

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008672.D
 Acq On : 25 Dec 2016 15:30
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

Quant Time: Dec 26 03:30:13 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

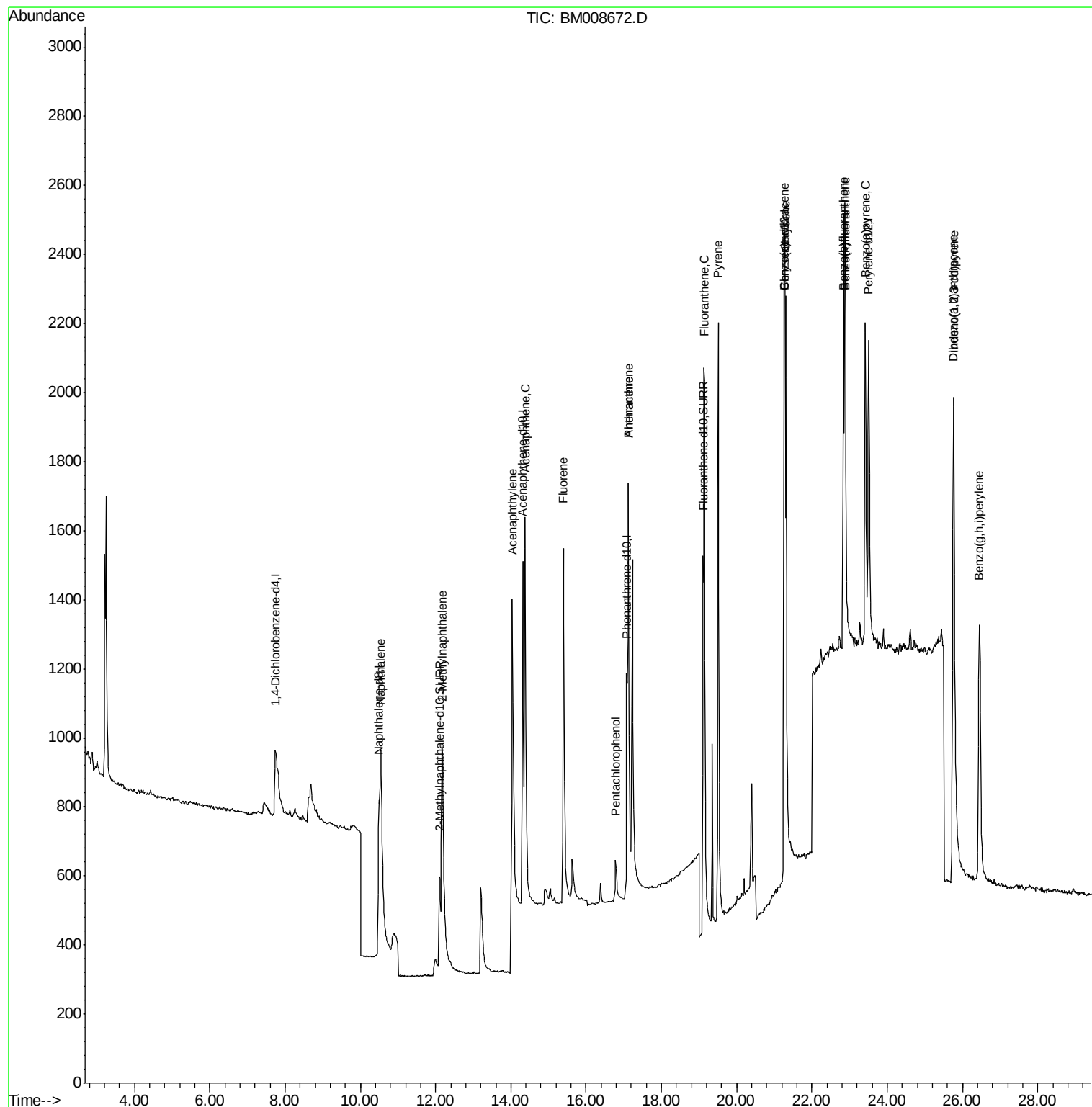
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	404	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.50	136	1441	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	909	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.09	188	1540	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	1536	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1473	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	853	0.39	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1669	0.39	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	1663	0.41	ng/ul#	81
5) 2-Methylnaphthalene	12.17	142	1045	0.38	ng/ul	92
7) Acenaphthylene	14.04	152	1686	0.41	ng/ul#	91
8) Acenaphthene	14.38	153	1221	0.39	ng/ul	96
9) Fluorene	15.39	166	1282	0.36	ng/ul	90
11) Pentachlorophenol	16.78	266	182	0.38	ng/ul	97
12) Phenanthrene	17.12	178	1852	0.39	ng/ul#	94
13) Anthracene	17.12	178	1852	0.41	ng/ul	95
15) Fluoranthene	19.14	202	2354	0.41	ng/ul	94
17) Pyrene	19.51	202	2485	0.42	ng/ul	95
18) Benzo(a)anthracene	21.26	228	1873	0.37	ng/ul#	88
19) Chrysene	21.30	228	2229	0.40	ng/ul#	87
21) Benzo(b)fluoranthene	22.84	252	2128	0.37	ng/ul	87
22) Benzo(k)fluoranthene	22.88	252	2244	0.40	ng/ul#	85
23) Benzo(a)pyrene	23.42	252	2171	0.40	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.77	276	2470	0.39	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.76	278	1948	0.38	ng/ul#	76
26) Benzo(g,h,i)perylene	26.44	276	2162	0.39	ng/ul#	91

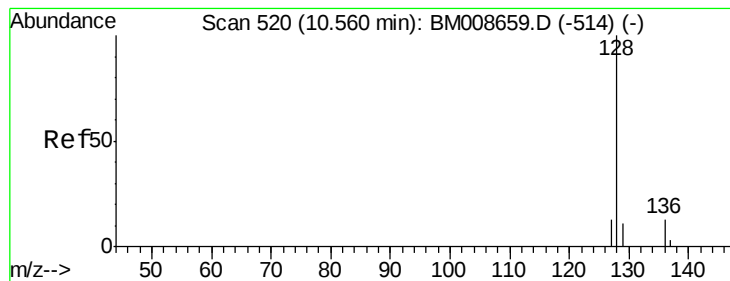
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

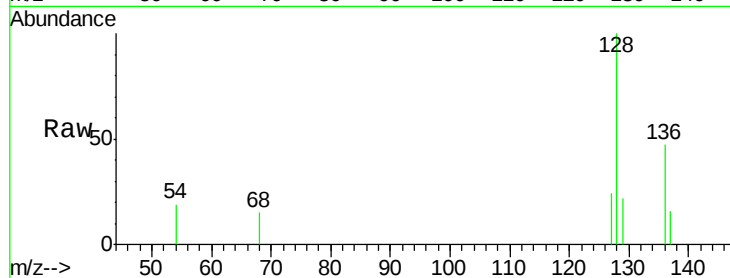
Tgt Ion:128 Resp: 1663

Ion Ratio Lower Upper

128 100

129 22.1 11.3 16.9#

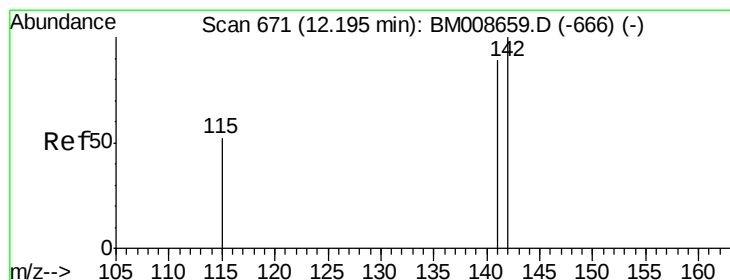
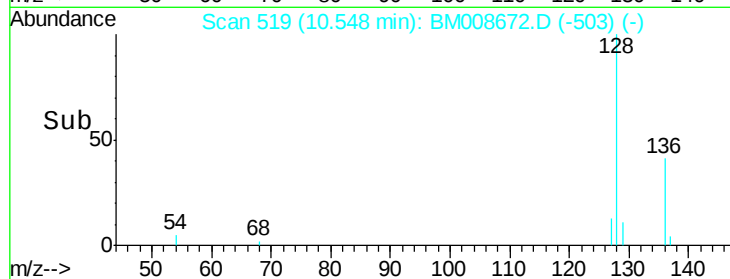
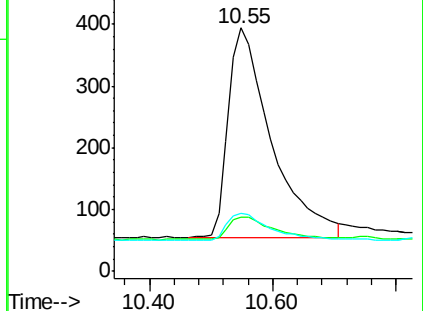
127 23.9 12.8 19.2#



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: 0.38 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM008672.D

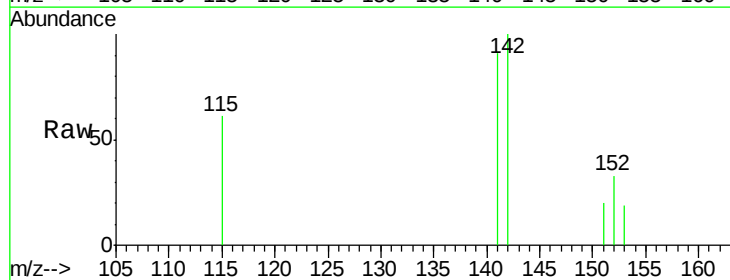
Acq: 25 Dec 2016 15:30

Tgt Ion:142 Resp: 1045

Ion Ratio Lower Upper

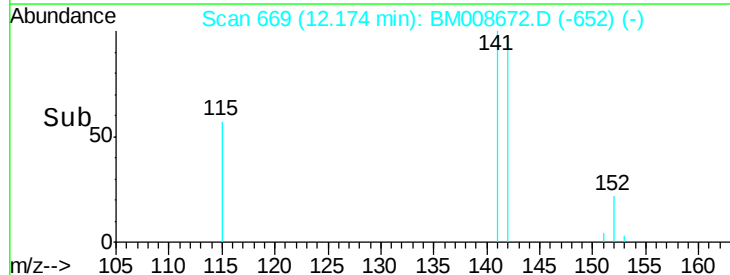
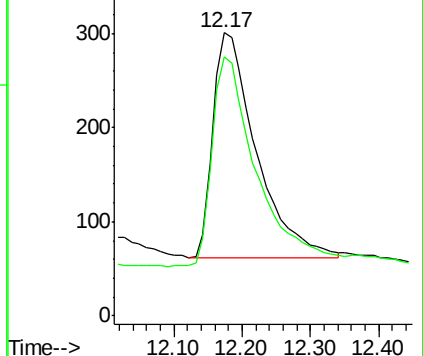
142 100

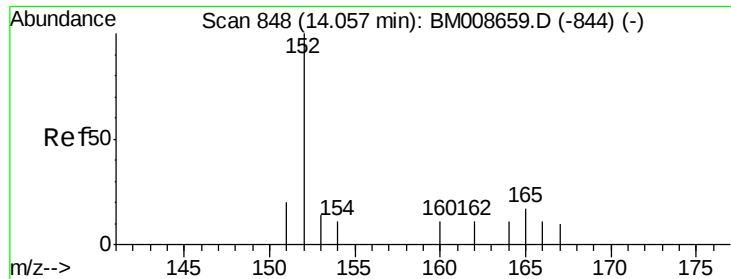
141 97.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

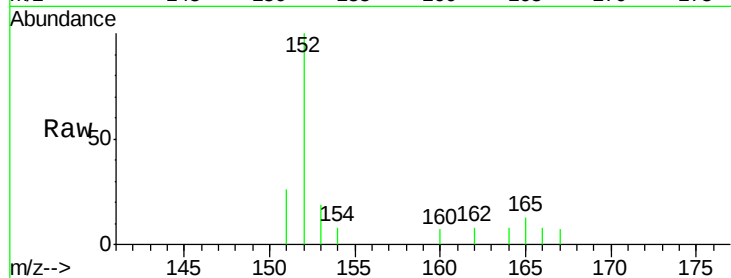
Tgt Ion:152 Resp: 1686

Ion Ratio Lower Upper

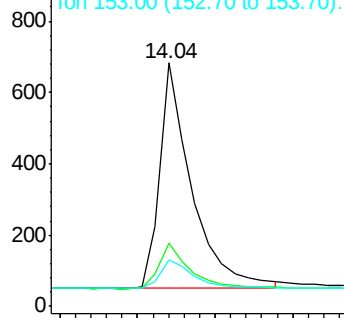
152 100

151 25.8 17.1 25.7#

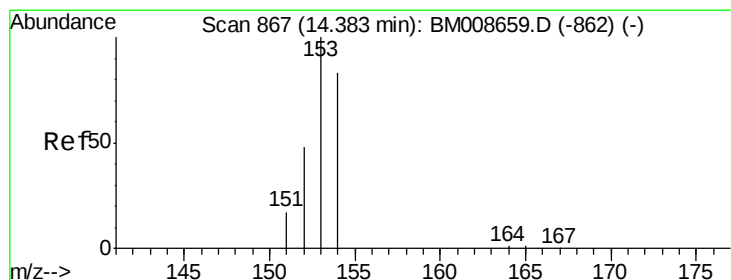
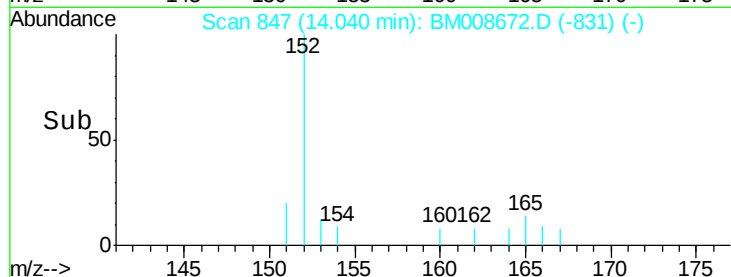
153 19.2 12.8 19.2



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



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

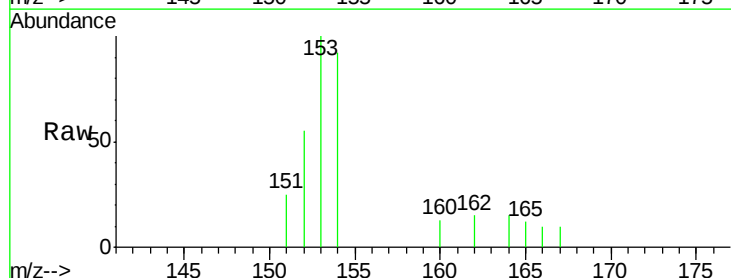
Tgt Ion:153 Resp: 1221

Ion Ratio Lower Upper

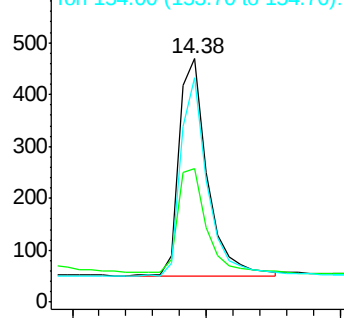
153 100

152 55.0 40.3 60.5

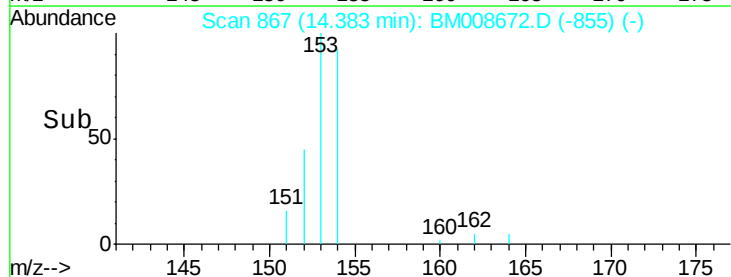
154 92.1 71.4 107.2

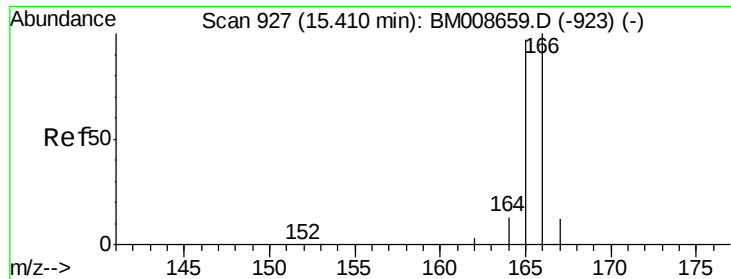


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.40





#9

Fluorene

Concen: 0.36 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

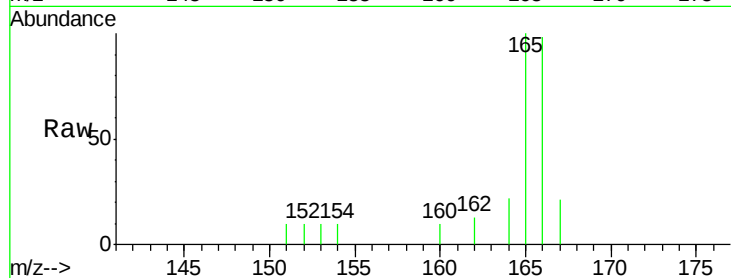
Tgt Ion:166 Resp: 1282

Ion Ratio Lower Upper

166 100

165 102.2 73.4 110.2

167 21.8 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

15.39

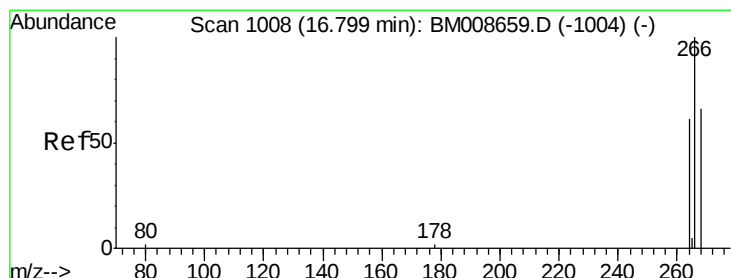
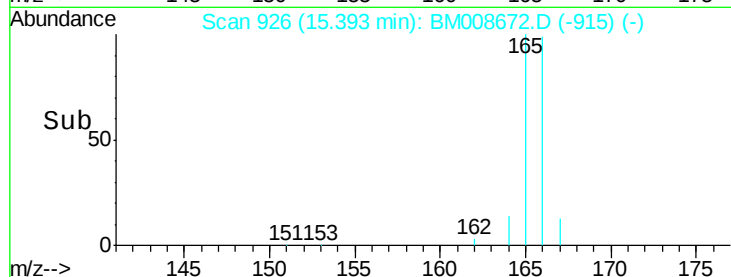
400

200

0

Time-->

15.30 15.40 15.50



#11

Pentachlorophenol

Concen: 0.38 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

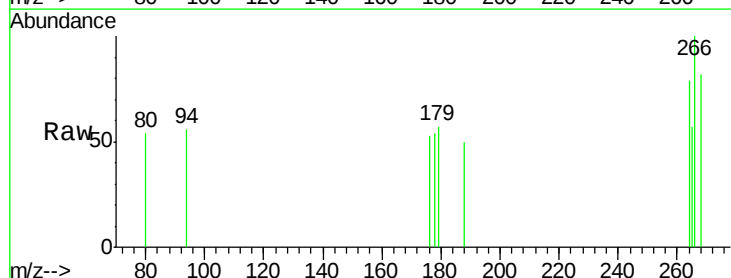
Tgt Ion:266 Resp: 182

Ion Ratio Lower Upper

266 100

264 62.6 47.9 71.9

268 63.7 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.78

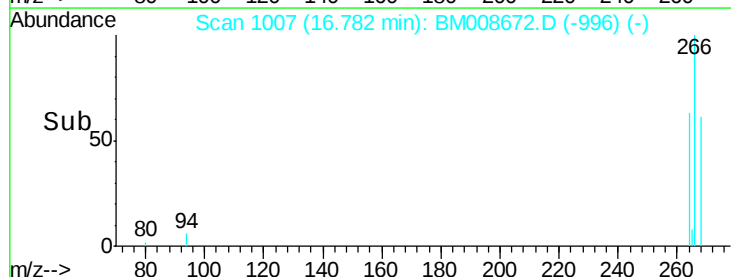
100

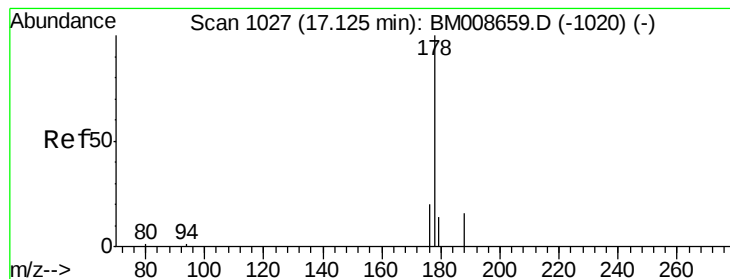
50

0

Time-->

16.80 17.00





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

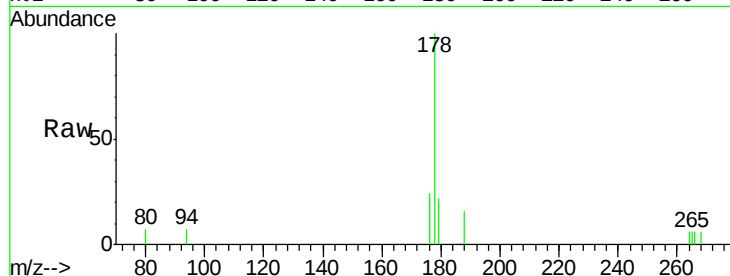
Tgt Ion:178 Resp: 1852

Ion Ratio Lower Upper

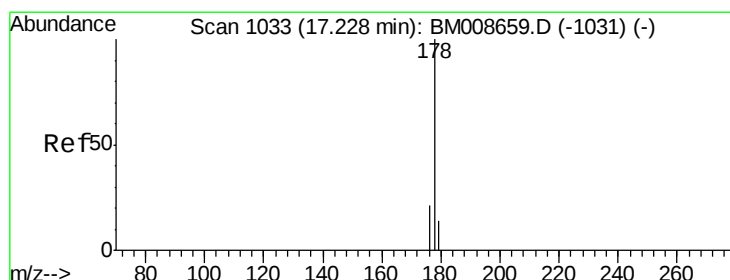
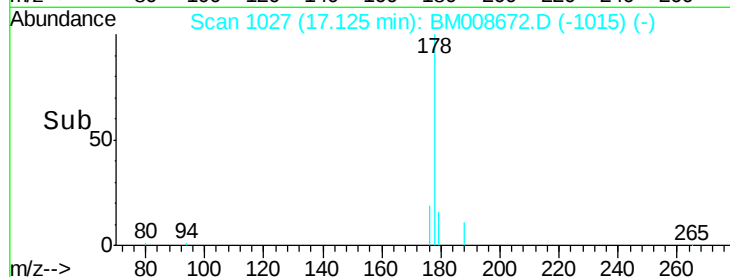
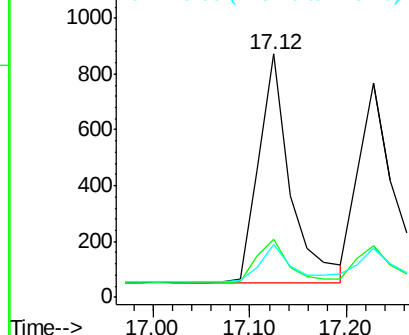
178 100

176 24.1 18.4 27.6

179 21.6 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: 0.41 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.10 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

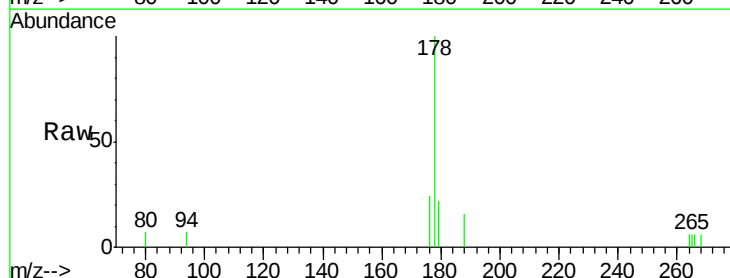
Tgt Ion:178 Resp: 1852

Ion Ratio Lower Upper

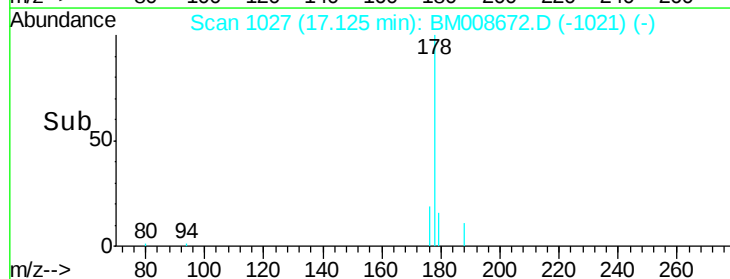
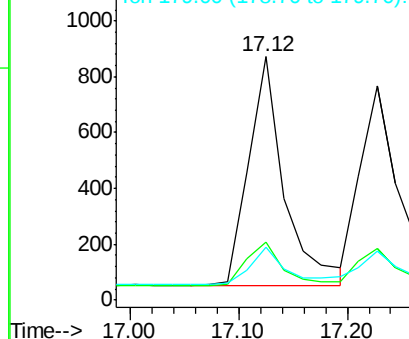
178 100

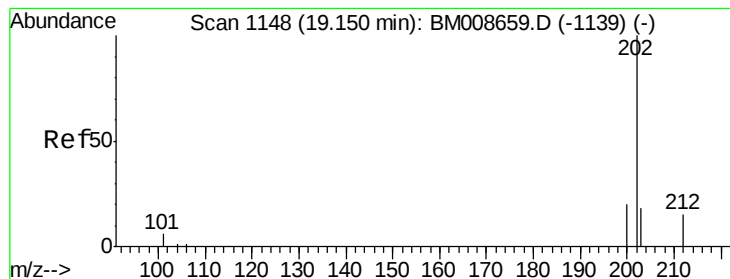
176 24.1 18.1 27.1

179 21.6 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: 0.41 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

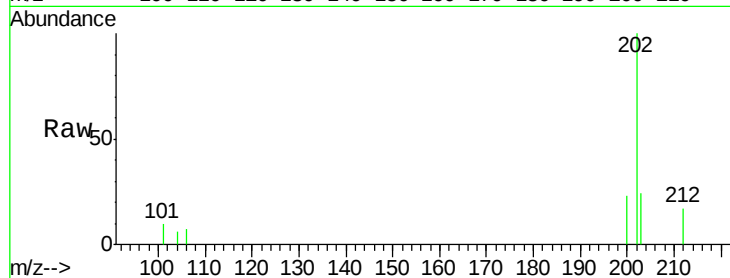
Tgt Ion:202 Resp: 2354

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

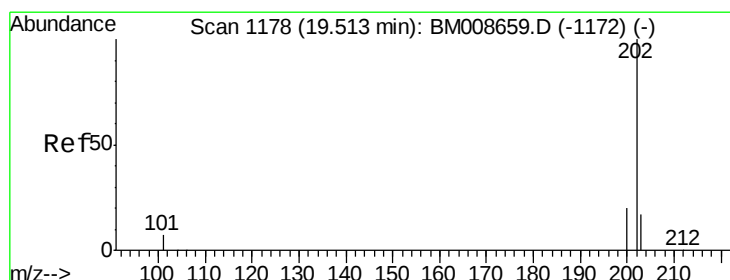
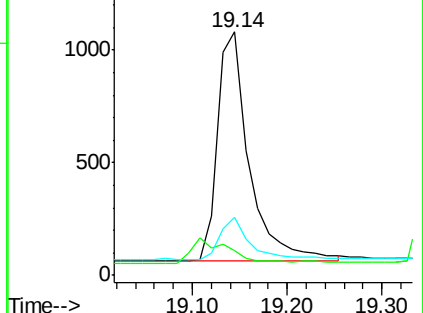
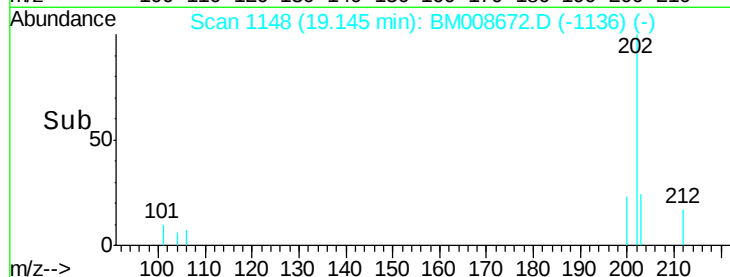
203 23.9 0.0 39.5



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: 0.42 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

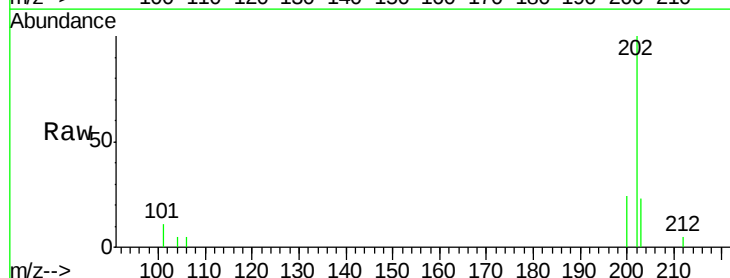
Tgt Ion:202 Resp: 2485

Ion Ratio Lower Upper

202 100

200 23.9 18.2 27.4

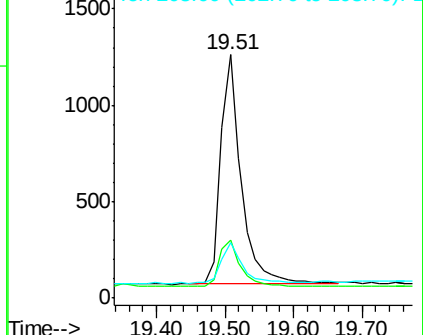
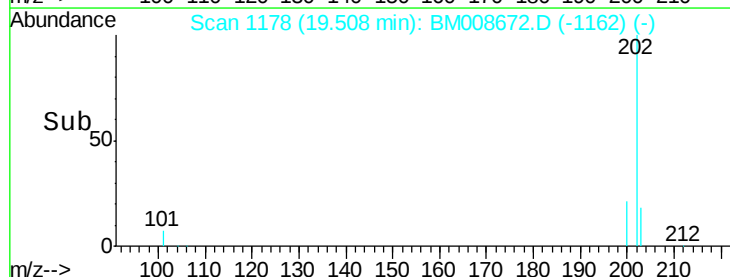
203 22.7 15.6 23.4

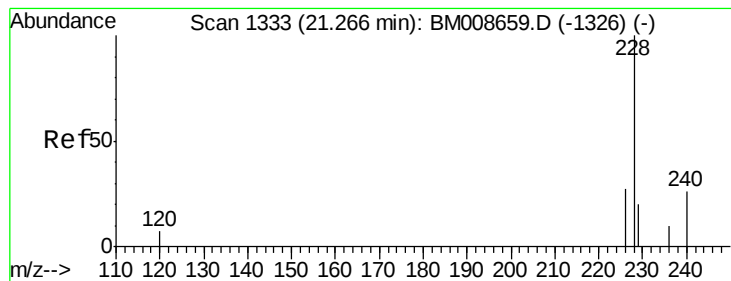


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

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ClientSampleId :

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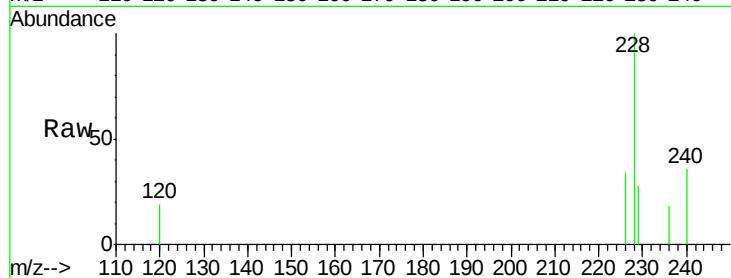
Tgt Ion:228 Resp: 1873

Ion Ratio Lower Upper

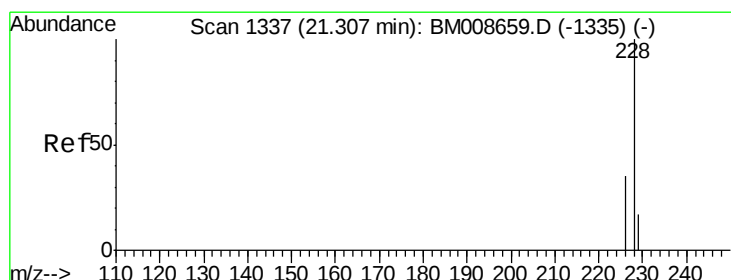
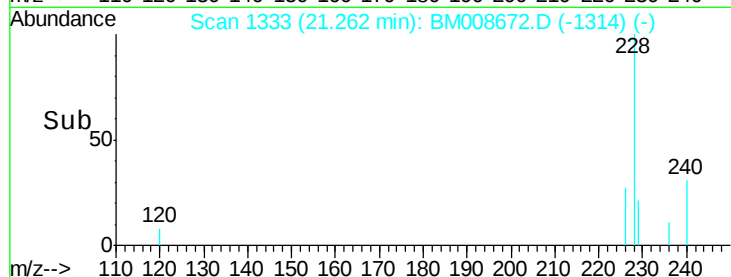
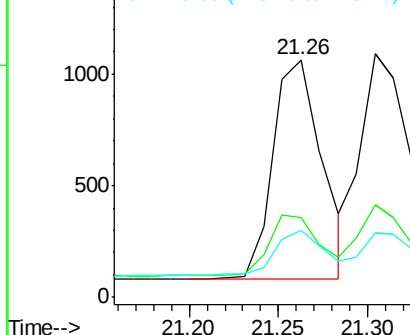
228 100

226 33.7 22.8 34.2

229 28.2 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: 0.40 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

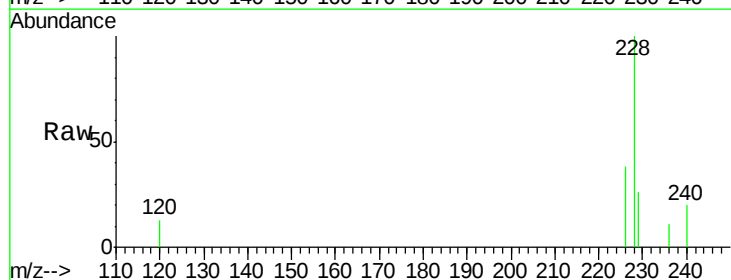
Tgt Ion:228 Resp: 2229

Ion Ratio Lower Upper

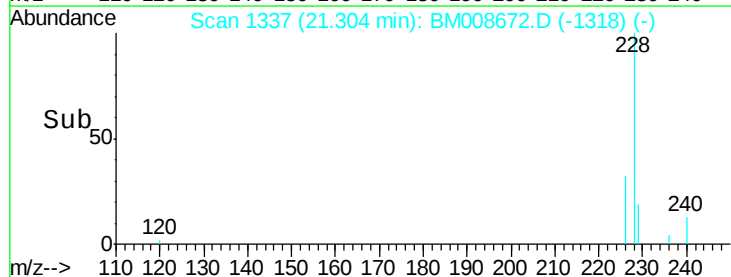
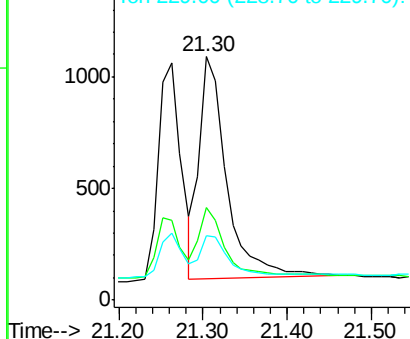
228 100

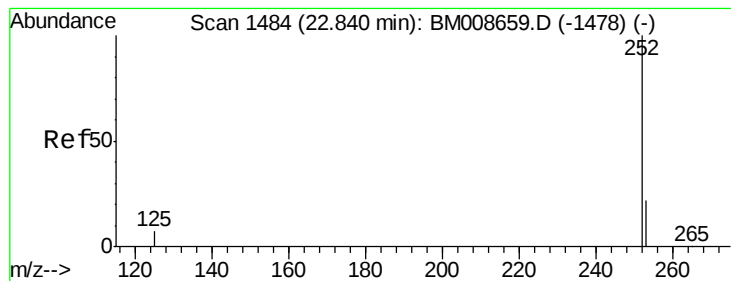
226 37.9 23.4 35.0#

229 26.5 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





#21

Benzo(b)fluoranthene

Concen: 0.37 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

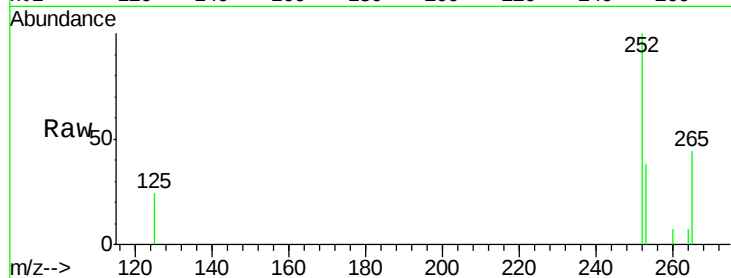
Tgt Ion:252 Resp: 2128

Ion Ratio Lower Upper

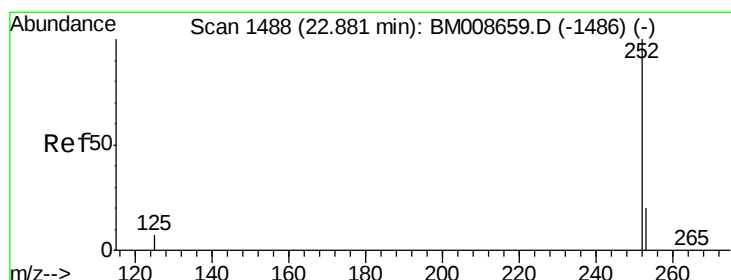
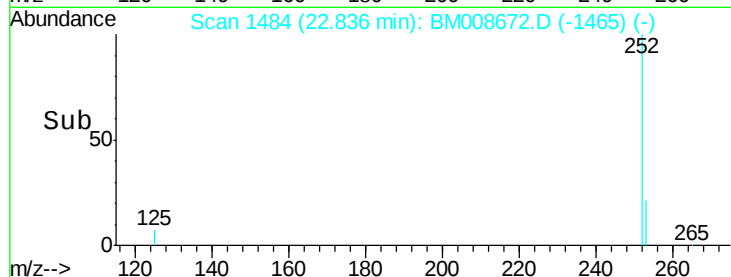
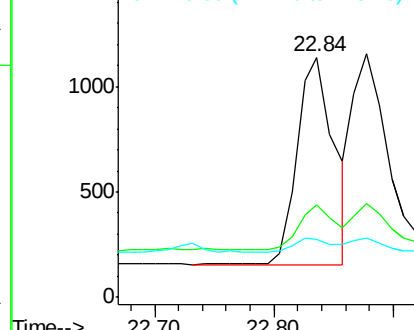
252 100

253 38.3 0.0 64.2

125 24.3 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

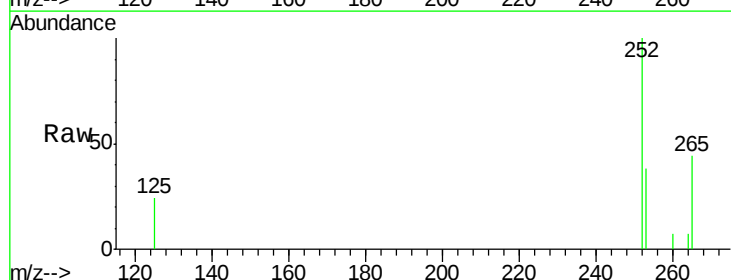
Tgt Ion:252 Resp: 2244

Ion Ratio Lower Upper

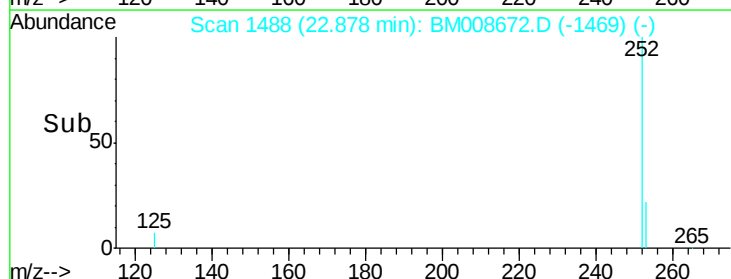
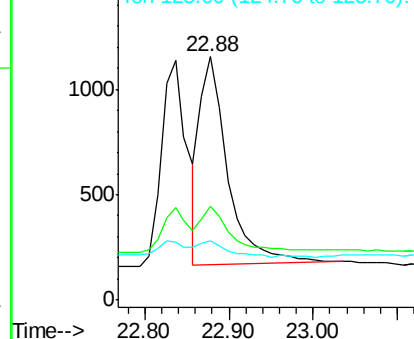
252 100

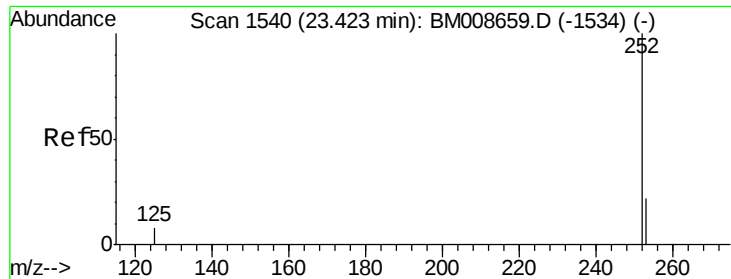
253 38.5 24.5 36.7#

125 24.3 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: 0.40 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

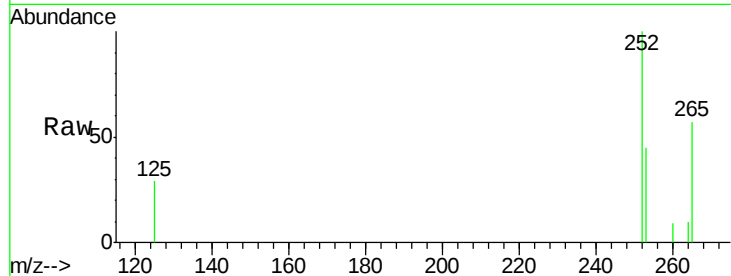
Tgt Ion: 252 Resp: 2171

Ion Ratio Lower Upper

252 100

253 44.9 28.5 42.7#

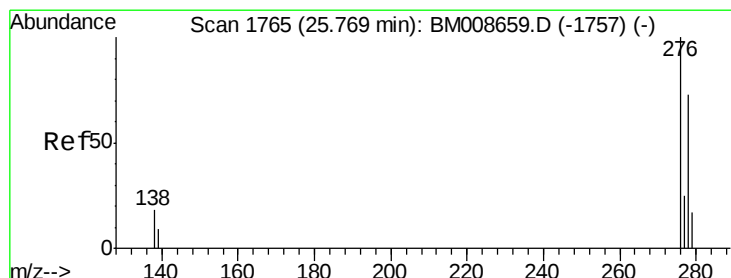
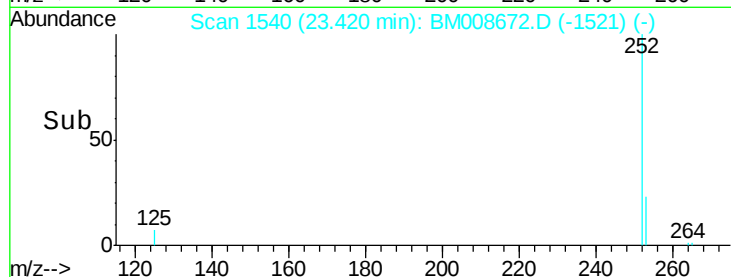
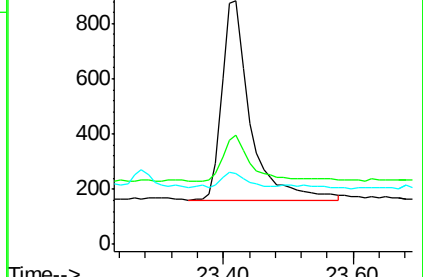
125 28.9 18.1 27.1#



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: 0.39 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BM008672.D

Acq: 25 Dec 2016 15:30

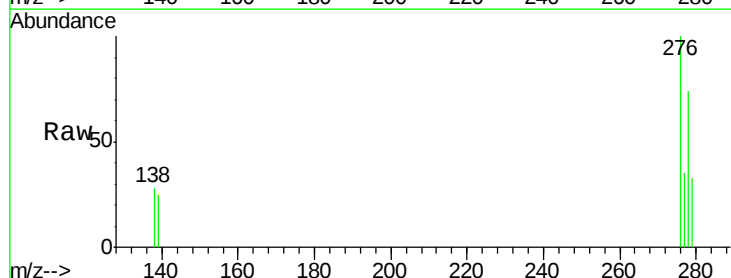
Tgt Ion: 276 Resp: 2470

Ion Ratio Lower Upper

276 100

138 17.8 19.1 28.7#

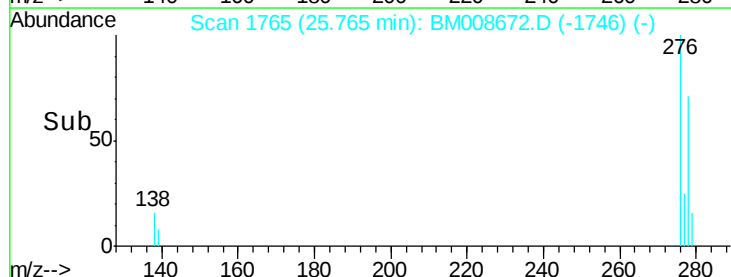
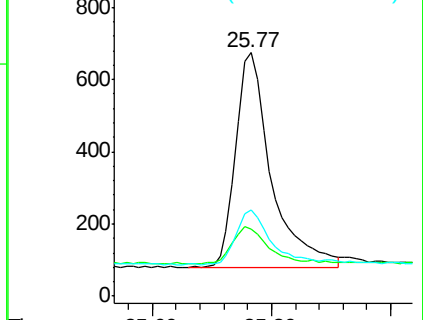
277 25.3 19.6 29.4

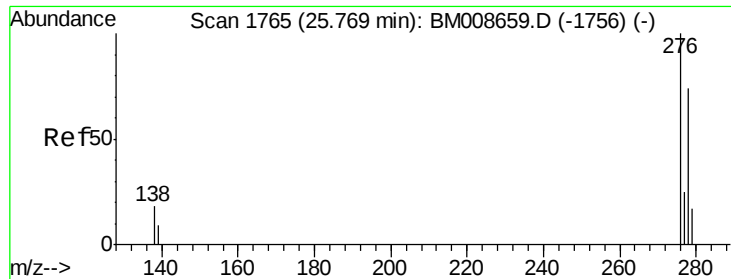


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



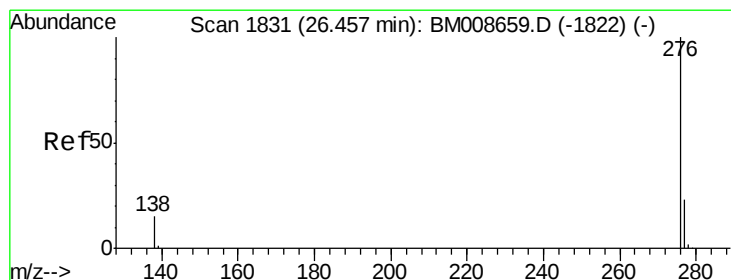
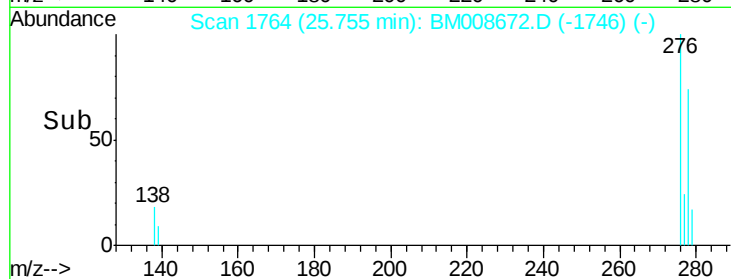
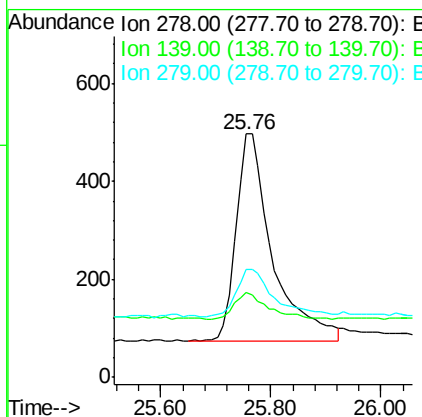
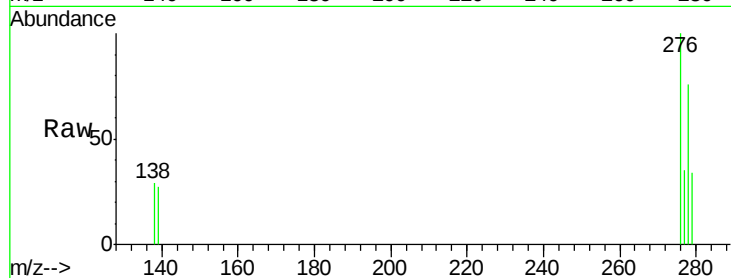


#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.76 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BM008672.D
Acq: 25 Dec 2016 15:30

Instrument :
BNA_M
ClientSampleId :
SSTD0.435

Tgt Ion: 278 Resp: 1948

Ion	Ratio	Lower	Upper
278	100		
139	34.8	17.4	26.0#
279	44.3	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.44 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BM008672.D
Acq: 25 Dec 2016 15:30

Tgt Ion: 276 Resp: 2162

Ion	Ratio	Lower	Upper
276	100		
277	33.8	21.8	32.8#
138	28.4	20.5	30.7

