

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122316\
 Data File : BM008607.D
 Acq On : 23 Dec 2016 22:06
 Operator : UM/SJ
 Sample : H6069-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X9

Quant Time: Dec 23 23:43:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 23:37:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	430	0.40	ng/ul	-0.08
2) Naphthalene-d8	10.43	136	1407	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.28	164	844	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.14	188	70844	0.40	ng/ul	0.05
16) Chrysene-d12	21.26	240	1567	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	1956	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	395	0.18	ng/ul	-0.05
14) Fluoranthene-d10	19.09	212	920	0.00	ng/ul	-0.02

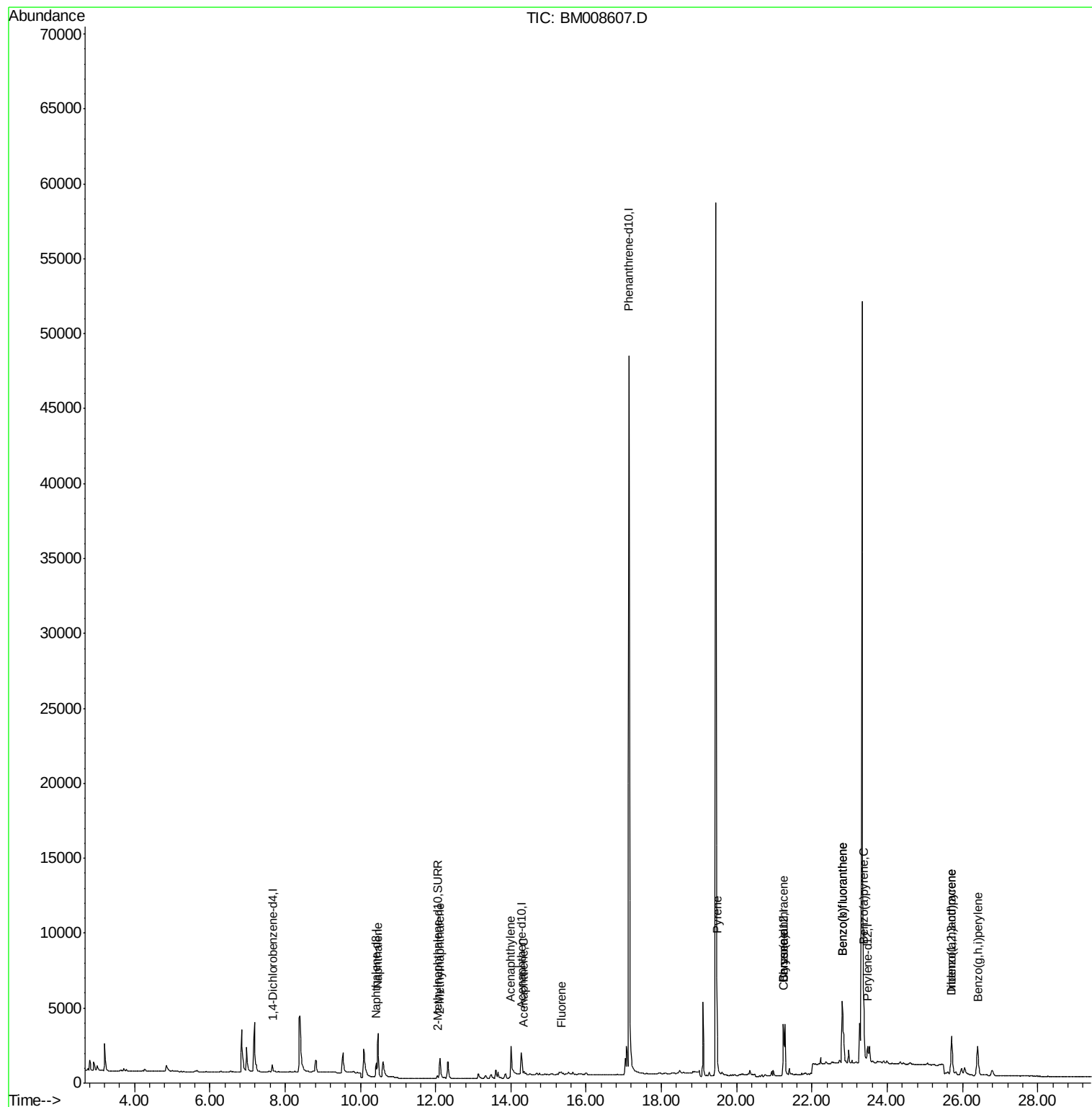
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	4667	1.18	ng/ul	97
5) 2-Methylnaphthalene	12.11	142	1499	0.56	ng/ul	99
7) Acenaphthylene	14.01	152	482	0.13	ng/ul#	73
8) Acenaphthene	14.35	153	184	0.06	ng/ul#	86
9) Fluorene	15.34	166	152	0.05	ng/ul#	71
17) Pyrene	19.48	202	4870	0.80	ng/ul	98
18) Benzo(a)anthracene	21.23	228	3831	0.74	ng/ul	95
19) Chrysene	21.23	228	3831	0.68	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	9809	1.27	ng/ul	93
22) Benzo(k)fluoranthene	22.81	252	9809	1.31	ng/ul	94
23) Benzo(a)pyrene	23.37	252	5073	0.71	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.72	276	4842	0.57	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.71	278	1009	0.15	ng/ul#	63
26) Benzo(g,h,i)perylene	26.40	276	4438	0.61	ng/ul#	94

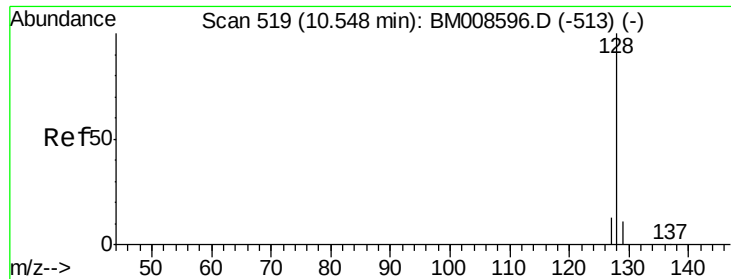
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.18 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.07 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

BNA_M

ClientSampleId :

DA8X9

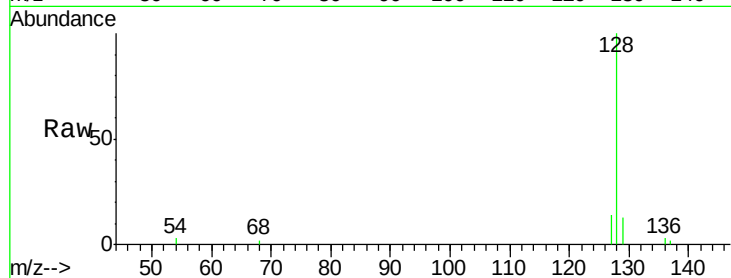
Tgt Ion:128 Resp: 4667

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

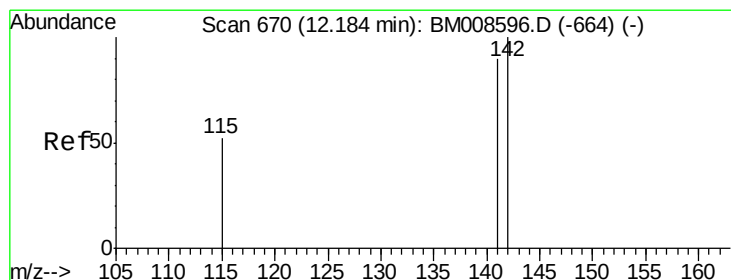
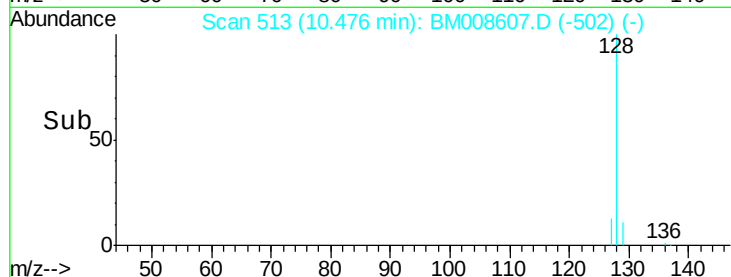
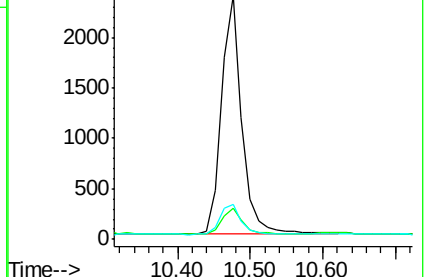
127 14.4 12.8 19.2



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: 0.56 ng/ul

RT: 12.11 min Scan# 663

Delta R.T. -0.07 min

Lab File: BM008607.D

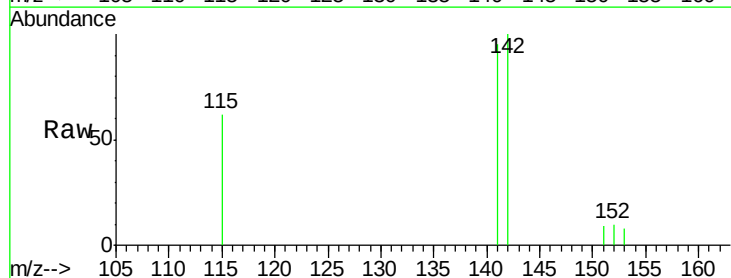
Acq: 23 Dec 2016 22:06

Tgt Ion:142 Resp: 1499

Ion Ratio Lower Upper

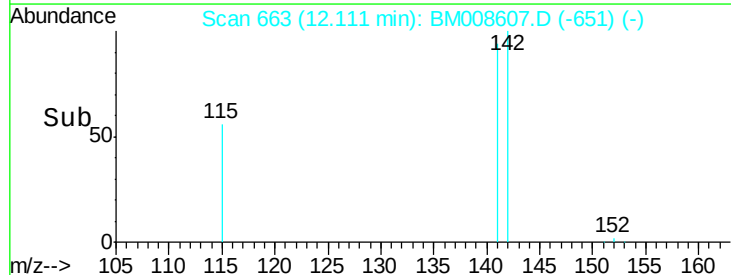
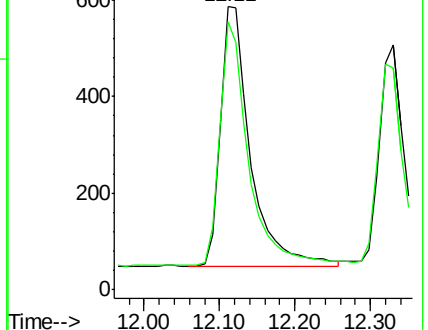
142 100

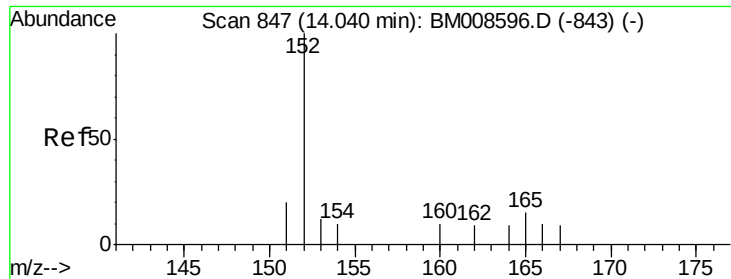
141 90.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

BNA_M

ClientSampleId :

DA8X9

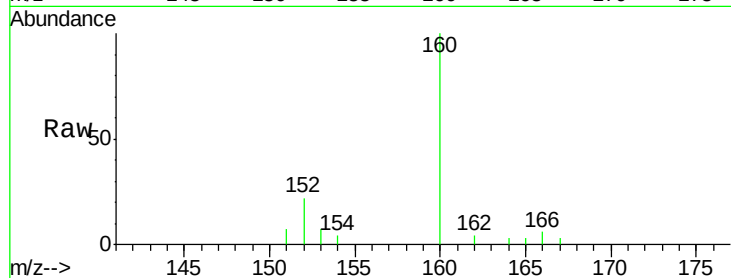
Tgt Ion:152 Resp: 482

Ion Ratio Lower Upper

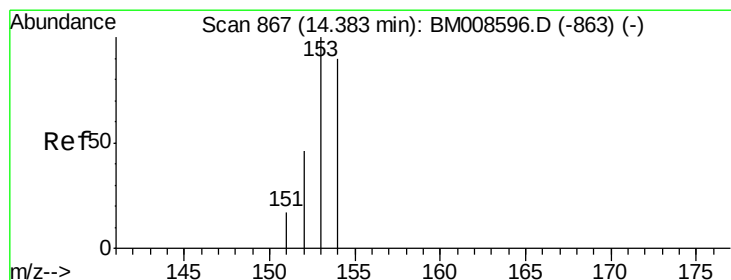
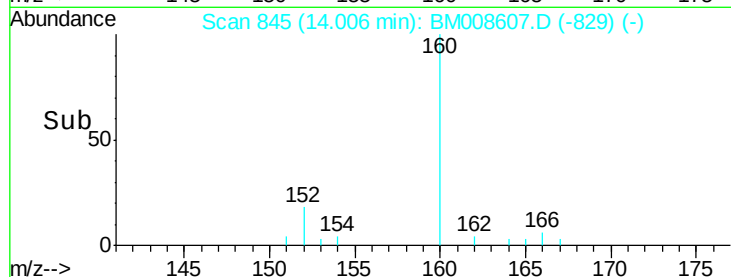
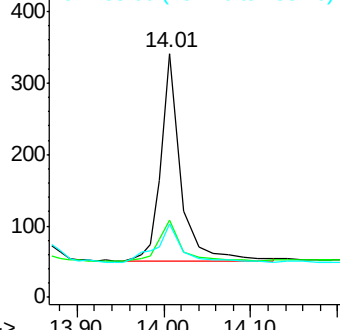
152 100

151 32.0 17.1 25.7#

153 29.9 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: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

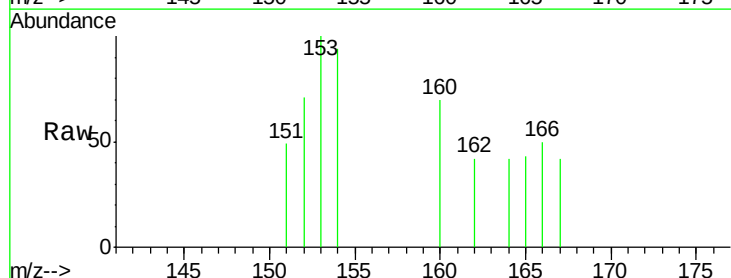
Tgt Ion:153 Resp: 184

Ion Ratio Lower Upper

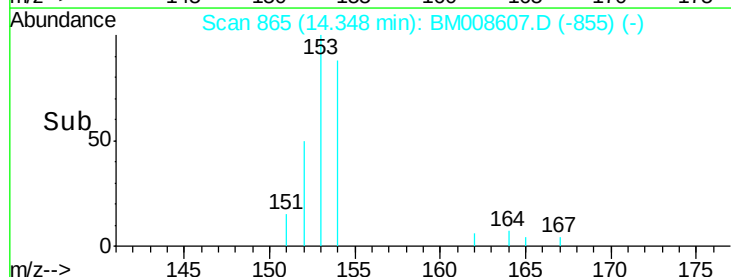
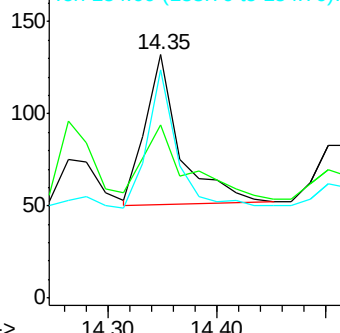
153 100

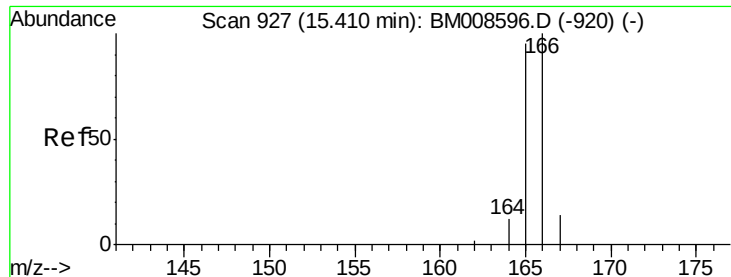
152 71.2 40.3 60.5#

154 93.9 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: 0.05 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.07 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

BNA_M

ClientSampleId :

DA8X9

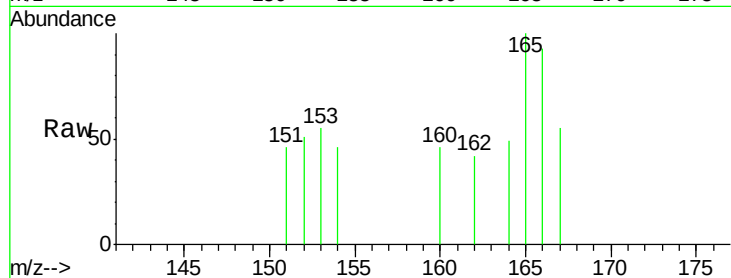
Tgt Ion:166 Resp: 152

Ion Ratio Lower Upper

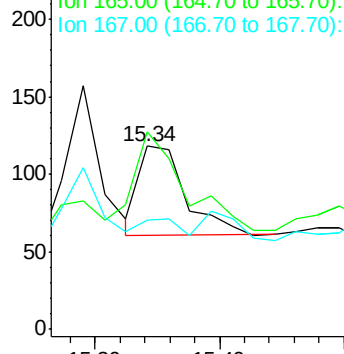
166 100

165 107.6 73.4 110.2

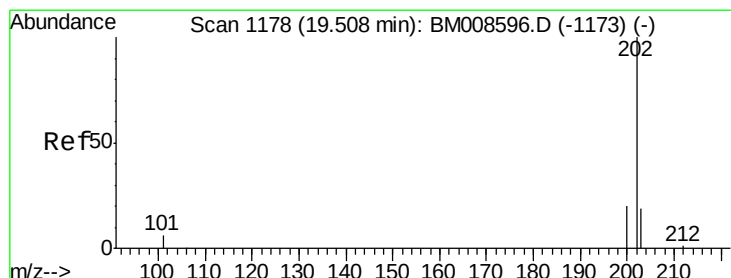
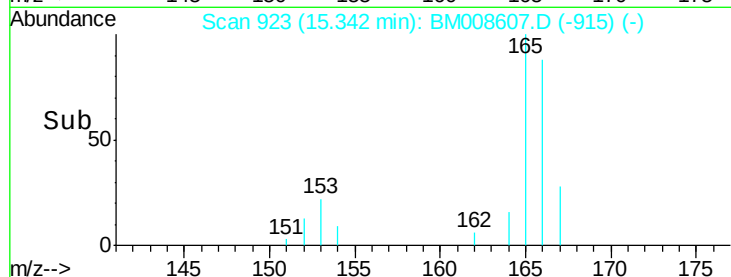
167 59.3 14.6 22.0#



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



Time-->



#17

Pyrene

Concen: 0.80 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. -0.03 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

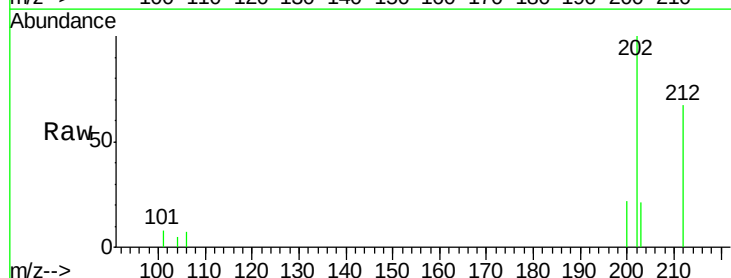
Tgt Ion:202 Resp: 4870

Ion Ratio Lower Upper

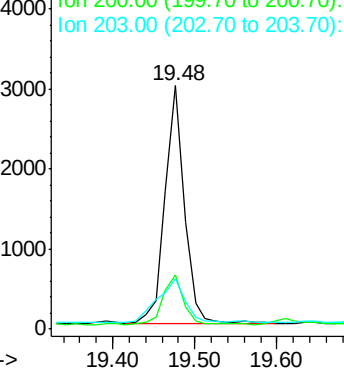
202 100

200 22.3 18.2 27.4

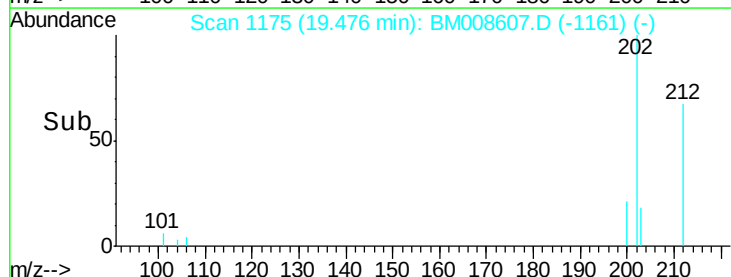
203 20.6 15.6 23.4

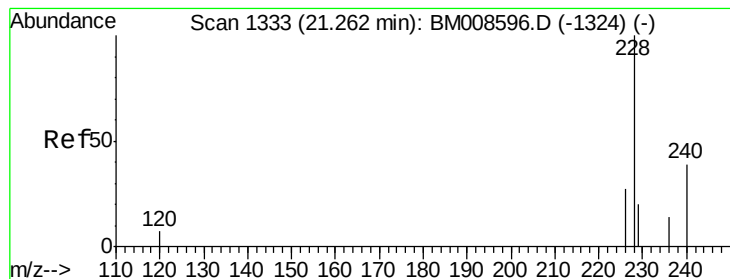


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->

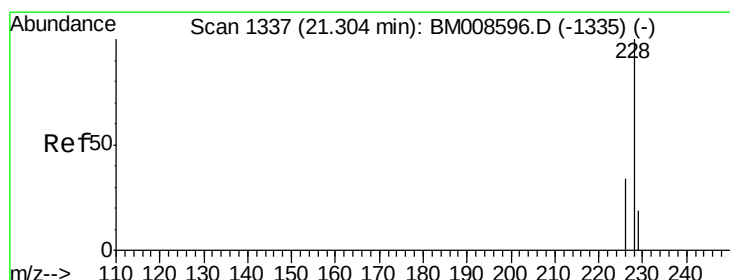
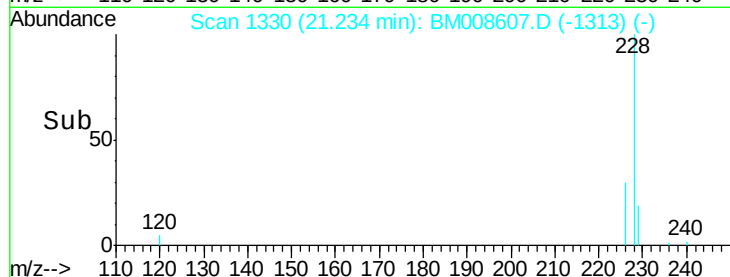
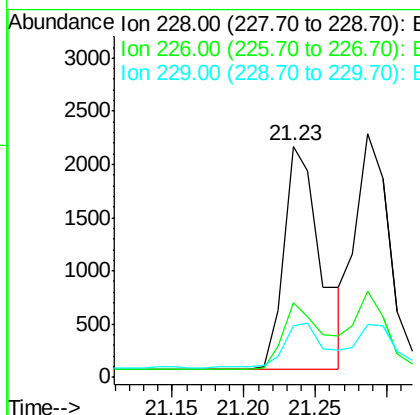
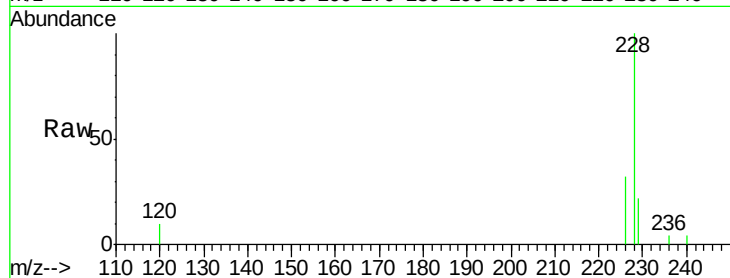




#18
Benzo(a)anthracene
Concen: 0.74 ng/ul
RT: 21.23 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BM008607.D
Acq: 23 Dec 2016 22:06

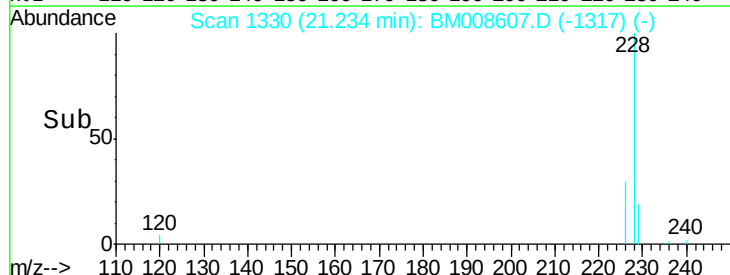
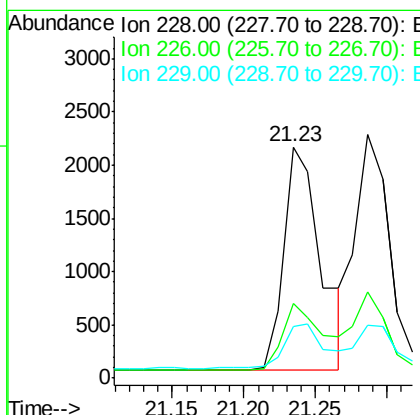
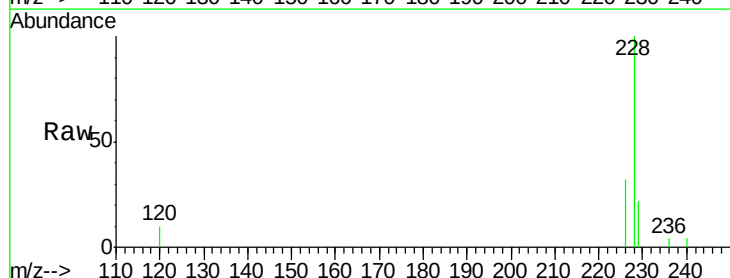
Instrument :
BNA_M
ClientSampleId :
DA8X9

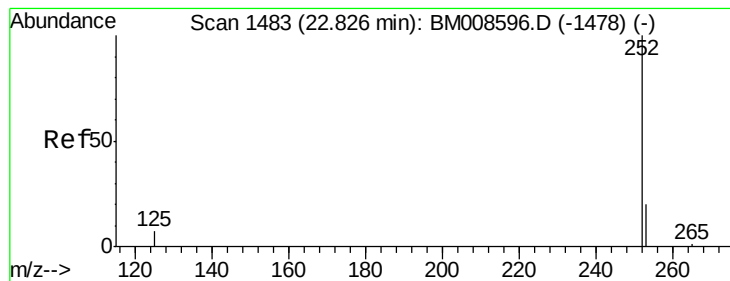
Tgt Ion:228 Resp: 3831
Ion Ratio Lower Upper
228 100
226 32.2 22.8 34.2
229 22.4 17.0 25.6



#19
Chrysene
Concen: 0.68 ng/ul
RT: 21.23 min Scan# 1330
Delta R.T. -0.07 min
Lab File: BM008607.D
Acq: 23 Dec 2016 22:06

Tgt Ion:228 Resp: 3831
Ion Ratio Lower Upper
228 100
226 32.2 23.4 35.0
229 22.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.27 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

BNA_M

ClientSampleId :

DA8X9

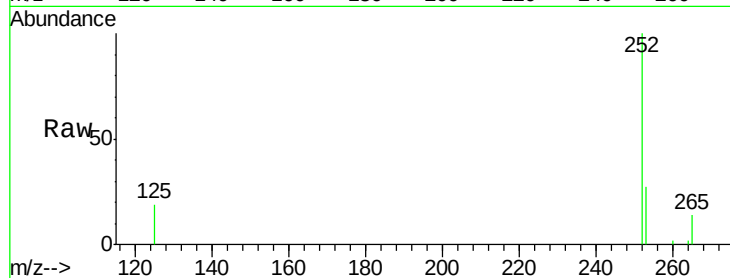
Tgt Ion:252 Resp: 9809

Ion Ratio Lower Upper

252 100

253 26.9 0.0 64.2

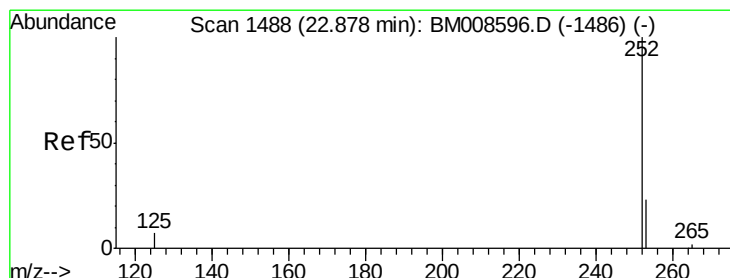
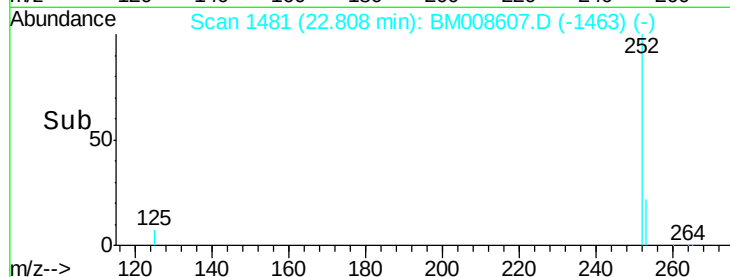
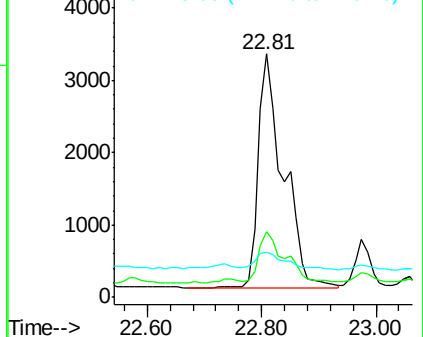
125 18.8 0.0 35.0



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: 1.31 ng/ul

RT: 22.81 min Scan# 1481

Delta R.T. -0.07 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

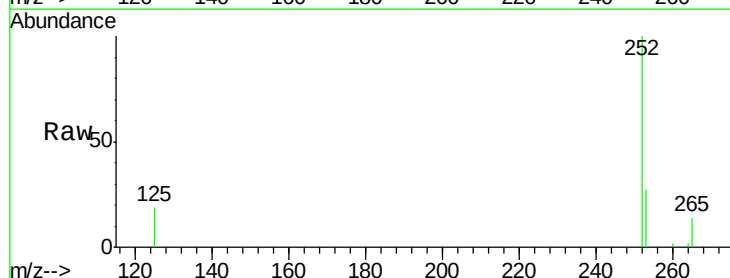
Tgt Ion:252 Resp: 9809

Ion Ratio Lower Upper

252 100

253 26.9 24.5 36.7

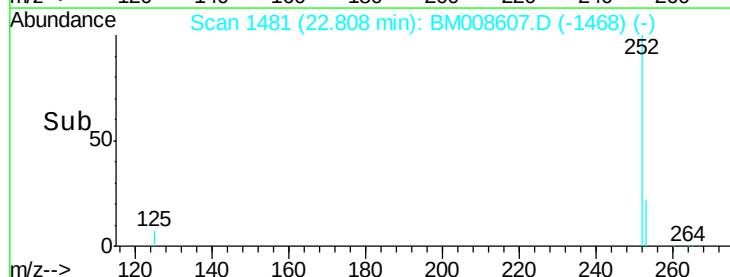
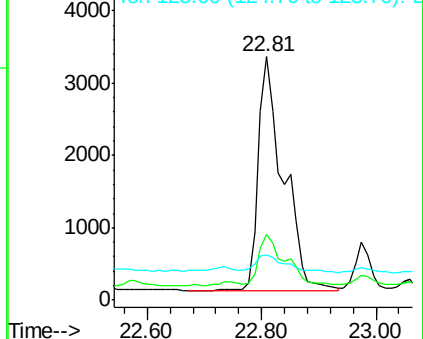
125 18.8 13.7 20.5

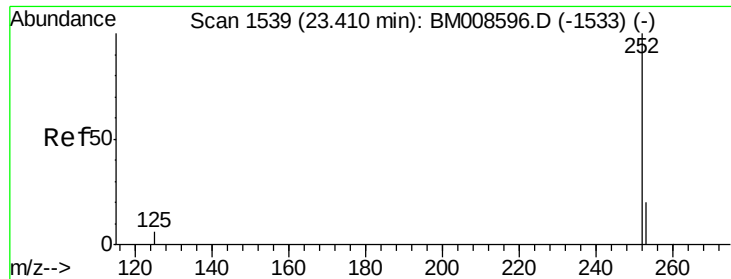


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.71 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.04 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

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ClientSampleId :

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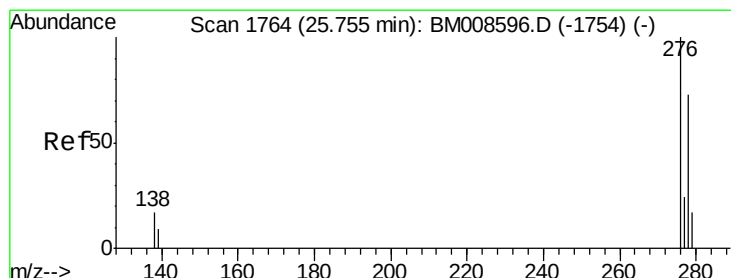
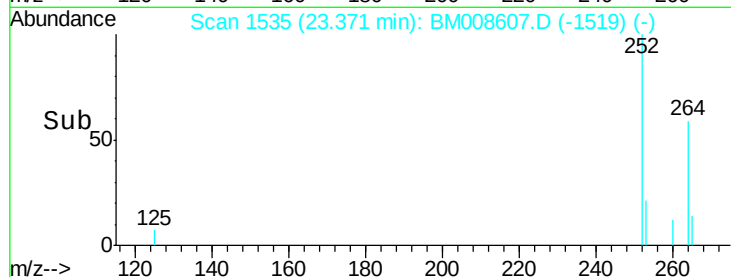
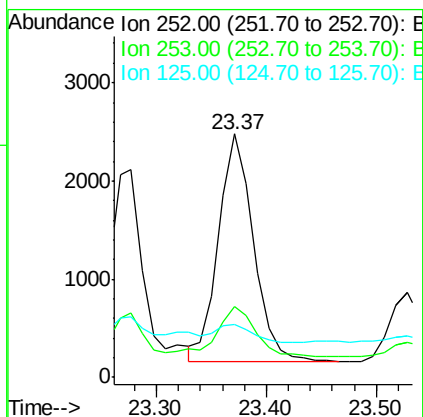
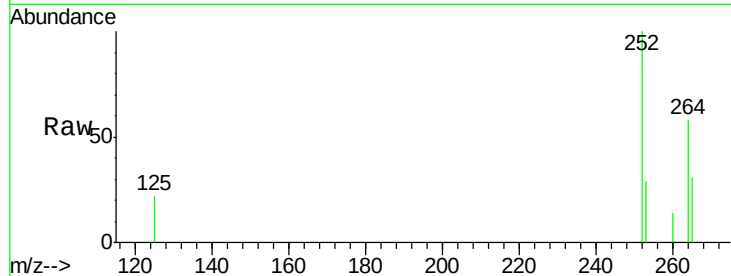
Tgt Ion:252 Resp: 5073

Ion Ratio Lower Upper

252 100

253 28.8 28.5 42.7

125 21.8 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.57 ng/ul

RT: 25.72 min Scan# 1760

Delta R.T. -0.04 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

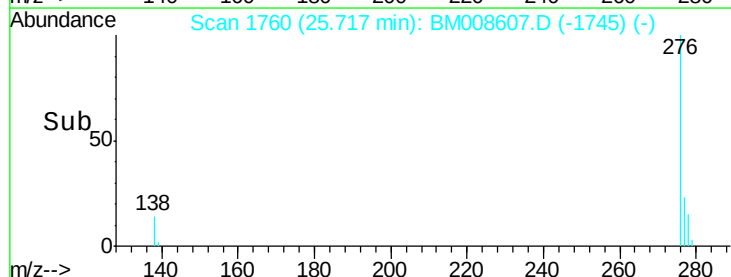
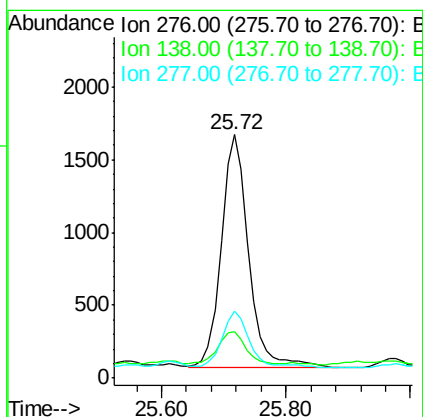
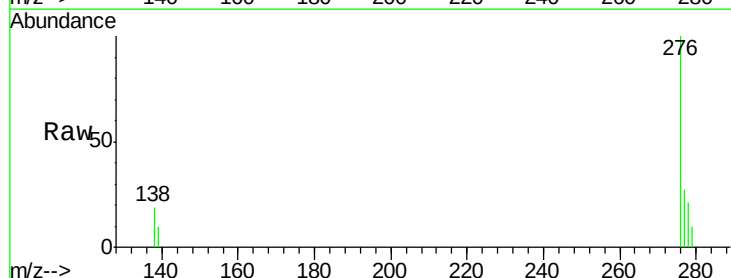
Tgt Ion:276 Resp: 4842

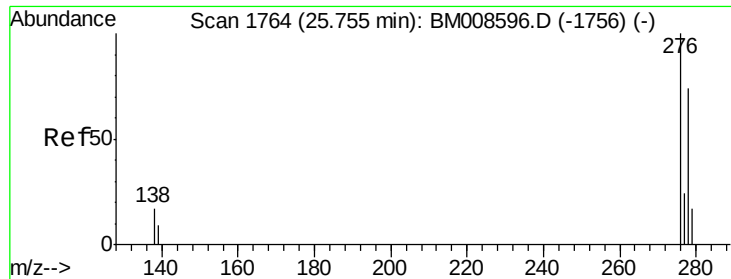
Ion Ratio Lower Upper

276 100

138 15.3 19.1 28.7#

277 24.4 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.15 ng/ul

RT: 25.71 min Scan# 1759

Delta R.T. -0.05 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

Instrument :

BNA_M

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DA8X9

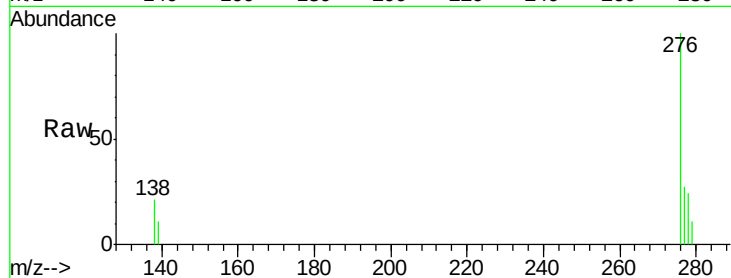
Tgt Ion: 278 Resp: 1009

Ion Ratio Lower Upper

278 100

139 45.7 17.4 26.0#

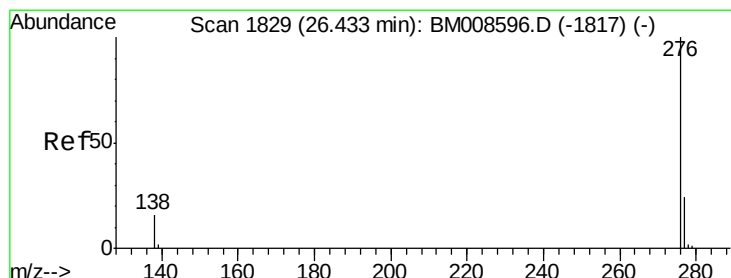
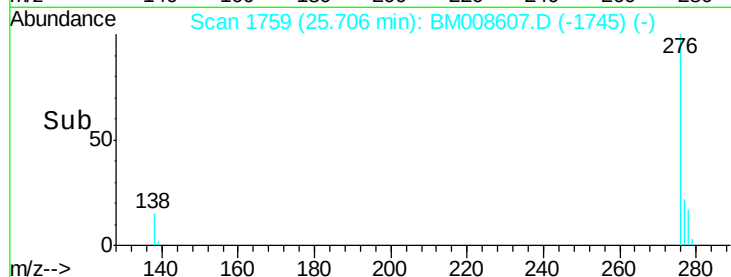
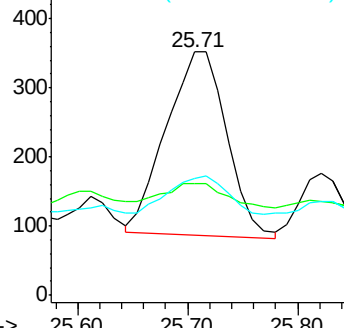
279 48.0 25.9 38.9#



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: 0.61 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.03 min

Lab File: BM008607.D

Acq: 23 Dec 2016 22:06

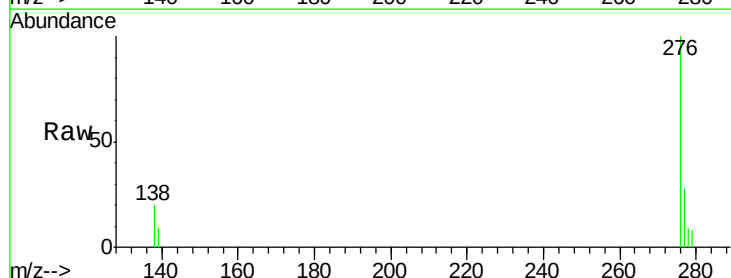
Tgt Ion: 276 Resp: 4438

Ion Ratio Lower Upper

276 100

277 28.4 21.8 32.8

138 20.4 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

