

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060820\
 Data File : BN010807.D
 Acq On : 08 Jun 2020 14:26
 Operator : CG/JU
 Sample : L1955-13
 Misc : MDL-WATER-06
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-06

Quant Time: Jun 08 15:03:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 10:24:50 2020
 Response via : Initial Calibration

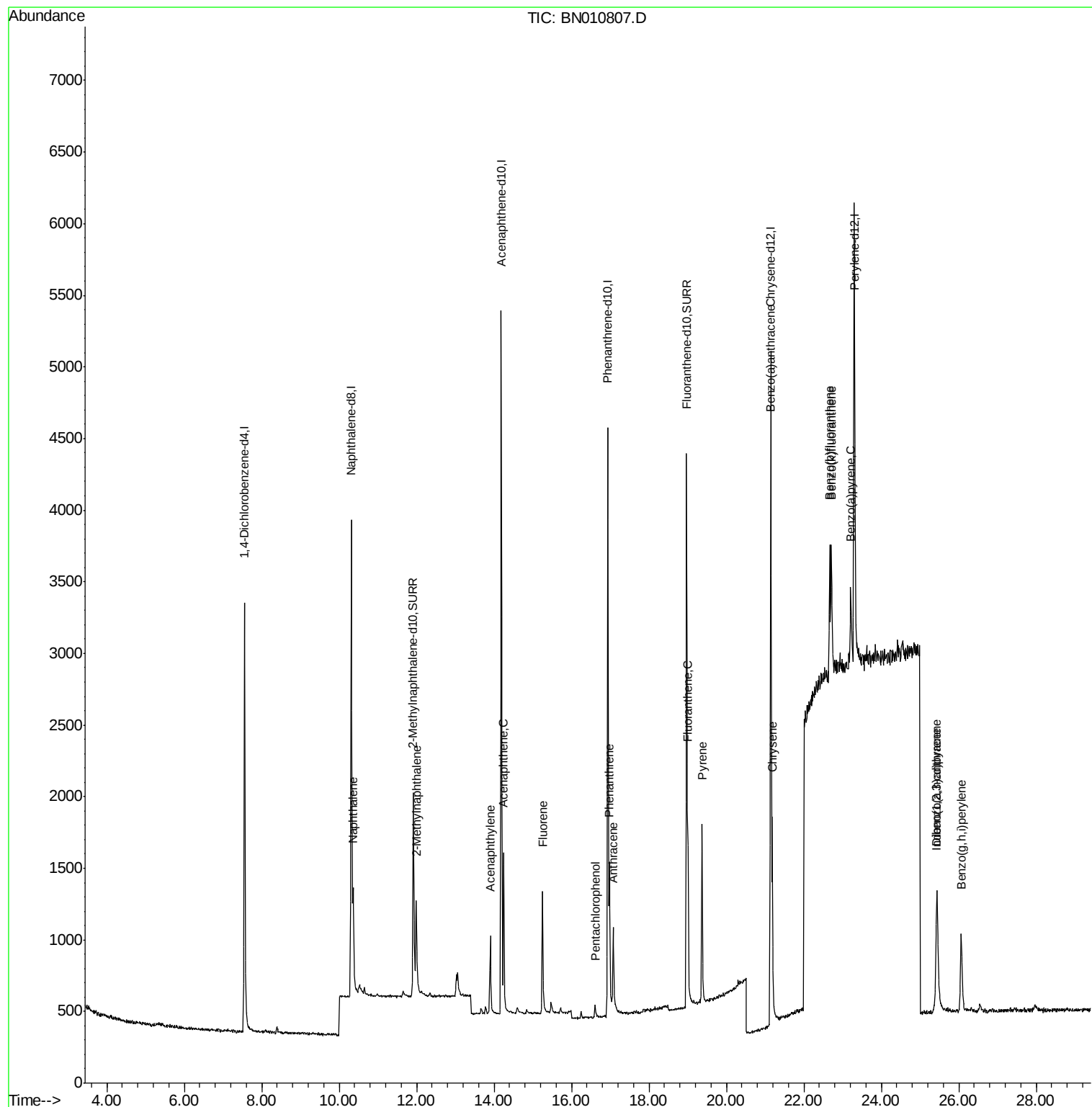
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1774	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	5752	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2939	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5874	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4784	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4438	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	2629	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5216	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	1018	0.060	ng/ul#	84
5) 2-Methylnaphthalene	11.99	142	623	0.059	ng/ul	99
7) Acenaphthylene	13.90	152	792	0.060	ng/ul#	85
8) Acenaphthene	14.25	153	661	0.060	ng/ul	96
9) Fluorene	15.25	166	728	0.060	ng/ul#	97
11) Pentachlorophenol	16.61	266	76	0.055	ng/ul#	88
12) Phenanthrene	16.97	178	1143	0.060	ng/ul#	89
13) Anthracene	17.08	178	884	0.056	ng/ul#	81
15) Fluoranthene	19.01	202	1279	0.060	ng/ul	92
17) Pyrene	19.37	202	1275	0.061	ng/ul#	89
18) Benzo(a)anthracene	21.13	228	1008m	0.059	ng/ul	
19) Chrysene	21.18	228	1314	0.061	ng/ul	93
21) Benzo(b)fluoranthene	22.67	252	1220	0.062	ng/ul#	52
22) Benzo(k)fluoranthene	22.71	252	1334	0.064	ng/ul#	47
23) Benzo(a)pyrene	23.21	252	968	0.058	ng/ul#	34
24) Indeno(1,2,3-cd)pyrene	25.43	276	1365	0.060	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.44	278	1088	0.058	ng/ul#	50
26) Benzo(g,h,i)perylene	26.06	276	1301	0.061	ng/ul#	80

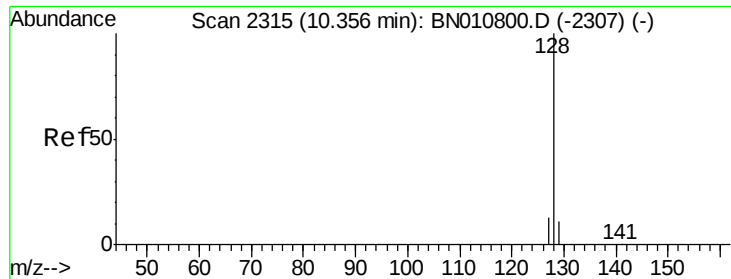
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 15:03:58 2020
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#3

Naphthalene

Concen: 0.060 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

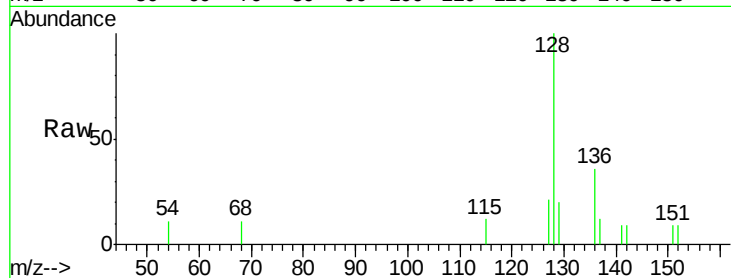
Tot Ion:128 Resp: 1018

Ion Ratio Lower Upper

128 100

129 19.6 9.9 14.9#

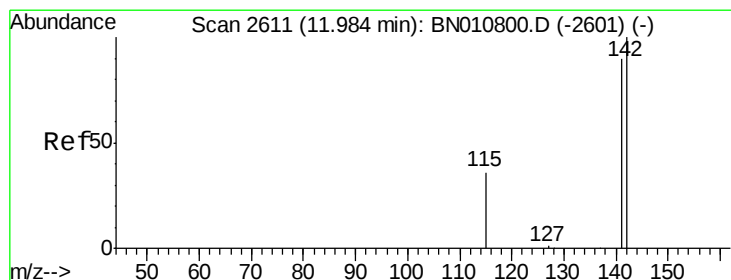
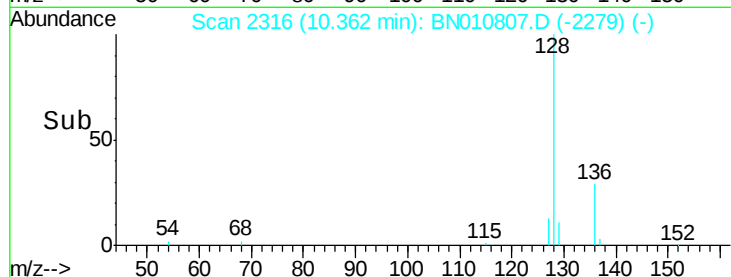
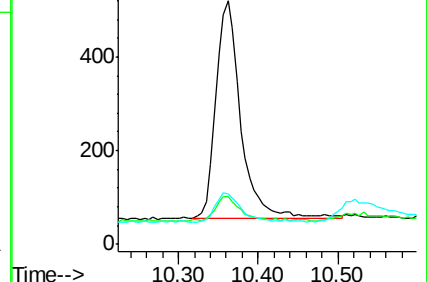
127 20.6 11.7 17.5#



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: 0.059 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BN010807.D

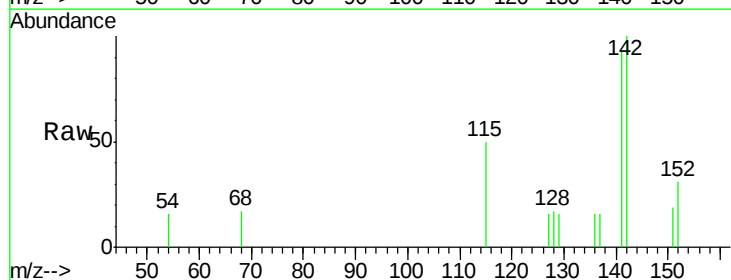
Acq: 08 Jun 2020 14:26

Tgt Ion:142 Resp: 623

Ion Ratio Lower Upper

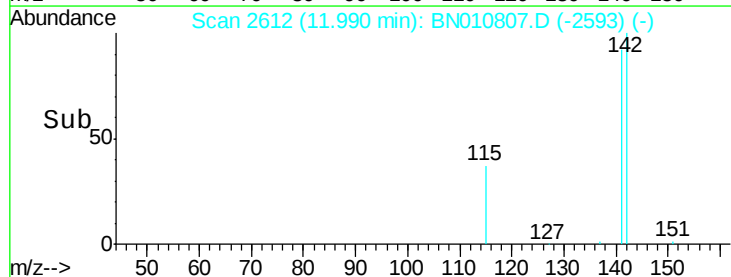
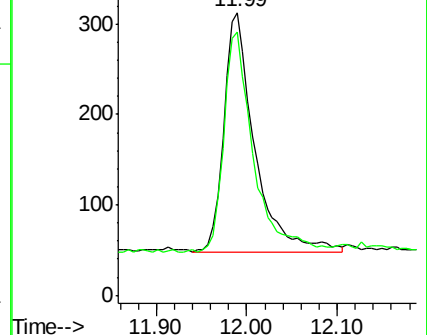
142 100

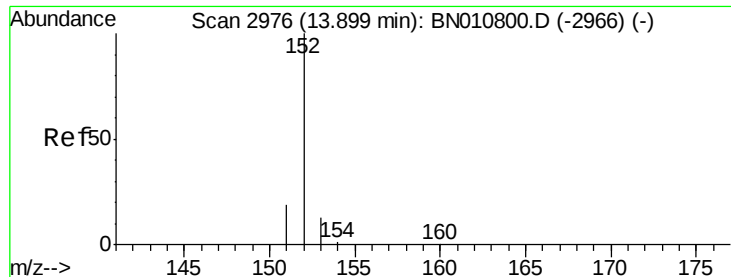
141 89.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

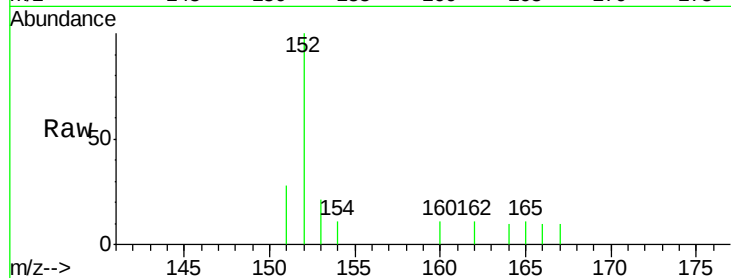
Tot Ion:152 Resp: 792

Ion Ratio Lower Upper

152 100

151 27.5 16.3 24.5#

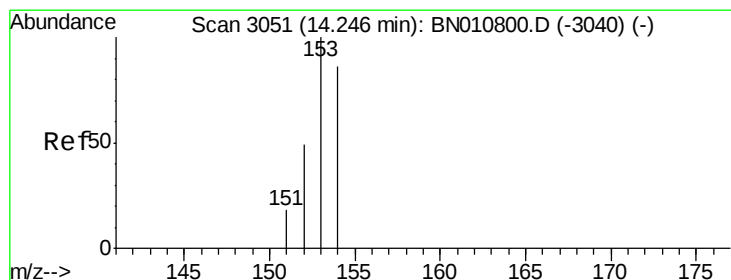
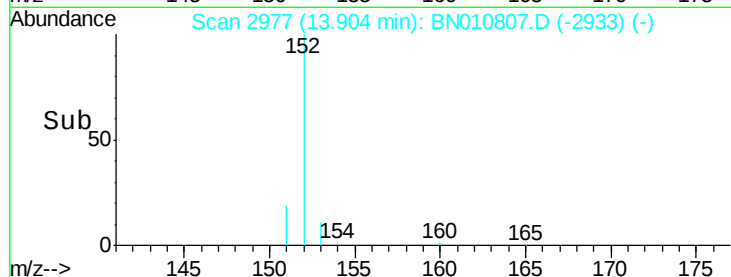
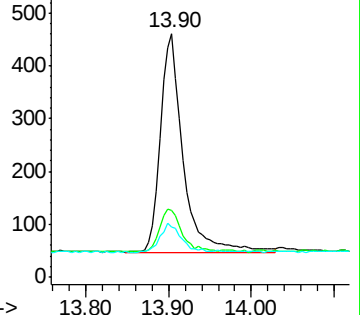
153 20.6 11.4 17.2#



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: 0.060 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. 0.00 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

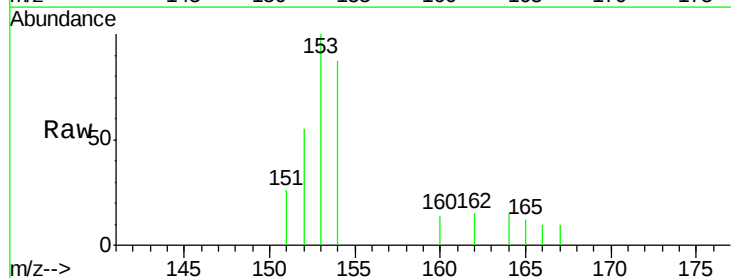
Tgt Ion:153 Resp: 661

Ion Ratio Lower Upper

153 100

152 55.1 40.1 60.1

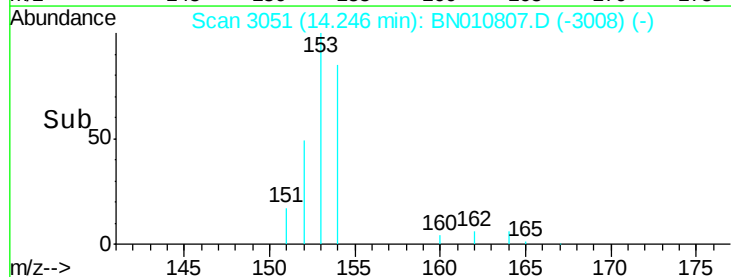
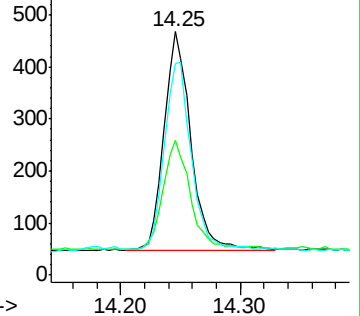
154 86.8 70.6 106.0

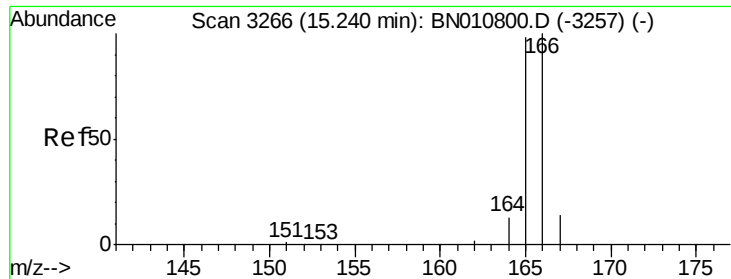


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.060 ng/ul

RT: 15.25 min Scan# 3268

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

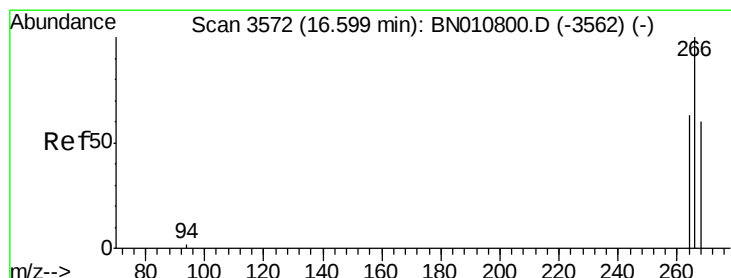
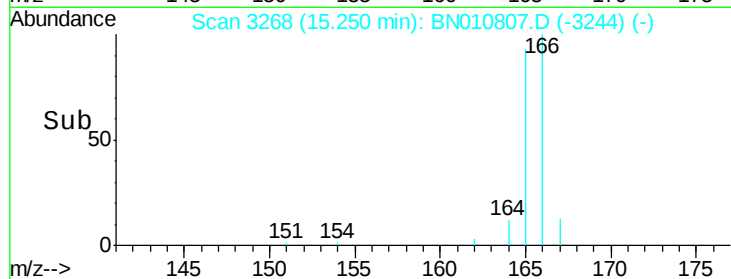
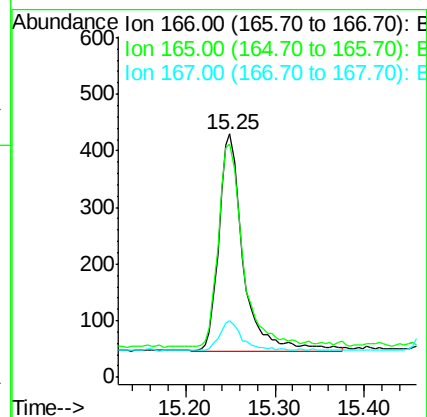
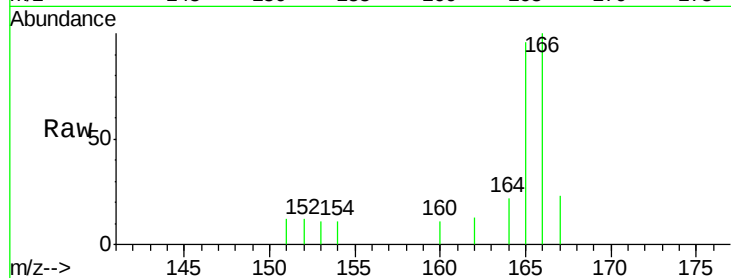
Tot Ion:166 Resp: 728

Ion Ratio Lower Upper

166 100

165 96.0 77.3 115.9

167 23.0 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.055 ng/ul

RT: 16.61 min Scan# 3574

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

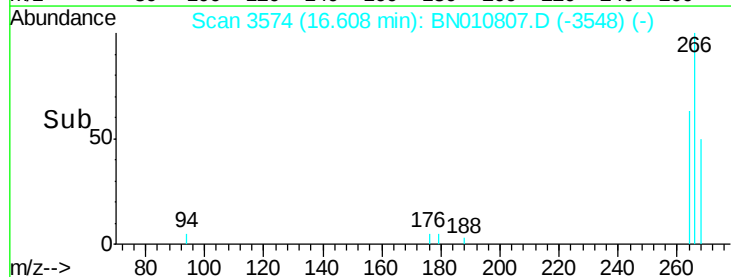
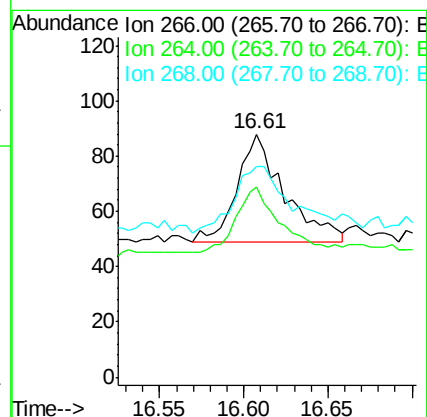
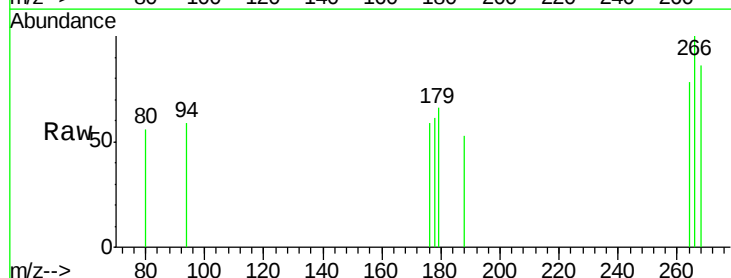
Tgt Ion:266 Resp: 76

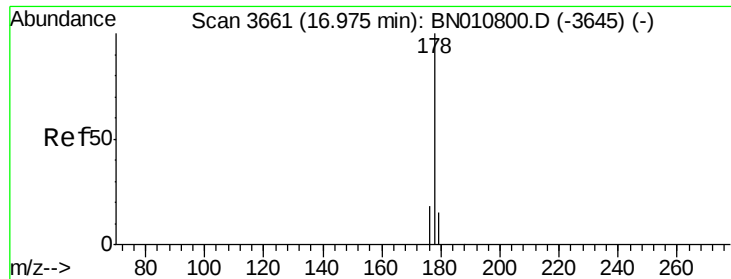
Ion Ratio Lower Upper

266 100

264 57.9 50.3 75.5

268 82.9 54.8 82.2#





#12

Phenanthrene

Concen: 0.060 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

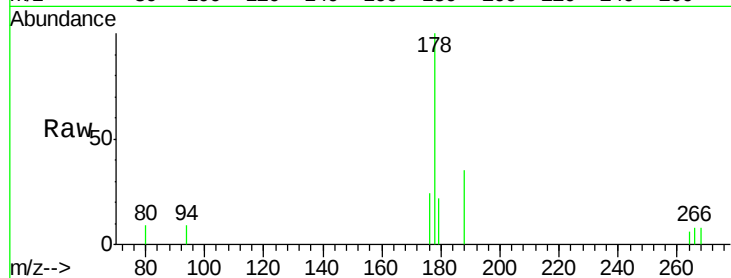
Tot Ion:178 Resp: 1143

Ion Ratio Lower Upper

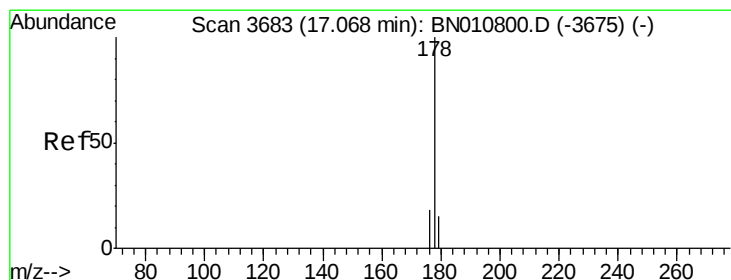
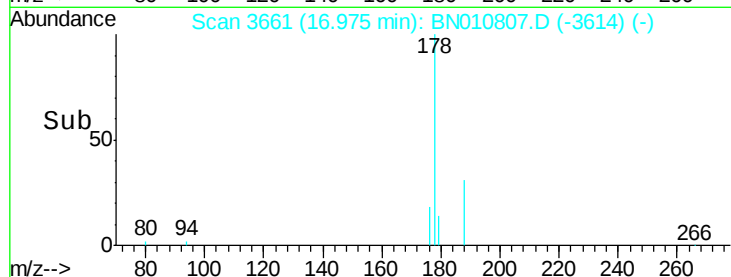
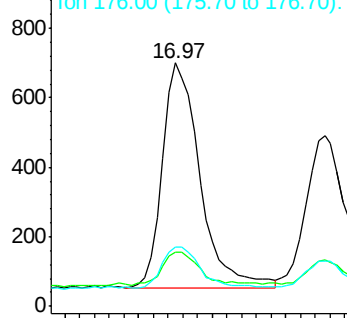
178 100

179 22.1 13.0 19.6#

176 24.1 15.8 23.8#



Abundance Ion 178.00 (177.70 to 178.70): E



#13

Anthracene

Concen: 0.056 ng/ul

RT: 17.08 min Scan# 3685

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

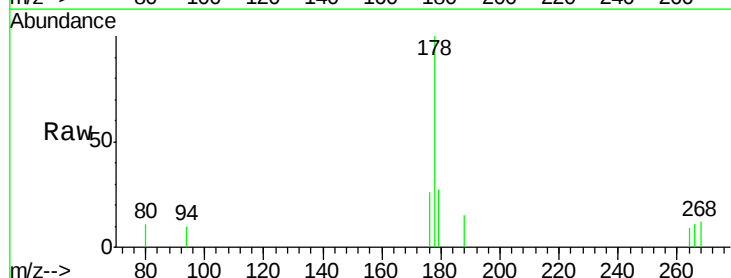
Tgt Ion:178 Resp: 884

Ion Ratio Lower Upper

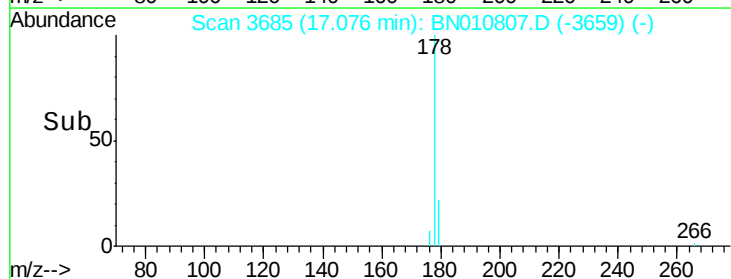
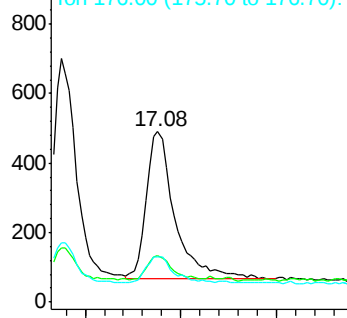
178 100

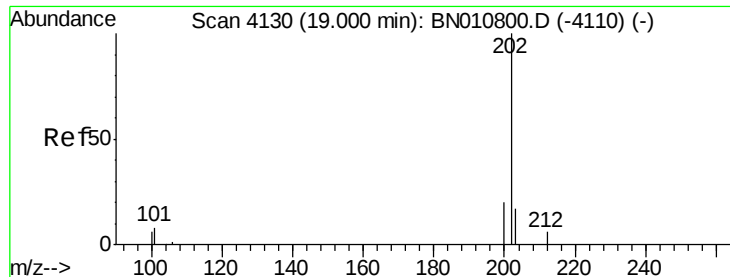
179 26.9 13.6 20.4#

176 26.5 15.5 23.3#



Abundance Ion 178.00 (177.70 to 178.70): E

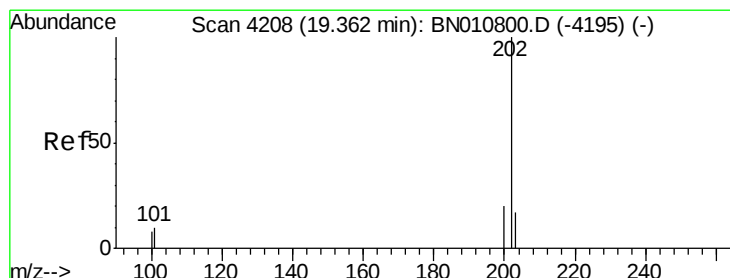
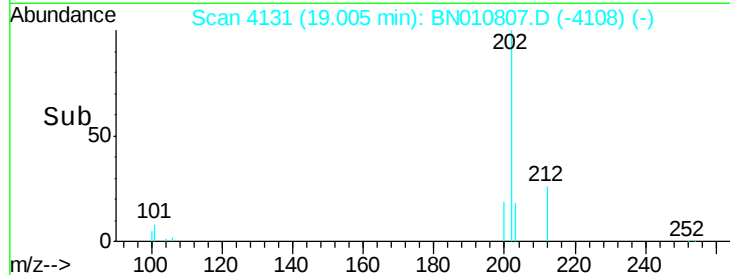
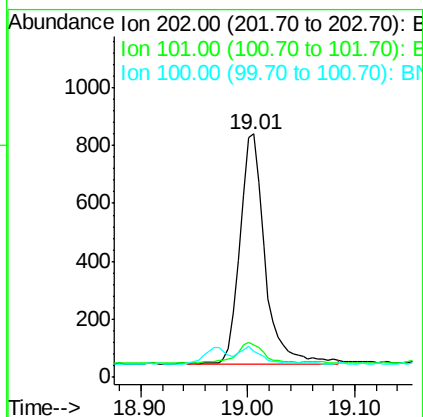
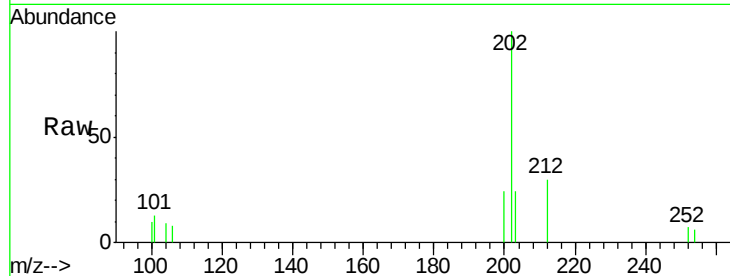




#15
Fluoranthene
Concen: 0.060 ng/ul
RT: 19.01 min Scan# 4131
Delta R.T. 0.01 min
Lab File: BN010807.D
Acq: 08 Jun 2020 14:26

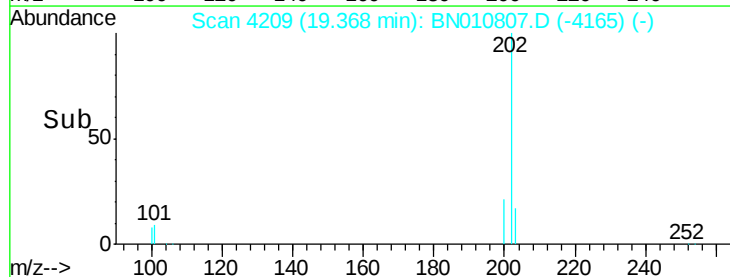
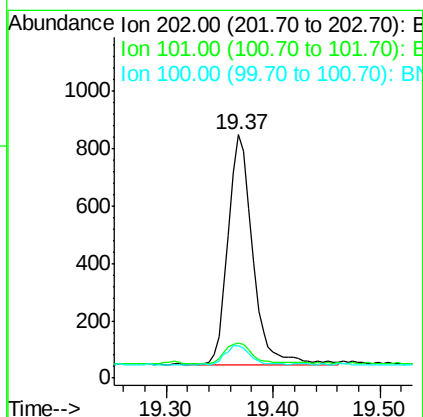
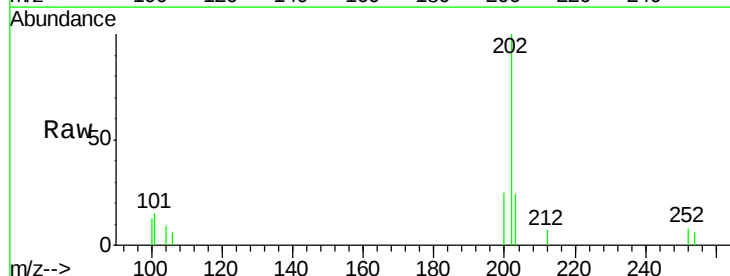
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-06

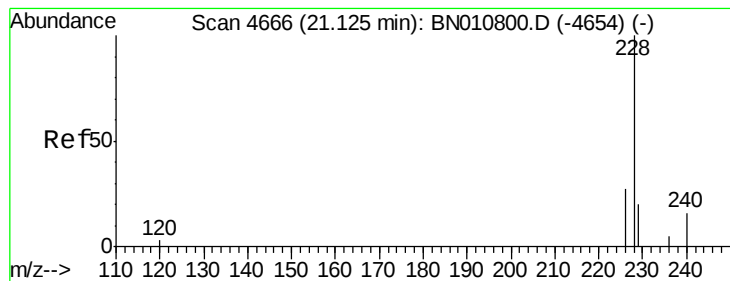
Tot Ion:202 Resp: 1279
Ion Ratio Lower Upper
202 100
101 13.1 0.0 29.8
100 10.5 0.0 28.0



#17
Pyrene
Concen: 0.061 ng/ul
RT: 19.37 min Scan# 4209
Delta R.T. 0.01 min
Lab File: BN010807.D
Acq: 08 Jun 2020 14:26

Tgt Ion:202 Resp: 1275
Ion Ratio Lower Upper
202 100
101 14.6 8.6 12.8#
100 13.3 7.1 10.7#





#18

Benzo(a)anthracene

Concen: 0.059 ng/ul m

RT: 21.13 min Scan# 4668

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

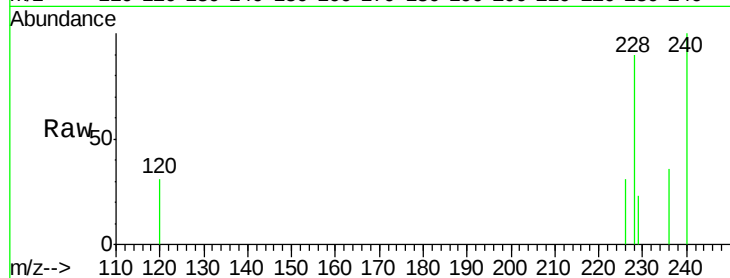
Tot Ion:228 Resp: 1008

Ion Ratio Lower Upper

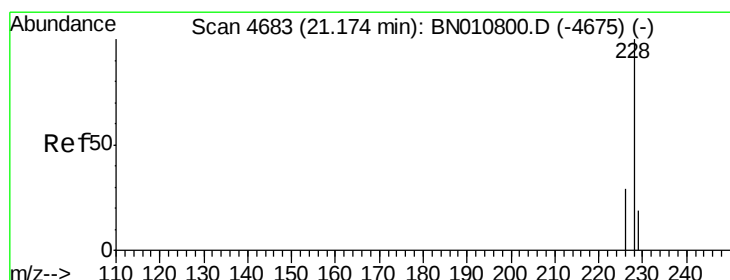
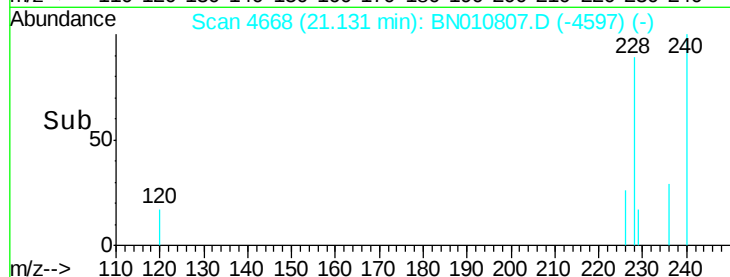
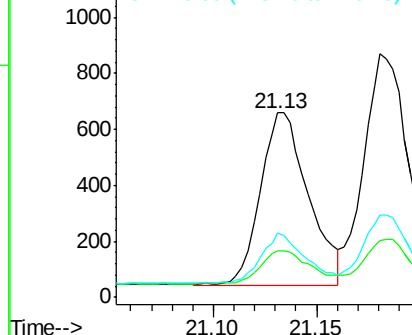
228 100

229 25.2 16.0 24.0#

226 34.7 22.9 34.3#



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: 0.061 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

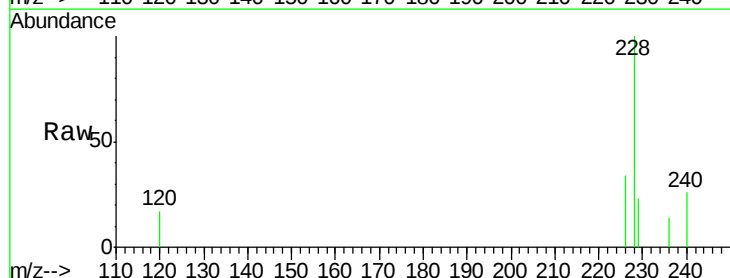
Tgt Ion:228 Resp: 1314

Ion Ratio Lower Upper

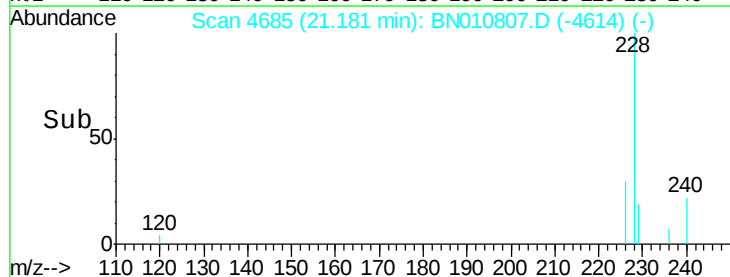
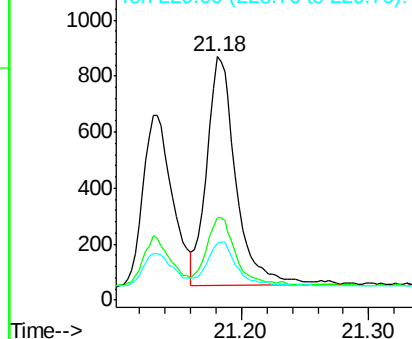
228 100

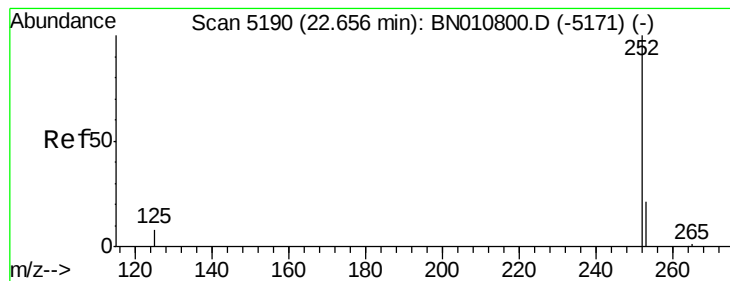
226 33.7 23.7 35.5

229 23.2 16.2 24.2



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: 0.062 ng/u1

RT: 22.67 min Scan# 5193

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

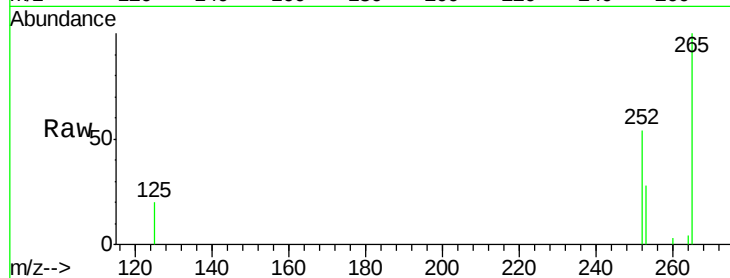
Tot Ion:252 Resp: 1220

Ion Ratio Lower Upper

252 100

253 52.1 0.0 57.6

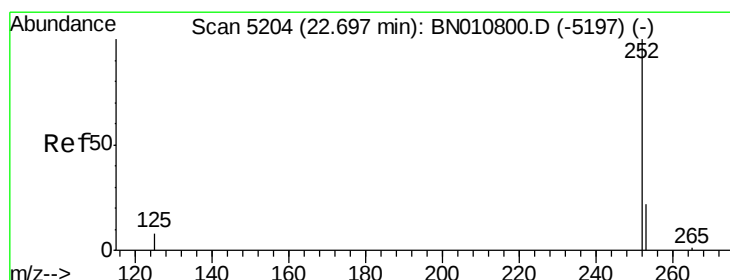
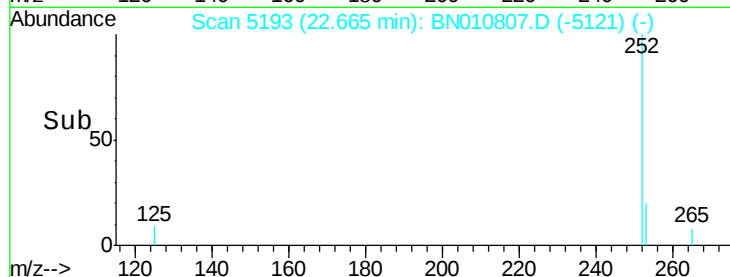
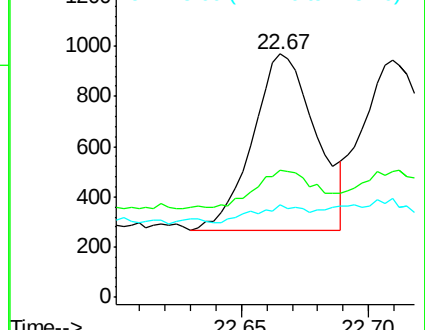
125 38.2 0.0 29.4#



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: 0.064 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

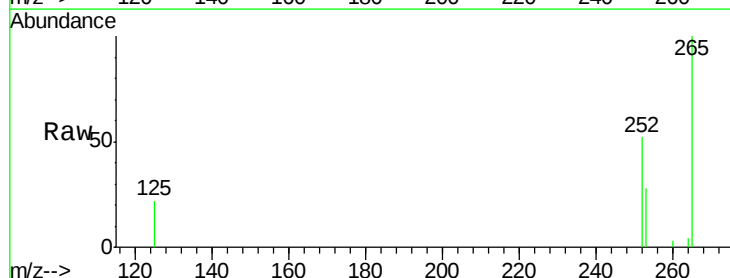
Tgt Ion:252 Resp: 1334

Ion Ratio Lower Upper

252 100

253 53.3 22.7 34.1#

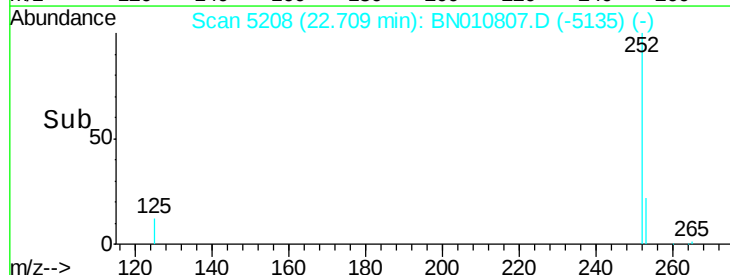
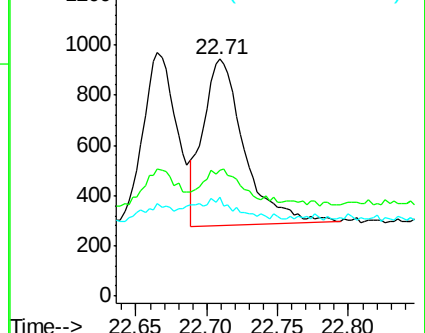
125 41.7 12.2 18.4#

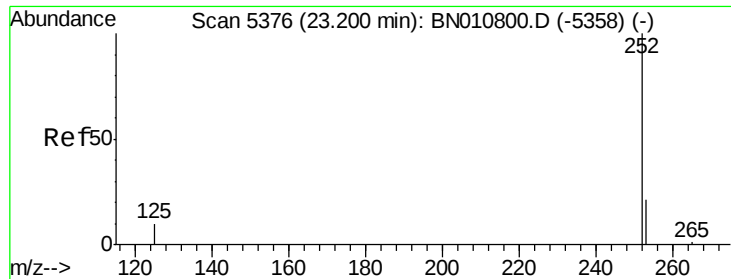


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.21 min Scan# 5379

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

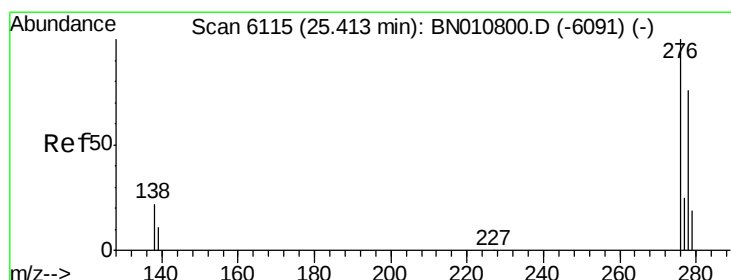
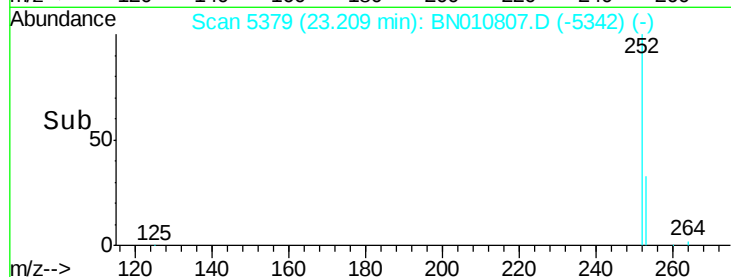
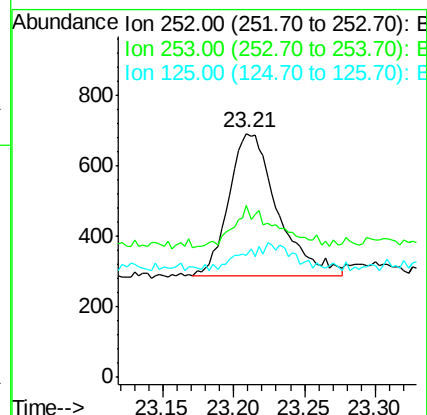
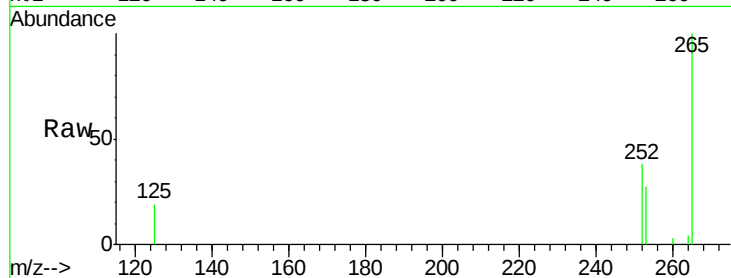
Tot Ion:252 Resp: 968

Ion Ratio Lower Upper

252 100

253 70.6 26.3 39.5#

125 49.9 16.1 24.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng/u1

RT: 25.43 min Scan# 6119

Delta R.T. 0.01 min

Lab File: BN010807.D

Acq: 08 Jun 2020 14:26

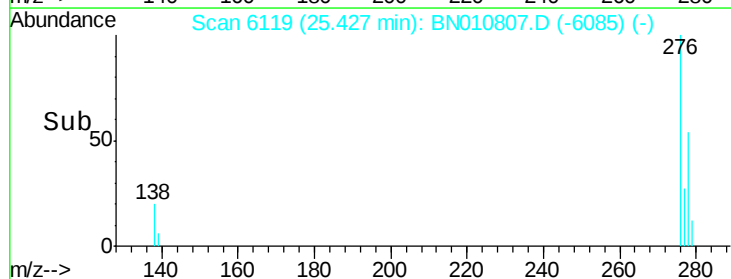
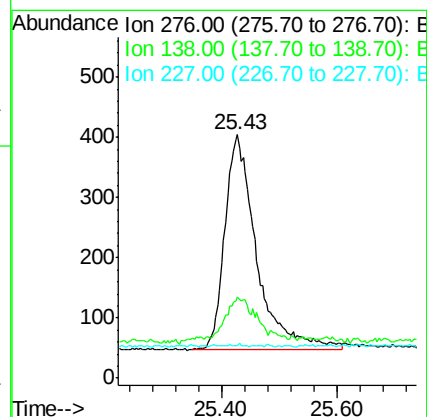
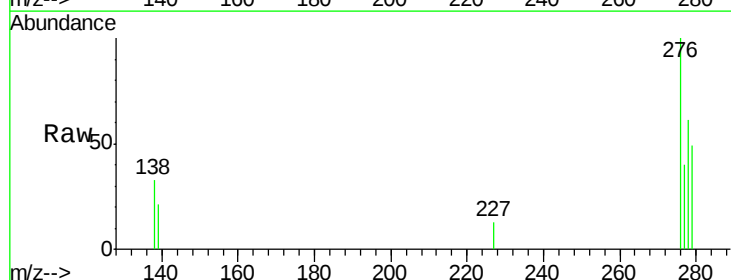
Tgt Ion:276 Resp: 1365

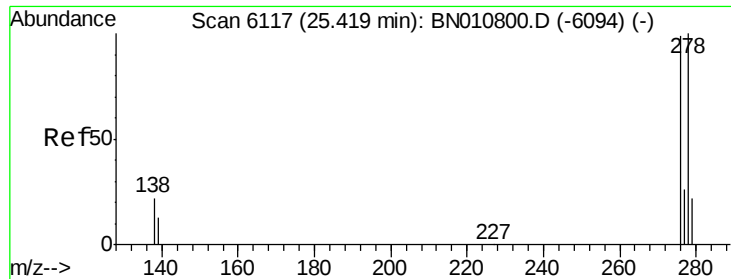
Ion Ratio Lower Upper

276 100

138 16.6 17.6 26.4#

227 0.4 0.1 0.1#

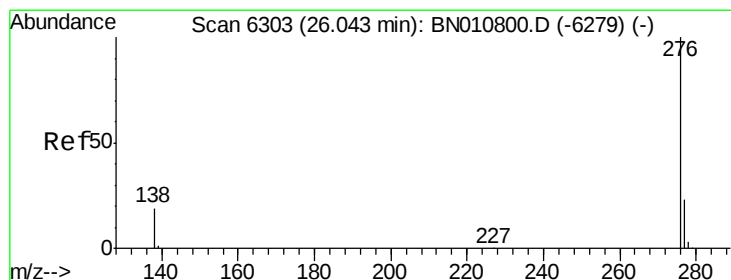
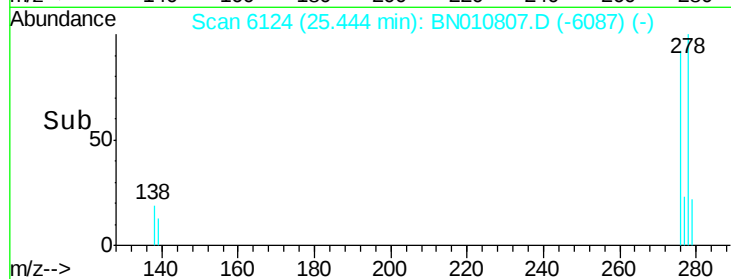
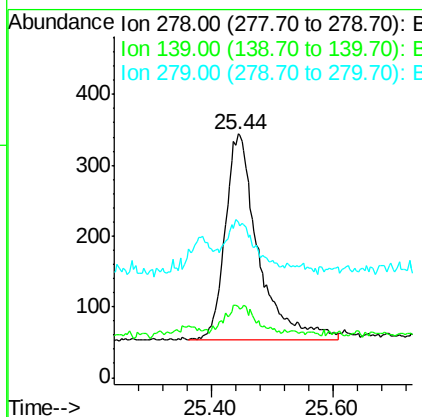
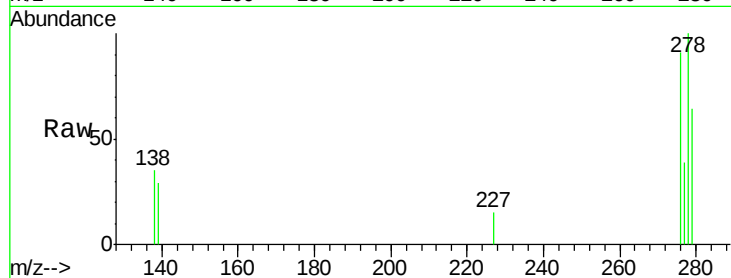




#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.44 min Scan# 6124
Delta R.T. 0.02 min
Lab File: BN010807.D
Acq: 08 Jun 2020 14:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-06

Tot Ion:278 Resp: 1088
Ion Ratio Lower Upper
278 100
139 29.1 13.7 20.5#
279 63.7 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.061 ng/ul
RT: 26.06 min Scan# 6309
Delta R.T. 0.02 min
Lab File: BN010807.D
Acq: 08 Jun 2020 14:26

Tgt Ion:276 Resp: 1301
Ion Ratio Lower Upper
276 100
138 30.5 17.5 26.3#
277 36.6 20.7 31.1#

