

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021771.D
 Acq On : 03 Aug 2019 00:01
 Operator : HP/JU
 Sample : MDL-W-02
 Misc : 0.07PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 06:34:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 03 05:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	756	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	3352	0.40	ng/ul	0.06
6) Acenaphthene-d10	14.33	164	1617	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	2850	0.40	ng/ul	0.03
16) Chrysene-d12	21.28	240	2010	0.40	ng/ul	0.01
20) Perylene-d12	23.50	264	1944	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.13	152	1545	0.35	ng/ul	0.06
14) Fluoranthene-d10	19.11	212	2378	0.36	ng/ul	0.01

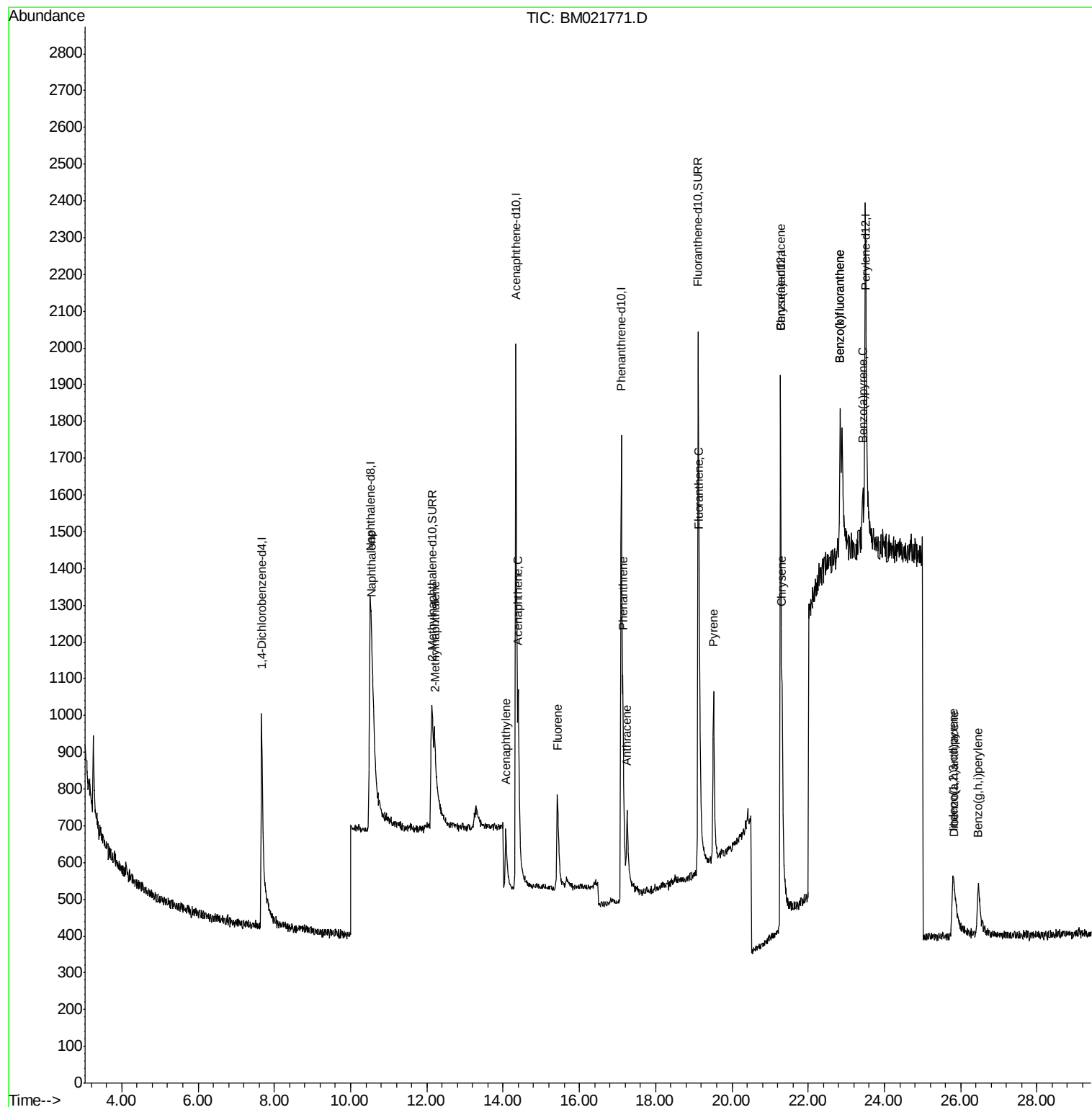
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	547	0.058	ng/ul#	34
5) 2-Methylnaphthalene	12.21	142	313	0.058	ng/ul	88
7) Acenaphthylene	14.07	152	435	0.054	ng/ul#	50
8) Acenaphthene	14.40	153	419	0.061	ng/ul	93
9) Fluorene	15.42	166	388	0.054	ng/ul#	90
12) Phenanthrene	17.14	178	543	0.057	ng/ul#	65
13) Anthracene	17.25	178	379	0.052	ng/ul#	55
15) Fluoranthene	19.15	202	613	0.065	ng/ul	65
17) Pyrene	19.52	202	648	0.073	ng/ul#	72
18) Benzo(a)anthracene	21.27	228	410	0.068	ng/ul#	78
19) Chrysene	21.31	228	837	0.083	ng/ul#	83
21) Benzo(b)fluoranthene	22.84	252	631	0.073	ng/ul#	30
22) Benzo(k)fluoranthene	22.84	252	631	0.069	ng/ul#	35
23) Benzo(a)pyrene	23.43	252	450	0.066	ng/ul#	6
24) Indeno(1,2,3-cd)pyrene	25.80	276	398	0.051	ng/ul#	45
25) Dibenzo(a,h)anthracene	25.83	278	268	0.044	ng/ul#	8
26) Benzo(a,h,i)perylene	26.46	276	427	0.056	ng/ul#	46

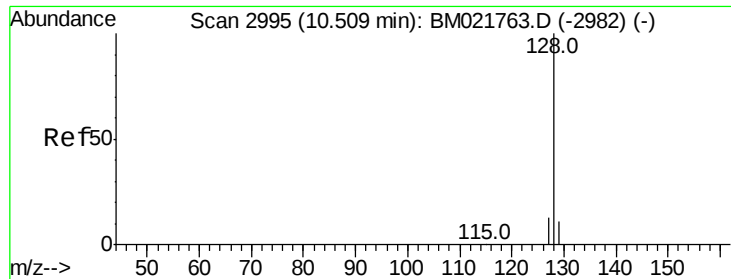
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.57 min Scan# 3007

Delta R.T. 0.06 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampled :

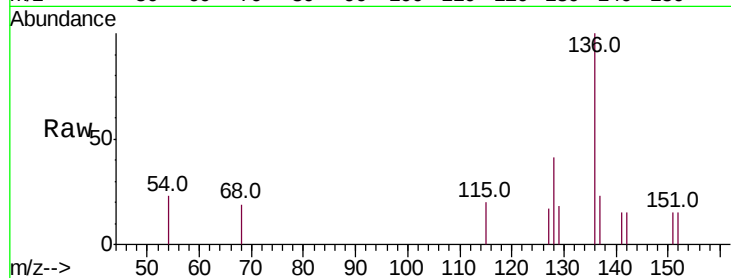
Tot Ion:128 Resp: 547

Ion Ratio Lower Upper

128 100

129 44.9 11.5 17.3#

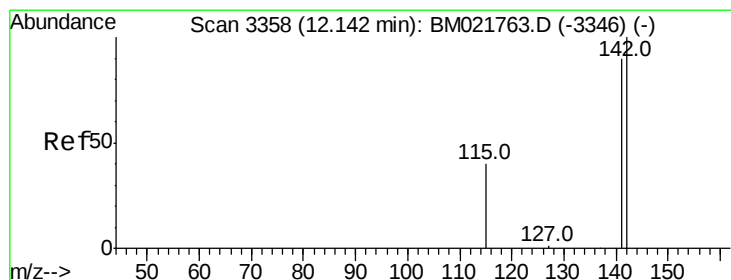
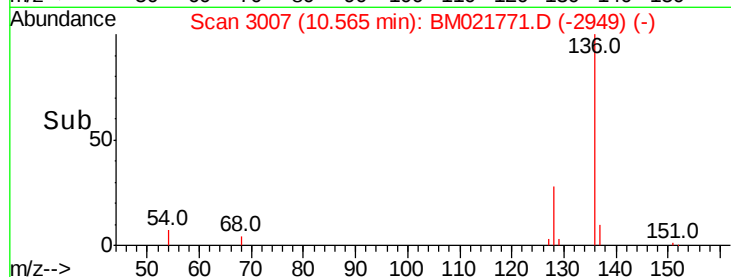
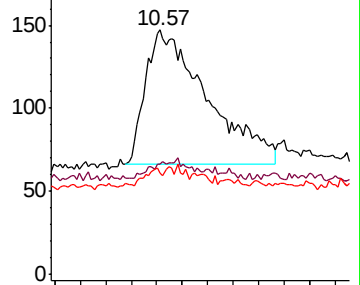
127 41.5 13.1 19.7#



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: 0.058 ng/ul

RT: 12.21 min Scan# 3373

Delta R.T. 0.07 min

Lab File: BM021771.D

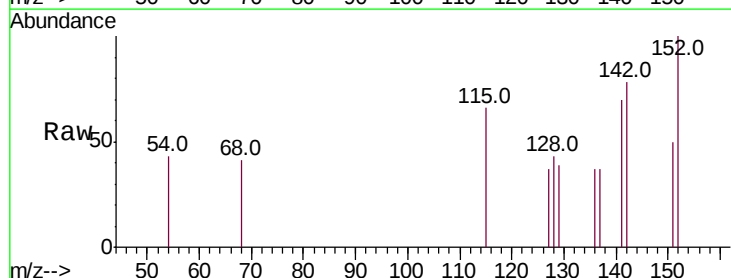
Acq: 03 Aug 2019 00:01

Tgt Ion:142 Resp: 313

Ion Ratio Lower Upper

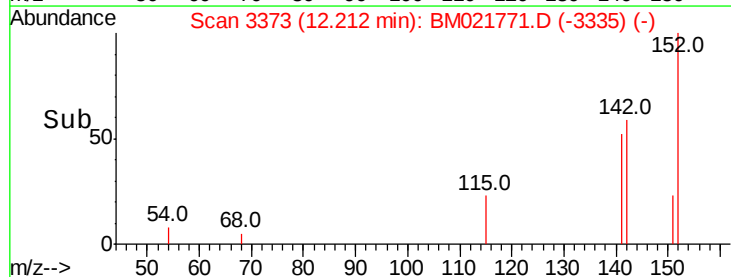
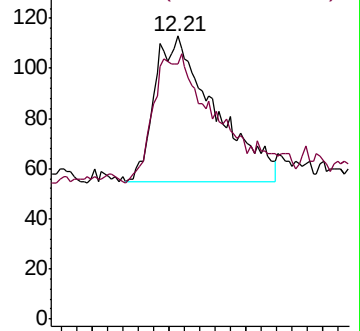
142 100

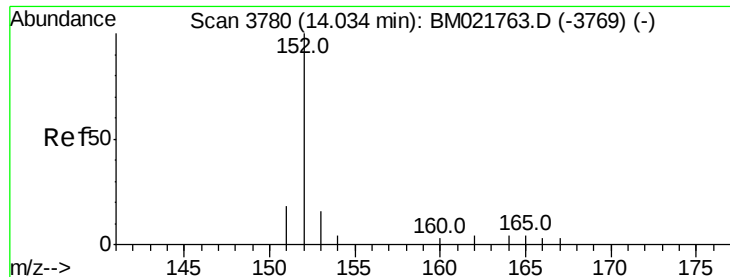
141 101.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.054 ng/ul

RT: 14.07 min Scan# 3788

Delta R.T. 0.03 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampled :

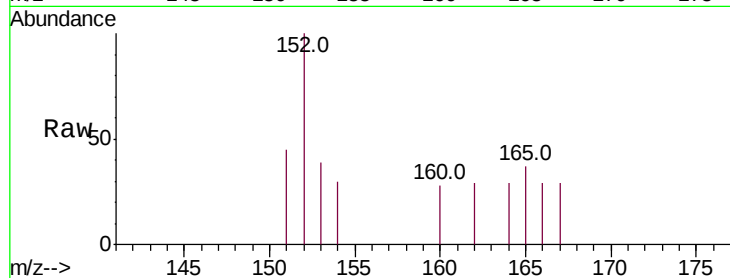
Tot Ion:152 Resp: 435

Ion Ratio Lower Upper

152 100

151 44.5 17.8 26.6#

153 39.3 12.6 18.8#



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

14.07

150

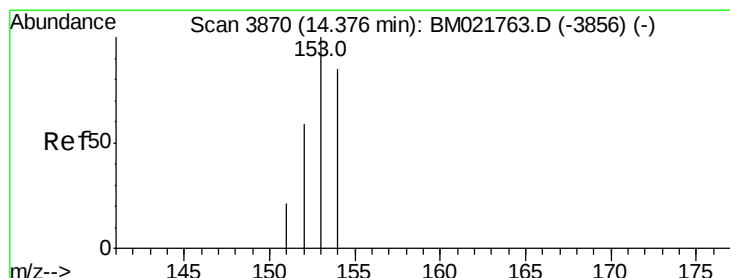
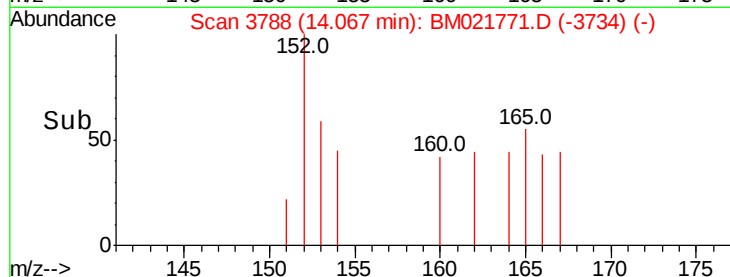
100

50

0

14.00 14.10 14.20

Time-->



#8

Acenaphthene

Concen: 0.061 ng/ul

RT: 14.40 min Scan# 3876

Delta R.T. 0.02 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

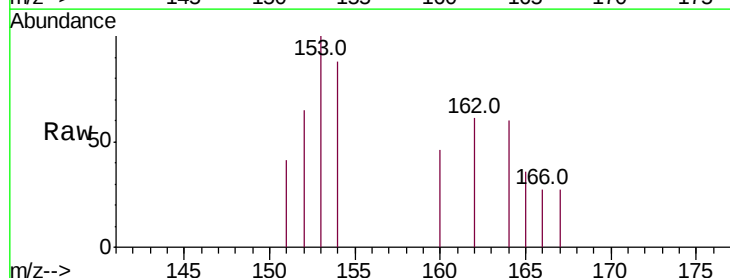
Tgt Ion:153 Resp: 419

Ion Ratio Lower Upper

153 100

152 64.5 44.0 66.0

154 87.6 68.0 102.0



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

14.40

250

200

150

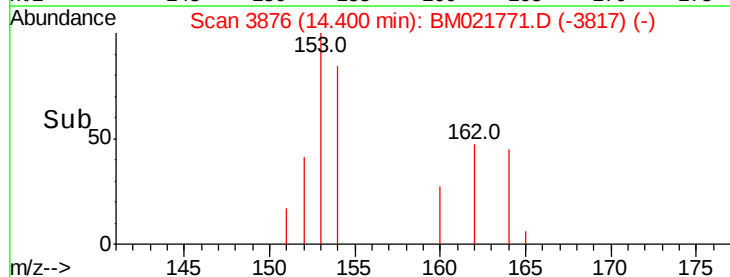
100

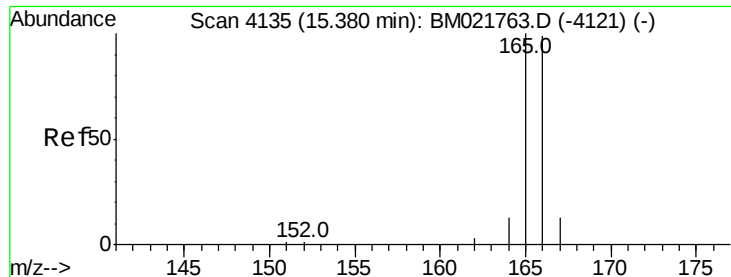
50

0

14.30 14.40 14.50 14.60

Time-->





#9

Fluorene

Concen: 0.054 ng/ul

RT: 15.42 min Scan# 4146

Delta R.T. 0.04 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampleId :

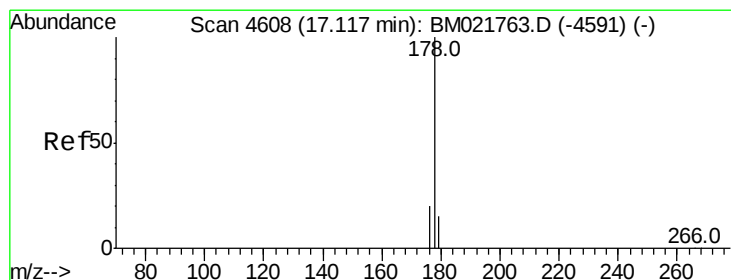
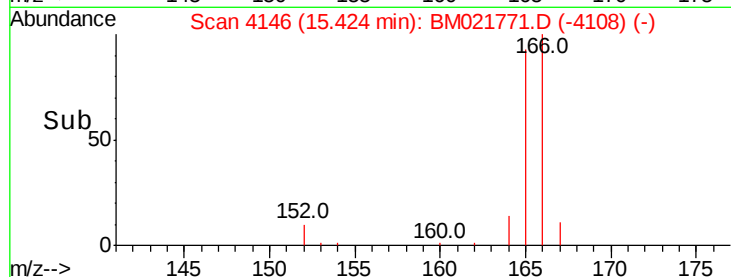
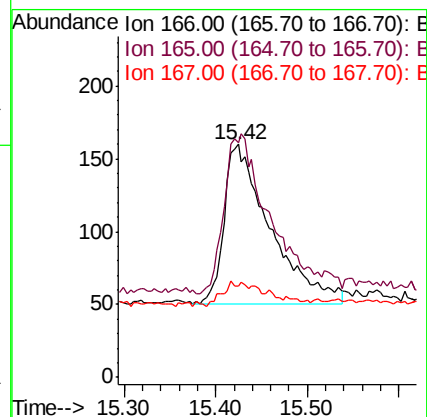
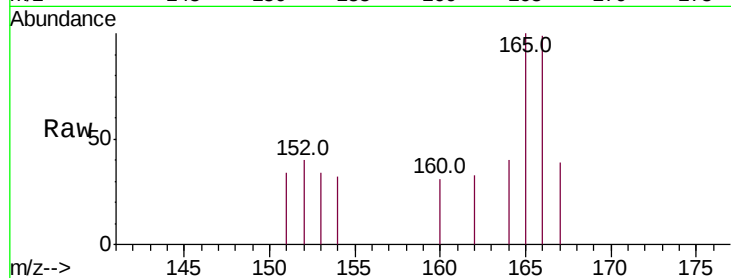
Tot Ion:166 Resp: 388

Ion Ratio Lower Upper

166 100

165 100.6 83.0 124.4

167 39.4 13.4 20.2#



#12

Phenanthrene

Concen: 0.057 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.03 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

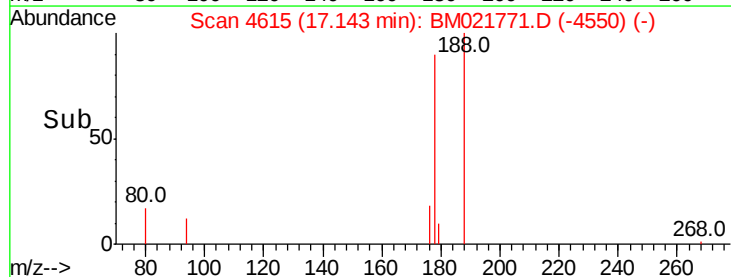
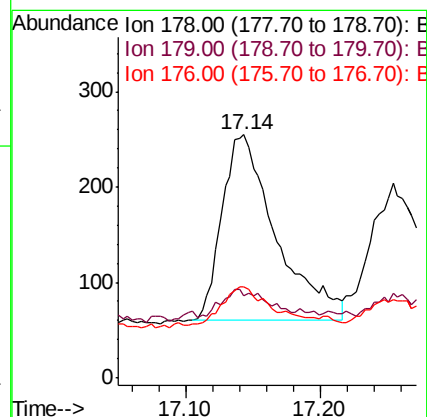
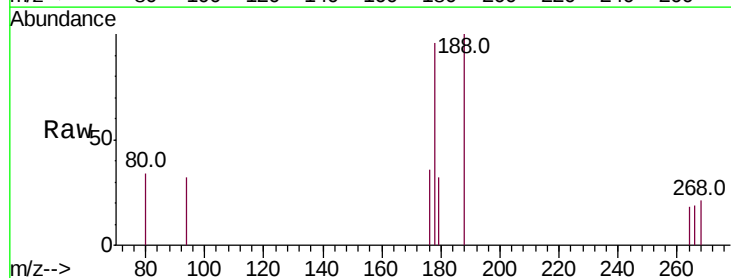
Tgt Ion:178 Resp: 543

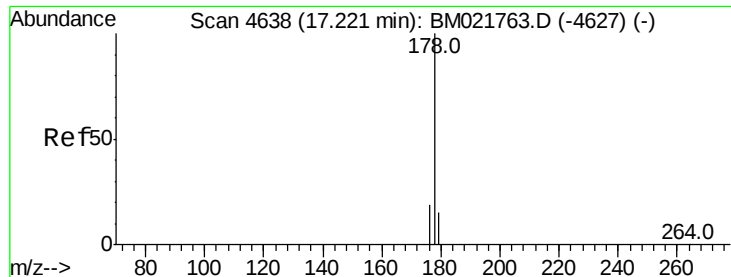
Ion Ratio Lower Upper

178 100

179 33.7 14.0 21.0#

176 37.3 17.0 25.6#





#13

Anthracene

Concen: 0.052 ng/ul

RT: 17.25 min Scan# 4647

Delta R.T. 0.04 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampleId :

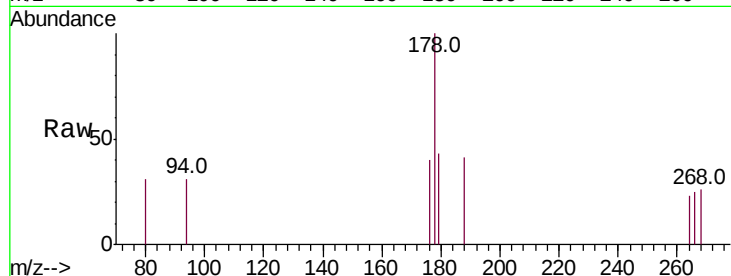
Tot Ion:178 Resp: 379

Ion Ratio Lower Upper

178 100

179 43.1 14.5 21.7#

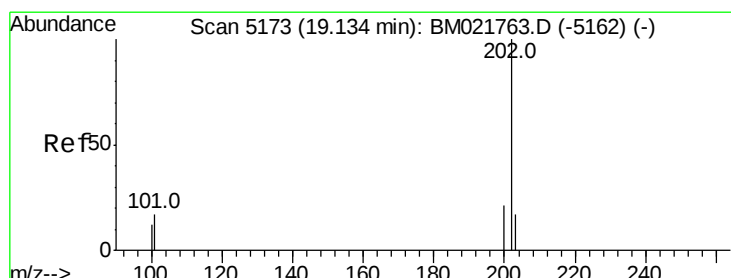
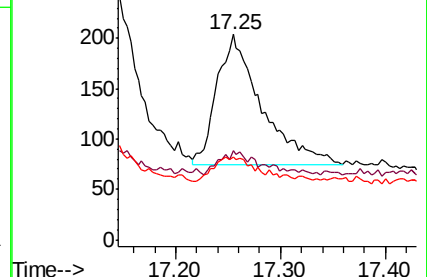
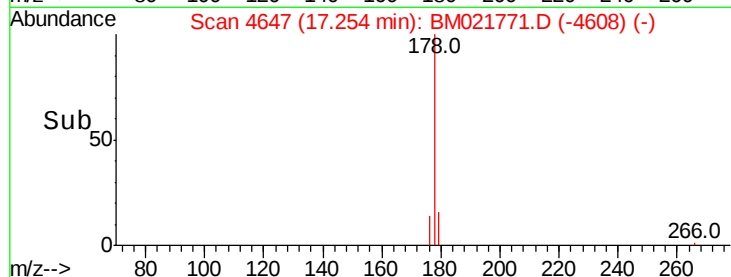
176 40.2 18.1 27.1#



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: 0.065 ng/ul

RT: 19.15 min Scan# 5176

Delta R.T. 0.02 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

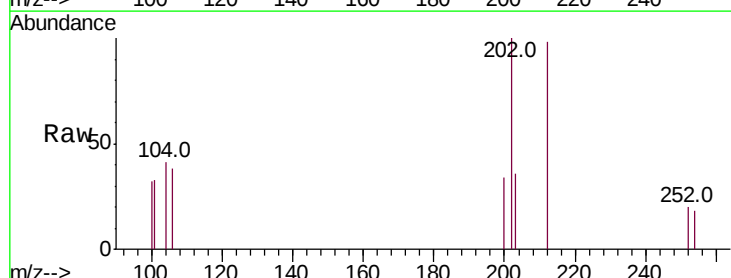
Tgt Ion:202 Resp: 613

Ion Ratio Lower Upper

202 100

101 32.6 0.0 38.6

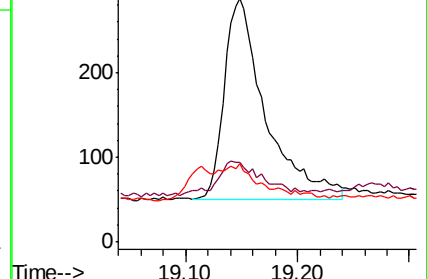
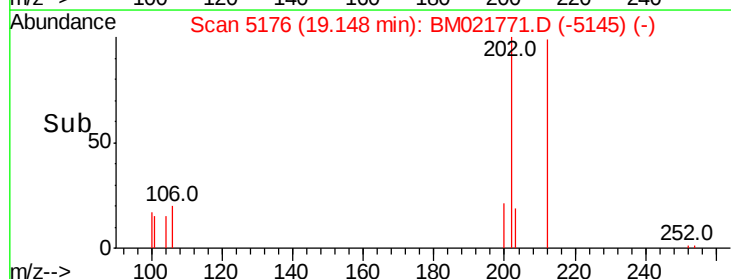
100 31.9 0.0 35.6

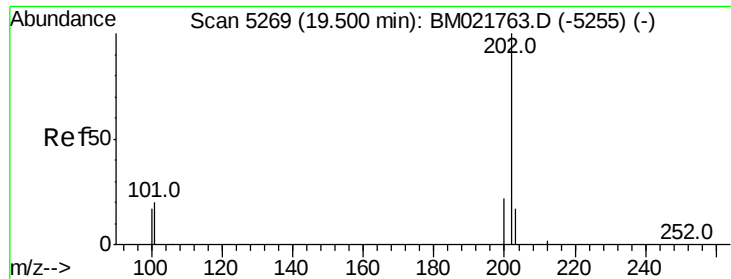


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

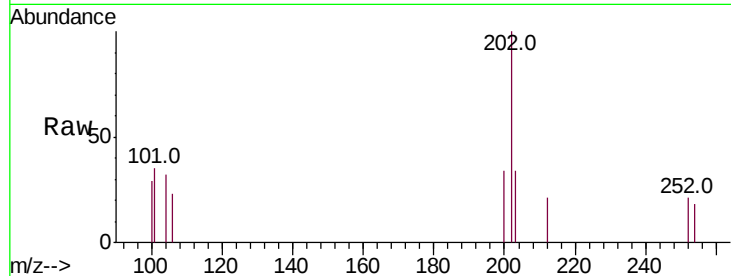




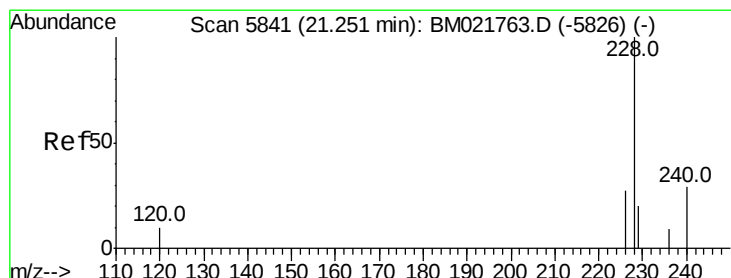
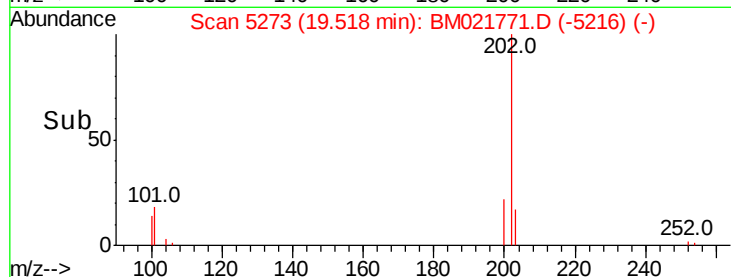
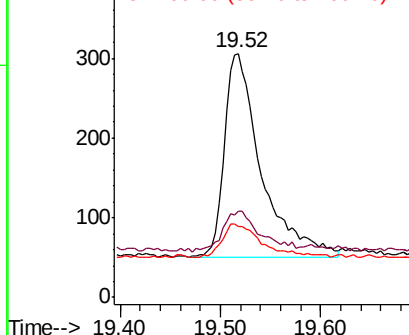
#17
Pvrene
Concen: 0.073 ng/ul
RT: 19.52 min Scan# 5273
Delta R.T. 0.02 min
Lab File: BM021771.D
Acq: 03 Aug 2019 00:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 648
Ion Ratio Lower Upper
202 100
101 35.3 17.0 25.6#
100 29.1 14.3 21.5#

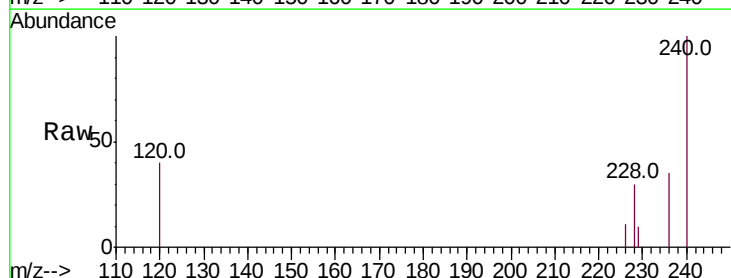


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

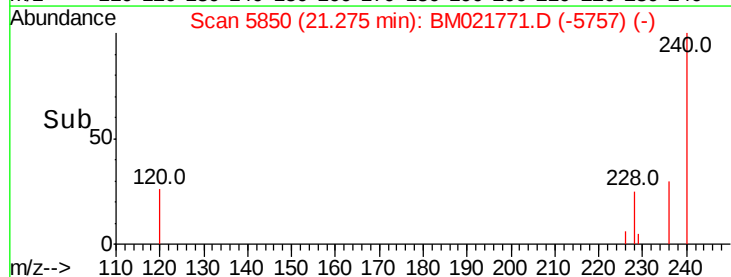
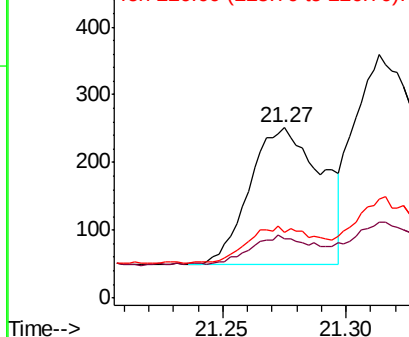


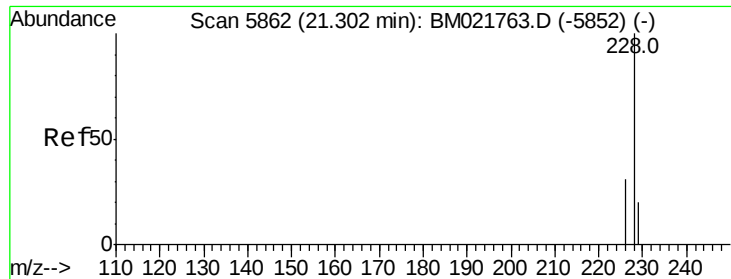
#18
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.27 min Scan# 5850
Delta R.T. 0.02 min
Lab File: BM021771.D
Acq: 03 Aug 2019 00:01

Tgt Ion:228 Resp: 410
Ion Ratio Lower Upper
228 100
229 35.1 16.6 24.8#
226 38.6 24.2 36.2#



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: 0.083 ng/ul

RT: 21.31 min Scan# 5866

Delta R.T. 0.01 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampled :

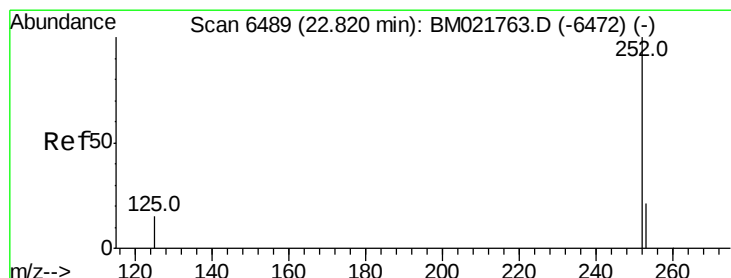
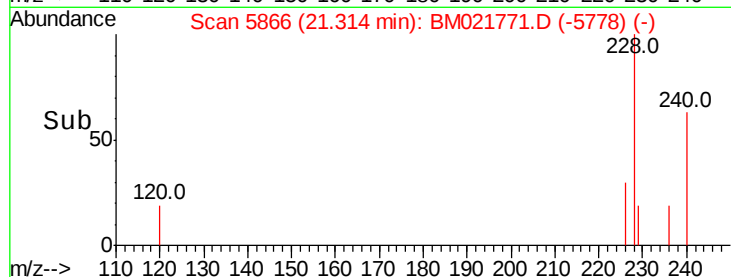
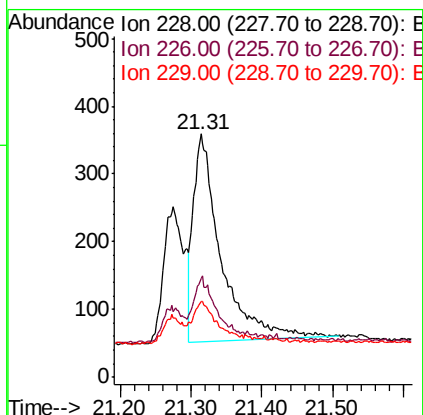
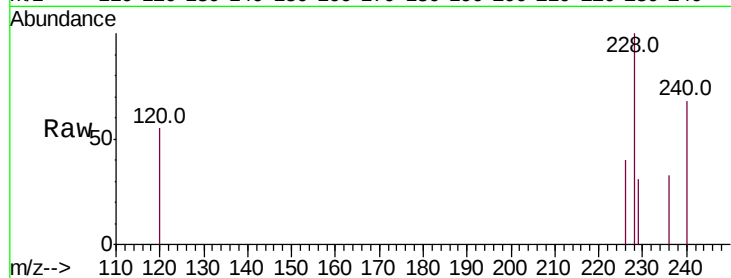
Tot Ion:228 Resp: 837

Ion Ratio Lower Upper

228 100

226 40.4 25.6 38.4#

229 30.9 17.6 26.4#



#21

Benzo(b)fluoranthene

Concen: 0.073 ng/ul

RT: 22.84 min Scan# 6495

Delta R.T. 0.02 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

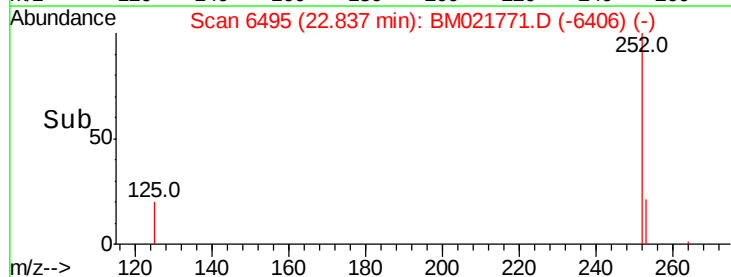
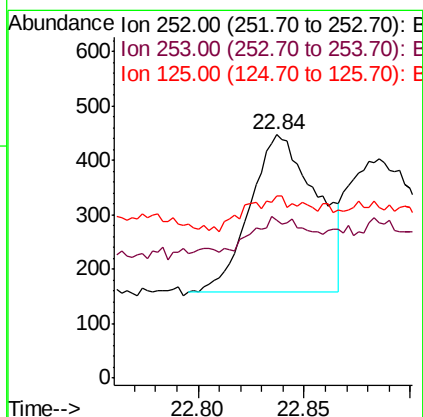
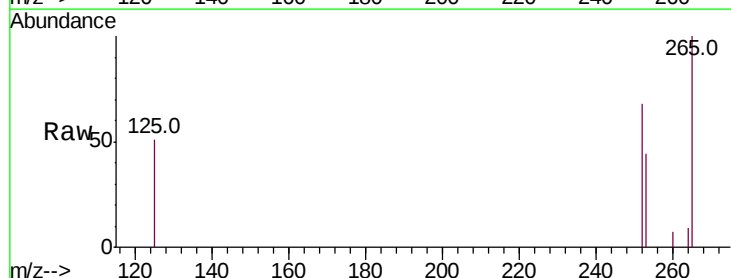
Tgt Ion:252 Resp: 631

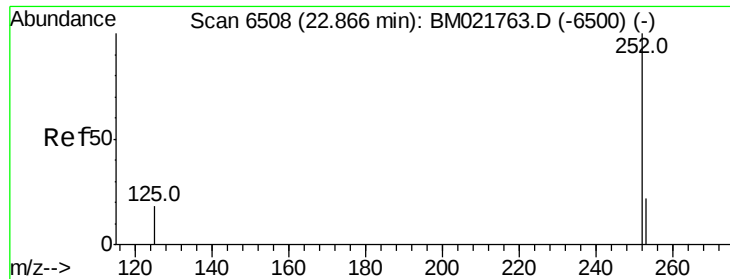
Ion Ratio Lower Upper

252 100

253 64.9 0.0 62.8#

125 74.9 0.0 62.2#





#22

Benzo(k)fluoranthene

Concen: 0.069 ng/ul

RT: 22.84 min Scan# 6495

Delta R.T. -0.03 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampleId :

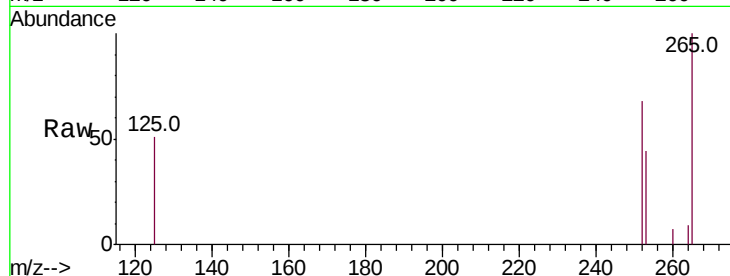
Tot Ion:252 Resp: 631

Ion Ratio Lower Upper

252 100

253 64.9 25.8 38.8#

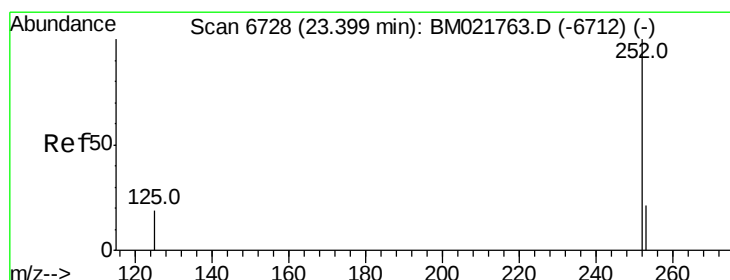
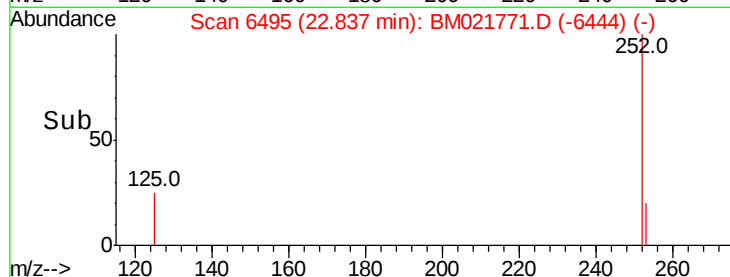
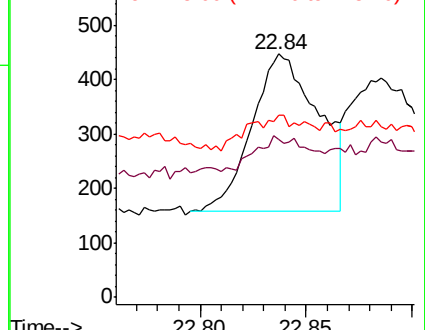
125 74.9 27.0 40.4#



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



#23

Benzo(a)pyrene

Concen: 0.066 ng/ul

RT: 23.43 min Scan# 6738

Delta R.T. 0.02 min

Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

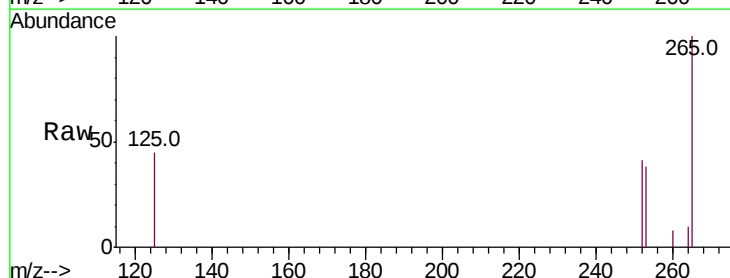
Tgt Ion:252 Resp: 450

Ion Ratio Lower Upper

252 100

253 94.4 32.4 48.6#

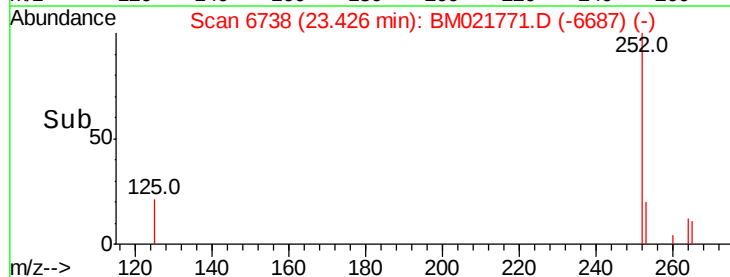
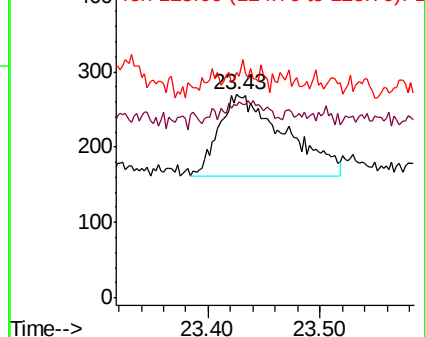
125 110.7 35.9 53.9#

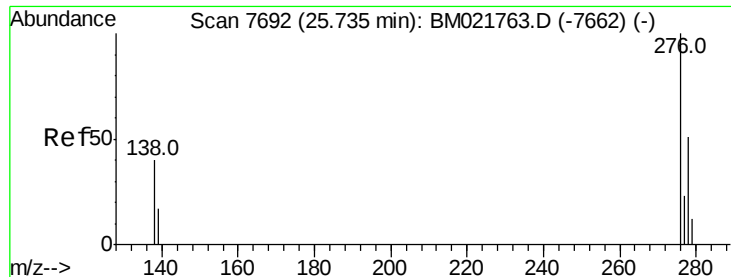


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



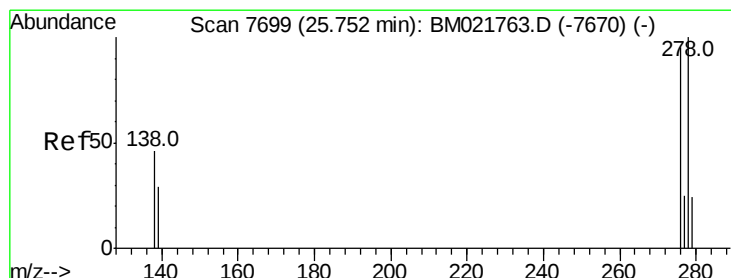
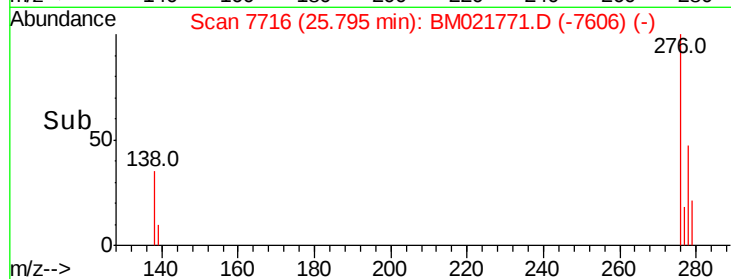
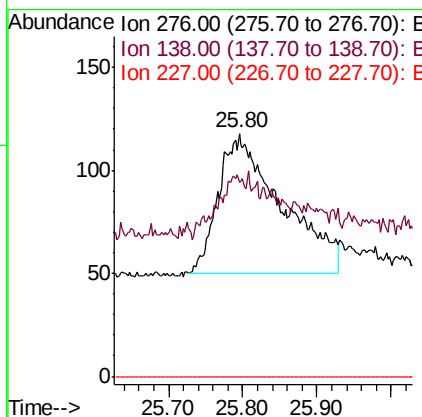
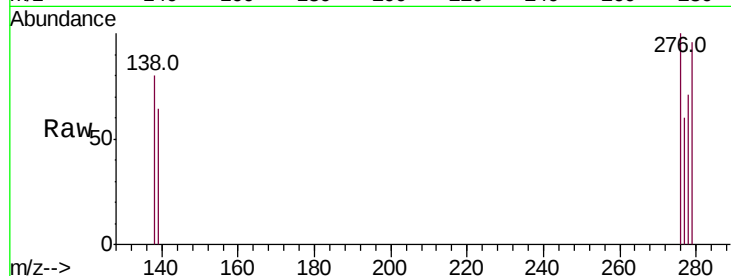


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.051 ng/ul
RT: 25.80 min Scan# 7716
Delta R.T. 0.07 min
Lab File: BM021771.D
Acq: 03 Aug 2019 00:01

Instrument :
BNA_M
ClientSampleId :

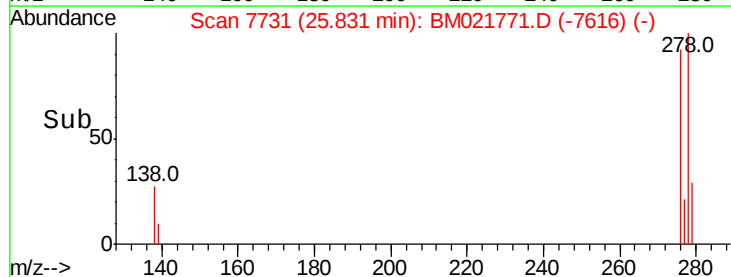
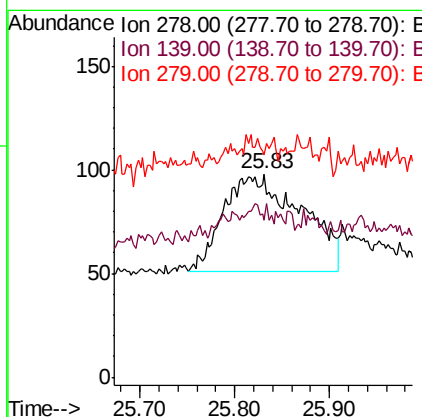
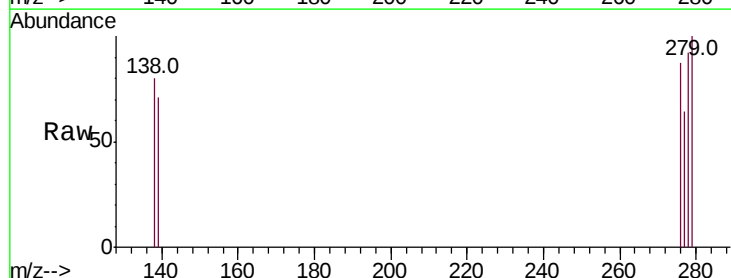
Tot Ion	Ratio	Lower	Upper
276	100		
138	7.3	33.8	50.8#
227	0.0	0.0	0.0

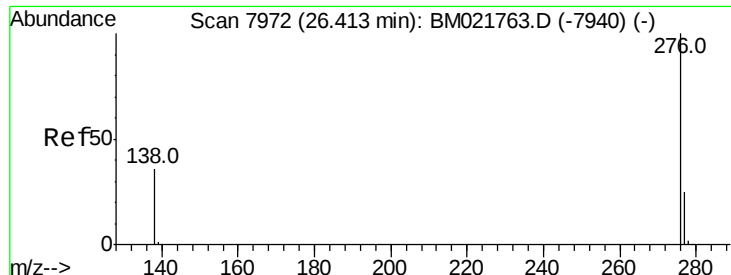


#25

Dibenzo(a,h)anthracene
Concen: 0.044 ng/ul
RT: 25.83 min Scan# 7731
Delta R.T. 0.08 min
Lab File: BM021771.D
Acq: 03 Aug 2019 00:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	77.6	29.5	44.3#
279	109.2	31.1	46.7#





#26

Benzo(a,h,i)perylene

Concen: 0.056 ng/ul

RT: 26.46 min Scan# 7991

Delta R.T. 0.05 min

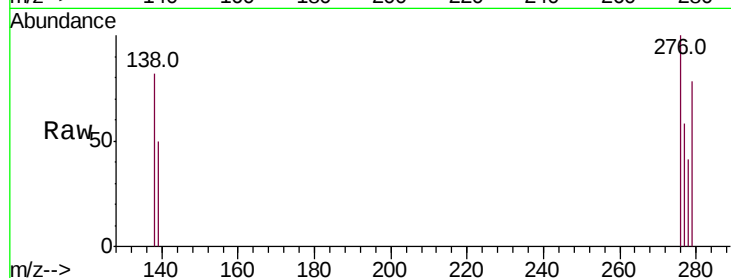
Lab File: BM021771.D

Acq: 03 Aug 2019 00:01

Instrument :

BNA_M

ClientSampleId :



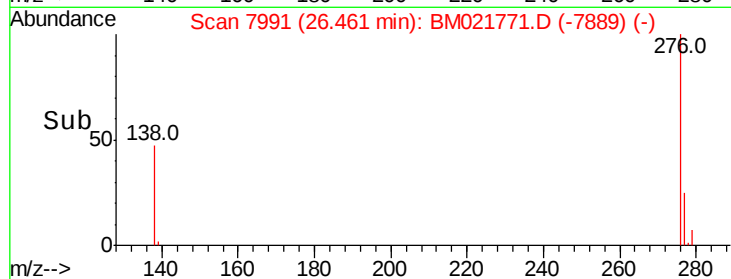
Tot Ion:276 Resp: 427

Ion Ratio Lower Upper

276 100

138 82.0 36.2 54.2#

277 57.9 24.2 36.2#



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

