

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008698.D
 Acq On : 28 Dec 2016 17:55
 Operator : UM/SJ
 Sample : H5995-03DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA864DL

Quant Time: Dec 29 03:33:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	26	0.40	ng/ul	0.02
2) Naphthalene-d8	10.56	136	67093	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	2980	0.40	ng/ul	-0.05
10) Phenanthrene-d10	16.99	188	18082	0.40	ng/ul	-0.12
16) Chrysene-d12	21.12	240	523	0.40	ng/ul	-0.16
20) Perylene-d12	23.34	264	12788	0.40	ng/ul	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	816	0.01	ng/ul	0.05
14) Fluoranthene-d10	19.06	212	6009	0.12	ng/ul	-0.07

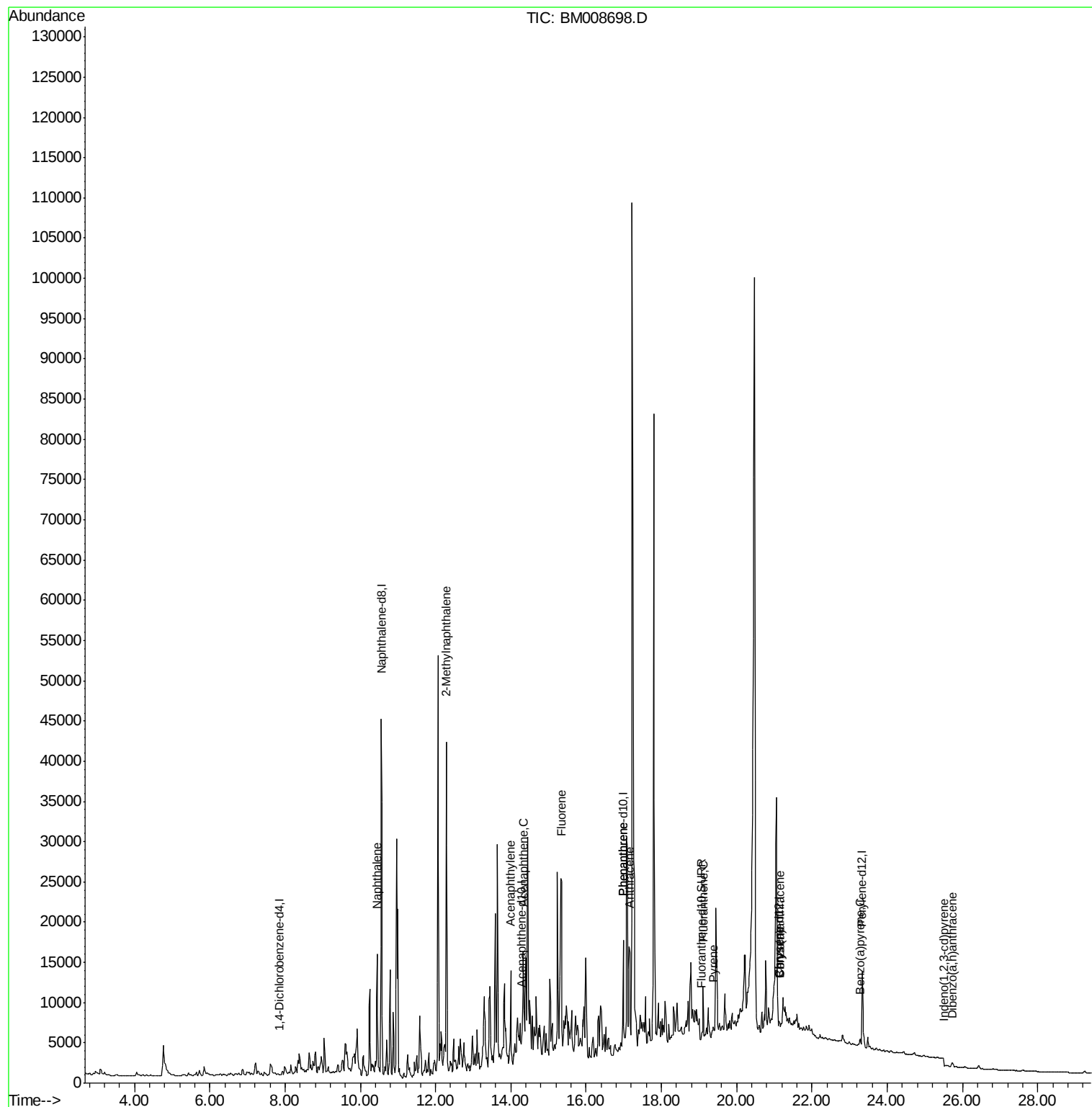
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.45	128	19889	0.11	ng/ul	94
5) 2-Methylnaphthalene	12.29	142	26951	0.21	ng/ul	99
7) Acenaphthylene	14.00	152	1869	0.14	ng/ul#	21
8) Acenaphthene	14.33	153	4635	0.46	ng/ul	94
9) Fluorene	15.34	166	19694	1.70	ng/ul	98
12) Phenanthrene	16.99	178	1119	0.02	ng/ul#	1
13) Anthracene	17.16	178	4172	0.08	ng/ul#	1
15) Fluoranthene	19.11	202	6135	0.09	ng/ul	72
17) Pyrene	19.38	202	806	0.40	ng/ul#	1
18) Benzo(a)anthracene	21.14	228	318	0.19	ng/ul#	1
19) Chrysene	21.14	228	318	0.17	ng/ul#	1
23) Benzo(a)pyrene	23.29	252	1118	0.02	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.51	276	2969	0.05	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.73	278	3601	0.08	ng/ul#	1

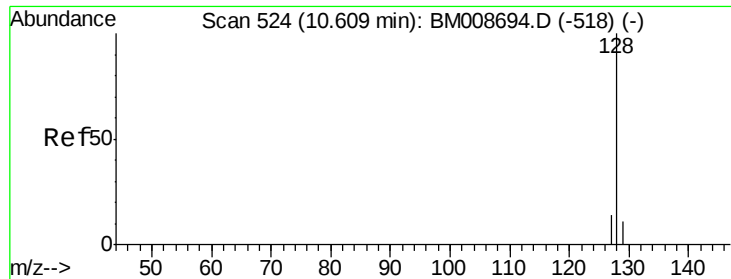
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.16 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

ClientSampleId :

DA864DL

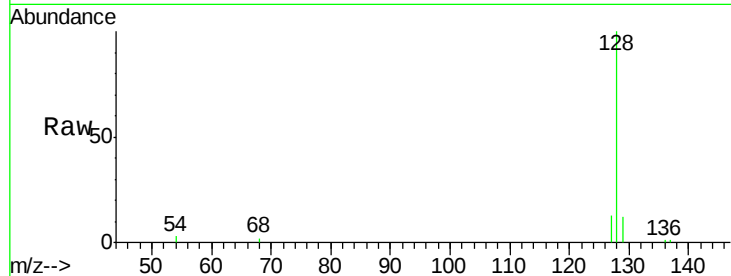
Tgt Ion:128 Resp: 19889

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

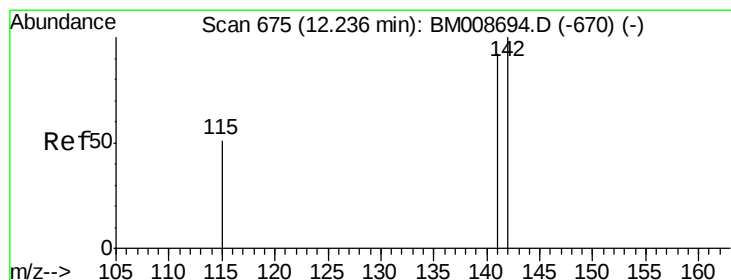
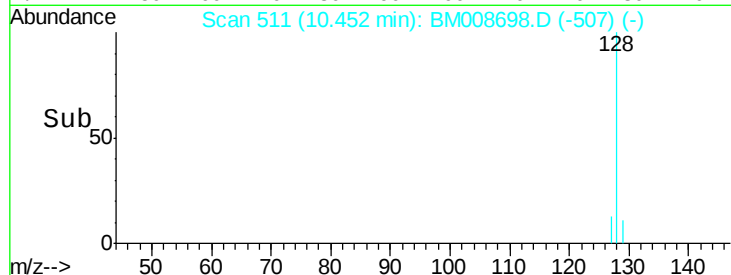
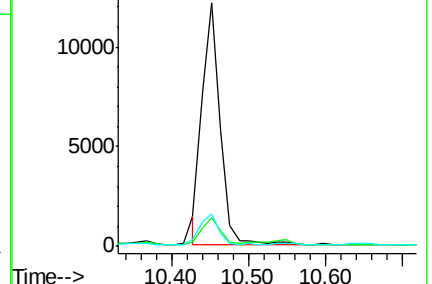
127 13.2 12.8 19.2



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: 0.21 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.05 min

Lab File: BM008698.D

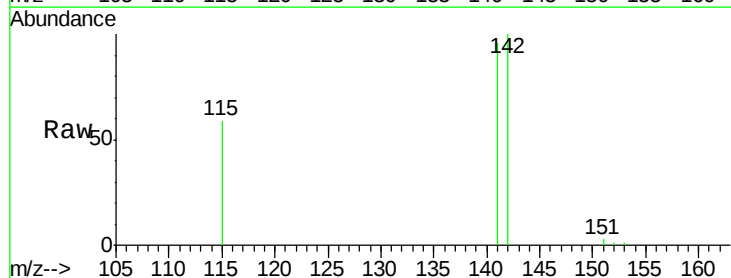
Acq: 28 Dec 2016 17:55

Tgt Ion:142 Resp: 26951

Ion Ratio Lower Upper

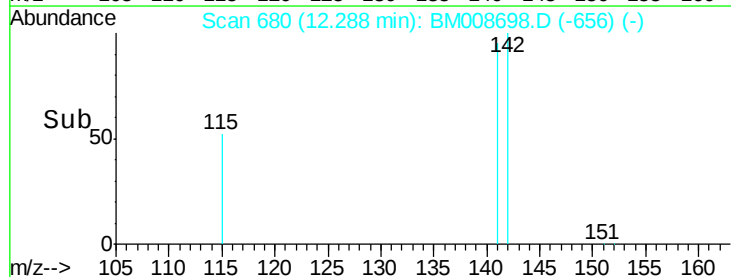
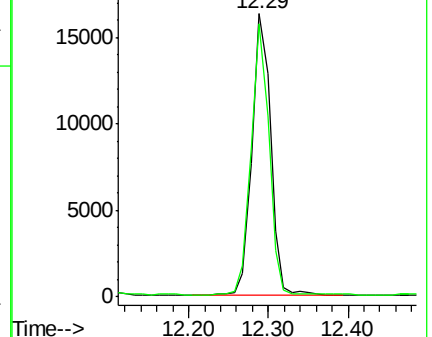
142 100

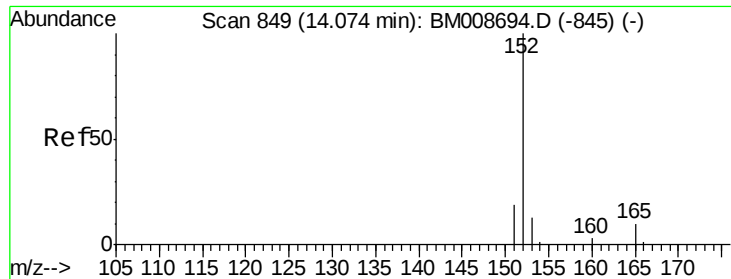
141 91.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

ClientSampleId :

DA864DL

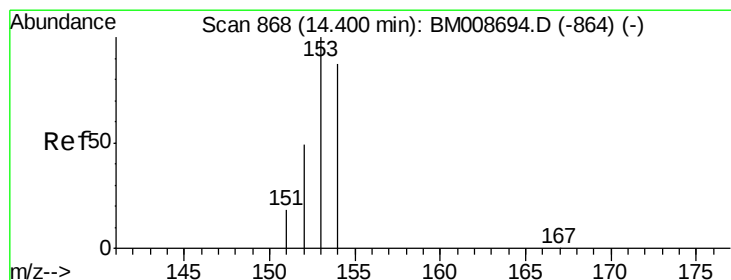
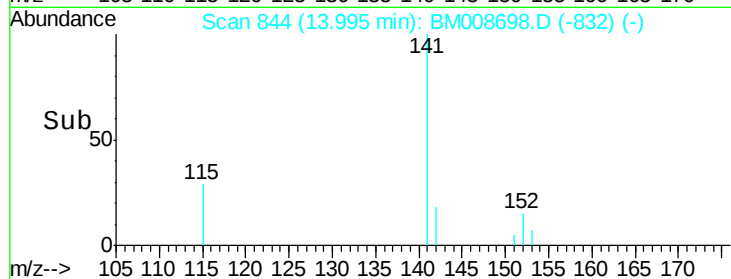
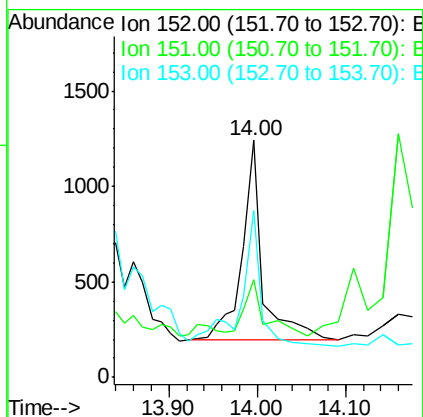
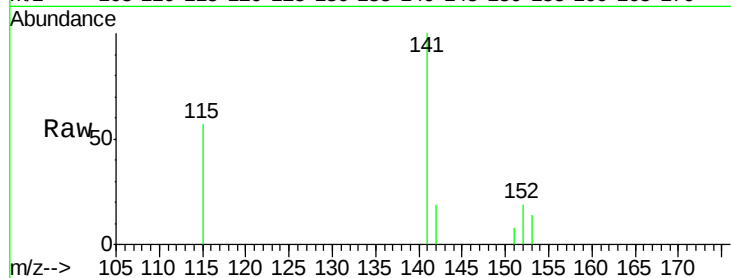
Tgt Ion:152 Resp: 1869

Ion Ratio Lower Upper

152 100

151 41.1 17.1 25.7#

153 70.5 12.8 19.2#



#8

Acenaphthene

Concen: 0.46 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.07 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

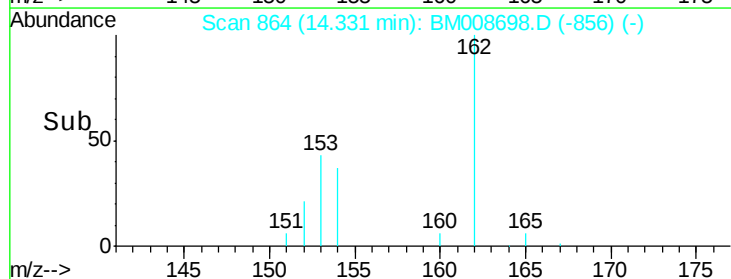
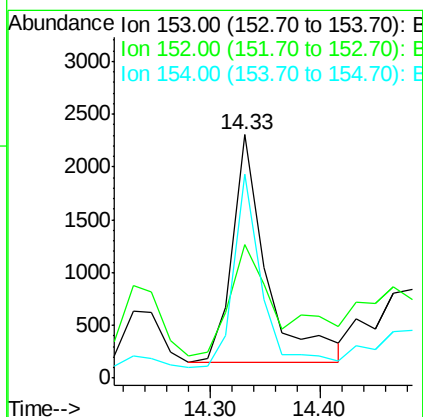
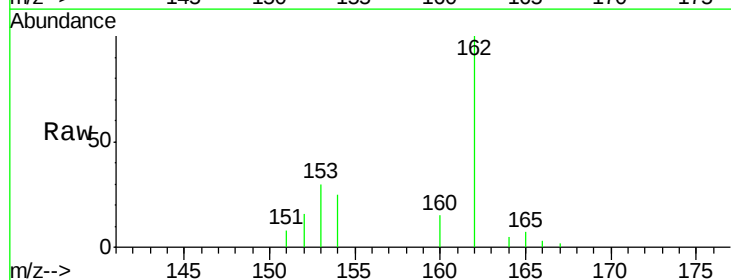
Tgt Ion:153 Resp: 4635

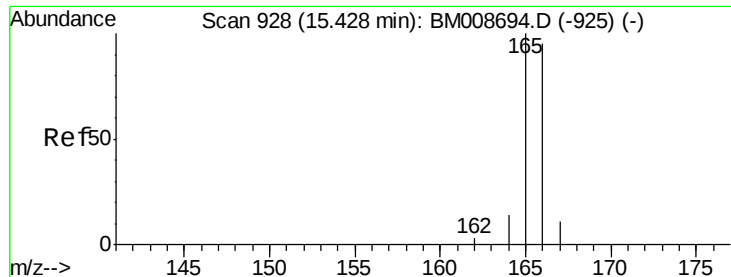
Ion Ratio Lower Upper

153 100

152 55.0 40.3 60.5

154 83.5 71.4 107.2





#9

Fluorene

Concen: 1.70 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.09 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

ClientSampleId :

DA864DL

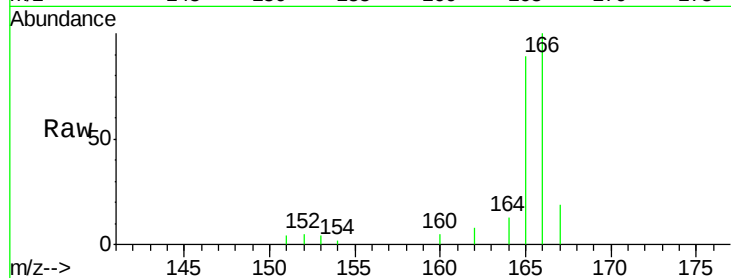
Tgt Ion:166 Resp: 19694

Ion Ratio Lower Upper

166 100

165 89.5 73.4 110.2

167 18.5 14.6 22.0

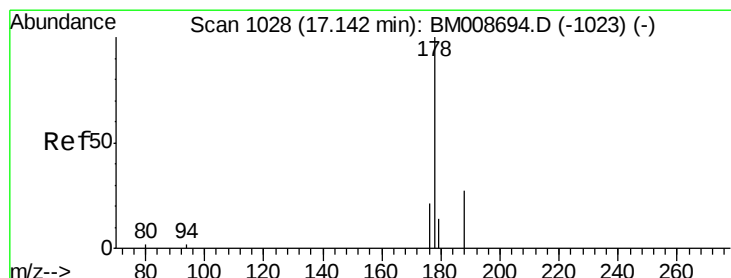
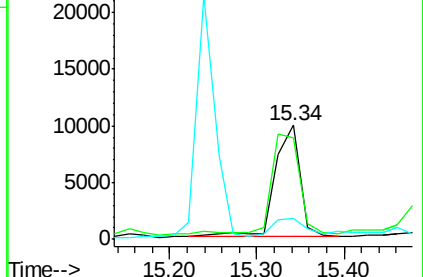
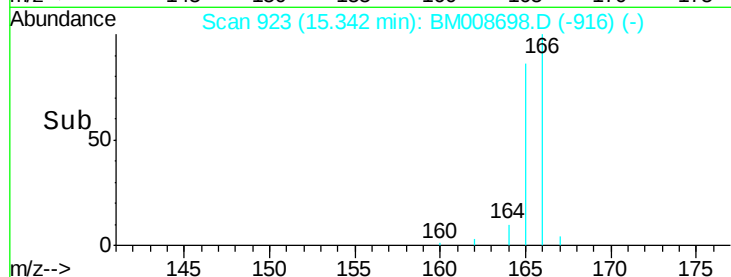


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#12

Phenanthrene

Concen: 0.02 ng/ul

RT: 16.99 min Scan# 1019

Delta R.T. -0.15 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

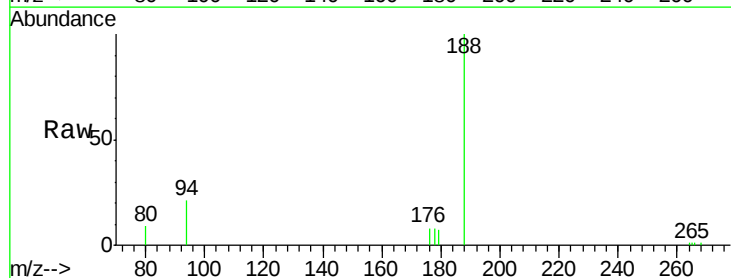
Tgt Ion:178 Resp: 1119

Ion Ratio Lower Upper

178 100

176 101.7 18.4 27.6#

179 93.4 13.6 20.4#

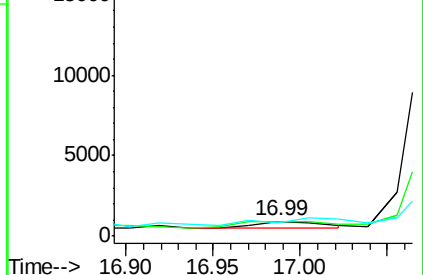
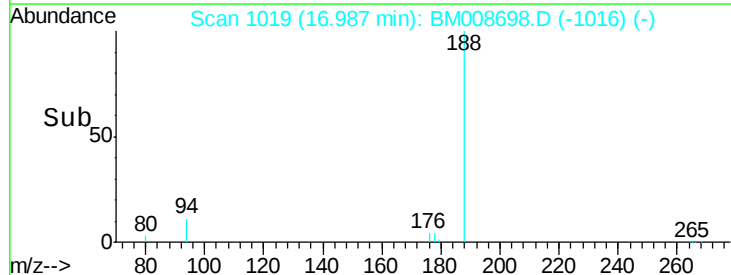


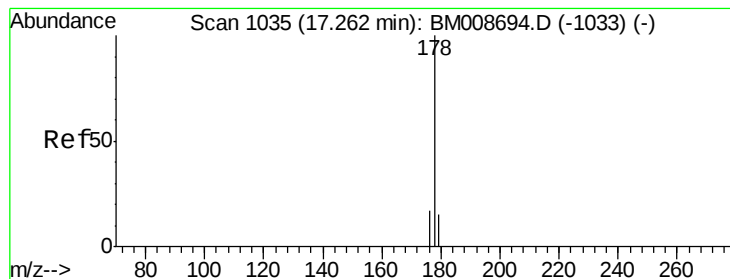
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#13

Anthracene

Concen: 0.08 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.10 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

ClientSampleId :

DA864DL

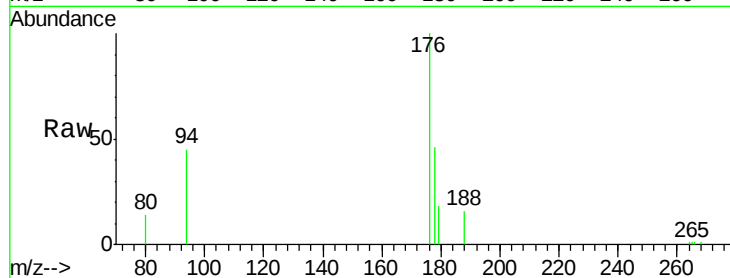
Tgt Ion:178 Resp: 4172

Ion Ratio Lower Upper

178 100

176 215.2 18.1 27.1#

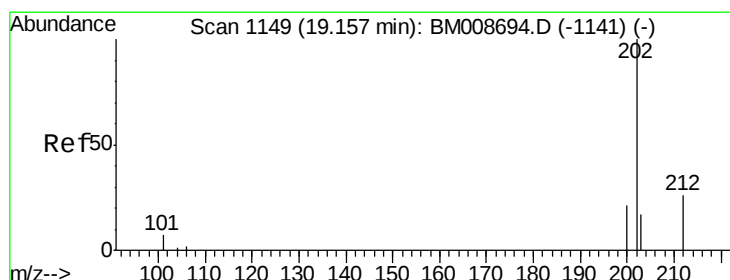
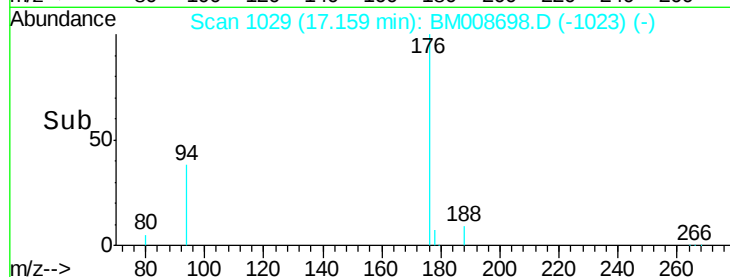
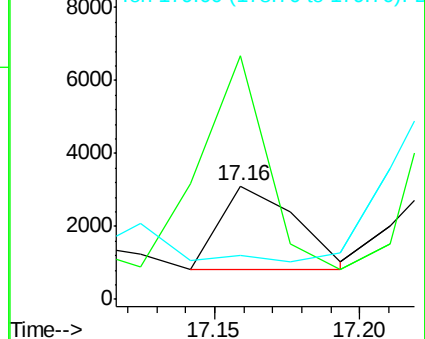
179 38.5 14.7 22.1#



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: 0.09 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

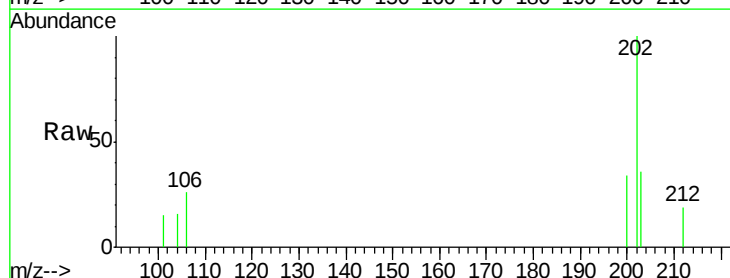
Tgt Ion:202 Resp: 6135

Ion Ratio Lower Upper

202 100

101 15.0 0.0 30.3

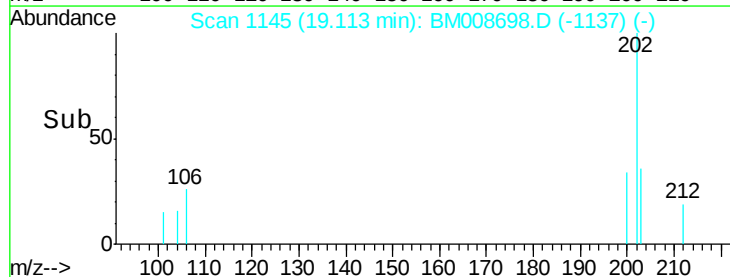
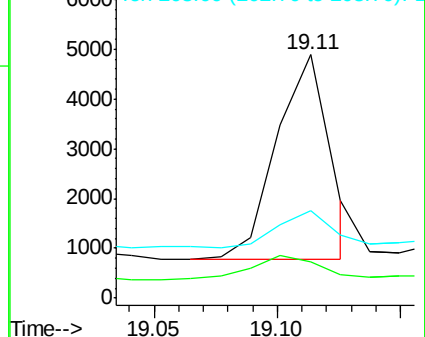
203 36.0 0.0 39.5

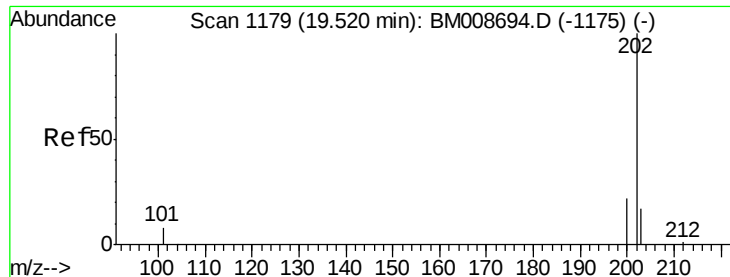


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

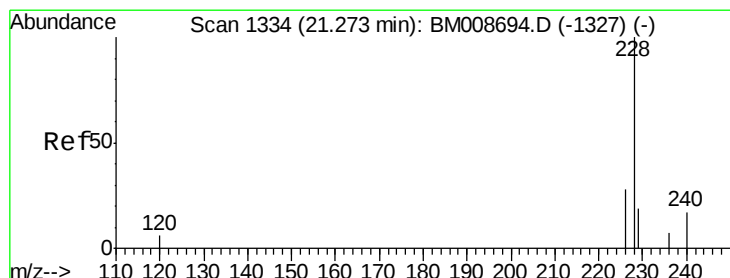
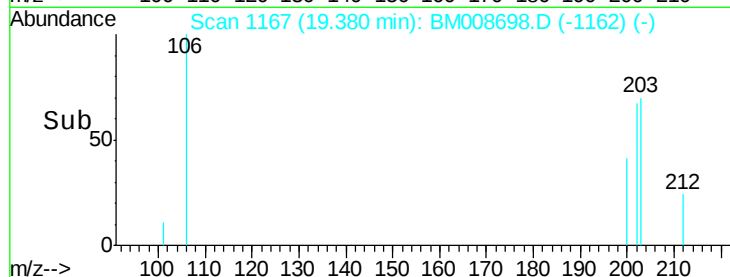
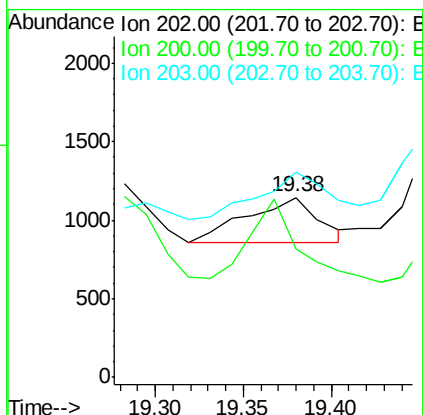
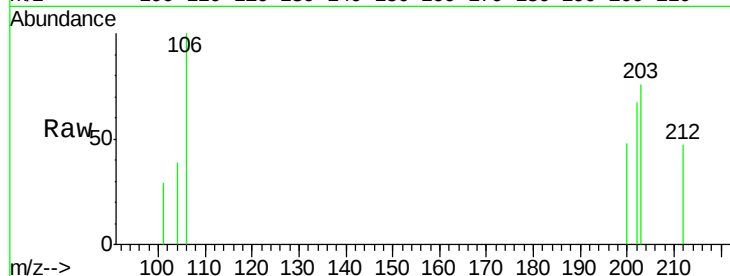




#17
 Pyrene
 Concen: 0.40 ng/ul
 RT: 19.38 min Scan# 1167
 Delta R.T. -0.14 min
 Lab File: BM008698.D
 Acq: 28 Dec 2016 17:55

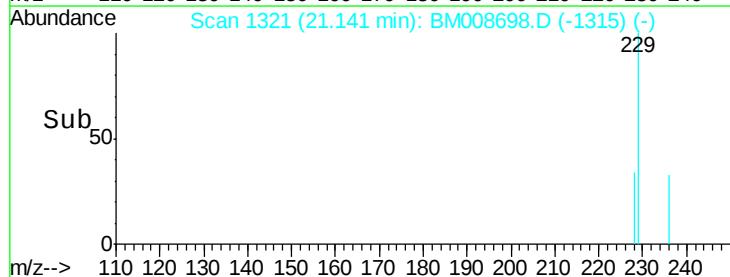
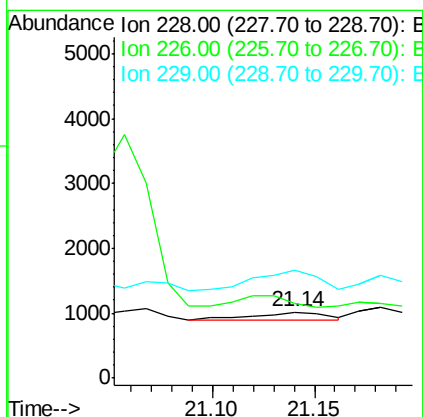
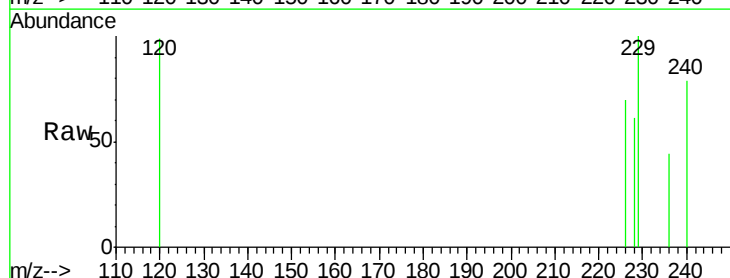
Instrument :
 BNA_M
 ClientSampleId :
 DA864DL

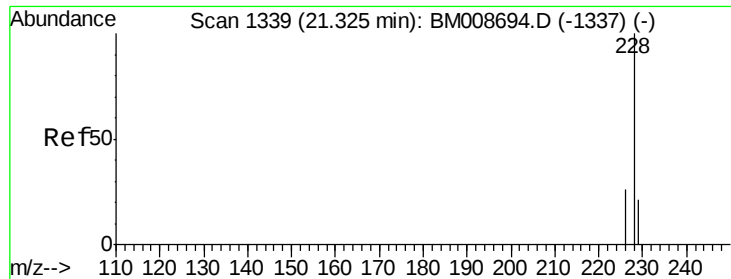
Tgt Ion: 202 Resp: 806
 Ion Ratio Lower Upper
 202 100
 200 71.0 18.2 27.4#
 203 113.7 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.19 ng/ul
 RT: 21.14 min Scan# 1321
 Delta R.T. -0.13 min
 Lab File: BM008698.D
 Acq: 28 Dec 2016 17:55

Tgt Ion: 228 Resp: 318
 Ion Ratio Lower Upper
 228 100
 226 113.5 22.8 34.2#
 229 163.2 17.0 25.6#





#19

Chrysene

Concen: 0.17 ng/ul

RT: 21.14 min Scan# 1321

Delta R.T. -0.18 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

ClientSampleId :

DA864DL

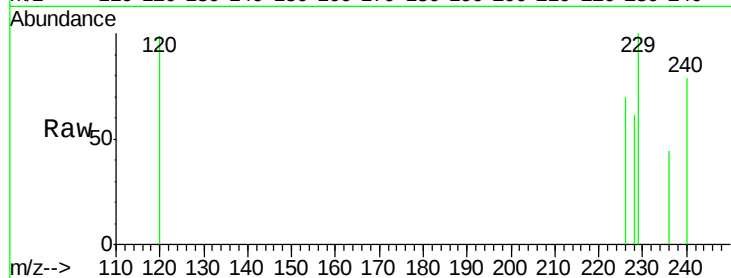
Tgt Ion:228 Resp: 318

Ion Ratio Lower Upper

228 100

226 113.5 23.4 35.0#

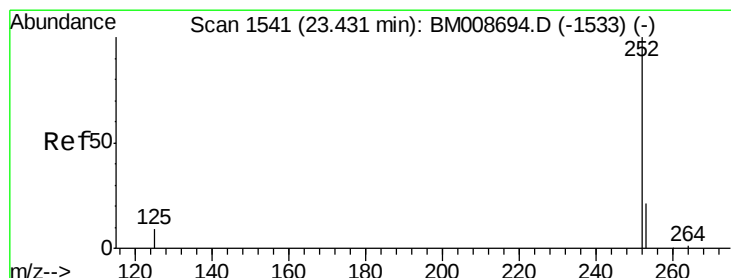
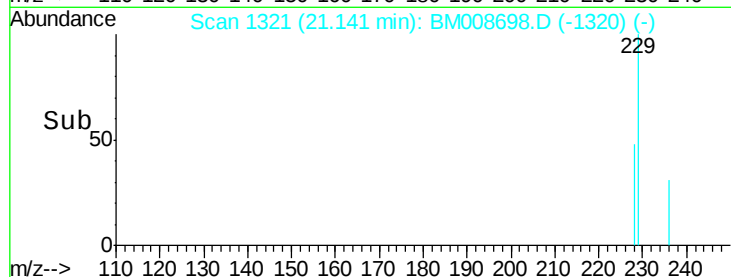
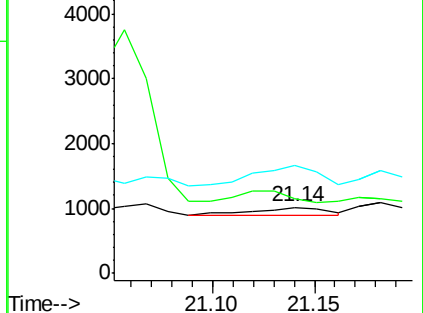
229 163.2 17.7 26.5#



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(a)pyrene

Concen: 0.02 ng/ul

RT: 23.29 min Scan# 1527

Delta R.T. -0.14 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

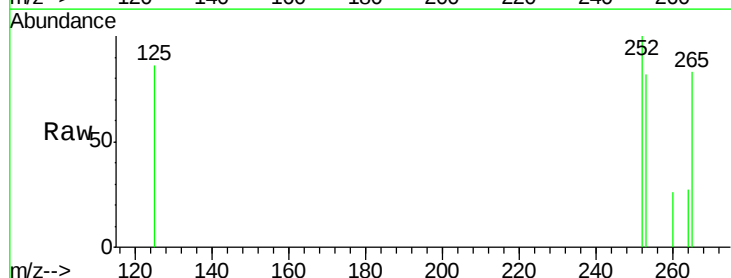
Tgt Ion:252 Resp: 1118

Ion Ratio Lower Upper

252 100

253 82.4 28.5 42.7#

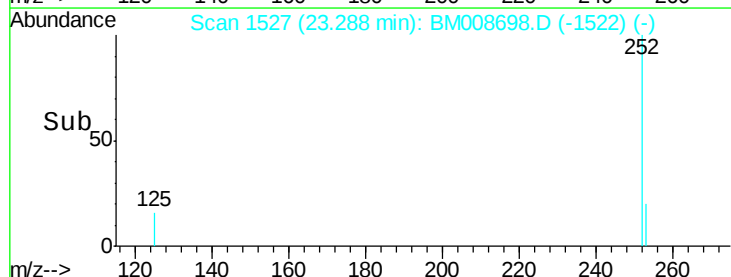
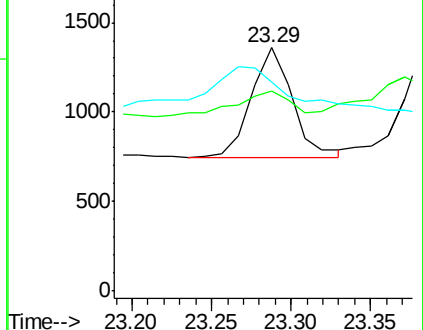
125 85.8 18.1 27.1#

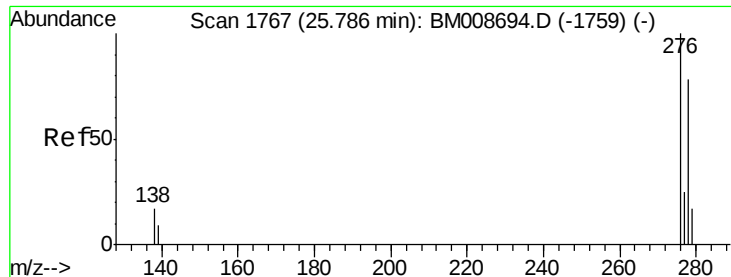


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.05 ng/ul

RT: 25.51 min Scan# 1740

Delta R.T. -0.28 min

Lab File: BM008698.D

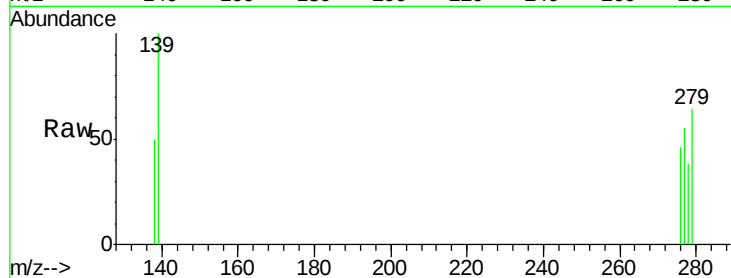
Acq: 28 Dec 2016 17:55

Instrument :

BNA_M

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DA864DL



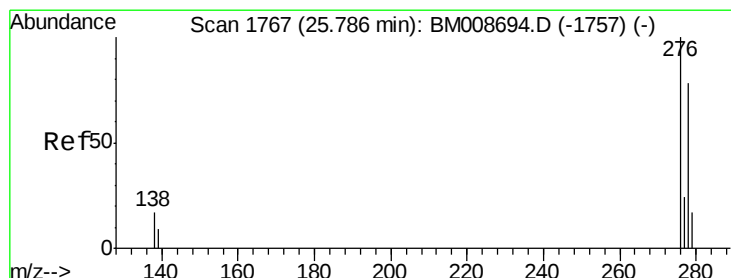
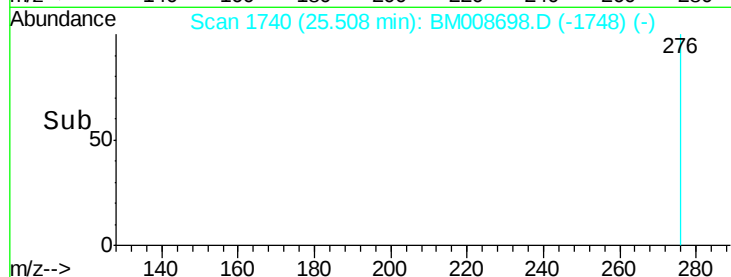
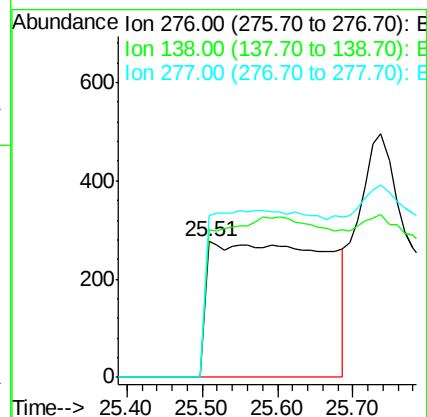
Tgt Ion:276 Resp: 2969

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

277 0.0 19.6 29.4#



#25

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 25.73 min Scan# 1761

Delta R.T. -0.06 min

Lab File: BM008698.D

Acq: 28 Dec 2016 17:55

Tgt Ion:278 Resp: 3601

Ion Ratio Lower Upper

278 100

139 195.4 17.4 26.0#

279 131.4 25.9 38.9#

