgt Ion:178 Resp: 8561

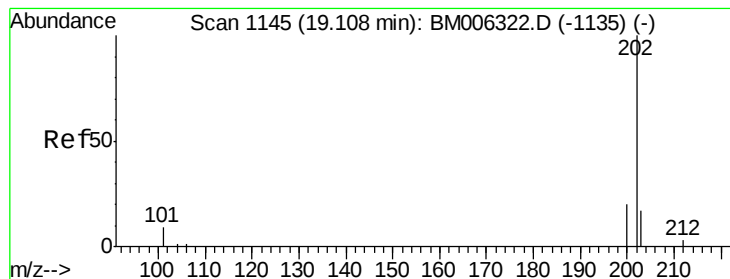
Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

179 19.2 12.9 19.3





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

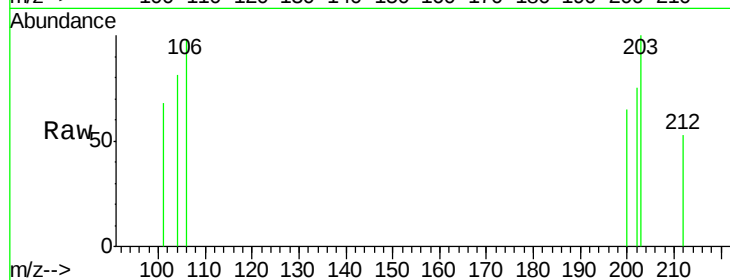
Tgt Ion:202 Resp: 46

Ion Ratio Lower Upper

202 100

101 90.4 0.0 29.6#

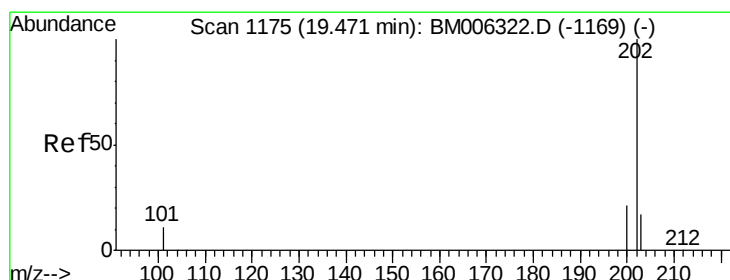
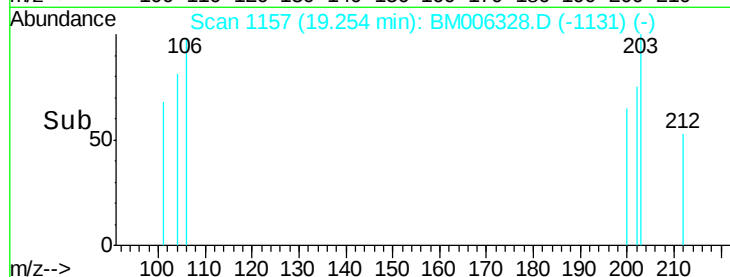
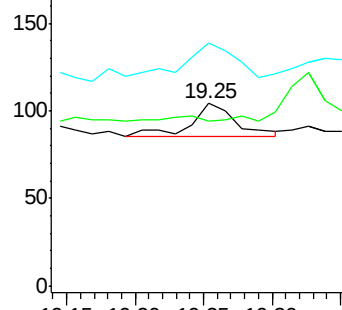
203 133.7 0.0 36.3#



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



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.45 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

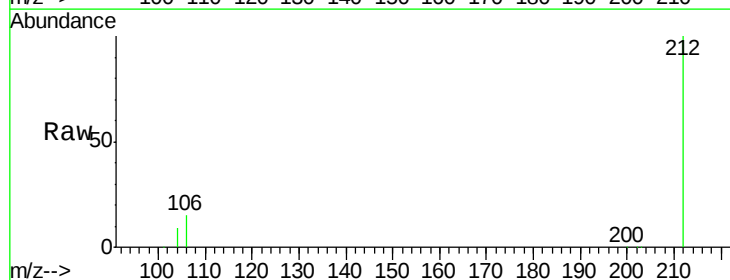
Tgt Ion:202 Resp: 2989

Ion Ratio Lower Upper

202 100

200 7.2 17.8 26.8#

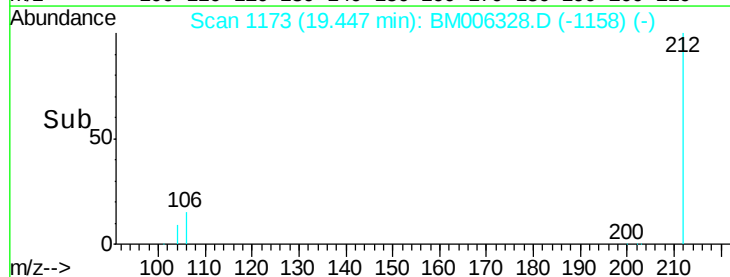
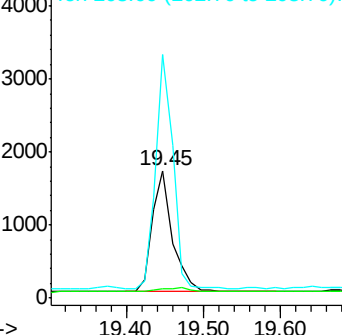
203 190.9 12.8 19.2#

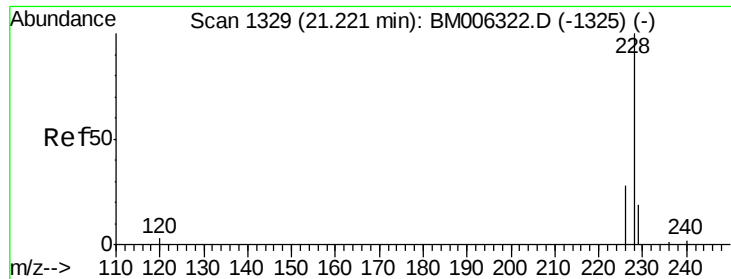


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

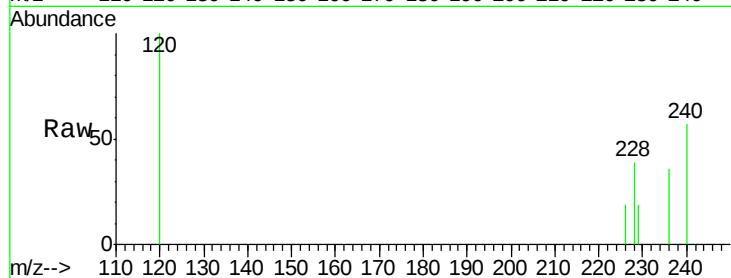
Tgt Ion:228 Resp: 485

Ion Ratio Lower Upper

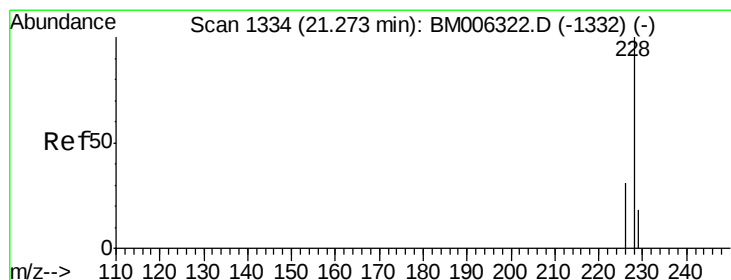
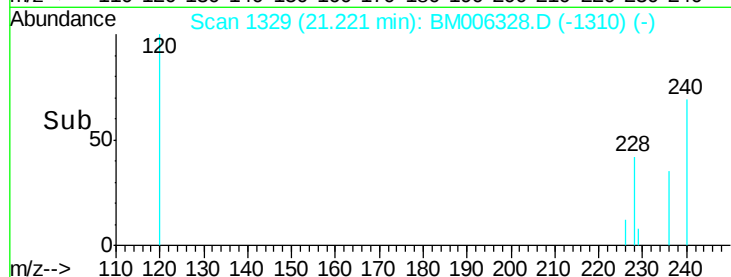
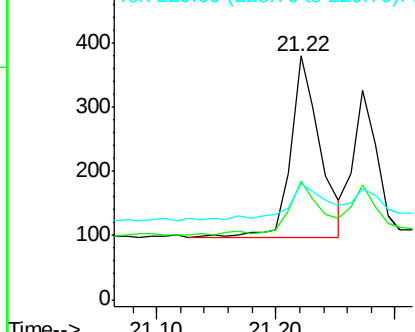
228 100

226 48.8 18.8 28.2#

229 47.8 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



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

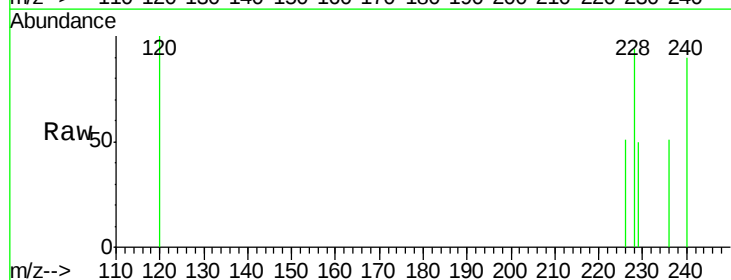
Tgt Ion:228 Resp: 310

Ion Ratio Lower Upper

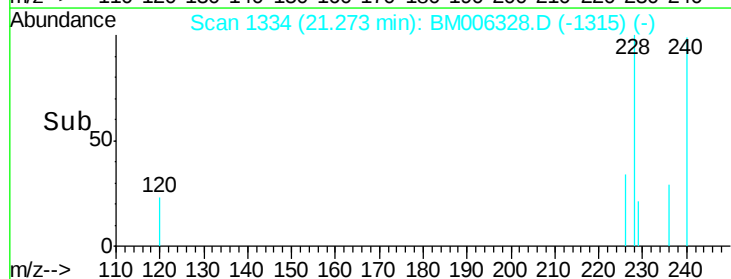
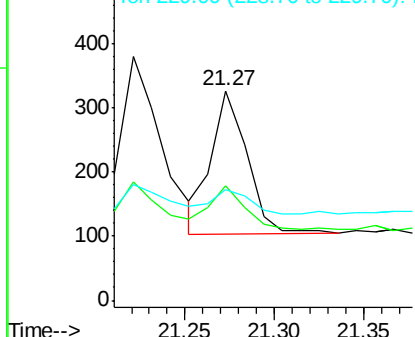
228 100

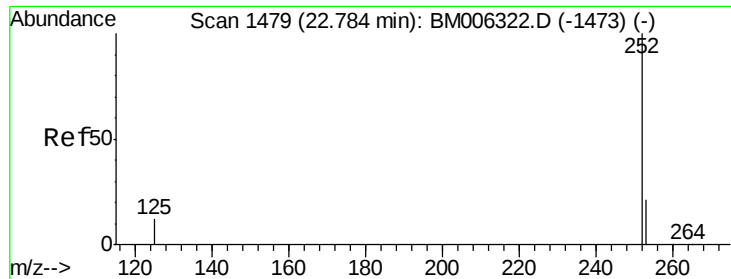
226 54.6 21.2 31.8#

229 53.1 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





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.65 min Scan# 1466

Delta R.T. -0.14 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

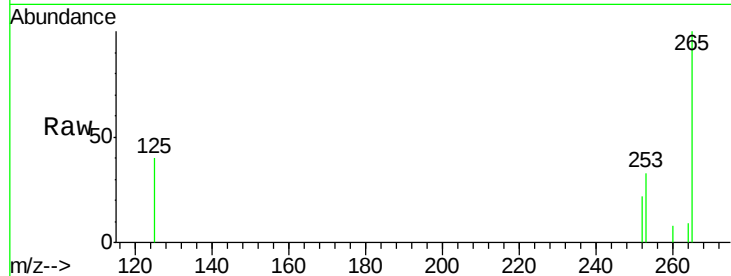
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 153.9 0.0 45.4#

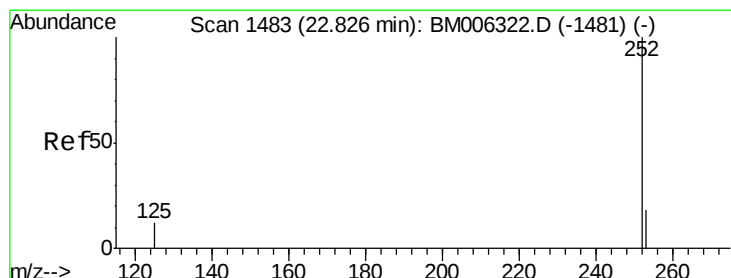
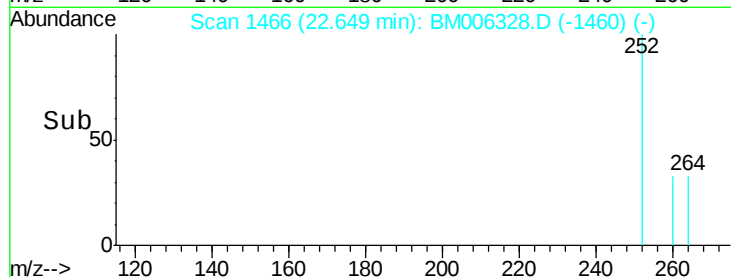
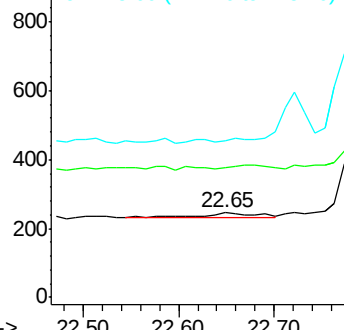
125 186.1 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.65 min Scan# 1466

Delta R.T. -0.18 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

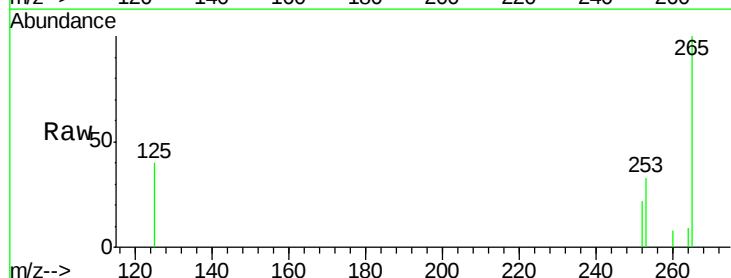
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 153.9 19.8 29.8#

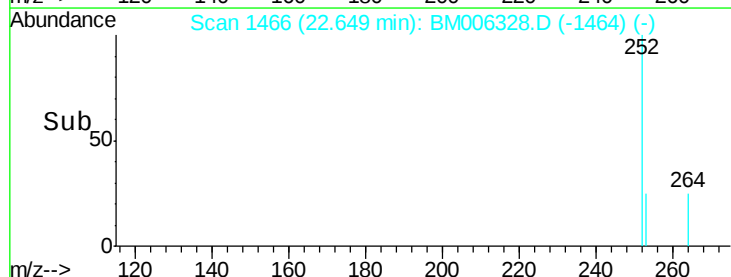
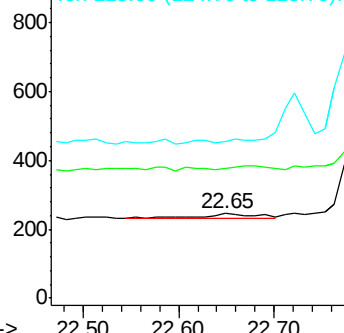
125 186.1 10.4 15.6#

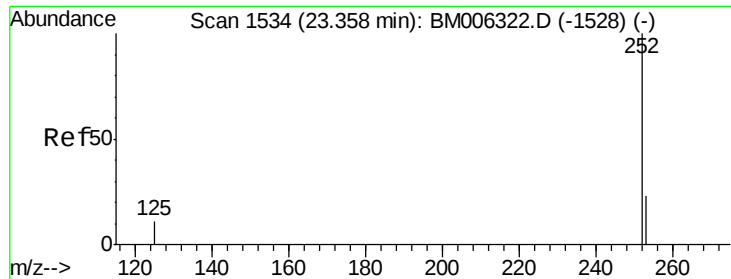


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

A4TS0

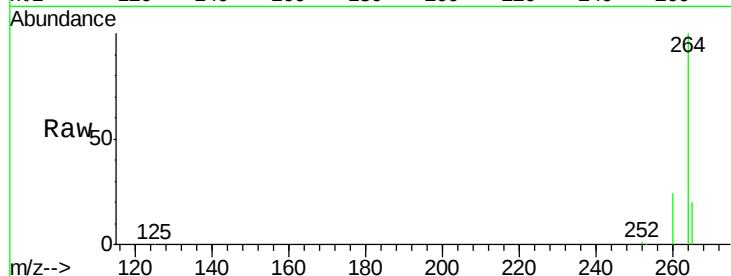
Tgt Ion: 252 Resp: 4546

Ion Ratio Lower Upper

252 100

253 39.3 19.4 29.2#

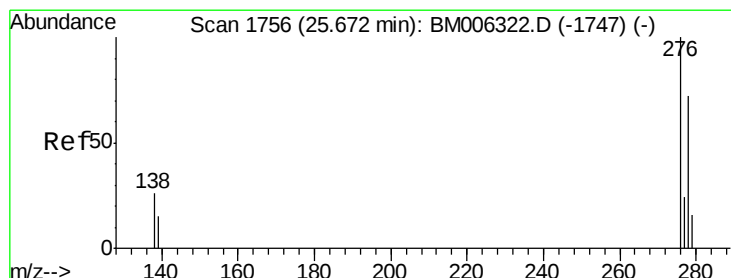
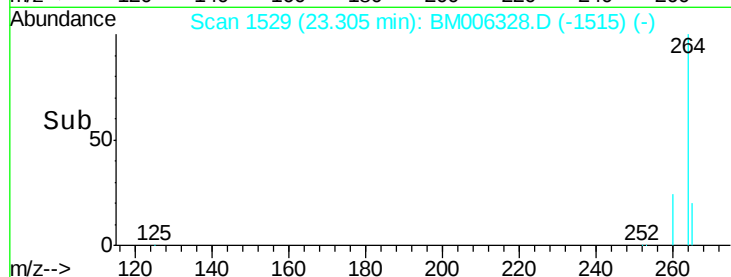
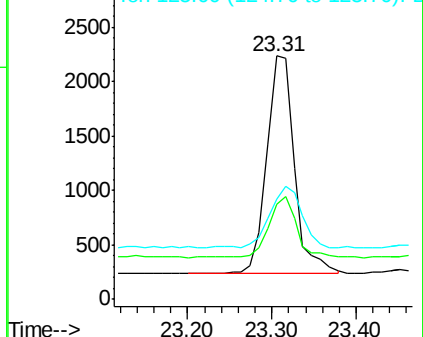
125 41.3 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.56 min Scan# 1745

Delta R.T. -0.11 min

Lab File: BM006328.D

Acq: 07 Jul 2016 20:30

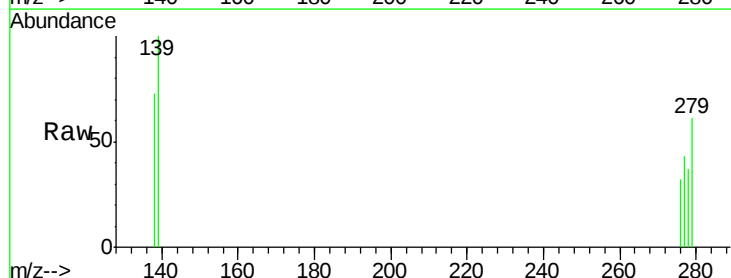
Tgt Ion: 276 Resp: 551

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

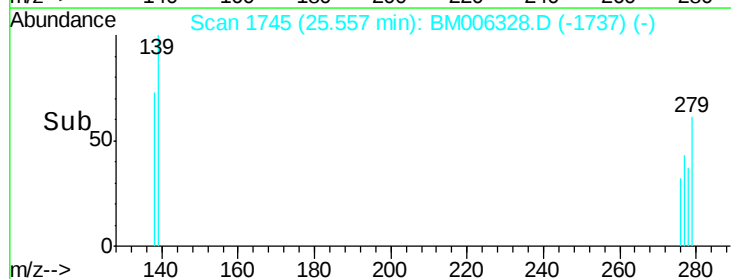
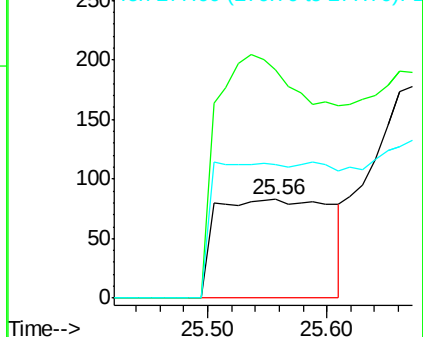
277 0.0 19.8 29.8#

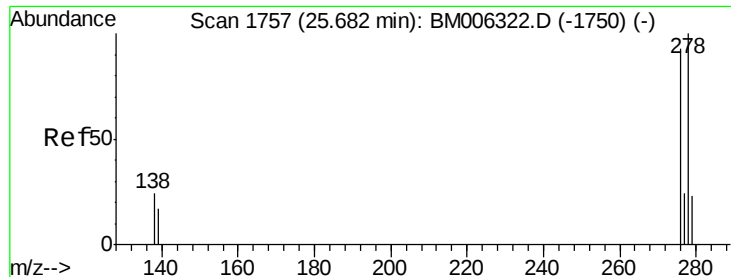


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

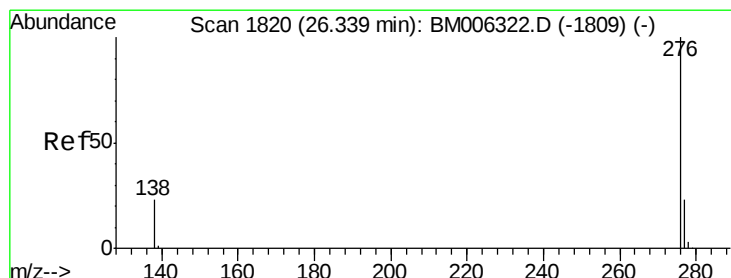
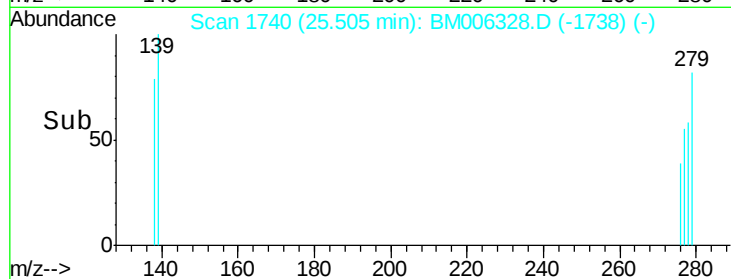
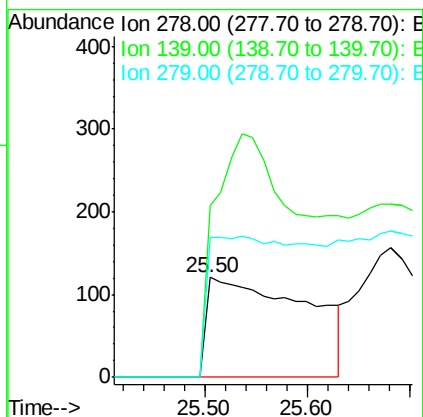
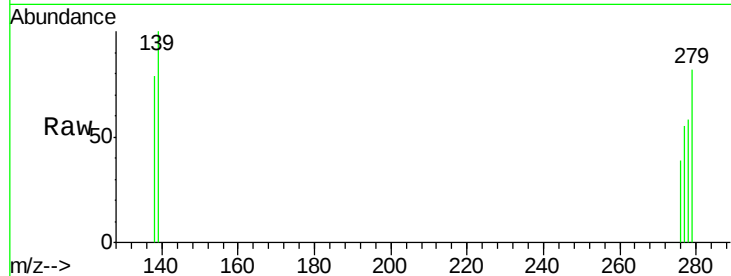




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.50 min Scan# 1740
Delta R.T. -0.18 min
Lab File: BM006328.D
Acq: 07 Jul 2016 20:30

Instrument :
BNA_M
ClientSampleId :
A4TS0

Tgt Ion: 278 Resp: 809
Ion Ratio Lower Upper
278 100
139 171.1 16.4 24.6#
279 139.7 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.16 min Scan# 1803
Delta R.T. -0.18 min
Lab File: BM006328.D
Acq: 07 Jul 2016 20:30

Tgt Ion: 276 Resp: 15
Ion Ratio Lower Upper
276 100
277 131.3 18.9 28.3#
138 206.3 22.5 33.7#

