

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110720\
 Data File : BM027746.D
 Acq On : 07 Nov 2020 06:24
 Operator : JU/CG
 Sample : L4485-14
 Misc : SFAM-SIM-MDL-W-08
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-07

Quant Time: Nov 07 06:55:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:24:33 2020
 Response via : Initial Calibration

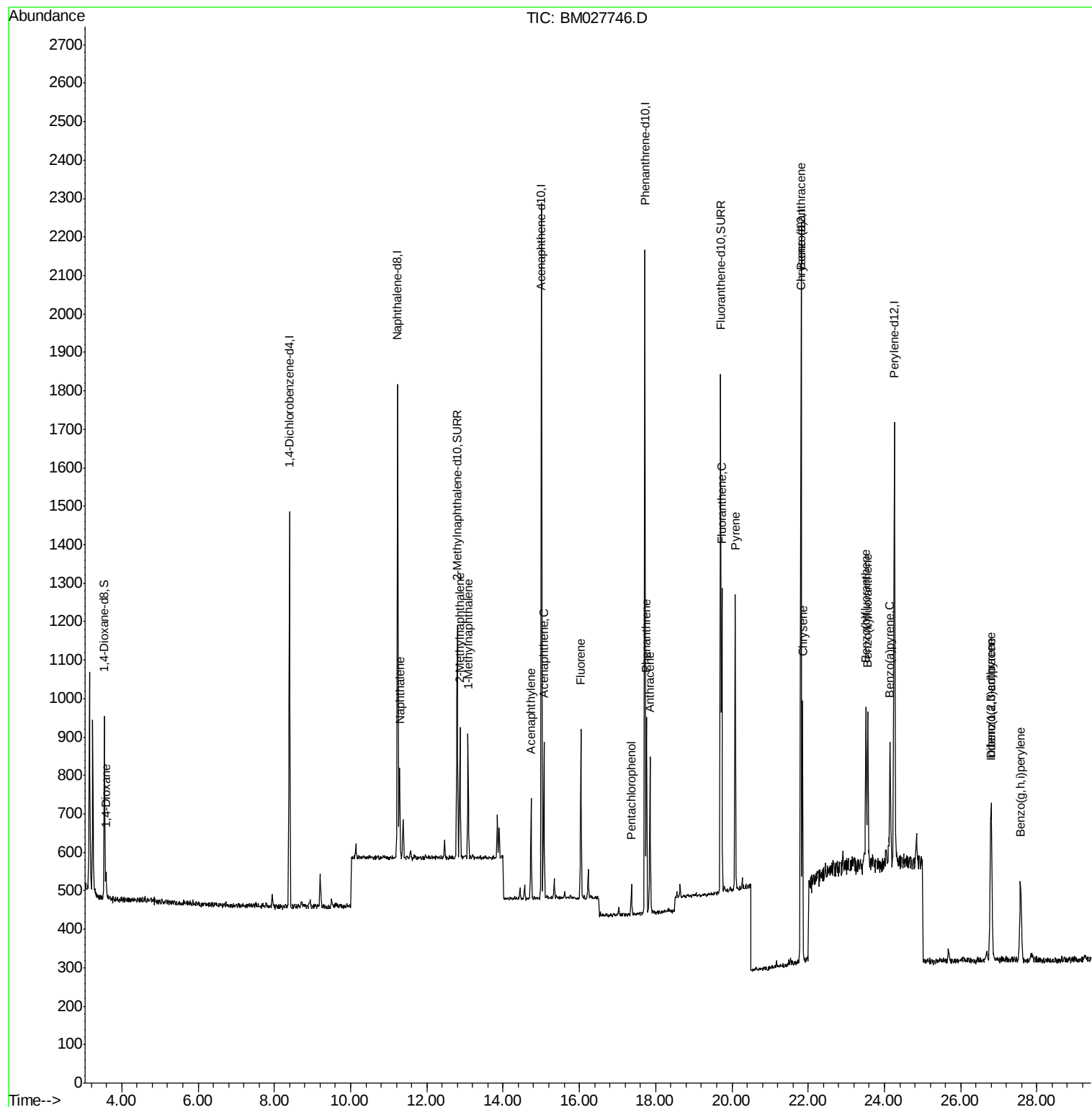
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	486	0.40	ng/ul	0.00
4) Naphthalene-d8	11.23	136	1605	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.00	164	993	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	2153	0.40	ng/ul	0.00
19) Chrysene-d12	21.81	240	1794	0.40	ng/ul	0.00
23) Perylene-d12	24.26	264	1598	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	278	0.56	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.79	152	718	0.27	ng/ul	0.00
17) Fluoranthene-d10	19.70	212	1545	0.27	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.59	88	43	0.080	ng/ul	91
5) Naphthalene	11.28	128	320	0.070	ng/ul#	69
7) 2-Methylnaphthalene	12.87	142	214	0.068	ng/ul	98
8) 1-Methylnaphthalene	13.09	142	215	0.073	ng/ul	93
10) Acenaphthylene	14.73	152	290	0.065	ng/ul#	70
11) Acenaphthene	15.07	153	222	0.066	ng/ul#	90
12) Fluorene	16.04	166	269	0.068	ng/ul#	95
14) Pentachlorophenol	17.36	266	57	0.080	ng/ul	97
15) Phenanthrene	17.76	178	499	0.079	ng/ul#	88
16) Anthracene	17.85	178	431	0.070	ng/ul#	78
18) Fluoranthene	19.73	202	712	0.097	ng/ul#	85
20) Pyrene	20.09	202	679	0.097	ng/ul#	86
21) Benzo(a)anthracene	21.80	228	583	0.089	ng/ul#	90
22) Chrysene	21.85	228	605	0.090	ng/ul#	89
24) Benzo(b)fluoranthene	23.51	252	605	0.094	ng/ul#	71
25) Benzo(k)fluoranthene	23.56	252	563	0.088	ng/ul#	70
26) Benzo(a)pyrene	24.15	252	498	0.086	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.78	276	566	0.083	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.81	278	447	0.079	ng/ul#	63
29) Benzo(g,h,i)perylene	27.56	276	487	0.085	ng/ul#	71

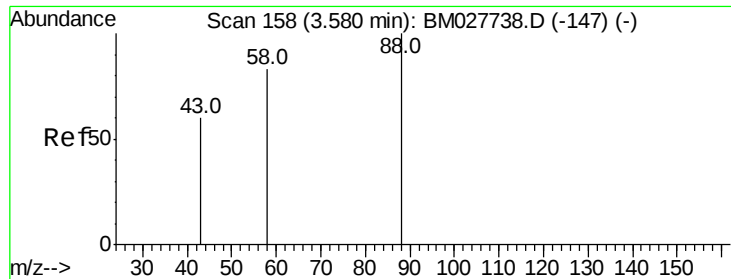
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 06:55:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 07 02:24:33 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.080 ng/ul

RT: 3.59 min Scan# 160

Delta R.T. 0.01 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

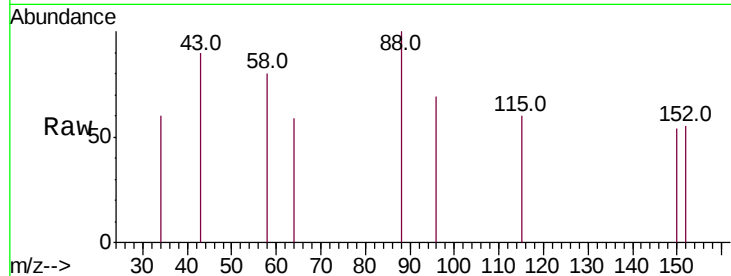
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 89.7 61.8 92.6

58 80.5 67.8 101.8

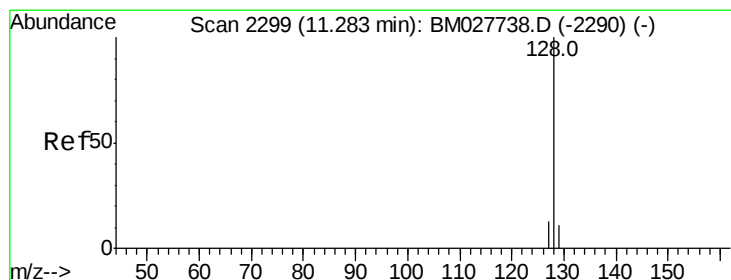
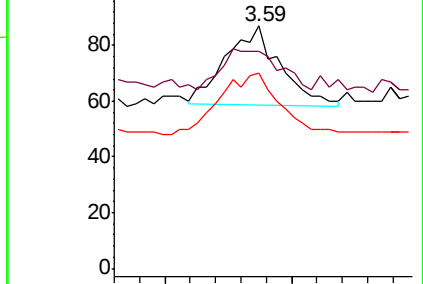
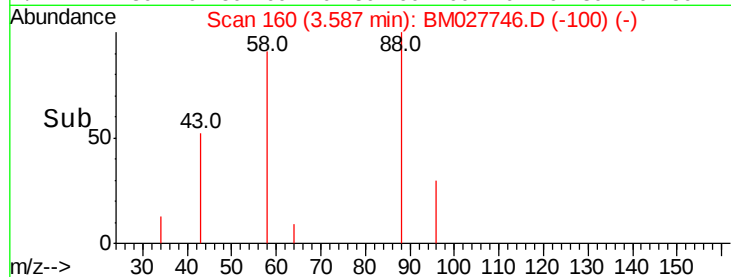


Abundance Ion 88.00 (87.70 to 88.70): BM027738.D (-147) (-)

Ion 43.00 (42.70 to 43.70): BM027738.D (-147) (-)

Ion 58.00 (57.70 to 58.70): BM027738.D (-147) (-)

Time-->



#5

Naphthalene

Concen: 0.070 ng/ul

RT: 11.28 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

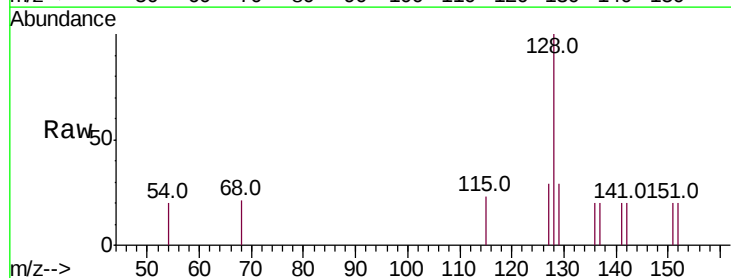
Tgt Ion: 128 Resp: 320

Ion Ratio Lower Upper

128 100

129 29.4 11.7 17.5#

127 28.9 14.0 21.0#

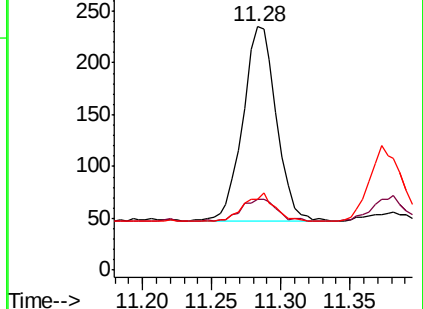
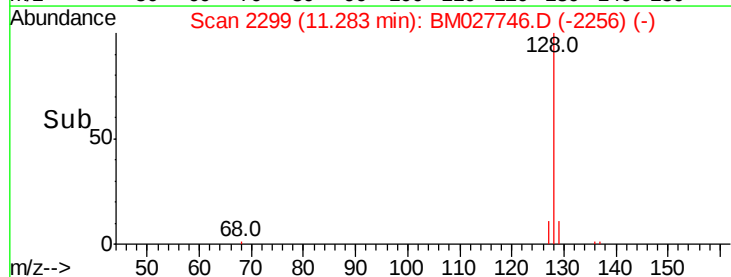


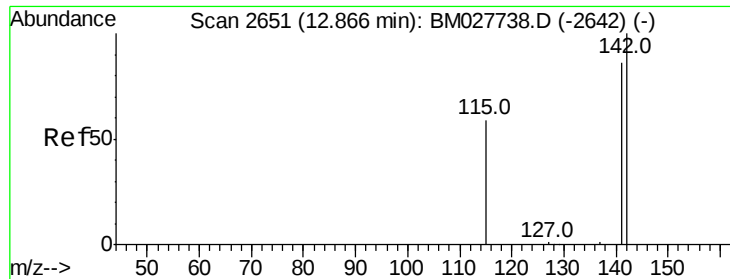
Abundance Ion 128.00 (127.70 to 128.70): BM027738.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027738.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027738.D (-2290) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.87 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

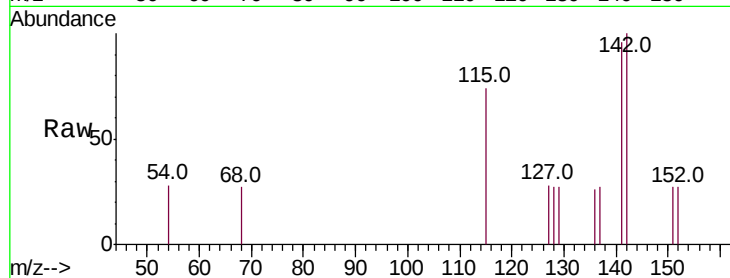
MDL-WATER-07

Tot Ion:142 Resp: 214

Ion Ratio Lower Upper

142 100

141 91.1 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

200

150

100

50

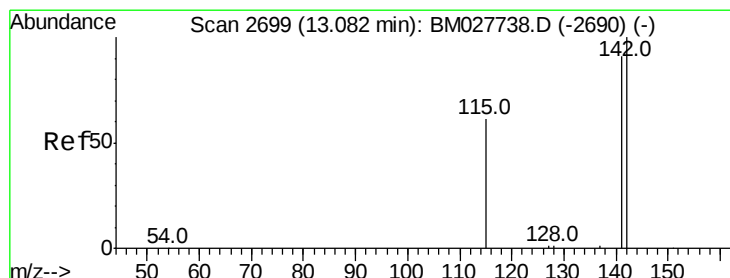
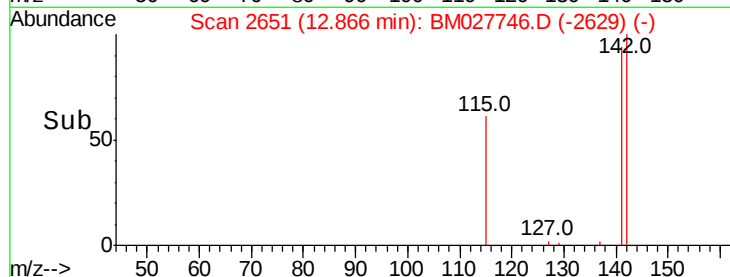
0

Time-->

12.80

12.85

12.90



#8

1-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BM027746.D

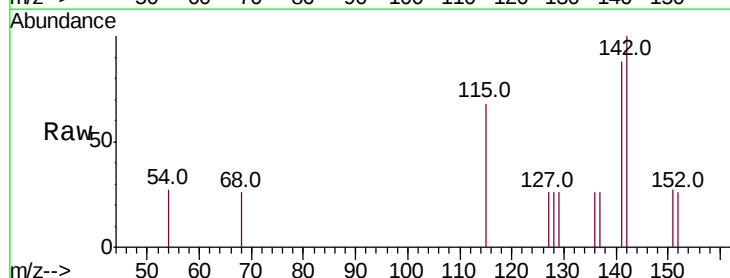
Acq: 07 Nov 2020 06:24

Tgt Ion:142 Resp: 215

Ion Ratio Lower Upper

142 100

141 86.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.09

200

150

100

50

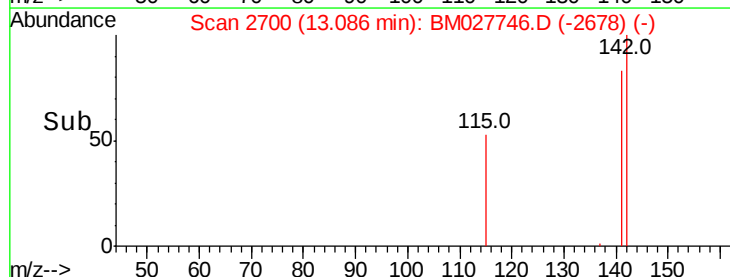
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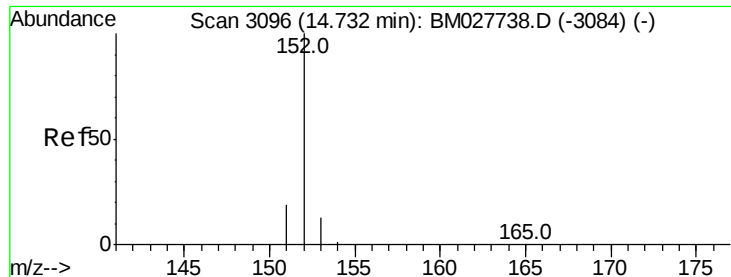
Time-->

13.05

13.10

13.15





#10

Acenaphthylene

Concen: 0.065 ng/ul

RT: 14.73 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

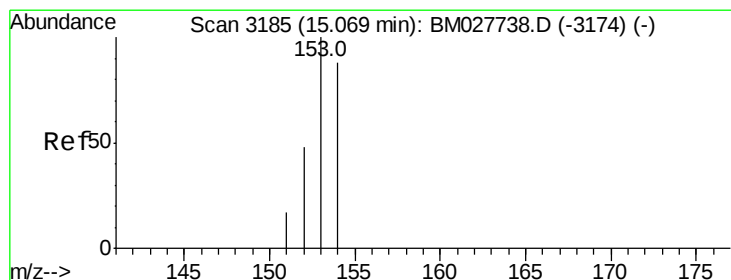
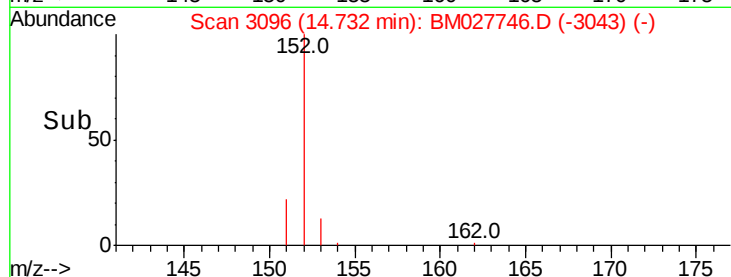
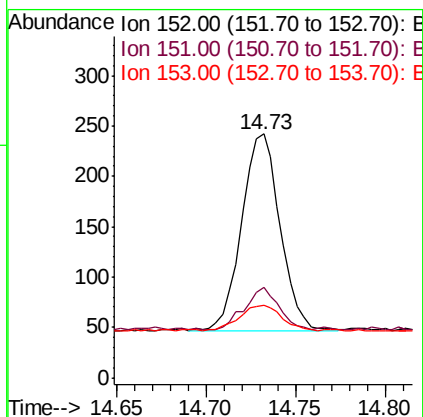
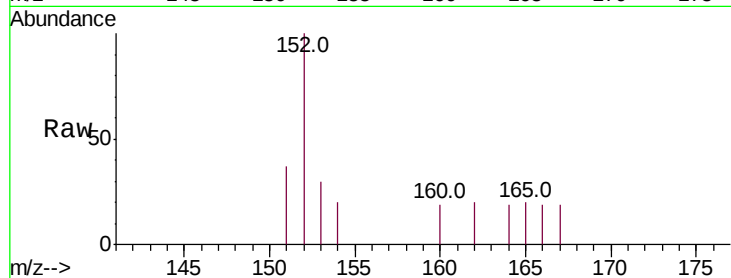
Tot Ion:152 Resp: 290

Ion Ratio Lower Upper

152 100

151 37.2 17.8 26.8#

153 29.8 13.5 20.3#



#11

Acenaphthene

Concen: 0.066 ng/ul

RT: 15.07 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

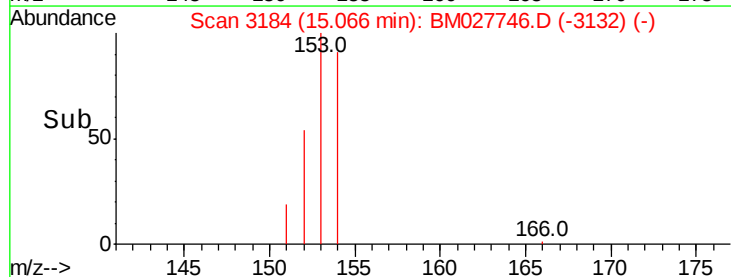
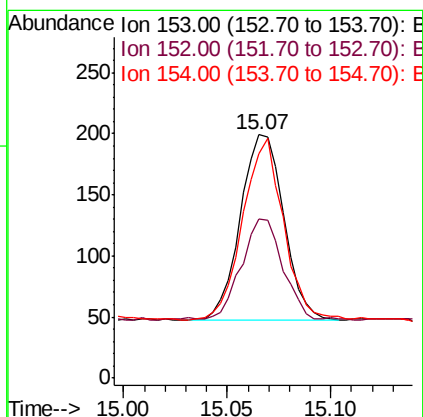
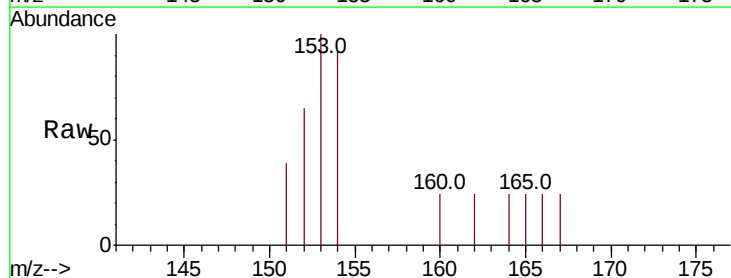
Tgt Ion:153 Resp: 222

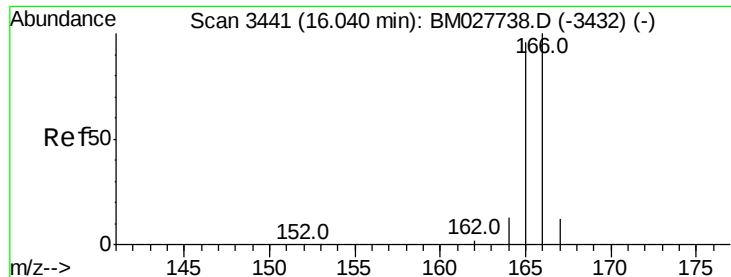
Ion Ratio Lower Upper

153 100

152 65.3 40.6 60.8#

154 92.5 71.0 106.4





#12

Fluorene

Concen: 0.068 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

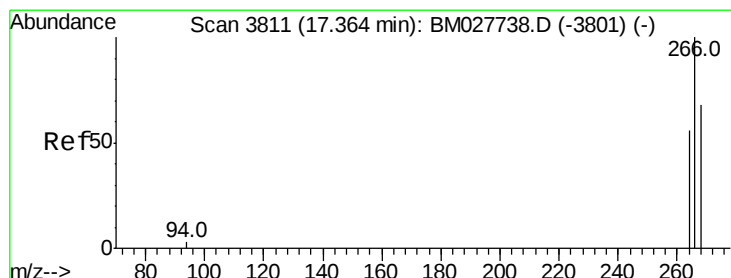
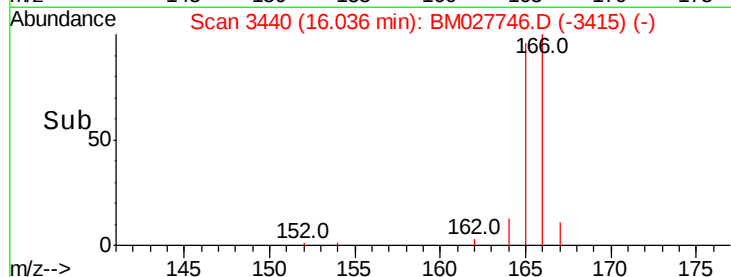
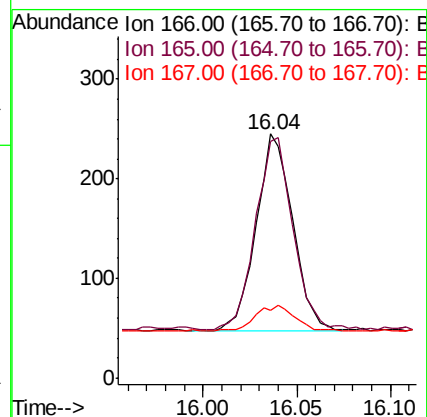
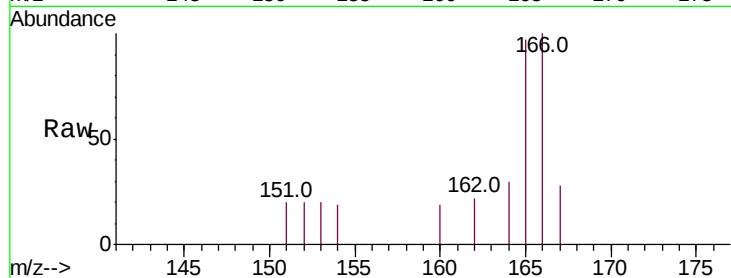
Tot Ion:166 Resp: 269

Ion Ratio Lower Upper

166 100

165 97.1 76.2 114.4

167 27.8 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.080 ng/ul

RT: 17.36 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

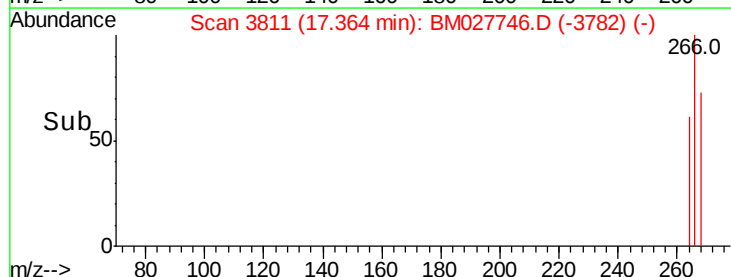
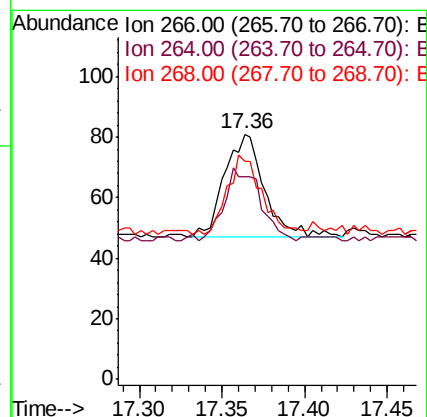
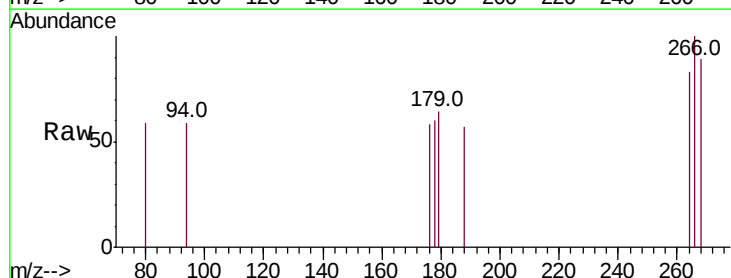
Tgt Ion:266 Resp: 57

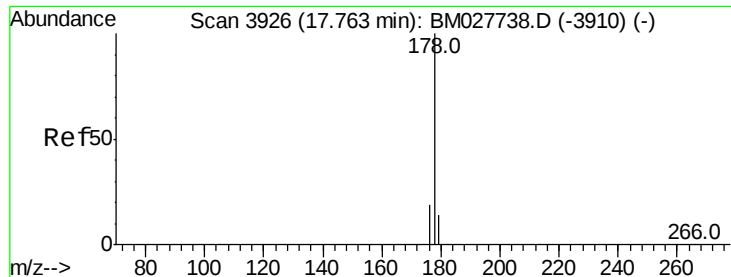
Ion Ratio Lower Upper

266 100

264 63.2 48.2 72.4

268 64.9 53.4 80.0





#15

Phenanthrene

Concen: 0.079 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

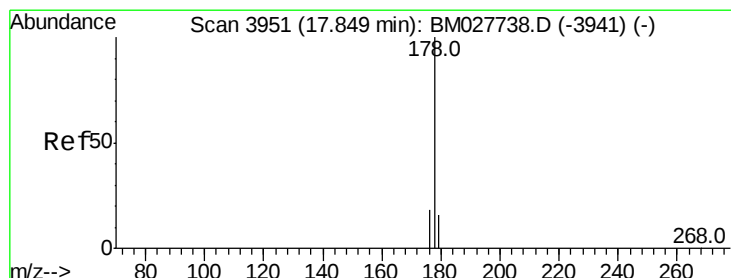
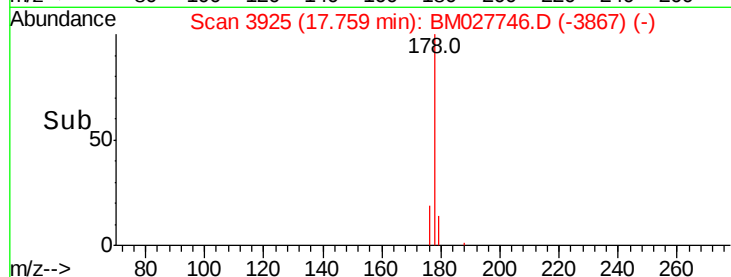
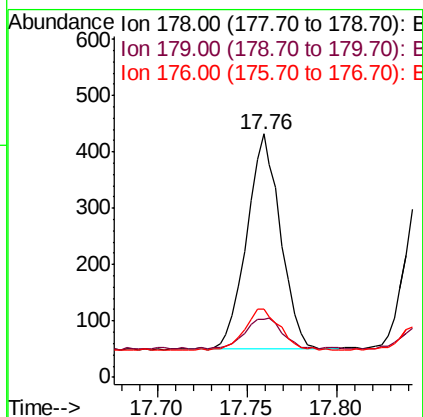
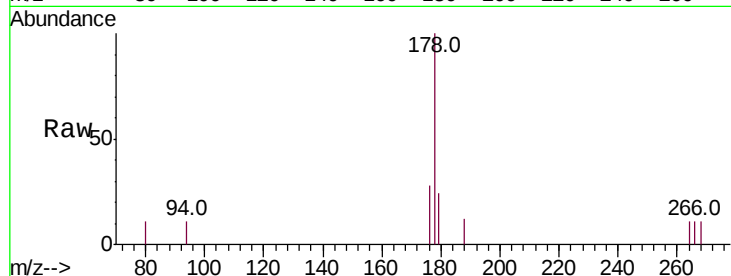
Tot Ion:178 Resp: 499

Ion Ratio Lower Upper

178 100

179 23.6 14.6 22.0#

176 28.2 18.2 27.2#



#16

Anthracene

Concen: 0.070 ng/ul

RT: 17.85 min Scan# 3951

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

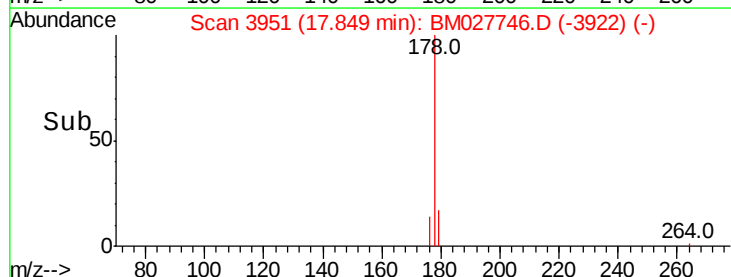
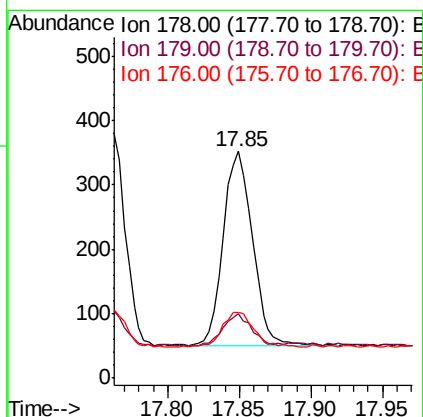
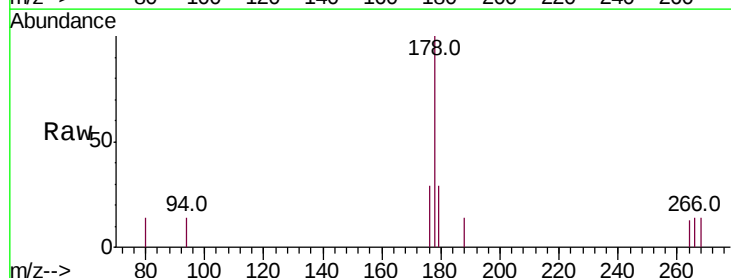
Tgt Ion:178 Resp: 431

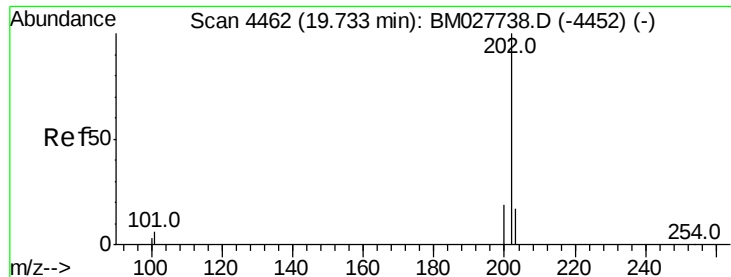
Ion Ratio Lower Upper

178 100

179 28.7 14.1 21.1#

176 29.3 16.3 24.5#





#18

Fluoranthene

Concen: 0.097 ng/ul

RT: 19.73 min Scan# 4462

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

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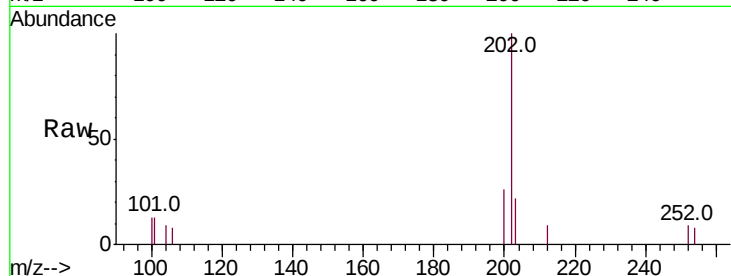
Tot Ion:202 Resp: 712

Ion Ratio Lower Upper

202 100

101 12.7 6.1 9.1#

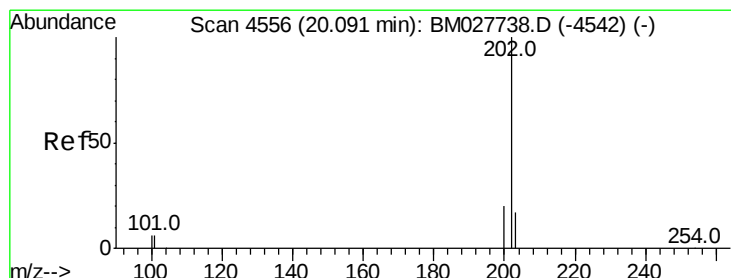
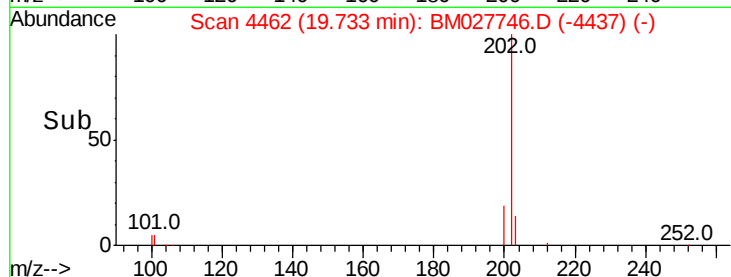
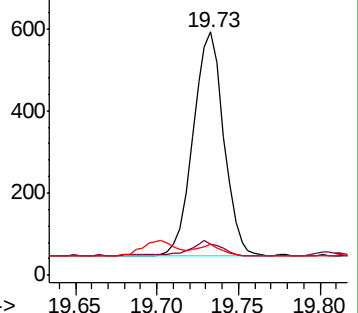
100 12.8 5.8 8.6#



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



#20

Pyrene

Concen: 0.097 ng/ul

RT: 20.09 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

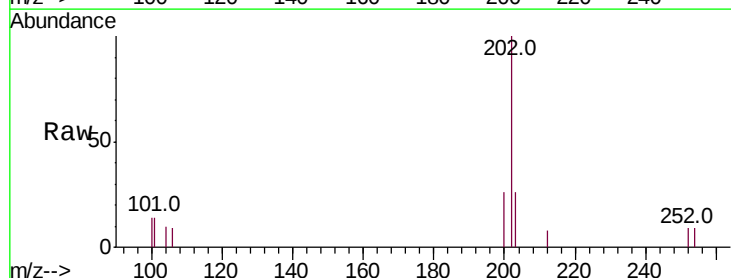
Tgt Ion:202 Resp: 679

Ion Ratio Lower Upper

202 100

101 13.8 7.4 11.0#

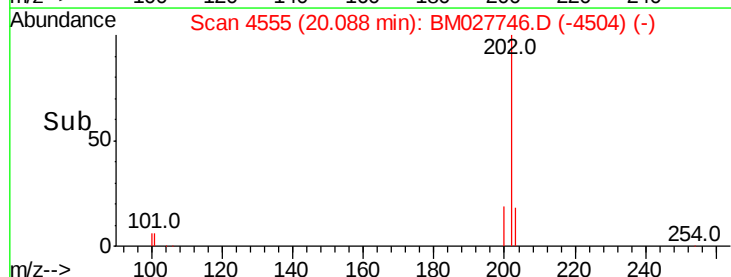
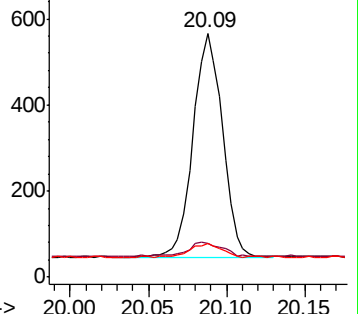
100 13.8 6.6 9.8#

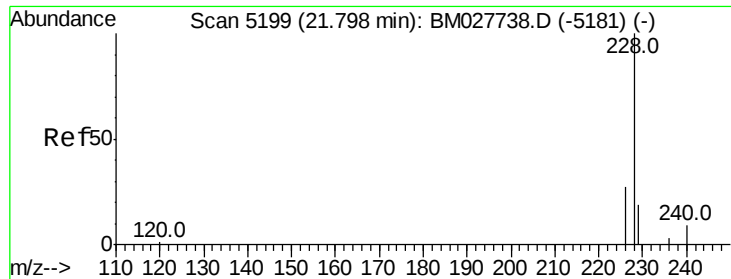


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.089 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

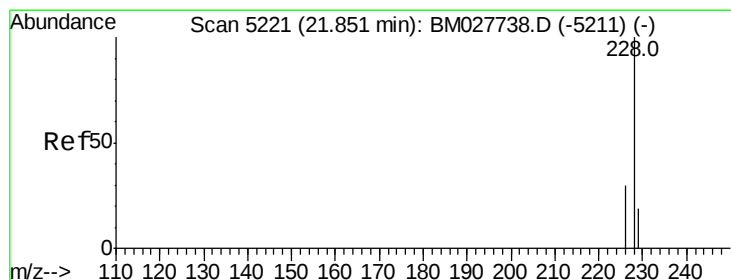
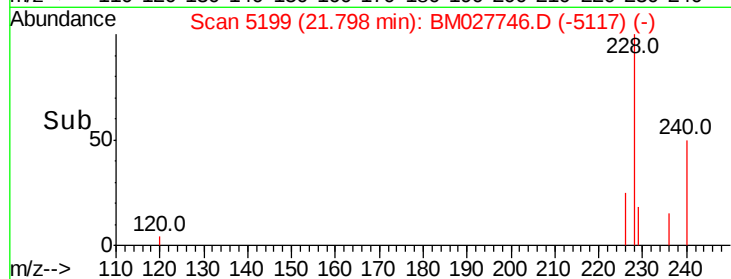
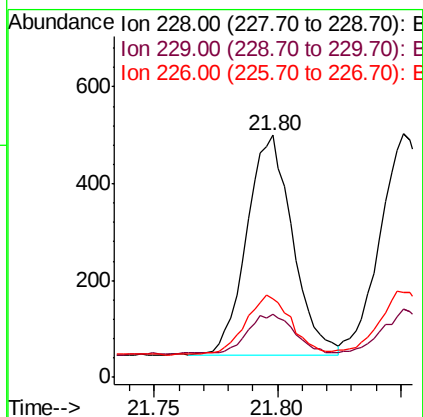
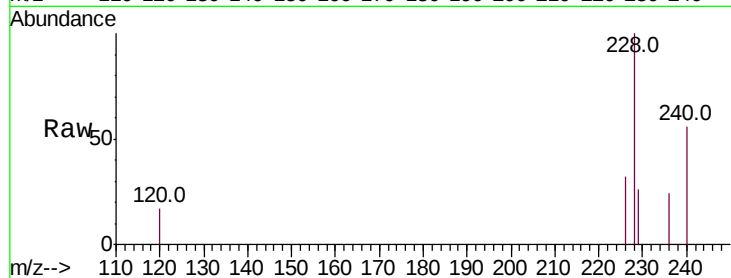
Tot Ion:228 Resp: 583

Ion Ratio Lower Upper

228 100

229 26.0 17.0 25.4#

226 32.2 22.0 33.0



#22

Chrysene

Concen: 0.090 ng/ul

RT: 21.85 min Scan# 5221

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

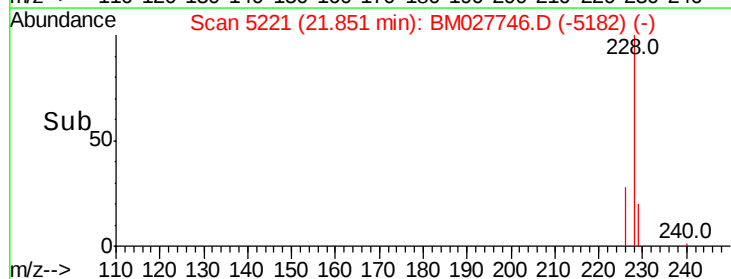
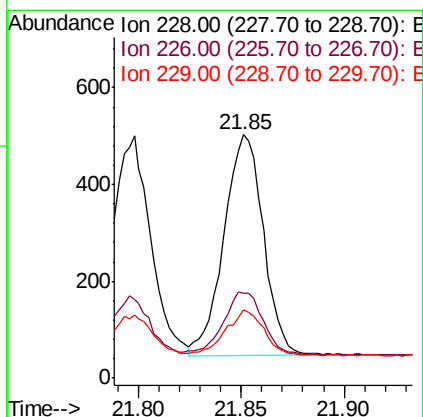
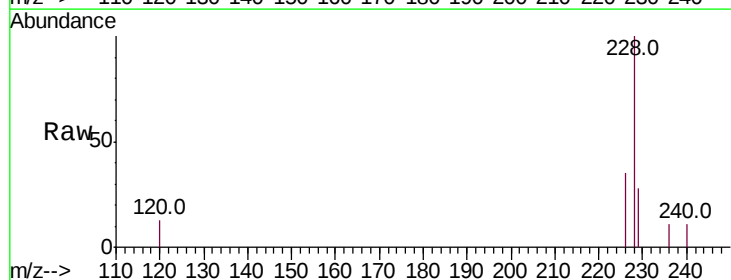
Tgt Ion:228 Resp: 605

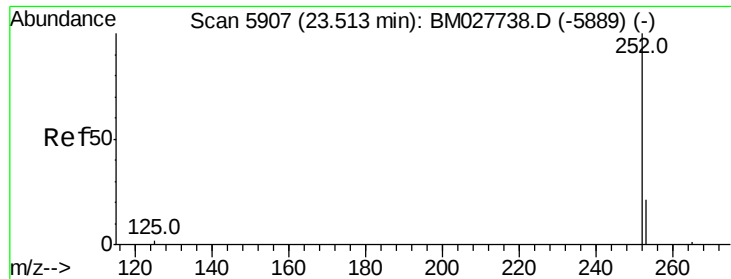
Ion Ratio Lower Upper

228 100

226 34.8 24.0 36.0

229 28.0 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.094 ng/ul

RT: 23.51 min Scan# 5906

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

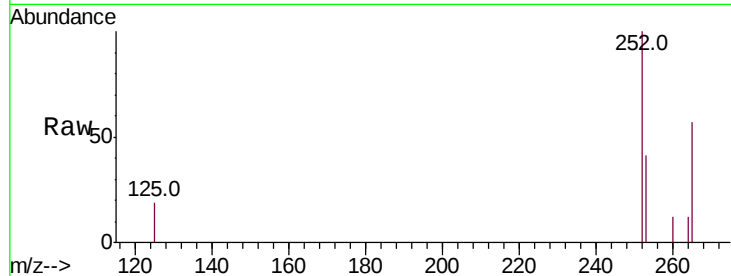
Tot Ion:252 Resp: 605

Ion Ratio Lower Upper

252 100

253 41.2 0.0 53.0

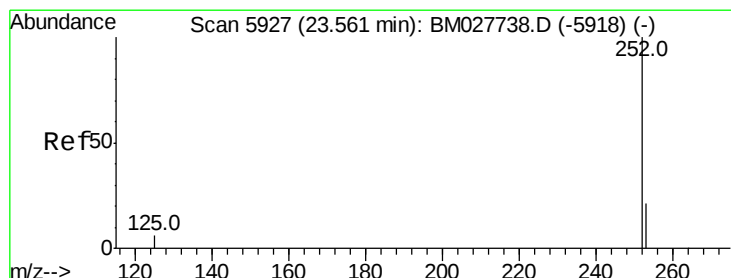
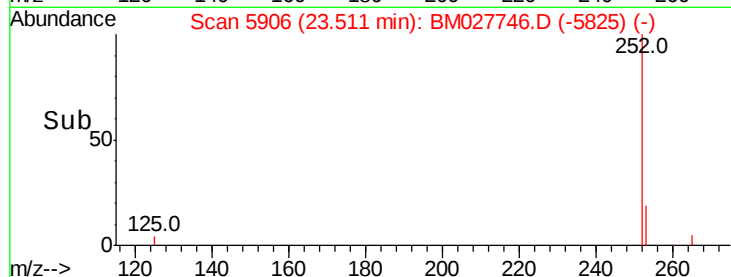
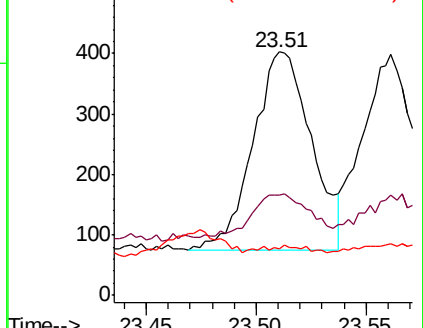
125 19.4 0.0 17.6#



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: 0.088 ng/ul

RT: 23.56 min Scan# 5927

Delta R.T. -0.01 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

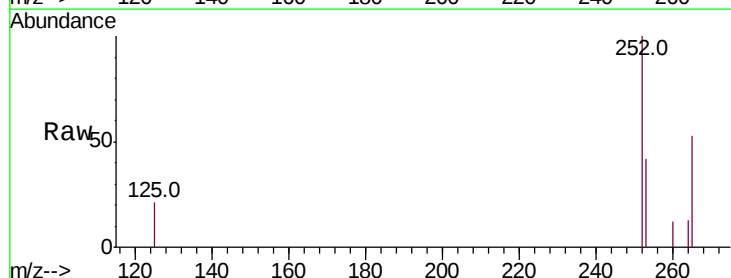
Tgt Ion:252 Resp: 563

Ion Ratio Lower Upper

252 100

253 41.9 21.4 32.2#

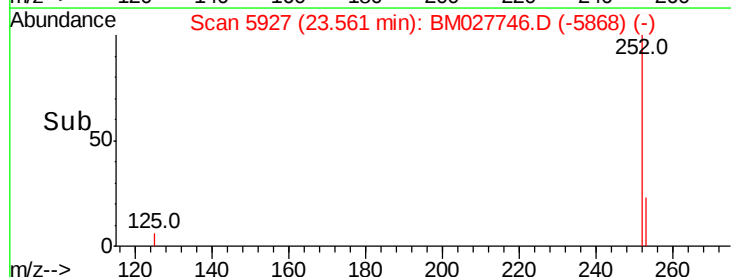
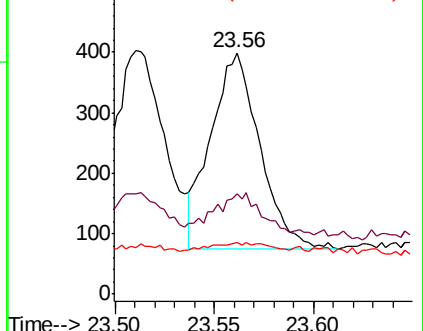
125 21.3 7.4 11.0#

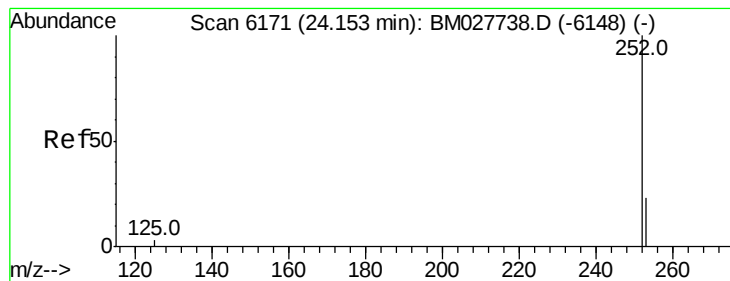


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

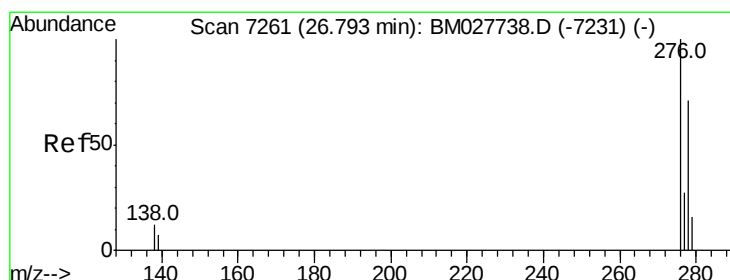
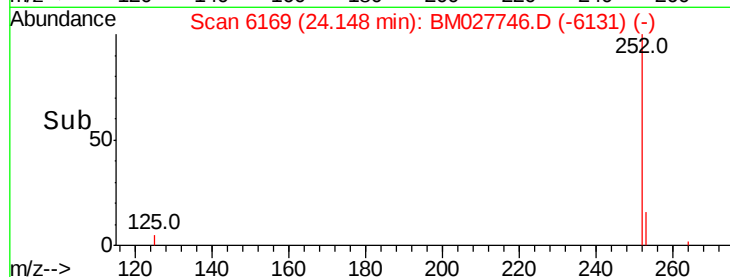
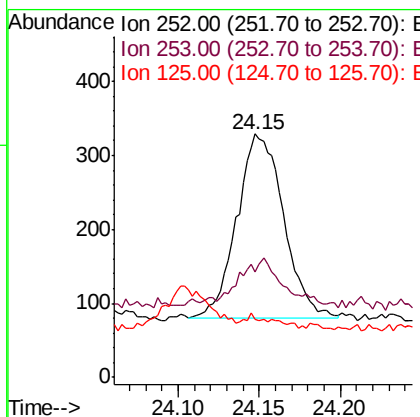
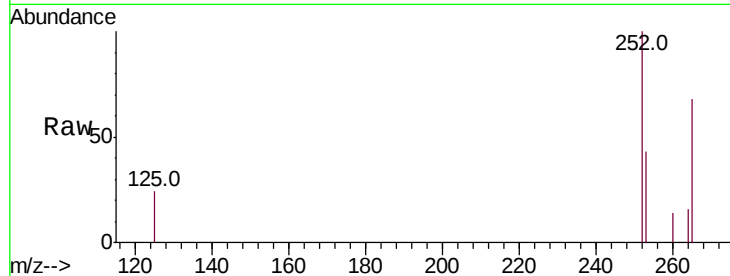




#26
Benzo(a)pyrene
Concen: 0.086 ng/u1
RT: 24.15 min Scan# 6169
Delta R.T. -0.01 min
Lab File: BM027746.D
Acq: 07 Nov 2020 06:24

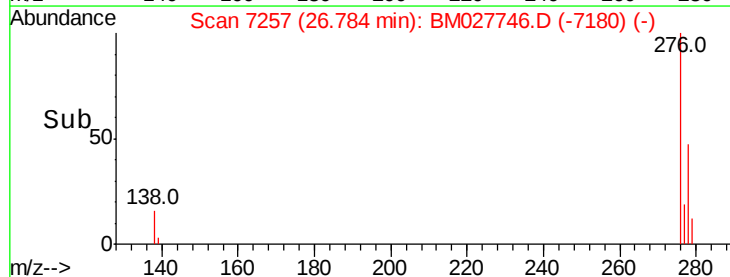
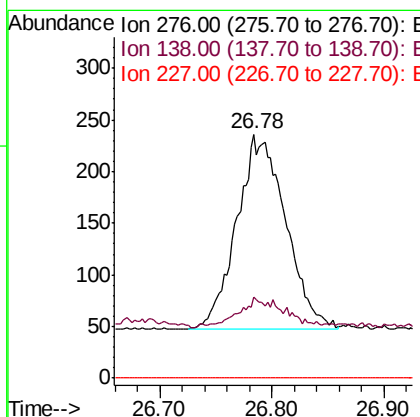
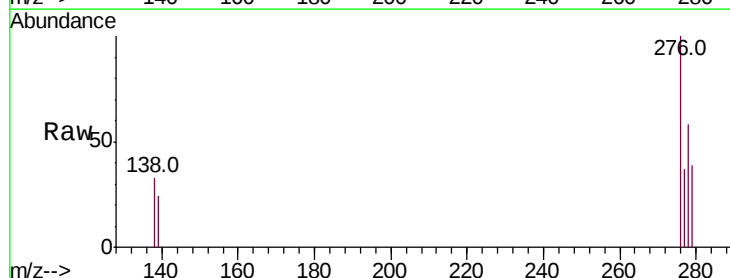
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-07

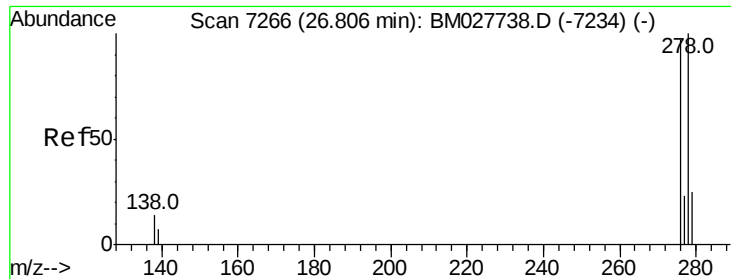
Tot Ion:252 Resp: 498
Ion Ratio Lower Upper
252 100
253 43.2 22.3 33.5#
125 23.7 8.8 13.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.083 ng/u1
RT: 26.78 min Scan# 7257
Delta R.T. -0.01 min
Lab File: BM027746.D
Acq: 07 Nov 2020 06:24

Tgt Ion:276 Resp: 566
Ion Ratio Lower Upper
276 100
138 12.7 11.0 16.6
227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.079 ng/ul

RT: 26.81 min Scan# 7266

Delta R.T. -0.00 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

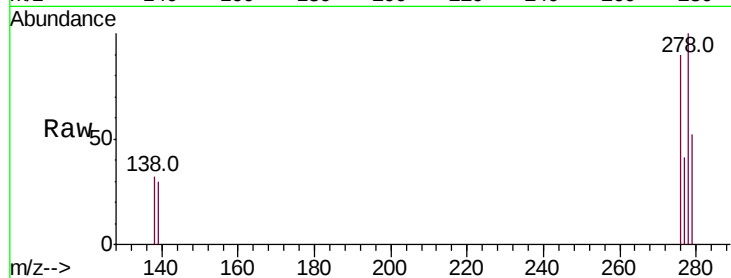
Tot Ion:278 Resp: 447

Ion Ratio Lower Upper

278 100

139 29.7 12.6 18.8#

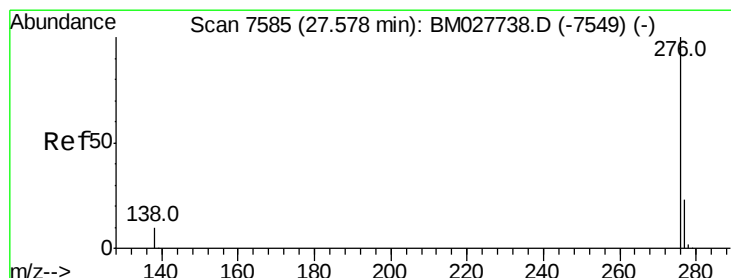
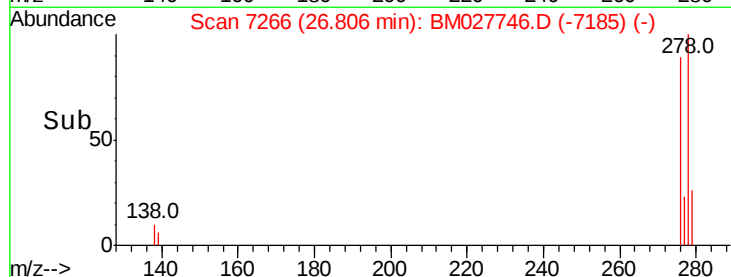
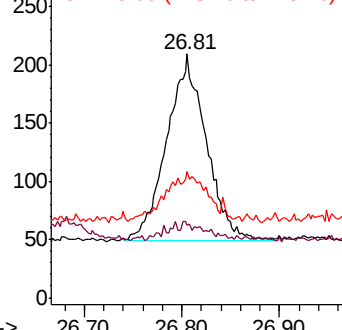
279 51.7 24.3 36.5#



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



#29

Benzo(g,h,i)perylene

Concen: 0.085 ng/ul

RT: 27.56 min Scan# 7579

Delta R.T. -0.02 min

Lab File: BM027746.D

Acq: 07 Nov 2020 06:24

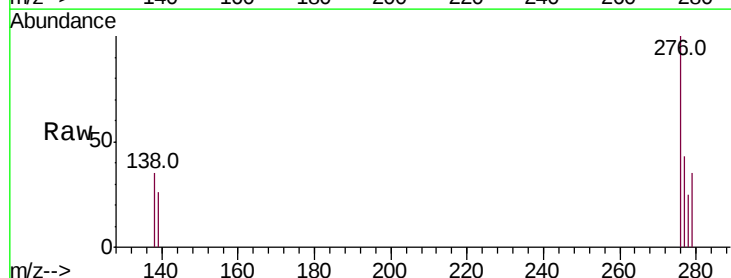
Tgt Ion:276 Resp: 487

Ion Ratio Lower Upper

276 100

138 35.0 15.0 22.4#

277 43.1 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

