

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008670.D
 Acq On : 25 Dec 2016 14:19
 Operator : UM/SJ
 Sample : H5995-09DL 5X
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA874DL

Quant Time: Dec 26 03:29:48 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	7.65	152	488	0.40	ng/ul	-0.12
2) Naphthalene-d8	10.31	136	280	0.40	ng/ul	-0.21
6) Acenaphthene-d10	14.14	164	3101	0.40	ng/ul	-0.19
10) Phenanthrene-d10	16.89	188	913	0.40	ng/ul	-0.21
16) Chrysene-d12	21.06	240	504	0.40	ng/ul	-0.22
20) Perylene-d12	23.34	264	10181	0.40	ng/ul	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.87	152	87	0.20	ng/ul	-0.25
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

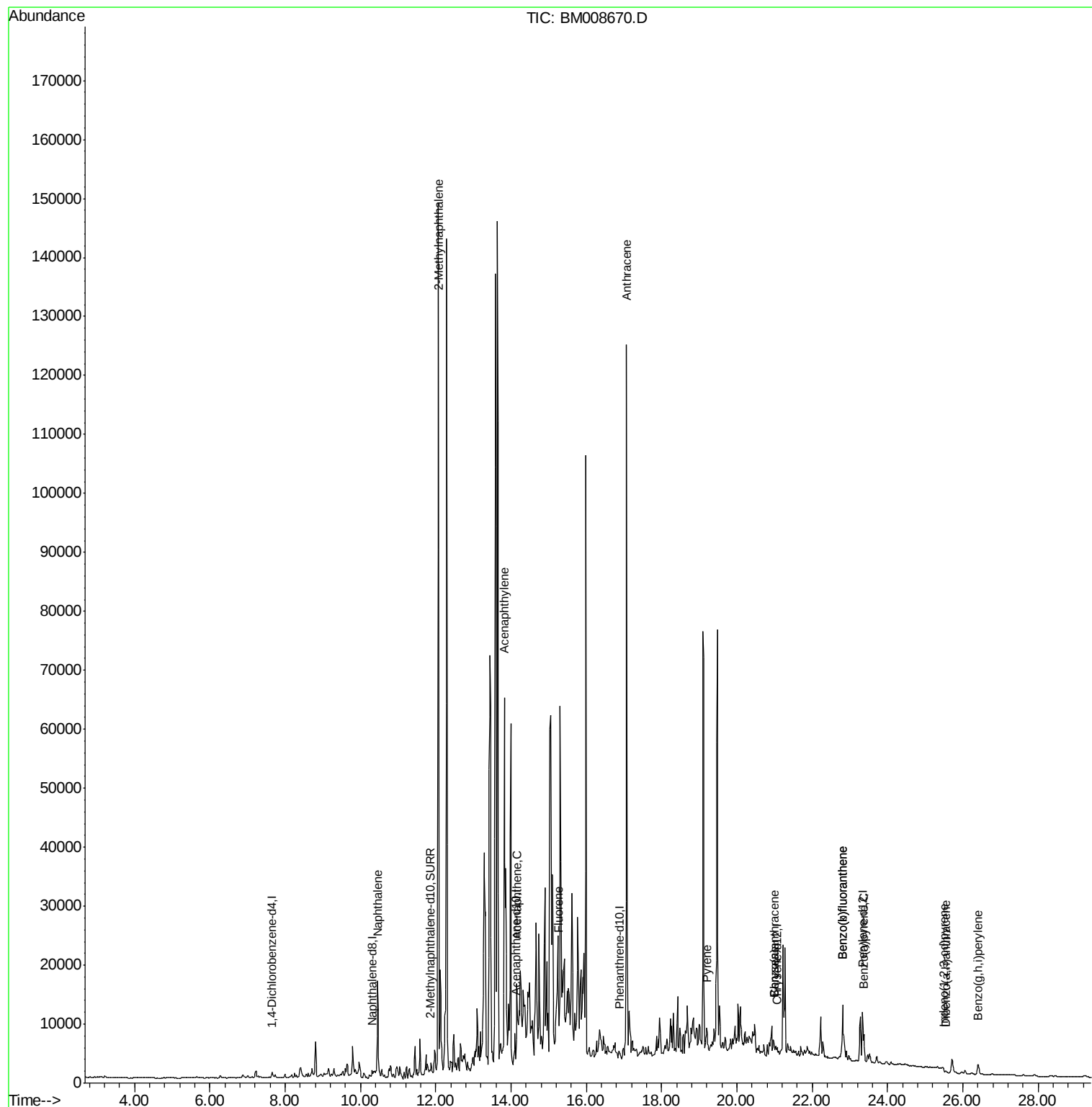
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.45	128	23044	29.25	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	98138	185.09	ng/ul	98
7) Acenaphthylene	13.83	152	11736	0.84	ng/ul#	1
8) Acenaphthene	14.16	153	346	0.03	ng/ul#	1
9) Fluorene	15.26	166	2222	0.18	ng/ul#	1
13) Anthracene	17.07	178	127569	47.12	ng/ul	95
17) Pyrene	19.20	202	2771	1.42	ng/ul#	1
18) Benzo(a)anthracene	20.98	228	705	0.43	ng/ul#	1
19) Chrysene	20.98	228	705	0.39	ng/ul#	1
21) Benzo(b)fluoranthene	22.81	252	17074	0.43	ng/ul	96
22) Benzo(k)fluoranthene	22.81	252	20014	0.51	ng/ul	97
23) Benzo(a)pyrene	23.38	252	6782	0.18	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.51	276	2047	0.05	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.55	278	1893	0.05	ng/ul#	1
26) Benzo(g,h,i)perylene	26.42	276	2985	0.08	ng/ul#	86

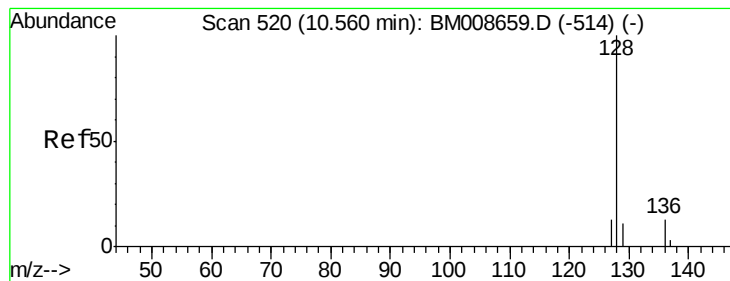
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 29.25 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.11 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL

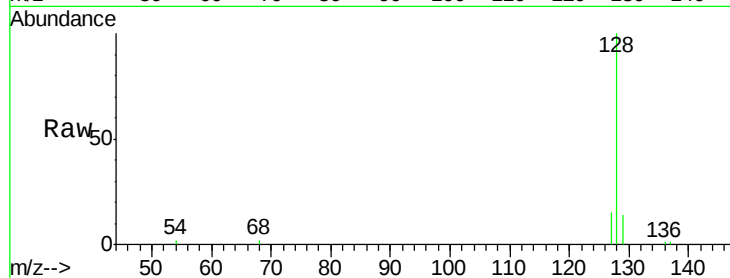
Tgt Ion:128 Resp: 23044

Ion Ratio Lower Upper

128 100

129 14.0 11.3 16.9

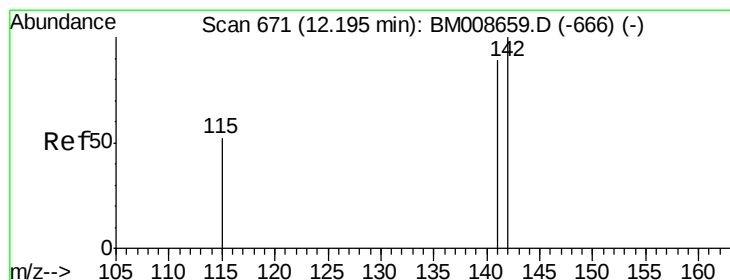
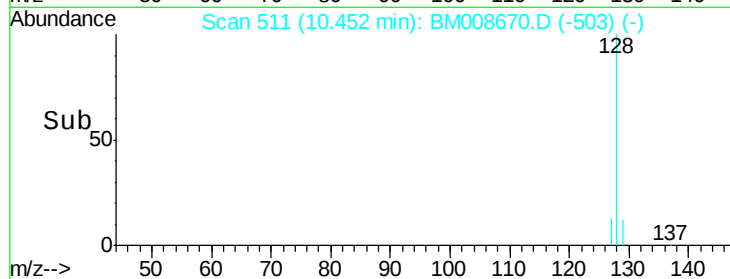
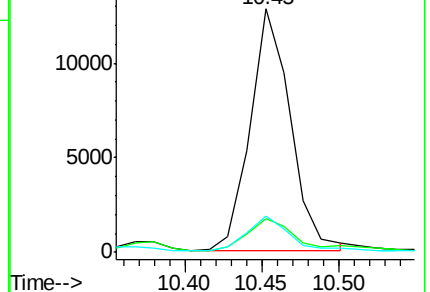
127 14.8 12.8 19.2



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: 185.09 ng/ul

RT: 12.07 min Scan# 659

Delta R.T. -0.12 min

Lab File: BM008670.D

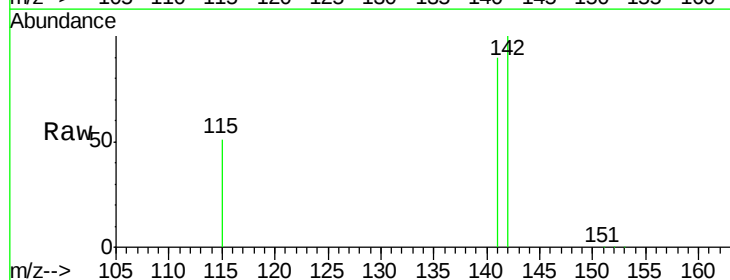
Acq: 25 Dec 2016 14:19

Tgt Ion:142 Resp: 98138

Ion Ratio Lower Upper

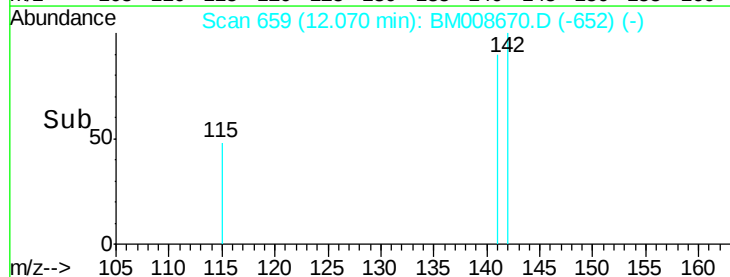
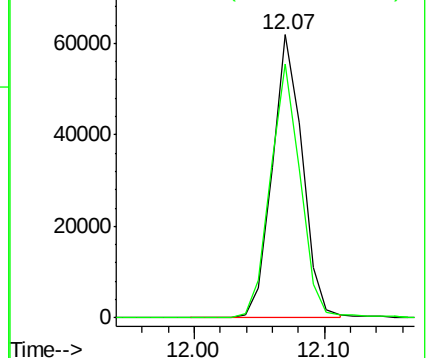
142 100

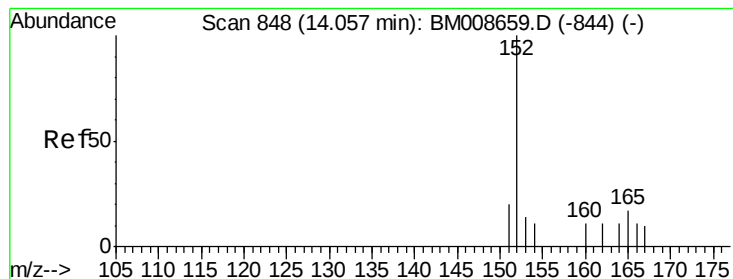
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.84 ng/ul

RT: 13.83 min Scan# 828

Delta R.T. -0.23 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL

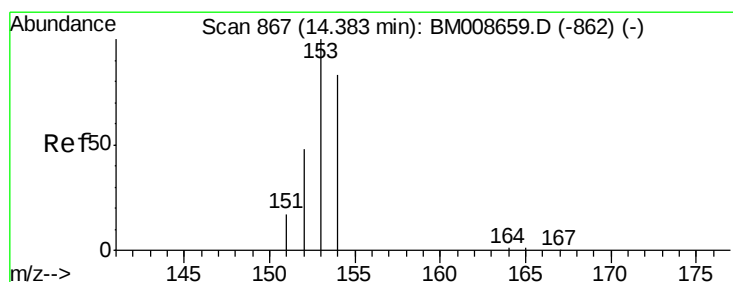
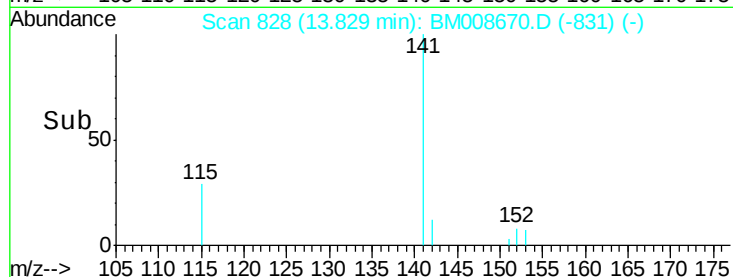
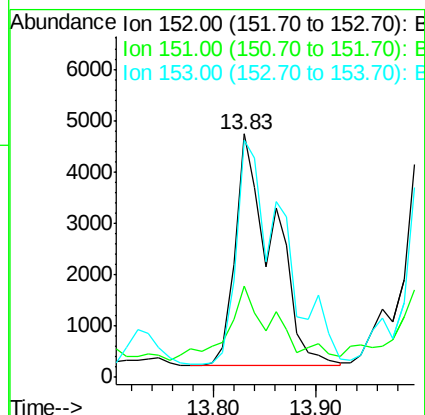
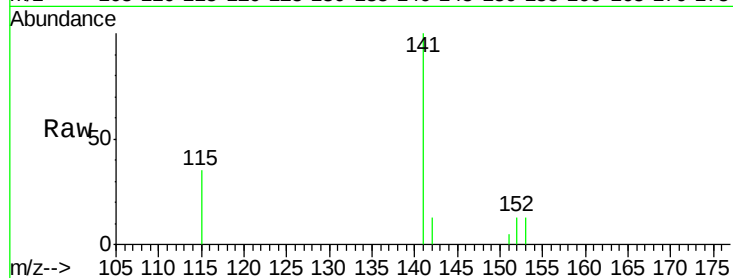
Tgt Ion:152 Resp: 11736

Ion Ratio Lower Upper

152 100

151 37.5 17.1 25.7#

153 97.2 12.8 19.2#



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. -0.22 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

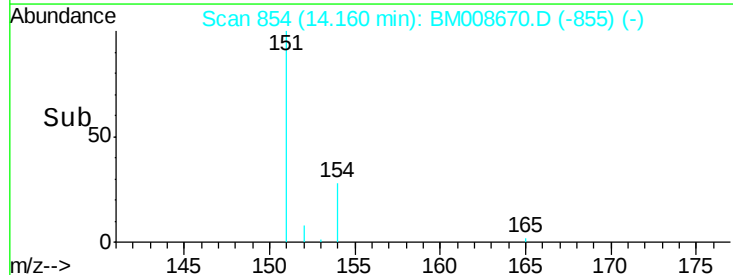
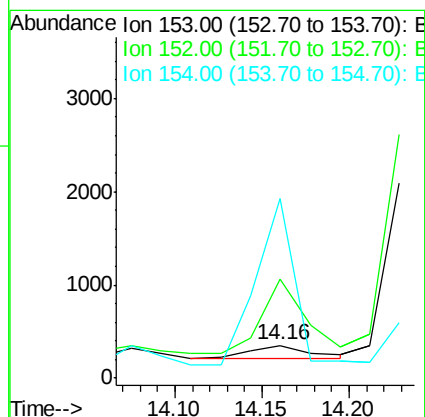
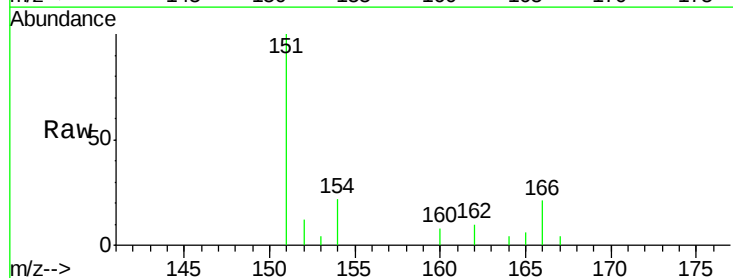
Tgt Ion:153 Resp: 346

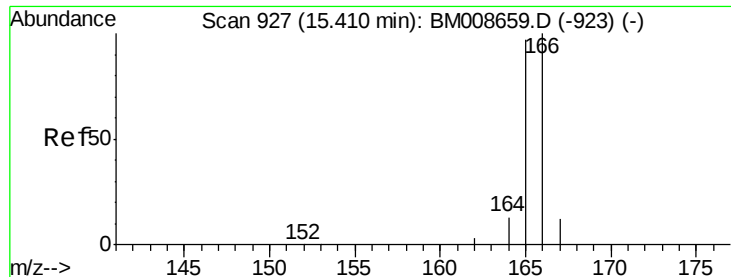
Ion Ratio Lower Upper

153 100

152 303.4 40.3 60.5#

154 549.1 71.4 107.2#





#9

Fluorene

Concen: 0.18 ng/ul

RT: 15.26 min Scan# 918

Delta R.T. -0.15 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL

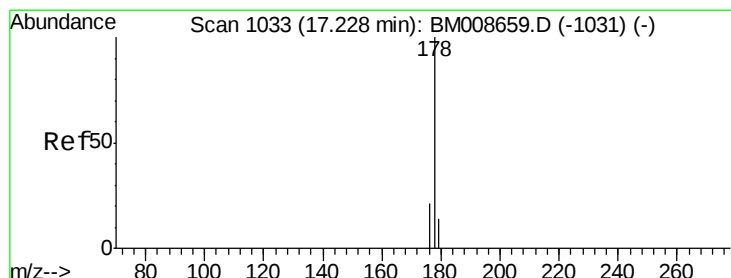
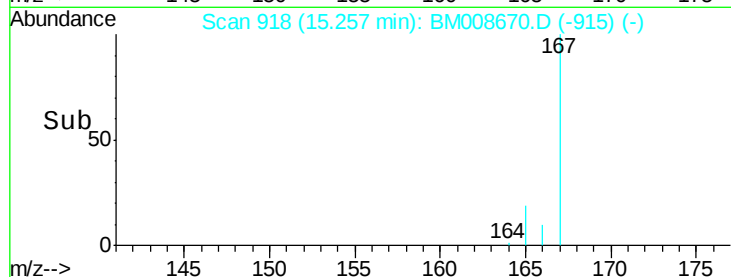
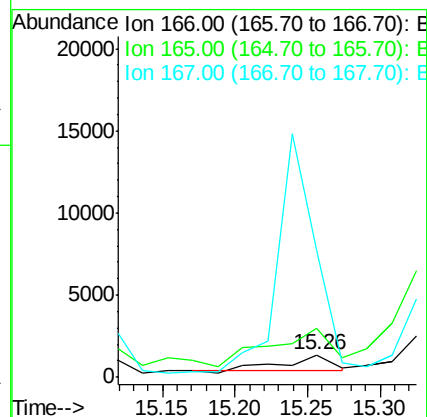
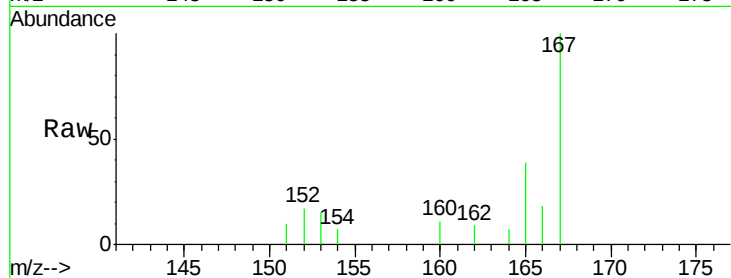
Tgt Ion:166 Resp: 2222

Ion Ratio Lower Upper

166 100

165 216.9 73.4 110.2#

167 557.6 14.6 22.0#



#13

Anthracene

Concen: 47.12 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.15 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

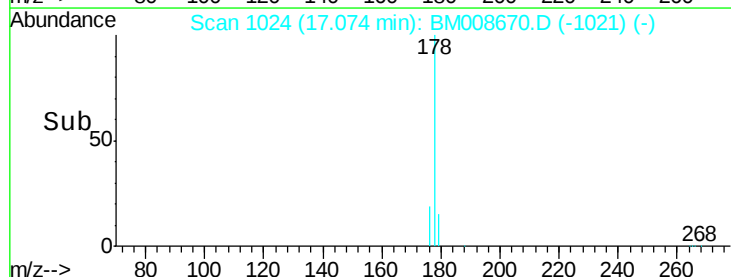
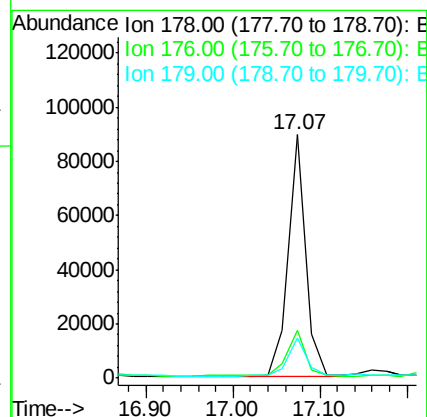
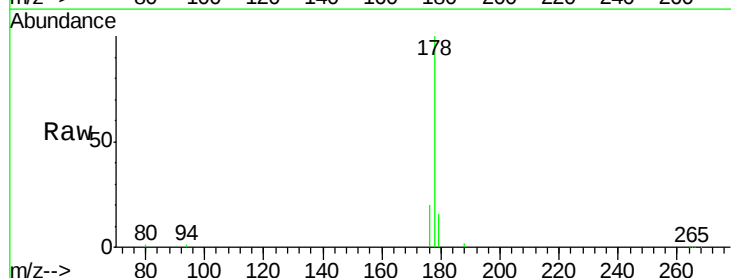
Tgt Ion:178 Resp: 127569

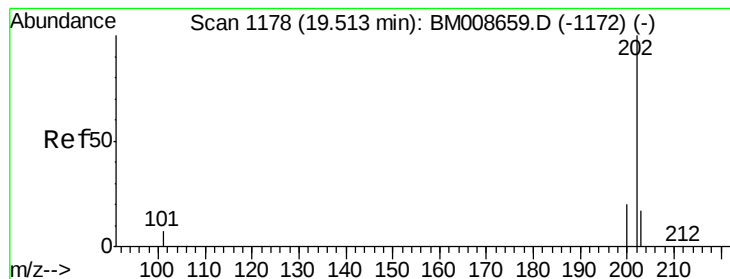
Ion Ratio Lower Upper

178 100

176 19.8 18.1 27.1

179 16.4 14.7 22.1





#17

Pyrene

Concen: 1.42 ng/ul

RT: 19.20 min Scan# 1152

Delta R.T. -0.31 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL

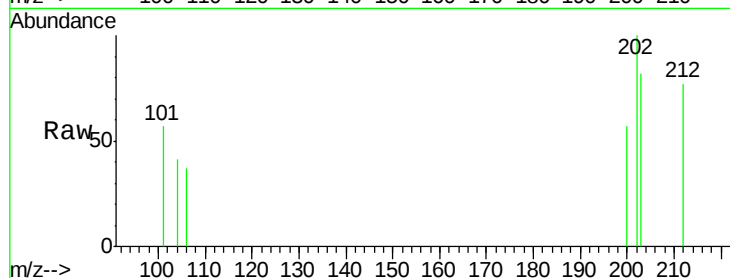
Tgt Ion:202 Resp: 2771

Ion Ratio Lower Upper

202 100

200 57.3 18.2 27.4#

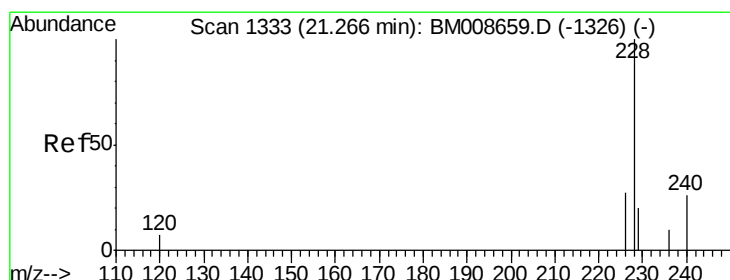
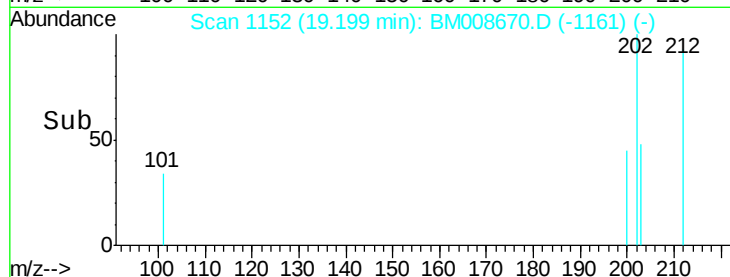
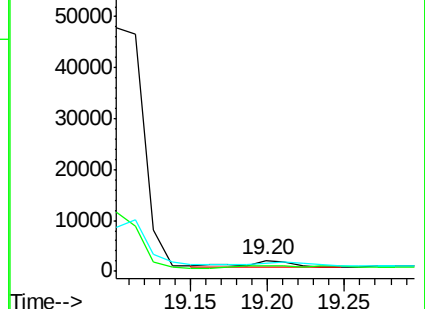
203 81.6 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 20.98 min Scan# 1306

Delta R.T. -0.28 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

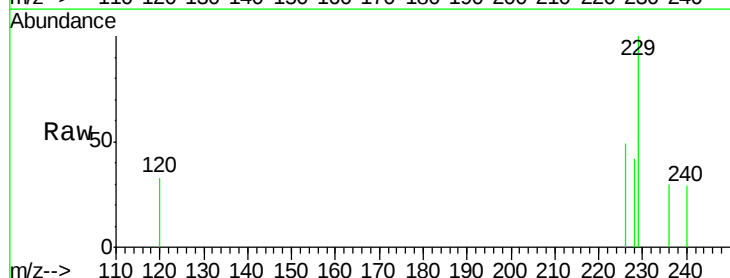
Tgt Ion:228 Resp: 705

Ion Ratio Lower Upper

228 100

226 118.2 22.8 34.2#

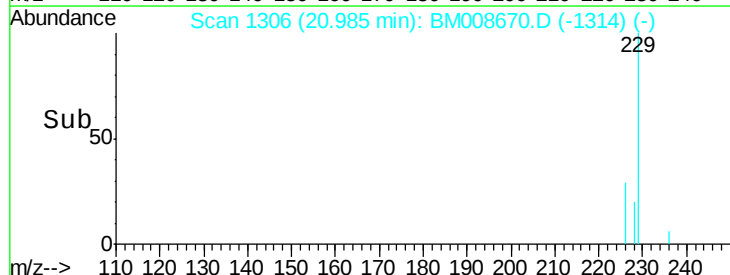
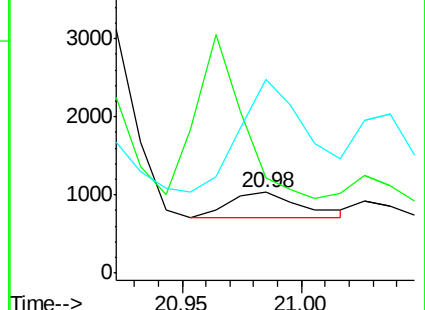
229 239.6 17.0 25.6#

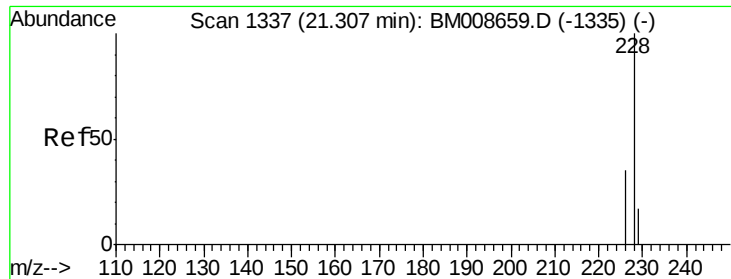


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.39 ng/ul

RT: 20.98 min Scan# 1306

Delta R.T. -0.32 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL

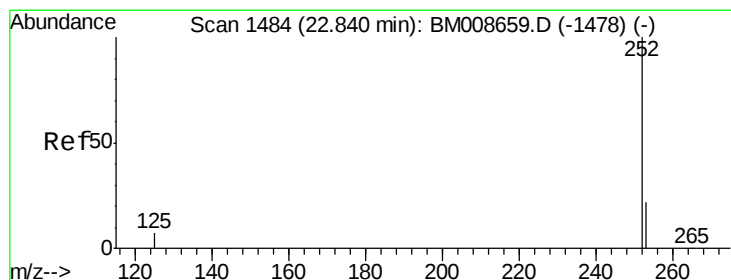
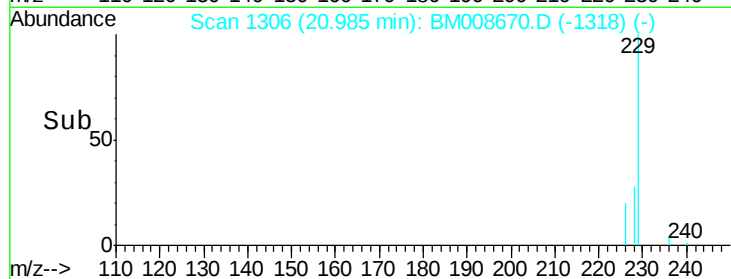
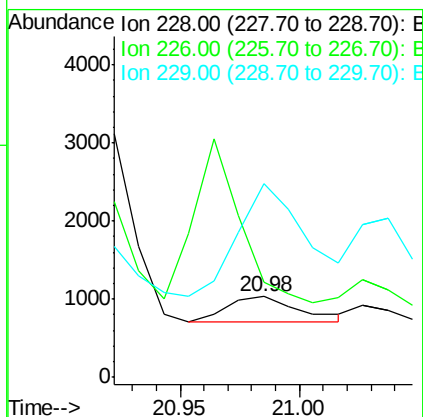
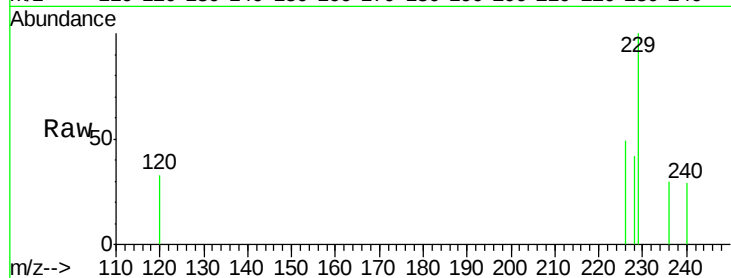
Tgt Ion:228 Resp: 705

Ion Ratio Lower Upper

228 100

226 118.2 23.4 35.0#

229 239.6 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

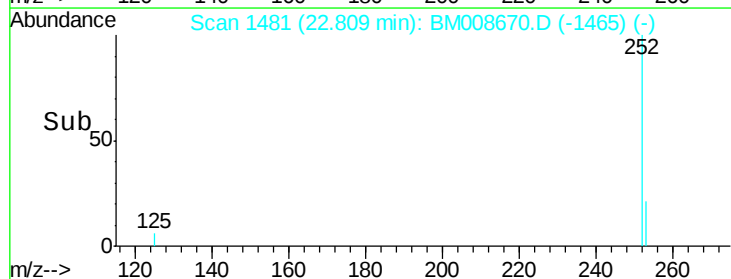
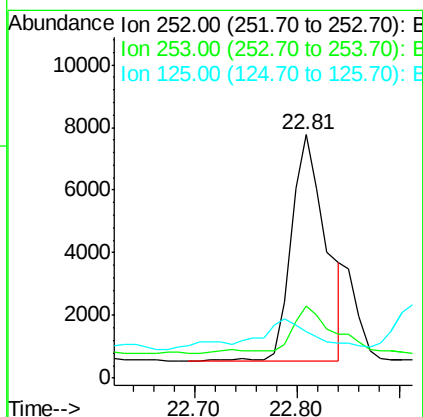
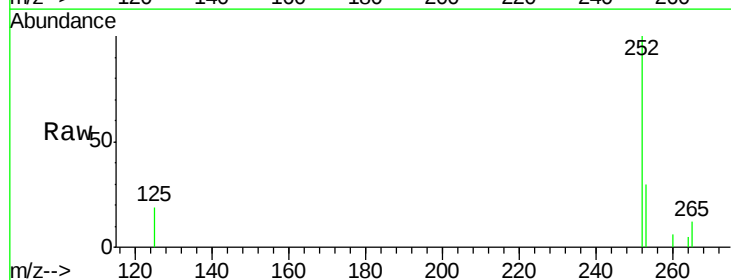
Tgt Ion:252 Resp: 17074

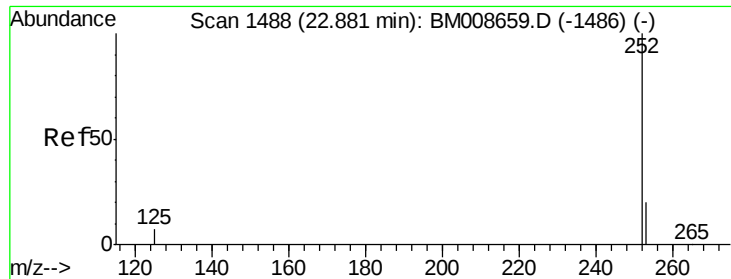
Ion Ratio Lower Upper

252 100

253 29.7 0.0 64.2

125 19.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.51 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

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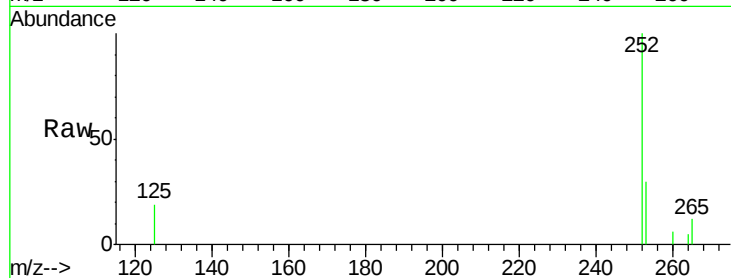
Tgt Ion:252 Resp: 20014

Ion Ratio Lower Upper

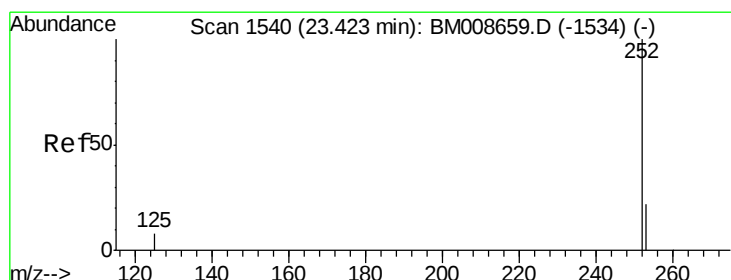
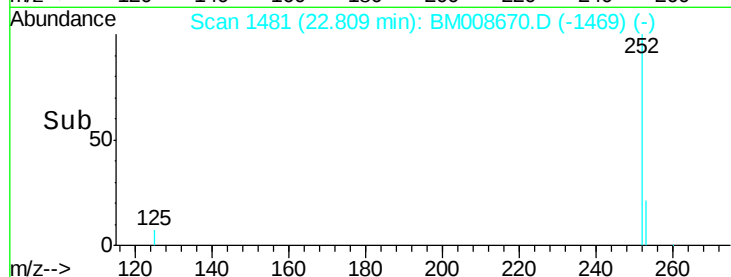
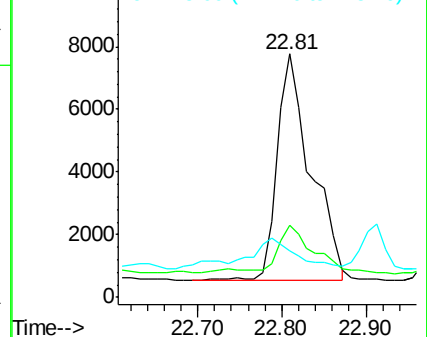
252 100

253 29.7 24.5 36.7

125 19.1 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: 0.18 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.04 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

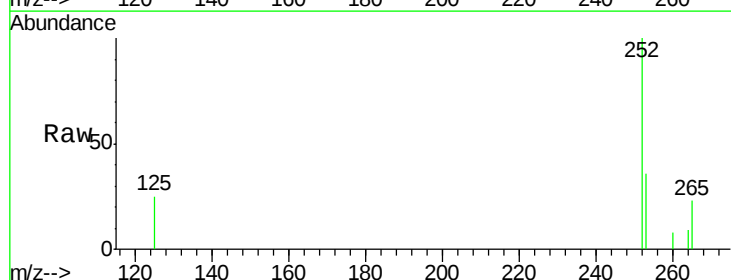
Tgt Ion:252 Resp: 6782

Ion Ratio Lower Upper

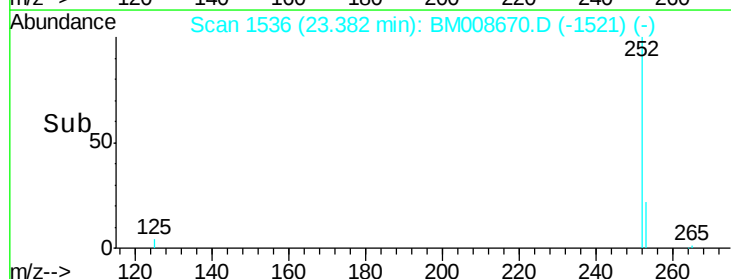
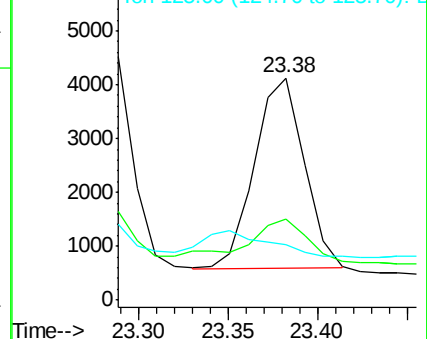
252 100

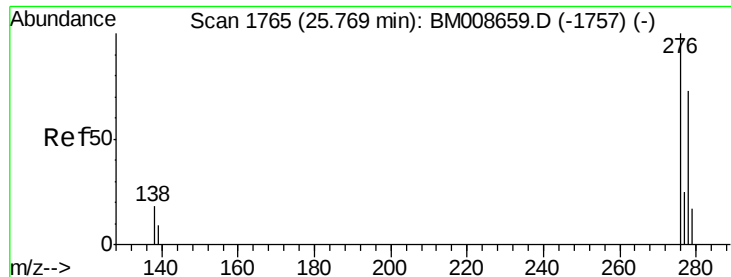
253 36.4 28.5 42.7

125 24.9 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. -0.26 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

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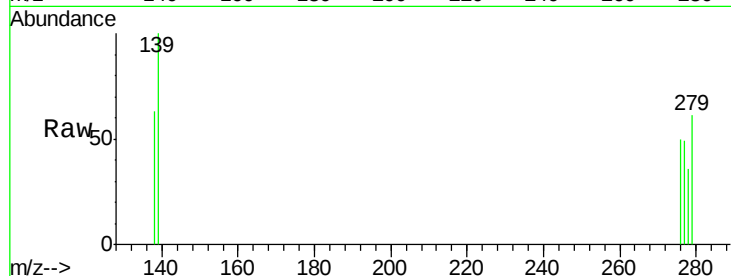
Tgt Ion:276 Resp: 2047

Ion Ratio Lower Upper

276 100

138 153.7 19.1 28.7#

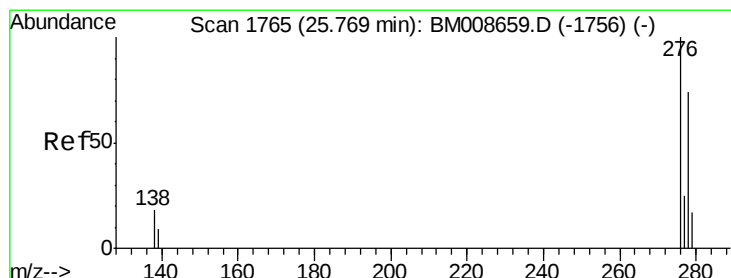
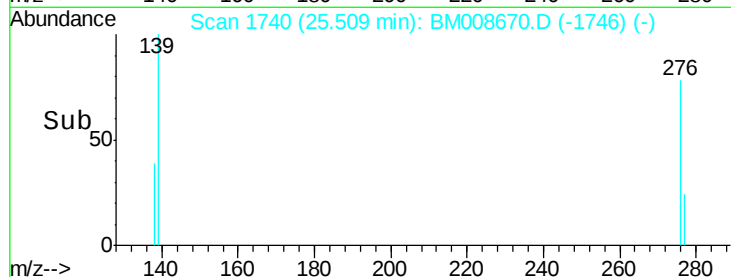
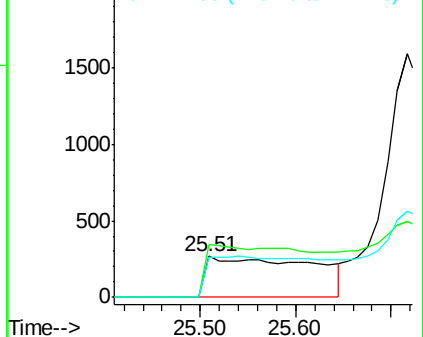
277 0.0 19.6 29.4#



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: 0.05 ng/ul

RT: 25.55 min Scan# 1744

Delta R.T. -0.22 min

Lab File: BM008670.D

Acq: 25 Dec 2016 14:19

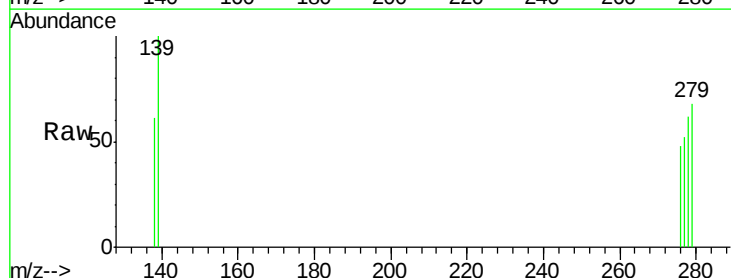
Tgt Ion:278 Resp: 1893

Ion Ratio Lower Upper

278 100

139 162.5 17.4 26.0#

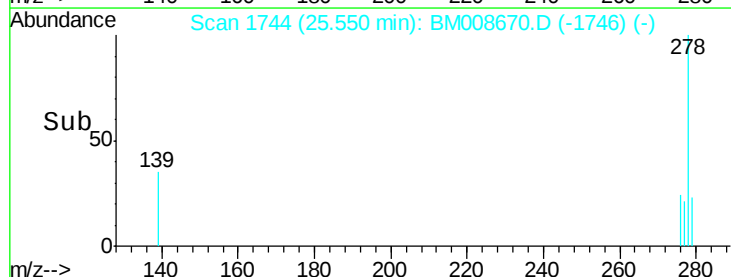
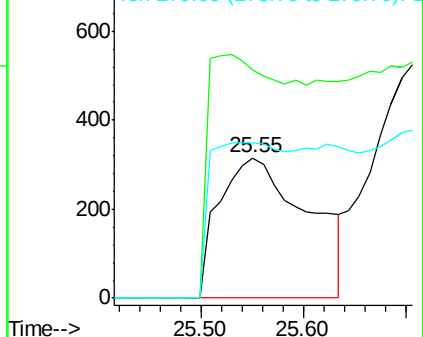
279 111.1 25.9 38.9#

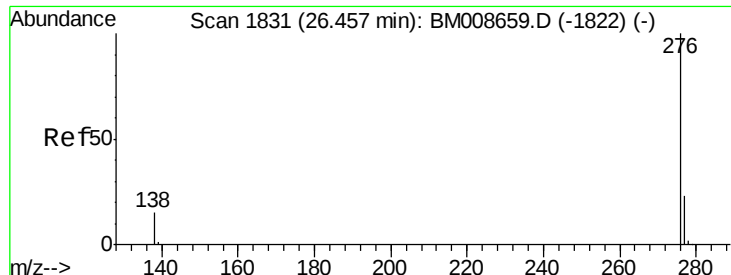


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.08 ng/ul

RT: 26.42 min Scan# 1827

Delta R.T. -0.04 min

Lab File: BM008670.D

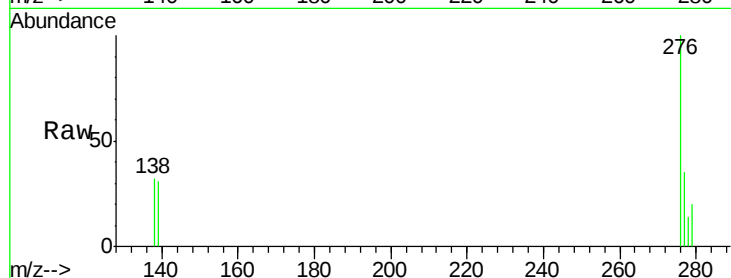
Acq: 25 Dec 2016 14:19

Instrument :

BNA_M

ClientSampleId :

DA874DL



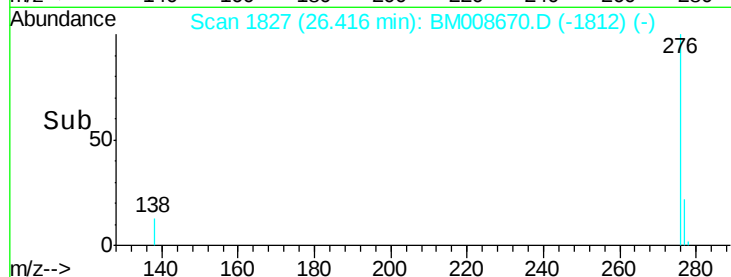
Tgt Ion: 276 Resp: 2985

Ion Ratio Lower Upper

276 100

277 35.4 21.8 32.8#

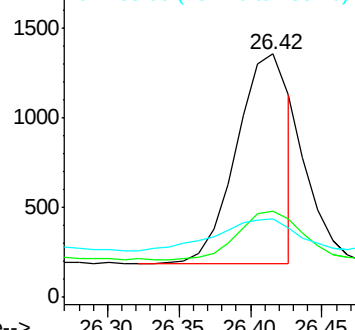
138 32.1 20.5 30.7#



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



Time-->