

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
 Data File : BM027129.D
 Acq On : 18 Aug 2020 16:44
 Operator : JU/CG
 Sample : L1955-10
 Misc : MDL-W-03-0.07PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03

Quant Time: Aug 18 17:34:32 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 : Tue Aug 18 11:17:38 2020
 Response via : Initial Calibration

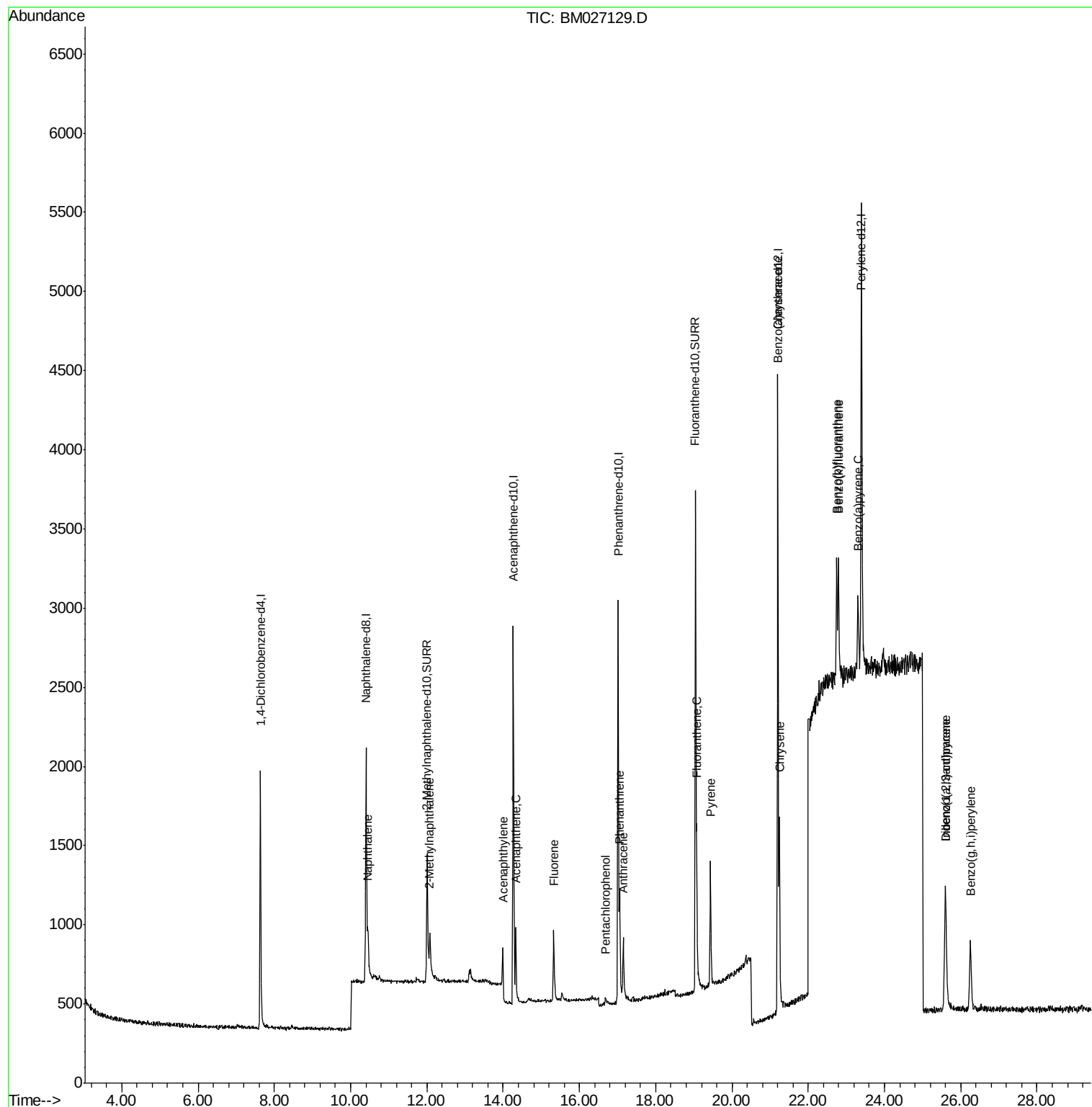
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	848	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	2753	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	1455	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4085	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	4030	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	4056	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1735	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4470	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	412	0.050	ng/ul#	59
5) 2-Methylnaphthalene	12.08	142	276	0.049	ng/ul	98
7) Acenaphthylene	13.99	152	304	0.048	ng/ul#	76
8) Acenaphthene	14.33	153	280	0.051	ng/ul	93
9) Fluorene	15.32	166	400	0.061	ng/ul#	91
11) Pentachlorophenol	16.69	266	47	0.035	ng/ul#	89
12) Phenanthrene	17.05	178	703	0.051	ng/ul#	80
13) Anthracene	17.15	178	532	0.042	ng/ul#	72
15) Fluoranthene	19.07	202	853	0.051	ng/ul	79
17) Pyrene	19.44	202	884	0.051	ng/ul#	81
18) Benzo(a)anthracene	21.19	228	865	0.054	ng/ul	93
19) Chrysene	21.24	228	1074	0.062	ng/ul	93
21) Benzo(b)fluoranthene	22.74	252	994	0.057	ng/ul#	47
22) Benzo(k)fluoranthene	22.79	252	1208	0.067	ng/ul#	48
23) Benzo(a)pyrene	23.30	252	909	0.058	ng/ul#	36
24) Indeno(1,2,3-cd)pyrene	25.59	276	1173	0.054	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.61	278	960	0.054	ng/ul#	44
26) Benzo(g,h,i)perylene	26.26	276	1022	0.055	ng/ul#	71

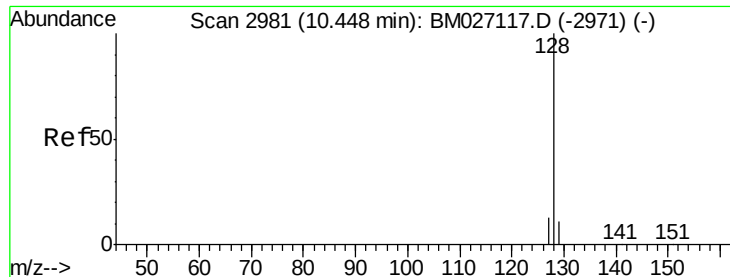
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. 0.01 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

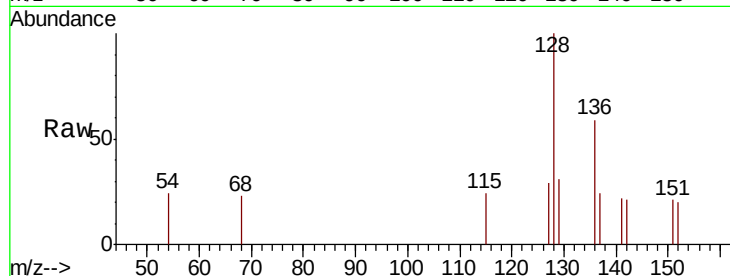
Tot Ion:128 Resp: 412

Ion Ratio Lower Upper

128 100

129 31.3 10.1 15.1#

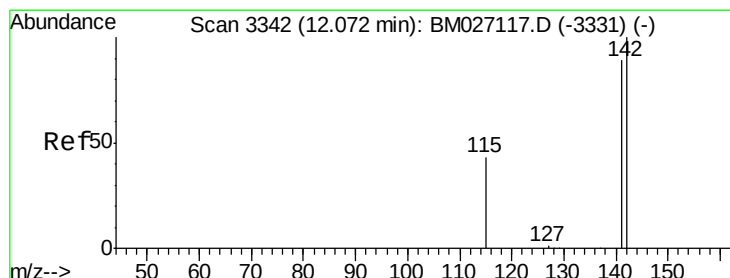
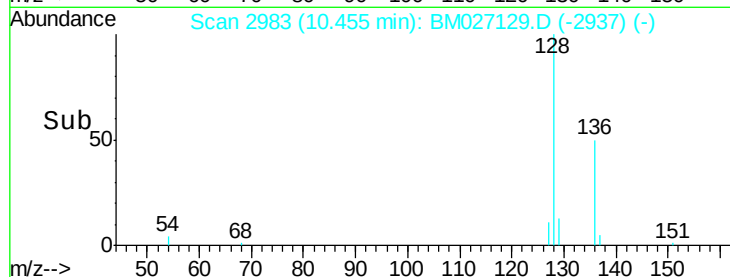
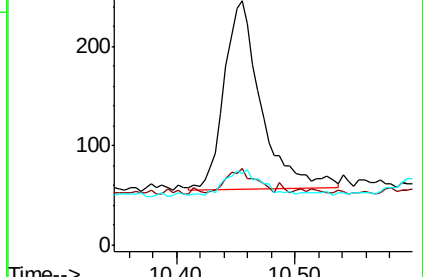
127 29.3 11.6 17.4#



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: 0.049 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. 0.01 min

Lab File: BM027129.D

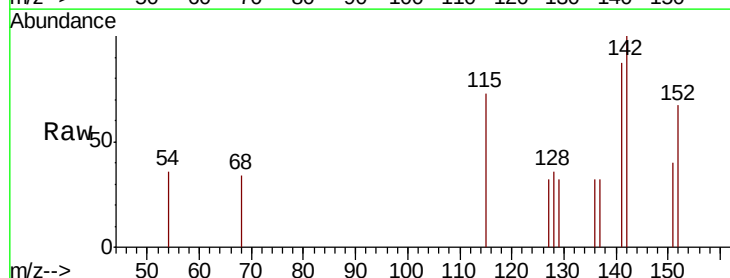
Acq: 18 Aug 2020 16:44

Tgt Ion:142 Resp: 276

Ion Ratio Lower Upper

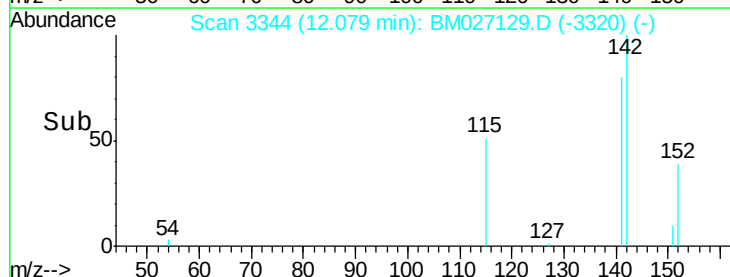
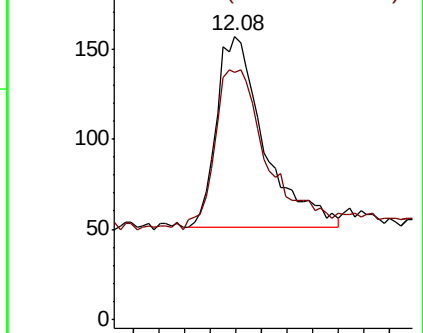
142 100

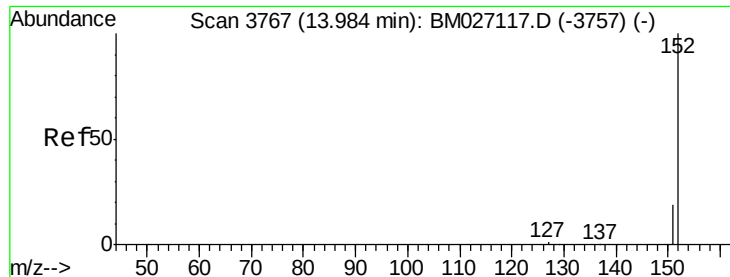
141 89.1 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

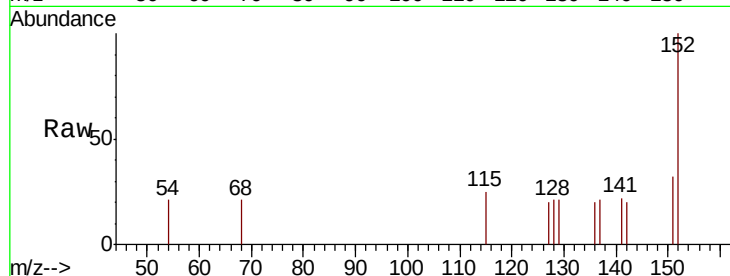
Tot Ion:152 Resp: 304

Ion Ratio Lower Upper

152 100

151 32.3 16.9 25.3#

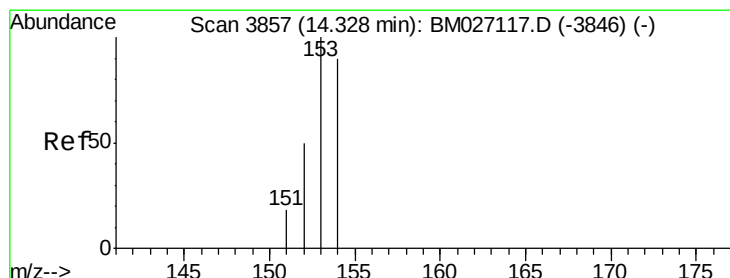
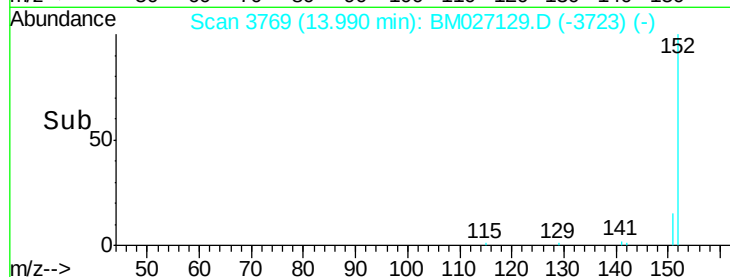
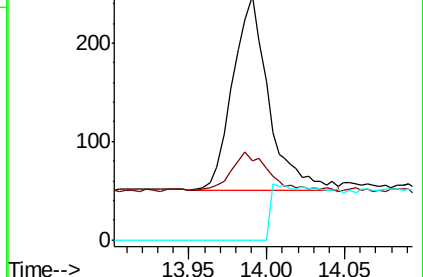
153 0.0 0.0 0.0



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: 0.051 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

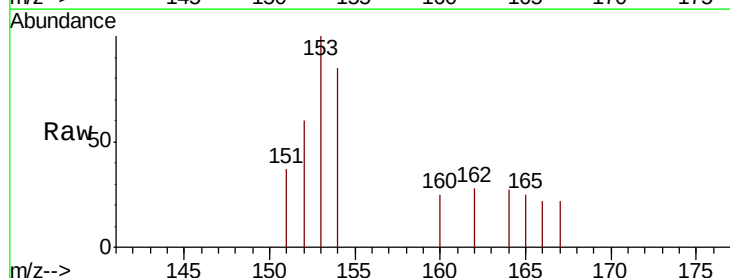
Tgt Ion:153 Resp: 280

Ion Ratio Lower Upper

153 100

152 60.4 40.9 61.3

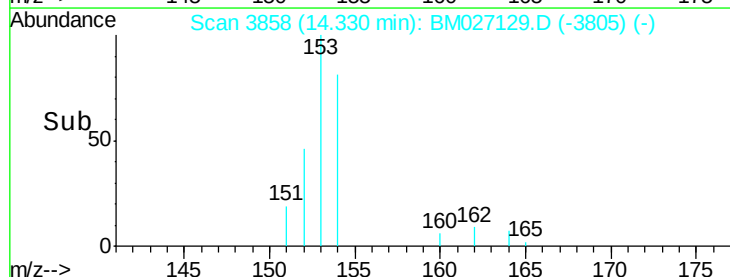
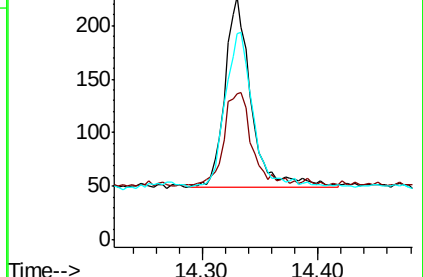
154 85.0 70.0 105.0

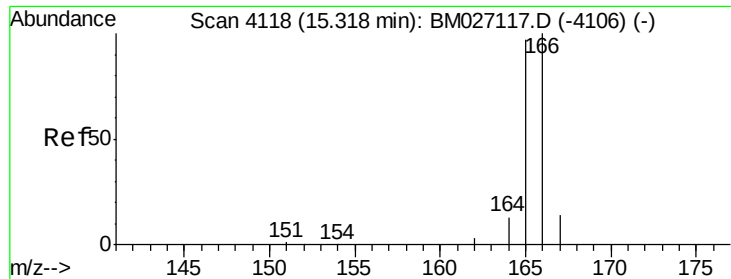


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

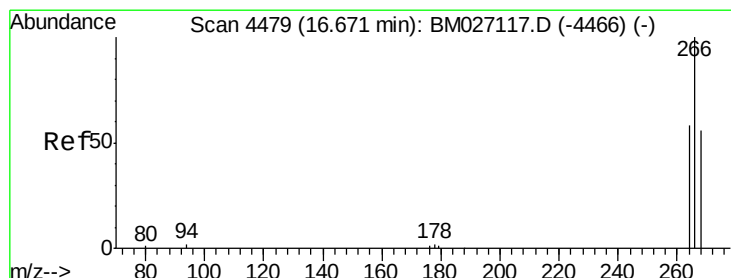
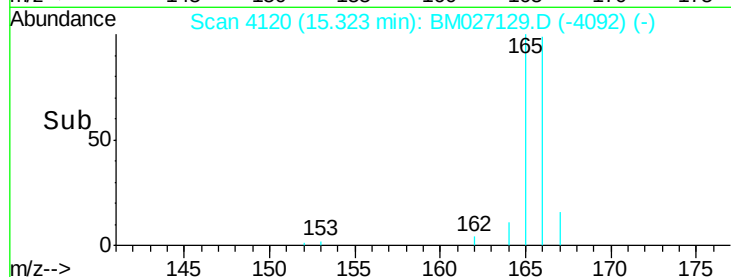
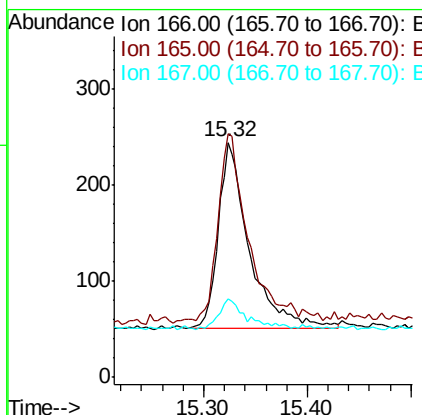
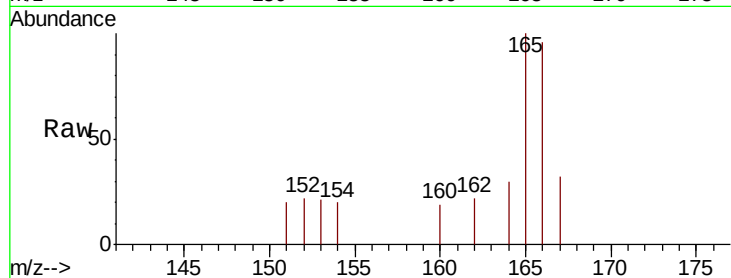




#9
Fluorene
 Concen: 0.061 ng/ul
 RT: 15.32 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: BM027129.D
 Acq: 18 Aug 2020 16:44

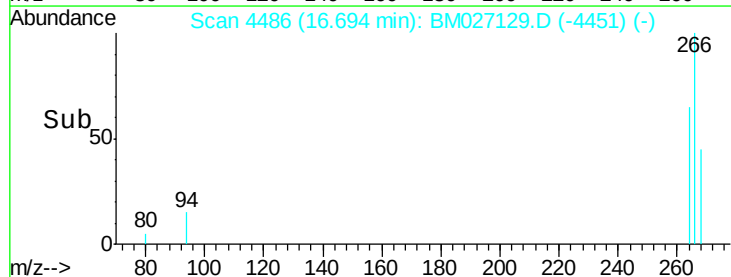
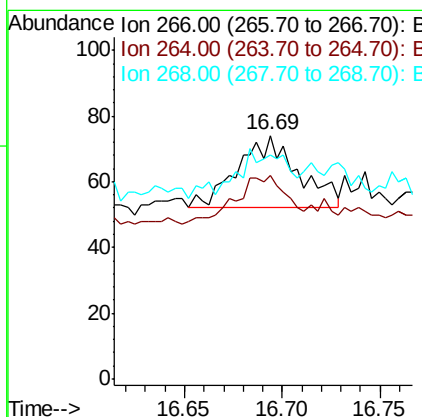
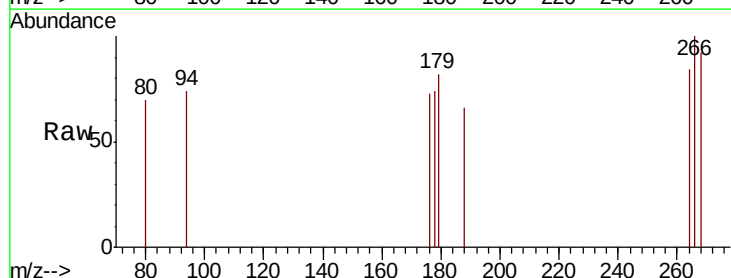
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03

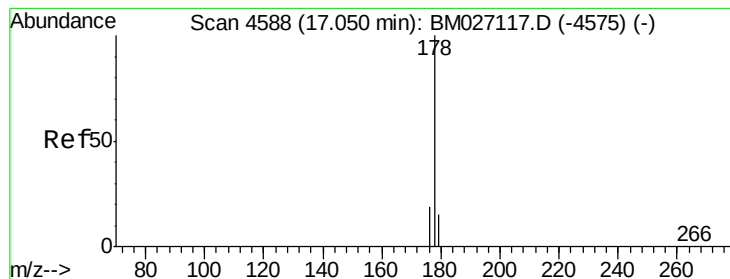
Tot Ion:166 Resp: 400
 Ion Ratio Lower Upper
 166 100
 165 103.7 79.8 119.6
 167 33.2 12.1 18.1#



#11
Pentachlorophenol
 Concen: 0.035 ng/ul
 RT: 16.69 min Scan# 4486
 Delta R.T. 0.02 min
 Lab File: BM027129.D
 Acq: 18 Aug 2020 16:44

Tgt Ion:266 Resp: 47
 Ion Ratio Lower Upper
 266 100
 264 59.6 47.8 71.8
 268 44.7 48.5 72.7#





#12

Phenanthrene

Concen: 0.051 ng/ul

RT: 17.05 min Scan# 4590

Delta R.T. 0.01 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

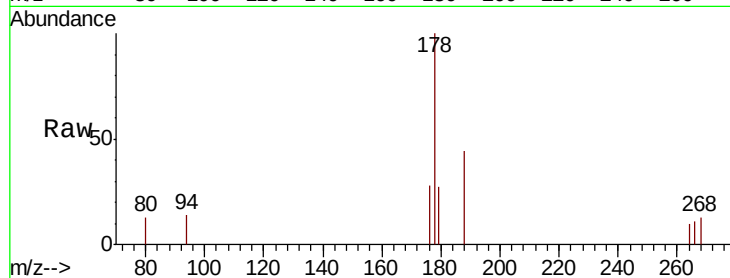
Tot Ion:178 Resp: 703

Ion Ratio Lower Upper

178 100

179 26.9 13.4 20.2#

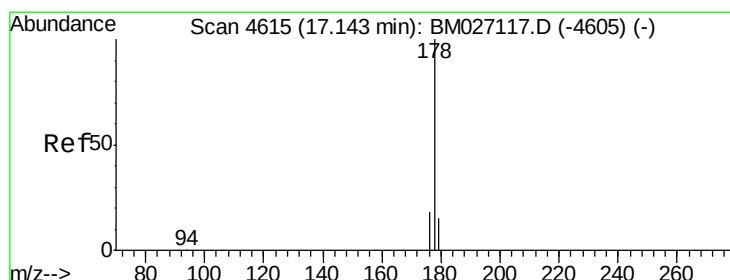
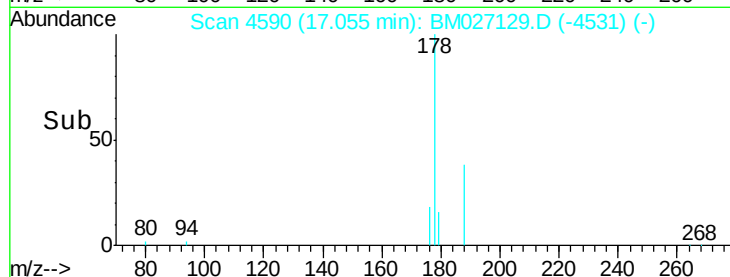
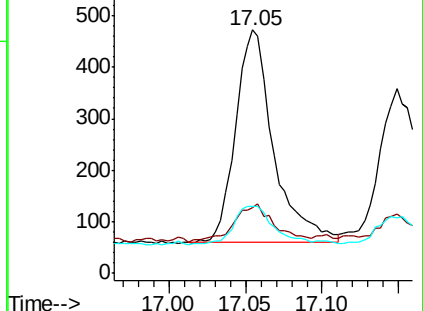
176 27.8 16.0 24.0#



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: 17.15 min Scan# 4617

Delta R.T. 0.01 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

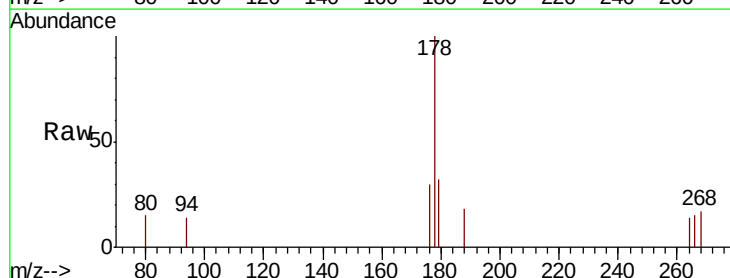
Tgt Ion:178 Resp: 532

Ion Ratio Lower Upper

178 100

179 31.8 13.7 20.5#

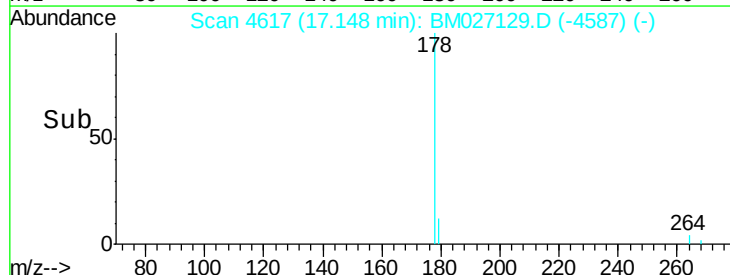
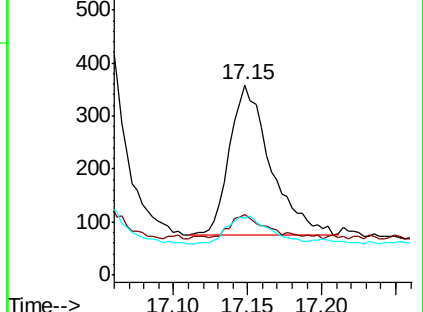
176 30.1 15.5 23.3#

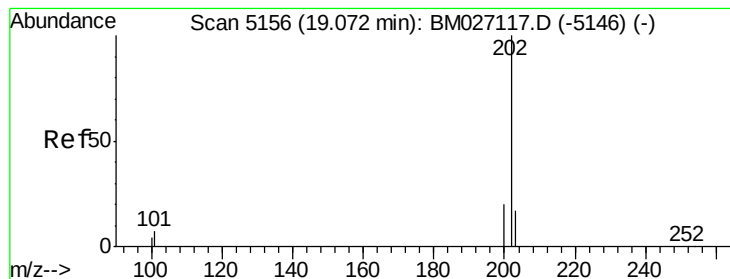


Abundance Ion 178.00 (177.70 to 178.70): E

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# 5157

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

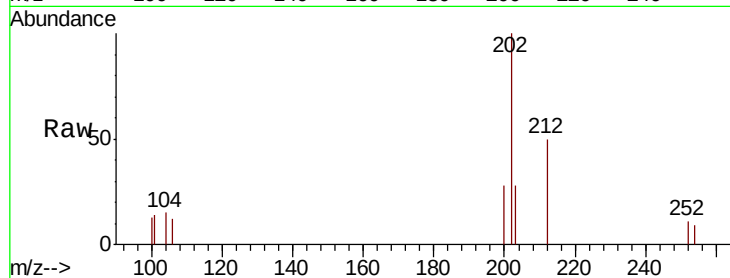
Tot Ion:202 Resp: 853

Ion Ratio Lower Upper

202 100

101 14.3 0.0 27.1

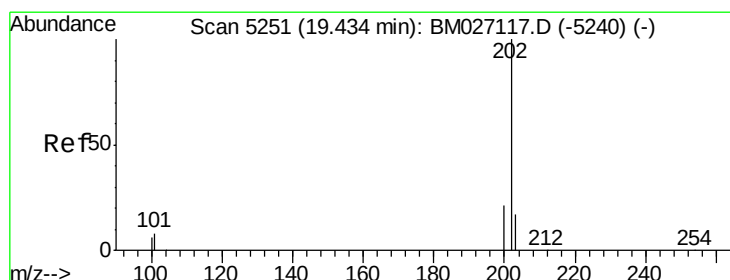
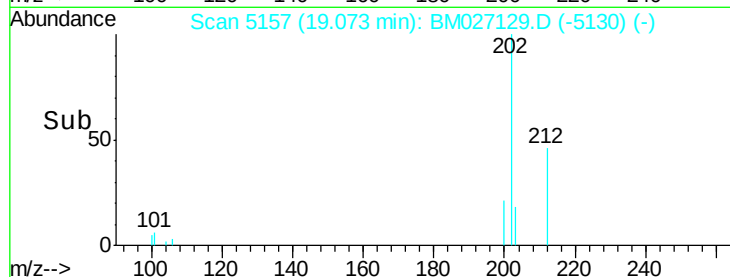
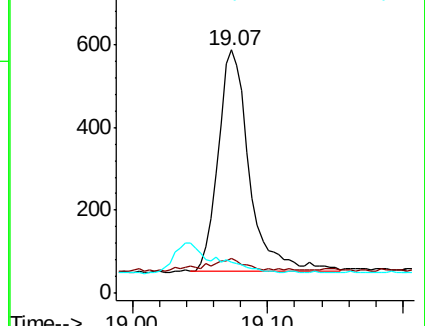
100 12.9 0.0 25.7



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: 0.051 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

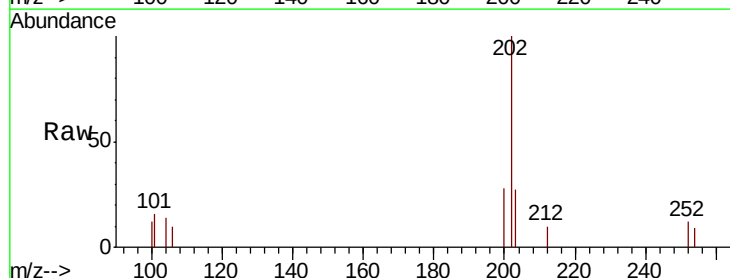
Tgt Ion:202 Resp: 884

Ion Ratio Lower Upper

202 100

101 16.2 6.6 9.8#

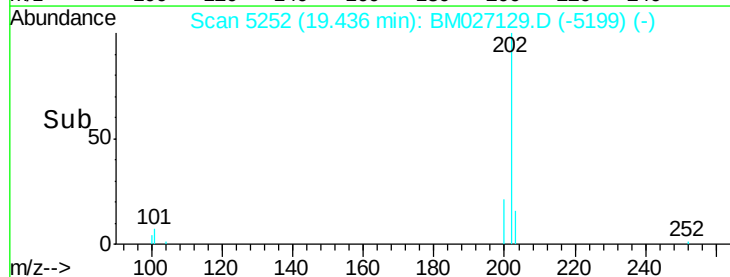
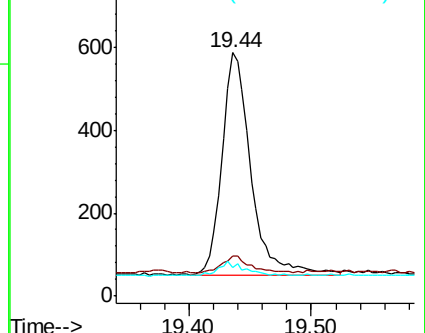
100 11.9 5.6 8.4#

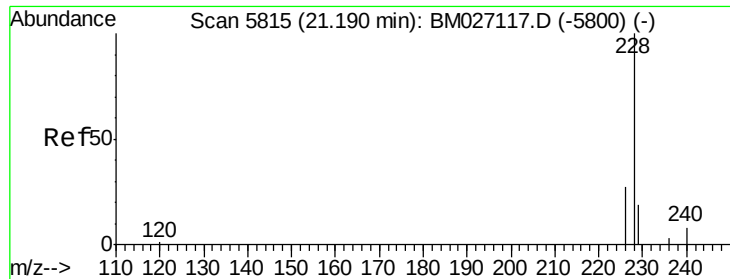


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.054 ng/ul

RT: 21.19 min Scan# 5817

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

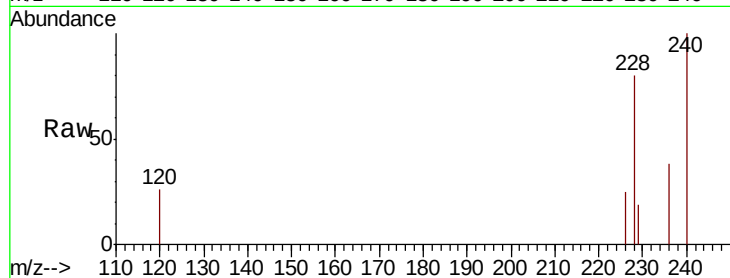
Tot Ion:228 Resp: 865

Ion Ratio Lower Upper

228 100

229 23.8 16.2 24.4

226 31.6 22.4 33.6

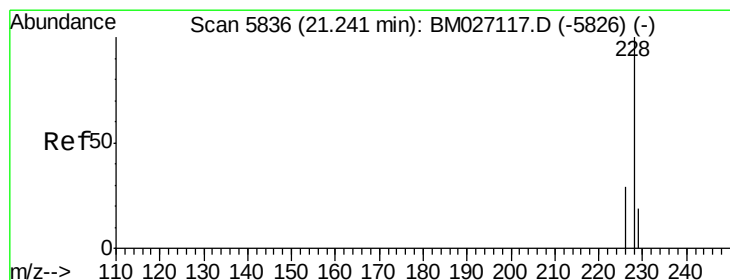
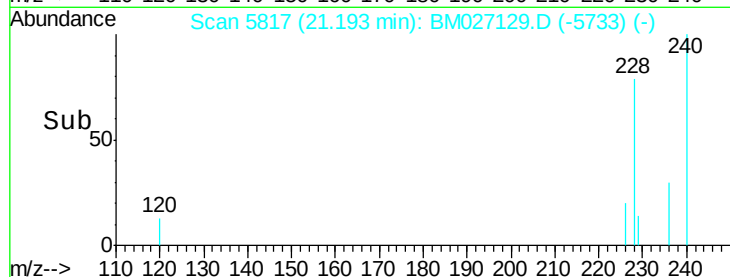
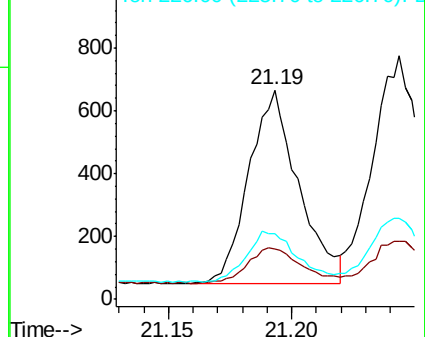


Abundance

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: 0.062 ng/ul

RT: 21.24 min Scan# 5838

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

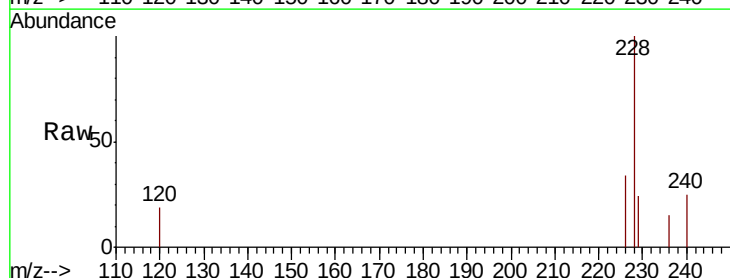
Tgt Ion:228 Resp: 1074

Ion Ratio Lower Upper

228 100

226 33.5 24.6 36.8

229 23.9 15.9 23.9

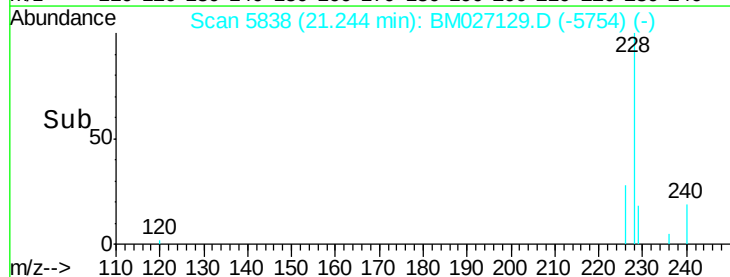
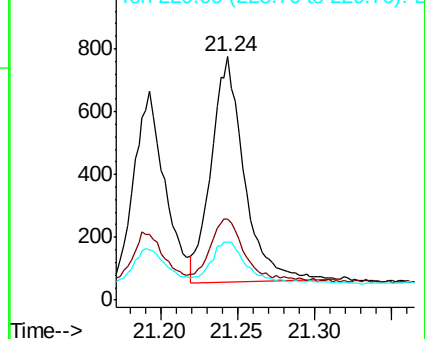


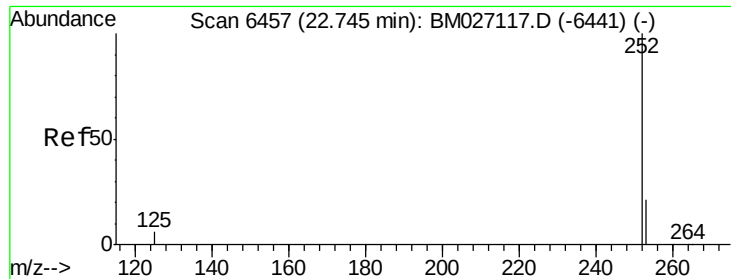
Abundance

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: 0.057 ng/ul

RT: 22.74 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

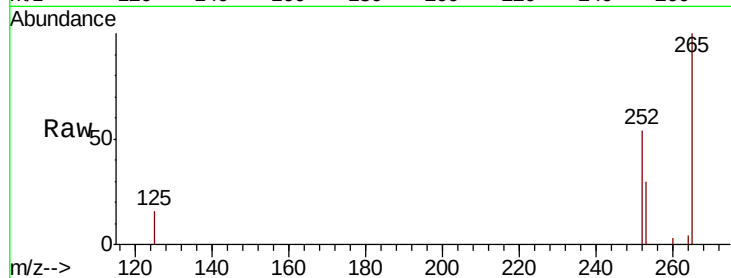
Tot Ion:252 Resp: 994

Ion Ratio Lower Upper

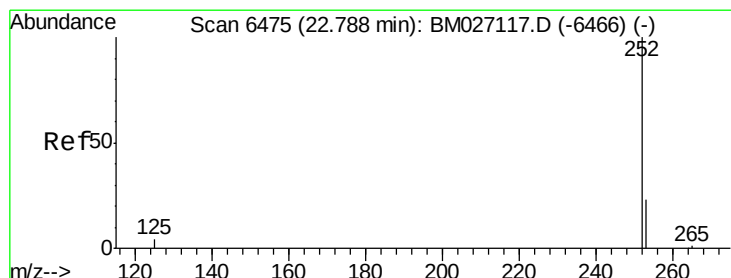
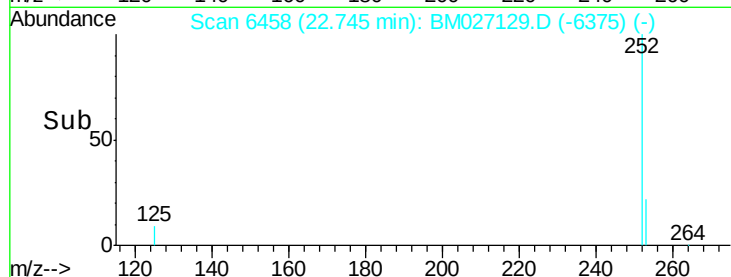
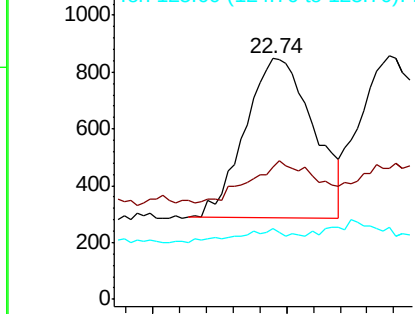
252 100

253 54.9 0.0 54.0#

125 29.3 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: 0.067 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. 0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

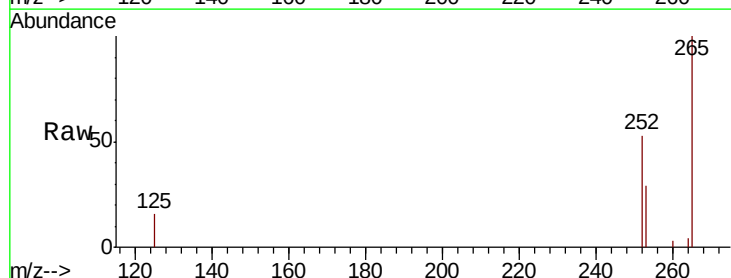
Tgt Ion:252 Resp: 1208

Ion Ratio Lower Upper

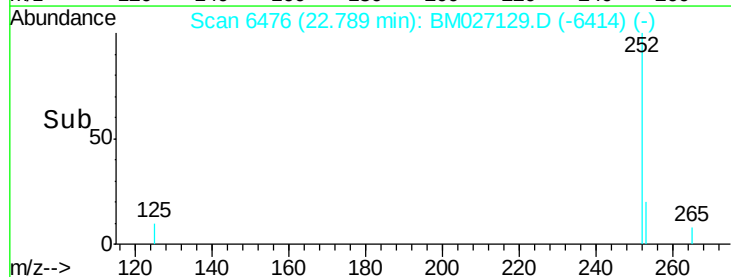
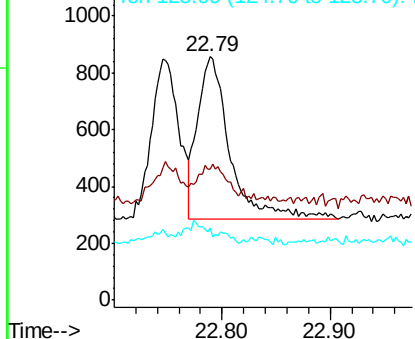
252 100

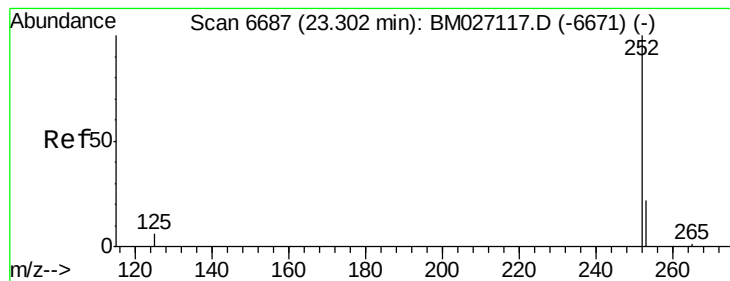
253 53.9 21.7 32.5#

125 29.5 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: 0.058 ng/ul

RT: 23.30 min Scan# 6687

Delta R.T. -0.00 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03

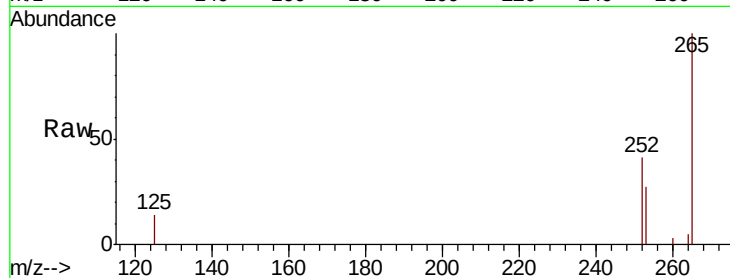
Tot Ion:252 Resp: 909

Ion Ratio Lower Upper

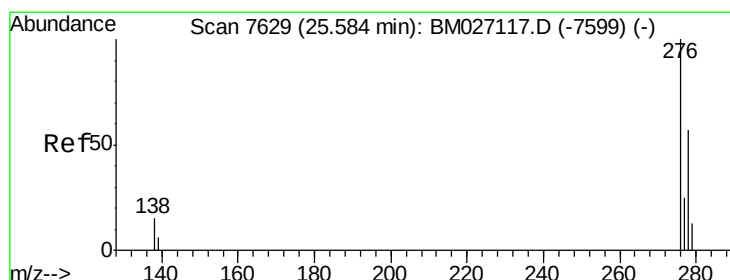
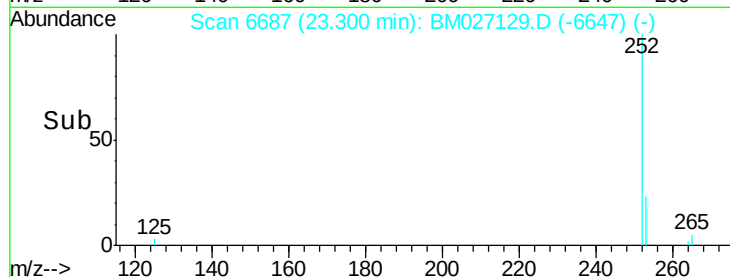
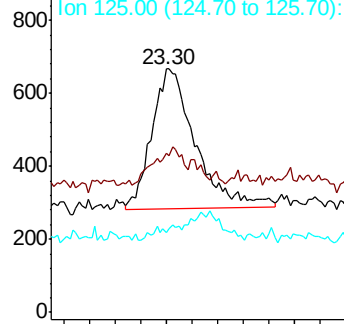
252 100

253 65.5 23.4 35.0#

125 32.8 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: 0.054 ng/ul

RT: 25.59 min Scan# 7634

Delta R.T. 0.01 min

Lab File: BM027129.D

Acq: 18 Aug 2020 16:44

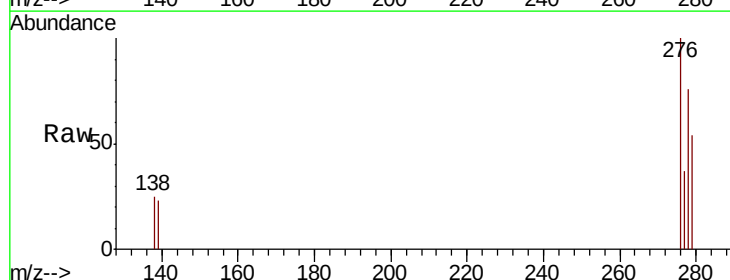
Tgt Ion:276 Resp: 1173

Ion Ratio Lower Upper

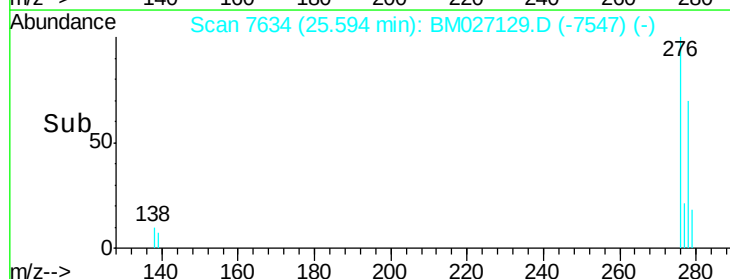
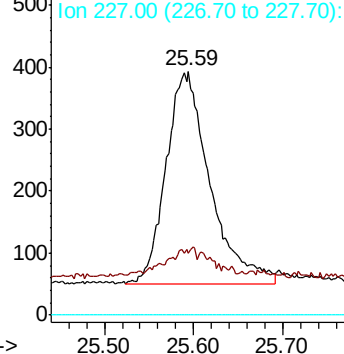
276 100

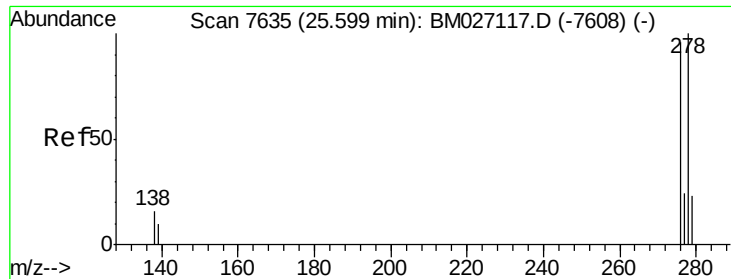
138 10.9 12.2 18.2#

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

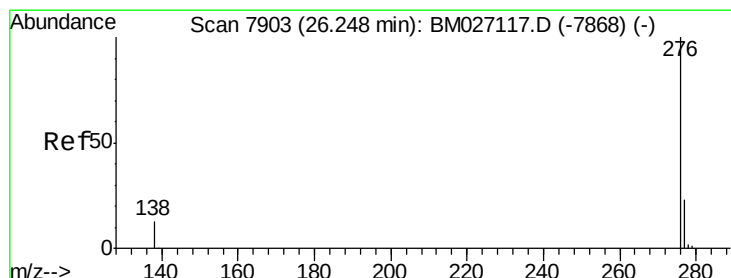
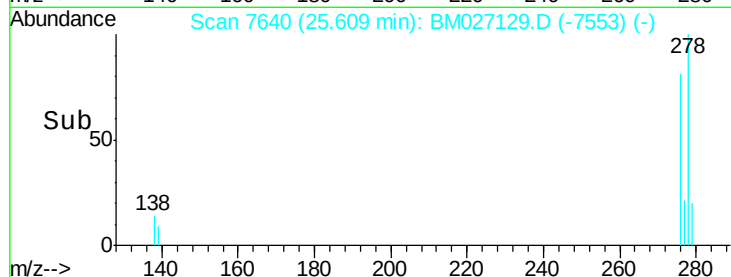
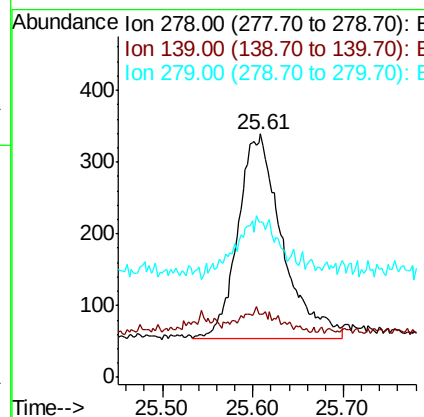
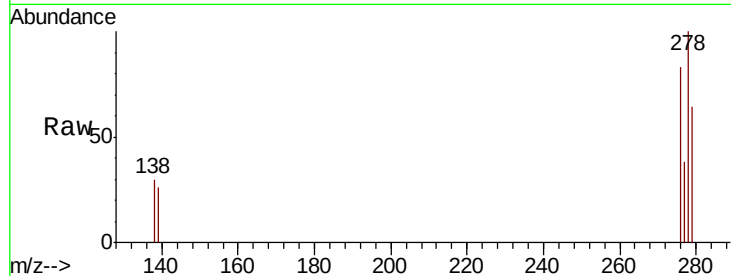




#25
Dibenzo(a,h)anthracene
Concen: 0.054 ng/ul
RT: 25.61 min Scan# 7640
Delta R.T. 0.01 min
Lab File: BM027129.D
Acq: 18 Aug 2020 16:44

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03

Tot Ion:278 Resp: 960
Ion Ratio Lower Upper
278 100
139 26.0 10.0 15.0#
279 63.7 22.9 34.3#



#26
Benzo(g,h,i)perylene
Concen: 0.055 ng/ul
RT: 26.26 min Scan# 7907
Delta R.T. 0.01 min
Lab File: BM027129.D
Acq: 18 Aug 2020 16:44

Tgt Ion:276 Resp: 1022
Ion Ratio Lower Upper
276 100
138 26.5 12.0 18.0#
277 41.2 20.9 31.3#

