

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006332.D
 Acq On : 07 Jul 2016 22:55
 Operator : UM/SJ
 Sample : H3914-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TS2

Quant Time: Jul 08 03:47:30 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	4758	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19110	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11326	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1522719	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	17112	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	933608	0.40	ng/ul	-0.14

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2220	1.10	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6826	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	18852	0.01	ng/ul	0.00

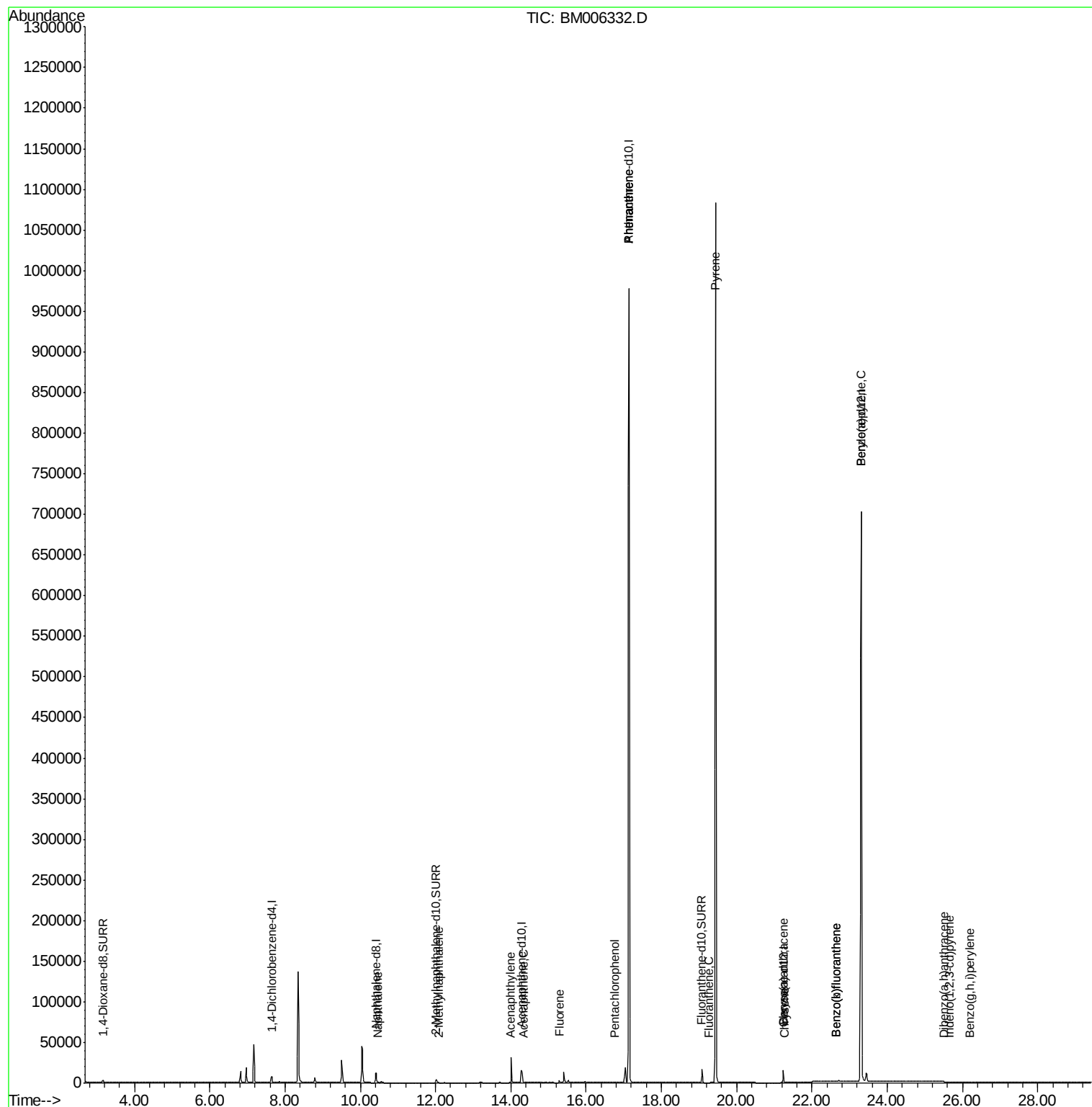
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	131	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.09	142	54	0.00	ng/ul#	77
9) Acenaphthylene	13.98	152	128	0.00	ng/ul#	1
10) Acenaphthene	14.35	153	34	0.00	ng/ul#	74
11) Fluorene	15.29	166	2668	0.06	ng/ul#	20
13) Pentachlorophenol	16.76	266	5	0.00	ng/ul#	46
14) Phenanthrene	17.14	178	788	0.00	ng/ul#	1
15) Anthracene	17.14	178	783	0.00	ng/ul#	1
17) Fluoranthene	19.26	202	20	0.00	ng/ul#	1
19) Pyrene	19.44	202	2511	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.23	228	149	0.00	ng/ul#	1
21) Chrysene	21.28	228	85	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.63	252	19	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.63	252	19	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4056	0.00	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	25.66	276	788	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.51	278	935	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.19	276	9	0.00	ng/ul#	1

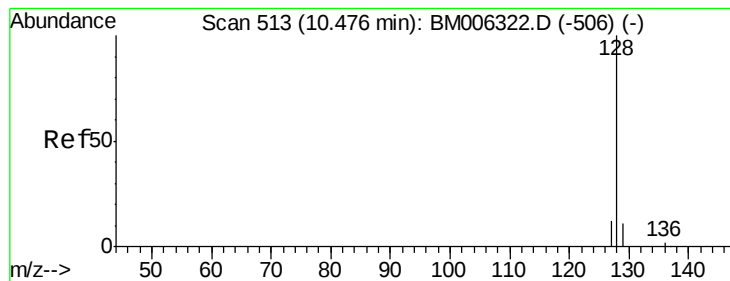
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

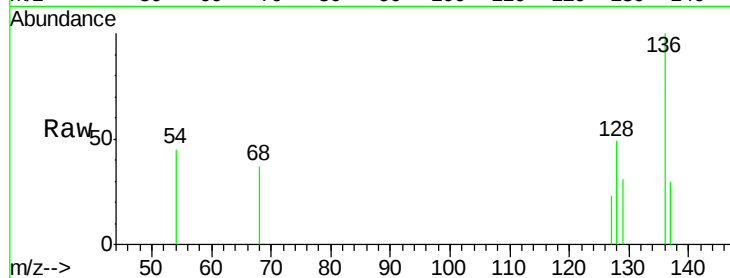
Tgt Ion:128 Resp: 131

Ion Ratio Lower Upper

128 100

129 63.5 9.0 13.6#

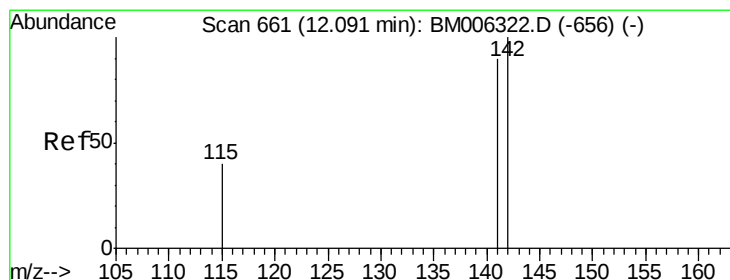
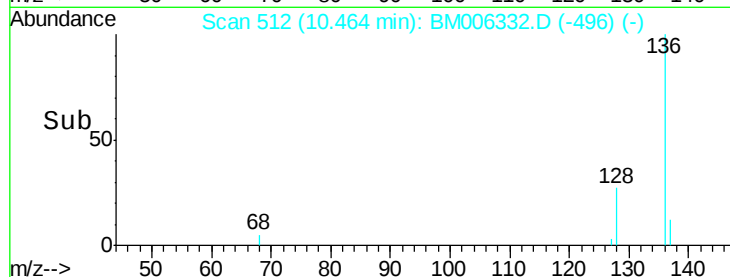
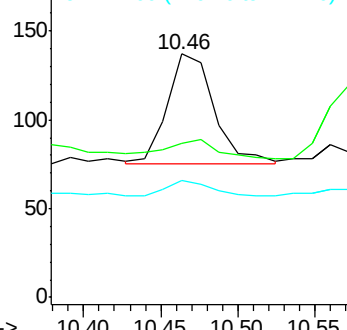
127 48.2 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006332.D

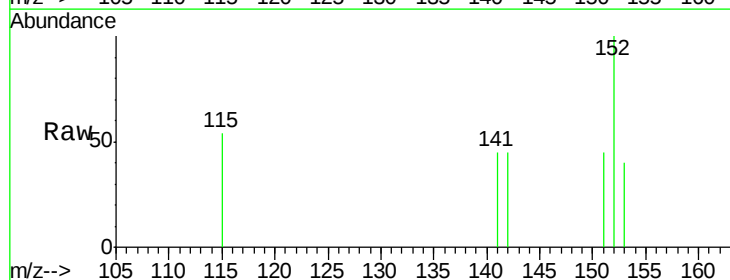
Acq: 07 Jul 2016 22:55

Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

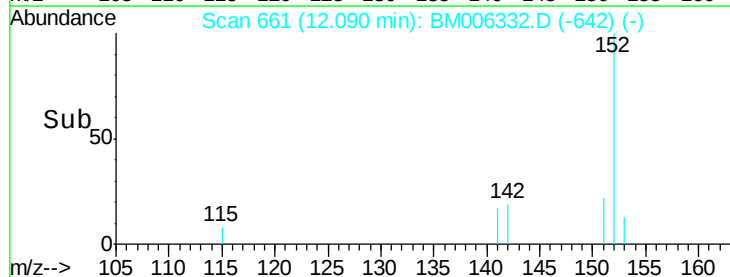
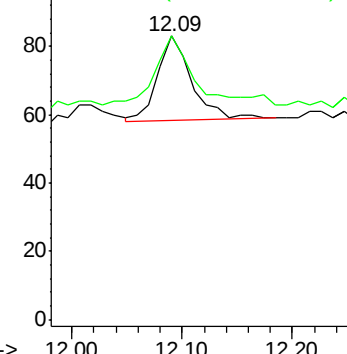
142 100

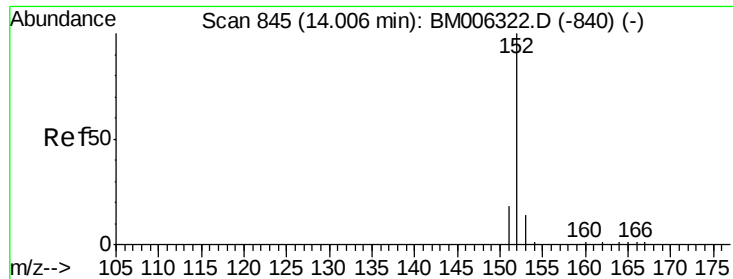
141 109.3 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.98 min Scan# 843

Delta R.T. -0.02 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

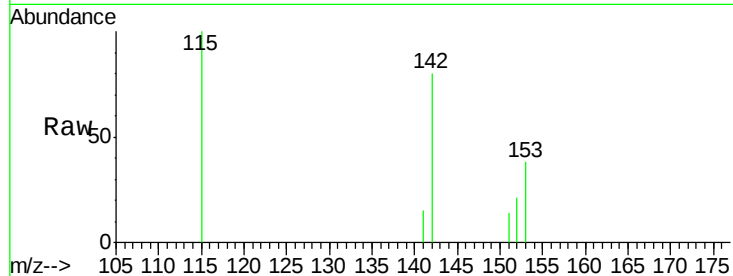
Tgt Ion:152 Resp: 128

Ion Ratio Lower Upper

152 100

151 64.8 17.6 26.4#

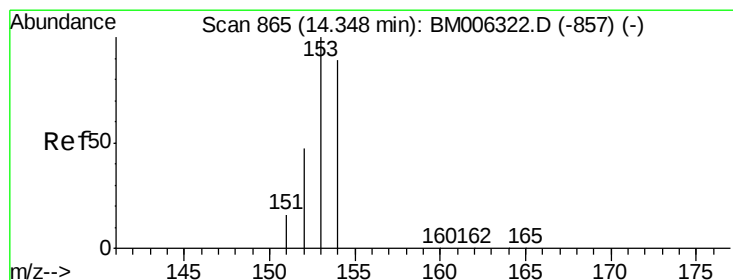
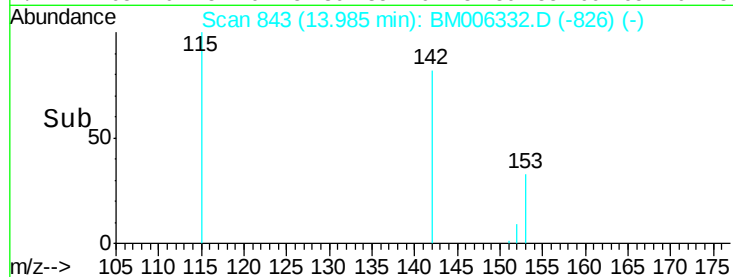
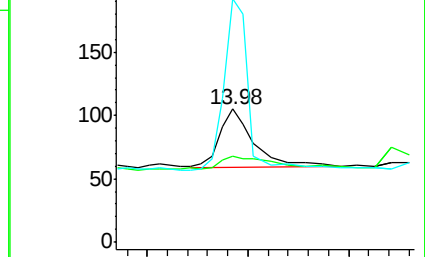
153 182.9 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

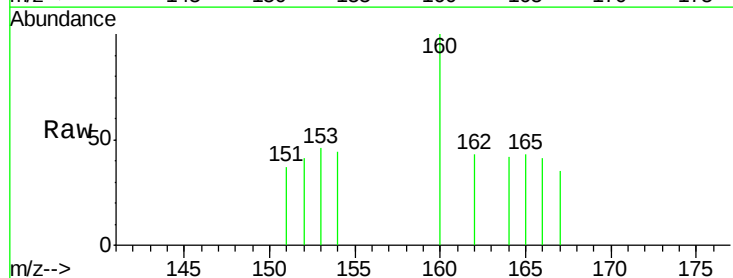
Tgt Ion:153 Resp: 34

Ion Ratio Lower Upper

153 100

152 89.6 33.9 50.9#

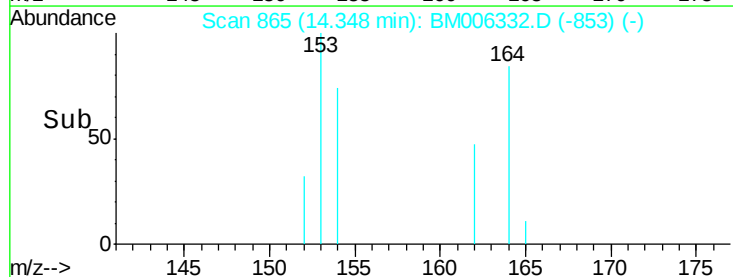
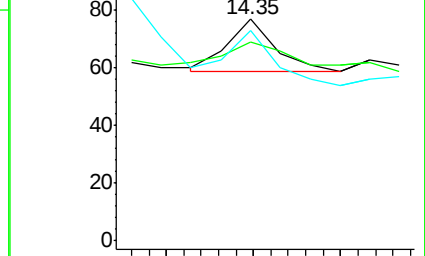
154 94.8 80.6 121.0

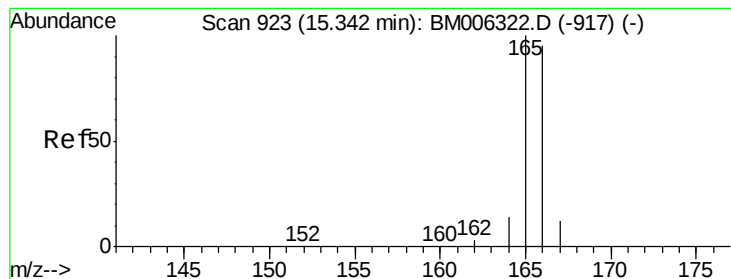


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

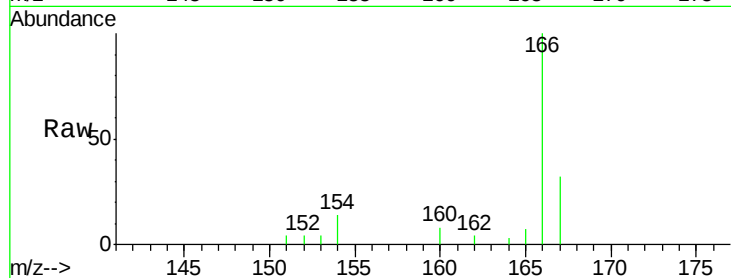
Tgt Ion:166 Resp: 2668

Ion Ratio Lower Upper

166 100

165 7.1 69.6 104.4#

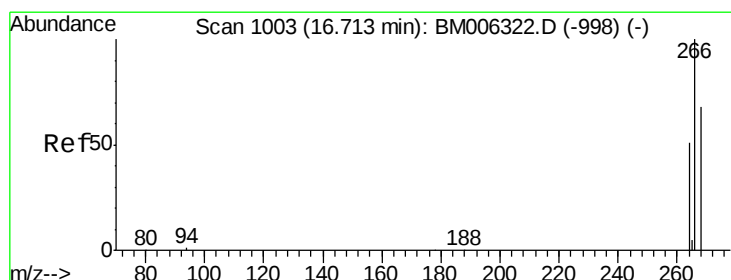
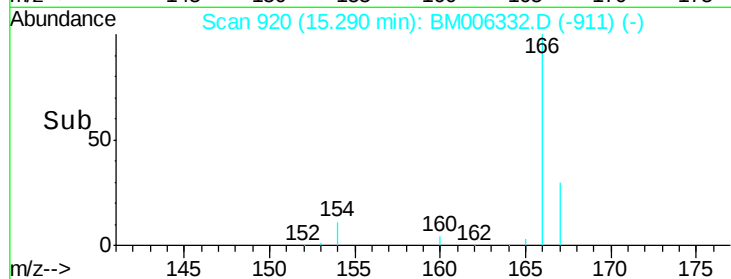
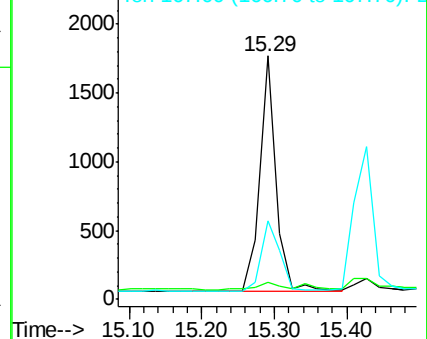
167 32.2 11.9 17.9#



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: 16.76 min Scan# 1006

Delta R.T. 0.05 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

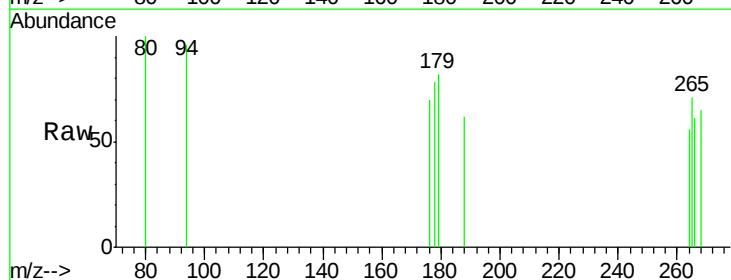
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 40.0 51.8 77.8#

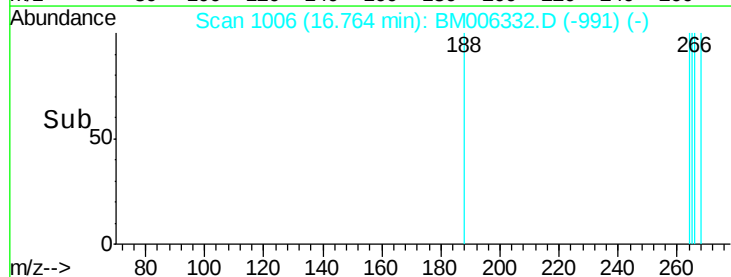
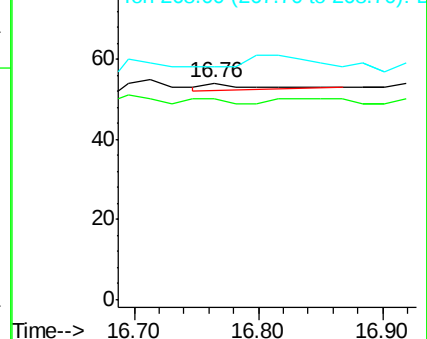
268 0.0 46.8 70.2#

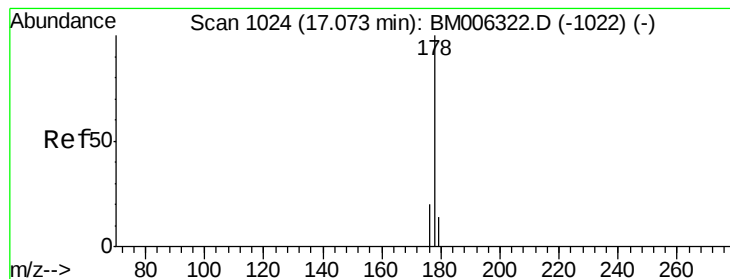


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.07 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

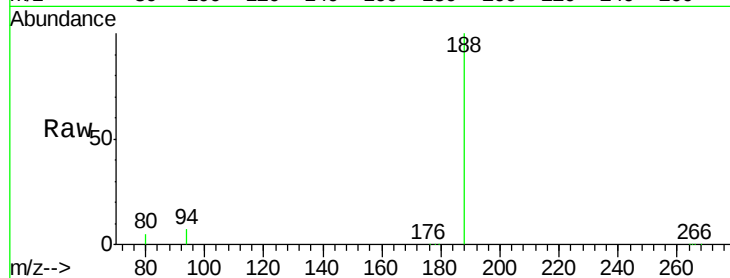
Tgt Ion:178 Resp: 788

Ion Ratio Lower Upper

178 100

176 17.1 13.0 19.4

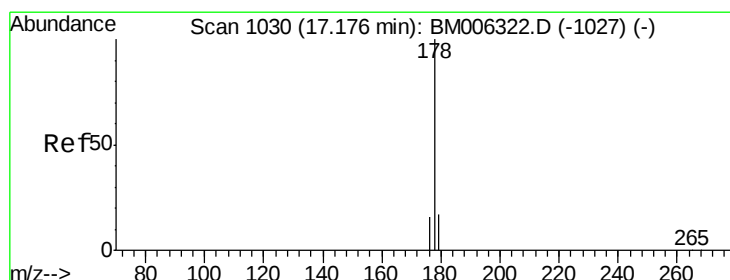
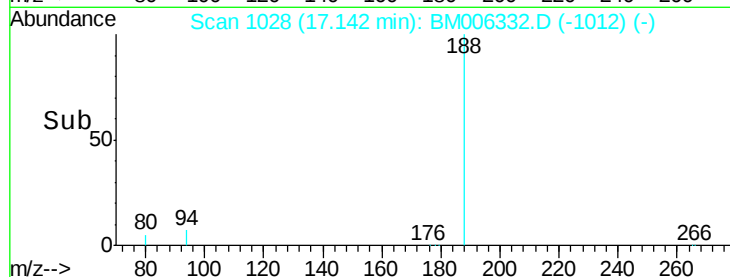
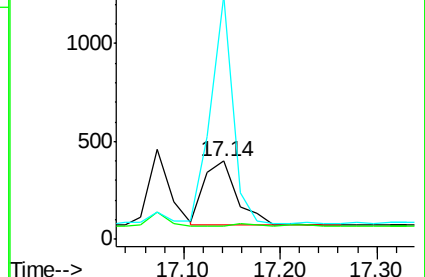
179 312.3 14.2 21.2#



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

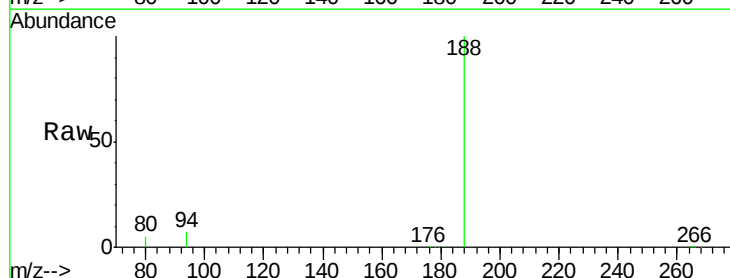
Tgt Ion:178 Resp: 783

Ion Ratio Lower Upper

178 100

176 17.1 14.0 21.0

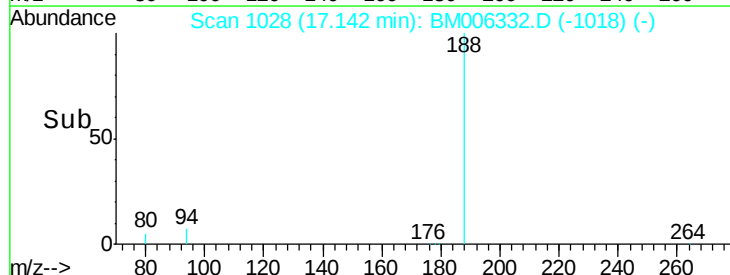
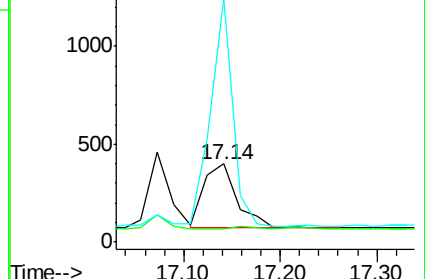
179 312.3 12.9 19.3#

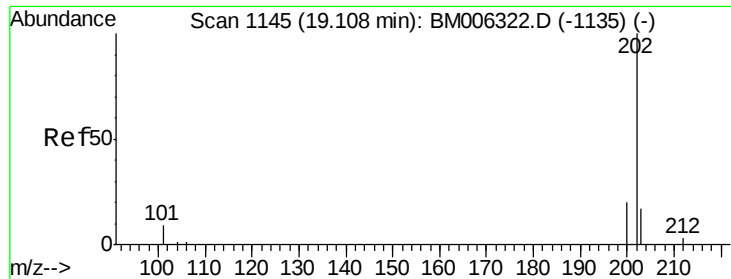


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.26 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

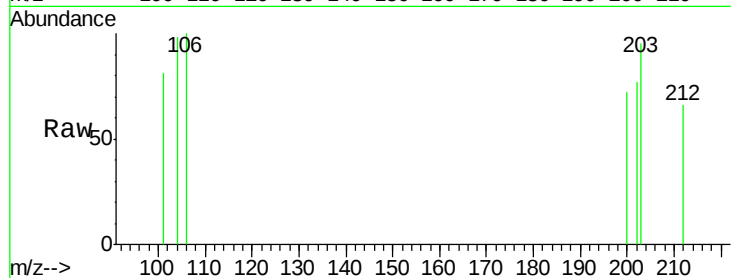
Tgt Ion:202 Resp: 20

Ion Ratio Lower Upper

202 100

101 105.3 0.0 29.6#

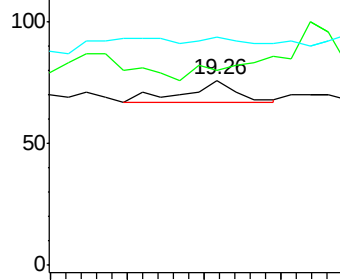
203 123.7 0.0 36.3#



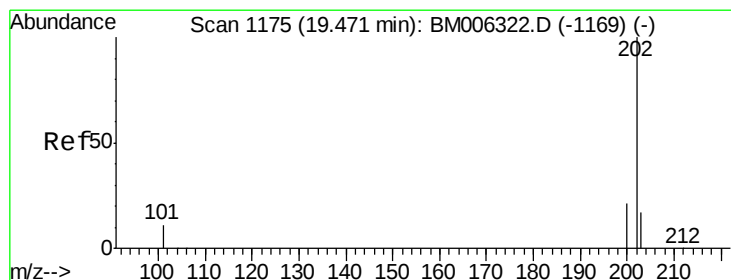
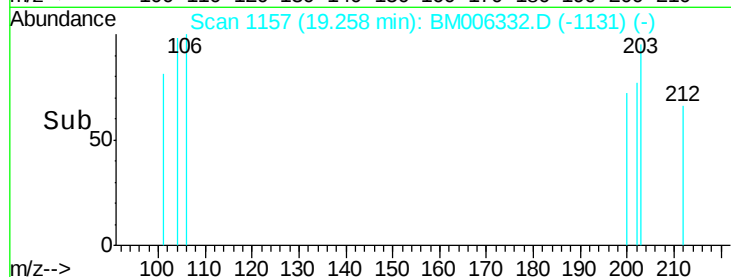
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.15 19.20 19.25 19.30



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.44 min Scan# 1172

Delta R.T. -0.03 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

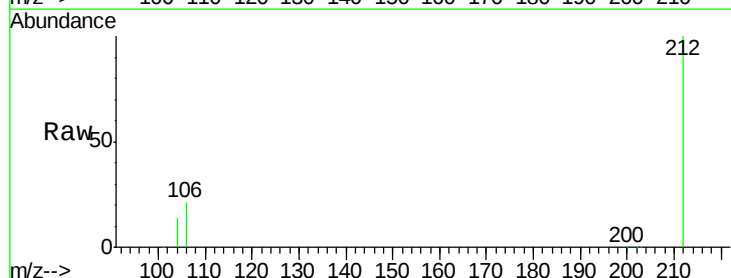
Tgt Ion:202 Resp: 2511

Ion Ratio Lower Upper

202 100

200 6.8 17.8 26.8#

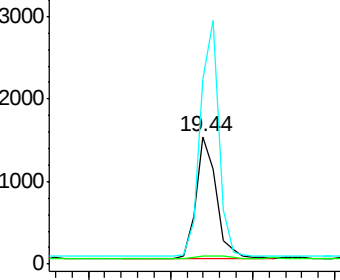
203 144.8 12.8 19.2#



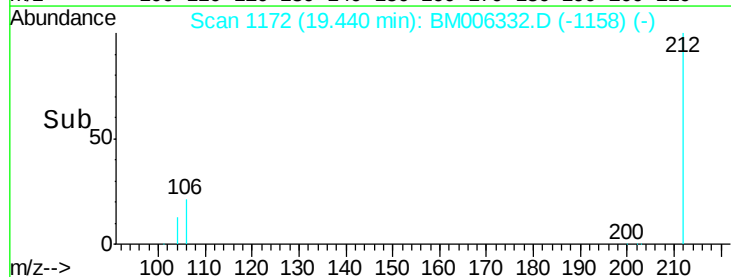
Abundance Ion 202.00 (201.70 to 202.70): E

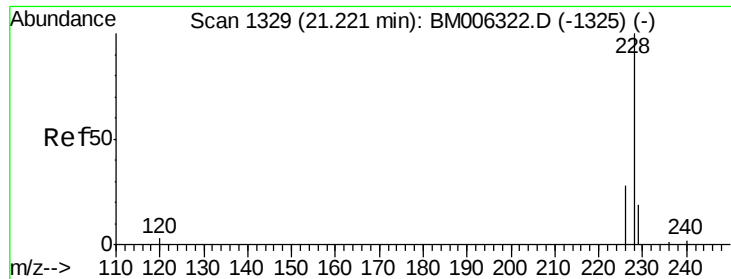
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.30 19.40 19.50





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.23 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

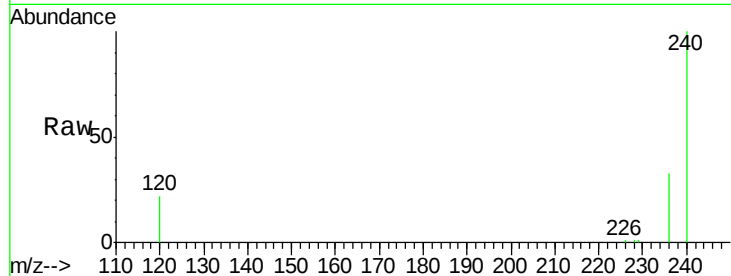
Tgt Ion:228 Resp: 149

Ion Ratio Lower Upper

228 100

226 67.1 18.8 28.2#

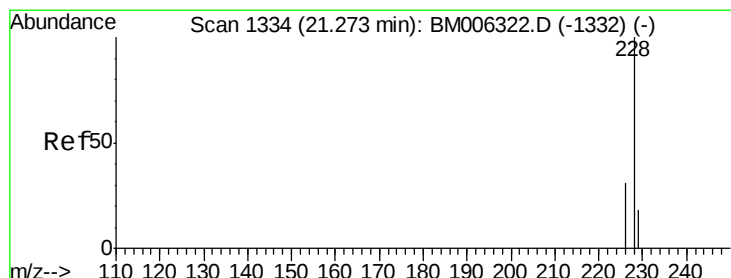
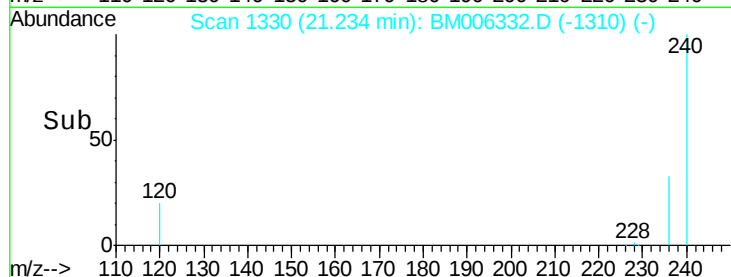
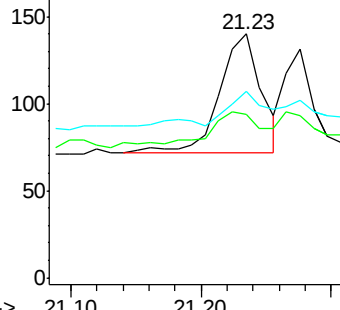
229 76.4 17.1 25.7#



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: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

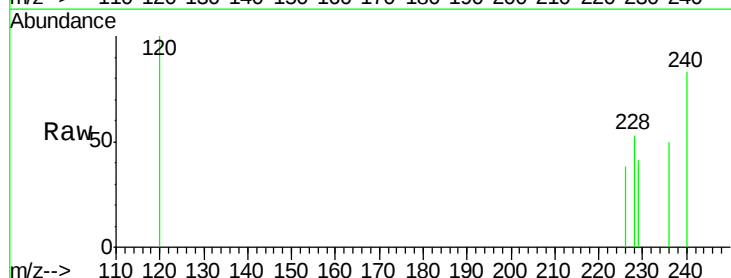
Tgt Ion:228 Resp: 85

Ion Ratio Lower Upper

228 100

226 71.0 21.2 31.8#

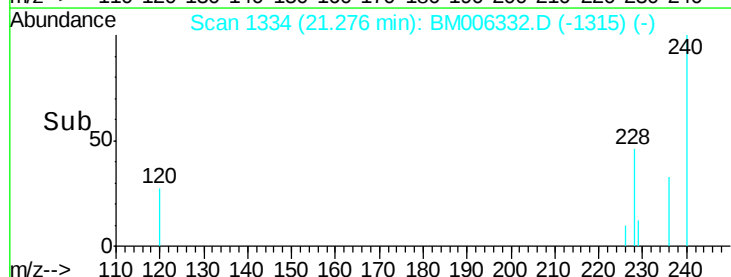
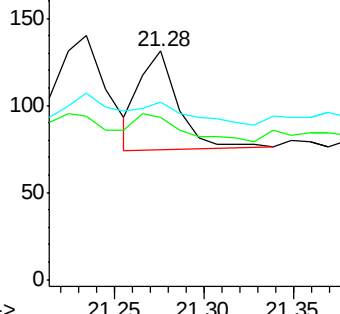
229 77.9 17.0 25.6#

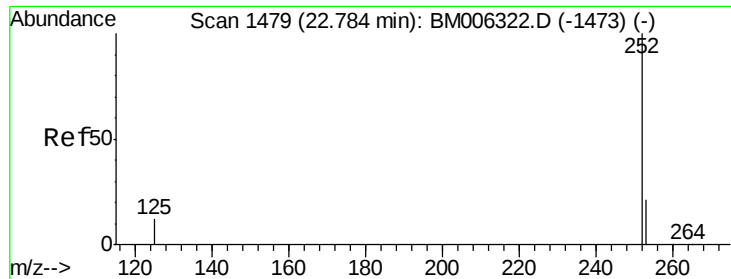


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.63 min Scan# 1464

Delta R.T. -0.15 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

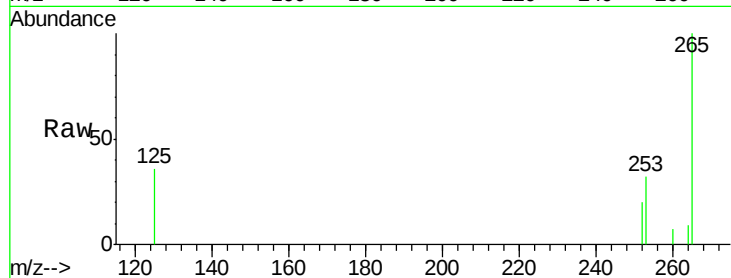
Tgt Ion:252 Resp: 19

Ion Ratio Lower Upper

252 100

253 157.3 0.0 45.4#

125 178.6 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

600

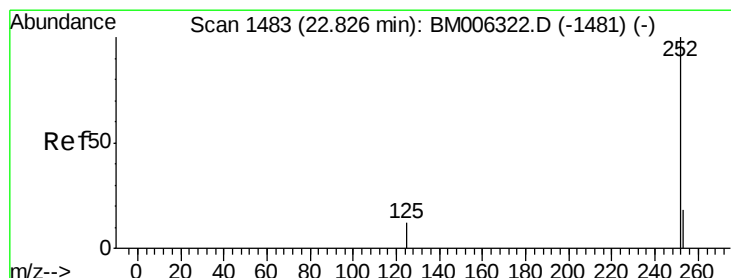
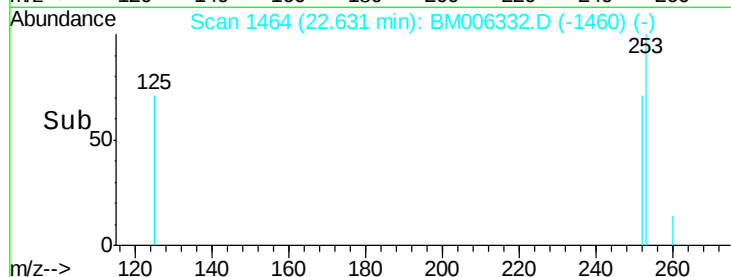
400

200

0

22.63

Time--> 22.55 22.60 22.65 22.70



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.63 min Scan# 1464

Delta R.T. -0.19 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

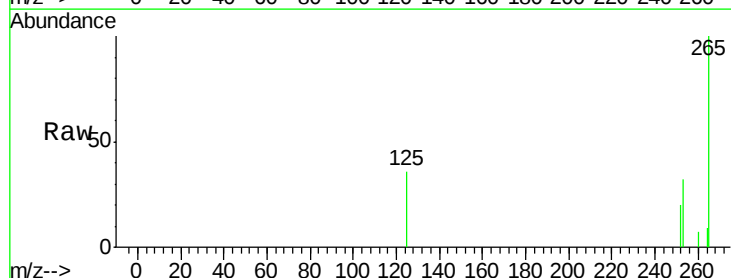
Tgt Ion:252 Resp: 19

Ion Ratio Lower Upper

252 100

253 157.3 19.8 29.8#

125 178.6 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

600

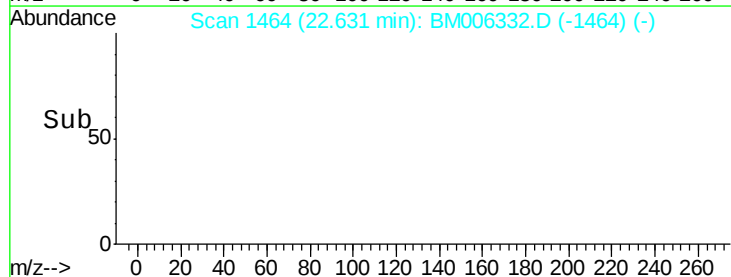
400

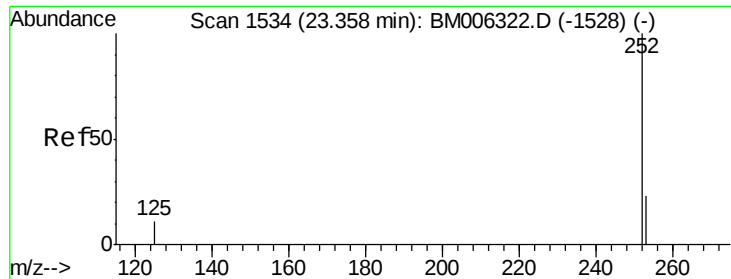
200

0

22.63

Time--> 22.55 22.60 22.65 22.70





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

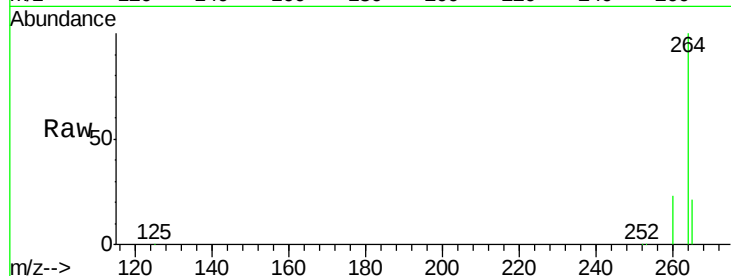
Tgt Ion:252 Resp: 4056

Ion Ratio Lower Upper

252 100

253 41.0 19.4 29.2#

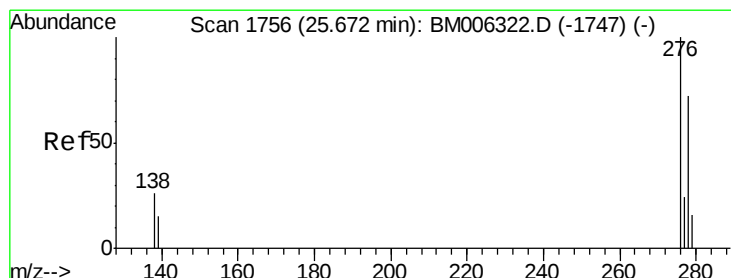
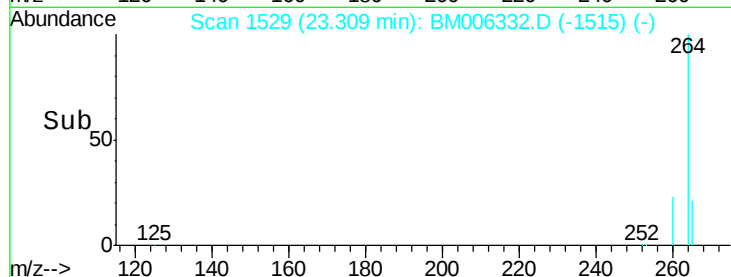
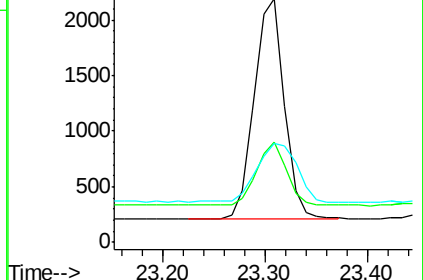
125 40.4 12.7 19.1#



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/u1

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

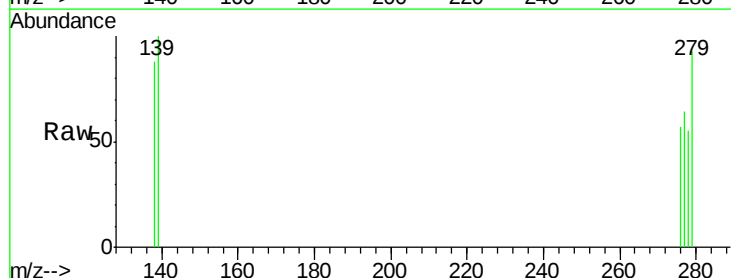
Tgt Ion:276 Resp: 788

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

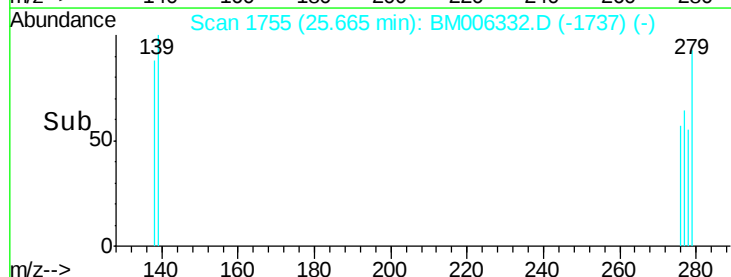
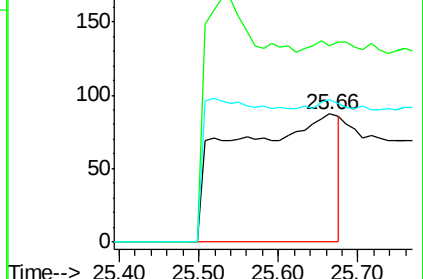
277 0.0 19.8 29.8#

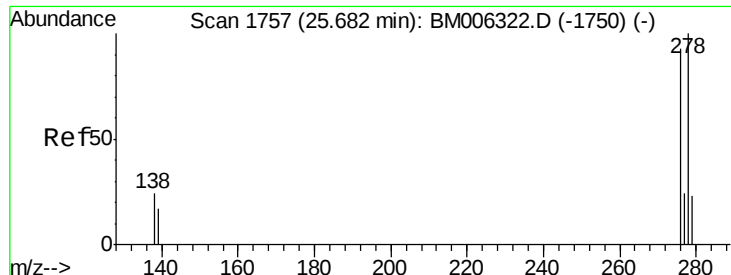


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.51 min Scan# 1740

Delta R.T. -0.17 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

Instrument :

BNA_M

ClientSampleId :

A4TS2

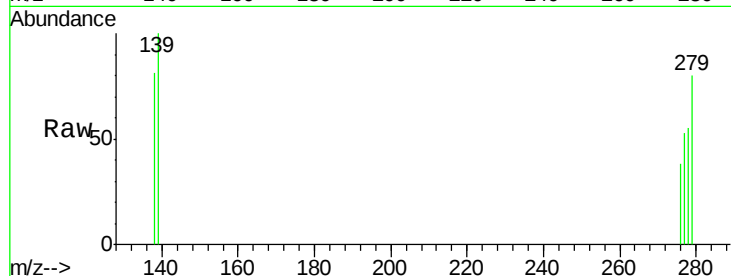
Tgt Ion: 278 Resp: 935

Ion Ratio Lower Upper

278 100

139 180.2 16.4 24.6#

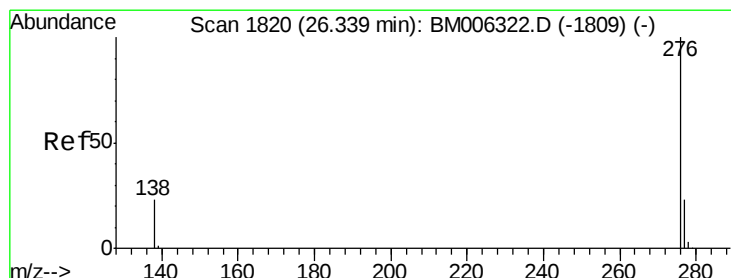
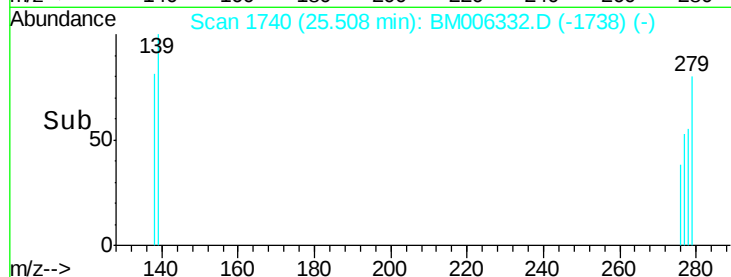
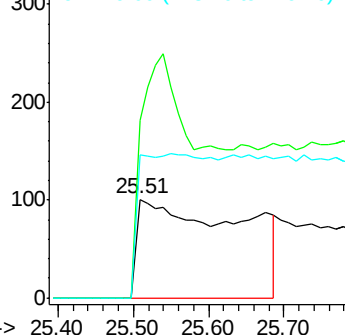
279 144.6 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.19 min Scan# 1805

Delta R.T. -0.15 min

Lab File: BM006332.D

Acq: 07 Jul 2016 22:55

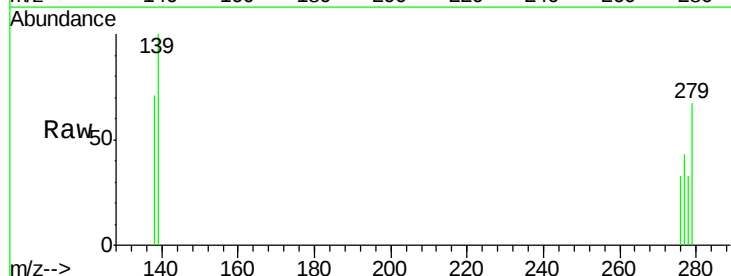
Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

277 130.6 18.9 28.3#

138 215.3 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

