

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027721.D
 Acq On : 05 Nov 2020 16:50
 Operator : JU/CG
 Sample : L4485-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-02

Quant Time: Nov 05 17:23:51 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 : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

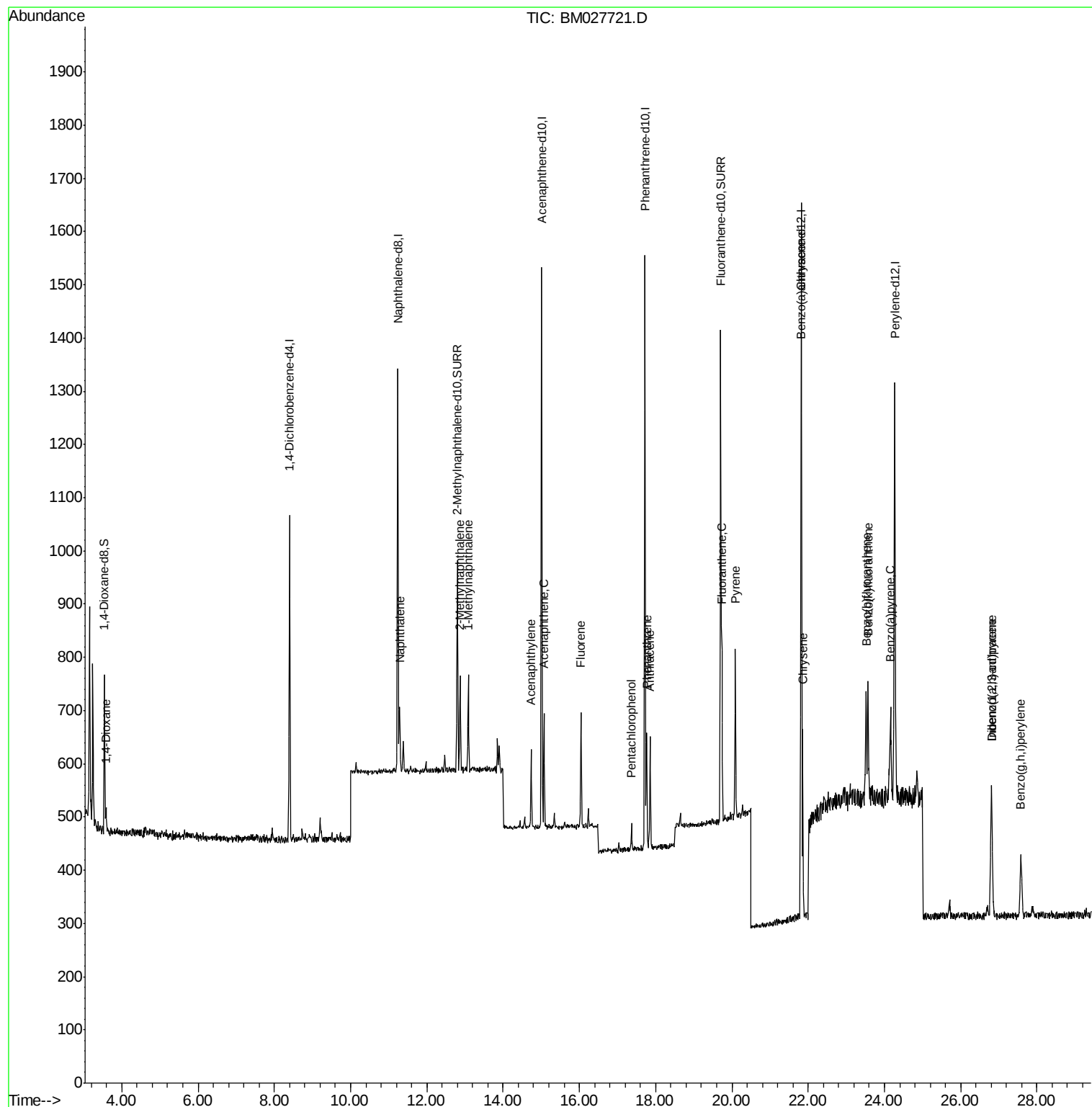
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	290	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1000	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	603	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1353	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1229	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1139	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	160	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	470	0.28	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	1065	0.29	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.59	88	24	0.075	ng/ul#	84
5) Naphthalene	11.29	128	167	0.059	ng/ul#	40
7) 2-Methylnaphthalene	12.87	142	114	0.058	ng/ul	100
8) 1-Methylnaphthalene	13.09	142	107	0.058	ng/ul	99
10) Acenaphthylene	14.74	152	160	0.059	ng/ul#	50
11) Acenaphthene	15.07	153	122	0.060	ng/ul#	92
12) Fluorene	16.04	166	138	0.057	ng/ul#	86
14) Pentachlorophenol	17.37	266	34	0.076	ng/ul#	88
15) Phenanthrene	17.76	178	217	0.055	ng/ul#	60
16) Anthracene	17.85	178	215	0.055	ng/ul#	58
18) Fluoranthene	19.74	202	285	0.062	ng/ul#	55
20) Pyrene	20.09	202	286	0.060	ng/ul#	59
21) Benzo(a)anthracene	21.80	228	301	0.067	ng/ul#	75
22) Chrysene	21.86	228	305	0.066	ng/ul#	81
24) Benzo(b)fluoranthene	23.52	252	308	0.067	ng/ul#	45
25) Benzo(k)fluoranthene	23.57	252	281	0.062	ng/ul#	46
26) Benzo(a)pyrene	24.16	252	276	0.067	ng/ul#	39
27) Indeno(1,2,3-cd)pyrene	26.81	276	309	0.063	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.81	278	259	0.064	ng/ul#	35
29) Benzo(a,h,i)perylene	27.58	276	264	0.064	ng/ul#	55

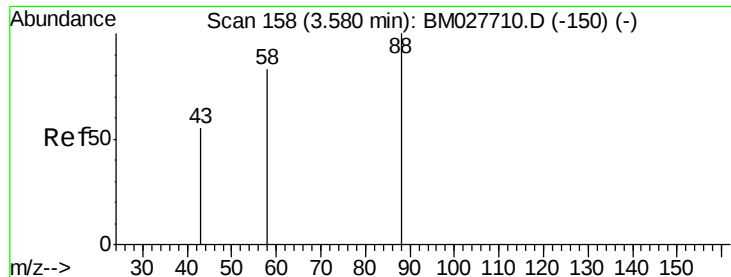
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.075 ng/ul

RT: 3.59 min Scan# 161

Delta R.T. 0.01 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

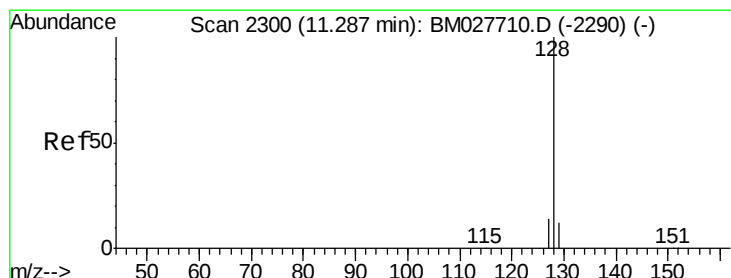
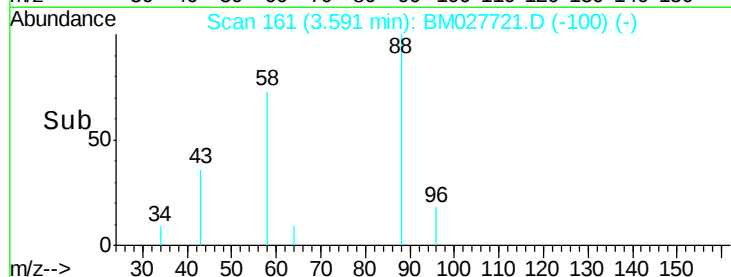
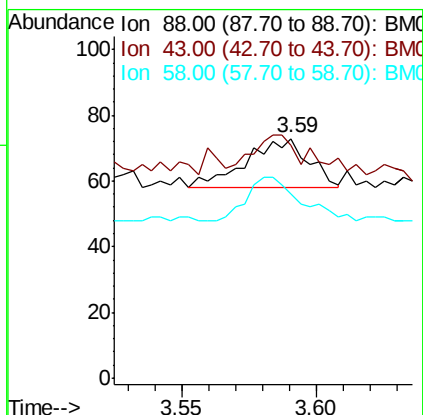
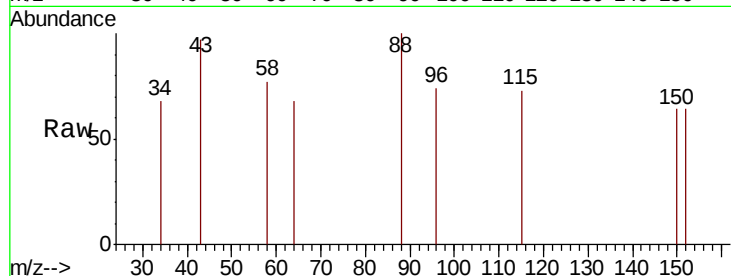
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 97.3 61.8 92.6#

58 76.7 67.8 101.8



#5

Naphthalene

Concen: 0.059 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

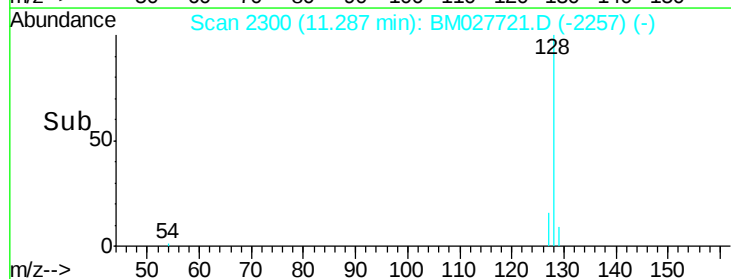
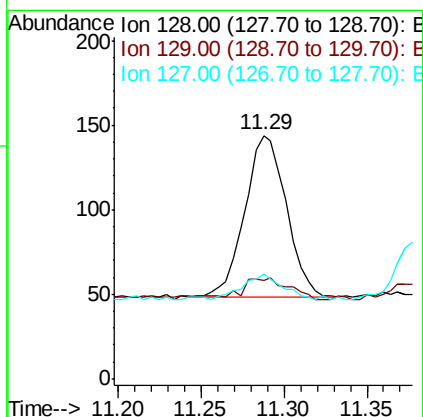
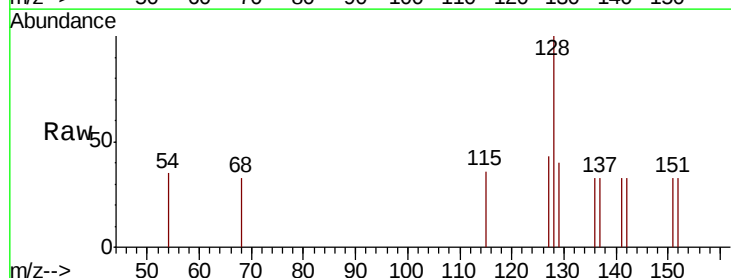
Tgt Ion: 128 Resp: 167

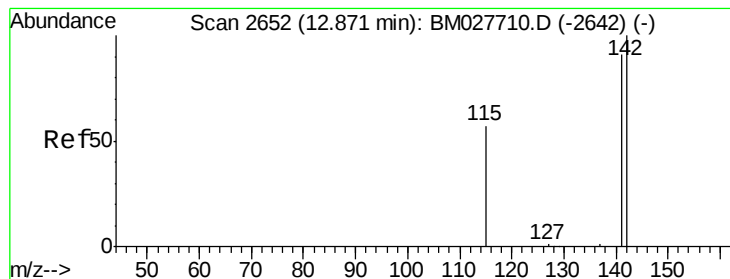
Ion Ratio Lower Upper

128 100

129 40.3 11.7 17.5#

127 43.1 14.0 21.0#





#7

2-Methylnaphthalene

Concen: 0.058 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

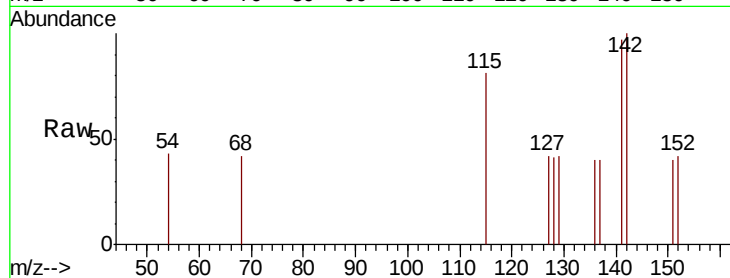
MDL-WATER-02

Tot Ion:142 Resp: 114

Ion Ratio Lower Upper

142 100

141 88.6 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

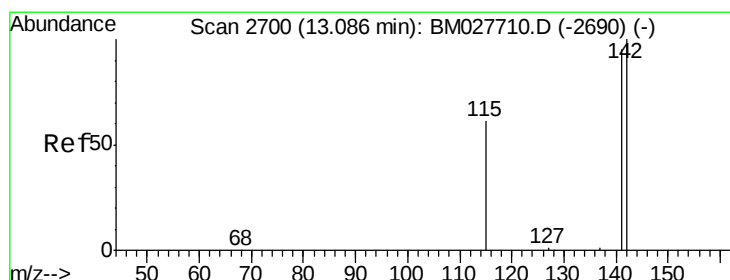
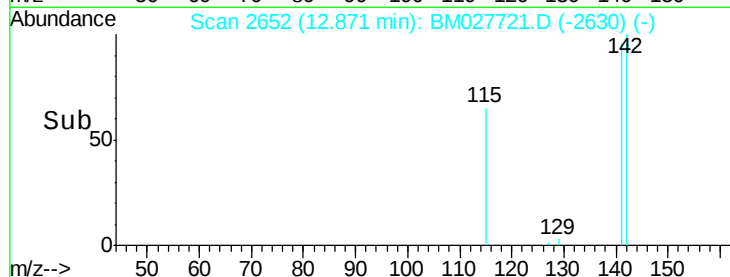
12.87

100

50

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.058 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027721.D

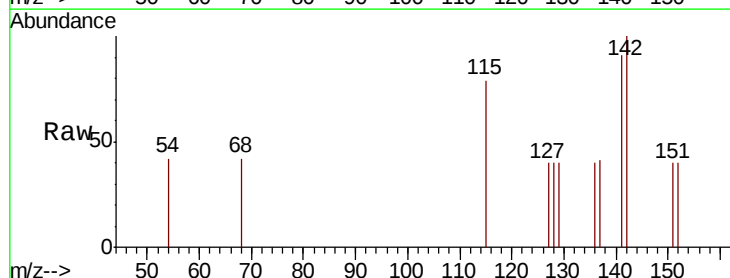
Acq: 05 Nov 2020 16:50

Tgt Ion:142 Resp: 107

Ion Ratio Lower Upper

142 100

141 93.5 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

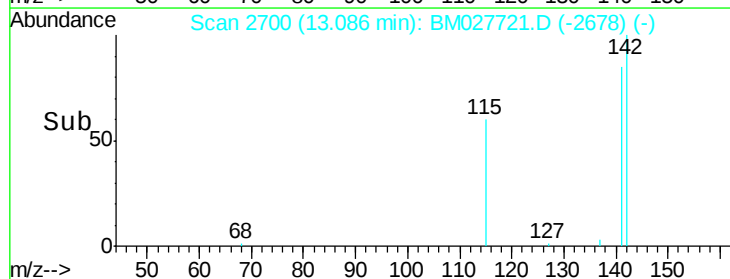
13.09

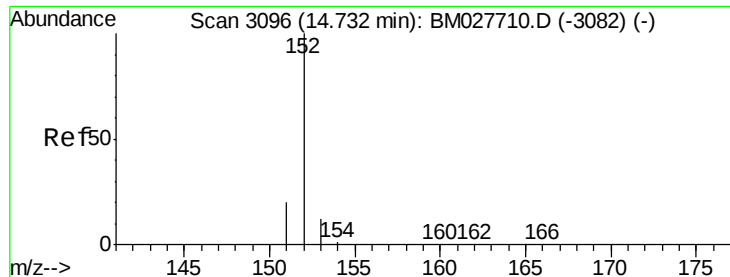
100

50

0

Time-->





#10

Acenaphthylene

Concen: 0.059 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

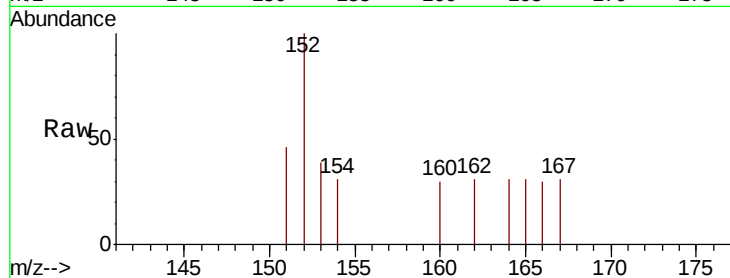
Tot Ion:152 Resp: 160

Ion Ratio Lower Upper

152 100

151 45.5 17.8 26.8#

153 39.1 13.5 20.3#



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

14.74

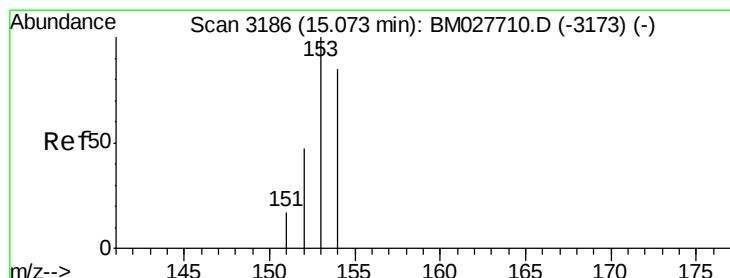
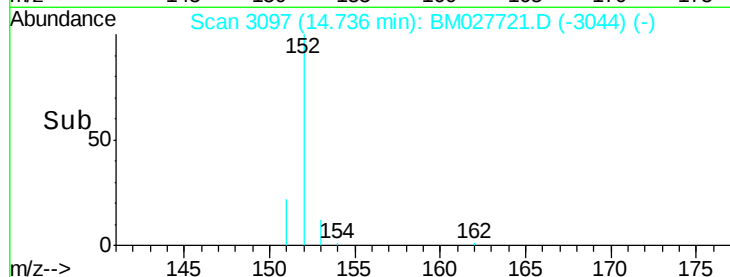
150

100

50

0

Time-->



#11

Acenaphthene

Concen: 0.060 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

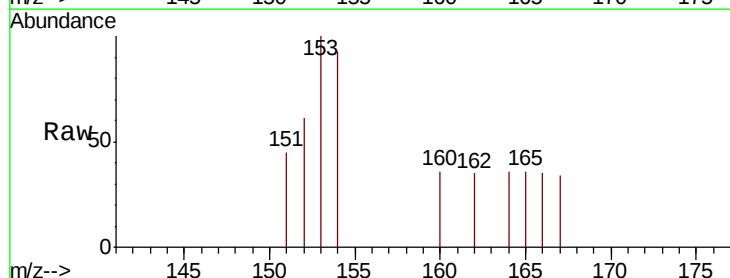
Tgt Ion:153 Resp: 122

Ion Ratio Lower Upper

153 100

152 61.5 40.6 60.8#

154 92.6 71.0 106.4



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

15.07

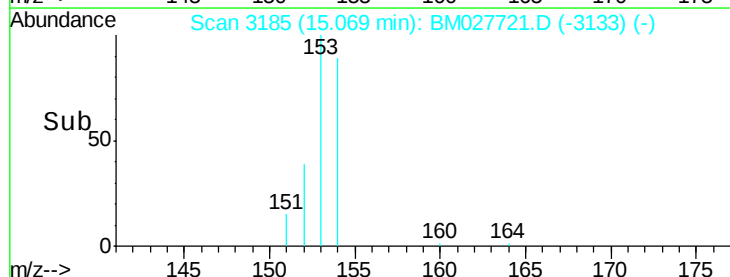
150

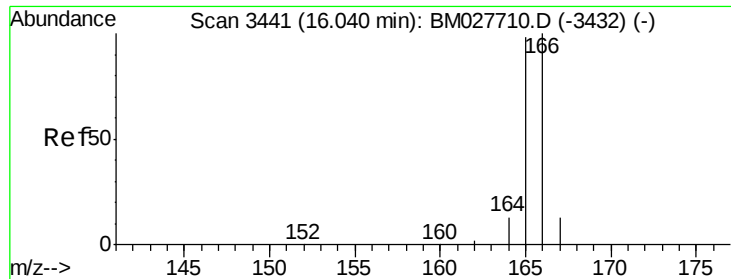
100

50

0

Time-->





#12

Fluorene

Concen: 0.057 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

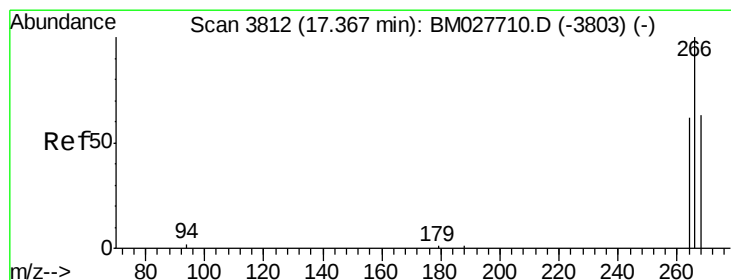
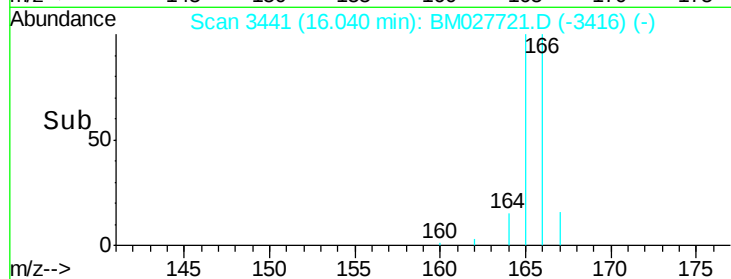
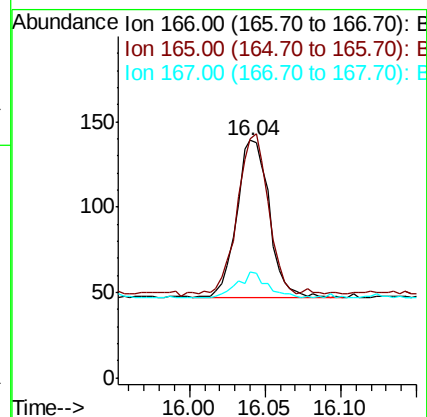
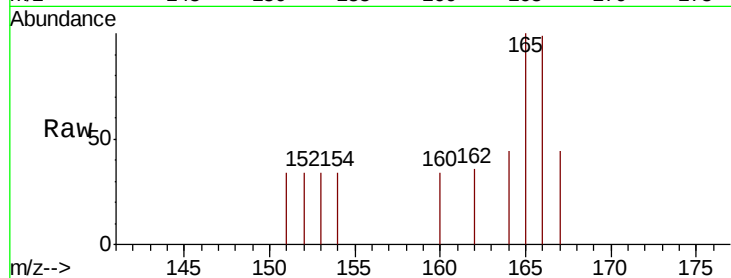
Tot Ion:166 Resp: 138

Ion Ratio Lower Upper

166 100

165 100.7 76.2 114.4

167 44.6 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.076 ng/ul

RT: 17.37 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

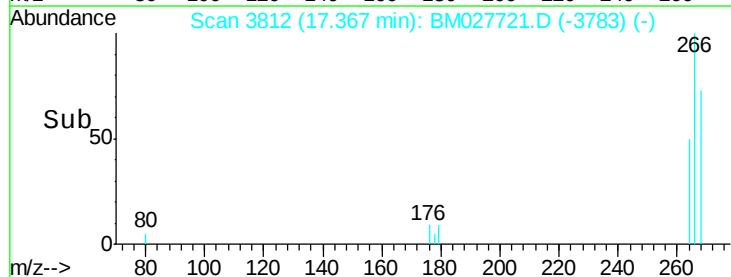
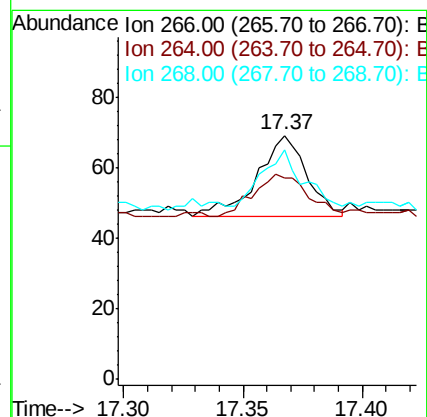
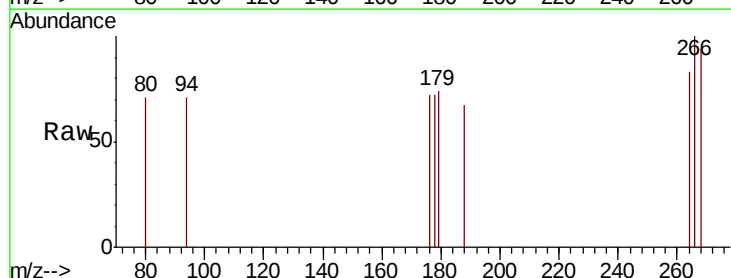
Tgt Ion:266 Resp: 34

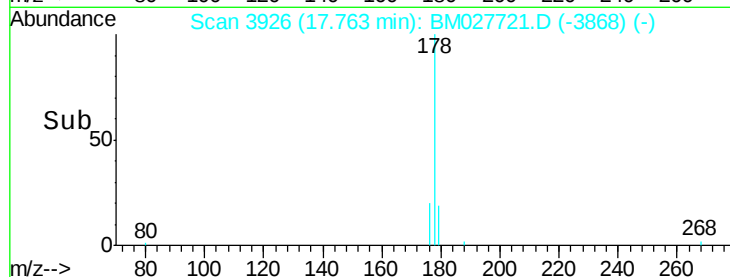
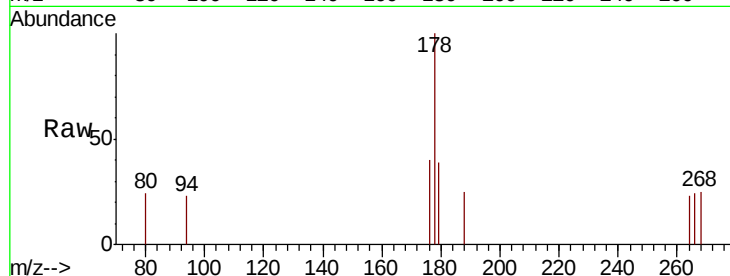
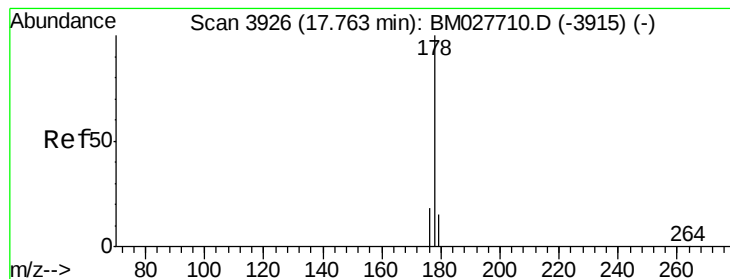
Ion Ratio Lower Upper

266 100

264 55.9 48.2 72.4

268 52.9 53.4 80.0#





#15

Phenanthrene

Concen: 0.055 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

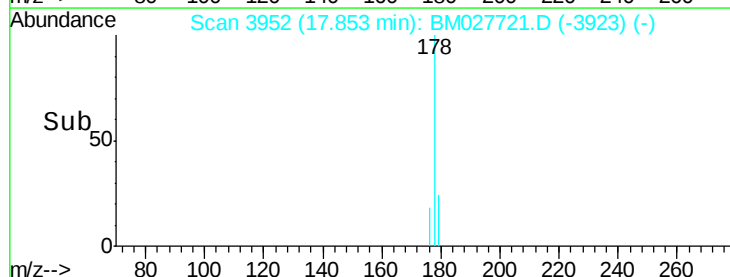
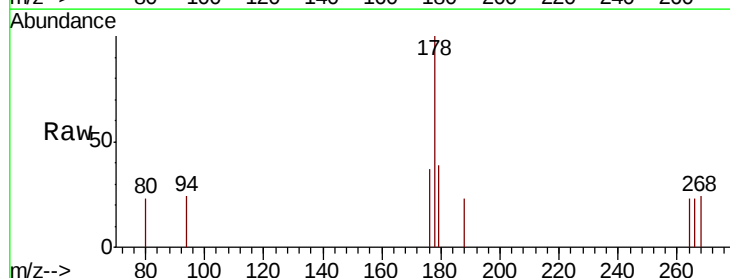
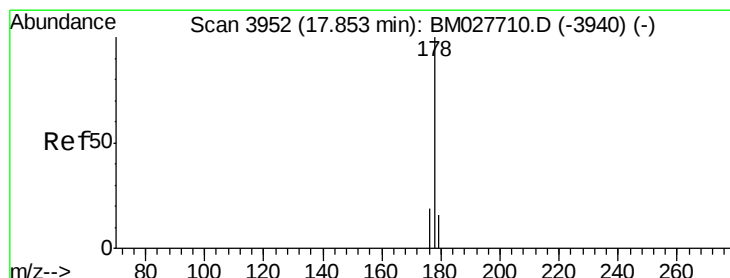
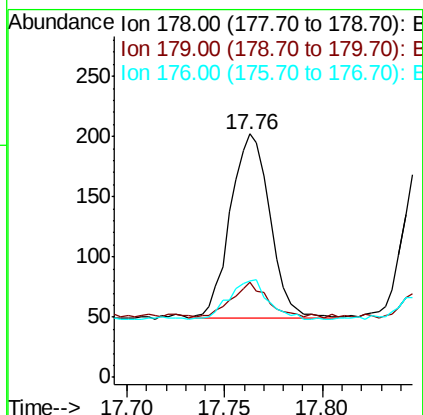
Tot Ion:178 Resp: 217

Ion Ratio Lower Upper

178 100

179 39.1 14.6 22.0#

176 39.6 18.2 27.2#



#16

Anthracene

Concen: 0.055 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

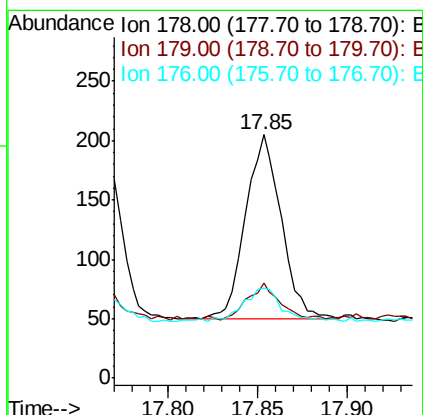
Tgt Ion:178 Resp: 215

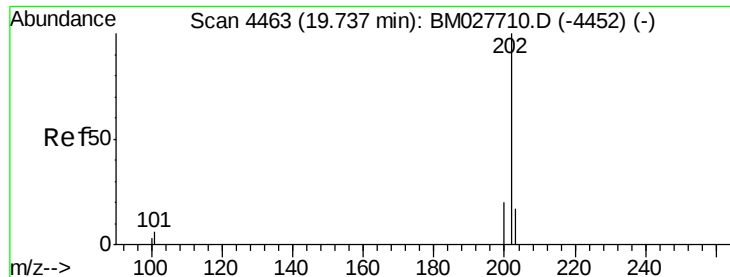
Ion Ratio Lower Upper

178 100

179 39.0 14.1 21.1#

176 37.1 16.3 24.5#





#18

Fluoranthene

Concen: 0.062 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

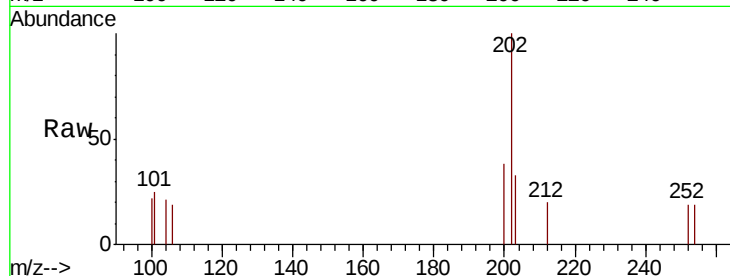
Tot Ion:202 Resp: 285

Ion Ratio Lower Upper

202 100

101 24.5 6.1 9.1#

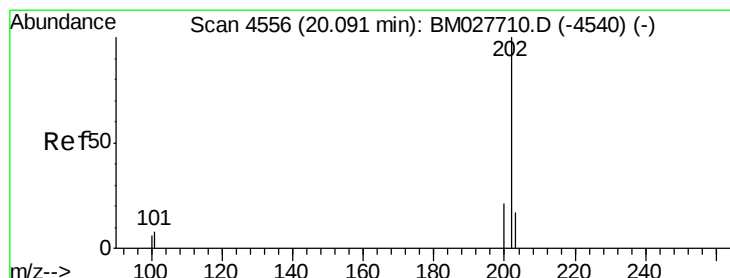
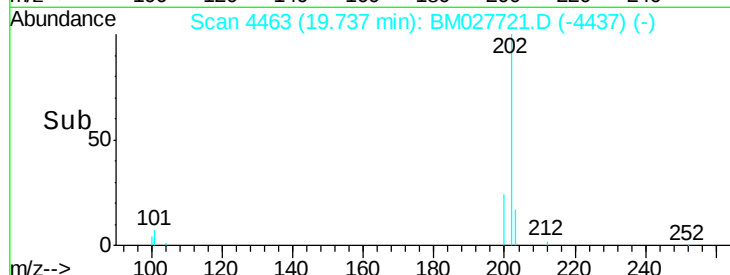
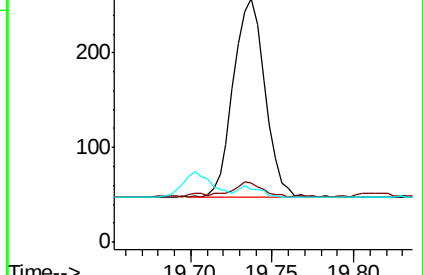
100 21.8 5.8 8.6#



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: 0.060 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

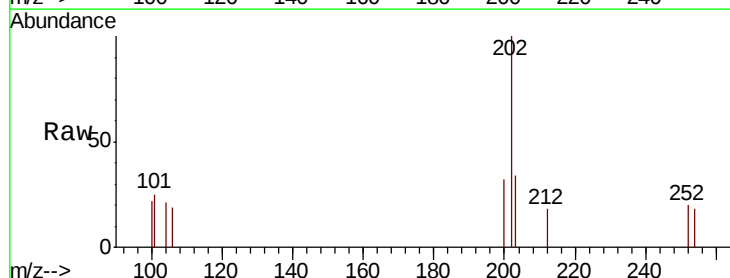
Tgt Ion:202 Resp: 286

Ion Ratio Lower Upper

202 100

101 25.0 7.4 11.0#

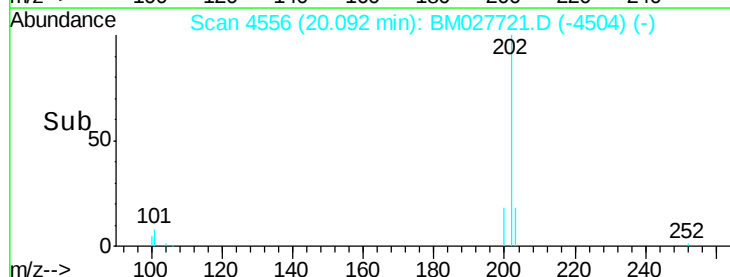
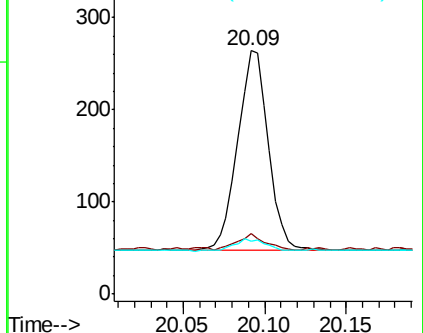
100 21.6 6.6 9.8#

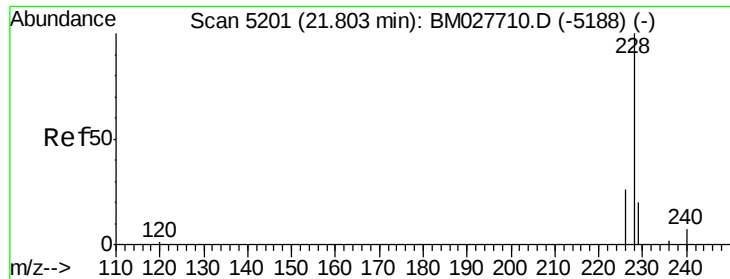


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.067 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

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MDL-WATER-02

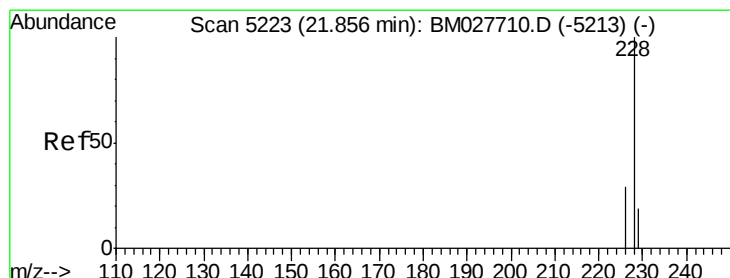
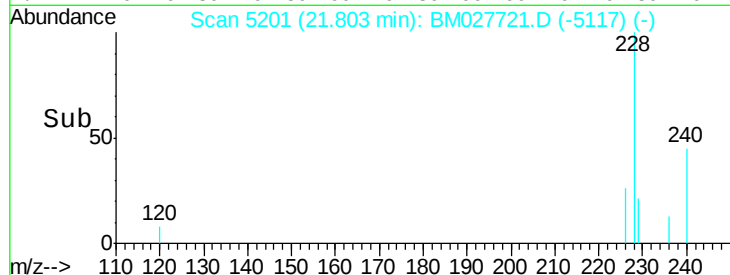
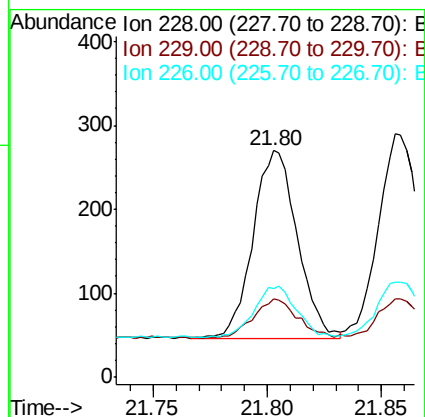
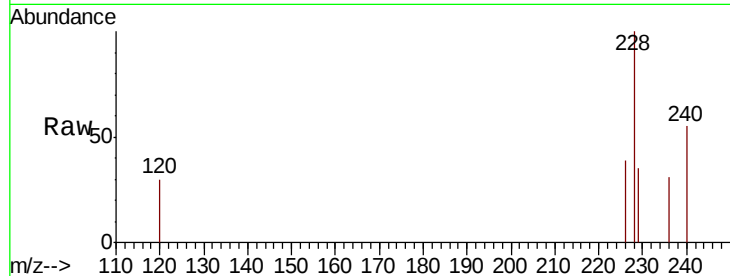
Tot Ion:228 Resp: 301

Ion Ratio Lower Upper

228 100

229 34.8 17.0 25.4#

226 39.3 22.0 33.0#



#22

Chrysene

Concen: 0.066 ng/ul

RT: 21.86 min Scan# 5223

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

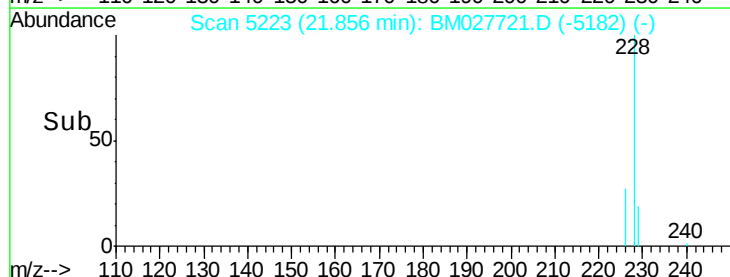
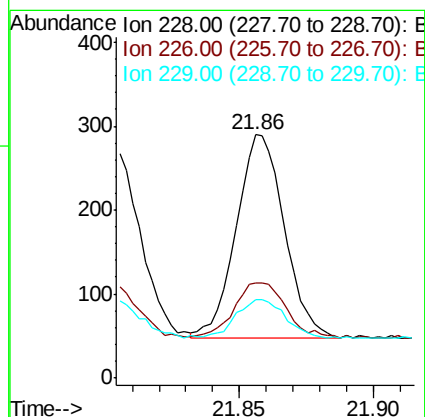
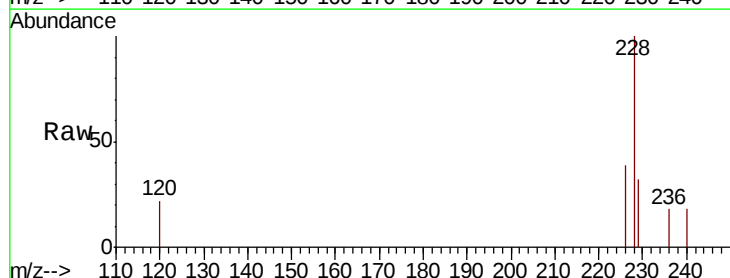
Tgt Ion:228 Resp: 305

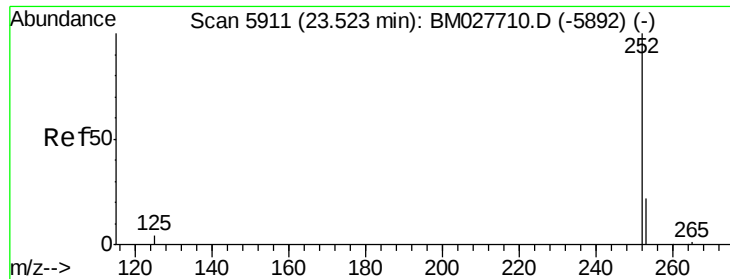
Ion Ratio Lower Upper

228 100

226 39.0 24.0 36.0#

229 32.1 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.067 ng/ul

RT: 23.52 min Scan# 5911

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

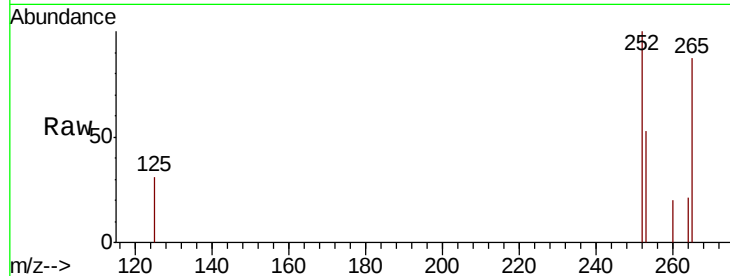
Tot Ion:252 Resp: 308

Ion Ratio Lower Upper

252 100

253 53.2 0.0 53.0#

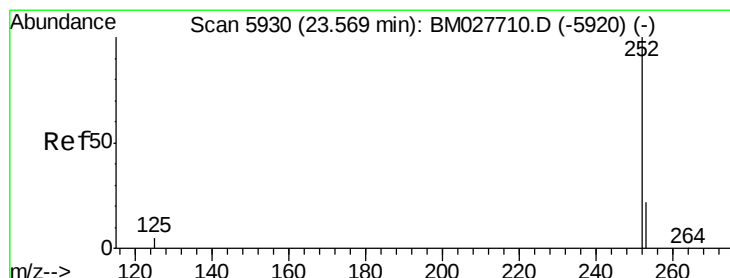
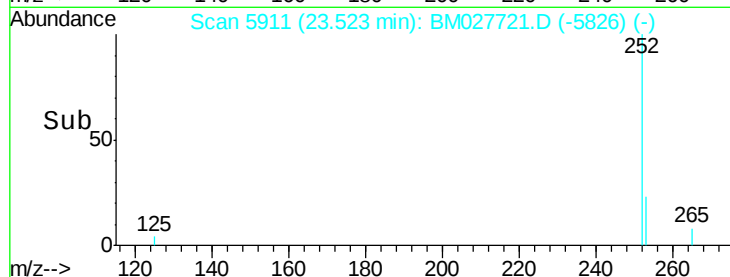
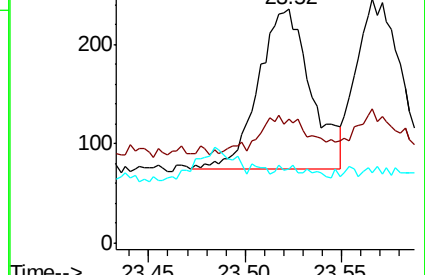
125 31.5 0.0 17.6#



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: 0.062 ng/ul

RT: 23.57 min Scan# 5929

Delta R.T. 0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

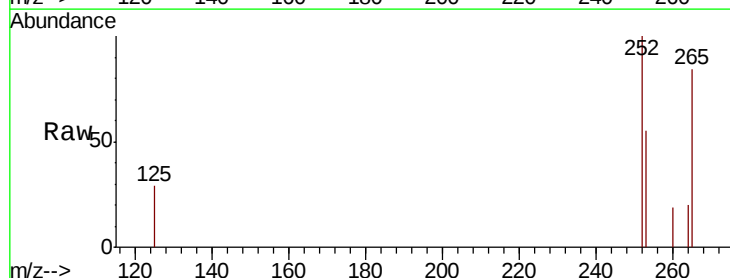
Tgt Ion:252 Resp: 281

Ion Ratio Lower Upper

252 100

253 54.9 21.4 32.2#

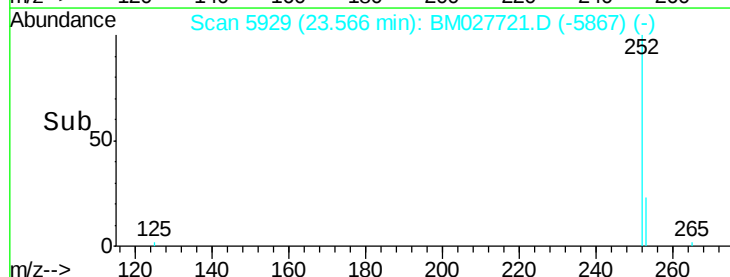
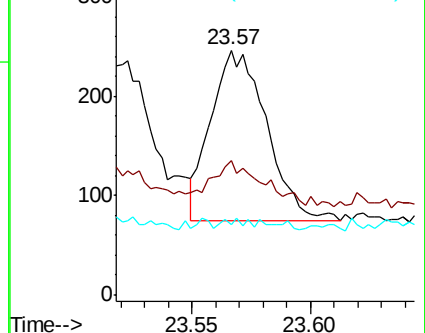
125 28.9 7.4 11.0#

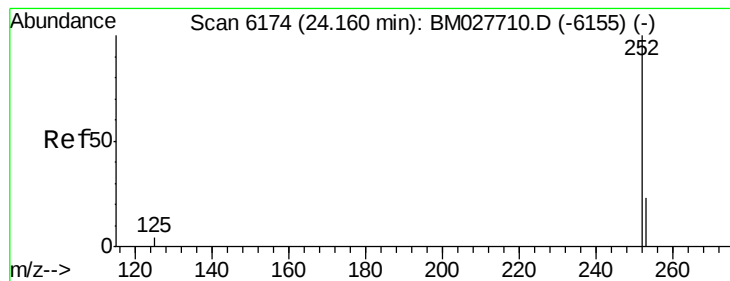


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.067 ng/u1

RT: 24.16 min Scan# 6173

Delta R.T. -0.00 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

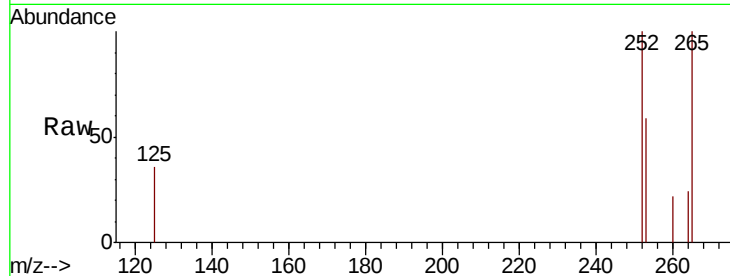
Tot Ion:252 Resp: 276

Ion Ratio Lower Upper

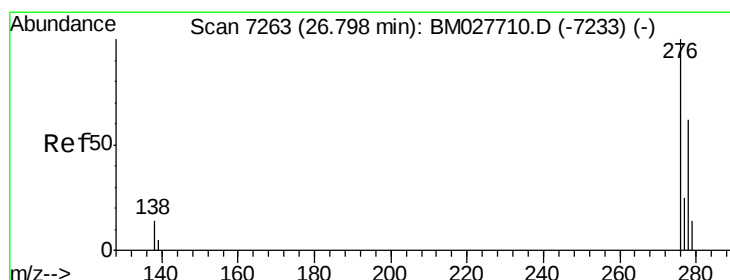
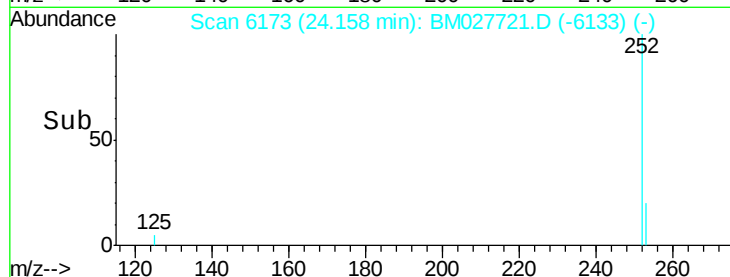
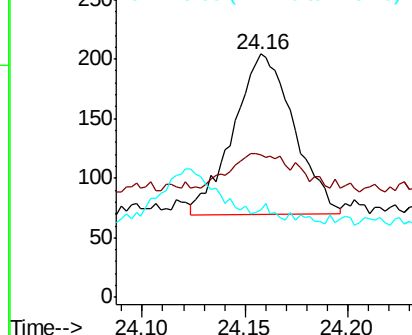
252 100

253 58.8 22.3 33.5#

125 35.8 8.8 13.2#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.063 ng/u1

RT: 26.81 min Scan# 7267

Delta R.T. 0.01 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

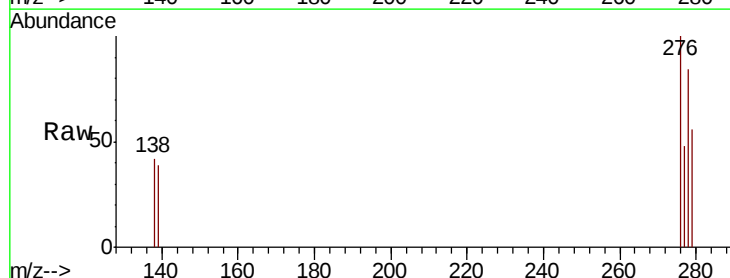
Tgt Ion:276 Resp: 309

Ion Ratio Lower Upper

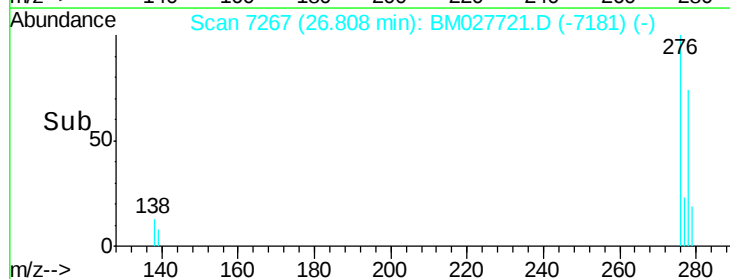
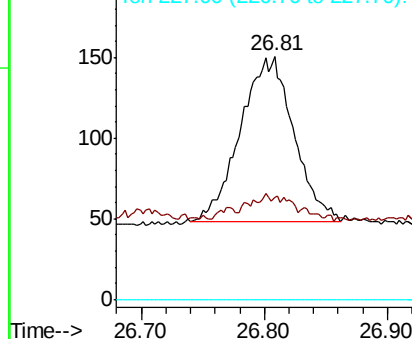
276 100

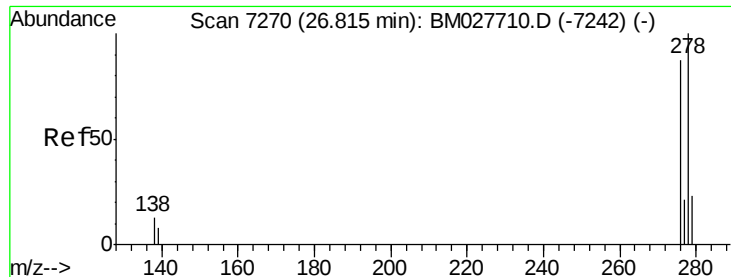
138 14.6 11.0 16.6

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





#28

Dibenzo(a,h)anthracene

Concen: 0.064 ng/u1

RT: 26.81 min Scan# 7268

Delta R.T. -0.01 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-02

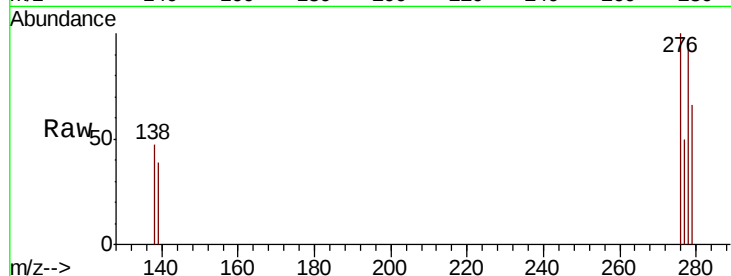
Tot Ion:278 Resp: 259

Ion Ratio Lower Upper

278 100

139 40.6 12.6 18.8#

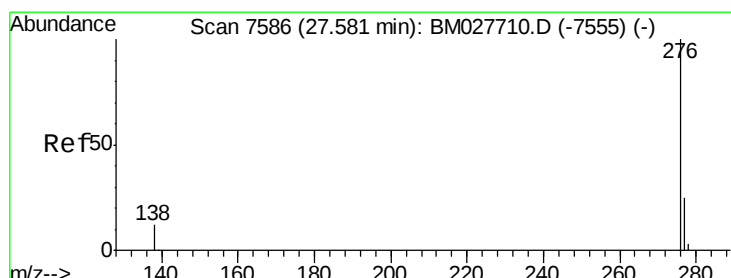
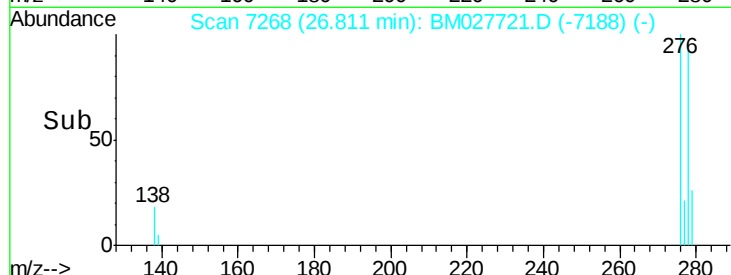
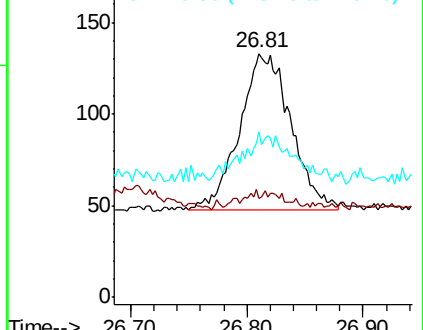
279 67.7 24.3 36.5#



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: 0.064 ng/u1

RT: 27.58 min Scan# 7584

Delta R.T. -0.01 min

Lab File: BM027721.D

Acq: 05 Nov 2020 16:50

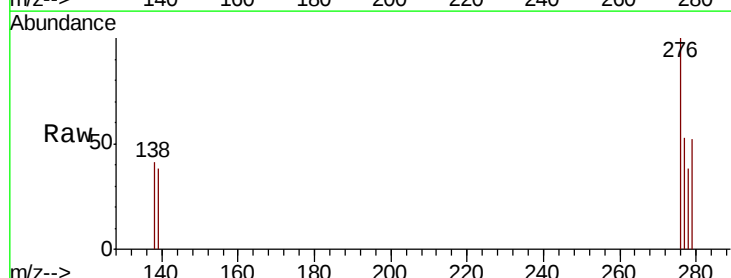
Tgt Ion:276 Resp: 264

Ion Ratio Lower Upper

276 100

138 41.4 15.0 22.4#

277 52.6 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

