

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
 Data File : BM008677.D
 Acq On : 27 Dec 2016 17:18
 Operator : UM/SJ
 Sample : H5995-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA874

Quant Time: Dec 28 03:27:27 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	7.85	152	88	0.40	ng/ul	0.02
2) Naphthalene-d8	10.57	136	19539	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	3464	0.40	ng/ul	0.03
10) Phenanthrene-d10	17.16	188	171438	0.40	ng/ul	0.03
16) Chrysene-d12	21.34	240	4334	0.40	ng/ul	0.04
20) Perylene-d12	23.55	264	1932	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	8531	0.28	ng/ul	-0.04
14) Fluoranthene-d10	19.18	212	7688	0.02	ng/ul	0.03

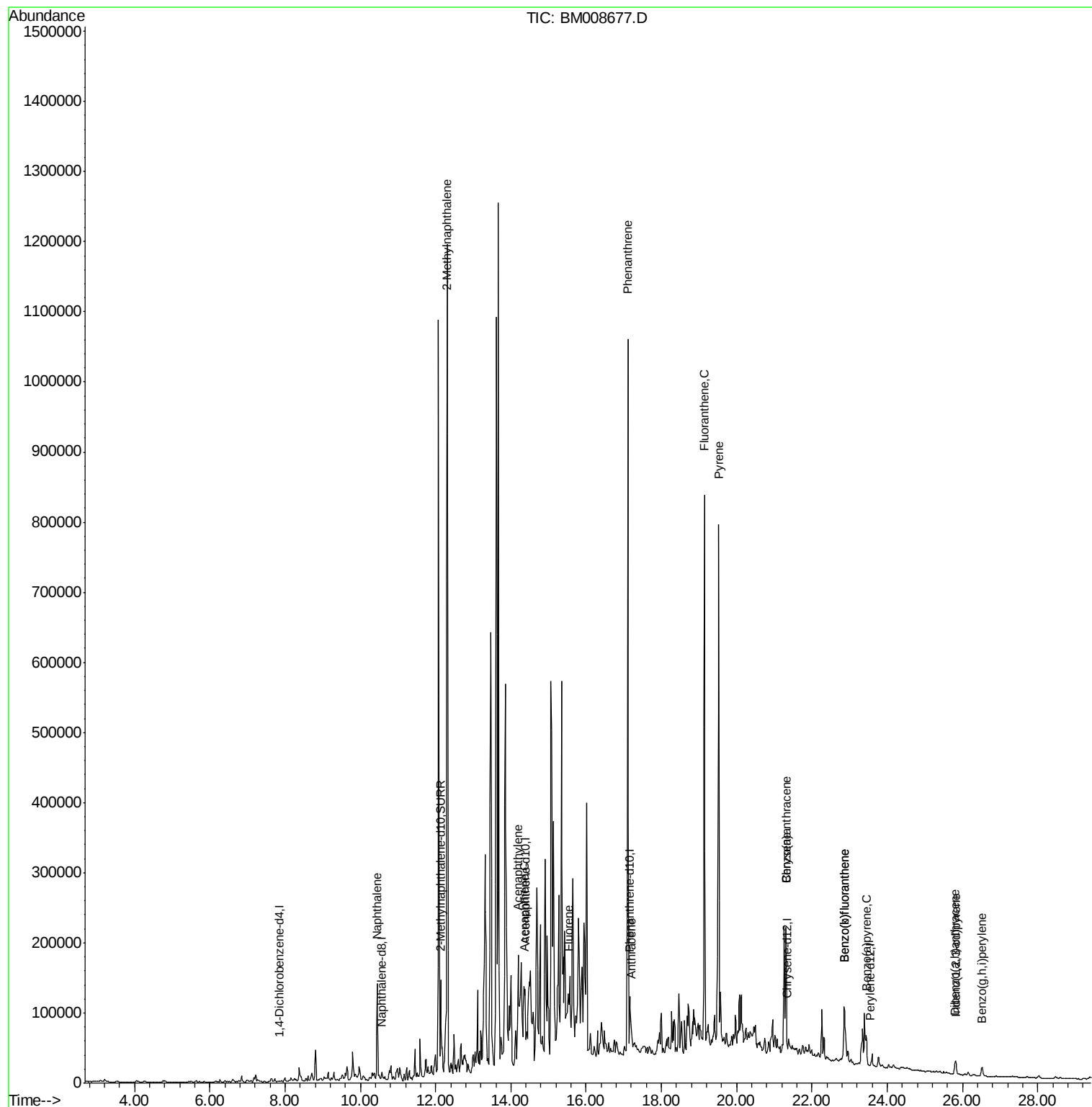
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.45	128	151270	2.75	ng/ul	97
5) 2-Methylnaphthalene	12.31	142	849517	22.96	ng/ul	99
7) Acenaphthylene	14.19	152	16748	1.07	ng/ul#	1
8) Acenaphthene	14.37	153	83208	7.06	ng/ul#	56
9) Fluorene	15.53	166	15082	1.12	ng/ul#	1
12) Phenanthrene	17.11	178	1185577	2.26	ng/ul	98
13) Anthracene	17.19	178	51262	0.10	ng/ul#	69
15) Fluoranthene	19.14	202	771307	1.20	ng/ul	98
17) Pyrene	19.52	202	718210	42.87	ng/ul	97
18) Benzo(a)anthracene	21.31	228	178714	12.56	ng/ul#	87
19) Chrysene	21.31	228	178714	11.47	ng/ul#	89
21) Benzo(b)fluoranthene	22.86	252	187764	24.67	ng/ul	92
22) Benzo(k)fluoranthene	22.86	252	187964	25.33	ng/ul#	93
23) Benzo(a)pyrene	23.44	252	67203	9.53	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.82	276	37257	4.43	ng/ul	94
25) Dibenzo(a,h)anthracene	25.81	278	11635	1.73	ng/ul#	4
26) Benzo(g,h,i)perylene	26.52	276	30951	4.29	ng/ul#	88

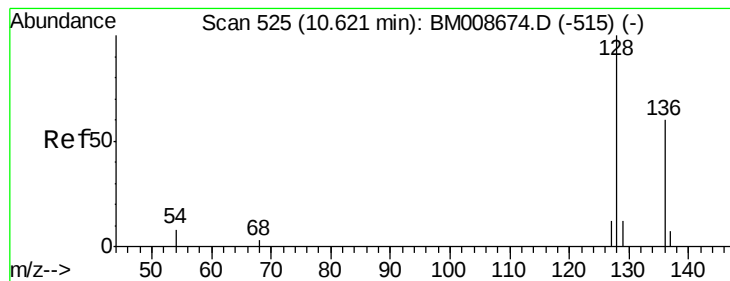
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008677.D
Acq On : 27 Dec 2016 17:18
Operator : UM/SJ
Sample : H5995-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA874

Quant Time: Dec 28 03:27:27 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





#3

Naphthalene

Concen: 2.75 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.17 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874

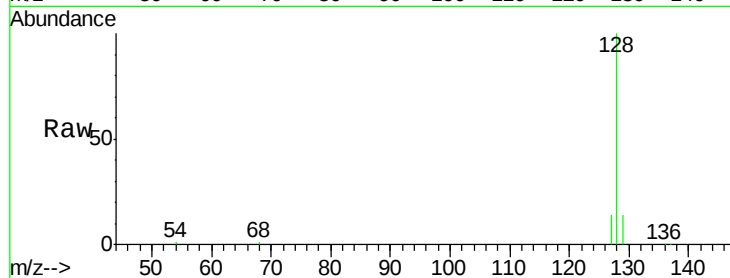
Tgt Ion:128 Resp: 151270

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

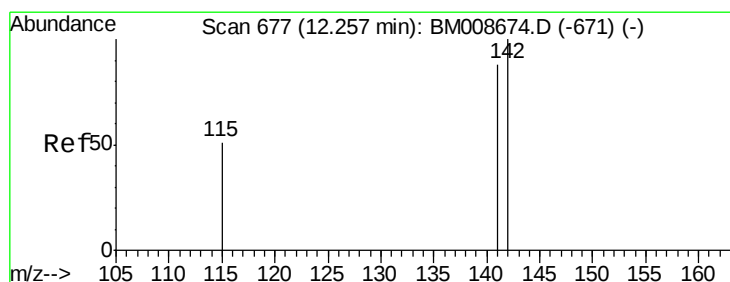
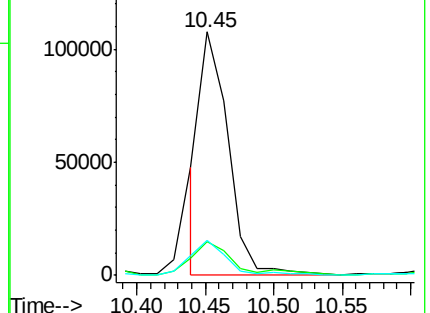
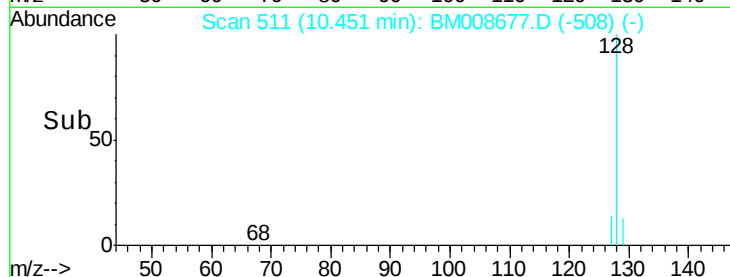
127 14.4 12.8 19.2



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: 22.96 ng/ul

RT: 12.31 min Scan# 682

Delta R.T. 0.05 min

Lab File: BM008677.D

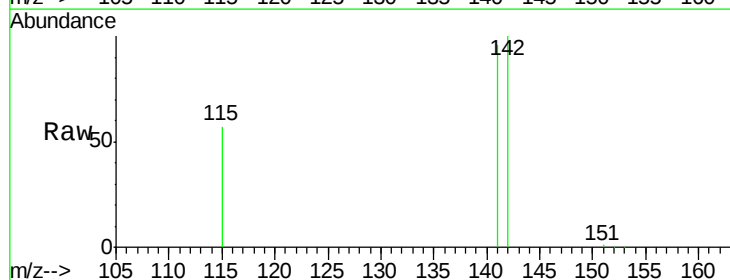
Acq: 27 Dec 2016 17:18

Tgt Ion:142 Resp: 849517

Ion Ratio Lower Upper

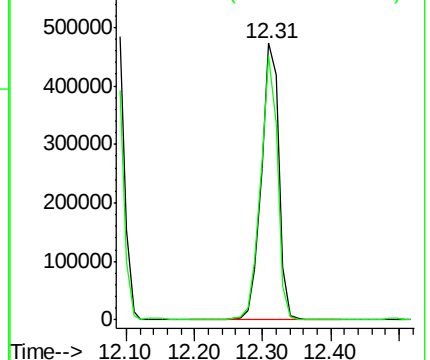
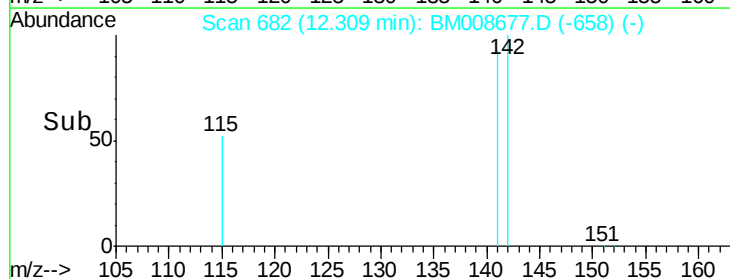
142 100

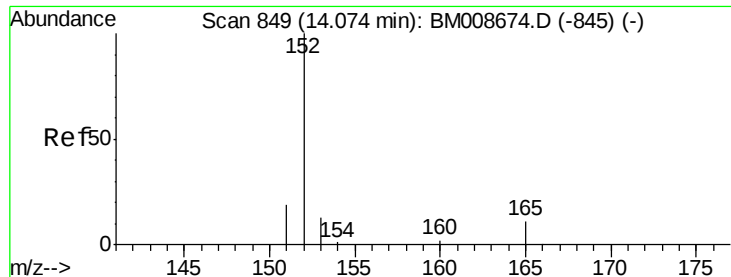
141 91.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.07 ng/ul

RT: 14.19 min Scan# 856

Delta R.T. 0.12 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampled :

DA874

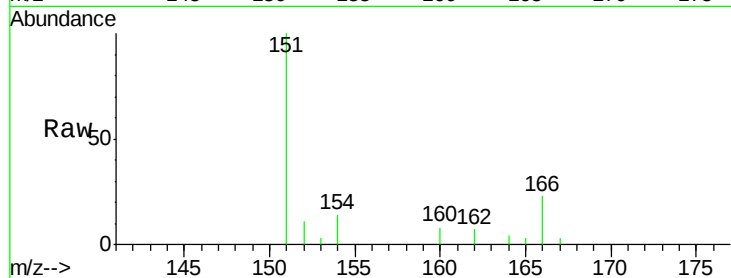
Tgt Ion:152 Resp: 16748

Ion Ratio Lower Upper

152 100

151 871.3 17.1 25.7#

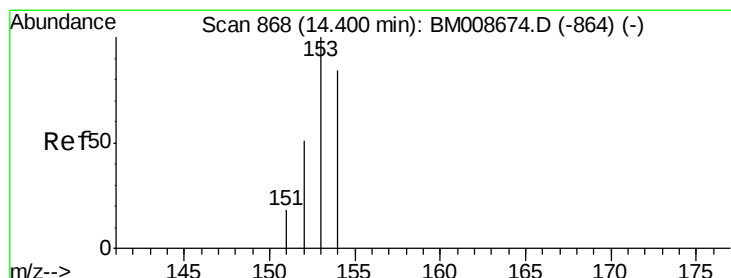
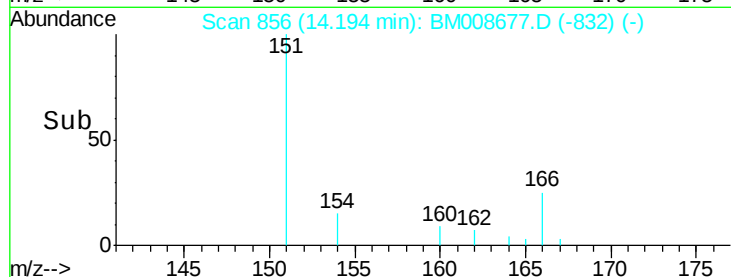
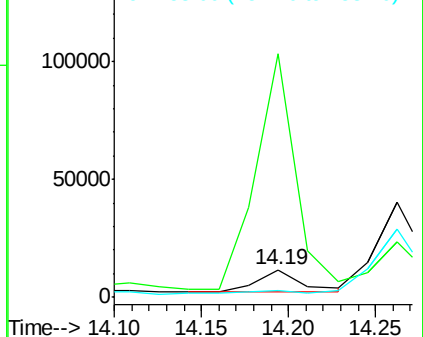
153 24.2 12.8 19.2#



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: 7.06 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. -0.03 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

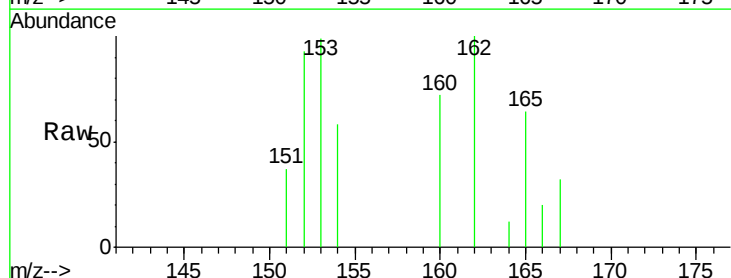
Tgt Ion:153 Resp: 83208

Ion Ratio Lower Upper

153 100

152 94.6 40.3 60.5#

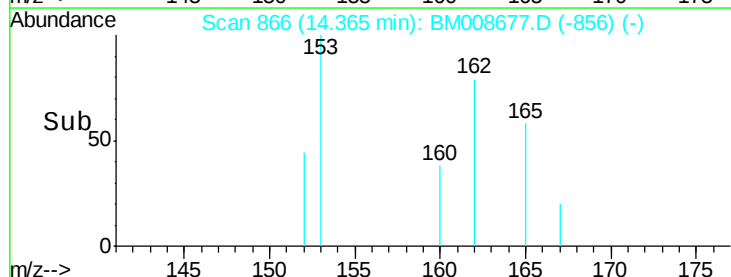
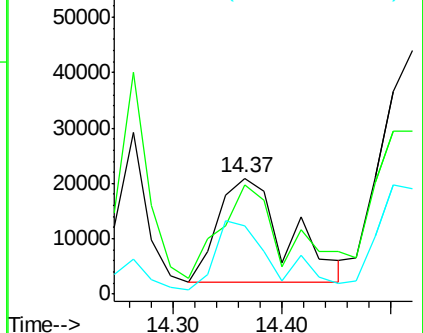
154 59.3 71.4 107.2#

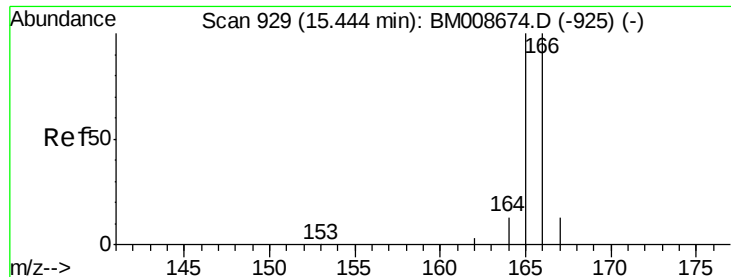


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

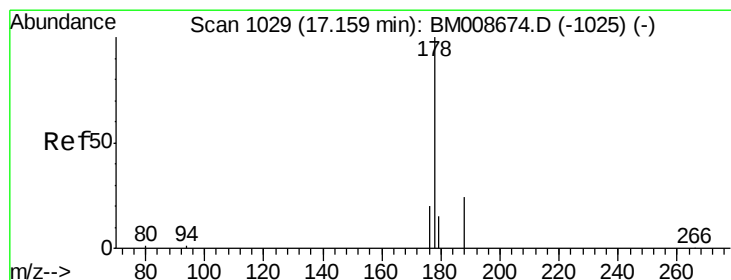
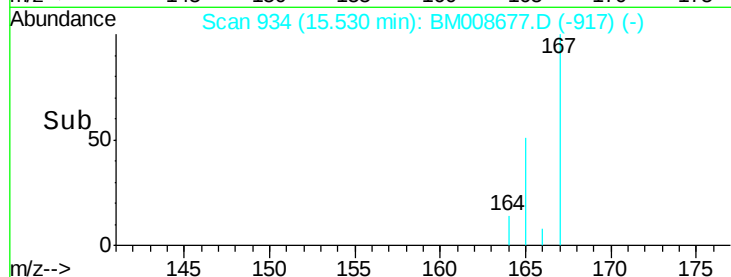
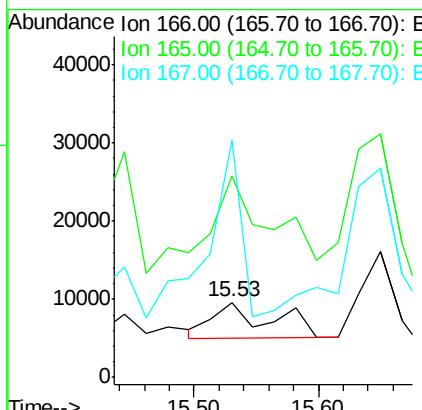
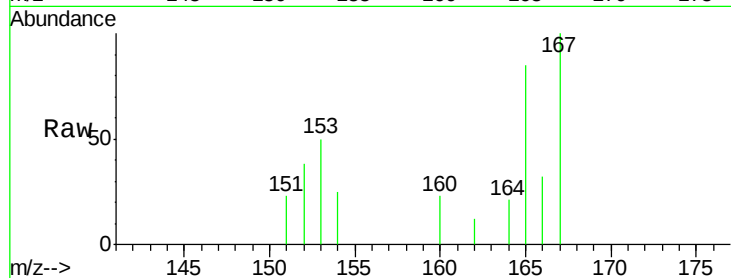




#9
Fluorene
 Concen: 1.12 ng/ul
 RT: 15.53 min Scan# 934
 Delta R.T. 0.09 min
 Lab File: BM008677.D
 Acq: 27 Dec 2016 17:18

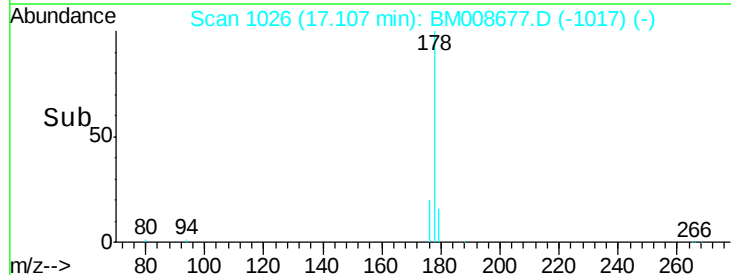
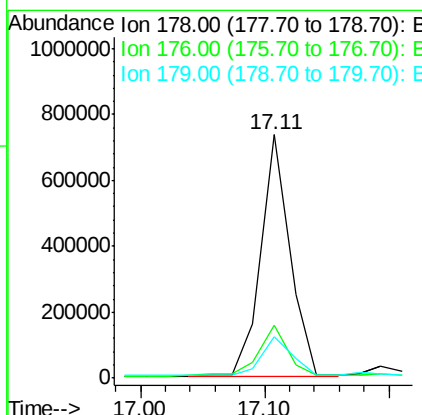
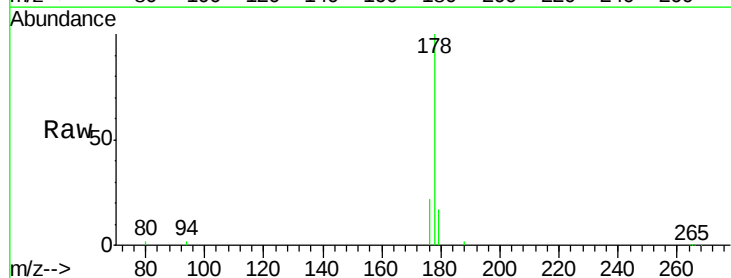
Instrument :
 BNA_M
 ClientSampleId :
 DA874

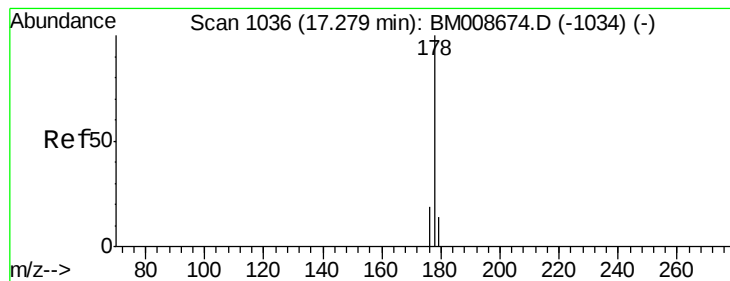
Tgt Ion:166 Resp: 15082
 Ion Ratio Lower Upper
 166 100
 165 268.6 73.4 110.2#
 167 316.7 14.6 22.0#



#12
Phenanthrene
 Concen: 2.26 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BM008677.D
 Acq: 27 Dec 2016 17:18

Tgt Ion:178 Resp: 1185577
 Ion Ratio Lower Upper
 178 100
 176 21.5 18.4 27.6
 179 16.8 13.6 20.4





#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.09 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874

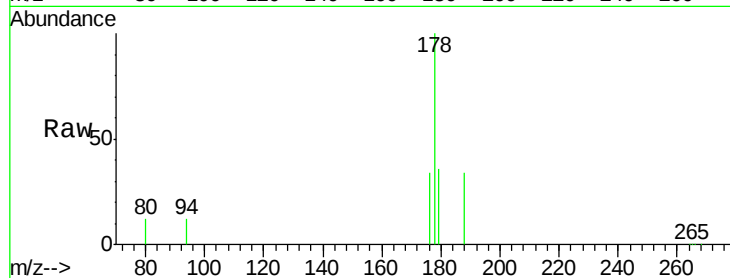
Tgt Ion:178 Resp: 51262

Ion Ratio Lower Upper

178 100

176 33.9 18.1 27.1#

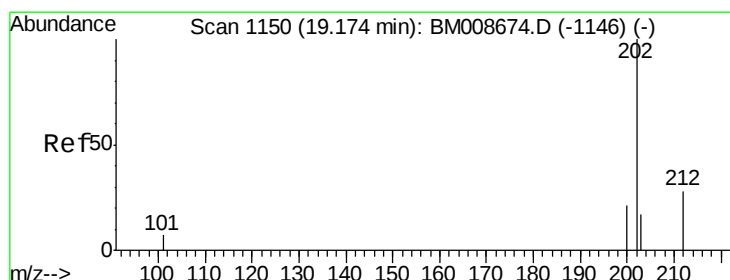
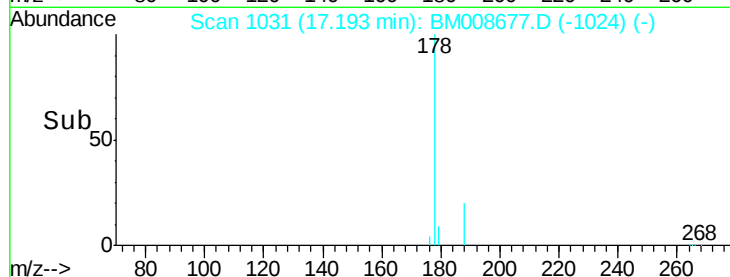
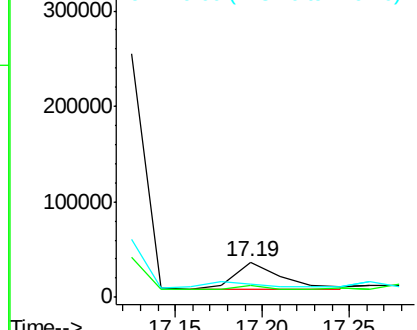
179 36.1 14.7 22.1#



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: 1.20 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.03 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

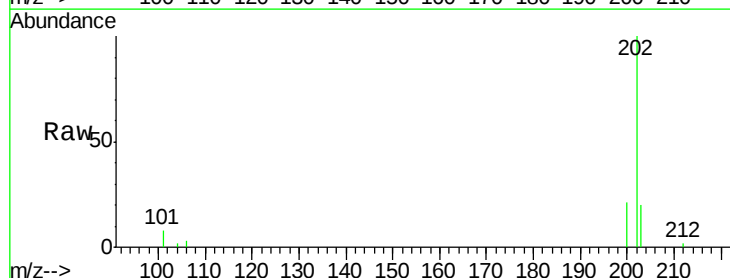
Tgt Ion:202 Resp: 771307

Ion Ratio Lower Upper

202 100

101 8.4 0.0 30.3

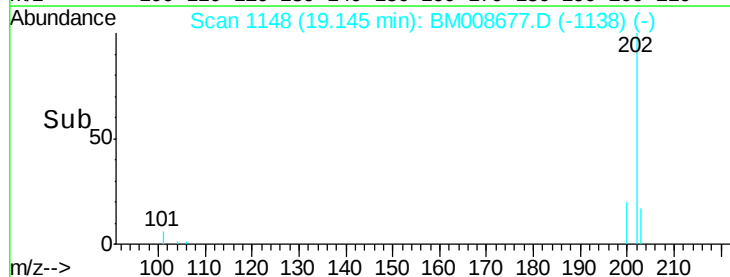
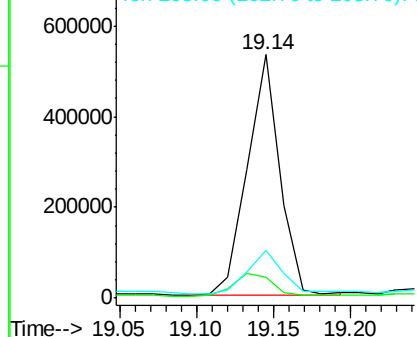
203 19.5 0.0 39.5

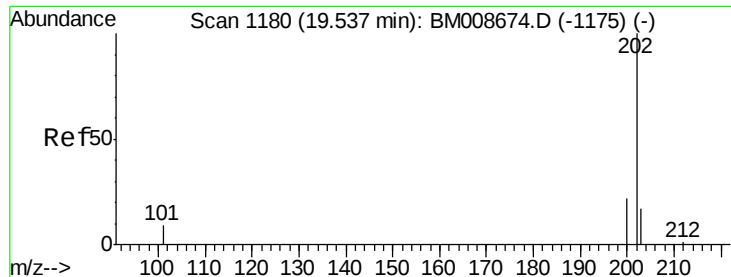


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

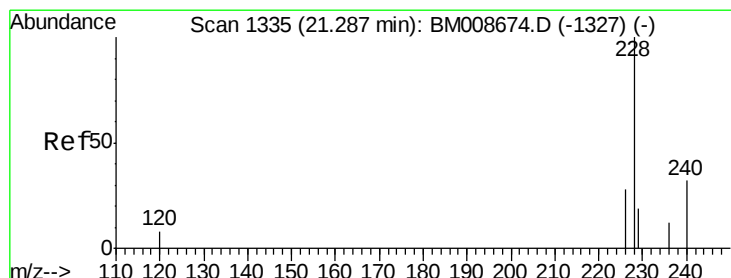
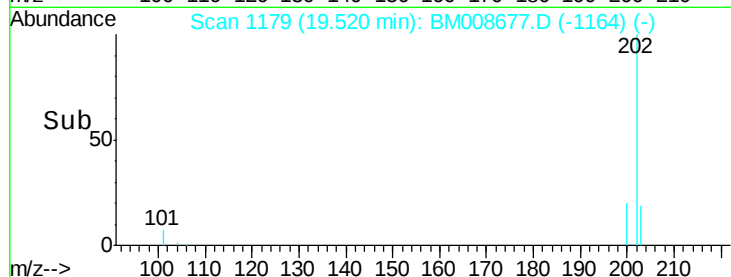
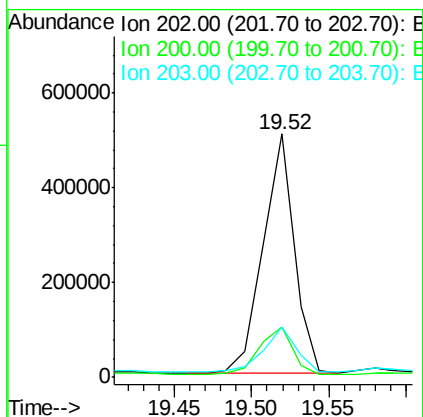
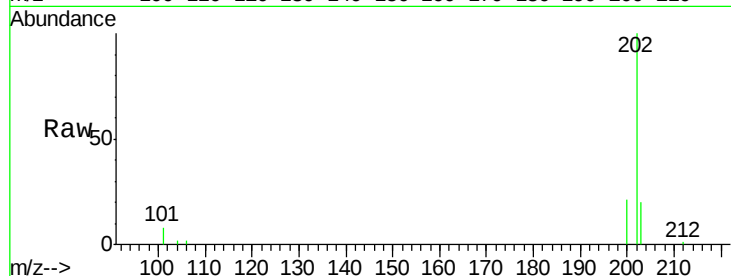




#17
 Pyrene
 Concen: 42.87 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.02 min
 Lab File: BM008677.D
 Acq: 27 Dec 2016 17:18

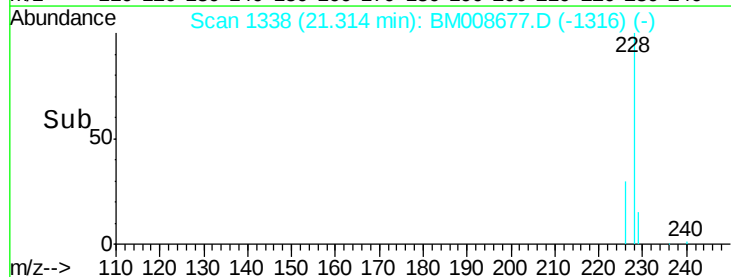
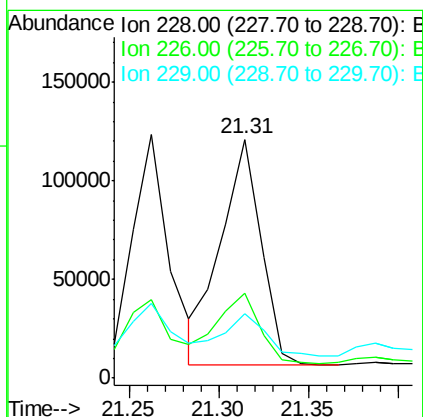
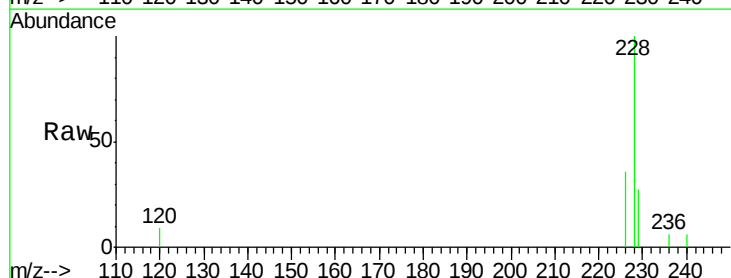
Instrument :
 BNA_M
 ClientSampleId :
 DA874

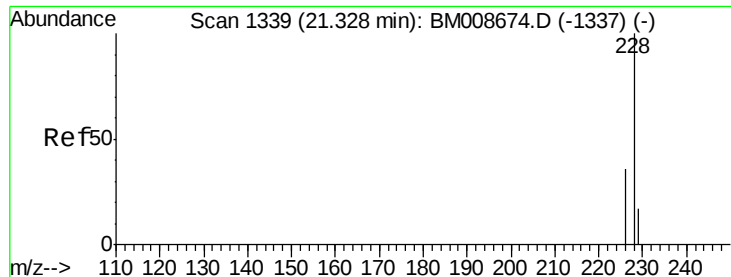
Tgt Ion: 202 Resp: 718210
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.2 27.4
 203 20.5 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 12.56 ng/ul
 RT: 21.31 min Scan# 1338
 Delta R.T. 0.03 min
 Lab File: BM008677.D
 Acq: 27 Dec 2016 17:18

Tgt Ion: 228 Resp: 178714
 Ion Ratio Lower Upper
 228 100
 226 35.7 22.8 34.2#
 229 27.1 17.0 25.6#





#19

Chrysene

Concen: 11.47 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874

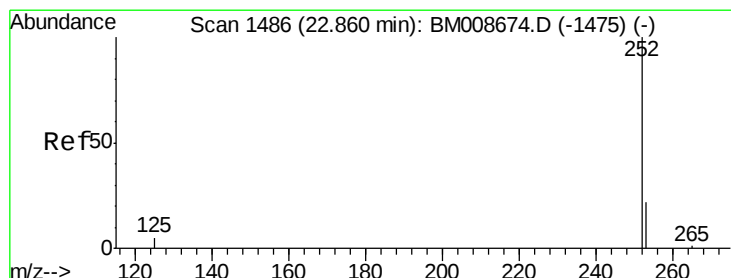
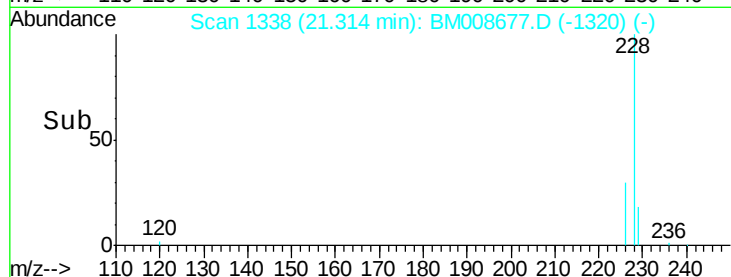
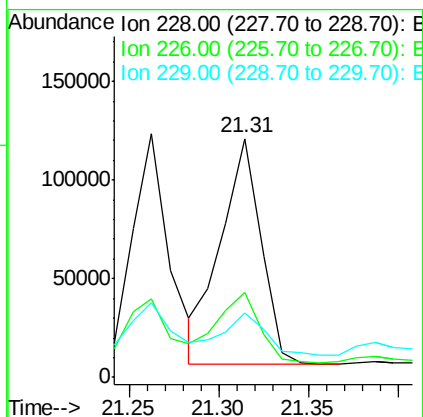
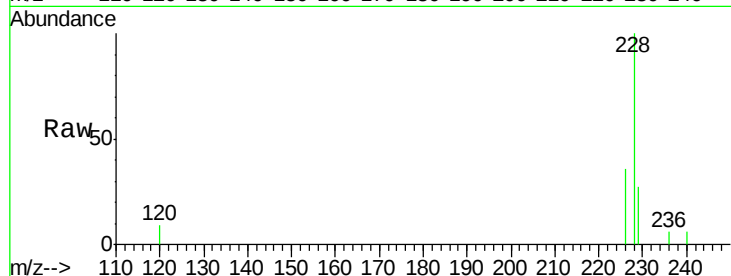
Tgt Ion:228 Resp: 178714

Ion Ratio Lower Upper

228 100

226 35.7 23.4 35.0#

229 27.1 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 24.67 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

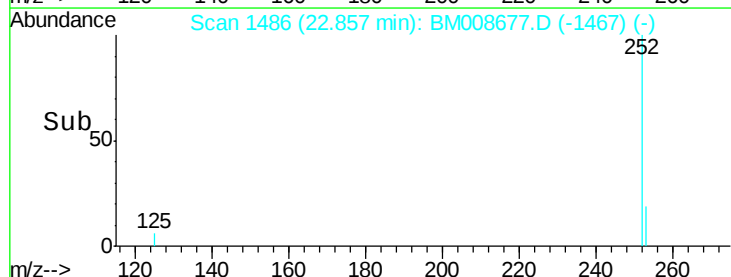
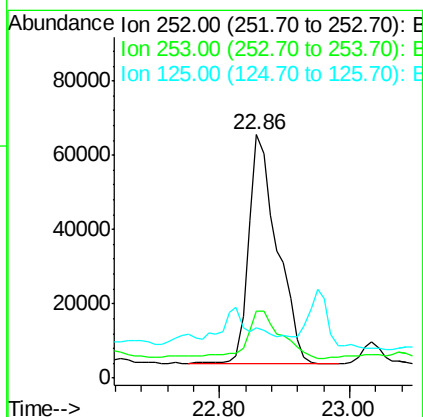
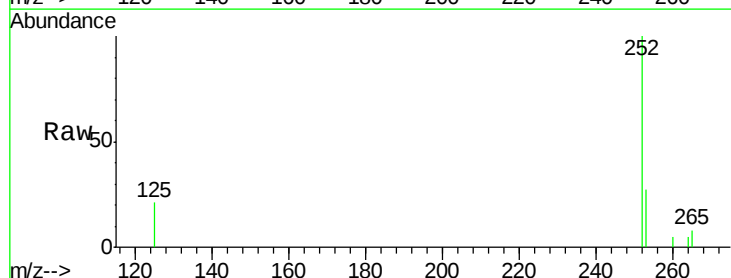
Tgt Ion:252 Resp: 187764

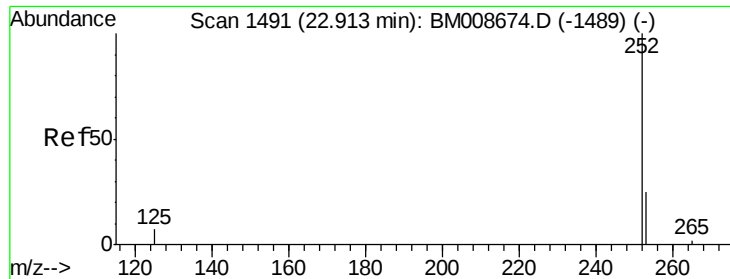
Ion Ratio Lower Upper

252 100

253 27.4 0.0 64.2

125 20.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 25.33 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.06 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874

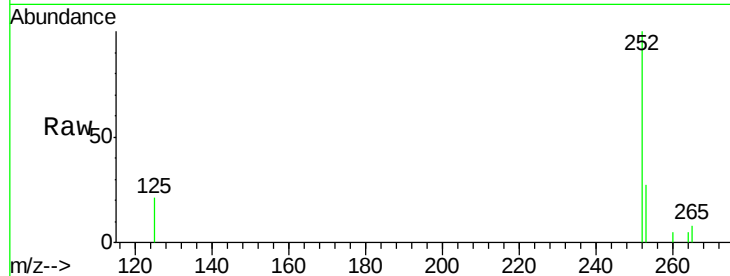
Tgt Ion:252 Resp: 187964

Ion Ratio Lower Upper

252 100

253 27.4 24.5 36.7

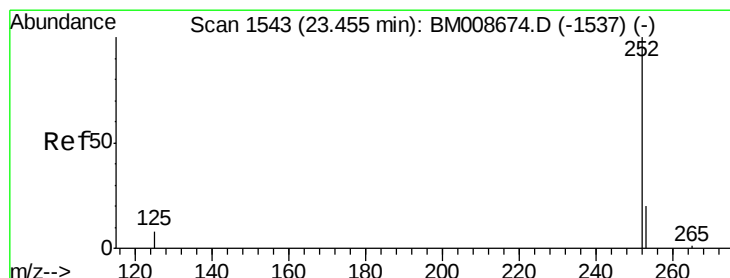
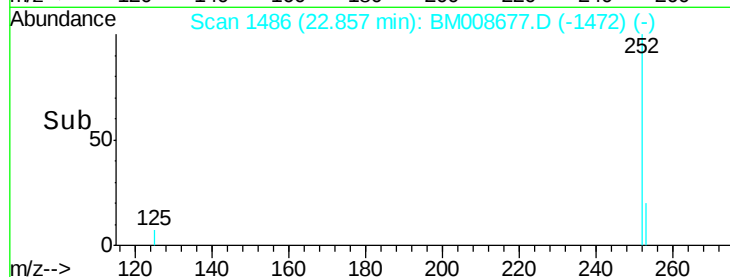
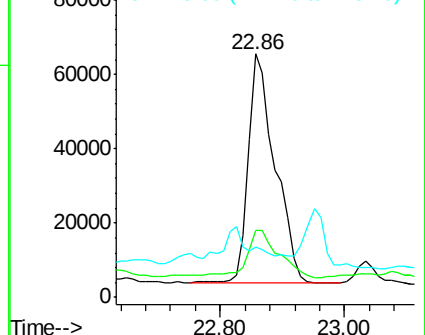
125 20.6 13.7 20.5#



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: 9.53 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

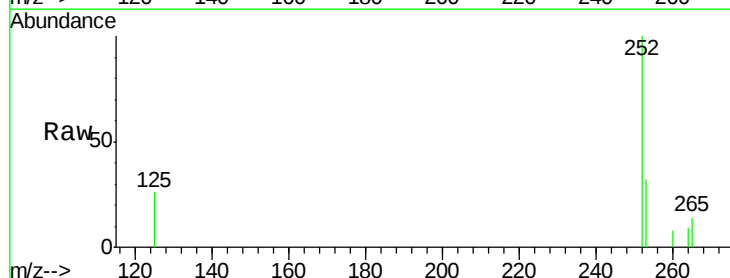
Tgt Ion:252 Resp: 67203

Ion Ratio Lower Upper

252 100

253 32.2 28.5 42.7

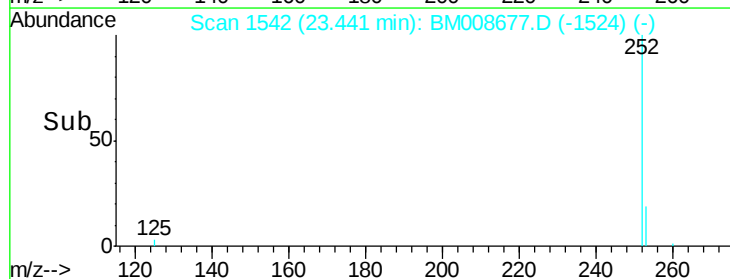
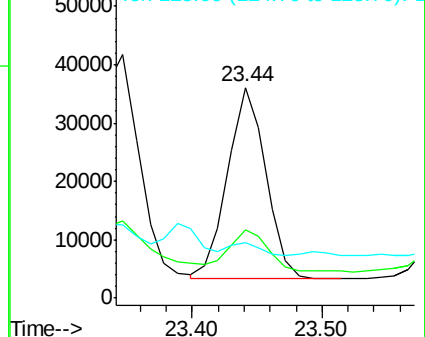
125 26.3 18.1 27.1

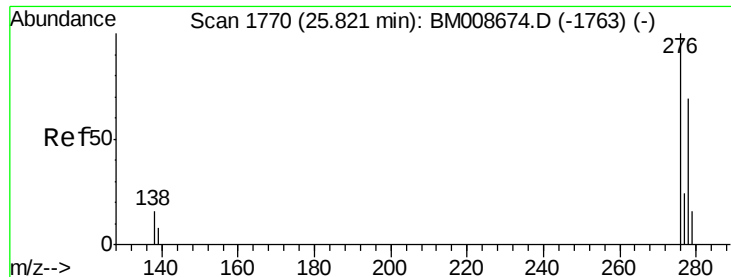


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.43 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874

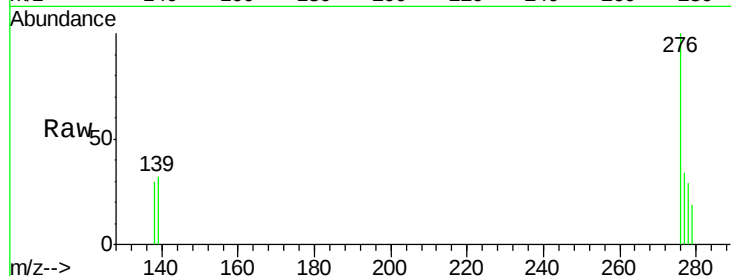
Tgt Ion:276 Resp: 37257

Ion Ratio Lower Upper

276 100

138 20.8 19.1 28.7

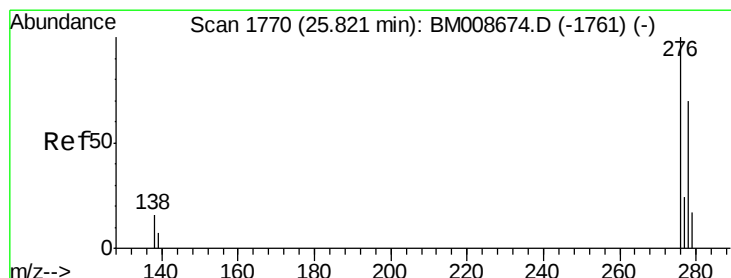
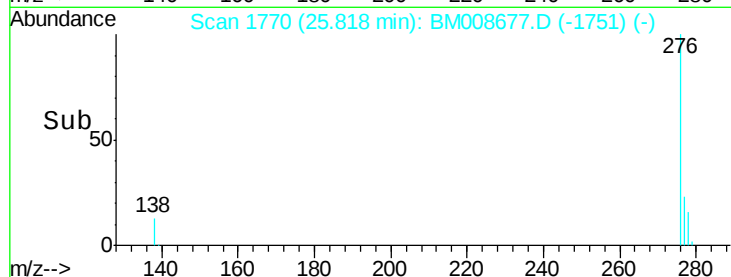
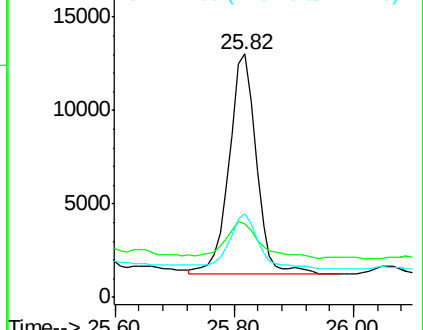
277 27.7 19.6 29.4



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: 1.73 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BM008677.D

Acq: 27 Dec 2016 17:18

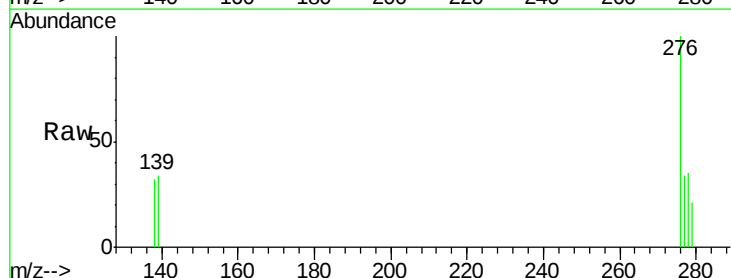
Tgt Ion:278 Resp: 11635

Ion Ratio Lower Upper

278 100

139 99.2 17.4 26.0#

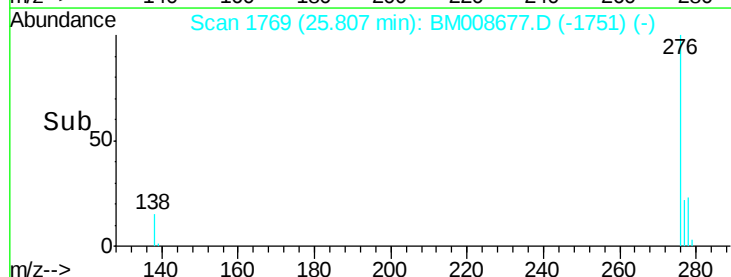
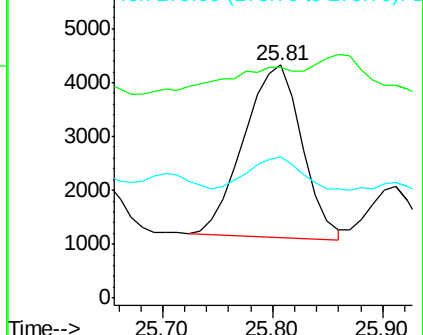
279 60.5 25.9 38.9#

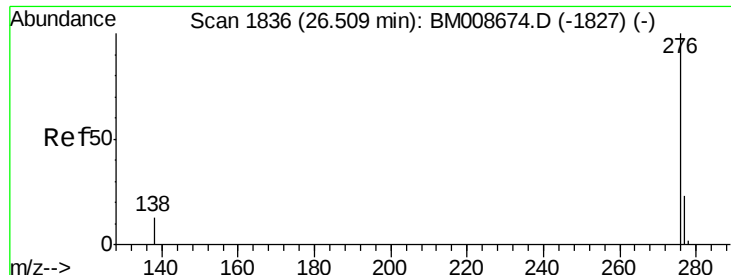


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.29 ng/ul

RT: 26.52 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BM008677.D

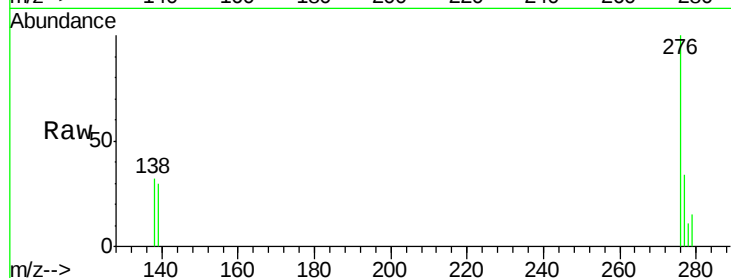
Acq: 27 Dec 2016 17:18

Instrument :

BNA_M

ClientSampleId :

DA874



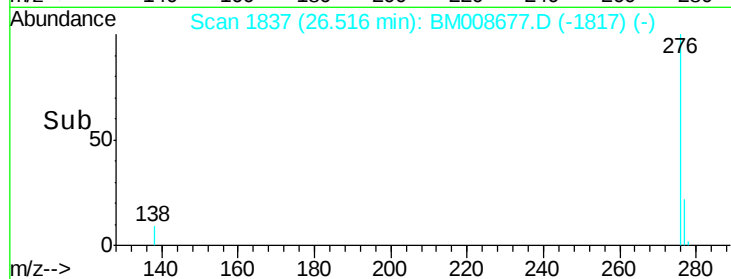
Tgt Ion: 276 Resp: 30951

Ion Ratio Lower Upper

276 100

277 33.9 21.8 32.8#

138 31.7 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

