

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008671.D
 Acq On : 25 Dec 2016 14:55
 Operator : UM/SJ
 Sample : H5995-21DL 5X
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA888DL

Quant Time: Dec 26 03:30:01 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	7.76	152	301	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.51	136	1045	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	757	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1268	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1331	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1359	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	135	0.08	ng/ul	-0.02
14) Fluoranthene-d10	19.10	212	309	0.09	ng/ul	-0.02

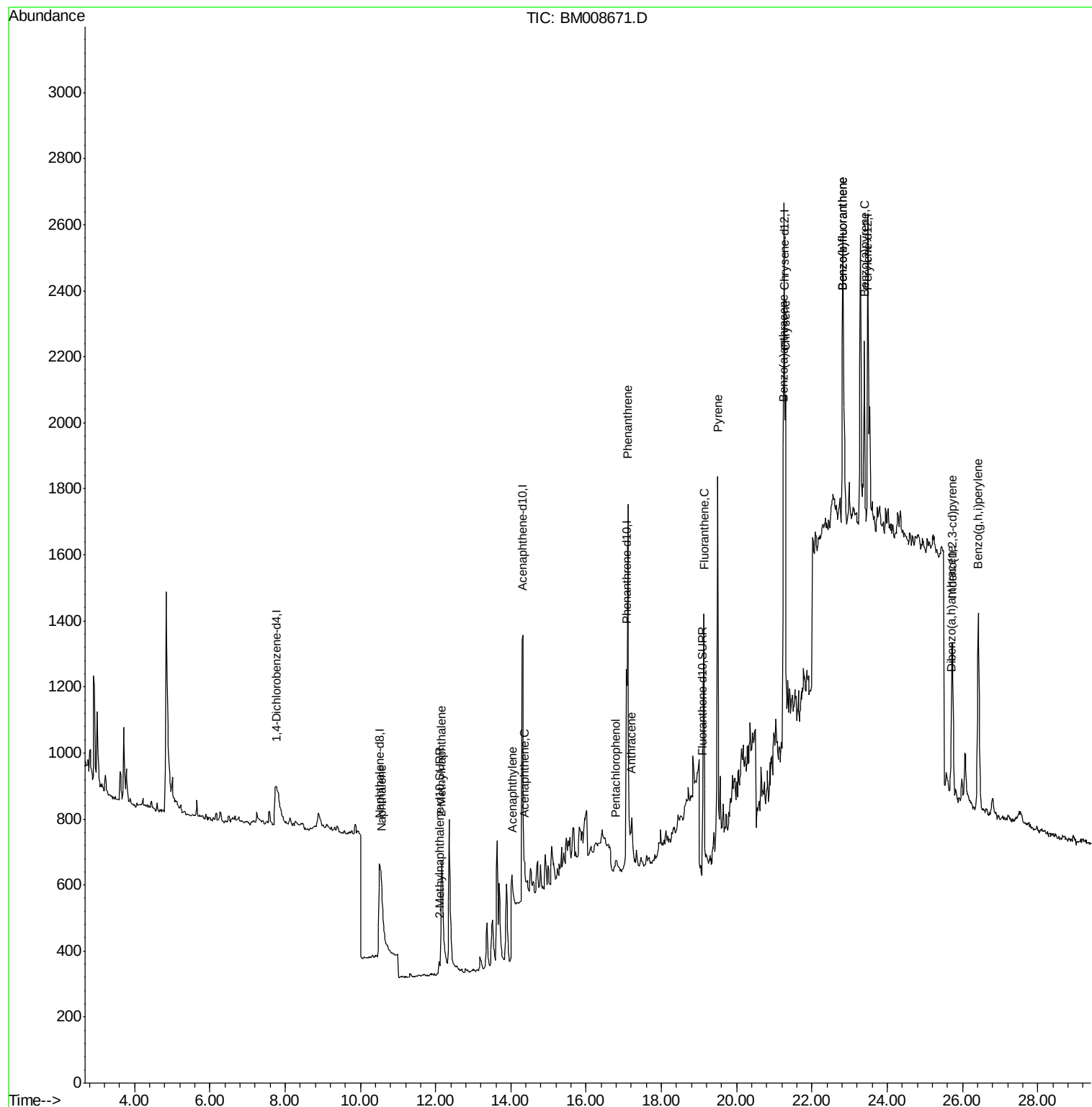
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	398	0.14	ng/ul#	20
5) 2-Methylnaphthalene	12.16	142	596	0.30	ng/ul	96
7) Acenaphthylene	14.04	152	108	0.03	ng/ul#	1
8) Acenaphthene	14.37	153	71	0.03	ng/ul#	75
11) Pentachlorophenol	16.78	266	8	0.02	ng/ul#	20
12) Phenanthrene	17.11	178	1618	0.42	ng/ul#	90
13) Anthracene	17.21	178	247	0.07	ng/ul#	29
15) Fluoranthene	19.13	202	1141	0.24	ng/ul	75
17) Pyrene	19.50	202	1331	0.26	ng/ul#	77
18) Benzo(a)anthracene	21.24	228	943	0.22	ng/ul#	51
19) Chrysene	21.29	228	1257	0.26	ng/ul#	63
21) Benzo(b)fluoranthene	22.82	252	1950	0.36	ng/ul#	61
22) Benzo(k)fluoranthene	22.82	252	1945	0.37	ng/ul#	58
23) Benzo(a)pyrene	23.39	252	823	0.17	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.73	276	951	0.16	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.70	278	300	0.06	ng/ul#	1
26) Benzo(g,h,i)perylene	26.42	276	1491	0.29	ng/ul#	74

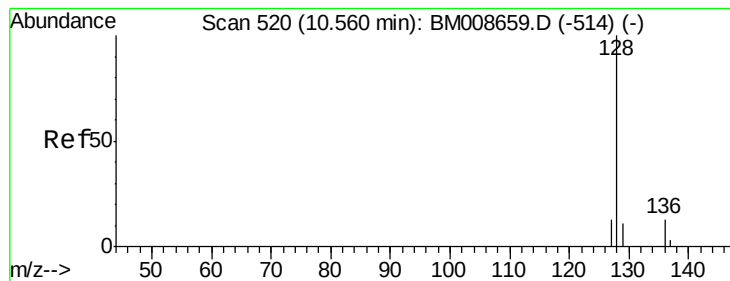
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. -0.00 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

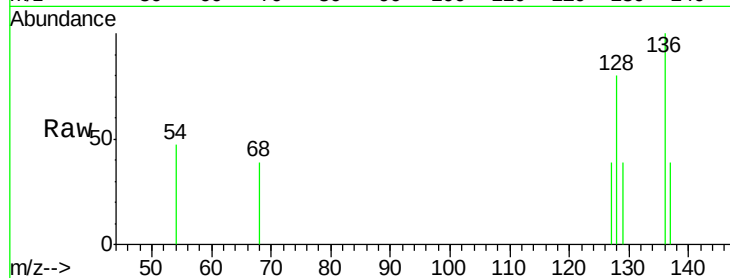
Tgt Ion:128 Resp: 398

Ion Ratio Lower Upper

128 100

129 48.9 11.3 16.9#

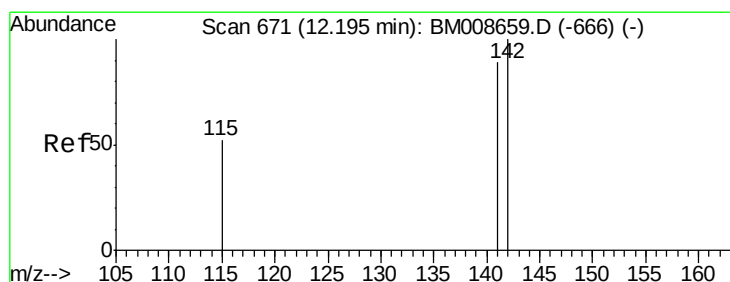
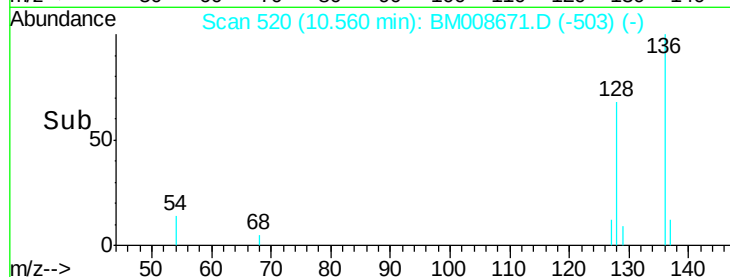
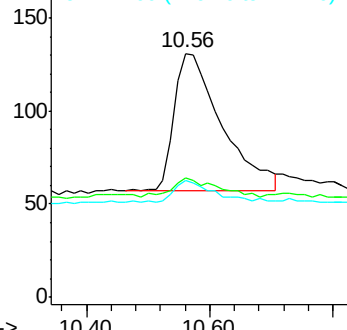
127 48.1 12.8 19.2#



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: 0.30 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.03 min

Lab File: BM008671.D

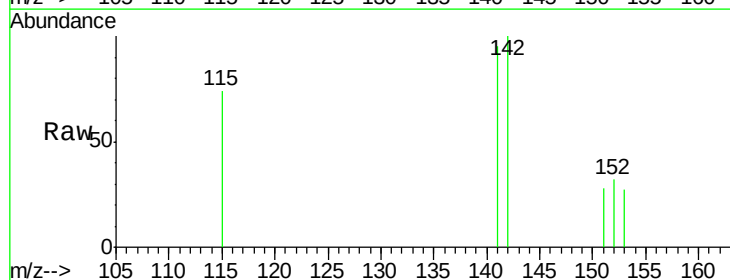
Acq: 25 Dec 2016 14:55

Tgt Ion:142 Resp: 596

Ion Ratio Lower Upper

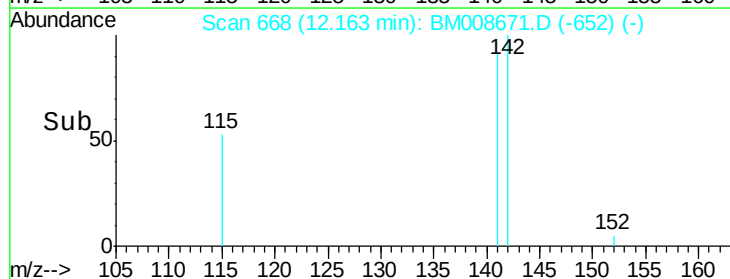
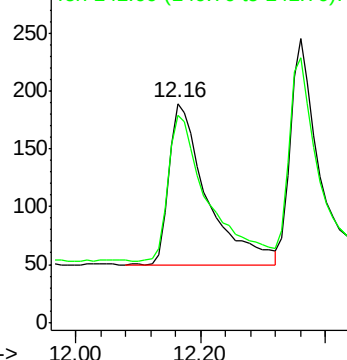
142 100

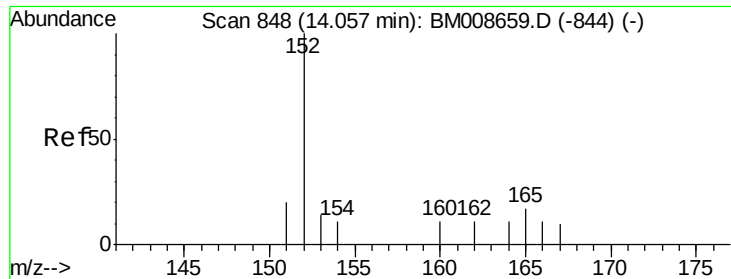
141 94.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

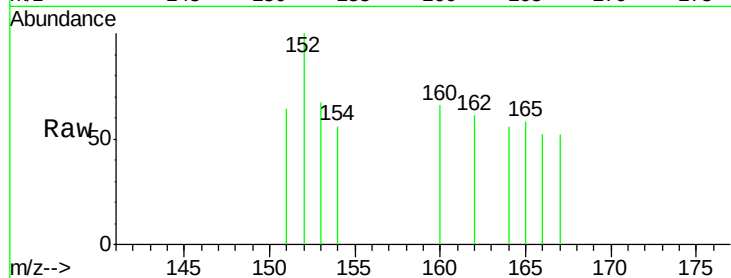
Tgt Ion:152 Resp: 108

Ion Ratio Lower Upper

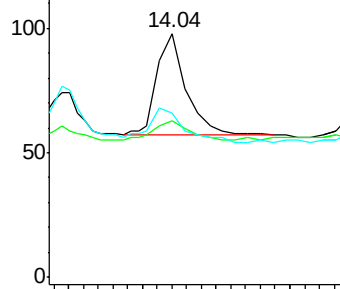
152 100

151 64.3 17.1 25.7#

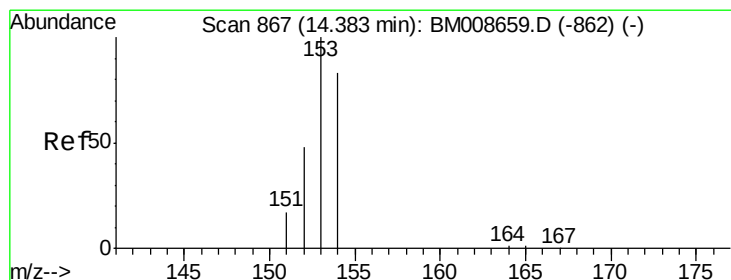
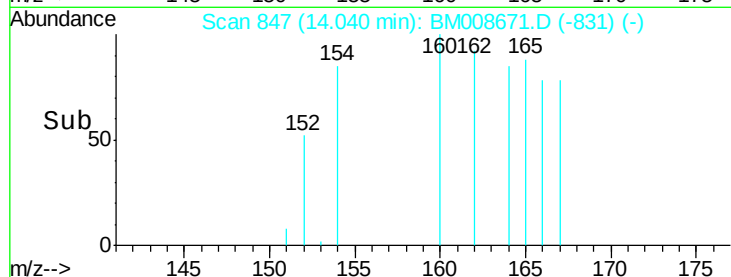
153 67.3 12.8 19.2#



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: 0.03 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. -0.02 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

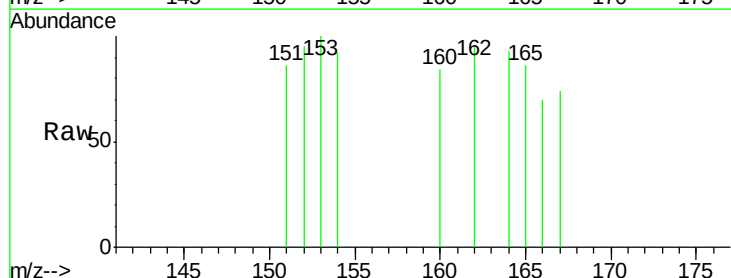
Tgt Ion:153 Resp: 71

Ion Ratio Lower Upper

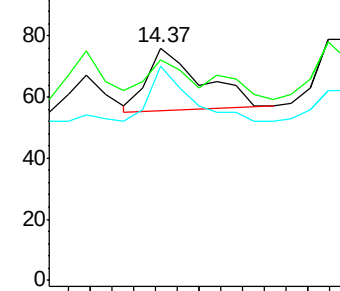
153 100

152 94.7 40.3 60.5#

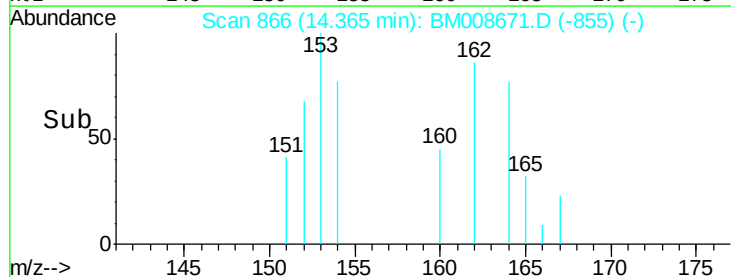
154 92.1 71.4 107.2

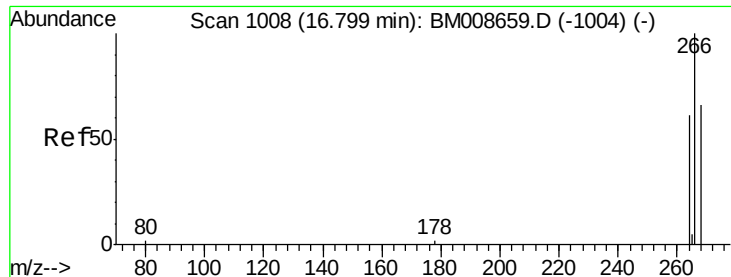


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.30 14.40 14.50

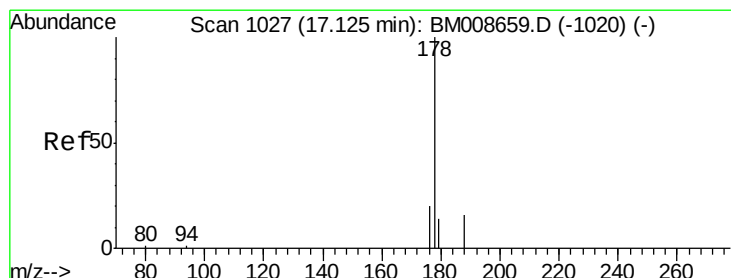
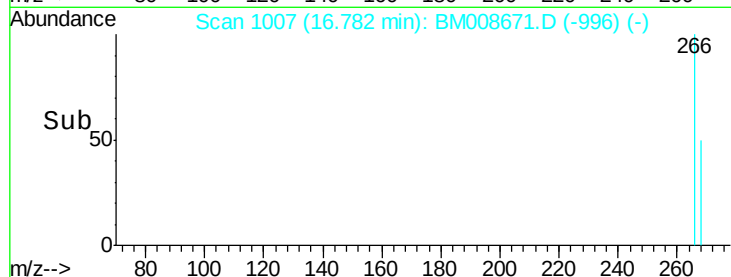
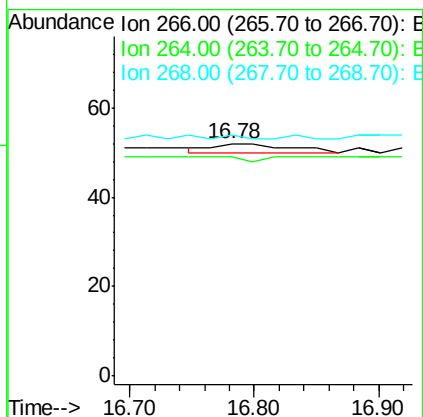
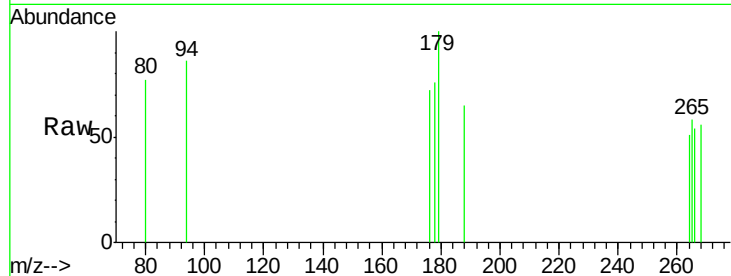




#11
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BM008671.D
 Acq: 25 Dec 2016 14:55

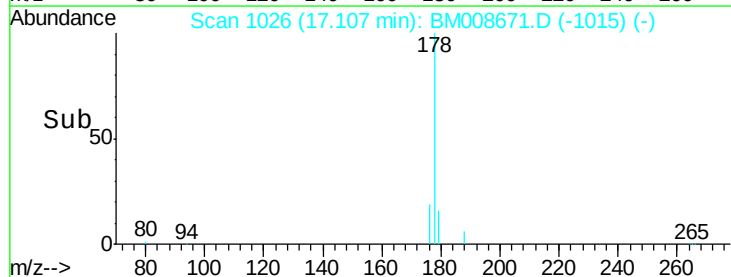
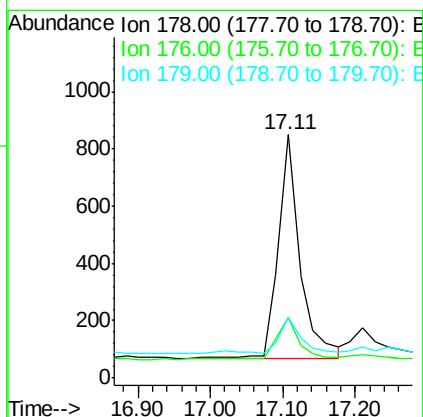
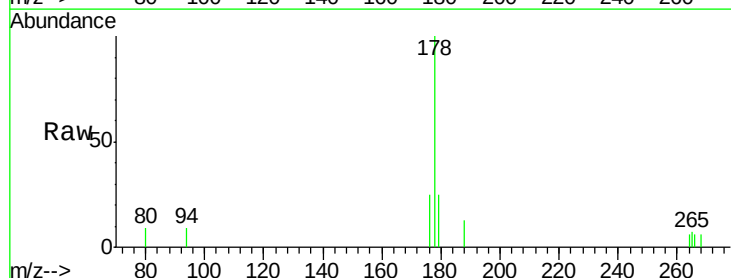
Instrument :
 BNA_M
 ClientSampleId :
 DA888DL

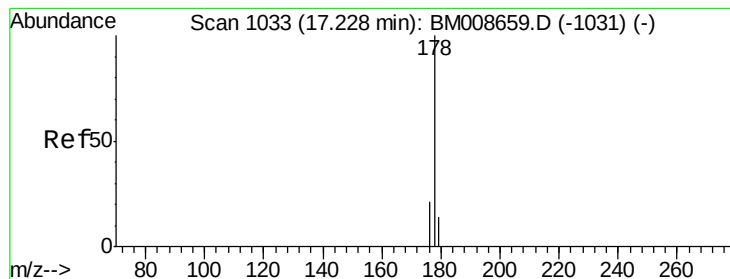
Tgt Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#



#12
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BM008671.D
 Acq: 25 Dec 2016 14:55

Tgt Ion: 178 Resp: 1618
 Ion Ratio Lower Upper
 178 100
 176 24.9 18.4 27.6
 179 24.7 13.6 20.4#





#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

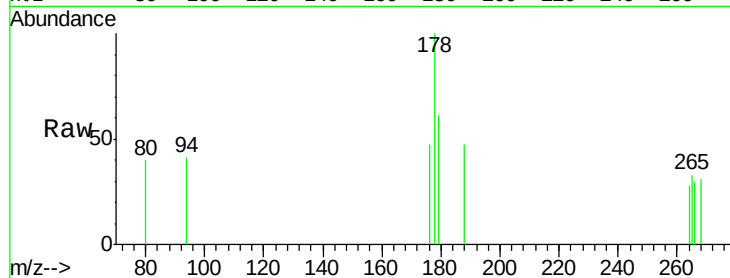
Tgt Ion:178 Resp: 247

Ion Ratio Lower Upper

178 100

176 46.6 18.1 27.1#

179 61.5 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

1000

800

600

400

200

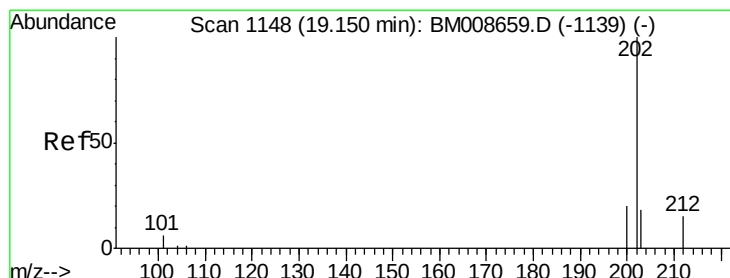
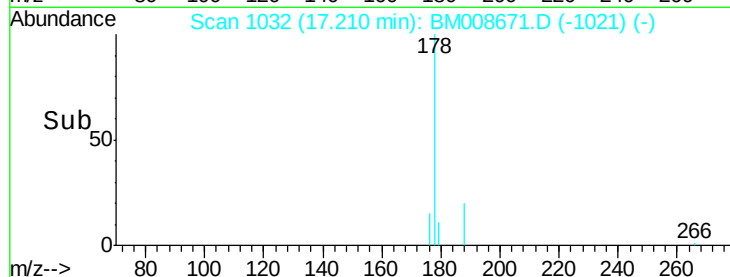
0

17.20

17.30

17.21

Time-->



#15

Fluoranthene

Concen: 0.24 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

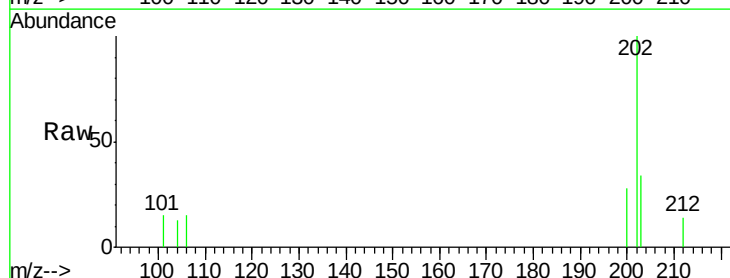
Tgt Ion:202 Resp: 1141

Ion Ratio Lower Upper

202 100

101 14.5 0.0 30.3

203 34.3 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

800

600

400

200

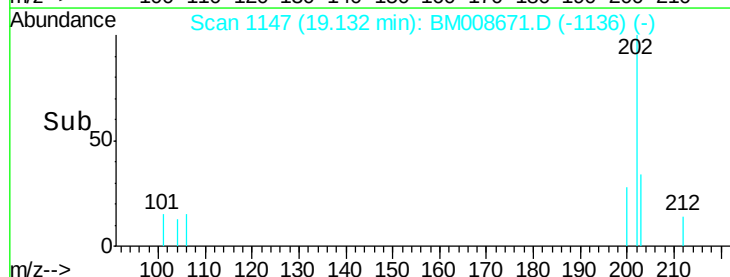
0

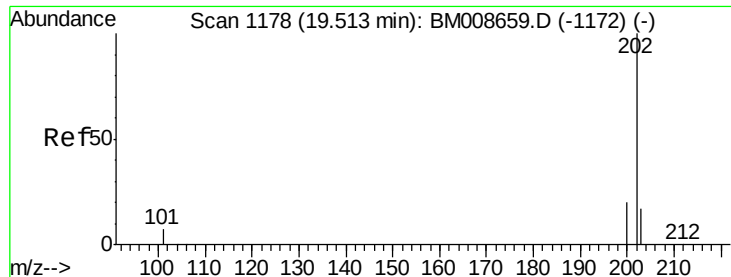
19.10

19.20

19.13

Time-->

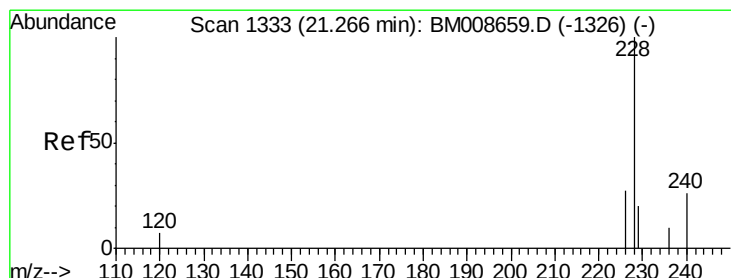
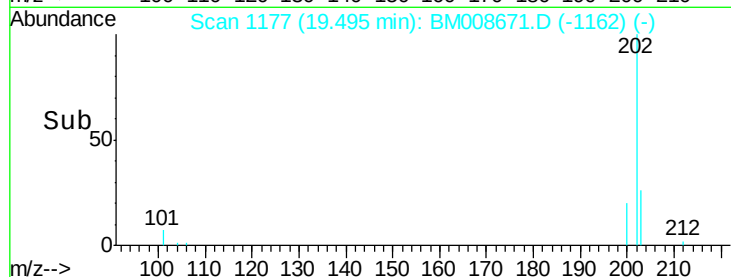
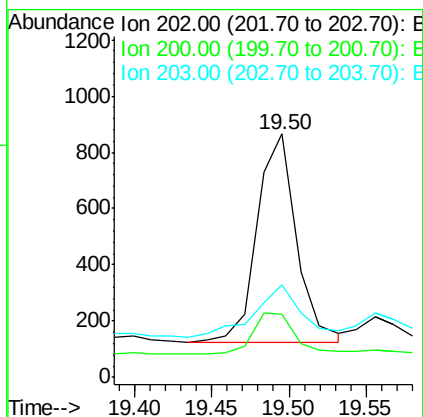
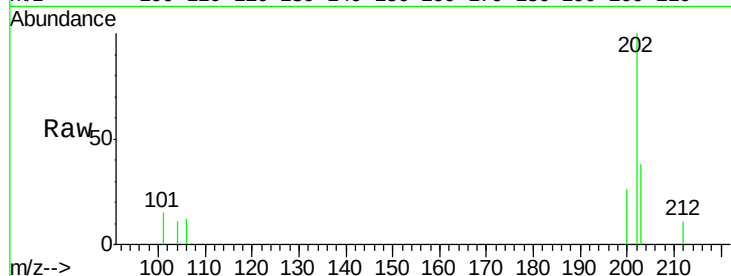




#17
 Pyrene
 Concen: 0.26 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BM008671.D
 Acq: 25 Dec 2016 14:55

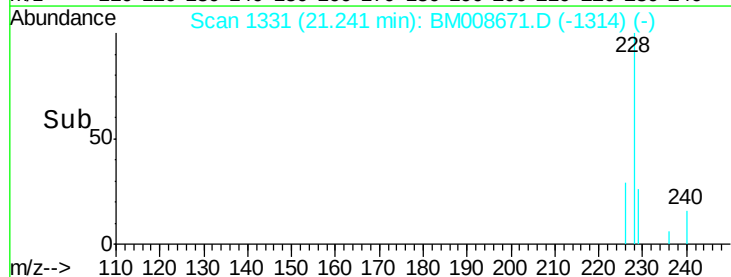
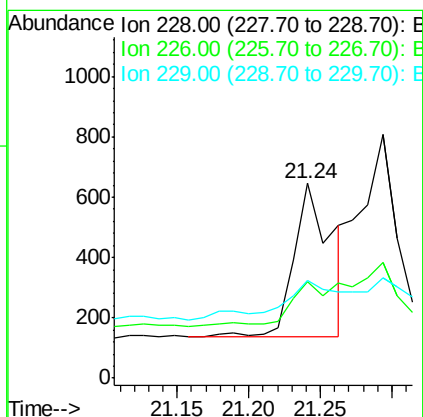
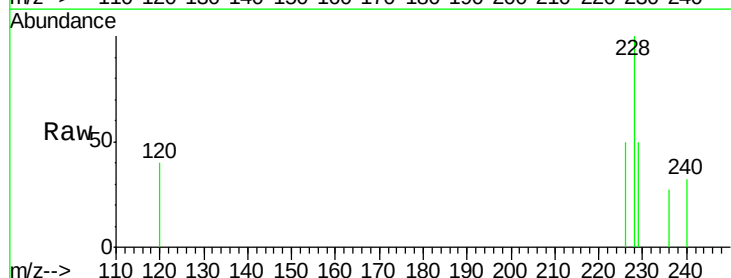
Instrument :
 BNA_M
 ClientSampleId :
 DA888DL

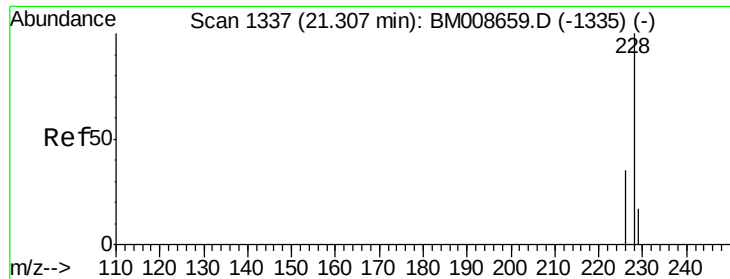
Tgt Ion: 202 Resp: 1331
 Ion Ratio Lower Upper
 202 100
 200 26.1 18.2 27.4
 203 38.1 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.22 ng/ul
 RT: 21.24 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BM008671.D
 Acq: 25 Dec 2016 14:55

Tgt Ion: 228 Resp: 943
 Ion Ratio Lower Upper
 228 100
 226 49.8 22.8 34.2#
 229 50.2 17.0 25.6#





#19

Chrysene

Concen: 0.26 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

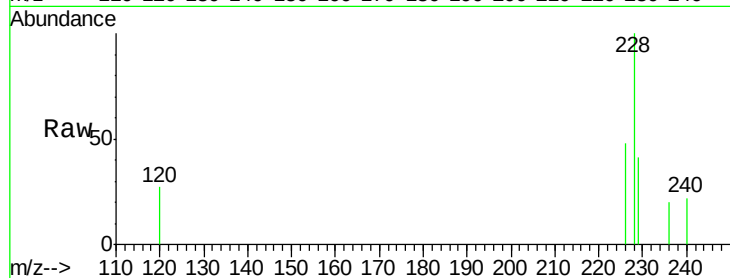
Tgt Ion:228 Resp: 1257

Ion Ratio Lower Upper

228 100

226 47.7 23.4 35.0#

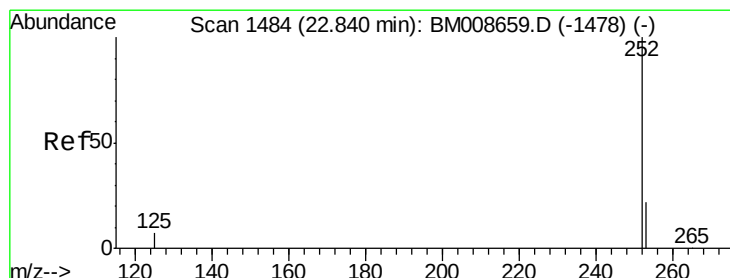
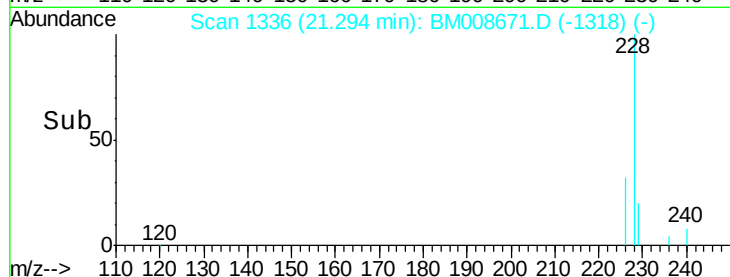
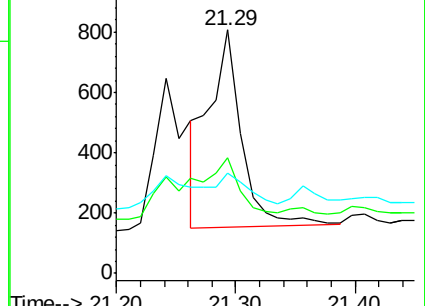
229 41.3 17.7 26.5#



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: 0.36 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

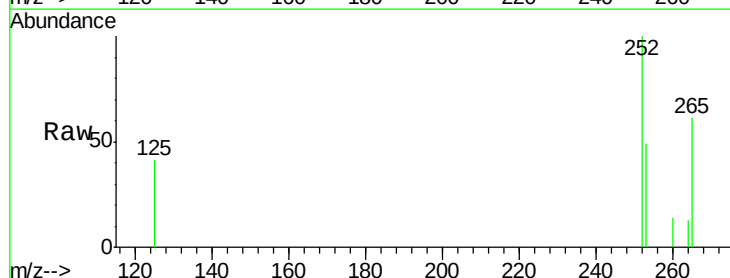
Tgt Ion:252 Resp: 1950

Ion Ratio Lower Upper

252 100

253 49.2 0.0 64.2

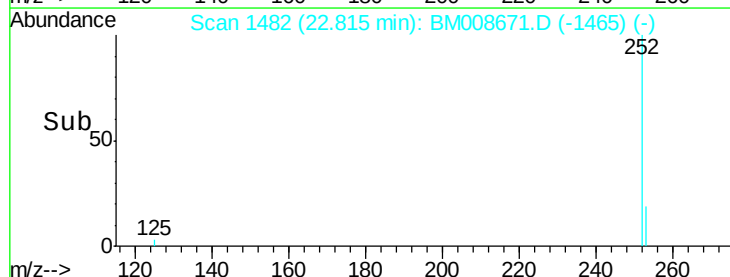
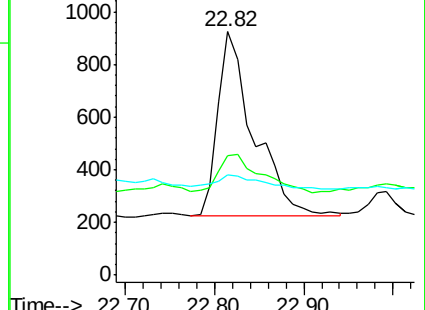
125 41.3 0.0 35.0#

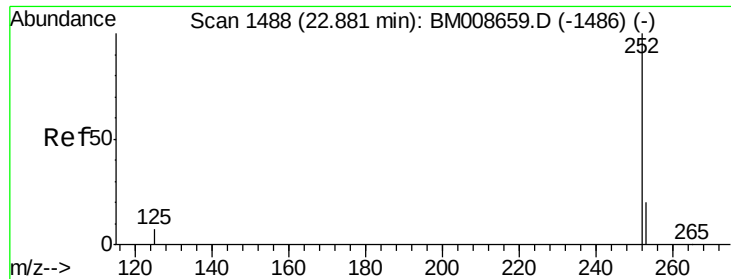


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.07 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

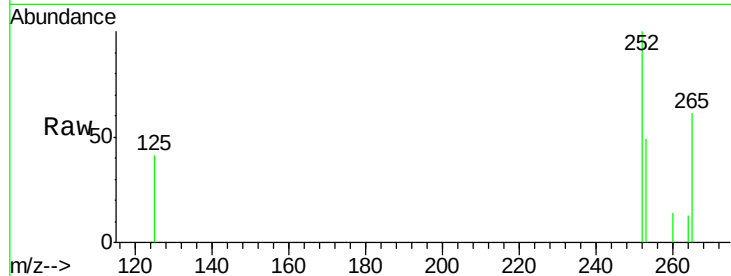
Tgt Ion:252 Resp: 1945

Ion Ratio Lower Upper

252 100

253 49.2 24.5 36.7#

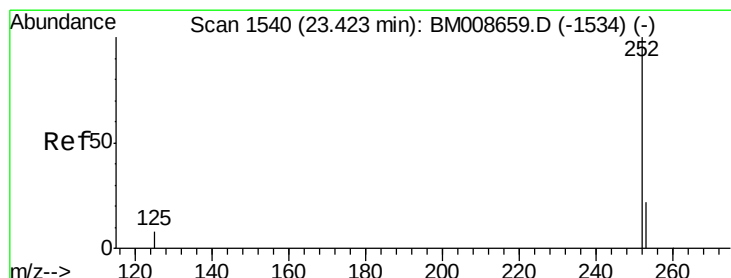
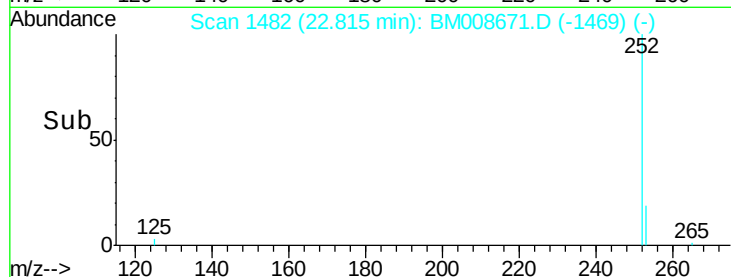
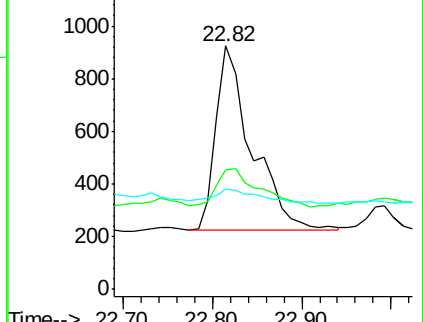
125 41.3 13.7 20.5#



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: 0.17 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.03 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

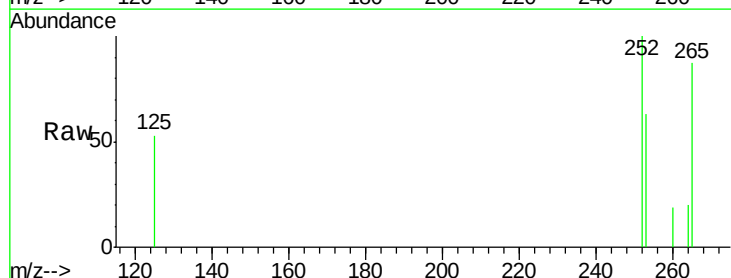
Tgt Ion:252 Resp: 823

Ion Ratio Lower Upper

252 100

253 63.2 28.5 42.7#

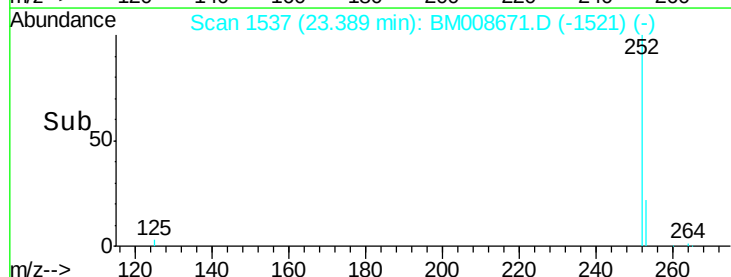
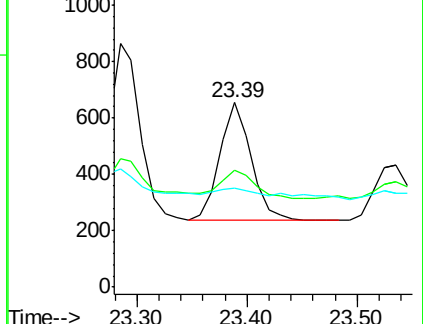
125 53.4 18.1 27.1#

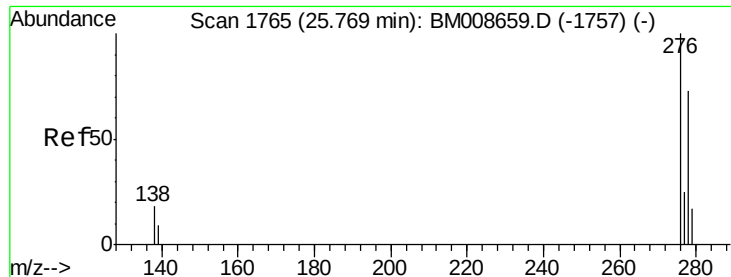


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.16 ng/ul

RT: 25.73 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL

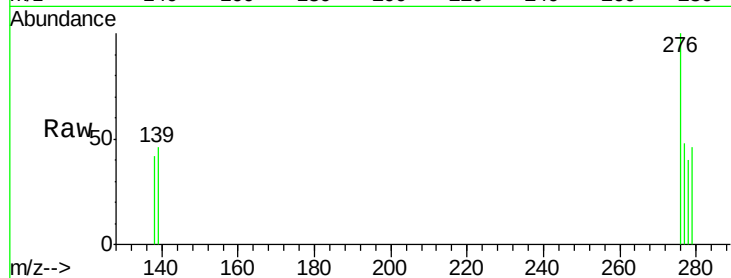
Tgt Ion:276 Resp: 951

Ion Ratio Lower Upper

276 100

138 18.0 19.1 28.7#

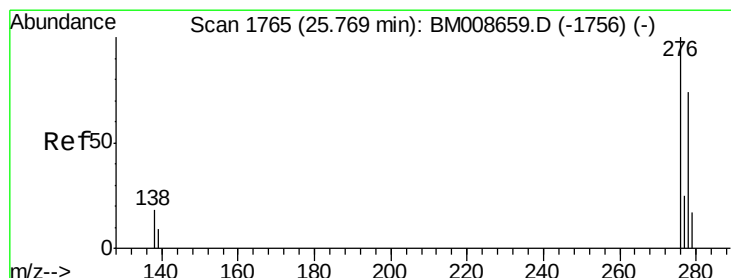
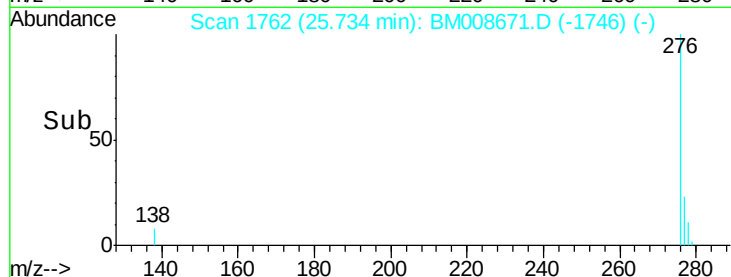
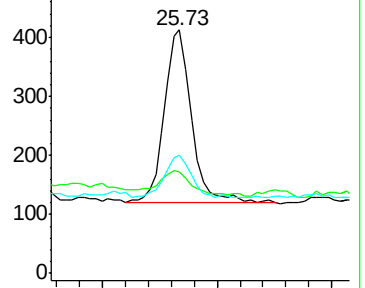
277 24.8 19.6 29.4



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: 0.06 ng/ul

RT: 25.70 min Scan# 1759

Delta R.T. -0.07 min

Lab File: BM008671.D

Acq: 25 Dec 2016 14:55

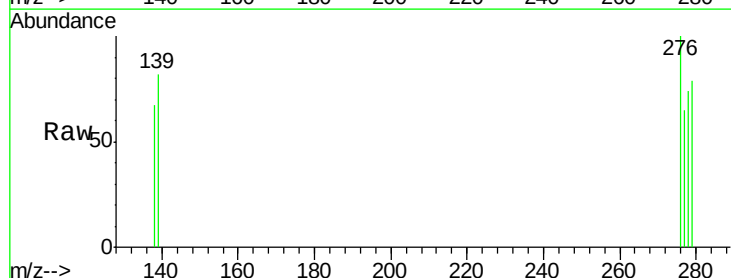
Tgt Ion:278 Resp: 300

Ion Ratio Lower Upper

278 100

139 111.4 17.4 26.0#

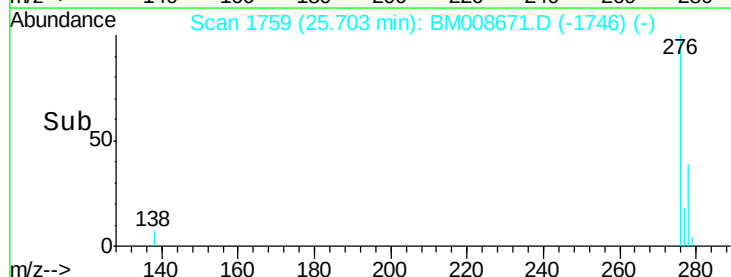
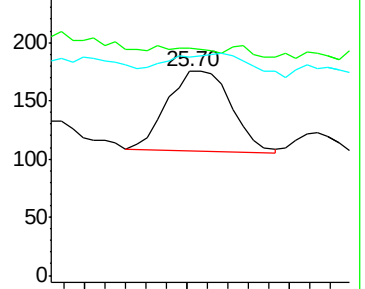
279 107.4 25.9 38.9#

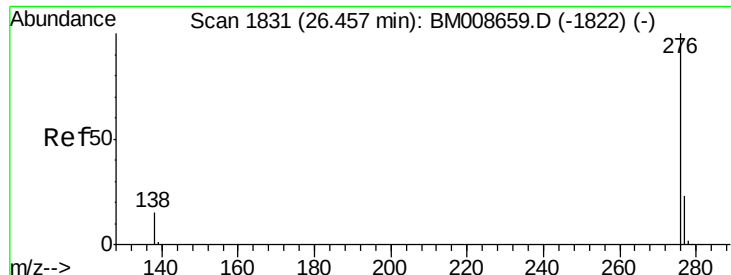


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.29 ng/ul

RT: 26.42 min Scan# 1828

Delta R.T. -0.03 min

Lab File: BM008671.D

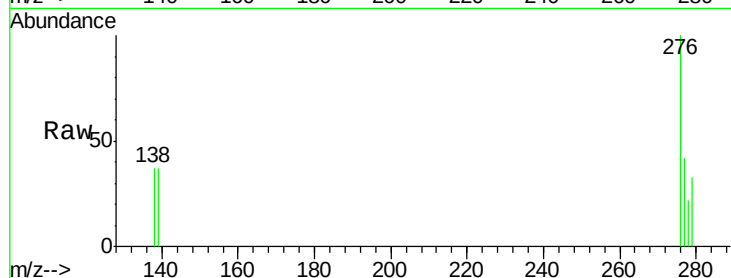
Acq: 25 Dec 2016 14:55

Instrument :

BNA_M

ClientSampleId :

DA888DL



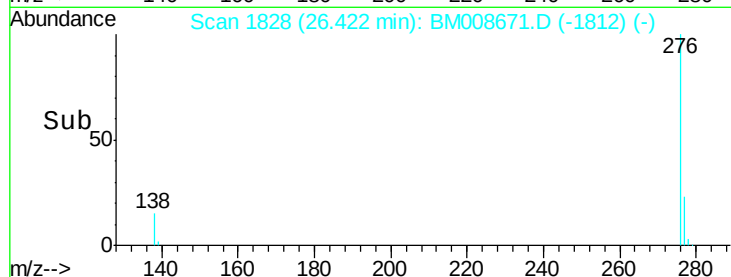
Tgt Ion: 276 Resp: 1491

Ion Ratio Lower Upper

276 100

277 42.5 21.8 32.8#

138 36.6 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

