

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081920\
 Data File : BM027137.D
 Acq On : 19 Aug 2020 11:02
 Operator : JU/CG
 Sample : L1955-12
 Misc : MDL-W-05-0.07PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-05

Quant Time: Aug 19 11:53:36 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 : Wed Aug 19 11:15:05 2020
 Response via : Initial Calibration

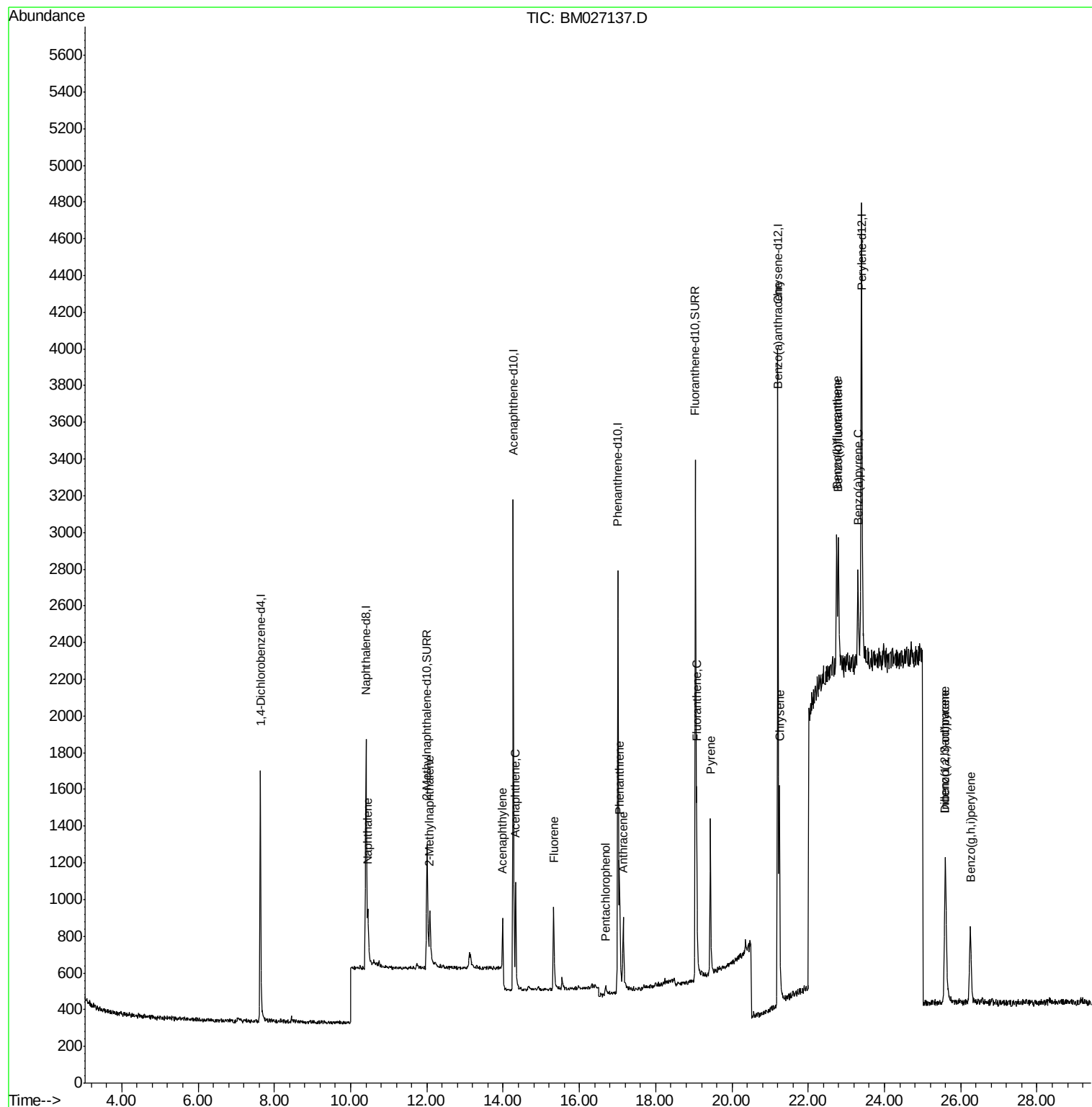
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	745	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	2316	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1536	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	3596	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3493	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	3440	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1425	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3978	0.39	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	387	0.056	ng/ul#	55
5) 2-Methylnaphthalene	12.08	142	262	0.055	ng/ul	93
7) Acenaphthylene	13.98	152	384	0.058	ng/ul#	72
8) Acenaphthene	14.32	153	356	0.061	ng/ul	94
9) Fluorene	15.32	166	432	0.062	ng/ul#	94
11) Pentachlorophenol	16.69	266	56	0.047	ng/ul	96
12) Phenanthrene	17.05	178	719	0.059	ng/ul#	81
13) Anthracene	17.15	178	631	0.057	ng/ul#	70
15) Fluoranthene	19.07	202	886	0.061	ng/ul	80
17) Pyrene	19.44	202	913	0.061	ng/ul#	85
18) Benzo(a)anthracene	21.19	228	856	0.062	ng/ul#	87
19) Chrysene	21.24	228	1079	0.072	ng/ul#	92
21) Benzo(b)fluoranthene	22.75	252	999	0.068	ng/ul#	55
22) Benzo(k)fluoranthene	22.79	252	1112	0.072	ng/ul#	50
23) Benzo(a)pyrene	23.30	252	890	0.067	ng/ul#	41
24) Indeno(1,2,3-cd)pyrene	25.59	276	1141	0.062	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.60	278	953	0.064	ng/ul#	47
26) Benzo(g,h,i)perylene	26.25	276	978	0.061	ng/ul#	69

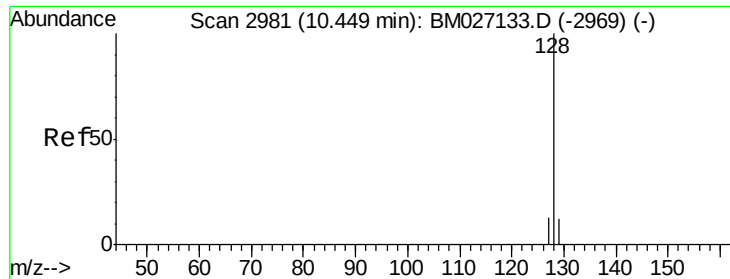
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.056 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

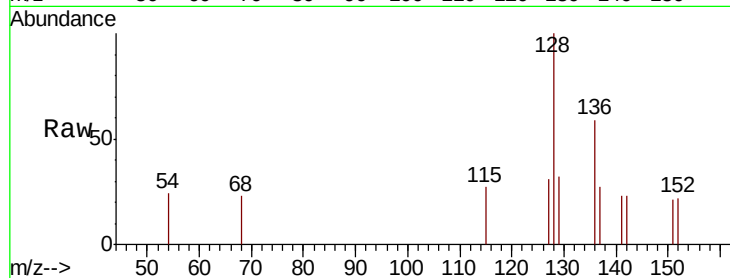
Tot Ion:128 Resp: 387

Ion Ratio Lower Upper

128 100

129 32.3 10.1 15.1#

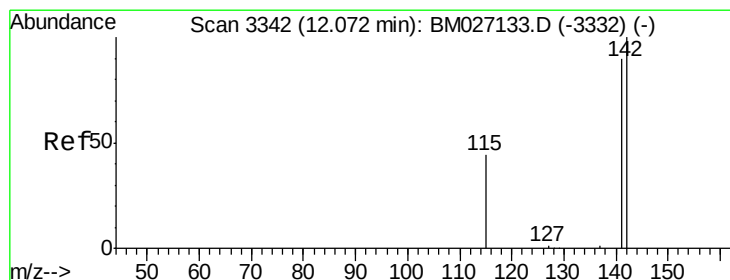
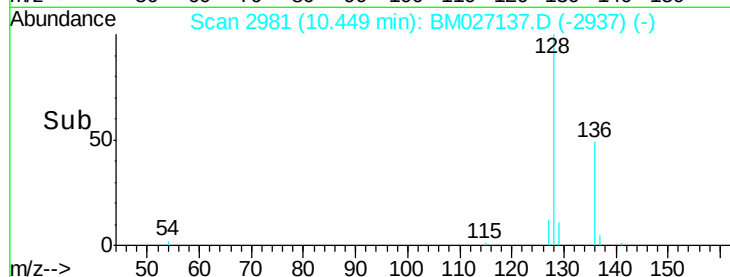
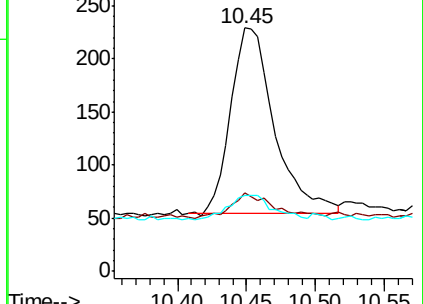
127 31.4 11.6 17.4#



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



#5

2-Methylnaphthalene

Concen: 0.055 ng/ul

RT: 12.08 min Scan# 3343

Delta R.T. 0.00 min

Lab File: BM027137.D

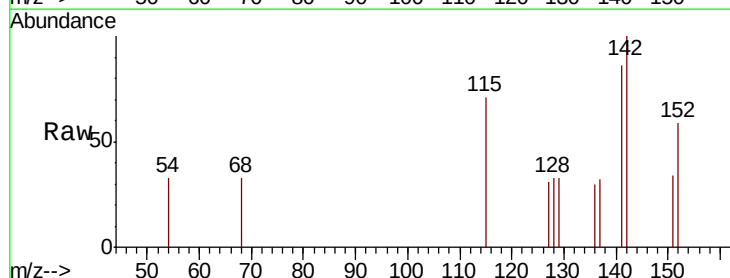
Acq: 19 Aug 2020 11:02

Tgt Ion:142 Resp: 262

Ion Ratio Lower Upper

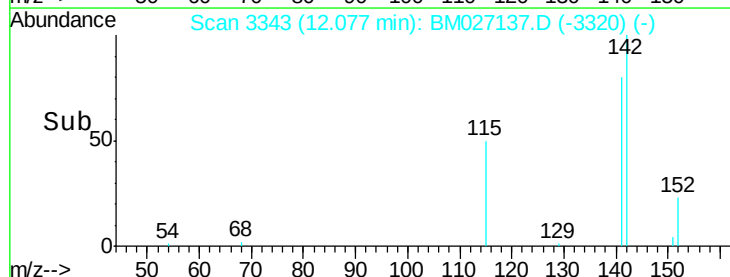
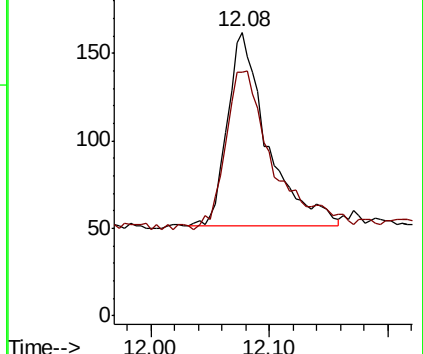
142 100

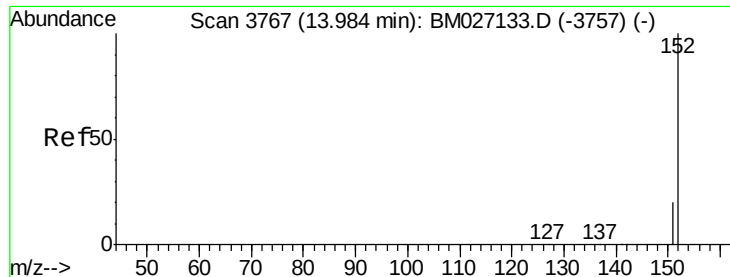
141 97.7 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.058 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

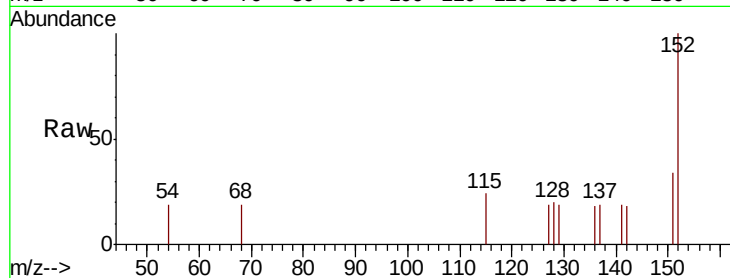
Tot Ion:152 Resp: 384

Ion Ratio Lower Upper

152 100

151 34.1 16.9 25.3#

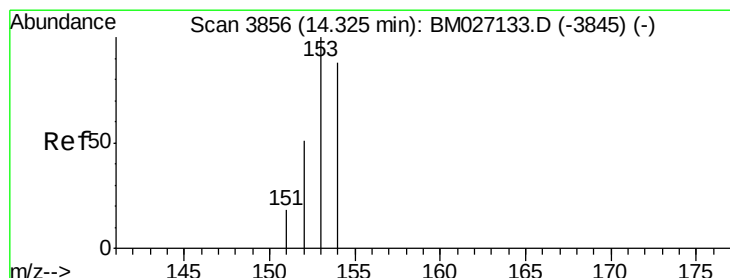
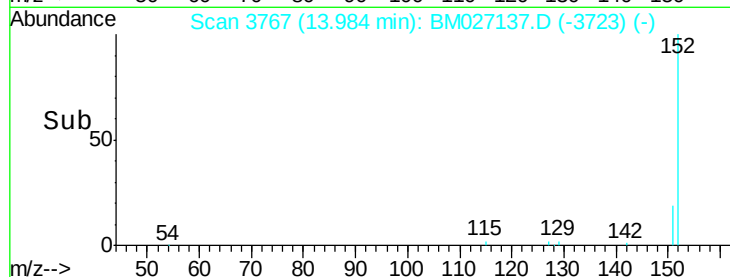
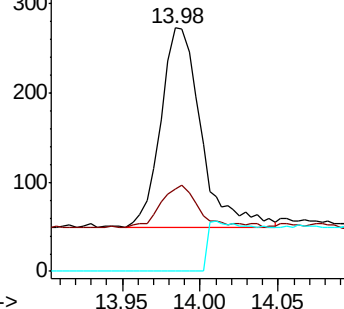
153 0.0 0.0 0.0



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: 0.061 ng/ul

RT: 14.32 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

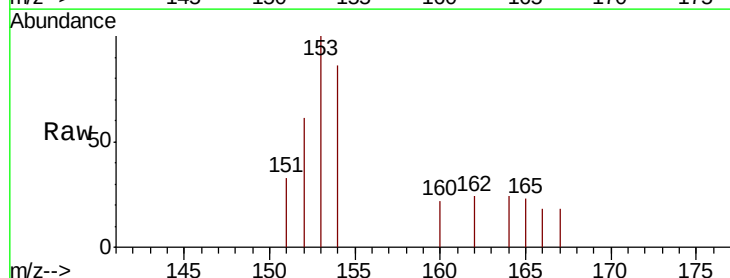
Tgt Ion:153 Resp: 356

Ion Ratio Lower Upper

153 100

152 60.9 40.9 61.3

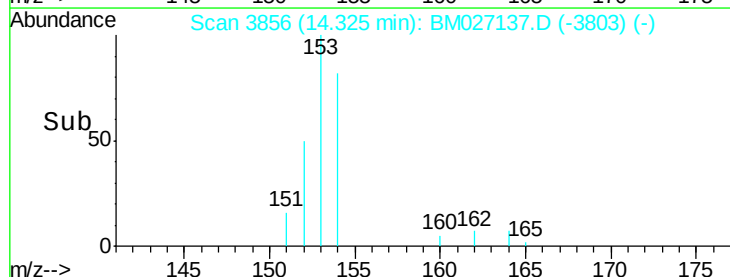
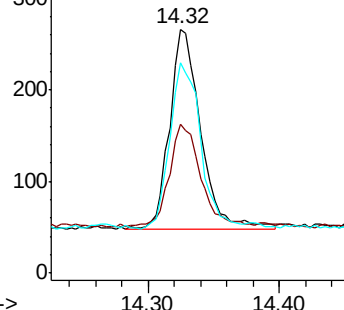
154 86.1 70.0 105.0

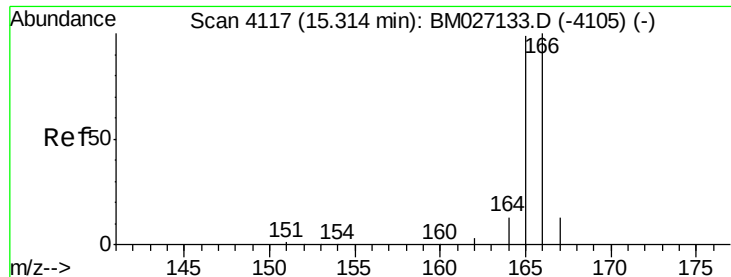


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.062 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.01 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

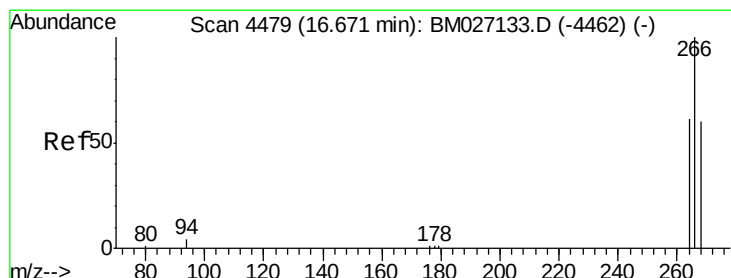
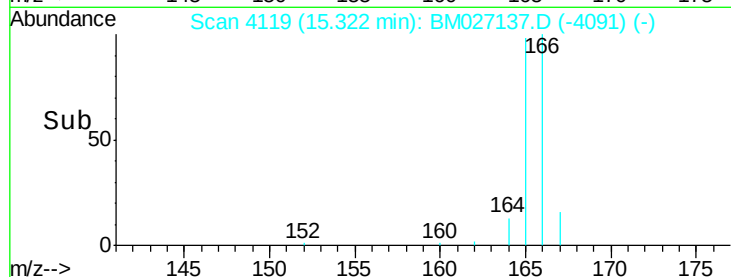
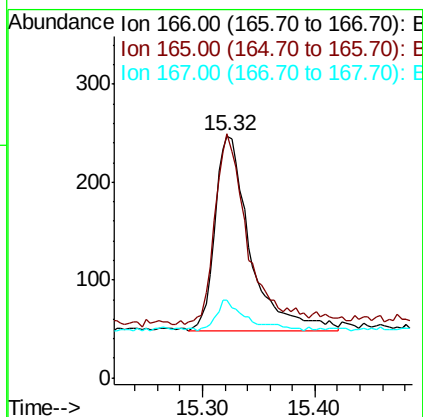
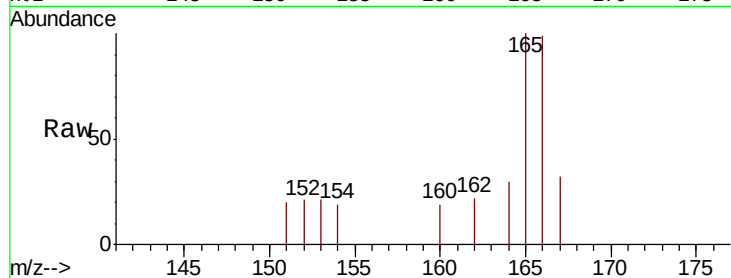
Tot Ion:166 Resp: 432

Ion Ratio Lower Upper

166 100

165 100.8 79.8 119.6

167 32.4 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.047 ng/ul

RT: 16.69 min Scan# 4483

Delta R.T. 0.01 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

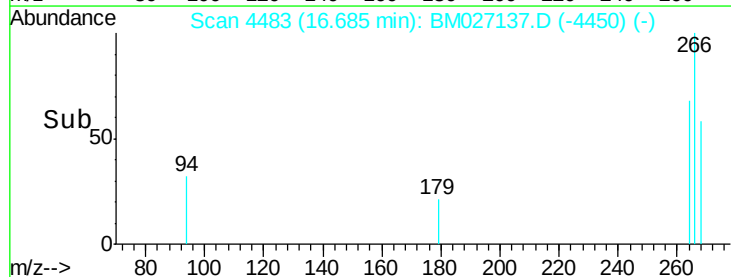
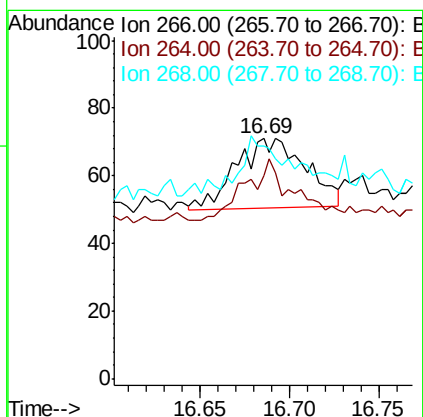
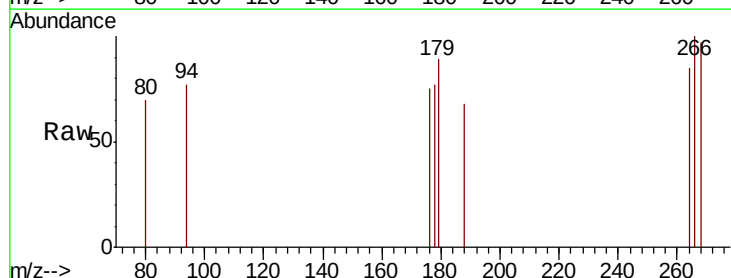
Tgt Ion:266 Resp: 56

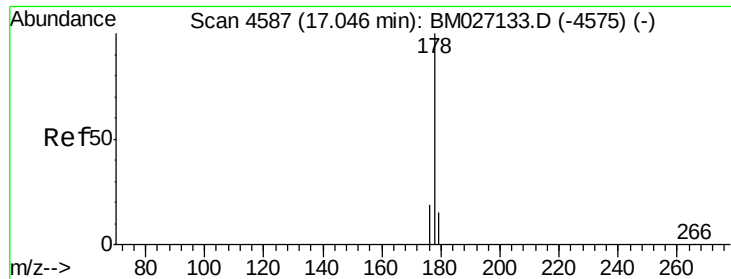
Ion Ratio Lower Upper

266 100

264 60.7 47.8 71.8

268 66.1 48.5 72.7





#12

Phenanthrene

Concen: 0.059 ng/ul

RT: 17.05 min Scan# 4588

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

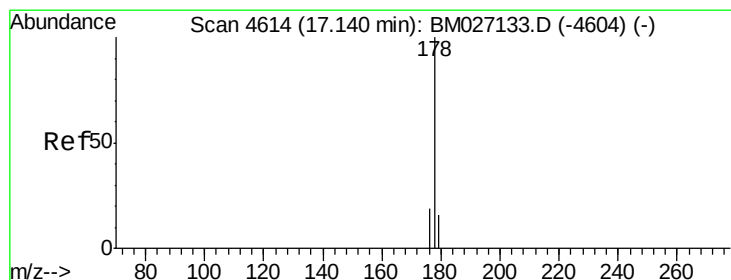
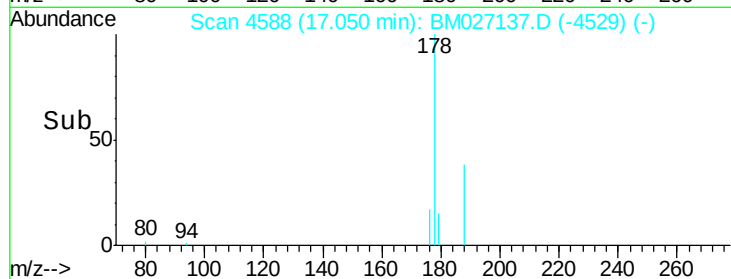
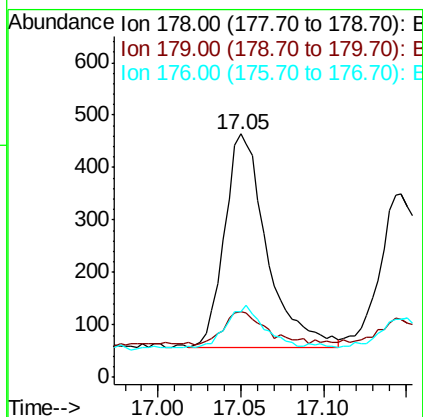
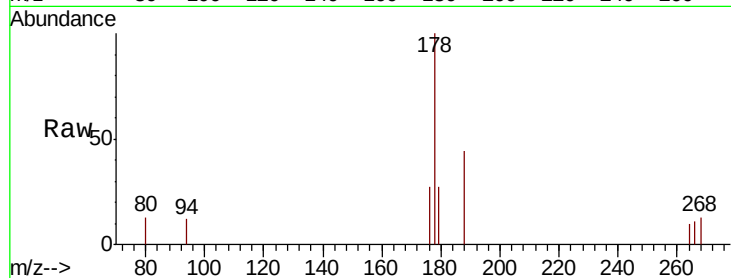
Tot Ion:178 Resp: 719

Ion Ratio Lower Upper

178 100

179 26.9 13.4 20.2#

176 27.2 16.0 24.0#



#13

Anthracene

Concen: 0.057 ng/ul

RT: 17.15 min Scan# 4616

Delta R.T. 0.01 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

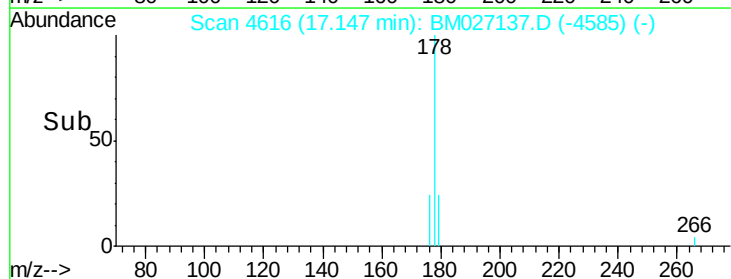
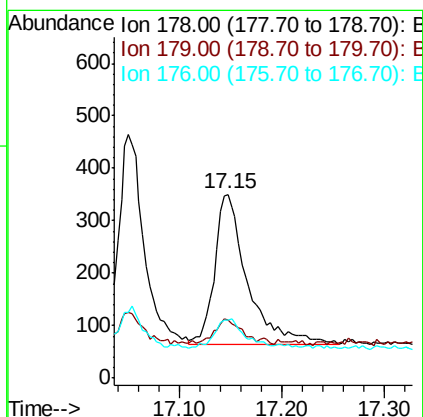
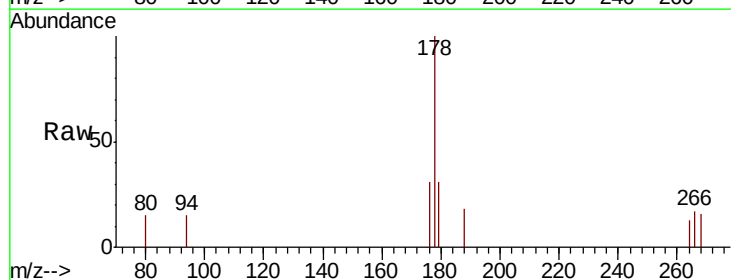
Tgt Ion:178 Resp: 631

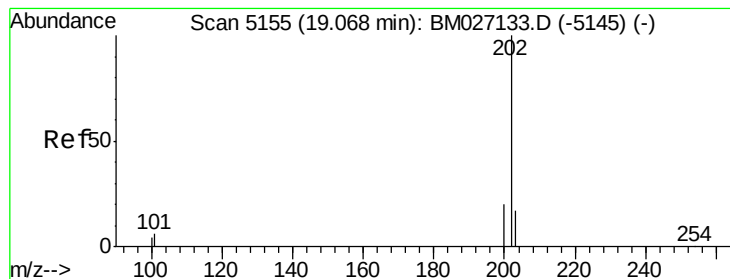
Ion Ratio Lower Upper

178 100

179 31.4 13.7 20.5#

176 31.4 15.5 23.3#





#15

Fluoranthene

Concen: 0.061 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

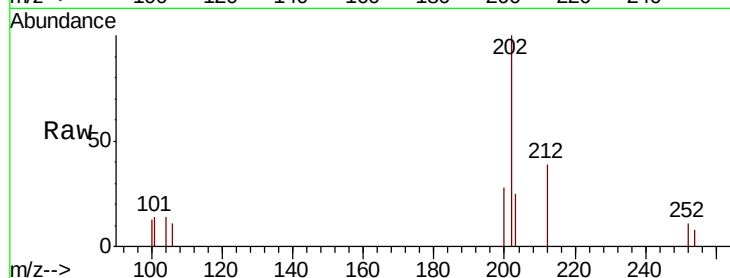
Tot Ion:202 Resp: 886

Ion Ratio Lower Upper

202 100

101 13.8 0.0 27.1

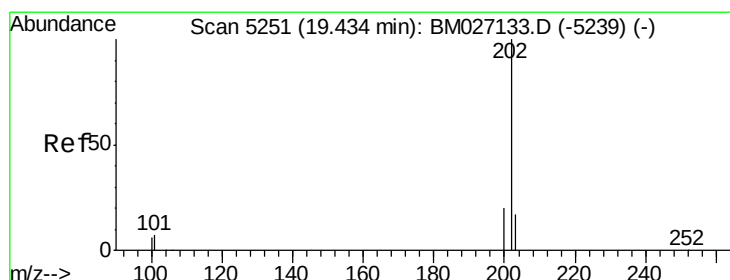
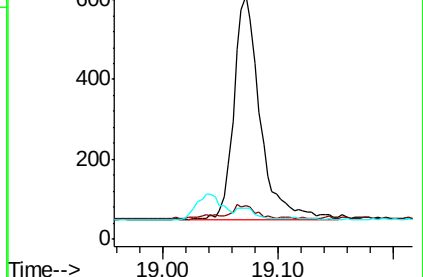
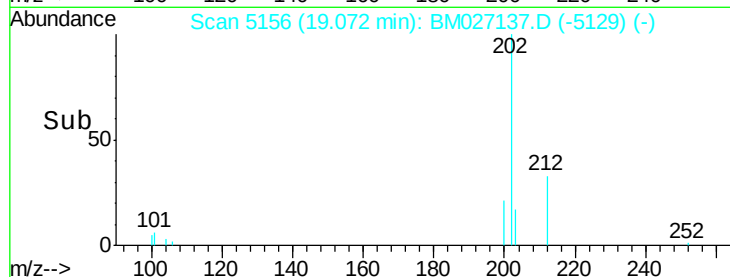
100 13.0 0.0 25.7



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



#17

Pyrene

Concen: 0.061 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

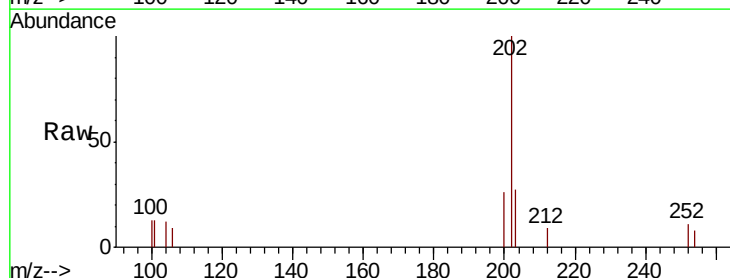
Tgt Ion:202 Resp: 913

Ion Ratio Lower Upper

202 100

101 13.2 6.6 9.8#

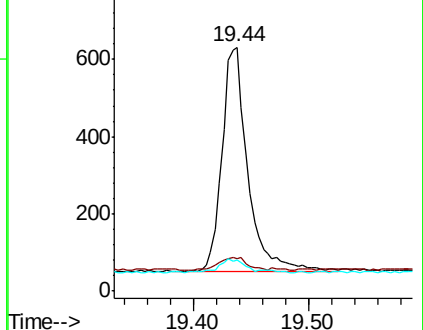
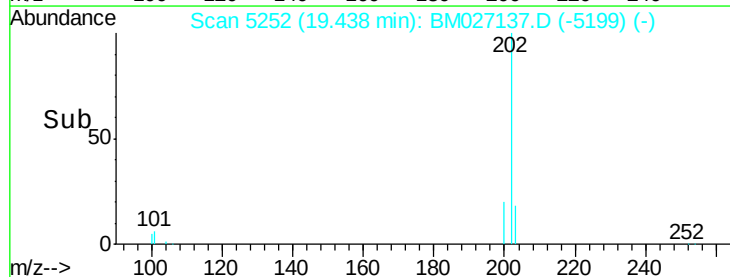
100 12.5 5.6 8.4#

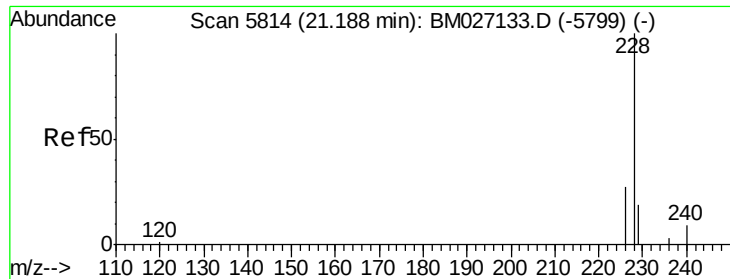


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.062 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

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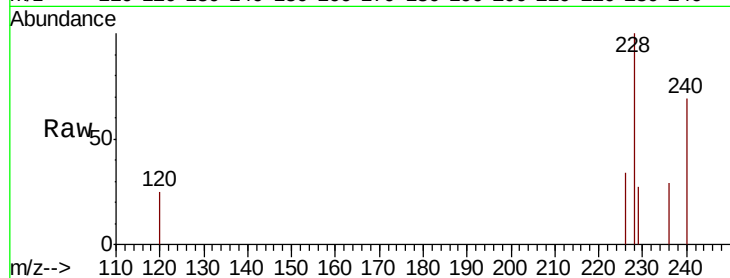
Tot Ion:228 Resp: 856

Ion Ratio Lower Upper

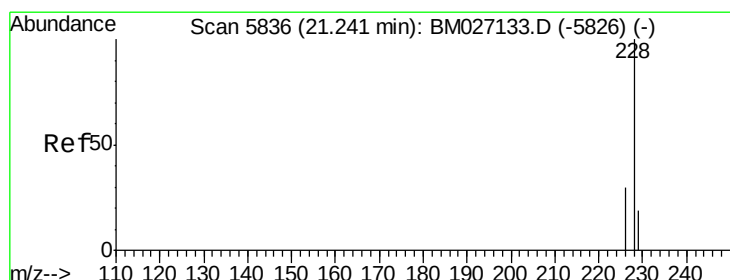
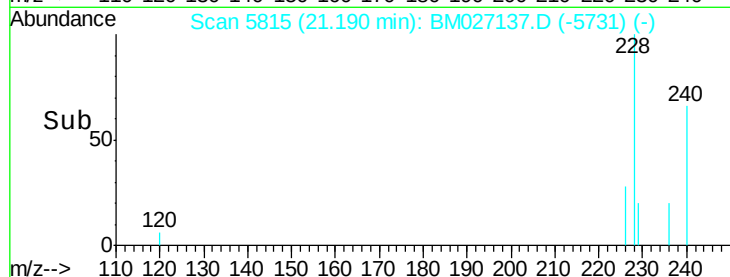
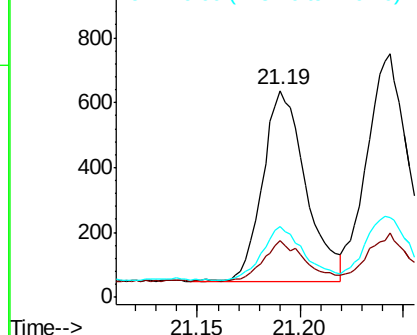
228 100

229 27.2 16.2 24.4#

226 34.4 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: 0.072 ng/ul

RT: 21.24 min Scan# 5837

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

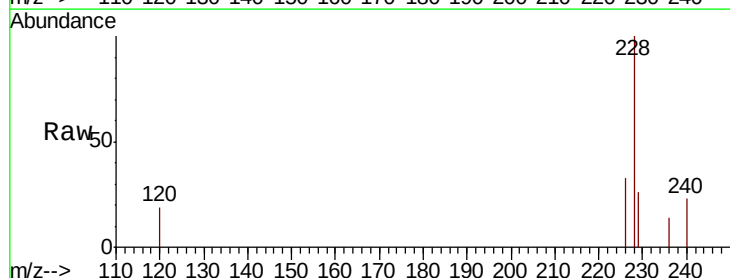
Tgt Ion:228 Resp: 1079

Ion Ratio Lower Upper

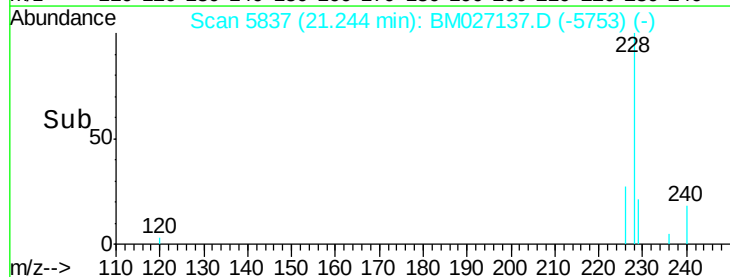
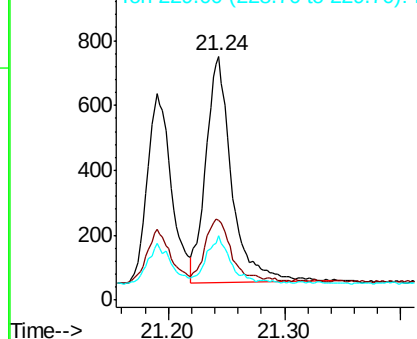
228 100

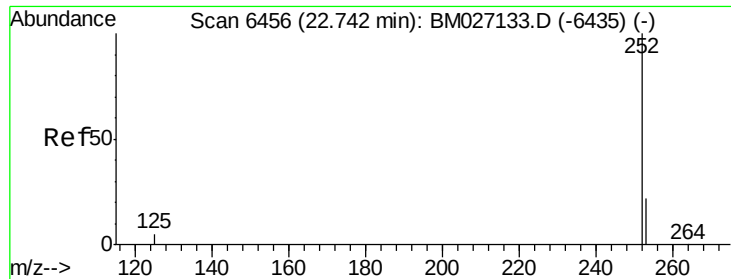
226 32.6 24.6 36.8

229 26.5 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: 0.068 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

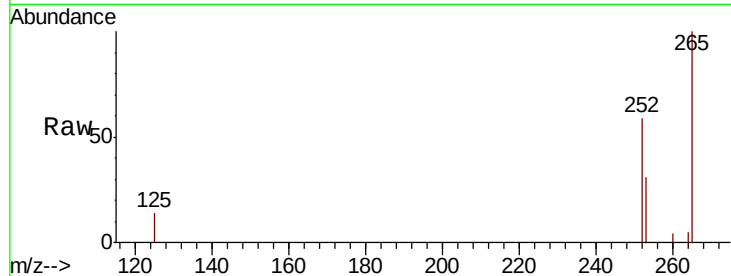
Tot Ion:252 Resp: 999

Ion Ratio Lower Upper

252 100

253 51.9 0.0 54.0

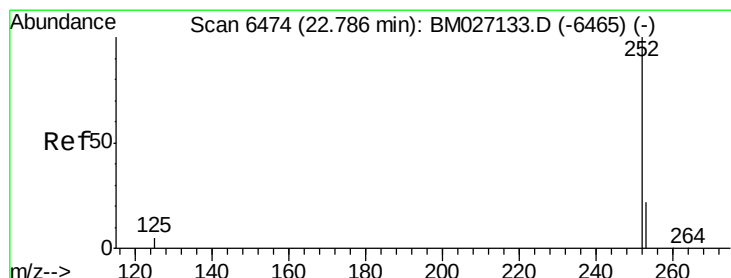
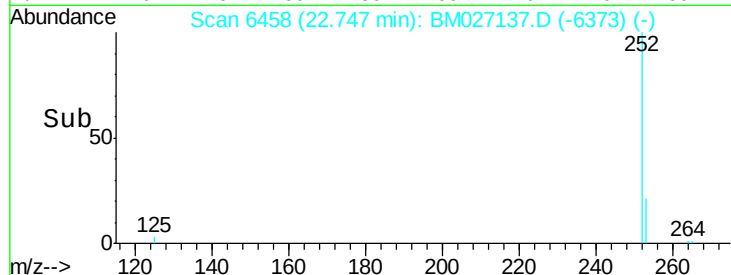
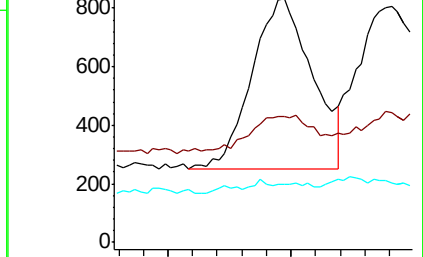
125 23.7 0.0 20.8#



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: 0.072 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

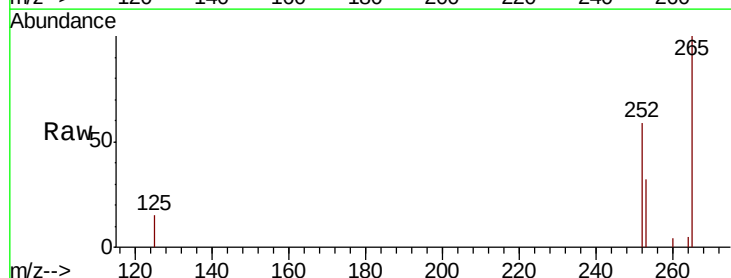
Tgt Ion:252 Resp: 1112

Ion Ratio Lower Upper

252 100

253 55.1 21.7 32.5#

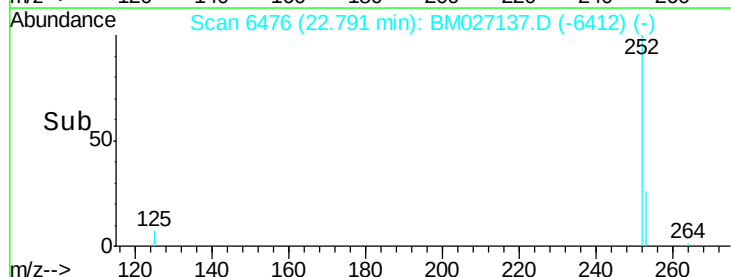
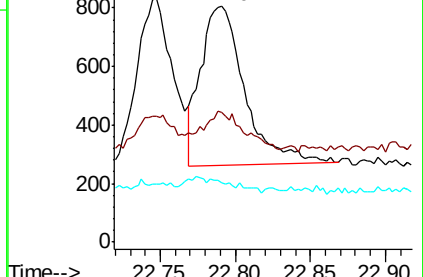
125 25.0 7.9 11.9#

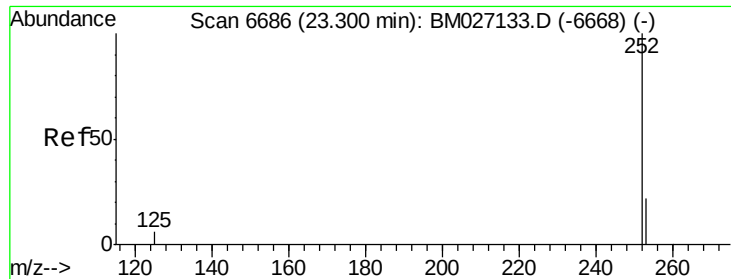


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.30 min Scan# 6686

Delta R.T. 0.00 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-05

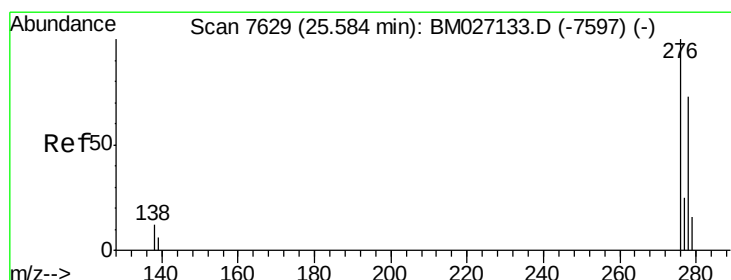
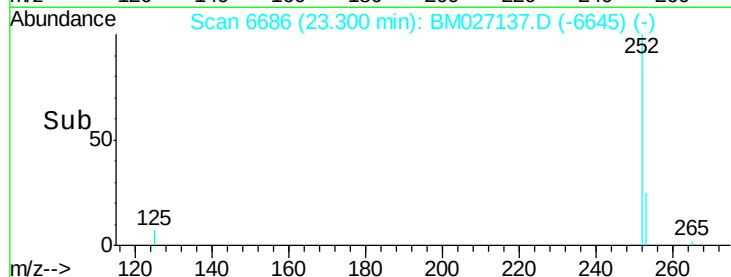
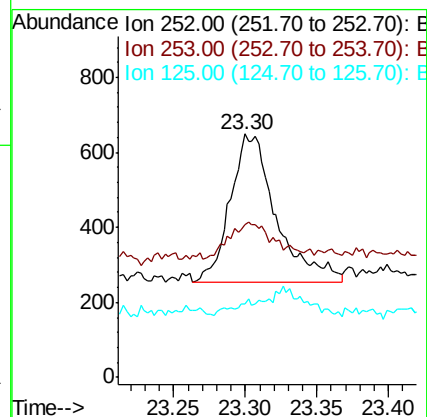
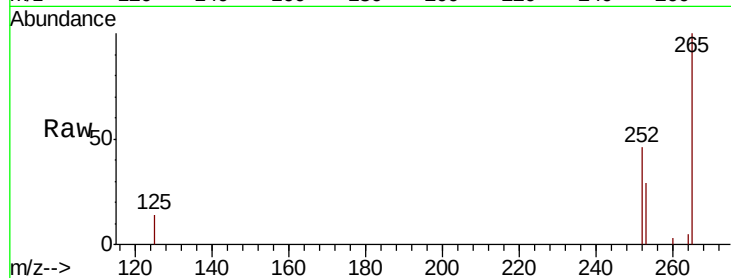
Tot Ion:252 Resp: 890

Ion Ratio Lower Upper

252 100

253 63.0 23.4 35.0#

125 30.4 9.4 14.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.062 ng/ul

RT: 25.59 min Scan# 7632

Delta R.T. 0.01 min

Lab File: BM027137.D

Acq: 19 Aug 2020 11:02

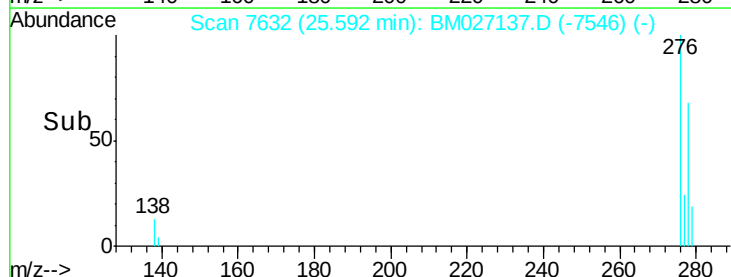
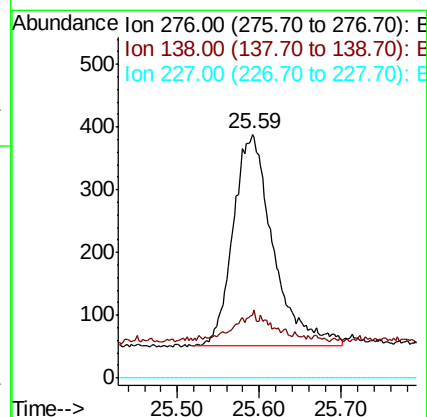
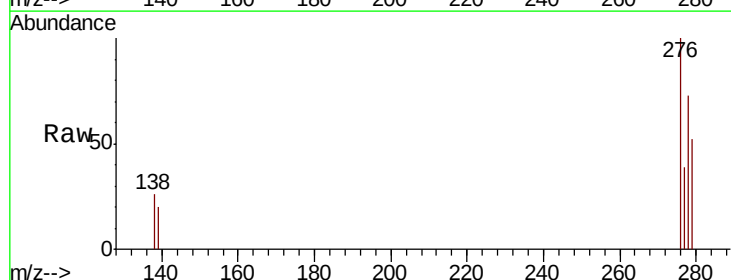
Tgt Ion:276 Resp: 1141

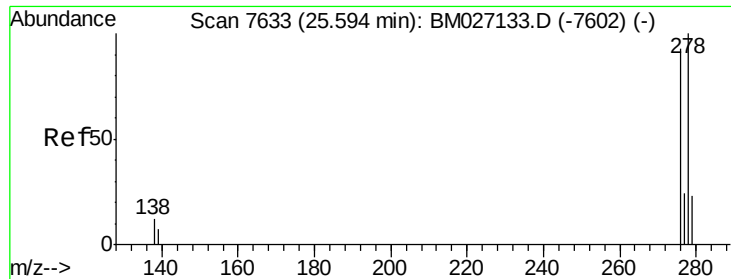
Ion Ratio Lower Upper

276 100

138 11.1 12.2 18.2#

227 0.0 0.0 0.0



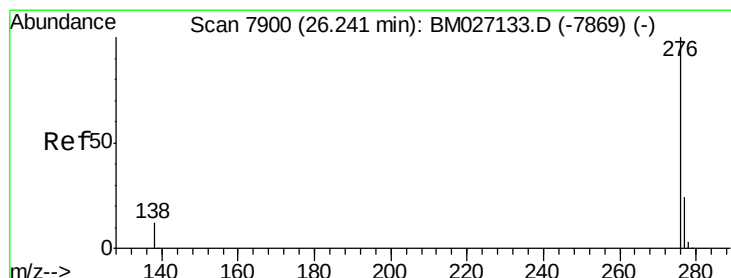
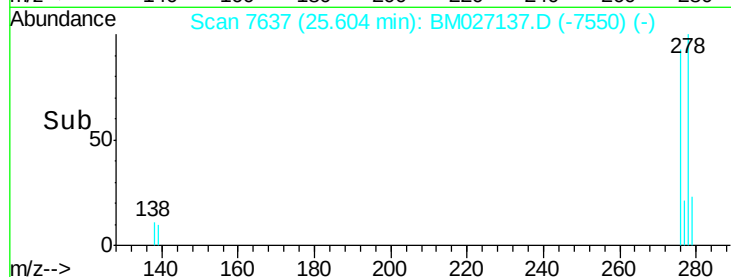
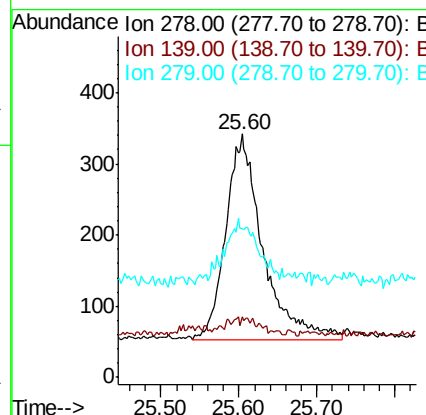
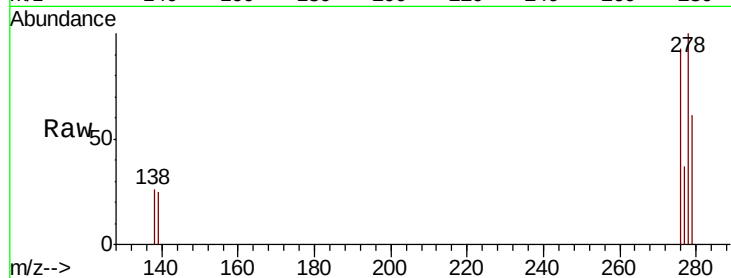


#25
Dibenzo(a,h)anthracene
Concen: 0.064 ng/ul
RT: 25.60 min Scan# 7637
Delta R.T. 0.01 min
Lab File: BM027137.D
Acq: 19 Aug 2020 11:02

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-05

Tot Ion:278 Resp: 953

Ion	Ratio	Lower	Upper
278	100		
139	25.1	10.0	15.0#
279	61.4	22.9	34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.061 ng/ul
RT: 26.25 min Scan# 7903
Delta R.T. 0.01 min
Lab File: BM027137.D
Acq: 19 Aug 2020 11:02

Tgt Ion:276 Resp: 978

Ion	Ratio	Lower	Upper
276	100		
138	27.0	12.0	18.0#
277	42.5	20.9	31.3#

