

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006327.D
 Acq On : 07 Jul 2016 19:53
 Operator : UM/SJ
 Sample : H3914-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TR9

Quant Time: Jul 08 03:46:41 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	4361	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17952	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11111	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1632303	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	18172	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	994909	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	2601	1.41	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7461	0.36	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	22041	0.01	ng/ul	-0.01

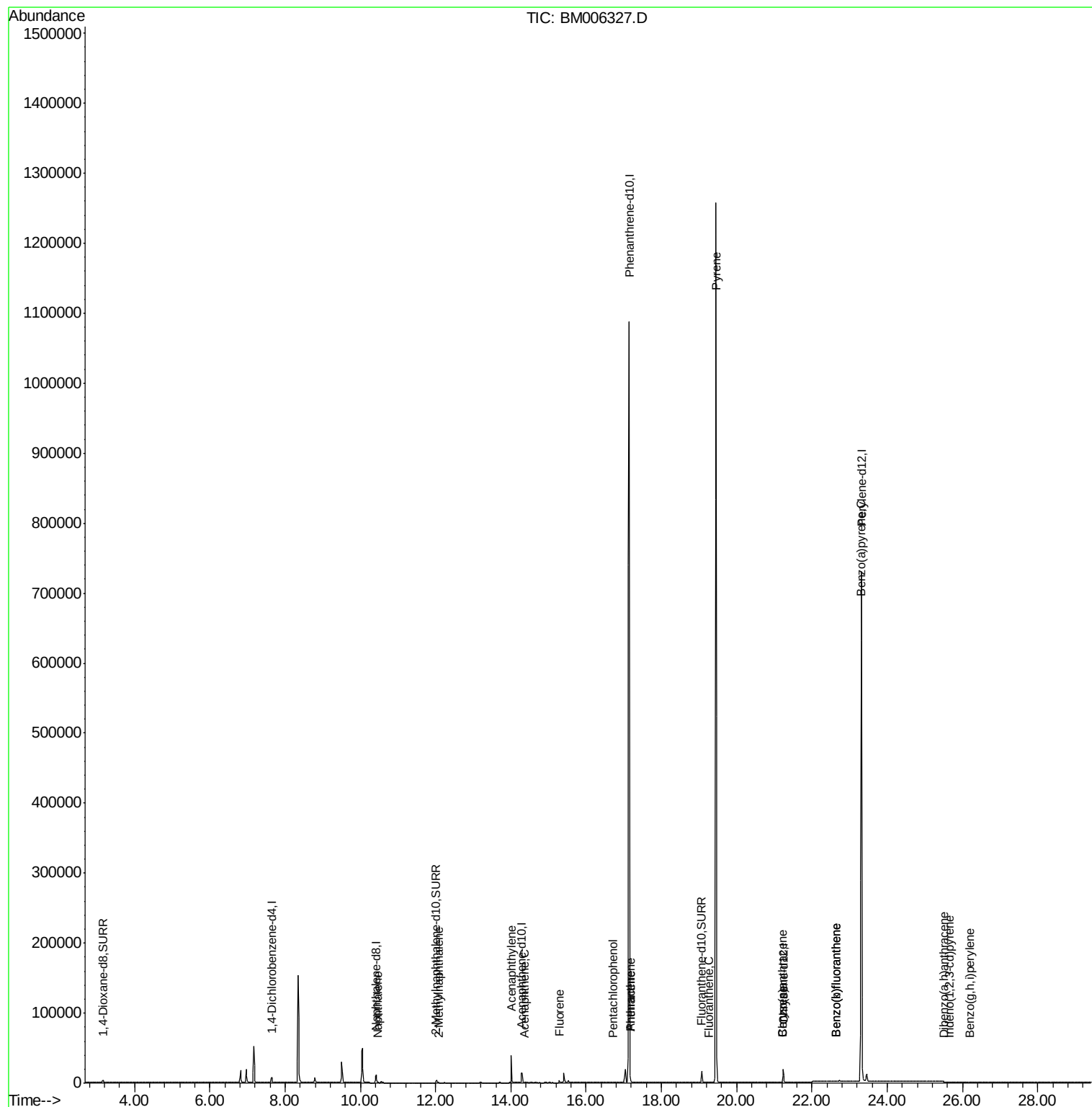
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	127	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.09	142	60	0.00	ng/ul	95
9) Acenaphthylene	14.01	152	235	0.01	ng/ul#	24
10) Acenaphthene	14.35	153	39	0.00	ng/ul#	71
11) Fluorene	15.29	166	2868	0.07	ng/ul#	21
13) Pentachlorophenol	16.71	266	93	0.00	ng/ul	93
14) Phenanthrene	17.18	178	8492	0.00	ng/ul	97
15) Anthracene	17.18	178	8439	0.00	ng/ul	96
17) Fluoranthene	19.25	202	62	0.00	ng/ul#	1
19) Pyrene	19.45	202	2859	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.22	228	415	0.01	ng/ul#	1
21) Chrysene	21.22	228	415	0.01	ng/ul#	4
23) Benzo(b)fluoranthene	22.64	252	73	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.64	252	73	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4258	0.00	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	25.66	276	964	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.50	278	1167	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.20	276	12	0.00	ng/ul#	1

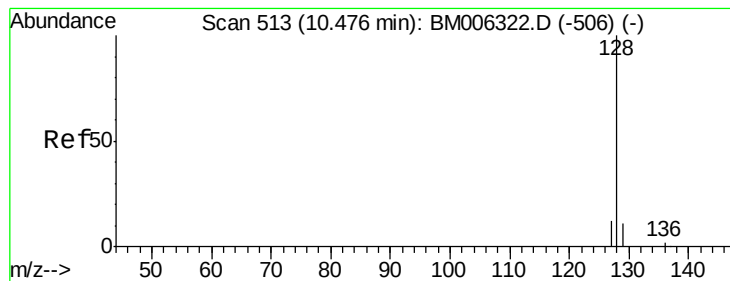
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

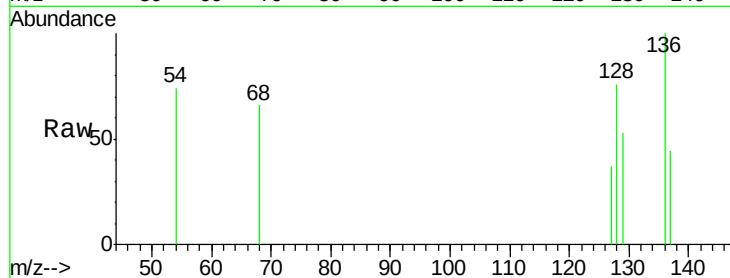
Tgt Ion:128 Resp: 127

Ion Ratio Lower Upper

128 100

129 69.1 9.0 13.6#

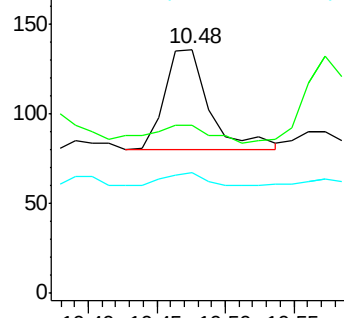
127 49.3 9.6 14.4#



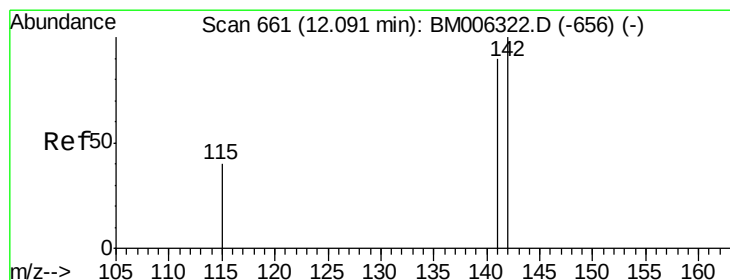
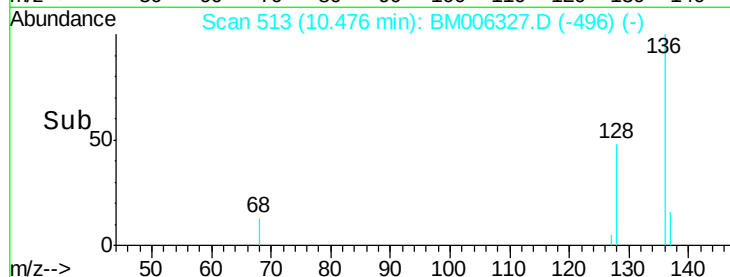
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006327.D

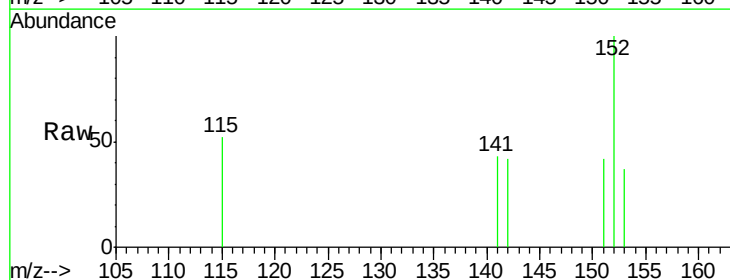
Acq: 07 Jul 2016 19:53

Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

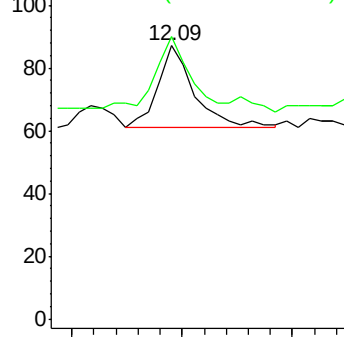
142 100

141 83.3 70.3 105.5

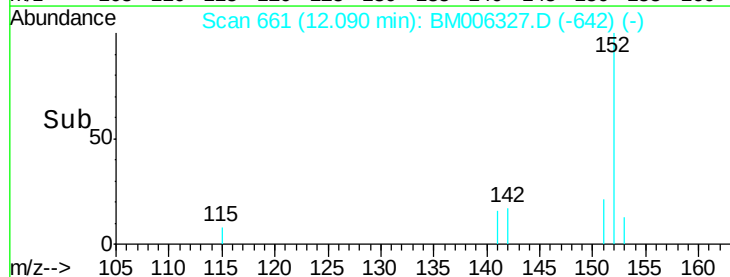


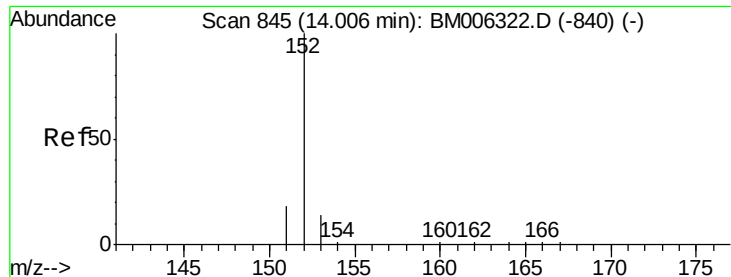
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

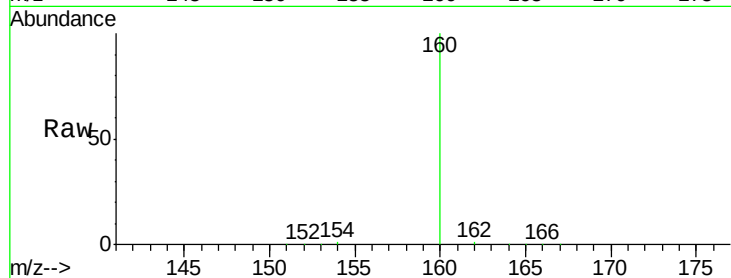
Tgt Ion:152 Resp: 235

Ion Ratio Lower Upper

152 100

151 51.6 17.6 26.4#

153 51.6 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

150

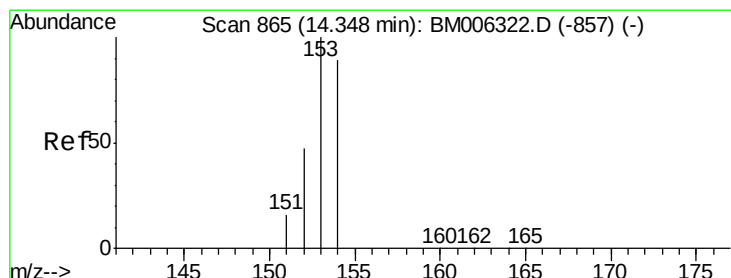
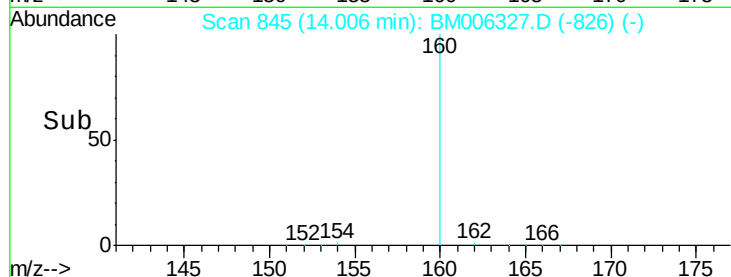
100

50

0

13.90 14.00 14.10

Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

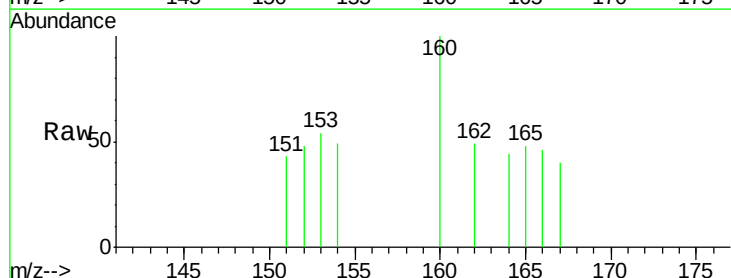
Tgt Ion:153 Resp: 39

Ion Ratio Lower Upper

153 100

152 89.3 33.9 50.9#

154 90.5 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

14.35

80

60

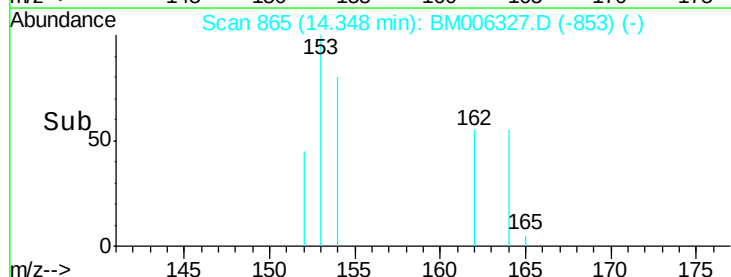
40

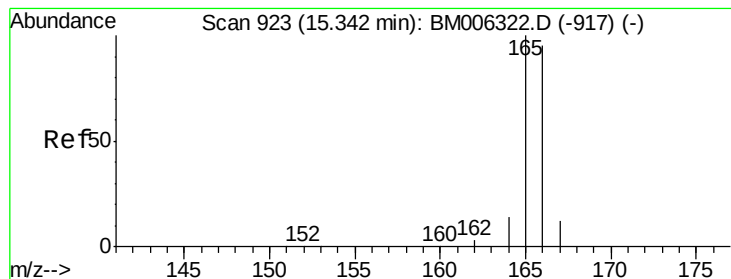
20

0

14.30 14.35 14.40

Time-->





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

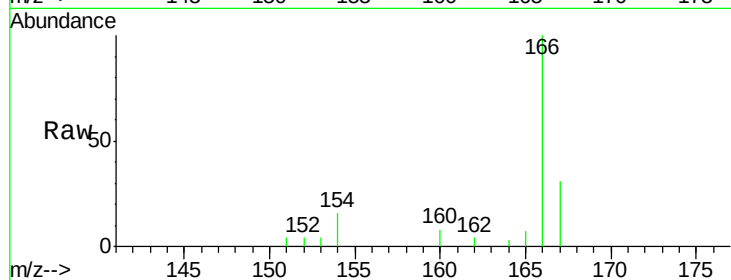
Tgt Ion:166 Resp: 2868

Ion Ratio Lower Upper

166 100

165 7.4 69.6 104.4#

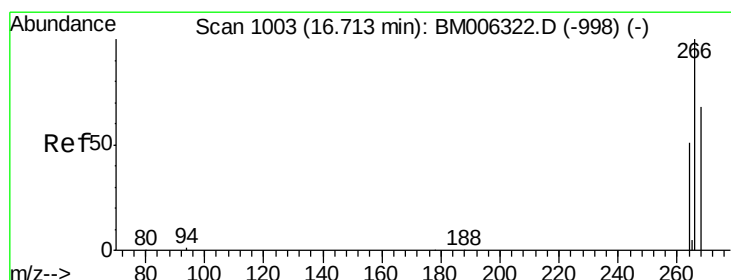
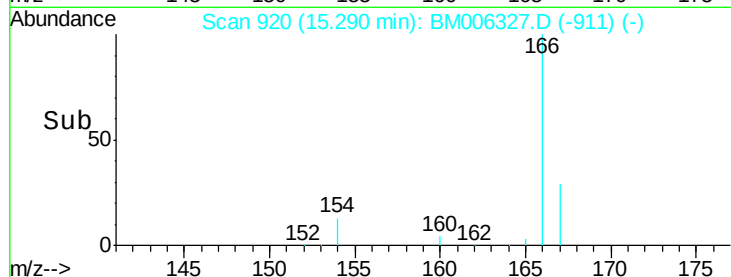
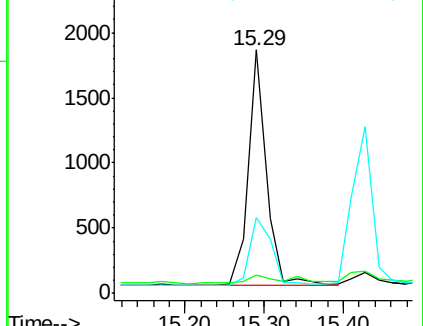
167 31.3 11.9 17.9#



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: BM006327.D

Acq: 07 Jul 2016 19:53

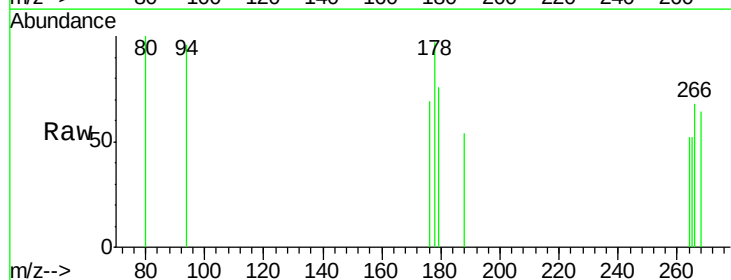
Tgt Ion:266 Resp: 93

Ion Ratio Lower Upper

266 100

264 60.2 51.8 77.8

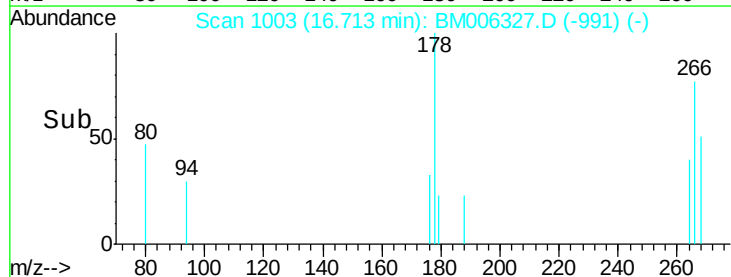
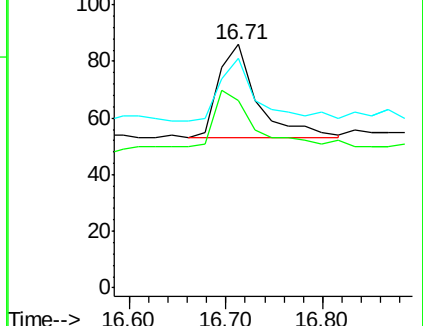
268 64.5 46.8 70.2

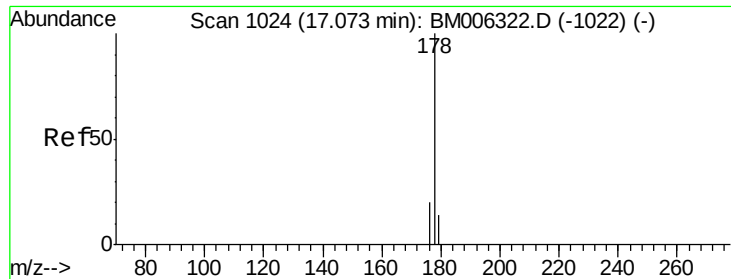


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.18 min Scan# 1030

Delta R.T. 0.10 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

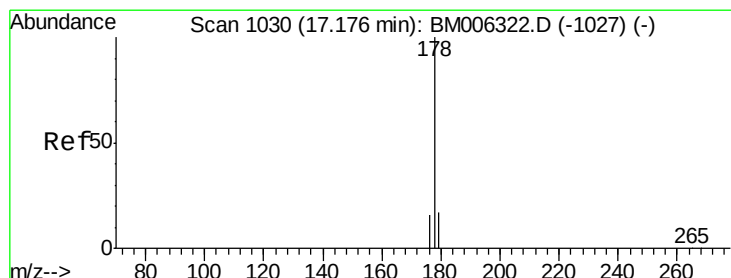
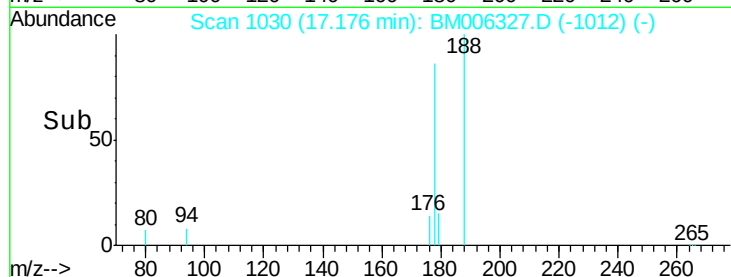
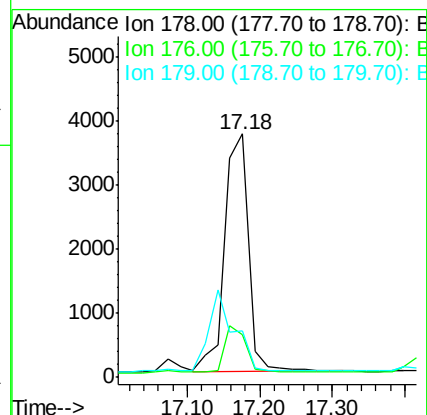
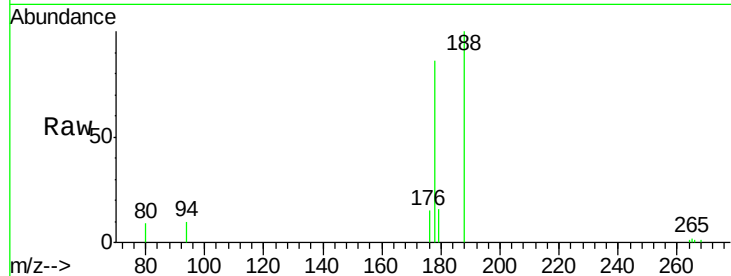
Tgt Ion:178 Resp: 8492

Ion Ratio Lower Upper

178 100

176 17.6 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: BM006327.D

Acq: 07 Jul 2016 19:53

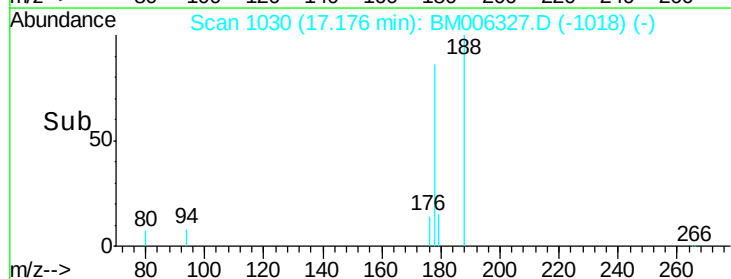
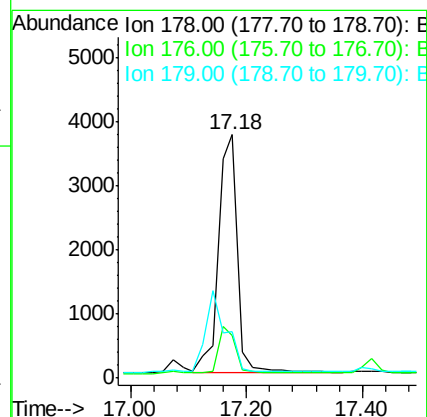
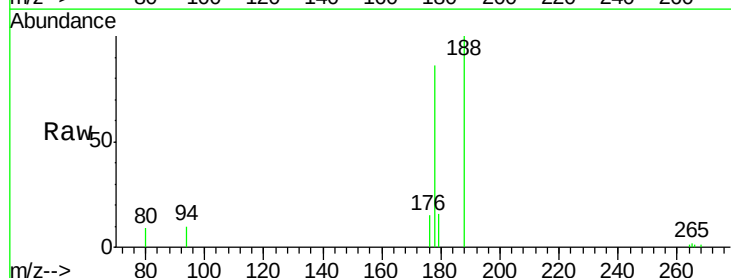
Tgt Ion:178 Resp: 8439

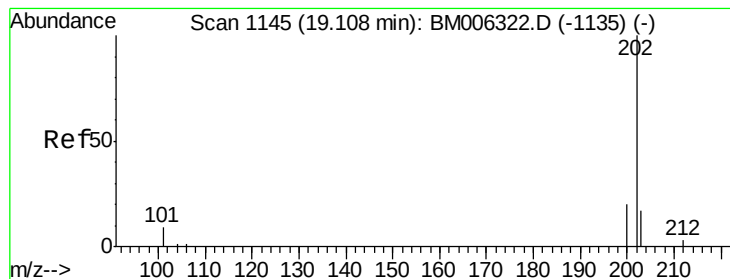
Ion Ratio Lower Upper

178 100

176 17.6 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. 0.14 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

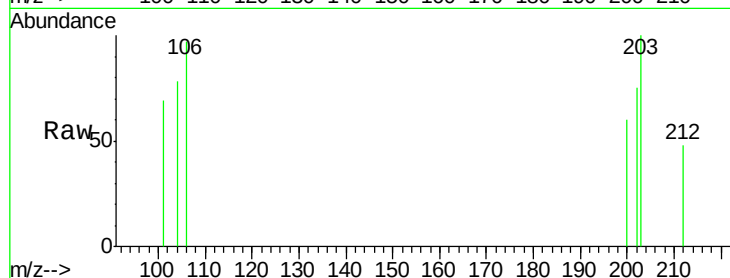
Tgt Ion:202 Resp: 62

Ion Ratio Lower Upper

202 100

101 92.0 0.0 29.6#

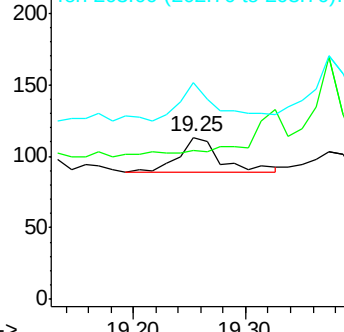
203 133.6 0.0 36.3#



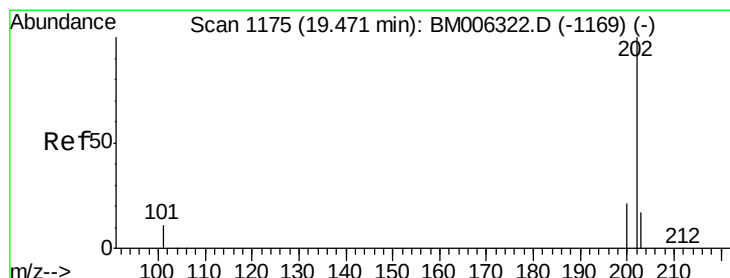
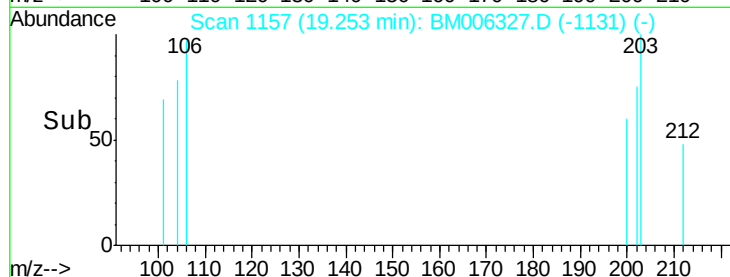
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.45 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

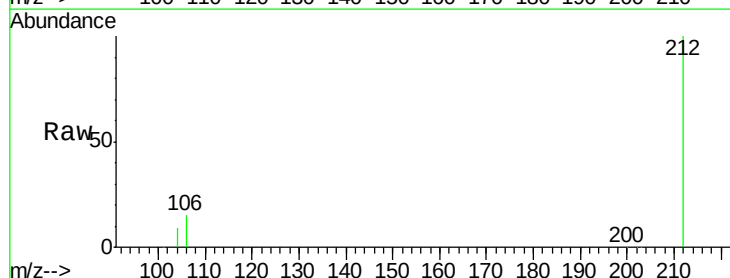
Tgt Ion:202 Resp: 2859

Ion Ratio Lower Upper

202 100

200 6.9 17.8 26.8#

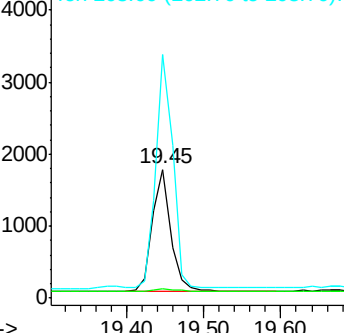
203 189.3 12.8 19.2#



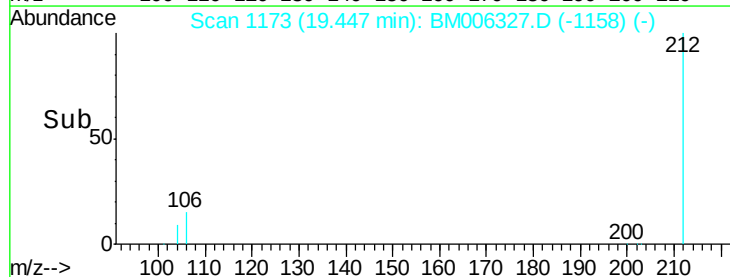
Abundance Ion 202.00 (201.70 to 202.70): E

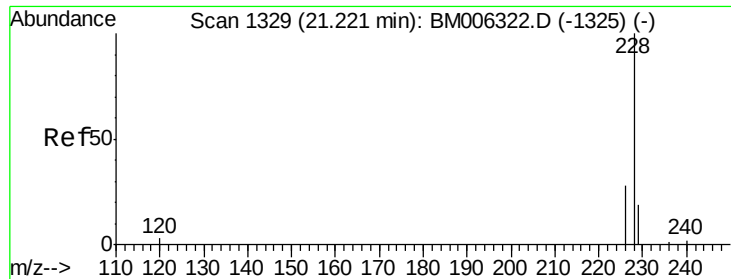
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

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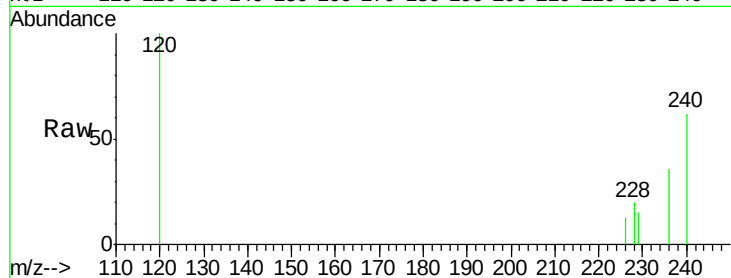
Tgt Ion:228 Resp: 415

Ion Ratio Lower Upper

228 100

226 67.9 18.8 28.2#

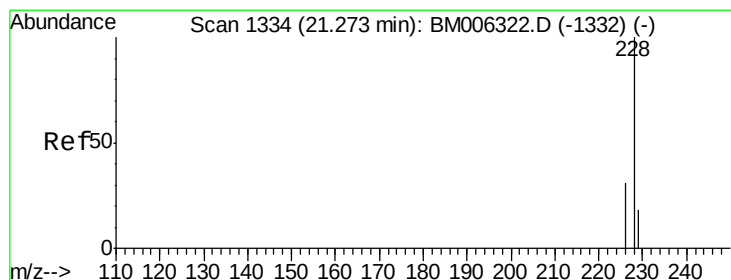
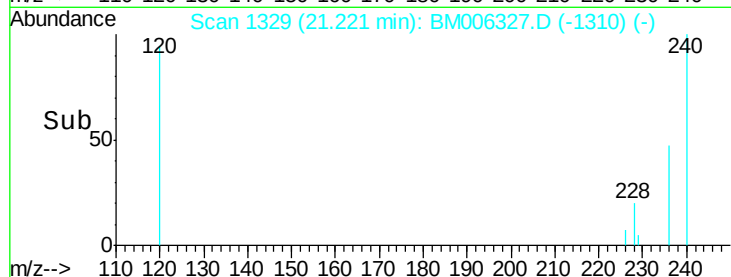
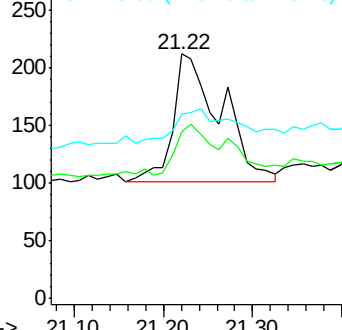
229 75.5 17.1 25.7#



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: 21.22 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

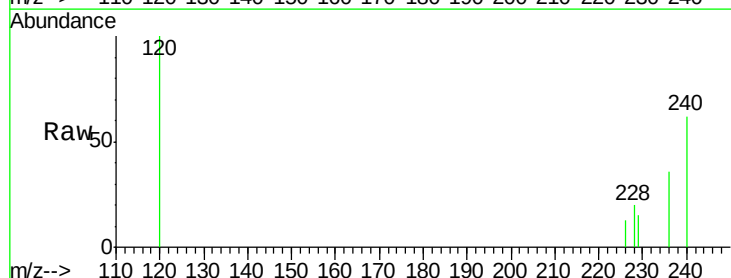
Tgt Ion:228 Resp: 415

Ion Ratio Lower Upper

228 100

226 67.9 21.2 31.8#

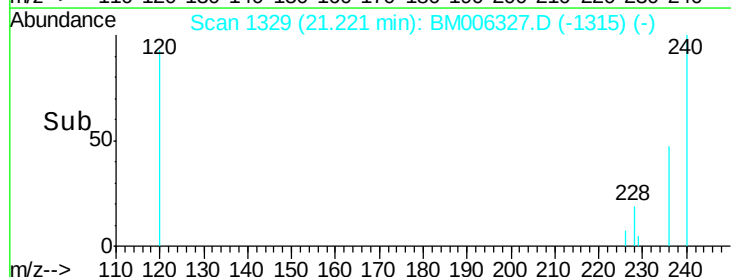
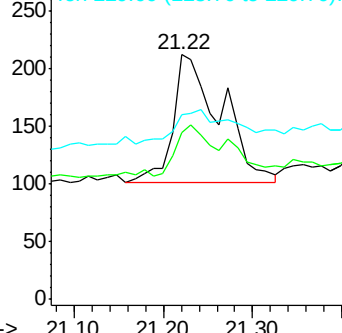
229 75.5 17.0 25.6#

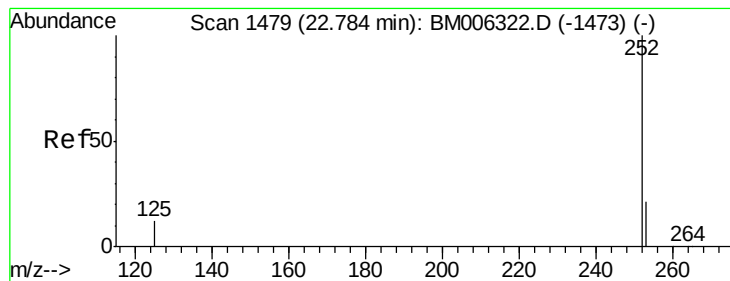


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.64 min Scan# 1465

Delta R.T. -0.15 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

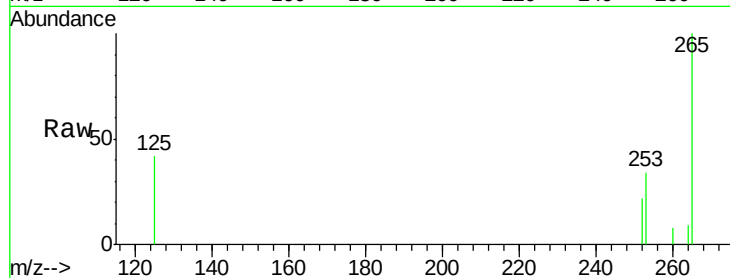
Tgt Ion:252 Resp: 73

Ion Ratio Lower Upper

252 100

253 153.7 0.0 45.4#

125 190.3 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

800

600

400

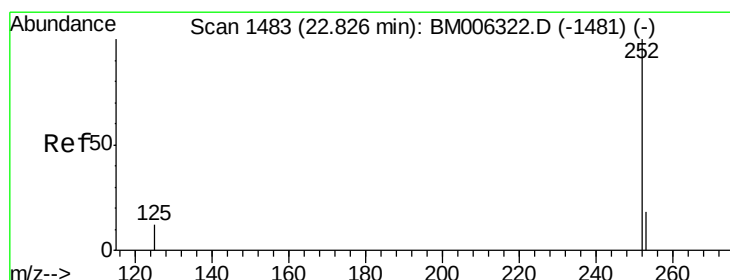
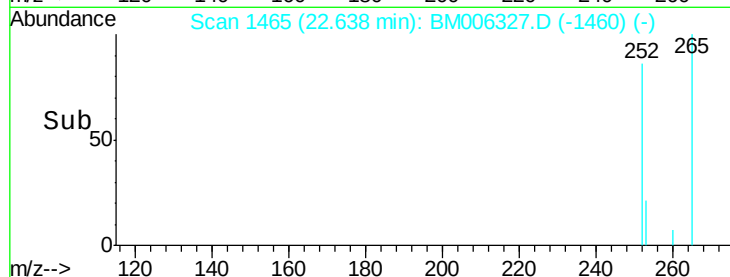
200

0

22.60

22.70

Time-->



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.64 min Scan# 1465

Delta R.T. -0.19 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

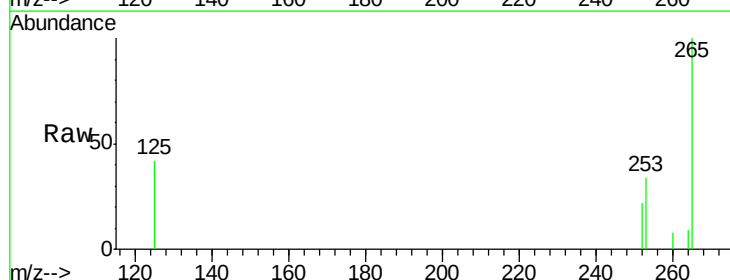
Tgt Ion:252 Resp: 73

Ion Ratio Lower Upper

252 100

253 153.7 19.8 29.8#

125 190.3 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

800

600

400

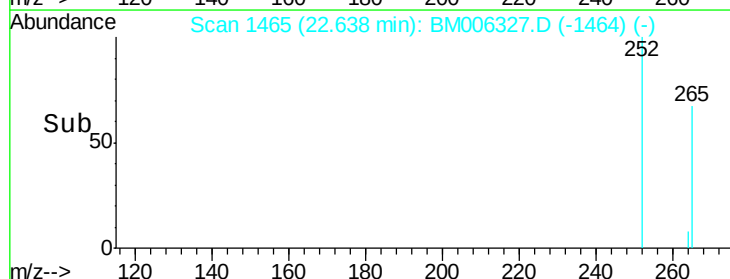
200

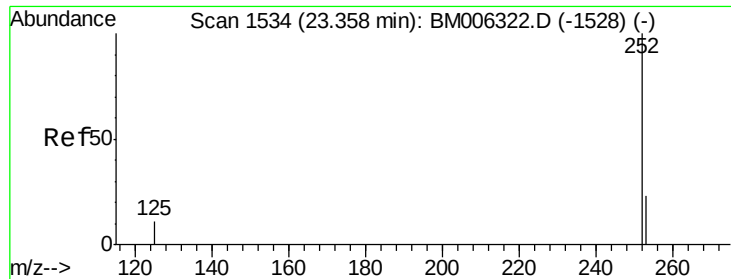
0

22.60

22.70

Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

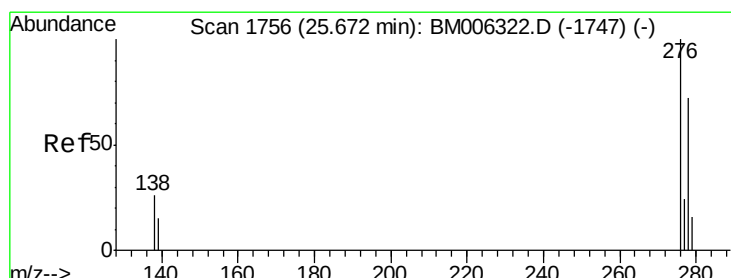
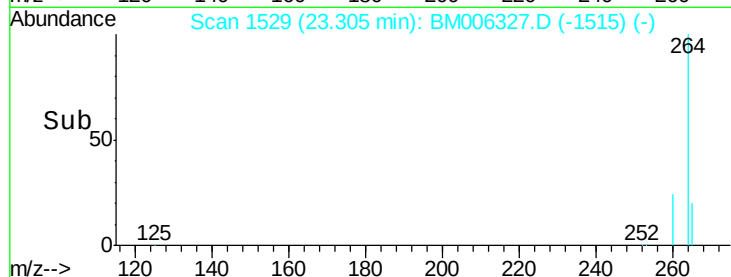
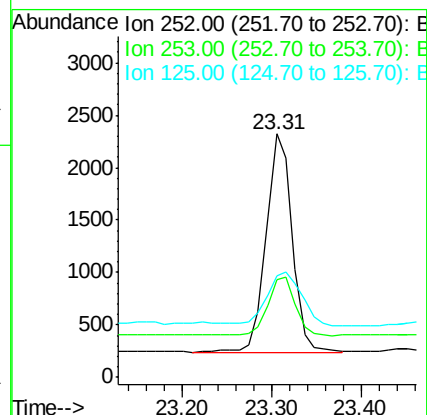
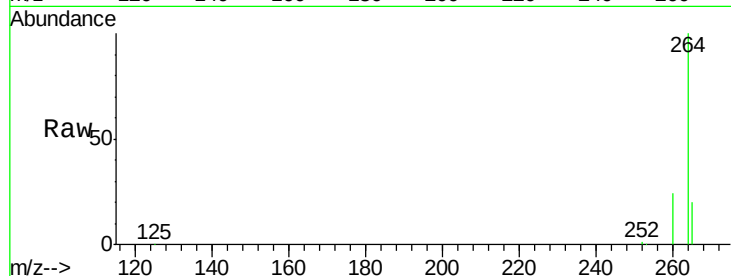
Tgt Ion:252 Resp: 4258

Ion Ratio Lower Upper

252 100

253 39.9 19.4 29.2#

125 41.9 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

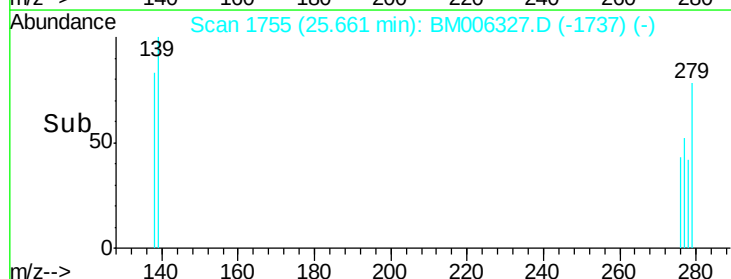
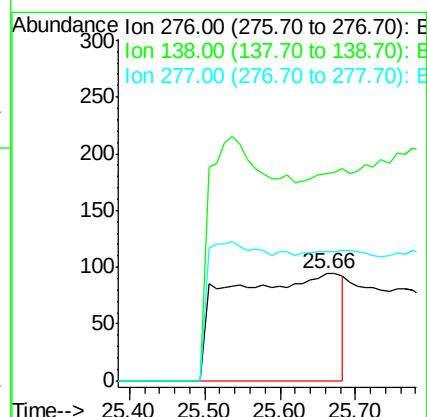
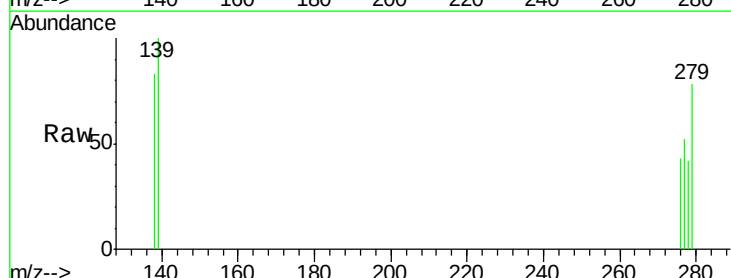
Tgt Ion:276 Resp: 964

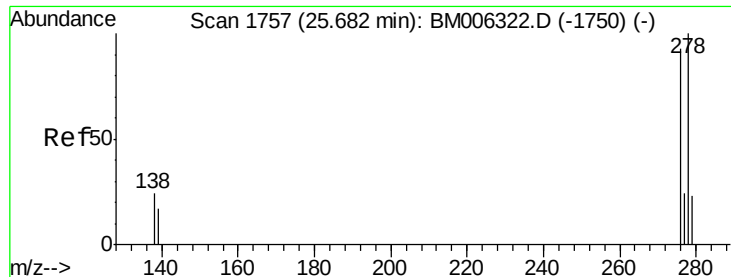
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.50 min Scan# 1740

Delta R.T. -0.18 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

Instrument :

BNA_M

ClientSampleId :

A4TR9

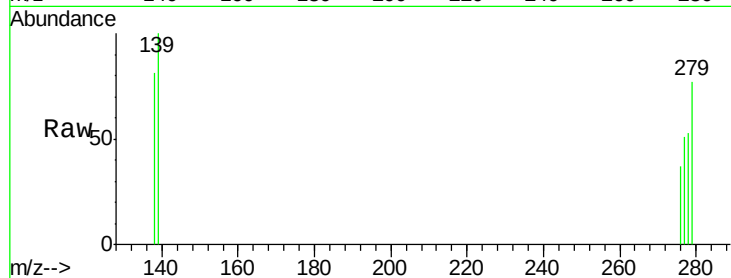
Tgt Ion: 278 Resp: 1167

Ion Ratio Lower Upper

278 100

139 187.8 16.4 24.6#

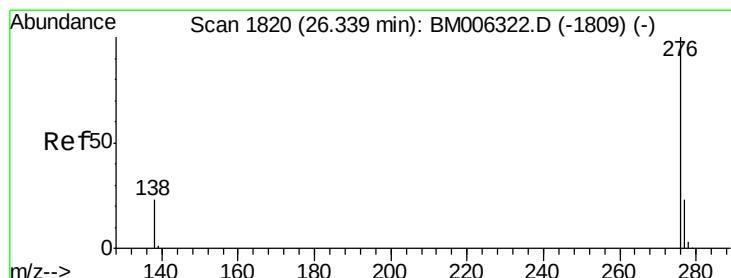
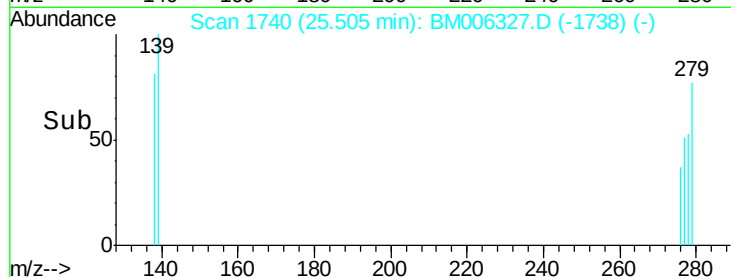
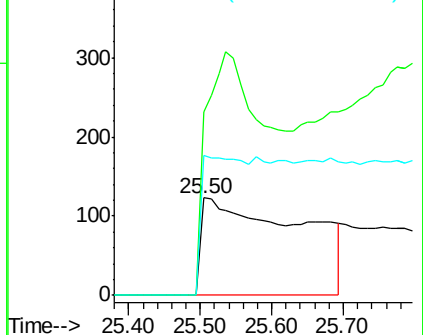
279 143.9 20.2 30.2#



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: 26.20 min Scan# 1807

Delta R.T. -0.14 min

Lab File: BM006327.D

Acq: 07 Jul 2016 19:53

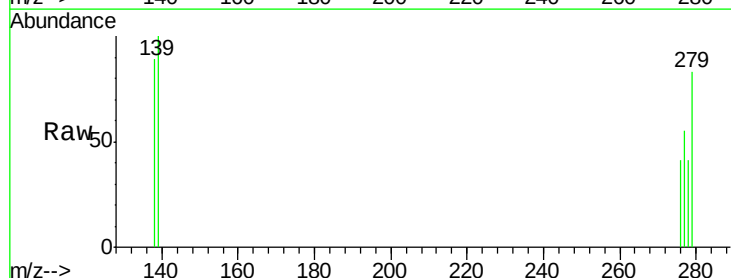
Tgt Ion: 276 Resp: 12

Ion Ratio Lower Upper

276 100

277 134.9 18.9 28.3#

138 215.7 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

