

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021775.D
 Acq On : 03 Aug 2019 04:44
 Operator : HP/JU
 Sample : MDL-W-06
 Misc : 0.07PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 06:34:54 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	695	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	3171	0.40	ng/ul	0.06
6) Acenaphthene-d10	14.33	164	1542	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	2644	0.40	ng/ul	0.02
16) Chrysene-d12	21.27	240	1786	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1822	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1562	0.37	ng/ul	0.05
14) Fluoranthene-d10	19.11	212	2268	0.37	ng/ul	0.01

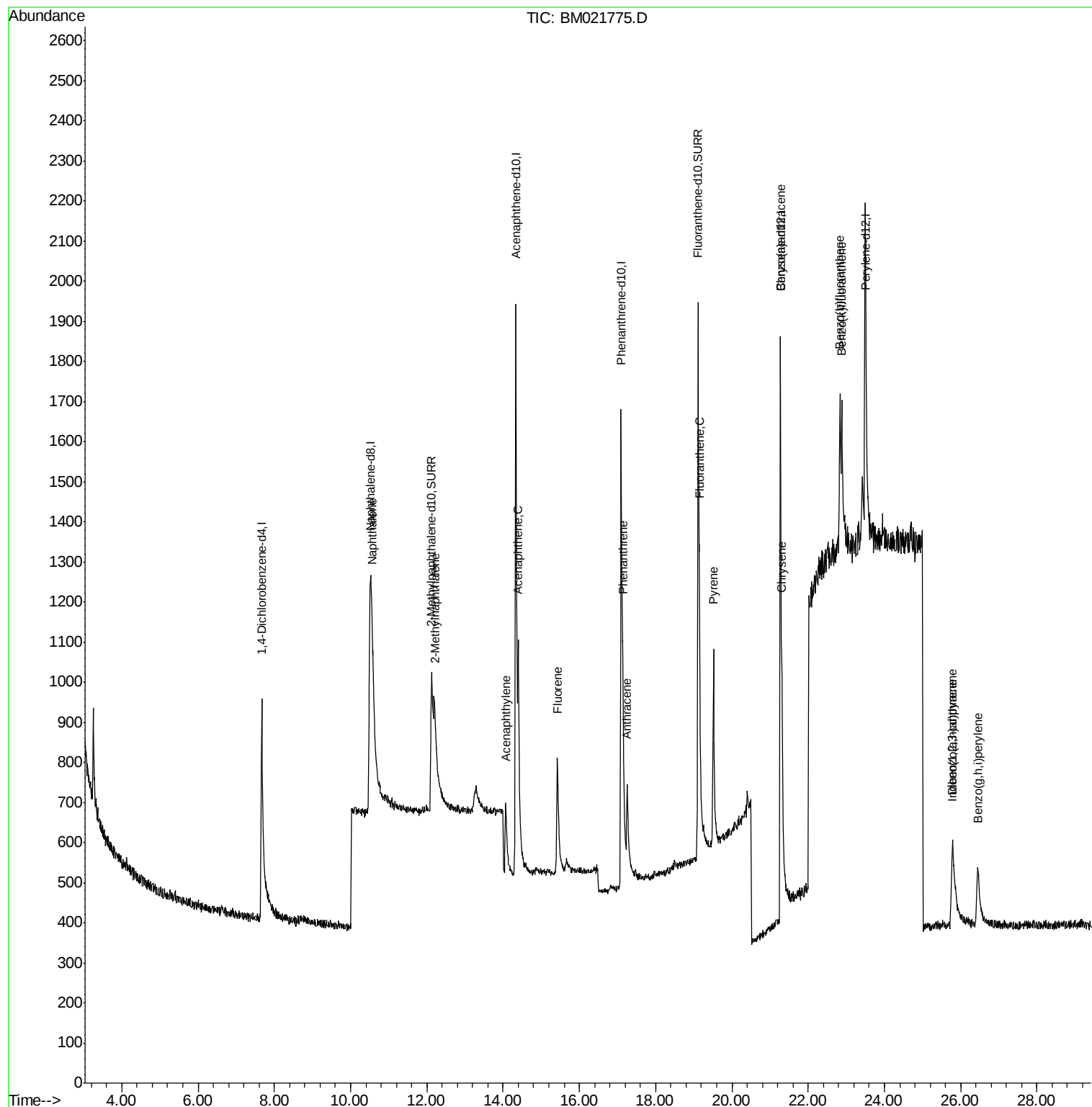
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	633	0.071	ng/ul#	41
5) 2-Methylnaphthalene	12.22	142	368	0.072	ng/ul#	79
7) Acenaphthylene	14.08	152	439	0.057	ng/ul#	55
8) Acenaphthene	14.39	153	448	0.068	ng/ul#	93
9) Fluorene	15.42	166	430	0.063	ng/ul#	92
12) Phenanthrene	17.14	178	608	0.069	ng/ul#	63
13) Anthracene	17.25	178	374	0.056	ng/ul#	60
15) Fluoranthene	19.15	202	634	0.072	ng/ul	68
17) Pyrene	19.52	202	678	0.086	ng/ul#	73
18) Benzo(a)anthracene	21.27	228	400	0.075	ng/ul#	74
19) Chrysene	21.31	228	754	0.084	ng/ul#	79
21) Benzo(b)fluoranthene	22.83	252	629	0.078	ng/ul#	29
22) Benzo(k)fluoranthene	22.88	252	587	0.069	ng/ul#	37
24) Indeno(1,2,3-cd)pyrene	25.77	276	462	0.063	ng/ul#	33
25) Dibenzo(a,h)anthracene	25.79	278	352	0.061	ng/ul#	13
26) Benzo(a,h,i)perylene	26.45	276	466	0.066	ng/ul#	55

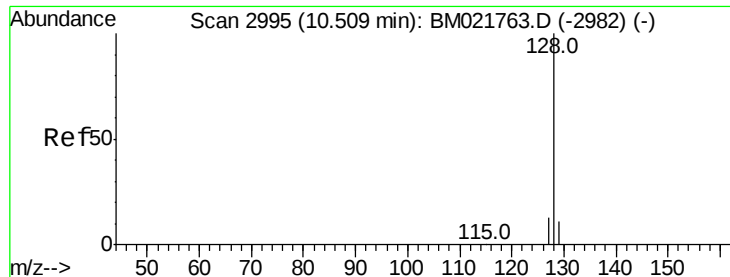
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 03 05:33:59 2019
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#3

Naphthalene

Concen: 0.071 ng/ul

RT: 10.57 min Scan# 3008

Delta R.T. 0.06 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampleId :

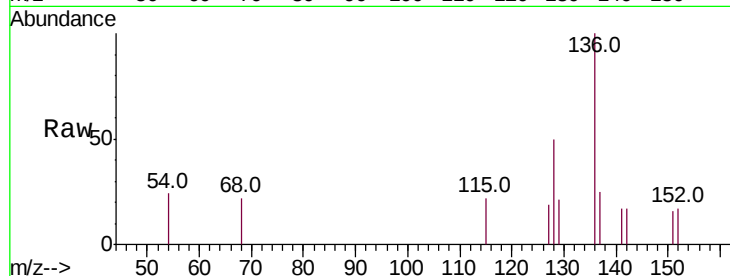
Tot Ion:128 Resp: 633

Ion Ratio Lower Upper

128 100

129 42.0 11.5 17.3#

127 38.3 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

10.57

150

100

50

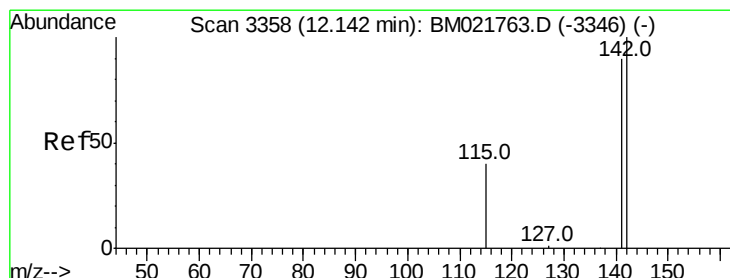
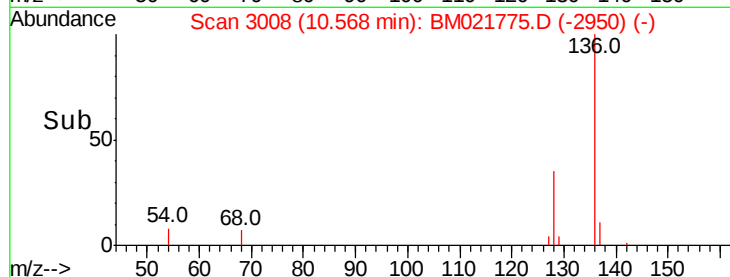
0

Time-->

10.40

10.60

10.80



#5

2-Methylnaphthalene

Concen: 0.072 ng/ul

RT: 12.22 min Scan# 3375

Delta R.T. 0.08 min

Lab File: BM021775.D

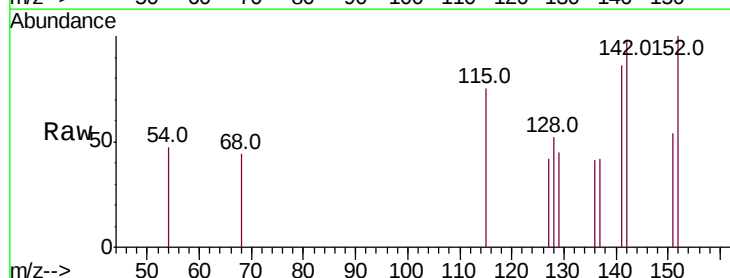
Acq: 03 Aug 2019 04:44

Tgt Ion:142 Resp: 368

Ion Ratio Lower Upper

142 100

141 110.1 72.0 108.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.22

100

50

0

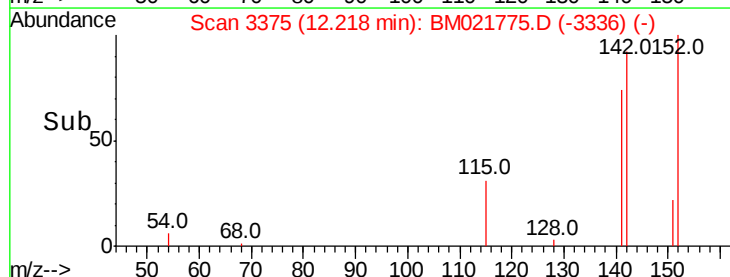
Time-->

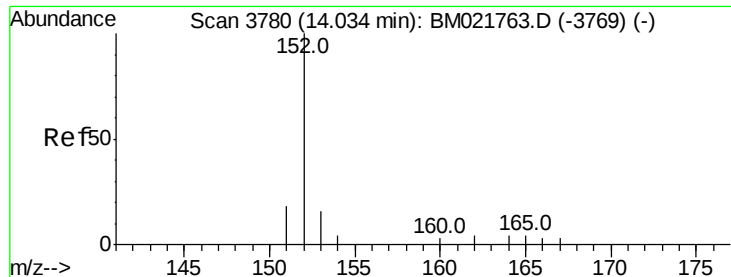
12.10

12.20

12.30

12.40





#7

Acenaphthylene

Concen: 0.057 ng/ul

RT: 14.08 min Scan# 3791

Delta R.T. 0.04 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampled :

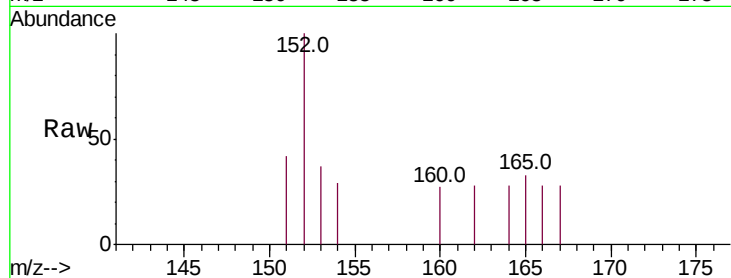
Tot Ion:152 Resp: 439

Ion Ratio Lower Upper

152 100

151 42.0 17.8 26.6#

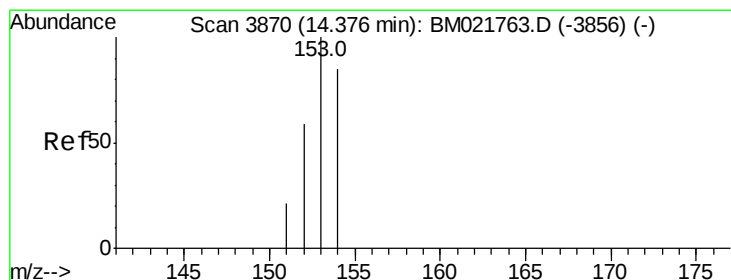
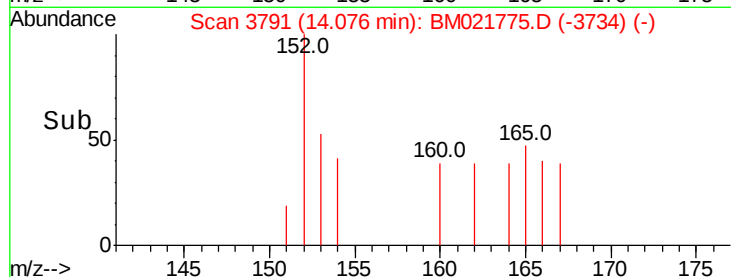
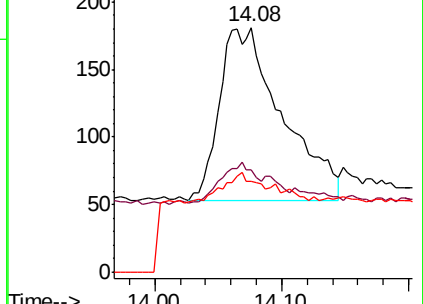
153 37.0 12.6 18.8#



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



#8

Acenaphthene

Concen: 0.068 ng/ul

RT: 14.39 min Scan# 3875

Delta R.T. 0.02 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

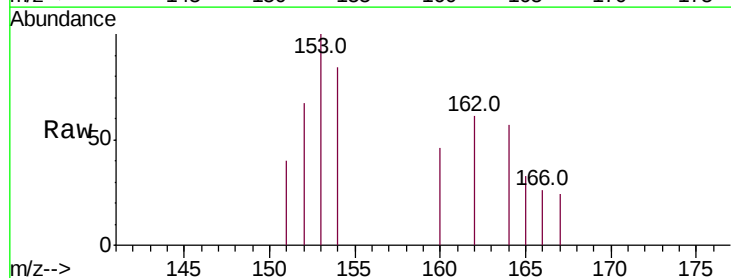
Tgt Ion:153 Resp: 448

Ion Ratio Lower Upper

153 100

152 66.8 44.0 66.0#

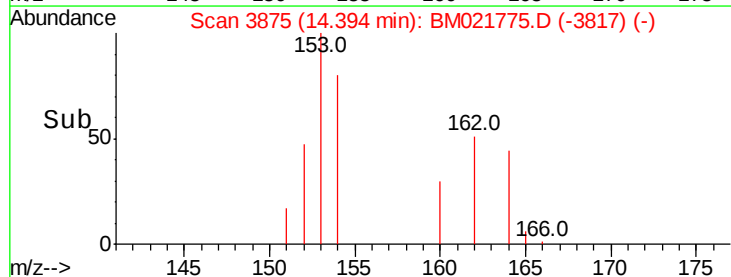
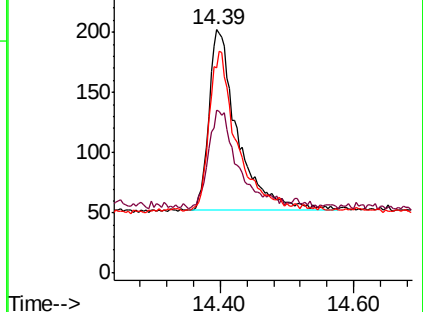
154 84.2 68.0 102.0

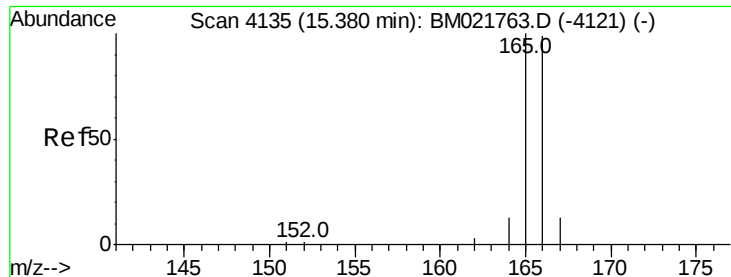


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.063 ng/ul

RT: 15.42 min Scan# 4146

Delta R.T. 0.04 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampled :

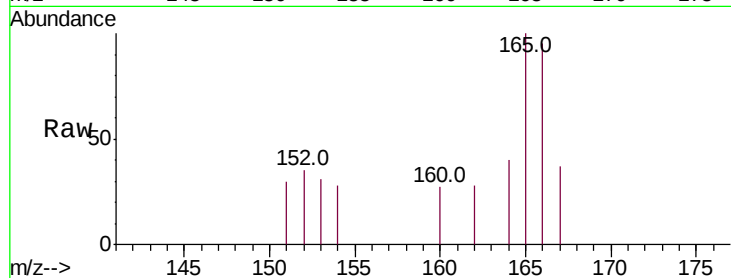
Tot Ion:166 Resp: 430

Ion Ratio Lower Upper

166 100

165 105.3 83.0 124.4

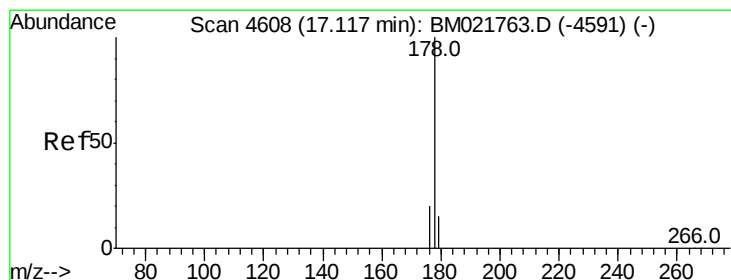
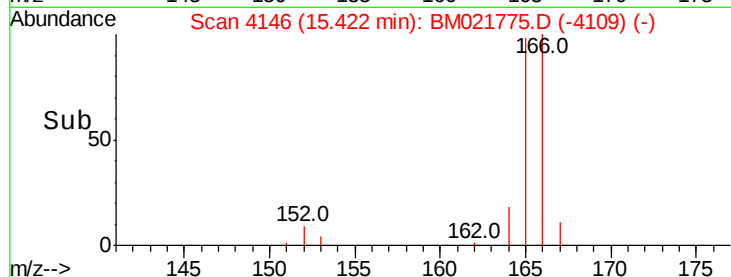
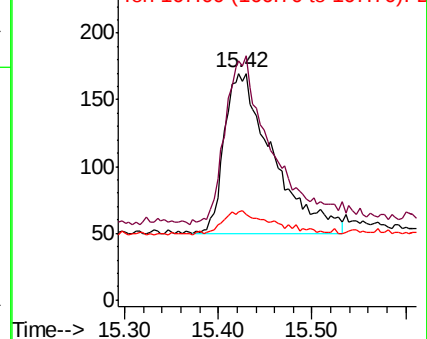
167 38.8 13.4 20.2#



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: 0.069 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.02 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

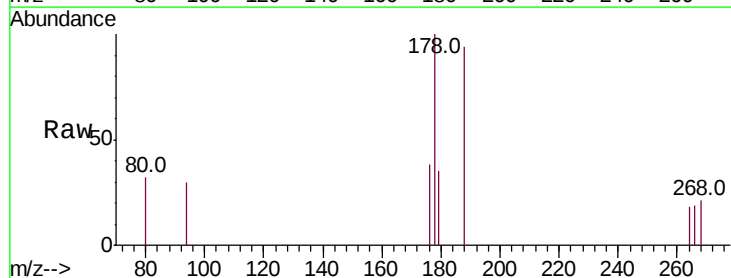
Tgt Ion:178 Resp: 608

Ion Ratio Lower Upper

178 100

179 35.3 14.0 21.0#

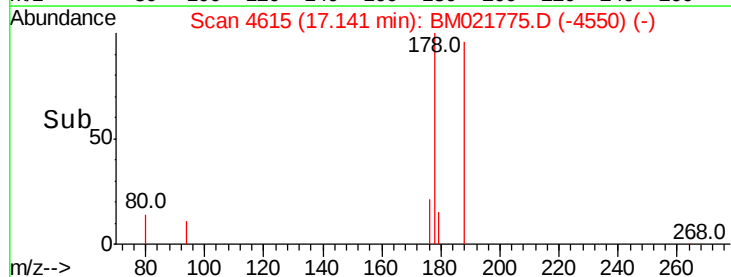
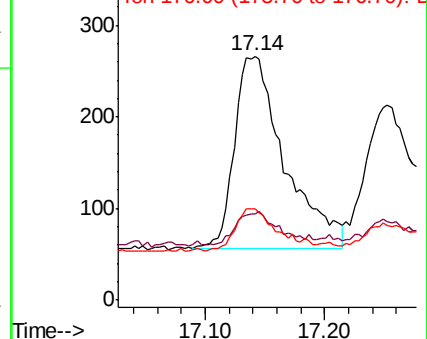
176 37.6 17.0 25.6#

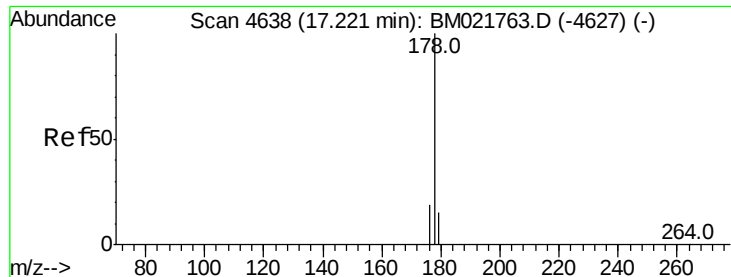


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.056 ng/ul

RT: 17.25 min Scan# 4647

Delta R.T. 0.03 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampleId :

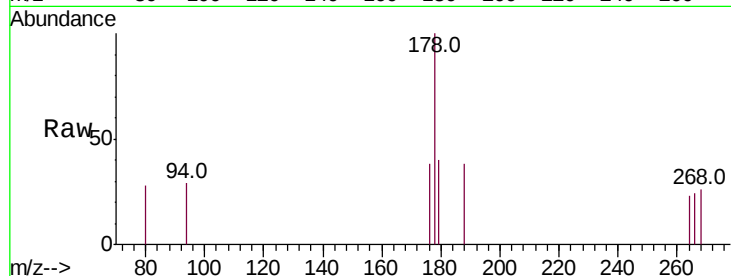
Tot Ion:178 Resp: 374

Ion Ratio Lower Upper

178 100

179 40.4 14.5 21.7#

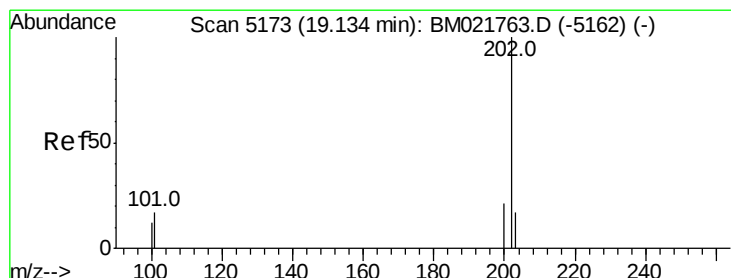
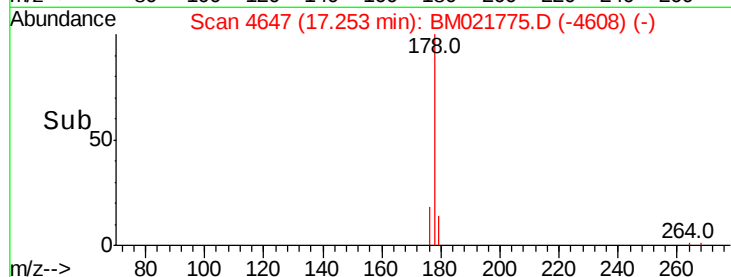
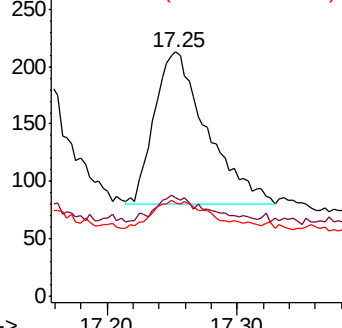
176 38.0 18.1 27.1#



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: 0.072 ng/ul

RT: 19.15 min Scan# 5176

Delta R.T. 0.02 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

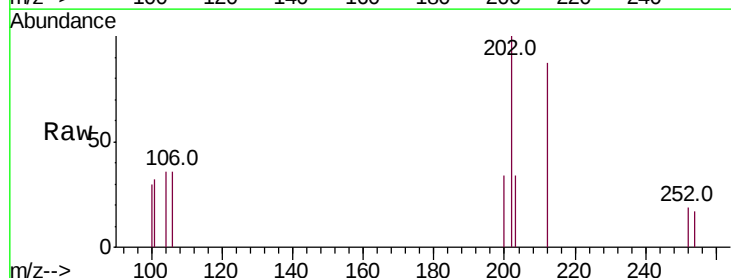
Tgt Ion:202 Resp: 634

Ion Ratio Lower Upper

202 100

101 31.9 0.0 38.6

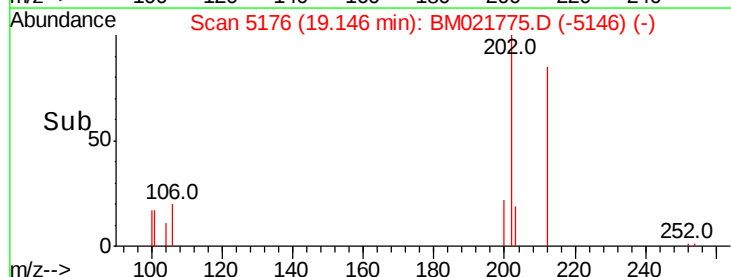
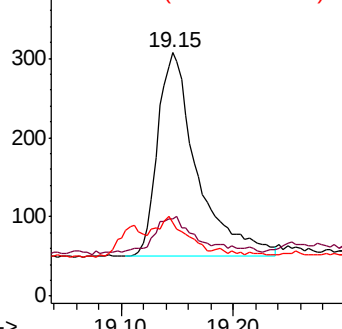
100 30.3 0.0 35.6

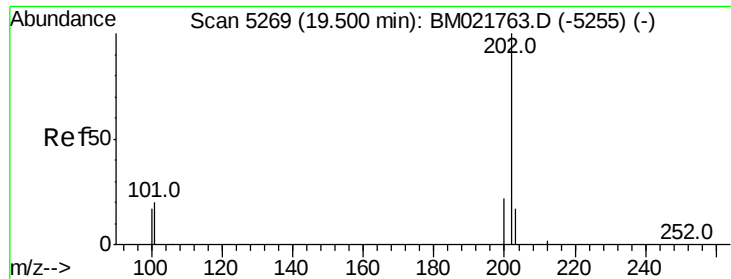


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.086 ng/ul

RT: 19.52 min Scan# 5273

Delta R.T. 0.02 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampleId :

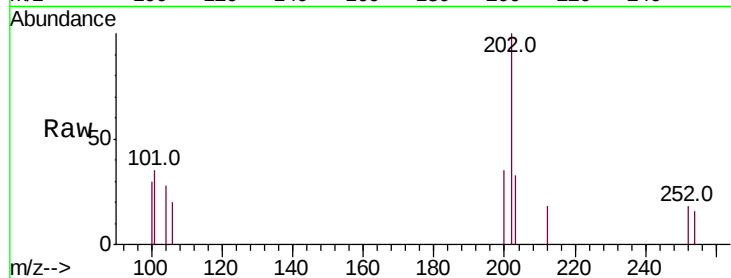
Tot Ion:202 Resp: 678

Ion Ratio Lower Upper

202 100

101 34.6 17.0 25.6#

100 29.6 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

19.52

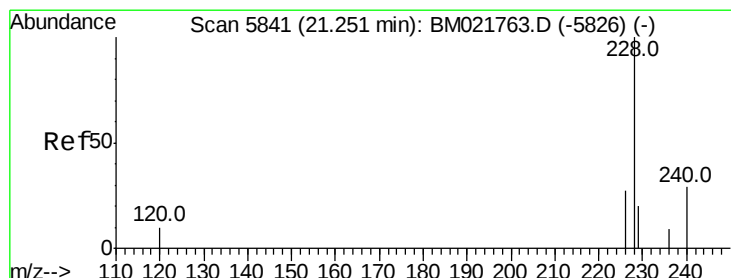
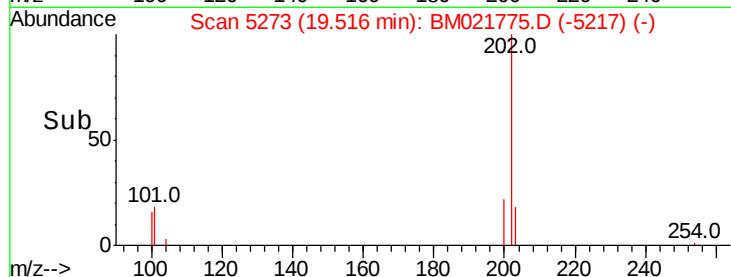
300

200

100

0

Time-->



#18

Benzo(a)anthracene

Concen: 0.075 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.02 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

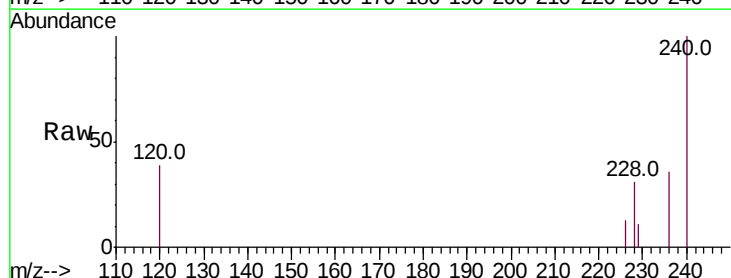
Tgt Ion:228 Resp: 400

Ion Ratio Lower Upper

228 100

229 34.4 16.6 24.8#

226 42.8 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

21.27

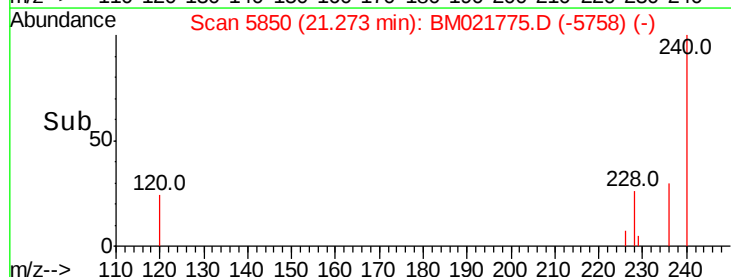
300

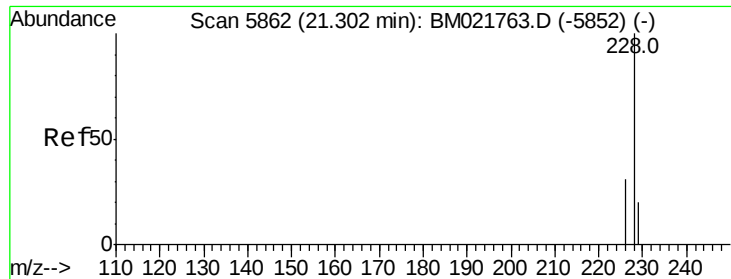
200

100

0

Time-->





#19

Chrysene

Concen: 0.084 ng/ul

RT: 21.31 min Scan# 5866

Delta R.T. 0.01 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampleId :

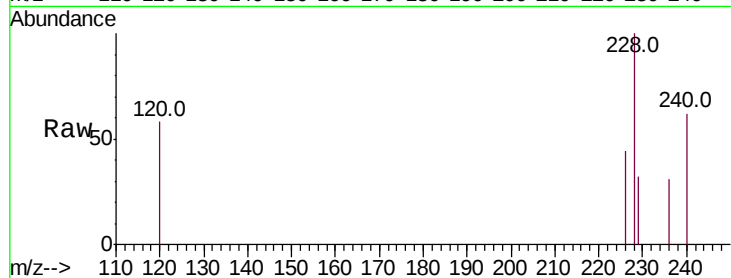
Tot Ion:228 Resp: 754

Ion Ratio Lower Upper

228 100

226 43.7 25.6 38.4#

229 31.6 17.6 26.4#



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

21.31

400

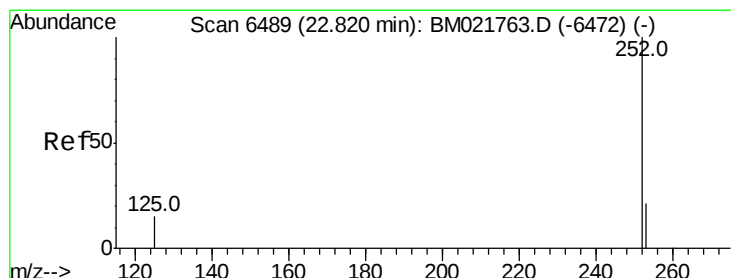
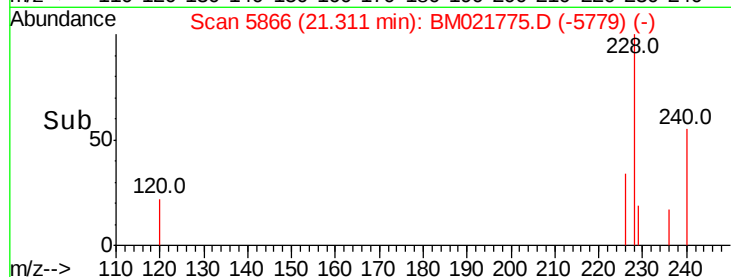
300

200

100

0

Time--> 21.30 21.40 21.50



#21

Benzo(b)fluoranthene

Concen: 0.078 ng/ul

RT: 22.83 min Scan# 6493

Delta R.T. 0.01 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

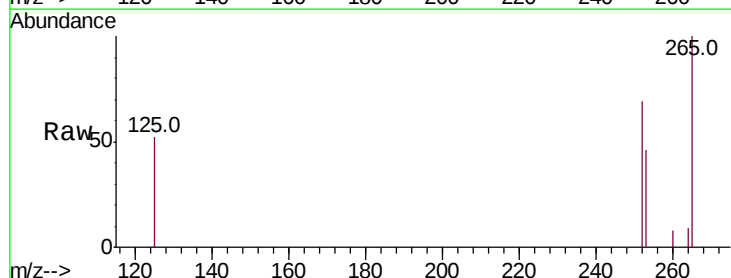
Tgt Ion:252 Resp: 629

Ion Ratio Lower Upper

252 100

253 66.3 0.0 62.8#

125 74.9 0.0 62.2#



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

22.83

500

400

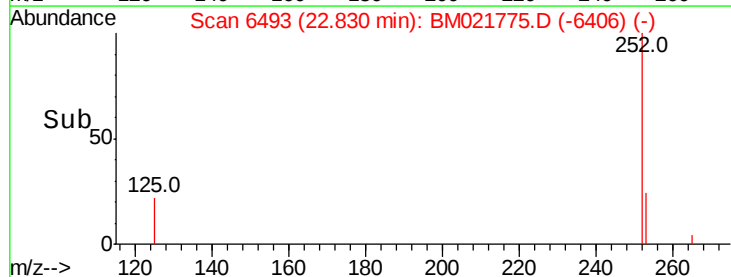
300

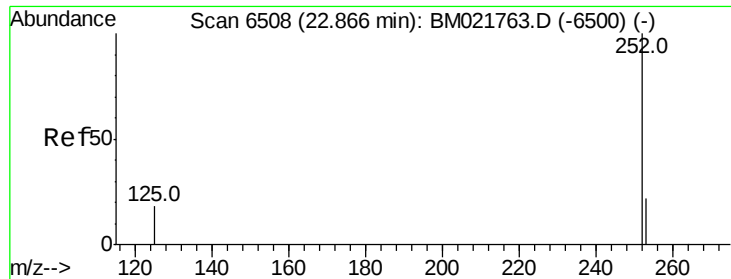
200

100

0

Time--> 22.80 22.85





#22

Benzo(k)fluoranthene

Concen: 0.069 ng/u1

RT: 22.88 min Scan# 6512

Delta R.T. 0.01 min

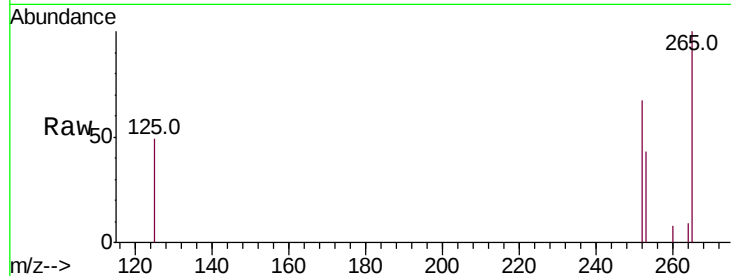
Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

Instrument :

BNA_M

ClientSampleId :



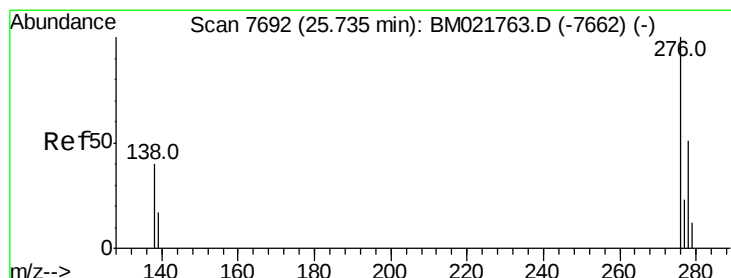
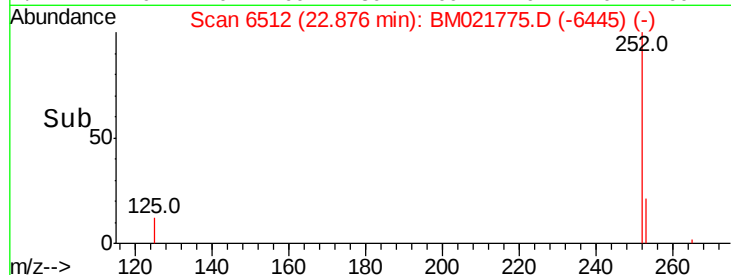
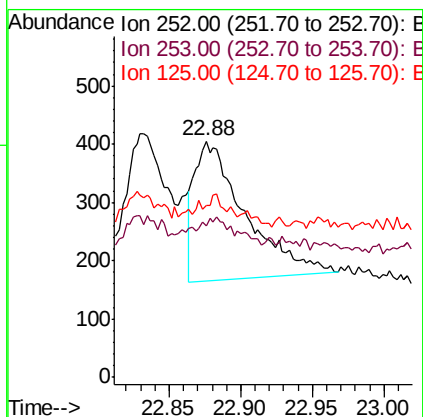
Tot Ion:252 Resp: 587

Ion Ratio Lower Upper

252 100

253 64.2 25.8 38.8#

125 72.8 27.0 40.4#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.063 ng/u1

RT: 25.77 min Scan# 7706

Delta R.T. 0.04 min

Lab File: BM021775.D

Acq: 03 Aug 2019 04:44

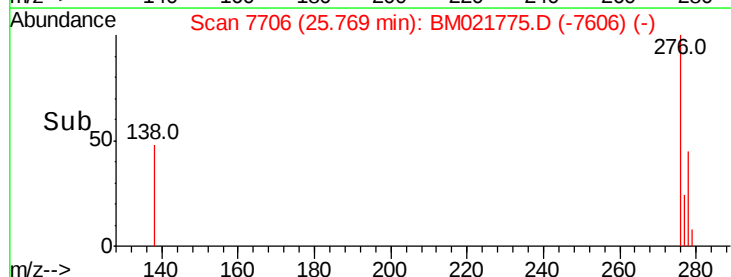
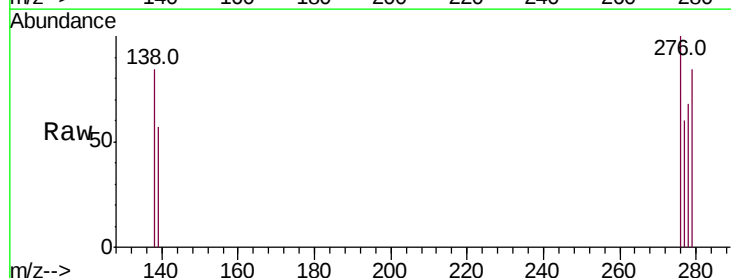
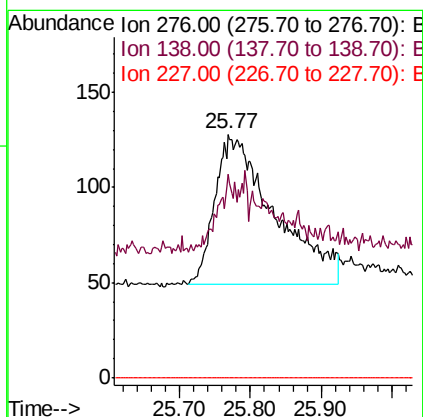
Tgt Ion:276 Resp: 462

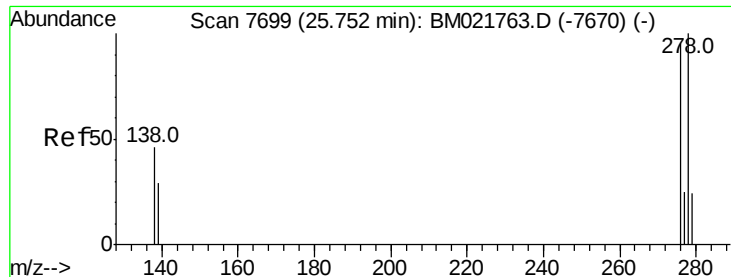
Ion Ratio Lower Upper

276 100

138 0.0 33.8 50.8#

227 0.0 0.0 0.0

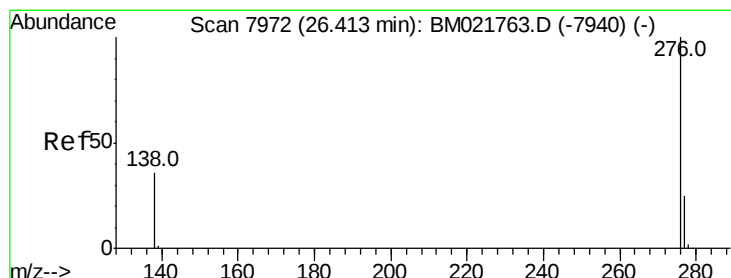
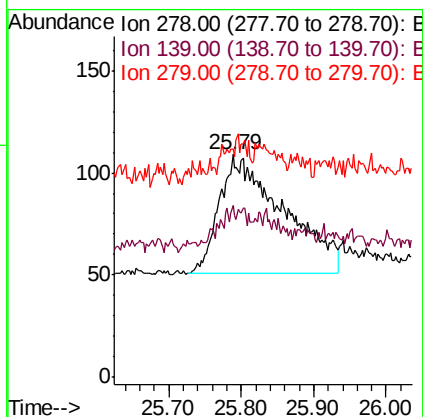
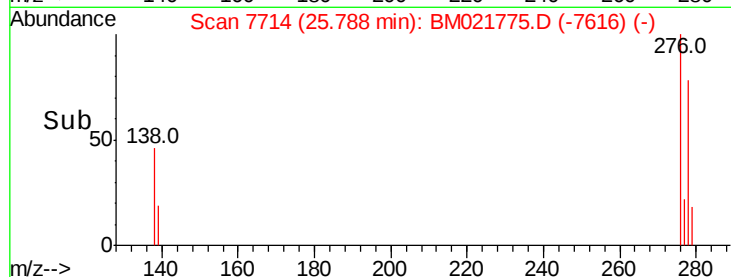
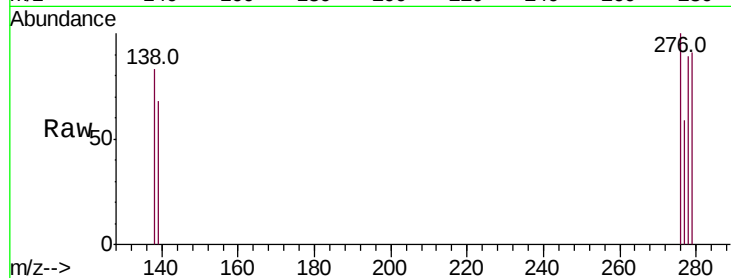




#25
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.79 min Scan# 7714
Delta R.T. 0.04 min
Lab File: BM021775.D
Acq: 03 Aug 2019 04:44

Instrument :
BNA_M
ClientSampled :

Tot Ion:278 Resp: 352
Ion Ratio Lower Upper
278 100
139 77.1 29.5 44.3#
279 102.8 31.1 46.7#



#26
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 26.45 min Scan# 7989
Delta R.T. 0.04 min
Lab File: BM021775.D
Acq: 03 Aug 2019 04:44

Tgt Ion:276 Resp: 466
Ion Ratio Lower Upper
276 100
138 70.9 36.2 54.2#
277 59.0 24.2 36.2#

