

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112216\
 Data File : BM008001.D
 Acq On : 22 Nov 2016 19:11
 Operator : UM/SJ
 Sample : H5695-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST6

Quant Time: Nov 23 00:49:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 16:05:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	753	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2603	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1605	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	131097	0.40	ng/ul	0.09
16) Chrysene-d12	21.29	240	3165	0.40	ng/ul	-0.01
20) Perylene-d12	23.53	264	3282	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	736	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.23	212	60	0.00	ng/ul	0.08

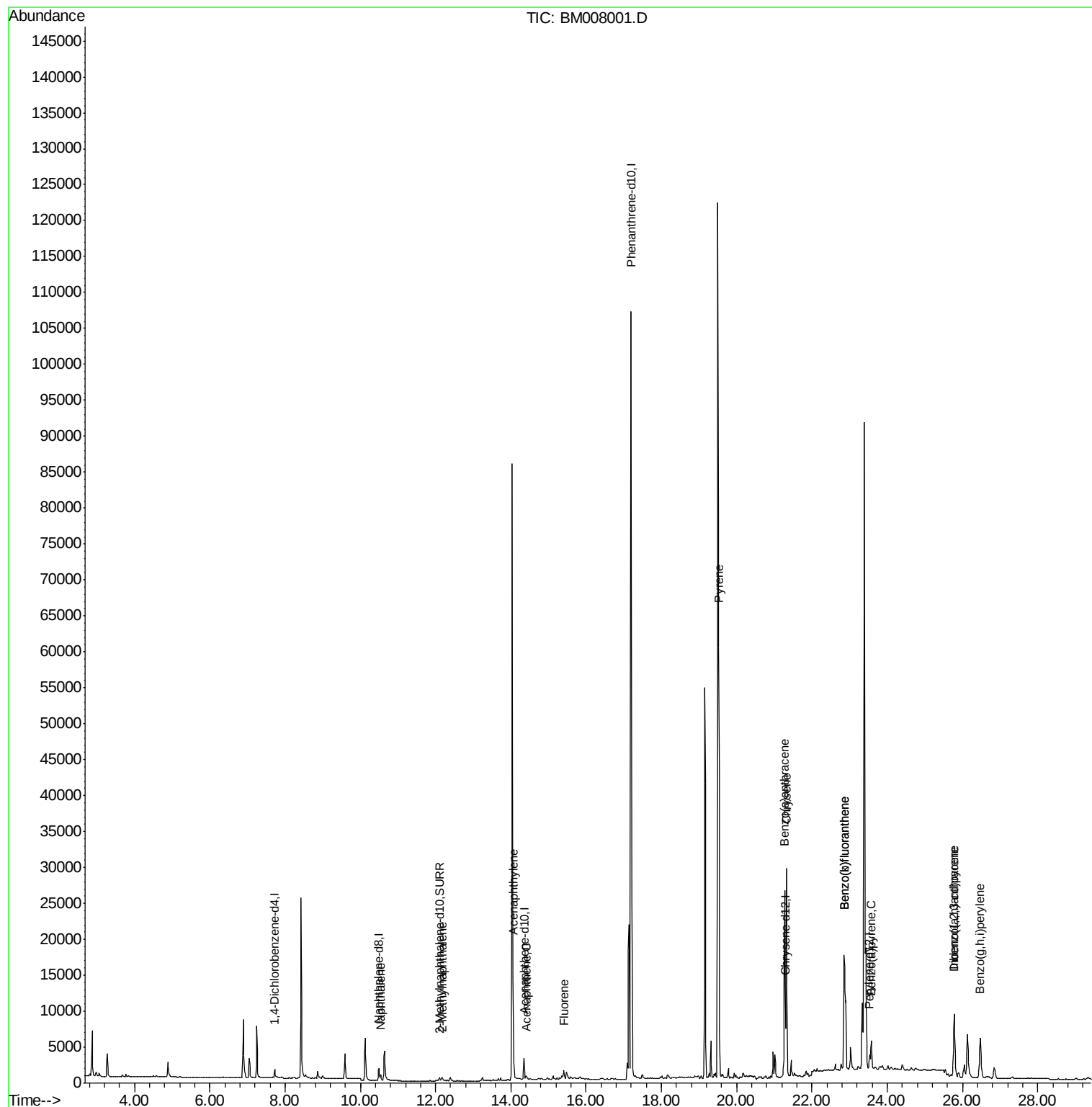
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	1308	0.18	ng/ul#	93
5) 2-Methylnaphthalene	12.17	142	469	0.10	ng/ul	98
7) Acenaphthylene	14.06	152	3194	0.44	ng/ul	97
8) Acenaphthene	14.40	153	341	0.06	ng/ul#	86
9) Fluorene	15.41	166	987	0.16	ng/ul#	96
17) Pyrene	19.52	202	56433	5.14	ng/ul	96
18) Benzo(a)anthracene	21.27	228	22914	2.36	ng/ul	98
19) Chrysene	21.32	228	26625	2.20	ng/ul	98
21) Benzo(b)fluoranthene	22.86	252	39542	3.02	ng/ul	86
22) Benzo(k)fluoranthene	22.86	252	39542	2.93	ng/ul#	88
23) Benzo(a)pyrene	23.58	252	4601	0.37	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.78	276	14895	0.98	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.79	278	3572	0.29	ng/ul#	88
26) Benzo(g,h,i)perylene	26.47	276	12324	0.92	ng/ul#	91

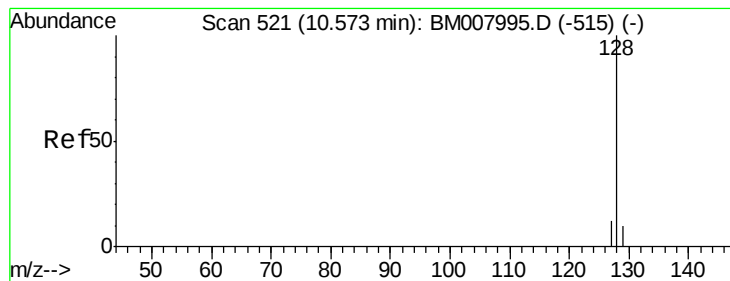
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.18 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

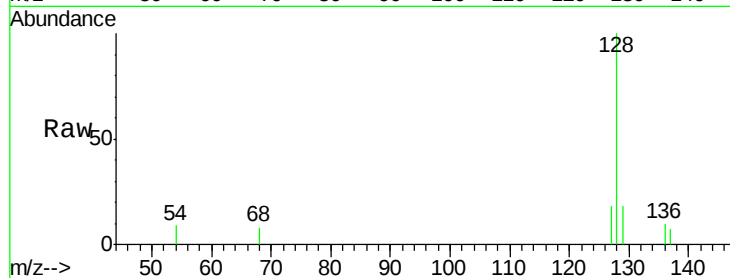
Tgt Ion:128 Resp: 1308

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

127 18.2 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

10.55

800

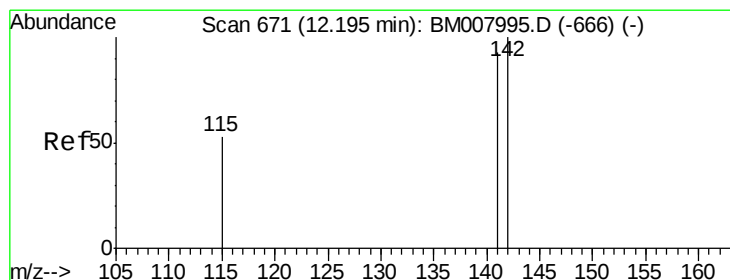
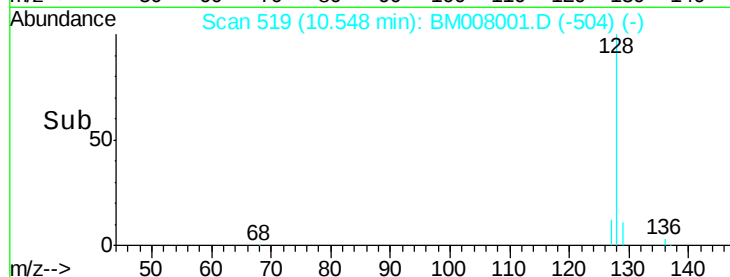
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM008001.D

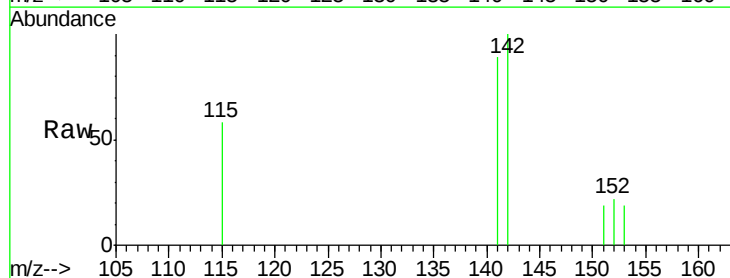
Acq: 22 Nov 2016 19:11

Tgt Ion:142 Resp: 469

Ion Ratio Lower Upper

142 100

141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.17

300

250

200

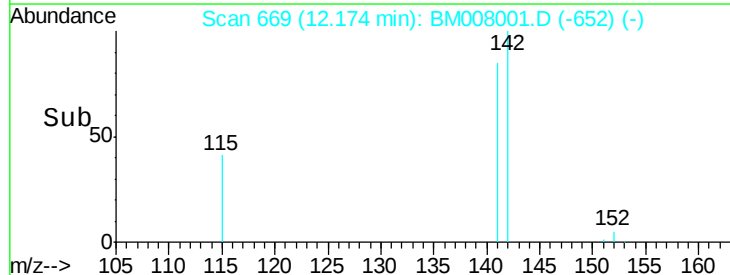
150

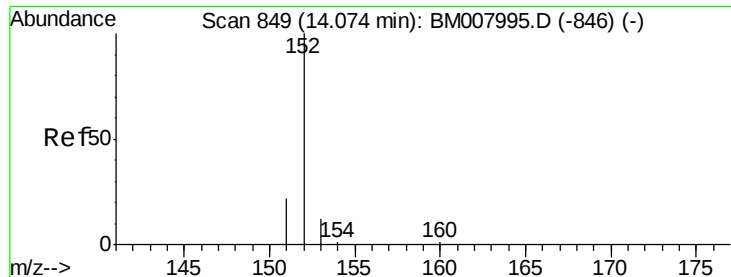
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

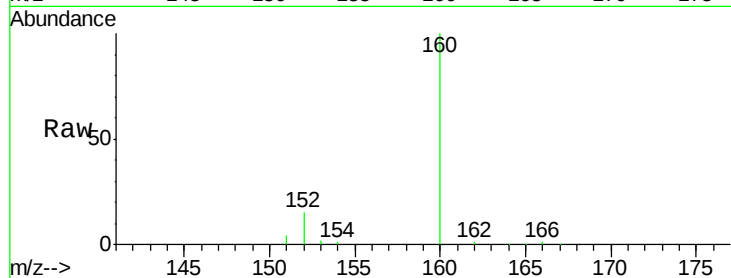
Tgt Ion:152 Resp: 3194

Ion Ratio Lower Upper

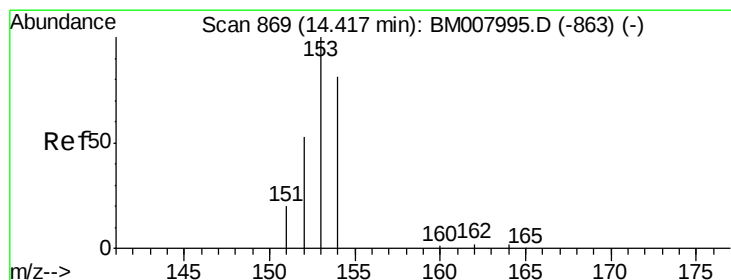
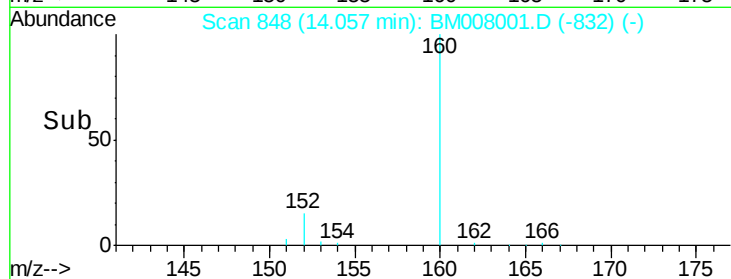
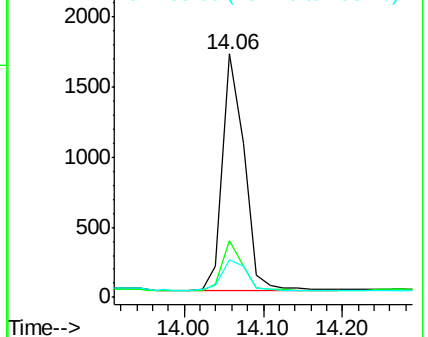
152 100

151 23.5 17.1 25.7

153 15.3 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



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

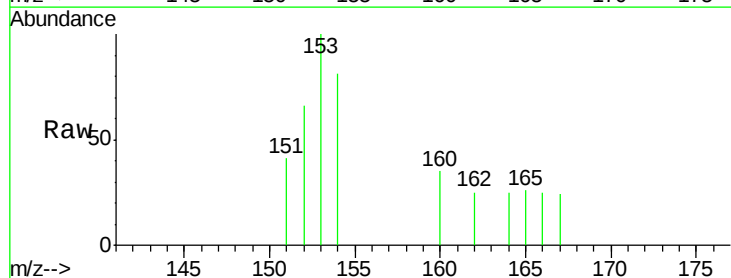
Tgt Ion:153 Resp: 341

Ion Ratio Lower Upper

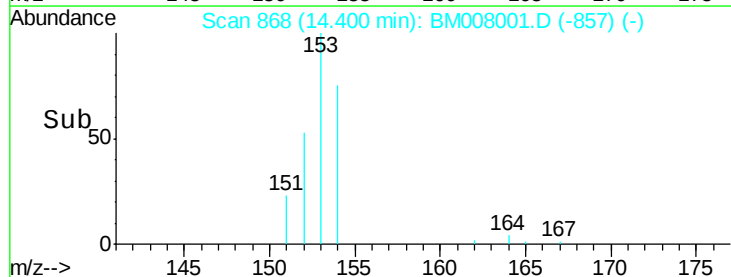
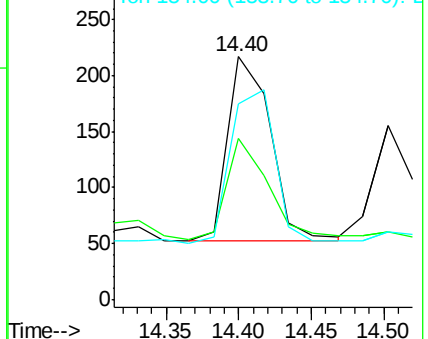
153 100

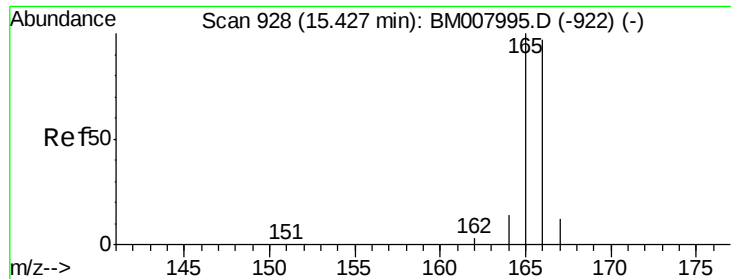
152 66.4 40.3 60.5#

154 80.6 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: 0.16 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

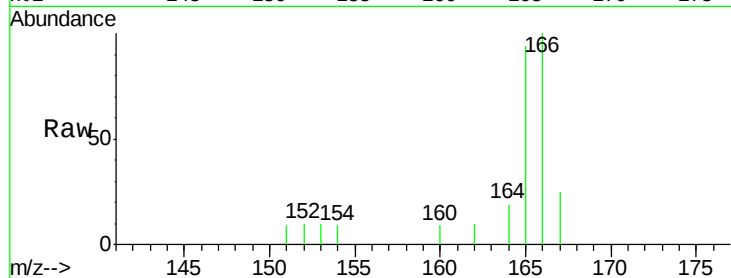
Tgt Ion:166 Resp: 987

Ion Ratio Lower Upper

166 100

165 93.7 73.4 110.2

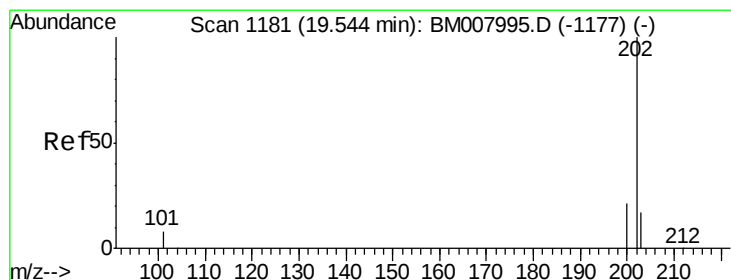
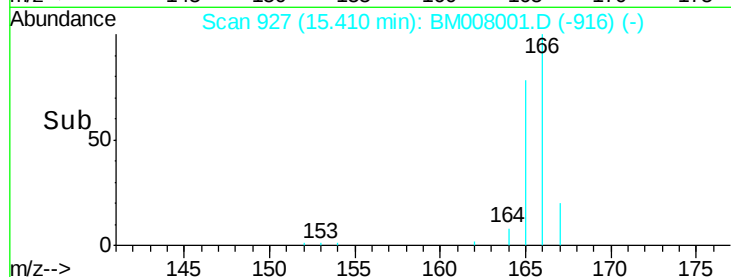
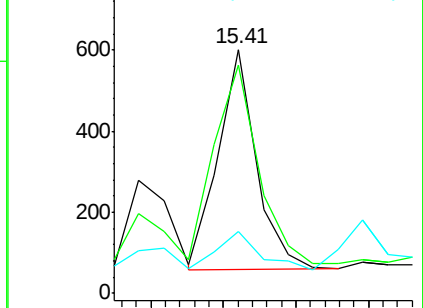
167 25.5 14.6 22.0#



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



#17

Pyrene

Concen: 5.14 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

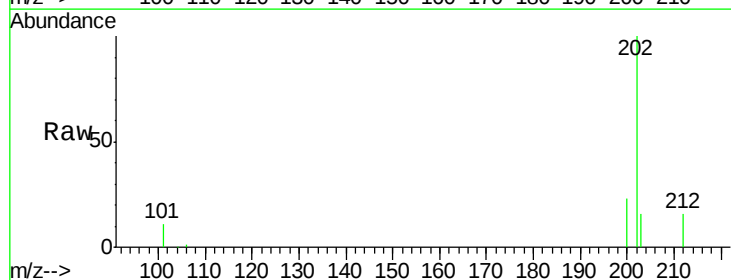
Tgt Ion:202 Resp: 56433

Ion Ratio Lower Upper

202 100

200 23.2 18.2 27.4

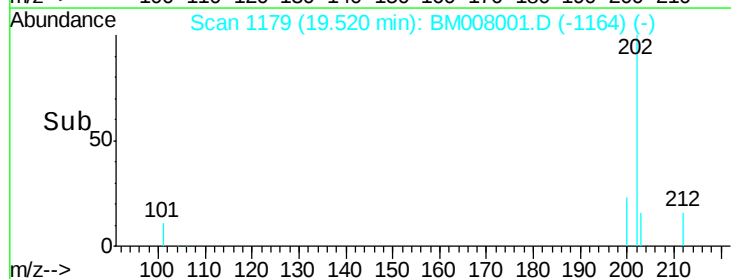
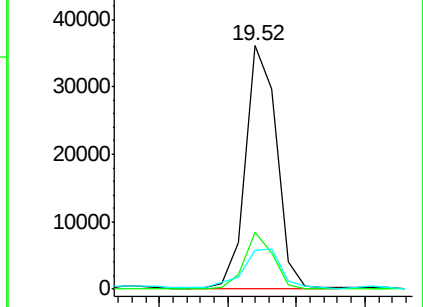
203 16.0 15.6 23.4

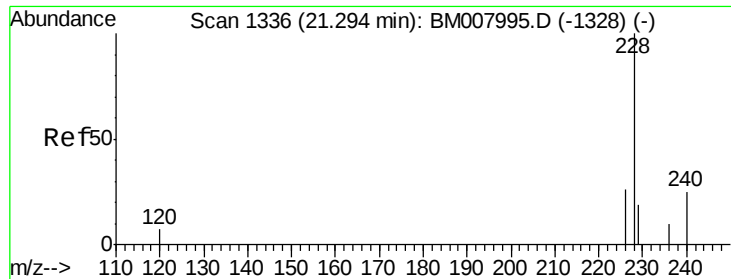


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 2.36 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

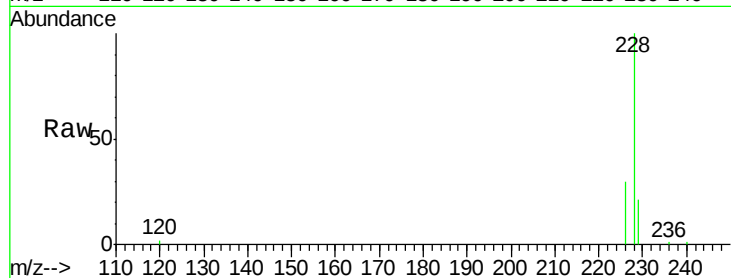
Tgt Ion:228 Resp: 22914

Ion Ratio Lower Upper

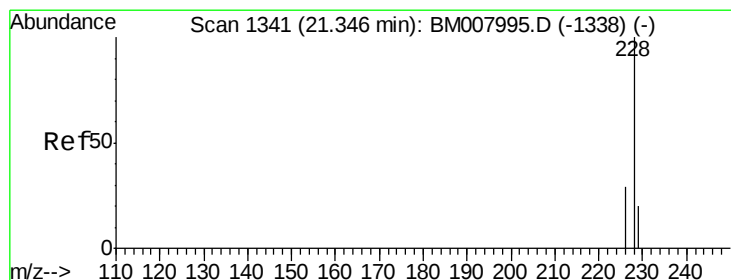
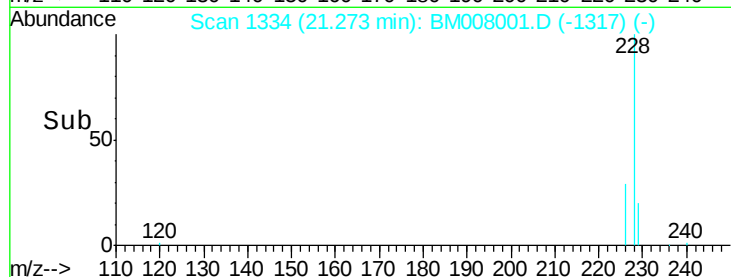
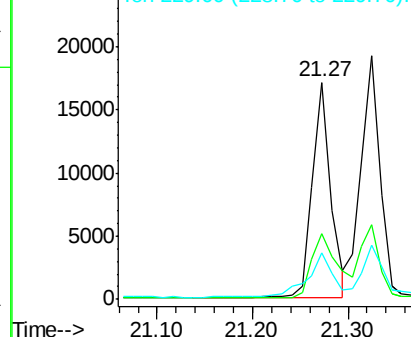
228 100

226 30.1 22.8 34.2

229 21.4 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: 2.20 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

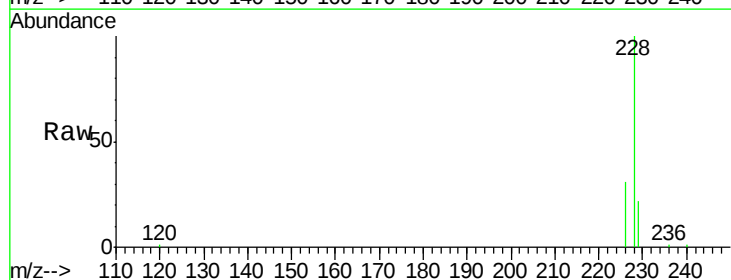
Tgt Ion:228 Resp: 26625

Ion Ratio Lower Upper

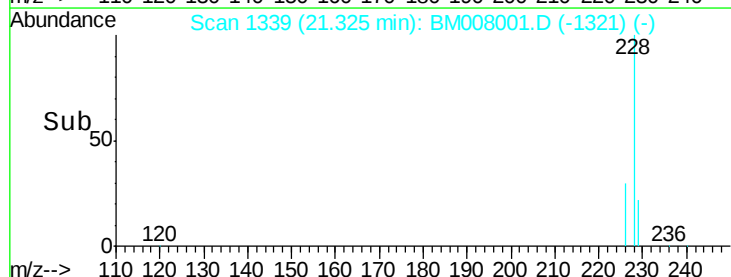
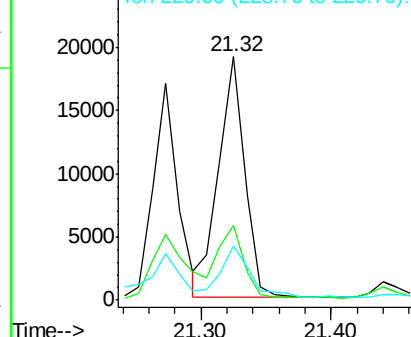
228 100

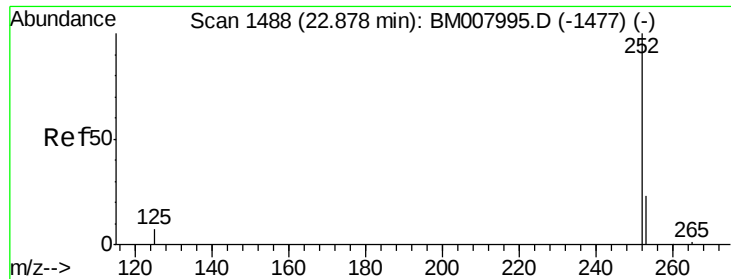
226 30.7 23.4 35.0

229 22.3 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: 3.02 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.02 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

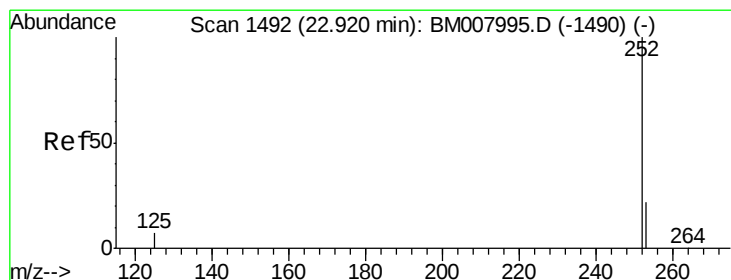
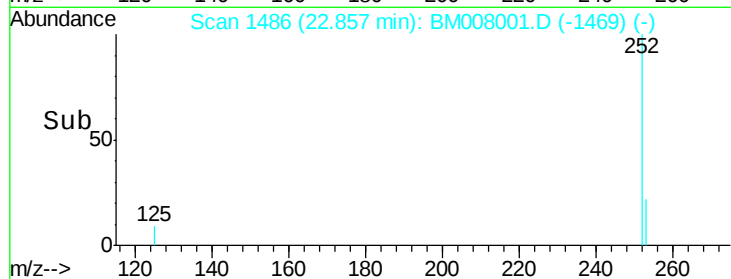
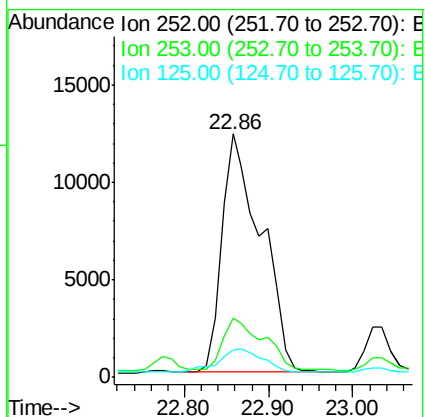
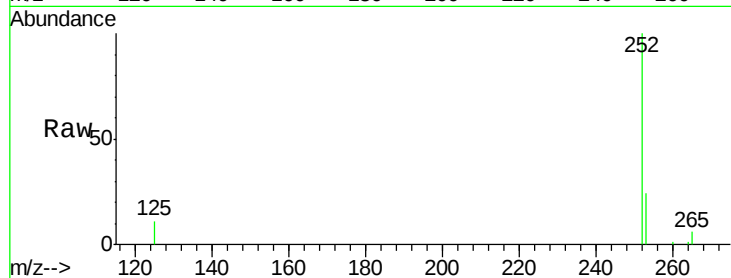
Tgt Ion:252 Resp: 39542

Ion Ratio Lower Upper

252 100

253 24.3 0.0 64.2

125 11.1 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 2.93 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.06 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

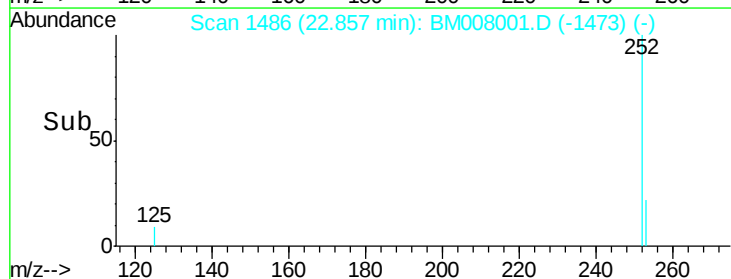
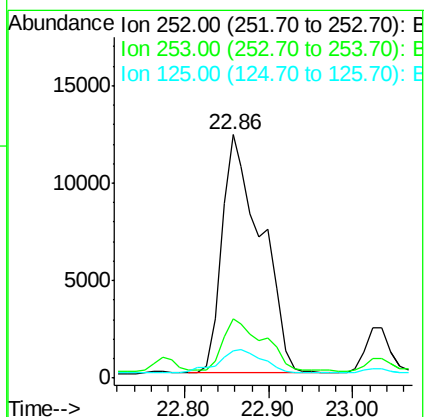
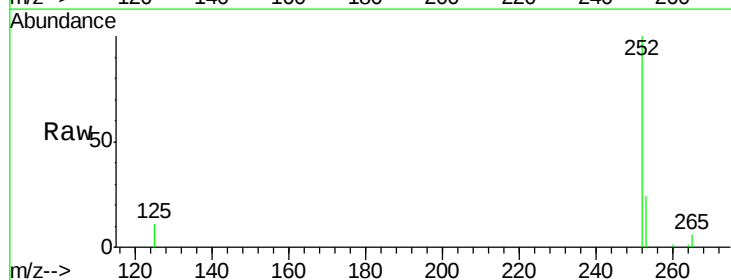
Tgt Ion:252 Resp: 39542

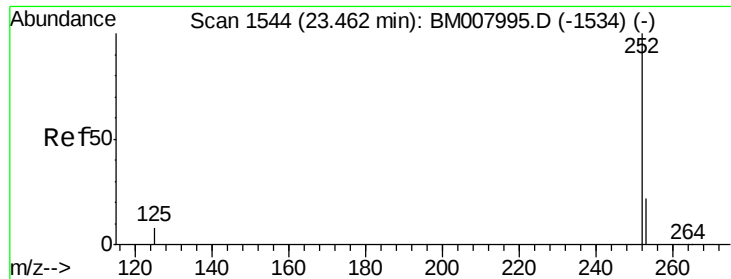
Ion Ratio Lower Upper

252 100

253 24.3 24.5 36.7#

125 11.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.12 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

ClientSampleId :

JHST6

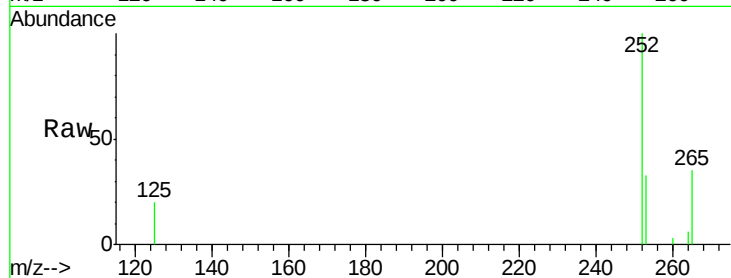
Tgt Ion:252 Resp: 4601

Ion Ratio Lower Upper

252 100

253 33.4 28.5 42.7

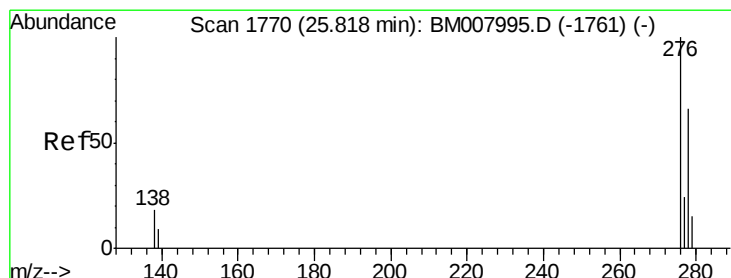
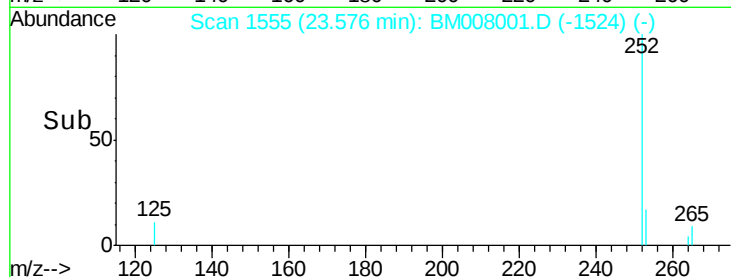
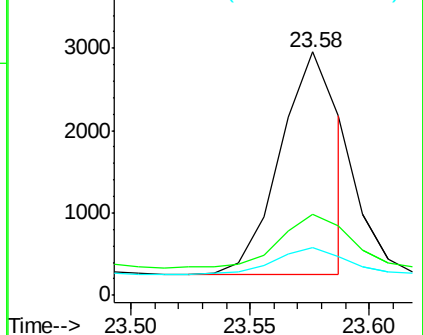
125 19.6 18.1 27.1



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: 0.98 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.04 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

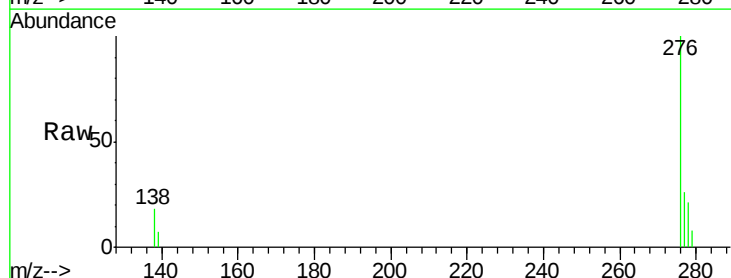
Tgt Ion:276 Resp: 14895

Ion Ratio Lower Upper

276 100

138 16.7 19.1 28.7#

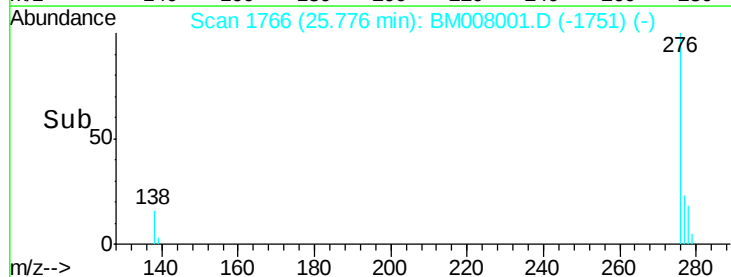
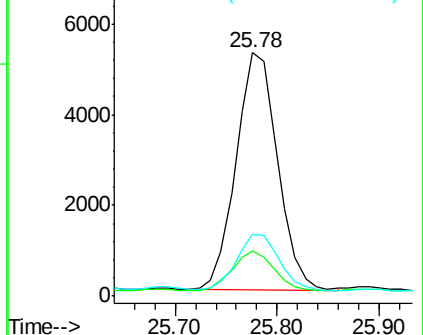
277 24.0 19.6 29.4

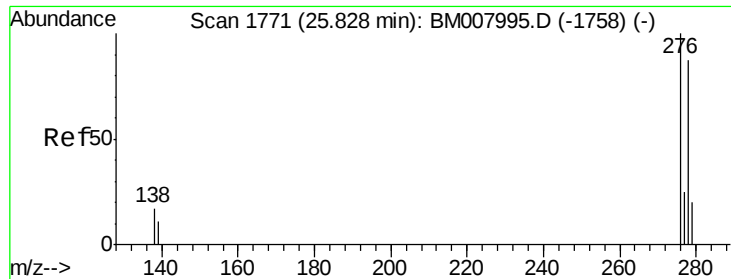


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.29 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.04 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

Instrument :

BNA_M

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JHST6

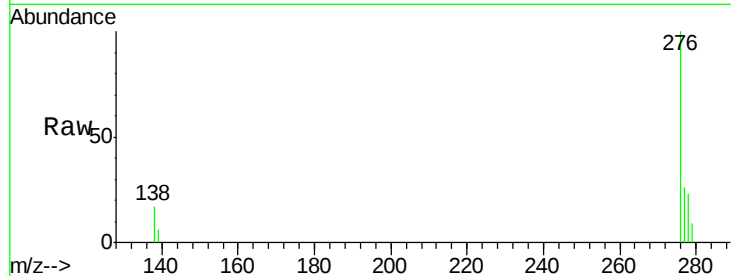
Tgt Ion: 278 Resp: 3572

Ion Ratio Lower Upper

278 100

139 28.6 17.4 26.0#

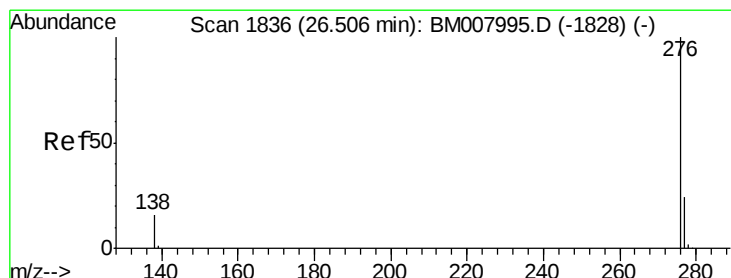
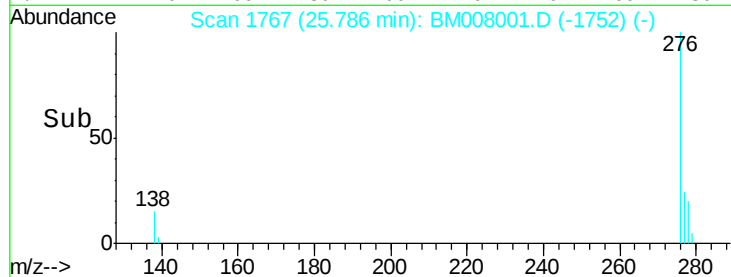
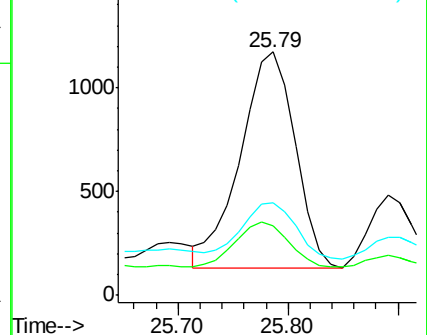
279 37.9 25.9 38.9



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: 0.92 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. -0.03 min

Lab File: BM008001.D

Acq: 22 Nov 2016 19:11

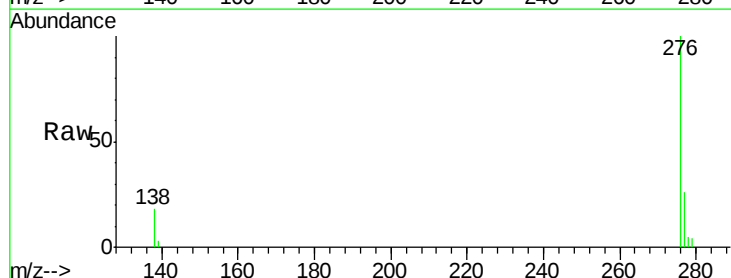
Tgt Ion: 276 Resp: 12324

Ion Ratio Lower Upper

276 100

277 25.7 21.8 32.8

138 18.0 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

