

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027153.D
 Acq On : 20 Aug 2020 12:20
 Operator : JU/CG
 Sample : L1955-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-07

Quant Time: Aug 20 12:57:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 06:55:50 2020
 Response via : Initial Calibration

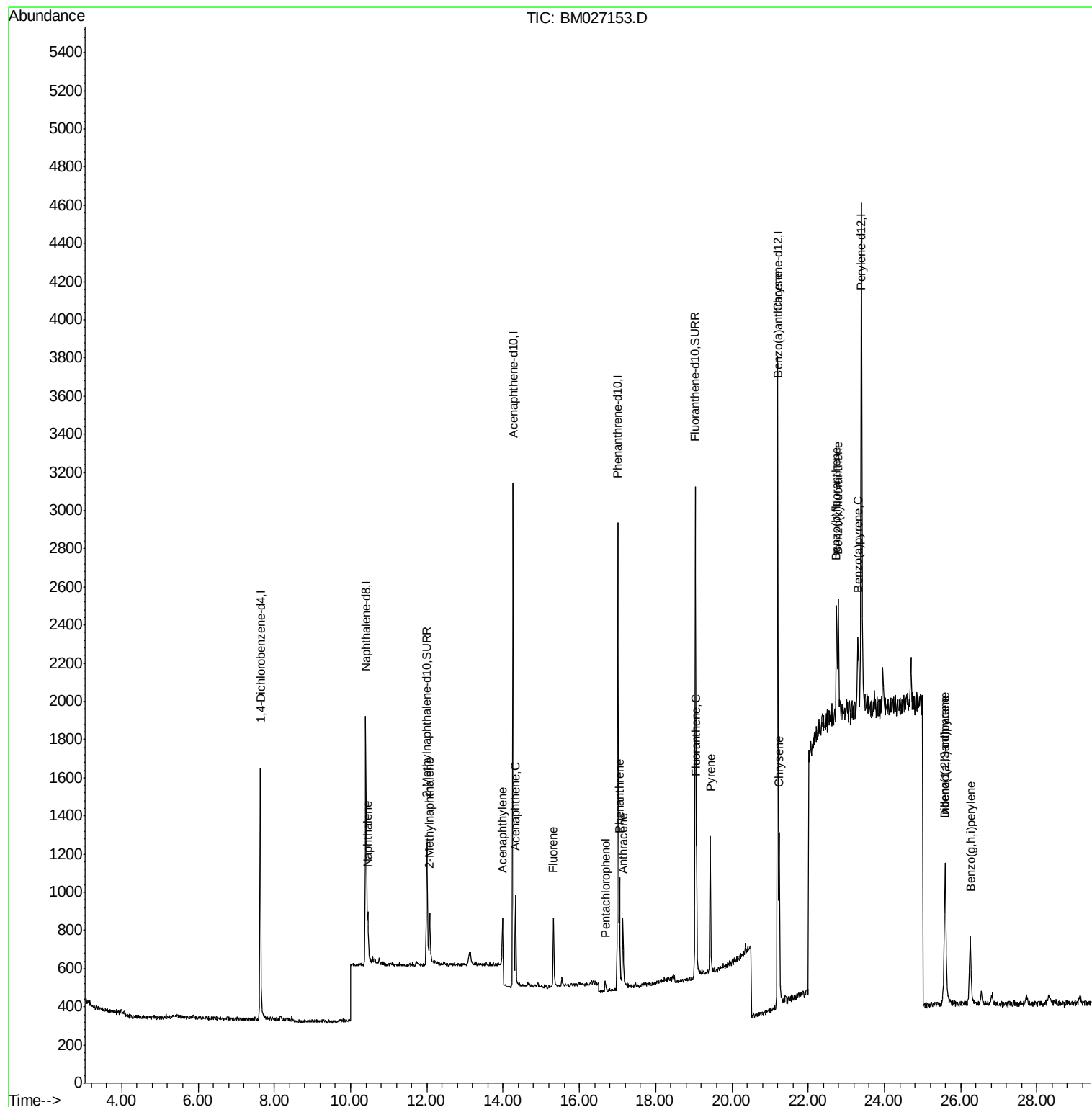
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	746	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2261	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1522	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	3495	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3230	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	3601	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1185	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3321	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	346	0.051	ng/ul#	56
5) 2-Methylnaphthalene	12.07	142	213	0.046	ng/ul	98
7) Acenaphthylene	13.98	152	317	0.048	ng/ul#	70
8) Acenaphthene	14.33	153	270	0.047	ng/ul	95
9) Fluorene	15.32	166	289	0.042	ng/ul#	90
11) Pentachlorophenol	16.68	266	54	0.047	ng/ul#	89
12) Phenanthrene	17.05	178	607	0.051	ng/ul#	77
13) Anthracene	17.14	178	450	0.042	ng/ul#	71
15) Fluoranthene	19.07	202	727	0.051	ng/ul	80
17) Pyrene	19.43	202	739	0.054	ng/ul#	84
18) Benzo(a)anthracene	21.19	228	650	0.051	ng/ul#	85
19) Chrysene	21.24	228	794	0.057	ng/ul#	91
21) Benzo(b)fluoranthene	22.74	252	777	0.050	ng/ul#	50
22) Benzo(k)fluoranthene	22.79	252	896	0.056	ng/ul#	43
23) Benzo(a)pyrene	23.30	252	648	0.046	ng/ul#	37
24) Indeno(1,2,3-cd)pyrene	25.59	276	929	0.048	ng/ul#	64
25) Dibenzo(a,h)anthracene	25.60	278	730	0.046	ng/ul#	31
26) Benzo(g,h,i)perylene	26.25	276	794	0.048	ng/ul#	69

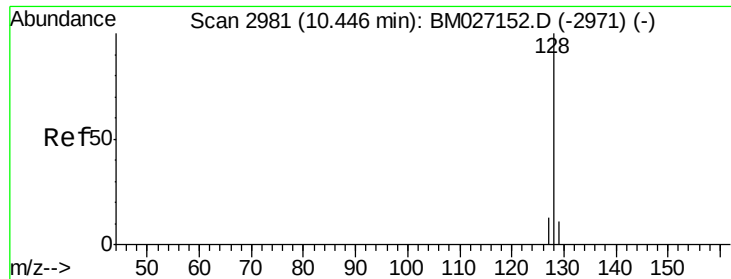
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

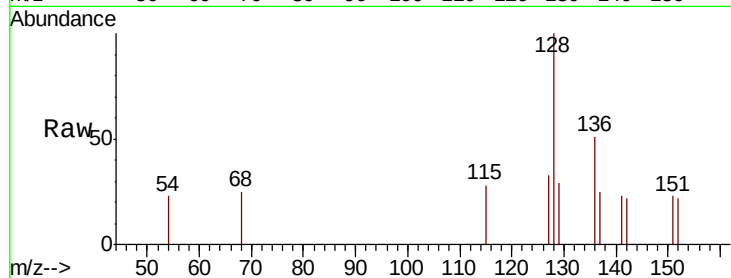
Tot Ion:128 Resp: 346

Ion Ratio Lower Upper

128 100

129 29.3 10.1 15.1#

127 32.9 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.45

200

150

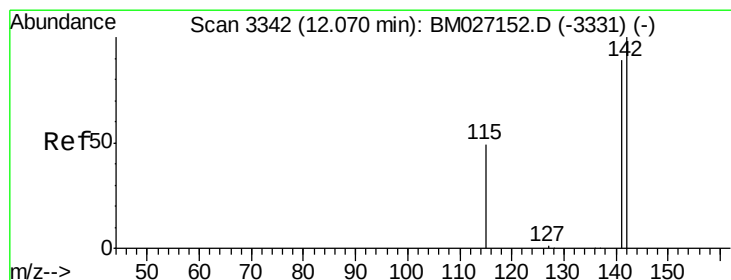
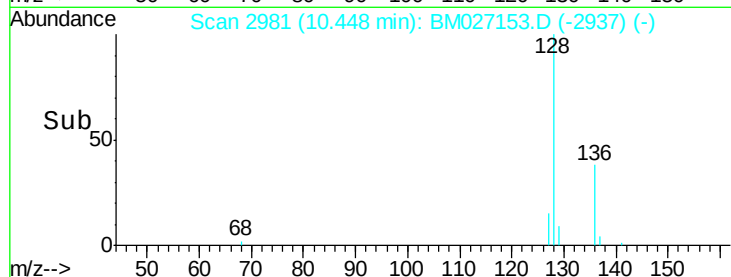
100

50

0

10.40 10.50

Time-->



#5

2-Methylnaphthalene

Concen: 0.046 ng/ul

RT: 12.07 min Scan# 3342

Delta R.T. 0.00 min

Lab File: BM027153.D

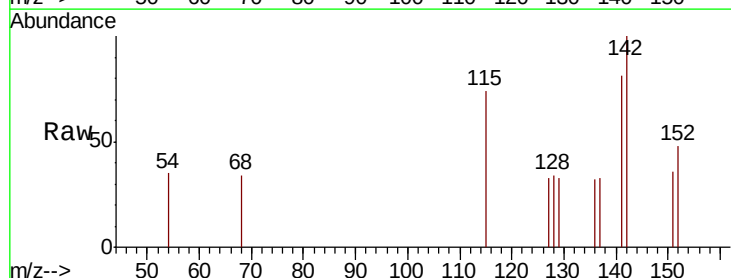
Acq: 20 Aug 2020 12:20

Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

141 89.7 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.07

150

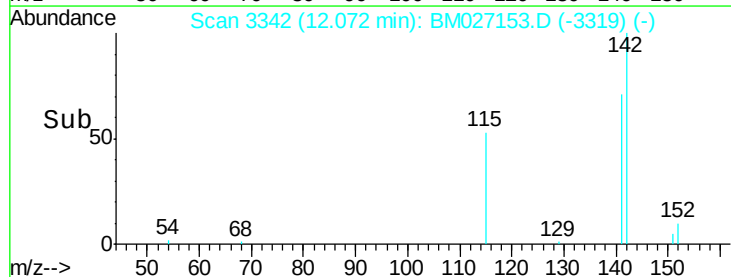
100

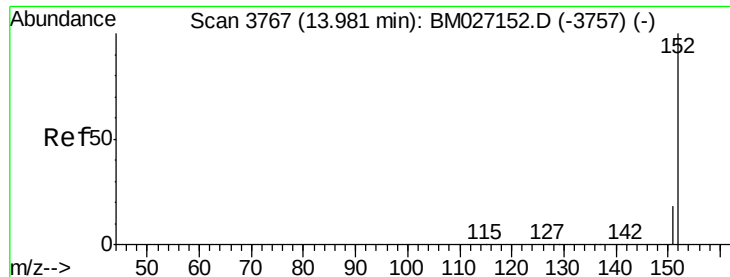
50

0

12.00 12.10

Time-->





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

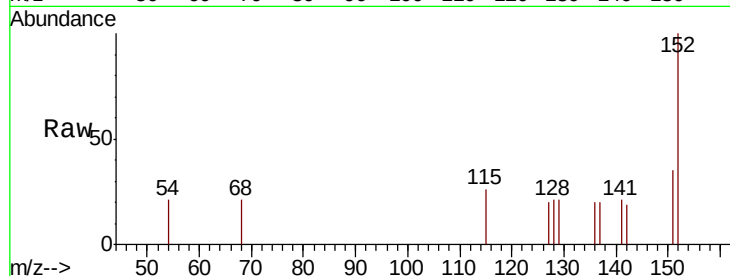
Tot Ion:152 Resp: 317

Ion Ratio Lower Upper

152 100

151 35.1 16.9 25.3#

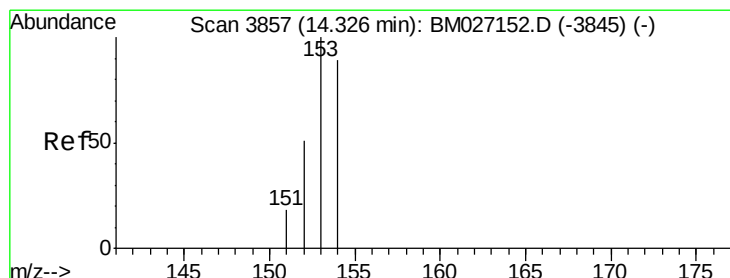
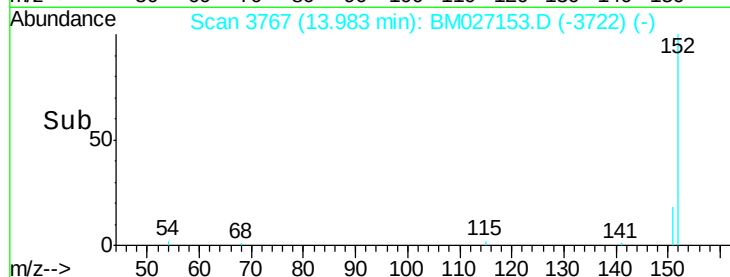
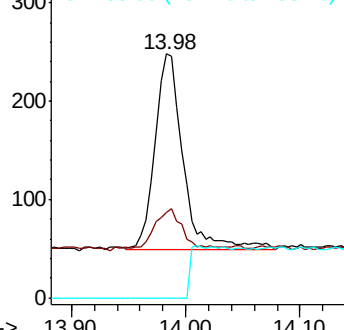
153 0.0 0.0 0.0



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



#8

Acenaphthene

Concen: 0.047 ng/ul

RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

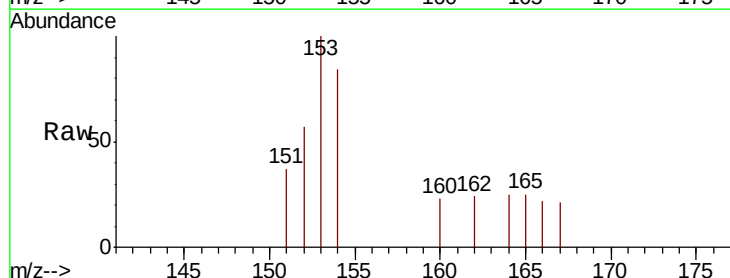
Tgt Ion:153 Resp: 270

Ion Ratio Lower Upper

153 100

152 57.0 40.9 61.3

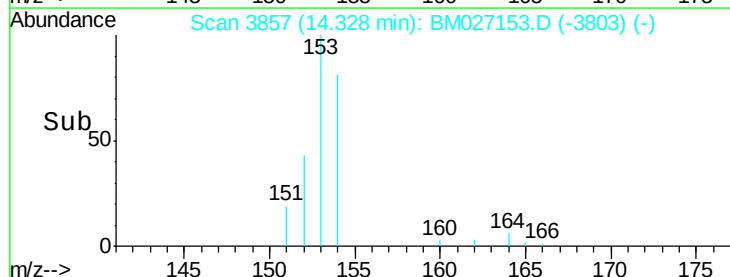
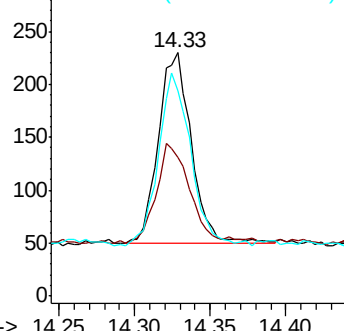
154 84.3 70.0 105.0

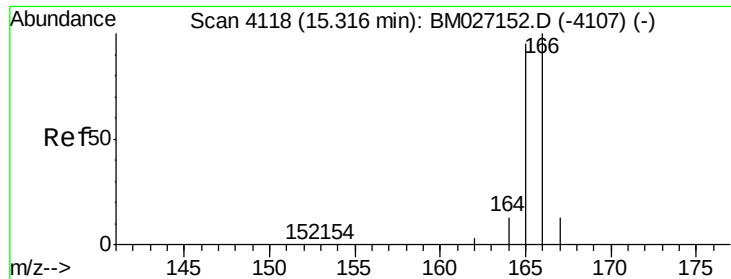


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.042 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

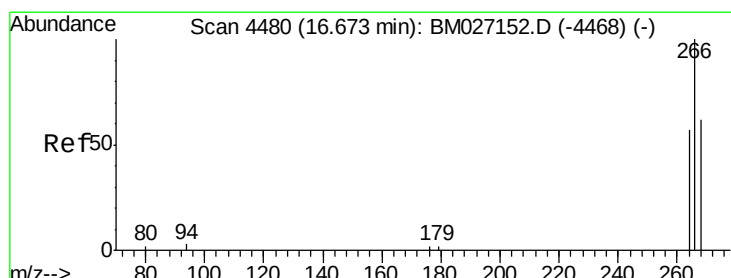
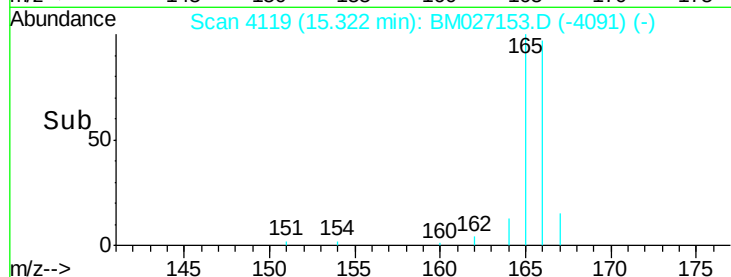
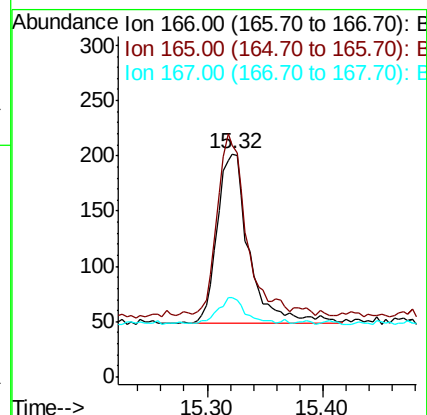
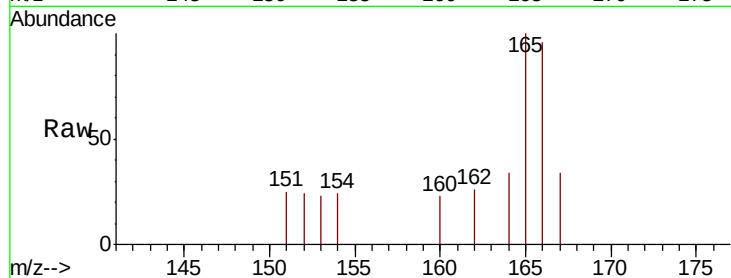
Tot Ion:166 Resp: 289

Ion Ratio Lower Upper

166 100

165 104.0 79.8 119.6

167 35.6 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.047 ng/ul

RT: 16.68 min Scan# 4482

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

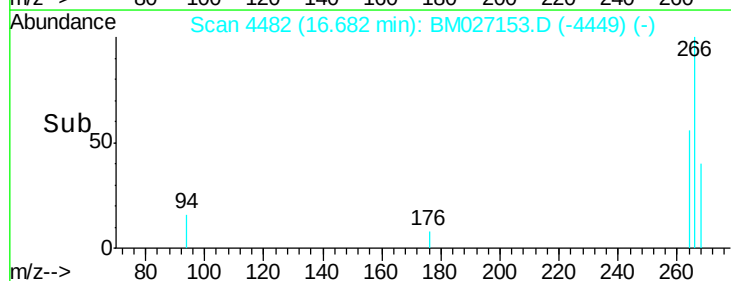
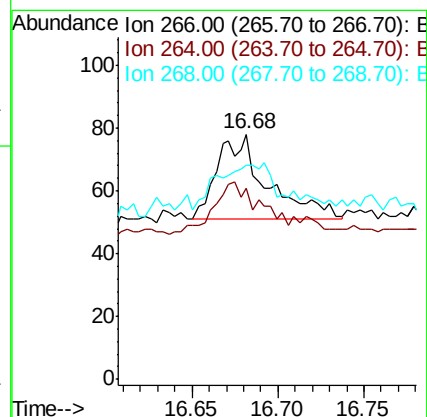
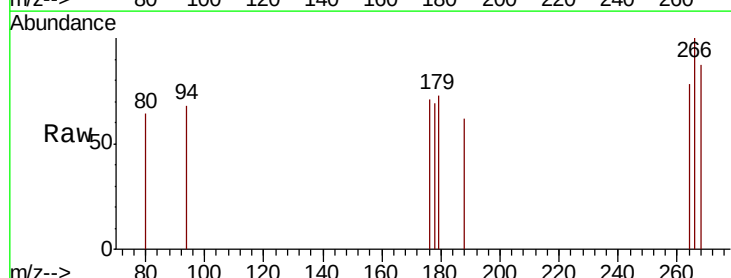
Tgt Ion:266 Resp: 54

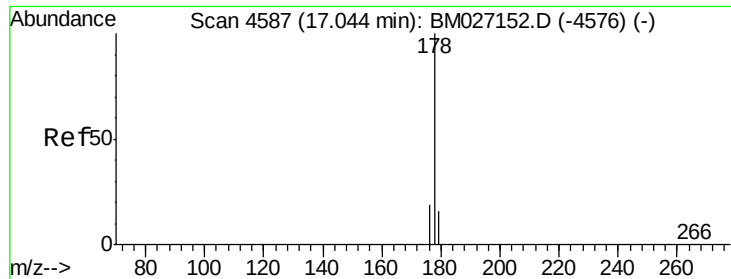
Ion Ratio Lower Upper

266 100

264 61.1 47.8 71.8

268 75.9 48.5 72.7#





#12

Phenanthrene

Concen: 0.051 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

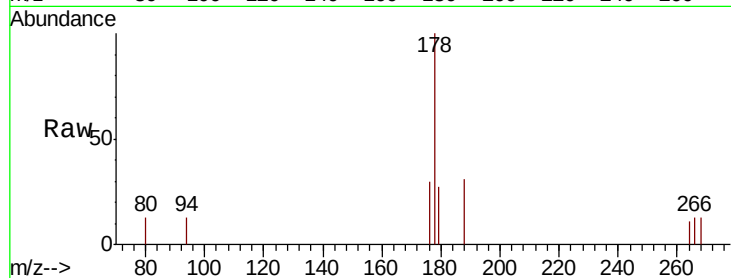
Tot Ion:178 Resp: 607

Ion Ratio Lower Upper

178 100

179 27.4 13.4 20.2#

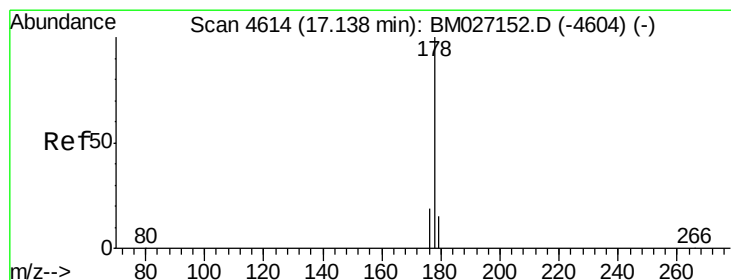
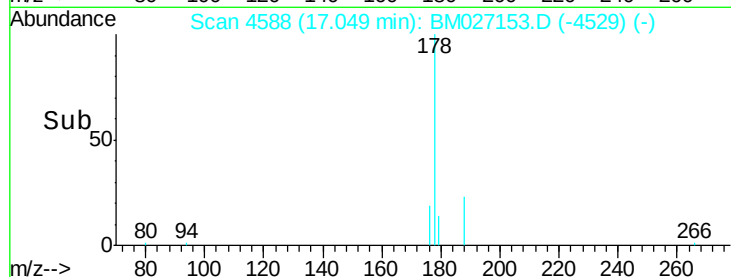
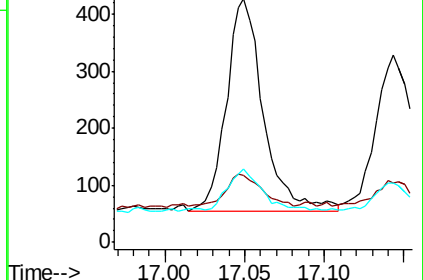
176 30.0 16.0 24.0#



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



#13

Anthracene

Concen: 0.042 ng/ul

RT: 17.14 min Scan# 4615

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

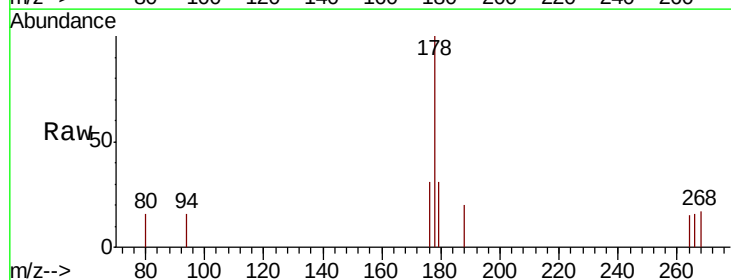
Tgt Ion:178 Resp: 450

Ion Ratio Lower Upper

178 100

179 31.4 13.7 20.5#

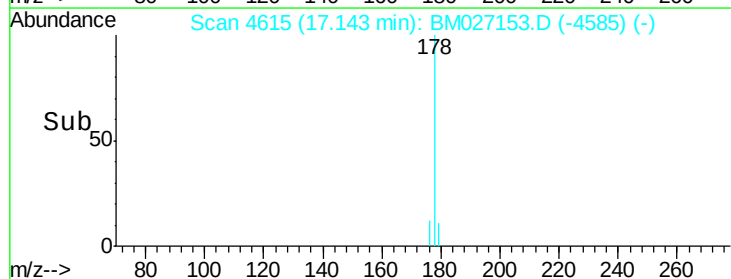
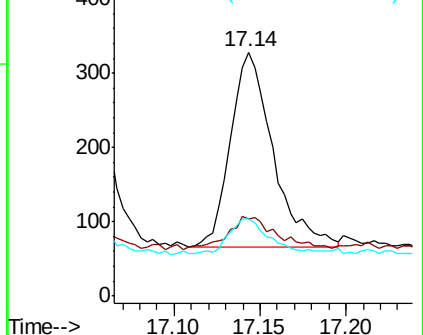
176 31.4 15.5 23.3#

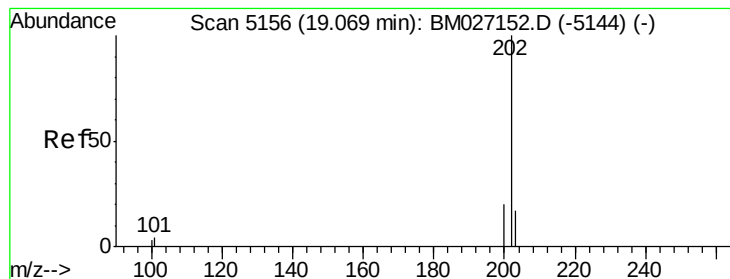


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.051 ng/ul

RT: 19.07 min Scan# 5155

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

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ClientSampleId :

MDL-WATER-07

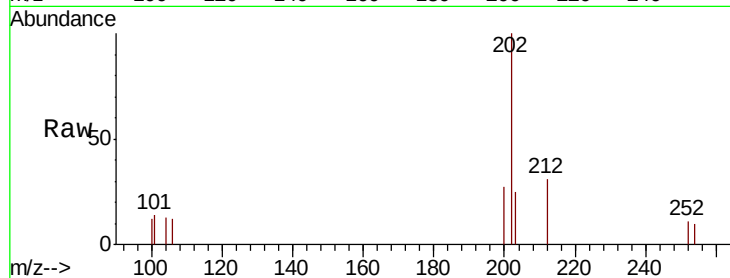
Tot Ion:202 Resp: 727

Ion Ratio Lower Upper

202 100

101 13.9 0.0 27.1

100 12.3 0.0 25.7



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

19.07

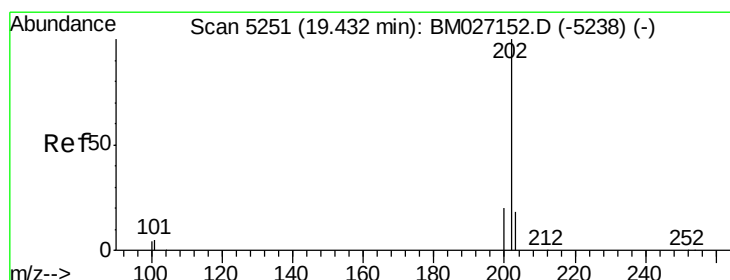
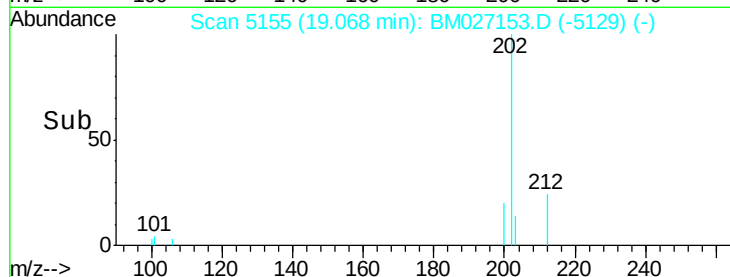
600

400

200

0

Time-->



#17

Pyrene

Concen: 0.054 ng/ul

RT: 19.43 min Scan# 5251

Delta R.T. 0.00 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

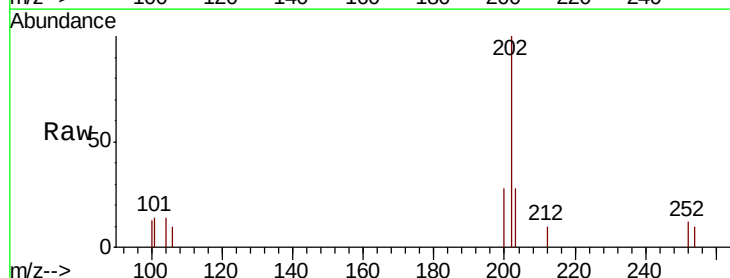
Tgt Ion:202 Resp: 739

Ion Ratio Lower Upper

202 100

101 13.7 6.6 9.8#

100 12.8 5.6 8.4#



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

19.43

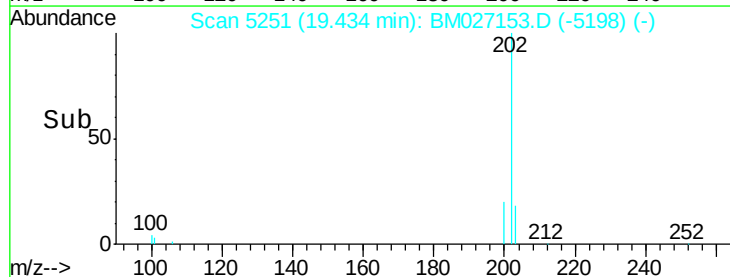
600

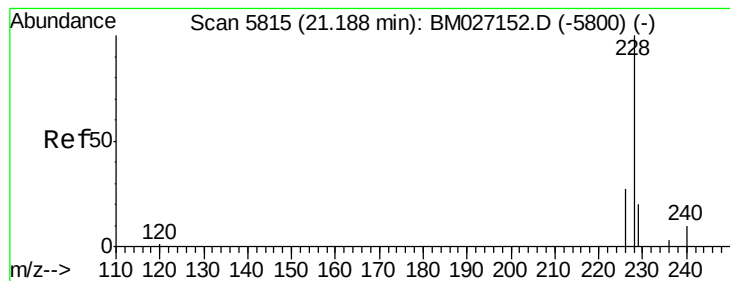
400

200

0

Time-->





#18

Benzo(a)anthracene

Concen: 0.051 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

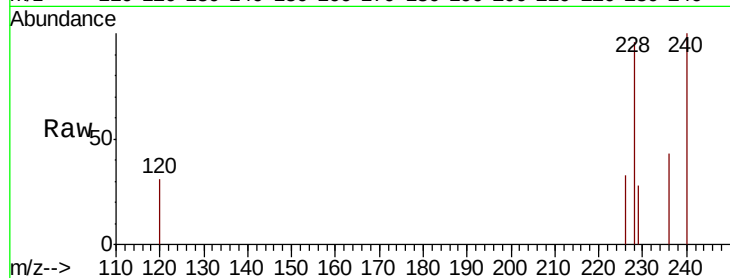
Tot Ion:228 Resp: 650

Ion Ratio Lower Upper

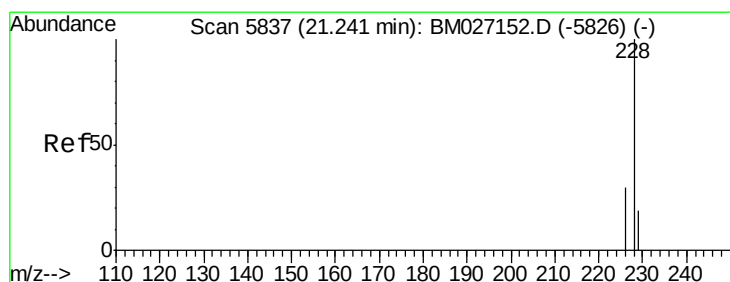
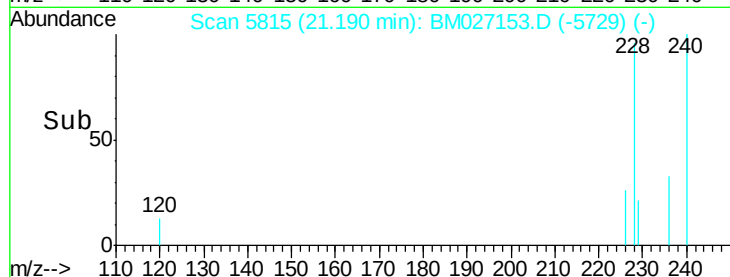
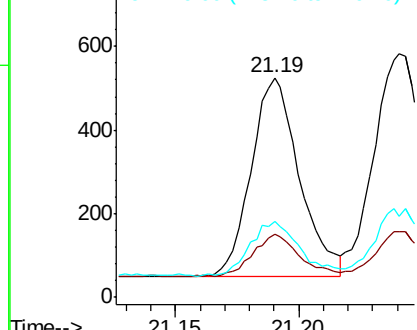
228 100

229 28.9 16.2 24.4#

226 34.8 22.4 33.6#



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



#19

Chrysene

Concen: 0.057 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

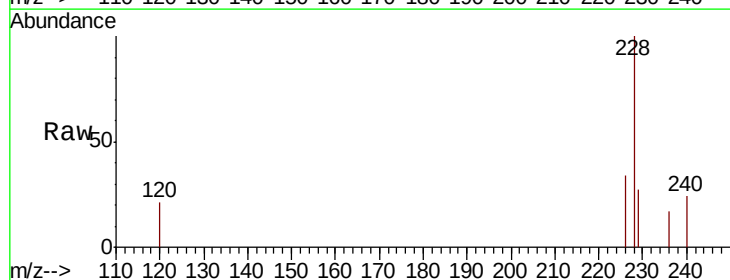
Tgt Ion:228 Resp: 794

Ion Ratio Lower Upper

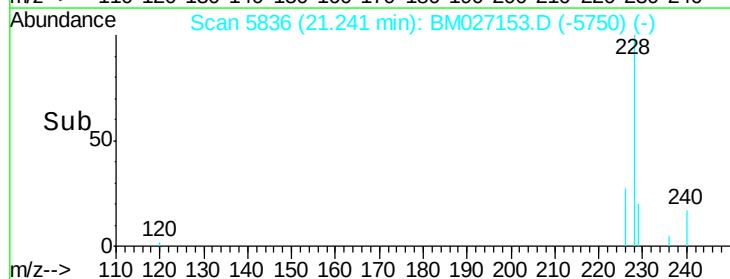
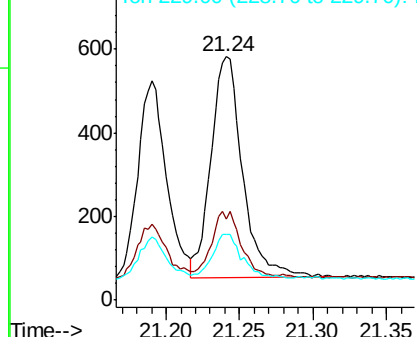
228 100

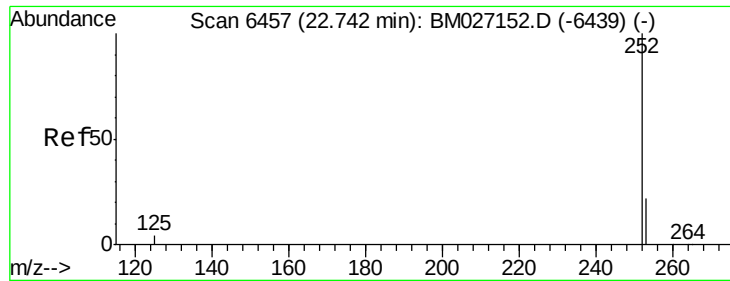
226 33.5 24.6 36.8

229 27.0 15.9 23.9#



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





#21

Benzo(b)fluoranthene

Concen: 0.050 ng/ul

RT: 22.74 min Scan# 6457

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

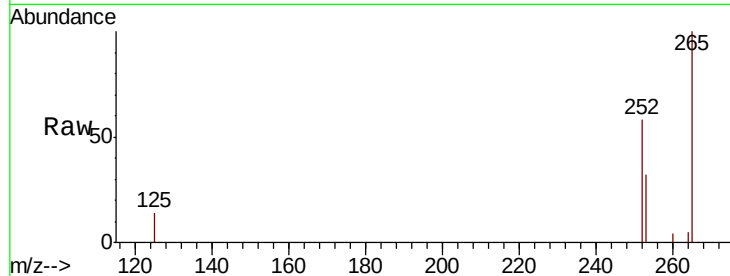
Tot Ion:252 Resp: 777

Ion Ratio Lower Upper

252 100

253 55.6 0.0 54.0#

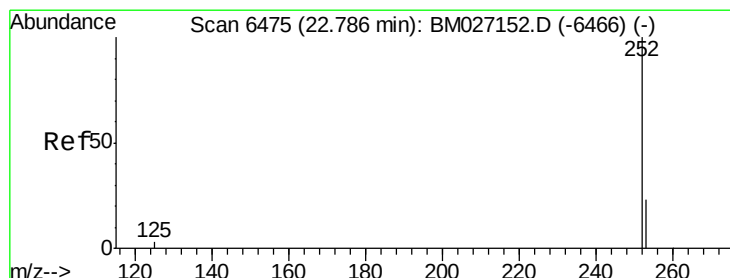
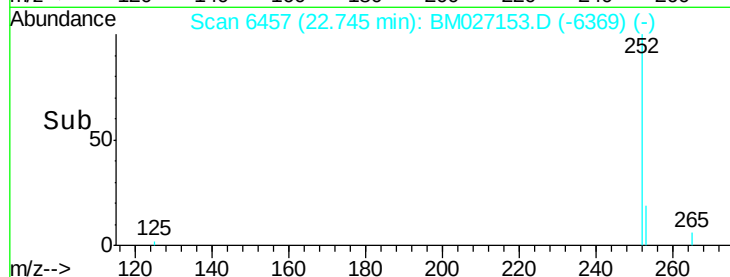
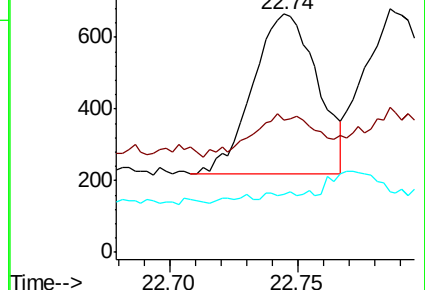
125 24.5 0.0 20.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.056 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

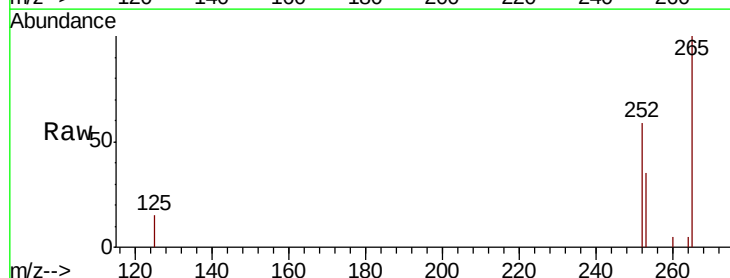
Tgt Ion:252 Resp: 896

Ion Ratio Lower Upper

252 100

253 59.5 21.7 32.5#

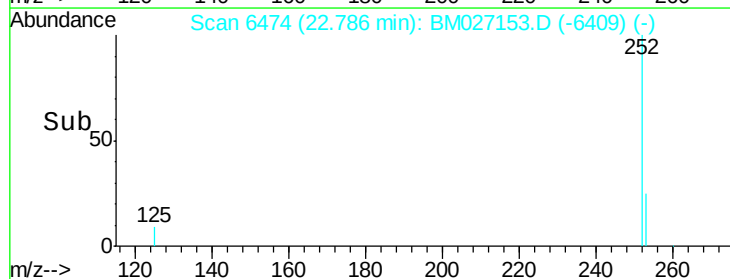
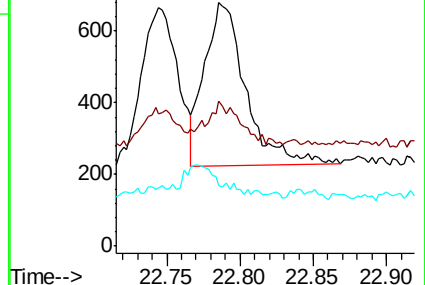
125 25.2 7.9 11.9#

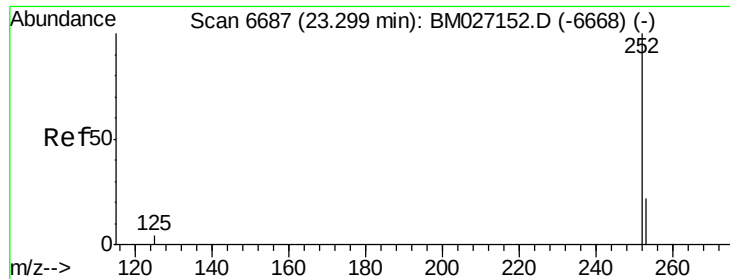


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.046 ng/ul

RT: 23.30 min Scan# 6687

Delta R.T. 0.01 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-07

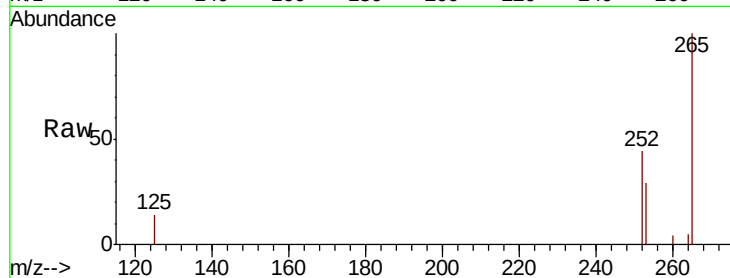
Tot Ion:252 Resp: 648

Ion Ratio Lower Upper

252 100

253 65.4 23.4 35.0#

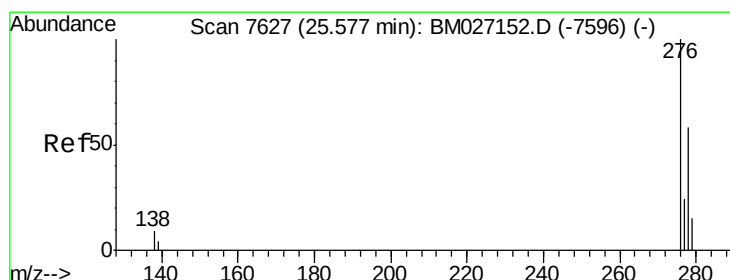
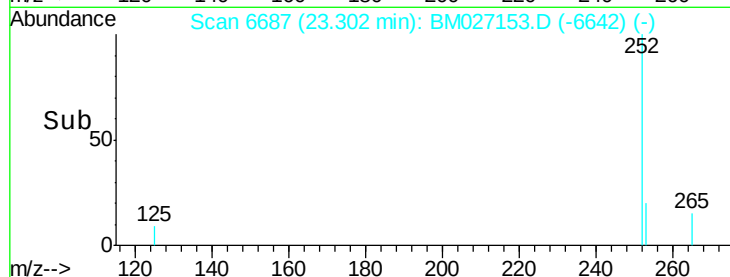
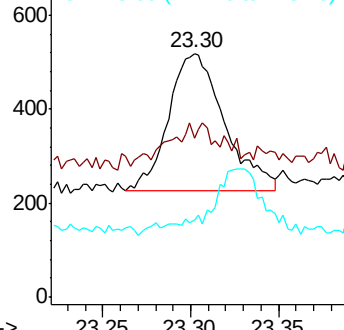
125 31.9 9.4 14.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.048 ng/ul

RT: 25.59 min Scan# 7631

Delta R.T. 0.02 min

Lab File: BM027153.D

Acq: 20 Aug 2020 12:20

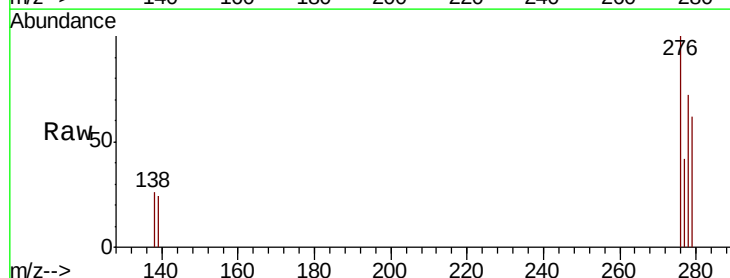
Tgt Ion:276 Resp: 929

Ion Ratio Lower Upper

276 100

138 0.3 12.2 18.2#

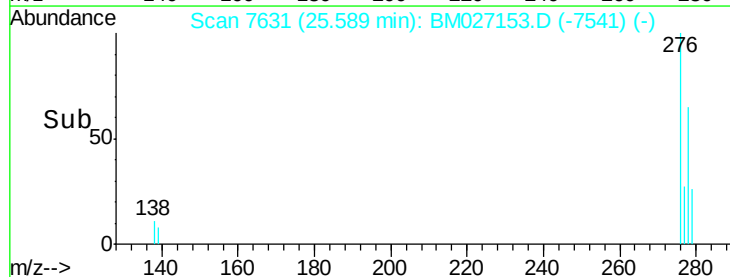
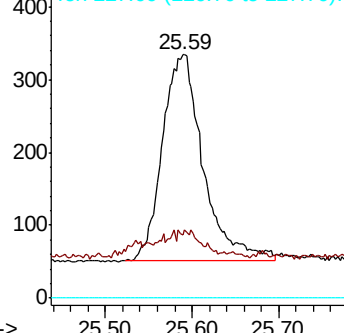
227 0.0 0.0 0.0

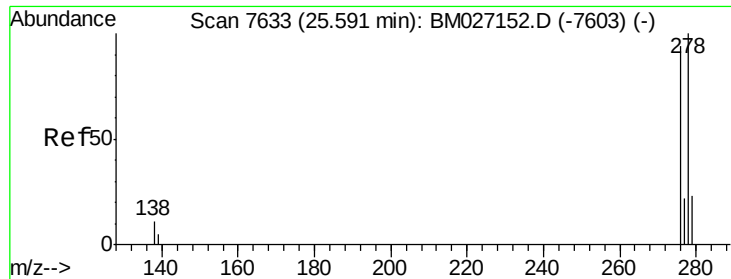


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



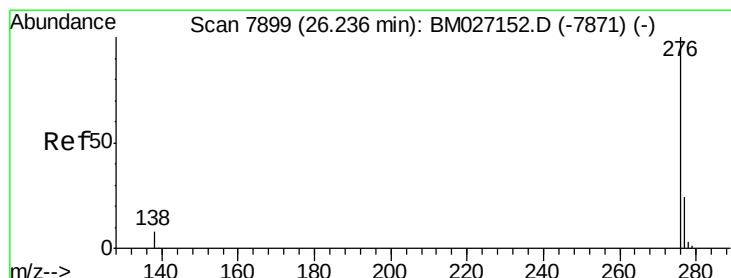
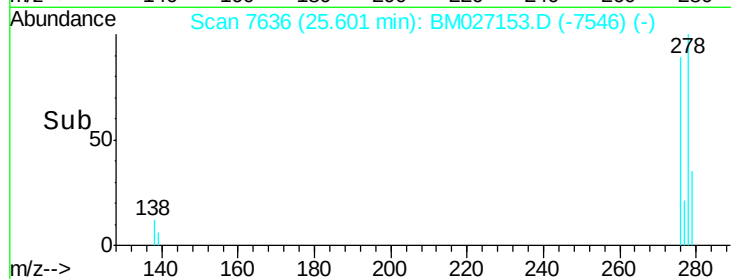
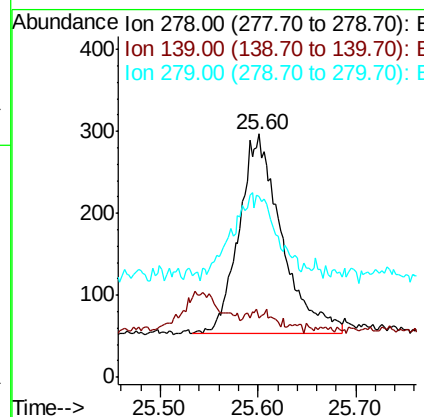
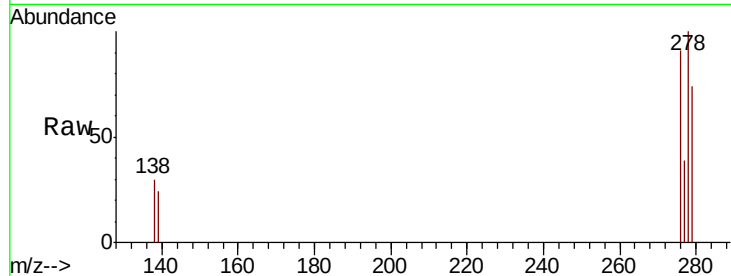


#25
Dibenzo(a,h)anthracene
Concen: 0.046 ng/ul
RT: 25.60 min Scan# 7636
Delta R.T. 0.02 min
Lab File: BM027153.D
Acq: 20 Aug 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-07

Tot Ion:278 Resp: 730

Ion	Ratio	Lower	Upper
278	100		
139	24.2	10.0	15.0#
279	74.4	22.9	34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.048 ng/ul
RT: 26.25 min Scan# 7904
Delta R.T. 0.02 min
Lab File: BM027153.D
Acq: 20 Aug 2020 12:20

Tgt Ion:276 Resp: 794

Ion	Ratio	Lower	Upper
276	100		
138	27.4	12.0	18.0#
277	42.2	20.9	31.3#

