

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006333.D
 Acq On : 07 Jul 2016 23:31
 Operator : UM/SJ
 Sample : H3914-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TS3

Quant Time: Jul 08 03:47:41 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	4733	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18154	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10206	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1395881	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	15311	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	966696	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2942	1.47	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	8011	0.38	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	17300	0.01	ng/ul	-0.01

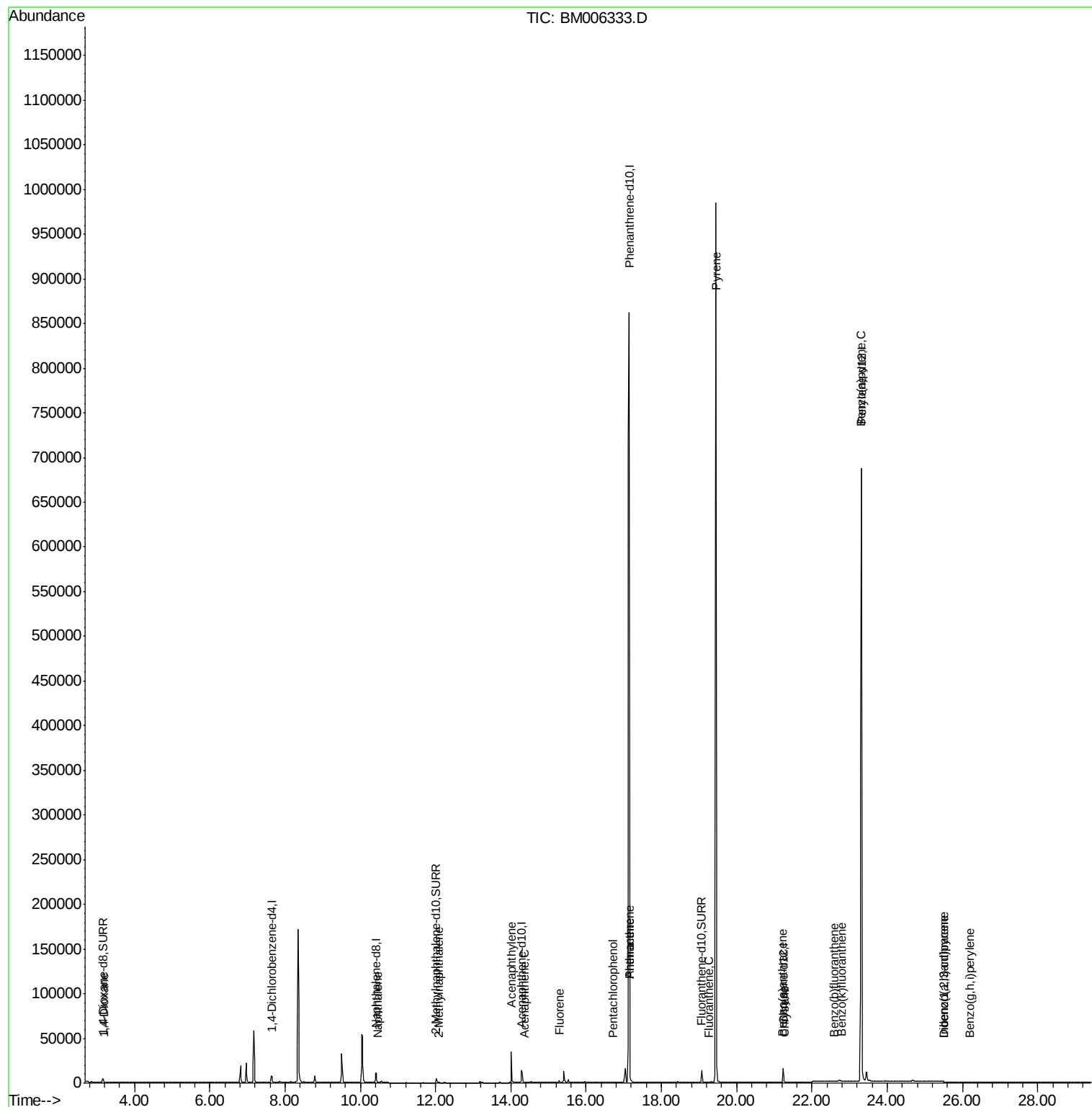
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	351	0.14	ng/ul#	1
5) Naphthalene	10.48	128	472	0.01	ng/ul#	3
7) 2-Methylnaphthalene	12.09	142	72	0.00	ng/ul	96
9) Acenaphthylene	14.01	152	246	0.01	ng/ul#	13
10) Acenaphthene	14.35	153	43	0.00	ng/ul#	74
11) Fluorene	15.29	166	2900	0.08	ng/ul#	21
13) Pentachlorophenol	16.71	266	35	0.00	ng/ul	92
14) Phenanthrene	17.16	178	1711	0.00	ng/ul#	49
15) Anthracene	17.16	178	1659	0.00	ng/ul#	50
17) Fluoranthene	19.25	202	52	0.00	ng/ul#	1
19) Pyrene	19.45	202	2509	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.22	228	293	0.01	ng/ul#	8
21) Chrysene	21.27	228	236	0.00	ng/ul#	21
23) Benzo(b)fluoranthene	22.60	252	31	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	403	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4388	0.00	ng/ul#	49
26) Indeno(1,2,3-cd)pyrene	25.50	276	273	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.50	278	1135	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.19	276	4	0.00	ng/ul#	1

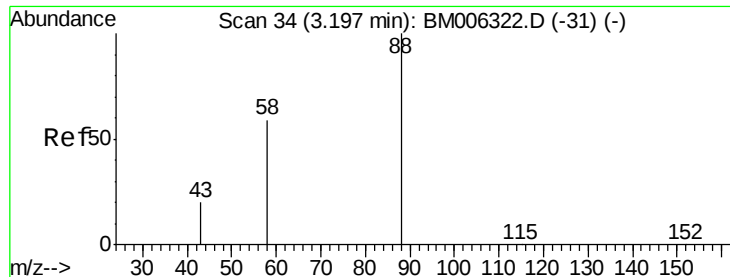
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.14 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampled :

A4TS3

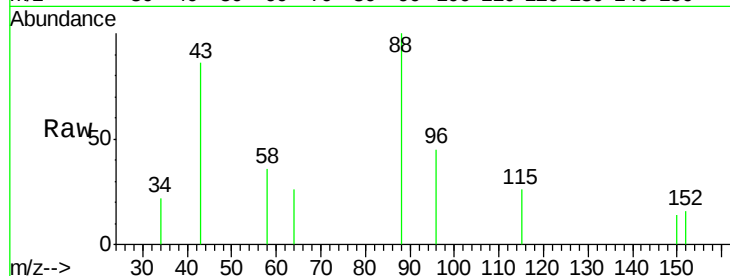
Tgt Ion: 88 Resp: 351

Ion Ratio Lower Upper

88 100

58 45.9 8.0 12.0#

43 79.5 8.0 12.0#

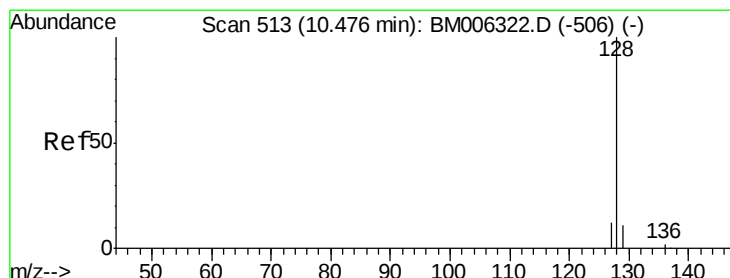
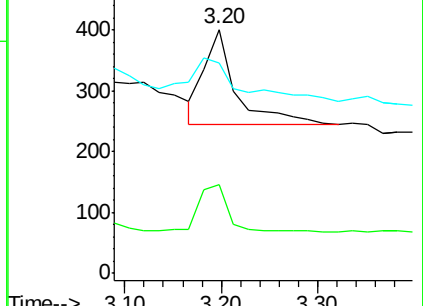
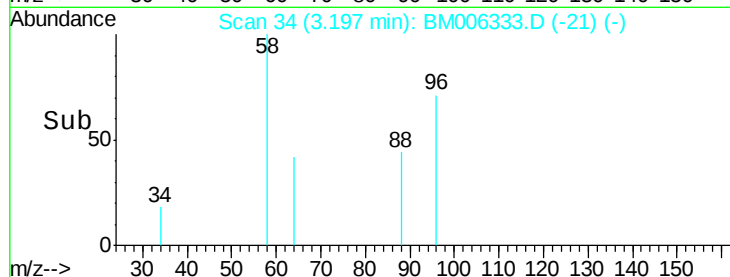


Abundance Ion 88.00 (87.70 to 88.70): BM006322.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM006322.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM006322.D (-31) (-)

Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

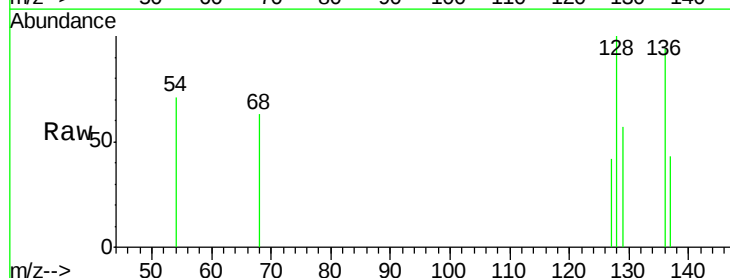
Tgt Ion: 128 Resp: 472

Ion Ratio Lower Upper

128 100

129 56.6 9.0 13.6#

127 41.6 9.6 14.4#

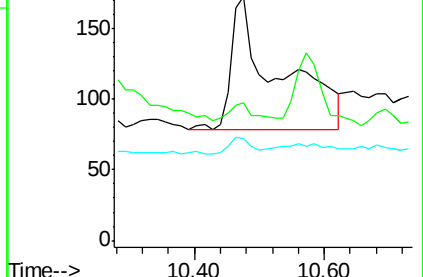
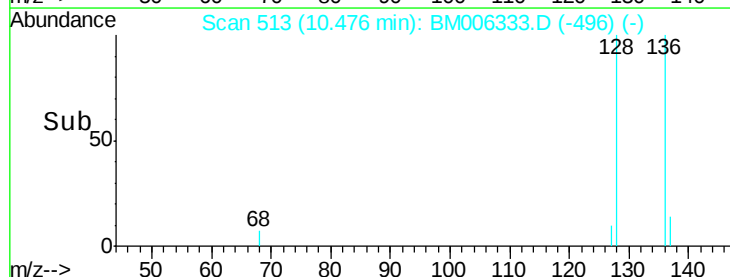


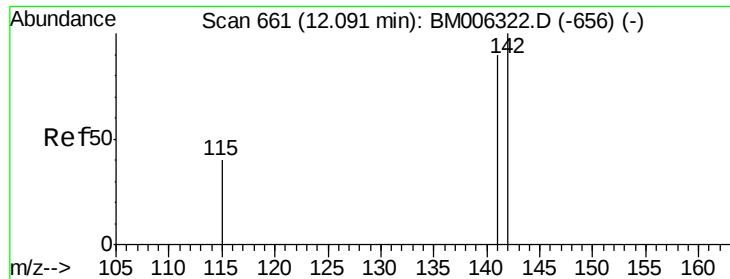
Abundance Ion 128.00 (127.70 to 128.70): BM006322.D (-506) (-)

Ion 129.00 (128.70 to 129.70): BM006322.D (-506) (-)

Ion 127.00 (126.70 to 127.70): BM006322.D (-506) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampled :

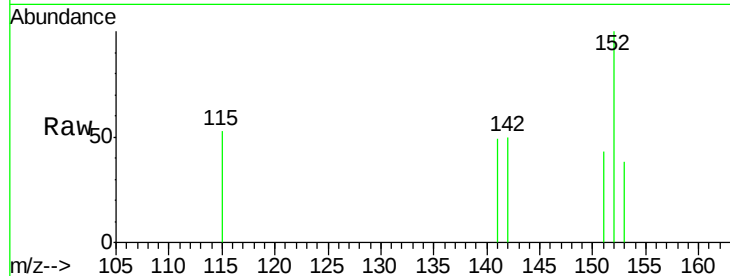
A4TS3

Tgt Ion:142 Resp: 72

Ion Ratio Lower Upper

142 100

141 91.7 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

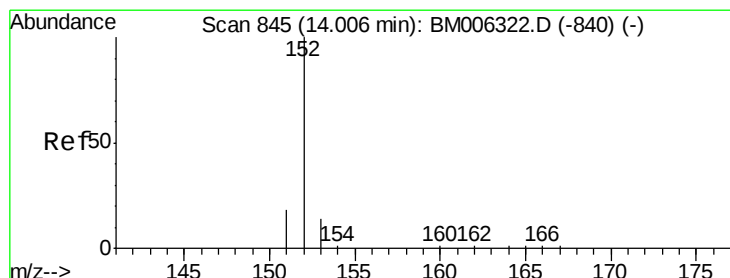
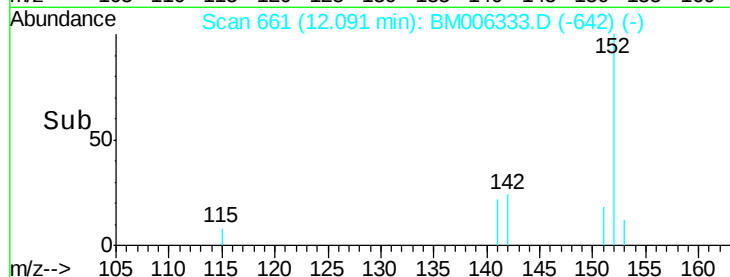
60

40

20

0

Time--> 12.00 12.10 12.20



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

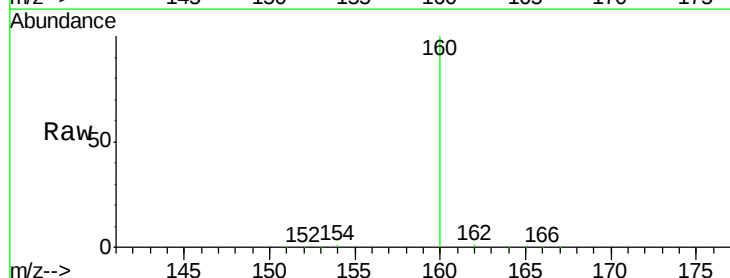
Tgt Ion:152 Resp: 246

Ion Ratio Lower Upper

152 100

151 55.2 17.6 26.4#

153 57.8 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

14.01

300

250

200

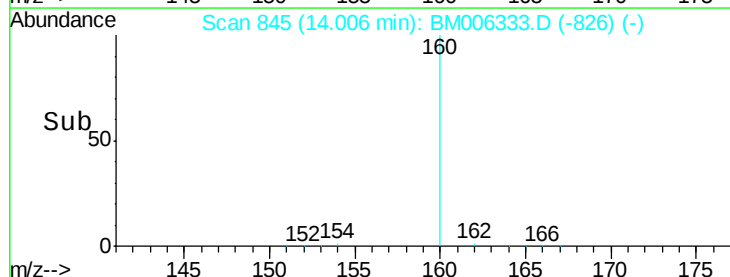
150

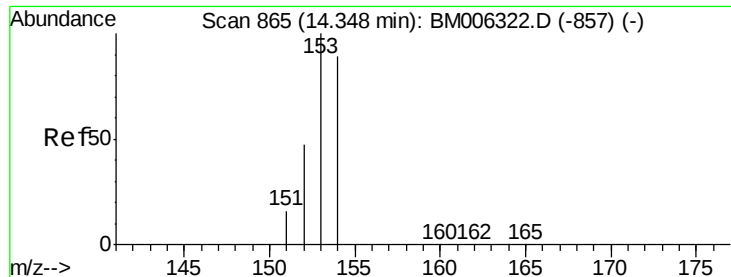
100

50

0

Time--> 13.80 14.00





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

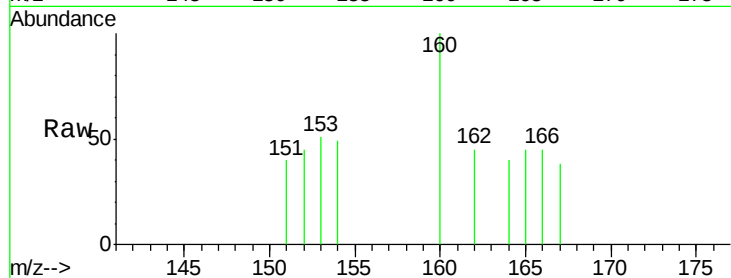
Tgt Ion:153 Resp: 43

Ion Ratio Lower Upper

153 100

152 88.0 33.9 50.9#

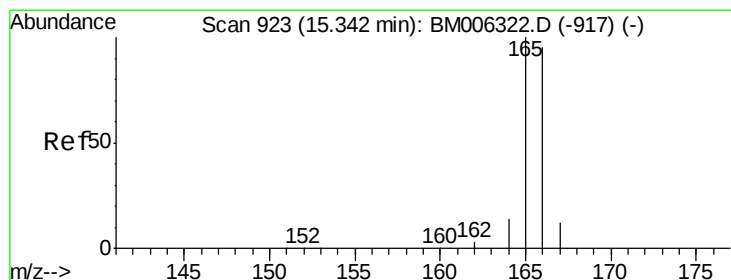
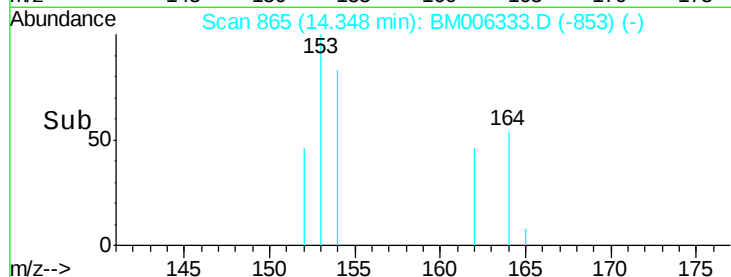
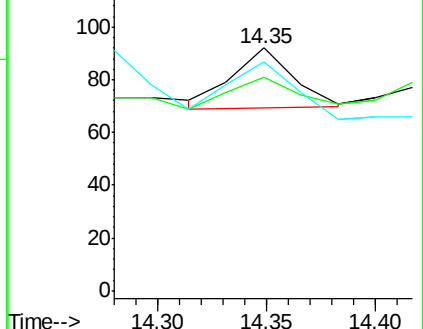
154 94.6 80.6 121.0



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



#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

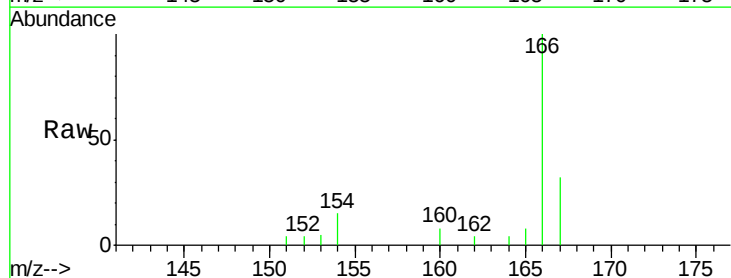
Tgt Ion:166 Resp: 2900

Ion Ratio Lower Upper

166 100

165 8.0 69.6 104.4#

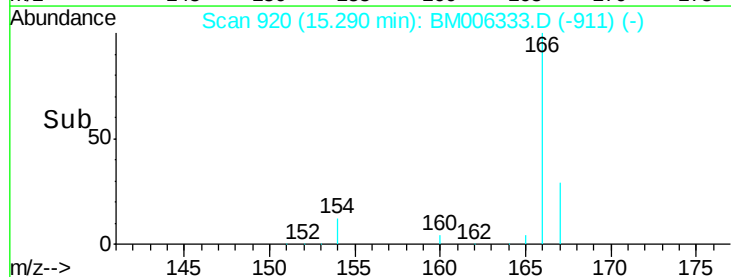
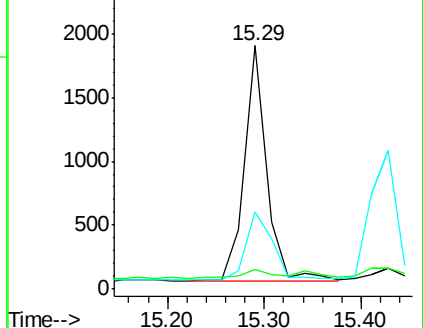
167 31.9 11.9 17.9#

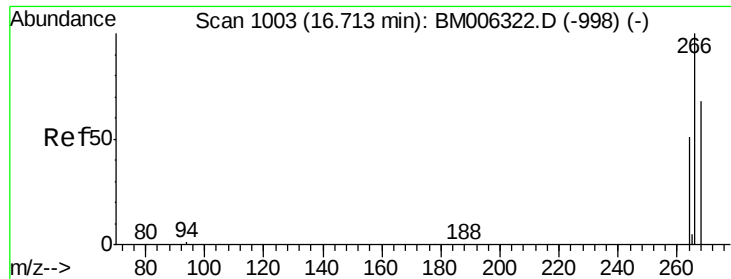


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

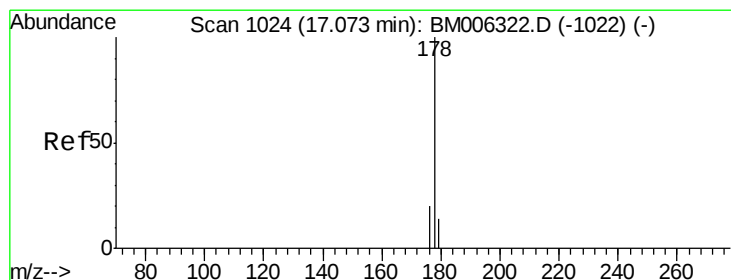
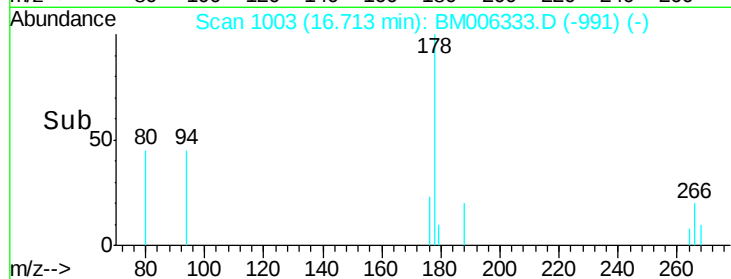
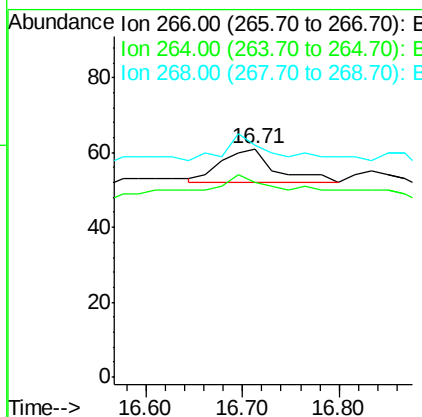
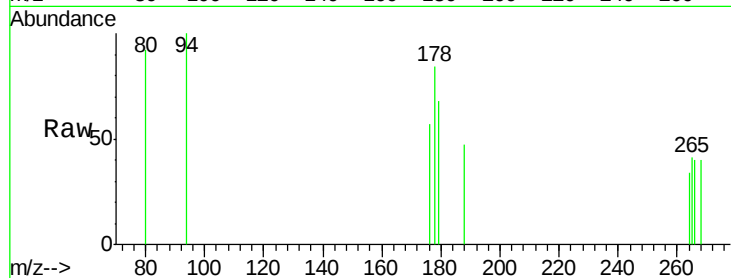




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.71 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BM006333.D
 Acq: 07 Jul 2016 23:31

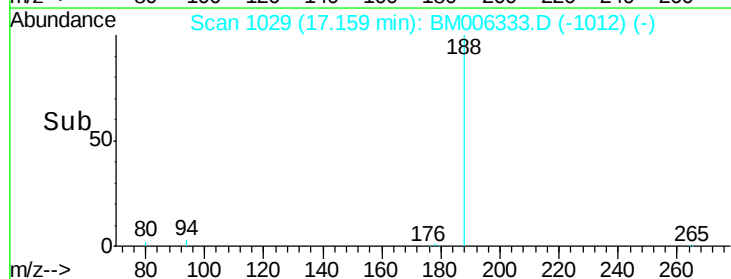
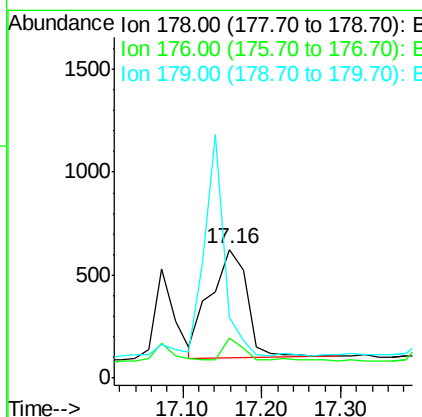
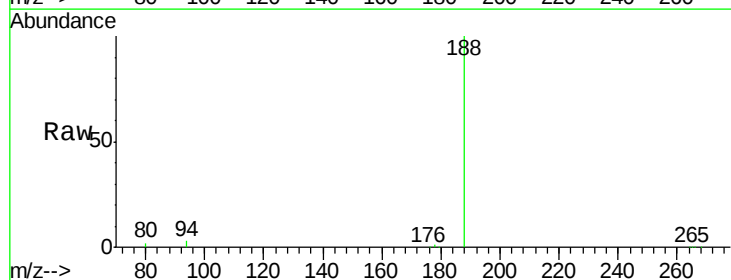
Instrument :
 BNA_M
 ClientSampleId :
 A4TS3

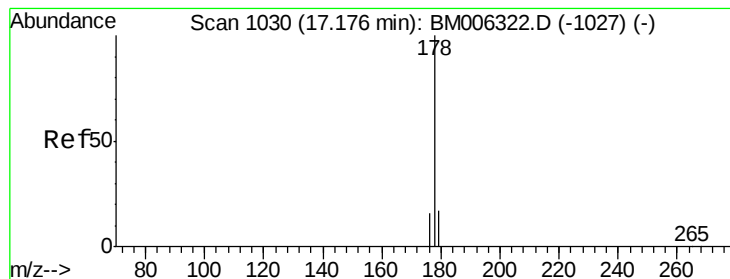
Tgt Ion: 266 Resp: 35
 Ion Ratio Lower Upper
 266 100
 264 60.0 51.8 77.8
 268 65.7 46.8 70.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.16 min Scan# 1029
 Delta R.T. 0.09 min
 Lab File: BM006333.D
 Acq: 07 Jul 2016 23:31

Tgt Ion: 178 Resp: 1711
 Ion Ratio Lower Upper
 178 100
 176 30.8 13.0 19.4#
 179 46.8 14.2 21.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

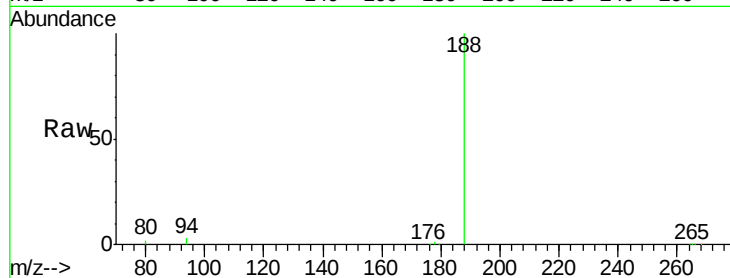
Tgt Ion:178 Resp: 1659

Ion Ratio Lower Upper

178 100

176 30.8 14.0 21.0#

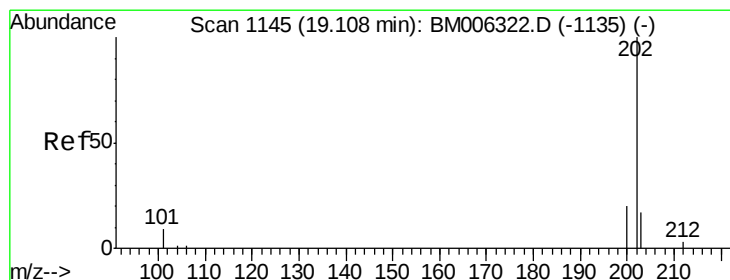
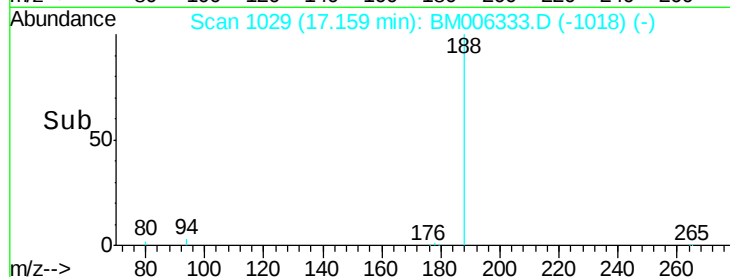
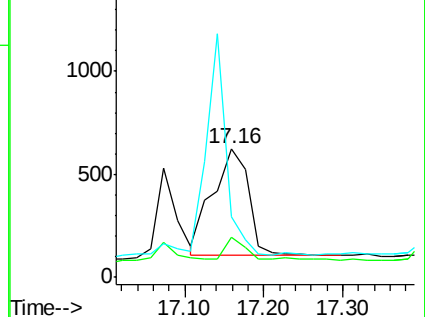
179 46.8 12.9 19.3#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

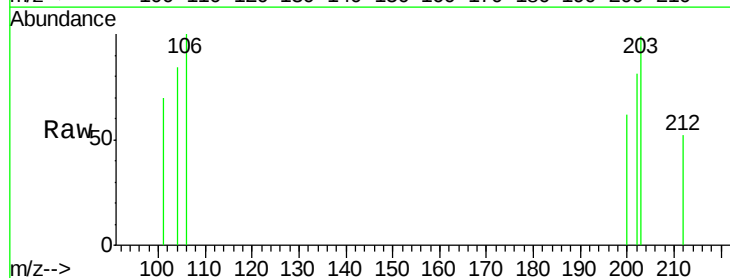
Tgt Ion:202 Resp: 52

Ion Ratio Lower Upper

202 100

101 86.0 0.0 29.6#

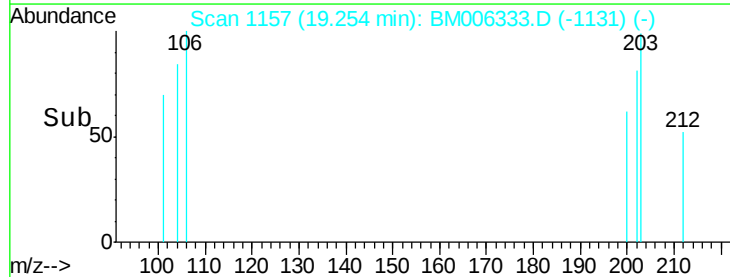
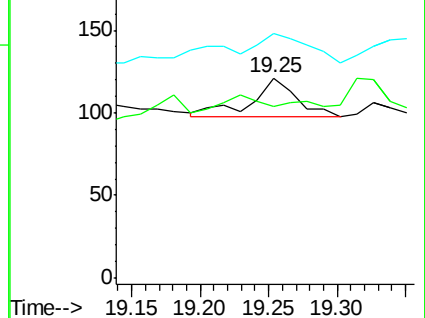
203 122.3 0.0 36.3#

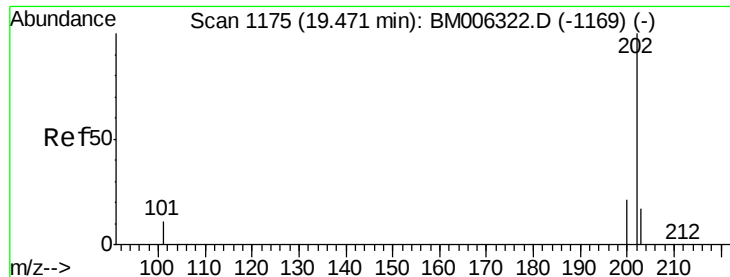


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

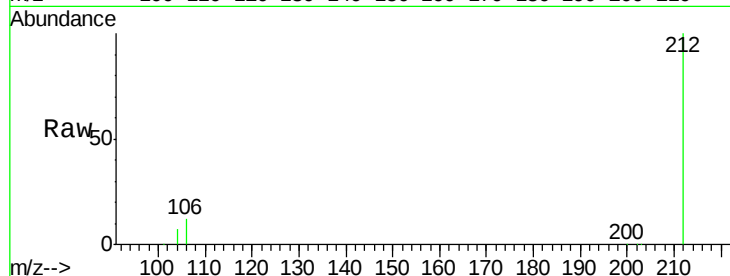
Tgt Ion: 202 Resp: 2509

Ion Ratio Lower Upper

202 100

200 8.4 17.8 26.8#

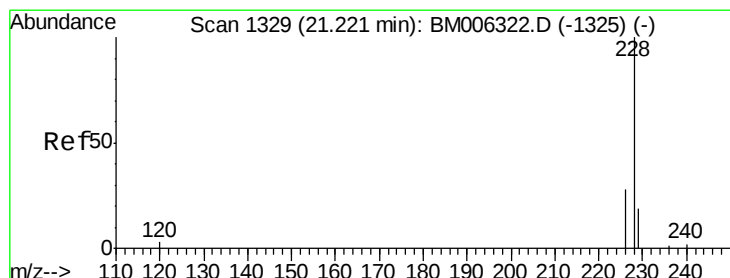
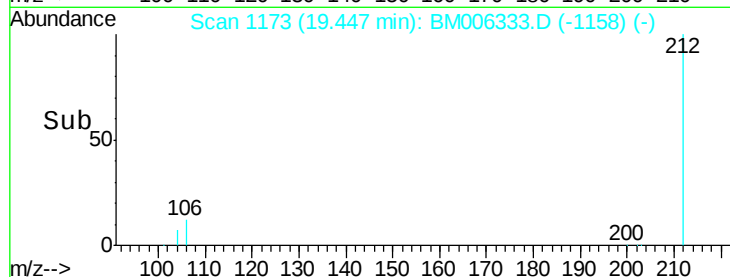
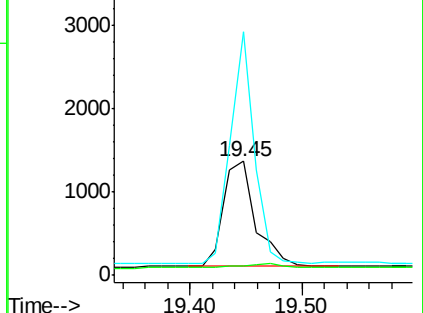
203 214.1 12.8 19.2#



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: BM006333.D

Acq: 07 Jul 2016 23:31

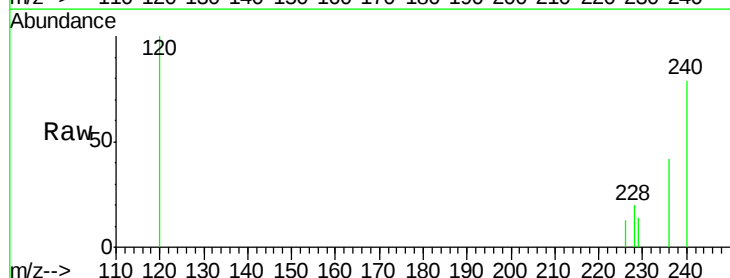
Tgt Ion: 228 Resp: 293

Ion Ratio Lower Upper

228 100

226 64.1 18.8 28.2#

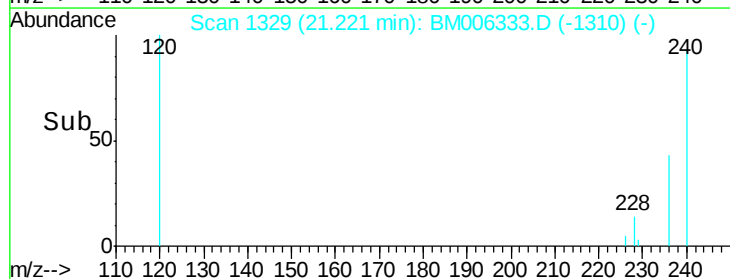
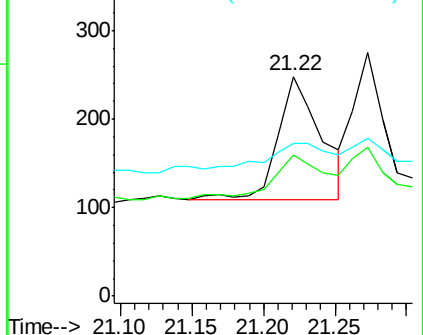
229 69.4 17.1 25.7#

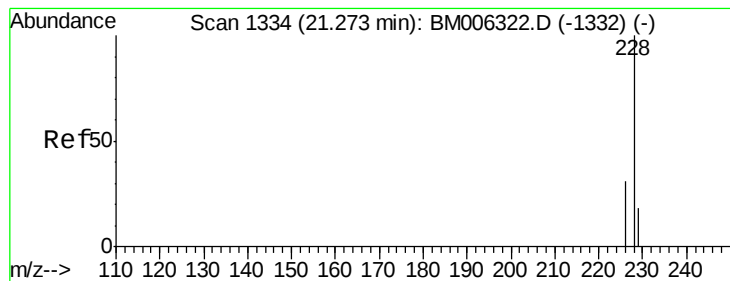


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

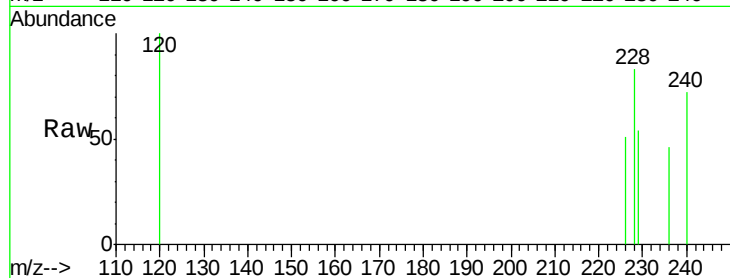
Tgt Ion:228 Resp: 236

Ion Ratio Lower Upper

228 100

226 61.5 21.2 31.8#

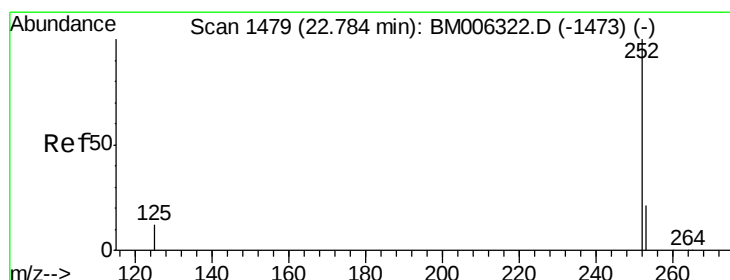
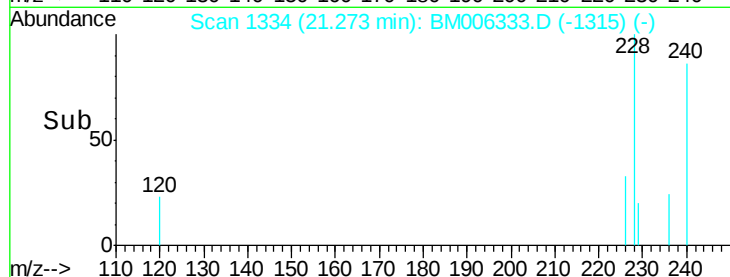
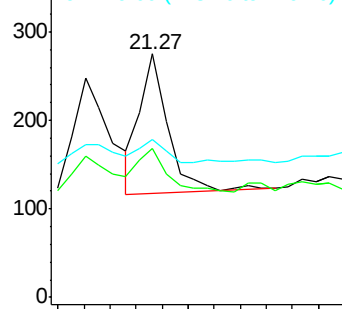
229 65.1 17.0 25.6#



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: 22.60 min Scan# 1461

Delta R.T. -0.19 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

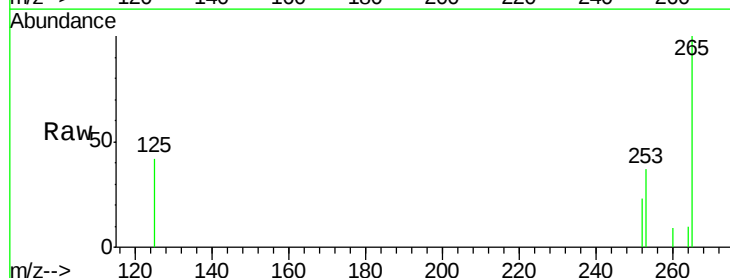
Tgt Ion:252 Resp: 31

Ion Ratio Lower Upper

252 100

253 161.4 0.0 45.4#

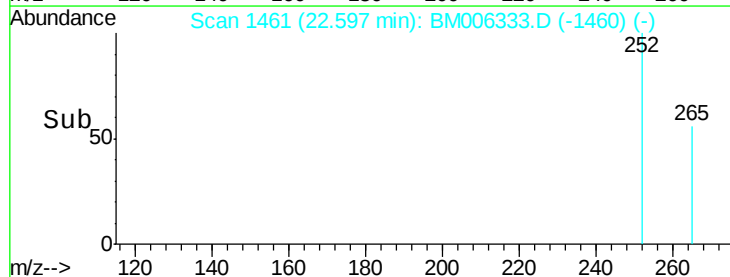
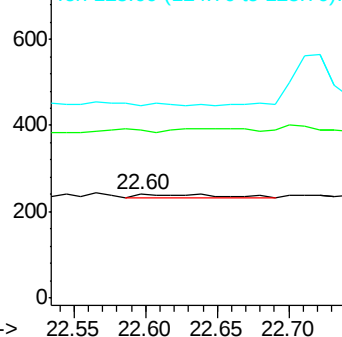
125 185.5 0.0 28.8#

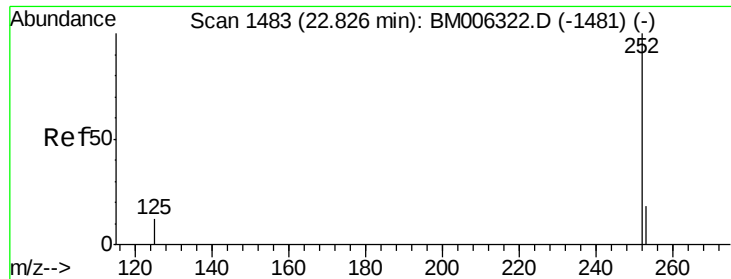


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

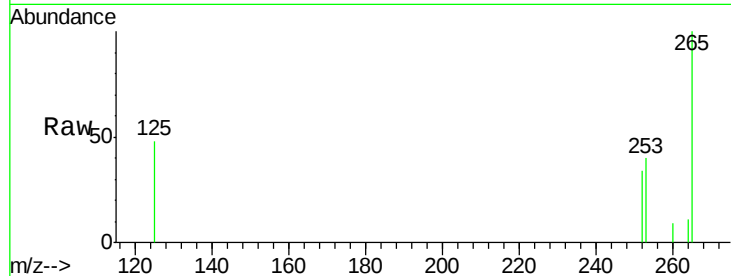
Tgt Ion:252 Resp: 403

Ion Ratio Lower Upper

252 100

253 117.3 19.8 29.8#

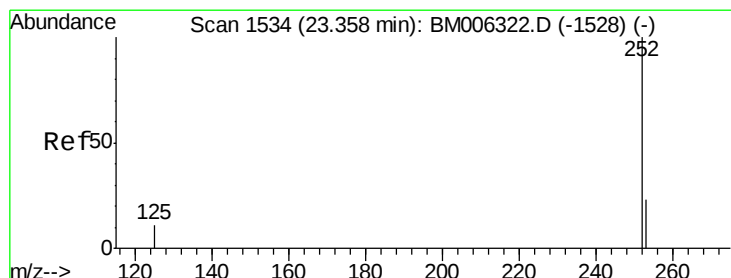
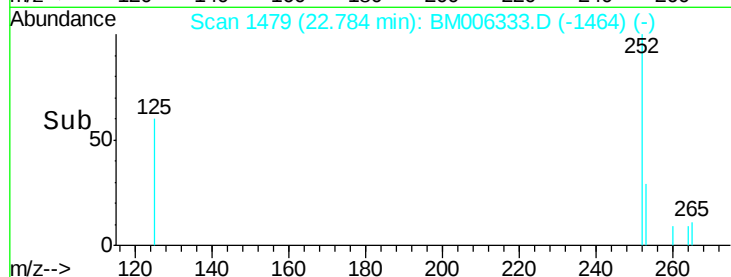
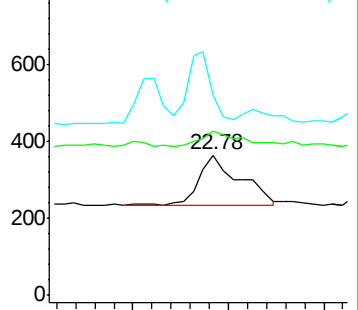
125 142.7 10.4 15.6#



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/u1

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

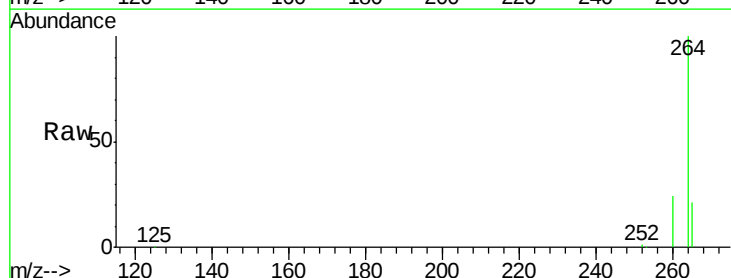
Tgt Ion:252 Resp: 4388

Ion Ratio Lower Upper

252 100

253 39.6 19.4 29.2#

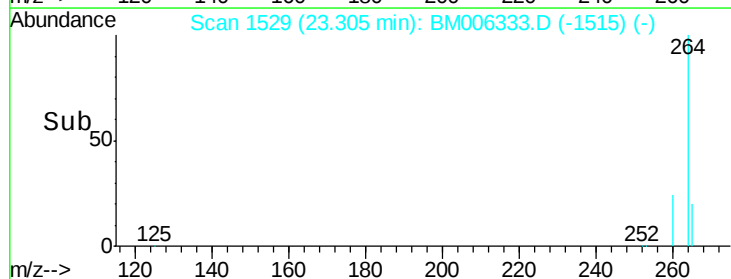
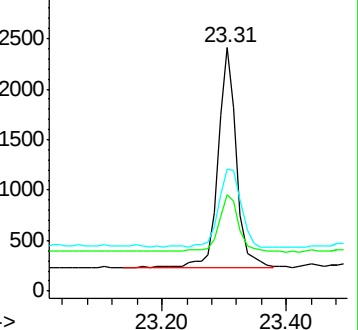
125 50.2 12.7 19.1#

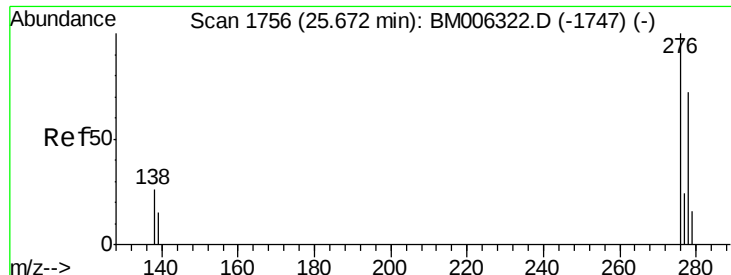


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.50 min Scan# 1740

Delta R.T. -0.17 min

Lab File: BM006333.D

Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3

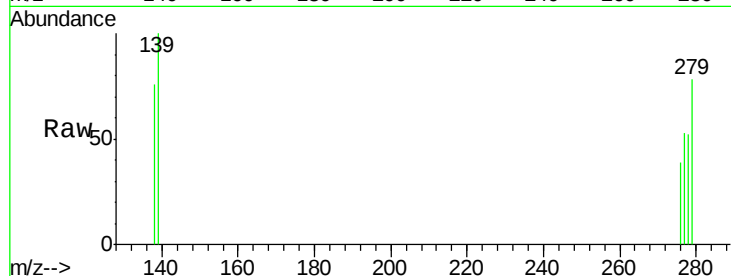
Tgt Ion:276 Resp: 273

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

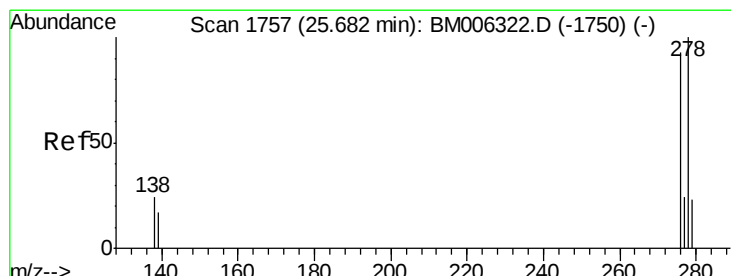
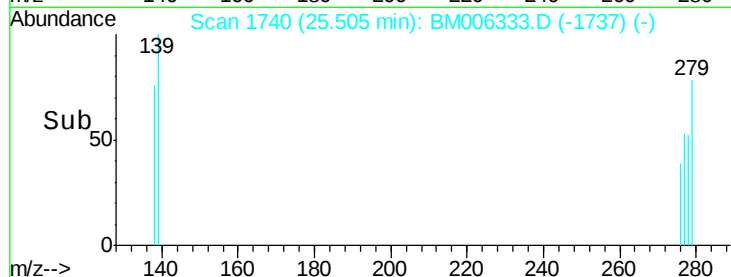
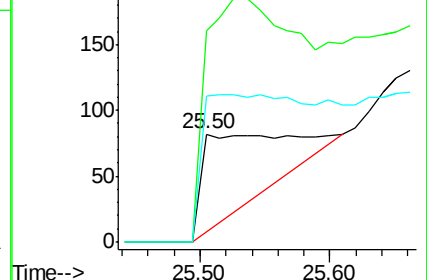
277 0.0 19.8 29.8#



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: BM006333.D

Acq: 07 Jul 2016 23:31

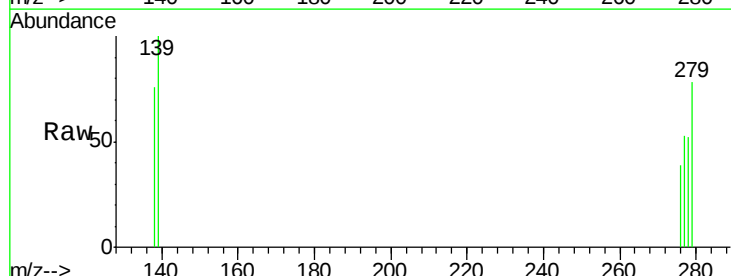
Tgt Ion:278 Resp: 1135

Ion Ratio Lower Upper

278 100

139 193.6 16.4 24.6#

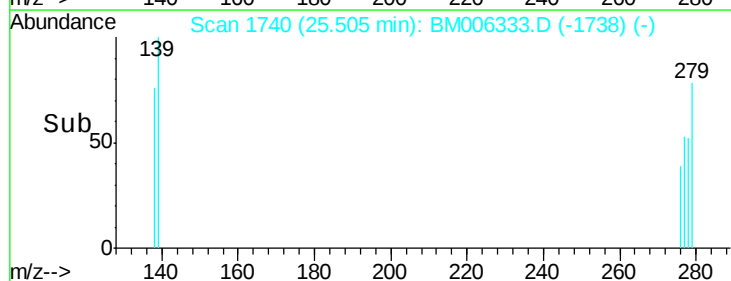
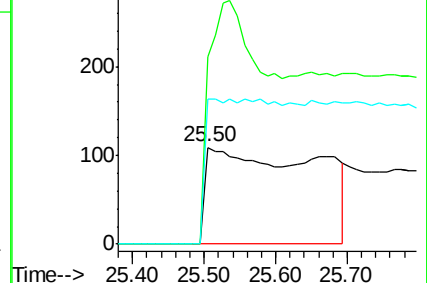
279 150.5 20.2 30.2#

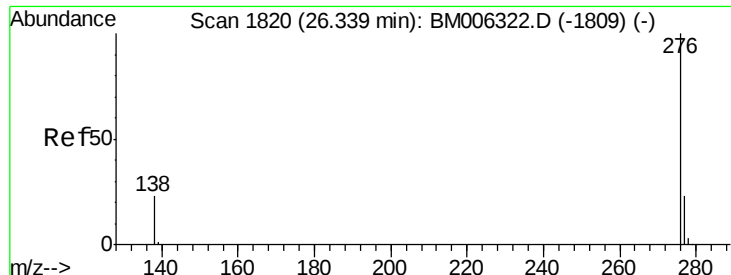


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.19 min Scan# 1806

Delta R.T. -0.15 min

Lab File: BM006333.D

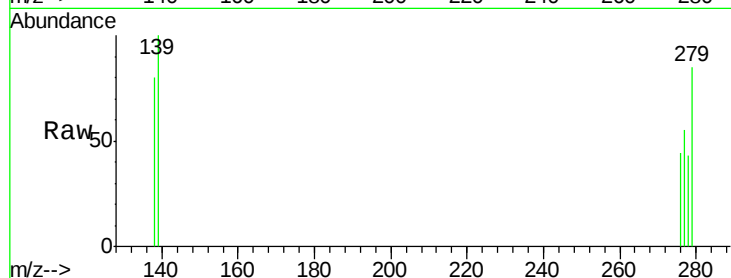
Acq: 07 Jul 2016 23:31

Instrument :

BNA_M

ClientSampleId :

A4TS3



Tgt Ion:	276	Resp:	4
Ion	Ratio	Lower	Upper
276	100		
277	127.2	18.9	28.3#
138	184.0	22.5	33.7#

