

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 27 00:44:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 26 15:17:57 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						
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

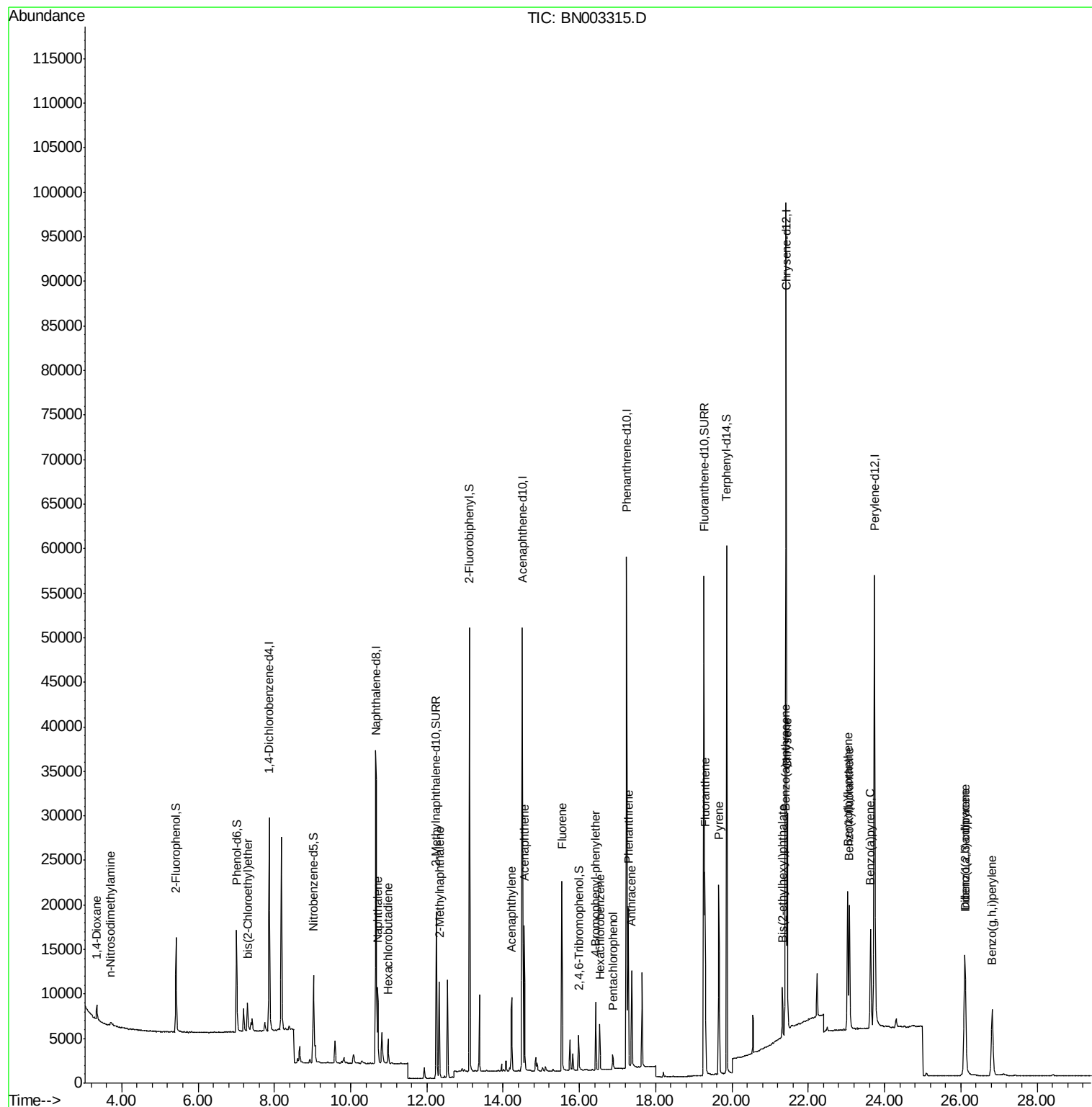
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1507	0.093	ng	93
3) n-Nitrosodimethylamine	3.71	42	412	0.056	ng	# 80
6) bis(2-Chloroethyl)ether	7.30	93	2923	0.084	ng	94
9) Naphthalene	10.71	128	11424	0.091	ng	98
10) Hexachlorobutadiene	10.99	225	2157	0.094	ng	# 100
12) 2-Methylnaphthalene	12.32	142	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	0.089	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

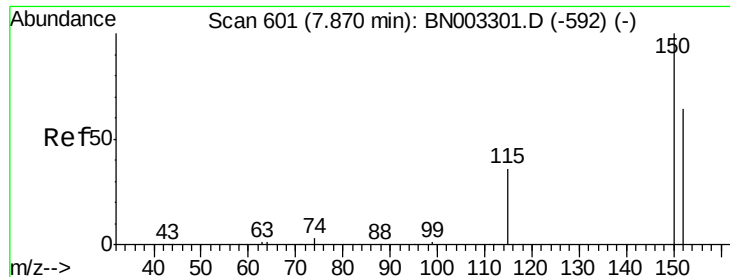
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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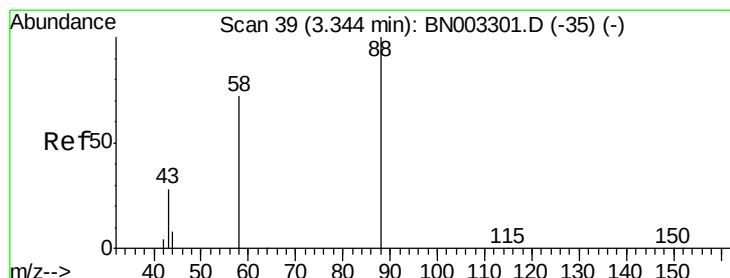
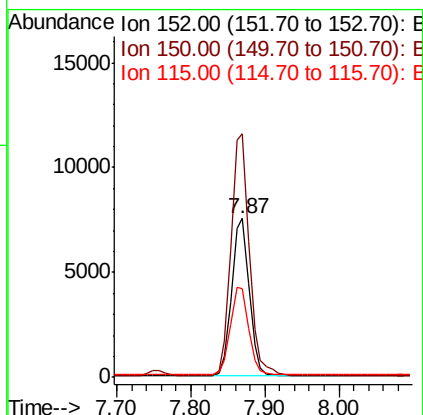
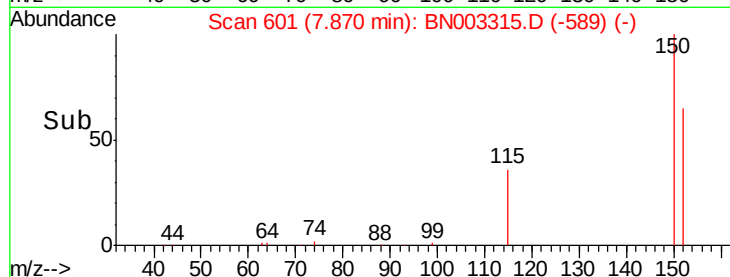
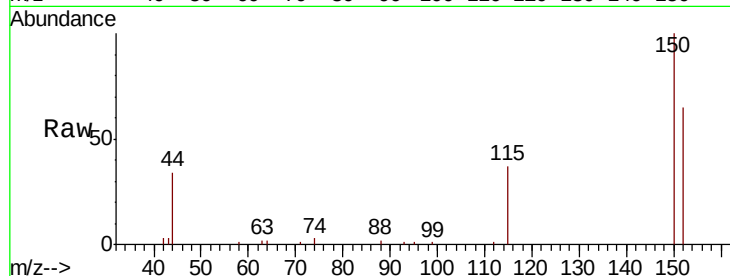


#1

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

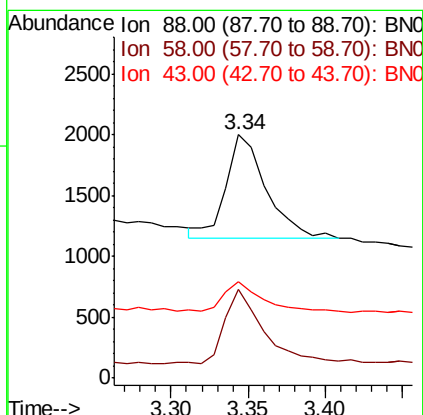
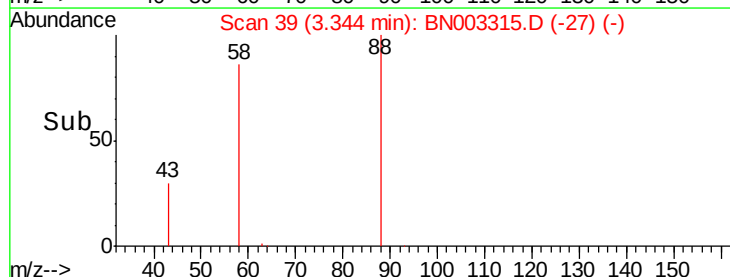
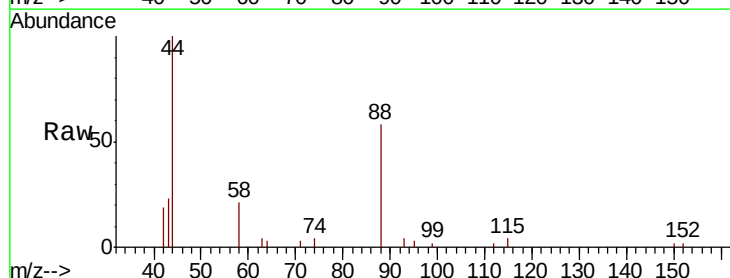
Tgt Ion: 152 Resp: 12455
Ion Ratio Lower Upper
152 100
150 153.4 124.6 187.0
115 56.1 46.4 69.6

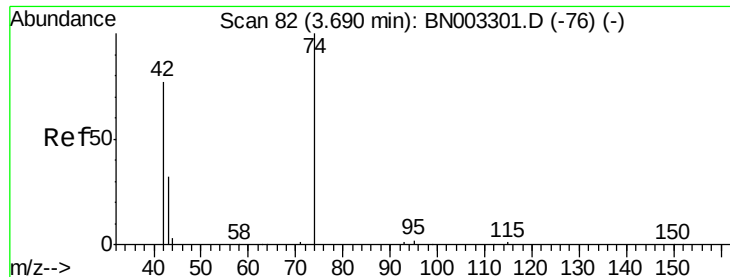


#2

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





#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

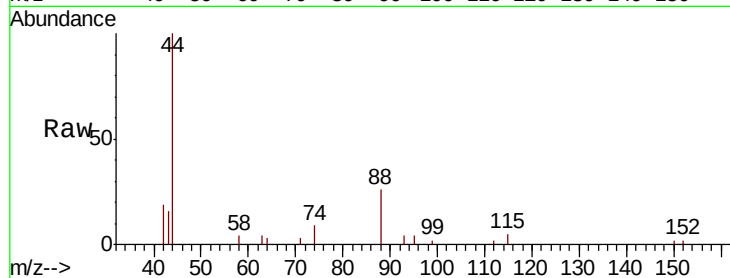
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

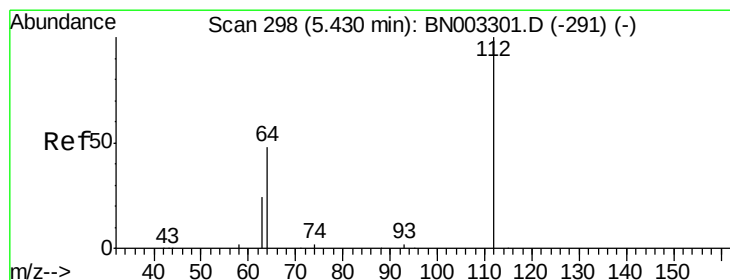
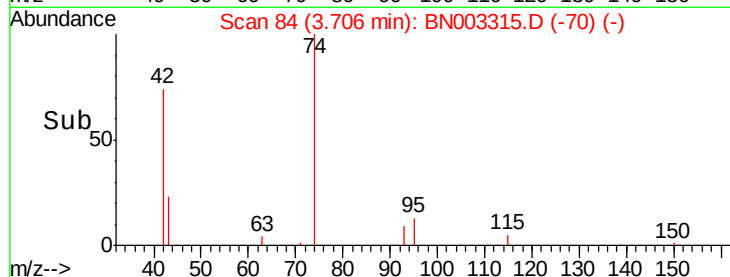
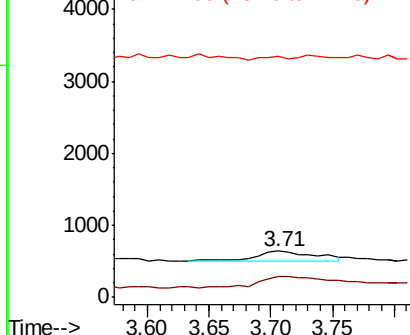
42 100

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

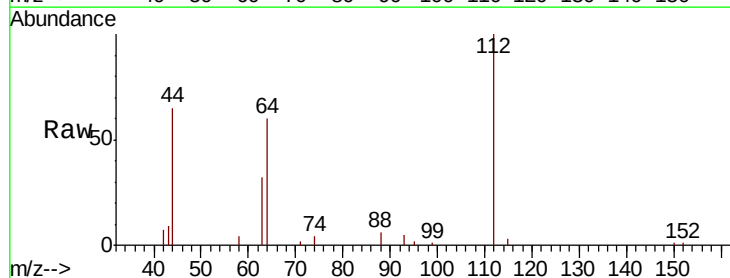
Tgt Ion: 112 Resp: 9432

Ion Ratio Lower Upper

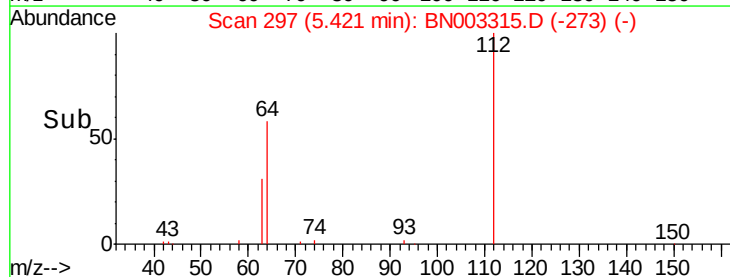
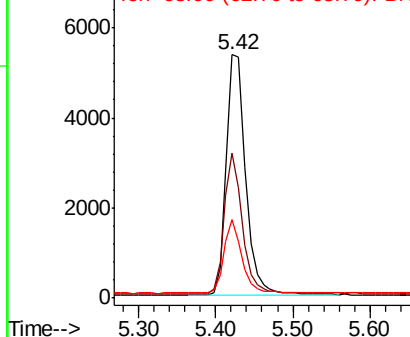
112 100

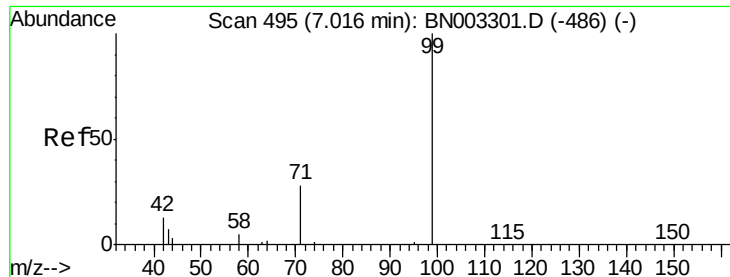
64 54.8 44.3 66.5

63 27.7 22.4 33.6



Abundance Ion 112.00 (111.70 to 112.70): BNC
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

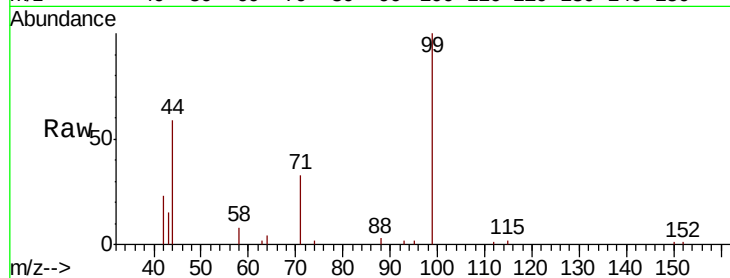
Tgt Ion: 99 Resp: 11735

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

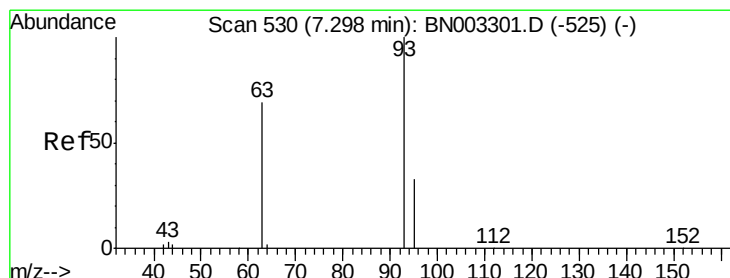
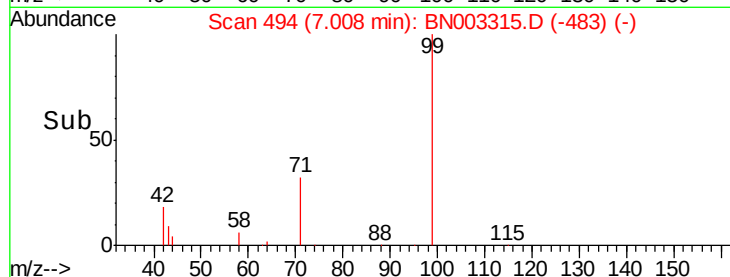
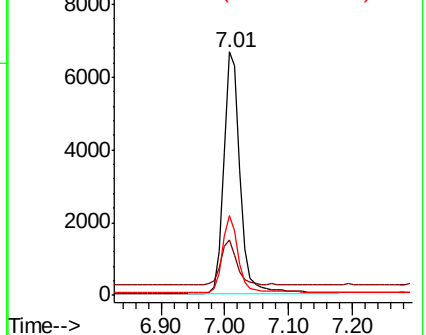
71 30.3 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BN003315.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN003315.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN003315.D (-486) (-)



#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

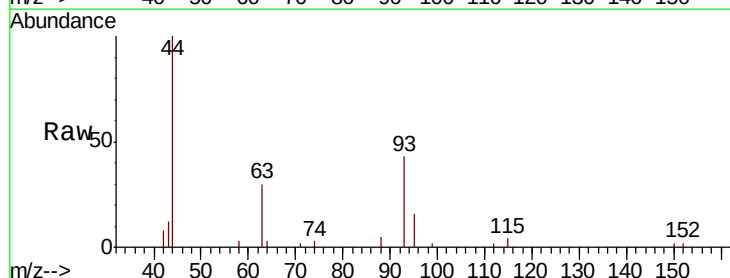
Tgt Ion: 93 Resp: 2923

Ion Ratio Lower Upper

93 100

63 75.6 55.8 83.6

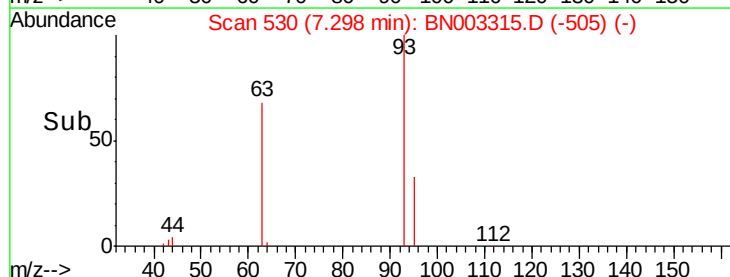
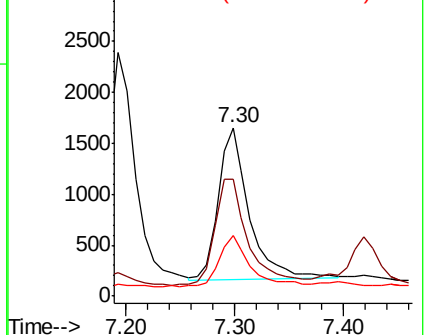
95 33.3 25.4 38.2

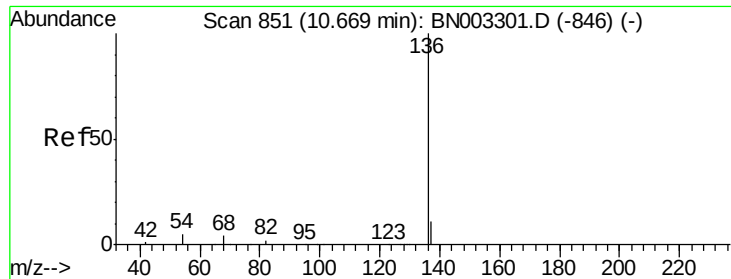


Abundance Ion 93.00 (92.70 to 93.70): BN003315.D (-525) (-)

Ion 63.00 (62.70 to 63.70): BN003315.D (-525) (-)

Ion 95.00 (94.70 to 95.70): BN003315.D (-525) (-)





#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

Tgt Ion:136 Resp: 51550

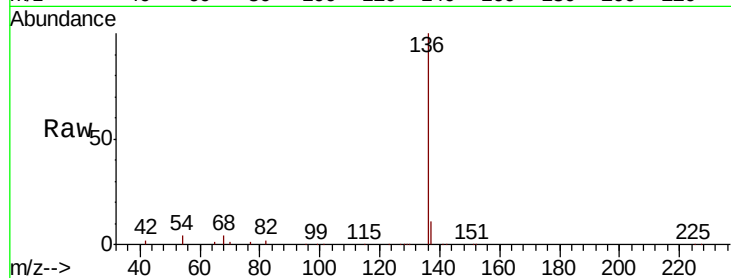
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 4.4 4.1 6.1

68 3.9 3.5 5.3

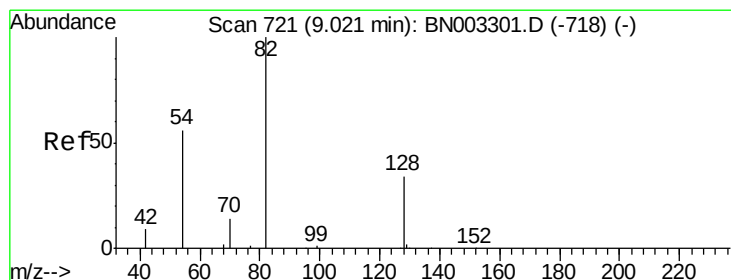
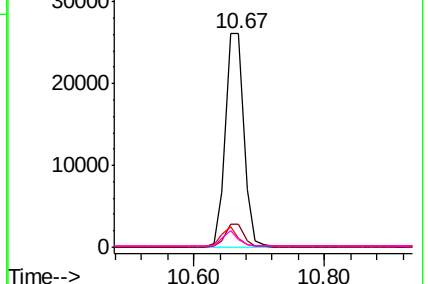
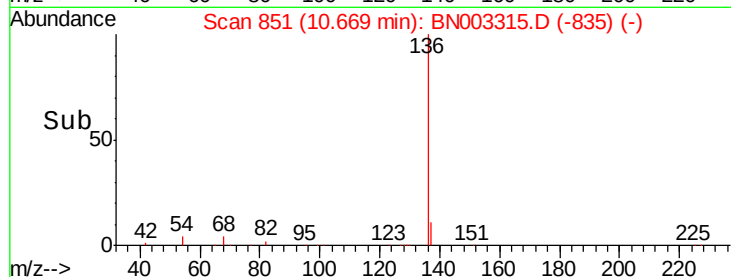


Abundance Ion 136.00 (135.70 to 136.70): E

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

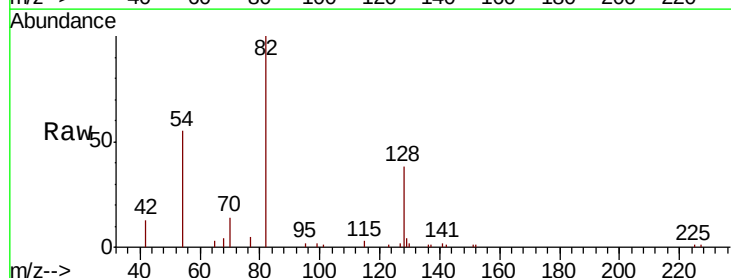
Tgt Ion: 82 Resp: 8196

Ion Ratio Lower Upper

82 100

128 37.9 28.9 43.3

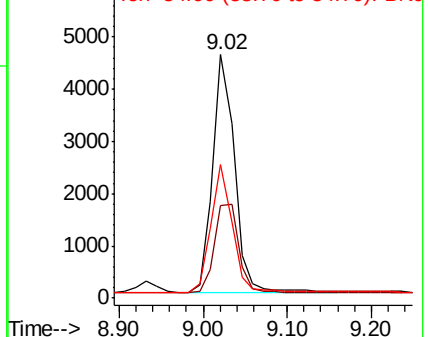
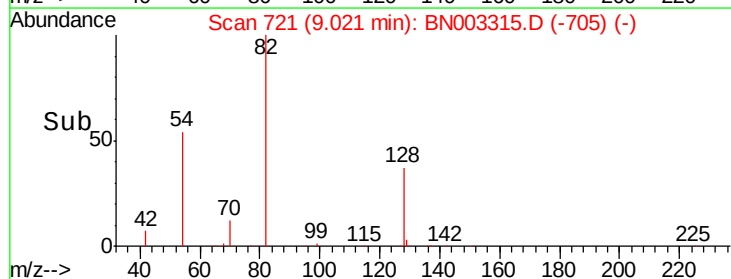
54 55.0 46.1 69.1

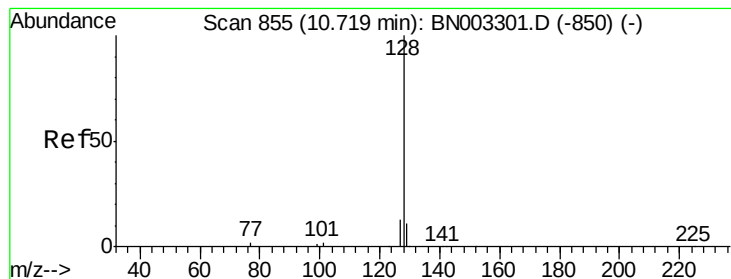


Abundance Ion 82.00 (81.70 to 82.70): BNC

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

Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

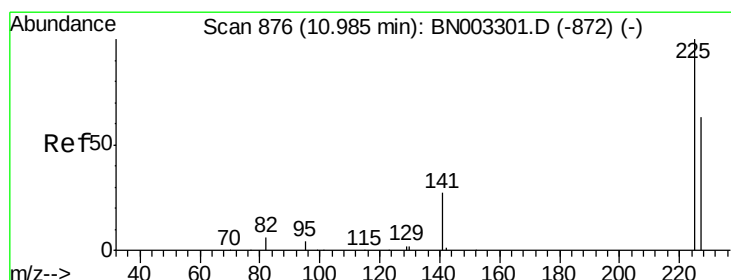
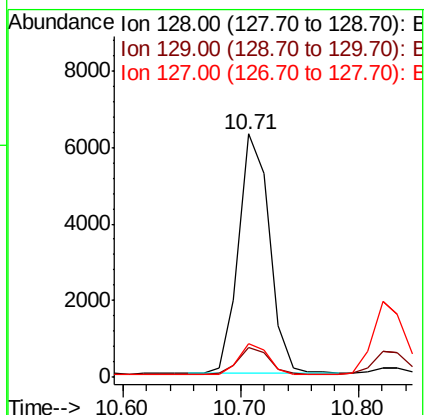
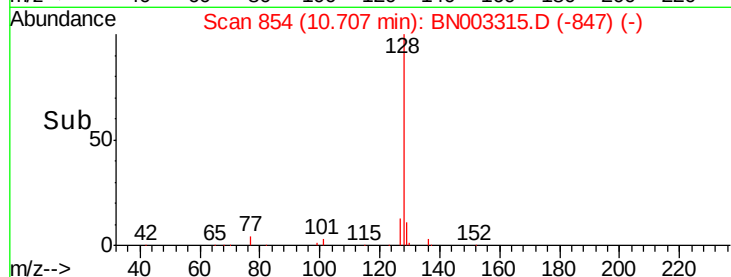
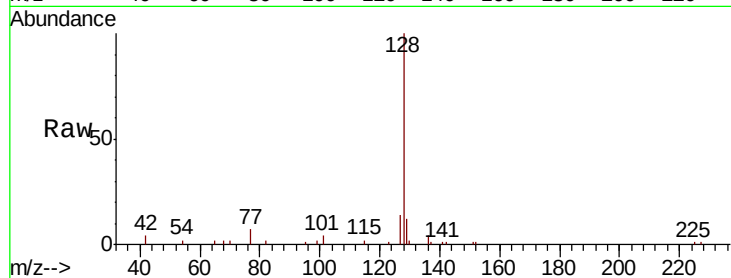
Tgt Ion:128 Resp: 11424

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

127 13.9 10.2 15.4



#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

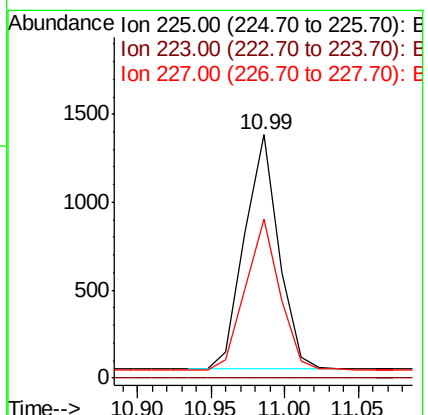
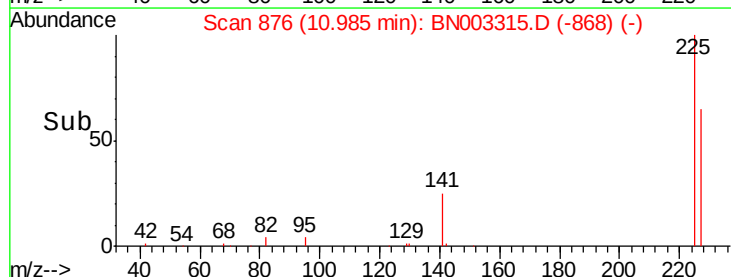
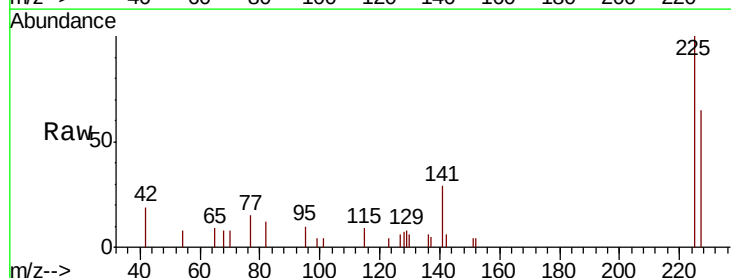
Tgt Ion:225 Resp: 2157

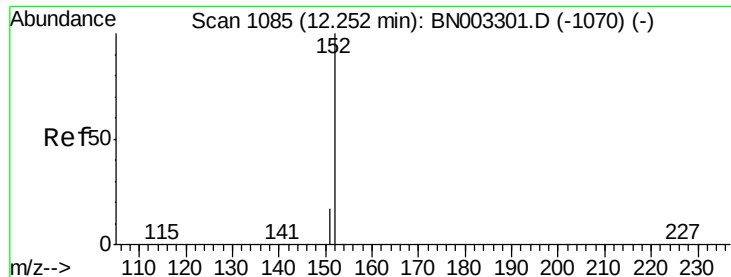
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.3 51.3 76.9

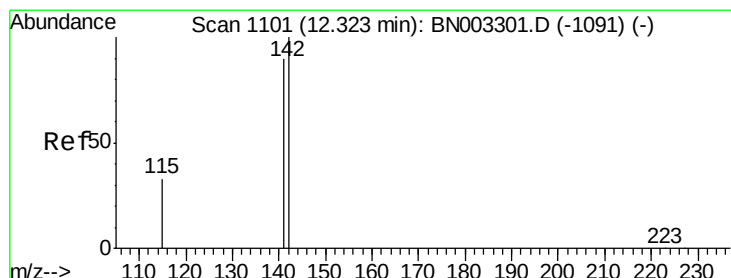
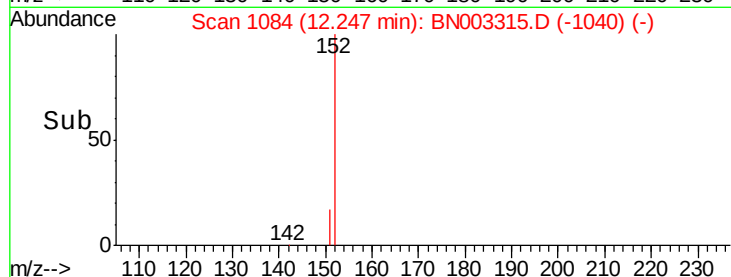
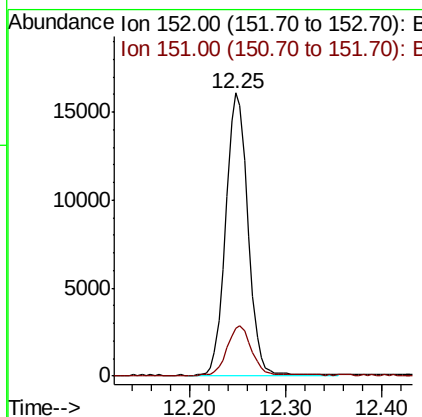
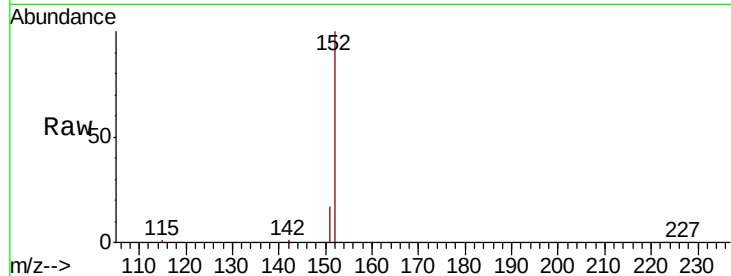




#11
 2-Methylnaphthalene-d10
 Concen: 0.306 ng
 RT: 12.25 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BN003315.D
 Acq: 26 Oct 2018 21:13

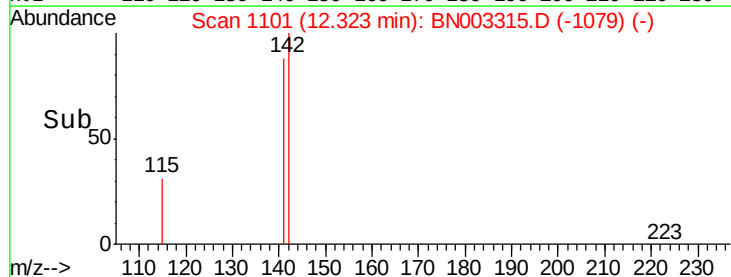
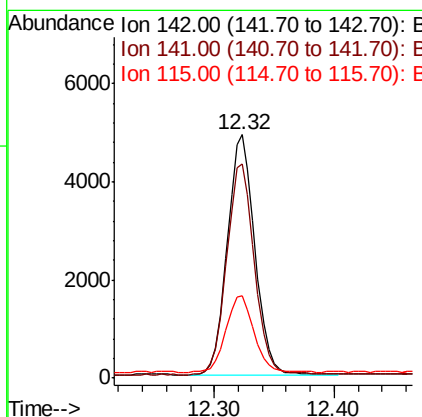
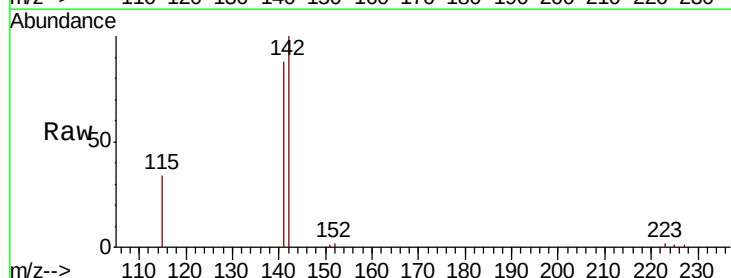
Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

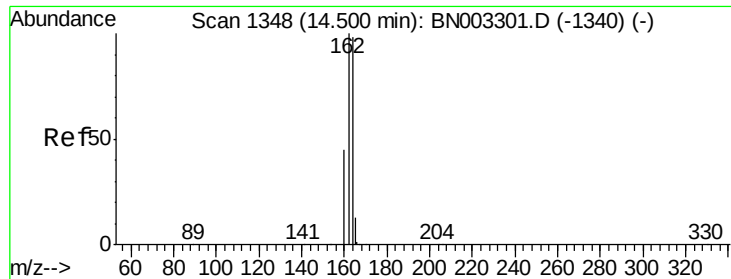
Tgt Ion:152 Resp: 25645
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.1 22.7



#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





#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

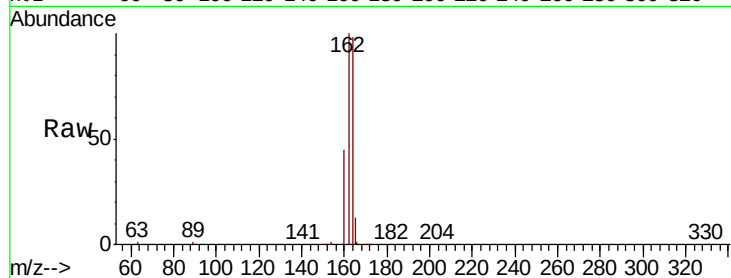
Tgt Ion:164 Resp: 30104

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

160 45.5 37.2 55.8

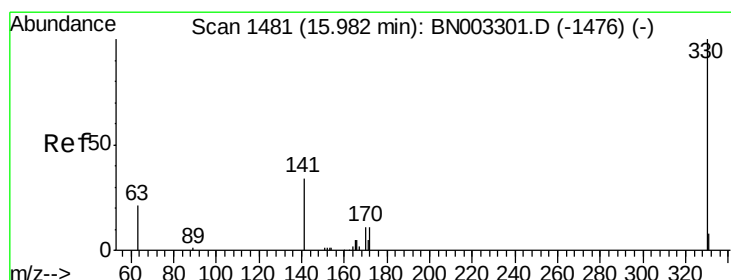
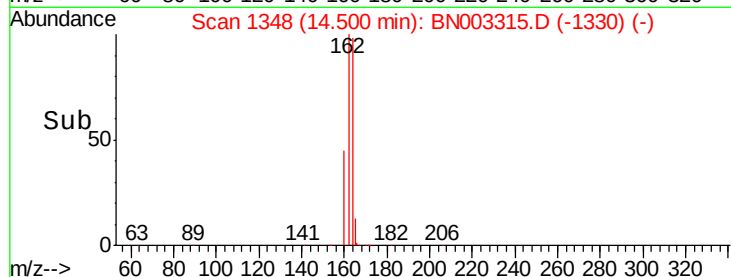
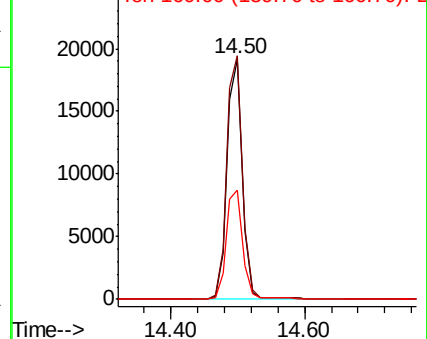


Abundance

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

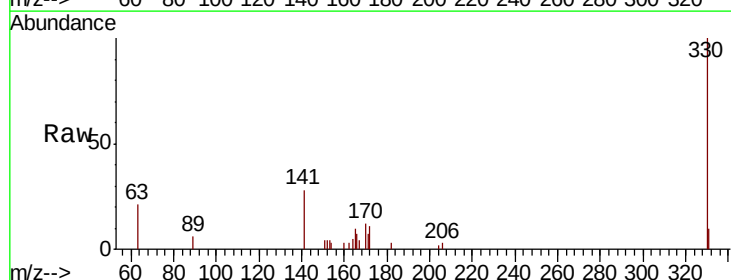
Tgt Ion:330 Resp: 3149

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 35.2 28.3 42.5

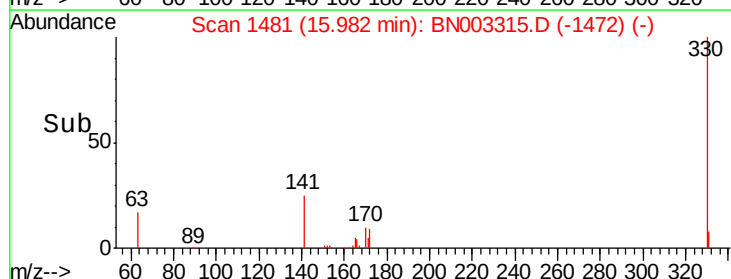
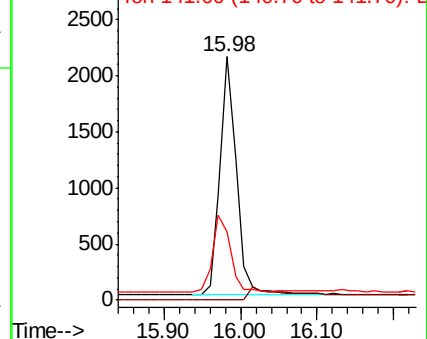


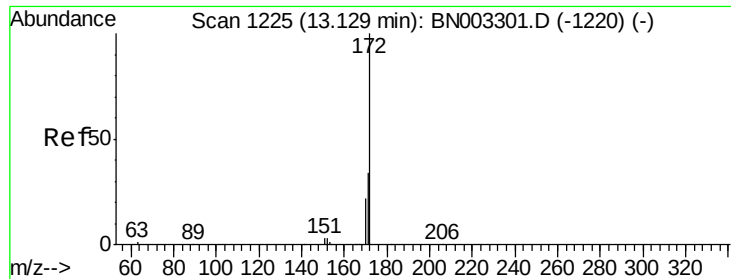
Abundance

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

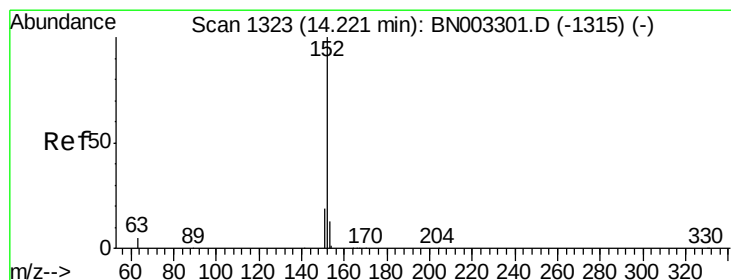
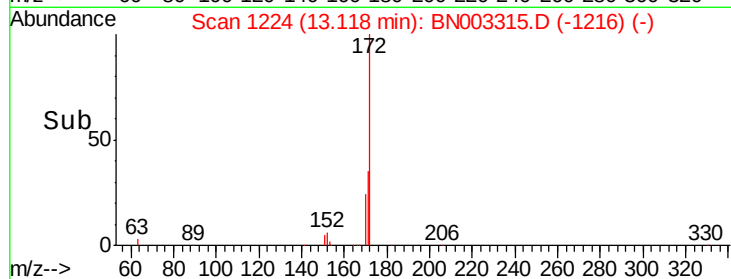
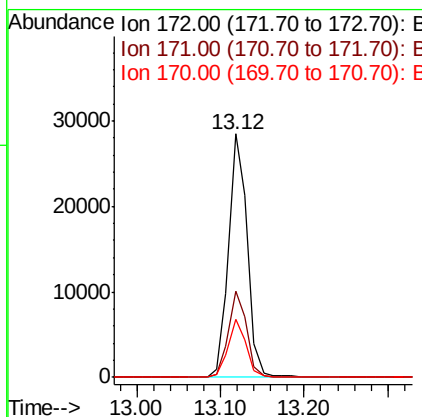
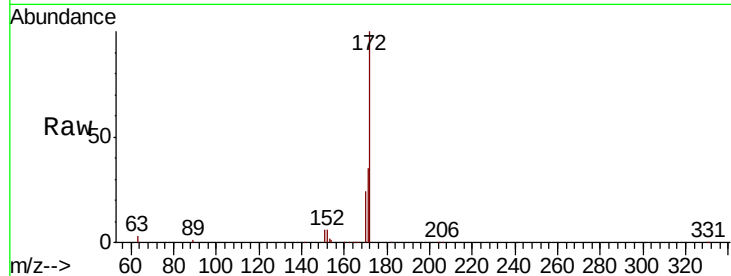




#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

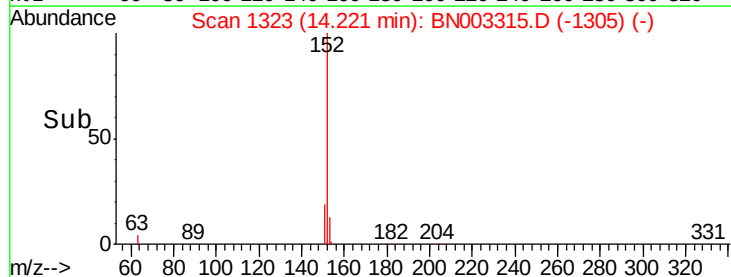
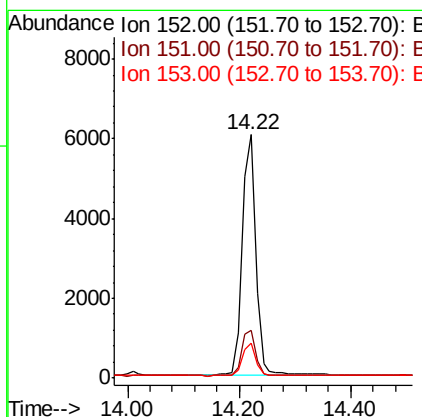
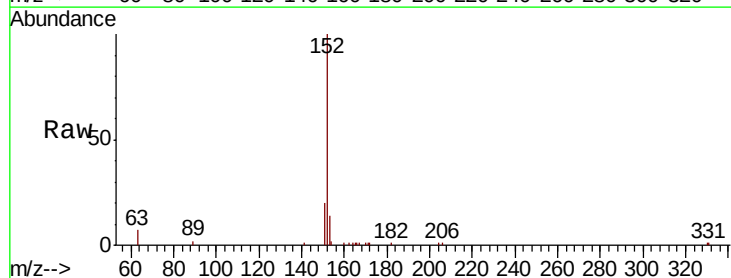
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

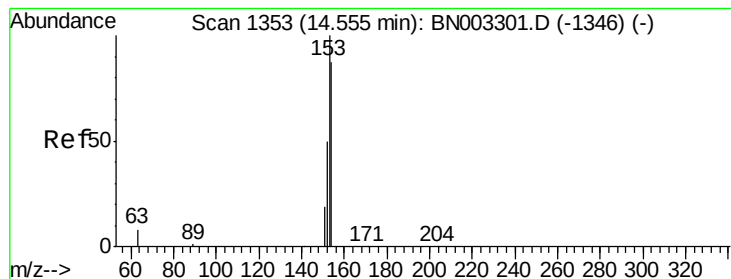
Tgt Ion:172 Resp: 43681
Ion Ratio Lower Upper
172 100
171 35.4 27.1 40.7
170 23.7 17.4 26.0



#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





#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

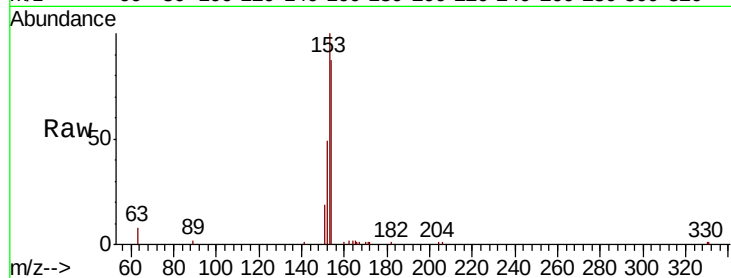
Tgt Ion:154 Resp: 7993

Ion Ratio Lower Upper

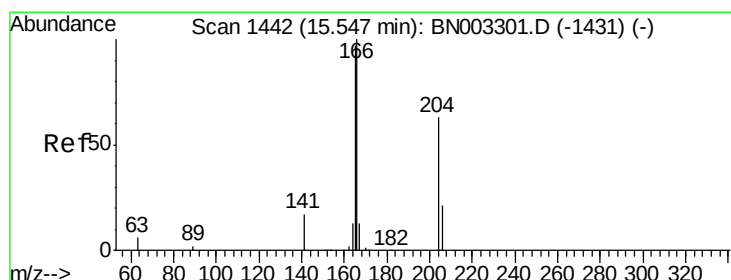
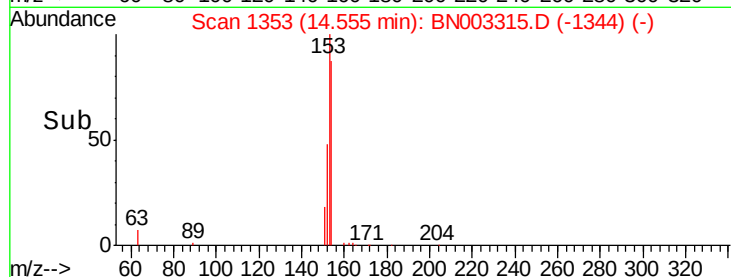
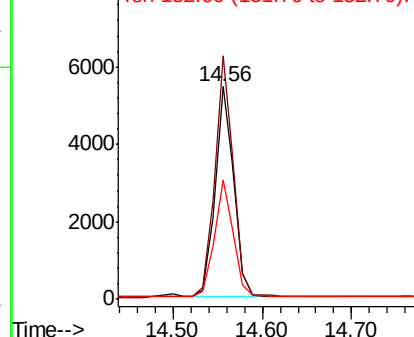
154 100

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

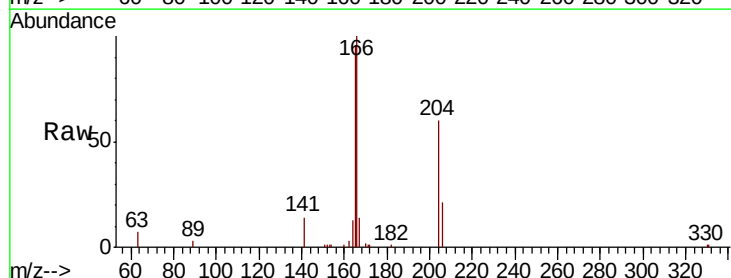
Tgt Ion:166 Resp: 9927

Ion Ratio Lower Upper

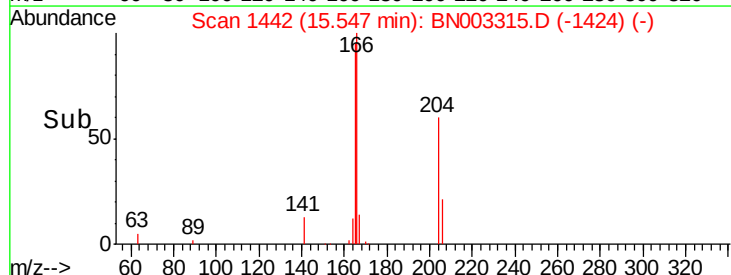
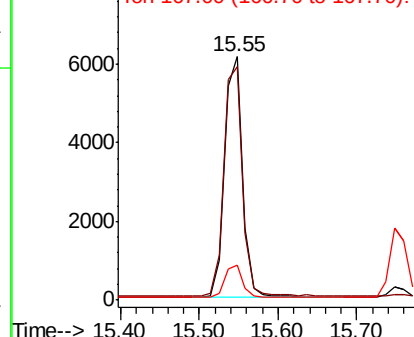
166 100

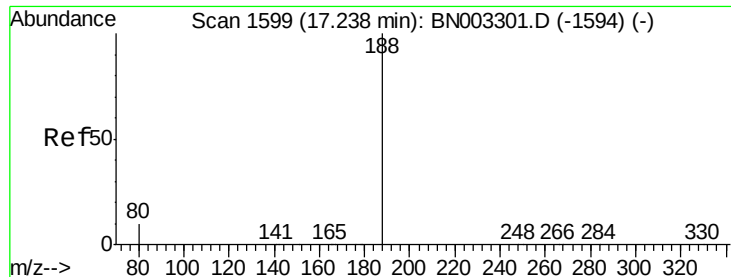
165 98.1 77.8 116.8

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

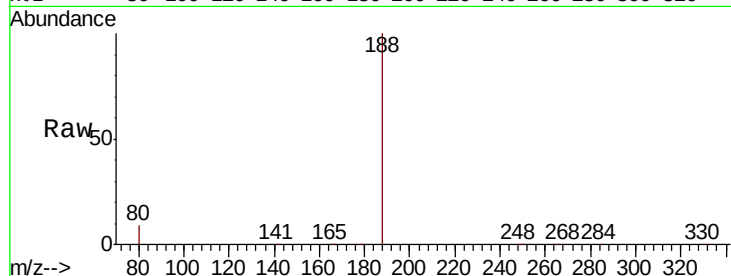
Tgt Ion:188 Resp: 75369

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

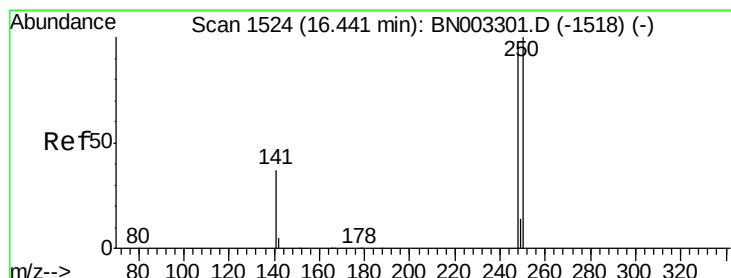
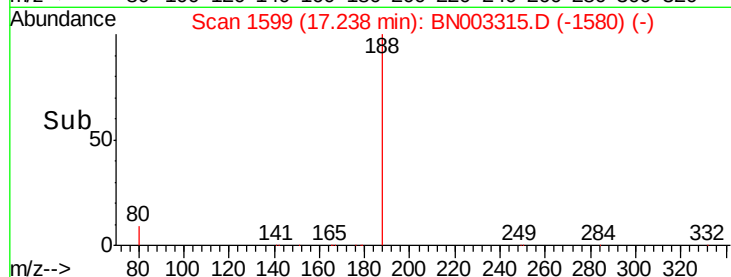
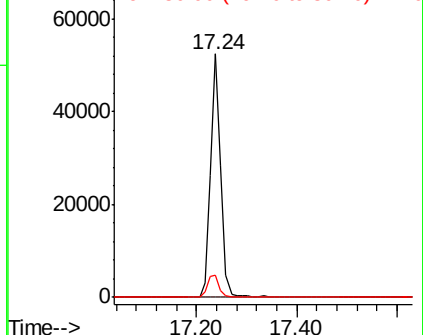
80 9.2 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#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

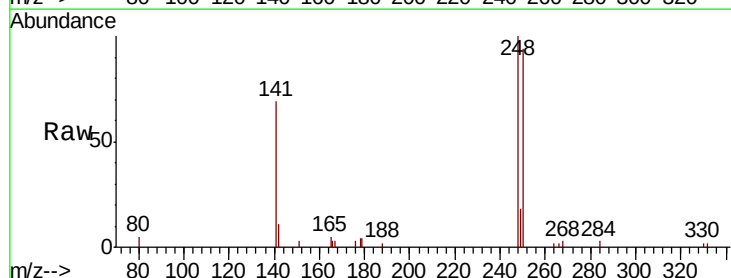
Tgt Ion:248 Resp: 3672

Ion Ratio Lower Upper

248 100

250 93.5 83.7 125.5

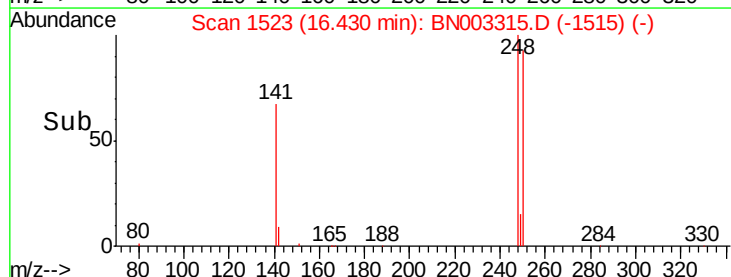
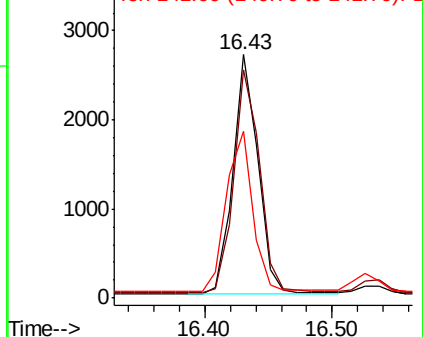
141 68.7 31.4 47.0#

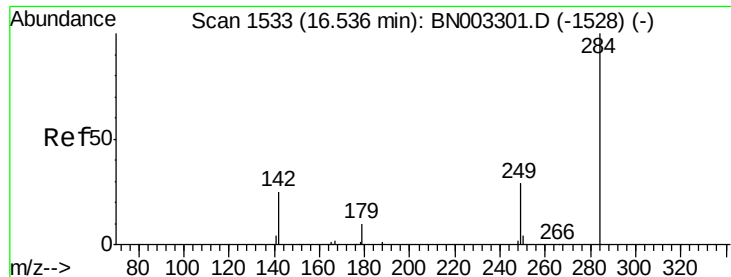


Abundance Ion 248.00 (247.70 to 248.70): E

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

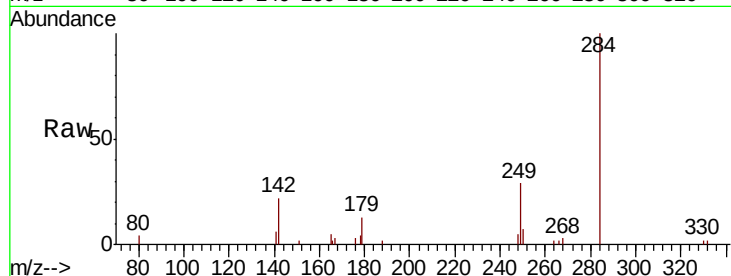
Tgt Ion:284 Resp: 4205

Ion Ratio Lower Upper

284 100

142 36.4 29.7 44.5

249 30.2 24.0 36.0

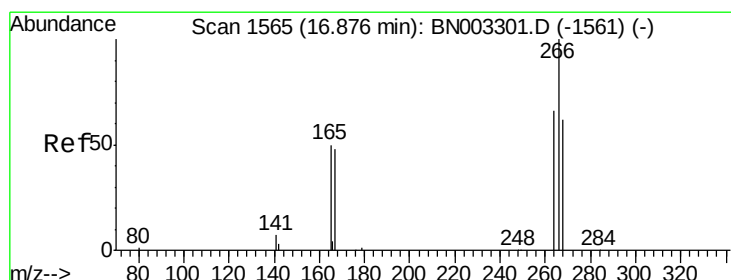
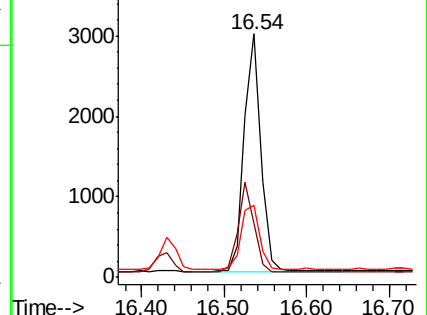
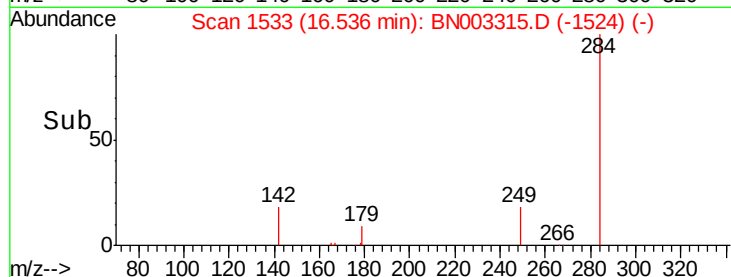


Abundance

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

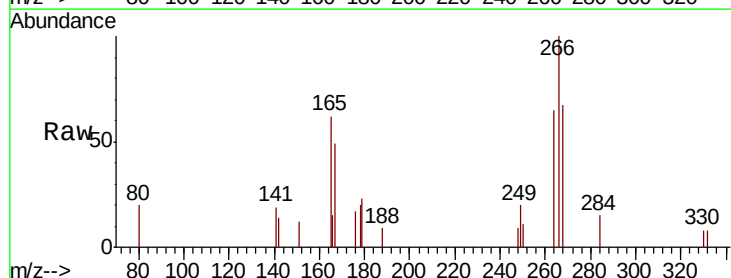
Tgt Ion:266 Resp: 869

Ion Ratio Lower Upper

266 100

264 65.4 52.1 78.1

268 67.4 51.8 77.6

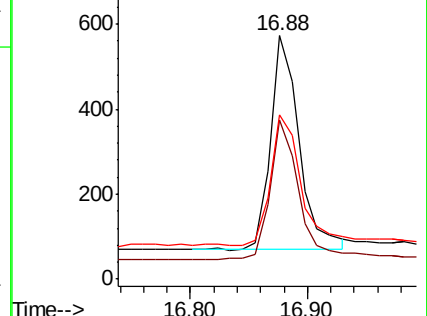
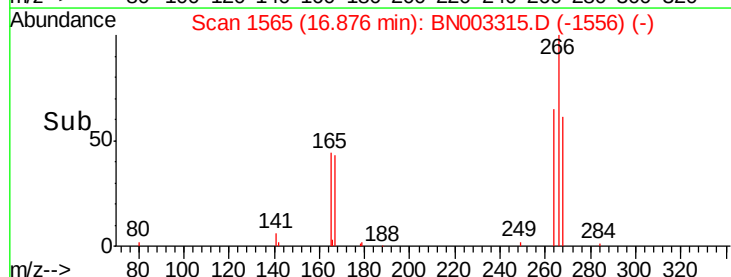


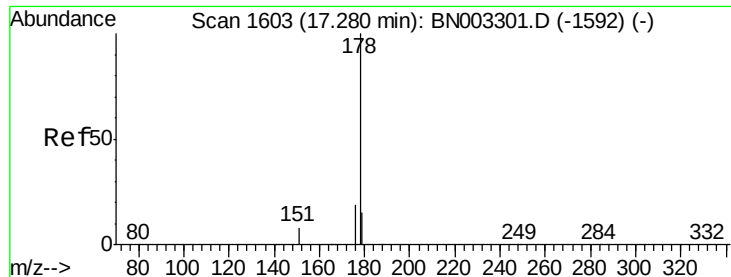
Abundance

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

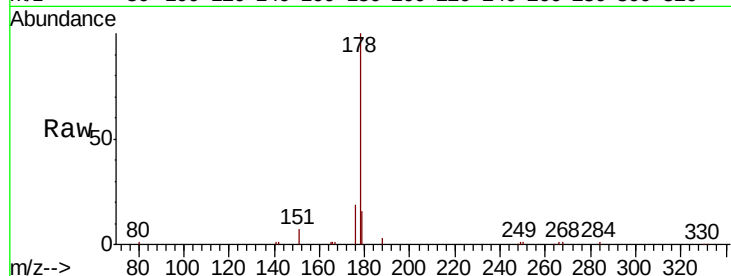
Tgt Ion:178 Resp: 17980

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

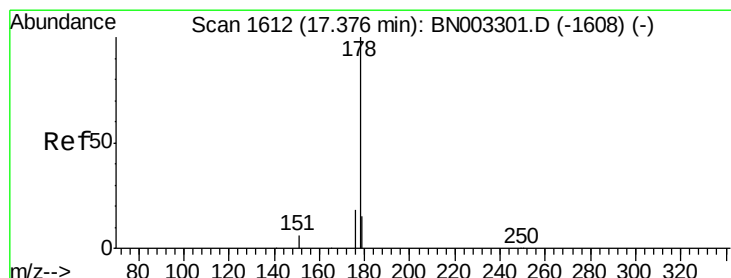
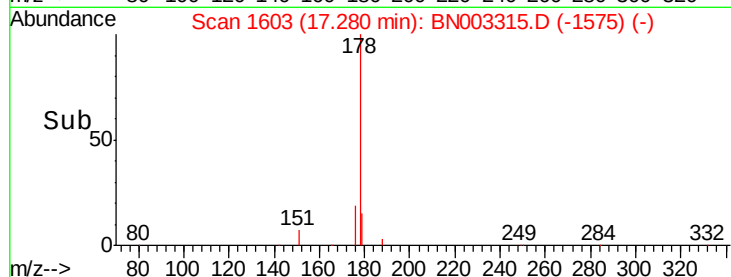
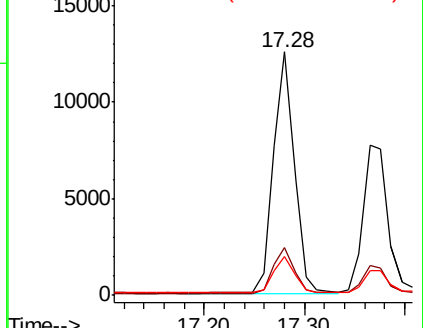
179 15.7 12.4 18.6



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

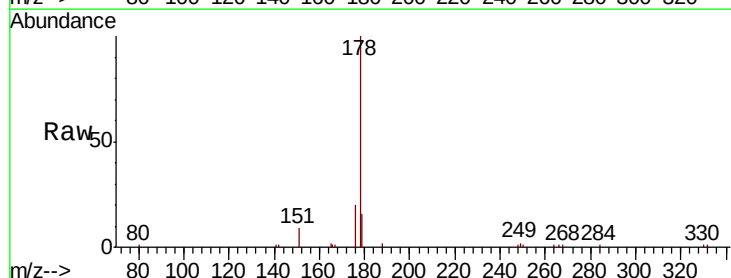
Tgt Ion:178 Resp: 13223

Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

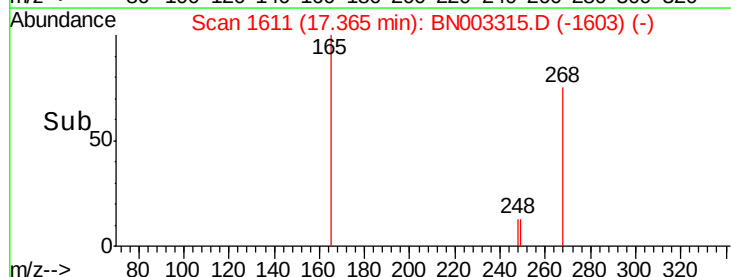
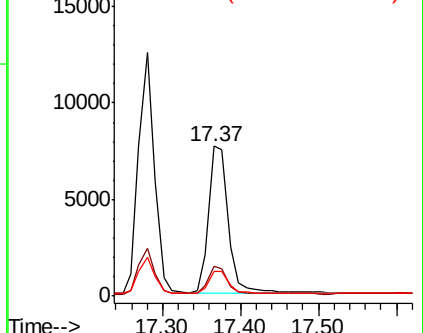
179 15.4 12.2 18.4

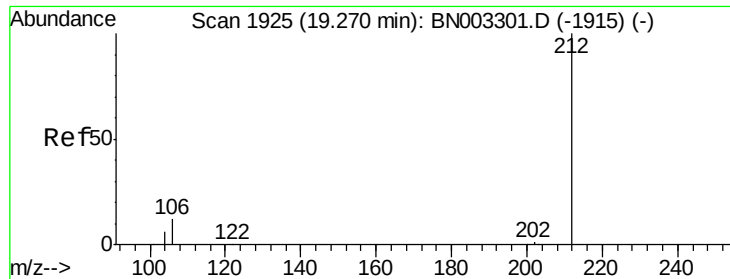


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

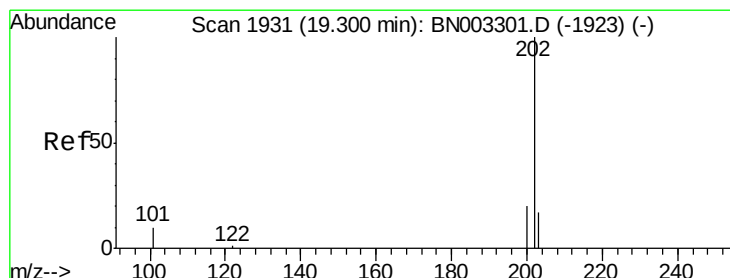
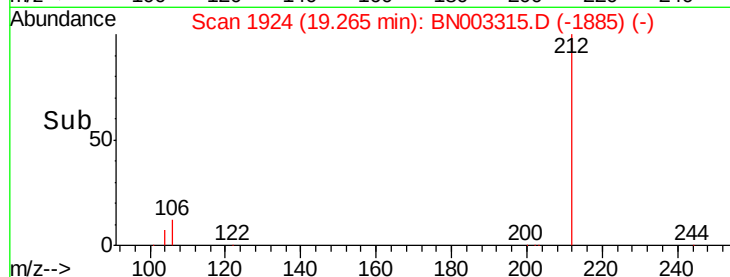
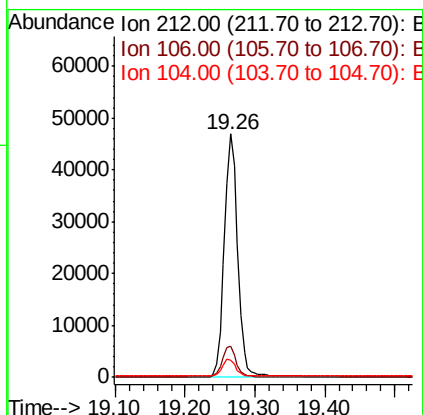
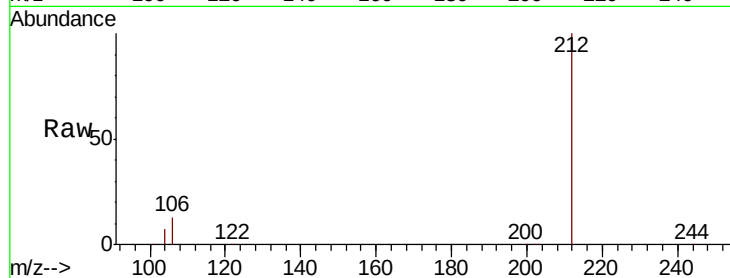




#25
 Fluoranthene-d10
 Concen: 0.284 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: BN003315.D
 Acq: 26 Oct 2018 21:13

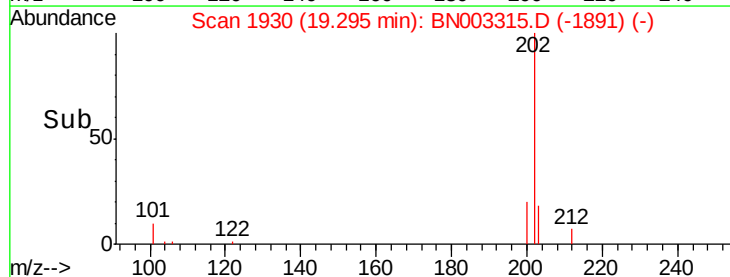
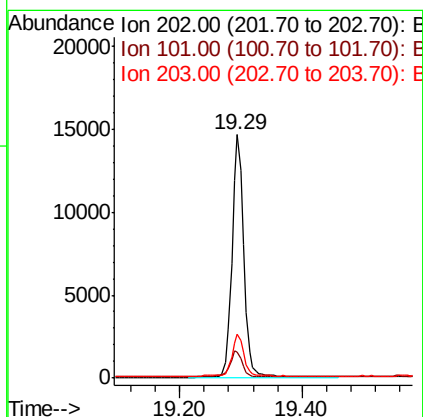
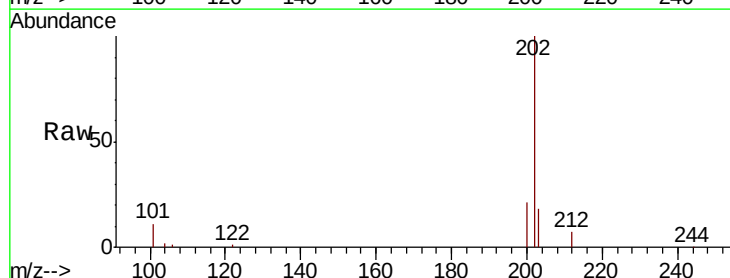
Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

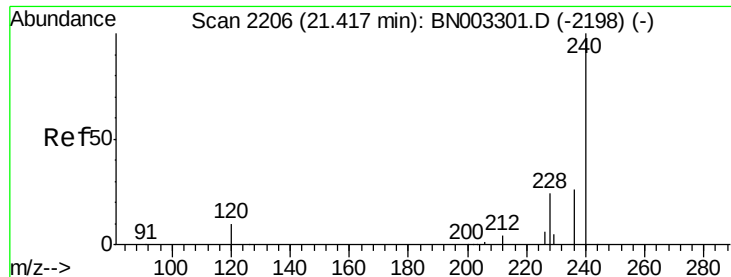
Tgt Ion: 212 Resp: 62161
 Ion Ratio Lower Upper
 212 100
 106 12.8 10.3 15.5
 104 7.1 5.6 8.4



#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

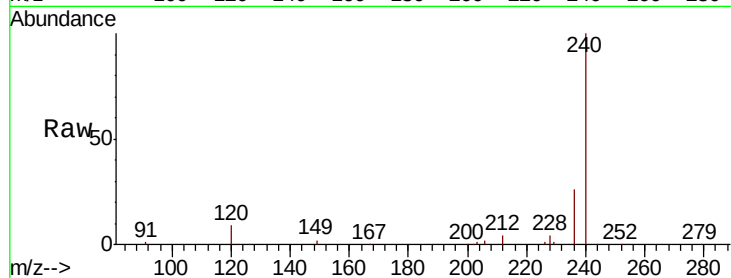
Tgt Ion:240 Resp: 79106

Ion Ratio Lower Upper

240 100

120 8.8 9.3 13.9#

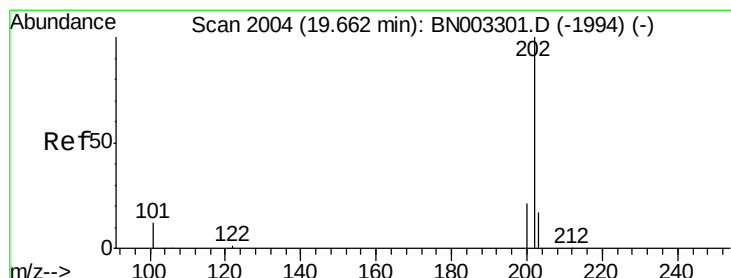
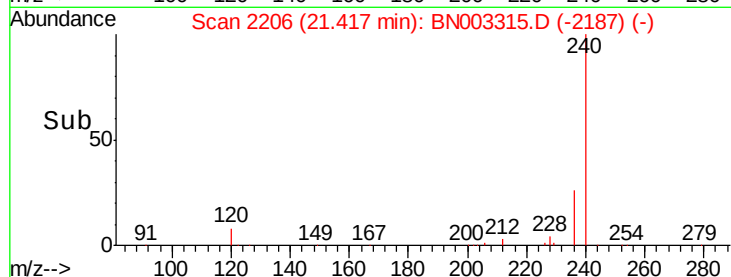
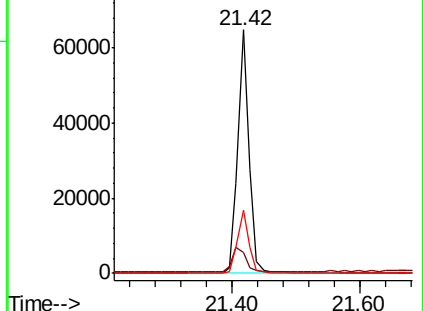
236 26.0 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#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

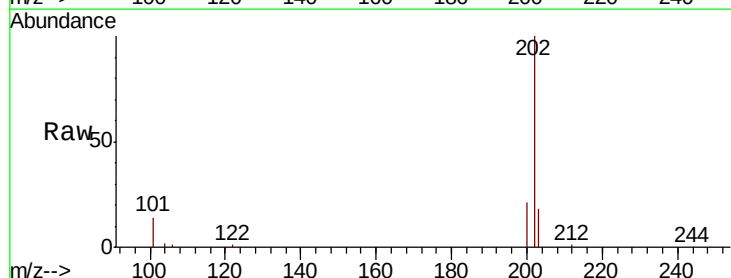
Tgt Ion:202 Resp: 19430

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

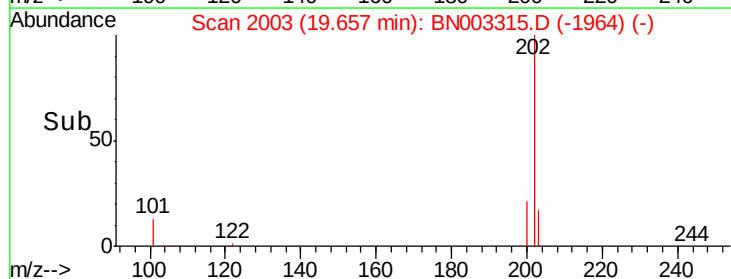
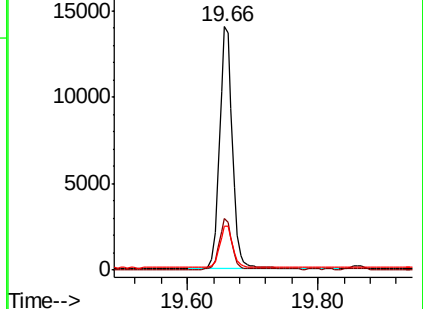
203 17.6 13.9 20.9

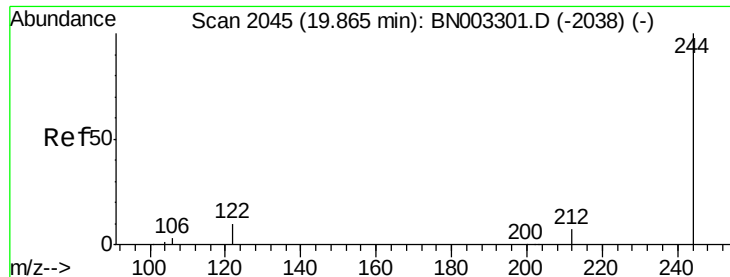


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#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

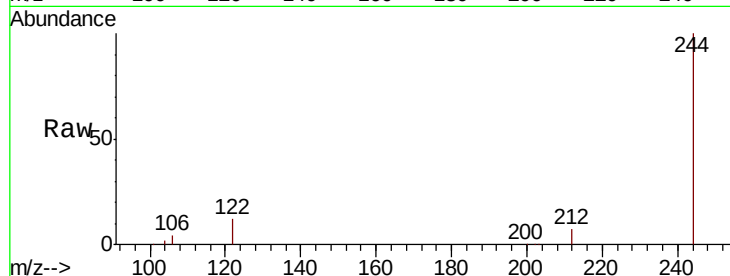
Tgt Ion:244 Resp: 58304

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

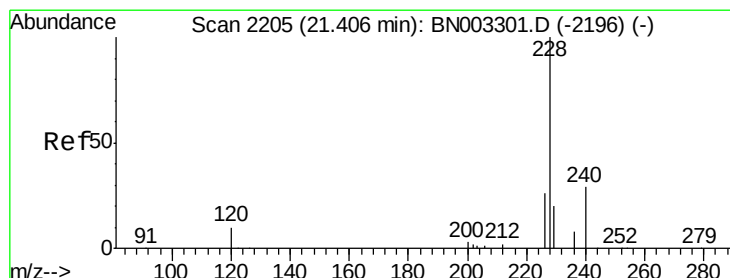
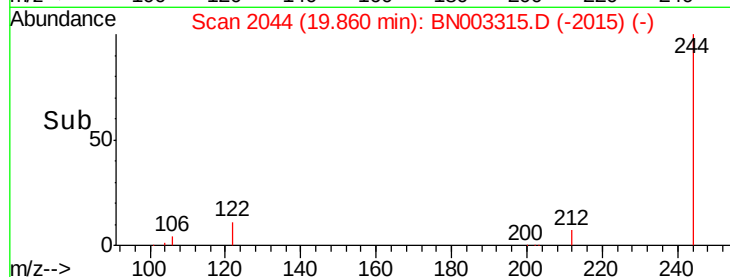
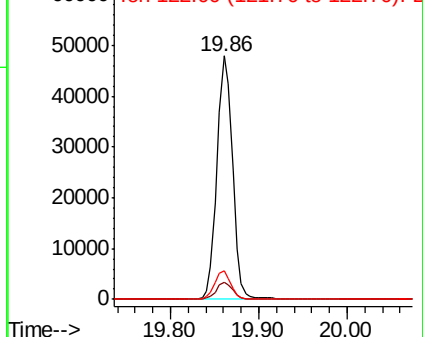
122 11.5 8.5 12.7



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

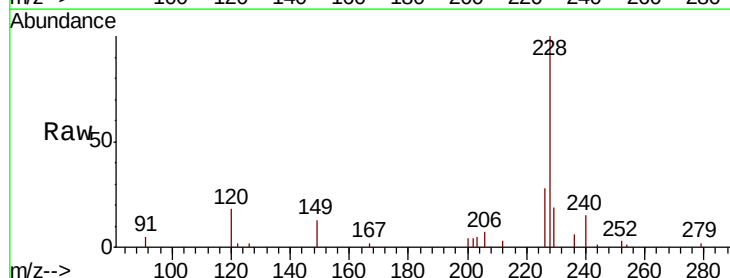
Tgt Ion:228 Resp: 16374

Ion Ratio Lower Upper

228 100

226 28.0 20.8 31.2

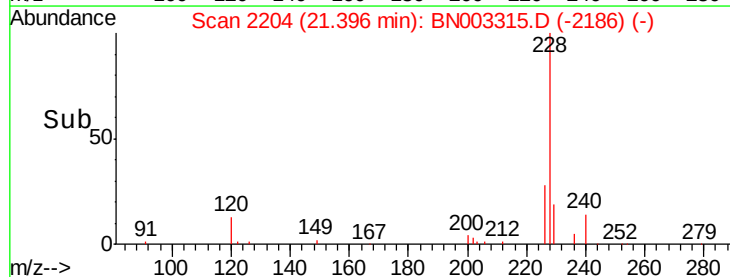
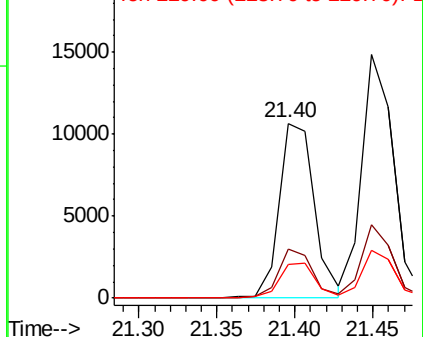
229 19.1 16.1 24.1

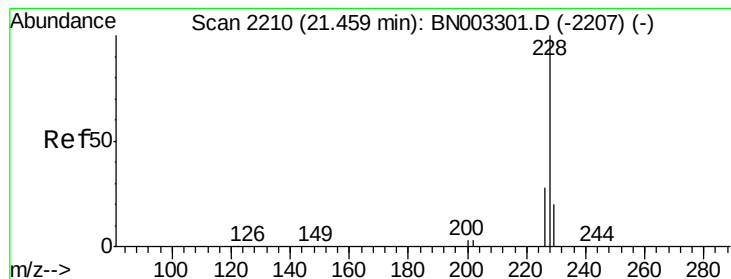


Abundance Ion 228.00 (227.70 to 228.70): E

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

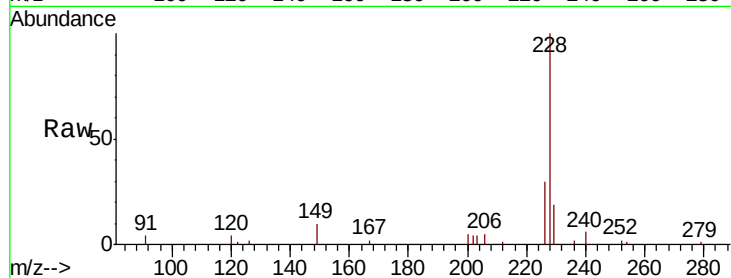
Tgt Ion:228 Resp: 20613

Ion Ratio Lower Upper

228 100

226 30.3 22.7 34.1

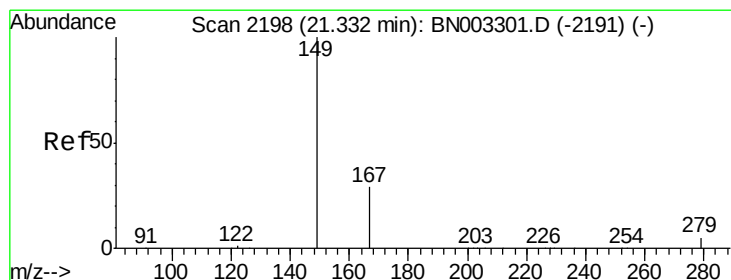
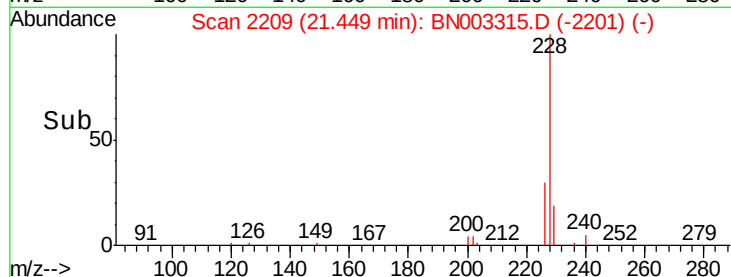
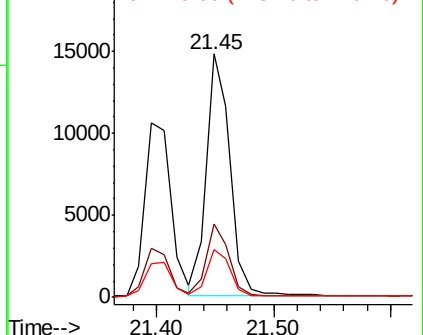
229 19.4 16.0 24.0



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



#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

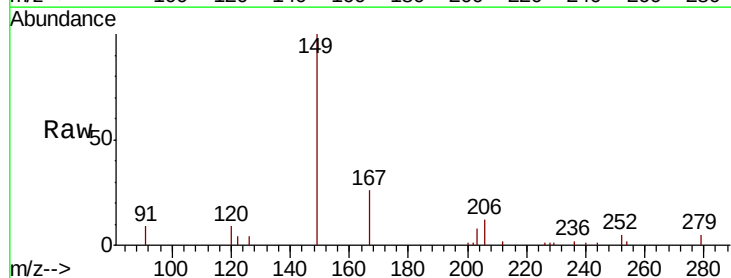
Tgt Ion:149 Resp: 5020

Ion Ratio Lower Upper

149 100

167 27.0 22.4 33.6

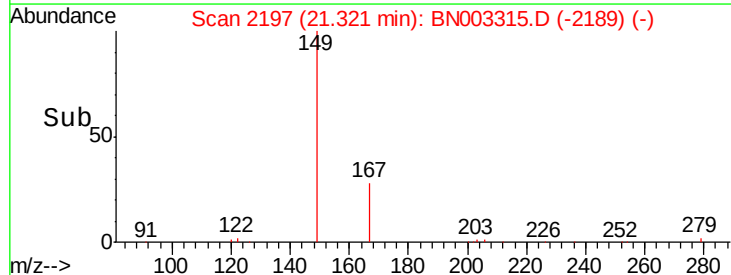
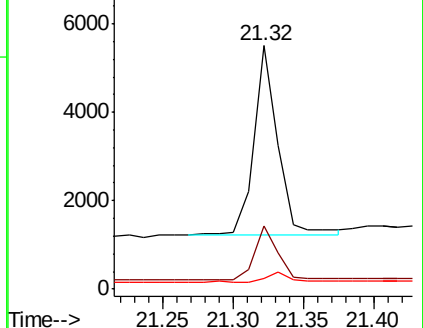
279 5.6 3.9 5.9

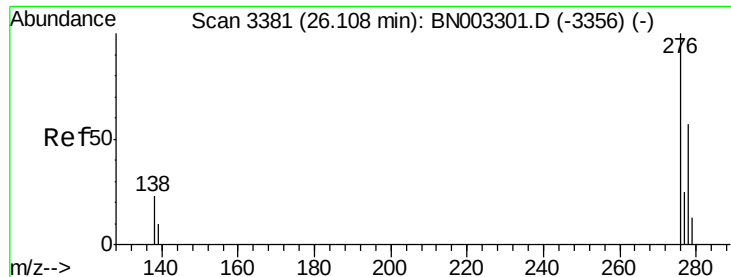


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#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

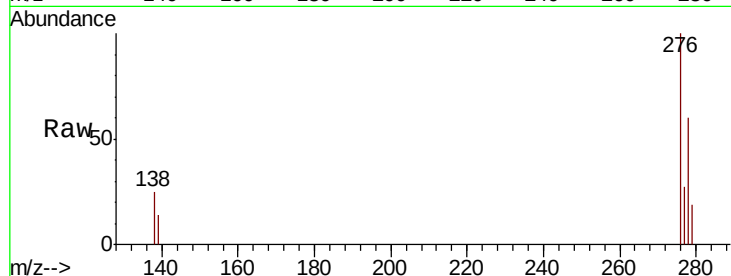
Tgt Ion: 276 Resp: 18876

Ion Ratio Lower Upper

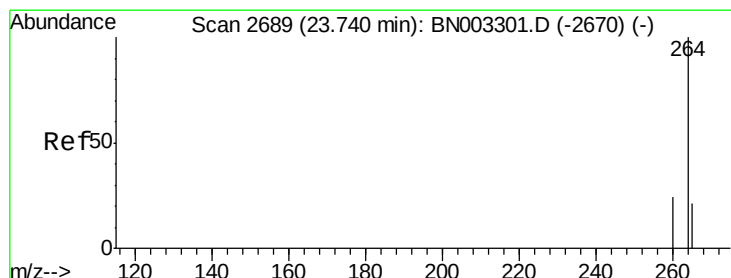
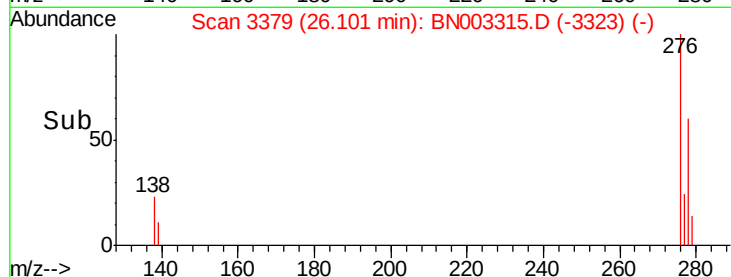
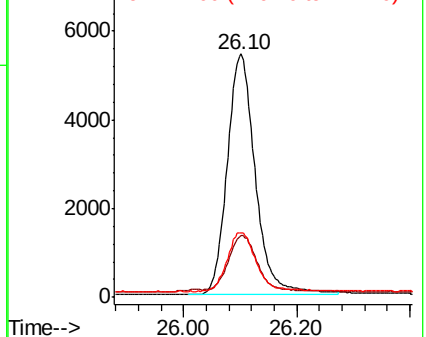
276 100

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

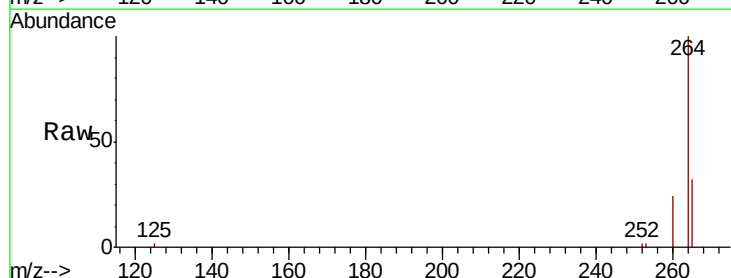
Tgt Ion: 264 Resp: 72507

Ion Ratio Lower Upper

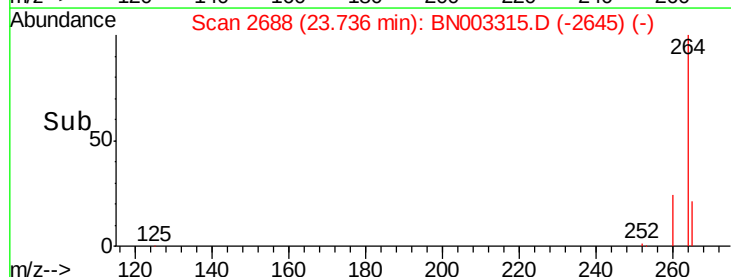
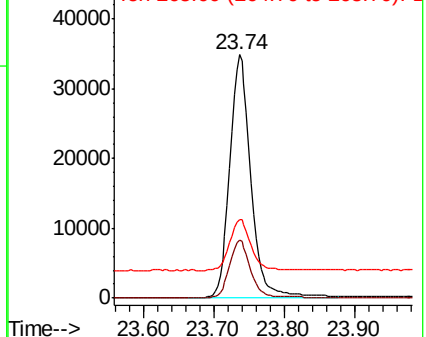
264 100

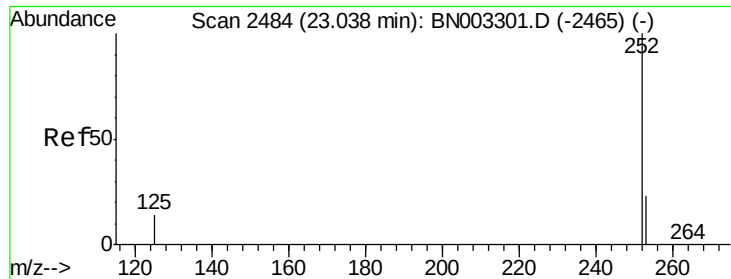
260 24.0 19.1 28.7

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: 0.089 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

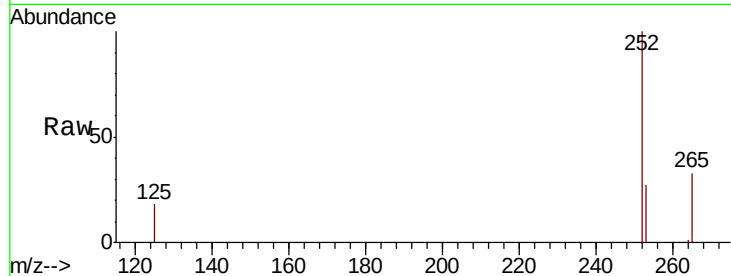
Tgt Ion:252 Resp: 19974

Ion Ratio Lower Upper

252 100

253 27.0 19.3 28.9

125 18.1 12.7 19.1

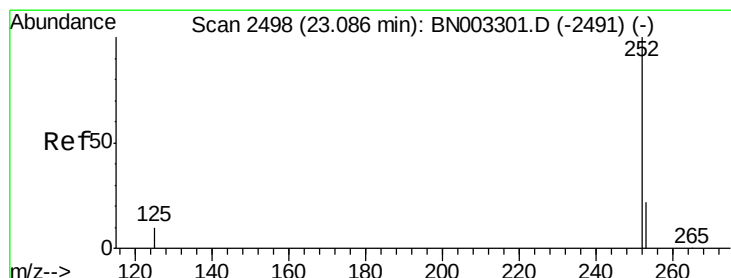
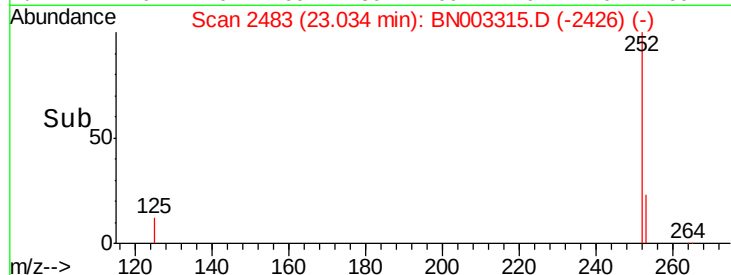
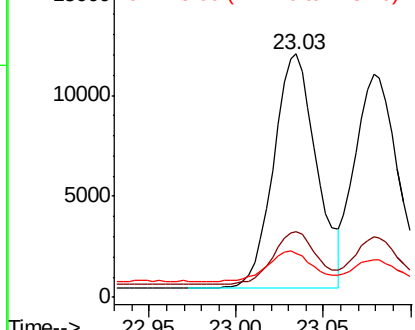


Abundance

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

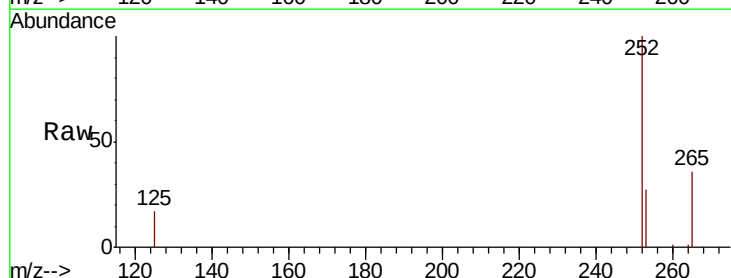
Tgt Ion:252 Resp: 18533

Ion Ratio Lower Upper

252 100

253 27.1 18.5 27.7

125 16.6 9.1 13.7#

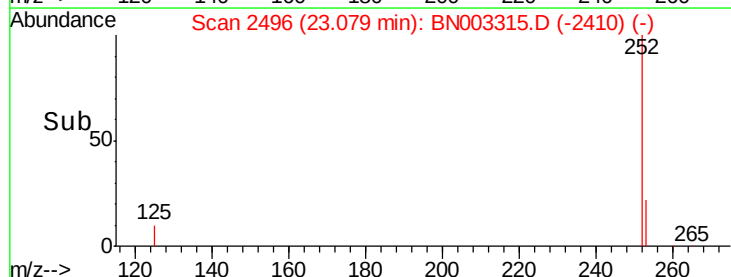
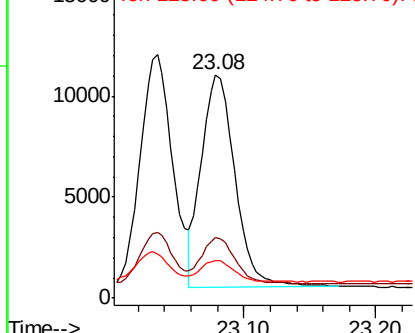


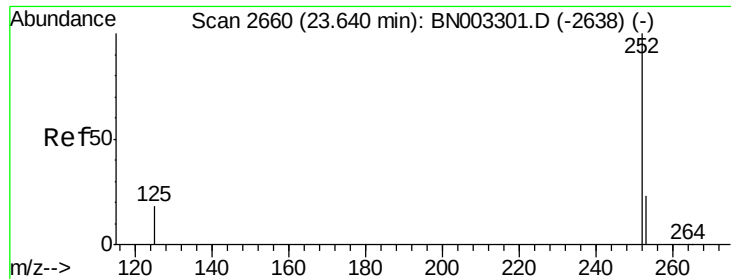
Abundance

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

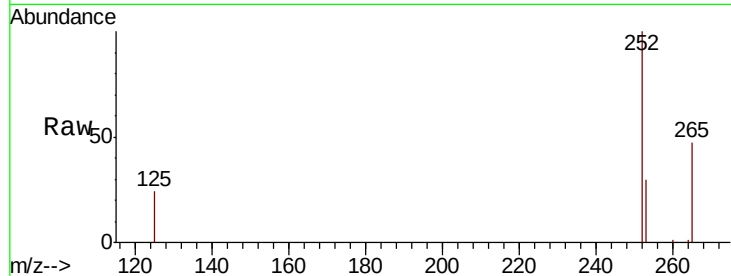
Tgt Ion:252 Resp: 16558

Ion Ratio Lower Upper

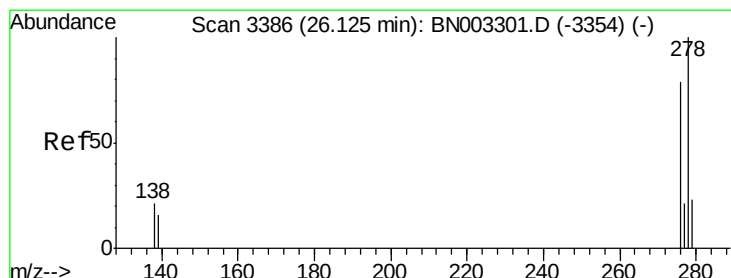
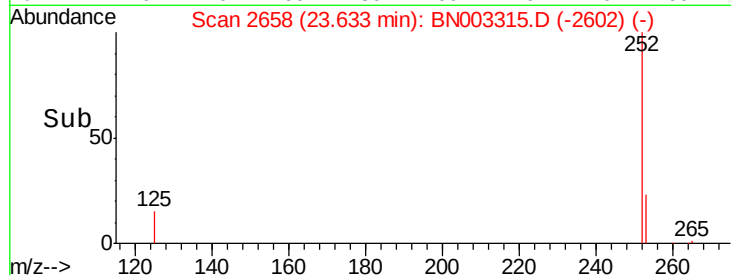
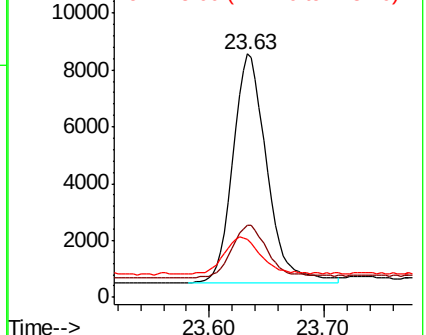
252 100

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

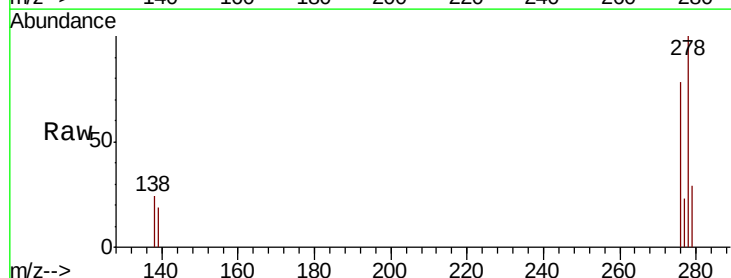
Tgt Ion:278 Resp: 15153

Ion Ratio Lower Upper

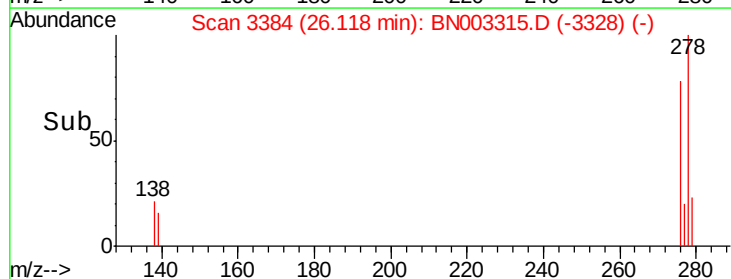
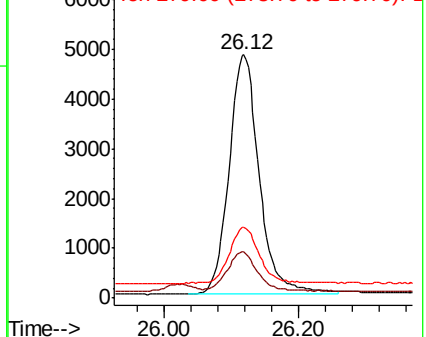
278 100

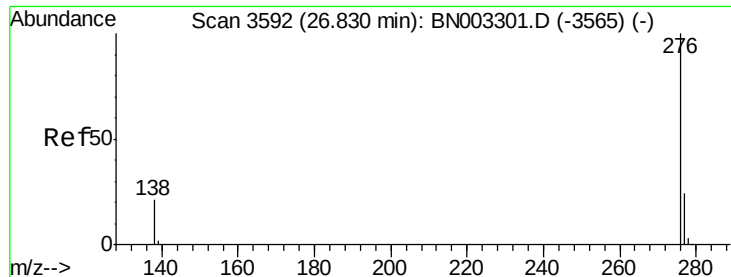
139 18.8 13.5 20.3

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(g,h,i)perylene

Concen: 0.086 ng

RT: 26.82 min Scan# 3590

Delta R.T. -0.01 min

Lab File: BN003315.D

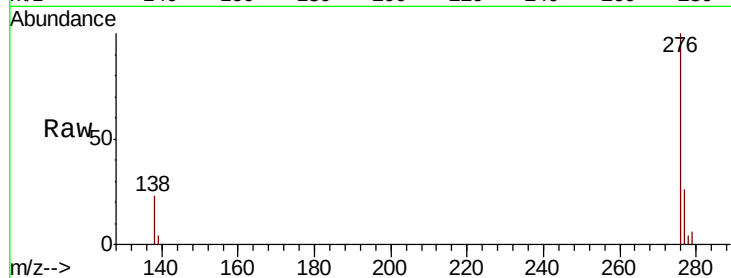
Acq: 26 Oct 2018 21:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT4-2018



Tgt 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

