

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\
 Data File : BN003315.D
 Acq On : 26 Oct 2018 21:13
 Operator : MJ/SJ
 Sample : J5164-09
 Misc : 0.1 PPM MDL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 29 16:41:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 16:15:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	12455	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	51550	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	30104	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	75369	0.40	ng	0.00
27) Chrysene-d12	21.42	240	79106	0.40	ng	0.00
34) Perylene-d12	23.74	264	72507	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	9432	0.31	ng	0.00
5) Phenol-d6	7.01	99	11735	0.30	ng	0.00
8) Nitrobenzene-d5	9.02	82	8196	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	25645	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	3149	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	43681	0.34	ng	-0.01
25) Fluoranthene-d10	19.26	212	62161	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	58304	0.32	ng	0.00

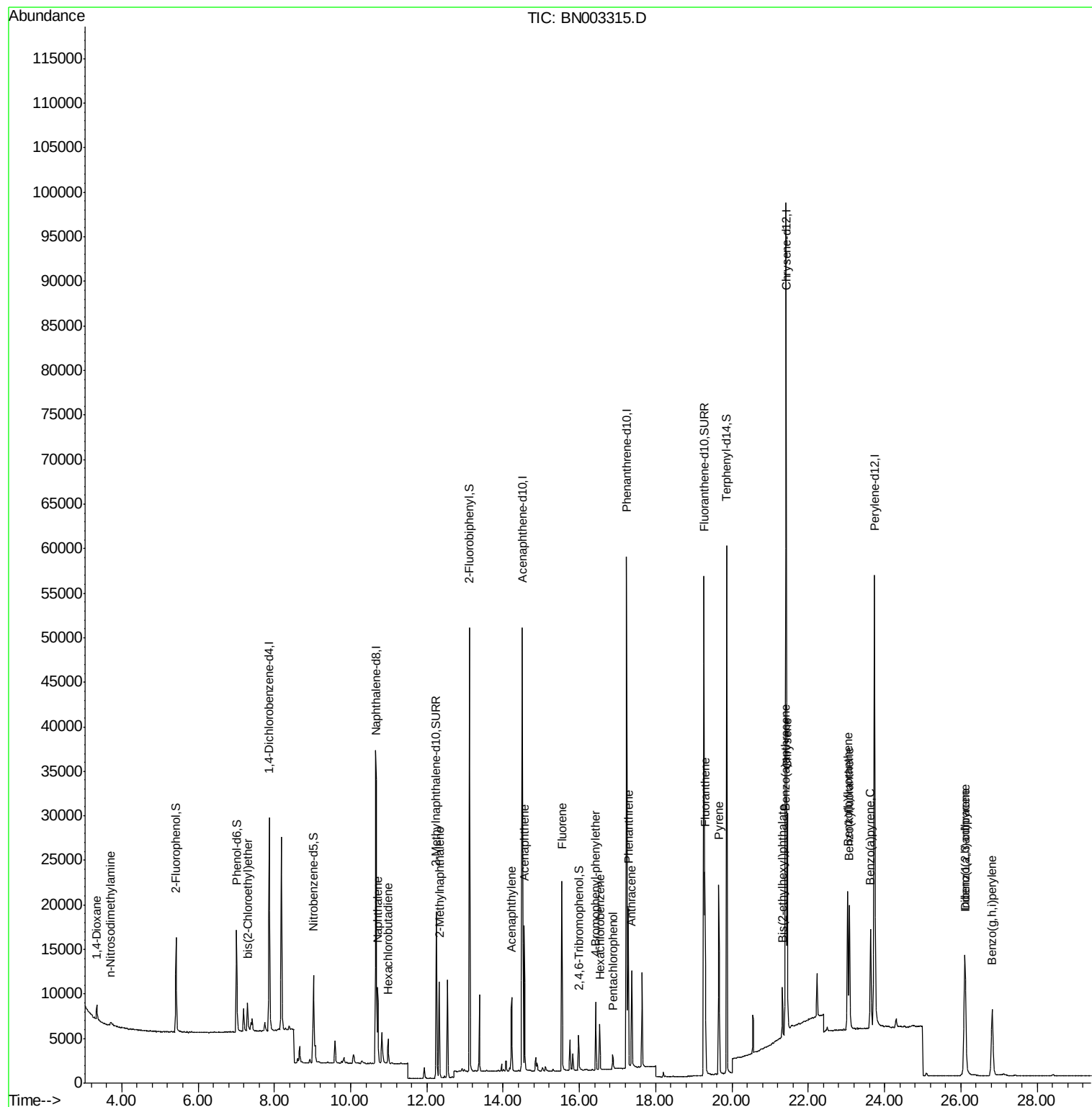
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1507	0.093	ng	93
3) n-Nitrosodimethylamine	3.71	42	412	0.056	ng	# 80
6) bis(2-Chloroethyl)ether	7.30	93	2923	0.084	ng	94
9) Naphthalene	10.71	128	11424	0.091	ng	98
10) Hexachlorobutadiene	10.99	225	2157	0.094	ng	# 100
12) 2-Methylnaphthalene	12.32	142	7781	0.088	ng	98
16) Acenaphthylene	14.22	152	10169	0.076	ng	100
17) Acenaphthene	14.56	154	7993	0.086	ng	99
18) Fluorene	15.55	166	9927	0.085	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	3672	0.084	ng	# 79
21) Hexachlorobenzene	16.54	284	4205	0.091	ng	99
22) Pentachlorophenol	16.88	266	869	0.070	ng	98
23) Phenanthrene	17.28	178	17980	0.087	ng	100
24) Anthracene	17.37	178	13223	0.075	ng	99
26) Fluoranthene	19.29	202	19729	0.083	ng	99
28) Pyrene	19.66	202	19430	0.089	ng	100
30) Benzo(a)anthracene	21.40	228	16374	0.079	ng	97
31) Chrysene	21.45	228	20613	0.092	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	5020	0.082	ng	98
33) Indeno(1,2,3-cd)pyrene	26.10	276	18876	0.082	ng	98
35) Benzo(b)fluoranthene	23.03	252	19974	0.088	ng	94
36) Benzo(k)fluoranthene	23.08	252	18533	0.083	ng	# 90
37) Benzo(a)pyrene	23.63	252	16558	0.080	ng	91
38) Dibenzo(a,h)anthracene	26.12	278	15153	0.079	ng	93
39) Benzo(g,h,i)perylene	26.82	276	16549	0.086	ng	97

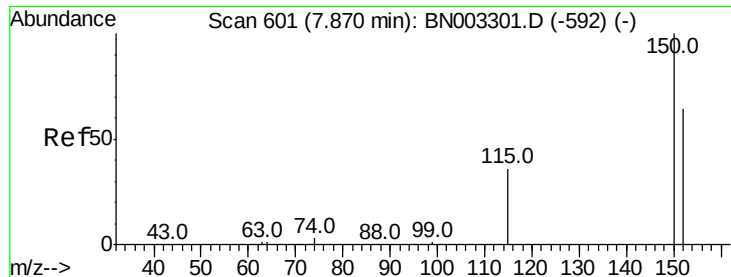
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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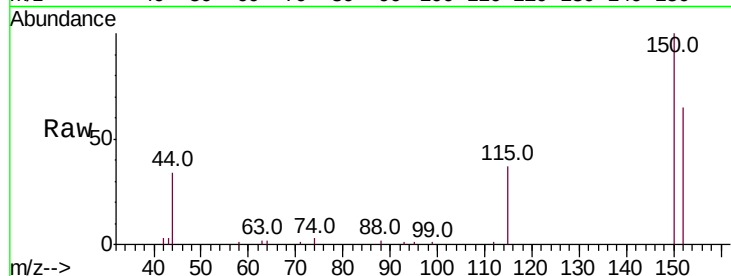


#1

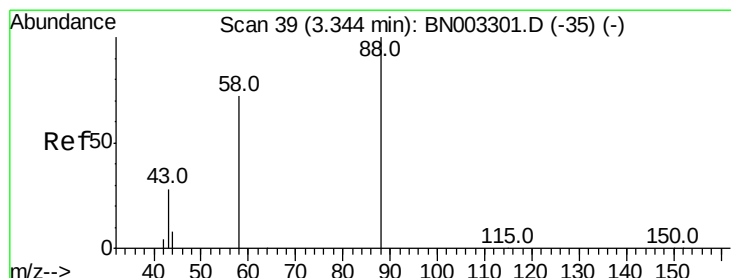
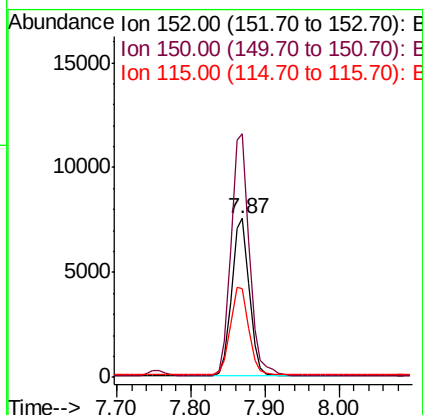
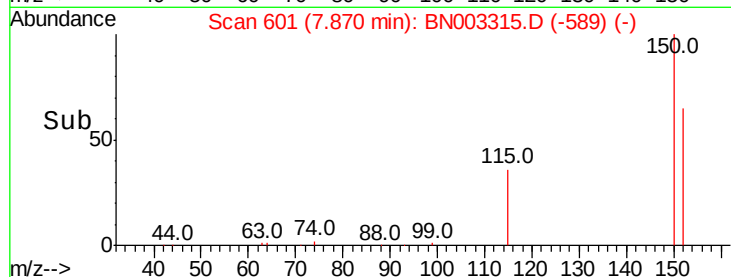
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 601
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion:152 Resp: 12455
Ion Ratio Lower Upper
152 100
150 153.4 124.6 187.0
115 56.1 46.4 69.6



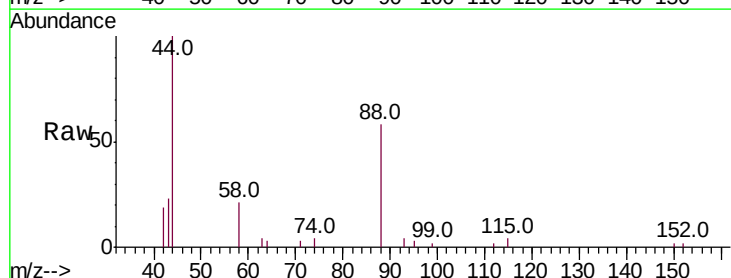
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



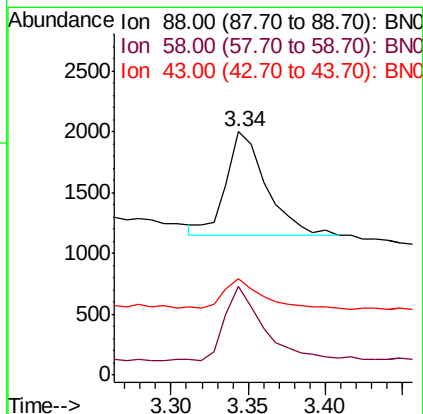
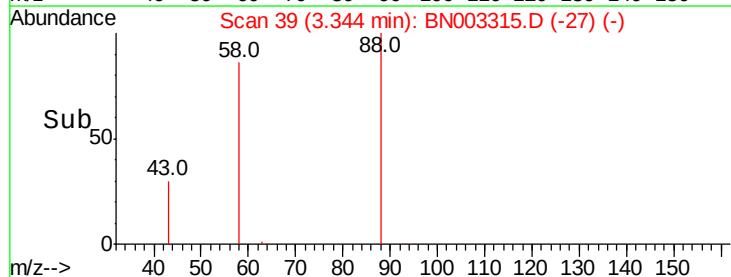
#2

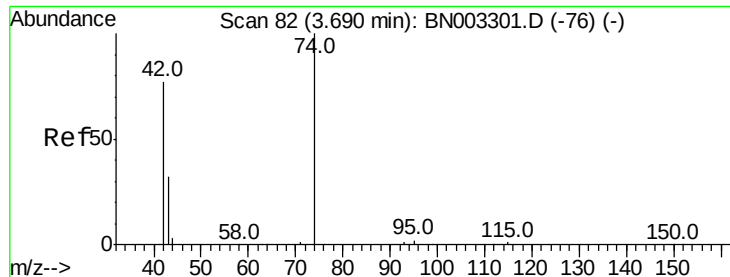
1,4-Dioxane
Concen: 0.093 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion: 88 Resp: 1507
Ion Ratio Lower Upper
88 100
58 70.7 60.9 91.3
43 25.5 23.9 35.9



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.056 ng

RT: 3.71 min Scan# 84

Delta R.T. 0.02 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

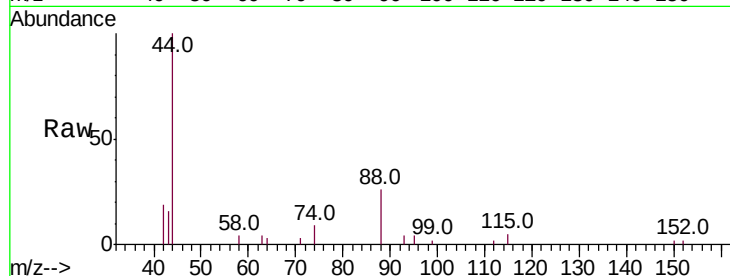
Tot Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

74 146.4 99.1 148.7

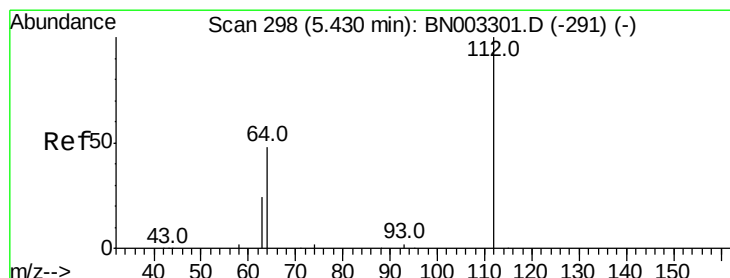
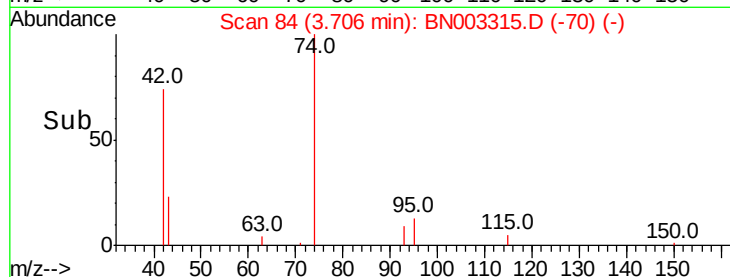
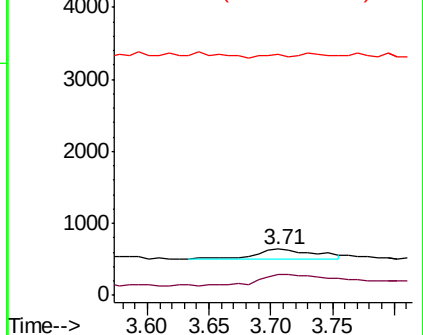
44 14.6 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.306 ng

RT: 5.42 min Scan# 297

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

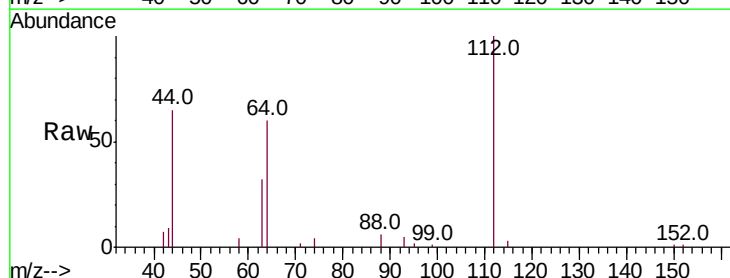
Tgt Ion: 112 Resp: 9432

Ion Ratio Lower Upper

112 100

64 54.8 44.3 66.5

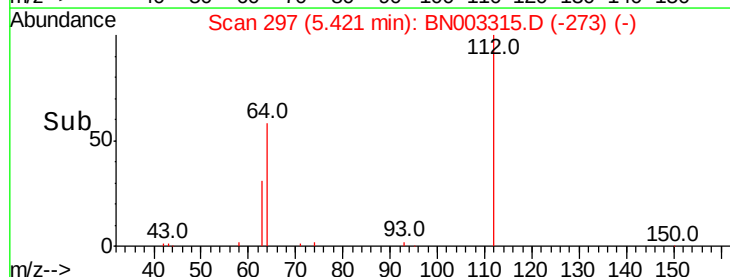
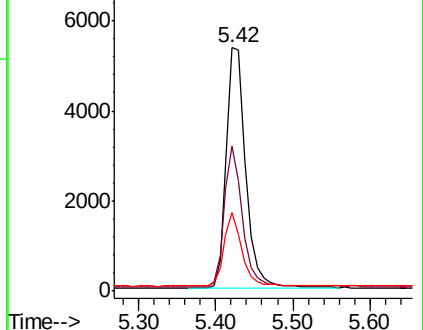
63 27.7 22.4 33.6

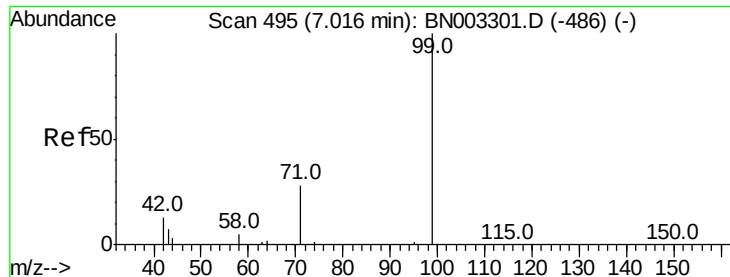


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.301 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

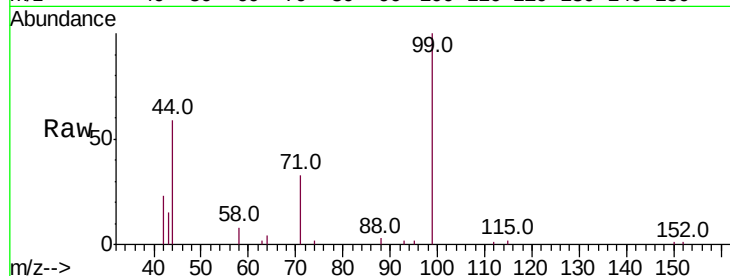
Tot Ion: 99 Resp: 11735

Ion Ratio Lower Upper

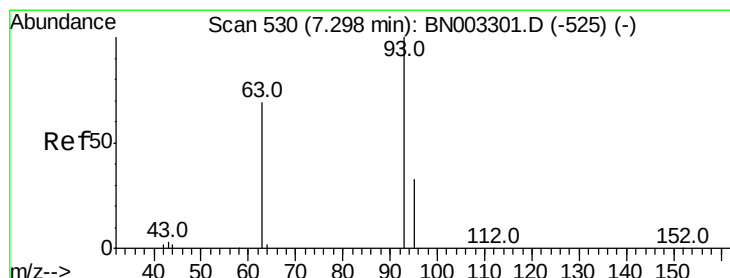
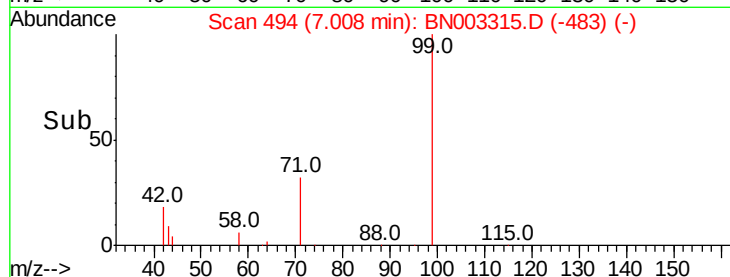
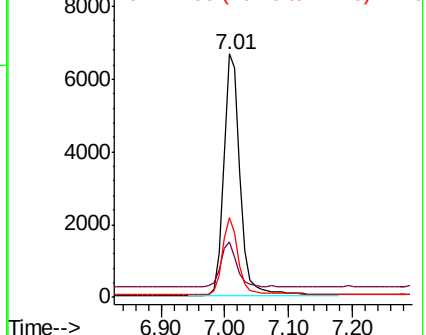
99 100

42 17.7 14.8 22.2

71 30.3 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.084 ng

RT: 7.30 min Scan# 530

Delta R.T. 0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

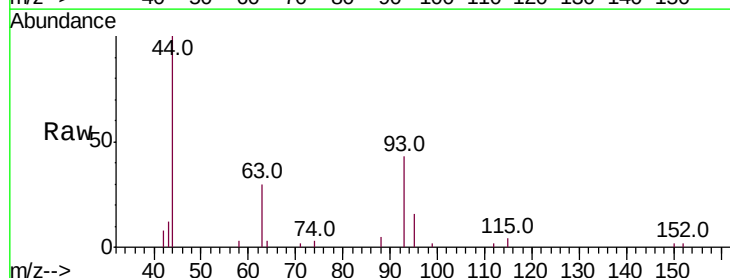
Tgt Ion: 93 Resp: 2923

Ion Ratio Lower Upper

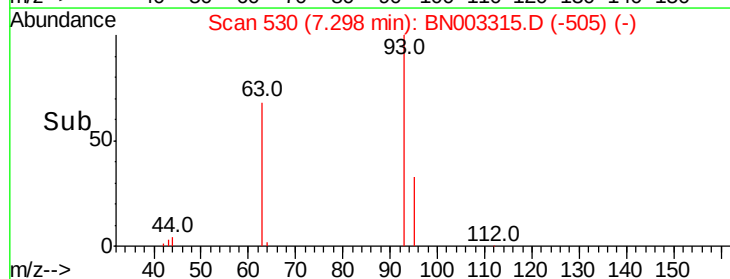
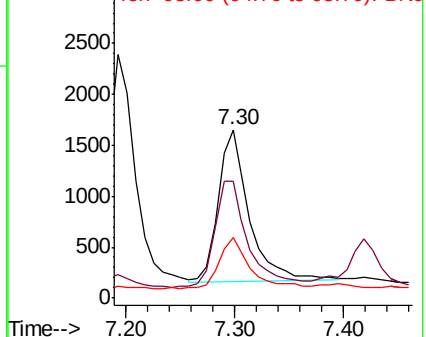
93 100

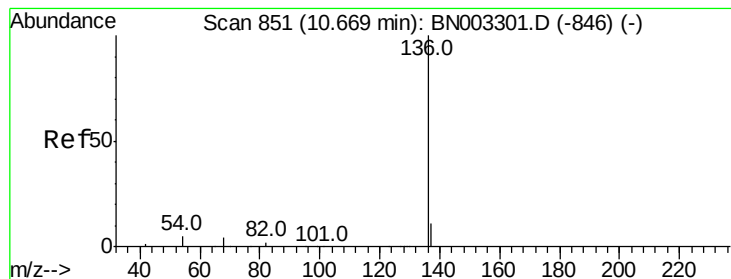
63 75.6 55.8 83.6

95 33.3 25.4 38.2



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:136 Resp: 51550

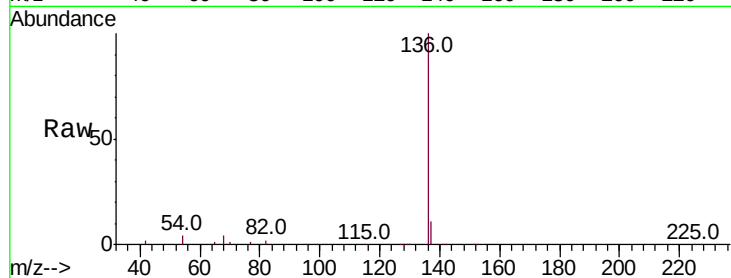
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 4.4 4.1 6.1

68 3.9 3.5 5.3

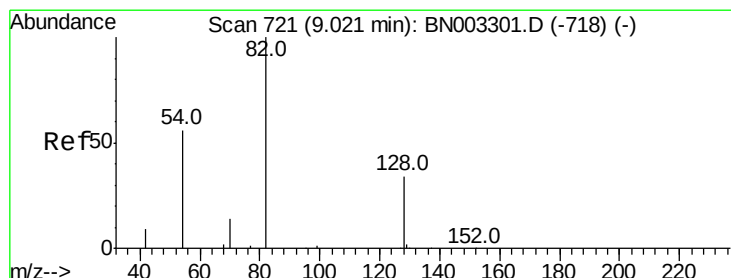
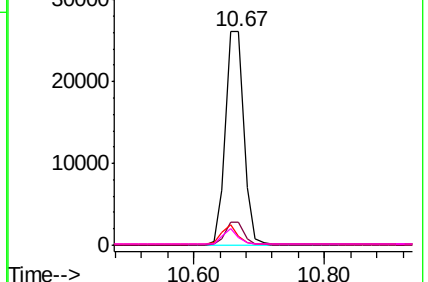
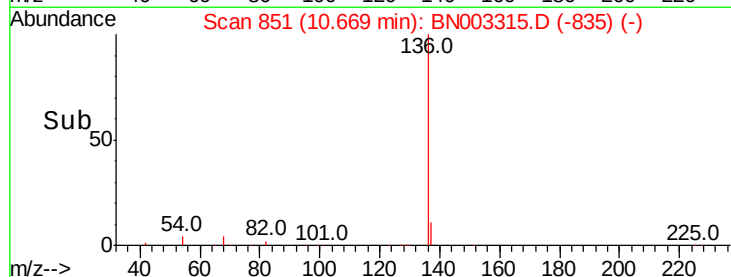


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.363 ng

RT: 9.02 min Scan# 721

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

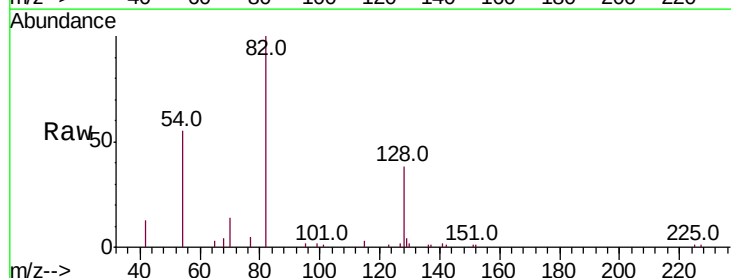
Tgt Ion: 82 Resp: 8196

Ion Ratio Lower Upper

82 100

128 37.9 28.9 43.3

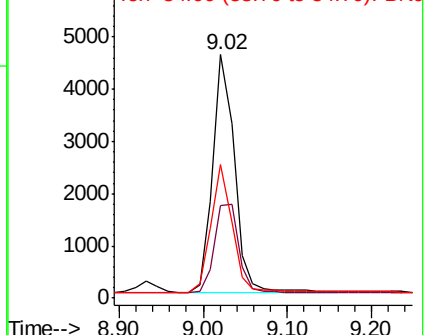
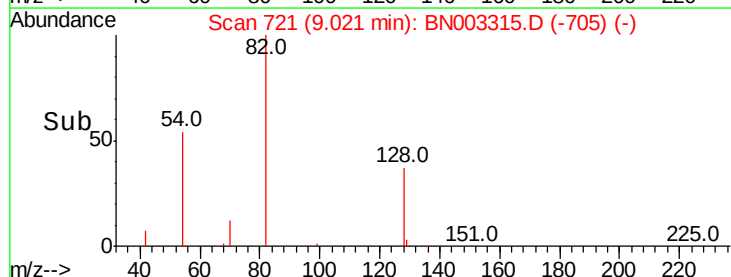
54 55.0 46.1 69.1

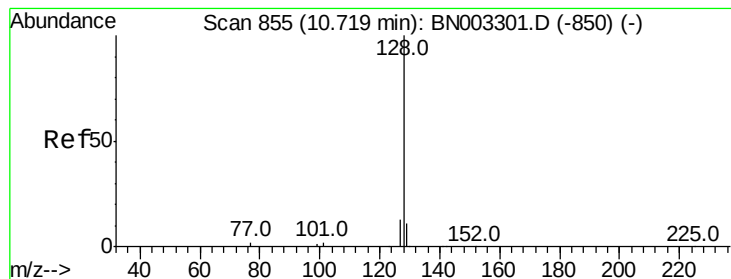


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.091 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003315.D

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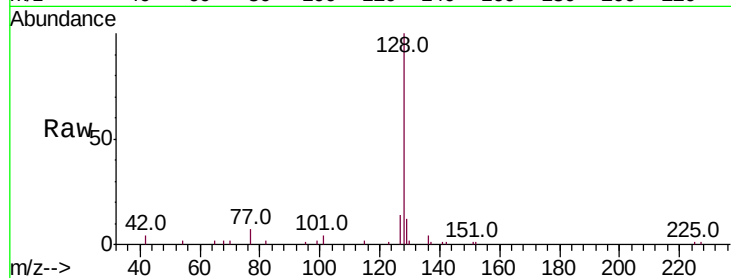
Tot Ion:128 Resp: 11424

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

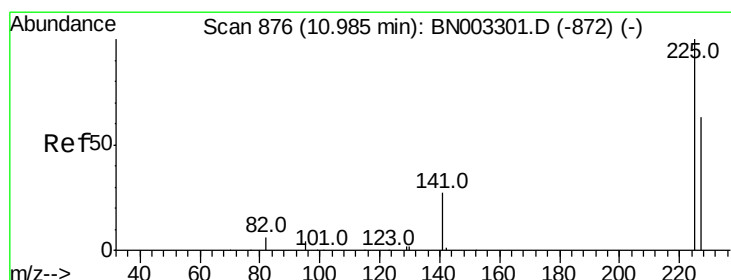
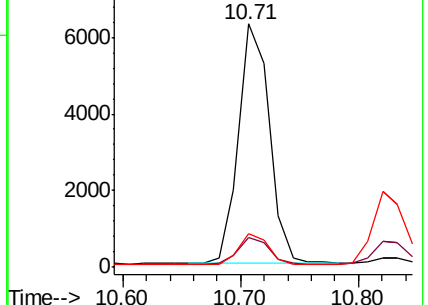
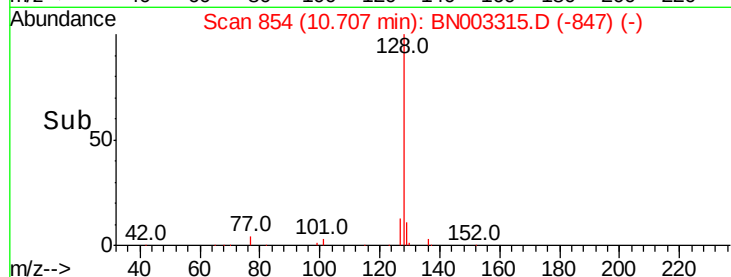
127 13.9 10.2 15.4



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

Hexachlorobutadiene

Concen: 0.094 ng

RT: 10.99 min Scan# 876

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

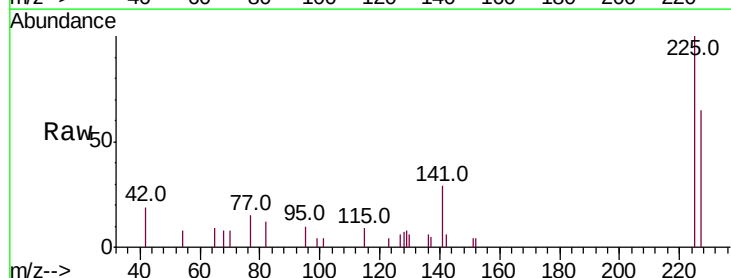
Tgt Ion:225 Resp: 2157

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

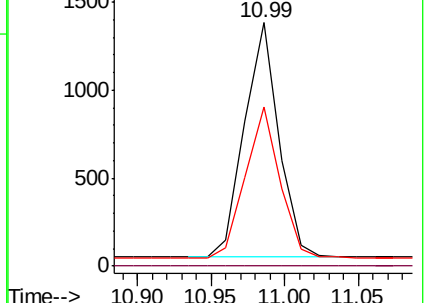
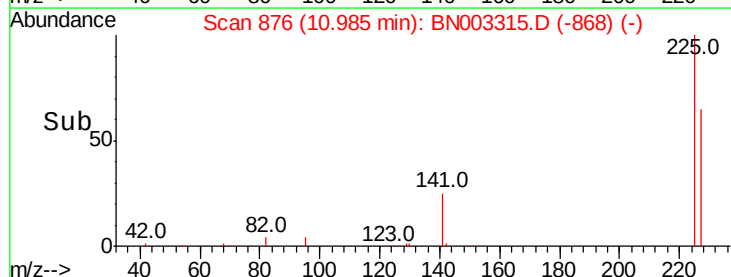
227 64.3 51.3 76.9

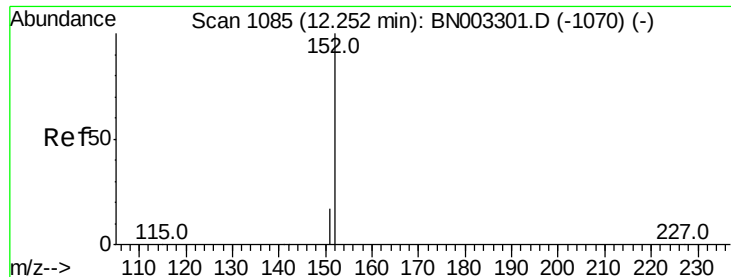


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.306 ng

RT: 12.25 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

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ClientSampleId :

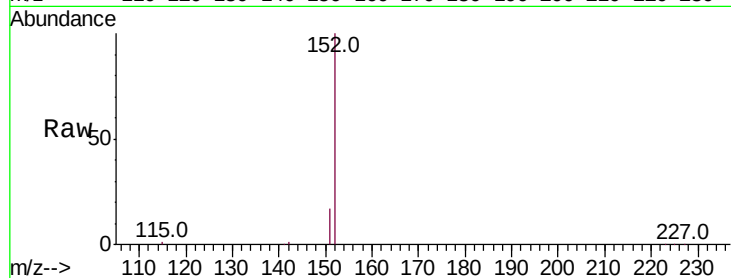
MDL-WATER-03-QT4-2018

Tot Ion:152 Resp: 25645

Ion Ratio Lower Upper

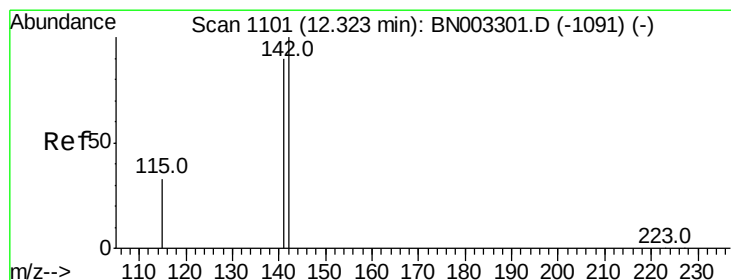
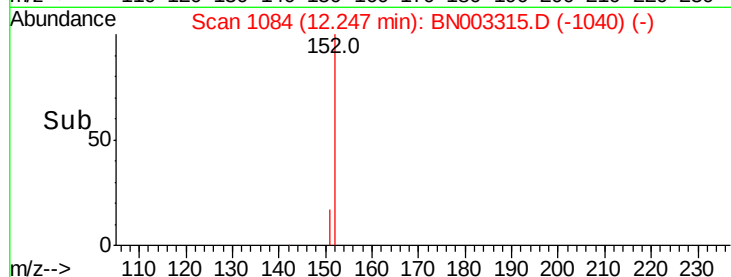
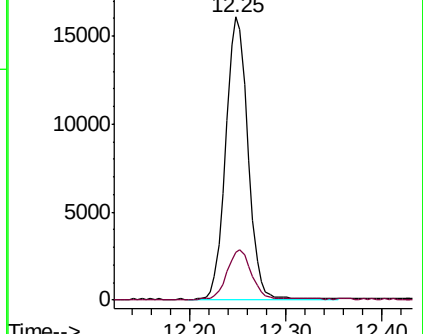
152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.088 ng

RT: 12.32 min Scan# 1101

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

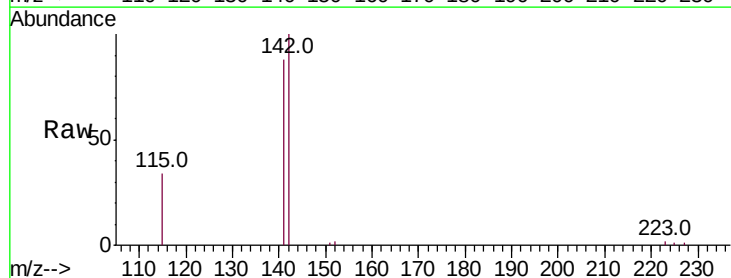
Tgt Ion:142 Resp: 7781

Ion Ratio Lower Upper

142 100

141 88.1 71.9 107.9

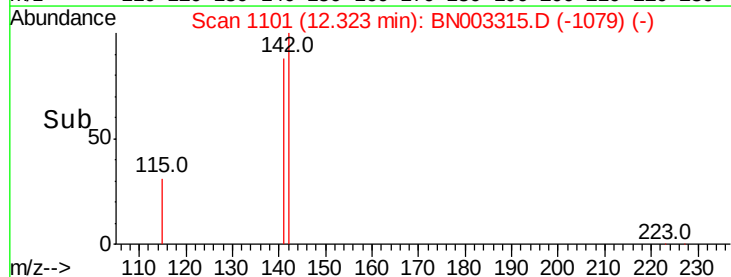
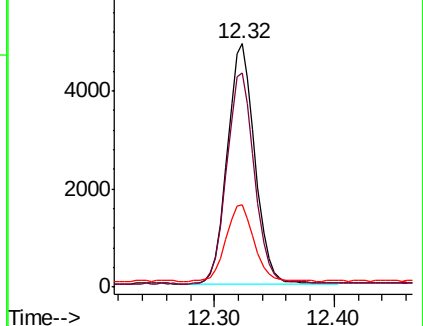
115 33.6 27.0 40.6

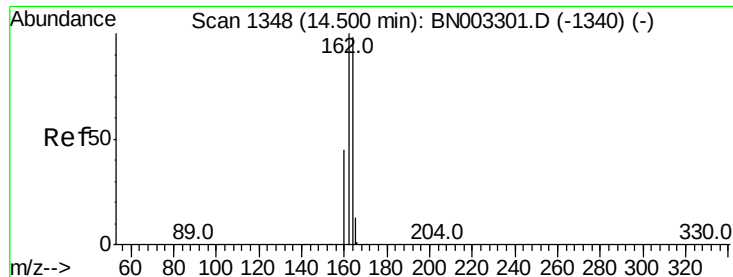


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

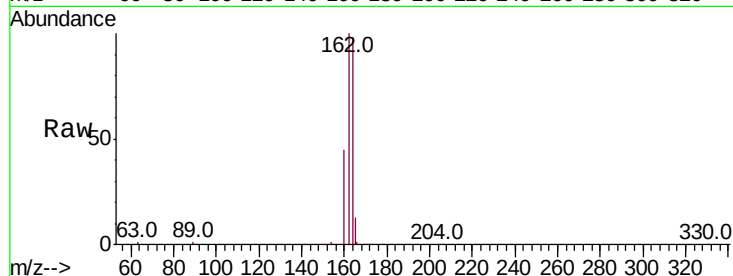
Tot Ion:164 Resp: 30104

Ion Ratio Lower Upper

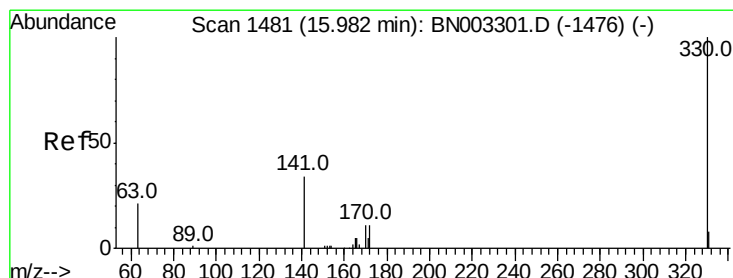
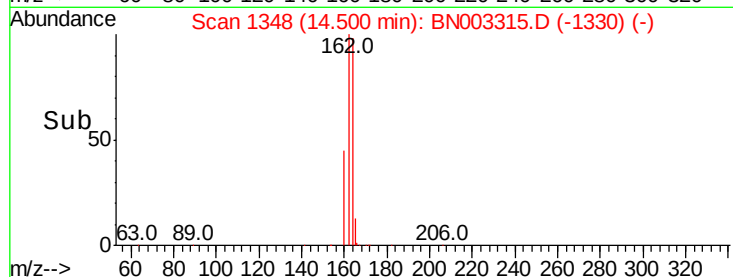
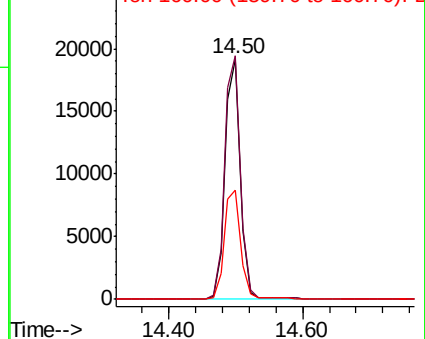
164 100

162 101.5 81.8 122.6

160 45.5 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.263 ng

RT: 15.98 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

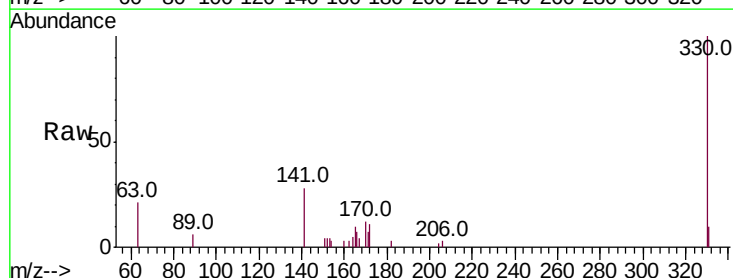
Tgt Ion:330 Resp: 3149

Ion Ratio Lower Upper

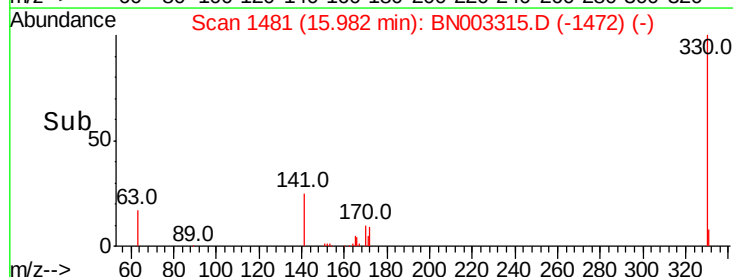
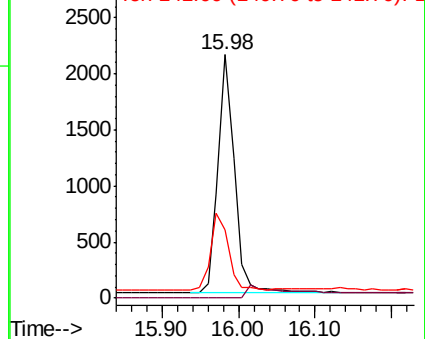
330 100

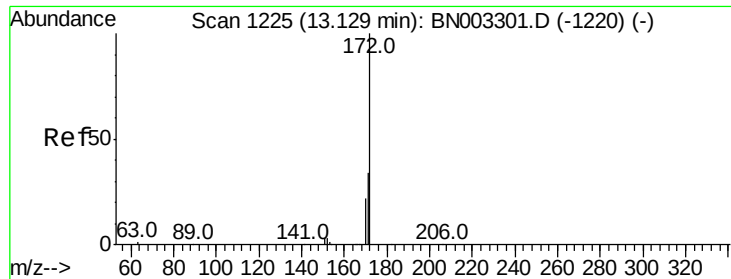
332 0.0 0.0 0.0

141 35.2 28.3 42.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

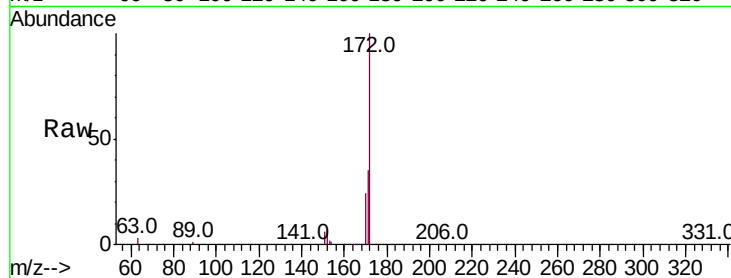




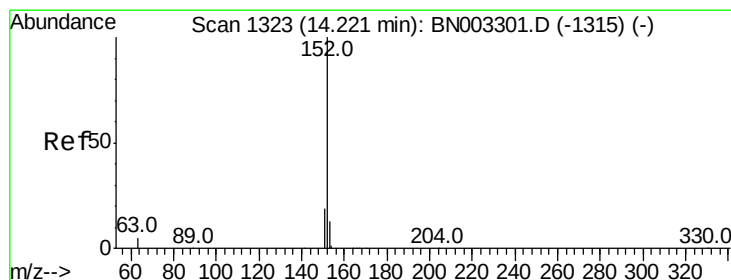
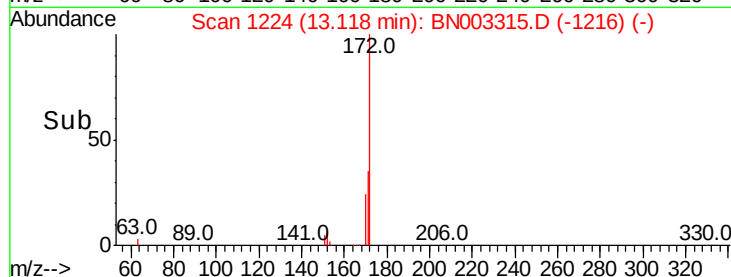
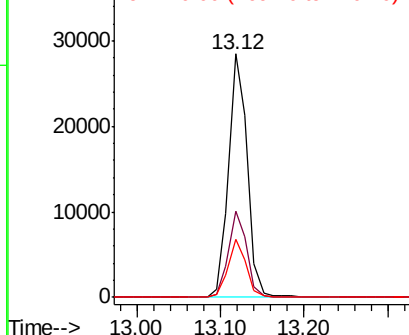
#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion:172 Resp: 43681
Ion Ratio Lower Upper
172 100
171 35.4 27.1 40.7
170 23.7 17.4 26.0

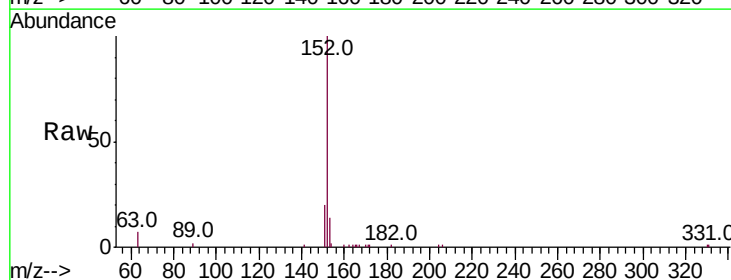


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

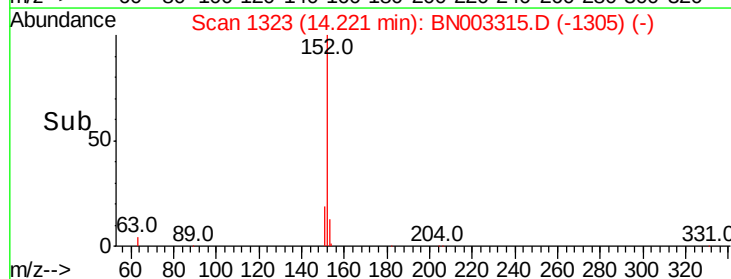
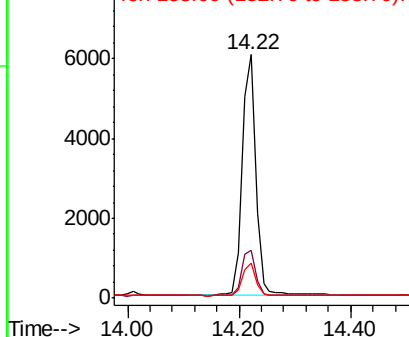


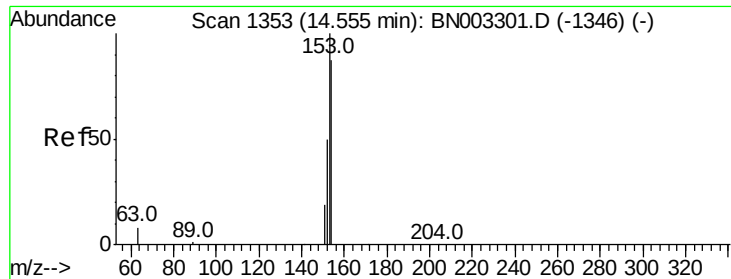
#16
Acenaphthylene
Concen: 0.076 ng
RT: 14.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:152 Resp: 10169
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.3 10.6 15.8



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





#17

Acenaphthene

Concen: 0.086 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

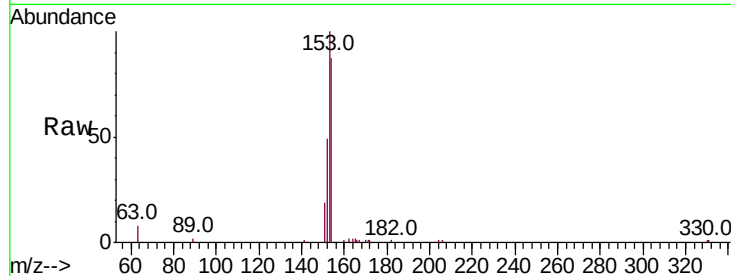
Tot Ion:154 Resp: 7993

Ion Ratio Lower Upper

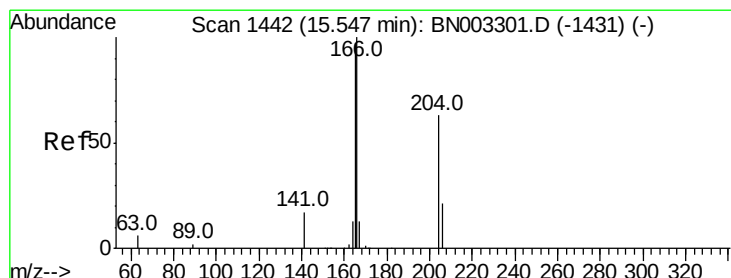
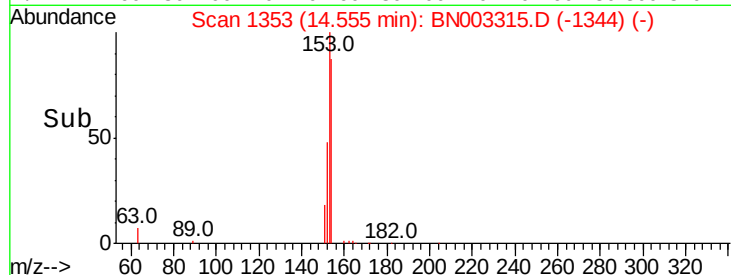
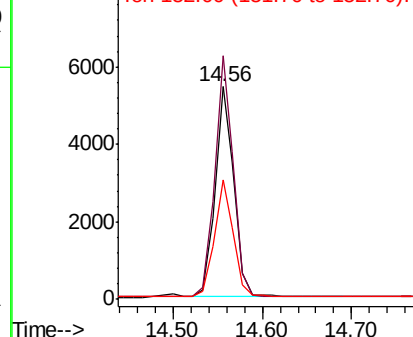
154 100

153 112.4 88.9 133.3

152 55.5 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.085 ng

RT: 15.55 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

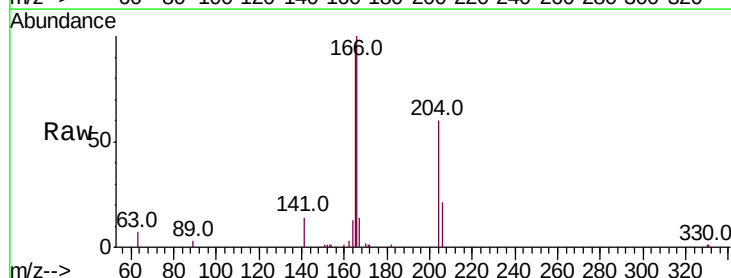
Tgt Ion:166 Resp: 9927

Ion Ratio Lower Upper

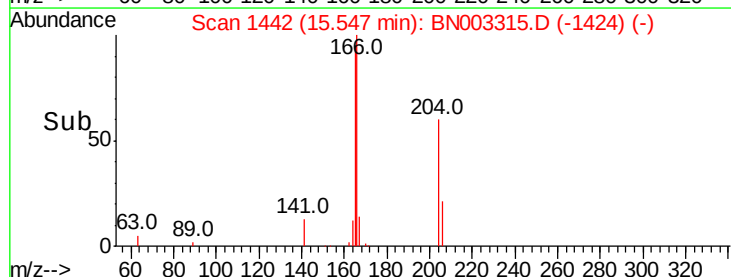
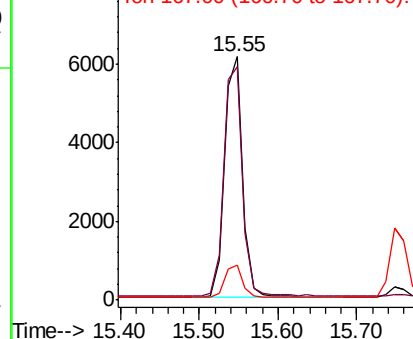
166 100

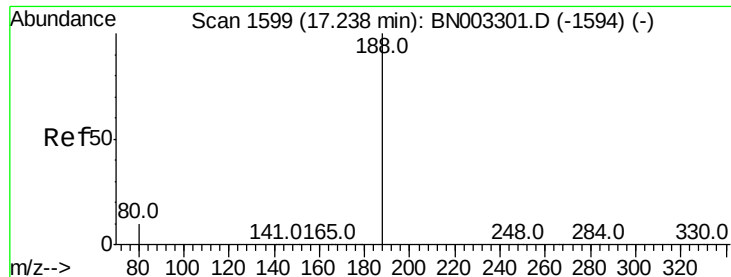
165 98.1 77.8 116.8

167 13.4 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

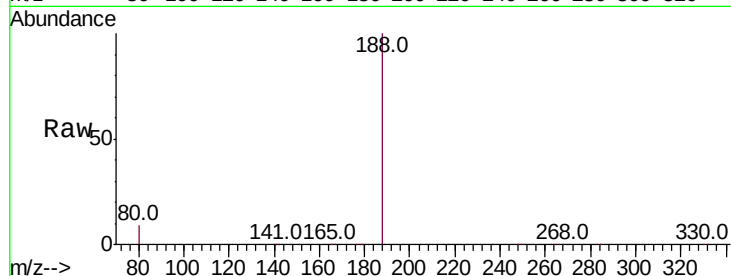
Tot Ion:188 Resp: 75369

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

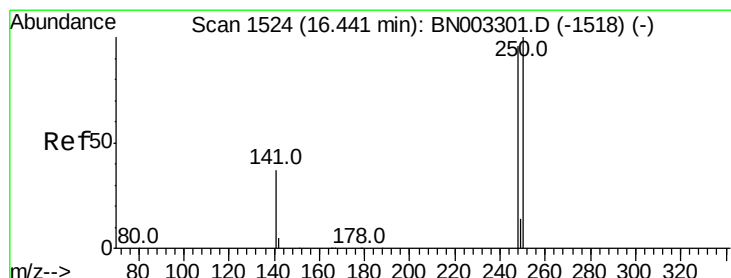
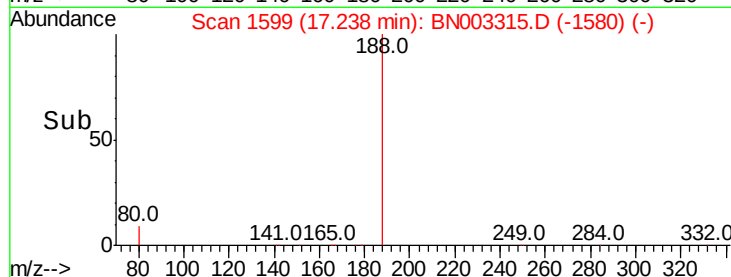
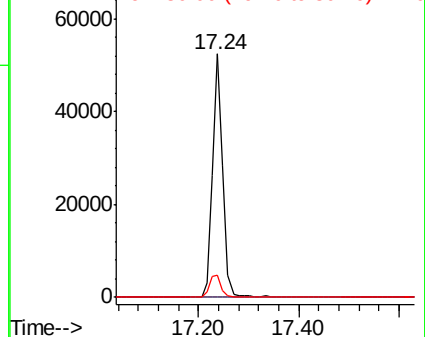
80 9.2 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.084 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

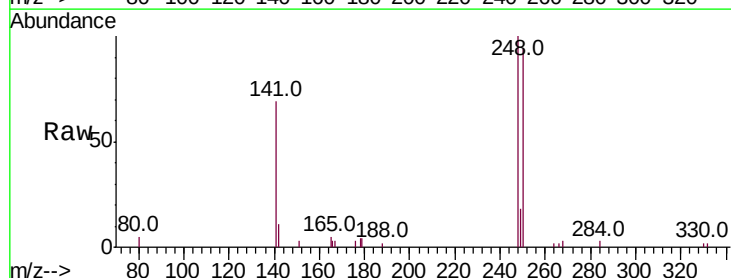
Tgt Ion:248 Resp: 3672

Ion Ratio Lower Upper

248 100

250 93.5 83.7 125.5

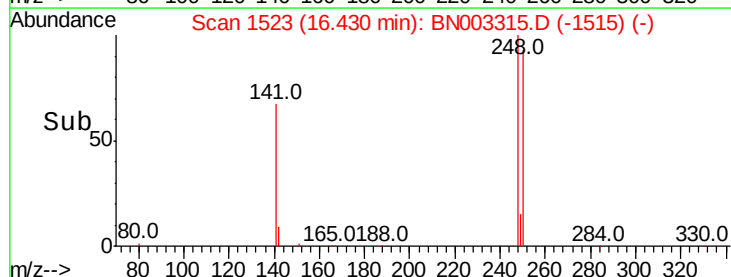
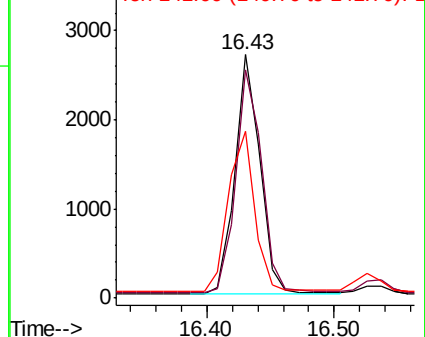
141 68.7 31.4 47.0#

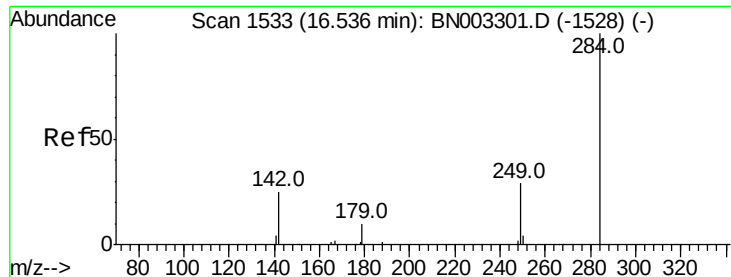


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.091 ng

RT: 16.54 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

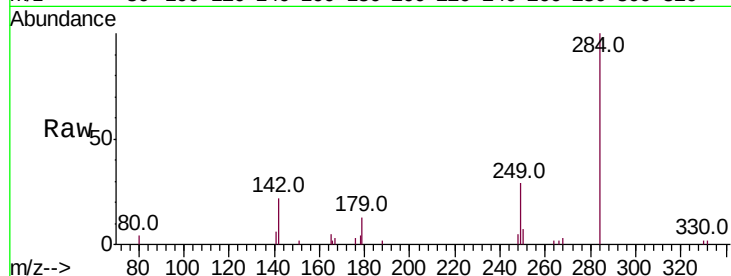
Tot Ion:284 Resp: 4205

Ion Ratio Lower Upper

284 100

142 36.4 29.7 44.5

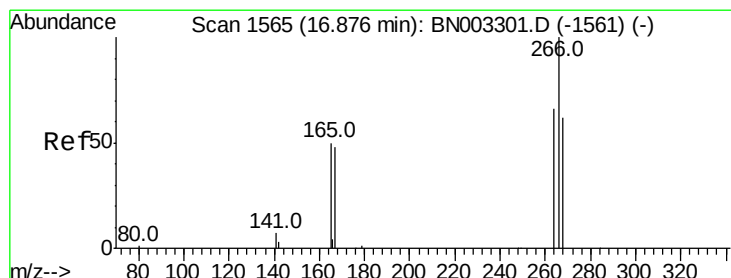
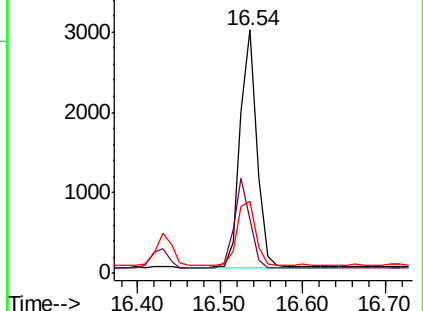
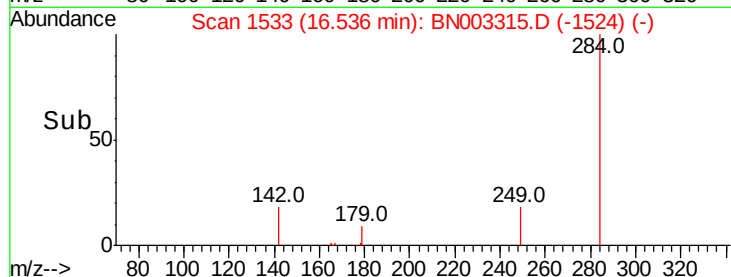
249 30.2 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.070 ng

RT: 16.88 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

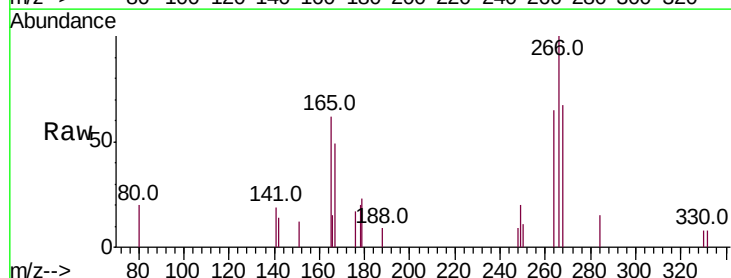
Tgt Ion:266 Resp: 869

Ion Ratio Lower Upper

266 100

264 65.4 52.1 78.1

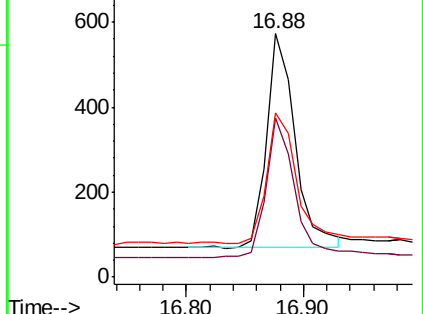
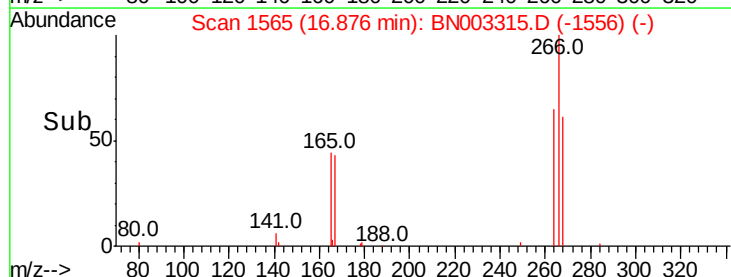
268 67.4 51.8 77.6

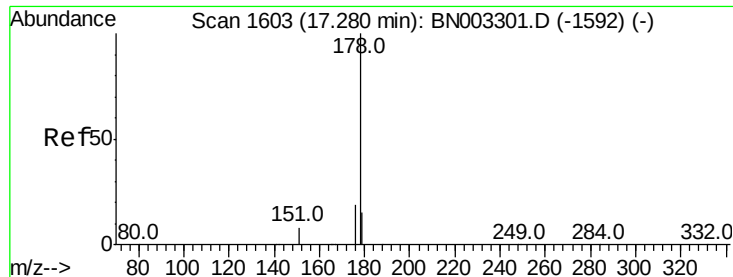


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.087 ng

RT: 17.28 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

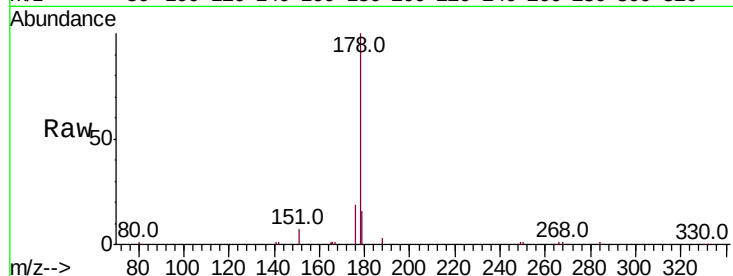
Tot Ion:178 Resp: 17980

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

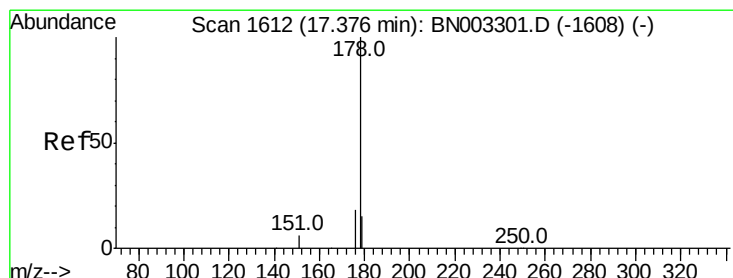
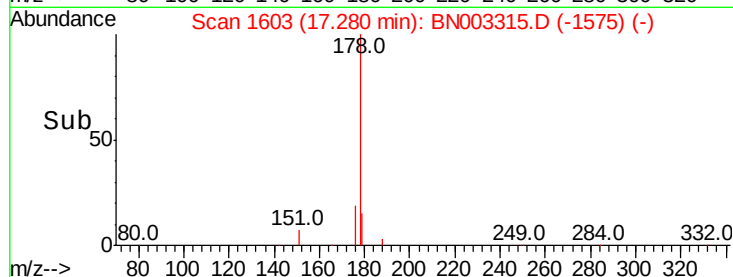
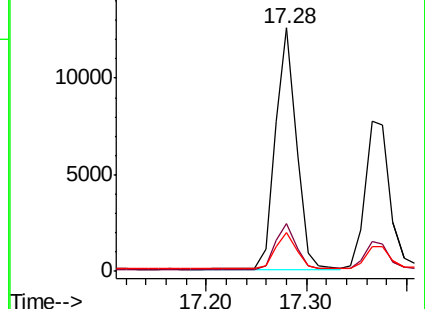
179 15.7 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.075 ng

RT: 17.37 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

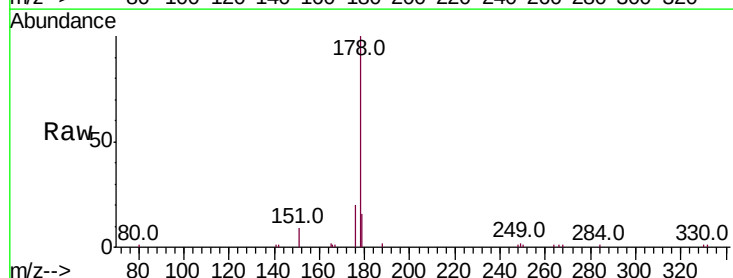
Tgt Ion:178 Resp: 13223

Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

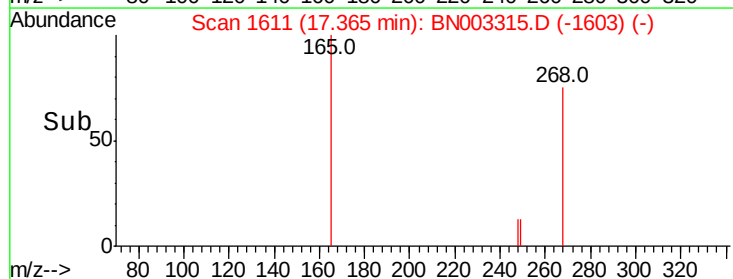
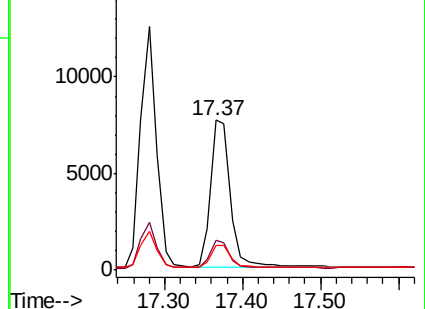
179 15.4 12.2 18.4

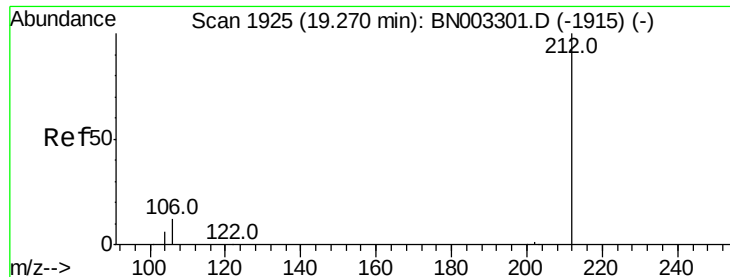


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.284 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

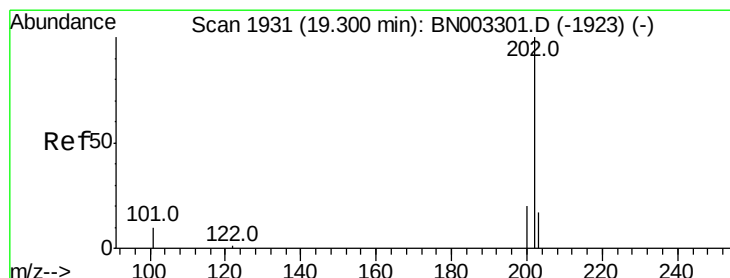
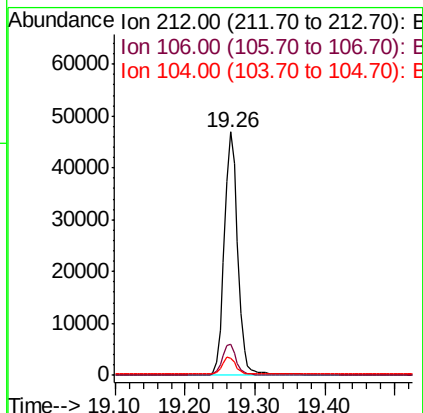
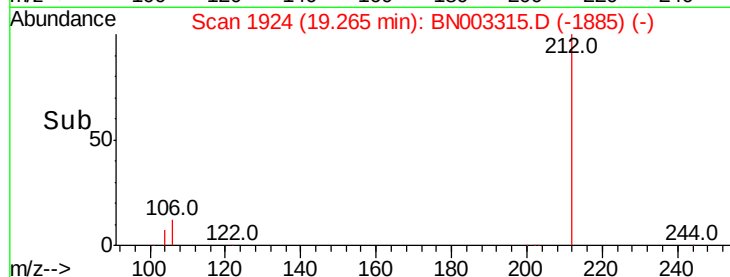
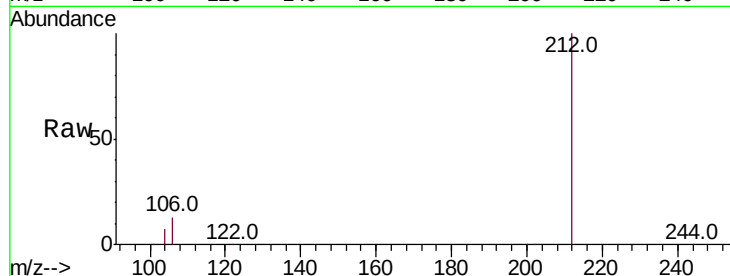
Tot Ion:212 Resp: 62161

Ion Ratio Lower Upper

212 100

106 12.8 10.3 15.5

104 7.1 5.6 8.4



#26

Fluoranthene

Concen: 0.083 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

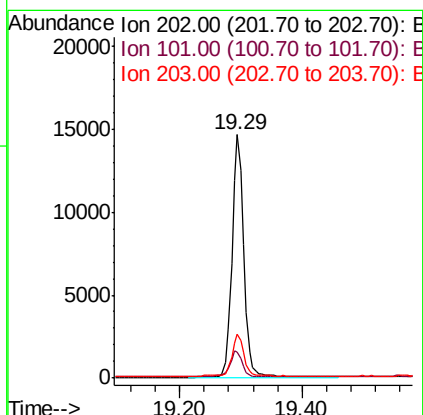
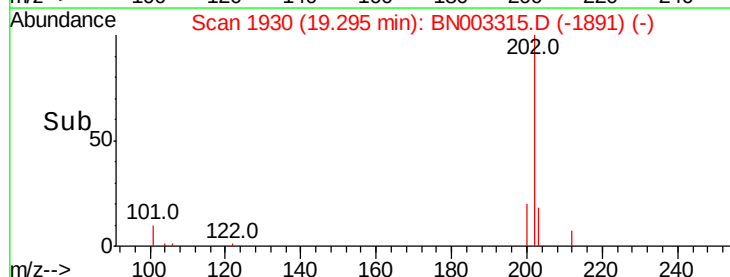
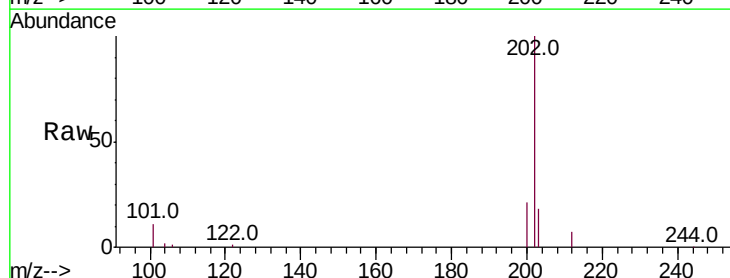
Tgt Ion:202 Resp: 19729

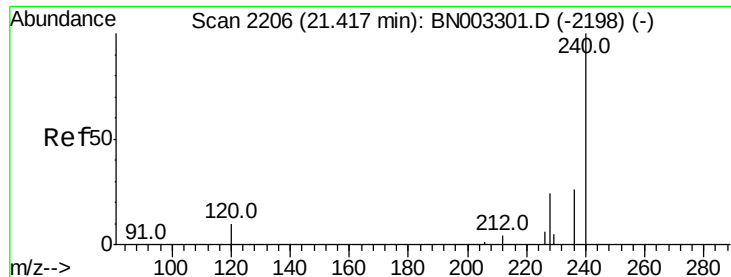
Ion Ratio Lower Upper

202 100

101 11.5 9.0 13.4

203 16.8 13.8 20.6

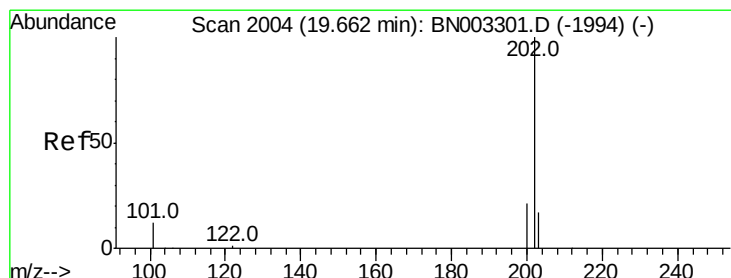
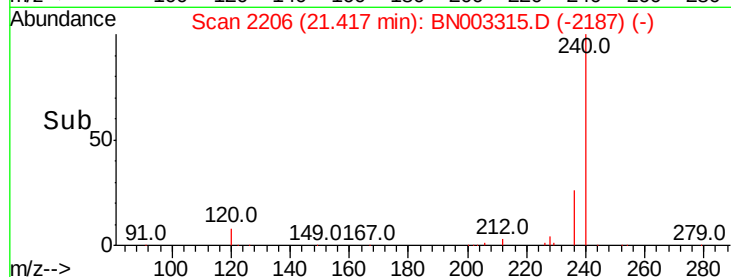
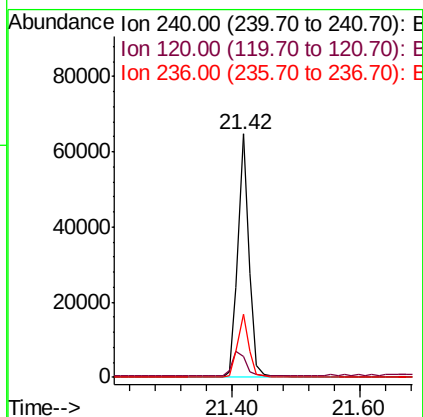
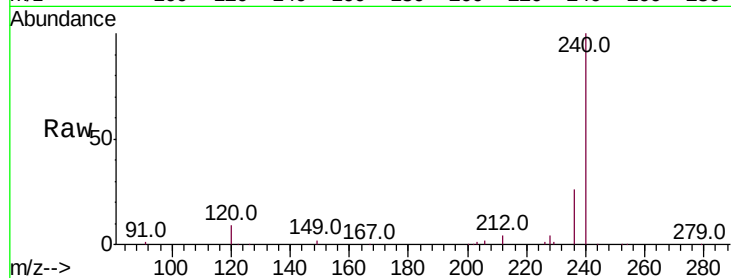




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

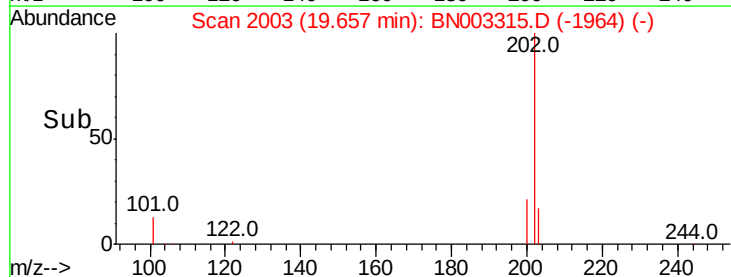
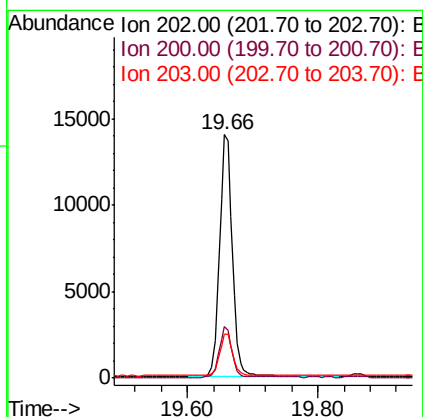
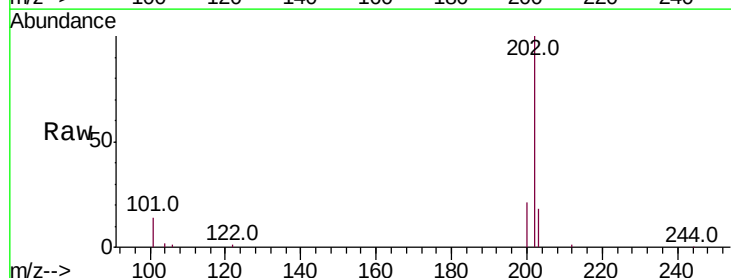
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

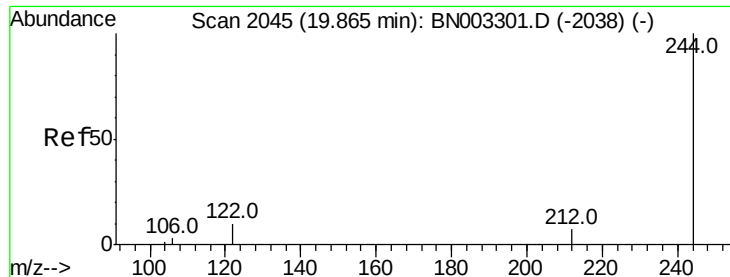
Tot Ion:240 Resp: 79106
Ion Ratio Lower Upper
240 100
120 8.8 9.3 13.9#
236 26.0 21.0 31.4



#28
Pyrene
Concen: 0.089 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:202 Resp: 19430
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.6 13.9 20.9





#29

Terphenyl-d14

Concen: 0.317 ng

RT: 19.86 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

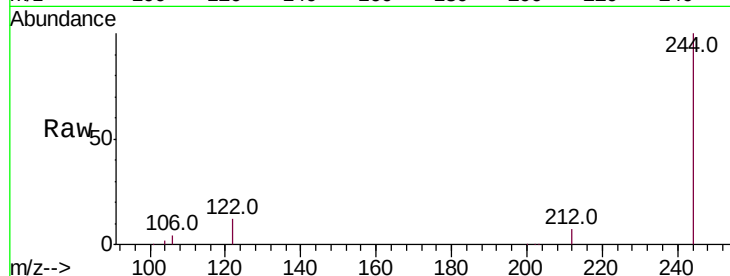
Tot Ion:244 Resp: 58304

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

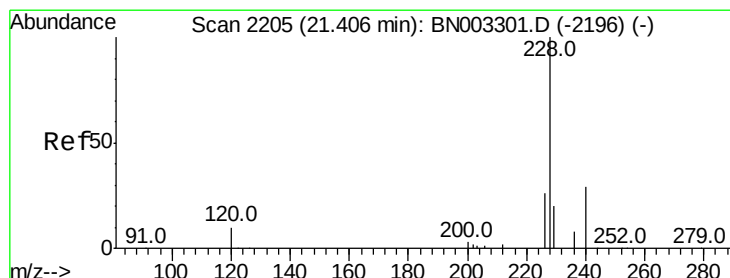
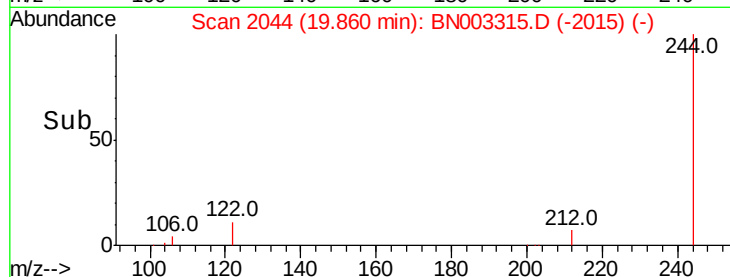
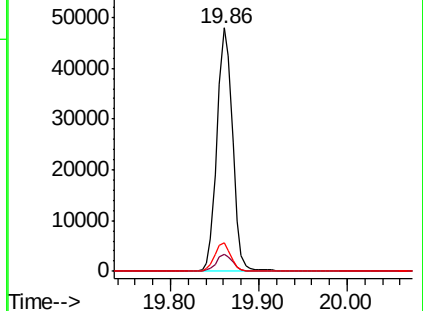
122 11.5 8.5 12.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.079 ng

RT: 21.40 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

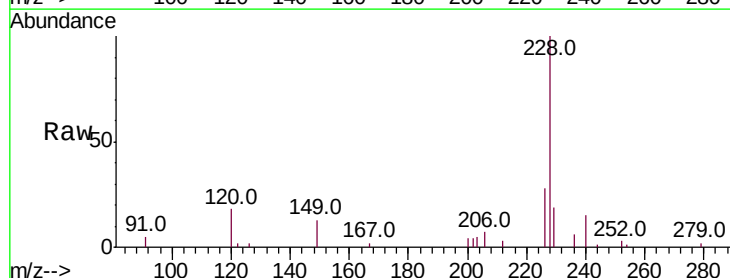
Tgt Ion:228 Resp: 16374

Ion Ratio Lower Upper

228 100

226 28.0 20.8 31.2

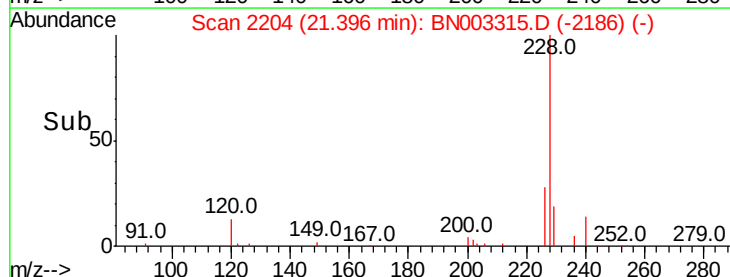
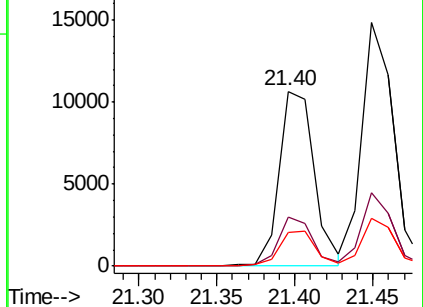
229 19.1 16.1 24.1

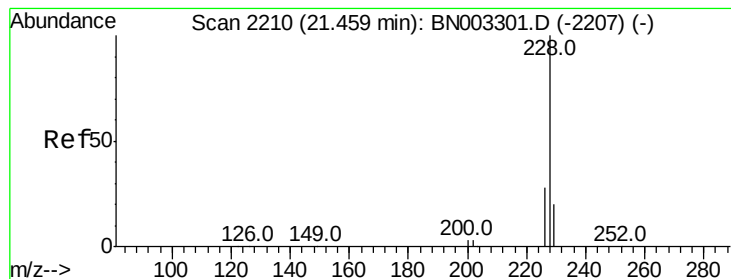


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.092 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

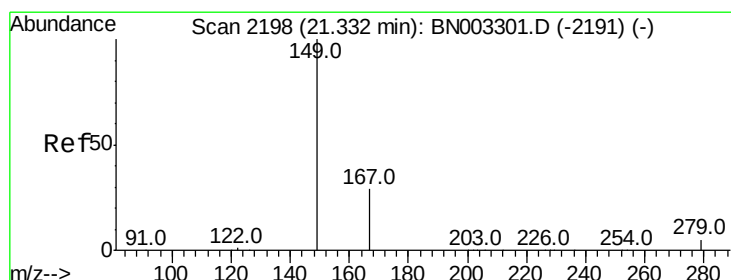
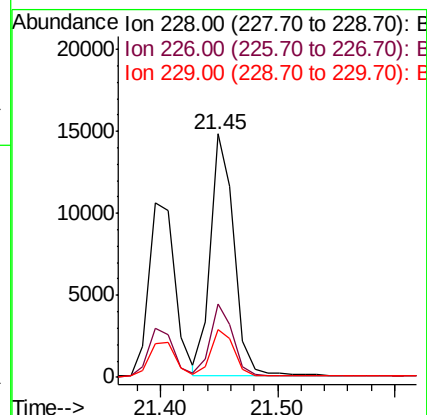
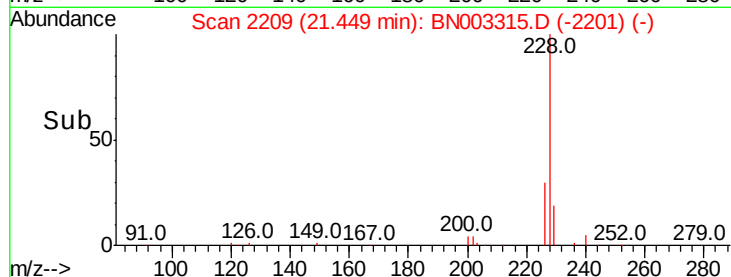
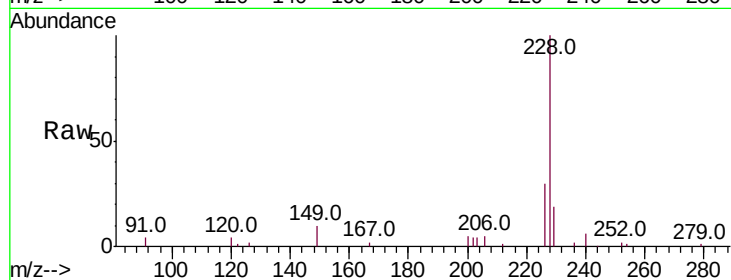
BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:228 Resp: 20613

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.7	34.1
229	19.4	16.0	24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.082 ng

RT: 21.32 min Scan# 2197

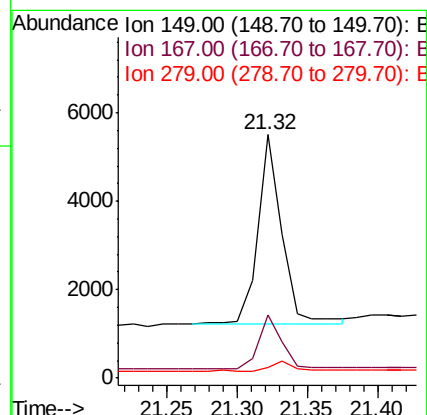
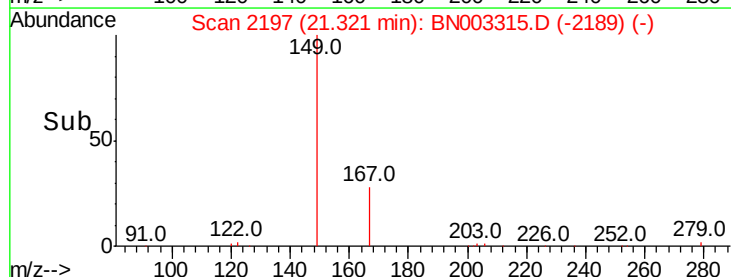
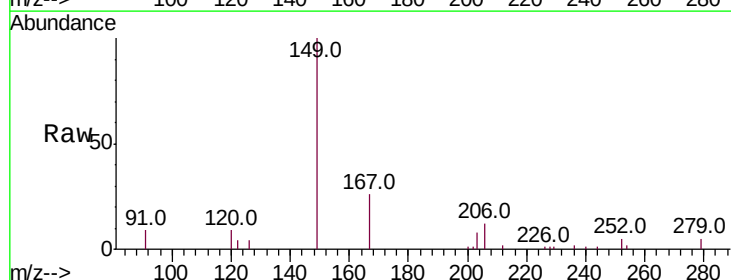
Delta R.T. -0.01 min

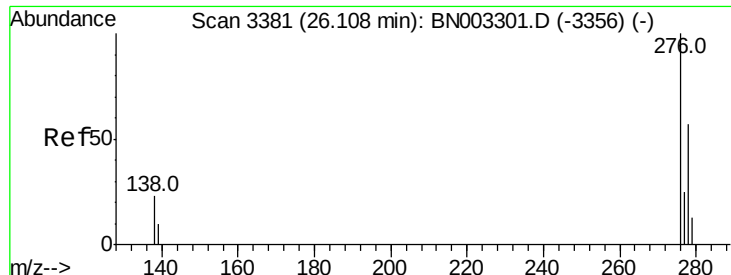
Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Tgt Ion:149 Resp: 5020

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.6	3.9	5.9





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.082 ng

RT: 26.10 min Scan# 3379

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

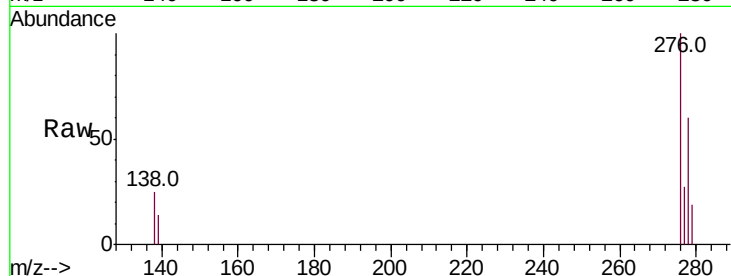
Tot Ion:276 Resp: 18876

Ion Ratio Lower Upper

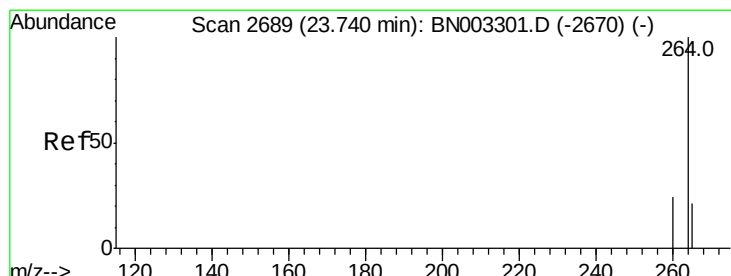
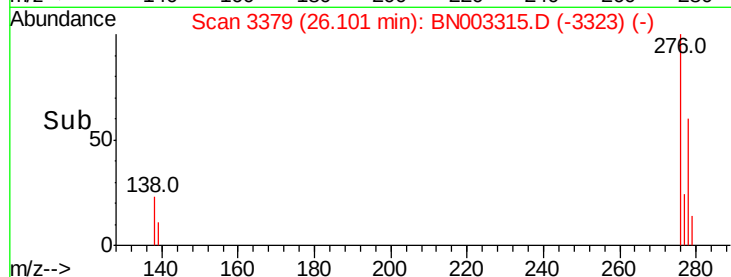
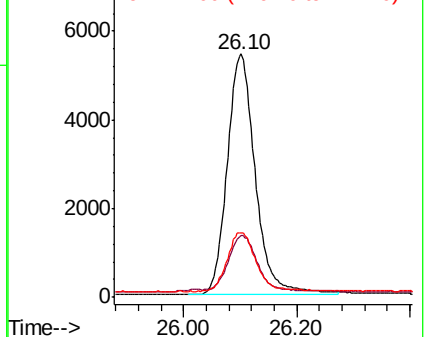
276 100

138 23.6 20.6 30.8

277 24.9 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

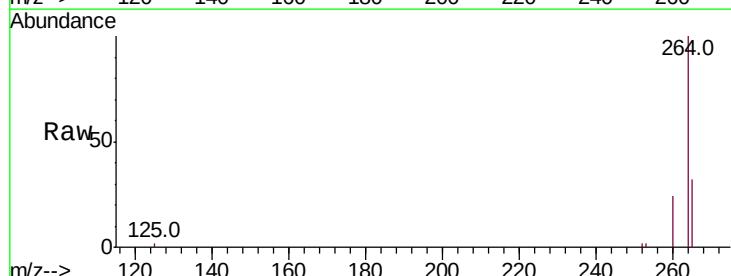
Tgt Ion:264 Resp: 72507

Ion Ratio Lower Upper

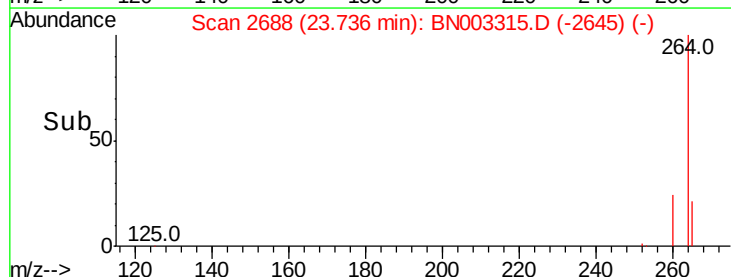
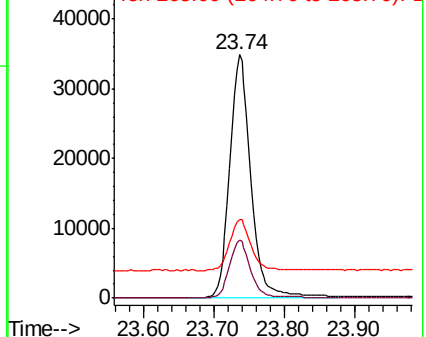
264 100

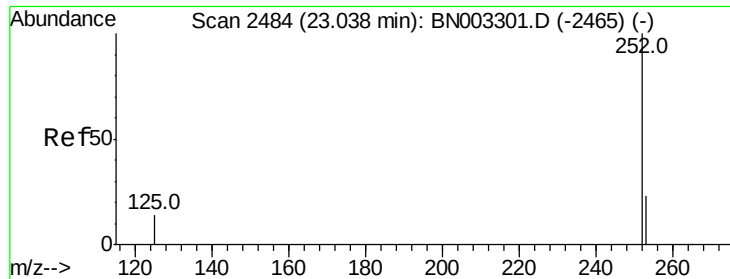
260 24.0 19.1 28.7

265 32.4 26.4 39.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.088 ng

RT: 23.03 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

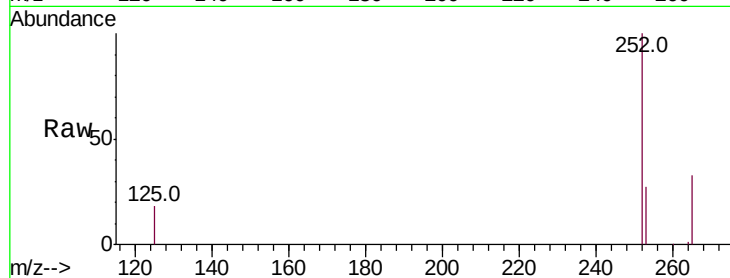
Tot Ion:252 Resp: 19974

Ion Ratio Lower Upper

252 100

253 27.0 19.3 28.9

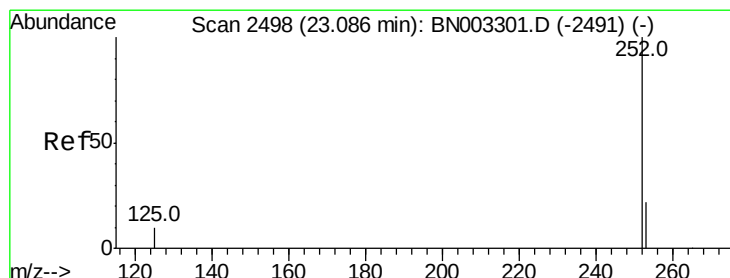
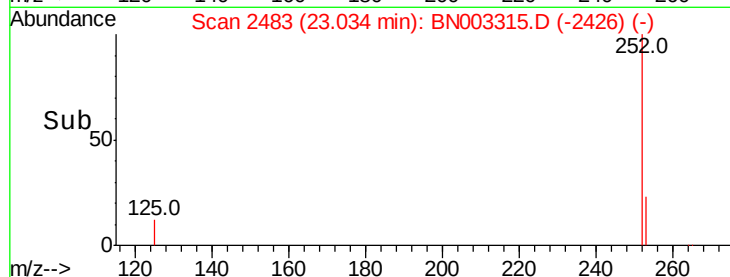
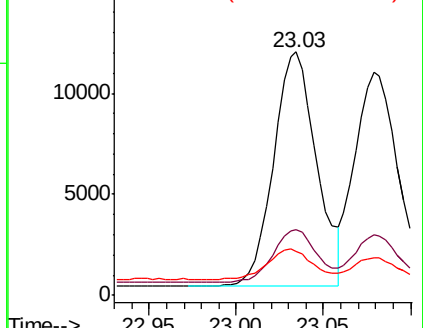
125 18.1 12.7 19.1



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



#36

Benzo(k)fluoranthene

Concen: 0.083 ng

RT: 23.08 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

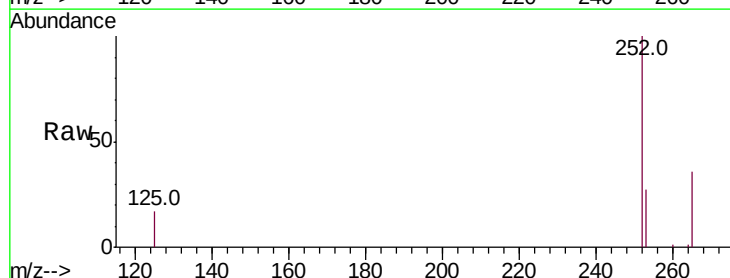
Tgt Ion:252 Resp: 18533

Ion Ratio Lower Upper

252 100

253 27.1 18.5 27.7

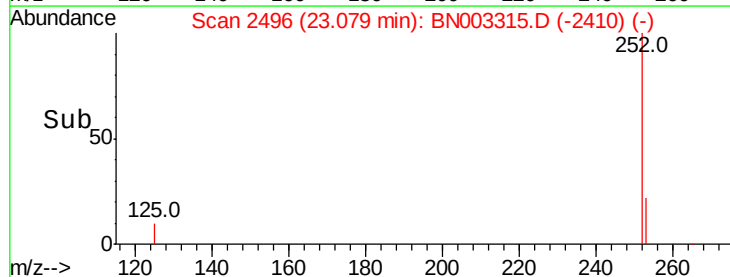
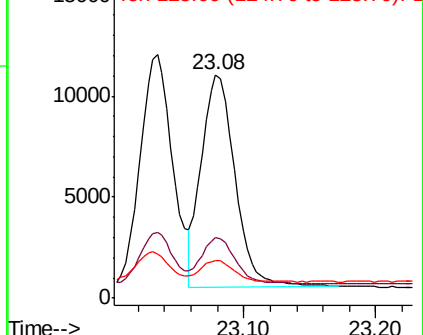
125 16.6 9.1 13.7#

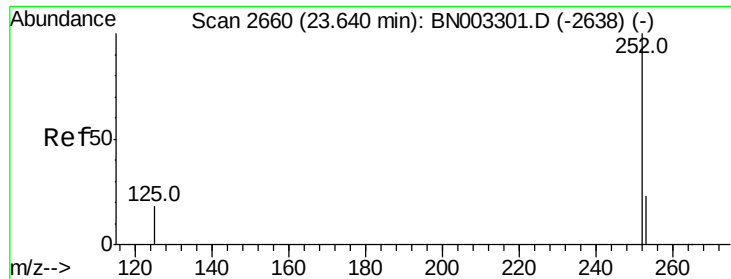


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.080 ng

RT: 23.63 min Scan# 2658

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

Instrument:

BNA_N

ClientSampleId:

MDL-WATER-03-QT4-2018

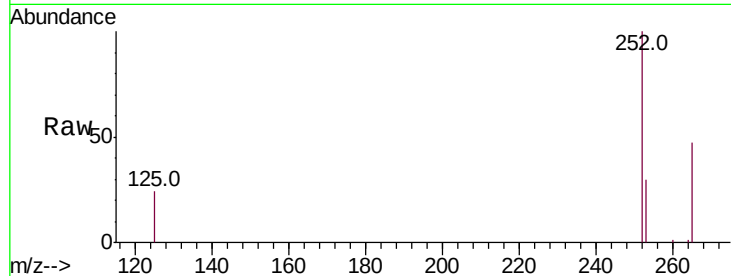
Tot Ion:252 Resp: 16558

Ion Ratio Lower Upper

252 100

253 29.6 20.1 30.1

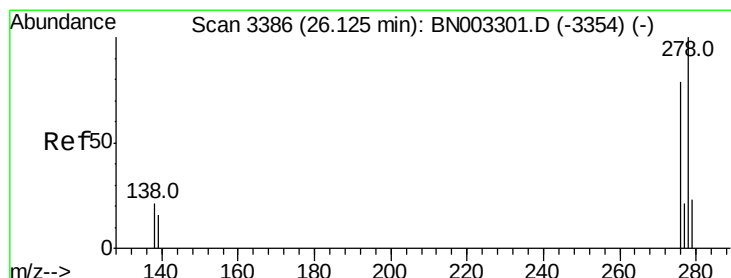
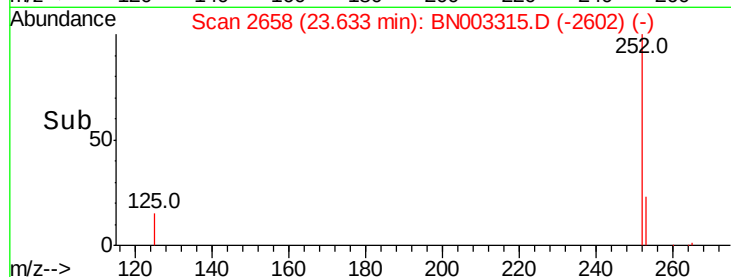
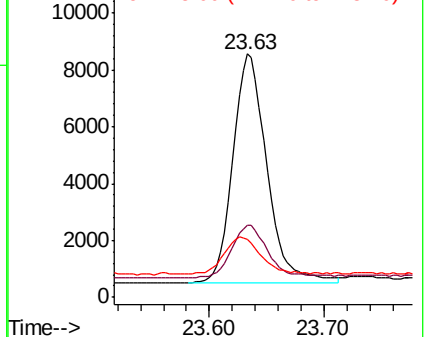
125 23.7 16.0 24.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.079 ng

RT: 26.12 min Scan# 3384

Delta R.T. -0.01 min

Lab File: BN003315.D

Acq: 26 Oct 2018 21:13

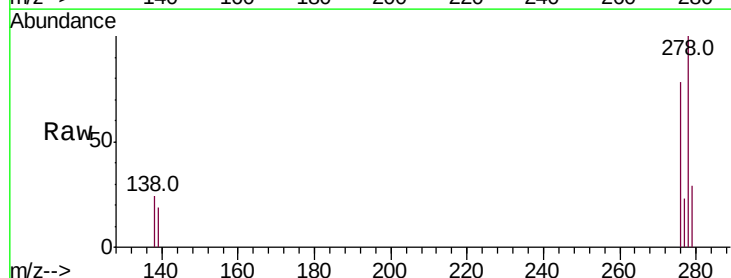
Tgt Ion:278 Resp: 15153

Ion Ratio Lower Upper

278 100

139 18.8 13.5 20.3

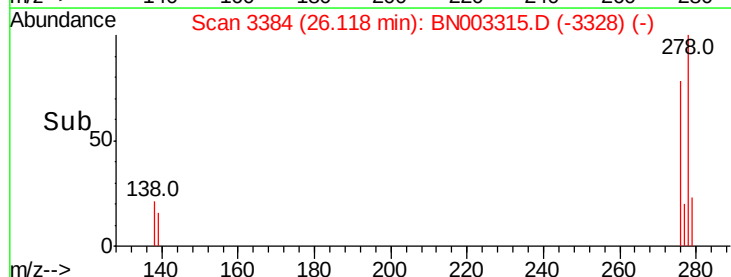
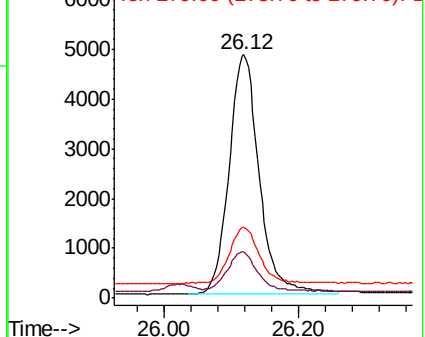
279 29.0 19.8 29.6

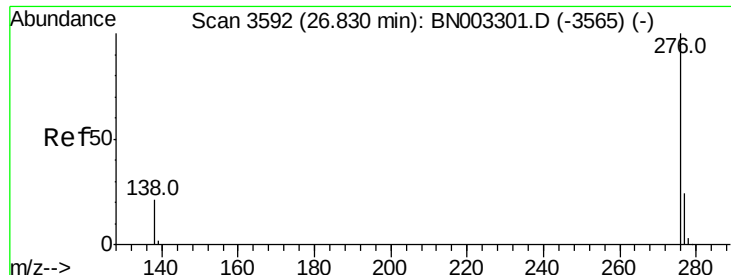


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.086 ng

RT: 26.82 min Scan# 3590

Delta R.T. -0.01 min

Lab File: BN003315.D

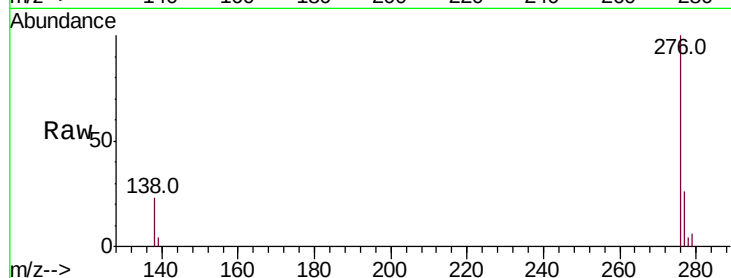
Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018



Tot Ion:276 Resp: 16549

Ion Ratio Lower Upper

276 100

277 26.2 19.5 29.3

138 22.8 17.4 26.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

