

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022720\
 Data File : BM025106.D
 Acq On : 27 Feb 2020 16:45
 Operator : CG/JU
 Sample : L1506-17
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBCZ5

Quant Time: Feb 28 04:26:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 25 11:03:43 2020
 Response via : Initial Calibration

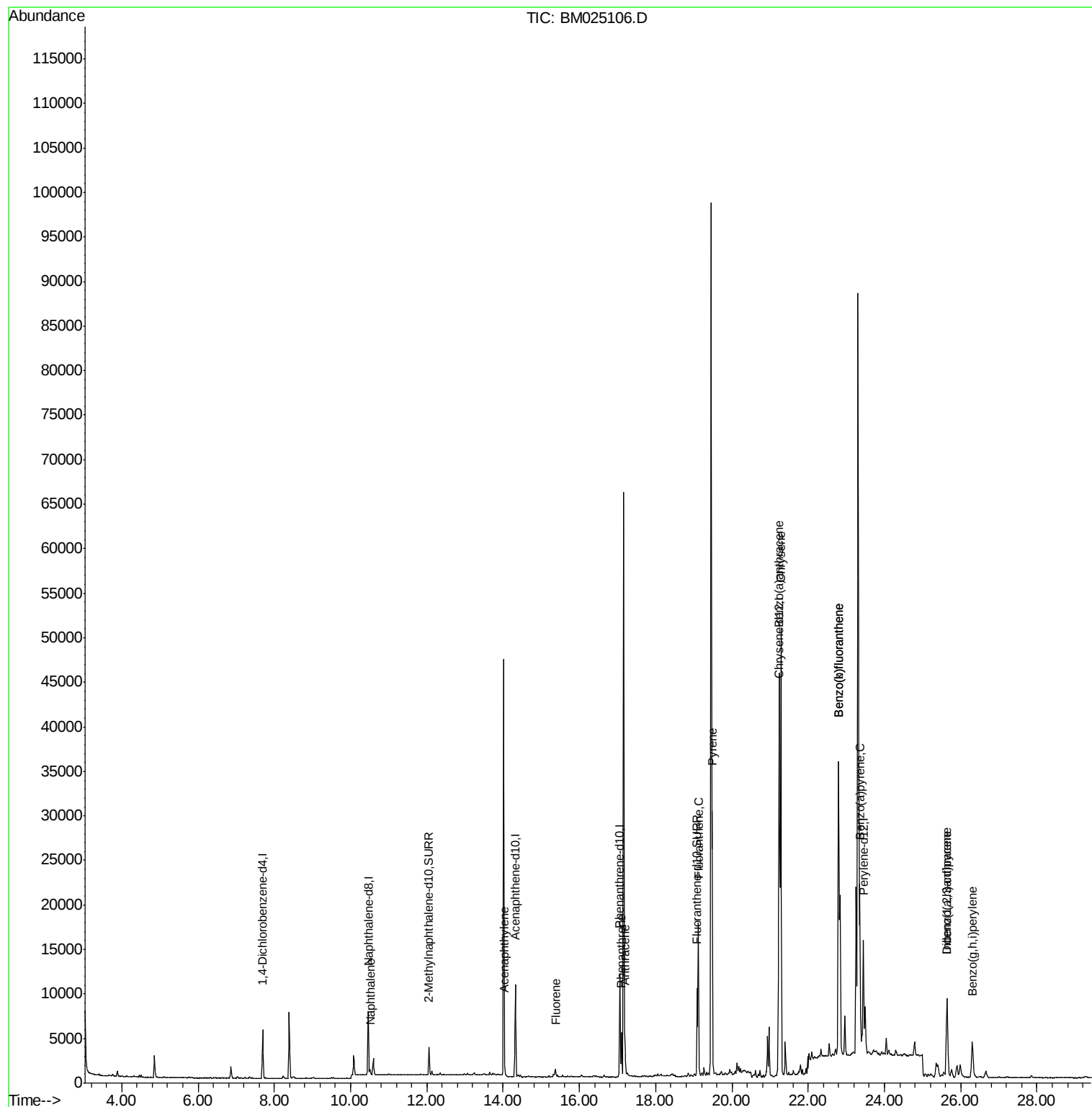
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2626	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	9797	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.32	164	5881	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	13495	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	14105	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	15327	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	4255	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	11022	0.24	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.51	128	794	0.027	ng/ul	96
7) Acenaphthylene	14.04	152	1285	0.038	ng/ul	94
9) Fluorene	15.37	166	670	0.023	ng/ul#	90
12) Phenanthrene	17.10	178	5406	0.114	ng/ul	99
13) Anthracene	17.19	178	4716	0.103	ng/ul	98
15) Fluoranthene	19.12	202	14558	0.211	ng/ul	98
17) Pyrene	19.48	202	24126	0.380	ng/ul	98
18) Benzo(a)anthracene	21.23	228	36629	0.601	ng/ul	100
19) Chrysene	21.28	228	53842	0.888	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	73749	1.228	ng/ul	93
22) Benzo(k)fluoranthene	22.79	252	73749	1.239	ng/ul#	95
23) Benzo(a)pyrene	23.35	252	24933	0.455	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.64	276	13422	0.195	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.65	278	3912	0.068	ng/ul#	63
26) Benzo(g,h,i)perylene	26.30	276	8544	0.148	ng/ul#	95

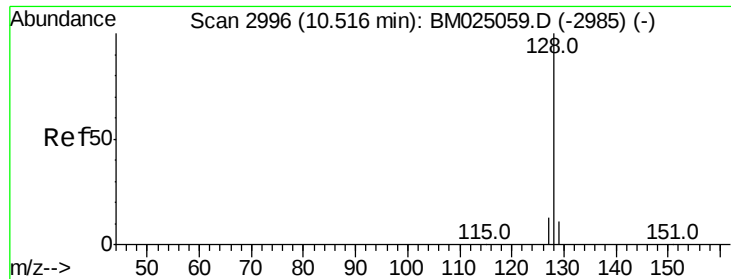
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 25 11:03:43 2020
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#3

Naphthalene

Concen: 0.027 ng/ul

RT: 10.51 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

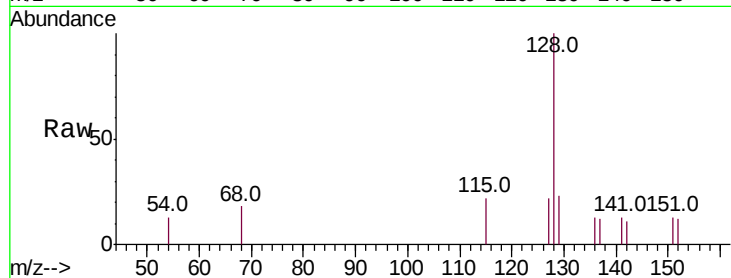
Tot Ion:128 Resp: 794

Ion Ratio Lower Upper

128 100

129 23.1 17.0 25.6

127 21.5 15.7 23.5



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

10.51

600

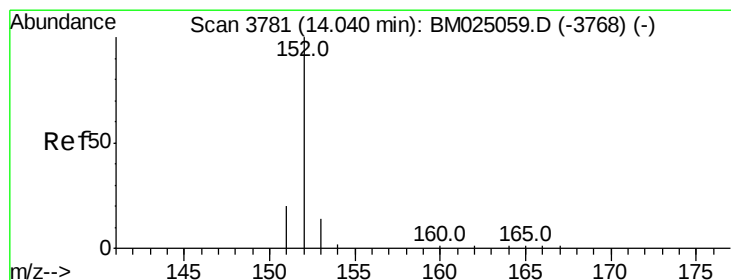
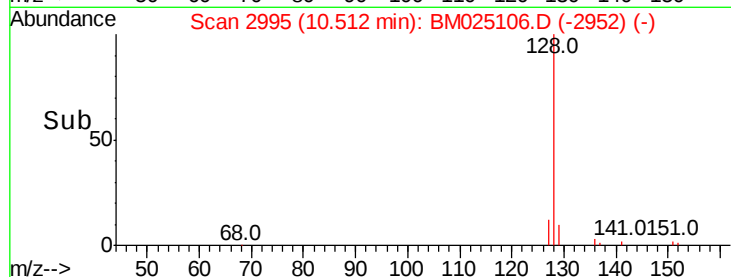
400

200

0

10.45 10.50 10.55

Time-->



#7

Acenaphthylene

Concen: 0.038 ng/ul

RT: 14.04 min Scan# 3780

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

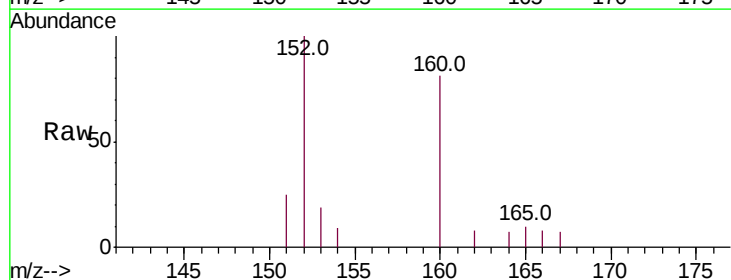
Tgt Ion:152 Resp: 1285

Ion Ratio Lower Upper

152 100

151 25.2 17.8 26.8

153 19.3 13.3 19.9



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

14.04

1200

1000

800

600

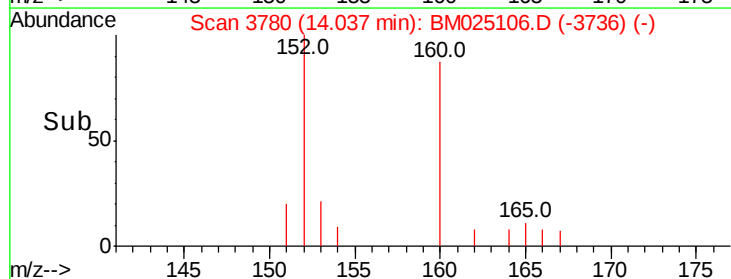
400

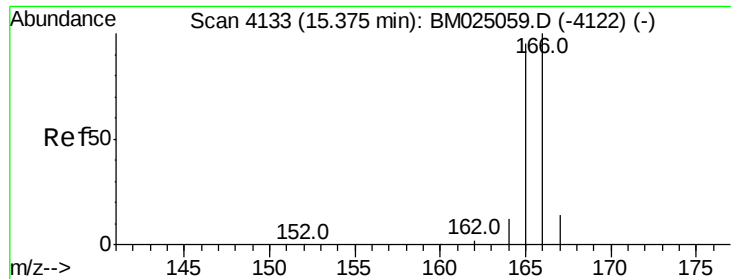
200

0

14.00 14.10

Time-->





#9

Fluorene

Concen: 0.023 ng/ul

RT: 15.37 min Scan# 4131

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

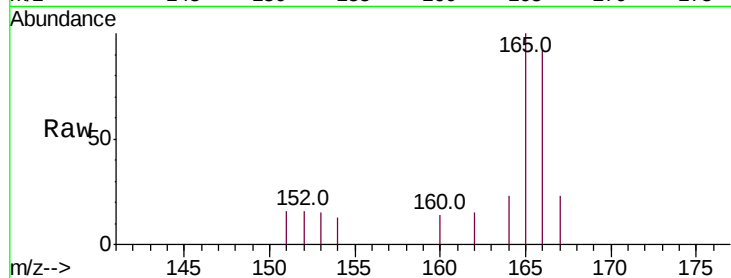
Tot Ion:166 Resp: 670

Ion Ratio Lower Upper

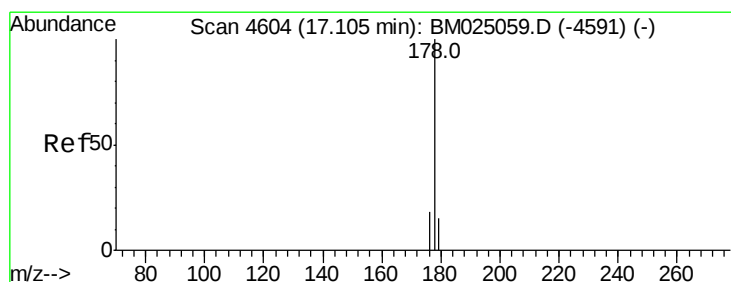
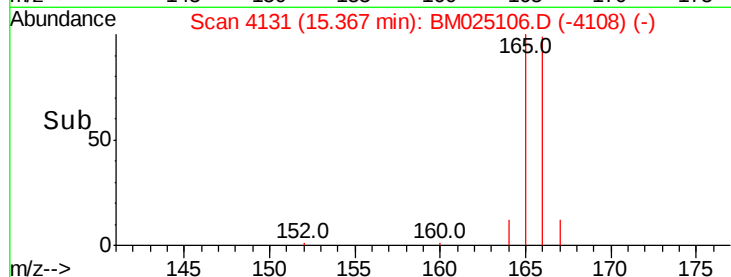
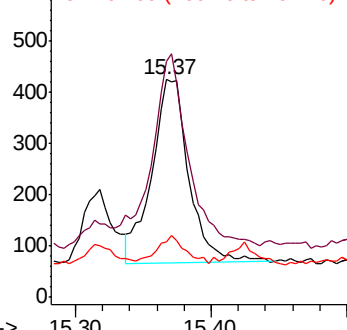
166 100

165 108.2 80.0 120.0

167 25.4 13.7 20.5#



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



#12

Phenanthrene

Concen: 0.114 ng/ul

RT: 17.10 min Scan# 4603

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

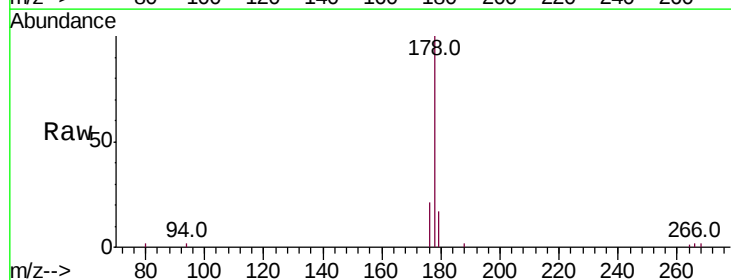
Tgt Ion:178 Resp: 5406

Ion Ratio Lower Upper

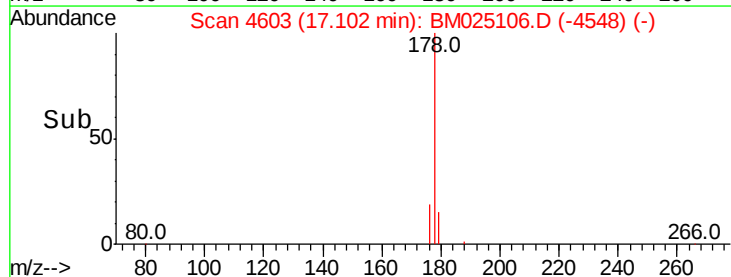
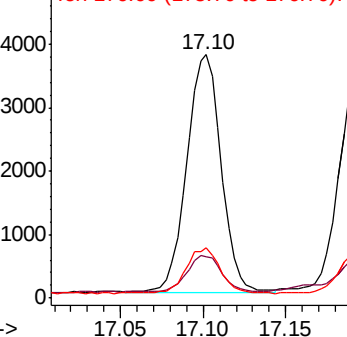
178 100

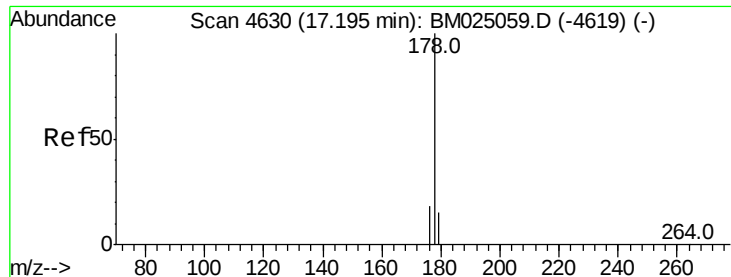
179 17.0 14.0 21.0

176 20.6 16.6 24.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.103 ng/ul

RT: 17.19 min Scan# 4629

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

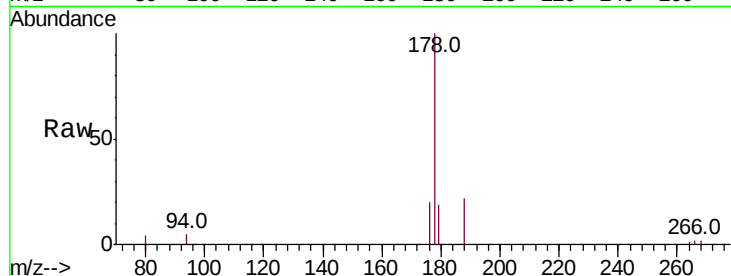
Tot Ion:178 Resp: 4716

Ion Ratio Lower Upper

178 100

179 18.7 14.1 21.1

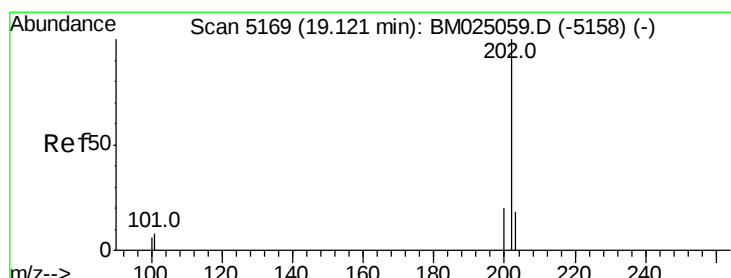
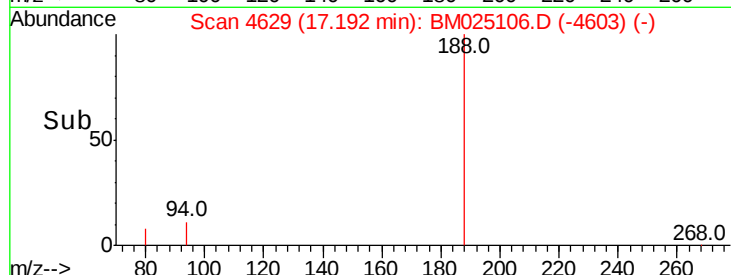
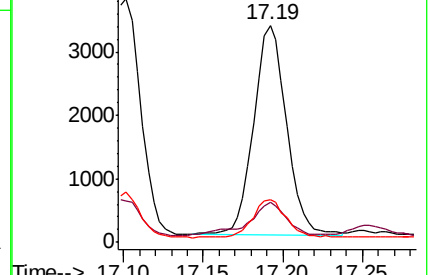
176 19.9 16.2 24.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.211 ng/ul

RT: 19.12 min Scan# 5168

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

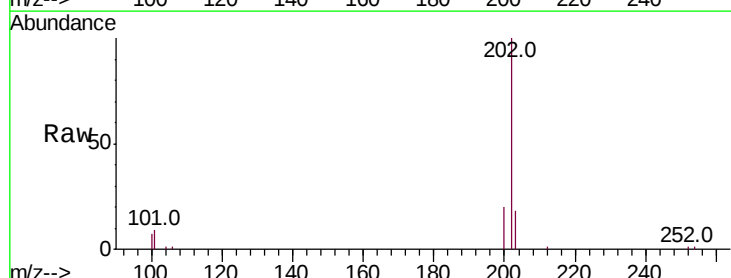
Tgt Ion:202 Resp: 14558

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.4

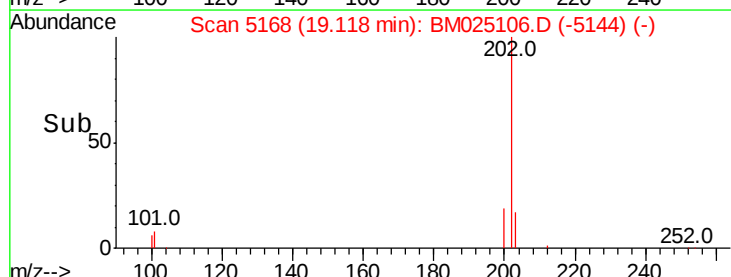
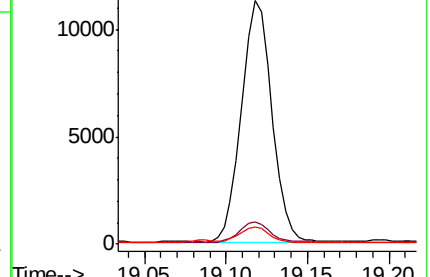
100 7.0 0.0 28.0

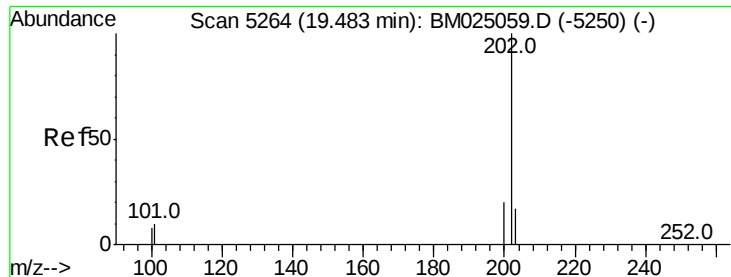


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

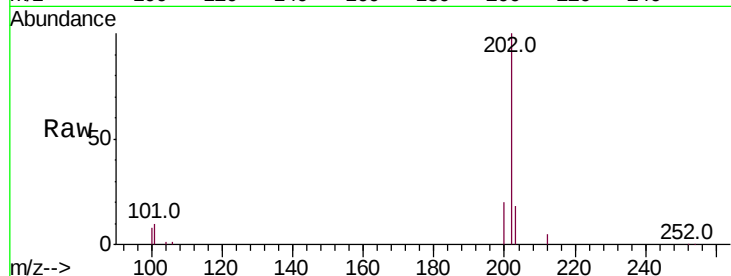




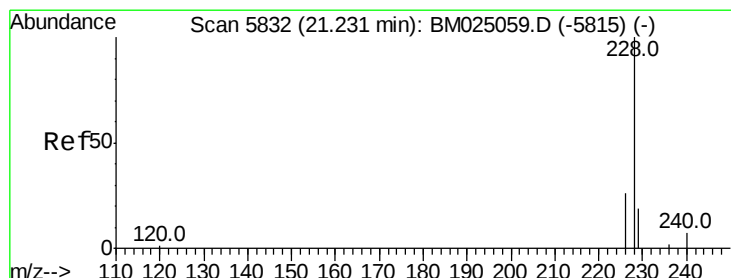
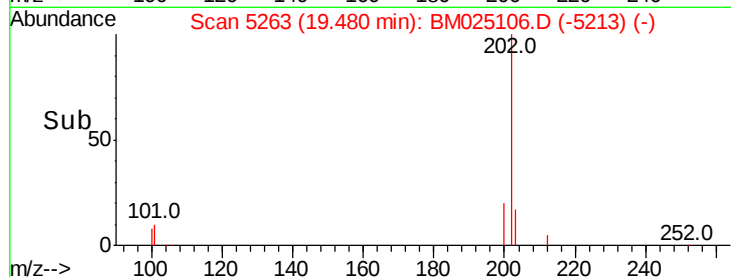
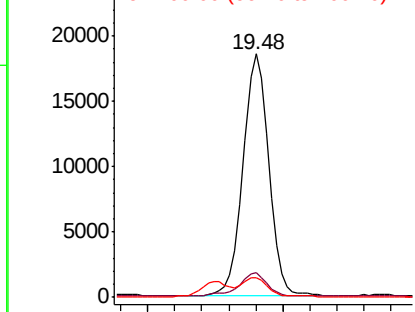
#17
Pvrene
Concen: 0.380 ng/ul
RT: 19.48 min Scan# 5263
Delta R.T. -0.01 min
Lab File: BM025106.D
Acq: 27 Feb 2020 16:45

Instrument :
BNA_M
ClientSampleId :
DBCZ5

Tot Ion:202 Resp: 24126
Ion Ratio Lower Upper
202 100
101 10.0 8.7 13.1
100 8.1 7.3 10.9

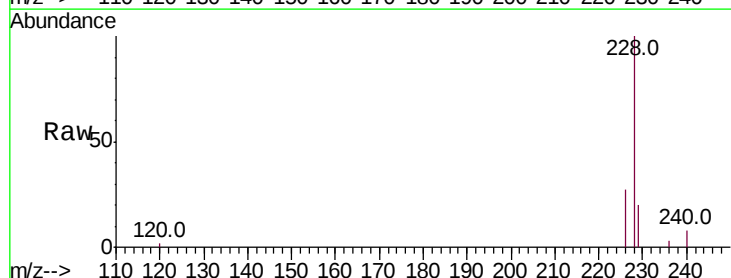


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

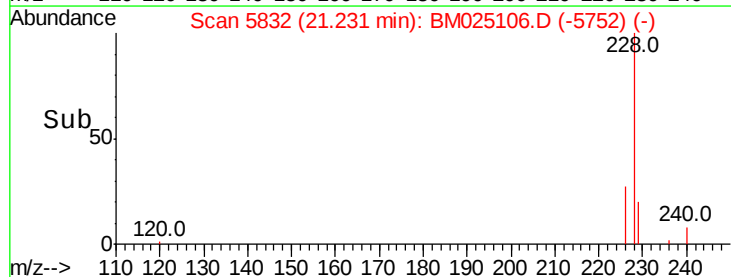
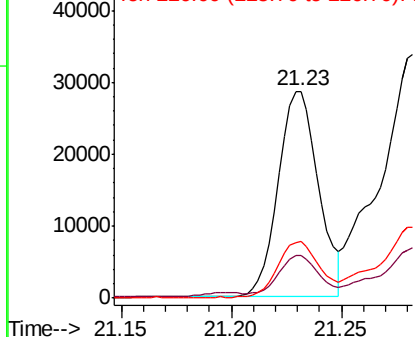


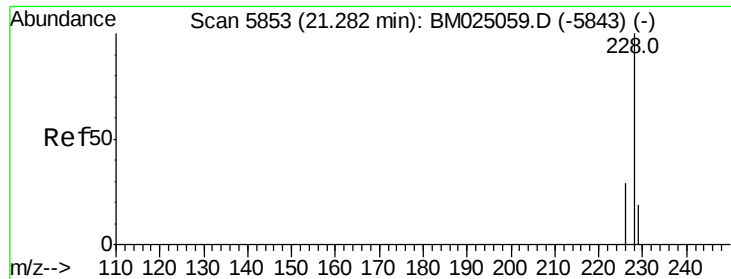
#18
Benzo(a)anthracene
Concen: 0.601 ng/ul
RT: 21.23 min Scan# 5832
Delta R.T. -0.01 min
Lab File: BM025106.D
Acq: 27 Feb 2020 16:45

Tgt Ion:228 Resp: 36629
Ion Ratio Lower Upper
228 100
229 20.5 16.6 25.0
226 27.4 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.888 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

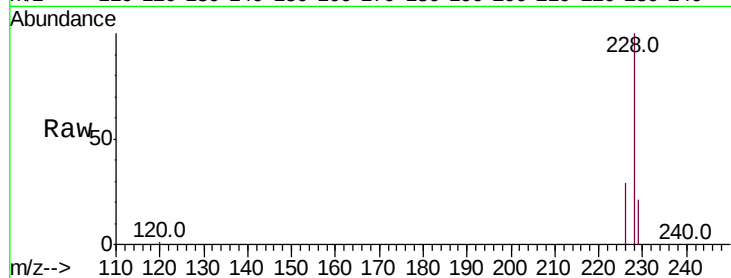
Tot Ion:228 Resp: 53842

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.8

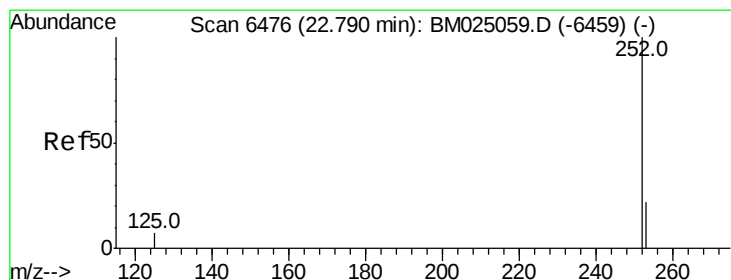
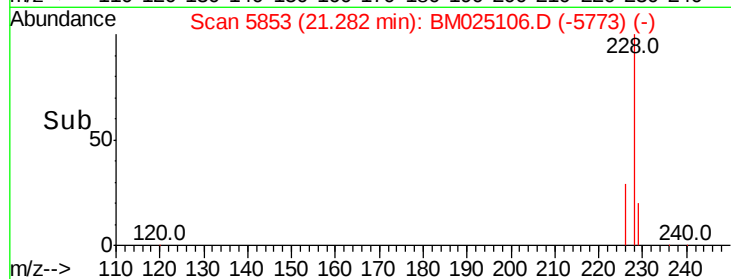
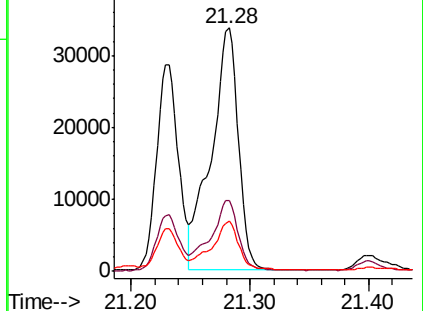
229 20.7 16.9 25.3



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: 1.228 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

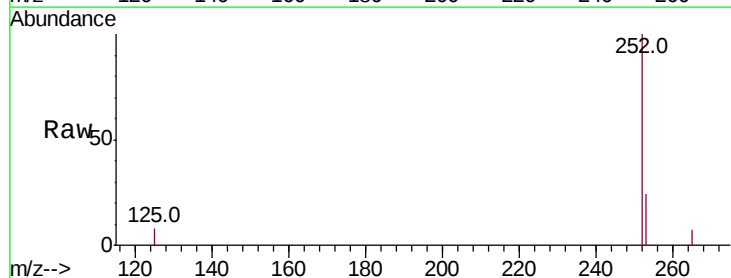
Tgt Ion:252 Resp: 73749

Ion Ratio Lower Upper

252 100

253 23.6 0.0 49.8

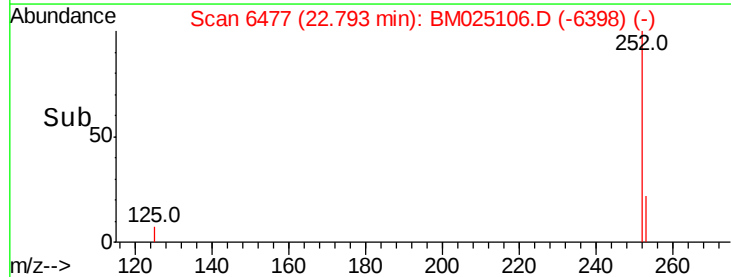
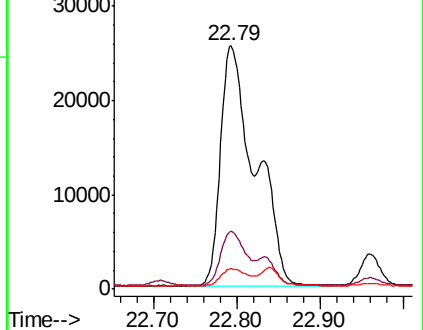
125 8.4 0.0 28.6

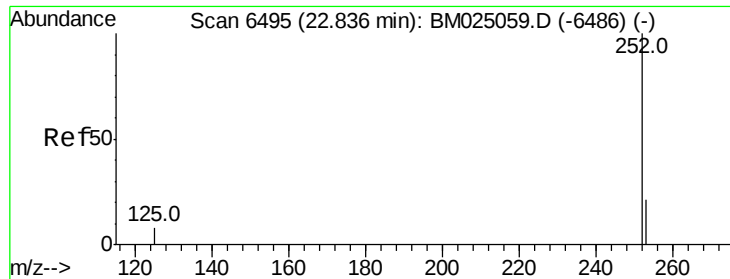


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.239 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

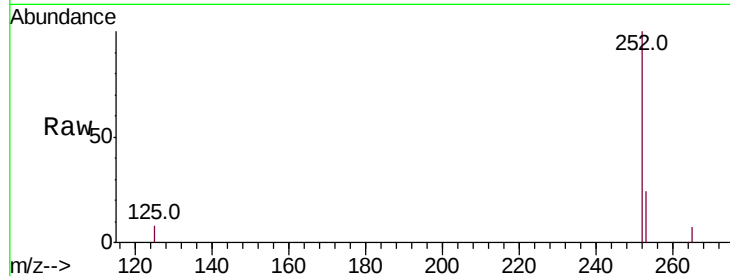
Tot Ion:252 Resp: 73749

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.0

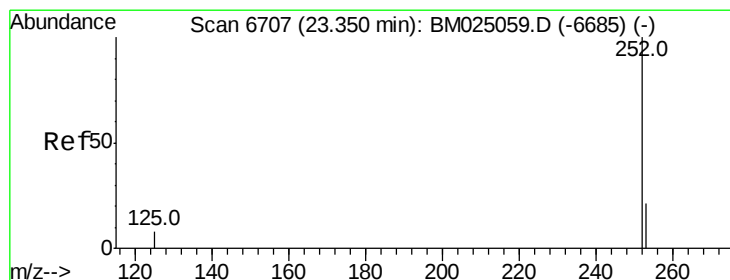
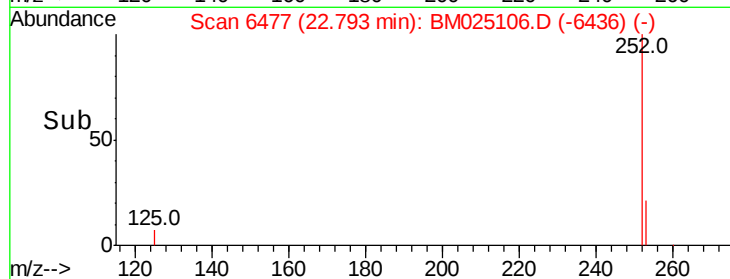
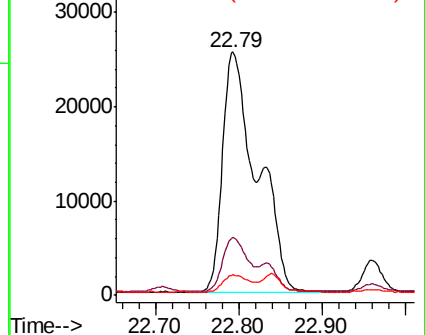
125 8.4 10.7 16.1#



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



#23

Benzo(a)pyrene

Concen: 0.455 ng/ul

RT: 23.35 min Scan# 6707

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

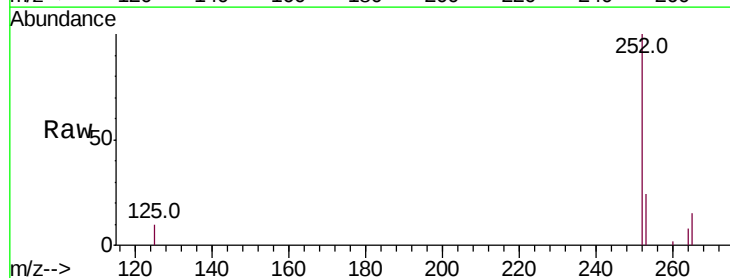
Tgt Ion:252 Resp: 24933

Ion Ratio Lower Upper

252 100

253 24.1 20.3 30.5

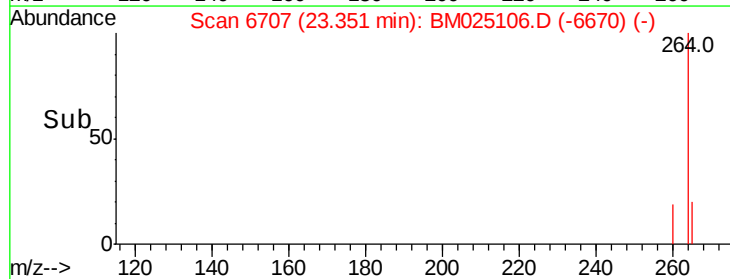
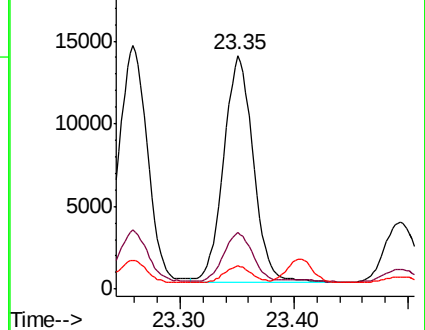
125 9.8 13.0 19.4#

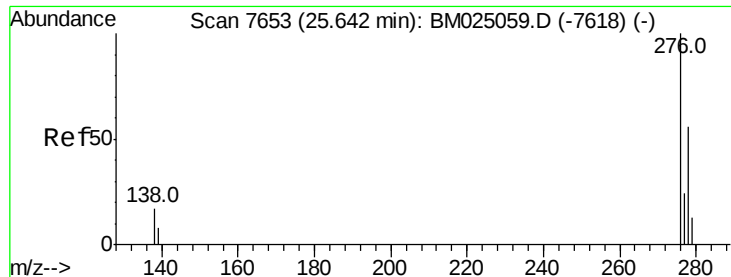


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



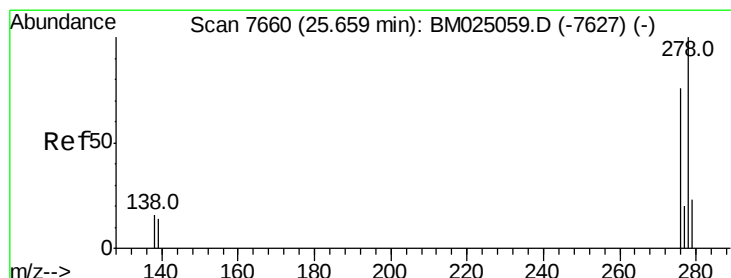
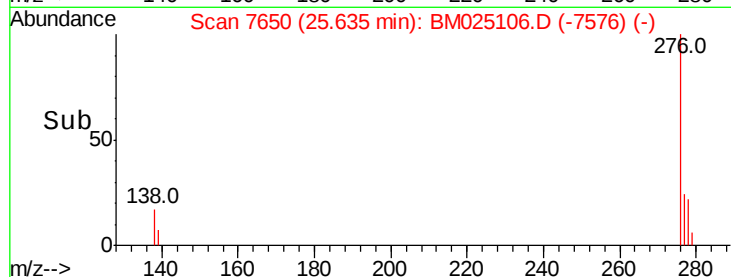
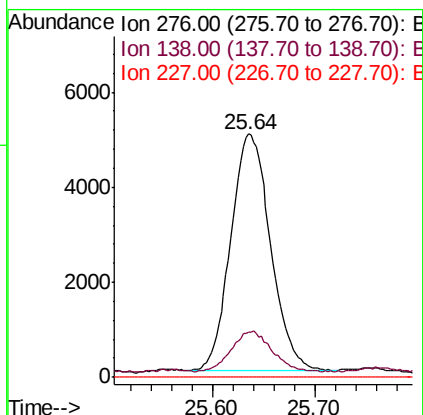
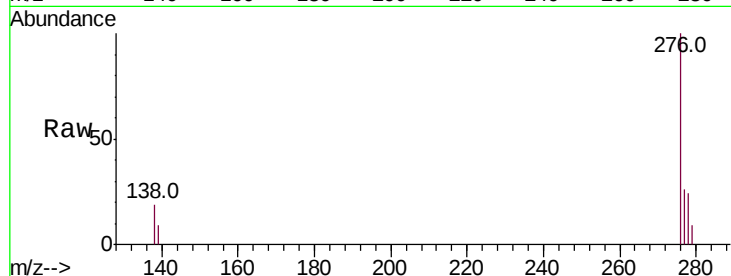


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.195 ng/u1
RT: 25.64 min Scan# 7650
Delta R.T. -0.02 min
Lab File: BM025106.D
Acq: 27 Feb 2020 16:45

Instrument :
BNA_M
ClientSampleId :
DBCZ5

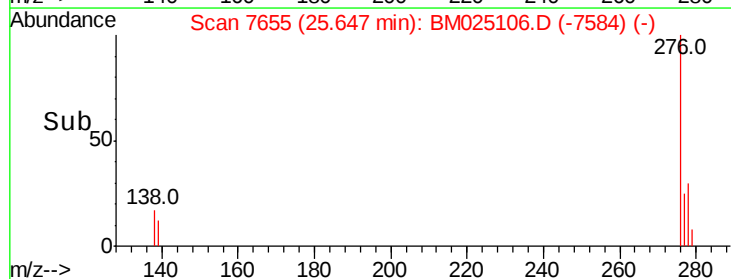
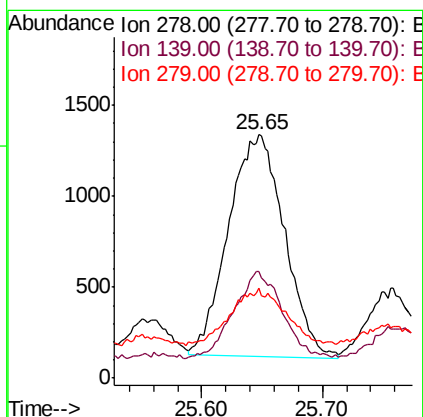
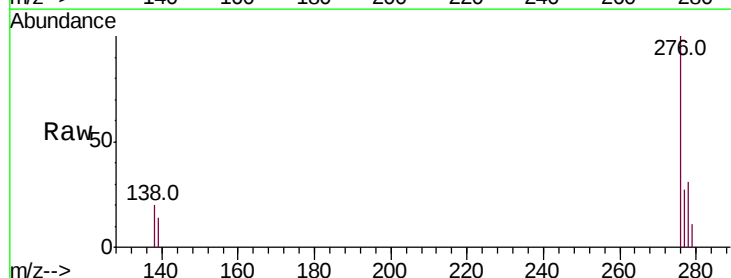
Tot Ion:276 Resp: 13422
Ion Ratio Lower Upper
276 100
138 17.2 0.0 0.0#
227 0.0 0.0 0.0

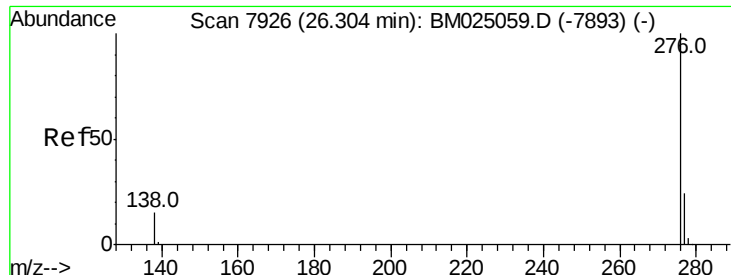


#25

Dibenzo(a,h)anthracene
Concen: 0.068 ng/u1
RT: 25.65 min Scan# 7655
Delta R.T. -0.03 min
Lab File: BM025106.D
Acq: 27 Feb 2020 16:45

Tgt Ion:278 Resp: 3912
Ion Ratio Lower Upper
278 100
139 43.7 13.2 19.8#
279 36.8 21.0 31.4#





#26

Benzo(a,h,i)perylene

Concen: 0.148 ng/ul

RT: 26.30 min Scan# 7926

Delta R.T. -0.01 min

Lab File: BM025106.D

Acq: 27 Feb 2020 16:45

Instrument :

BNA_M

ClientSampleId :

DBCZ5

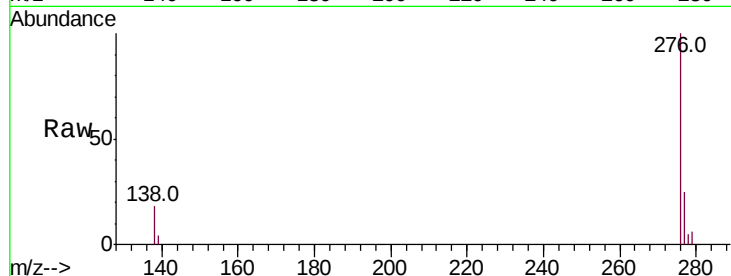
Tot Ion:276 Resp: 8544

Ion Ratio Lower Upper

276 100

138 17.7 17.9 26.9#

277 25.2 20.5 30.7



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

