

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021772.D
 Acq On : 03 Aug 2019 00:38
 Operator : HP/JU
 Sample : MDL-W-03
 Misc : 0.07PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 04:21:44 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 00:15:14 2019
 Response via : Initial Calibration

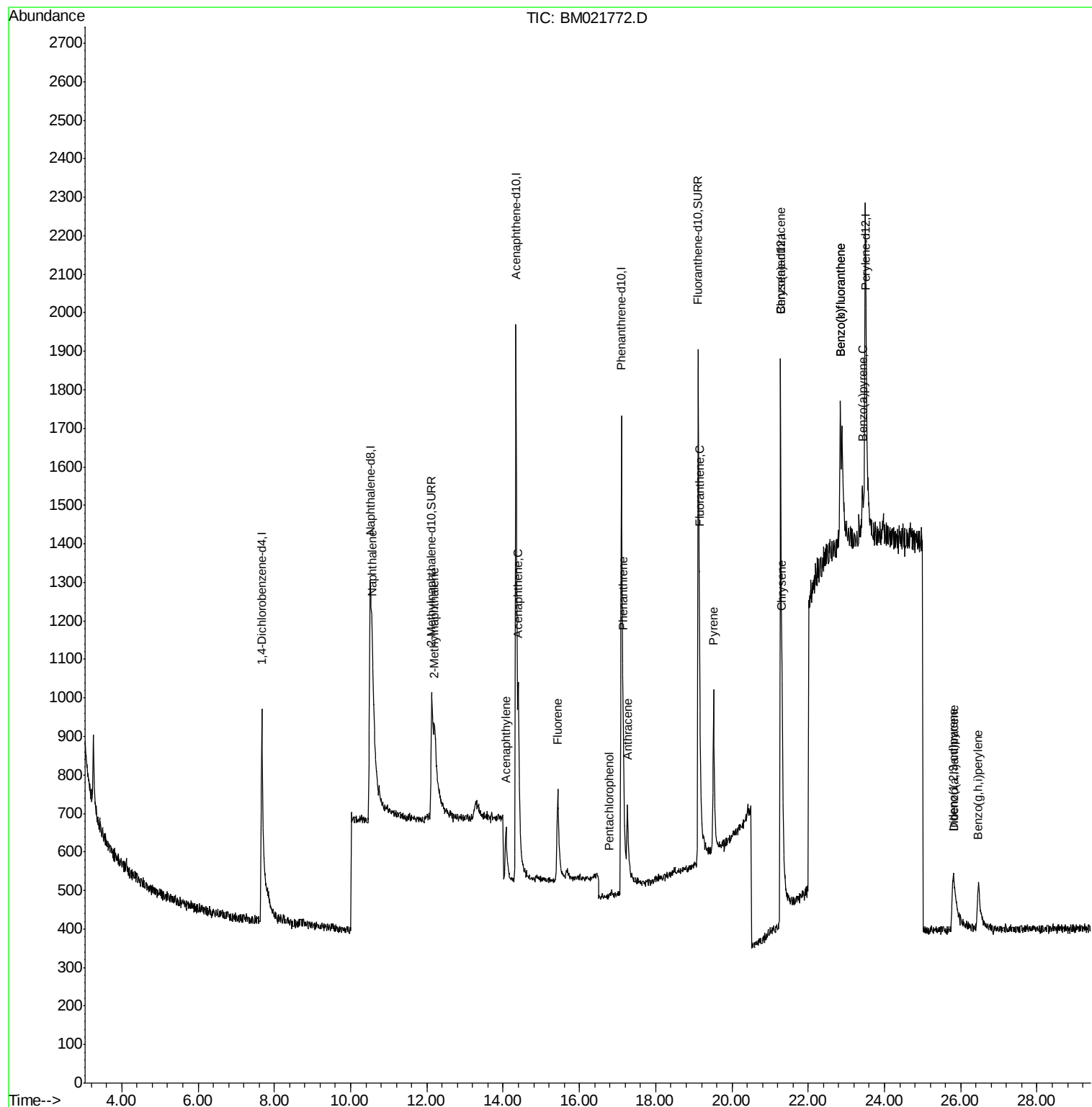
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	655	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	3307	0.40	ng/ul	0.06
6) Acenaphthene-d10	14.34	164	1591	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.10	188	2803	0.40	ng/ul	0.03
16) Chrysene-d12	21.28	240	1892	0.40	ng/ul	0.01
20) Perylene-d12	23.50	264	1864	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1489	0.34	ng/ul	0.06
14) Fluoranthene-d10	19.11	212	2271	0.35	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	510	0.055	ng/ul#	32
5) 2-Methylnaphthalene	12.21	142	315	0.059	ng/ul	100
7) Acenaphthylene	14.07	152	387	0.048	ng/ul#	49
8) Acenaphthene	14.40	153	362	0.053	ng/ul#	91
9) Fluorene	15.43	166	344	0.049	ng/ul#	92
11) Pentachlorophenol	16.78	266	1	0.003	ng/ul#	20
12) Phenanthrene	17.14	178	510	0.054	ng/ul#	58
13) Anthracene	17.25	178	336	0.047	ng/ul#	55
15) Fluoranthene	19.15	202	551	0.059	ng/ul	65
17) Pyrene	19.52	202	568	0.068	ng/ul#	68
18) Benzo(a)anthracene	21.28	228	342	0.060	ng/ul#	71
19) Chrysene	21.32	228	654	0.069	ng/ul#	86
21) Benzo(b)fluoranthene	22.84	252	616	0.074	ng/ul#	23
22) Benzo(k)fluoranthene	22.84	252	616	0.070	ng/ul#	28
23) Benzo(a)pyrene	23.43	252	406	0.062	ng/ul#	2
24) Indeno(1,2,3-cd)pyrene	25.79	276	341	0.045	ng/ul#	33
25) Dibenzo(a,h)anthracene	25.82	278	251	0.043	ng/ul#	1
26) Benzo(g,h,i)perylene	26.45	276	361	0.050	ng/ul#	44

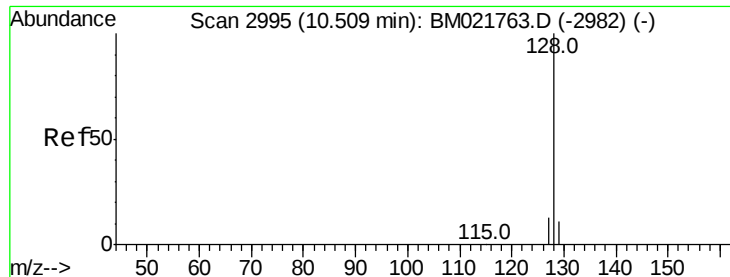
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.055 ng/ul

RT: 10.57 min Scan# 3009

Delta R.T. 0.07 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

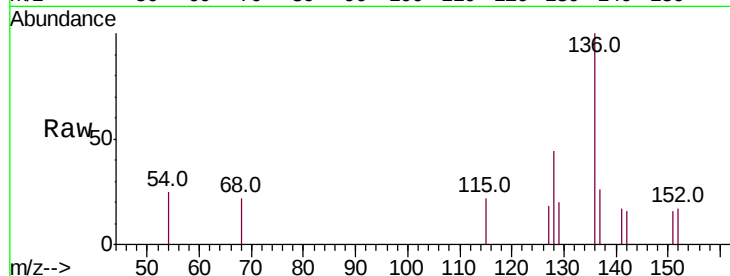
Tot Ion:128 Resp: 510

Ion Ratio Lower Upper

128 100

129 45.8 11.5 17.3#

127 42.3 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

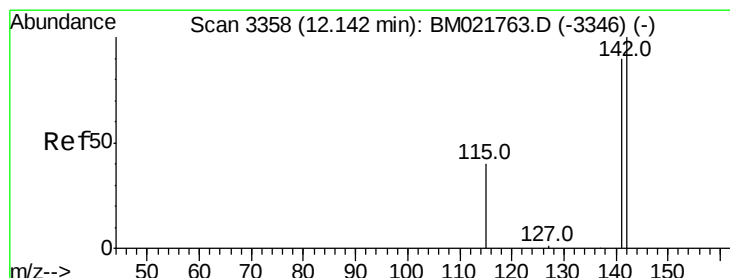
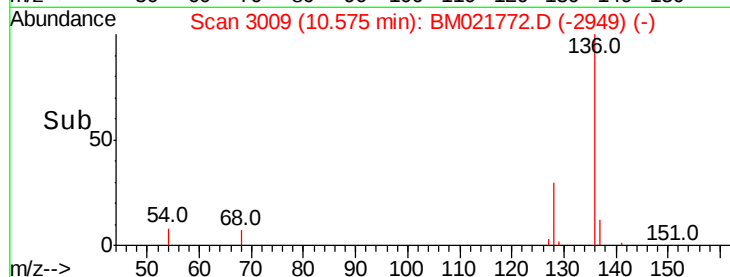
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.21 min Scan# 3372

Delta R.T. 0.07 min

Lab File: BM021772.D

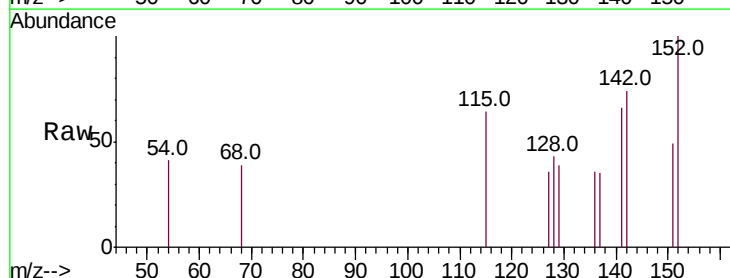
Acq: 03 Aug 2019 00:38

Tgt Ion:142 Resp: 315

Ion Ratio Lower Upper

142 100

141 89.8 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.21

120

100

80

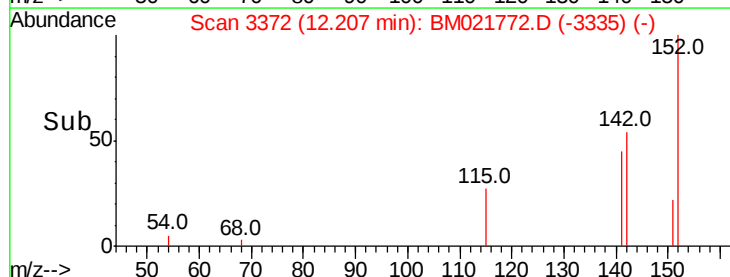
60

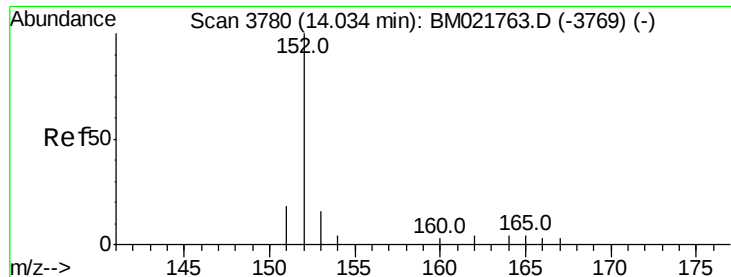
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.07 min Scan# 3789

Delta R.T. 0.04 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampled :

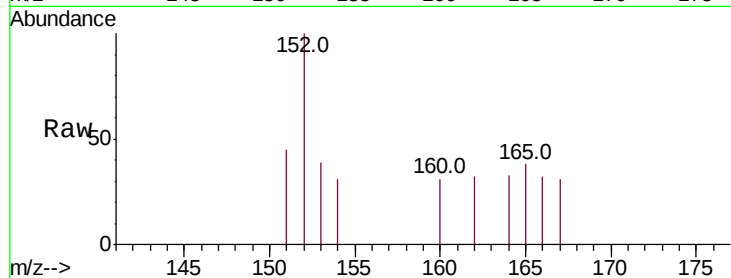
Tot Ion:152 Resp: 387

Ion Ratio Lower Upper

152 100

151 45.0 17.8 26.6#

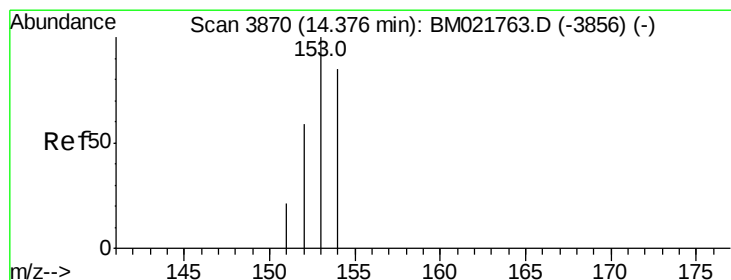
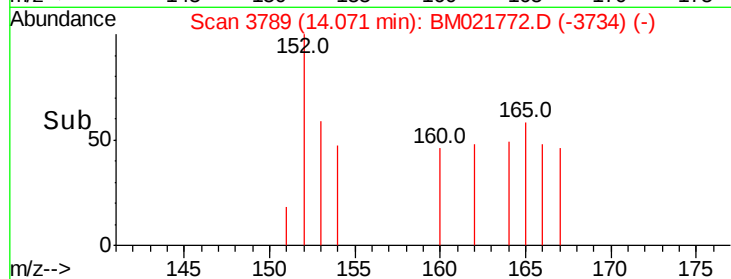
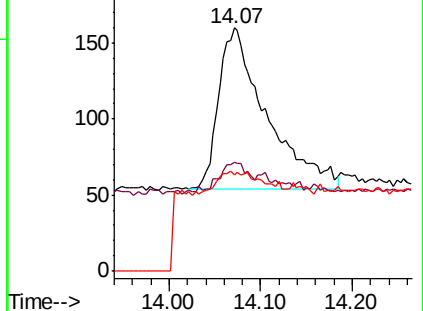
153 39.4 12.6 18.8#



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: 0.053 ng/ul

RT: 14.40 min Scan# 3876

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

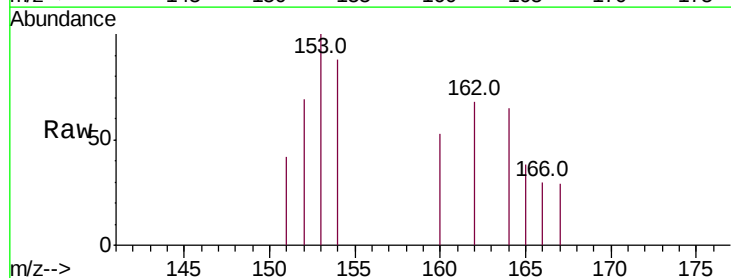
Tgt Ion:153 Resp: 362

Ion Ratio Lower Upper

153 100

152 69.0 44.0 66.0#

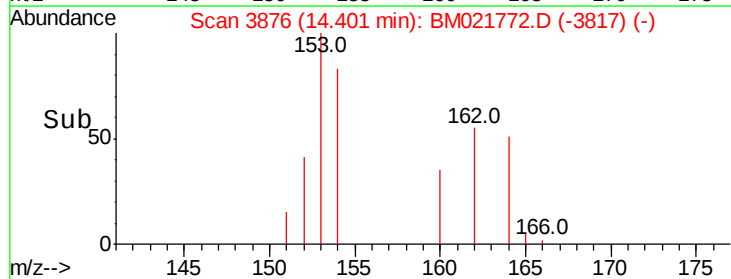
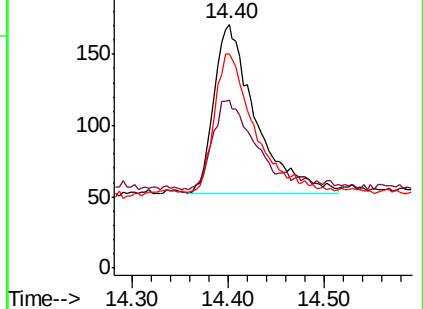
154 87.7 68.0 102.0

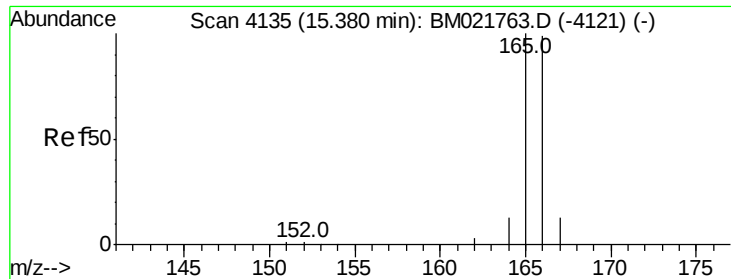


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.049 ng/ul

RT: 15.43 min Scan# 4147

Delta R.T. 0.05 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

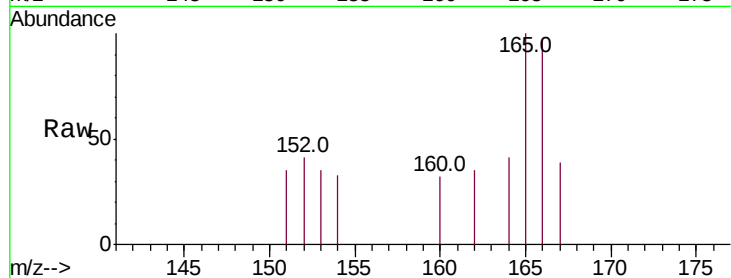
Tot Ion:166 Resp: 344

Ion Ratio Lower Upper

166 100

165 103.4 83.0 124.4

167 40.5 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

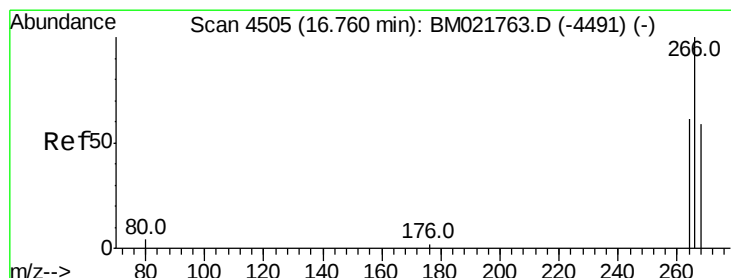
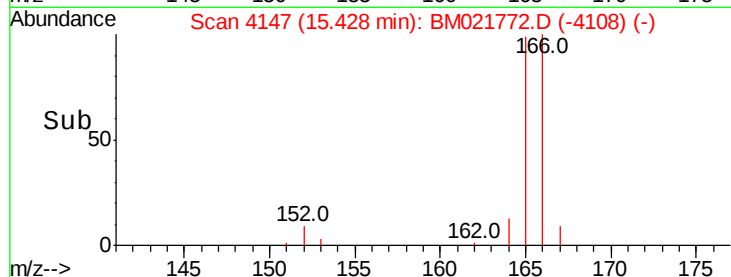
15.43

100

50

0

Time-->



#11

Pentachlorophenol

Concen: 0.003 ng/ul

RT: 16.78 min Scan# 4511

Delta R.T. 0.03 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

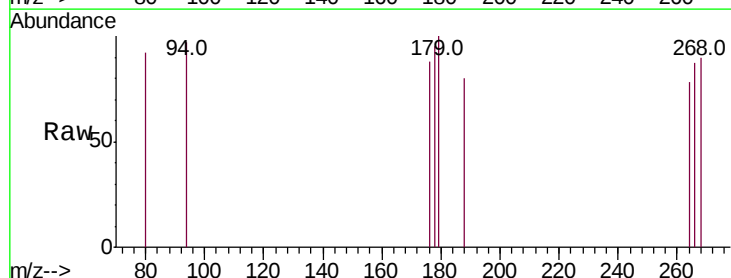
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 50.9 76.3#

268 0.0 45.4 68.2#



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

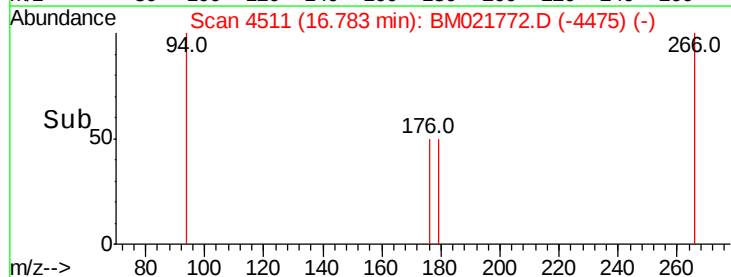
60

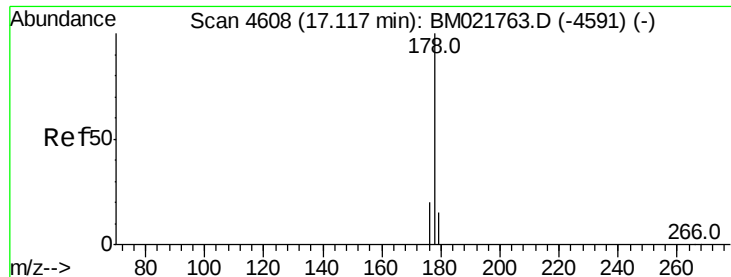
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.054 ng/ul

RT: 17.14 min Scan# 4614

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

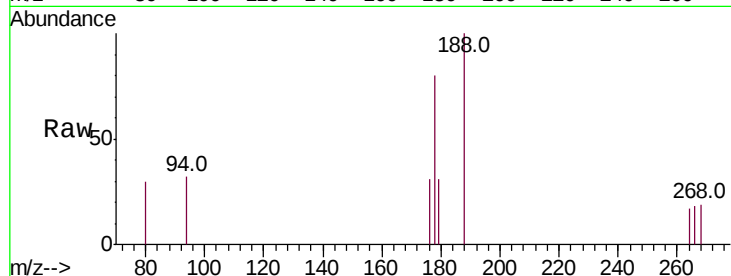
Tot Ion:178 Resp: 510

Ion Ratio Lower Upper

178 100

179 39.0 14.0 21.0#

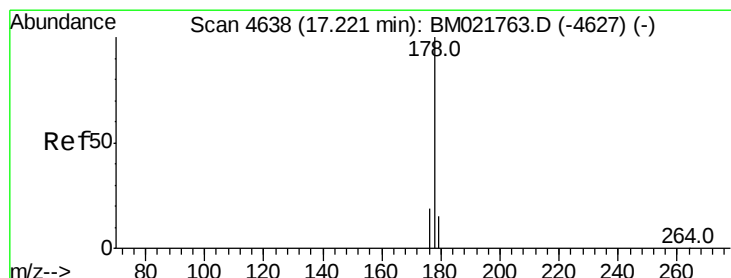
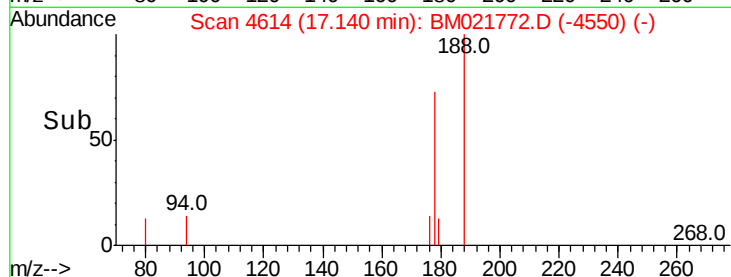
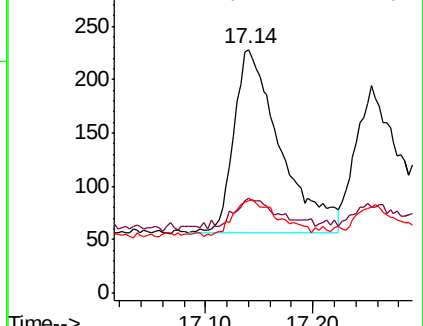
176 38.2 17.0 25.6#



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: 0.047 ng/ul

RT: 17.25 min Scan# 4647

Delta R.T. 0.04 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

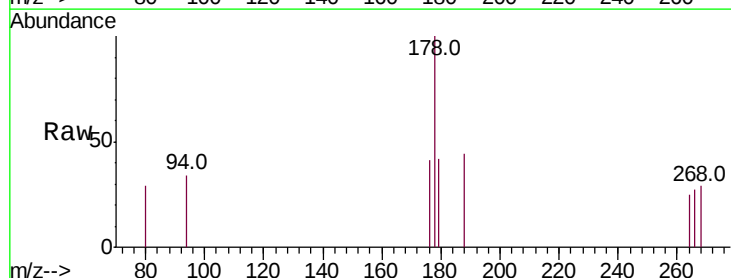
Tgt Ion:178 Resp: 336

Ion Ratio Lower Upper

178 100

179 41.8 14.5 21.7#

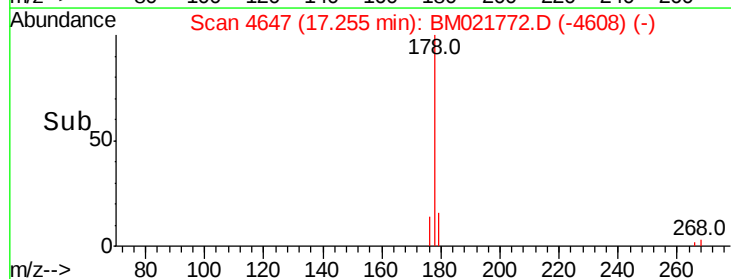
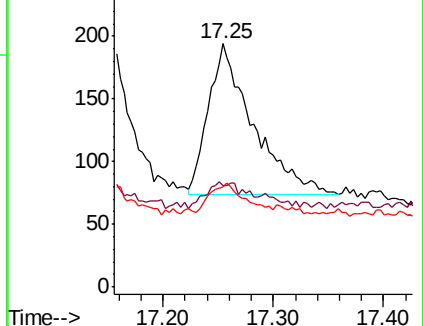
176 41.2 18.1 27.1#

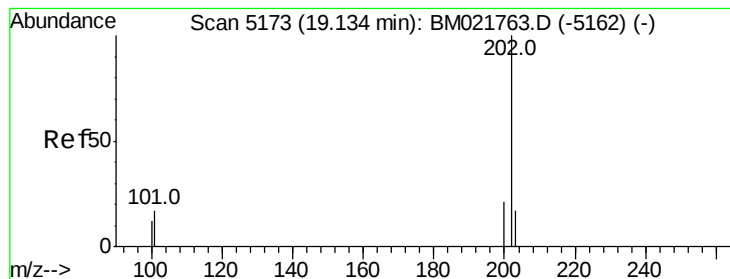


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.059 ng/ul

RT: 19.15 min Scan# 5176

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

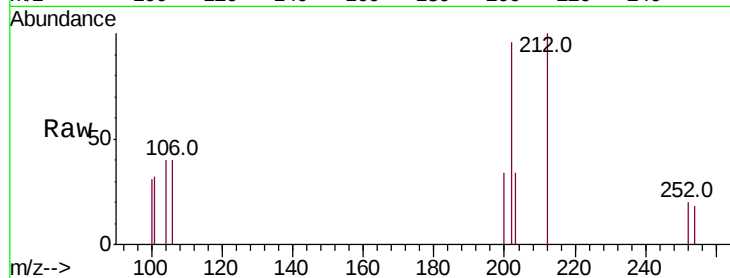
Tot Ion:202 Resp: 551

Ion Ratio Lower Upper

202 100

101 33.2 0.0 38.6

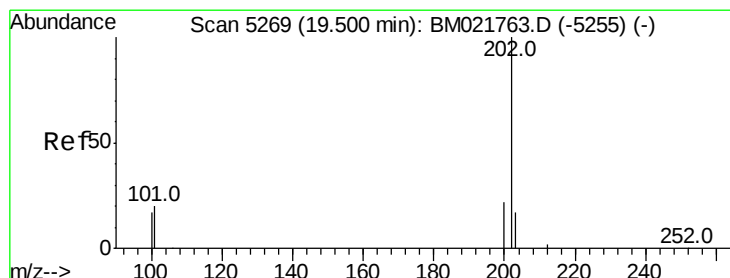
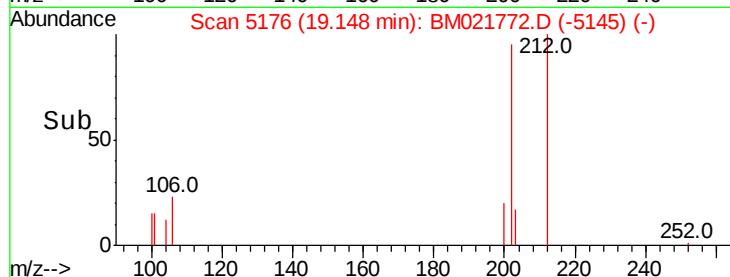
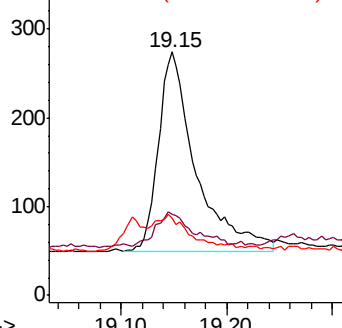
100 31.8 0.0 35.6



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): B



#17

Pyrene

Concen: 0.068 ng/ul

RT: 19.52 min Scan# 5273

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

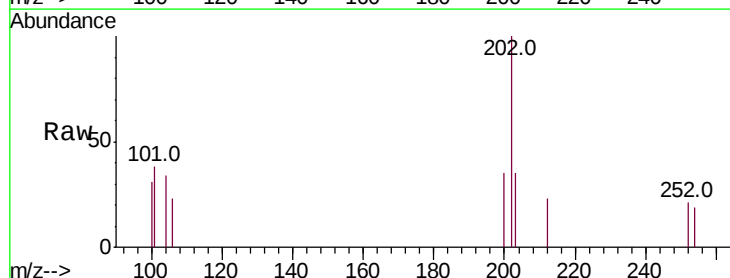
Tgt Ion:202 Resp: 568

Ion Ratio Lower Upper

202 100

101 38.0 17.0 25.6#

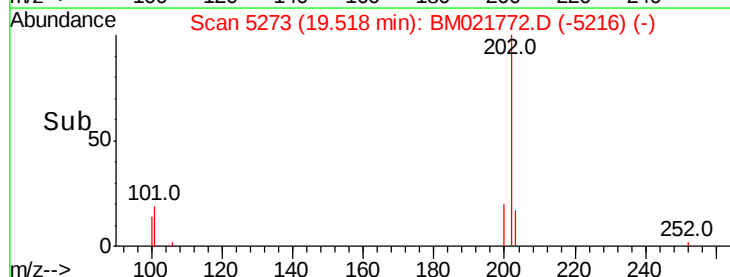
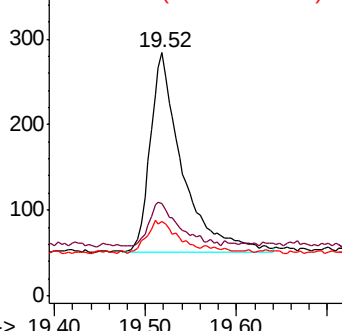
100 30.6 14.3 21.5#

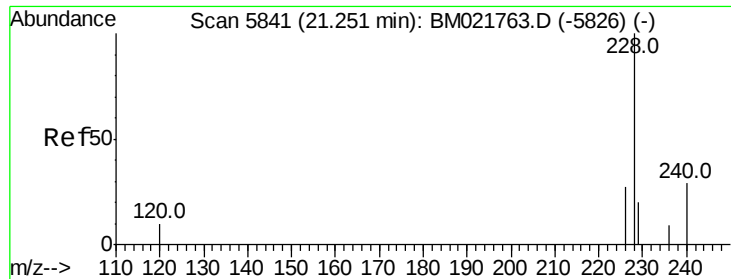


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.28 min Scan# 5850

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

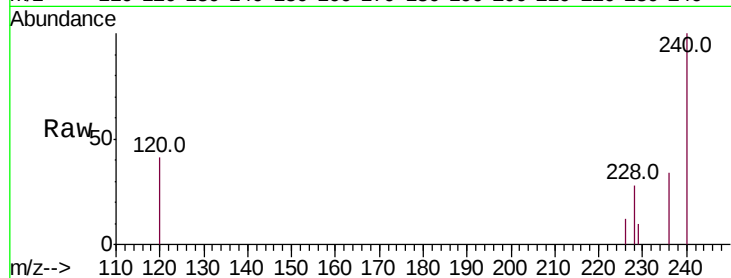
Tot Ion:228 Resp: 342

Ion Ratio Lower Upper

228 100

229 36.8 16.6 24.8#

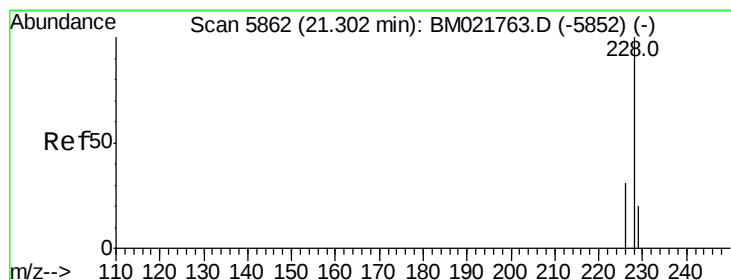
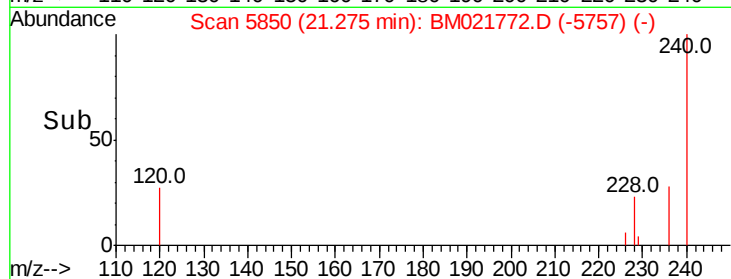
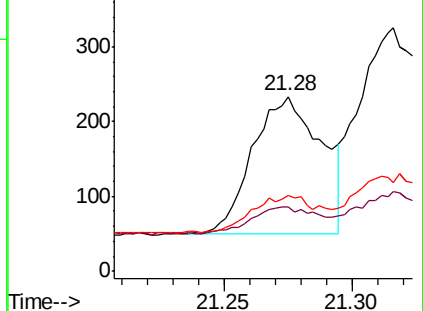
226 43.6 24.2 36.2#



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: 0.069 ng/ul

RT: 21.32 min Scan# 5867

Delta R.T. 0.01 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

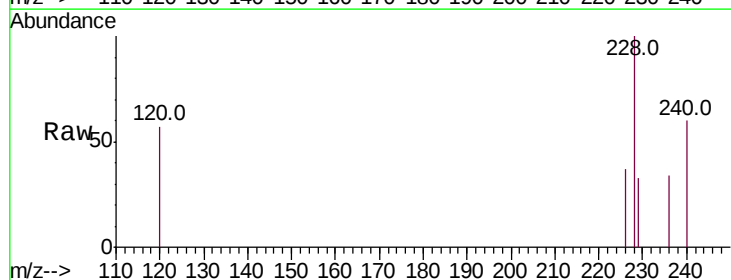
Tgt Ion:228 Resp: 654

Ion Ratio Lower Upper

228 100

226 36.5 25.6 38.4

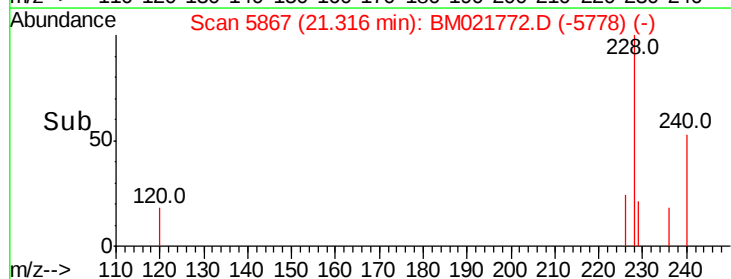
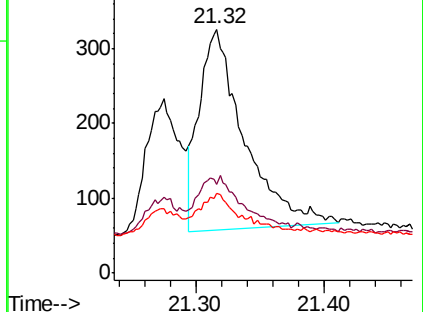
229 32.5 17.6 26.4#

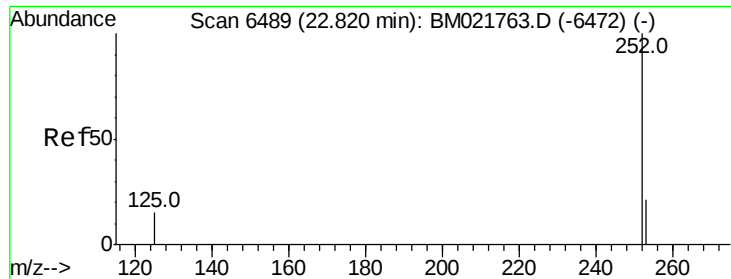


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.074 ng/uL

RT: 22.84 min Scan# 6496

Delta R.T. 0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

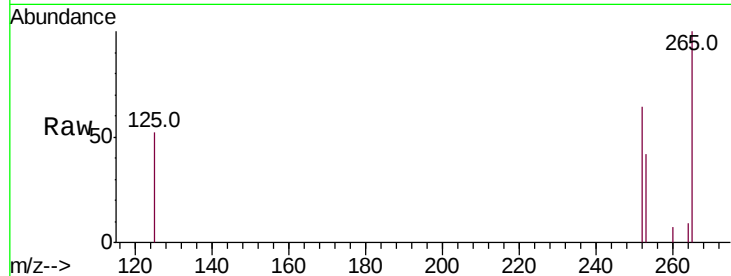
Tot Ion:252 Resp: 616

Ion Ratio Lower Upper

252 100

253 66.3 0.0 62.8#

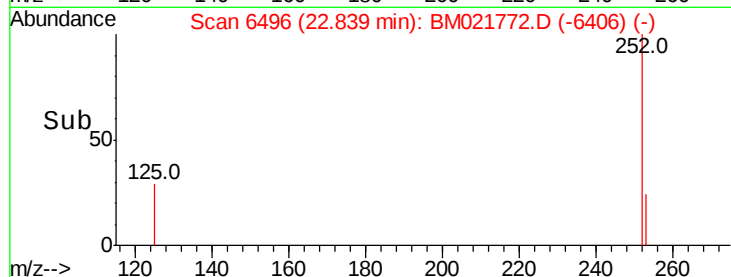
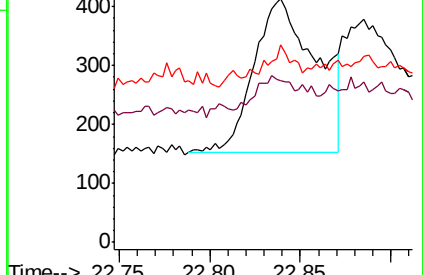
125 81.1 0.0 62.2#



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

Benzo(k)fluoranthene

Concen: 0.070 ng/uL

RT: 22.84 min Scan# 6496

Delta R.T. -0.02 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

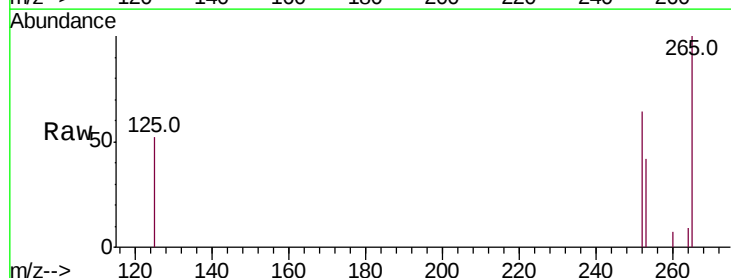
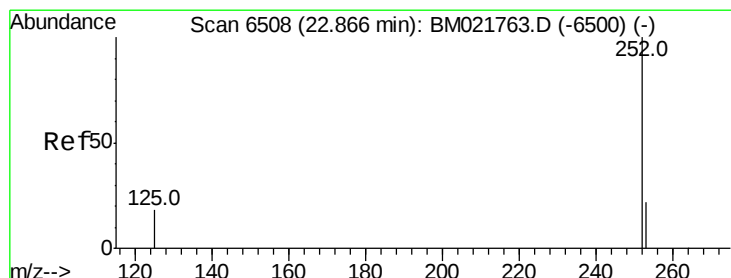
Tgt Ion:252 Resp: 616

Ion Ratio Lower Upper

252 100

253 66.3 25.8 38.8#

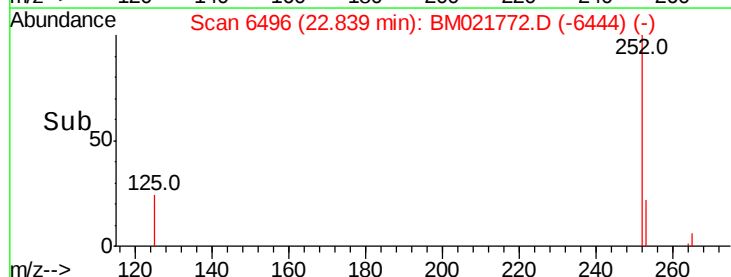
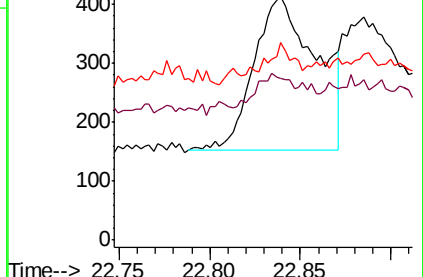
125 81.1 27.0 40.4#

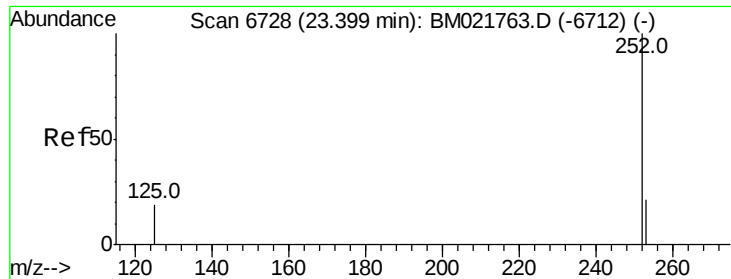


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.062 ng/ul

RT: 23.43 min Scan# 6740

Delta R.T. 0.03 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

Instrument :

BNA_M

ClientSampleId :

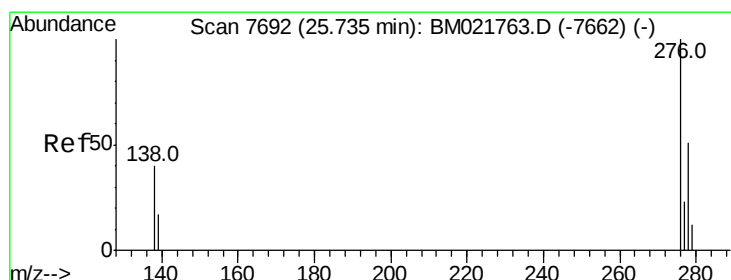
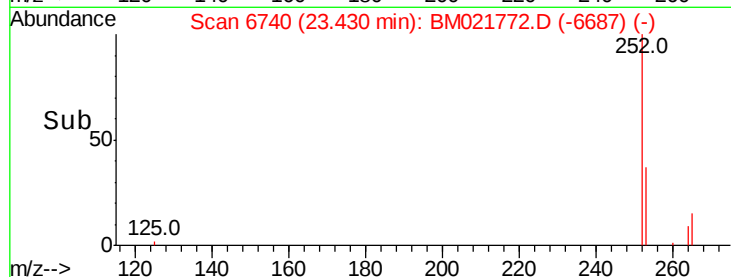
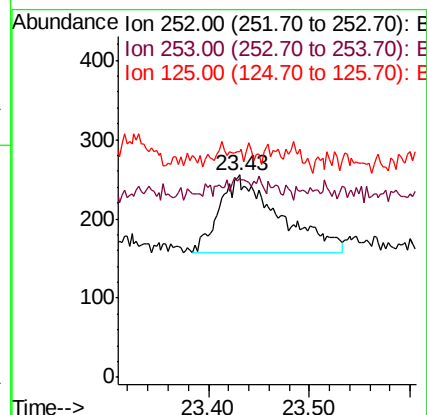
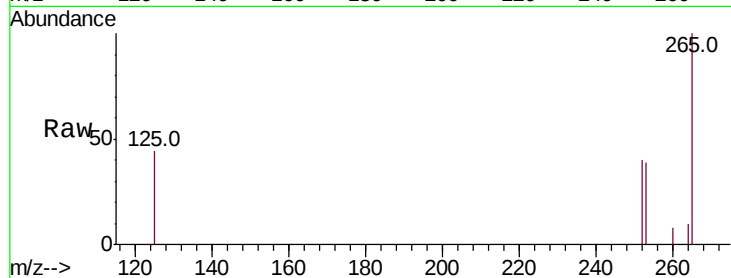
Tot Ion:252 Resp: 406

Ion Ratio Lower Upper

252 100

253 98.4 32.4 48.6#

125 111.8 35.9 53.9#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.045 ng/ul

RT: 25.79 min Scan# 7714

Delta R.T. 0.06 min

Lab File: BM021772.D

Acq: 03 Aug 2019 00:38

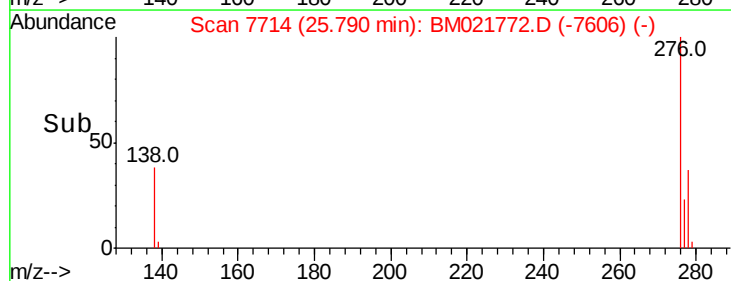
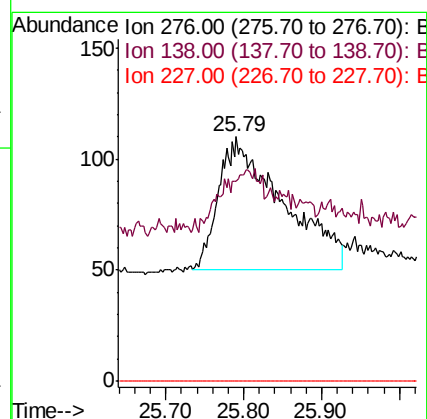
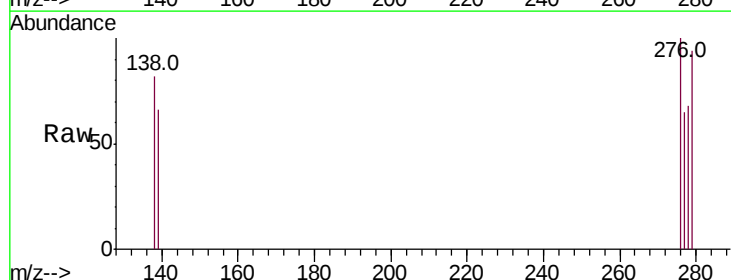
Tgt Ion:276 Resp: 341

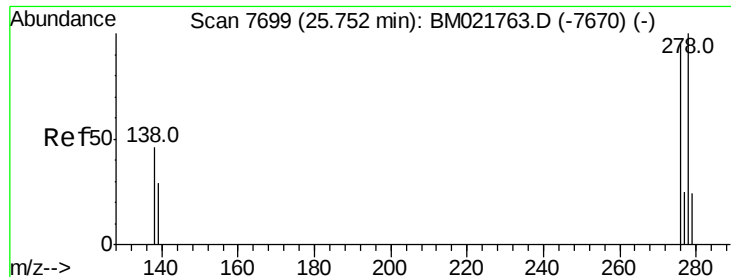
Ion Ratio Lower Upper

276 100

138 0.0 33.8 50.8#

227 0.0 0.0 0.0

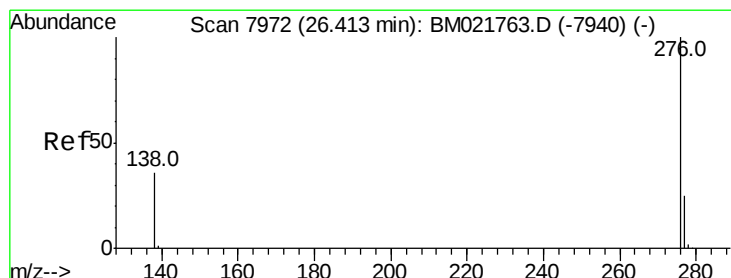
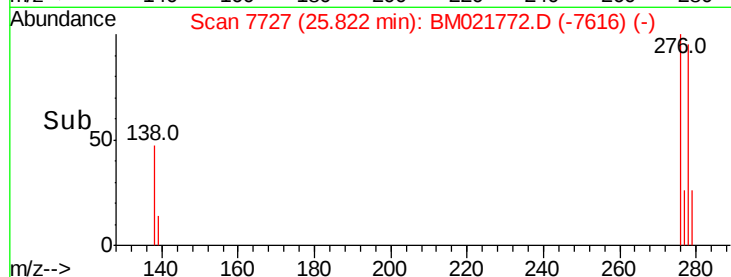
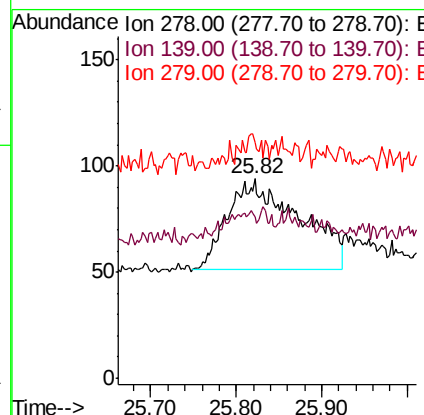
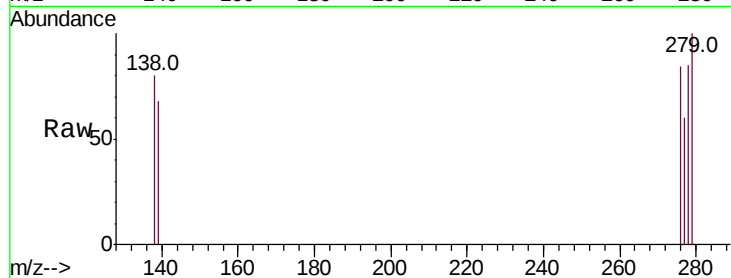




#25
Dibenzo(a,h)anthracene
Concen: 0.043 ng/ul
RT: 25.82 min Scan# 7727
Delta R.T. 0.07 min
Lab File: BM021772.D
Acq: 03 Aug 2019 00:38

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 251
Ion Ratio Lower Upper
278 100
139 80.9 29.5 44.3#
279 118.1 31.1 46.7#



#26
Benzo(g,h,i)perylene
Concen: 0.050 ng/ul
RT: 26.45 min Scan# 7987
Delta R.T. 0.04 min
Lab File: BM021772.D
Acq: 03 Aug 2019 00:38

Tgt Ion:276 Resp: 361
Ion Ratio Lower Upper
276 100
138 79.8 36.2 54.2#
277 63.0 24.2 36.2#

