

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027722.D
 Acq On : 05 Nov 2020 17:27
 Operator : JU/CG
 Sample : L4485-10
 Misc : SFAM-SIM-MDL-W-03
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03

Quant Time: Nov 05 18:01:58 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

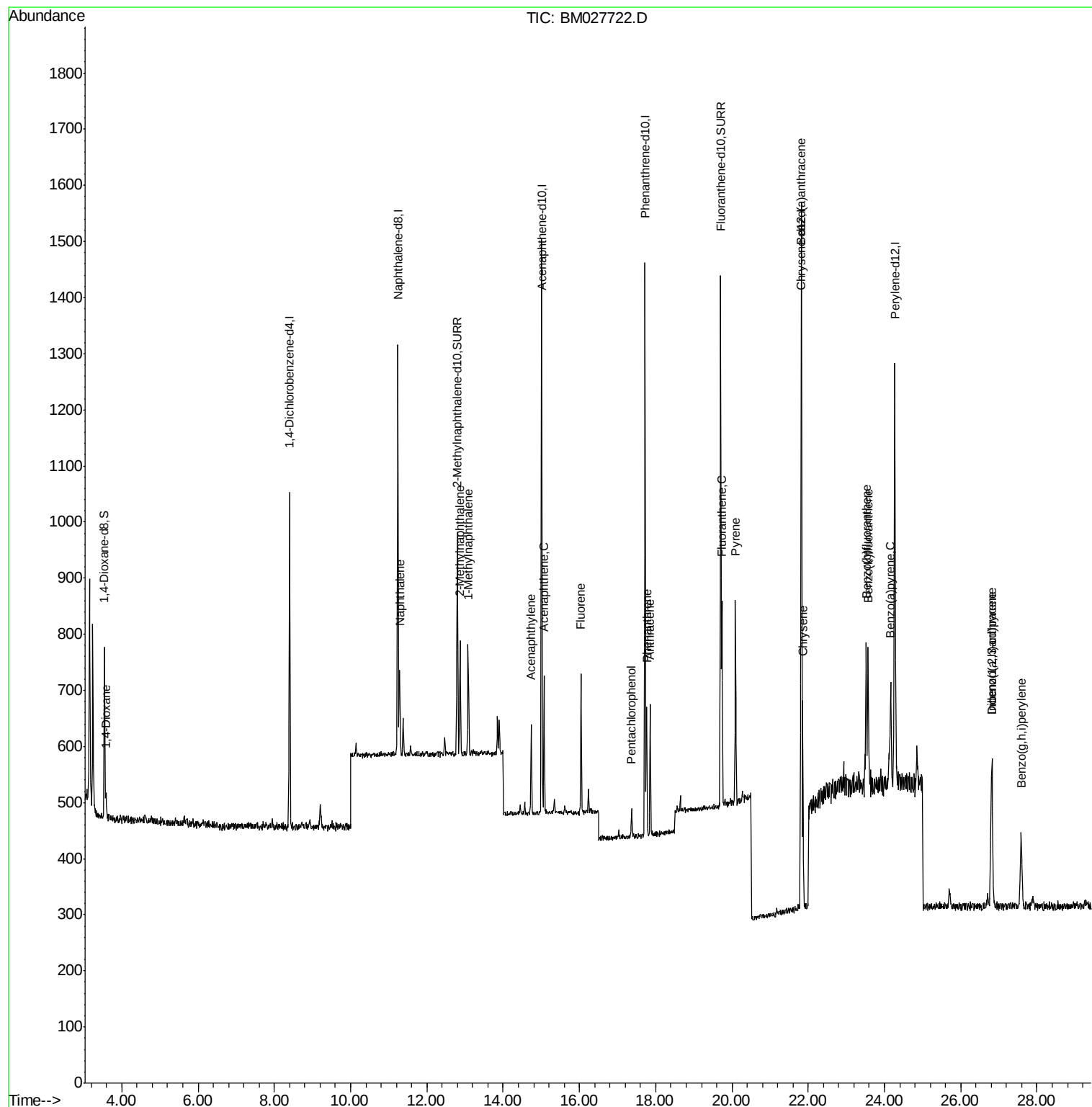
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	284	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	933	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	568	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1247	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1135	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1046	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	176	0.61	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.79	152	496	0.32	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	1081	0.32	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.58	88	24	0.077	ng/ul	90
5) Naphthalene	11.29	128	201	0.076	ng/ul#	49
7) 2-Methylnaphthalene	12.87	142	127	0.070	ng/ul	97
8) 1-Methylnaphthalene	13.09	142	121	0.070	ng/ul	100
10) Acenaphthylene	14.73	152	177	0.070	ng/ul#	52
11) Acenaphthene	15.07	153	135	0.070	ng/ul#	91
12) Fluorene	16.04	166	151	0.066	ng/ul#	89
14) Pentachlorophenol	17.36	266	34	0.083	ng/ul	87
15) Phenanthrene	17.76	178	252	0.069	ng/ul#	69
16) Anthracene	17.85	178	251	0.070	ng/ul#	66
18) Fluoranthene	19.74	202	312	0.073	ng/ul#	60
20) Pyrene	20.09	202	315	0.071	ng/ul#	65
21) Benzo(a)anthracene	21.81	228	320	0.077	ng/ul#	76
22) Chrysene	21.86	228	334	0.078	ng/ul#	81
24) Benzo(b)fluoranthene	23.52	252	338	0.080	ng/ul#	51
25) Benzo(k)fluoranthene	23.57	252	319	0.076	ng/ul#	54
26) Benzo(a)pyrene	24.16	252	298	0.078	ng/ul#	45
27) Indeno(1,2,3-cd)pyrene	26.81	276	357	0.080	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.82	278	286	0.077	ng/ul#	52
29) Benzo(g,h,i)perylene	27.58	276	299	0.079	ng/ul#	55

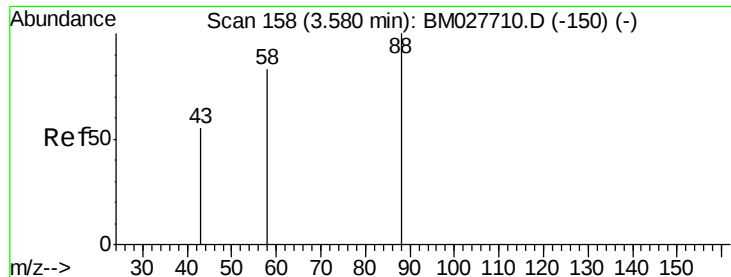
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.077 ng/ul

RT: 3.58 min Scan# 159

Delta R.T. 0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

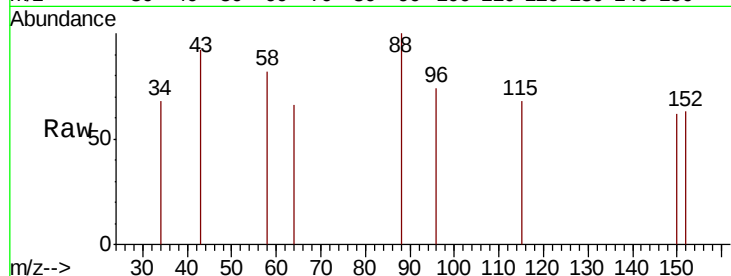
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 92.1 61.8 92.6

58 81.6 67.8 101.8

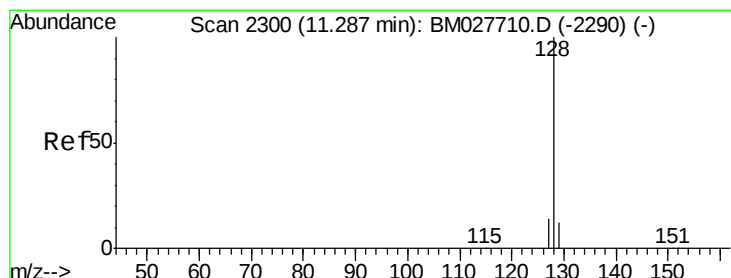
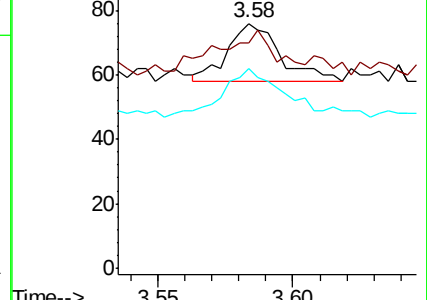
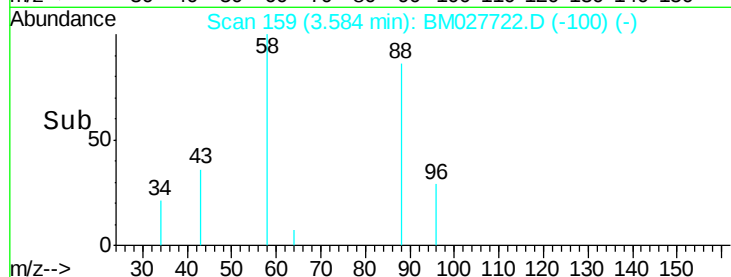


Abundance Ion 88.00 (87.70 to 88.70): BM027710.D (-150) (-)

Ion 43.00 (42.70 to 43.70): BM027710.D (-150) (-)

Ion 58.00 (57.70 to 58.70): BM027710.D (-150) (-)

Time-->



#5

Naphthalene

Concen: 0.076 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

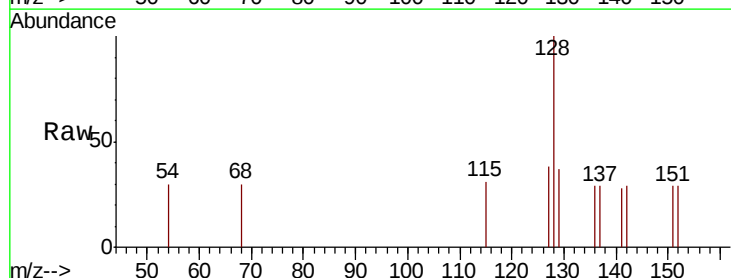
Tgt Ion: 128 Resp: 201

Ion Ratio Lower Upper

128 100

129 37.3 11.7 17.5#

127 38.0 14.0 21.0#

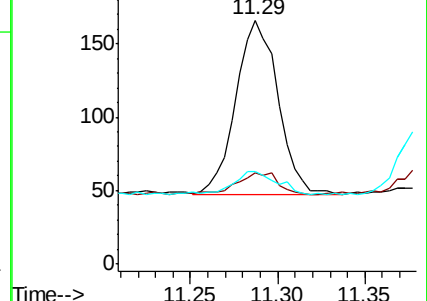
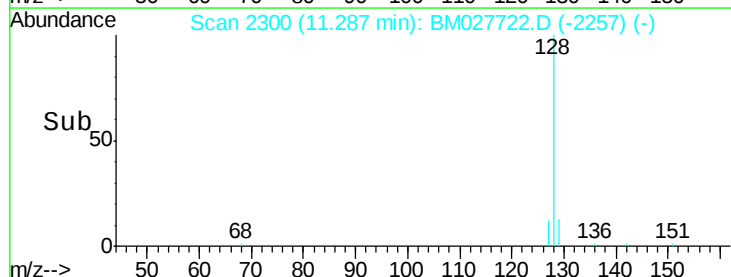


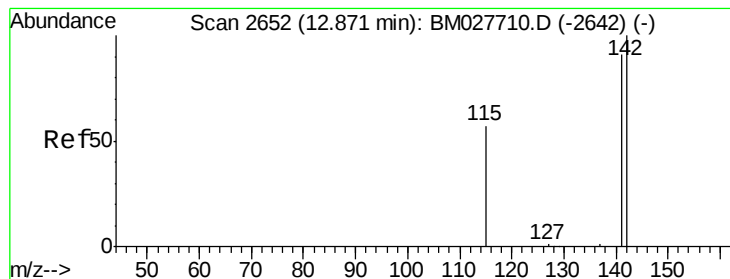
Abundance Ion 128.00 (127.70 to 128.70): BM027710.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027710.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027710.D (-2290) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.070 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

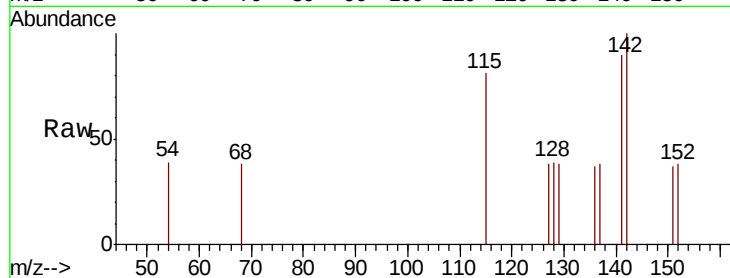
MDL-WATER-03

Tot Ion:142 Resp: 127

Ion Ratio Lower Upper

142 100

141 85.8 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

150 Ion 141.00 (140.70 to 141.70): E

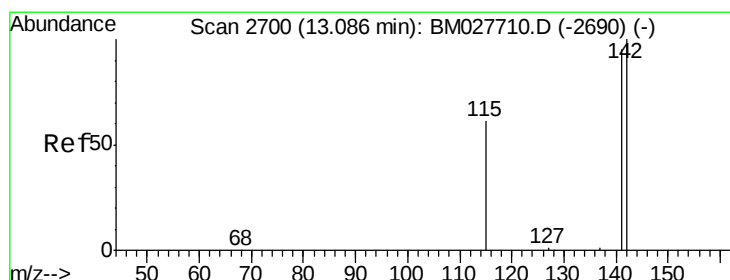
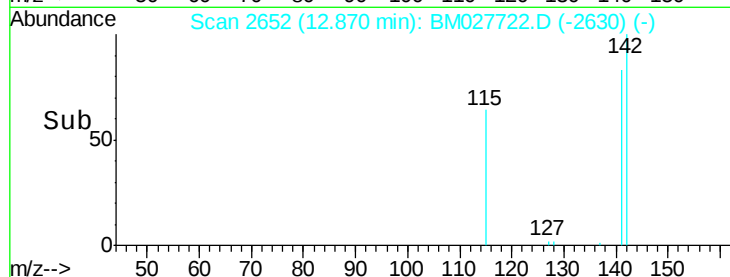
12.87

100

50

0

Time--> 12.80 12.85 12.90



#8

1-Methylnaphthalene

Concen: 0.070 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BM027722.D

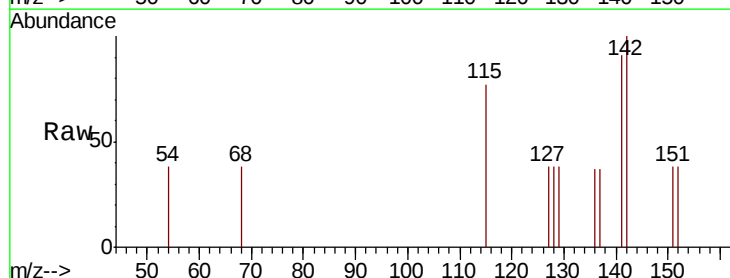
Acq: 05 Nov 2020 17:27

Tgt Ion:142 Resp: 121

Ion Ratio Lower Upper

142 100

141 92.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

150 Ion 141.00 (140.70 to 141.70): E

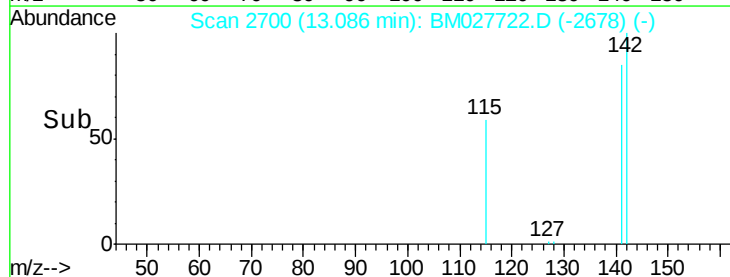
13.09

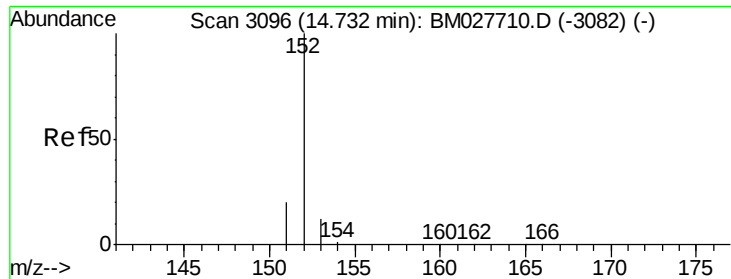
100

50

0

Time--> 13.00 13.05 13.10 13.15





#10

Acenaphthylene

Concen: 0.070 ng/ul

RT: 14.73 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

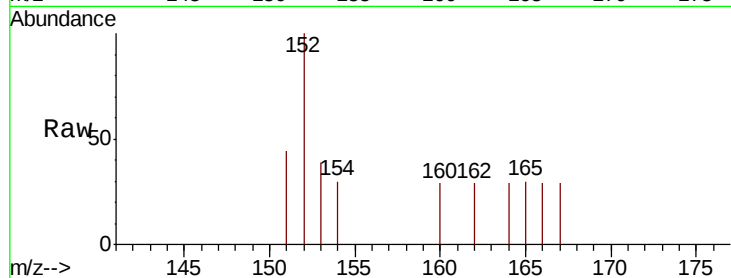
Tot Ion:152 Resp: 177

Ion Ratio Lower Upper

152 100

151 43.9 17.8 26.8#

153 39.0 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

14.73

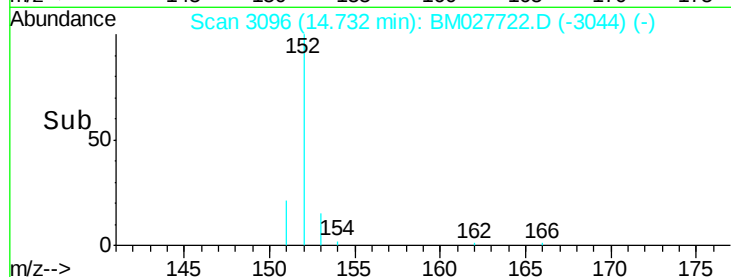
150

100

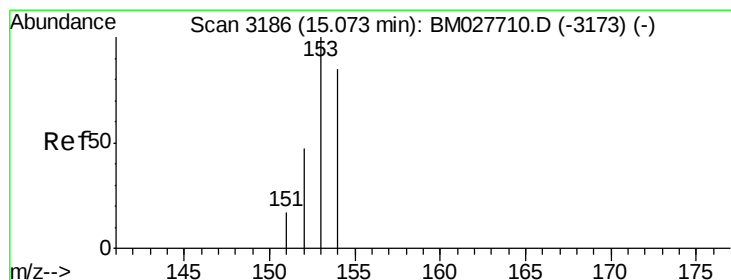
50

0

Time-->



Time-->



#11

Acenaphthene

Concen: 0.070 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

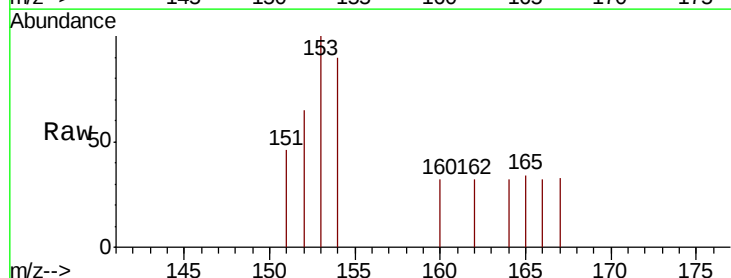
Tgt Ion:153 Resp: 135

Ion Ratio Lower Upper

153 100

152 64.8 40.6 60.8#

154 90.3 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

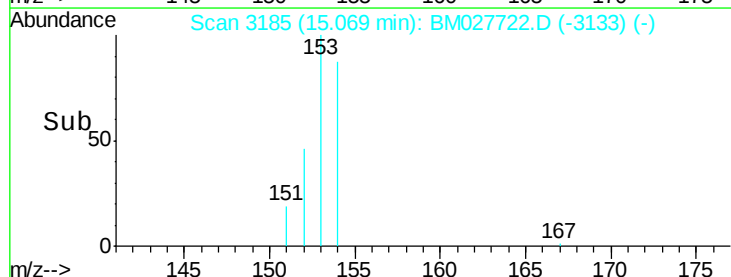
150

100

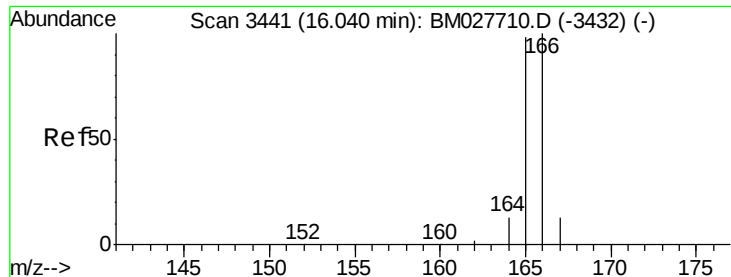
50

0

Time-->



Time-->



#12

Fluorene

Concen: 0.066 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

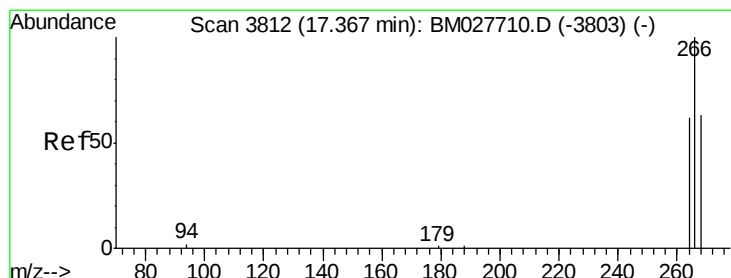
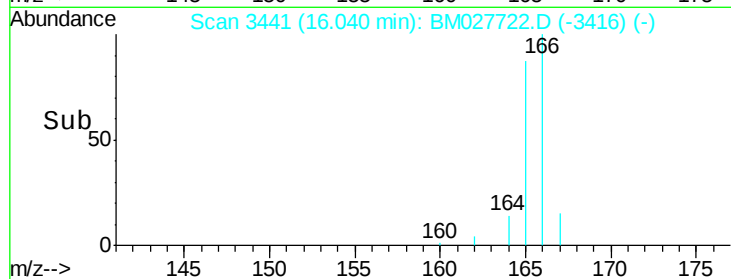
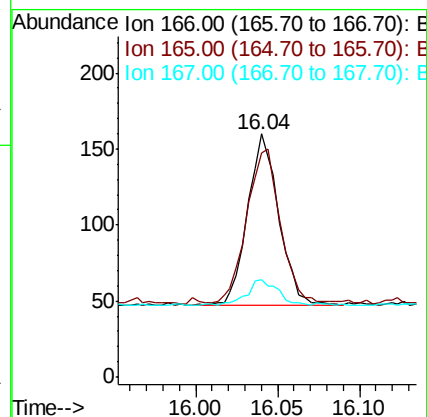
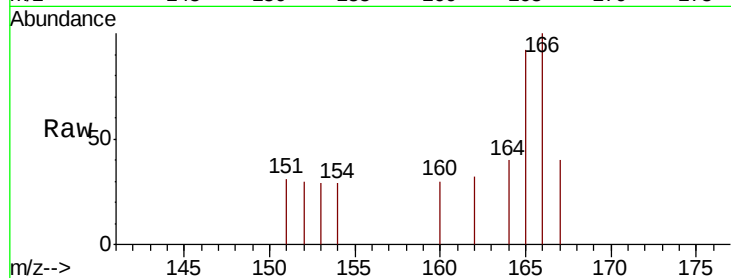
Tot Ion:166 Resp: 151

Ion Ratio Lower Upper

166 100

165 91.9 76.2 114.4

167 40.0 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.083 ng/ul

RT: 17.36 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

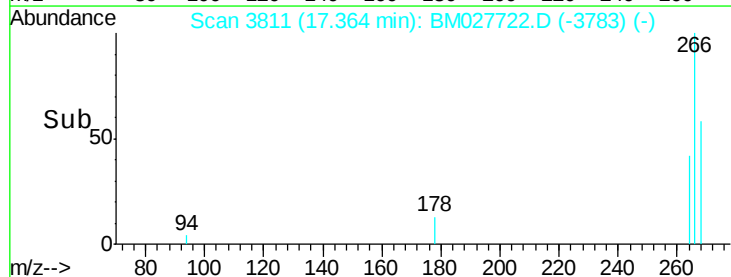
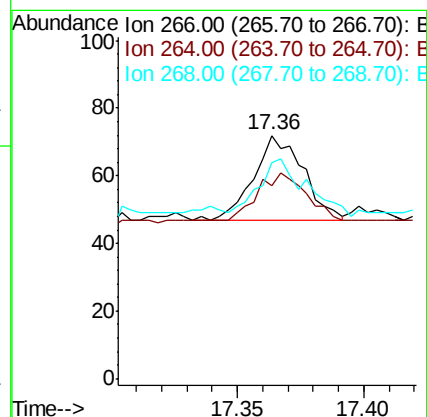
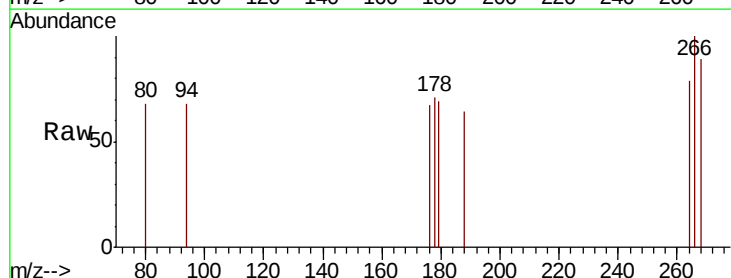
Tgt Ion:266 Resp: 34

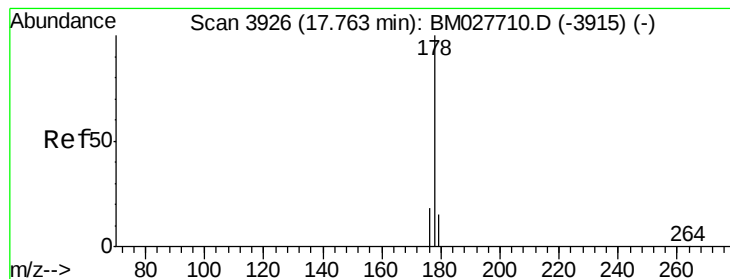
Ion Ratio Lower Upper

266 100

264 70.6 48.2 72.4

268 76.5 53.4 80.0





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

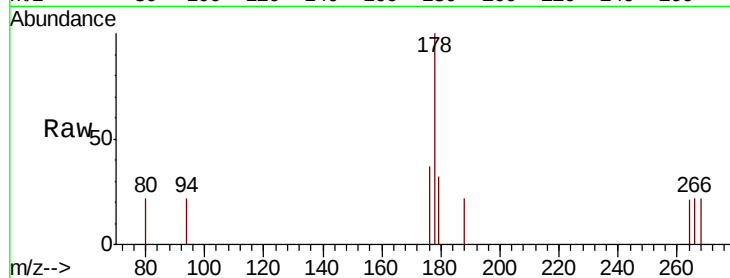
Tot Ion:178 Resp: 252

Ion Ratio Lower Upper

178 100

179 32.4 14.6 22.0#

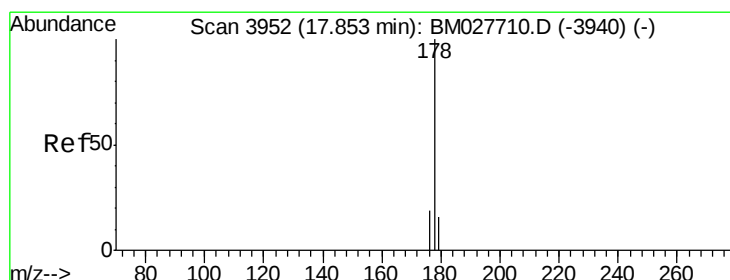
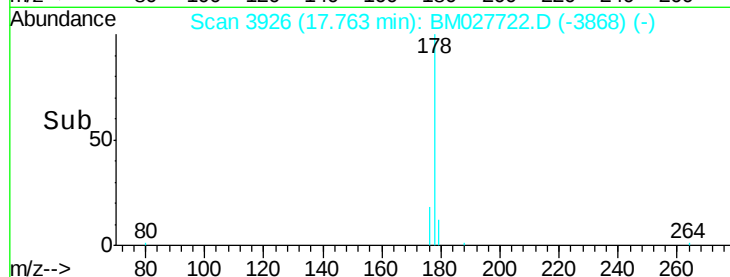
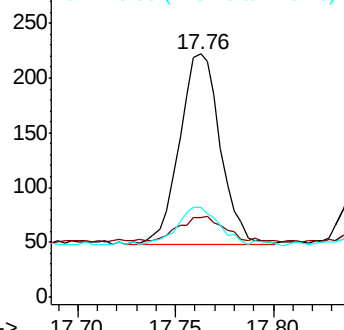
176 36.9 18.2 27.2#



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: 0.070 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

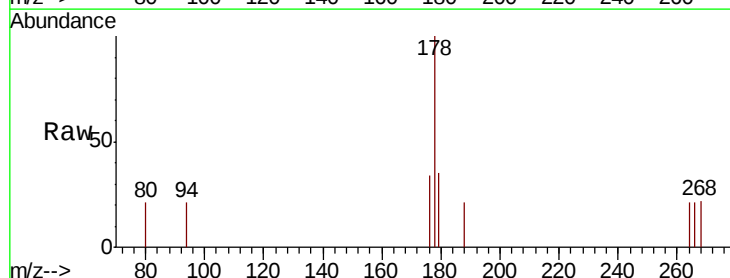
Tgt Ion:178 Resp: 251

Ion Ratio Lower Upper

178 100

179 34.8 14.1 21.1#

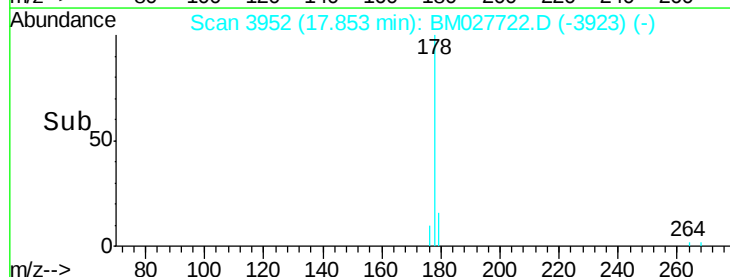
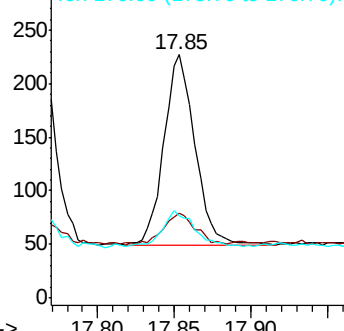
176 33.9 16.3 24.5#

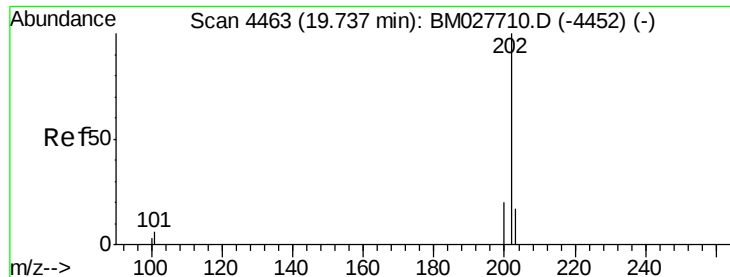


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.073 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

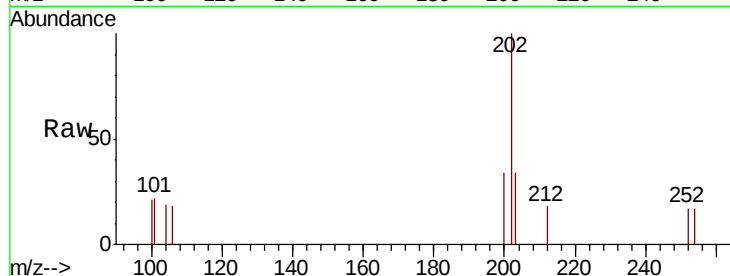
Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

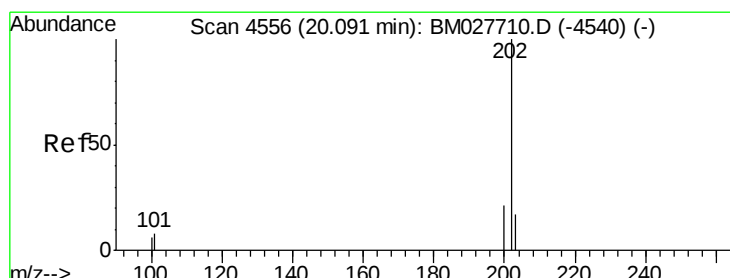
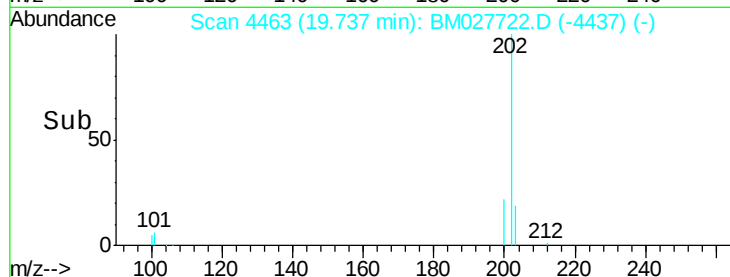
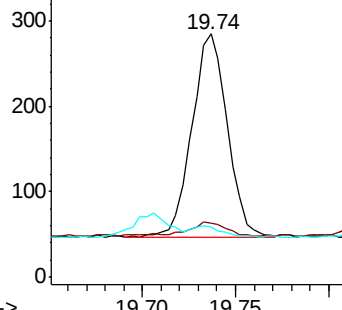
Tot Ion:202	Resp:	312
Ion Ratio	Lower	Upper
202	100	
101	22.1	6.1 9.1#
100	20.7	5.8 8.6#



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: 0.071 ng/ul

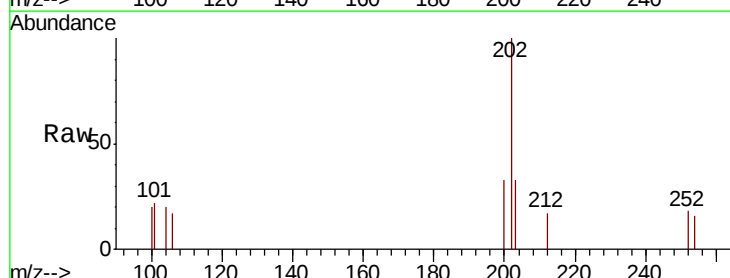
RT: 20.09 min Scan# 4556

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

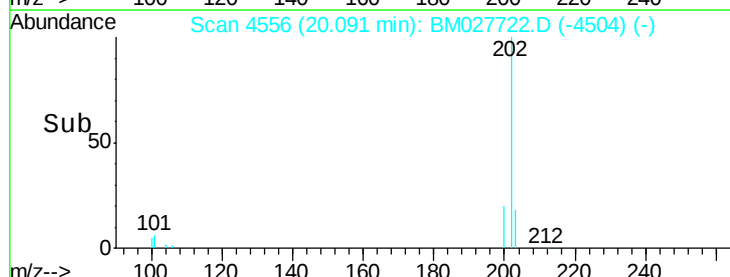
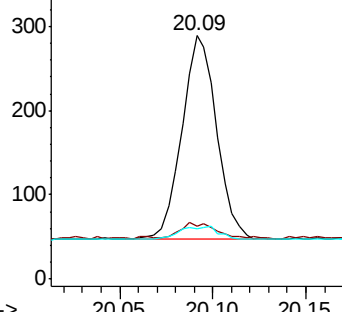
Tgt Ion:202	Resp:	315
Ion Ratio	Lower	Upper
202	100	
101	21.8	7.4 11.0#
100	20.4	6.6 9.8#

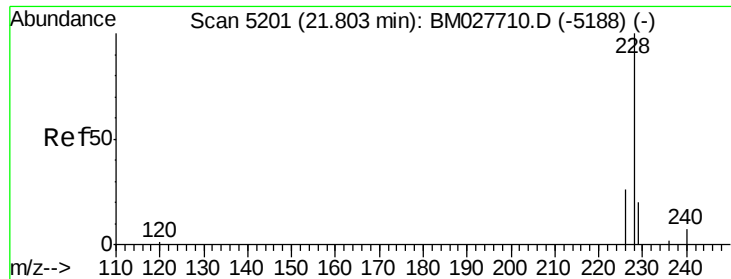


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

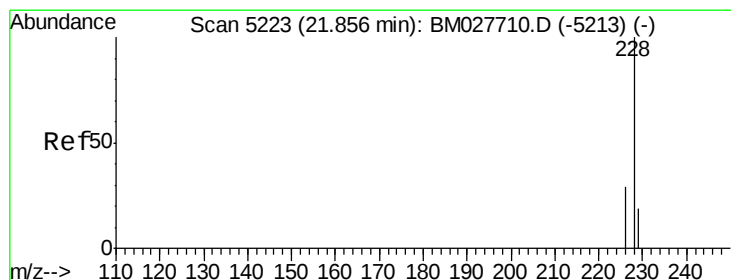
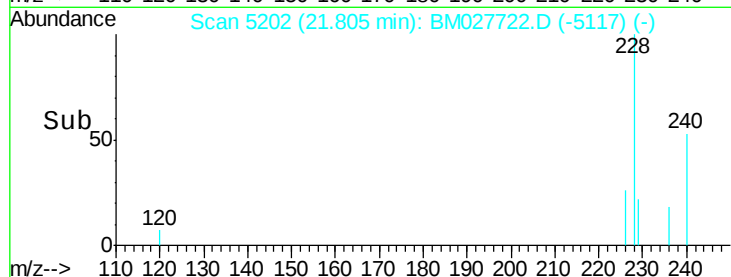
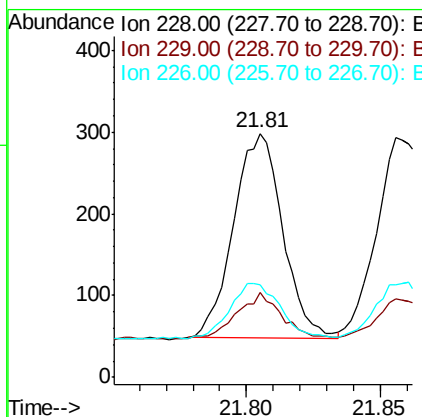
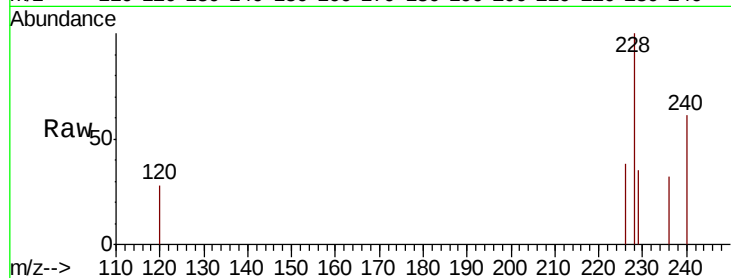




#21
Benzo(a)anthracene
Concen: 0.077 ng/ul
RT: 21.81 min Scan# 5202
Delta R.T. 0.00 min
Lab File: BM027722.D
Acq: 05 Nov 2020 17:27

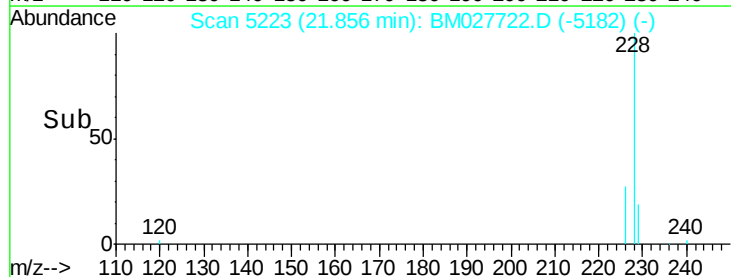
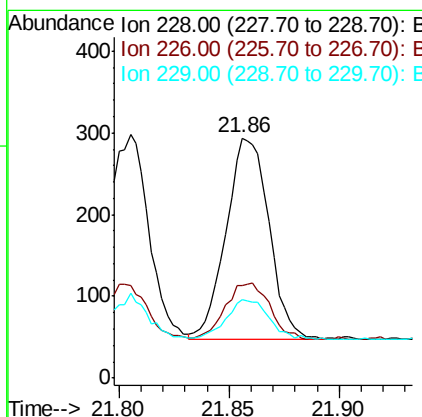
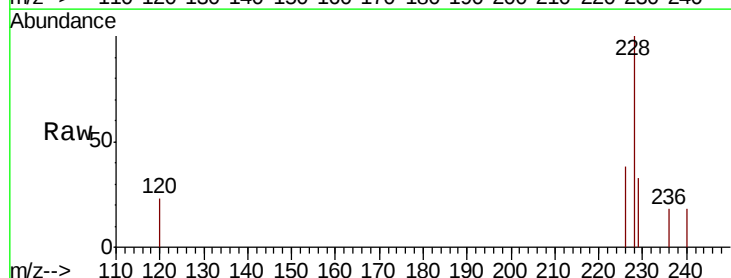
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03

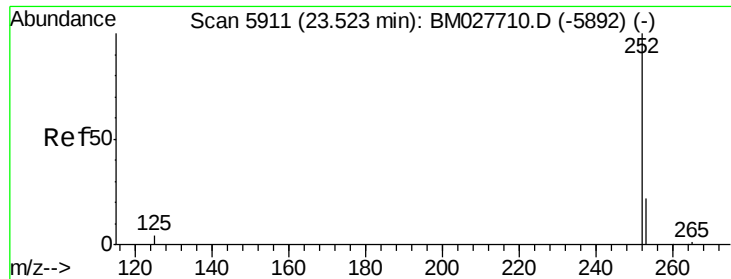
Tot Ion:228 Resp: 320
Ion Ratio Lower Upper
228 100
229 34.9 17.0 25.4#
226 37.9 22.0 33.0#



#22
Chrysene
Concen: 0.078 ng/ul
RT: 21.86 min Scan# 5223
Delta R.T. -0.00 min
Lab File: BM027722.D
Acq: 05 Nov 2020 17:27

Tgt Ion:228 Resp: 334
Ion Ratio Lower Upper
228 100
226 38.4 24.0 36.0#
229 32.7 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.080 ng/ul

RT: 23.52 min Scan# 5911

Delta R.T. 0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

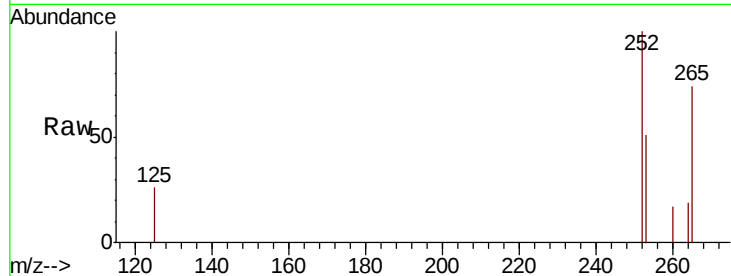
Tot Ion:252 Resp: 338

Ion Ratio Lower Upper

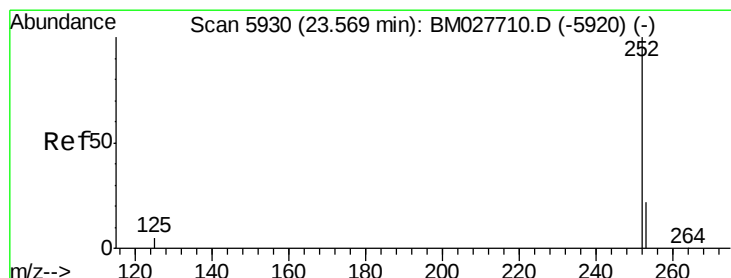
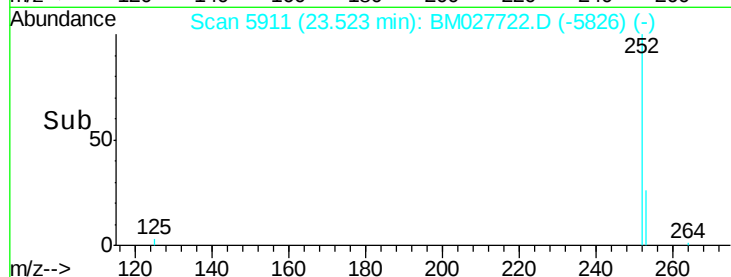
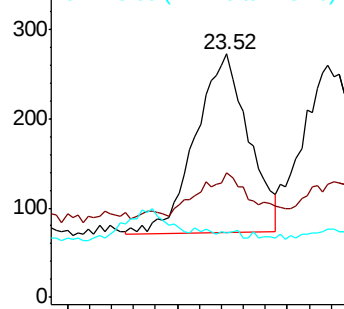
252 100

253 51.5 0.0 53.0

125 26.5 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: 0.076 ng/ul

RT: 23.57 min Scan# 5930

Delta R.T. 0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

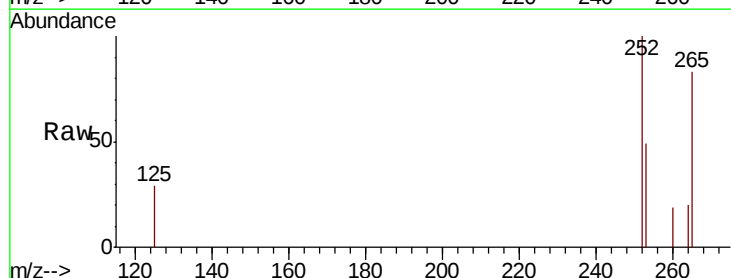
Tgt Ion:252 Resp: 319

Ion Ratio Lower Upper

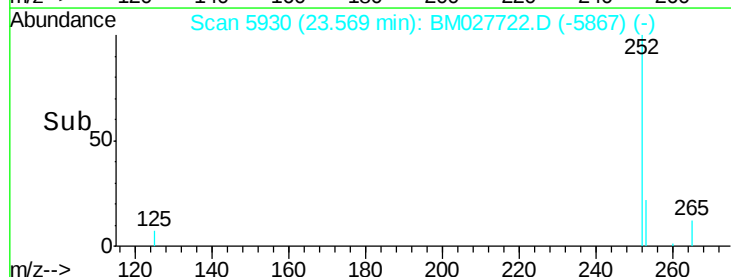
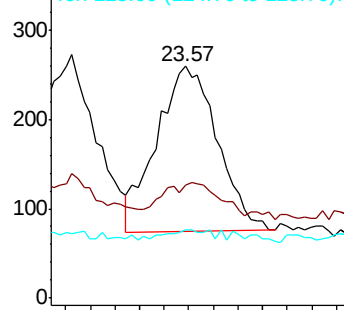
252 100

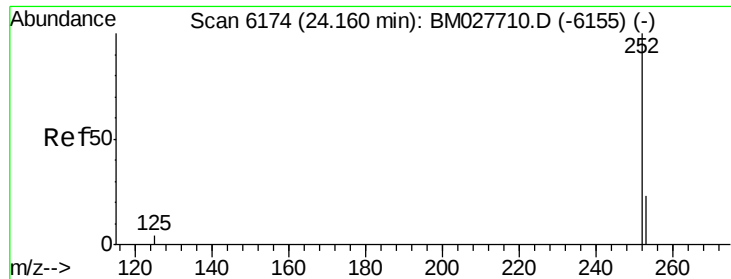
253 49.0 21.4 32.2#

125 29.3 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: 0.078 ng/u1

RT: 24.16 min Scan# 6173

Delta R.T. -0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

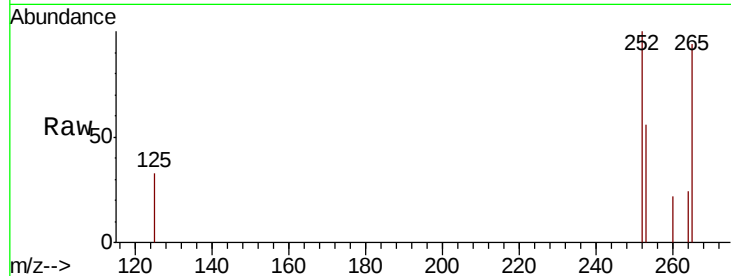
Tot Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 56.1 22.3 33.5#

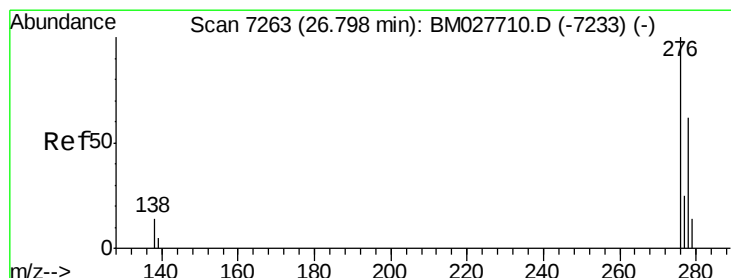
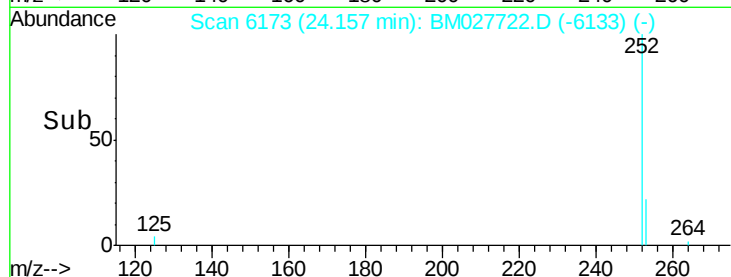
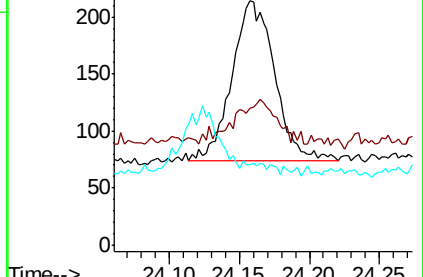
125 32.7 8.8 13.2#



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: 0.080 ng/u1

RT: 26.81 min Scan# 7266

Delta R.T. 0.00 min

Lab File: BM027722.D

Acq: 05 Nov 2020 17:27

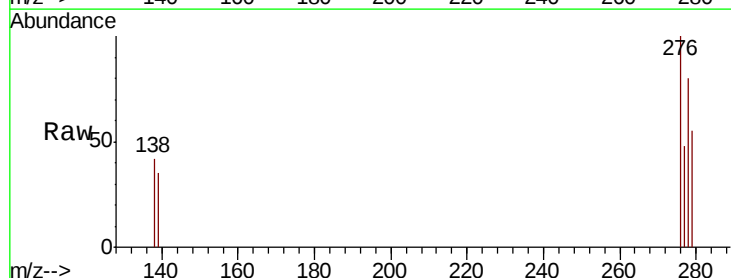
Tgt Ion:276 Resp: 357

Ion Ratio Lower Upper

276 100

138 7.3 11.0 16.6#

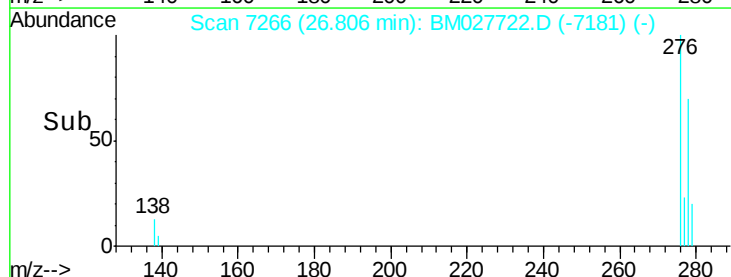
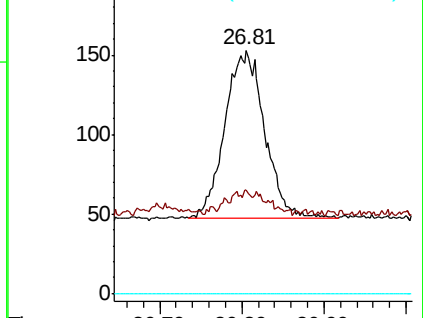
227 0.0 0.0 0.0

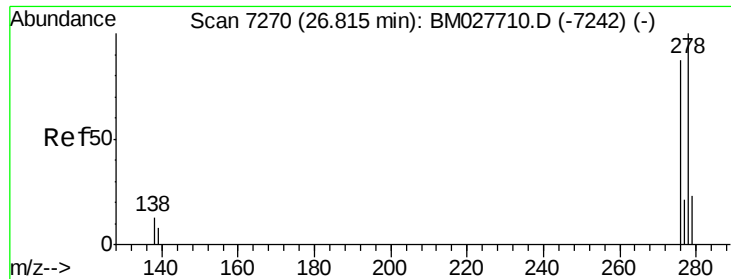


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

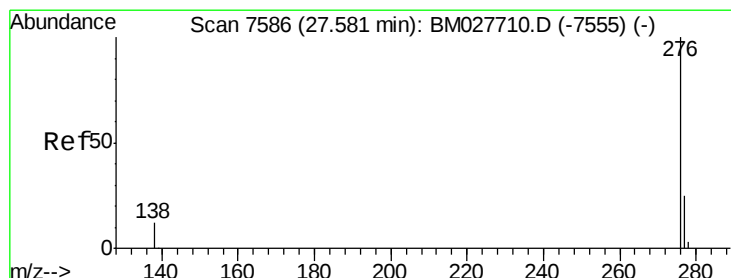
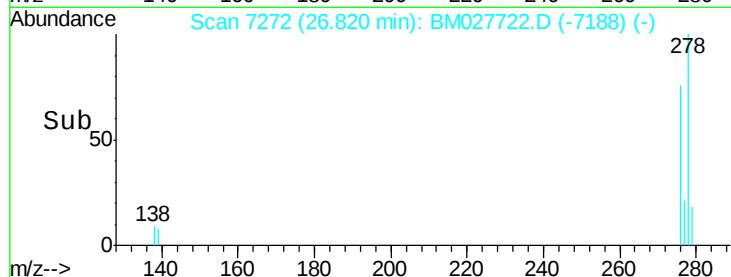
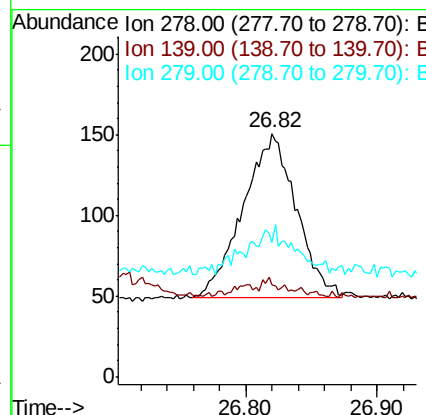
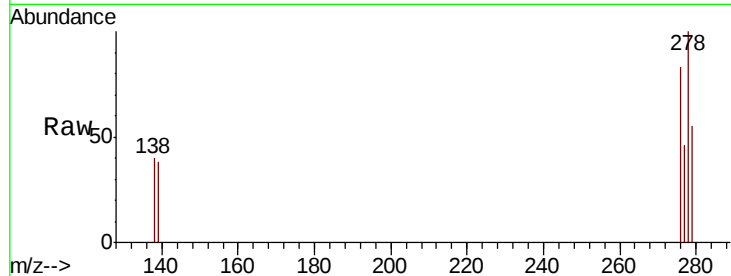




#28
Dibenzo(a,h)anthracene
Concen: 0.077 ng/u1
RT: 26.82 min Scan# 7272
Delta R.T. 0.00 min
Lab File: BM027722.D
Acq: 05 Nov 2020 17:27

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.7	12.6	18.8#
279	55.0	24.3	36.5#



#29
Benzo(g,h,i)perylene
Concen: 0.079 ng/u1
RT: 27.58 min Scan# 7585
Delta R.T. -0.01 min
Lab File: BM027722.D
Acq: 05 Nov 2020 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.4	15.0	22.4#
277	53.2	24.2	36.2#

