

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
 Data File : BM008678.D
 Acq On : 27 Dec 2016 18:00
 Operator : UM/SJ
 Sample : H6040-17DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X0DL

Quant Time: Dec 28 03:27:42 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

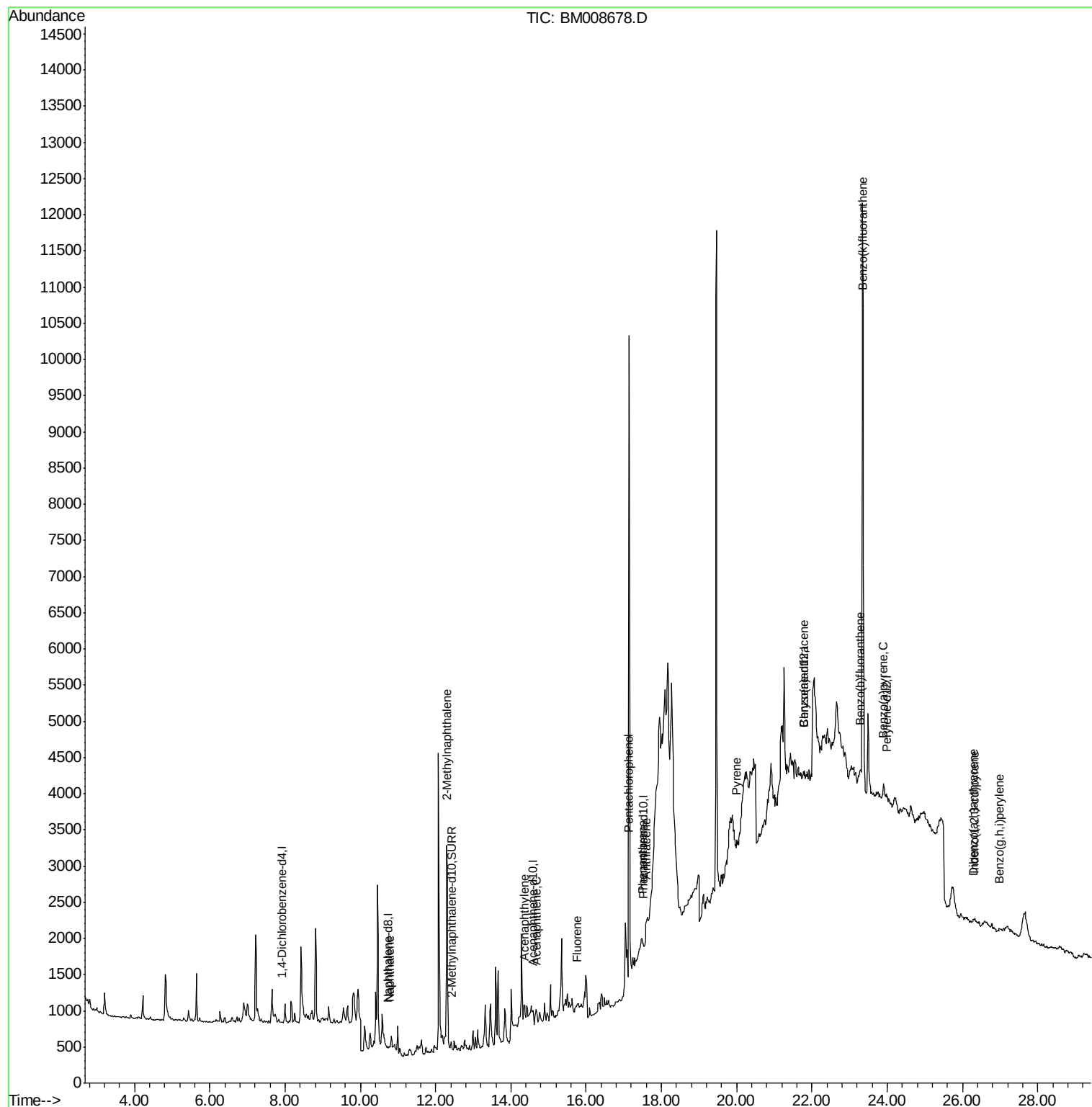
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	6	0.40	ng/ul	0.09
2) Naphthalene-d8	10.74	136	57	0.40	ng/ul	0.17
6) Acenaphthene-d10	14.59	164	48	0.40	ng/ul	0.24
10) Phenanthrene-d10	17.52	188	65	0.40	ng/ul	0.39
16) Chrysene-d12	21.78	240	54	0.40	ng/ul	0.49
20) Perylene-d12	23.99	264	78	0.40	ng/ul	0.46
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.41	152	13	0.15	ng/ul	0.24
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	
Target Compounds						
					Qvalue	
3) Naphthalene	10.78	128	23	0.14	ng/ul#	1
5) 2-Methylnaphthalene	12.30	142	2185	20.24	ng/ul	97
7) Acenaphthylene	14.35	152	184	0.85	ng/ul#	1
8) Acenaphthene	14.67	153	164	1.00	ng/ul#	58
9) Fluorene	15.75	166	27	0.14	ng/ul#	1
11) Pentachlorophenol	17.12	266	22	1.09	ng/ul#	46
12) Phenanthrene	17.48	178	174	0.88	ng/ul#	1
13) Anthracene	17.59	178	150	0.78	ng/ul#	1
17) Pyrene	20.00	202	28	0.13	ng/ul#	1
18) Benzo(a)anthracene	21.78	228	26	0.15	ng/ul#	1
21) Benzo(b)fluoranthene	23.28	252	109	0.35	ng/ul#	1
22) Benzo(k)fluoranthene	23.35	252	181	0.60	ng/ul#	1
23) Benzo(a)pyrene	23.90	252	230	0.81	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.32	276	230	0.68	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.30	278	12	0.04	ng/ul#	1
26) Benzo(g,h,i)perylene	26.97	276	16	0.05	ng/ul#	1

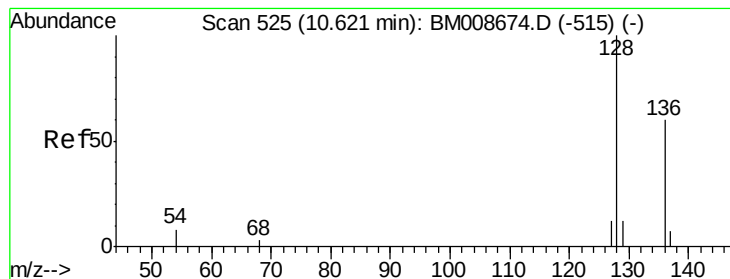
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. 0.16 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

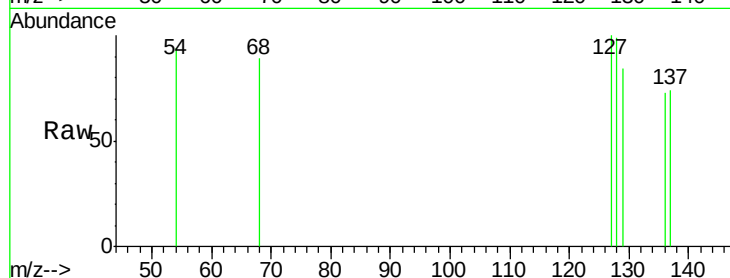
Tgt Ion:128 Resp: 23

Ion Ratio Lower Upper

128 100

129 85.2 11.3 16.9#

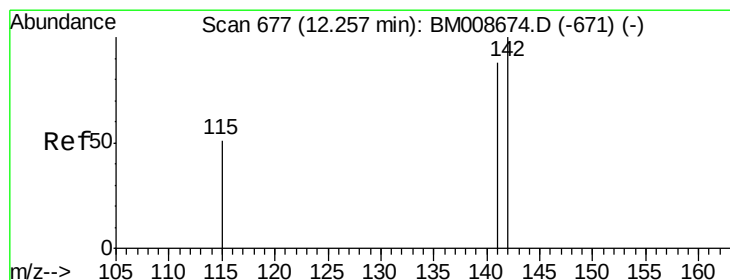
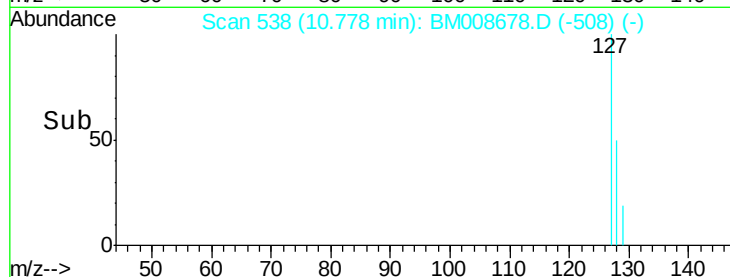
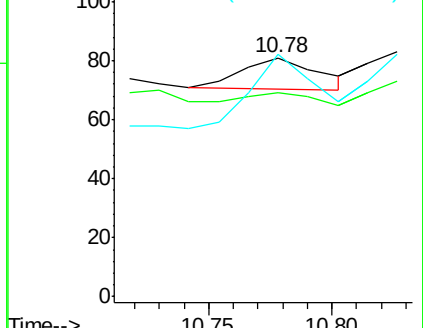
127 101.2 12.8 19.2#



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: 20.24 ng/ul

RT: 12.30 min Scan# 681

Delta R.T. 0.04 min

Lab File: BM008678.D

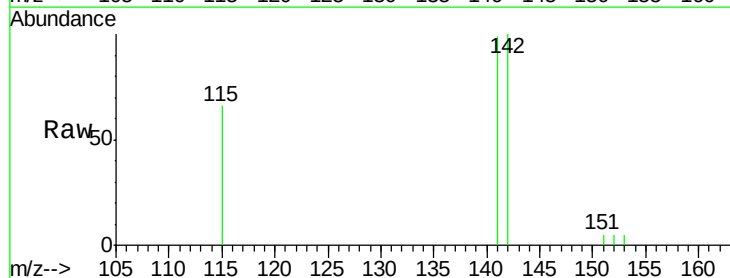
Acq: 27 Dec 2016 18:00

Tgt Ion:142 Resp: 2185

Ion Ratio Lower Upper

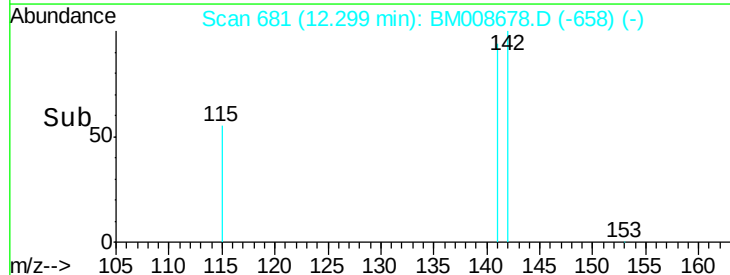
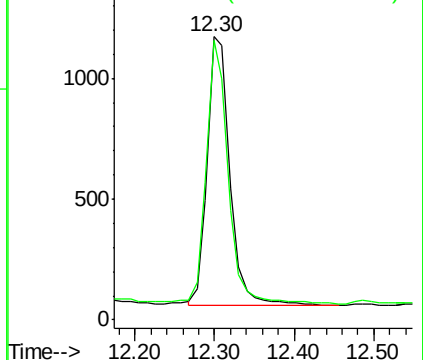
142 100

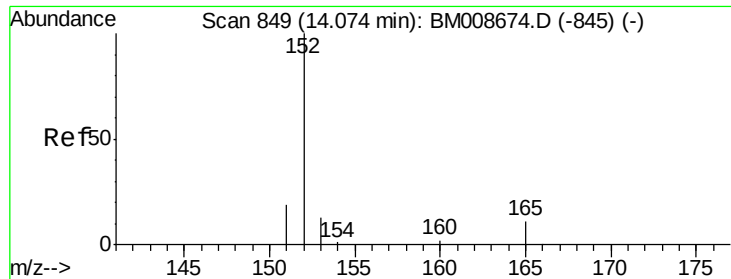
141 93.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.85 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.27 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

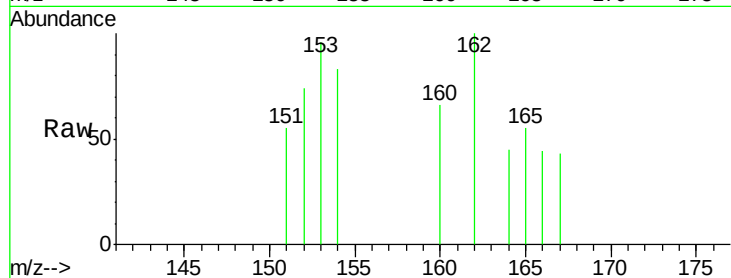
Tgt Ion:152 Resp: 184

Ion Ratio Lower Upper

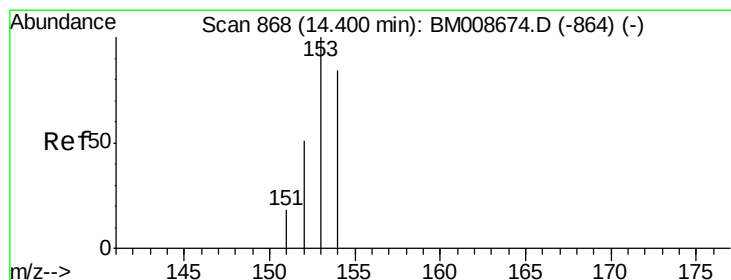
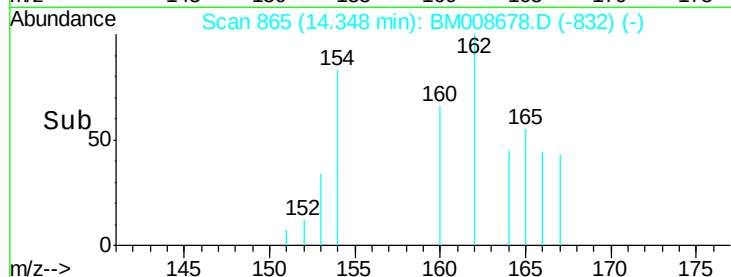
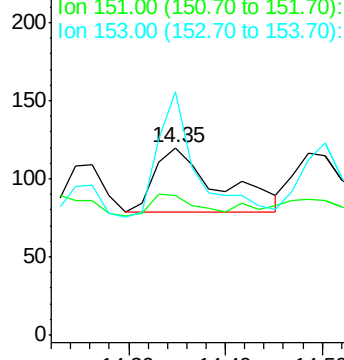
152 100

151 74.2 17.1 25.7#

153 130.0 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: 1.00 ng/ul

RT: 14.67 min Scan# 884

Delta R.T. 0.27 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

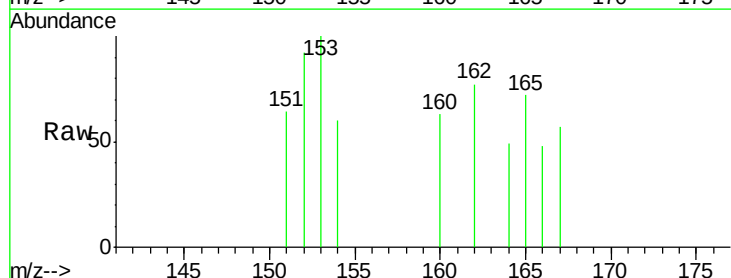
Tgt Ion:153 Resp: 164

Ion Ratio Lower Upper

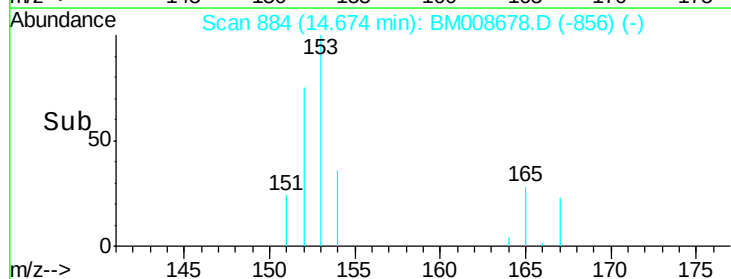
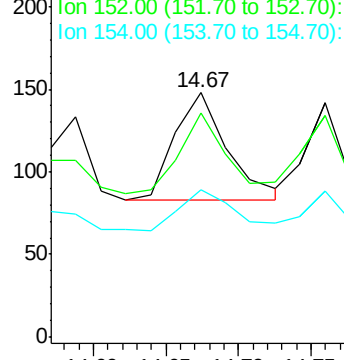
153 100

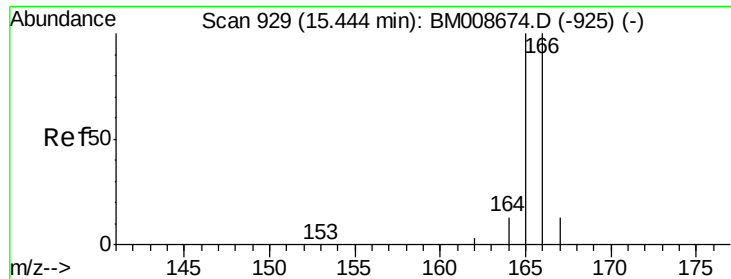
152 91.9 40.3 60.5#

154 60.1 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: 0.14 ng/ul

RT: 15.75 min Scan# 947

Delta R.T. 0.31 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

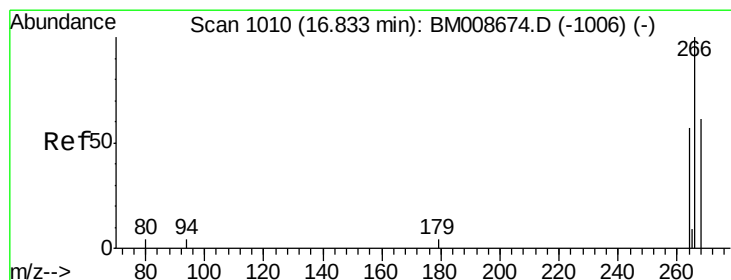
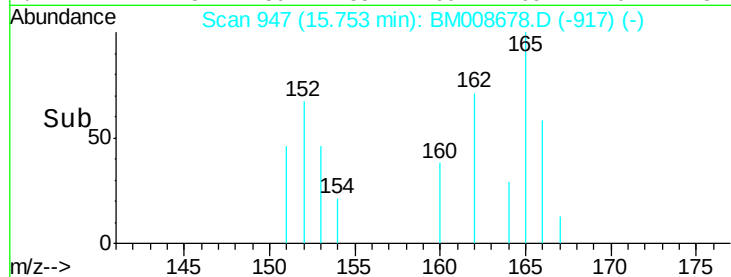
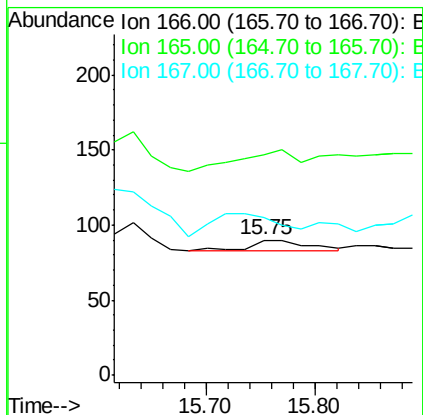
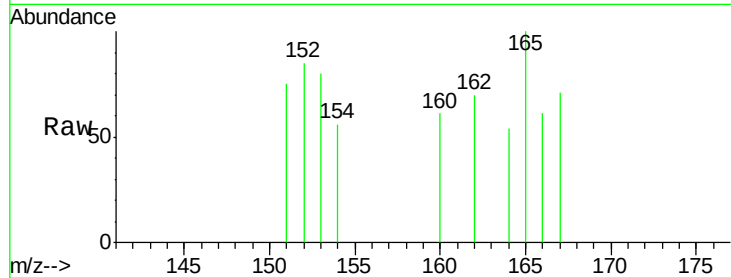
Tgt Ion:166 Resp: 27

Ion Ratio Lower Upper

166 100

165 163.3 73.4 110.2#

167 116.7 14.6 22.0#



#11

Pentachlorophenol

Concen: 1.09 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.29 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

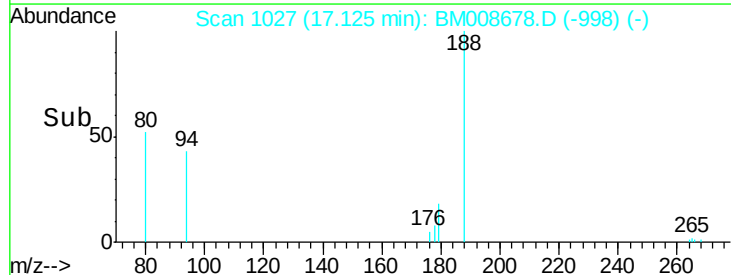
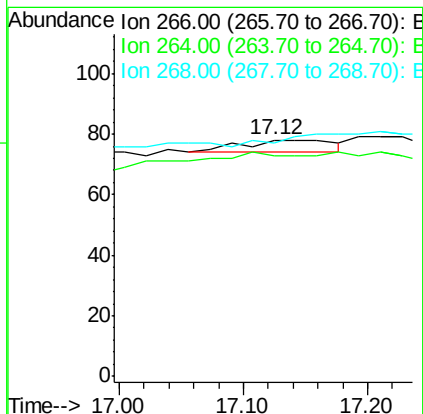
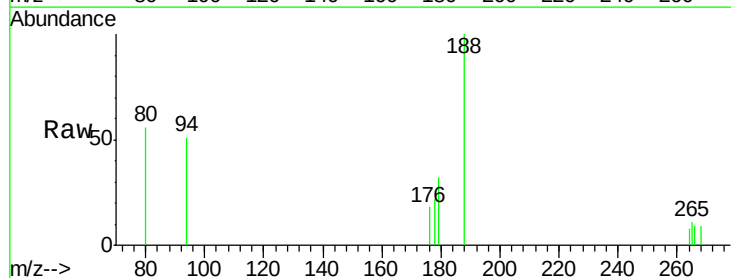
Tgt Ion:266 Resp: 22

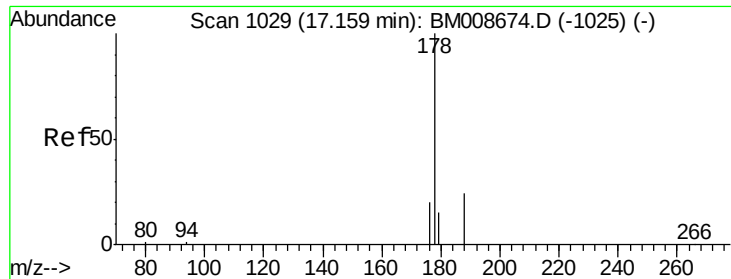
Ion Ratio Lower Upper

266 100

264 40.9 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.88 ng/ul

RT: 17.48 min Scan# 1048

Delta R.T. 0.33 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

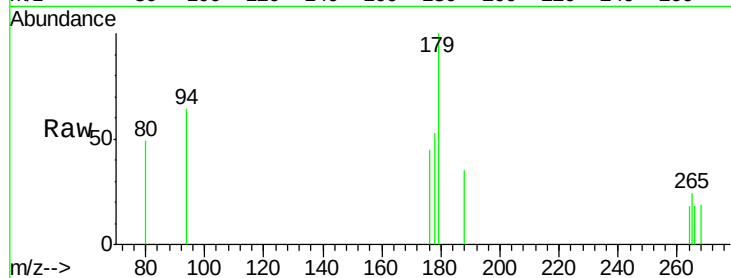
Tgt Ion:178 Resp: 174

Ion Ratio Lower Upper

178 100

176 85.5 18.4 27.6#

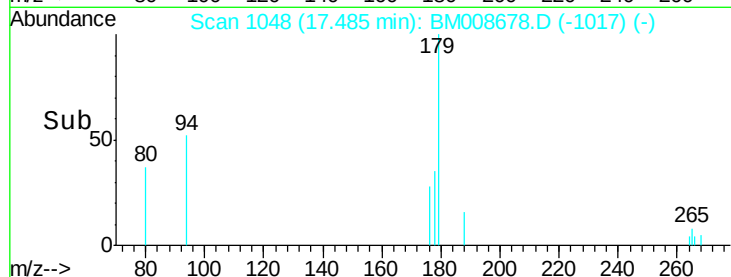
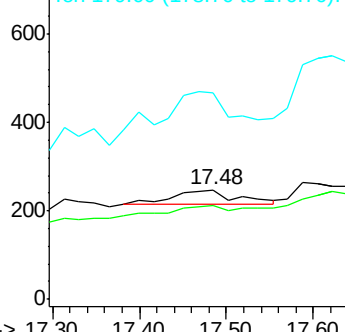
179 188.3 13.6 20.4#



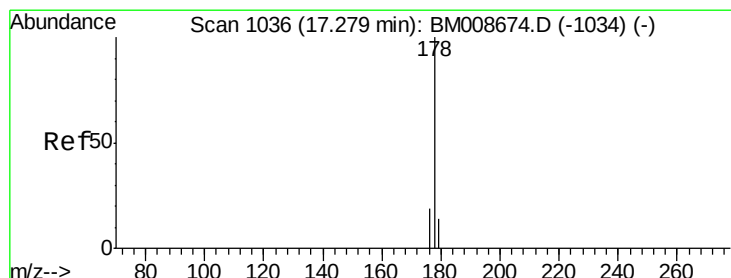
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.30 17.40 17.50 17.60



#13

Anthracene

Concen: 0.78 ng/ul

RT: 17.59 min Scan# 1054

Delta R.T. 0.31 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

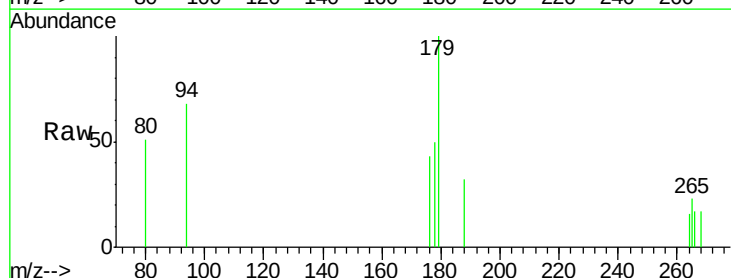
Tgt Ion:178 Resp: 150

Ion Ratio Lower Upper

178 100

176 85.9 18.1 27.1#

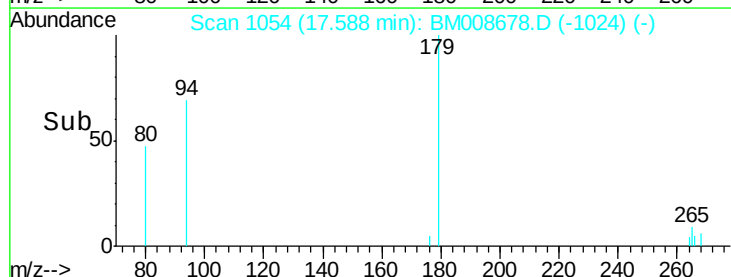
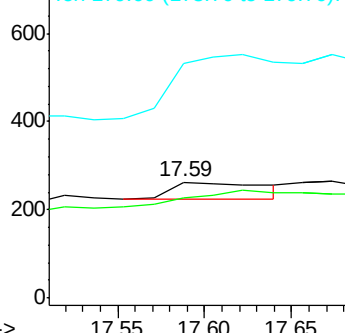
179 201.9 14.7 22.1#



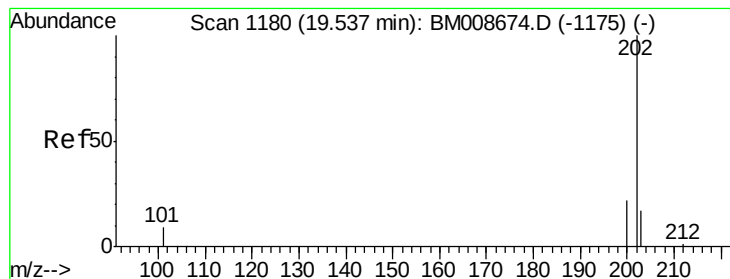
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.55 17.60 17.65



#17

Pyrene

Concen: 0.13 ng/ul

RT: 20.00 min Scan# 1219

Delta R.T. 0.47 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

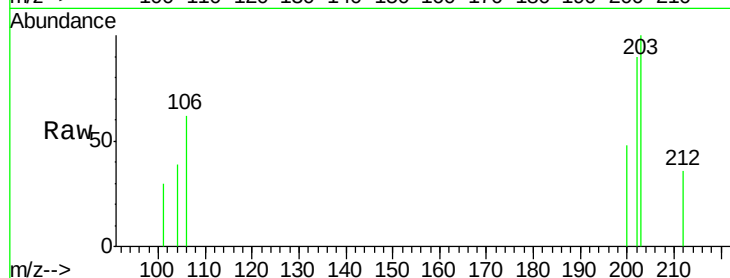
Tgt Ion:202 Resp: 28

Ion Ratio Lower Upper

202 100

200 54.0 18.2 27.4#

203 111.7 15.6 23.4#



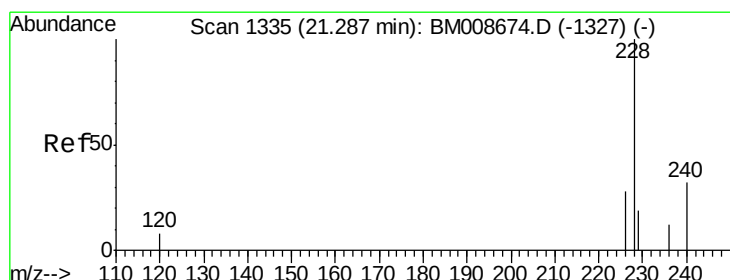
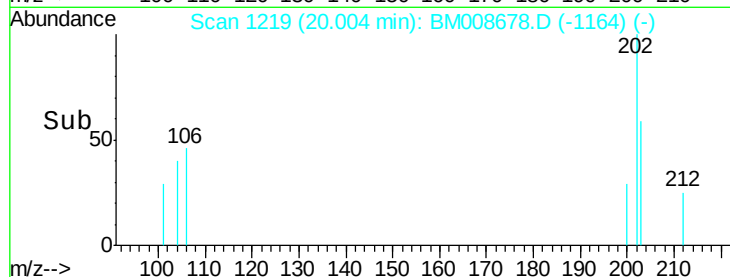
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

20.00

Time-->



#18

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.78 min Scan# 1383

Delta R.T. 0.50 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

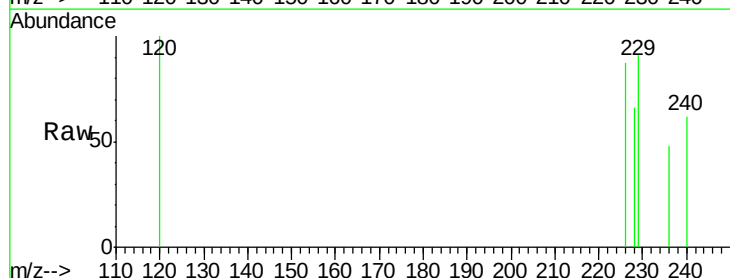
Tgt Ion:228 Resp: 26

Ion Ratio Lower Upper

228 100

226 131.9 22.8 34.2#

229 138.5 17.0 25.6#



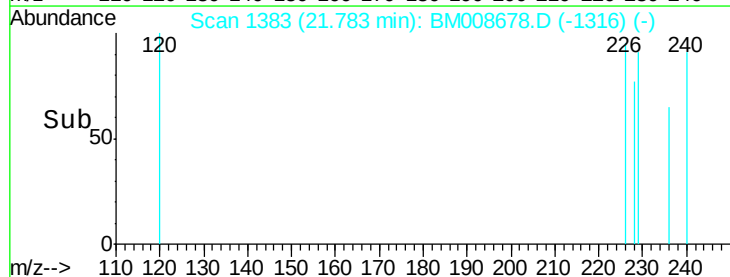
Abundance Ion 228.00 (227.70 to 228.70): E

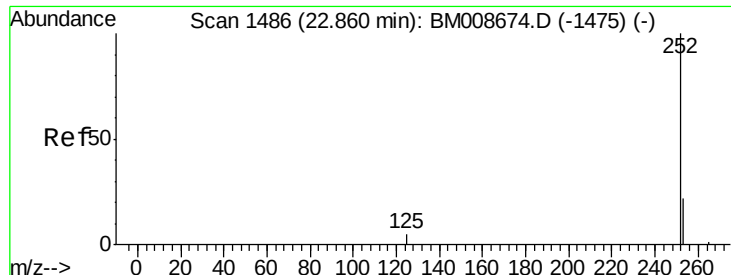
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.78

Time-->





#21

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 23.28 min Scan# 1527

Delta R.T. 0.42 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

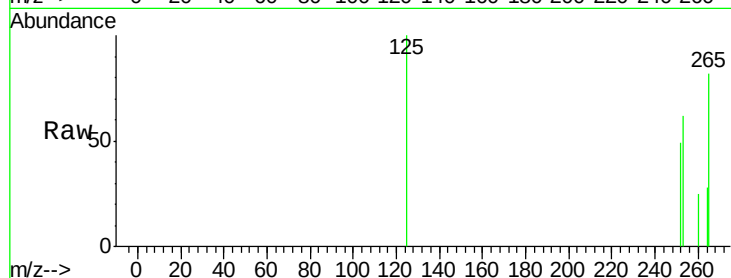
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

252 100

253 127.8 0.0 64.2#

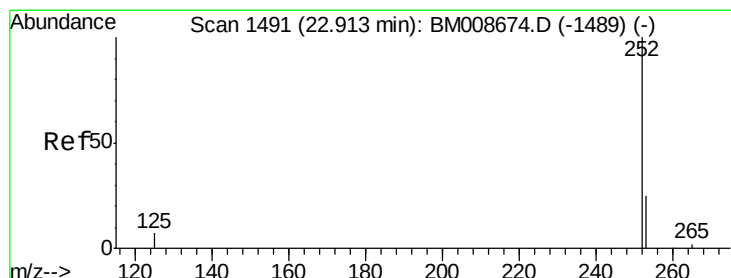
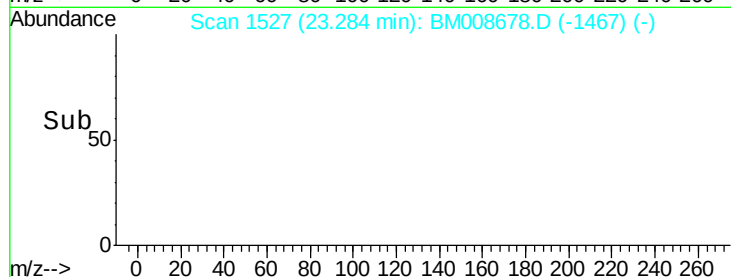
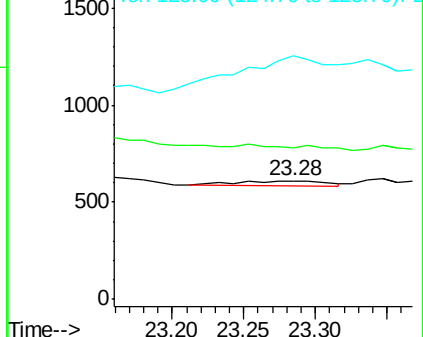
125 205.2 0.0 35.0#



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: 0.60 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. 0.43 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

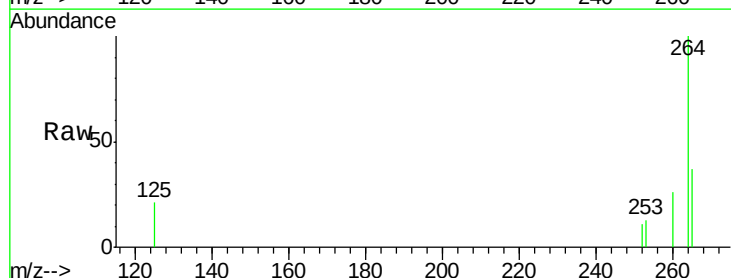
Tgt Ion:252 Resp: 181

Ion Ratio Lower Upper

252 100

253 127.6 24.5 36.7#

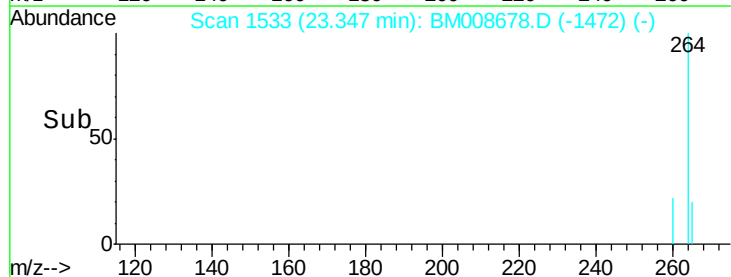
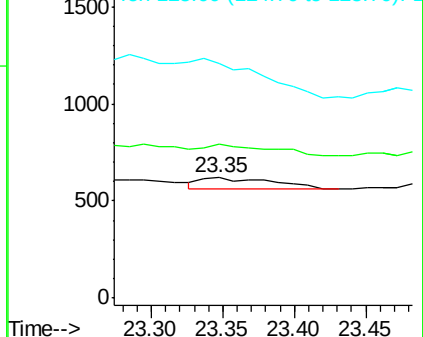
125 195.2 13.7 20.5#

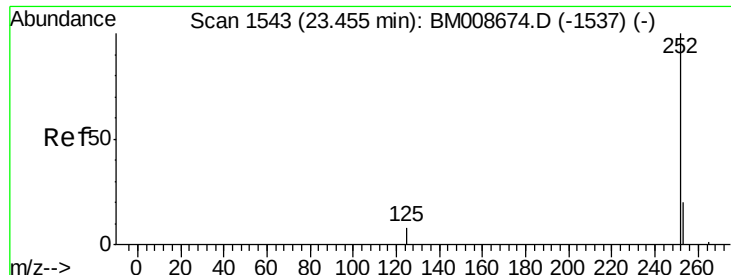


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.81 ng/ul

RT: 23.90 min Scan# 1586

Delta R.T. 0.44 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

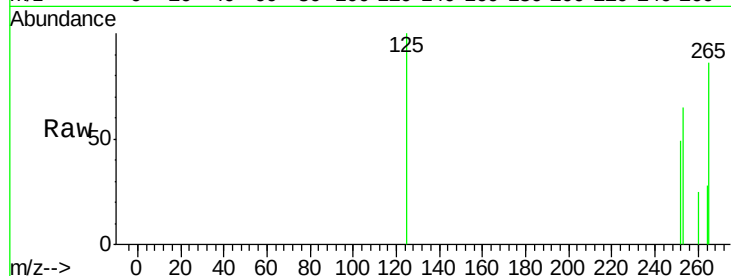
Tgt Ion: 252 Resp: 230

Ion Ratio Lower Upper

252 100

253 132.2 28.5 42.7#

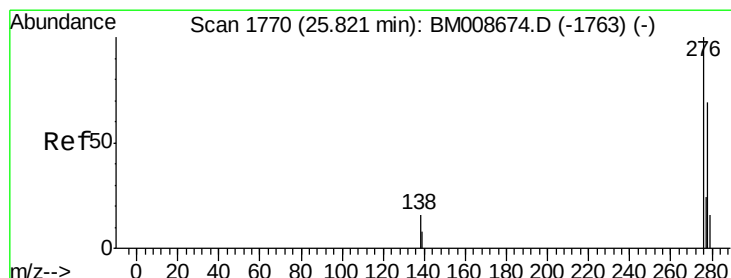
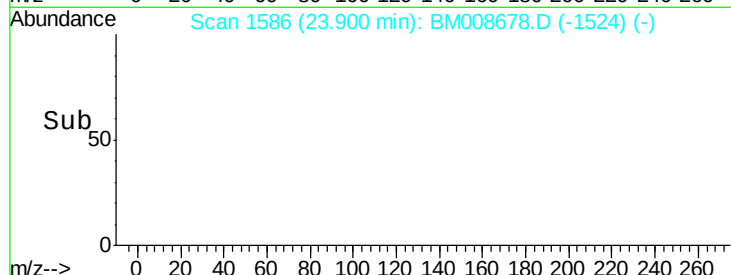
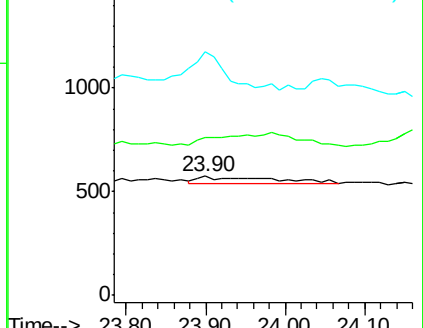
125 204.7 18.1 27.1#



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: 0.68 ng/ul

RT: 26.32 min Scan# 1818

Delta R.T. 0.50 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

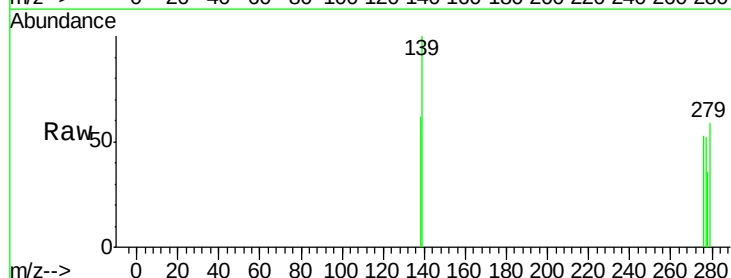
Tgt Ion: 276 Resp: 230

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

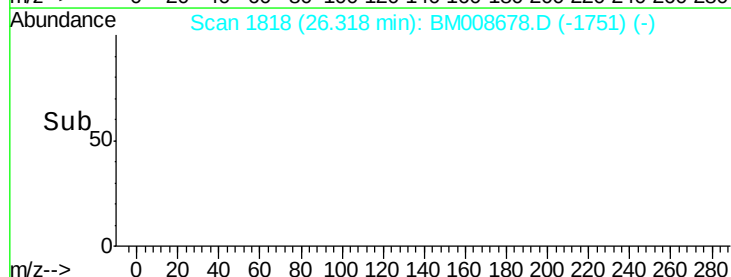
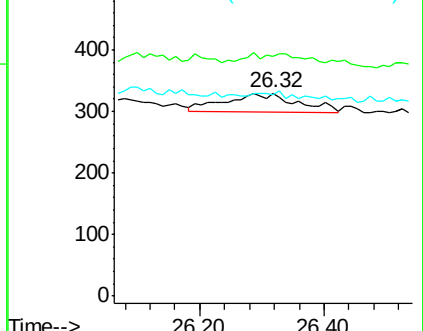
277 26.5 19.6 29.4

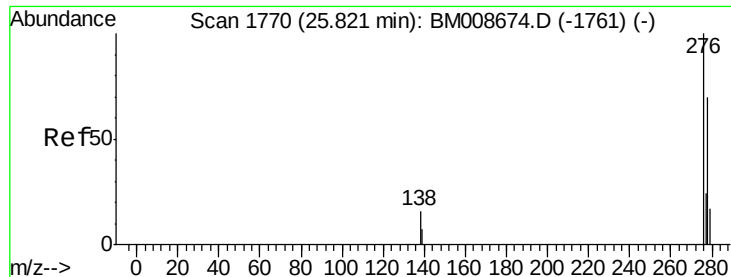


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 26.30 min Scan# 1816

Delta R.T. 0.48 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

Instrument :

BNA_M

ClientSampleId :

DA8X0DL

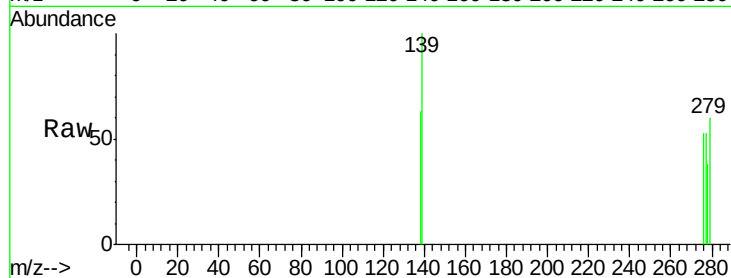
Tgt Ion: 278 Resp: 12

Ion Ratio Lower Upper

278 100

139 266.7 17.4 26.0#

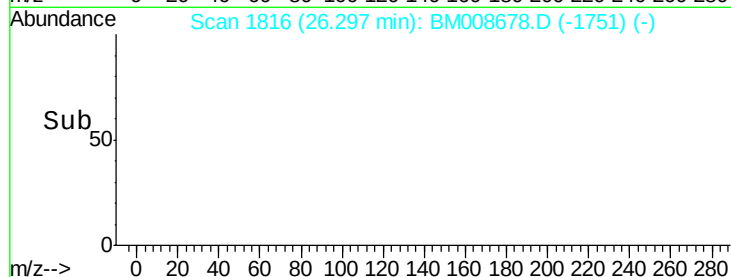
279 159.7 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

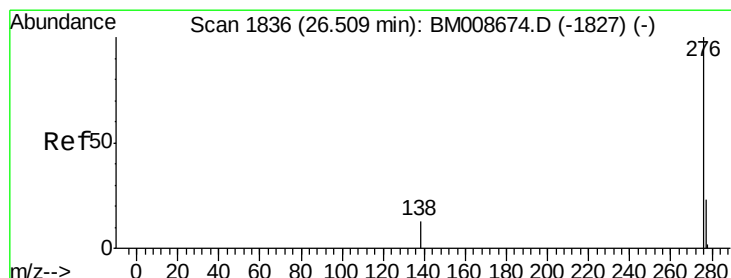
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



26.30

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 26.97 min Scan# 1881

Delta R.T. 0.47 min

Lab File: BM008678.D

Acq: 27 Dec 2016 18:00

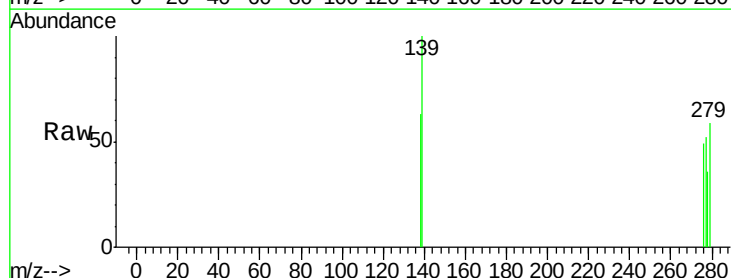
Tgt Ion: 276 Resp: 16

Ion Ratio Lower Upper

276 100

277 105.9 21.8 32.8#

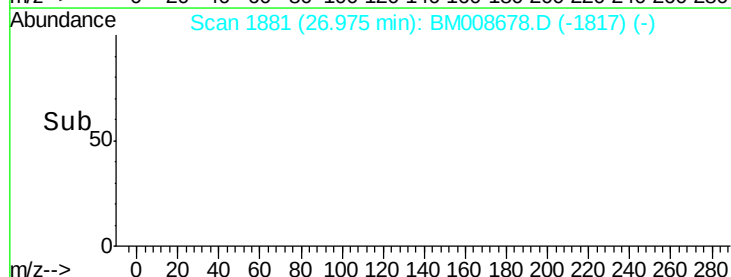
138 130.3 20.5 30.7#



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



26.97

Time-->