

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
 Data File : BM008684.D
 Acq On : 27 Dec 2016 21:41
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.437

Quant Time: Dec 28 03:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	7.77	152	244	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.52	136	841	0.40	ng/ul	-0.05
6) Acenaphthene-d10	14.31	164	540	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.09	188	1097	0.40	ng/ul	-0.03
16) Chrysene-d12	21.27	240	1217	0.40	ng/ul	-0.02
20) Perylene-d12	23.51	264	1073	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	535	0.41	ng/ul	-0.05
14) Fluoranthene-d10	19.12	212	1239	0.41	ng/ul	-0.03

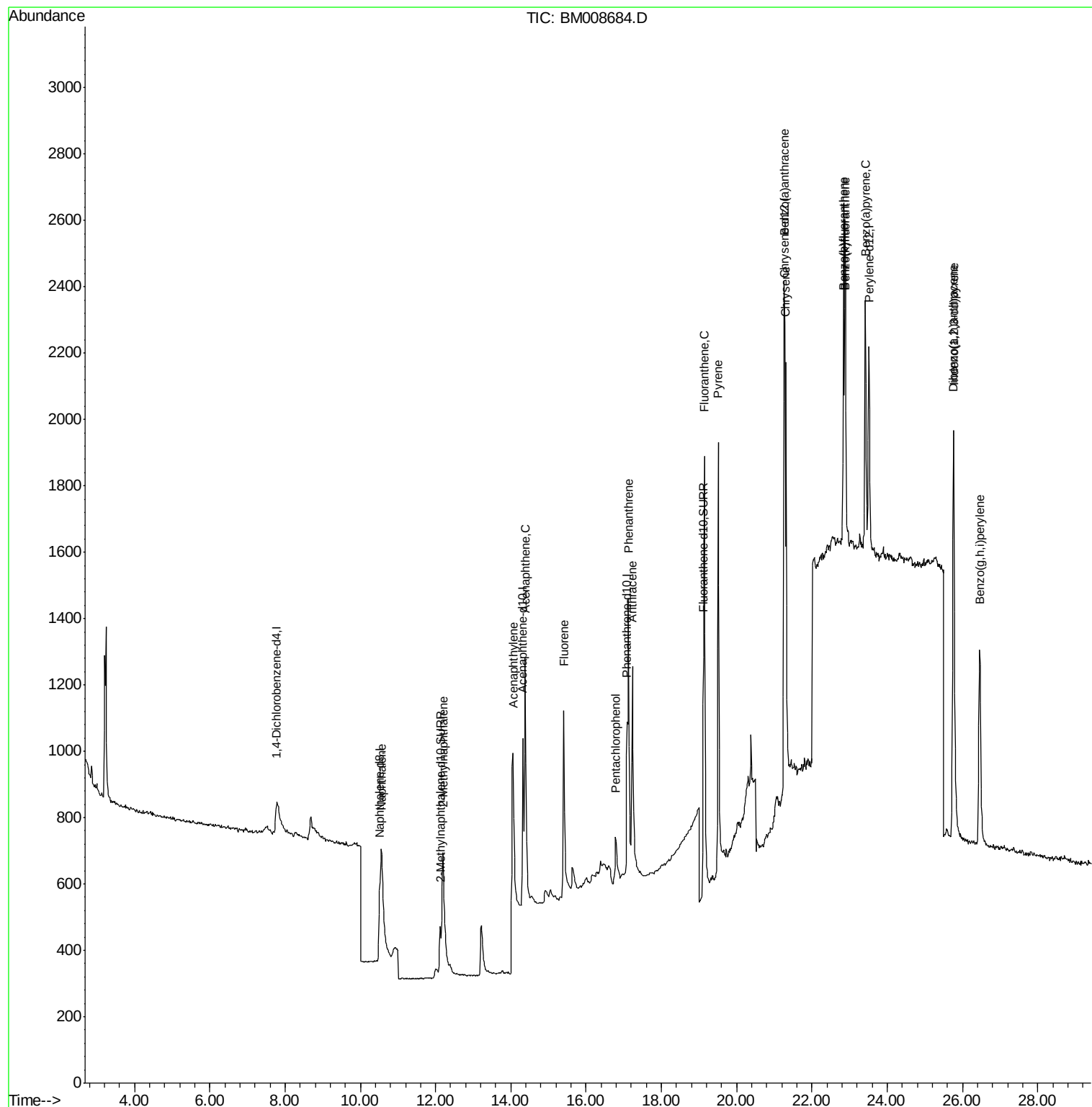
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	965	0.41	ng/ul#	61
5) 2-Methylnaphthalene	12.19	142	638	0.40	ng/ul	92
7) Acenaphthylene	14.06	152	1050	0.43	ng/ul#	80
8) Acenaphthene	14.38	153	749	0.41	ng/ul	96
9) Fluorene	15.41	166	829	0.40	ng/ul#	90
11) Pentachlorophenol	16.78	266	168	0.49	ng/ul	97
12) Phenanthrene	17.12	178	1279	0.38	ng/ul#	85
13) Anthracene	17.23	178	1311	0.40	ng/ul#	85
15) Fluoranthene	19.14	202	1711	0.42	ng/ul	87
17) Pyrene	19.51	202	1939	0.41	ng/ul#	88
18) Benzo(a)anthracene	21.26	228	1526	0.38	ng/ul#	76
19) Chrysene	21.30	228	1660	0.38	ng/ul#	74
21) Benzo(b)fluoranthene	22.84	252	1537	0.36	ng/ul	70
22) Benzo(k)fluoranthene	22.88	252	1649	0.40	ng/ul#	66
23) Benzo(a)pyrene	23.42	252	1584	0.40	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	25.77	276	1875	0.40	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.76	278	1485	0.40	ng/ul#	62
26) Benzo(g,h,i)perylene	26.45	276	1571	0.39	ng/ul#	79

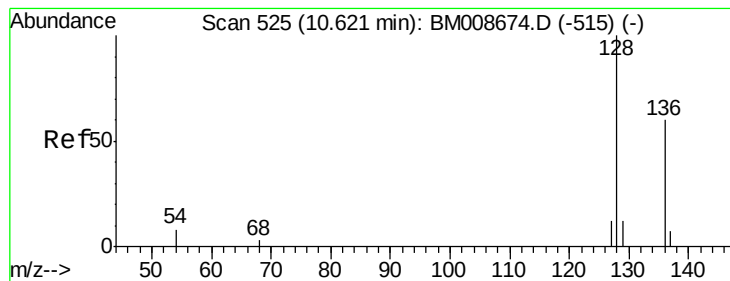
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 521

Delta R.T. -0.05 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

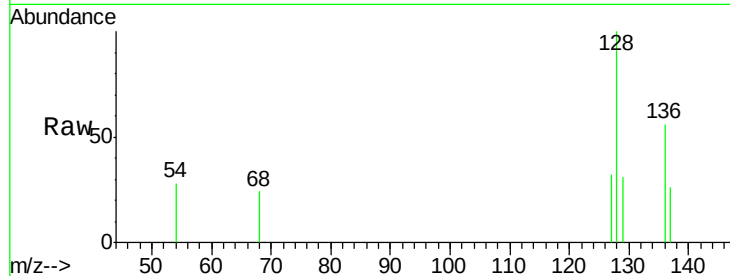
Tgt Ion:128 Resp: 965

Ion Ratio Lower Upper

128 100

129 31.2 11.3 16.9#

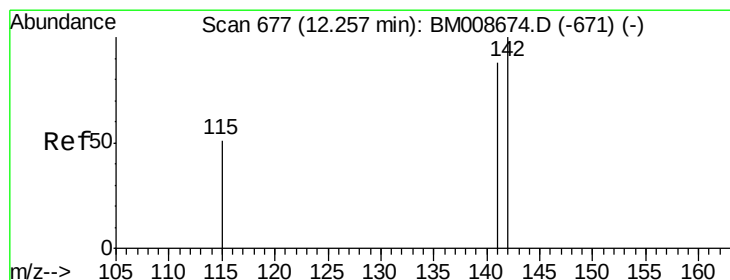
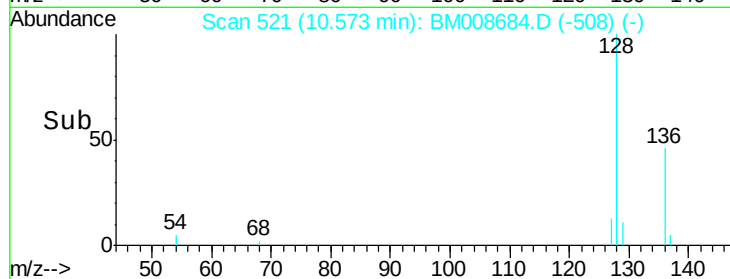
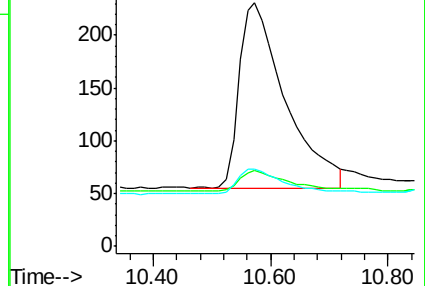
127 31.6 12.8 19.2#



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: 0.40 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. -0.06 min

Lab File: BM008684.D

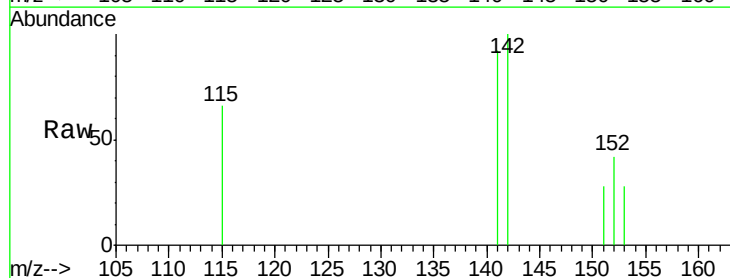
Acq: 27 Dec 2016 21:41

Tgt Ion:142 Resp: 638

Ion Ratio Lower Upper

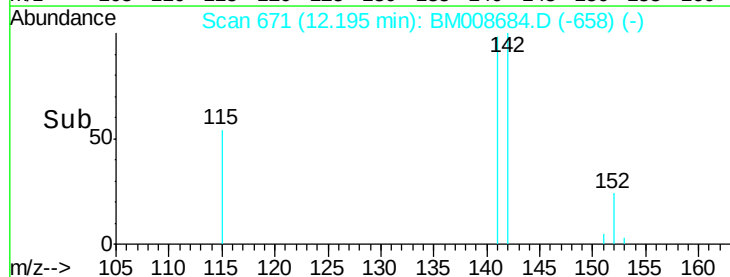
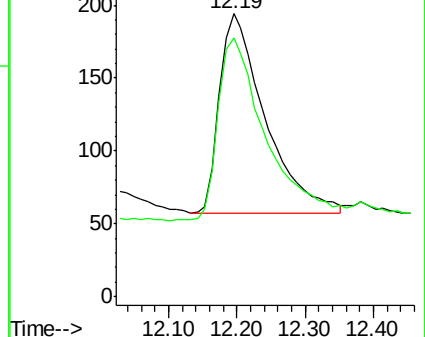
142 100

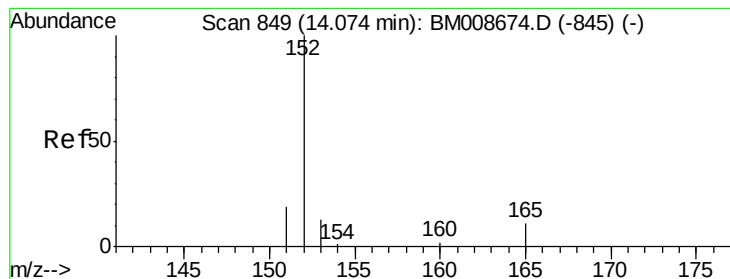
141 98.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

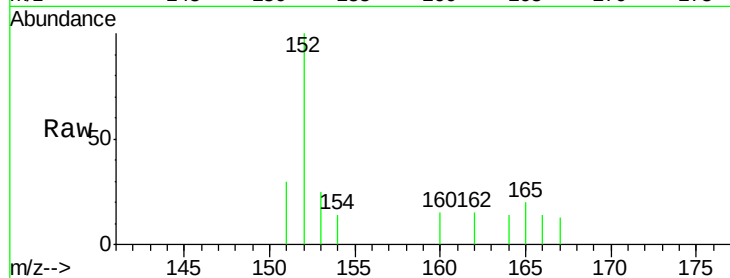
Tgt Ion:152 Resp: 1050

Ion Ratio Lower Upper

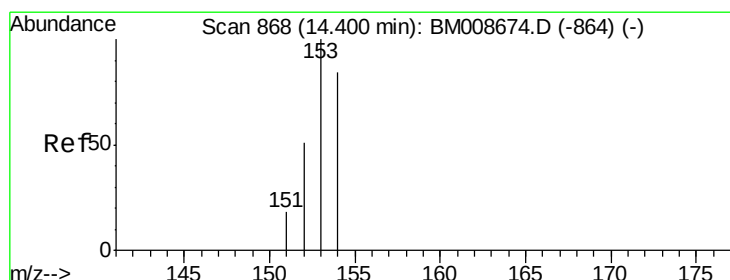
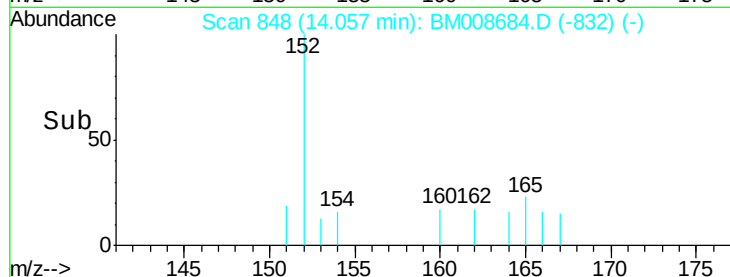
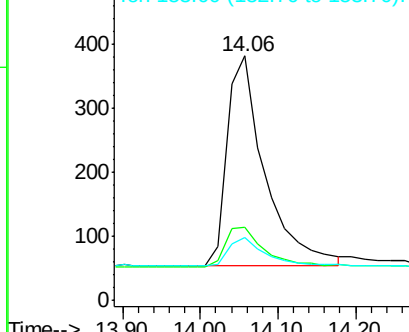
152 100

151 29.8 17.1 25.7#

153 25.4 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: 0.41 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

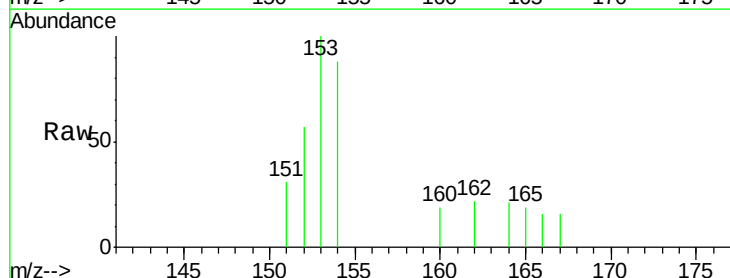
Tgt Ion:153 Resp: 749

Ion Ratio Lower Upper

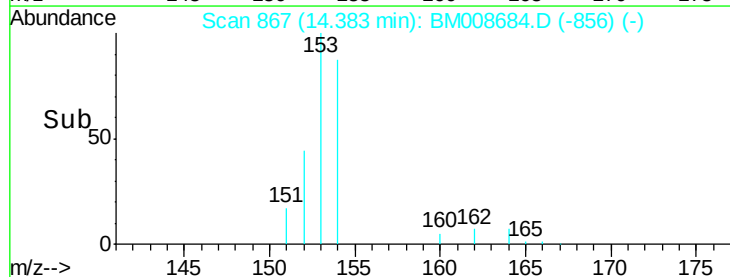
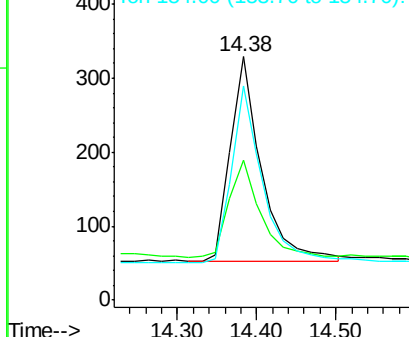
153 100

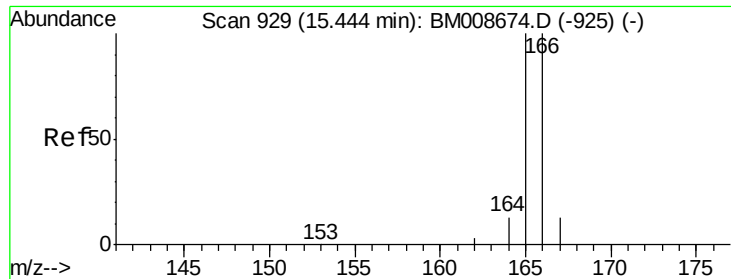
152 57.4 40.3 60.5

154 88.1 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

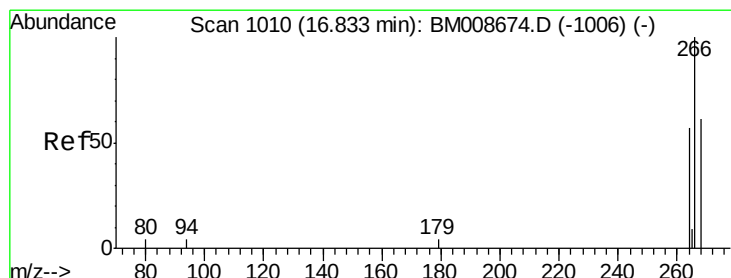
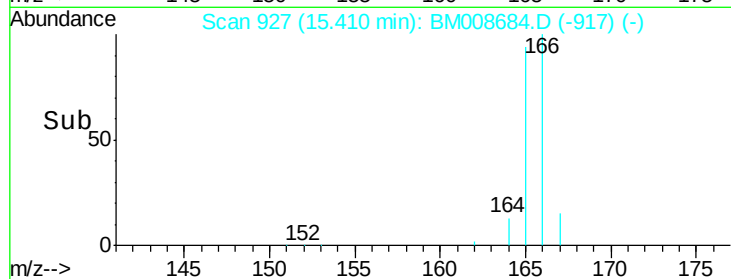
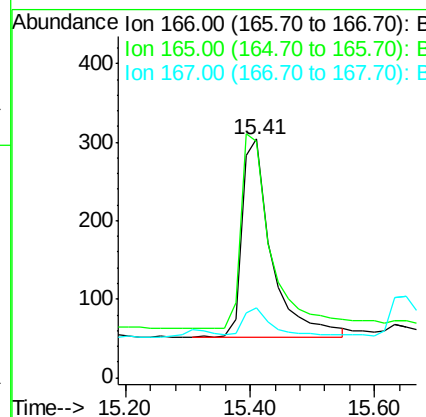
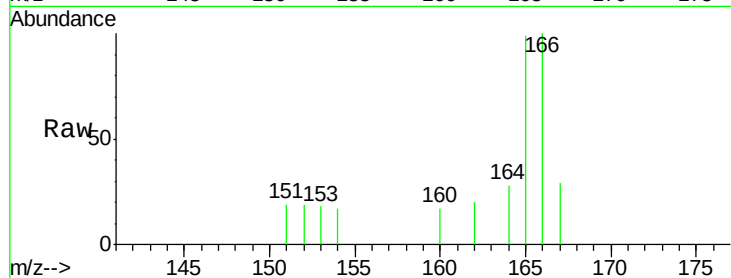




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.03 min
 Lab File: BM008684.D
 Acq: 27 Dec 2016 21:41

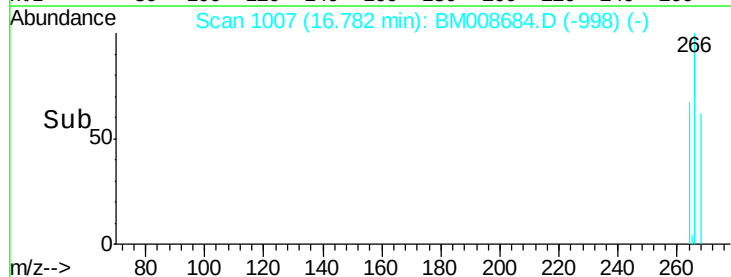
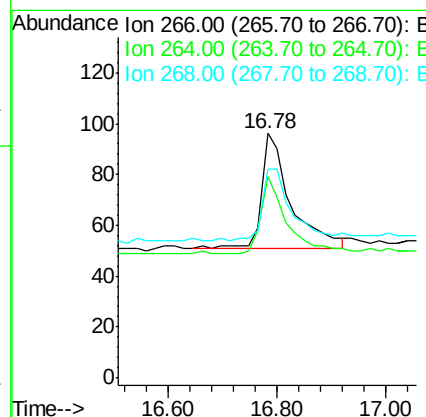
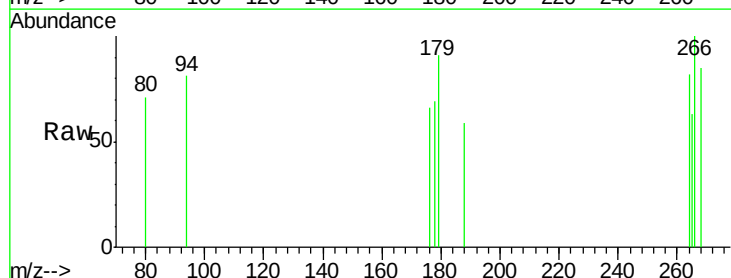
Instrument :
 BNA_M
 ClientSampleId :
 SST0.437

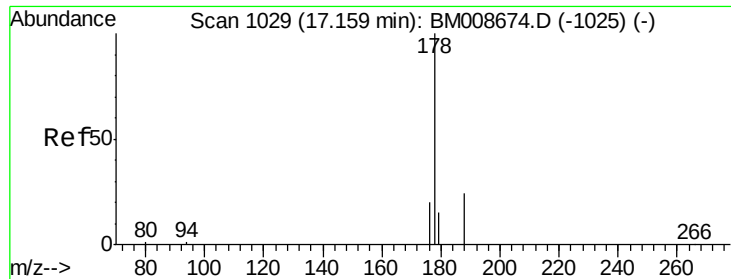
Tgt Ion:166 Resp: 829
 Ion Ratio Lower Upper
 166 100
 165 99.0 73.4 110.2
 167 29.3 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.05 min
 Lab File: BM008684.D
 Acq: 27 Dec 2016 21:41

Tgt Ion:266 Resp: 168
 Ion Ratio Lower Upper
 266 100
 264 60.1 47.9 71.9
 268 66.1 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

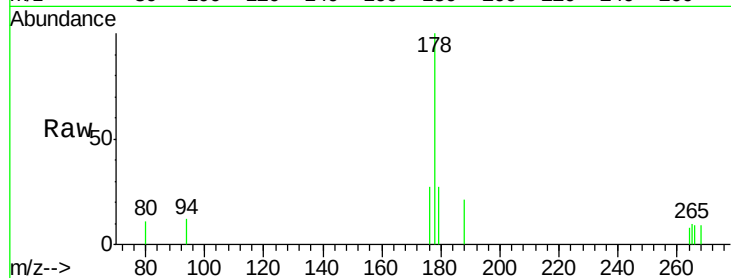
Tgt Ion:178 Resp: 1279

Ion Ratio Lower Upper

178 100

176 27.0 18.4 27.6

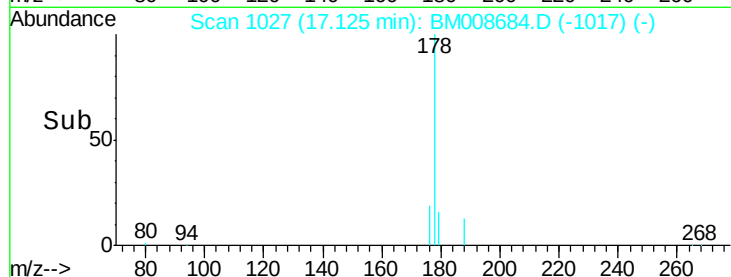
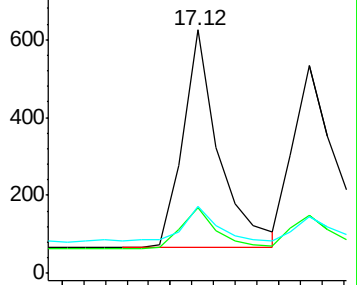
179 27.4 13.6 20.4#



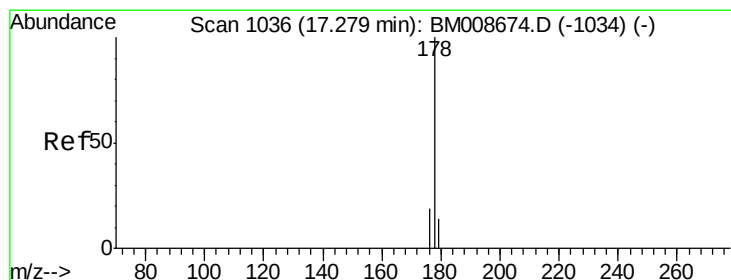
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

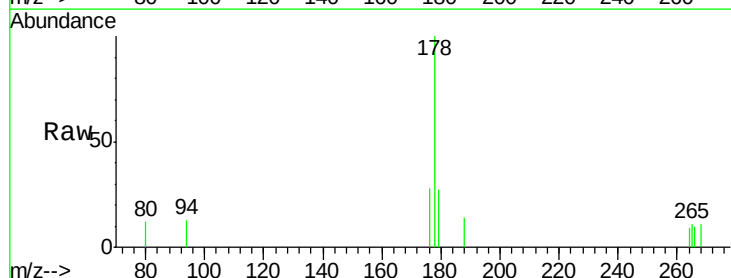
Tgt Ion:178 Resp: 1311

Ion Ratio Lower Upper

178 100

176 27.8 18.1 27.1#

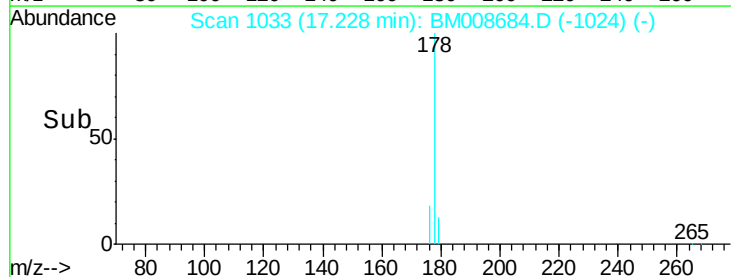
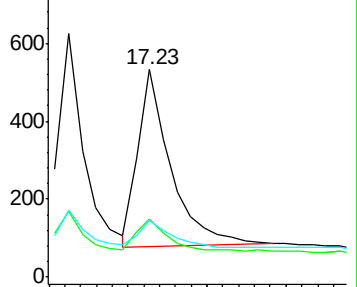
179 27.4 14.7 22.1#



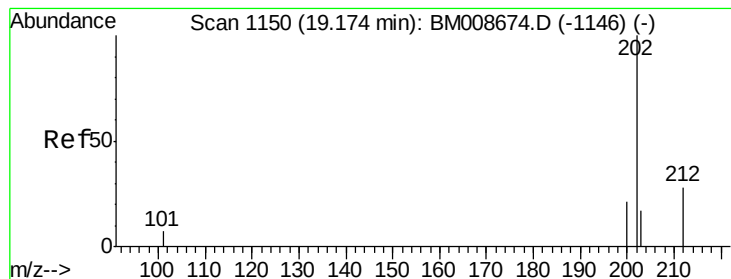
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Fluoranthene

Concen: 0.42 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.03 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

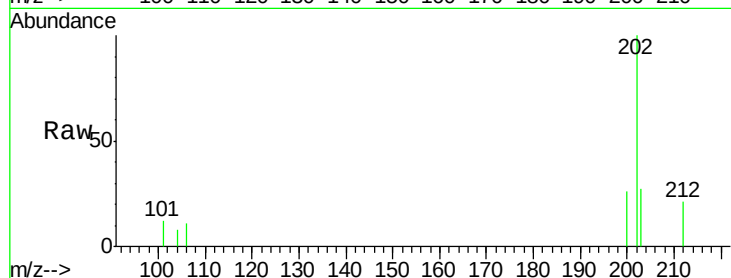
Tgt Ion:202 Resp: 1711

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.3

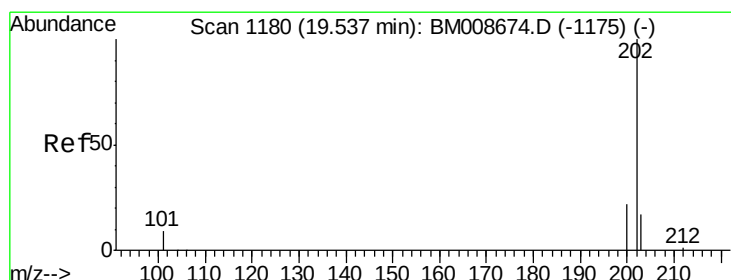
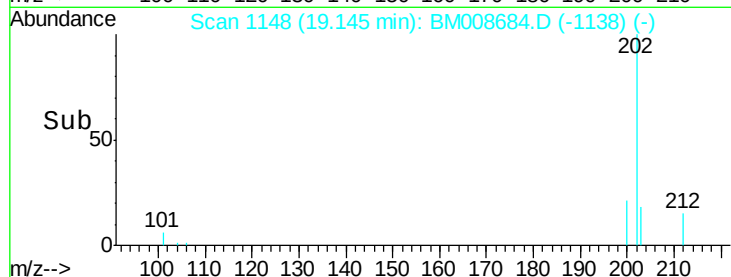
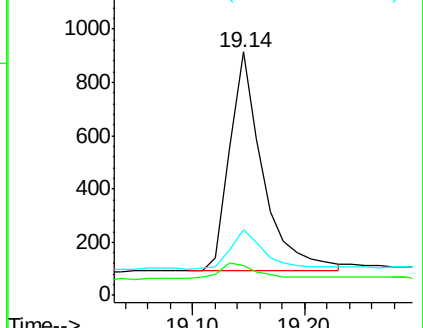
203 27.0 0.0 39.5



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: 0.41 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.03 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

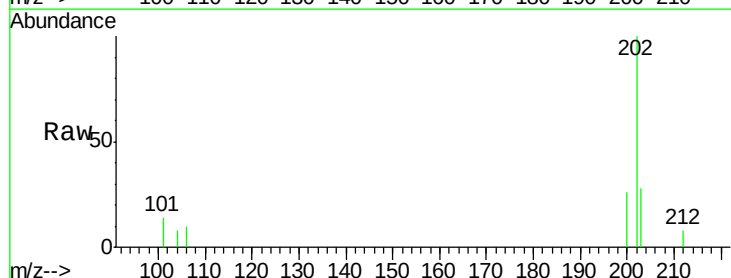
Tgt Ion:202 Resp: 1939

Ion Ratio Lower Upper

202 100

200 26.2 18.2 27.4

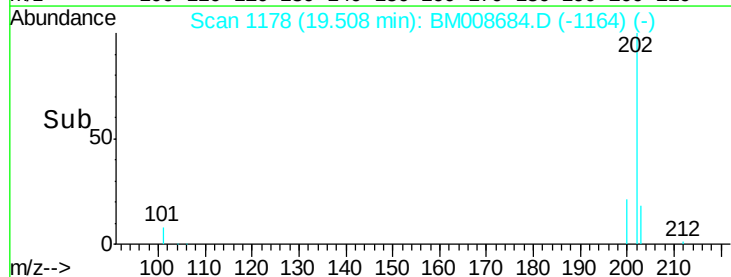
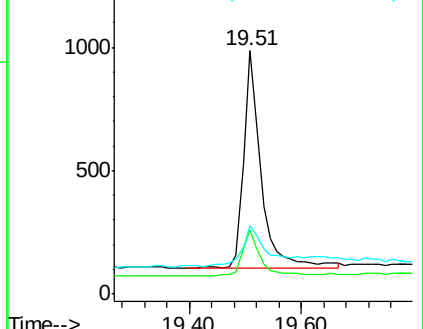
203 28.0 15.6 23.4#

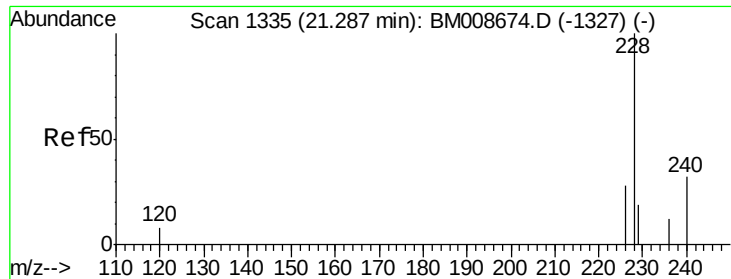


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

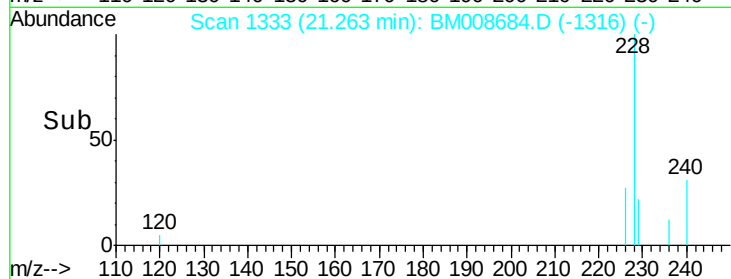
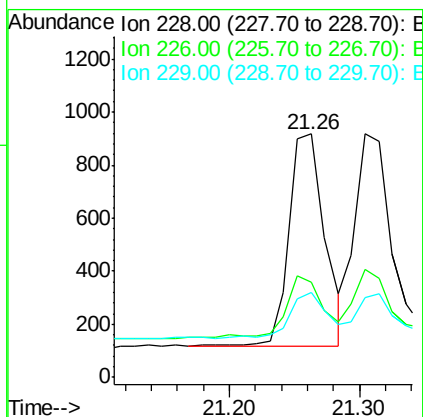
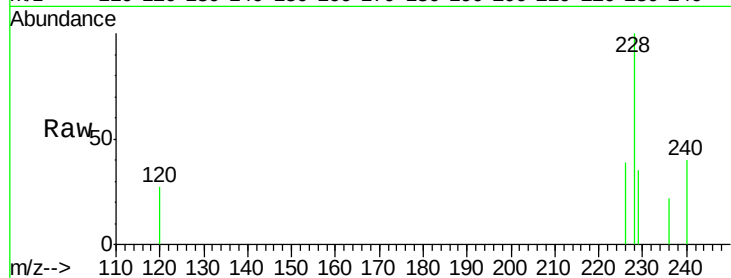
Tgt Ion:228 Resp: 1526

Ion Ratio Lower Upper

228 100

226 39.2 22.8 34.2#

229 35.0 17.0 25.6#



#19

Chrysene

Concen: 0.38 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

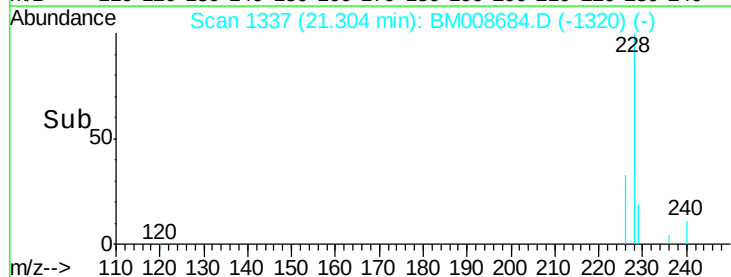
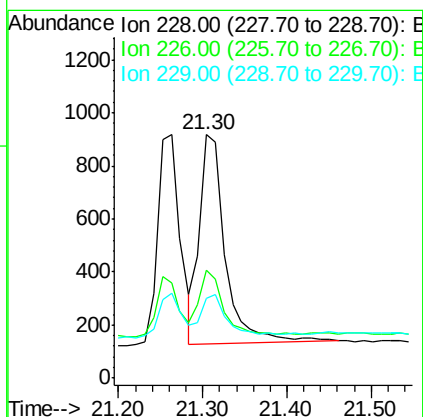
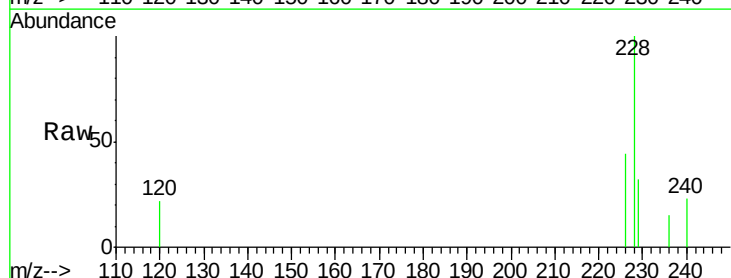
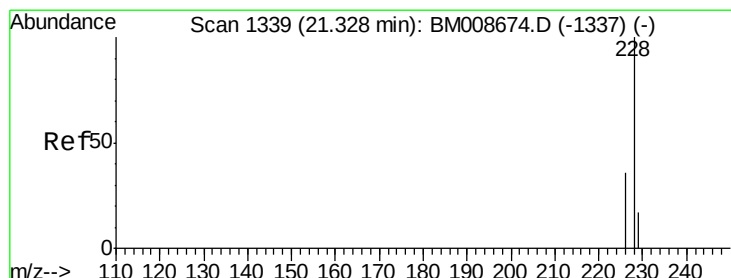
Tgt Ion:228 Resp: 1660

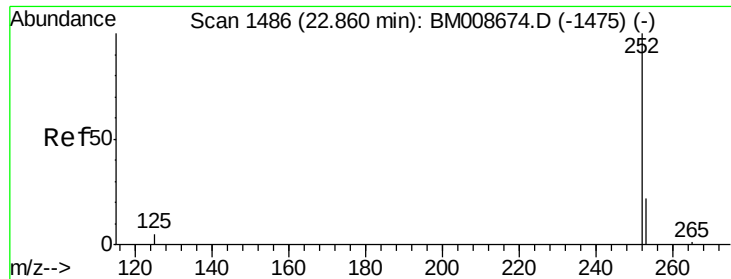
Ion Ratio Lower Upper

228 100

226 44.4 23.4 35.0#

229 32.5 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

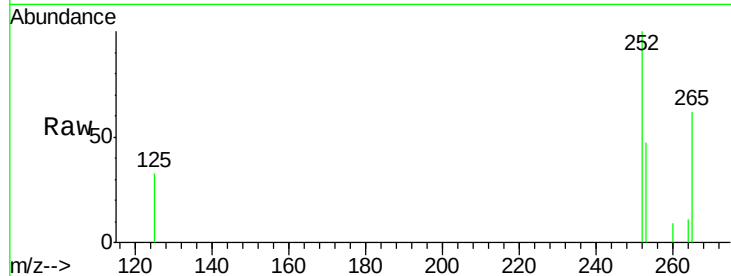
Tgt Ion:252 Resp: 1537

Ion Ratio Lower Upper

252 100

253 47.3 0.0 64.2

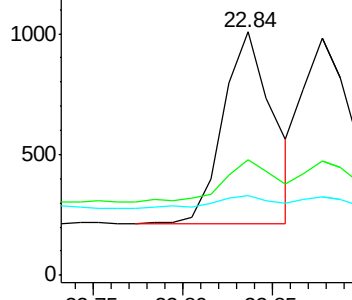
125 33.0 0.0 35.0



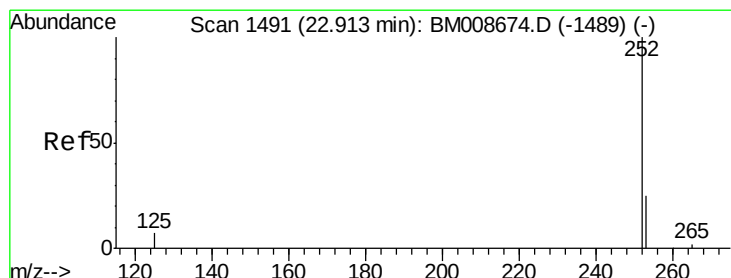
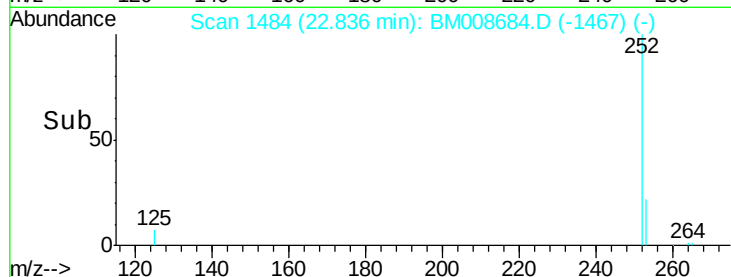
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.03 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

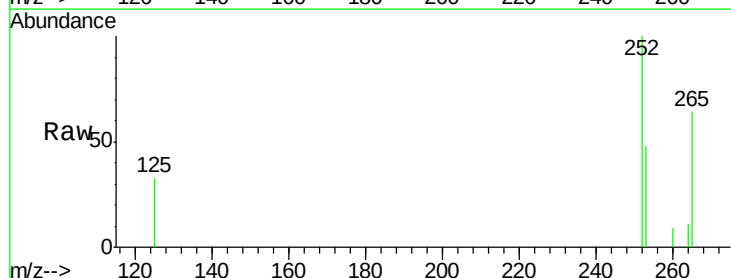
Tgt Ion:252 Resp: 1649

Ion Ratio Lower Upper

252 100

253 48.0 24.5 36.7#

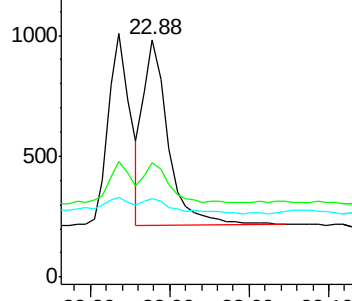
125 33.0 13.7 20.5#



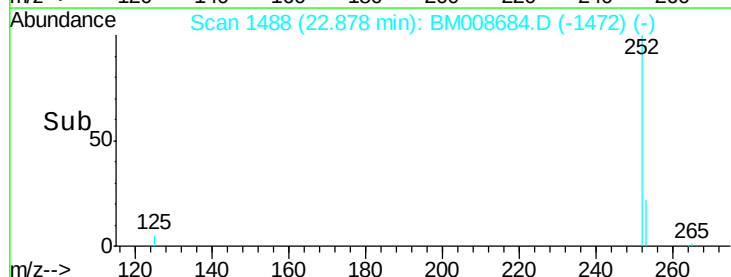
Abundance Ion 252.00 (251.70 to 252.70): E

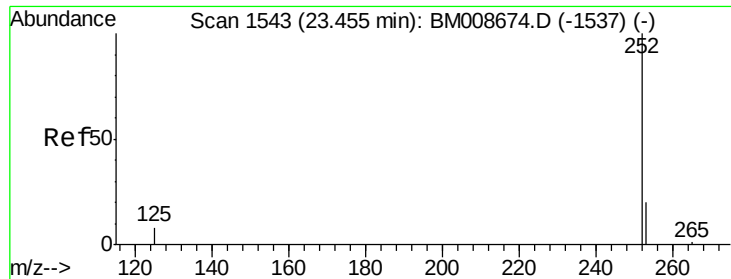
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

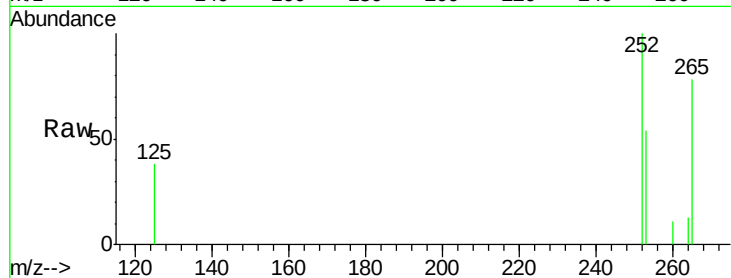
Tgt Ion:252 Resp: 1584

Ion Ratio Lower Upper

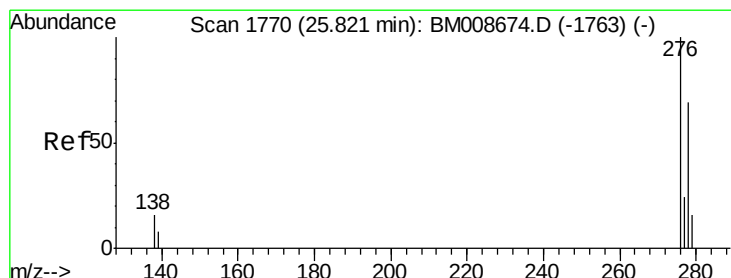
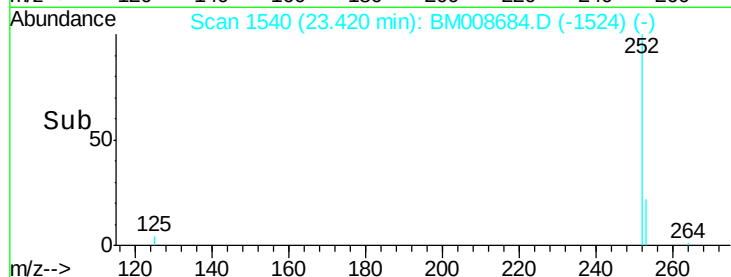
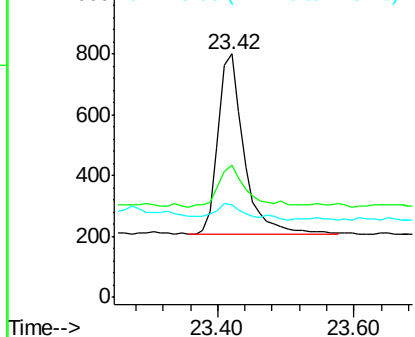
252 100

253 54.1 28.5 42.7#

125 38.1 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: 0.40 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.06 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

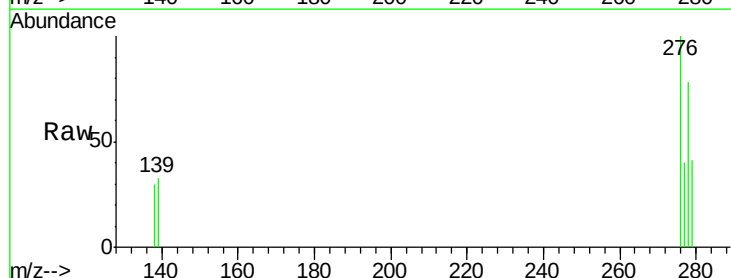
Tgt Ion:276 Resp: 1875

Ion Ratio Lower Upper

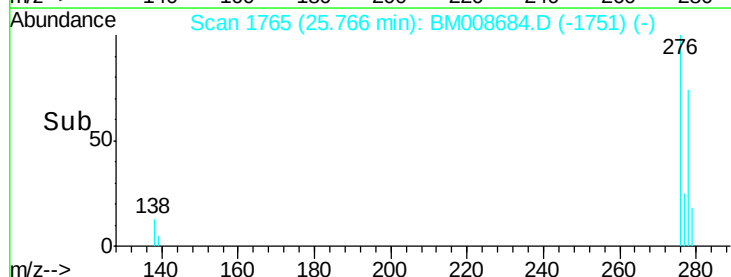
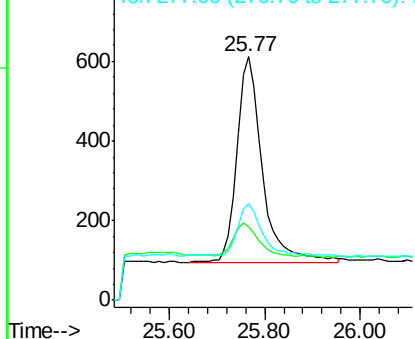
276 100

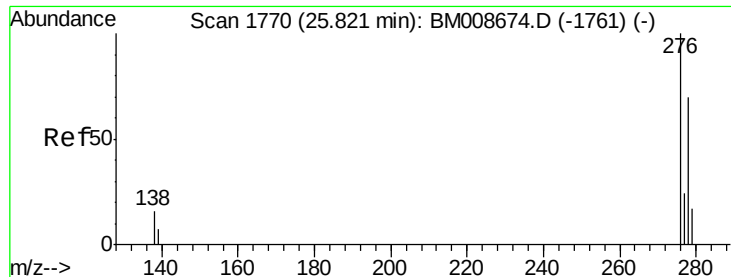
138 17.9 19.1 28.7#

277 24.3 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: 0.40 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.07 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.437

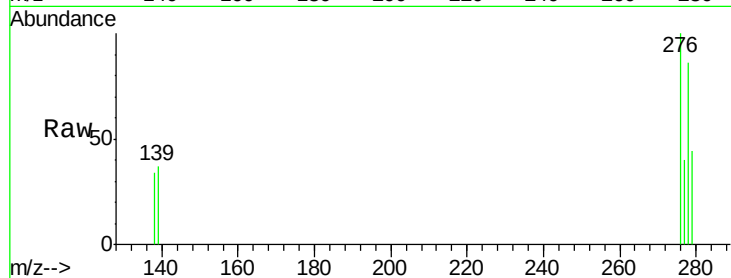
Tgt Ion:278 Resp: 1485

Ion Ratio Lower Upper

278 100

139 43.3 17.4 26.0#

279 50.4 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

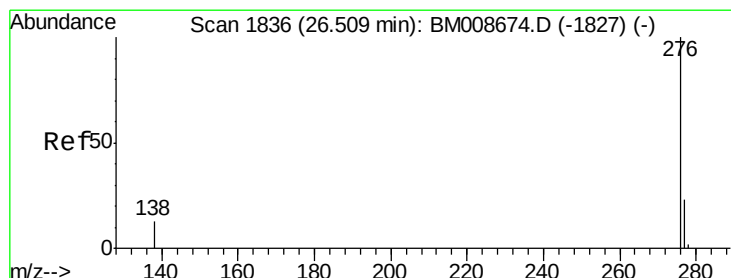
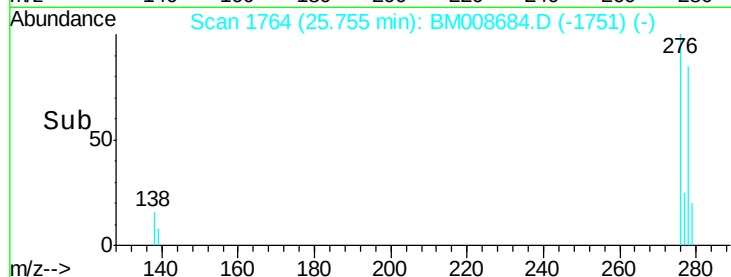
25.76

400

200

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.39 ng/ul

RT: 26.45 min Scan# 1831

Delta R.T. -0.06 min

Lab File: BM008684.D

Acq: 27 Dec 2016 21:41

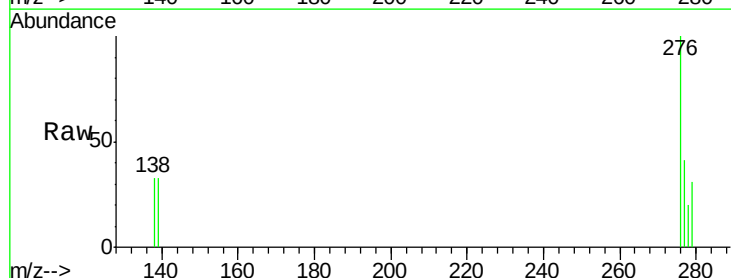
Tgt Ion:276 Resp: 1571

Ion Ratio Lower Upper

276 100

277 40.6 21.8 32.8#

138 33.5 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

26.45

400

200

0

Time-->

