

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008669.D
 Acq On : 25 Dec 2016 13:44
 Operator : UM/SJ
 Sample : H5995-03DL 5X
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA864DL

Quant Time: Dec 26 03:29:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 03:21:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	29	0.40	ng/ul	0.06
2) Naphthalene-d8	10.56	136	73637	0.40	ng/ul	0.05
6) Acenaphthene-d10	14.40	164	560	0.40	ng/ul	0.07
10) Phenanthrene-d10	17.14	188	9487	0.40	ng/ul	0.05
16) Chrysene-d12	21.33	240	1169	0.40	ng/ul	0.05
20) Perylene-d12	23.48	264	1874	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	951	0.01	ng/ul	0.09
14) Fluoranthene-d10	19.21	212	985	0.04	ng/ul	0.10

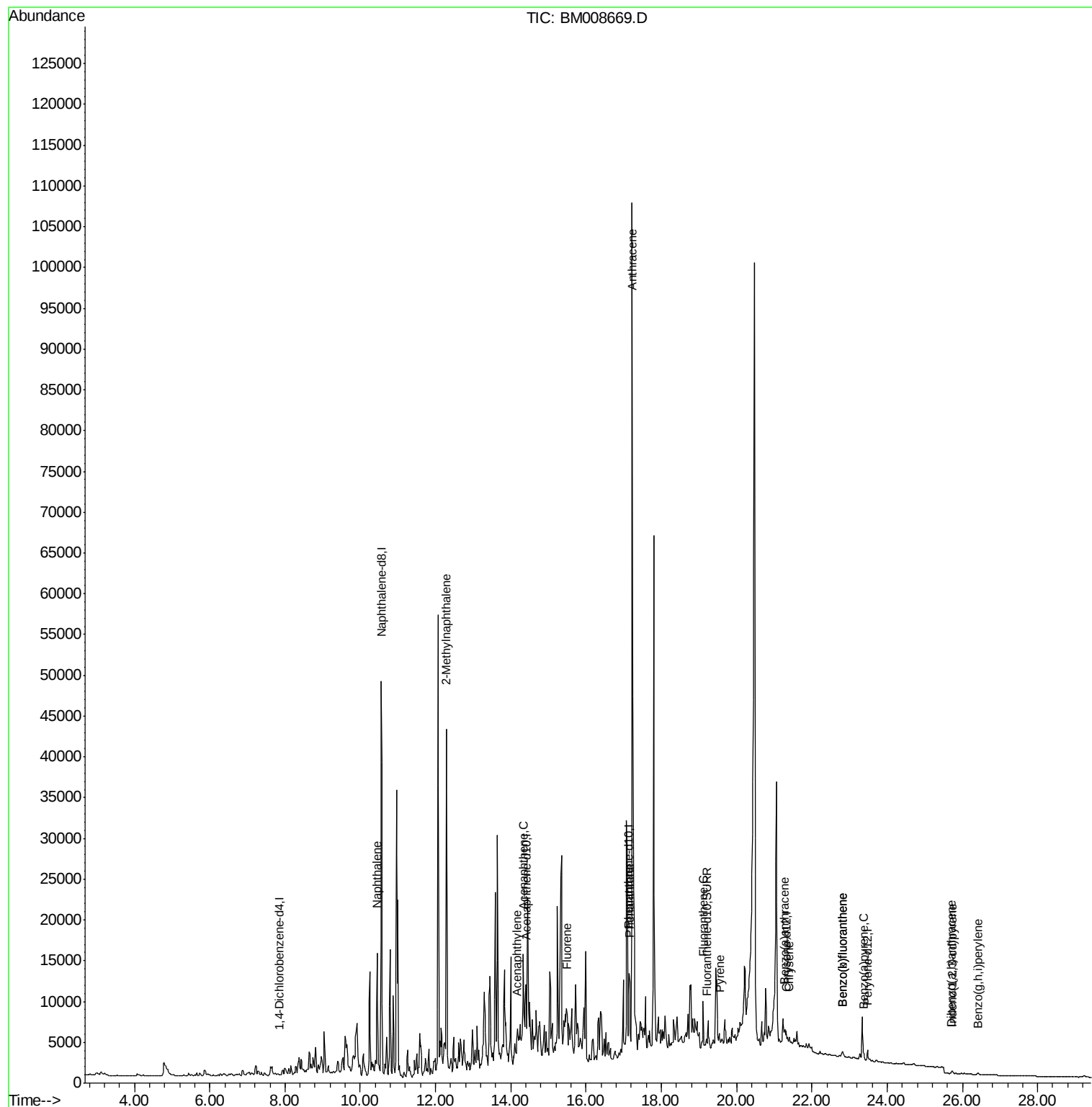
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.45	128	19840	0.10	ng/ul	95
5) 2-Methylnaphthalene	12.29	142	28877	0.21	ng/ul	100
7) Acenaphthylene	14.16	152	352	0.14	ng/ul#	1
8) Acenaphthene	14.33	153	4899	2.57	ng/ul	92
9) Fluorene	15.50	166	1314	0.60	ng/ul#	1
12) Phenanthrene	17.16	178	4084	0.14	ng/ul#	1
13) Anthracene	17.23	178	10926	0.39	ng/ul#	1
15) Fluoranthene	19.11	202	5725	0.16	ng/ul	76
17) Pyrene	19.55	202	1252	0.28	ng/ul#	1
18) Benzo(a)anthracene	21.28	228	2361	0.62	ng/ul#	26
19) Chrysene	21.40	228	387	0.09	ng/ul#	1
21) Benzo(b)fluoranthene	22.81	252	1565	0.21	ng/ul#	13
22) Benzo(k)fluoranthene	22.81	252	1565	0.22	ng/ul#	9
23) Benzo(a)pyrene	23.38	252	1098	0.16	ng/ul#	27
24) Indeno(1,2,3-cd)pyrene	25.73	276	530	0.06	ng/ul#	82
25) Dibenzo(a,h)anthracene	25.72	278	156	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.42	276	488	0.07	ng/ul#	18

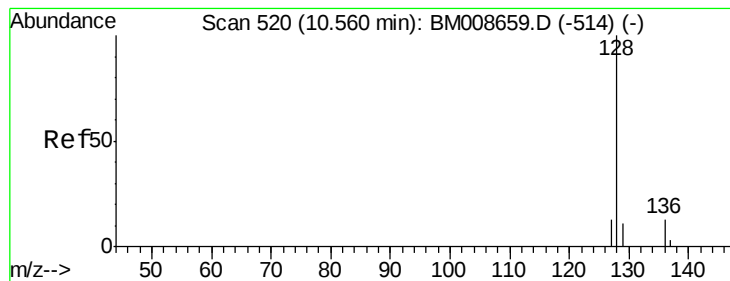
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.11 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

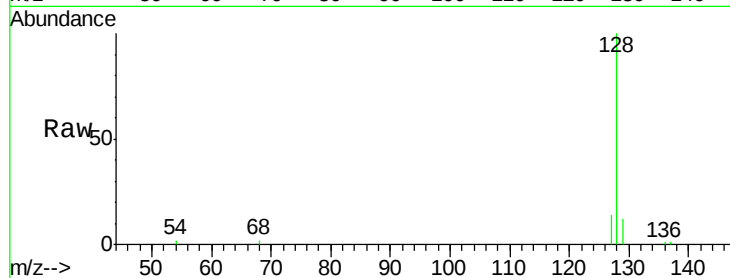
Tgt Ion:128 Resp: 19840

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

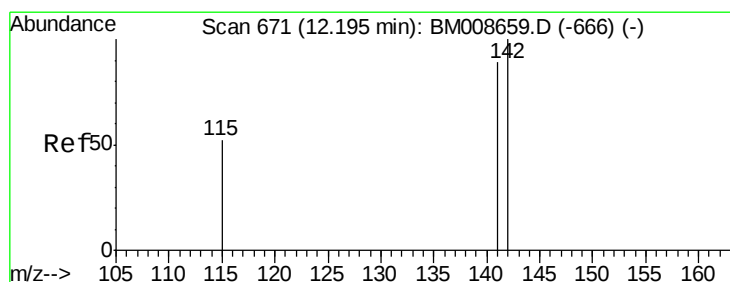
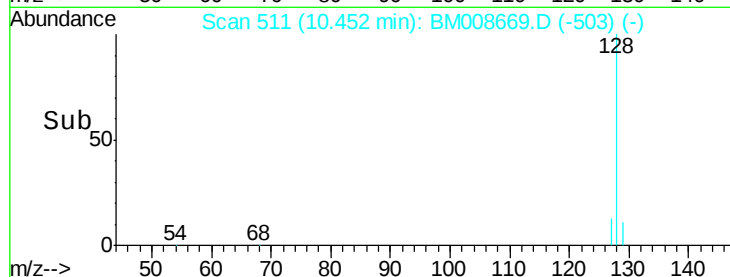
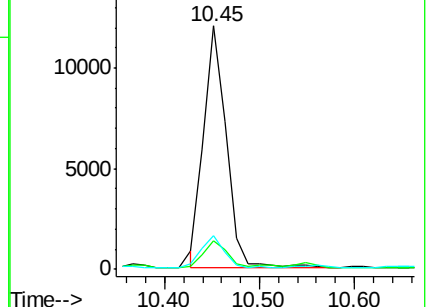
127 13.8 12.8 19.2



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. 0.09 min

Lab File: BM008669.D

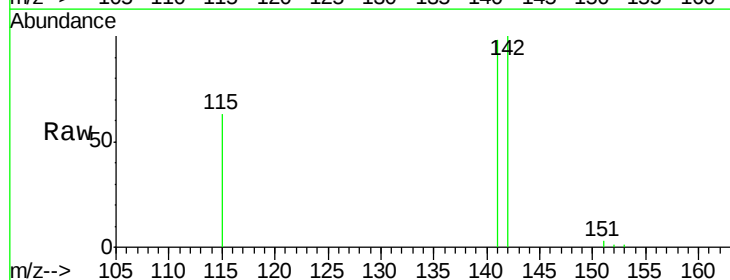
Acq: 25 Dec 2016 13:44

Tgt Ion:142 Resp: 28877

Ion Ratio Lower Upper

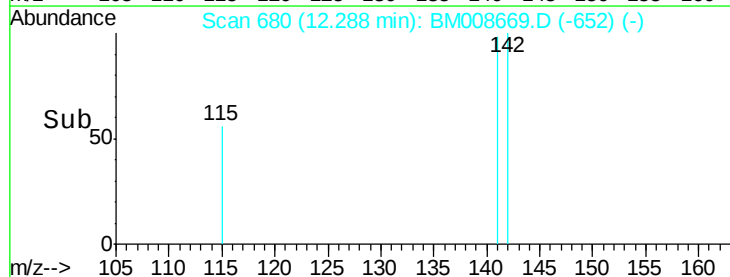
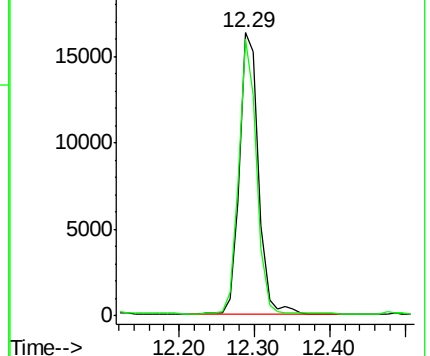
142 100

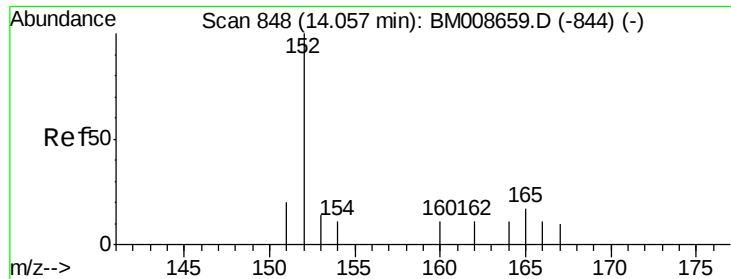
141 91.1 72.6 108.8



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: 14.16 min Scan# 854

Delta R.T. 0.10 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

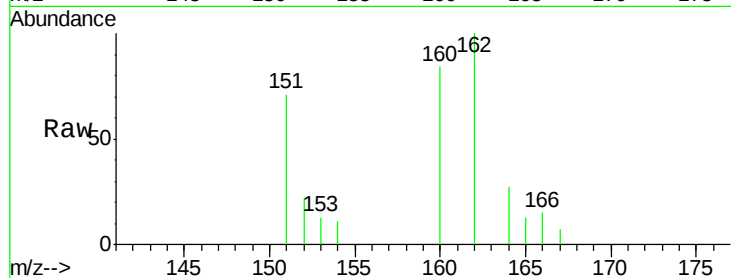
Tgt Ion:152 Resp: 352

Ion Ratio Lower Upper

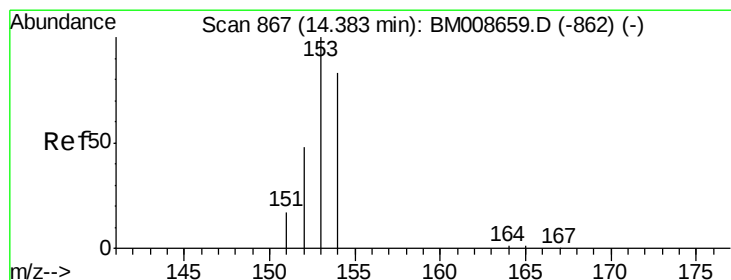
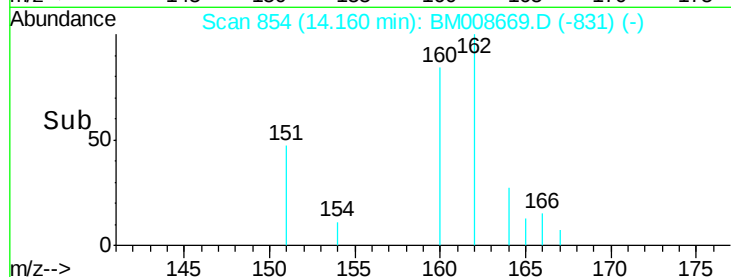
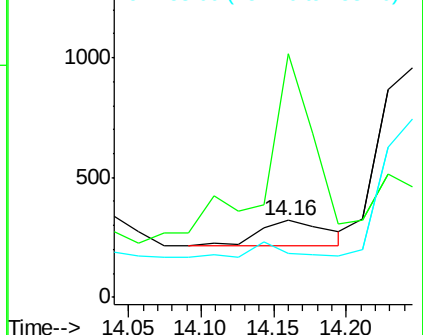
152 100

151 315.5 17.1 25.7#

153 56.5 12.8 19.2#



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



#8

Acenaphthene

Concen: 2.57 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.05 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

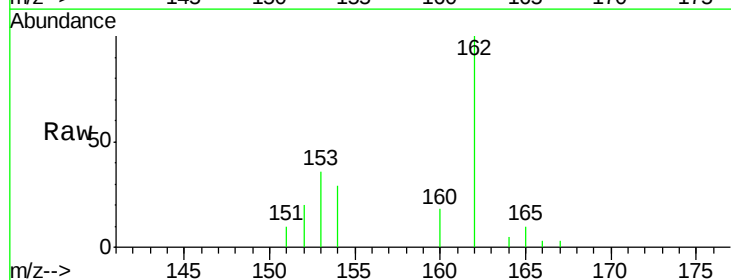
Tgt Ion:153 Resp: 4899

Ion Ratio Lower Upper

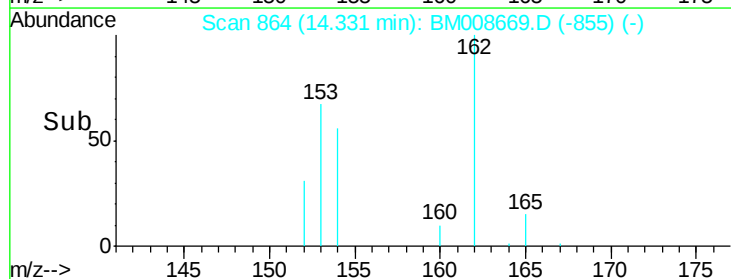
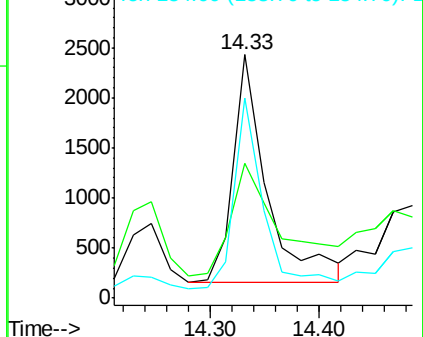
153 100

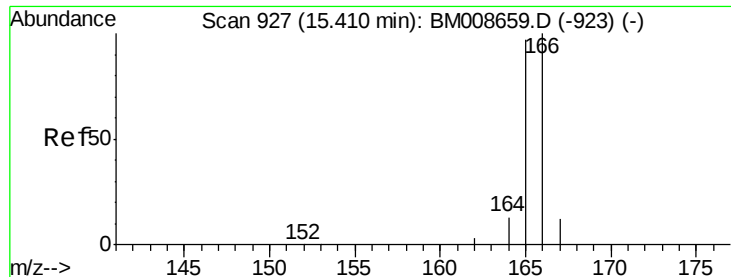
152 55.3 40.3 60.5

154 82.0 71.4 107.2



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





#9

Fluorene

Concen: 0.60 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.09 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

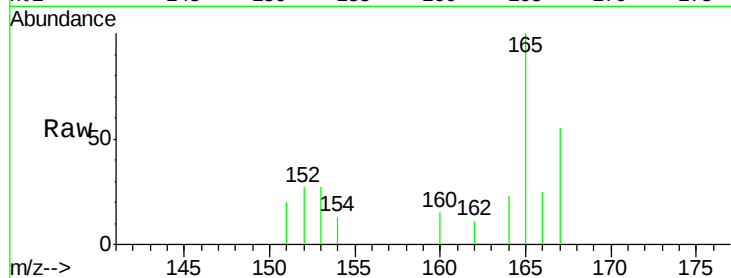
Tgt Ion:166 Resp: 1314

Ion Ratio Lower Upper

166 100

165 393.9 73.4 110.2#

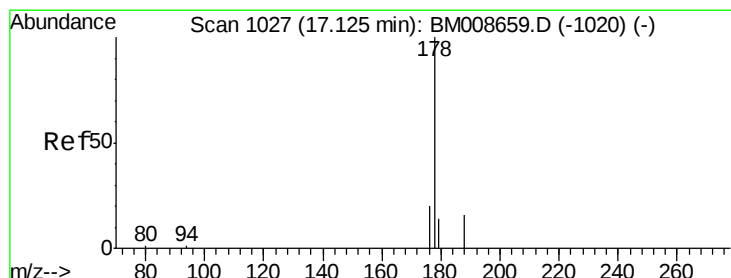
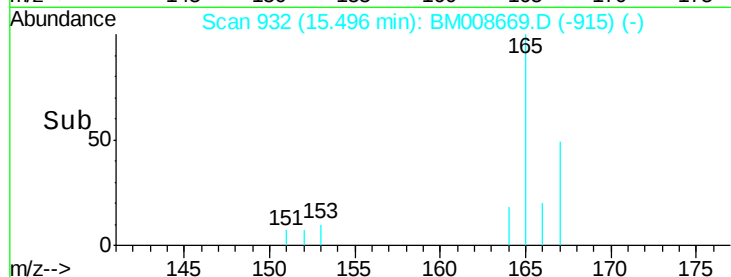
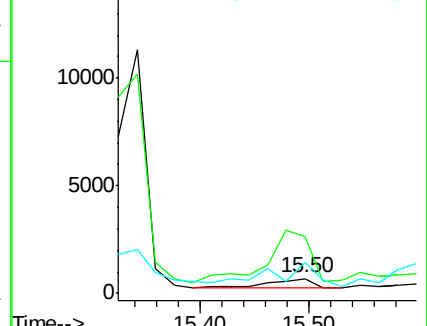
167 216.9 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.03 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

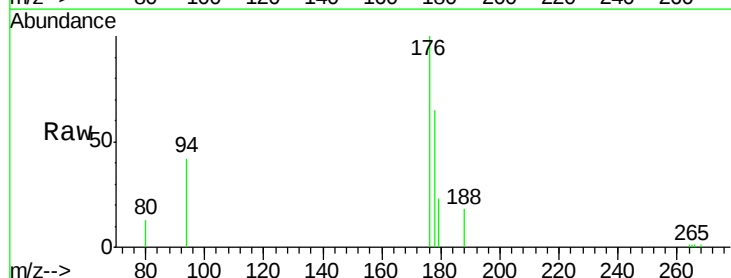
Tgt Ion:178 Resp: 4084

Ion Ratio Lower Upper

178 100

176 153.5 18.4 27.6#

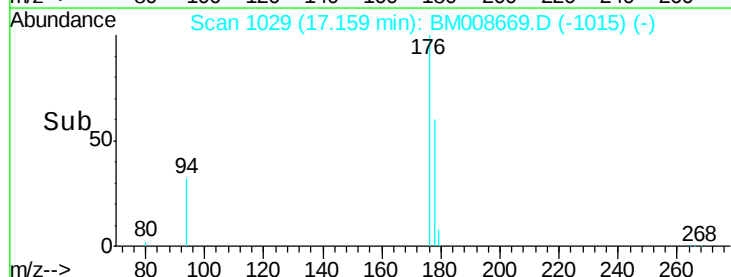
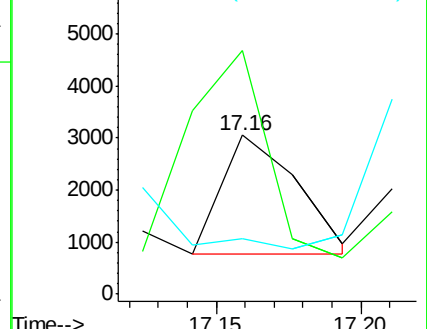
179 35.4 13.6 20.4#

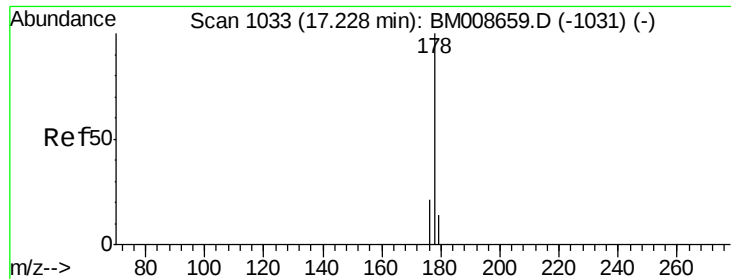


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

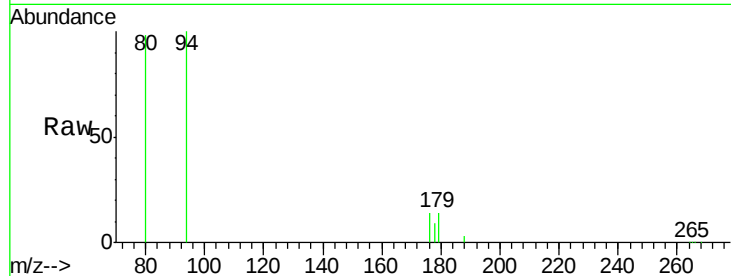
Tgt Ion:178 Resp: 10926

Ion Ratio Lower Upper

178 100

176 163.3 18.1 27.1#

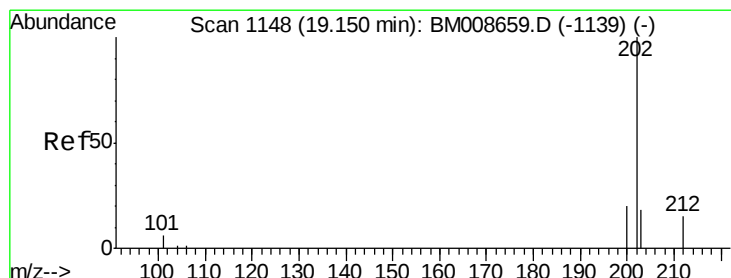
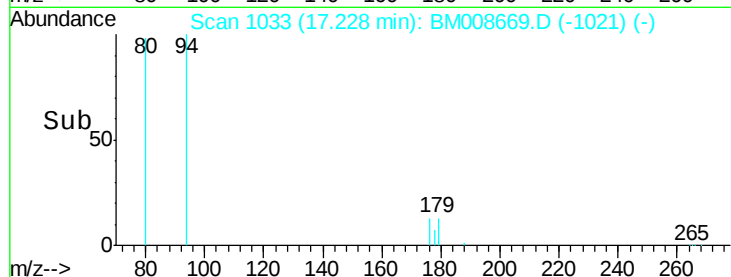
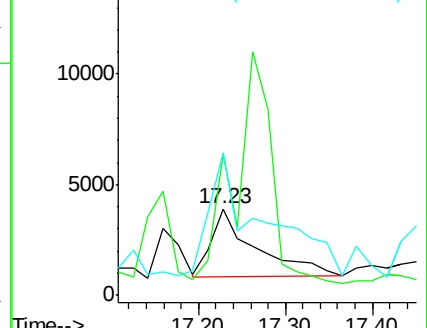
179 164.5 14.7 22.1#



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: 0.16 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

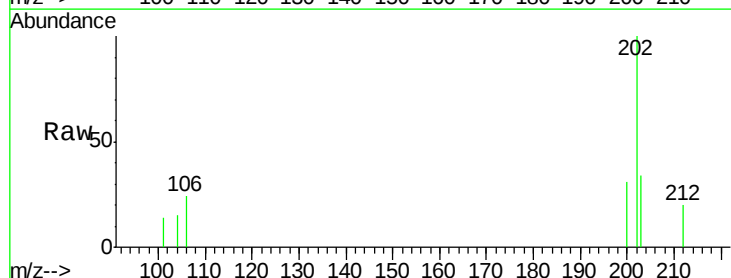
Tgt Ion:202 Resp: 5725

Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

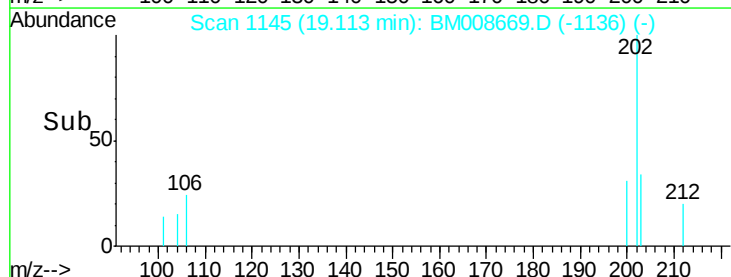
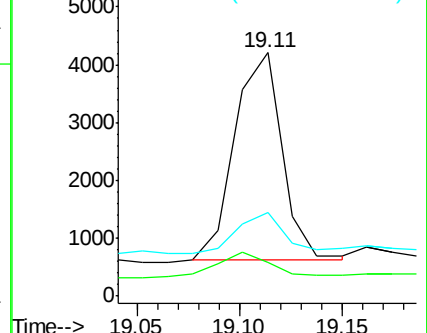
203 34.2 0.0 39.5

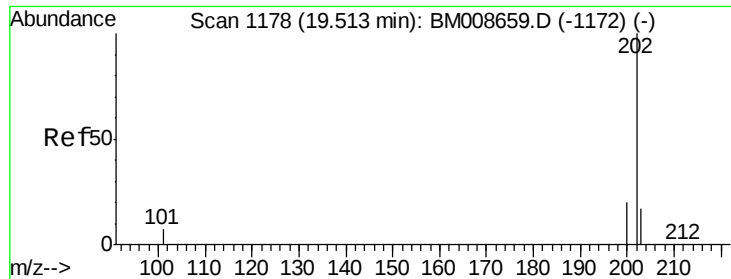


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.28 ng/ul

RT: 19.55 min Scan# 1181

Delta R.T. 0.04 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

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ClientSampleId :

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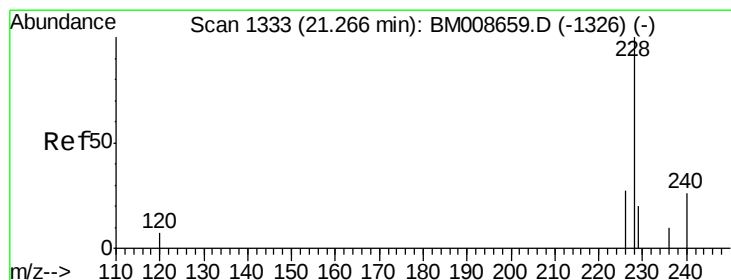
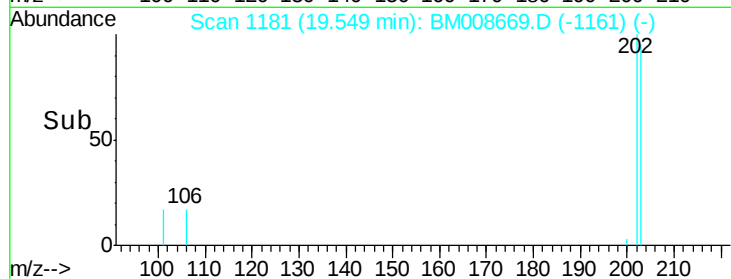
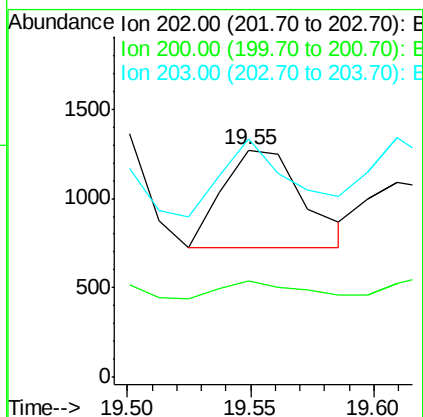
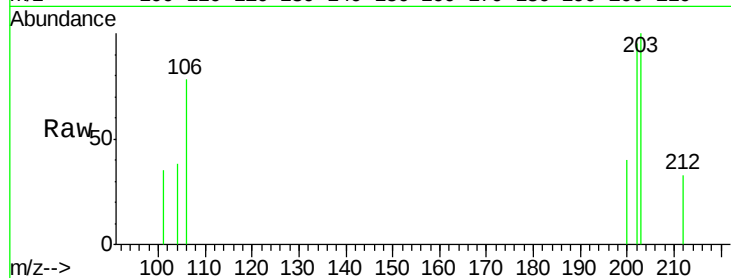
Tgt Ion:202 Resp: 1252

Ion Ratio Lower Upper

202 100

200 42.3 18.2 27.4#

203 105.1 15.6 23.4#



#18

Benzo(a)anthracene

Concen: 0.62 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

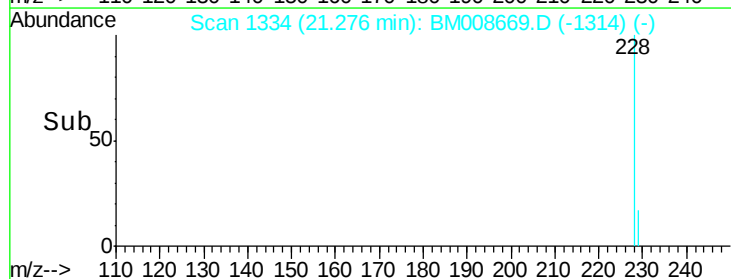
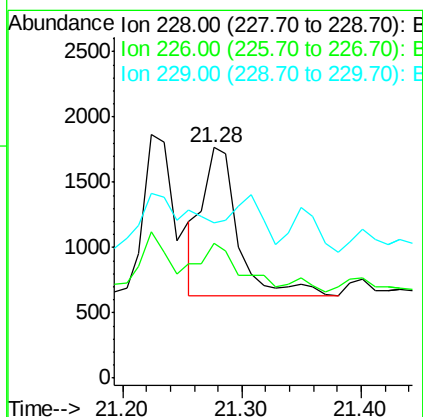
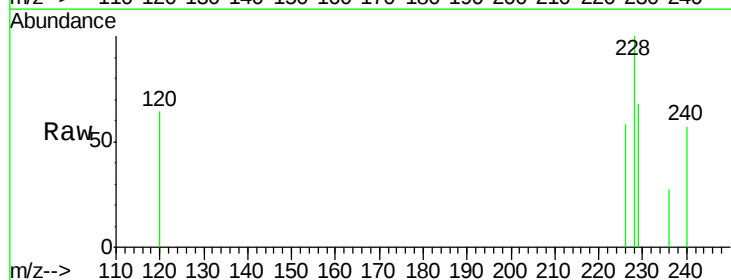
Tgt Ion:228 Resp: 2361

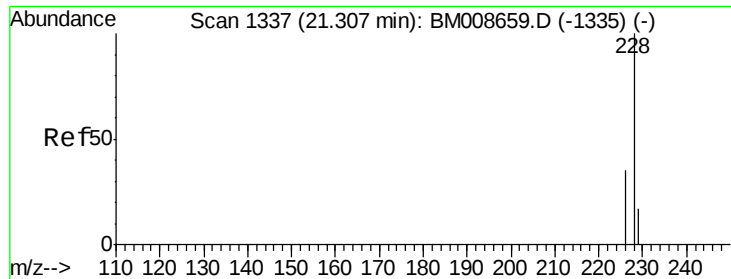
Ion Ratio Lower Upper

228 100

226 58.3 22.8 34.2#

229 67.7 17.0 25.6#





#19

Chrysene

Concen: 0.09 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.09 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

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ClientSampleId :

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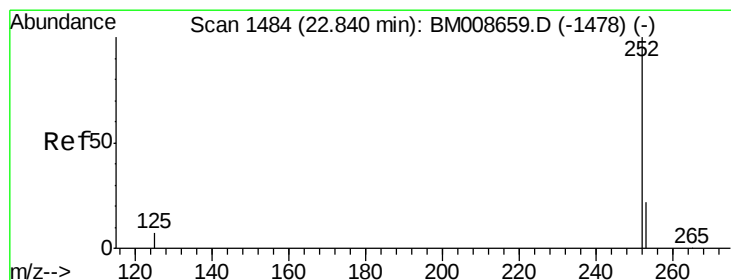
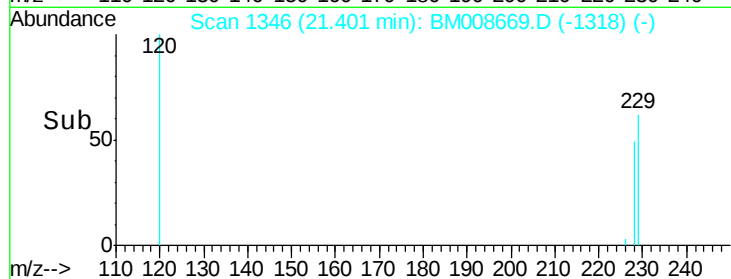
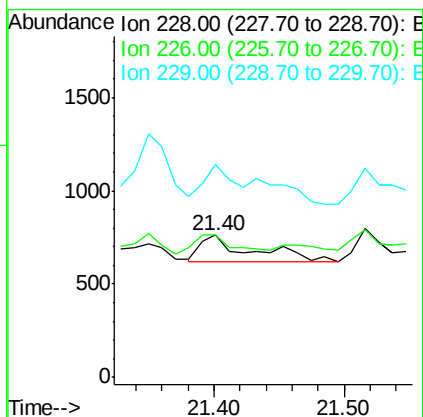
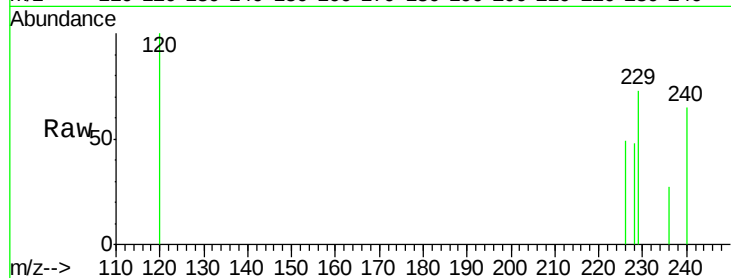
Tgt Ion:228 Resp: 387

Ion Ratio Lower Upper

228 100

226 100.8 23.4 35.0#

229 150.2 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.21 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

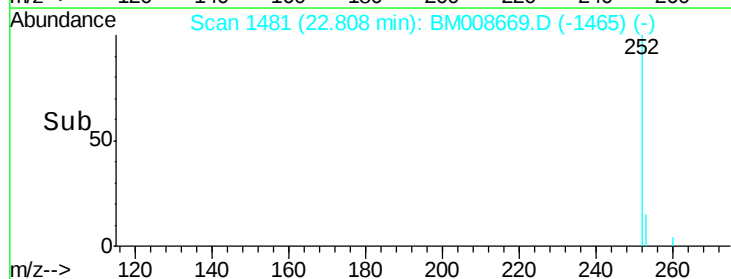
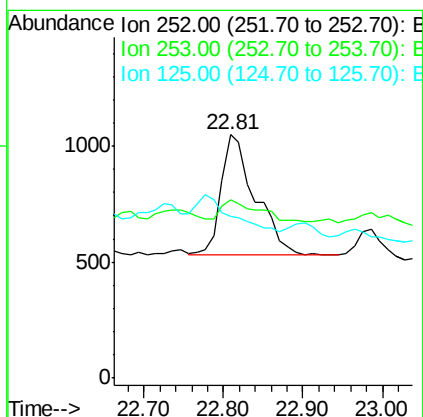
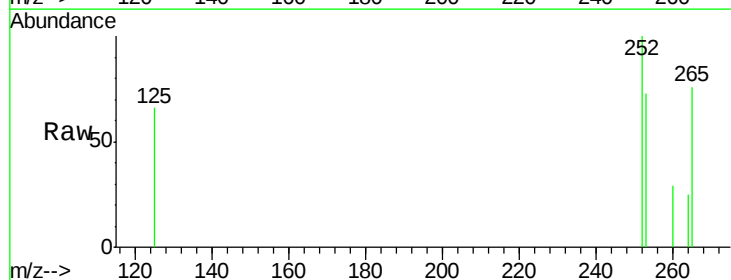
Tgt Ion:252 Resp: 1565

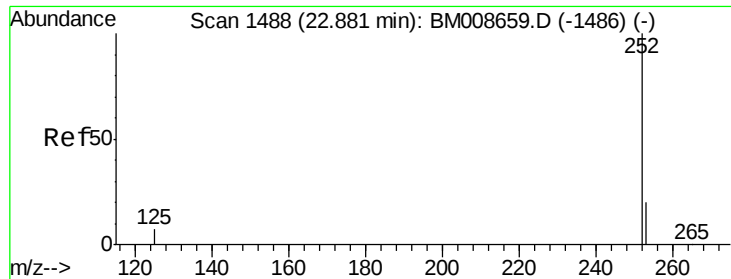
Ion Ratio Lower Upper

252 100

253 73.3 0.0 64.2#

125 66.3 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.22 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

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ClientSampleId :

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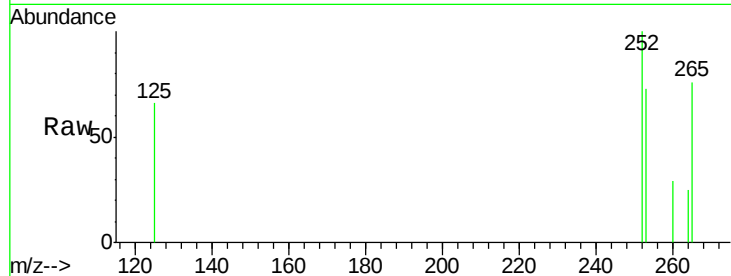
Tgt Ion:252 Resp: 1565

Ion Ratio Lower Upper

252 100

253 73.3 24.5 36.7#

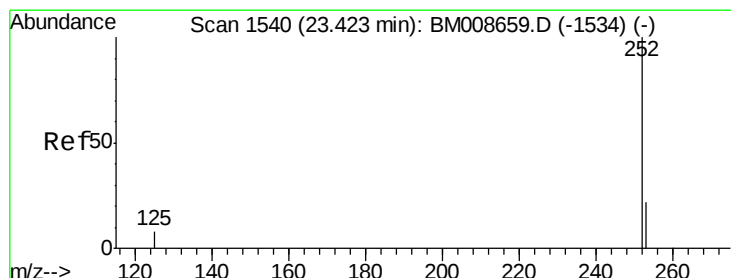
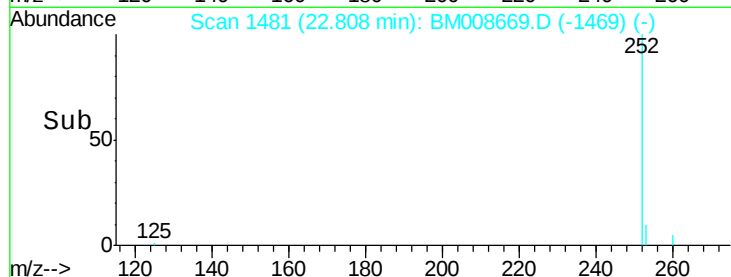
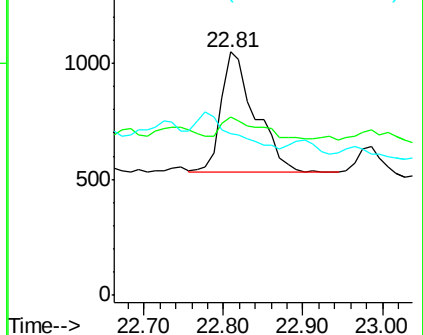
125 66.3 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.16 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.04 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

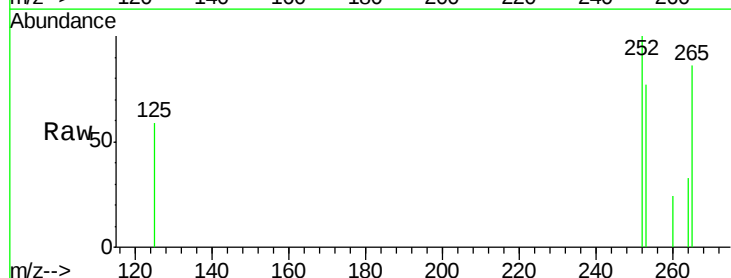
Tgt Ion:252 Resp: 1098

Ion Ratio Lower Upper

252 100

253 77.3 28.5 42.7#

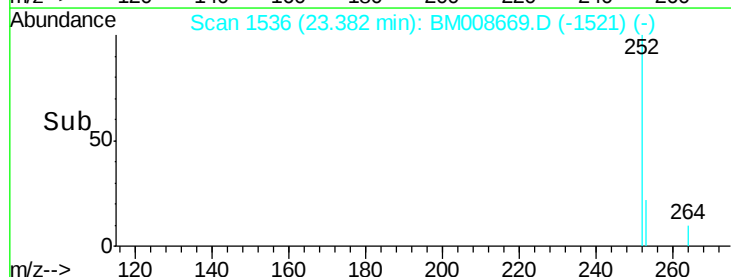
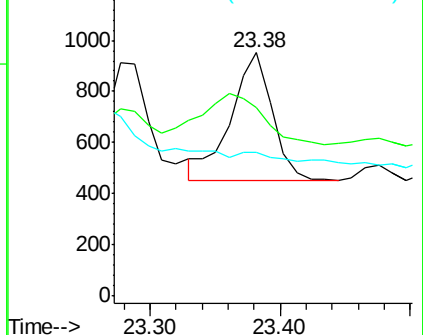
125 59.0 18.1 27.1#

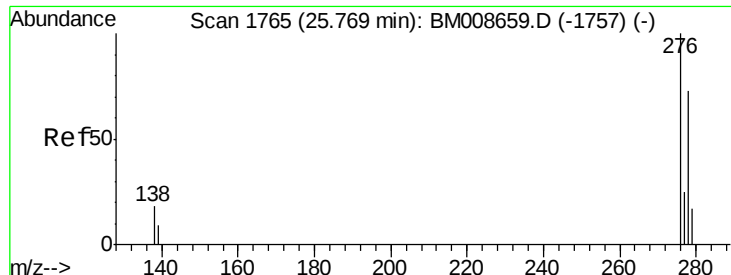


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.06 ng/ul

RT: 25.73 min Scan# 1761

Delta R.T. -0.04 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

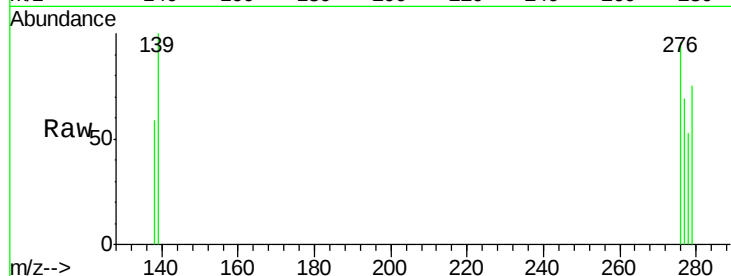
Tgt Ion:276 Resp: 530

Ion Ratio Lower Upper

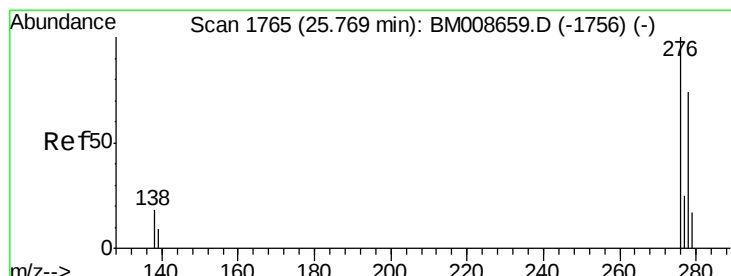
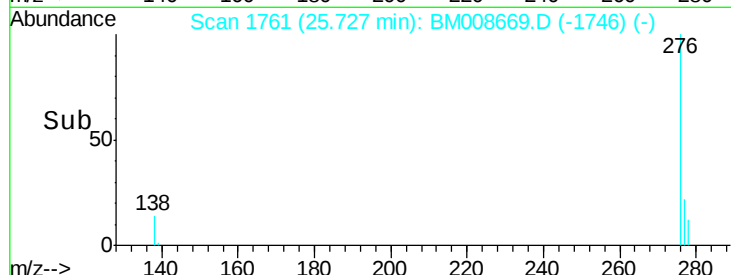
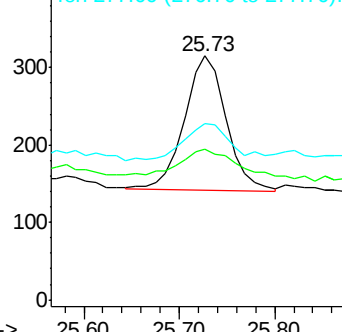
276 100

138 38.9 19.1 28.7#

277 27.9 19.6 29.4



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



#25

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.72 min Scan# 1760

Delta R.T. -0.05 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

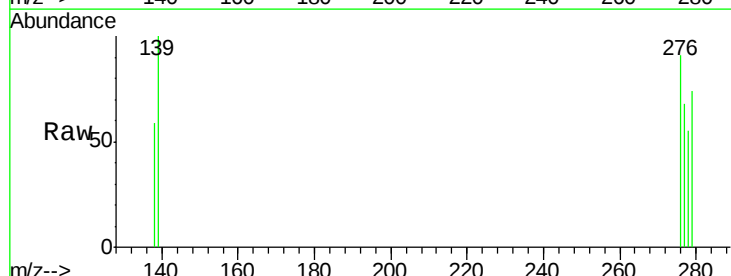
Tgt Ion:278 Resp: 156

Ion Ratio Lower Upper

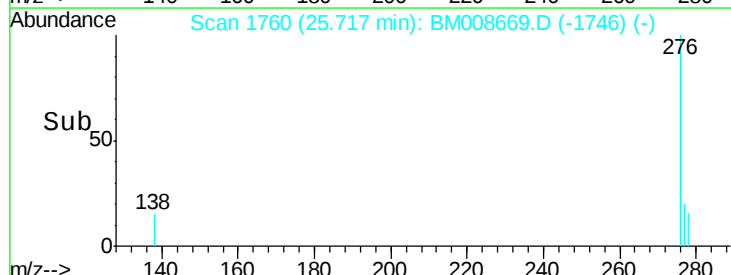
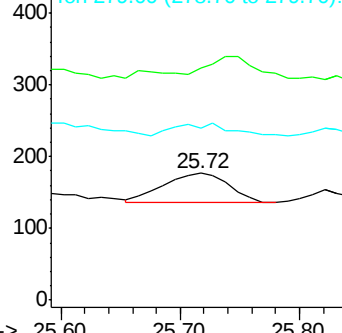
278 100

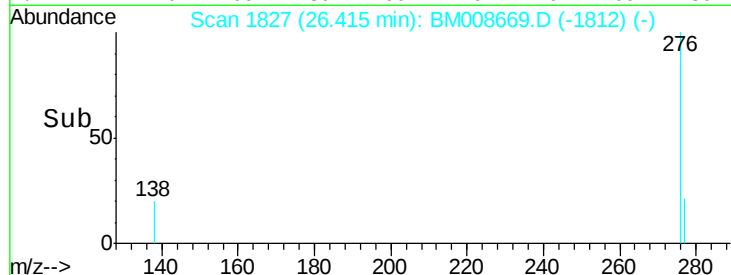
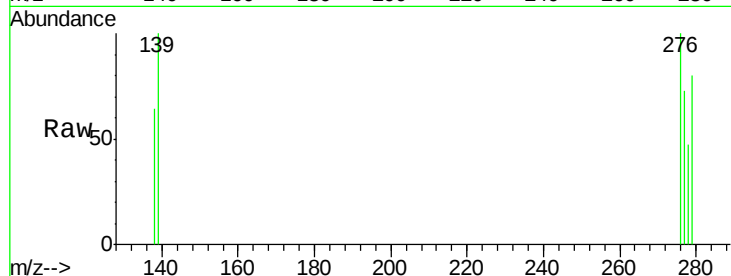
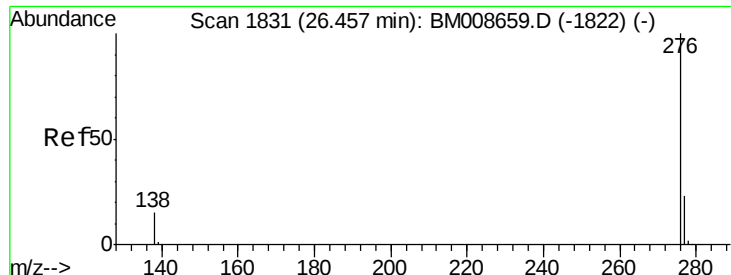
139 182.5 17.4 26.0#

279 135.6 25.9 38.9#



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





#26

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 26.42 min Scan# 1827

Delta R.T. -0.04 min

Lab File: BM008669.D

Acq: 25 Dec 2016 13:44

Instrument :

BNA_M

ClientSampleId :

DA864DL

Tgt Ion:276 Resp: 488

Ion Ratio Lower Upper

276 100

277 73.0 21.8 32.8#

138 64.1 20.5 30.7#

