

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008261.D
 Acq On : 12 Dec 2016 13:43
 Operator : UM/SJ
 Sample : H5905-02RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA804RE

Quant Time: Dec 13 02:30:27 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 Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	577	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.40	136	616	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.25	164	1893	0.40	ng/ul	-0.09
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.09
16) Chrysene-d12	21.27	240	1141	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	841	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	1102	1.26	ng/ul	-0.05
14) Fluoranthene-d10	19.11	212	9733	0.00	ng/ul	-0.01

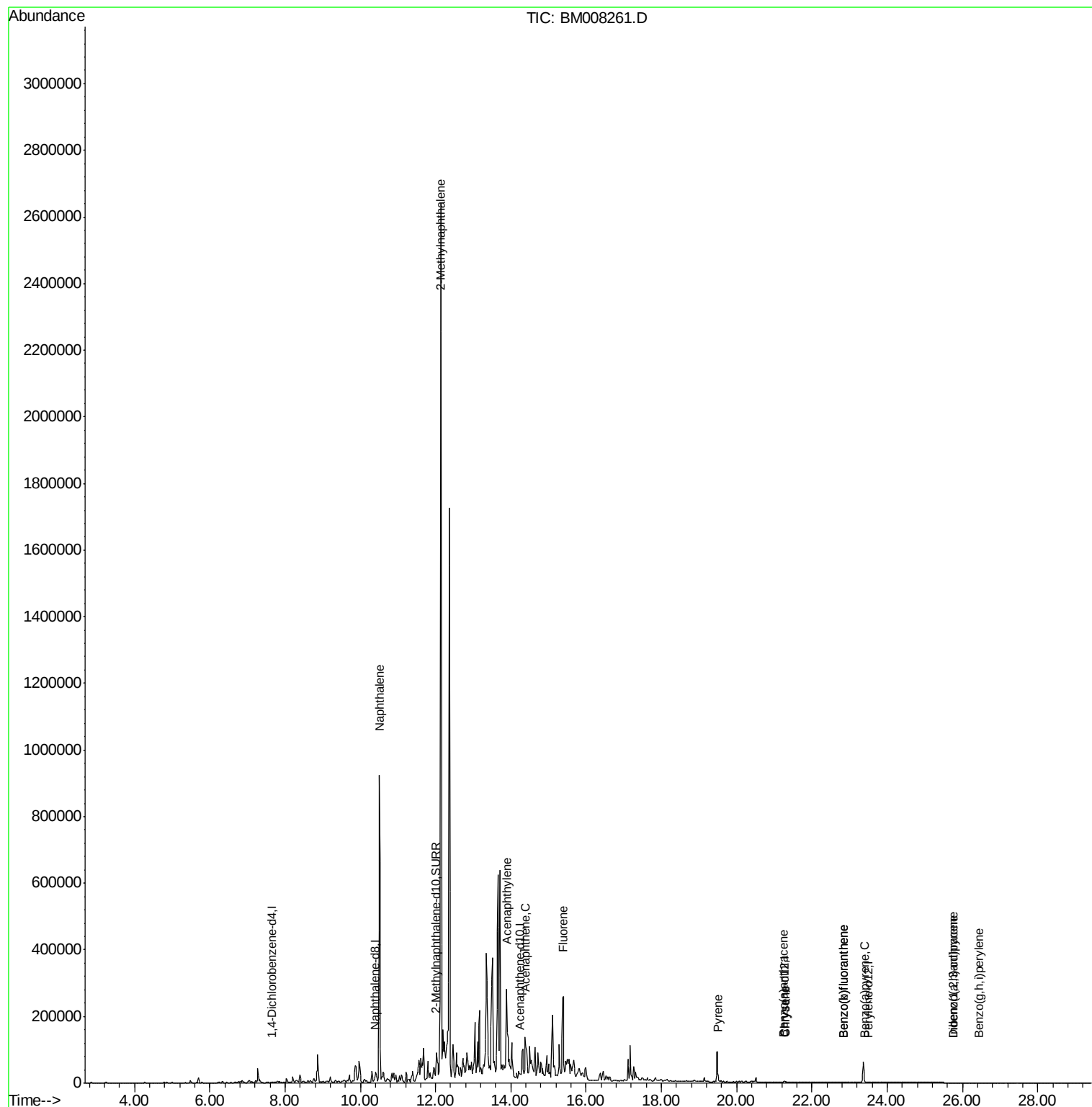
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	1317399	764.75	ng/ul#	94
5) 2-Methylnaphthalene	12.14	142	2066150	1860.67	ng/ul	99
7) Acenaphthylene	13.89	152	47217	5.51	ng/ul#	1
8) Acenaphthene	14.38	153	85595	13.13	ng/ul	88
9) Fluorene	15.39	166	191700	25.59	ng/ul	98
17) Pyrene	19.51	202	13563	3.42	ng/ul#	85
18) Benzo(a)anthracene	21.25	228	1731	0.49	ng/ul#	42
19) Chrysene	21.30	228	1969	0.45	ng/ul#	45
21) Benzo(b)fluoranthene	22.84	252	1294	0.39	ng/ul#	16
22) Benzo(k)fluoranthene	22.84	252	1294	0.37	ng/ul#	13
23) Benzo(a)pyrene	23.41	252	679	0.22	ng/ul#	17
24) Indeno(1,2,3-cd)pyrene	25.76	276	336	0.09	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	118	0.04	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	336	0.10	ng/ul#	27

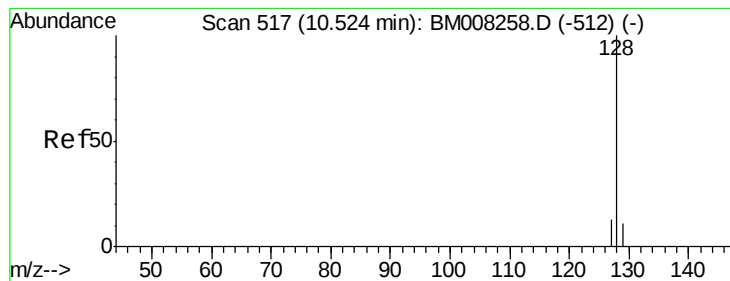
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 764.75 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

BNA_M

ClientSampleId :

DA804RE

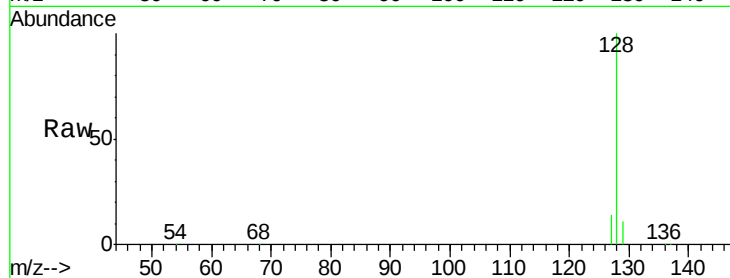
Tgt Ion:128 Resp: 1317399

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9#

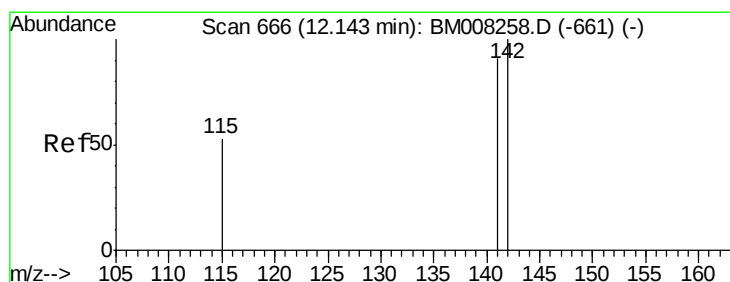
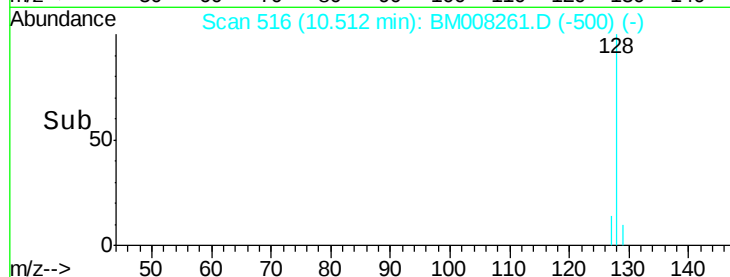
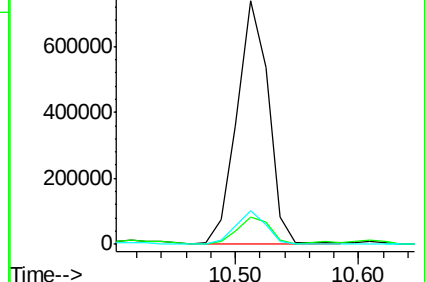
127 13.7 12.8 19.2



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: 1860.67 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008261.D

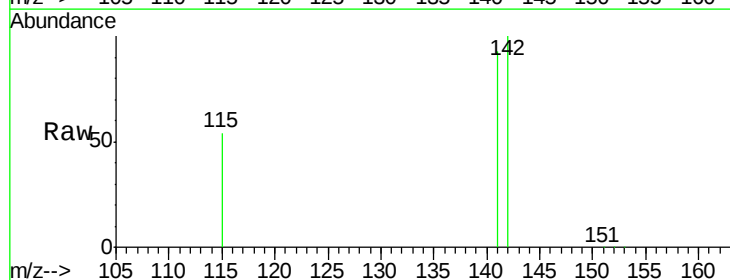
Acq: 12 Dec 2016 13:43

Tgt Ion:142 Resp: 2066150

Ion Ratio Lower Upper

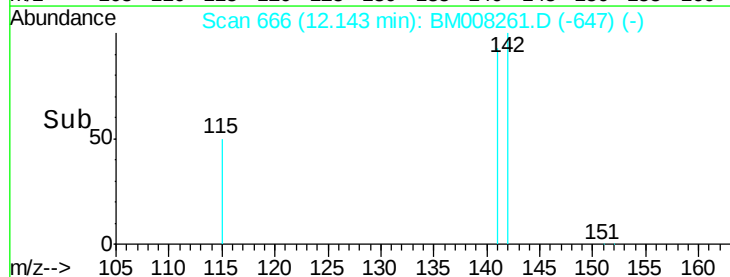
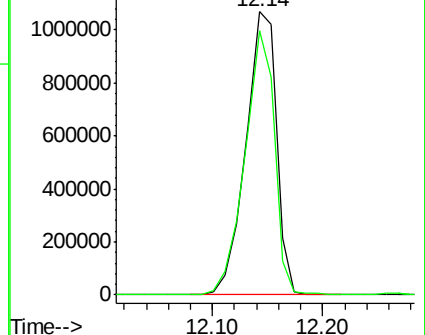
142 100

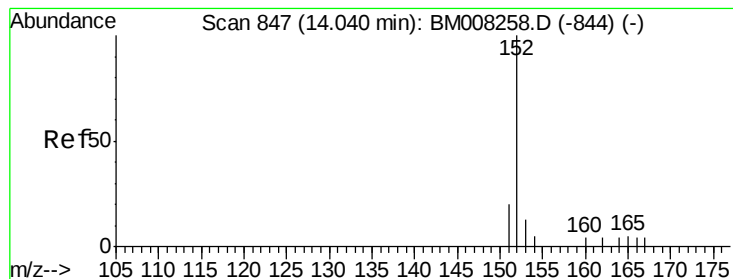
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.51 ng/ul

RT: 13.89 min Scan# 834

Delta R.T. -0.15 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

BNA_M

ClientSampleId :

DA804RE

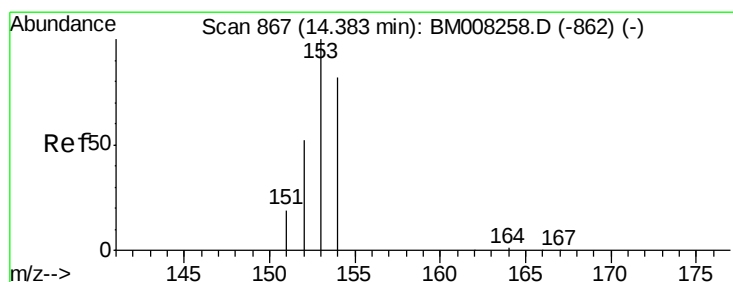
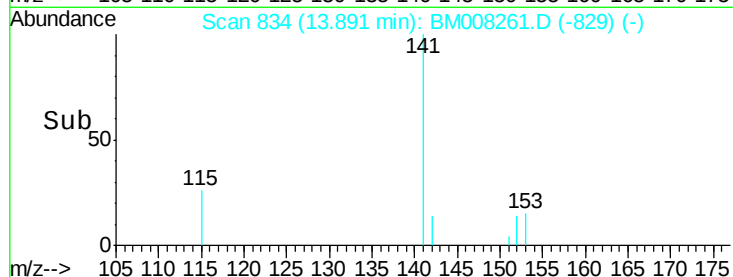
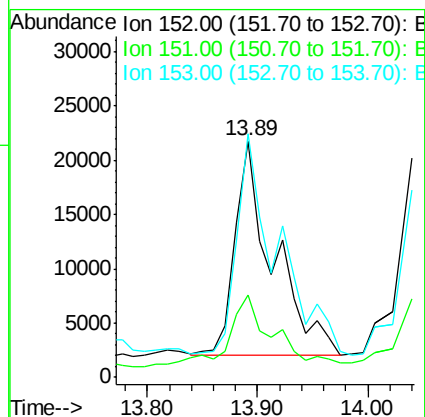
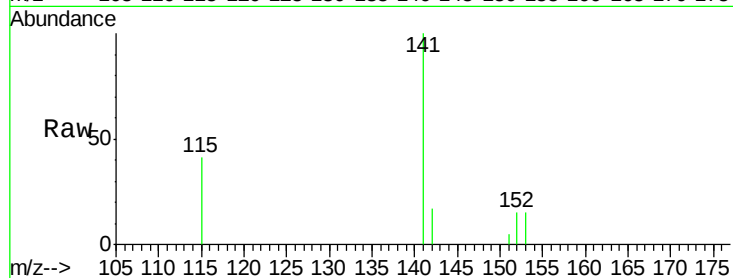
Tgt Ion:152 Resp: 47217

Ion Ratio Lower Upper

152 100

151 34.8 17.1 25.7#

153 103.0 12.8 19.2#



#8

Acenaphthene

Concen: 13.13 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

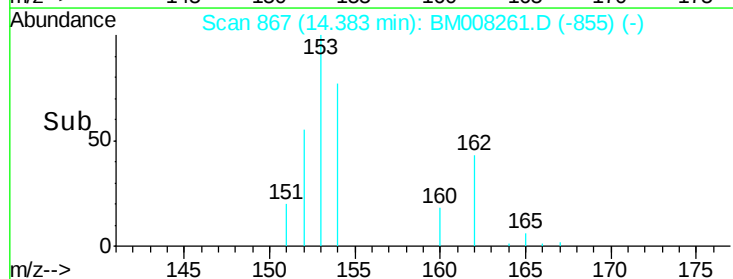
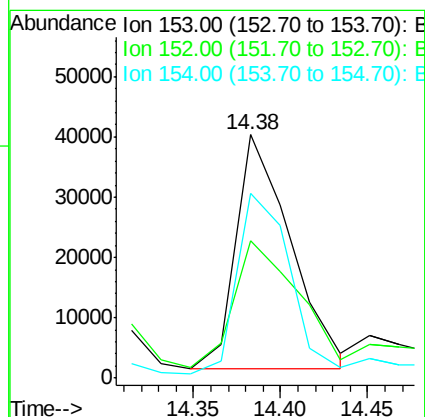
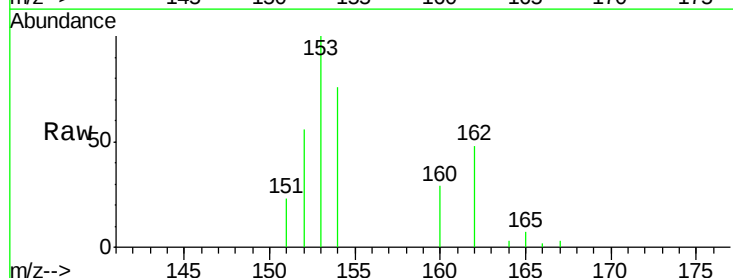
Tgt Ion:153 Resp: 85595

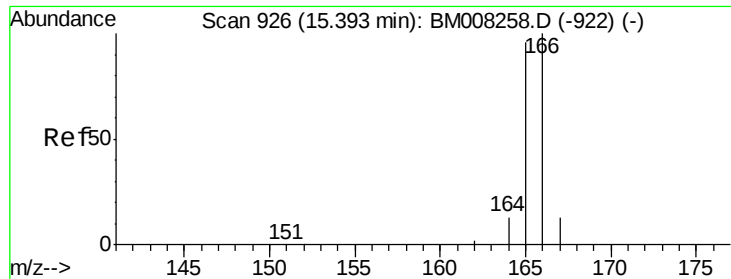
Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

154 75.6 71.4 107.2





#9

Fluorene

Concen: 25.59 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

BNA_M

ClientSampleId :

DA804RE

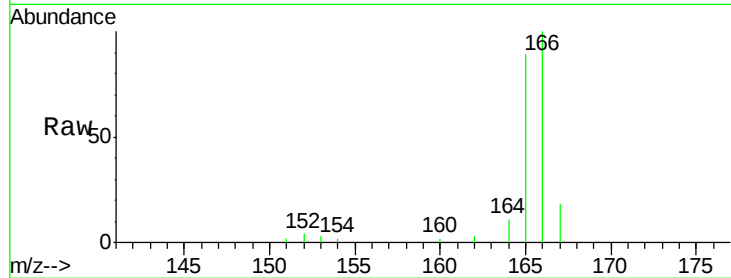
Tgt Ion:166 Resp: 191700

Ion Ratio Lower Upper

166 100

165 89.5 73.4 110.2

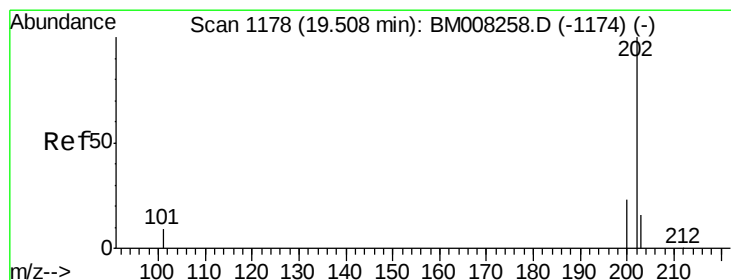
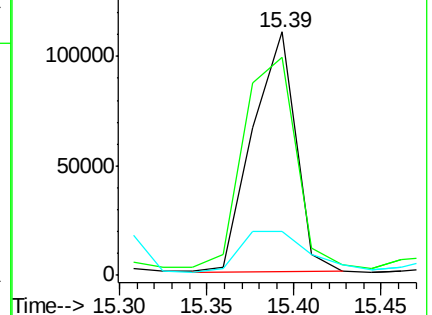
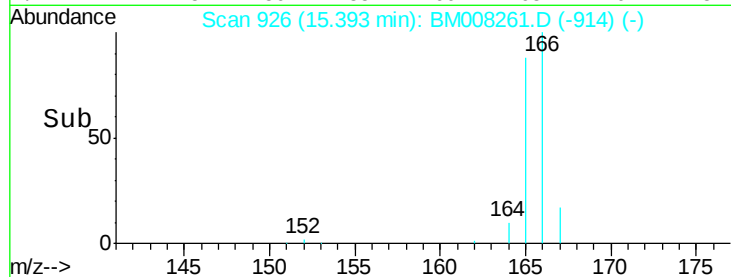
167 17.9 14.6 22.0



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: 3.42 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

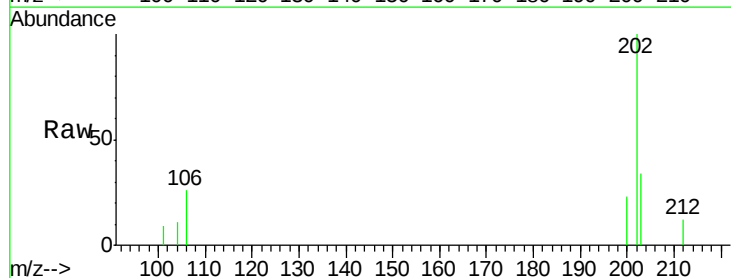
Tgt Ion:202 Resp: 13563

Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.4

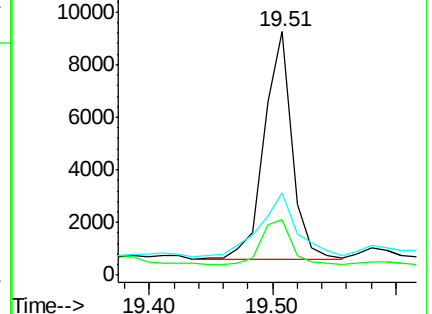
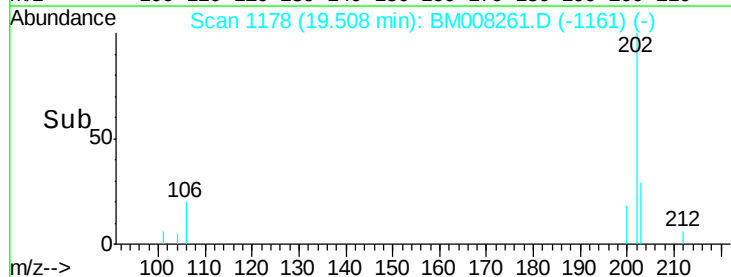
203 34.0 15.6 23.4#

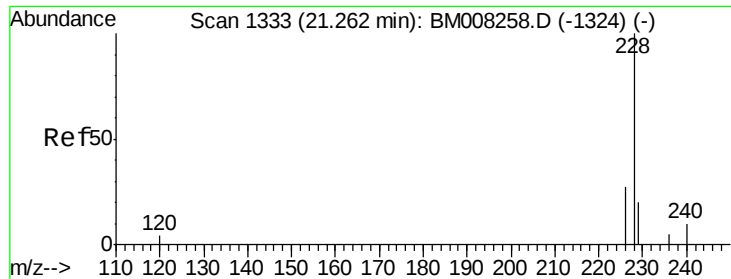


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.49 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

BNA_M

ClientSampleId :

DA804RE

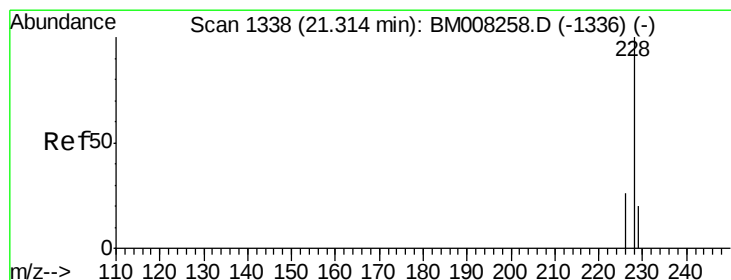
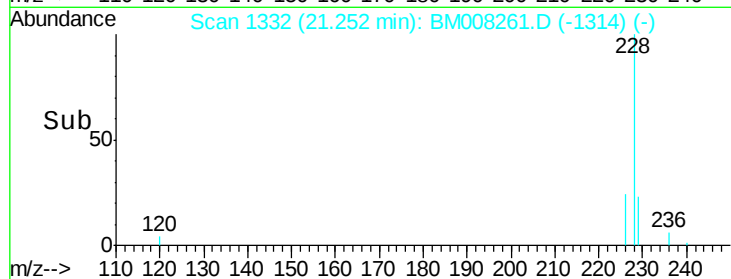
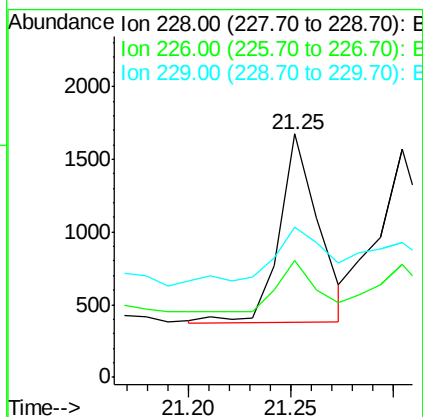
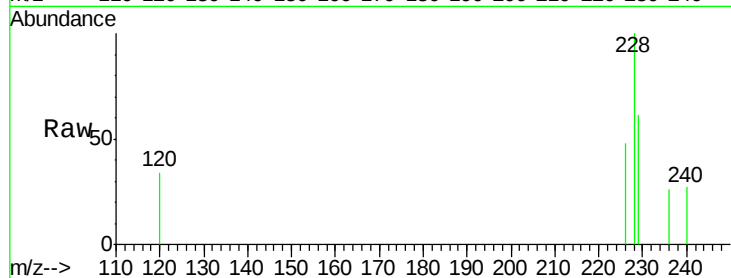
Tgt Ion:228 Resp: 1731

Ion Ratio Lower Upper

228 100

226 48.0 22.8 34.2#

229 61.5 17.0 25.6#



#19

Chrysene

Concen: 0.45 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

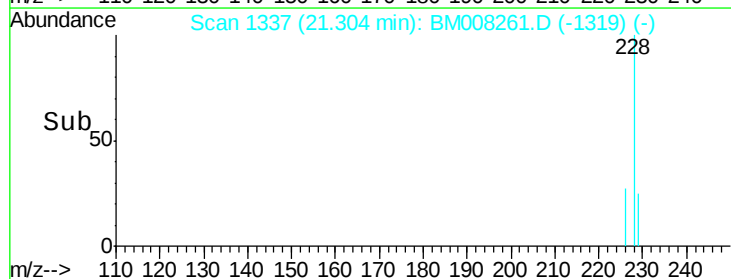
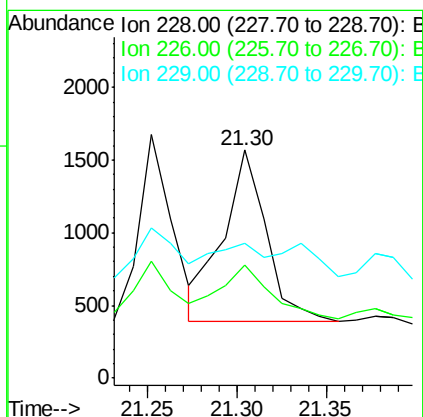
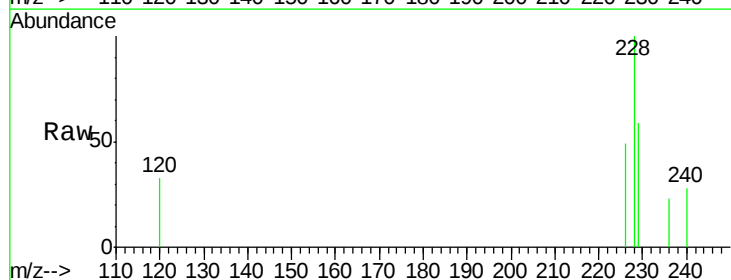
Tgt Ion:228 Resp: 1969

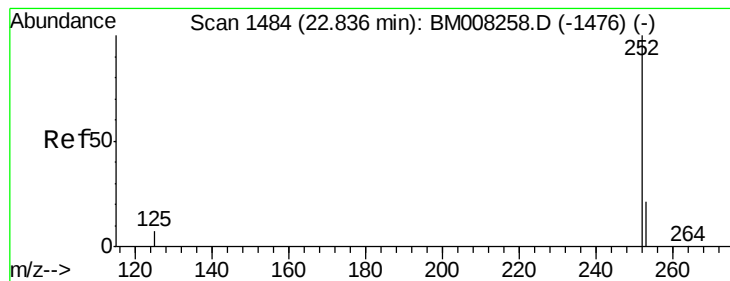
Ion Ratio Lower Upper

228 100

226 49.4 23.4 35.0#

229 59.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

BNA_M

ClientSampleId :

DA804RE

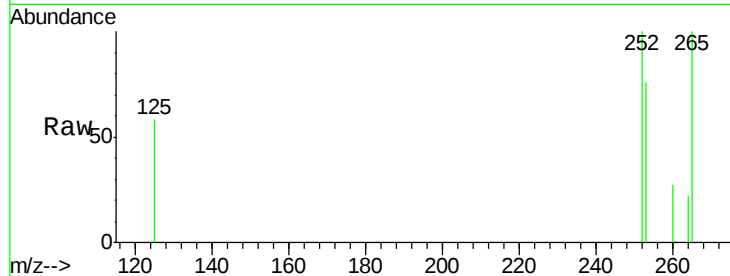
Tgt Ion:252 Resp: 1294

Ion Ratio Lower Upper

252 100

253 75.8 0.0 64.2#

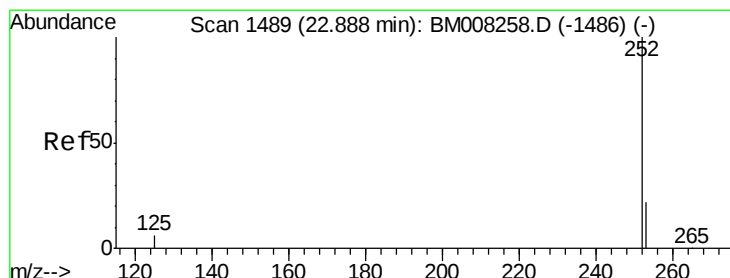
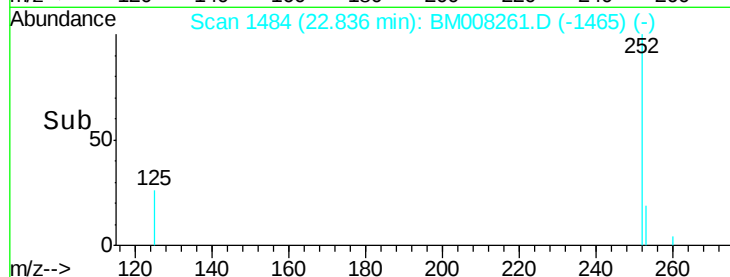
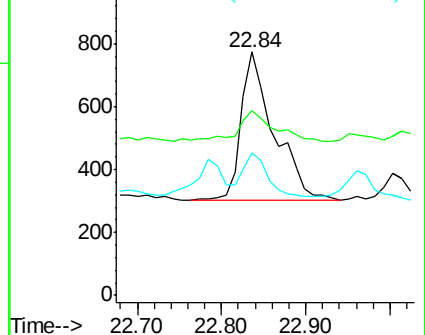
125 58.4 0.0 35.0#



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: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

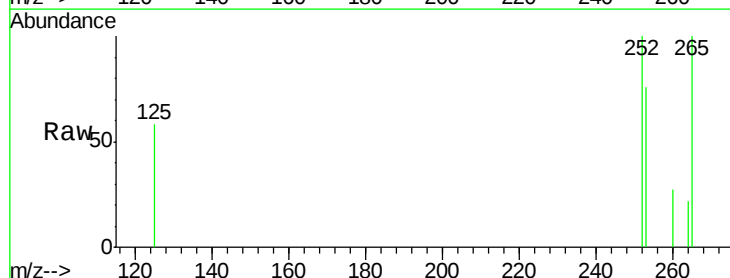
Tgt Ion:252 Resp: 1294

Ion Ratio Lower Upper

252 100

253 75.8 24.5 36.7#

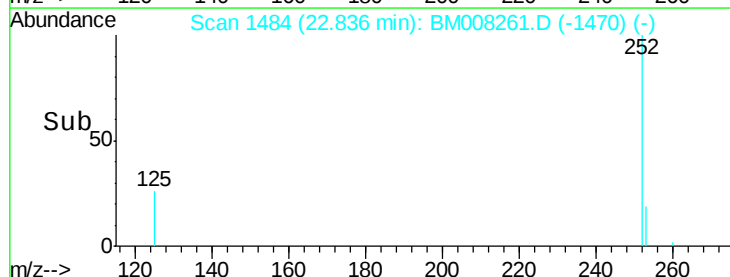
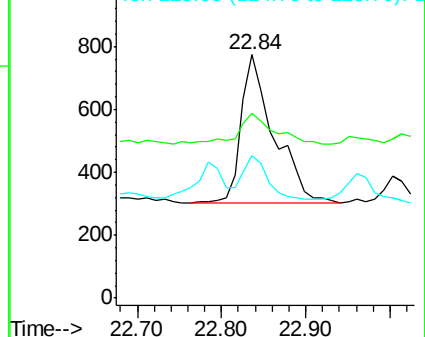
125 58.4 13.7 20.5#

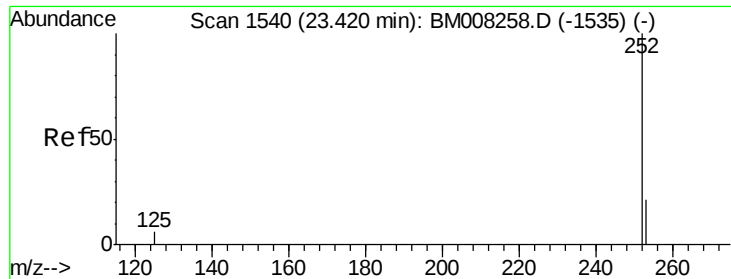


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.22 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Instrument :

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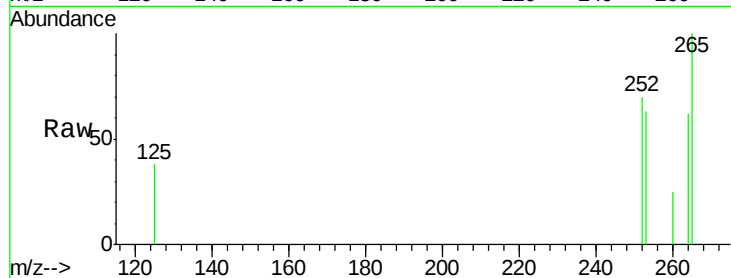
Tgt Ion: 252 Resp: 679

Ion Ratio Lower Upper

252 100

253 90.9 28.5 42.7#

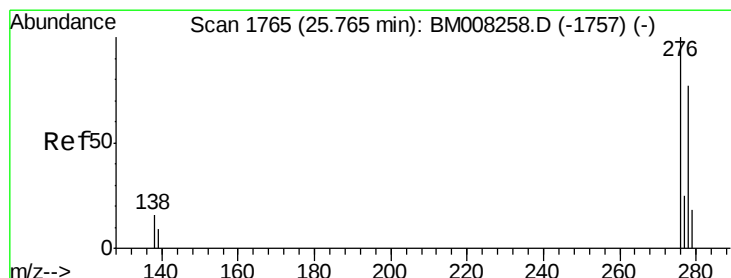
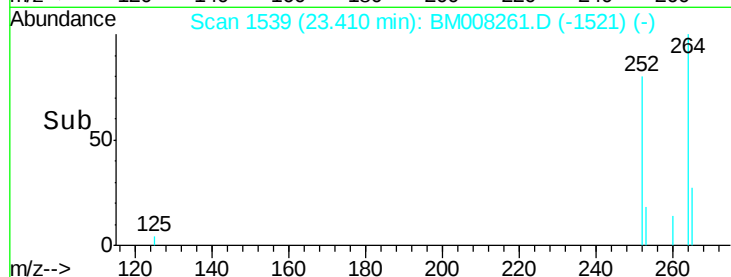
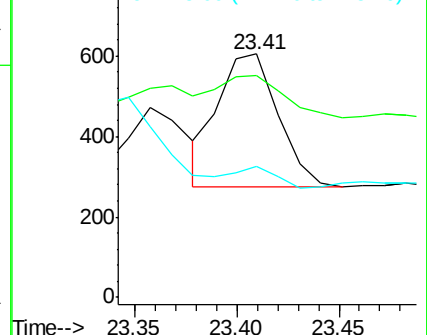
125 53.8 18.1 27.1#



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: 0.09 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

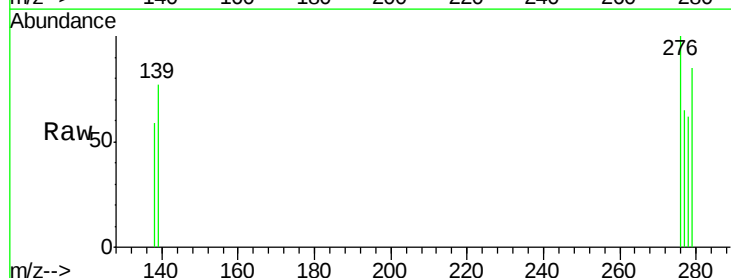
Tgt Ion: 276 Resp: 336

Ion Ratio Lower Upper

276 100

138 14.6 19.1 28.7#

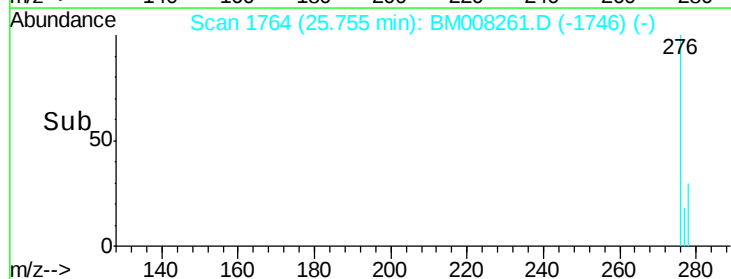
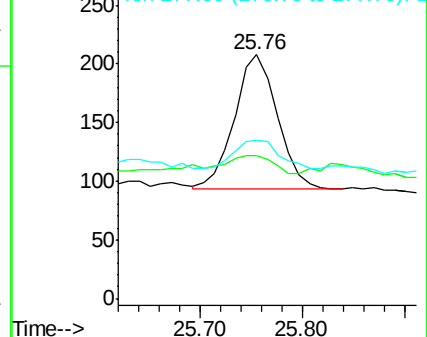
277 24.1 19.6 29.4

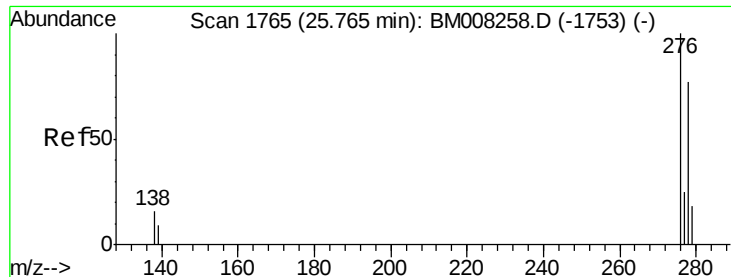


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

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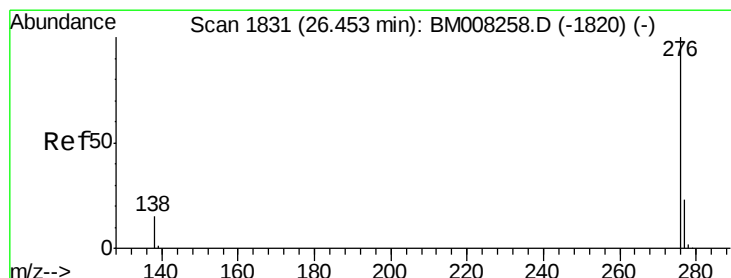
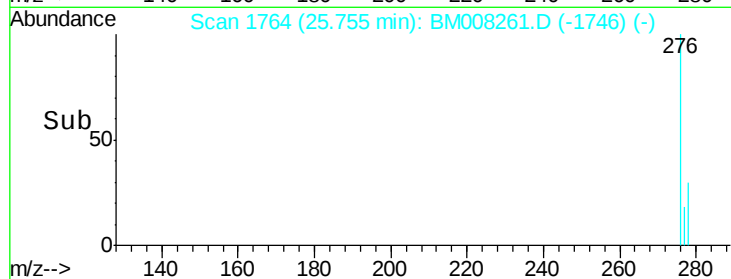
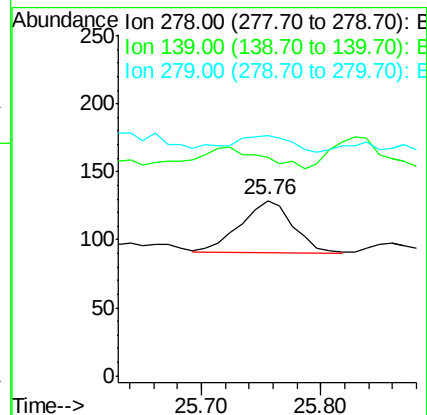
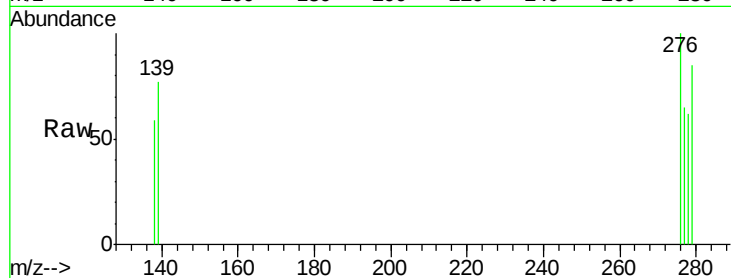
Tgt Ion: 278 Resp: 118

Ion Ratio Lower Upper

278 100

139 124.8 17.4 26.0#

279 137.2 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008261.D

Acq: 12 Dec 2016 13:43

Tgt Ion: 276 Resp: 336

Ion Ratio Lower Upper

276 100

277 65.8 21.8 32.8#

138 62.0 20.5 30.7#

