

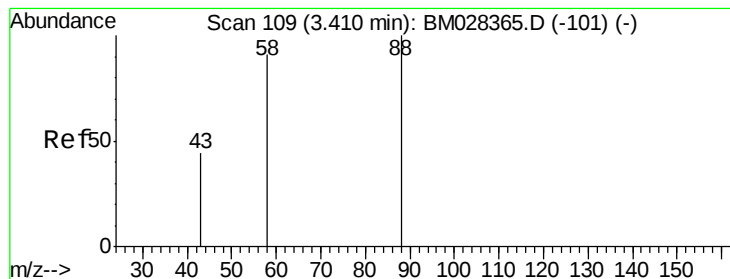
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011121\
 Data File : BM028371.D
 Acq On : 11 Jan 2021 16:53
 Operator : CG/JU
 Sample : L5214-01
 Misc : SFAM-SIM-MDL-01
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Quant Time: Jan 11 17:24:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM011121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 11 13:19:00 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	483	0.40	ng/ul	0.00
4) Naphthalene-d8	10.95	136	1794	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.76	164	915	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.48	188	1759	0.40	ng/ul	0.00
17) Chrysene-d12	21.60	240	1293	0.40	ng/ul	0.00
23) Perylene-d12	23.92	264	1067	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.37	96	290	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.52	152	781	0.30	ng/ul	0.00
18) Fluoranthene-d10	19.48	212	1221	0.30	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.41	88	32	0.058	ng/ul#	82
5) Naphthalene	11.00	128	304	0.059	ng/ul#	62
7) 2-Methylnaphthalene	12.60	142	194	0.059	ng/ul	98
8) 1-Methylnaphthalene	12.82	142	185	0.059	ng/ul	98
10) Acenaphthylene	14.48	152	217	0.055	ng/ul#	64
11) Acenaphthene	14.82	153	194	0.057	ng/ul#	93
12) Fluorene	15.80	166	206	0.056	ng/ul#	92
14) Pentachlorophenol	17.14	266	23	0.058	ng/ul	97
15) Phenanthrene	17.52	178	329	0.059	ng/ul#	75
16) Anthracene	17.61	178	284	0.058	ng/ul#	68
19) Fluoranthene	19.51	202	363	0.064	ng/ul#	71
20) Pyrene	19.87	202	354	0.063	ng/ul#	71
21) Benzo(a)anthracene	21.58	228	316	0.071	ng/ul#	81
22) Chrysene	21.64	228	352	0.072	ng/ul#	83
24) Benzo(b)fluoranthene	23.22	252	360	0.078	ng/ul#	47
25) Benzo(k)fluoranthene	23.27	252	318	0.073	ng/ul#	46
26) Benzo(a)pyrene	23.82	252	275	0.073	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	26.29	276	341	0.069	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.31	278	285	0.070	ng/ul#	41
29) Benzo(g,h,i)perylene	27.03	276	311	0.070	ng/ul#	62

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



#2

1,4-Dioxane

Concen: 0.058 ng/ul

RT: 3.41 min Scan# 110

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

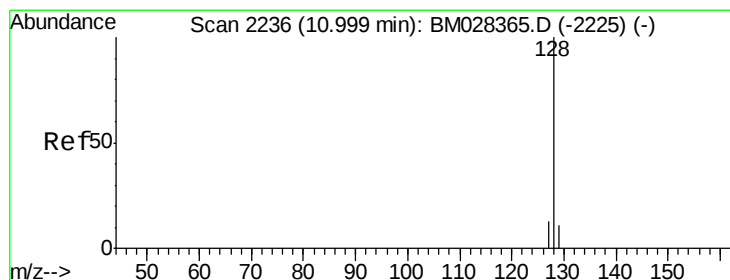
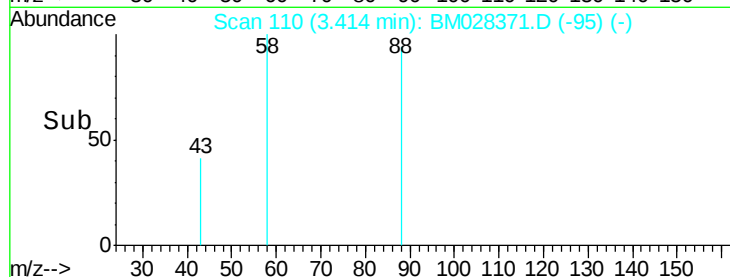
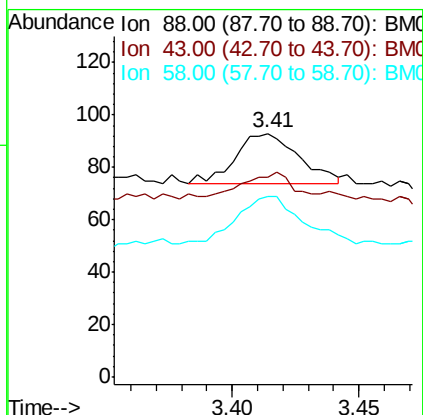
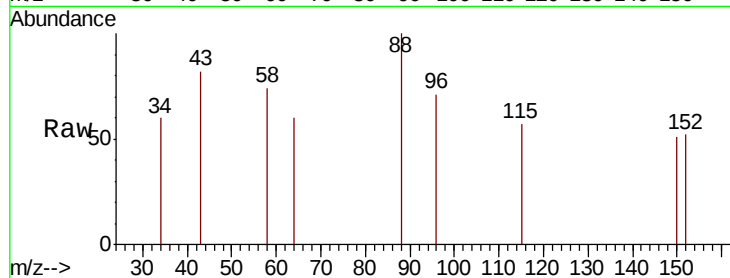
Tot Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 81.7 47.8 71.6#

58 74.2 67.1 100.7



#5

Naphthalene

Concen: 0.059 ng/ul

RT: 11.00 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

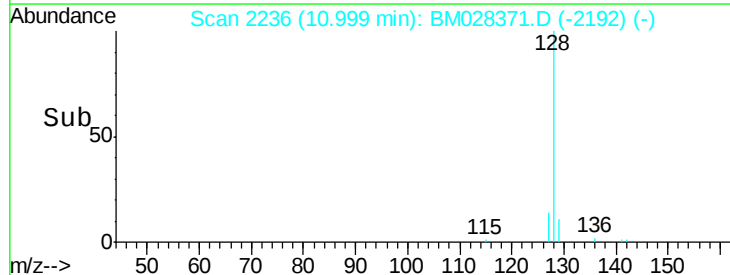
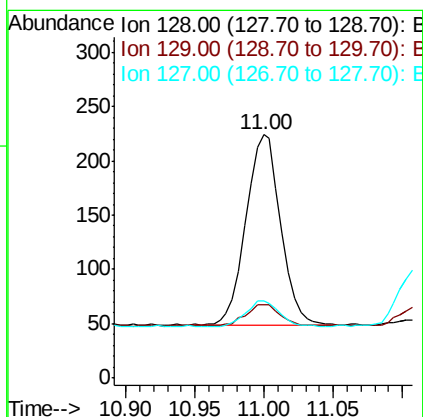
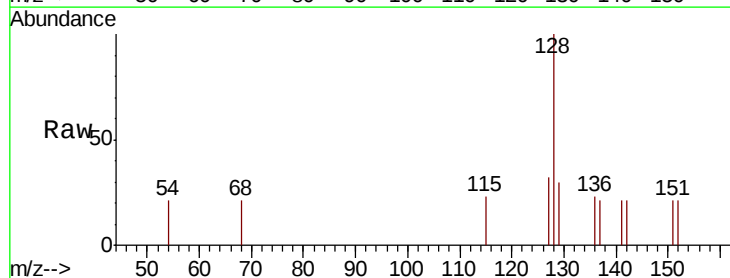
Tgt Ion: 128 Resp: 304

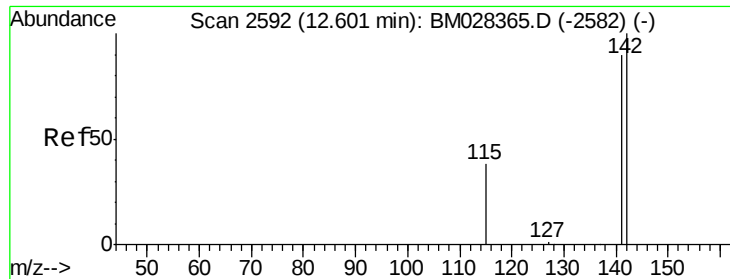
Ion Ratio Lower Upper

128 100

129 29.9 11.1 16.7#

127 31.7 13.0 19.4#





#7

2-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.60 min Scan# 2592

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

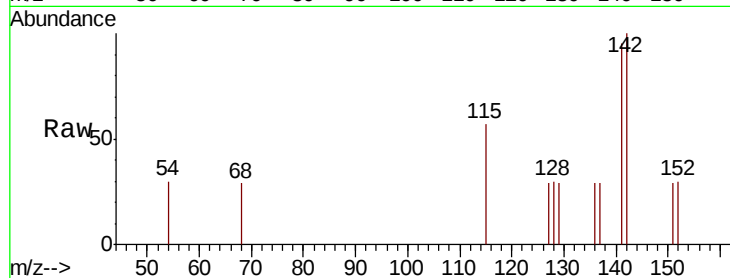
MDL-WATER-QT1-2021-01

Tot Ion:142 Resp: 194

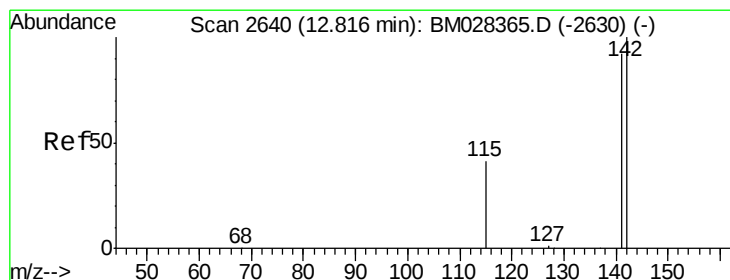
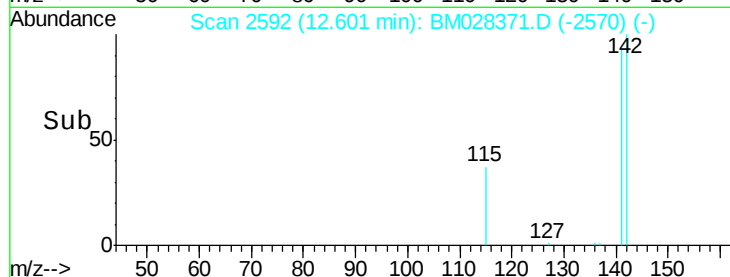
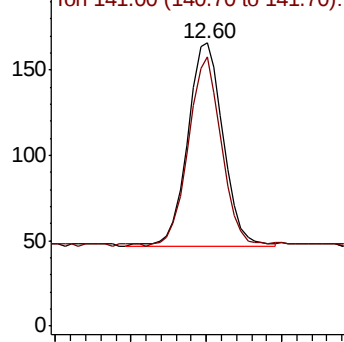
Ion Ratio Lower Upper

142 100

141 87.1 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E



#8

1-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.82 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BM028371.D

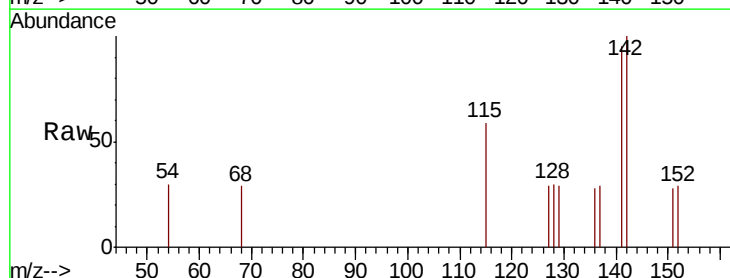
Acq: 11 Jan 2021 16:53

Tgt Ion:142 Resp: 185

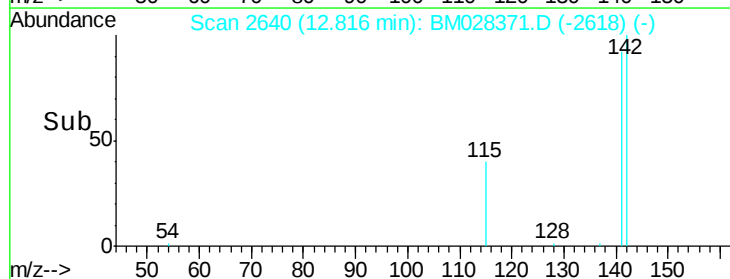
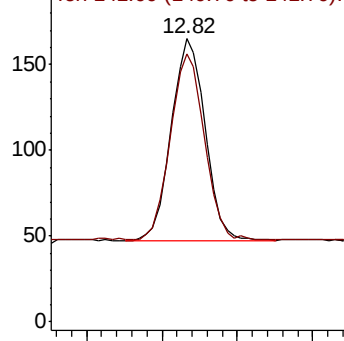
Ion Ratio Lower Upper

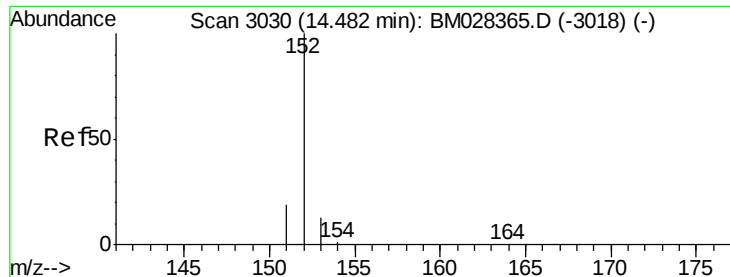
142 100

141 90.8 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E





#10

Acenaphthylene

Concen: 0.055 ng/ul

RT: 14.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

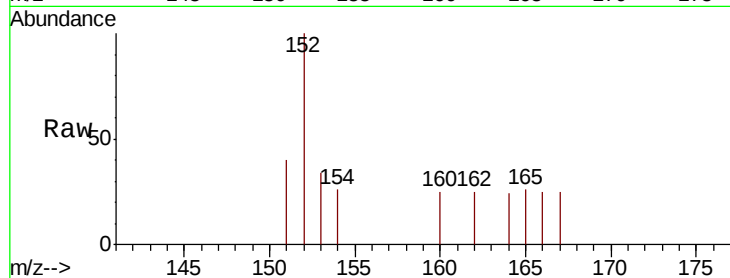
Tot Ion:152 Resp: 217

Ion Ratio Lower Upper

152 100

151 39.9 18.4 27.6#

153 34.0 13.8 20.6#



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

14.48

250

200

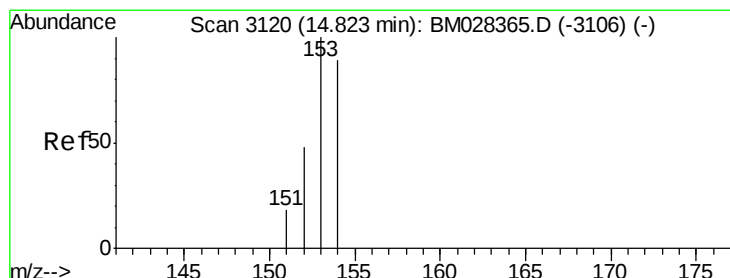
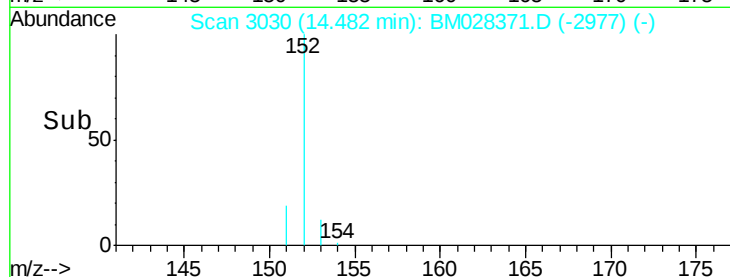
150

100

50

0

Time-->



#11

Acenaphthene

Concen: 0.057 ng/ul

RT: 14.82 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

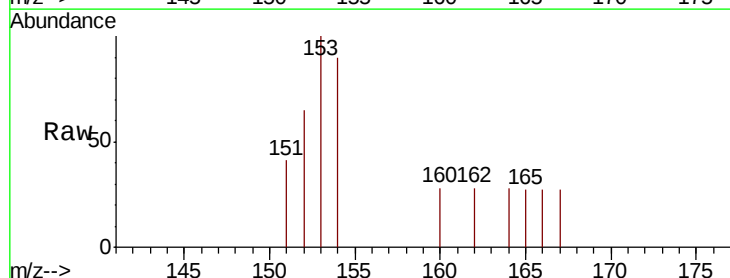
Tgt Ion:153 Resp: 194

Ion Ratio Lower Upper

153 100

152 64.6 40.9 61.3#

154 90.3 71.7 107.5



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

14.82

200

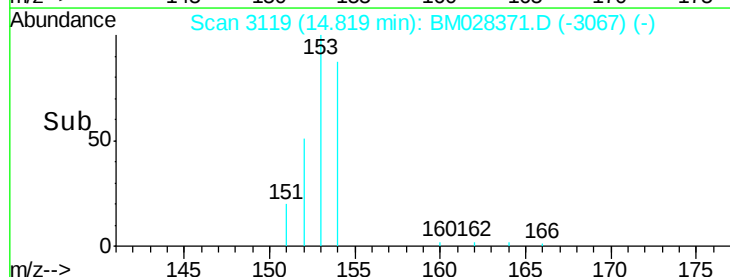
150

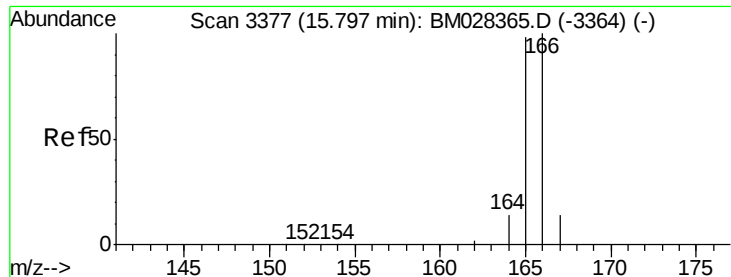
100

50

0

Time-->





#12

Fluorene

Concen: 0.056 ng/ul

RT: 15.80 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

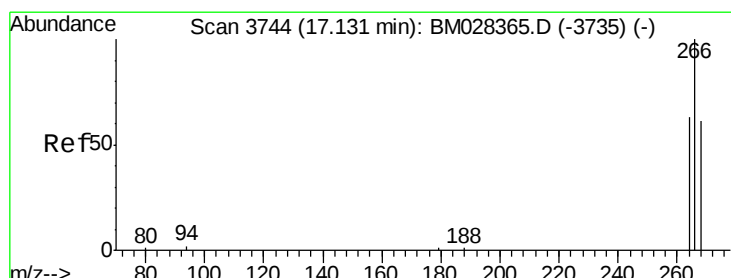
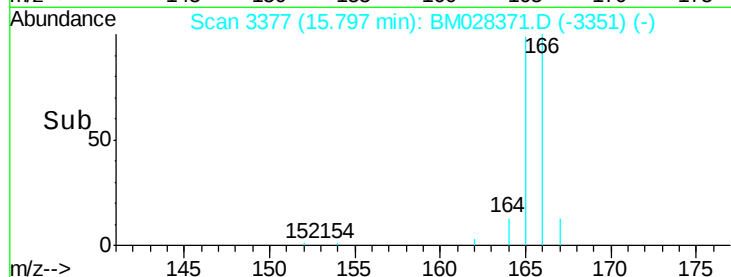
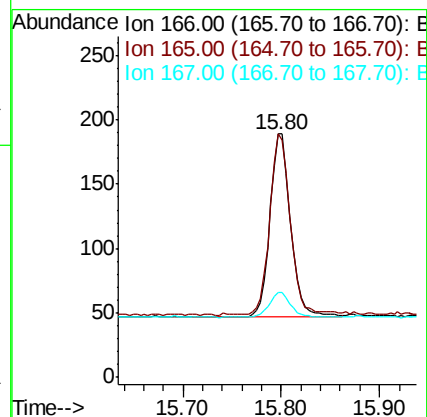
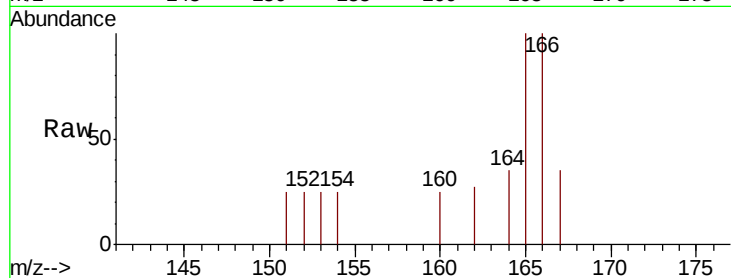
Tot Ion:166 Resp: 206

Ion Ratio Lower Upper

166 100

165 100.0 78.6 117.8

167 34.9 14.2 21.2#



#14

Pentachlorophenol

Concen: 0.058 ng/ul

RT: 17.14 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

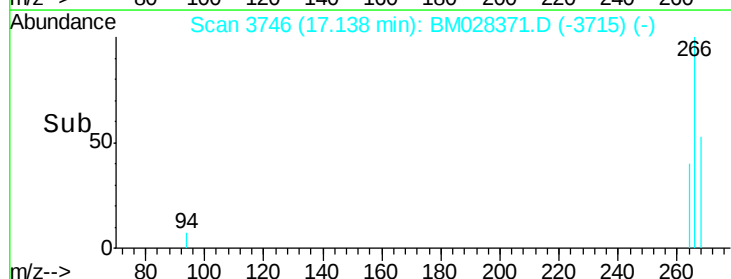
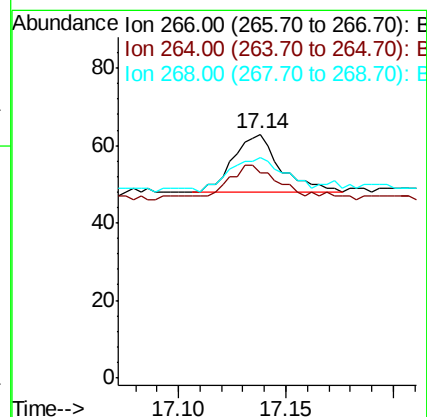
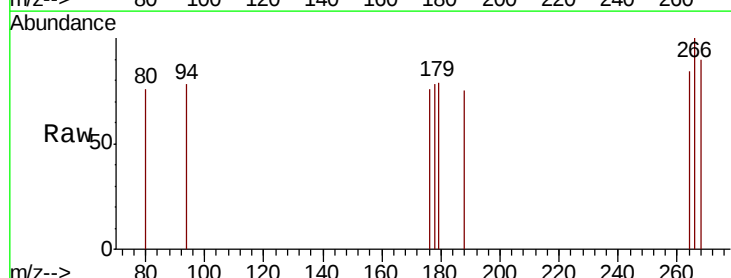
Tgt Ion:266 Resp: 23

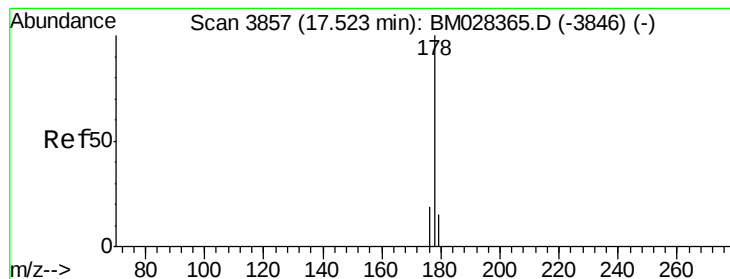
Ion Ratio Lower Upper

266 100

264 65.2 52.6 78.8

268 69.6 52.0 78.0





#15

Phenanthrene

Concen: 0.059 ng/ul

RT: 17.52 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

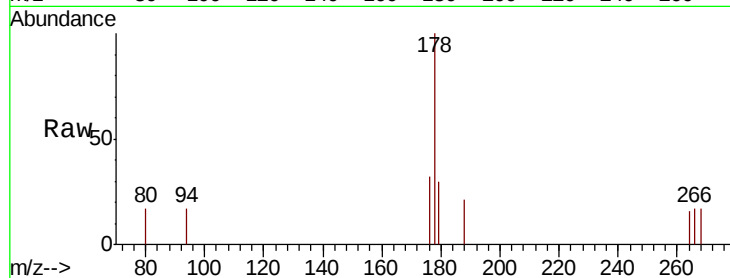
Tot Ion:178 Resp: 329

Ion Ratio Lower Upper

178 100

179 29.9 14.6 21.8#

176 32.3 17.0 25.6#

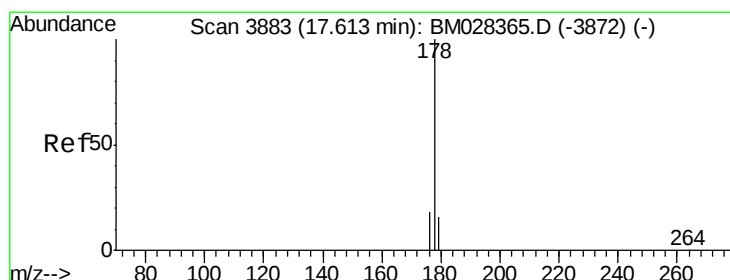
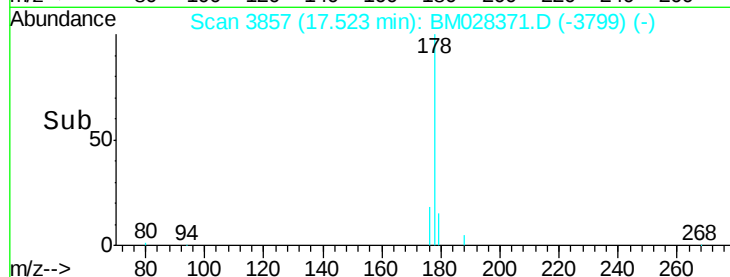
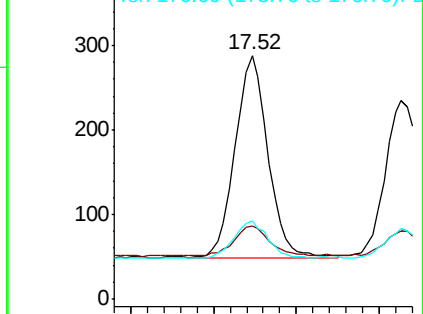


Abundance

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



#16

Anthracene

Concen: 0.058 ng/ul

RT: 17.61 min Scan# 3883

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

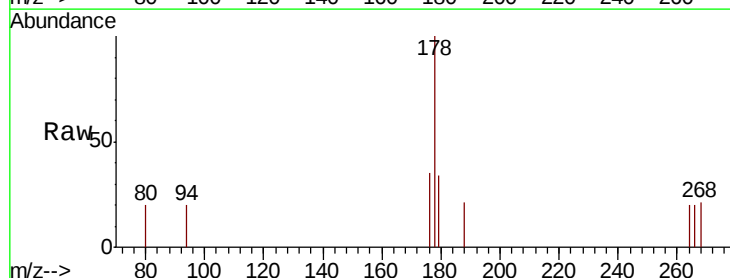
Tgt Ion:178 Resp: 284

Ion Ratio Lower Upper

178 100

179 34.0 15.1 22.7#

176 35.3 17.0 25.4#

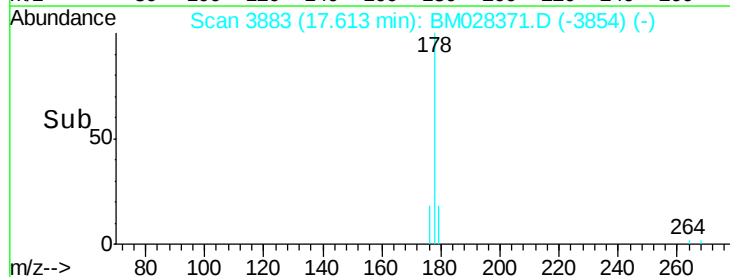
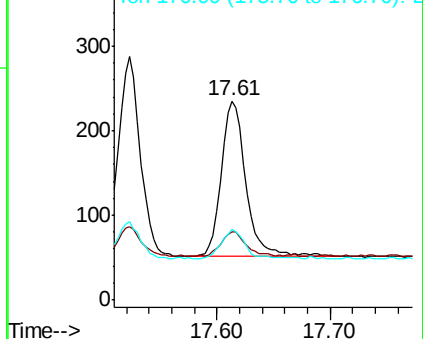


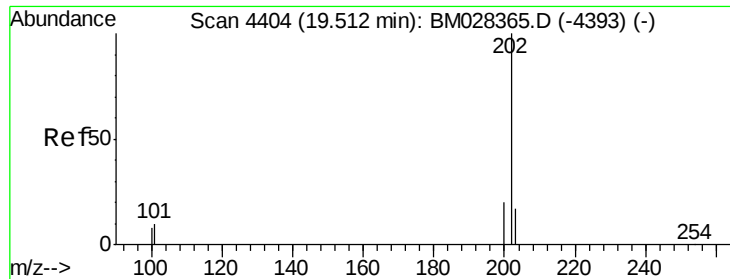
Abundance

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





#19

Fluoranthene

Concen: 0.064 ng/ul

RT: 19.51 min Scan# 4404

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

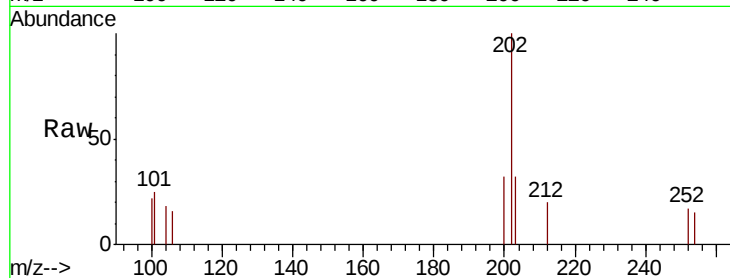
Tot Ion:202 Resp: 363

Ion Ratio Lower Upper

202 100

101 24.8 10.2 15.4#

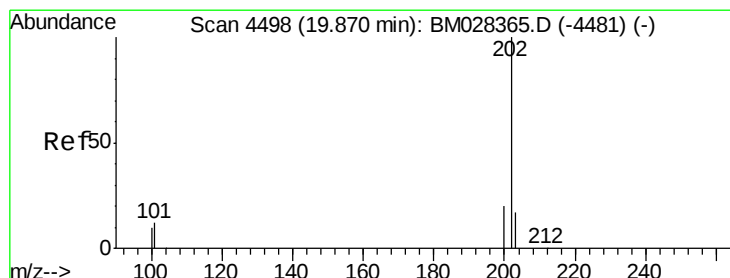
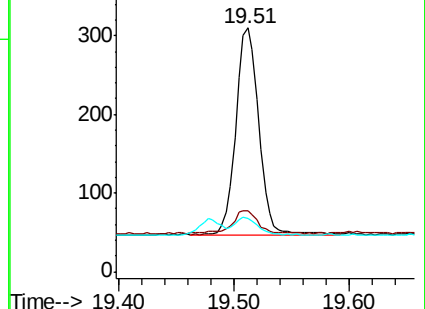
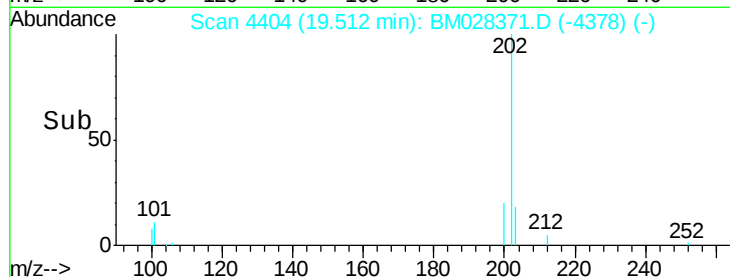
100 21.6 9.0 13.4#



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



#20

Pyrene

Concen: 0.063 ng/ul

RT: 19.87 min Scan# 4498

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

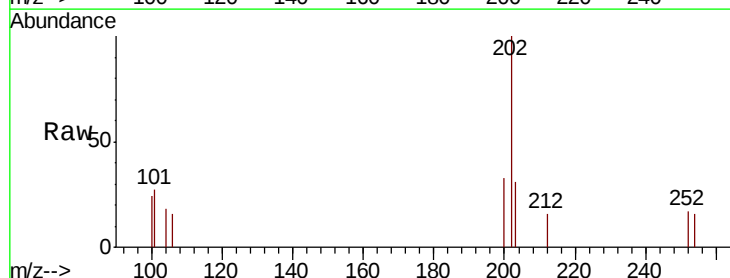
Tgt Ion:202 Resp: 354

Ion Ratio Lower Upper

202 100

101 27.2 11.8 17.8#

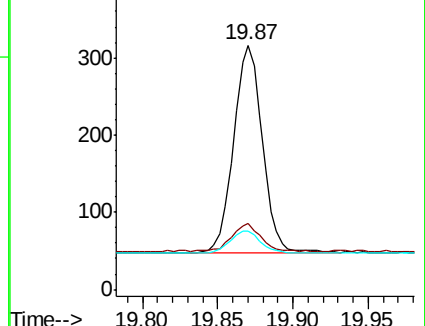
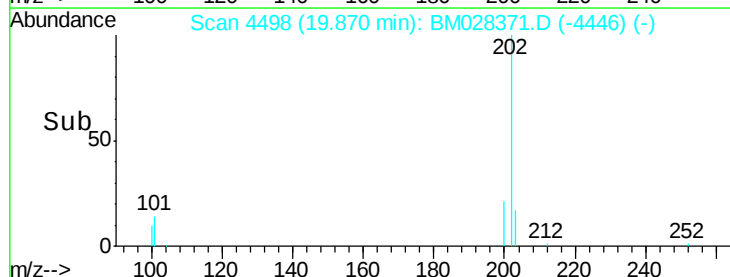
100 23.7 10.1 15.1#

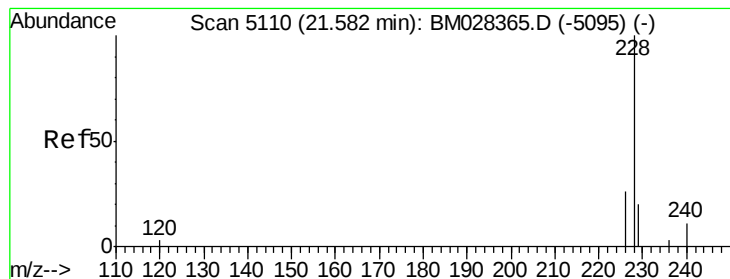


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.071 ng/ul

RT: 21.58 min Scan# 5111

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

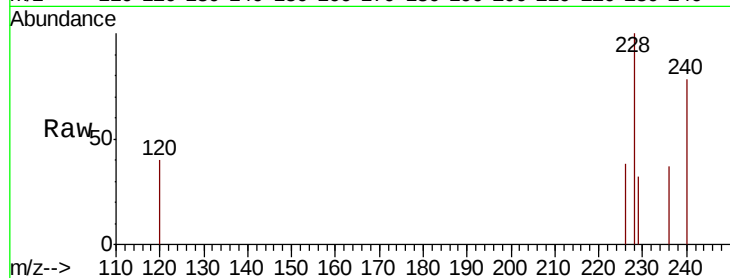
Tot Ion:228 Resp: 316

Ion Ratio Lower Upper

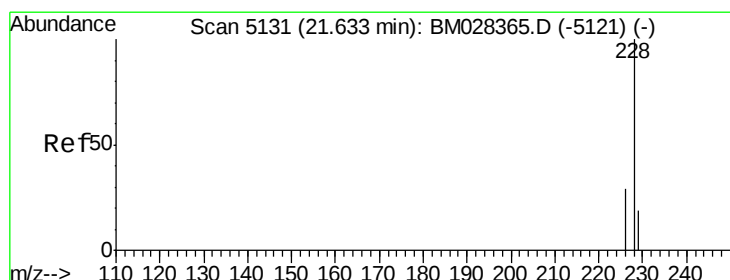
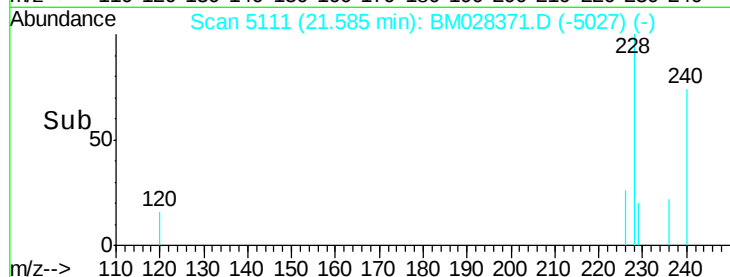
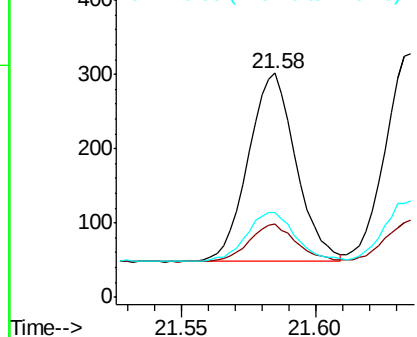
228 100

229 32.5 18.3 27.5#

226 38.1 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



#22

Chrysene

Concen: 0.072 ng/ul

RT: 21.64 min Scan# 5132

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

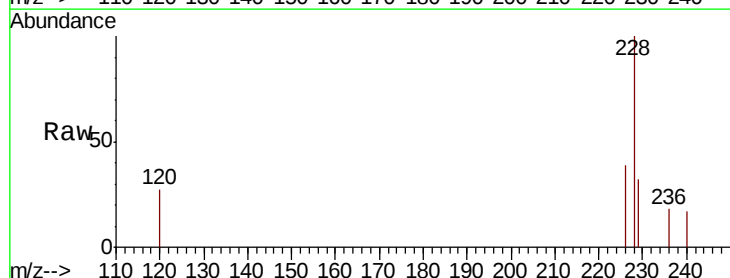
Tgt Ion:228 Resp: 352

Ion Ratio Lower Upper

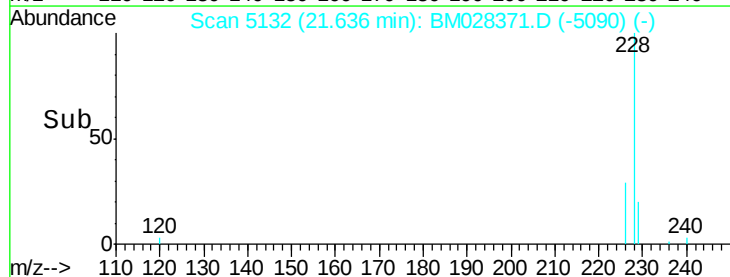
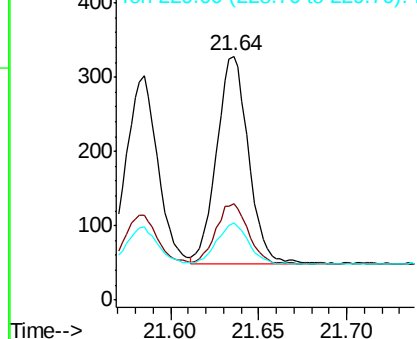
228 100

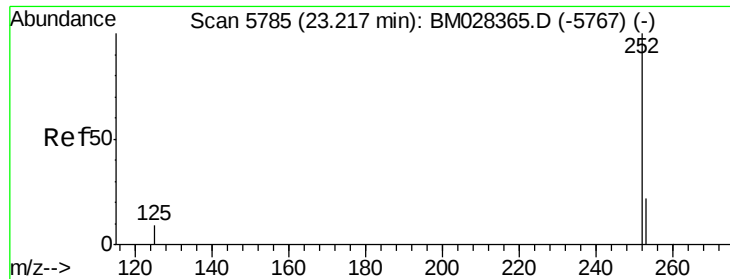
226 39.3 25.1 37.7#

229 31.7 17.4 26.0#



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





#24

Benzo(b)fluoranthene

Concen: 0.078 ng/u1

RT: 23.22 min Scan# 5786

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

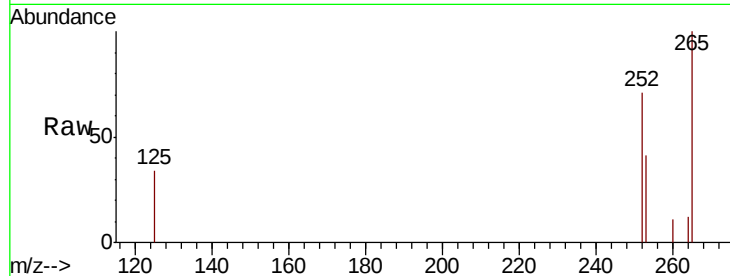
Tot Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

253 57.1 0.0 61.4

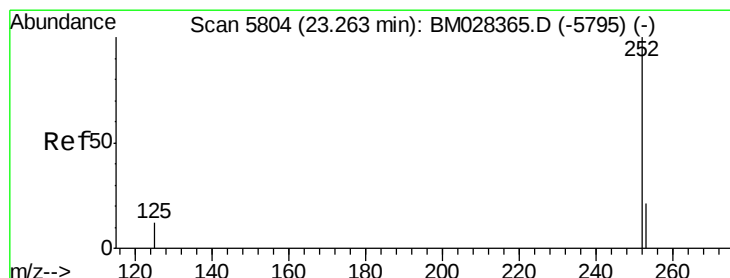
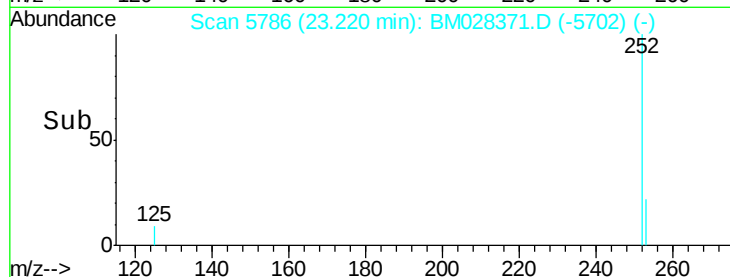
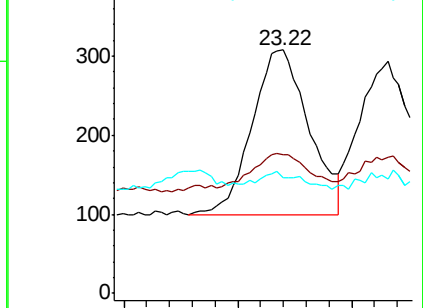
125 47.4 0.0 40.4#



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



#25

Benzo(k)fluoranthene

Concen: 0.073 ng/u1

RT: 23.27 min Scan# 5805

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

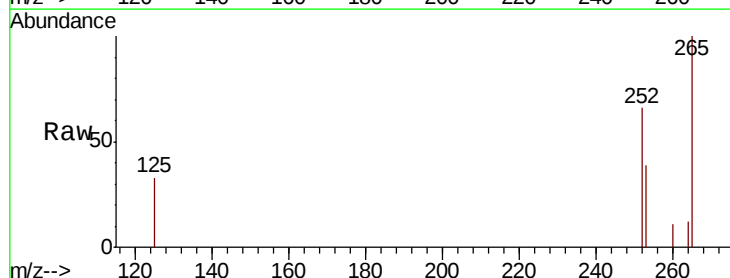
Tgt Ion:252 Resp: 318

Ion Ratio Lower Upper

252 100

253 58.7 24.7 37.1#

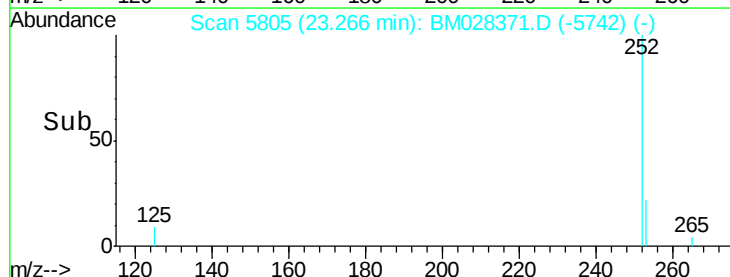
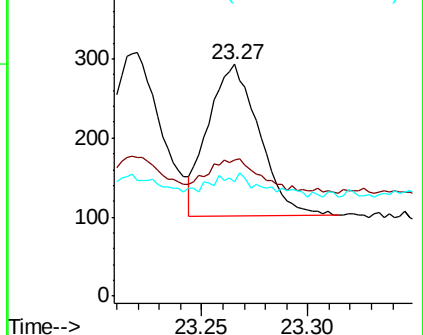
125 49.5 17.3 25.9#

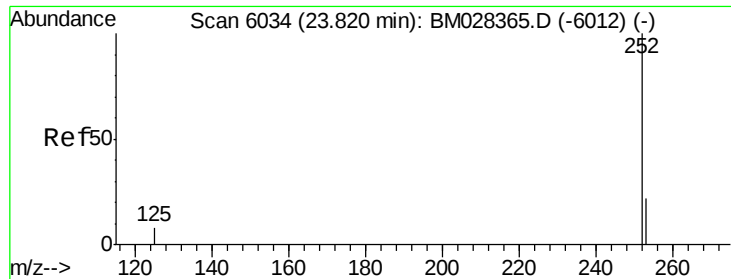


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.073 ng/u1

RT: 23.82 min Scan# 6034

Delta R.T. 0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT1-2021-01

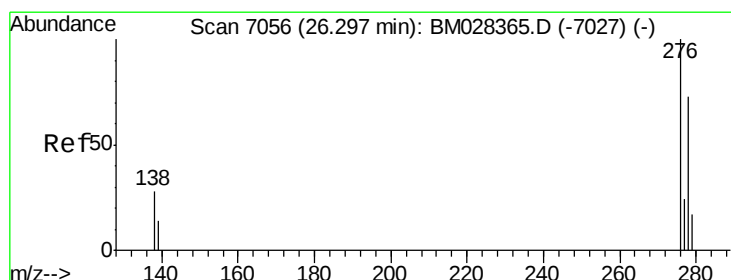
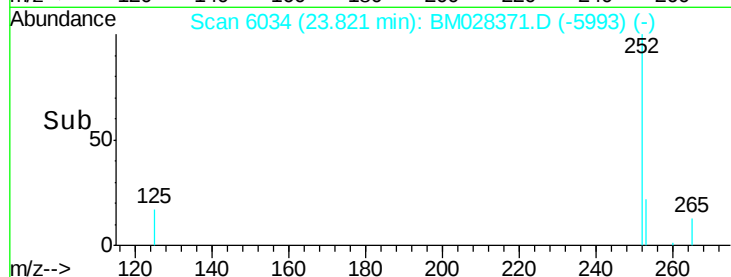
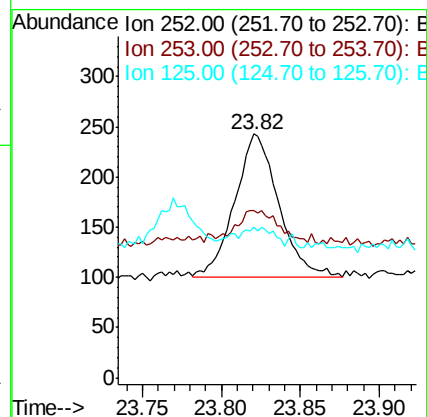
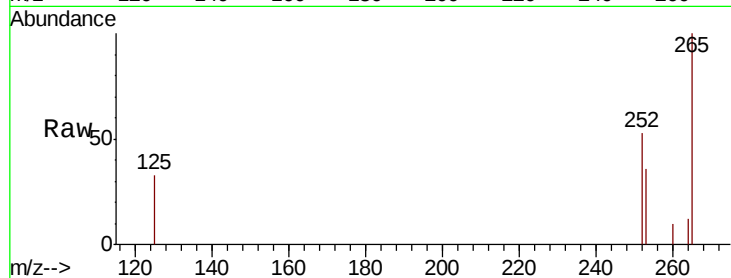
Tot Ion:252 Resp: 275

Ion Ratio Lower Upper

252 100

253 68.7 28.0 42.0#

125 61.7 20.6 30.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.069 ng/u1

RT: 26.29 min Scan# 7055

Delta R.T. -0.00 min

Lab File: BM028371.D

Acq: 11 Jan 2021 16:53

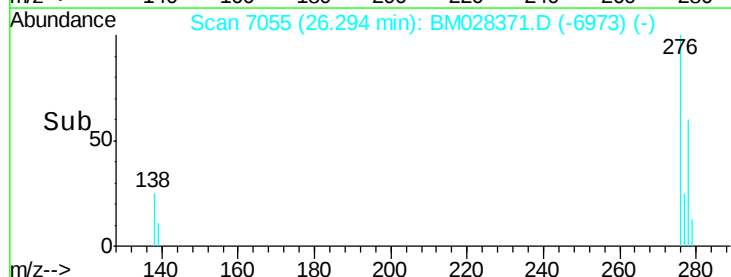
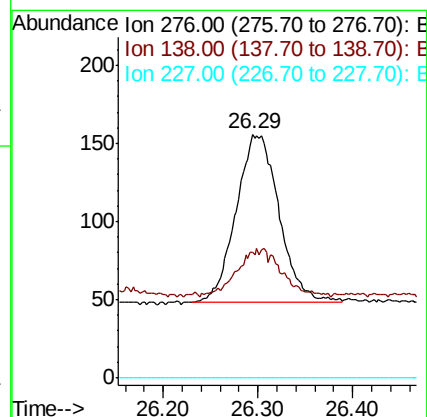
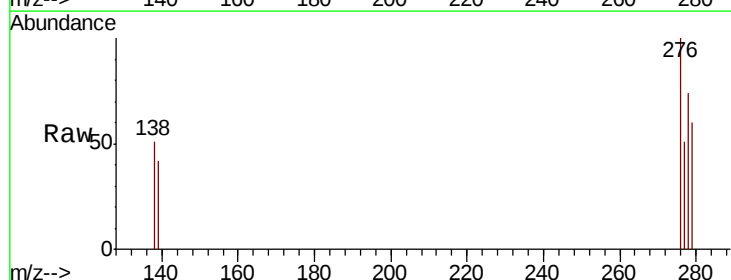
Tgt Ion:276 Resp: 341

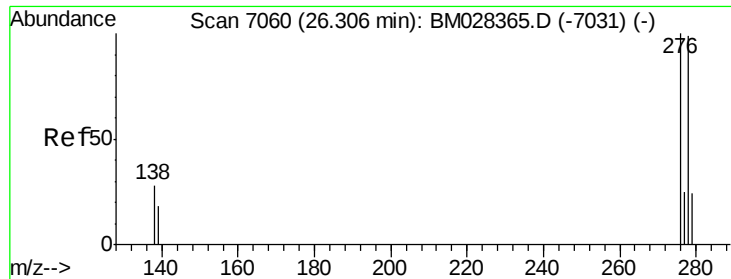
Ion Ratio Lower Upper

276 100

138 29.0 21.9 32.9

227 0.0 0.0 0.0

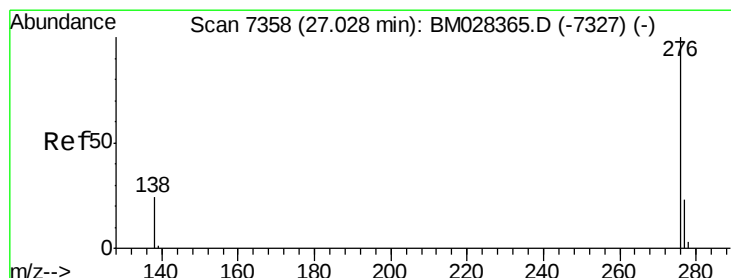
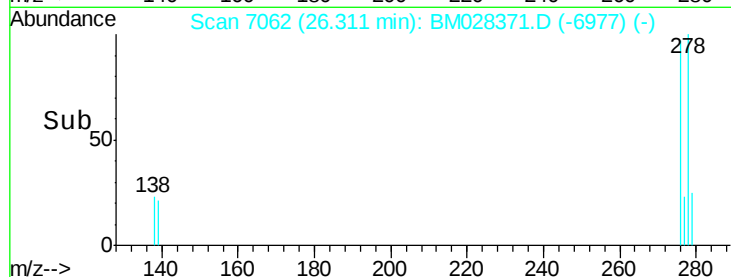
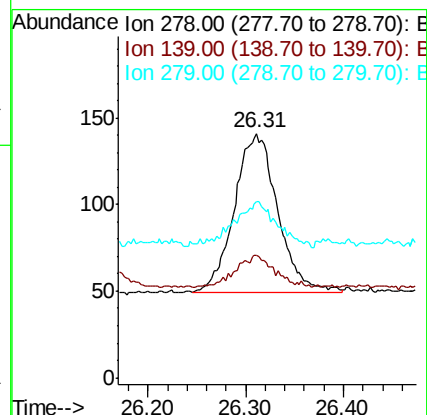
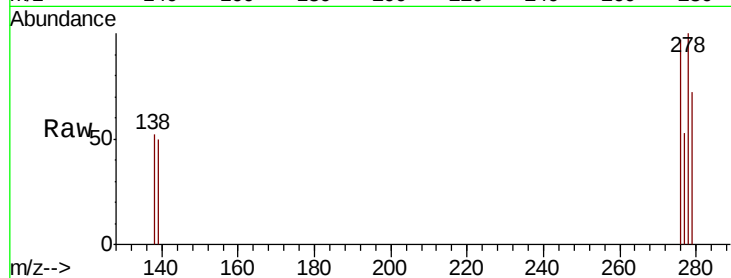




#28
Dibenzo(a,h)anthracene
Concen: 0.070 ng/ul
RT: 26.31 min Scan# 7062
Delta R.T. 0.00 min
Lab File: BM028371.D
Acq: 11 Jan 2021 16:53

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT1-2021-01

Tot Ion:278 Resp: 285
Ion Ratio Lower Upper
278 100
139 50.4 20.3 30.5#
279 72.3 27.5 41.3#



#29
Benzo(g,h,i)perylene
Concen: 0.070 ng/ul
RT: 27.03 min Scan# 7357
Delta R.T. -0.00 min
Lab File: BM028371.D
Acq: 11 Jan 2021 16:53

Tgt Ion:276 Resp: 311
Ion Ratio Lower Upper
276 100
138 49.0 24.7 37.1#
277 53.0 23.8 35.6#

