

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027720.D
 Acq On : 05 Nov 2020 16:14
 Operator : JU/CG
 Sample : L4485-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-01

Quant Time: Nov 05 17:22:42 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

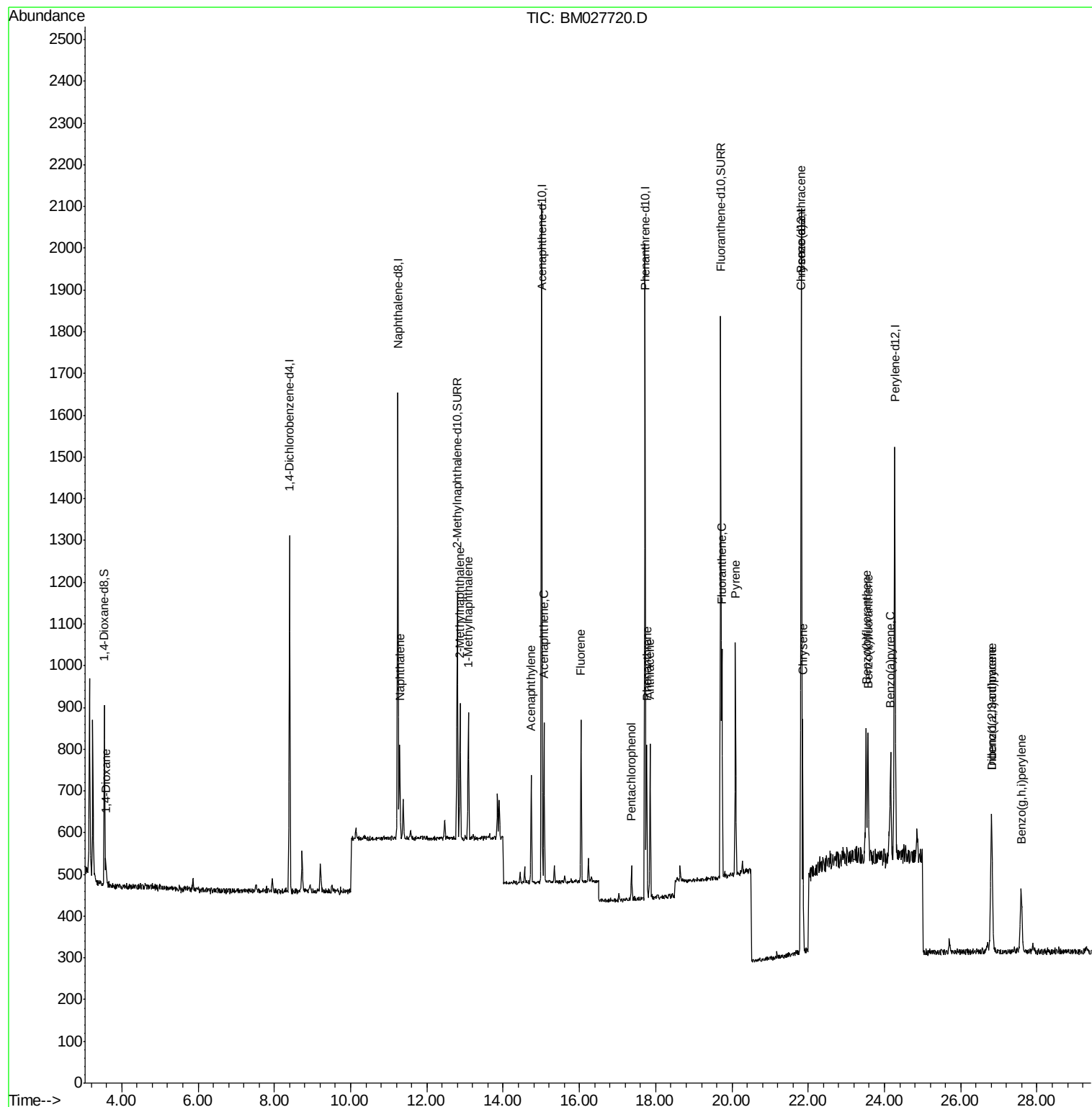
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	410	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1404	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	862	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1945	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1643	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1420	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	243	0.58	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	697	0.30	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	1540	0.30	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	33	0.073	ng/ul	91
5) Naphthalene	11.29	128	306	0.077	ng/ul#	70
7) 2-Methylnaphthalene	12.87	142	210	0.077	ng/ul	94
8) 1-Methylnaphthalene	13.09	142	184	0.071	ng/ul	99
10) Acenaphthylene	14.74	152	279	0.072	ng/ul#	73
11) Acenaphthene	15.07	153	216	0.074	ng/ul	93
12) Fluorene	16.04	166	241	0.070	ng/ul#	89
14) Pentachlorophenol	17.36	266	55	0.086	ng/ul	92
15) Phenanthrene	17.76	178	394	0.069	ng/ul#	80
16) Anthracene	17.85	178	394	0.071	ng/ul#	75
18) Fluoranthene	19.74	202	478	0.072	ng/ul#	73
20) Pyrene	20.09	202	475	0.074	ng/ul#	75
21) Benzo(a)anthracene	21.80	228	454	0.076	ng/ul#	84
22) Chrysene	21.86	228	482	0.078	ng/ul#	88
24) Benzo(b)fluoranthene	23.52	252	452	0.079	ng/ul#	65
25) Benzo(k)fluoranthene	23.57	252	423	0.074	ng/ul#	64
26) Benzo(a)pyrene	24.16	252	391	0.076	ng/ul#	64
27) Indeno(1,2,3-cd)pyrene	26.80	276	468	0.077	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.81	278	366	0.072	ng/ul#	58
29) Benzo(a,h,i)perylene	27.58	276	371	0.073	ng/ul#	63

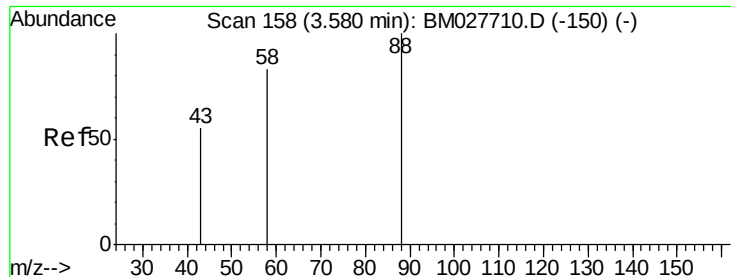
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.073 ng/ul

RT: 3.58 min Scan# 159

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

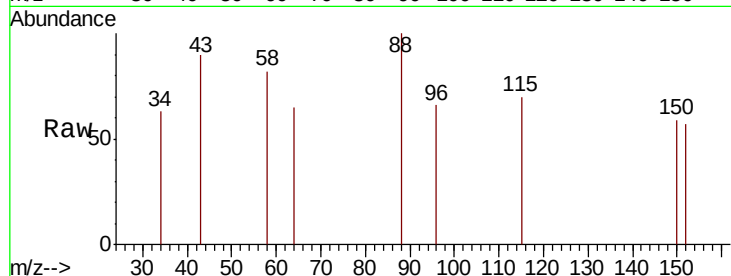
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

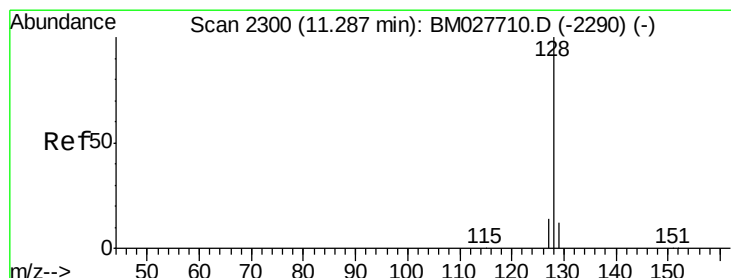
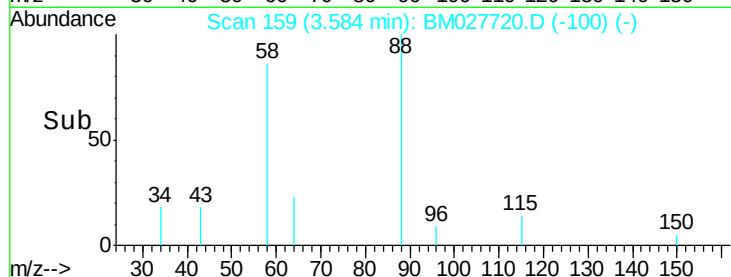
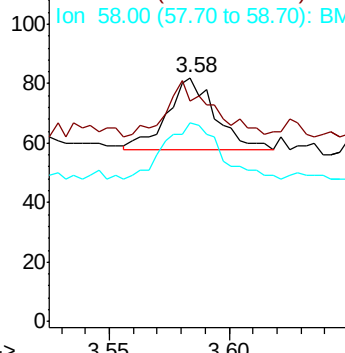
88 100

43 90.2 61.8 92.6

58 81.7 67.8 101.8



Abundance Ion 88.00 (87.70 to 88.70): BM027710.D (-150) (-)



#5

Naphthalene

Concen: 0.077 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

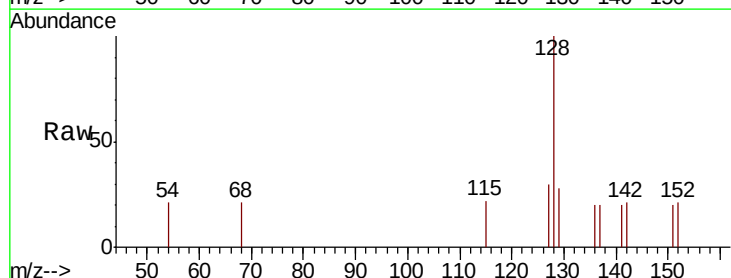
Tgt Ion: 128 Resp: 306

Ion Ratio Lower Upper

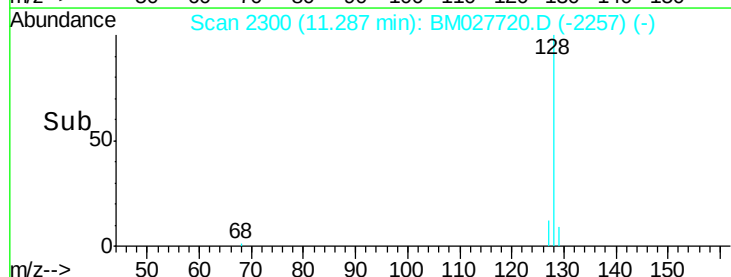
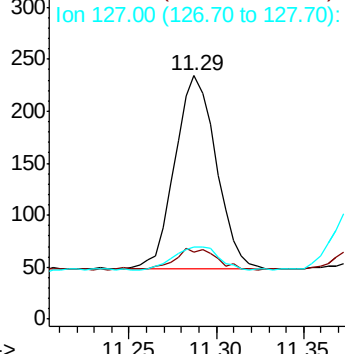
128 100

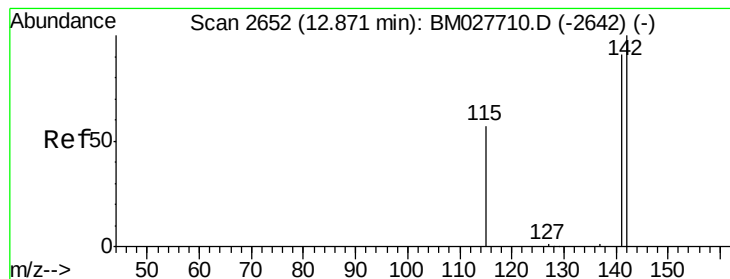
129 27.8 11.7 17.5#

127 29.9 14.0 21.0#



Abundance Ion 128.00 (127.70 to 128.70): BM027710.D (-2290) (-)





#7

2-Methylnaphthalene

Concen: 0.077 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

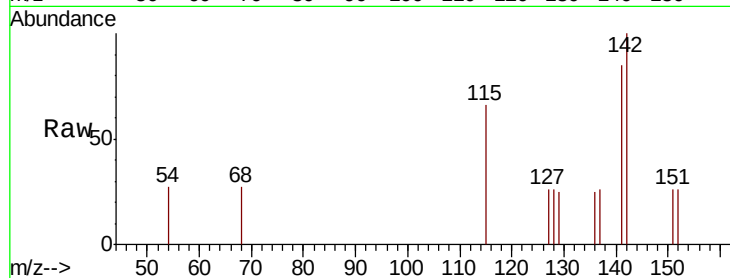
MDL-WATER-01

Tot Ion:142 Resp: 210

Ion Ratio Lower Upper

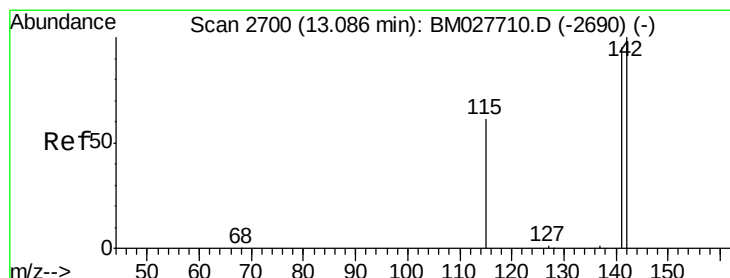
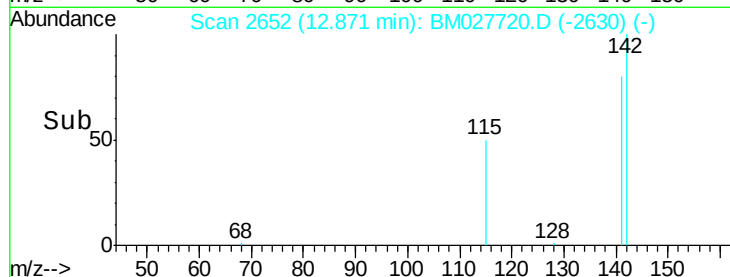
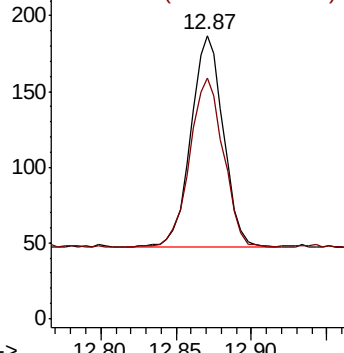
142 100

141 83.3 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.071 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027720.D

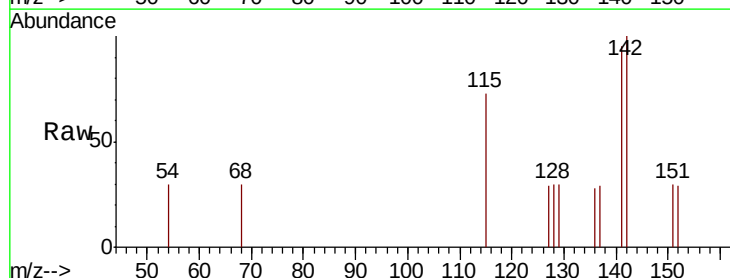
Acq: 05 Nov 2020 16:14

Tgt Ion:142 Resp: 184

Ion Ratio Lower Upper

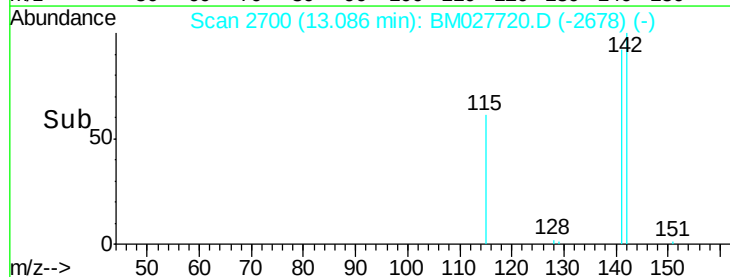
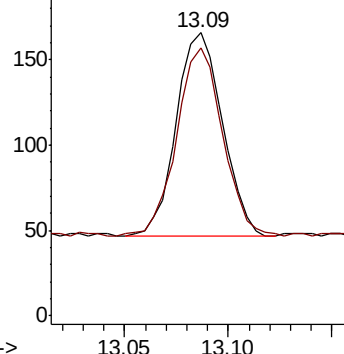
142 100

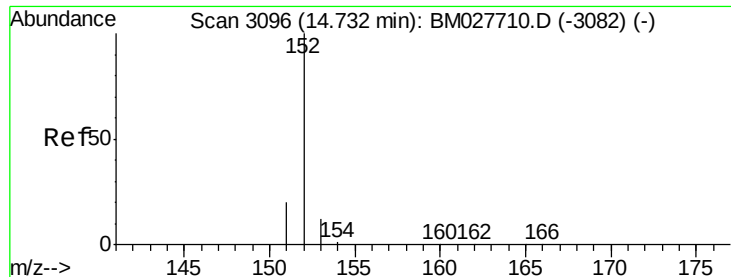
141 91.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.072 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

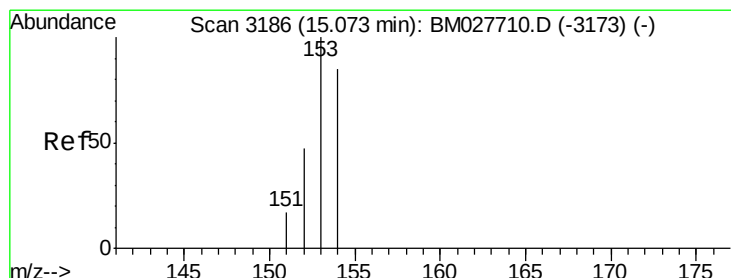
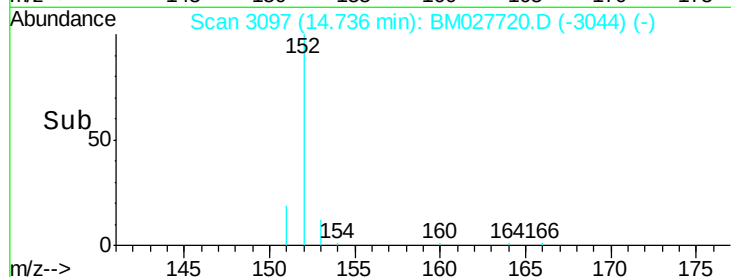
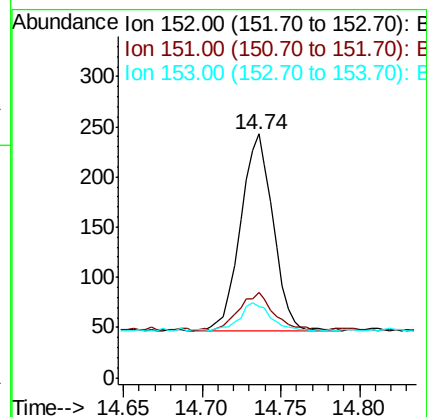
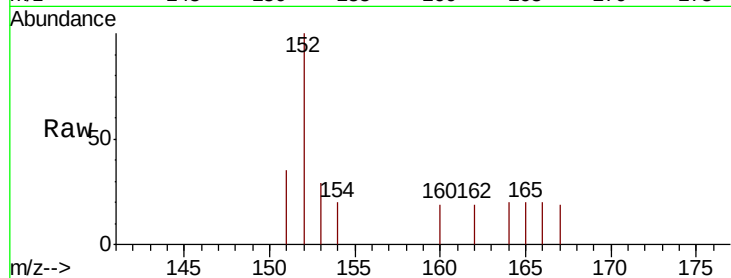
Tot Ion:152 Resp: 279

Ion Ratio Lower Upper

152 100

151 35.0 17.8 26.8#

153 29.2 13.5 20.3#



#11

Acenaphthene

Concen: 0.074 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

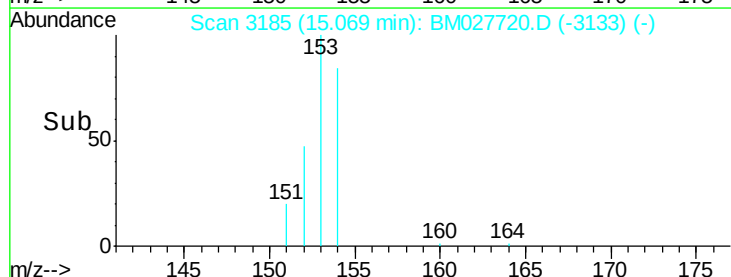
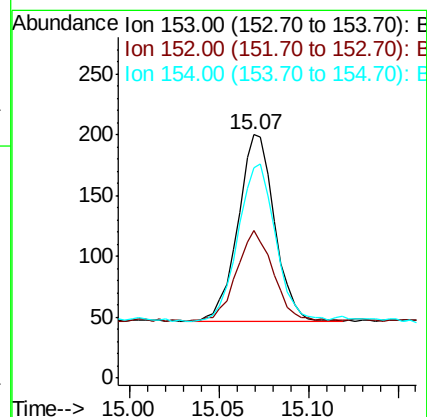
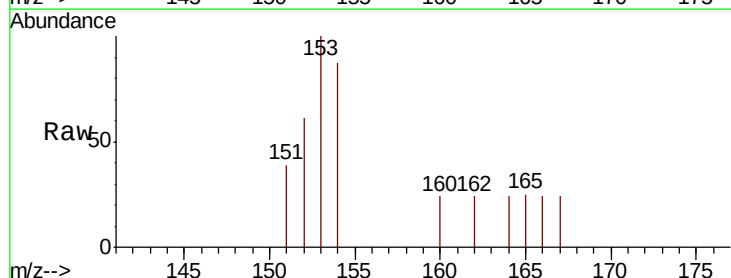
Tgt Ion:153 Resp: 216

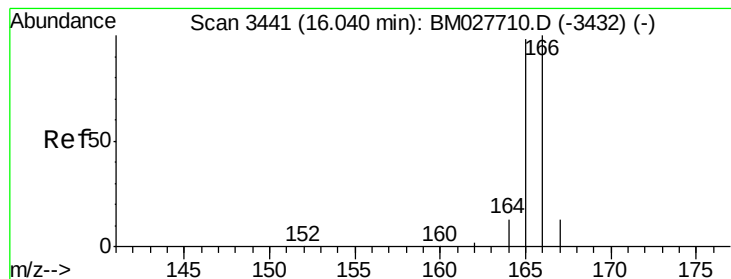
Ion Ratio Lower Upper

153 100

152 60.5 40.6 60.8

154 86.5 71.0 106.4





#12

Fluorene

Concen: 0.070 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

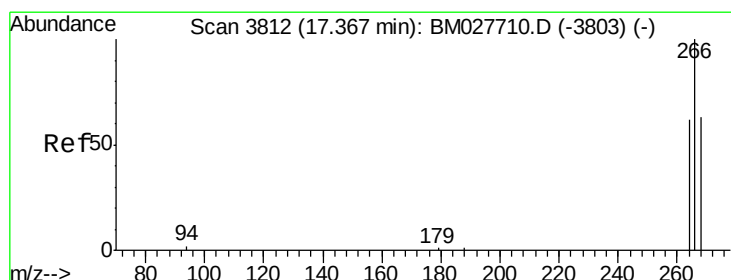
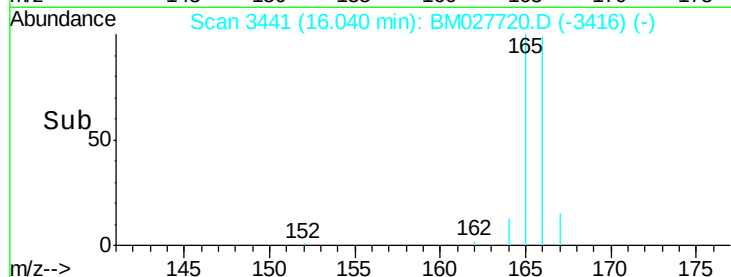
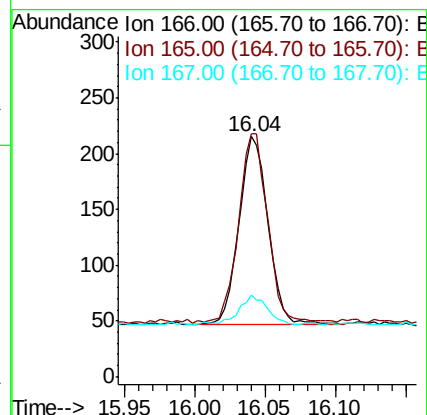
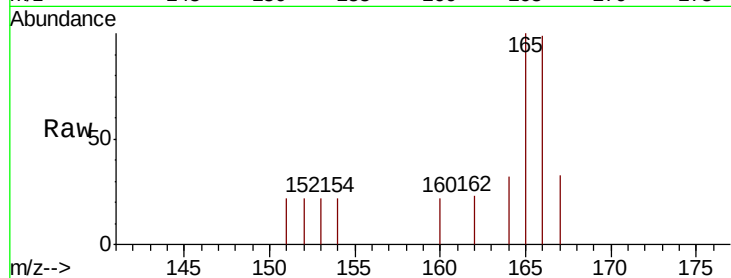
Tot Ion:166 Resp: 241

Ion Ratio Lower Upper

166 100

165 101.4 76.2 114.4

167 34.0 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.086 ng/ul

RT: 17.36 min Scan# 3810

Delta R.T. -0.01 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

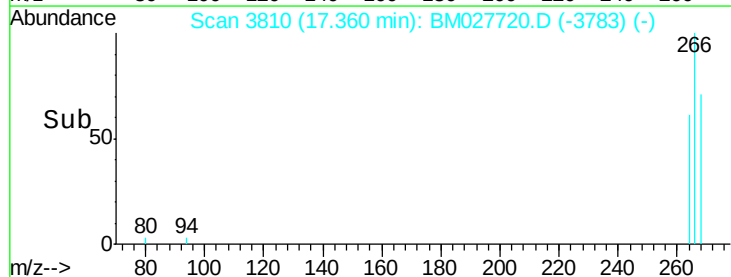
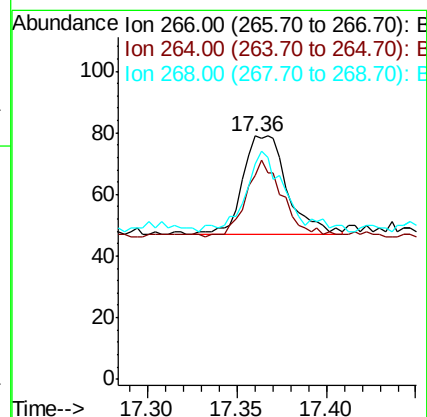
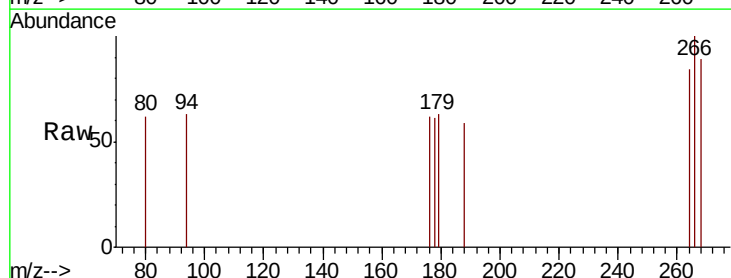
Tgt Ion:266 Resp: 55

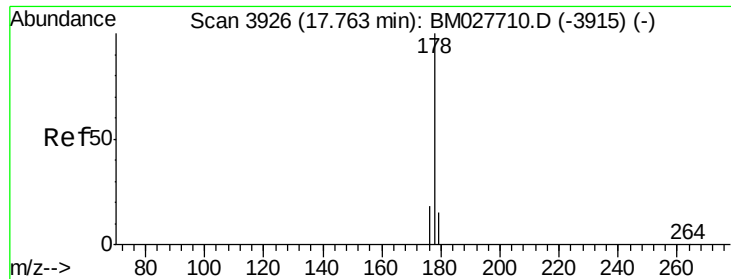
Ion Ratio Lower Upper

266 100

264 67.3 48.2 72.4

268 72.7 53.4 80.0





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

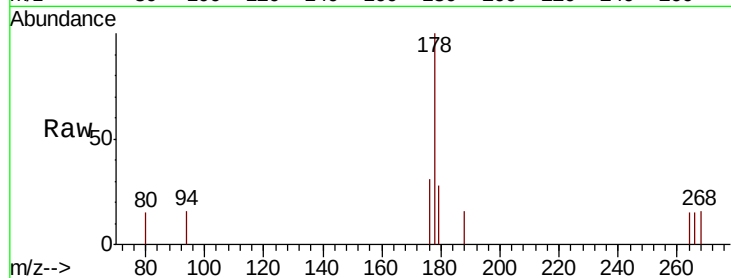
Tot Ion:178 Resp: 394

Ion Ratio Lower Upper

178 100

179 28.1 14.6 22.0#

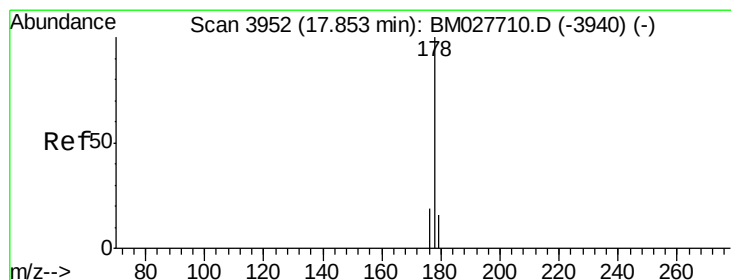
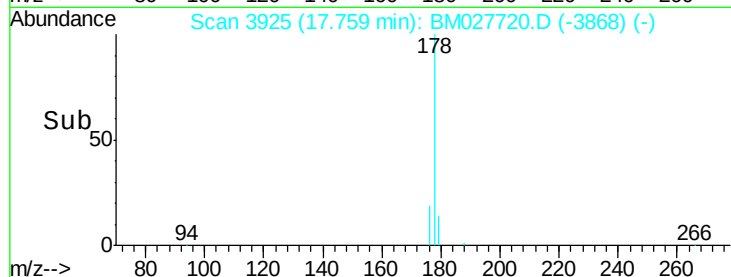
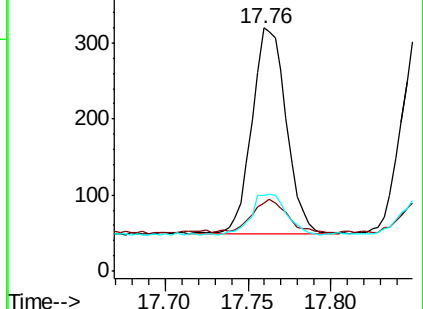
176 31.3 18.2 27.2#



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: 0.071 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

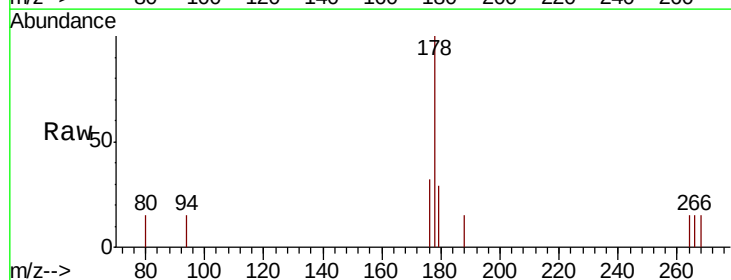
Tgt Ion:178 Resp: 394

Ion Ratio Lower Upper

178 100

179 29.0 14.1 21.1#

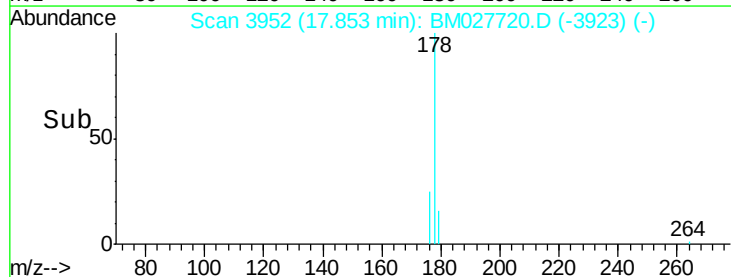
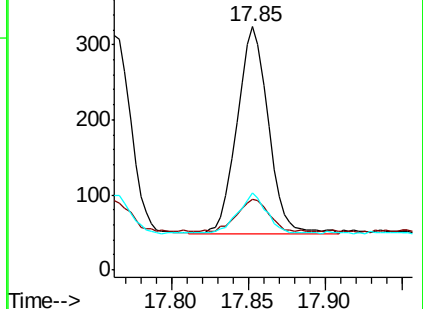
176 31.8 16.3 24.5#

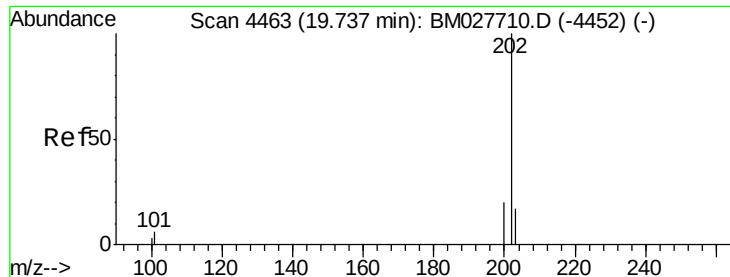


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

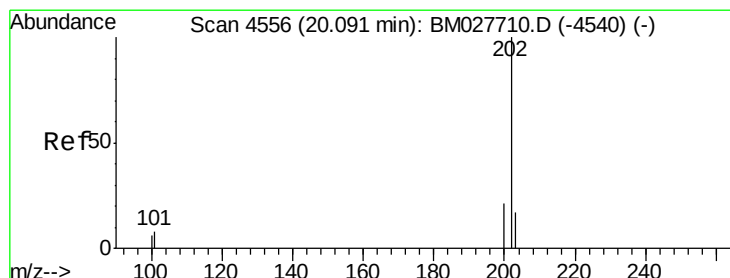
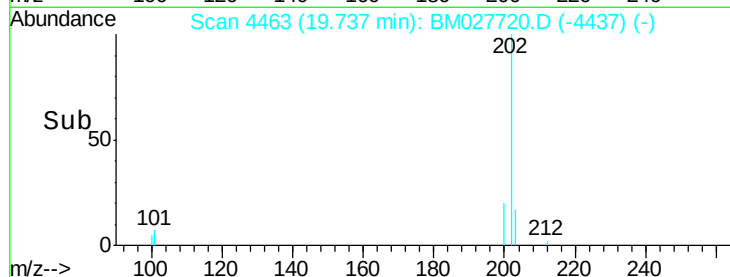
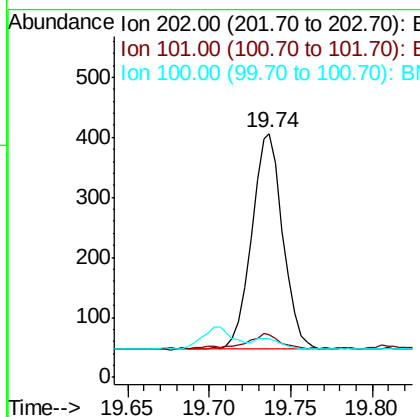
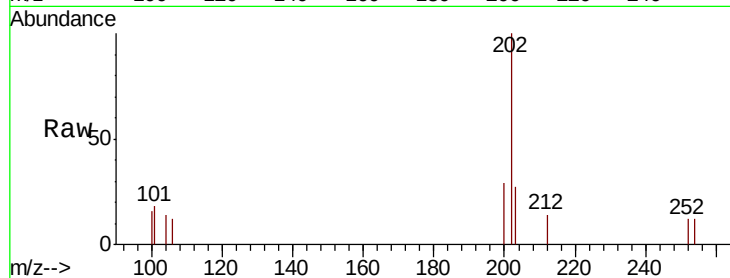




#18
Fluoranthene
Concen: 0.072 ng/ul
RT: 19.74 min Scan# 4463
Delta R.T. 0.00 min
Lab File: BM027720.D
Acq: 05 Nov 2020 16:14

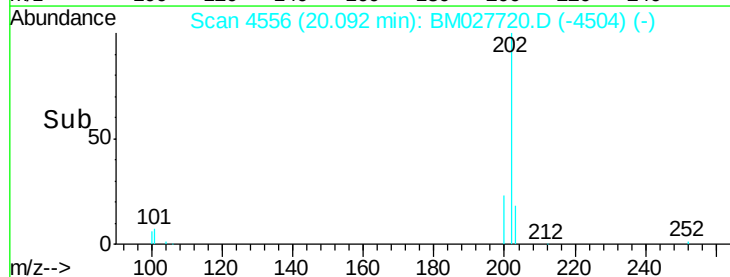
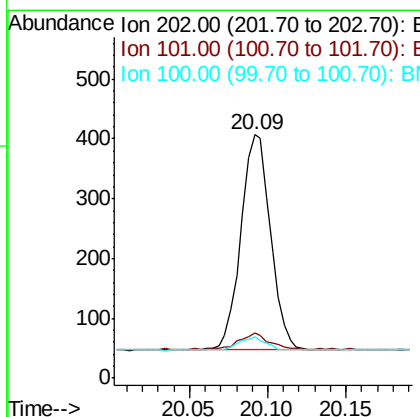
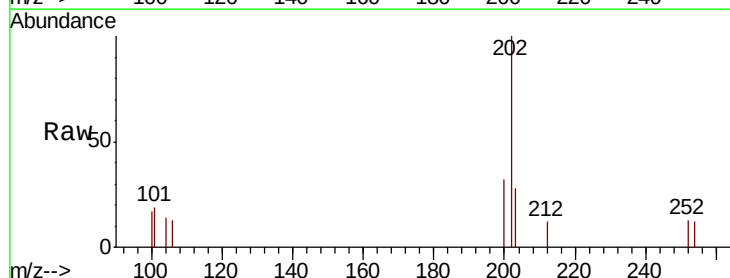
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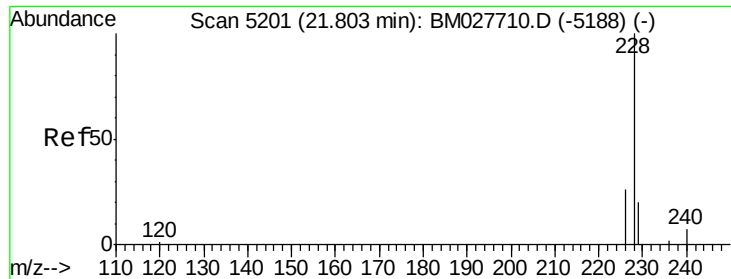
Tot Ion:202 Resp: 478
Ion Ratio Lower Upper
202 100
101 17.7 6.1 9.1#
100 16.0 5.8 8.6#



#20
Pyrene
Concen: 0.074 ng/ul
RT: 20.09 min Scan# 4556
Delta R.T. 0.00 min
Lab File: BM027720.D
Acq: 05 Nov 2020 16:14

Tgt Ion:202 Resp: 475
Ion Ratio Lower Upper
202 100
101 18.7 7.4 11.0#
100 17.0 6.6 9.8#





#21

Benzo(a)anthracene

Concen: 0.076 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

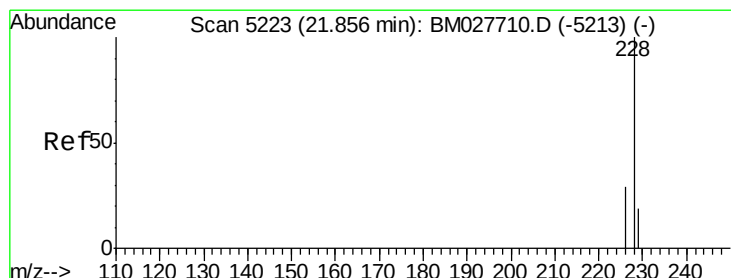
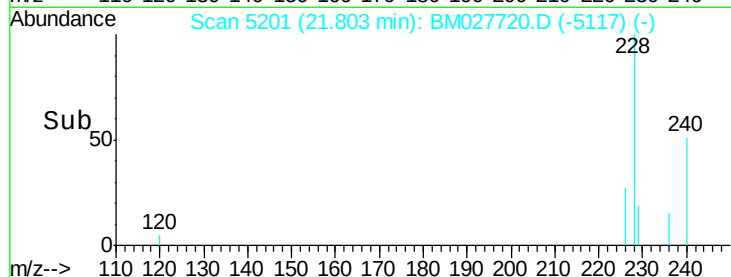
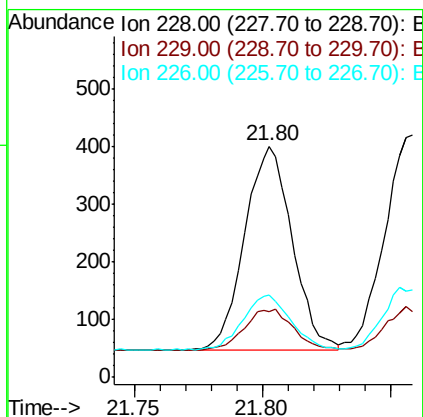
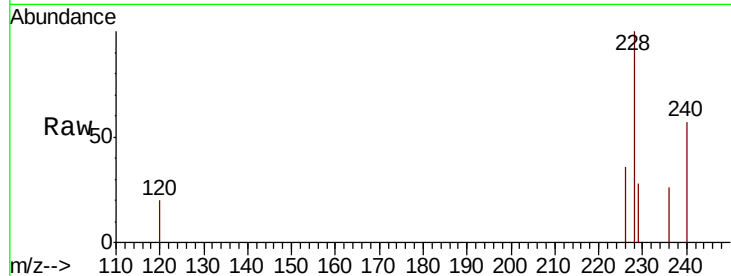
Tot Ion:228 Resp: 454

Ion Ratio Lower Upper

228 100

229 28.4 17.0 25.4#

226 35.7 22.0 33.0#



#22

Chrysene

Concen: 0.078 ng/ul

RT: 21.86 min Scan# 5224

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

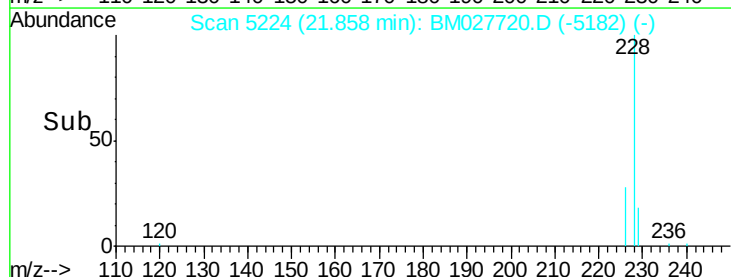
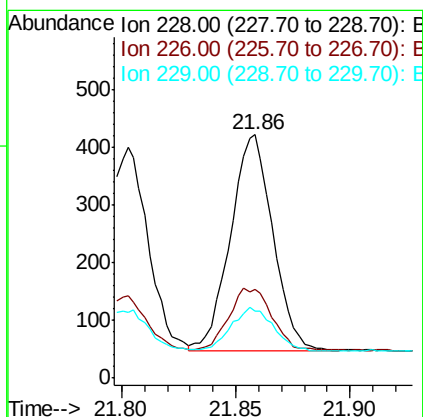
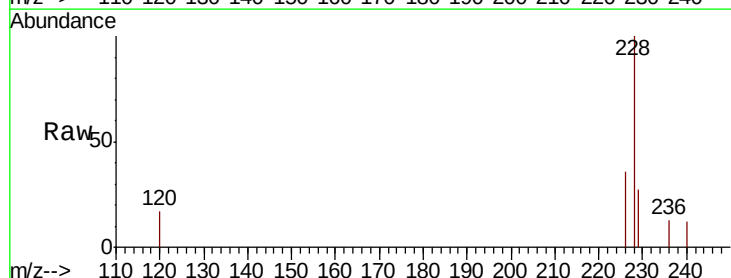
Tgt Ion:228 Resp: 482

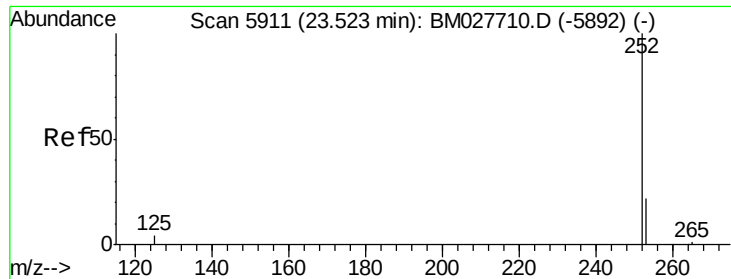
Ion Ratio Lower Upper

228 100

226 36.3 24.0 36.0#

229 27.3 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.079 ng/ul

RT: 23.52 min Scan# 5909

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

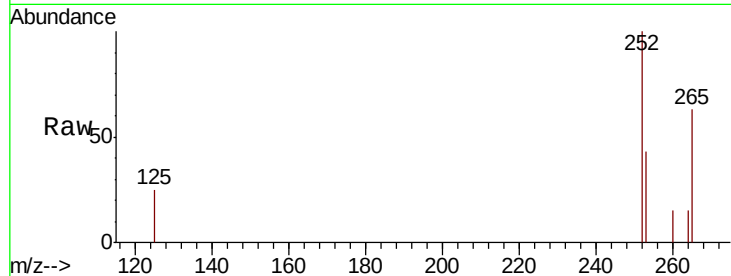
Tot Ion:252 Resp: 452

Ion Ratio Lower Upper

252 100

253 42.9 0.0 53.0

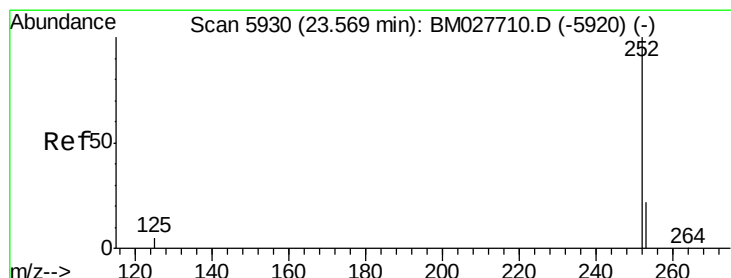
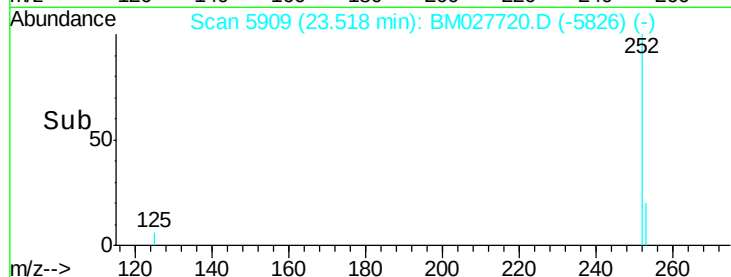
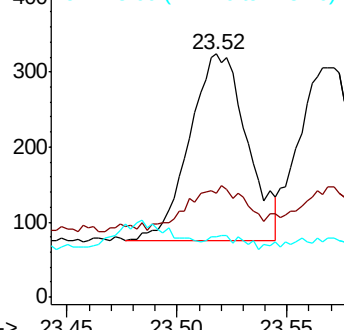
125 24.7 0.0 17.6#



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: 0.074 ng/ul

RT: 23.57 min Scan# 5929

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

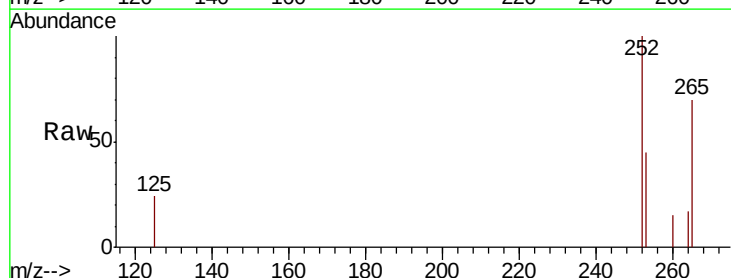
Tgt Ion:252 Resp: 423

Ion Ratio Lower Upper

252 100

253 44.9 21.4 32.2#

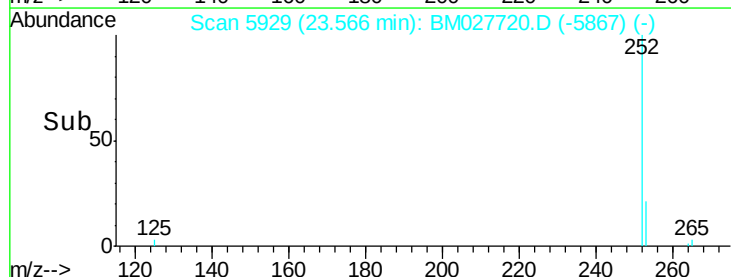
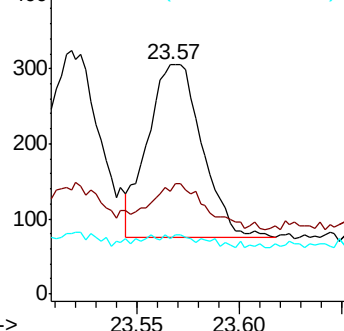
125 23.9 7.4 11.0#

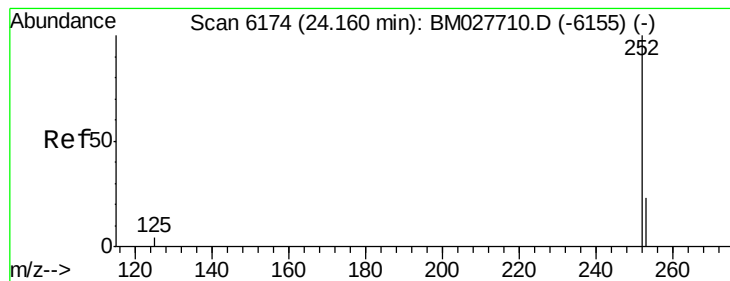


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.076 ng/ul

RT: 24.16 min Scan# 6175

Delta R.T. 0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampled :

MDL-WATER-01

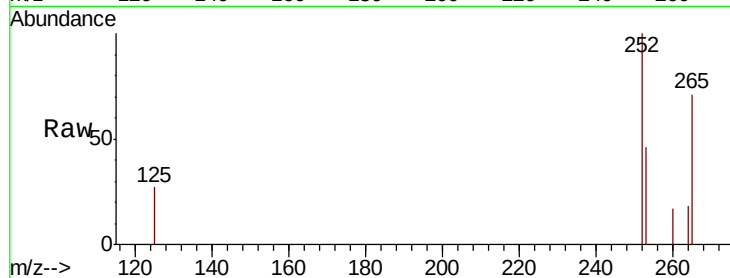
Tot Ion:252 Resp: 391

Ion Ratio Lower Upper

252 100

253 45.8 22.3 33.5#

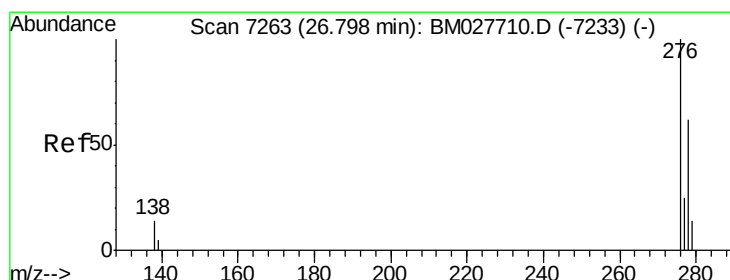
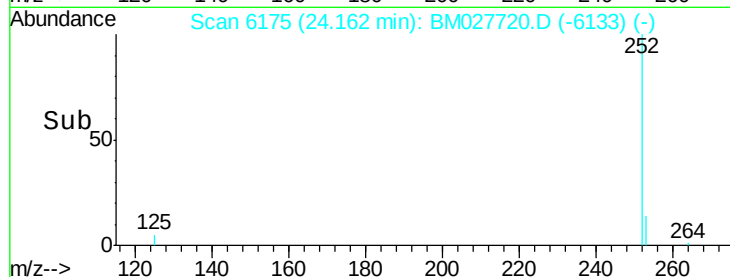
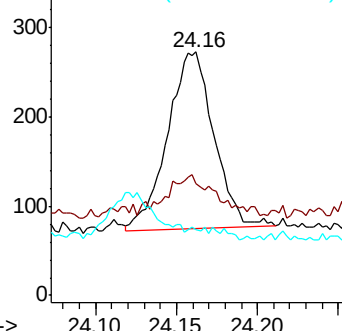
125 27.1 8.8 13.2#



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: 0.077 ng/ul

RT: 26.80 min Scan# 7263

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

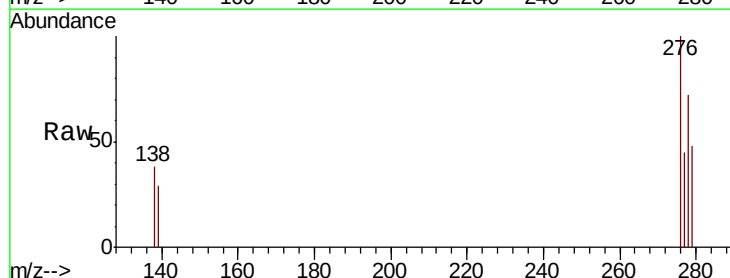
Tgt Ion:276 Resp: 468

Ion Ratio Lower Upper

276 100

138 7.7 11.0 16.6#

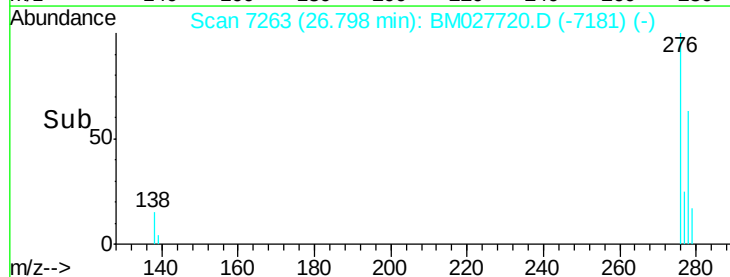
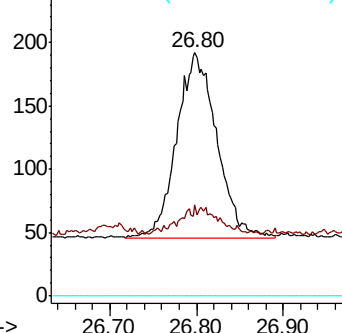
227 0.0 0.0 0.0

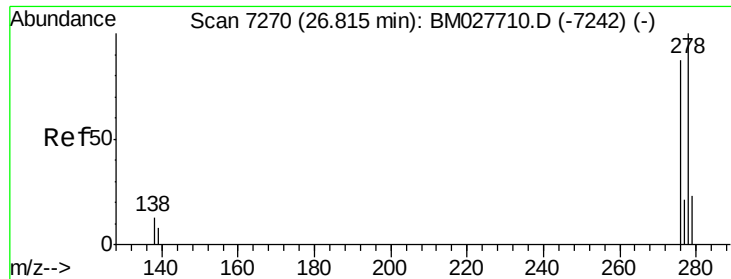


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.072 ng/ul

RT: 26.81 min Scan# 7269

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-01

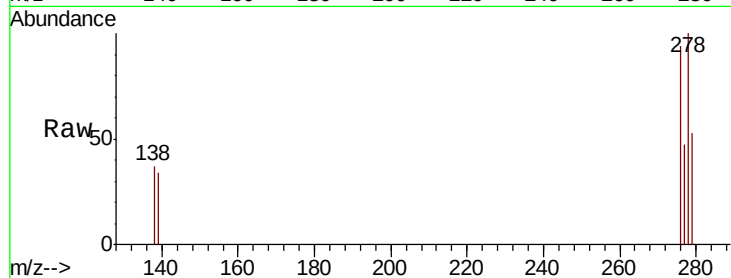
Tot Ion:278 Resp: 366

Ion Ratio Lower Upper

278 100

139 33.5 12.6 18.8#

279 53.2 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

26.81

200

150

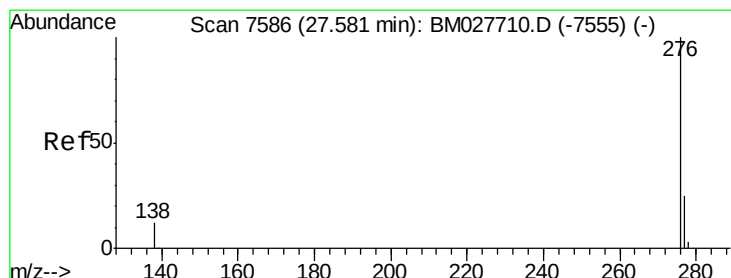
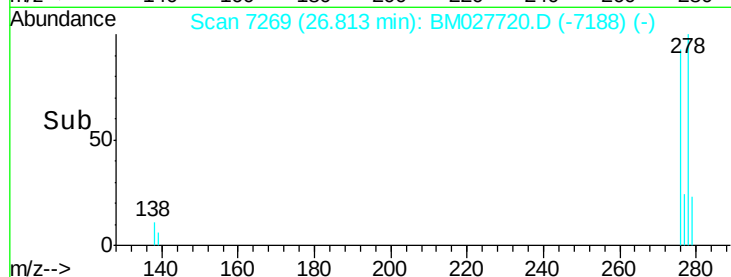
100

50

0

26.70 26.80 26.90

Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.073 ng/ul

RT: 27.58 min Scan# 7586

Delta R.T. -0.00 min

Lab File: BM027720.D

Acq: 05 Nov 2020 16:14

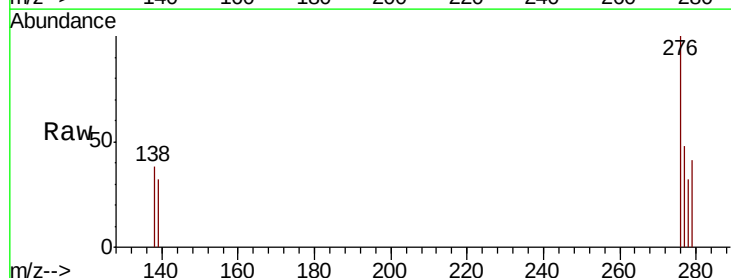
Tgt Ion:276 Resp: 371

Ion Ratio Lower Upper

276 100

138 38.2 15.0 22.4#

277 48.4 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

27.58

200

150

100

50

0

27.50 27.60 27.70

Time-->

