

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021773.D
 Acq On : 03 Aug 2019 03:32
 Operator : HP/JU
 Sample : MDL-W-04
 Misc : 0.07PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 04:21:55 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

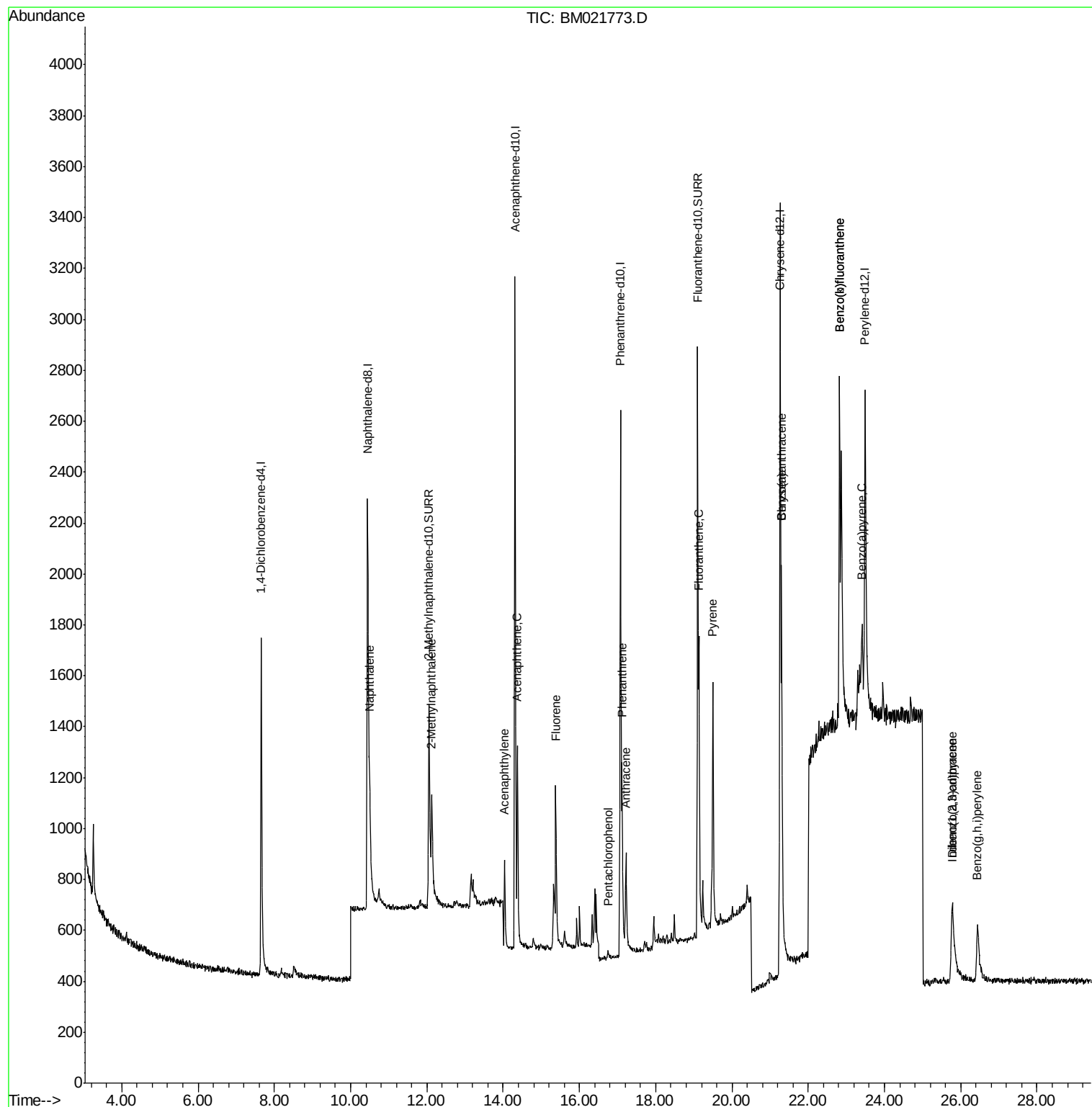
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	848	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	3791	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	1734	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	3293	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	2978	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	2391	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	1910	0.38	ng/ul	-0.02
14) Fluoranthene-d10	19.10	212	2782	0.37	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.50	128	746	0.070	ng/ul#	75
5) 2-Methylnaphthalene	12.13	142	476	0.078	ng/ul	95
7) Acenaphthylene	14.03	152	572	0.066	ng/ul#	75
8) Acenaphthene	14.37	153	511	0.069	ng/ul	91
9) Fluorene	15.38	166	534	0.069	ng/ul#	96
11) Pentachlorophenol	16.75	266	36	0.078	ng/ul#	78
12) Phenanthrene	17.12	178	824	0.075	ng/ul#	83
13) Anthracene	17.22	178	601	0.072	ng/ul#	76
15) Fluoranthene	19.13	202	922	0.084	ng/ul	83
17) Pyrene	19.50	202	998	0.076	ng/ul#	87
18) Benzo(a)anthracene	21.30	228	1820	0.204	ng/ul	92
19) Chrysene	21.30	228	1910	0.128	ng/ul	95
21) Benzo(b)fluoranthene	22.82	252	1984	0.186	ng/ul	85
22) Benzo(k)fluoranthene	22.82	252	1984	0.177	ng/ul	89
23) Benzo(a)pyrene	23.40	252	729	0.087	ng/ul#	51
24) Indeno(1,2,3-cd)pyrene	25.77	276	665	0.069	ng/ul#	86
25) Dibenzo(a,h)anthracene	25.79	278	484	0.064	ng/ul#	32
26) Benzo(g,h,i)perylene	26.44	276	616	0.066	ng/ul#	70

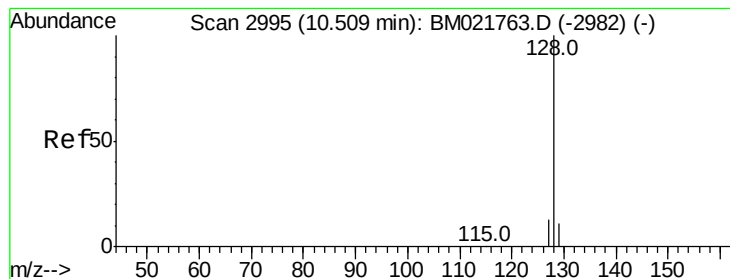
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.50 min Scan# 2992

Delta R.T. -0.01 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

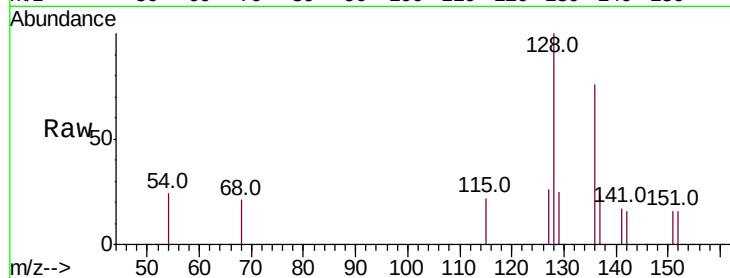
Tot Ion:128 Resp: 746

Ion Ratio Lower Upper

128 100

129 25.5 11.5 17.3#

127 26.4 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

10.50

400

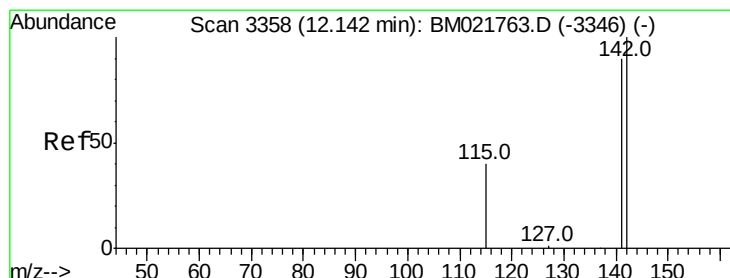
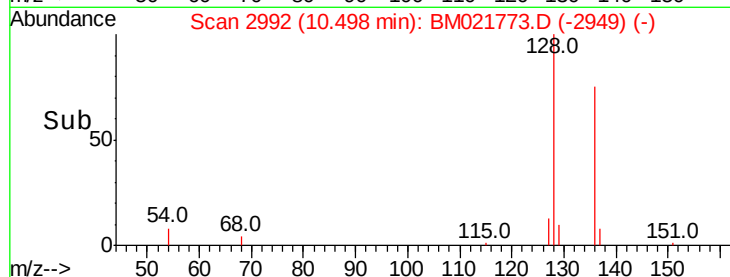
300

200

100

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.078 ng/ul

RT: 12.13 min Scan# 3354

Delta R.T. -0.02 min

Lab File: BM021773.D

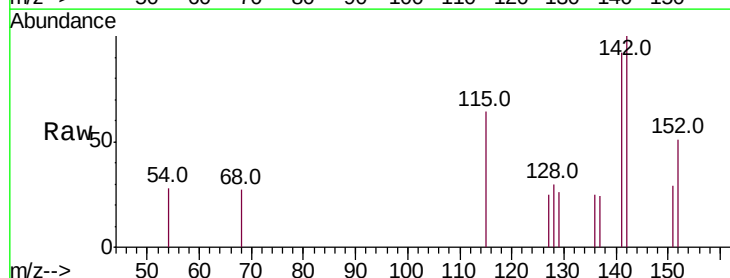
Acq: 03 Aug 2019 03:32

Tgt Ion:142 Resp: 476

Ion Ratio Lower Upper

142 100

141 94.3 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

250

200

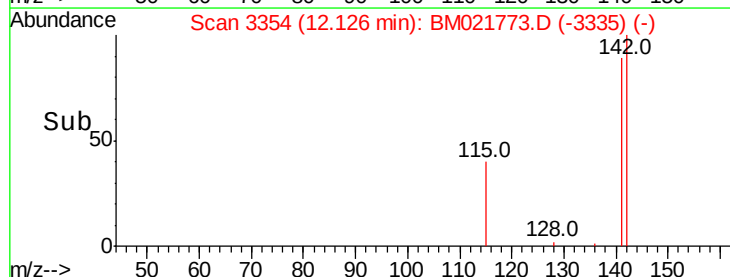
150

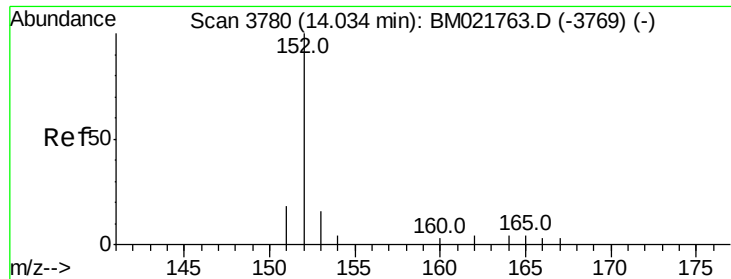
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.03 min Scan# 3779

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

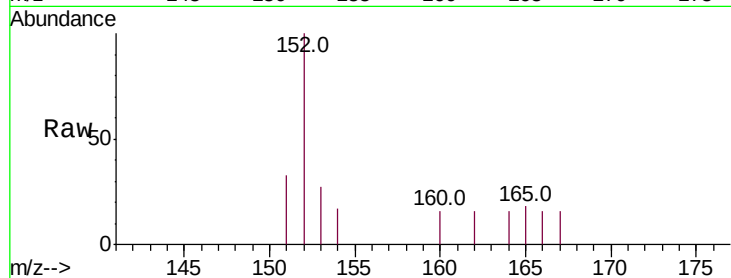
Tot Ion:152 Resp: 572

Ion Ratio Lower Upper

152 100

151 33.0 17.8 26.6#

153 27.4 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

14.03

300

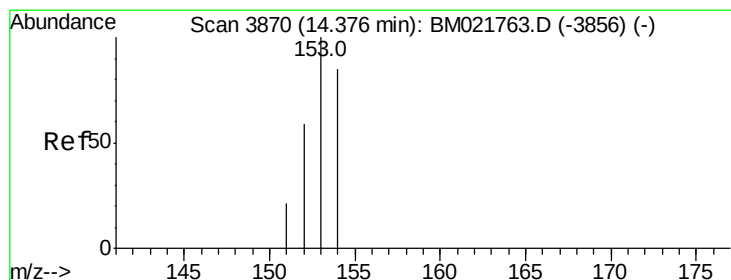
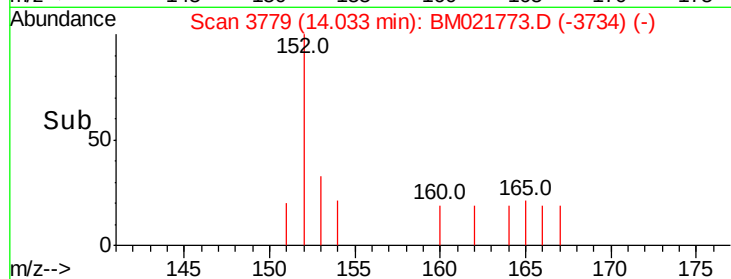
200

100

0

14.00 14.10

Time-->



#8

Acenaphthene

Concen: 0.069 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

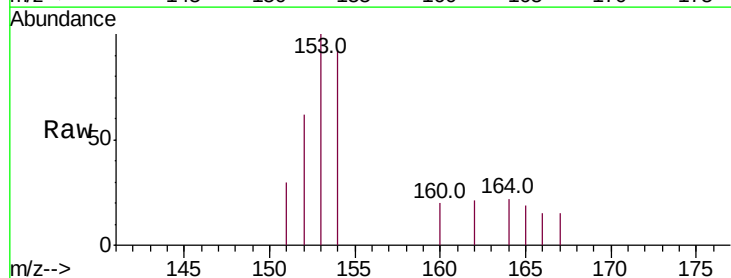
Tgt Ion:153 Resp: 511

Ion Ratio Lower Upper

153 100

152 62.0 44.0 66.0

154 92.2 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

14.37

300

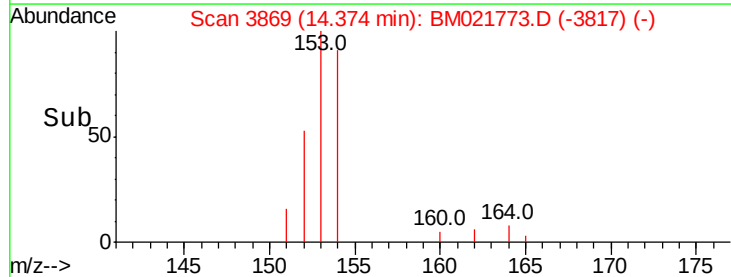
200

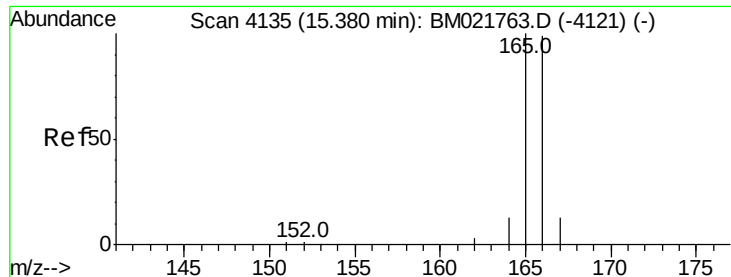
100

0

14.30 14.40

Time-->





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.38 min Scan# 4134

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

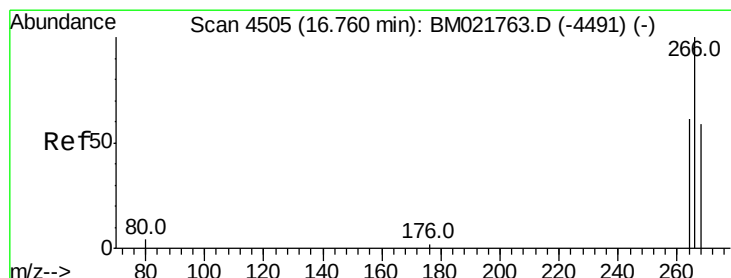
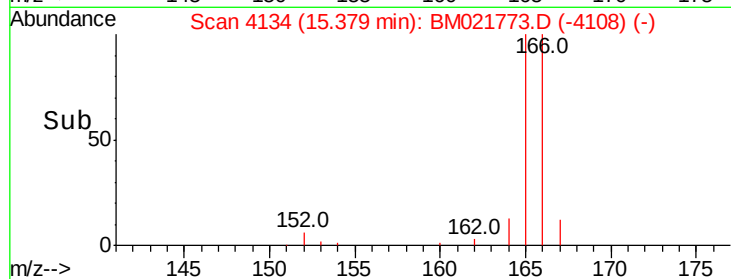
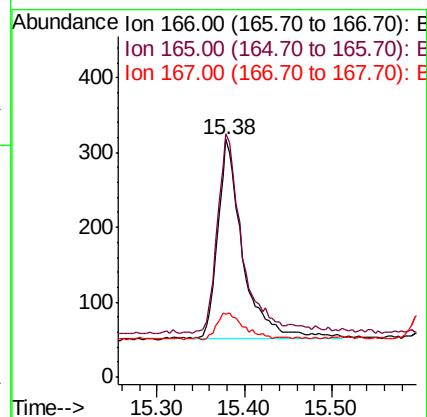
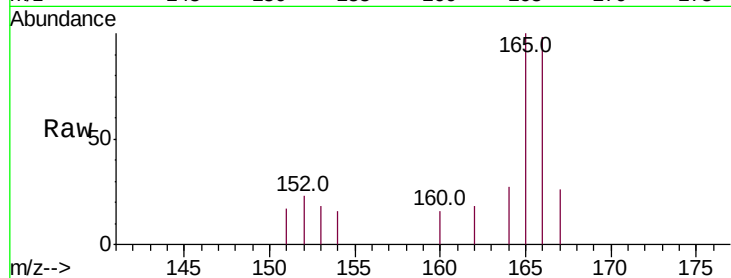
Tot Ion:166 Resp: 534

Ion Ratio Lower Upper

166 100

165 102.2 83.0 124.4

167 26.4 13.4 20.2#



#11

Pentachlorophenol

Concen: 0.078 ng/ul

RT: 16.75 min Scan# 4502

Delta R.T. -0.01 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

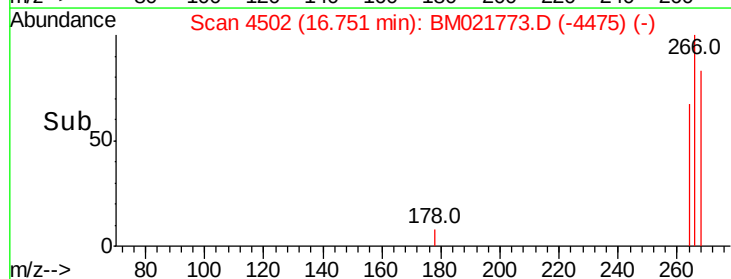
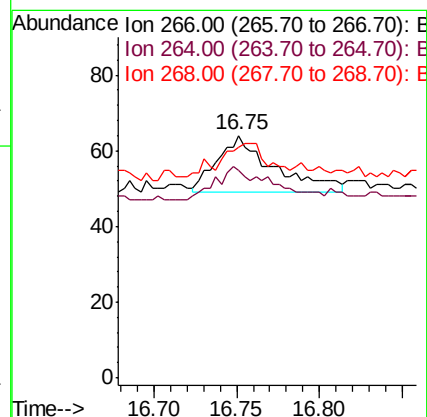
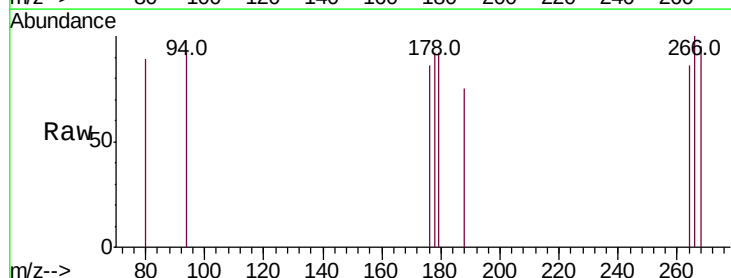
Tgt Ion:266 Resp: 36

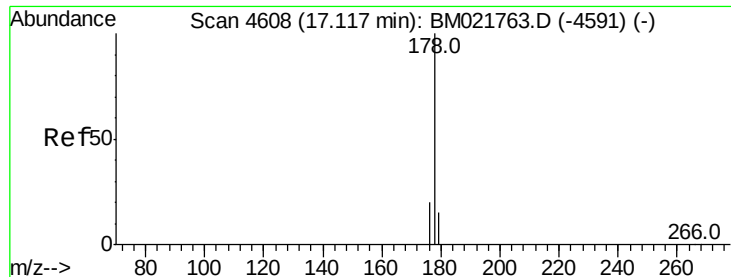
Ion Ratio Lower Upper

266 100

264 55.6 50.9 76.3

268 30.6 45.4 68.2#





#12

Phenanthrene

Concen: 0.075 ng/ul

RT: 17.12 min Scan# 4607

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

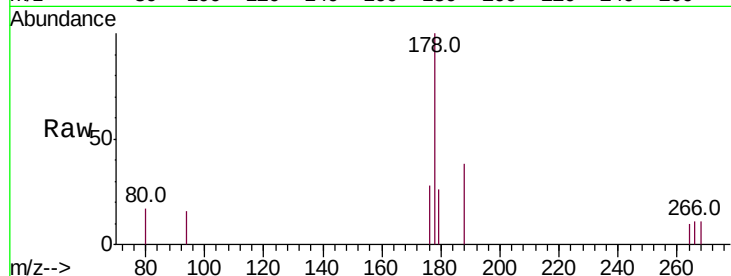
Tot Ion:178 Resp: 824

Ion Ratio Lower Upper

178 100

179 25.7 14.0 21.0#

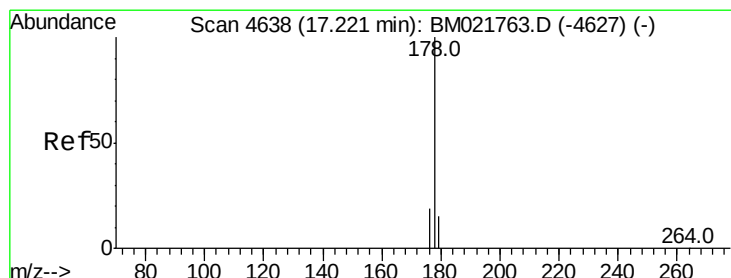
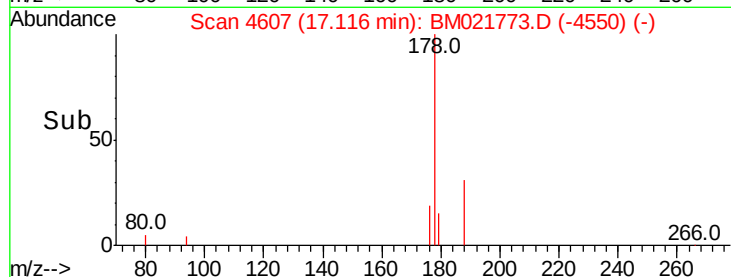
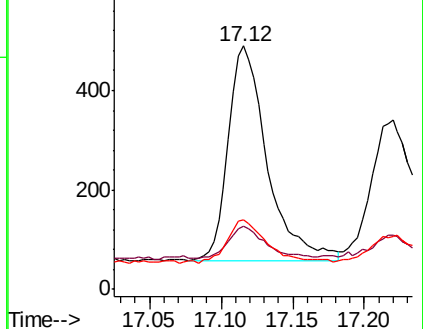
176 28.4 17.0 25.6#



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: 0.072 ng/ul

RT: 17.22 min Scan# 4637

Delta R.T. 0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

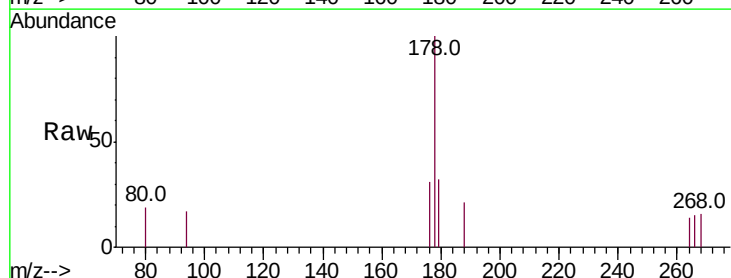
Tgt Ion:178 Resp: 601

Ion Ratio Lower Upper

178 100

179 32.4 14.5 21.7#

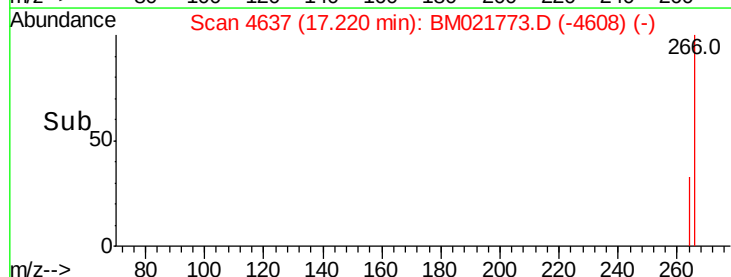
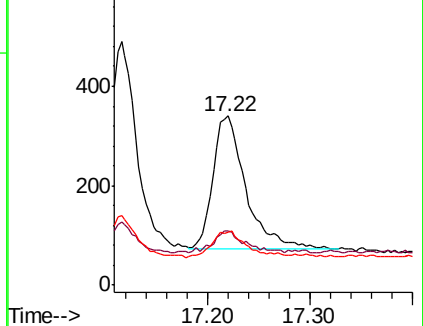
176 30.9 18.1 27.1#

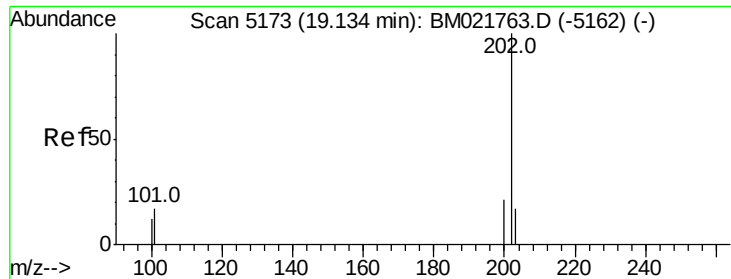


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.084 ng/ul

RT: 19.13 min Scan# 5172

Delta R.T. 0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

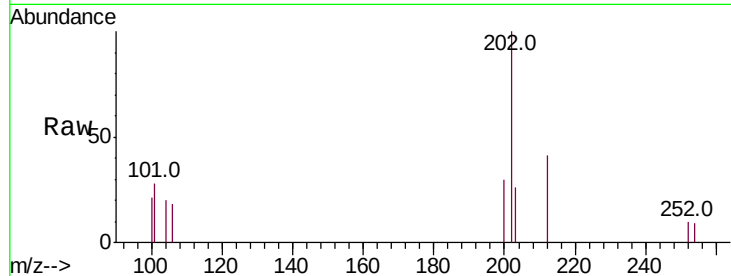
Tot Ion:202 Resp: 922

Ion Ratio Lower Upper

202 100

101 27.6 0.0 38.6

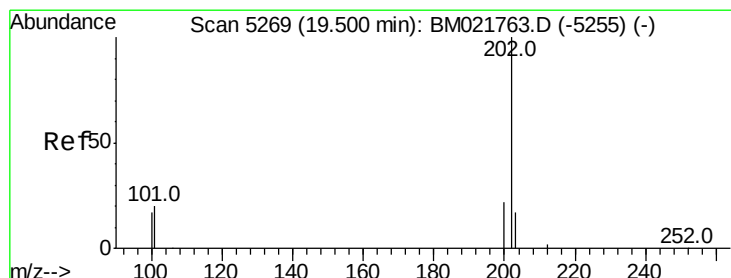
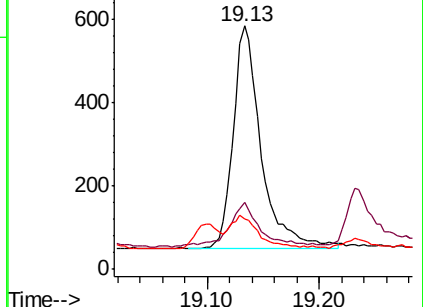
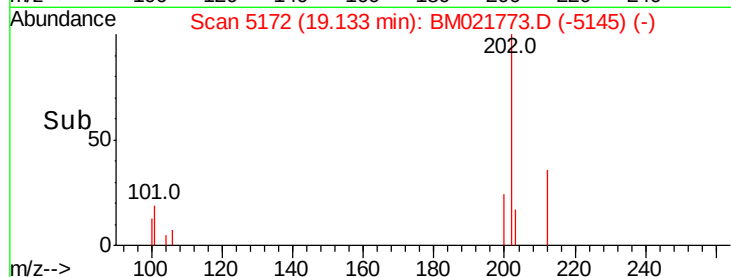
100 20.8 0.0 35.6



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: 0.076 ng/ul

RT: 19.50 min Scan# 5268

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

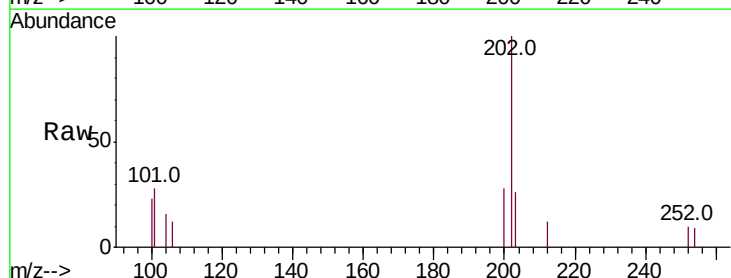
Tgt Ion:202 Resp: 998

Ion Ratio Lower Upper

202 100

101 28.2 17.0 25.6#

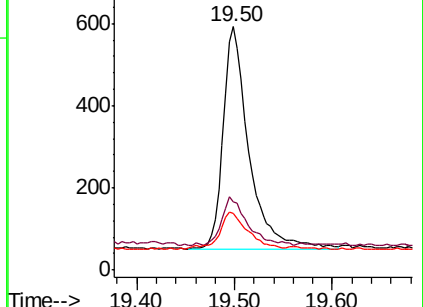
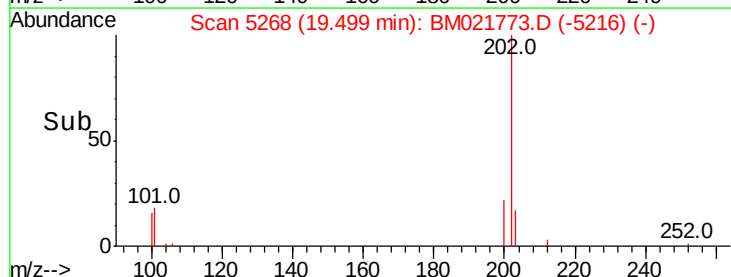
100 23.3 14.3 21.5#

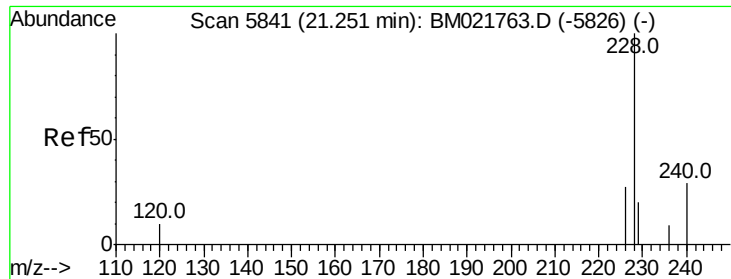


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.204 ng/ul

RT: 21.30 min Scan# 5860

Delta R.T. 0.05 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

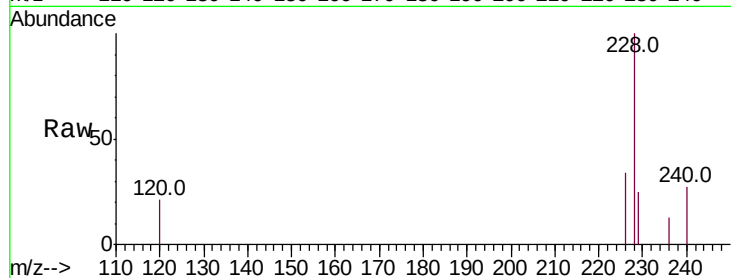
Tot Ion:228 Resp: 1820

Ion Ratio Lower Upper

228 100

229 24.6 16.6 24.8

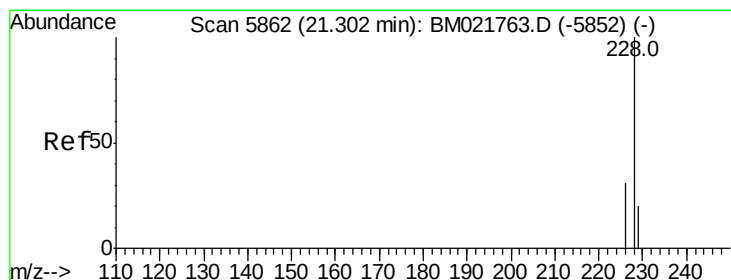
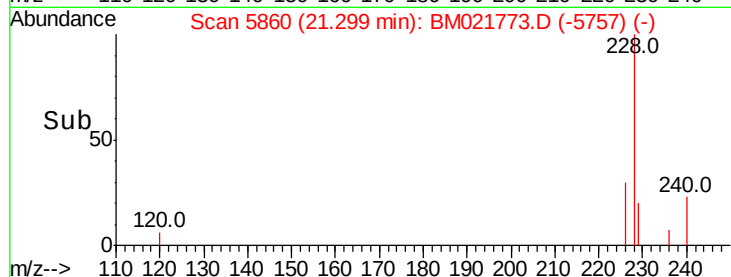
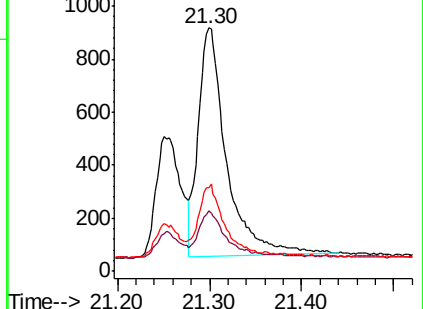
226 34.2 24.2 36.2



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: 0.128 ng/ul

RT: 21.30 min Scan# 5860

Delta R.T. -0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

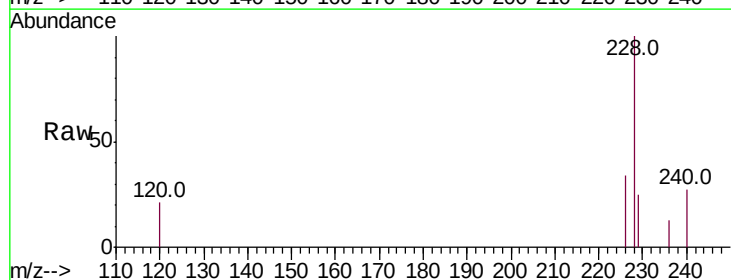
Tgt Ion:228 Resp: 1910

Ion Ratio Lower Upper

228 100

226 34.2 25.6 38.4

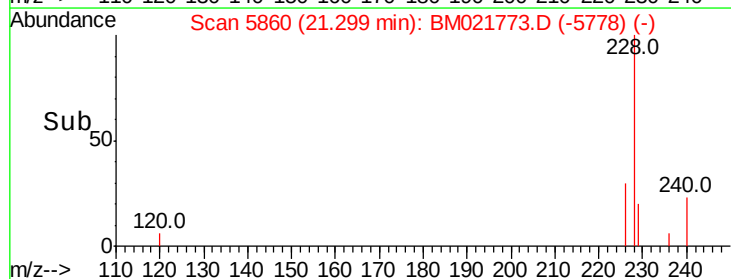
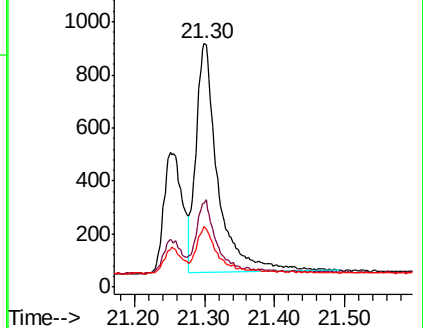
229 24.6 17.6 26.4

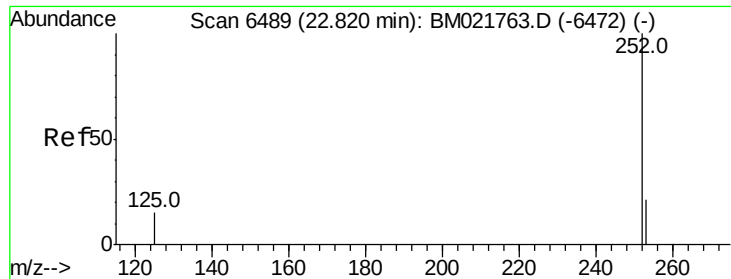


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.186 ng/ul

RT: 22.82 min Scan# 6490

Delta R.T. 0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

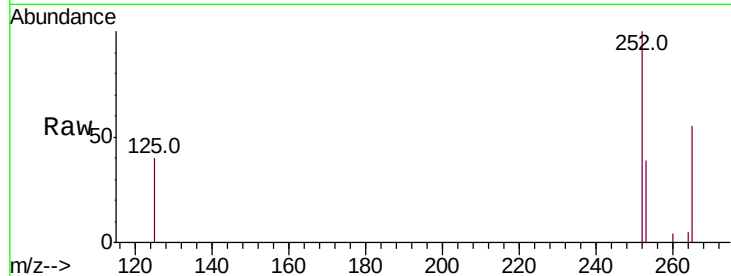
Tot Ion:252 Resp: 1984

Ion Ratio Lower Upper

252 100

253 38.7 0.0 62.8

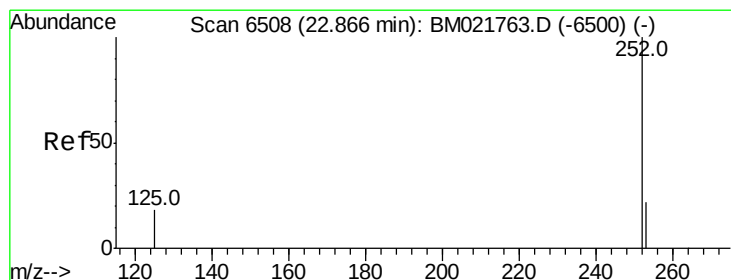
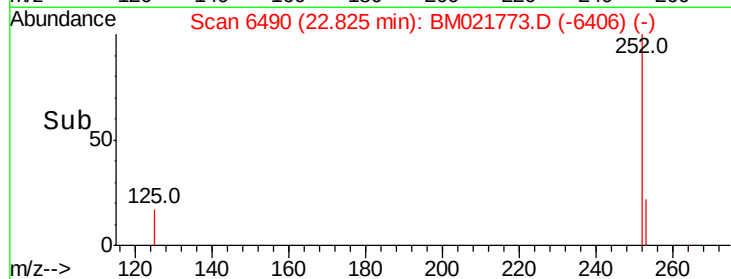
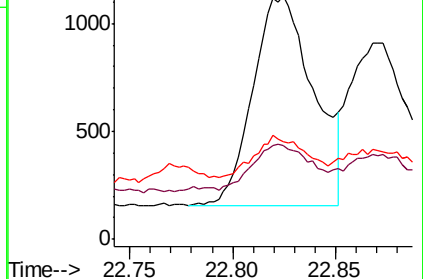
125 40.0 0.0 62.2



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: 0.177 ng/ul

RT: 22.82 min Scan# 6490

Delta R.T. -0.04 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

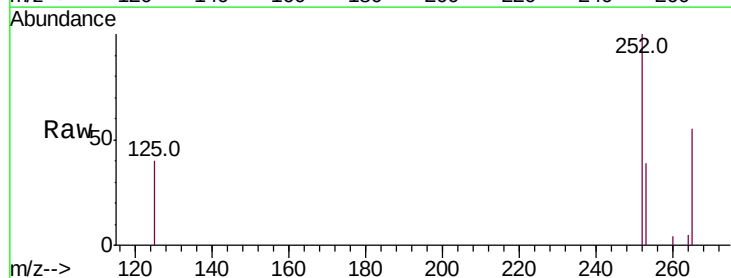
Tgt Ion:252 Resp: 1984

Ion Ratio Lower Upper

252 100

253 38.7 25.8 38.8

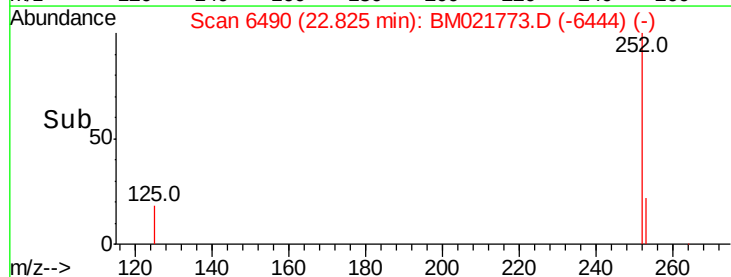
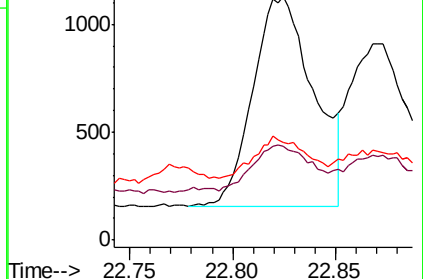
125 40.0 27.0 40.4

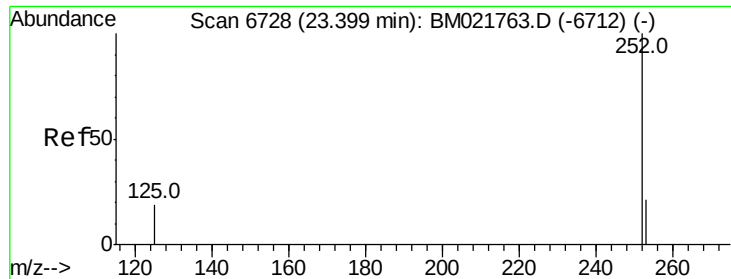


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.087 ng/ul

RT: 23.40 min Scan# 6729

Delta R.T. 0.00 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

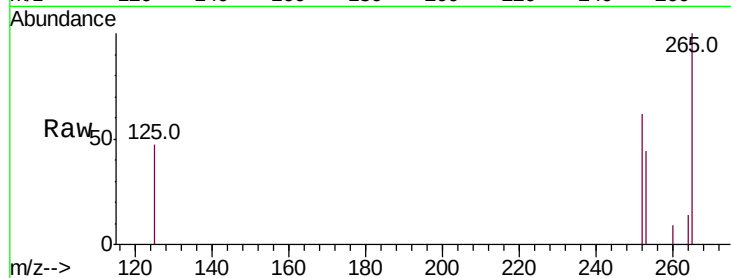
Tot Ion:252 Resp: 729

Ion Ratio Lower Upper

252 100

253 71.1 32.4 48.6#

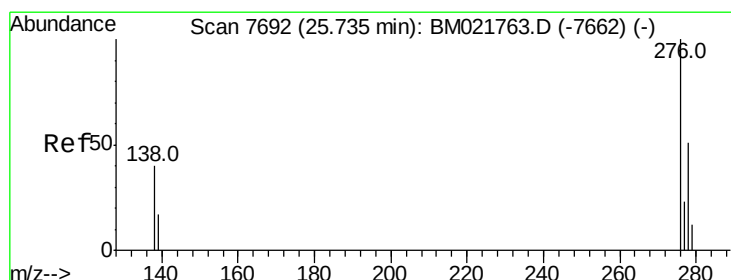
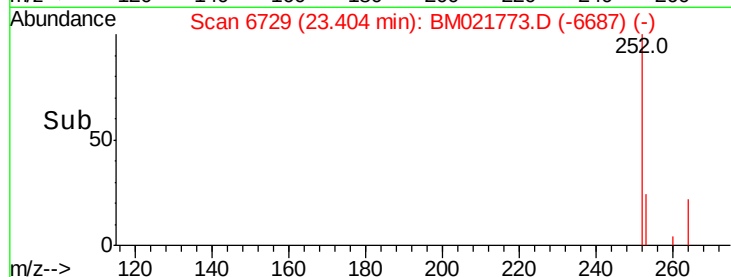
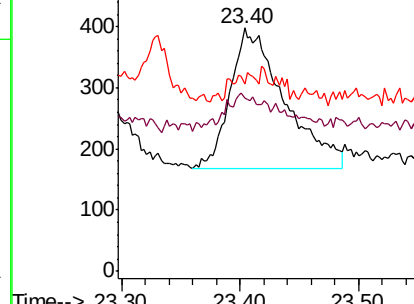
125 76.6 35.9 53.9#



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: 0.069 ng/ul

RT: 25.77 min Scan# 7704

Delta R.T. 0.04 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

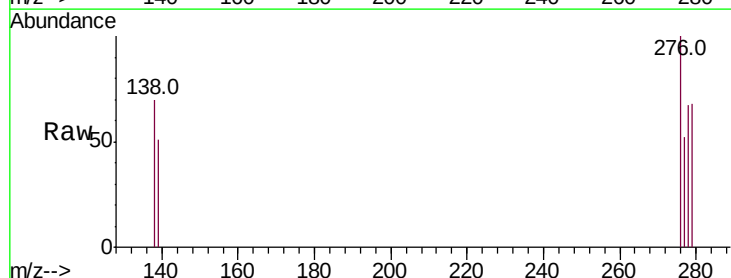
Tgt Ion:276 Resp: 665

Ion Ratio Lower Upper

276 100

138 33.2 33.8 50.8#

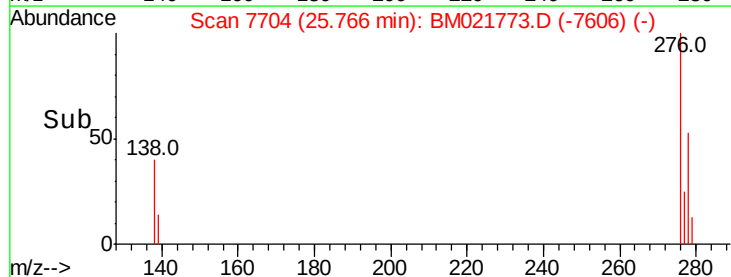
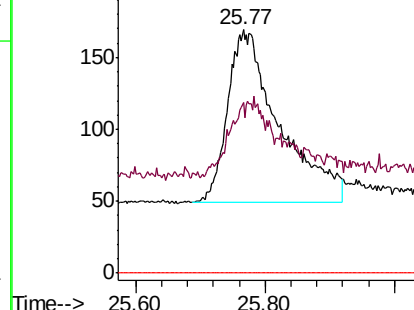
227 0.0 0.0 0.0

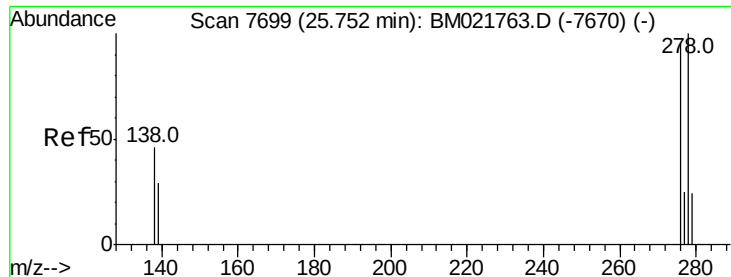


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.064 ng/ul

RT: 25.79 min Scan# 7712

Delta R.T. 0.03 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

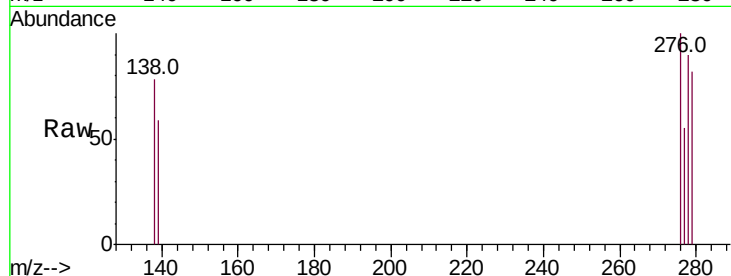
Tot Ion:278 Resp: 484

Ion Ratio Lower Upper

278 100

139 65.9 29.5 44.3#

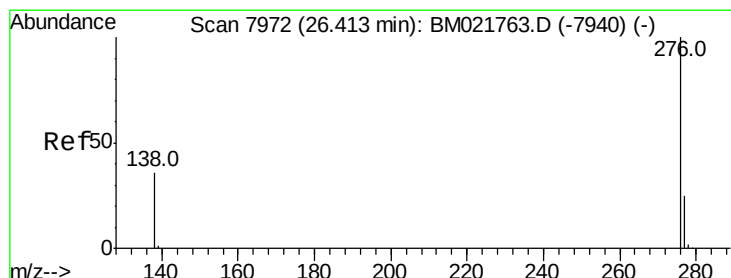
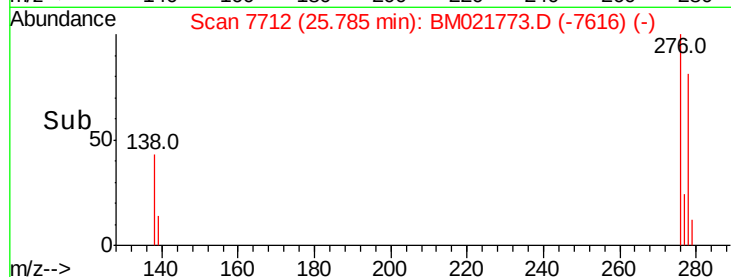
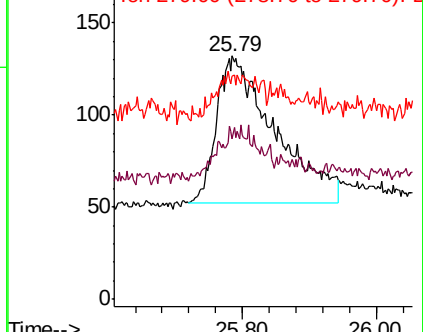
279 91.7 31.1 46.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.066 ng/ul

RT: 26.44 min Scan# 7982

Delta R.T. 0.03 min

Lab File: BM021773.D

Acq: 03 Aug 2019 03:32

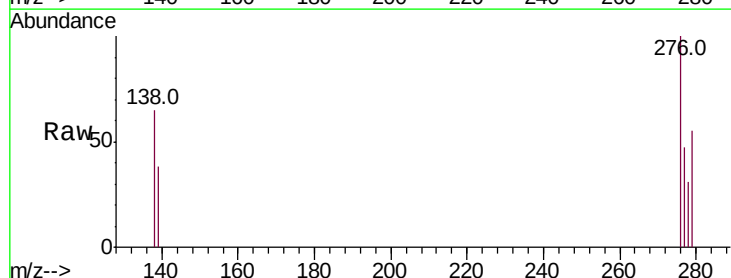
Tgt Ion:276 Resp: 616

Ion Ratio Lower Upper

276 100

138 64.7 36.2 54.2#

277 47.3 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

