

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073119\
 Data File : BM021763.D
 Acq On : 01 Aug 2019 03:14
 Operator : HP/JU
 Sample : MDL-W-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 03:47:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM073119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:40:15 2019
 Response via : Initial Calibration

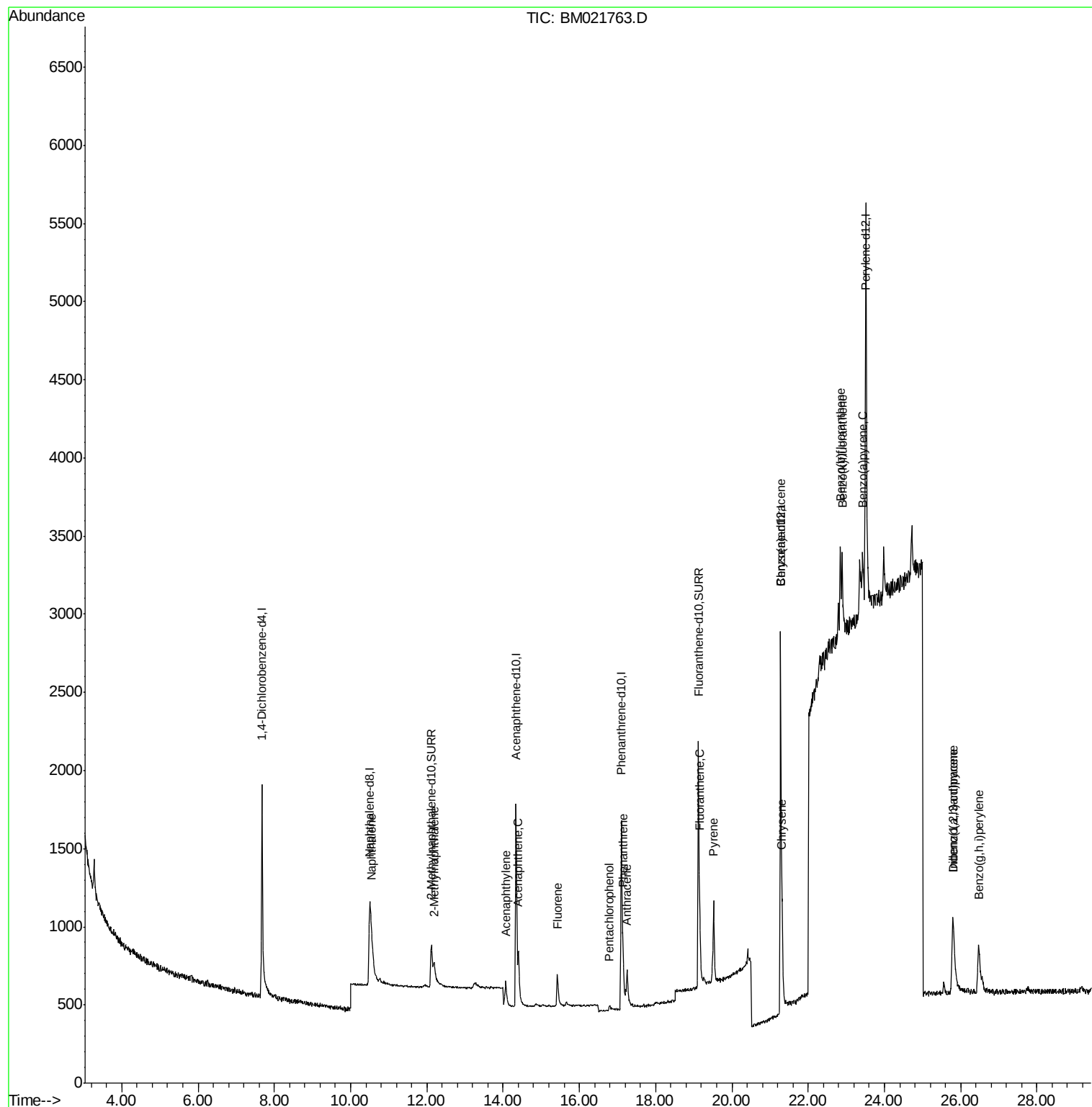
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1097	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	2238	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.34	164	1074	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	2468	0.40	ng/ul	0.02
16) Chrysene-d12	21.28	240	2710	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	4105	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	982	0.37	ng/ul	0.04
14) Fluoranthene-d10	19.12	212	2483	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.55	128	324	0.057	ng/ul#	12
5) 2-Methylnaphthalene	12.19	142	170	0.057	ng/ul	88
7) Acenaphthylene	14.07	152	315	0.054	ng/ul#	50
8) Acenaphthene	14.40	153	243	0.056	ng/ul	95
9) Fluorene	15.42	166	246	0.051	ng/ul#	90
11) Pentachlorophenol	16.78	266	49	0.058	ng/ul	89
12) Phenanthrene	17.14	178	479	0.070	ng/ul#	62
13) Anthracene	17.25	178	357	0.061	ng/ul#	54
15) Fluoranthene	19.15	202	568	0.067	ng/ul	61
17) Pyrene	19.52	202	627	0.082	ng/ul#	72
18) Benzo(a)anthracene	21.27	228	531	0.063	ng/ul#	80
19) Chrysene	21.32	228	634	0.060	ng/ul#	82
21) Benzo(b)fluoranthene	22.84	252	777	0.051	ng/ul#	23
22) Benzo(k)fluoranthene	22.89	252	831	0.054	ng/ul#	10
23) Benzo(a)pyrene	23.43	252	730	0.054	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.79	276	952	0.052	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.80	278	760	0.053	ng/ul#	1
26) Benzo(g,h,i)perylene	26.47	276	948	0.054	ng/ul#	53

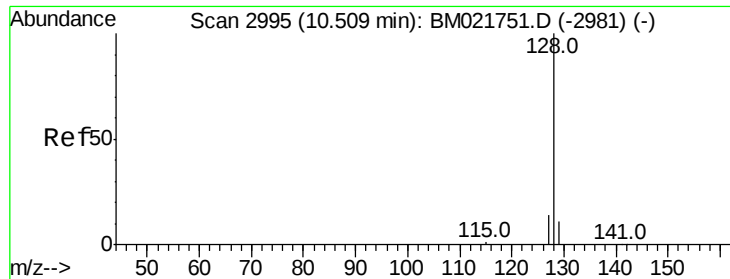
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.55 min Scan# 3004

Delta R.T. 0.04 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

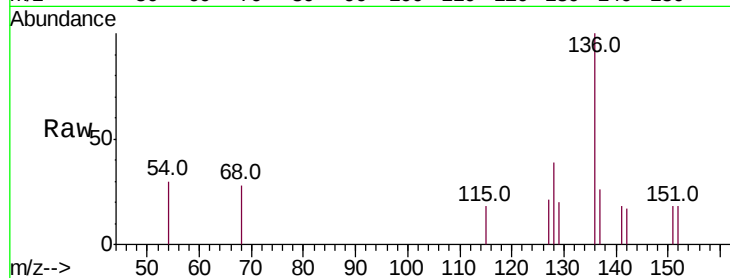
Tot Ion:128 Resp: 324

Ion Ratio Lower Upper

128 100

129 51.4 10.8 16.2#

127 53.3 13.7 20.5#



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

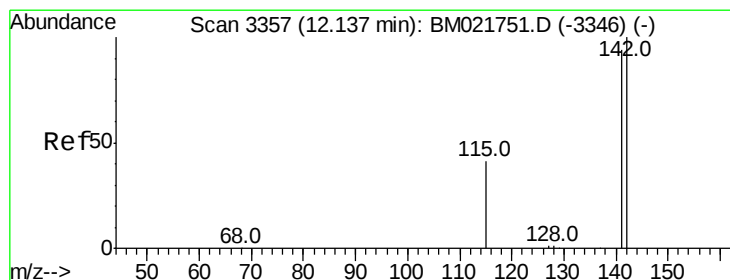
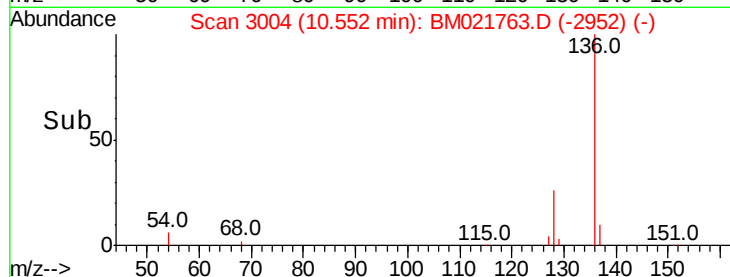
10.55

100

50

0

Time--> 10.40 10.60



#5

2-Methylnaphthalene

Concen: 0.057 ng/ul

RT: 12.19 min Scan# 3368

Delta R.T. 0.04 min

Lab File: BM021763.D

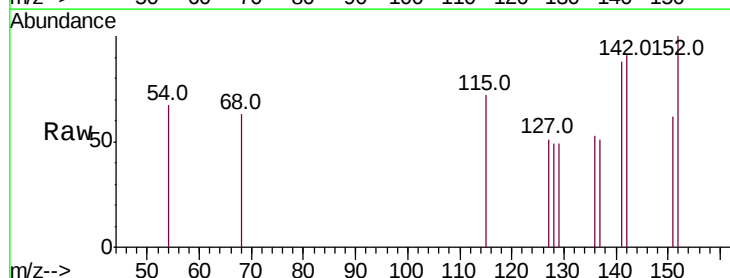
Acq: 01 Aug 2019 03:14

Tgt Ion:142 Resp: 170

Ion Ratio Lower Upper

142 100

141 110.6 78.6 118.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.19

100

80

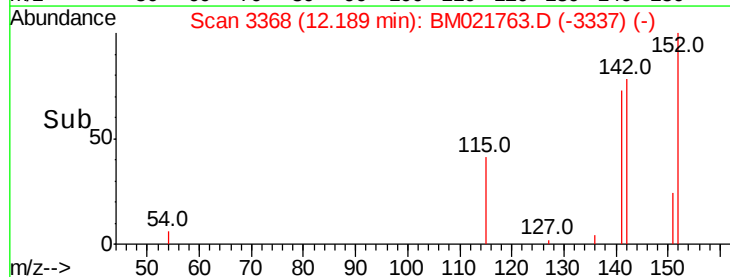
60

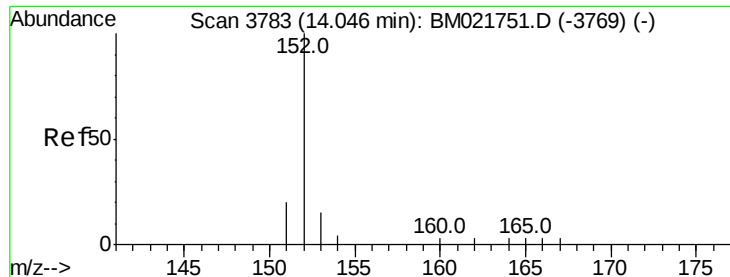
40

20

0

Time--> 12.10 12.20 12.30





#7

Acenaphthylene

Concen: 0.054 ng/ul

RT: 14.07 min Scan# 3790

Delta R.T. 0.03 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

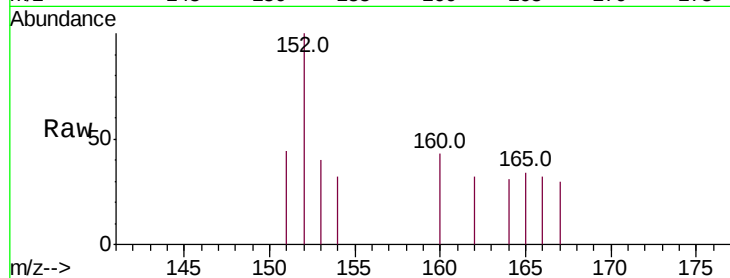
Tot Ion:152 Resp: 315

Ion Ratio Lower Upper

152 100

151 43.9 17.6 26.4#

153 40.0 13.0 19.6#



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

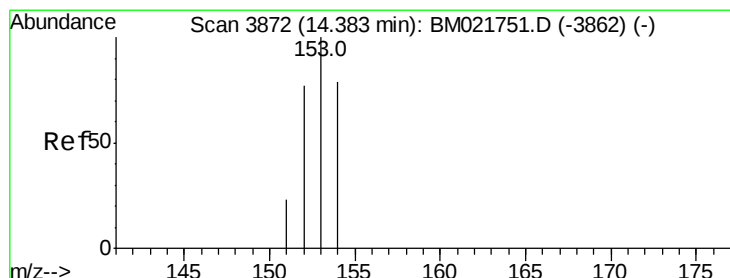
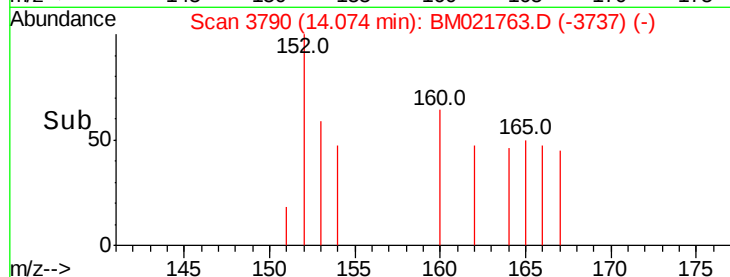
100

50

0

14.00 14.10 14.20

Time-->



#8

Acenaphthene

Concen: 0.056 ng/ul

RT: 14.40 min Scan# 3877

Delta R.T. 0.02 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

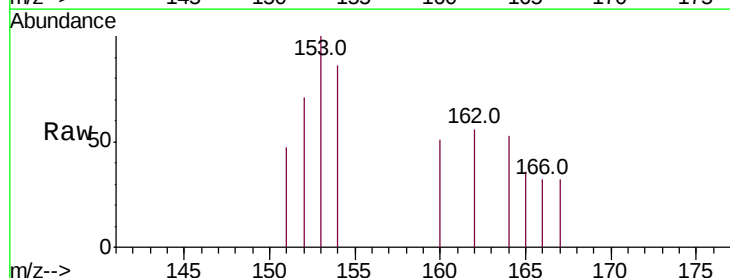
Tgt Ion:153 Resp: 243

Ion Ratio Lower Upper

153 100

152 70.9 58.6 88.0

154 86.5 64.5 96.7



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

150

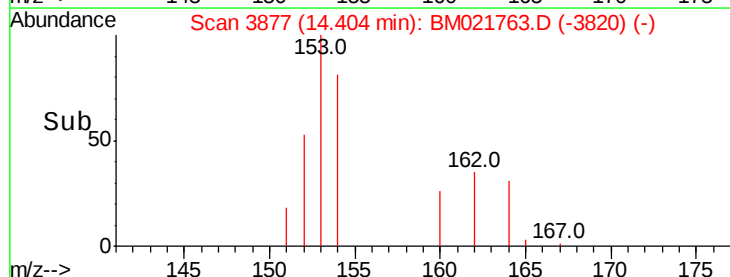
100

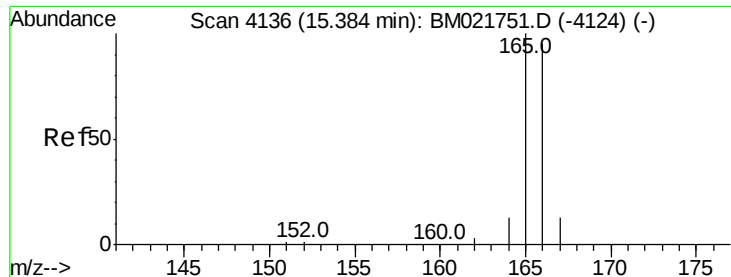
50

0

14.30 14.40 14.50

Time-->





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.42 min Scan# 4145

Delta R.T. 0.03 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

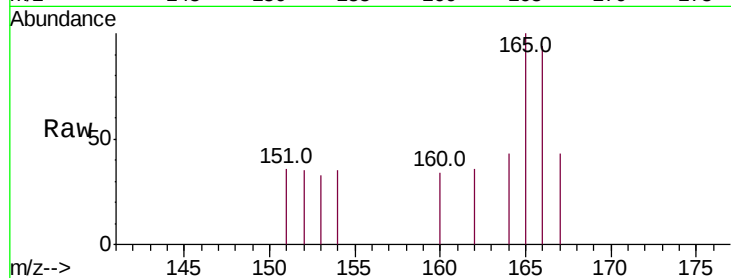
Tot Ion:166 Resp: 246

Ion Ratio Lower Upper

166 100

165 106.0 85.2 127.8

167 45.9 13.0 19.6#



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

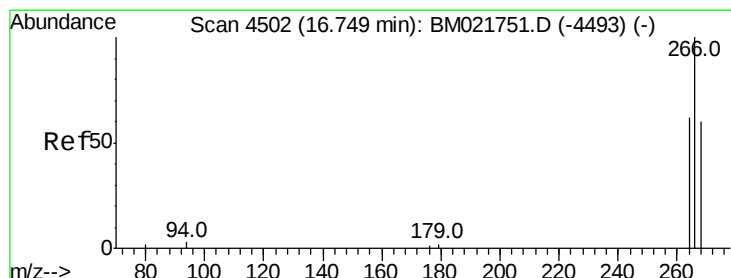
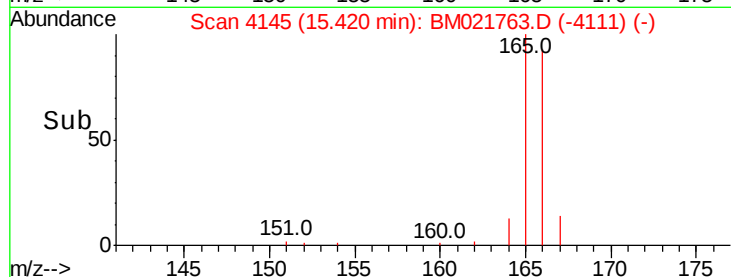
15.42

100

50

0

Time-->



#11

Pentachlorophenol

Concen: 0.058 ng/ul

RT: 16.78 min Scan# 4511

Delta R.T. 0.03 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

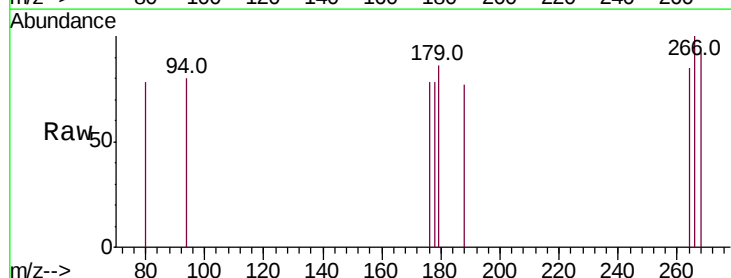
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 55.1 48.8 73.2

268 55.1 53.4 80.0



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.78

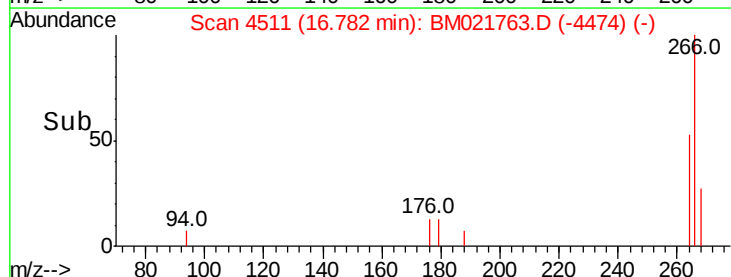
60

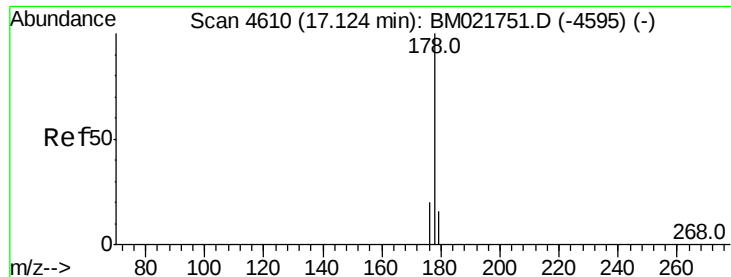
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.070 ng/ul

RT: 17.14 min Scan# 4614

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

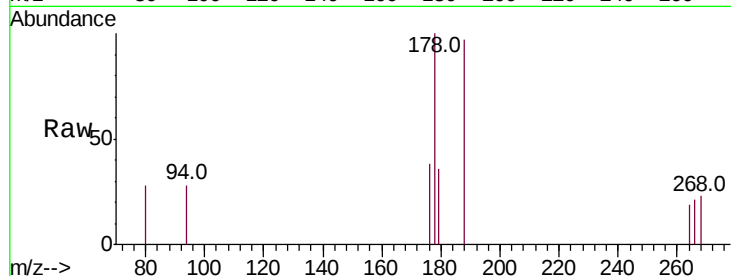
Tot Ion:178 Resp: 479

Ion Ratio Lower Upper

178 100

179 36.4 13.9 20.9#

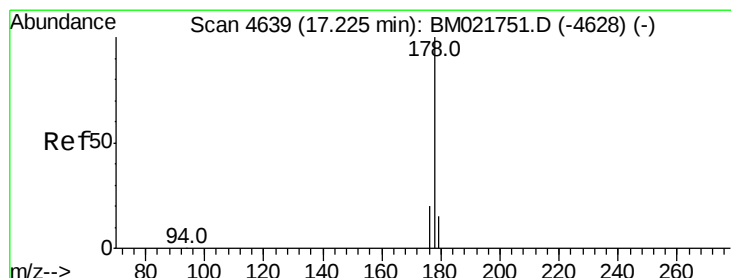
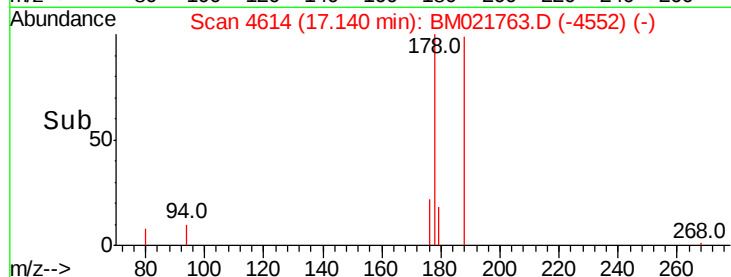
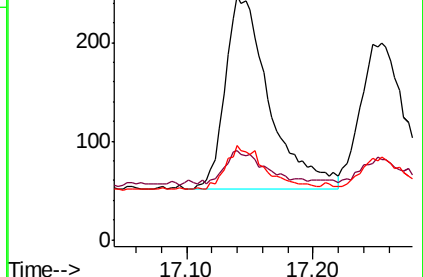
176 38.5 17.8 26.8#



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: 0.061 ng/ul

RT: 17.25 min Scan# 4647

Delta R.T. 0.03 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

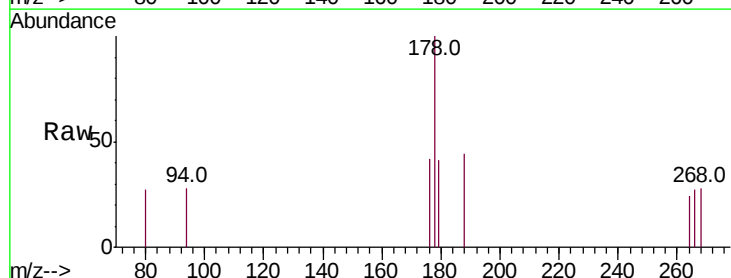
Tgt Ion:178 Resp: 357

Ion Ratio Lower Upper

178 100

179 40.7 14.3 21.5#

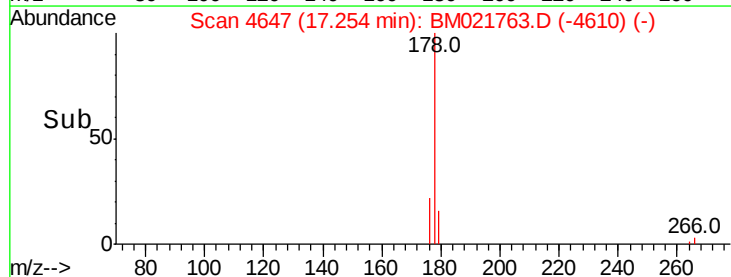
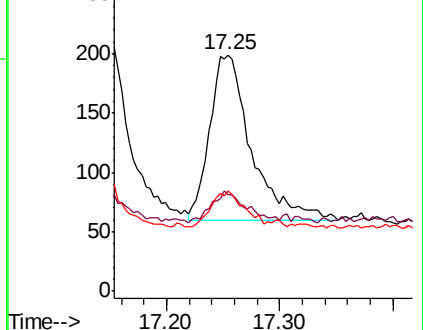
176 42.2 17.7 26.5#

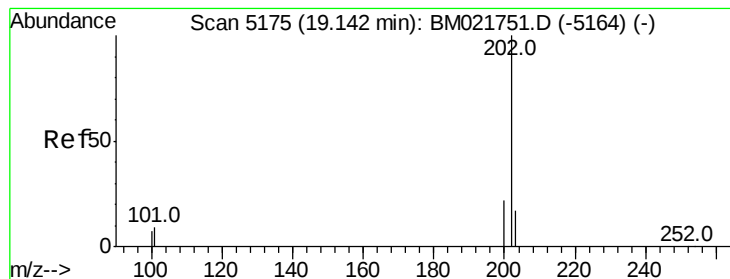


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.067 ng/ul

RT: 19.15 min Scan# 5177

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

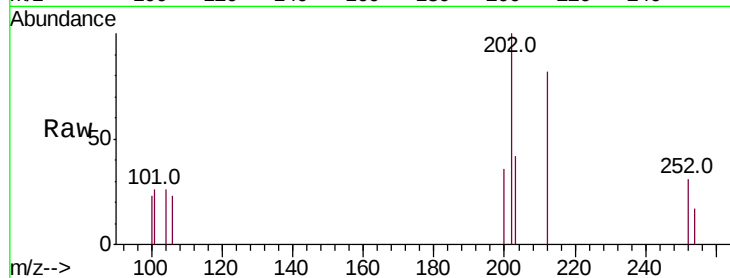
Tot Ion:202 Resp: 568

Ion Ratio Lower Upper

202 100

101 25.6 0.0 31.2

100 23.1 0.0 28.8



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

19.15

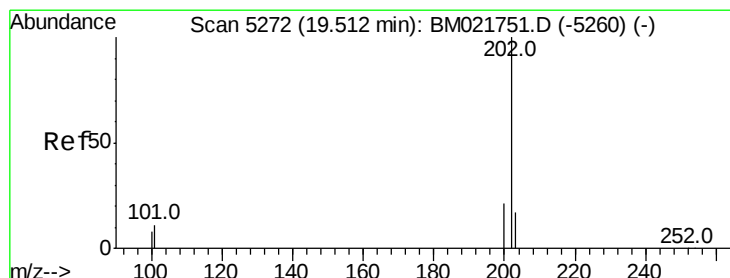
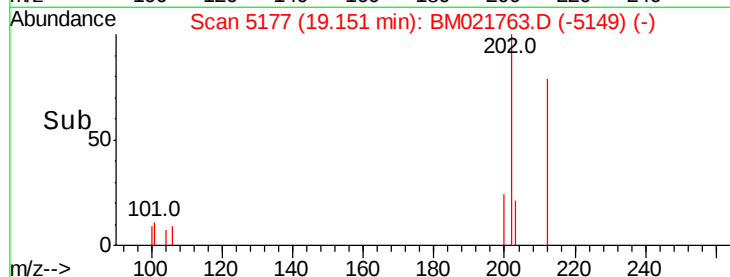
300

200

100

0

Time-->



#17

Pyrene

Concen: 0.082 ng/ul

RT: 19.52 min Scan# 5273

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

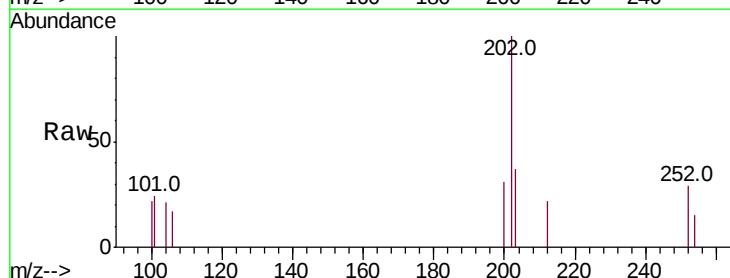
Tgt Ion:202 Resp: 627

Ion Ratio Lower Upper

202 100

101 23.8 10.6 15.8#

100 21.9 8.5 12.7#



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

500

400

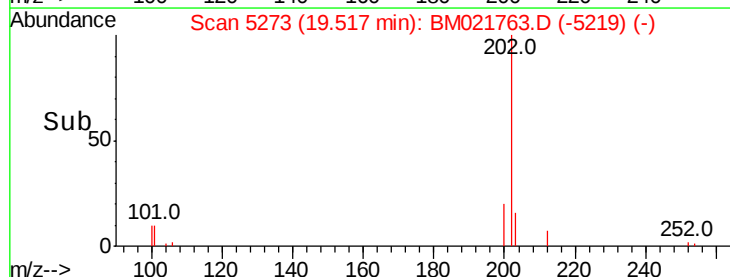
300

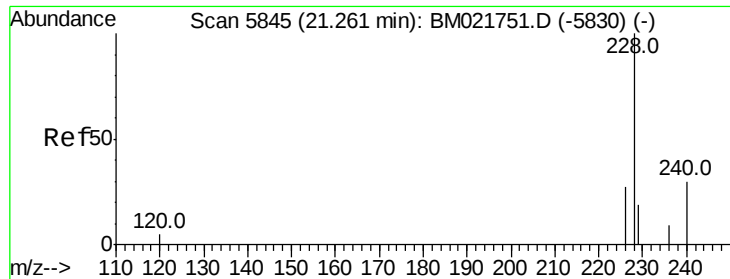
200

100

0

Time-->





#18

Benzo(a)anthracene

Concen: 0.063 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

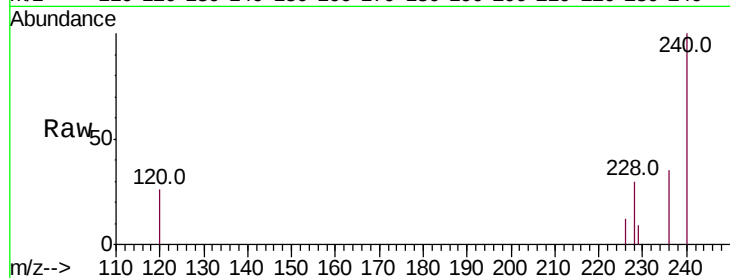
Tot Ion:228 Resp: 531

Ion Ratio Lower Upper

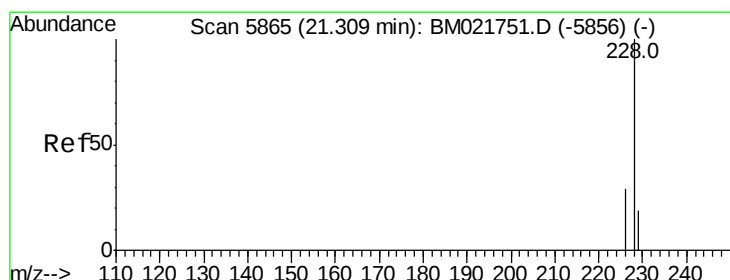
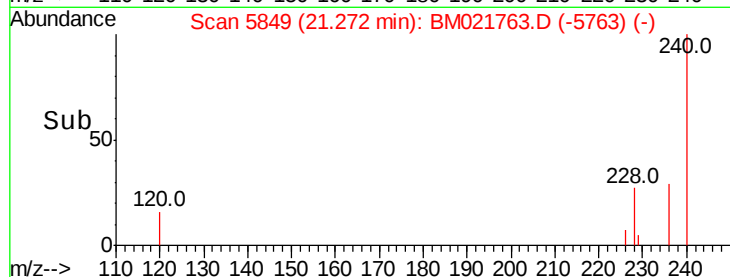
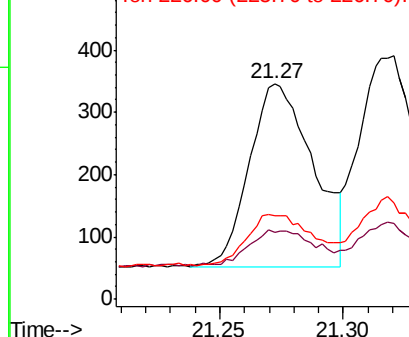
228 100

229 31.2 16.6 25.0#

226 38.7 23.0 34.4#



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: 0.060 ng/ul

RT: 21.32 min Scan# 5869

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

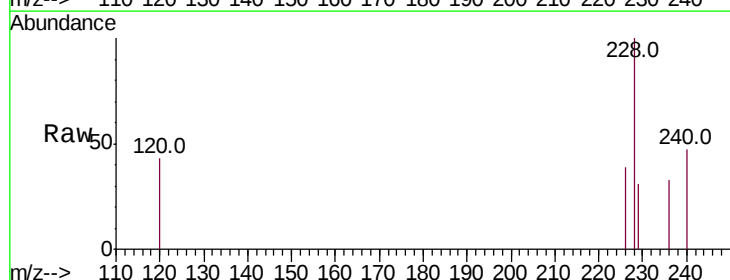
Tgt Ion:228 Resp: 634

Ion Ratio Lower Upper

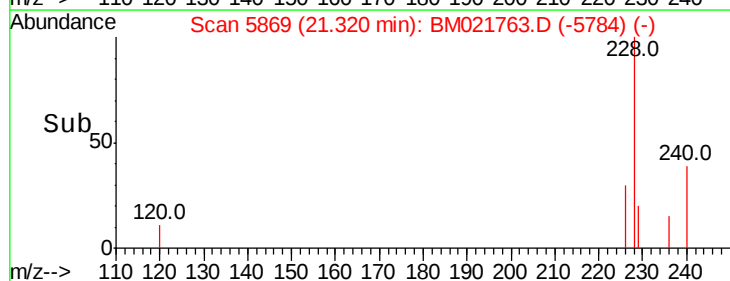
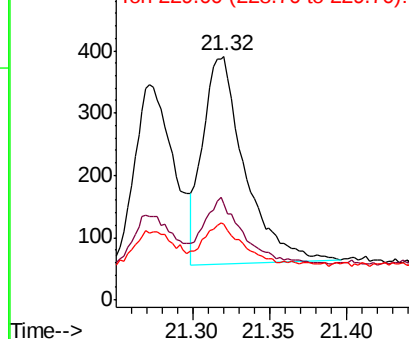
228 100

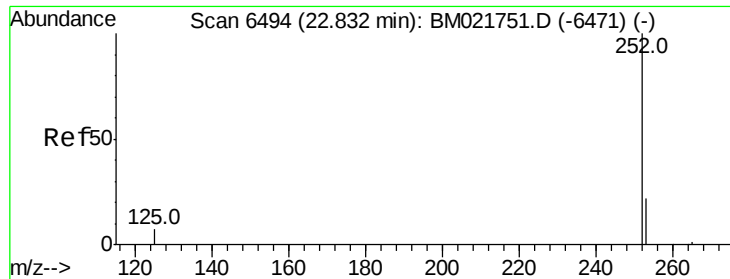
226 39.4 24.7 37.1#

229 31.2 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: 0.051 ng/ul

RT: 22.84 min Scan# 6497

Delta R.T. 0.00 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

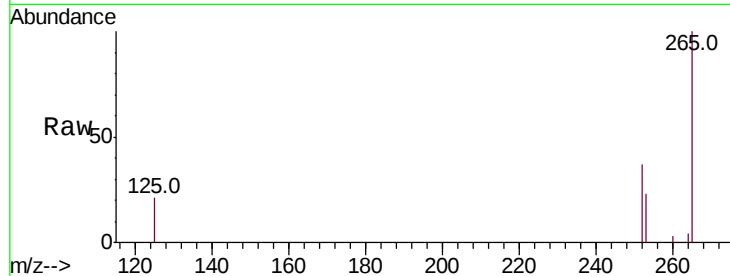
Tot Ion:252 Resp: 777

Ion Ratio Lower Upper

252 100

253 60.9 0.0 54.8#

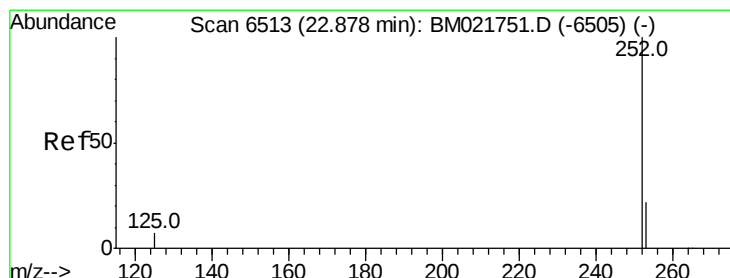
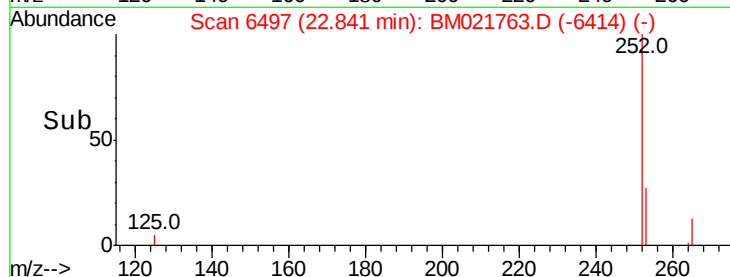
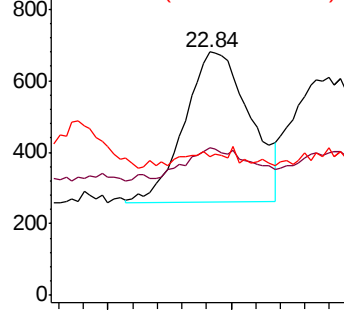
125 56.8 0.0 29.4#



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



#22

Benzo(k)fluoranthene

Concen: 0.054 ng/ul

RT: 22.89 min Scan# 6517

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

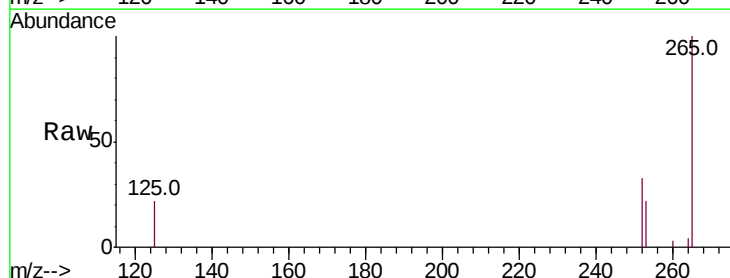
Tgt Ion:252 Resp: 831

Ion Ratio Lower Upper

252 100

253 65.4 22.6 33.8#

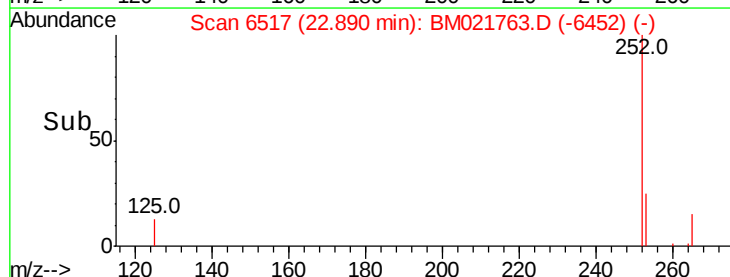
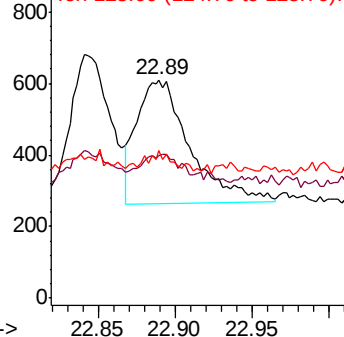
125 67.5 12.1 18.1#

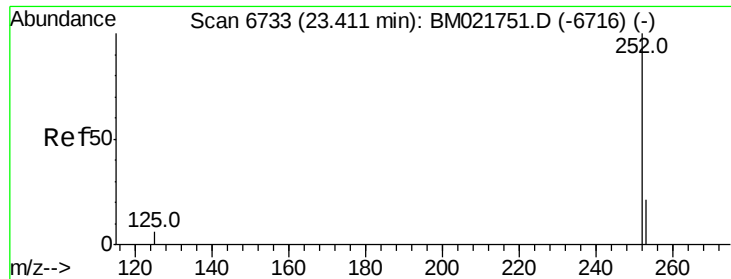


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.054 ng/u1

RT: 23.43 min Scan# 6740

Delta R.T. 0.01 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

Instrument :

BNA_M

ClientSampleId :

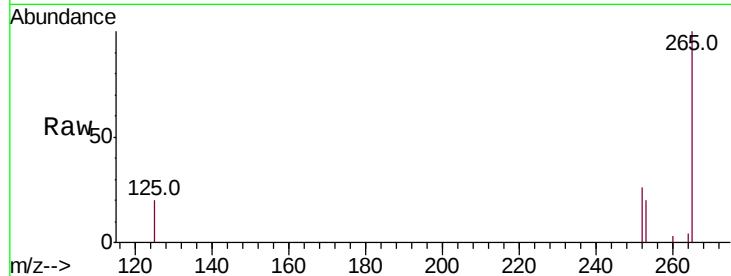
Tot Ion:252 Resp: 730

Ion Ratio Lower Upper

252 100

253 77.2 24.3 36.5#

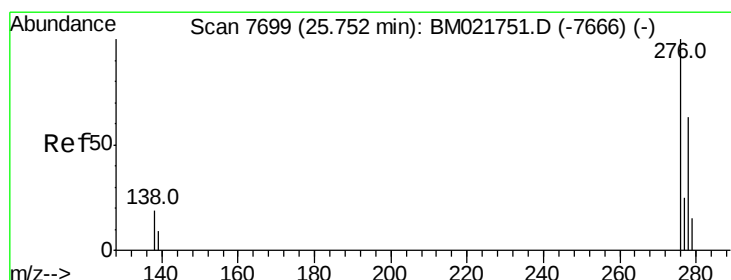
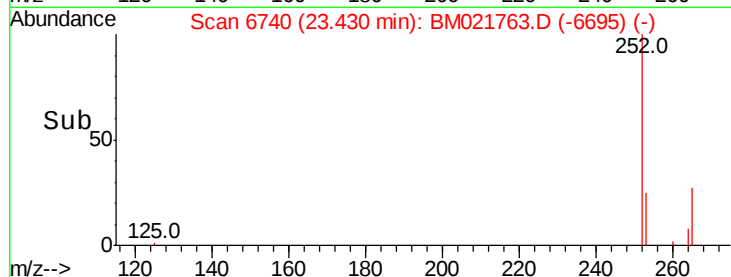
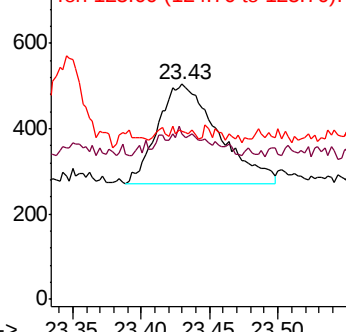
125 78.0 14.9 22.3#



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: 0.052 ng/u1

RT: 25.79 min Scan# 7716

Delta R.T. 0.04 min

Lab File: BM021763.D

Acq: 01 Aug 2019 03:14

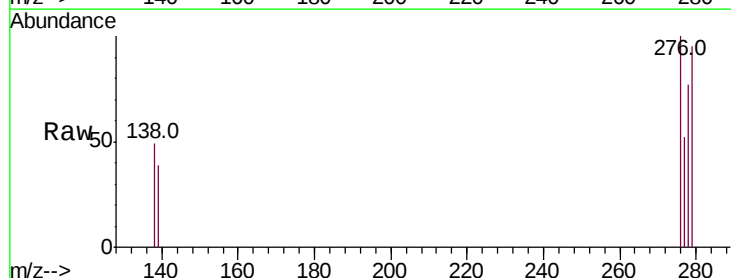
Tgt Ion:276 Resp: 952

Ion Ratio Lower Upper

276 100

138 18.6 15.3 22.9

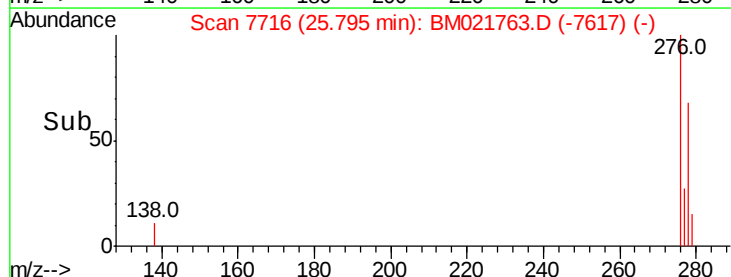
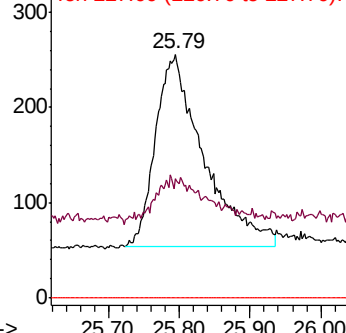
227 0.0 0.0 0.0

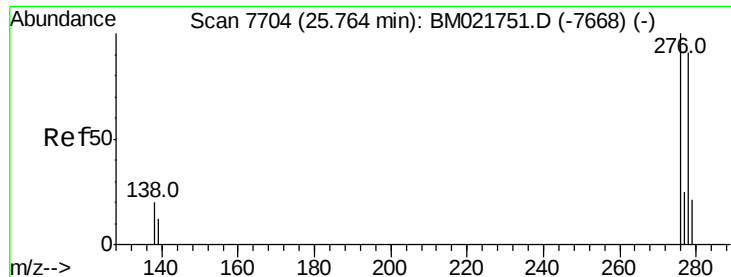


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

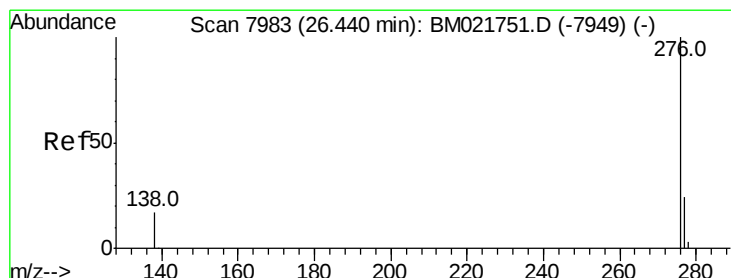
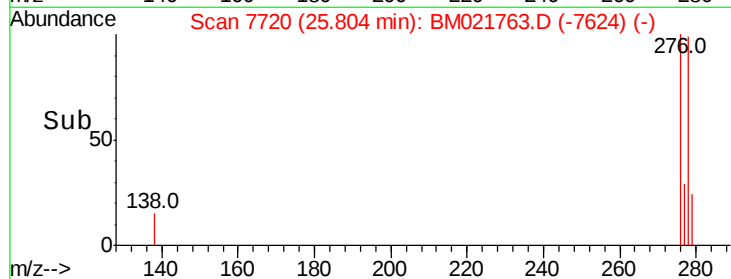
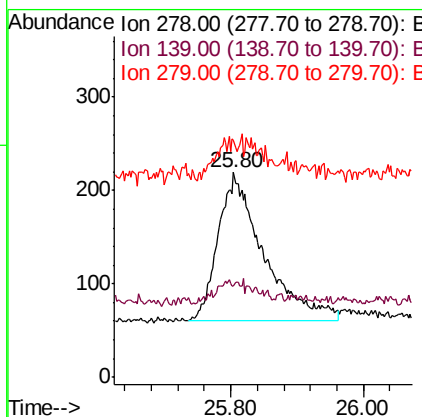
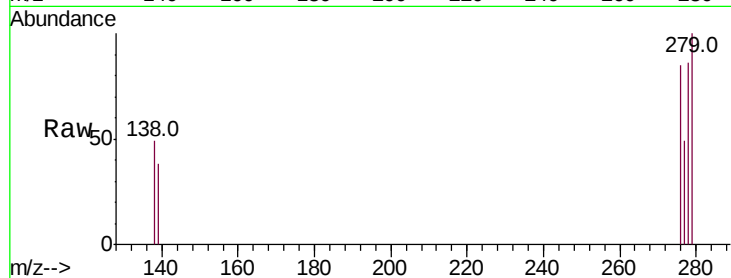




#25
Dibenzo(a,h)anthracene
Concen: 0.053 ng/ul
RT: 25.80 min Scan# 7720
Delta R.T. 0.03 min
Lab File: BM021763.D
Acq: 01 Aug 2019 03:14

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 760
Ion Ratio Lower Upper
278 100
139 44.3 13.1 19.7#
279 116.0 25.2 37.8#



#26
Benzo(g,h,i)perylene
Concen: 0.054 ng/ul
RT: 26.47 min Scan# 7993
Delta R.T. 0.02 min
Lab File: BM021763.D
Acq: 01 Aug 2019 03:14

Tgt Ion:276 Resp: 948
Ion Ratio Lower Upper
276 100
138 45.0 15.4 23.2#
277 46.8 20.9 31.3#

