

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
 Data File : BM008676.D
 Acq On : 27 Dec 2016 16:39
 Operator : UM/SJ
 Sample : H5995-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA864

Quant Time: Dec 28 03:27:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 03:24:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	199	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	632215	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.33	164	8972	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.14	188	82663	0.40	ng/ul	0.02
16) Chrysene-d12	21.36	240	7179	0.40	ng/ul	0.06
20) Perylene-d12	23.52	264	2179	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	3202	0.00	ng/ul	-0.05
14) Fluoranthene-d10	19.14	212	3859	0.02	ng/ul	0.00

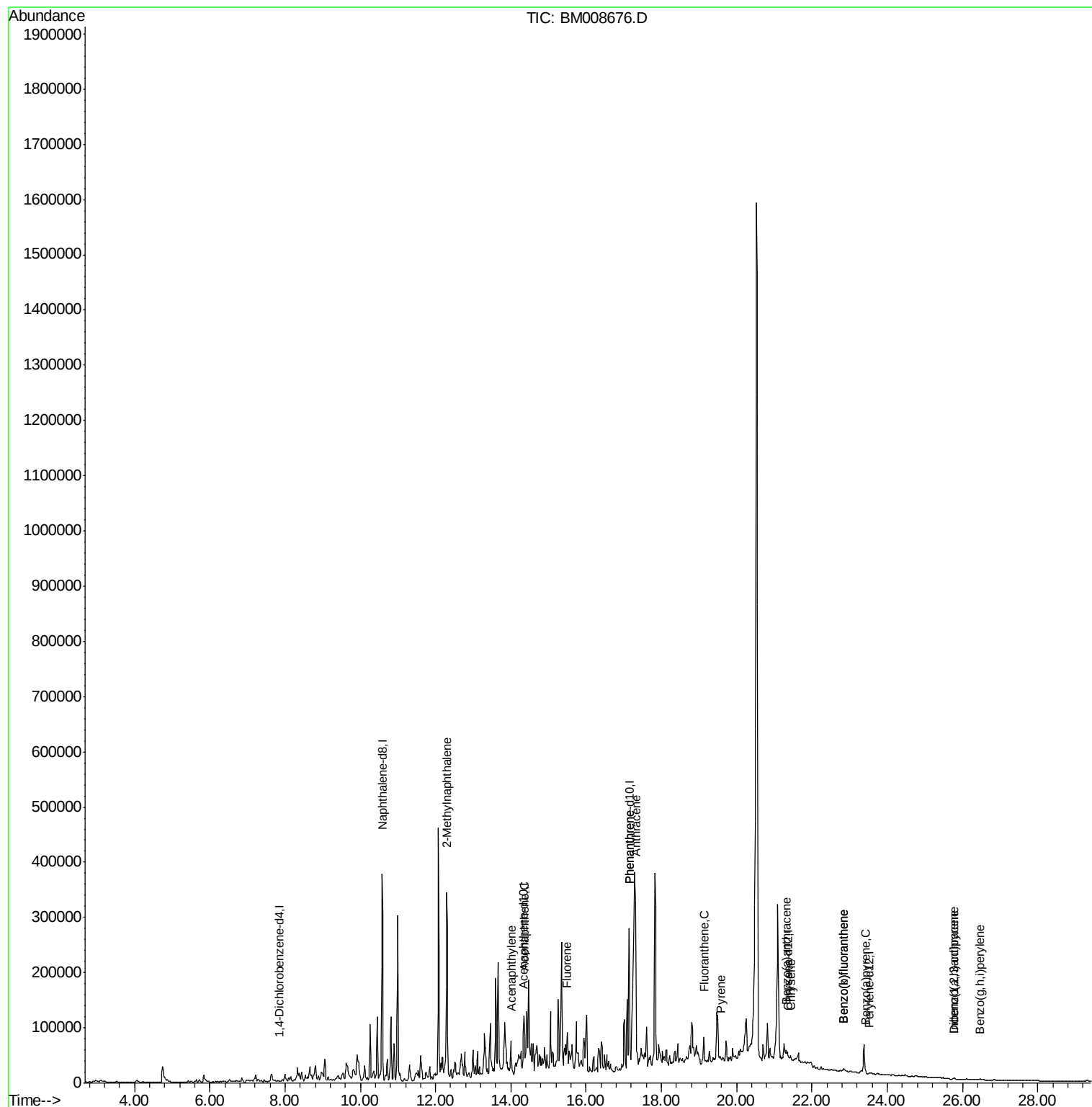
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Methylnaphthalene	12.30	142	237608	0.20	ng/ul	100
7) Acenaphthylene	14.01	152	24737	0.61	ng/ul#	61
8) Acenaphthene	14.35	153	41500	1.36	ng/ul	97
9) Fluorene	15.50	166	11559	0.33	ng/ul#	1
12) Phenanthrene	17.14	178	98672	0.39	ng/ul#	1
13) Anthracene	17.31	178	55280	0.23	ng/ul#	1
15) Fluoranthene	19.13	202	54089	0.17	ng/ul	73
17) Pyrene	19.57	202	9688	0.35	ng/ul#	1
18) Benzo(a)anthracene	21.31	228	24876	1.06	ng/ul#	31
19) Chrysene	21.43	228	3328	0.13	ng/ul#	1
21) Benzo(b)fluoranthene	22.85	252	14881	1.73	ng/ul#	17
22) Benzo(k)fluoranthene	22.85	252	14881	1.78	ng/ul#	14
23) Benzo(a)pyrene	23.42	252	10010	1.26	ng/ul#	30
24) Indeno(1,2,3-cd)pyrene	25.78	276	3977	0.42	ng/ul#	82
25) Dibenzo(a,h)anthracene	25.77	278	1288	0.17	ng/ul#	1
26) Benzo(g,h,i)perylene	26.46	276	3858	0.47	ng/ul#	31

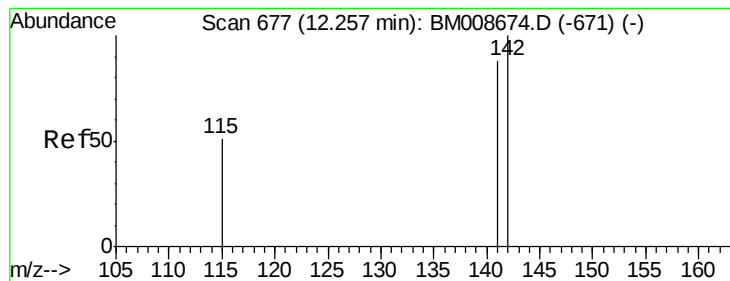
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.30 min Scan# 681

Delta R.T. 0.04 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA_M

ClientSampleId :

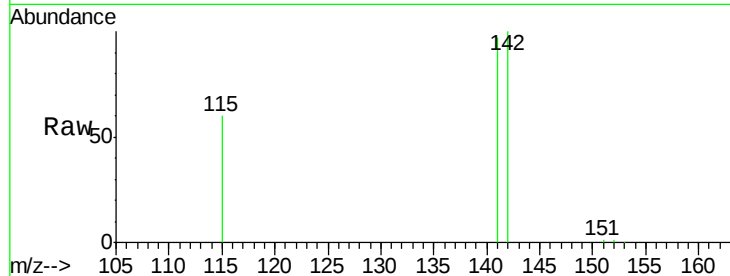
DA864

Tgt Ion:142 Resp: 237608

Ion Ratio Lower Upper

142 100

141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.30

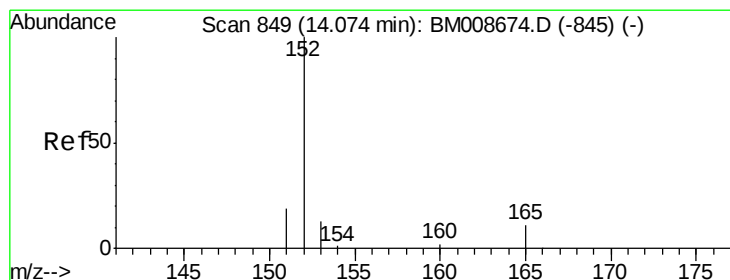
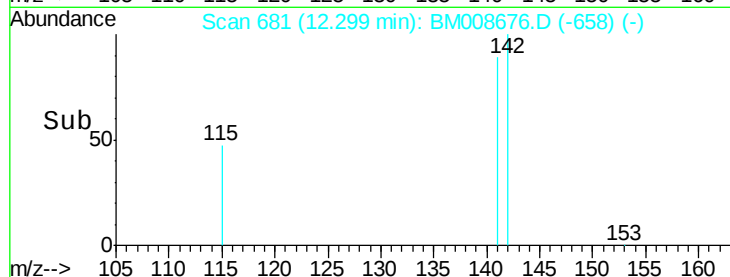
150000

100000

50000

0

Time--> 12.20 12.30 12.40



#7

Acenaphthylene

Concen: 0.61 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.07 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

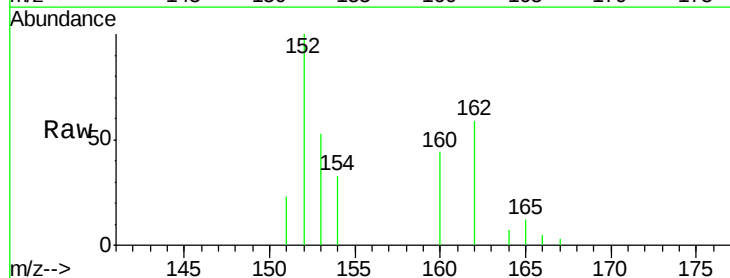
Tgt Ion:152 Resp: 24737

Ion Ratio Lower Upper

152 100

151 23.0 17.1 25.7

153 52.8 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

14.01

20000

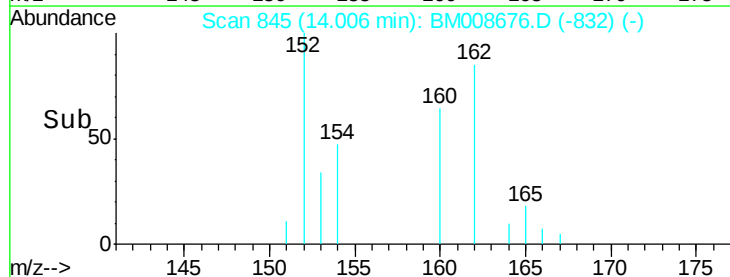
15000

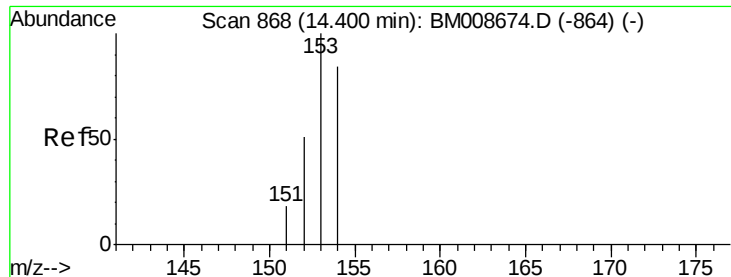
10000

5000

0

Time--> 13.90 14.00 14.10





#8

Acenaphthene

Concen: 1.36 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.05 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA_M

ClientSampleId :

DA864

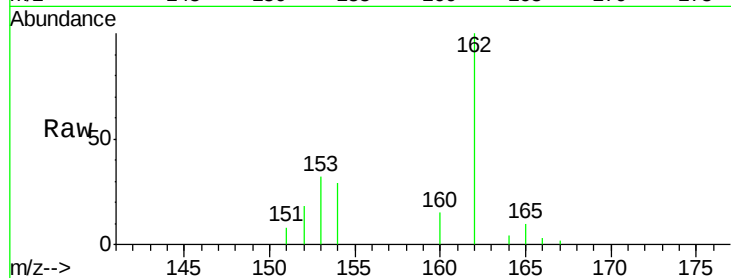
Tgt Ion:153 Resp: 41500

Ion Ratio Lower Upper

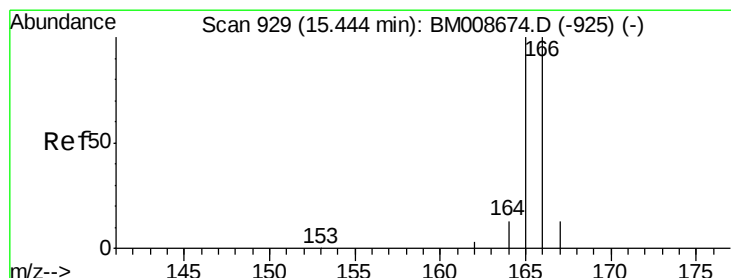
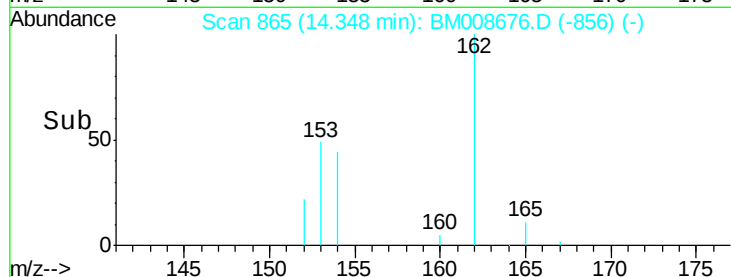
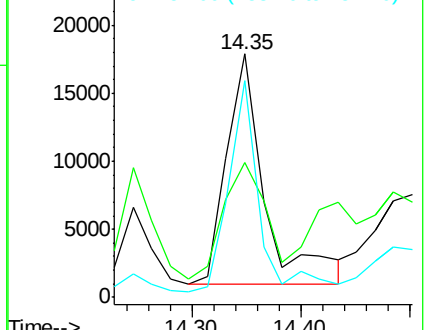
153 100

152 55.2 40.3 60.5

154 88.8 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: 0.33 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.05 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

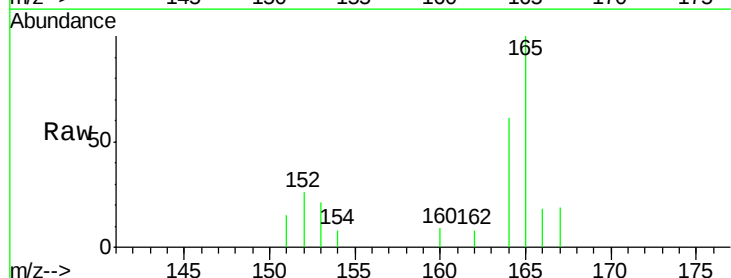
Tgt Ion:166 Resp: 11559

Ion Ratio Lower Upper

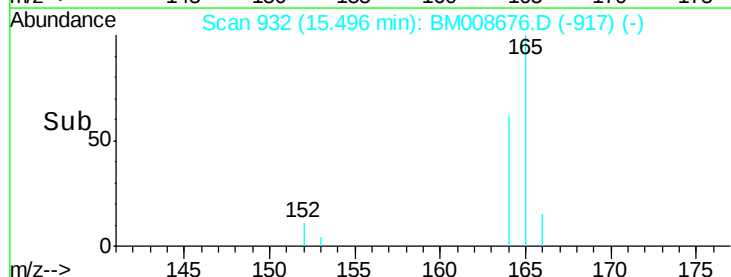
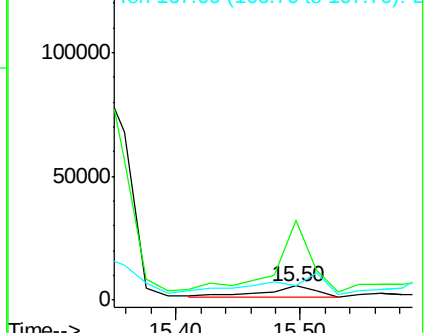
166 100

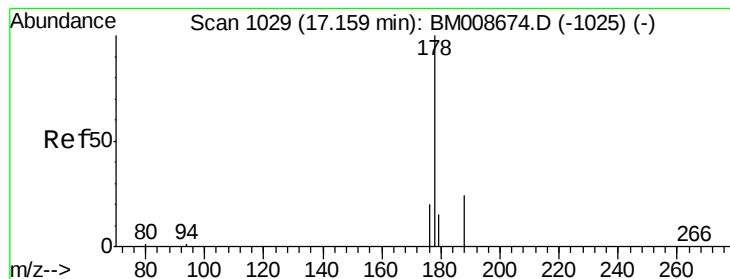
165 553.2 73.4 110.2#

167 103.9 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: 0.39 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

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ClientSampleId :

DA864

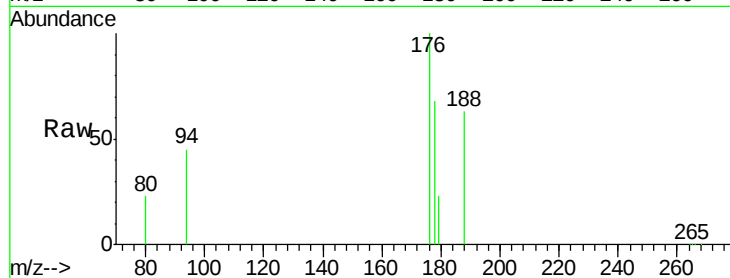
Tgt Ion:178 Resp: 98672

Ion Ratio Lower Upper

178 100

176 147.3 18.4 27.6#

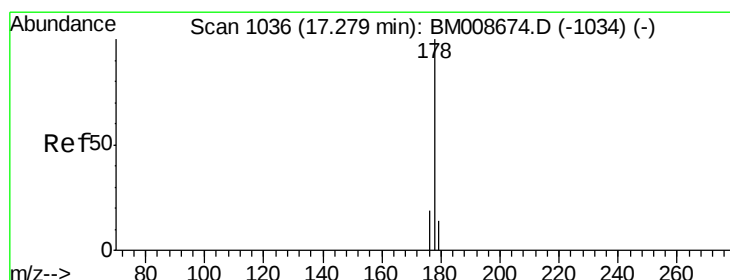
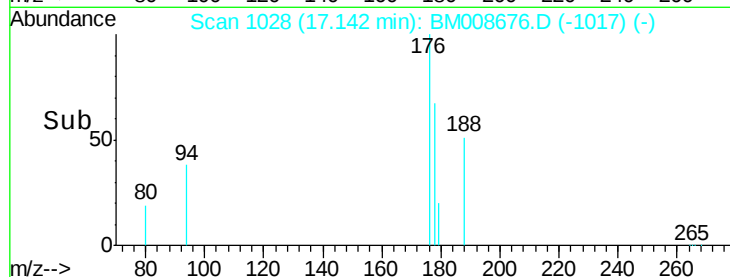
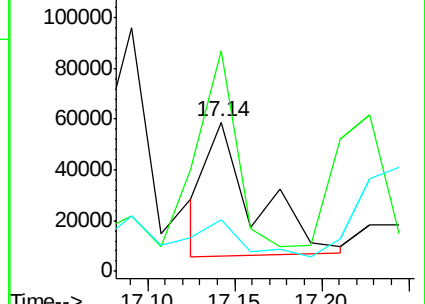
179 34.6 13.6 20.4#



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: 0.23 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.03 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

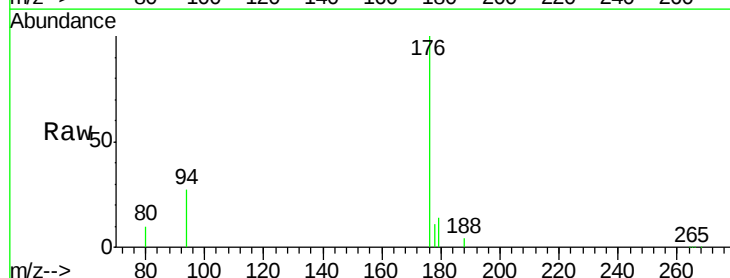
Tgt Ion:178 Resp: 55280

Ion Ratio Lower Upper

178 100

176 933.8 18.1 27.1#

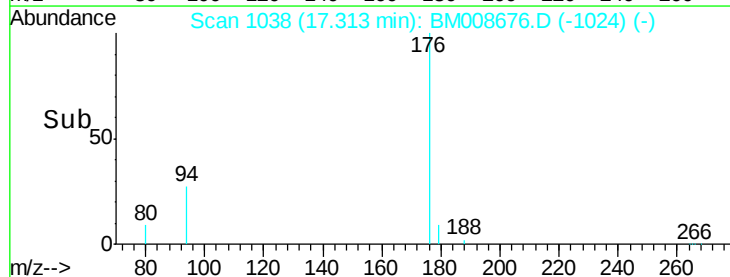
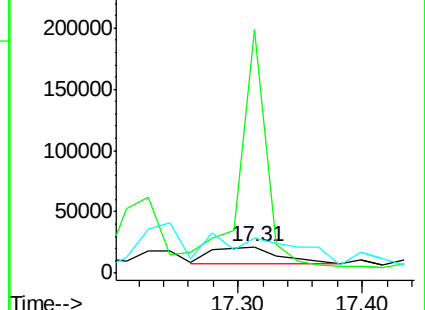
179 133.9 14.7 22.1#

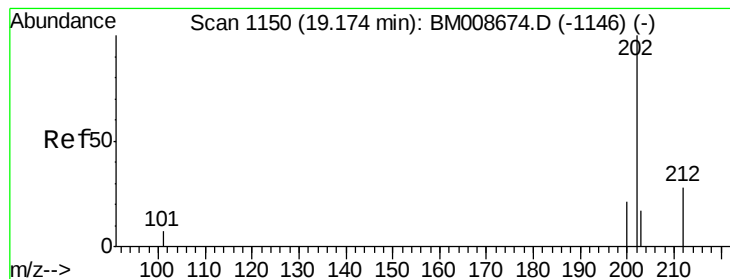


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.17 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. -0.04 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

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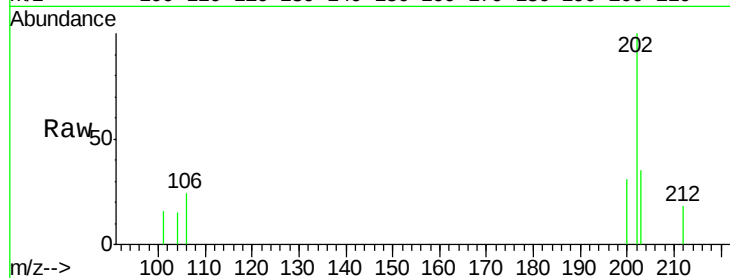
Tgt Ion:202 Resp: 54089

Ion Ratio Lower Upper

202 100

101 15.6 0.0 30.3

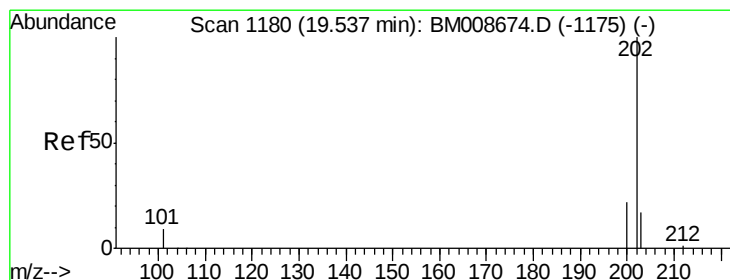
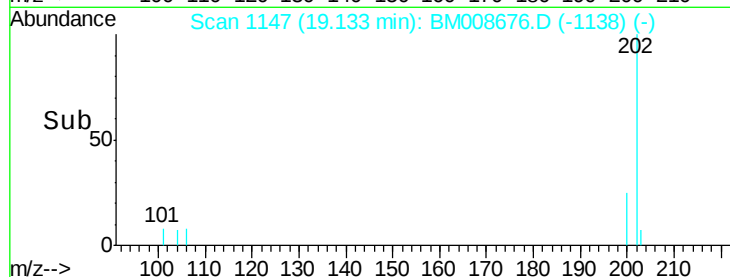
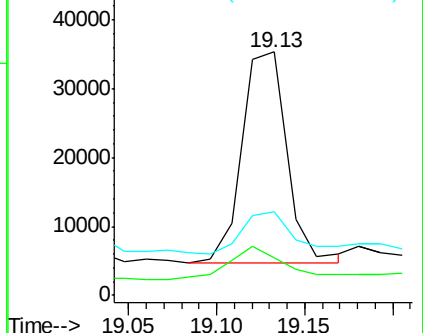
203 34.6 0.0 39.5



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: 0.35 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. 0.03 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

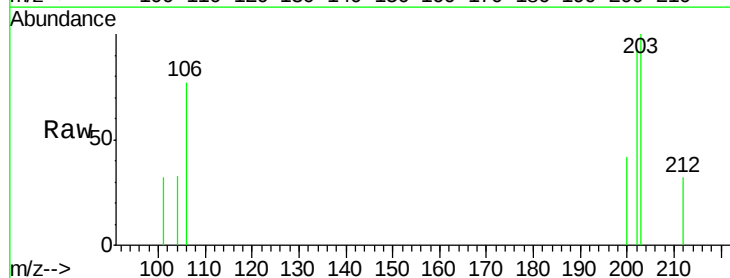
Tgt Ion:202 Resp: 9688

Ion Ratio Lower Upper

202 100

200 45.6 18.2 27.4#

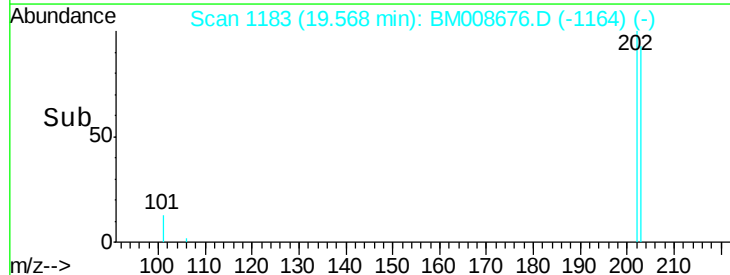
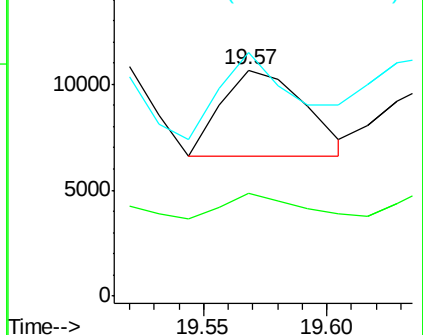
203 107.8 15.6 23.4#

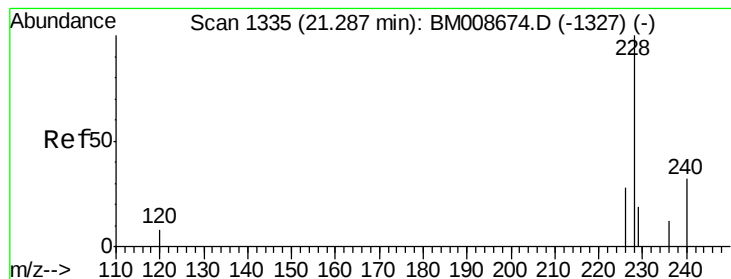


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.06 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. 0.03 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA_M

ClientSampleId :

DA864

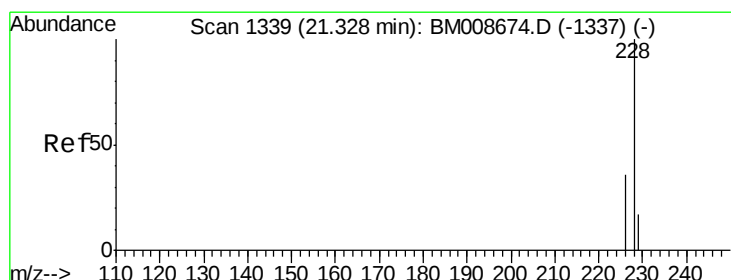
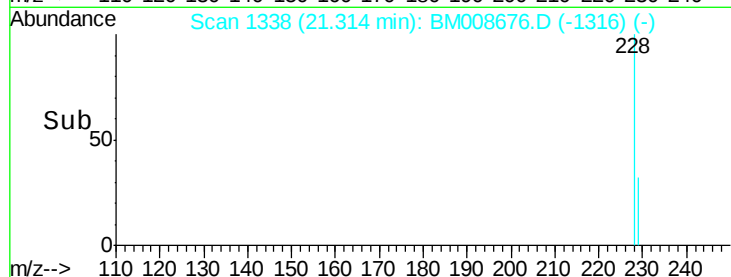
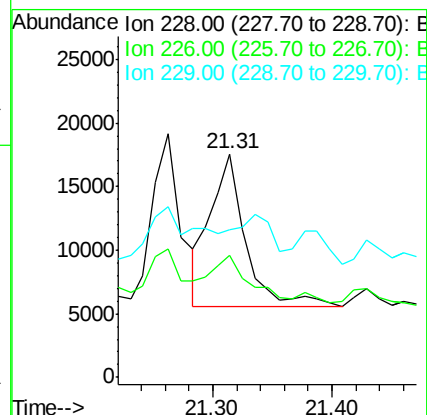
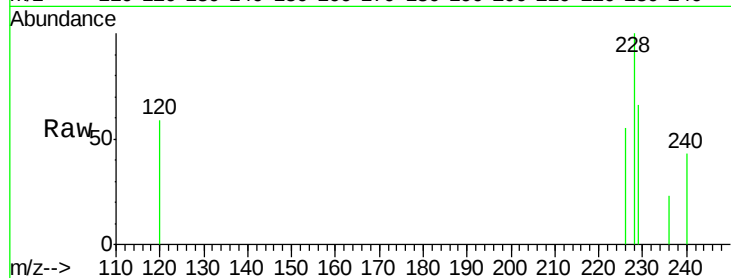
Tgt Ion:228 Resp: 24876

Ion Ratio Lower Upper

228 100

226 54.6 22.8 34.2#

229 66.3 17.0 25.6#



#19

Chrysene

Concen: 0.13 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.10 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

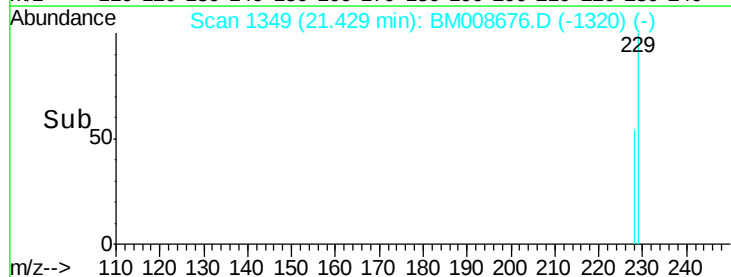
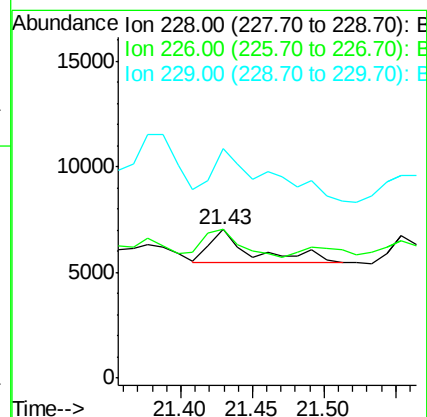
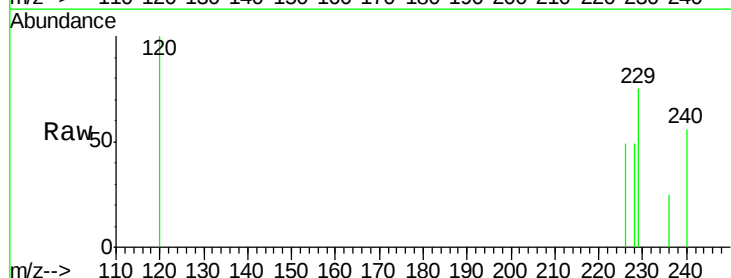
Tgt Ion:228 Resp: 3328

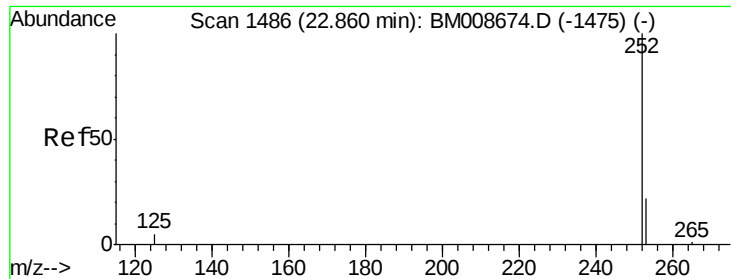
Ion Ratio Lower Upper

228 100

226 99.9 23.4 35.0#

229 154.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 1.73 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

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DA864

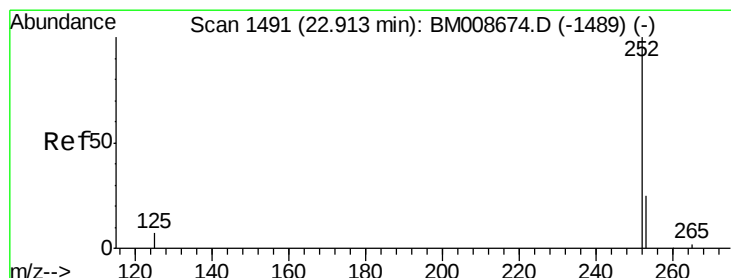
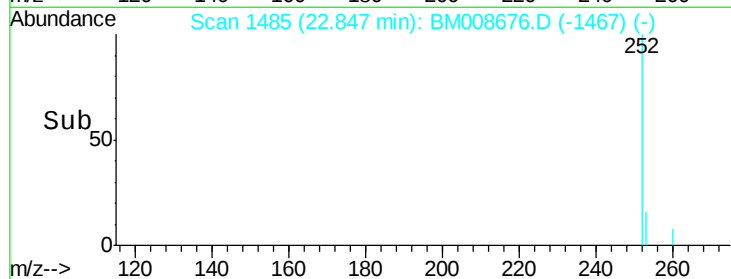
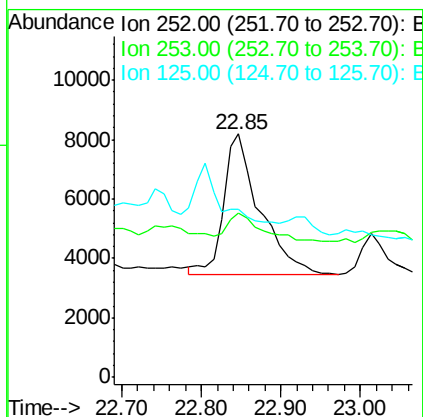
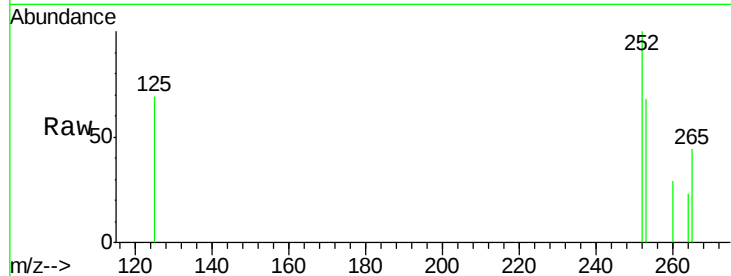
Tgt Ion:252 Resp: 14881

Ion Ratio Lower Upper

252 100

253 67.5 0.0 64.2#

125 69.3 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 1.78 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.07 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

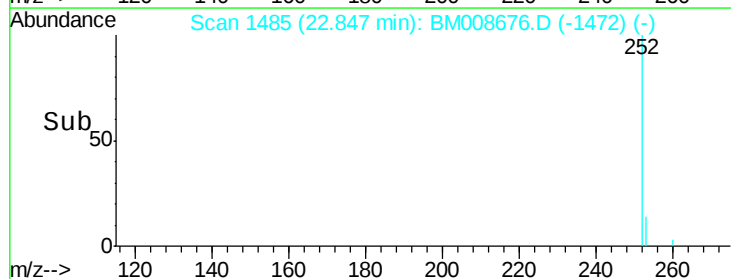
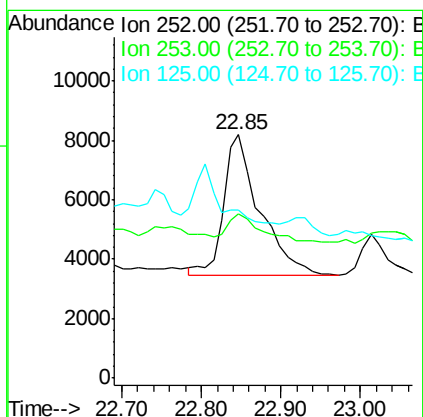
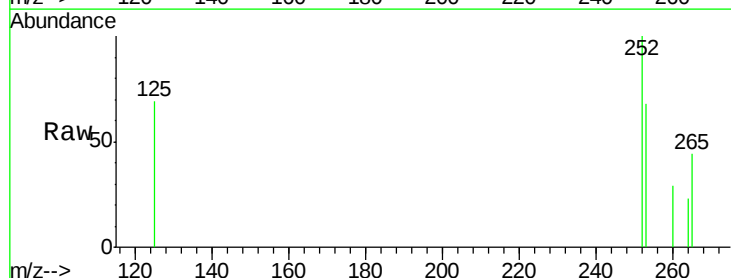
Tgt Ion:252 Resp: 14881

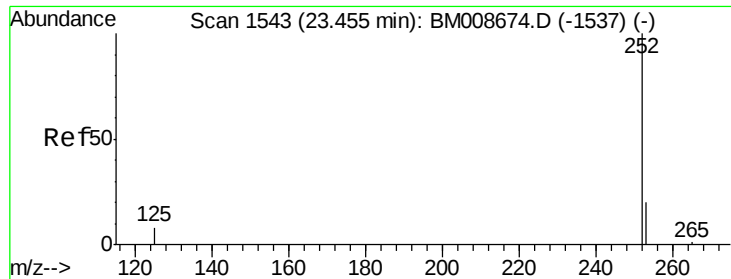
Ion Ratio Lower Upper

252 100

253 67.5 24.5 36.7#

125 69.3 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 1.26 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

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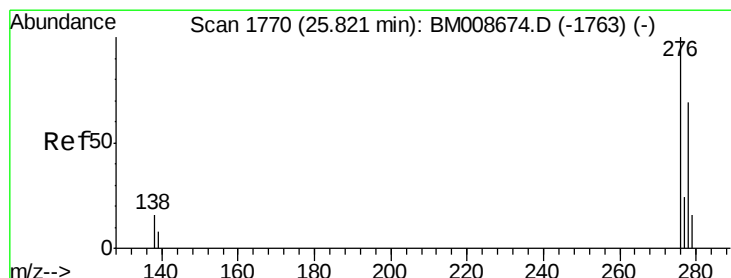
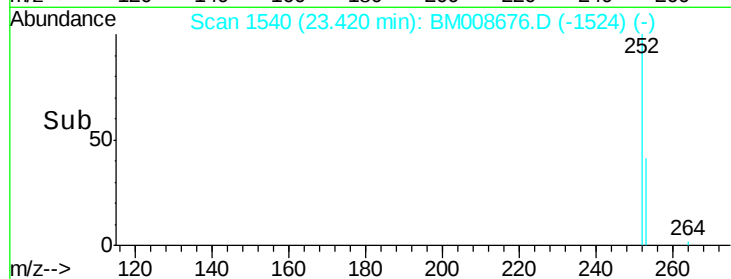
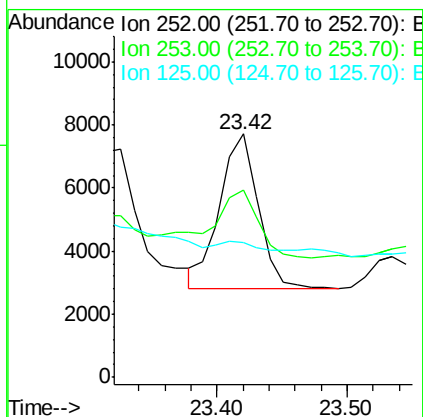
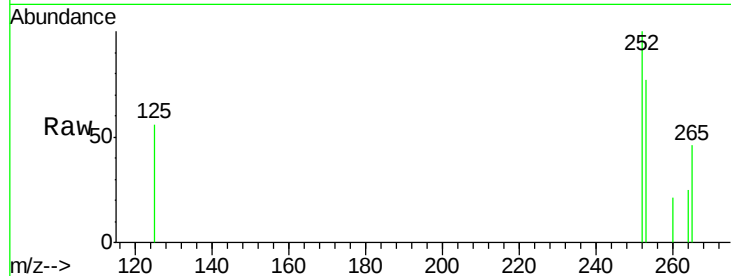
Tgt Ion: 252 Resp: 10010

Ion Ratio Lower Upper

252 100

253 76.7 28.5 42.7#

125 55.6 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.04 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

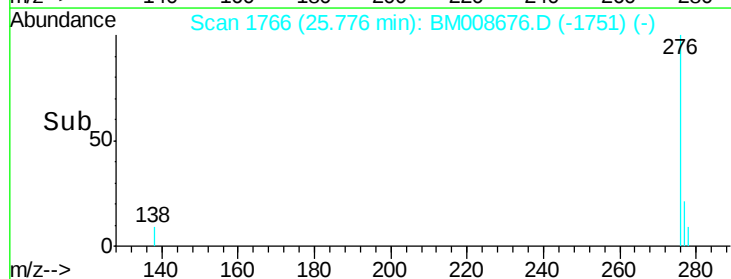
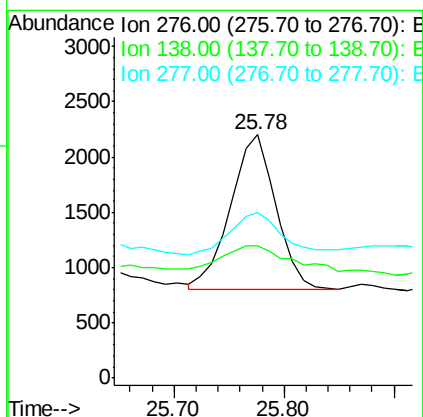
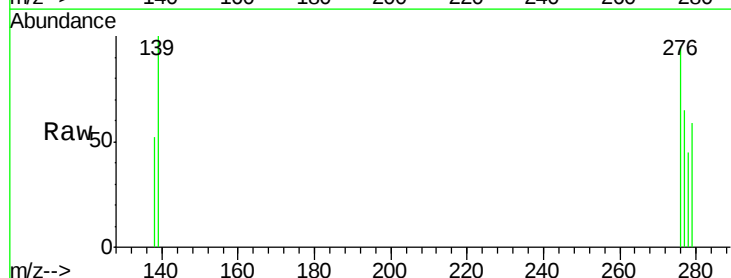
Tgt Ion: 276 Resp: 3977

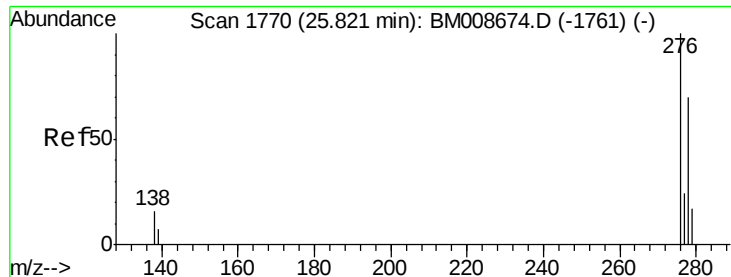
Ion Ratio Lower Upper

276 100

138 34.8 19.1 28.7#

277 31.3 19.6 29.4#





#25

Dibenzo(a,h)anthracene

Concen: 0.17 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.06 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Instrument :

BNA_M

ClientSampleId :

DA864

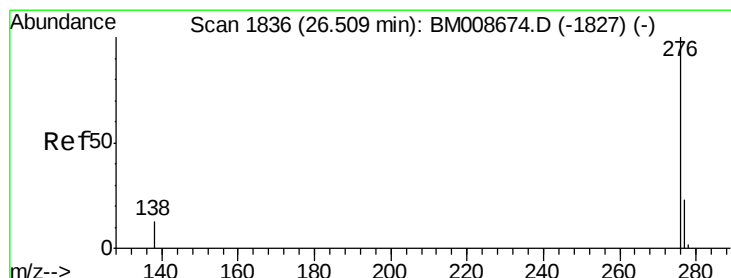
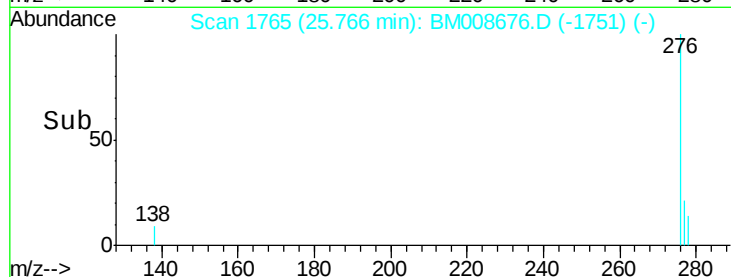
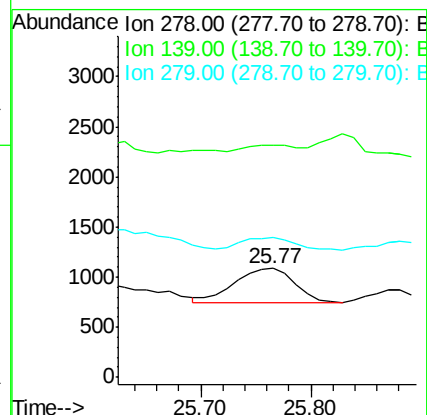
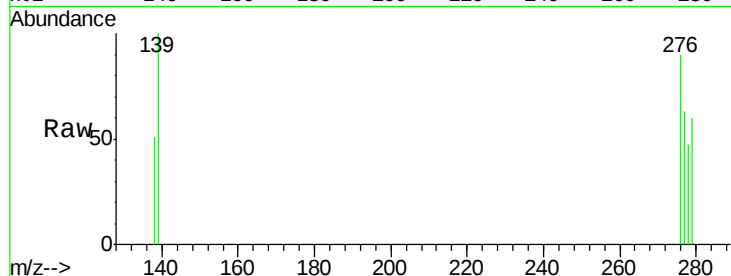
Tgt Ion:278 Resp: 1288

Ion Ratio Lower Upper

278 100

139 213.5 17.4 26.0#

279 129.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.47 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.04 min

Lab File: BM008676.D

Acq: 27 Dec 2016 16:39

Tgt Ion:276 Resp: 3858

Ion Ratio Lower Upper

276 100

277 66.0 21.8 32.8#

138 58.2 20.5 30.7#

