

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003286.D
 Acq On : 24 Oct 2018 23:49
 Operator : MJ/SJ
 Sample : J5164-07
 Misc : LOD 5PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 25 07:08:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

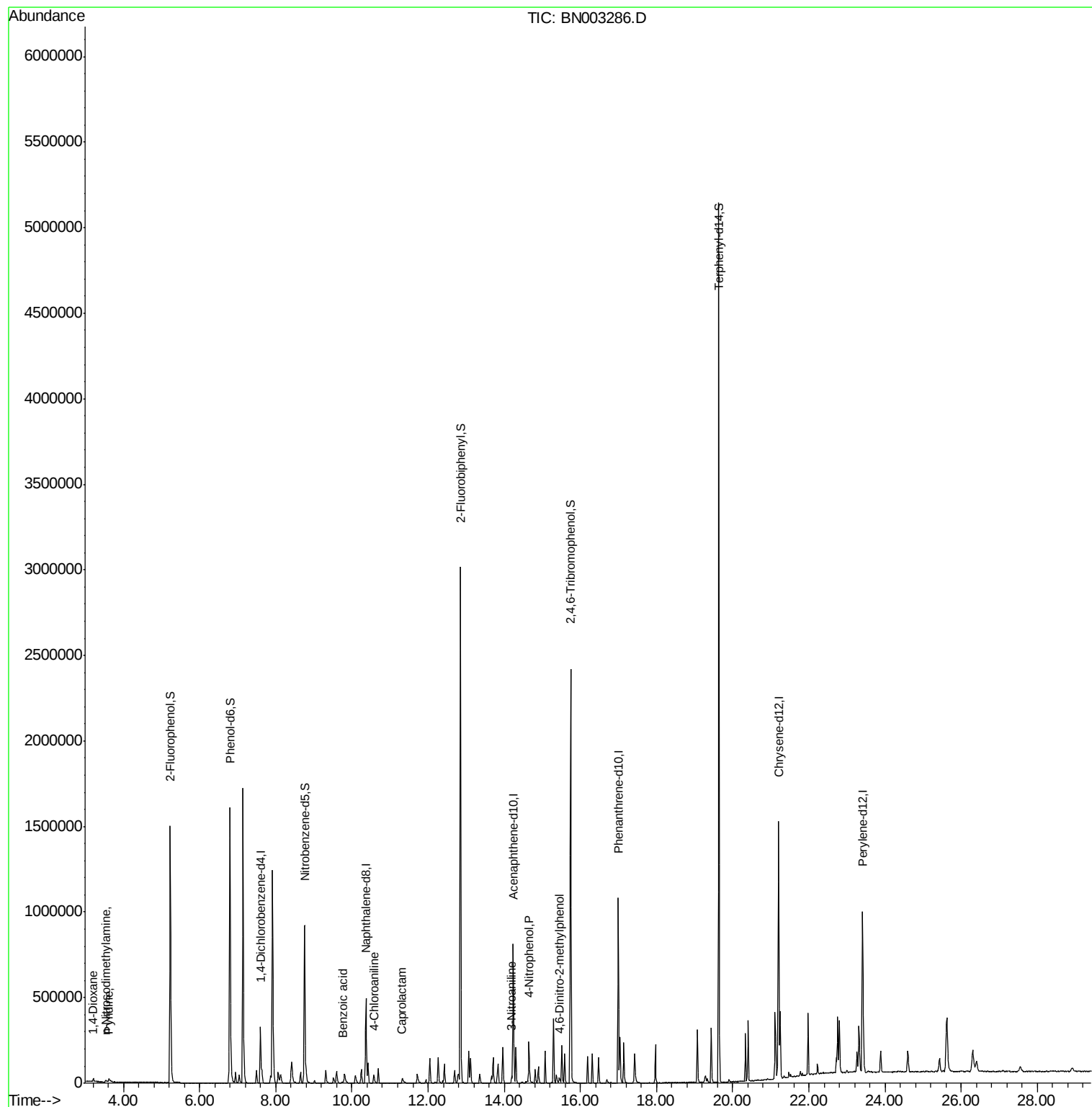
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	93439	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	426170	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	272083	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	638934	20.00	ng	0.00
76) Chrysene-d12	21.21	240	725289	20.00	ng	0.00
87) Perylene-d12	23.41	264	757836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	728815	135.85	ng	0.00
7) Phenol-d6	6.80	99	1010580	132.48	ng	0.00
23) Nitrobenzene-d5	8.76	82	596611	80.29	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	497300	135.74	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1595174	79.52	ng	0.00
79) Terphenyl-d14	19.64	244	2575716	75.95	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	10628	4.172	ng	Qvalue 85
3) Pyridine	3.61	79	24100	4.140	ng	93
4) n-Nitrosodimethylamine	3.53	42	8415	3.927	ng	# 96
32) Benzoic acid	9.75	122	3303	5.622	ng	# 80
33) 4-Chloroaniline	10.57	127	36316	3.946	ng	98
35) Caprolactam	11.33	113	8320	3.318	ng	93
53) 3-Nitroaniline	14.20	138	18393	3.446	ng	# 94
56) 4-Nitrophenol	14.65	139	55429	18.851	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.45	198	12124	2.719	ng	99

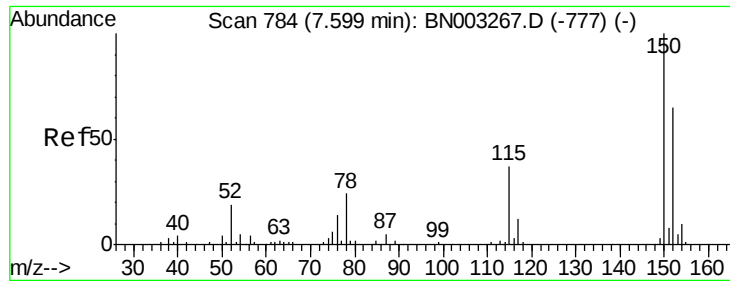
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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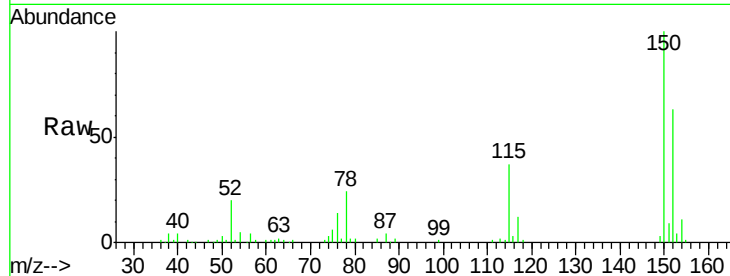


#1

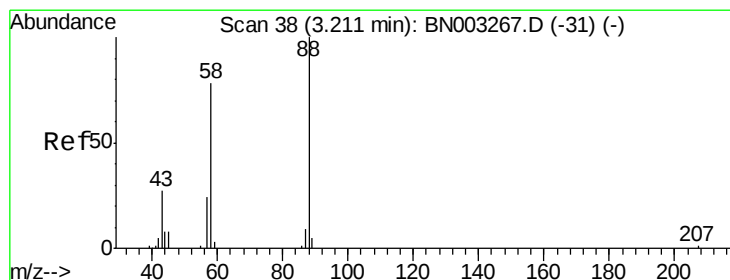
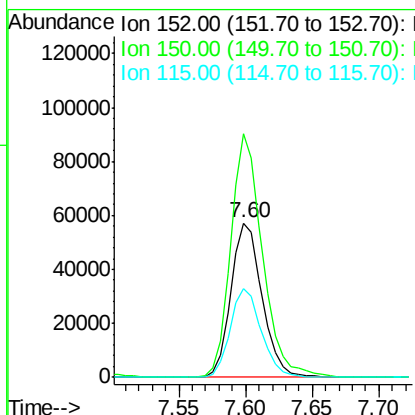
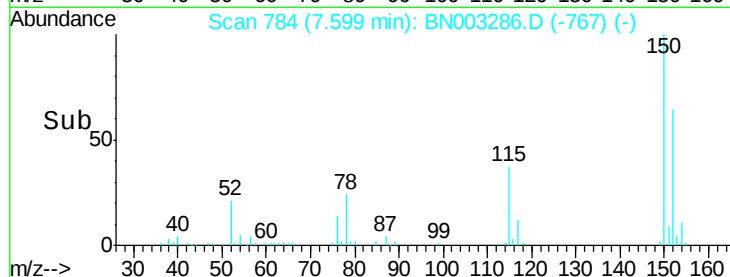
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 784
Delta R.T. -0.00 min
Lab File: BN003286.D
Acq: 24 Oct 2018 23:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:152 Resp: 93439
Ion Ratio Lower Upper
152 100
150 157.9 123.8 185.8
115 57.7 45.9 68.9



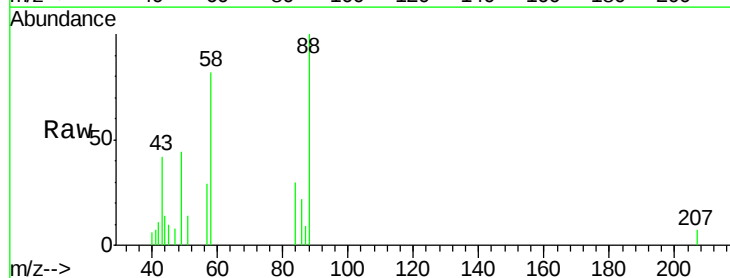
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



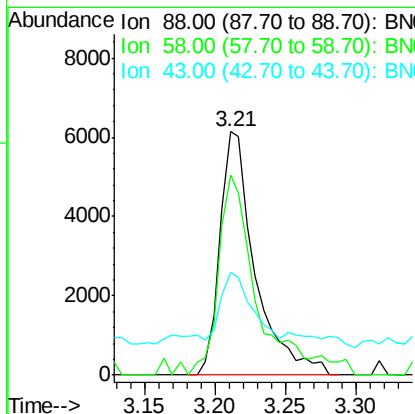
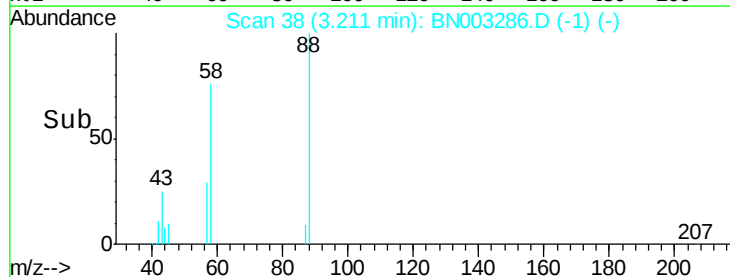
#2

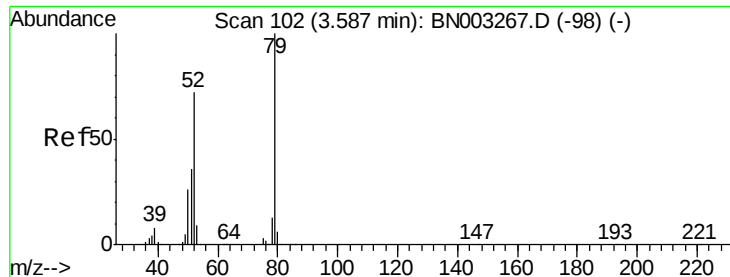
1,4-Dioxane
Concen: 4.172 ng
RT: 3.21 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN003286.D
Acq: 24 Oct 2018 23:49

Tgt Ion: 88 Resp: 10628
Ion Ratio Lower Upper
88 100
58 91.0 61.1 91.7
43 23.4 22.2 33.4



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

Pyridine

Concen: 4.140 ng

RT: 3.61 min Scan# 106

Delta R.T. 0.02 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

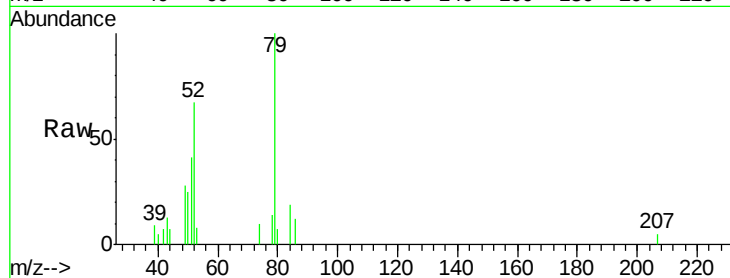
Tgt Ion: 79 Resp: 24100

Ion Ratio Lower Upper

79 100

52 66.9 57.7 86.5

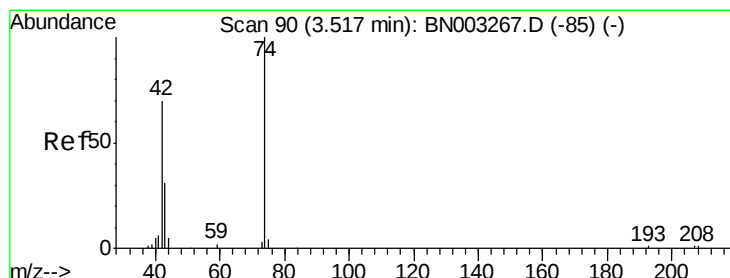
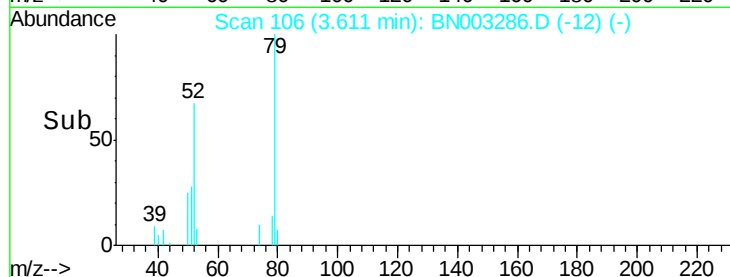
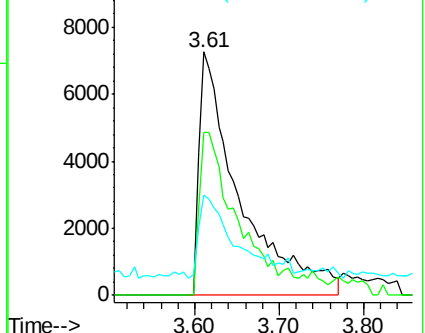
51 41.1 28.7 43.1



Abundance Ion 79.00 (78.70 to 79.70): BN003286.D (-12) (-)

Ion 52.00 (51.70 to 52.70): BN003286.D (-12) (-)

Ion 51.00 (50.70 to 51.70): BN003286.D (-12) (-)



#4

n-Nitrosodimethylamine

Concen: 3.927 ng

RT: 3.53 min Scan# 93

Delta R.T. 0.02 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

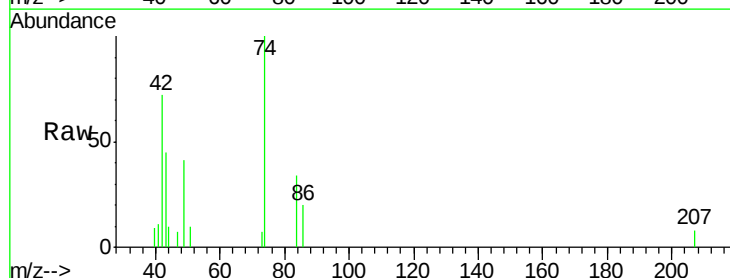
Tgt Ion: 42 Resp: 8415

Ion Ratio Lower Upper

42 100

74 139.0 114.2 171.4

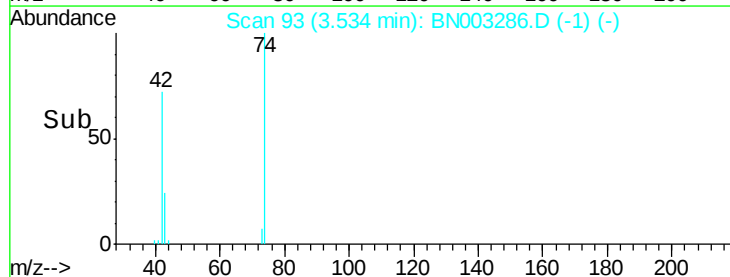
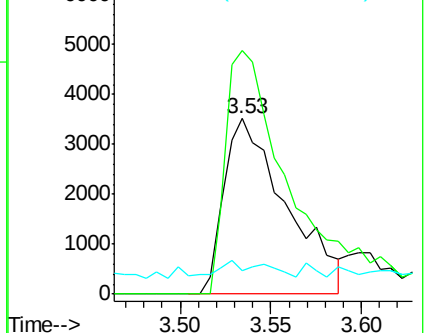
44 13.6 6.1 9.1#

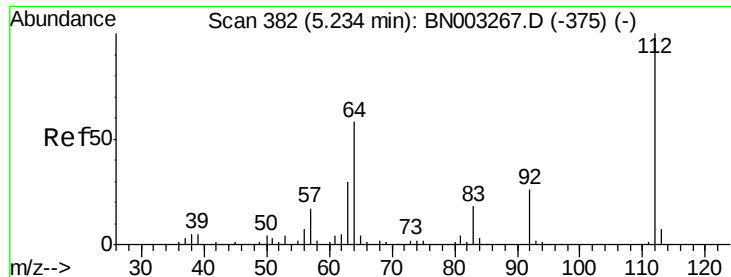


Abundance Ion 42.00 (41.70 to 42.70): BN003286.D (-1) (-)

Ion 74.00 (73.70 to 74.70): BN003286.D (-1) (-)

Ion 44.00 (43.70 to 44.70): BN003286.D (-1) (-)





#5

2-Fluorophenol

Concen: 135.854 ng

RT: 5.23 min Scan# 381

Delta R.T. -0.01 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

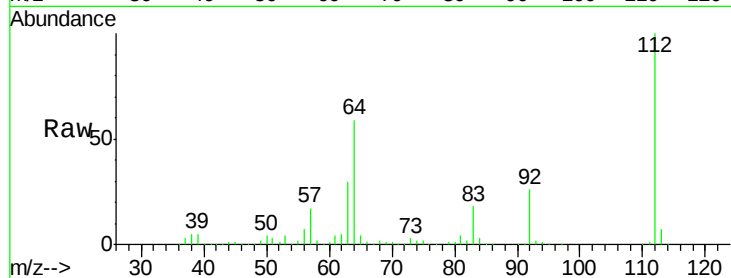
Tgt Ion: 112 Resp: 728815

Ion Ratio Lower Upper

112 100

64 59.4 46.6 69.8

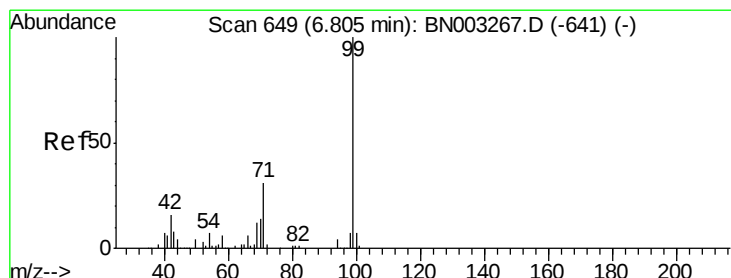
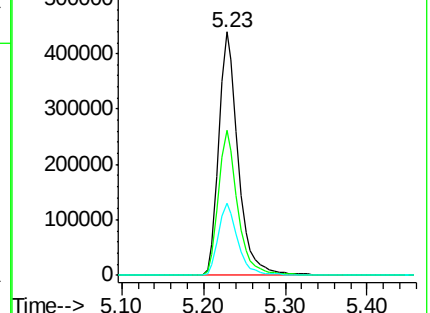
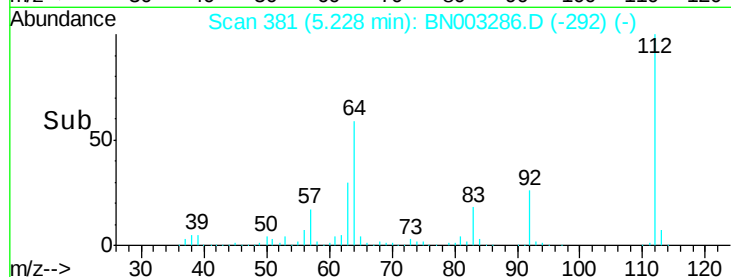
63 29.7 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#7

Phenol-d6

Concen: 132.478 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

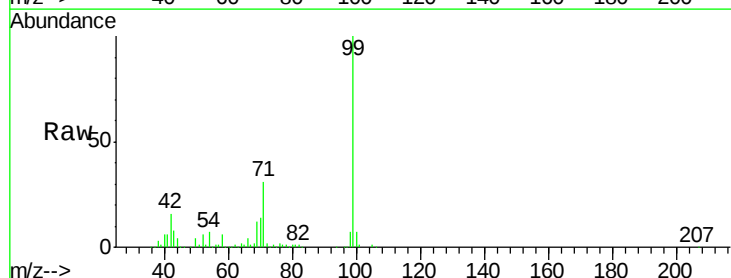
Tgt Ion: 99 Resp: 1010580

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.6

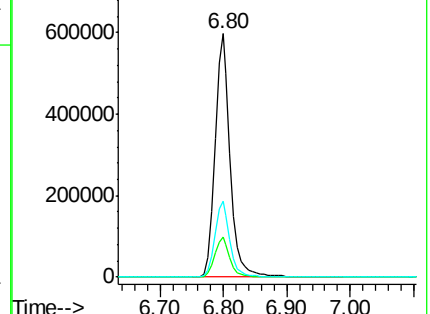
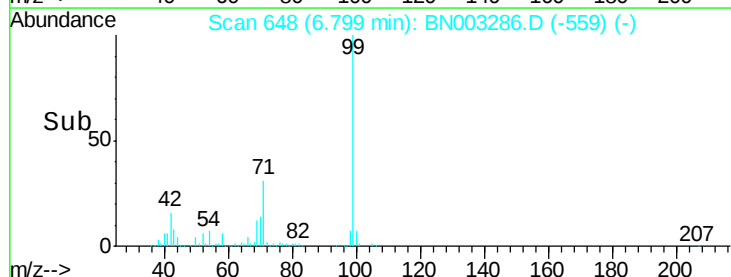
71 31.3 24.5 36.7

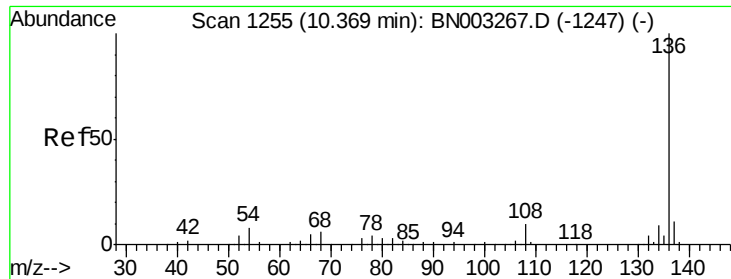


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO

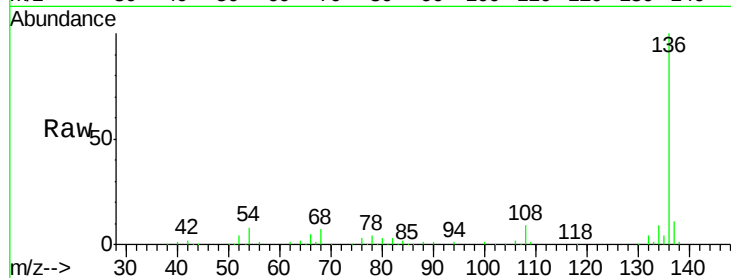




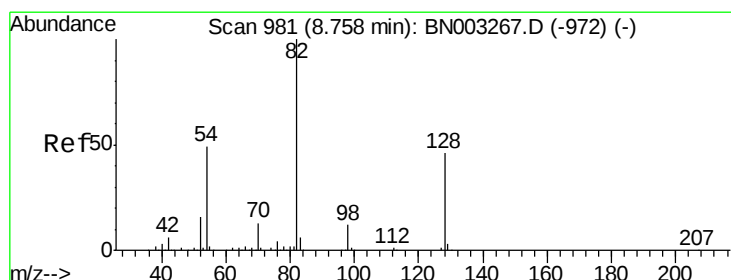
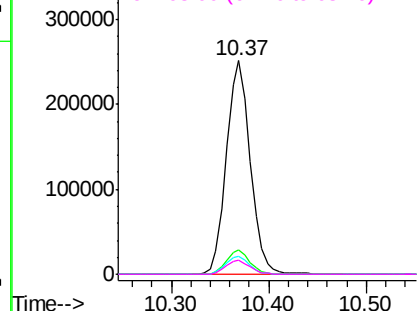
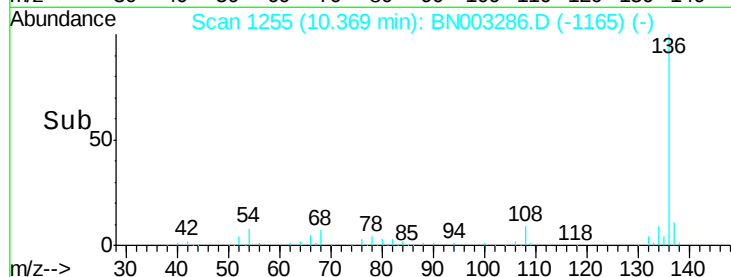
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003286.D
Acq: 24 Oct 2018 23:49

Instrument :
BNA_N
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LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	136	Resp:	426170
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.5	6.6	10.0
68	6.8	4.6	7.0

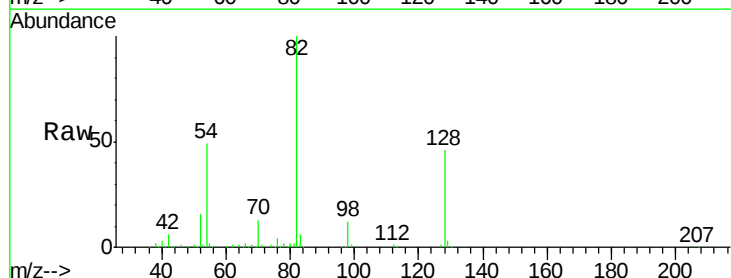


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

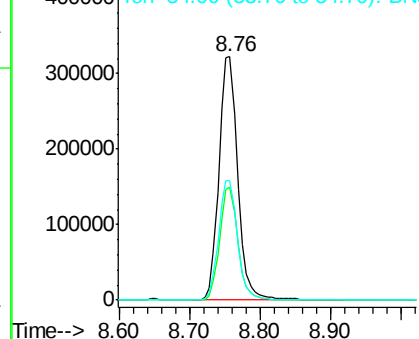
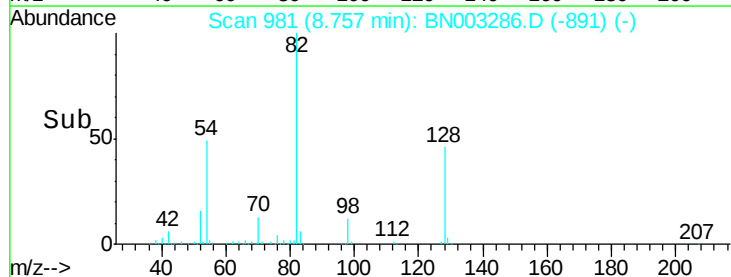


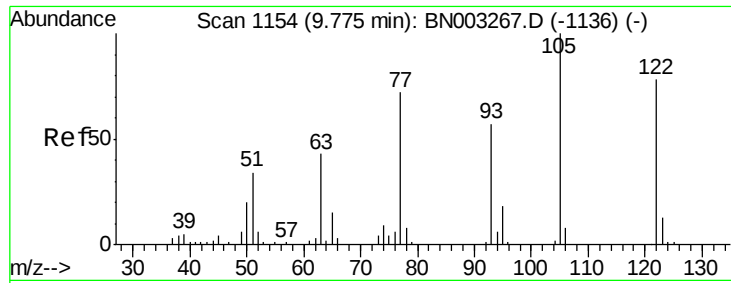
#23
Nitrobenzene-d5
Concen: 80.285 ng
RT: 8.76 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN003286.D
Acq: 24 Oct 2018 23:49

Tgt Ion:	82	Resp:	596611
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.1	55.7
54	48.9	39.4	59.2



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





#32

Benzoic acid

Concen: 5.622 ng

RT: 9.75 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

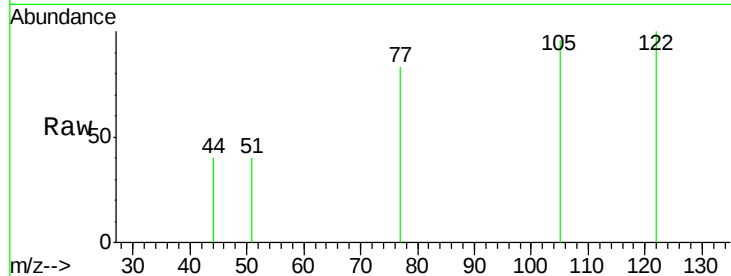
Tgt Ion:122 Resp: 3303

Ion Ratio Lower Upper

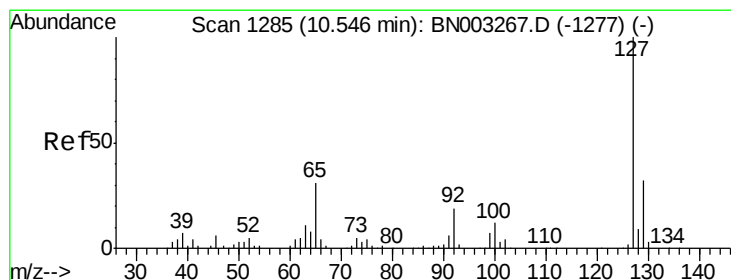
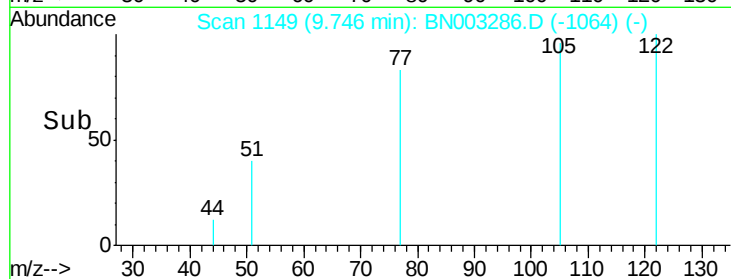
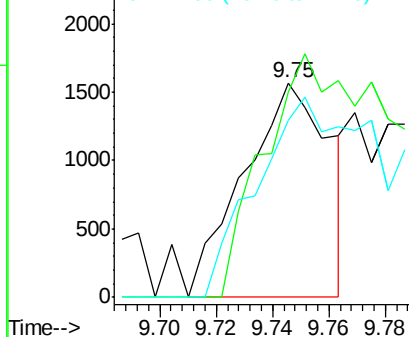
122 100

105 95.9 106.8 146.8#

77 82.7 71.9 111.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNC



#33

4-Chloroaniline

Concen: 3.946 ng

RT: 10.57 min Scan# 1290

Delta R.T. 0.03 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Tgt Ion:127 Resp: 36316

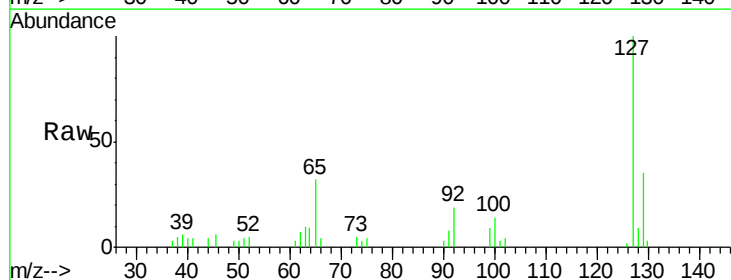
Ion Ratio Lower Upper

127 100

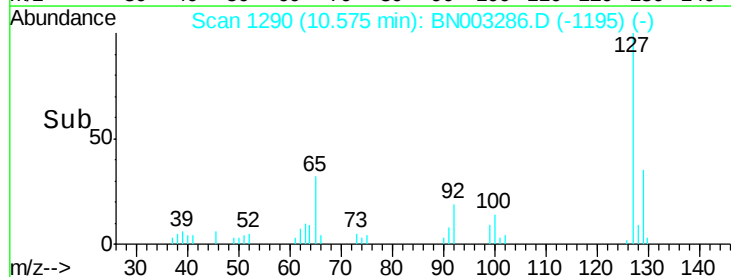
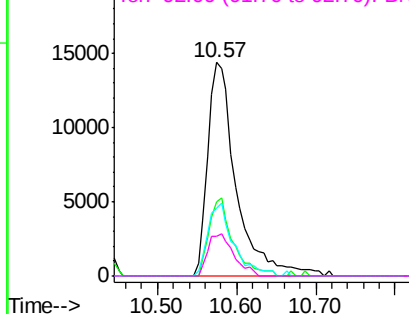
129 34.5 25.8 38.6

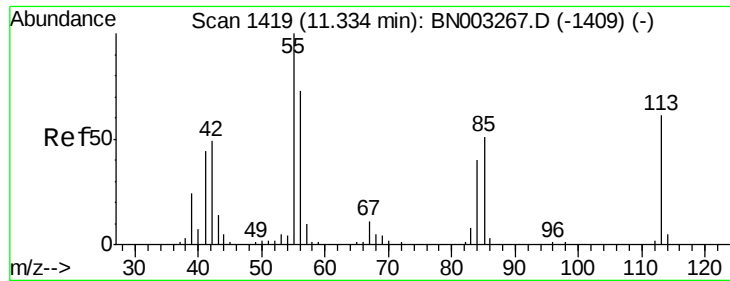
65 31.5 24.6 36.8

92 18.9 15.3 22.9



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC





#35

Caprolactam

Concen: 3.318 ng

RT: 11.33 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BN003286.D

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Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

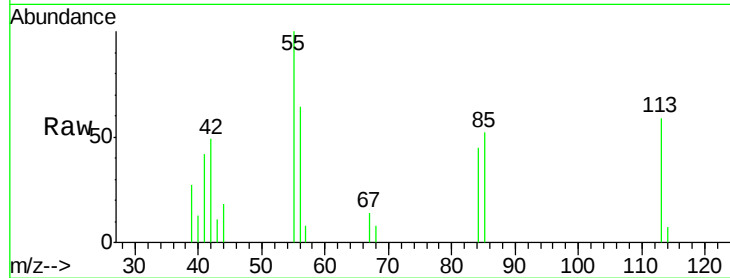
Tgt Ion:113 Resp: 8320

Ion Ratio Lower Upper

113 100

55 168.9 144.2 184.2

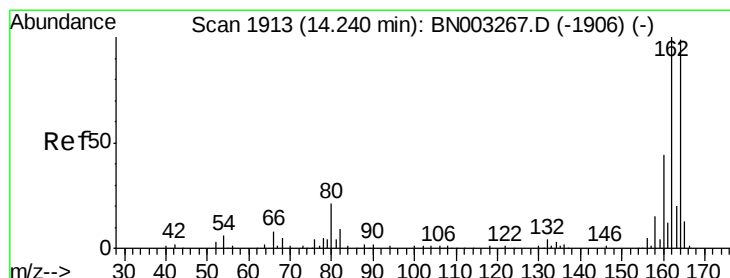
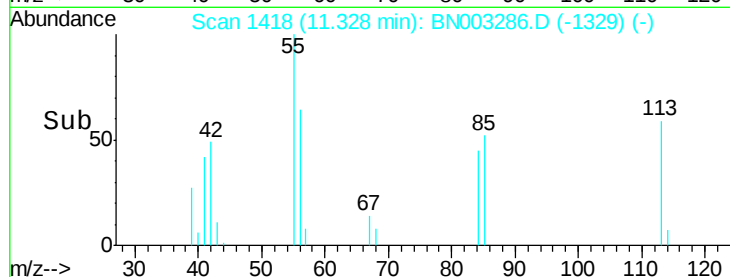
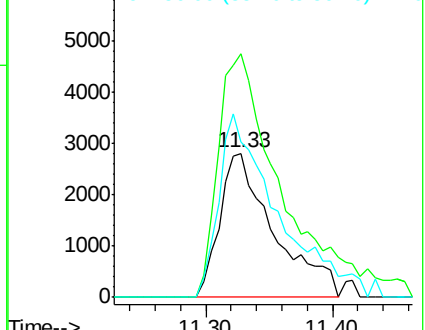
56 107.5 100.6 140.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

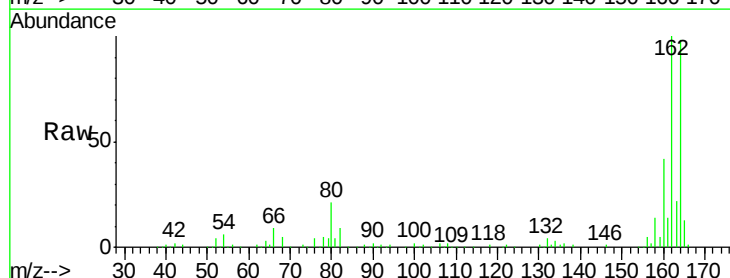
Tgt Ion:164 Resp: 272083

Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

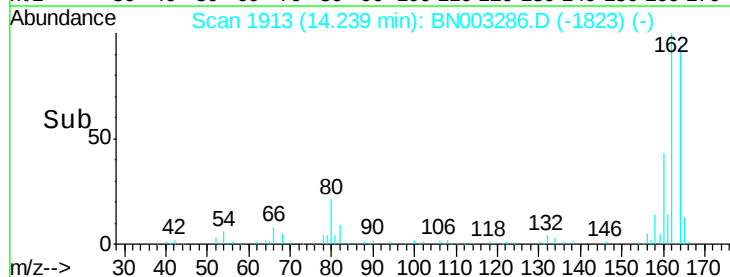
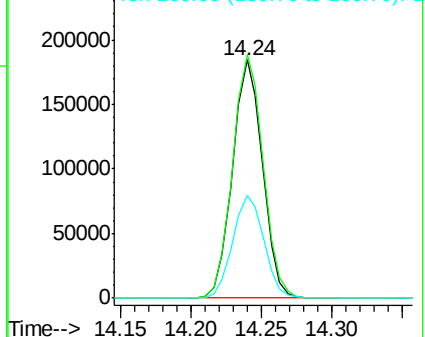
160 43.4 35.5 53.3

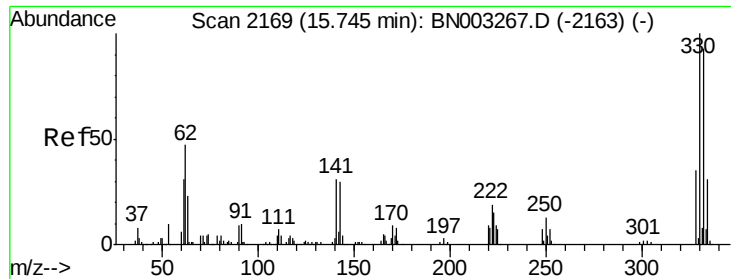


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

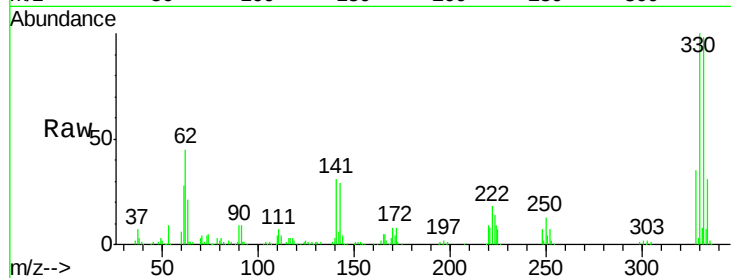




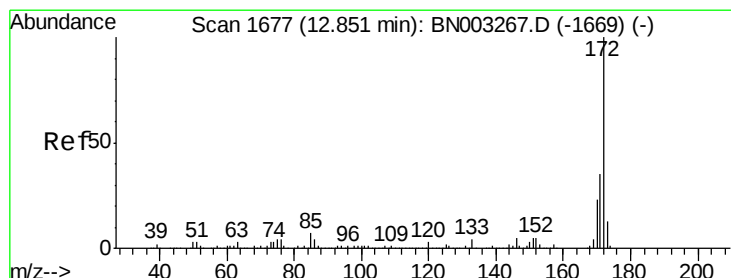
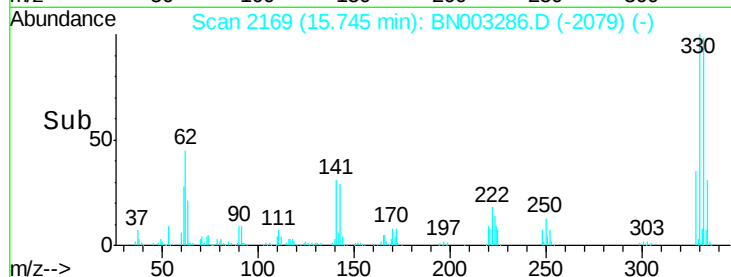
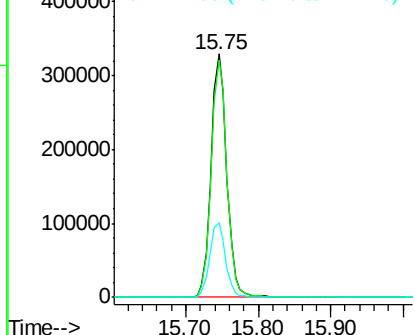
#42
 2,4,6-Tribromophenol
 Concen: 135.737 ng
 RT: 15.75 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: BN003286.D
 Acq: 24 Oct 2018 23:49

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:330 Resp: 497300
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 30.8 24.5 36.7

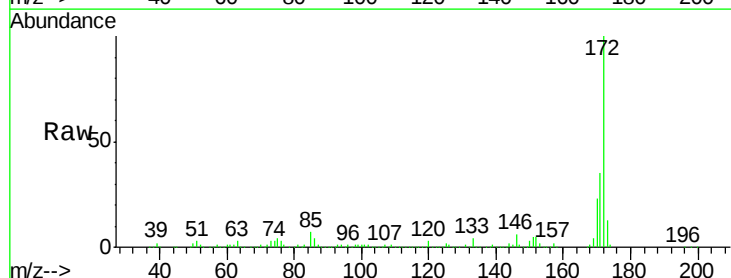


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

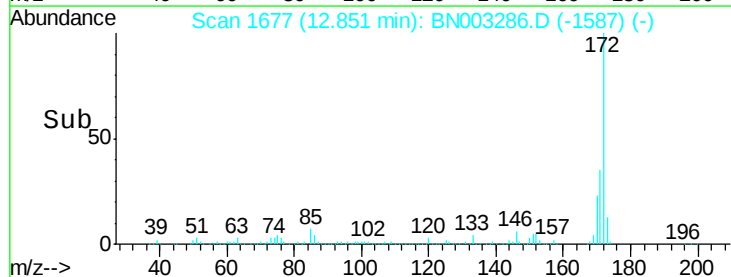
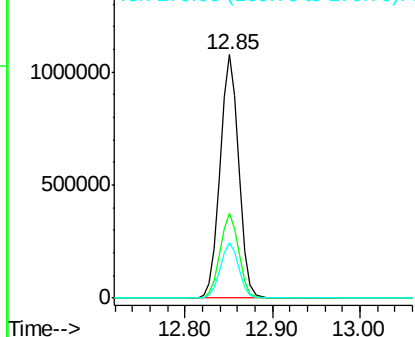


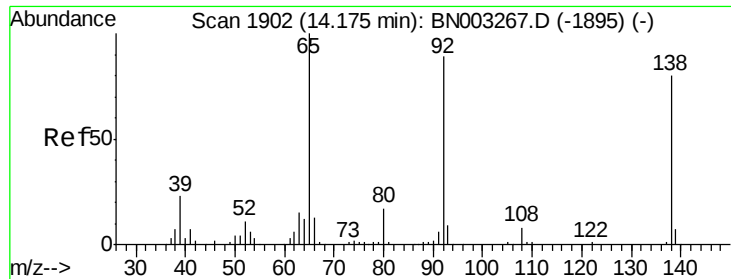
#45
 2-Fluorobiphenyl
 Concen: 79.525 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003286.D
 Acq: 24 Oct 2018 23:49

Tgt Ion:172 Resp: 1595174
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.2 42.4
 170 22.7 18.4 27.6



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





#53

3-Nitroaniline

Concen: 3.446 ng

RT: 14.20 min Scan# 1906

Delta R.T. 0.02 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

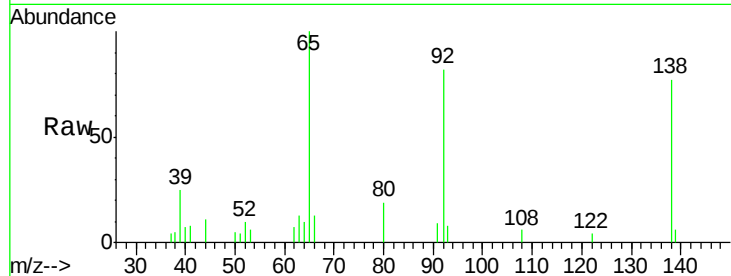
Tgt Ion:138 Resp: 18393

Ion Ratio Lower Upper

138 100

108 8.3 8.4 12.6#

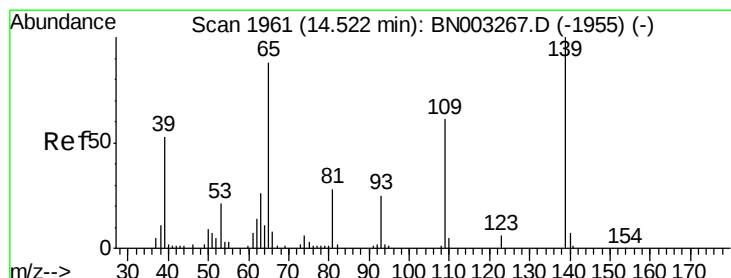
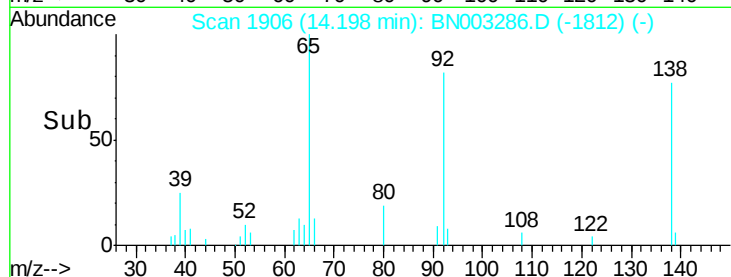
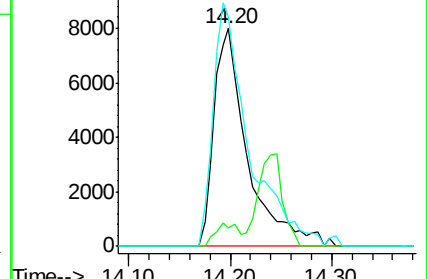
92 105.7 89.6 134.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC



#56

4-Nitrophenol

Concen: 18.851 ng

RT: 14.65 min Scan# 1982

Delta R.T. 0.12 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

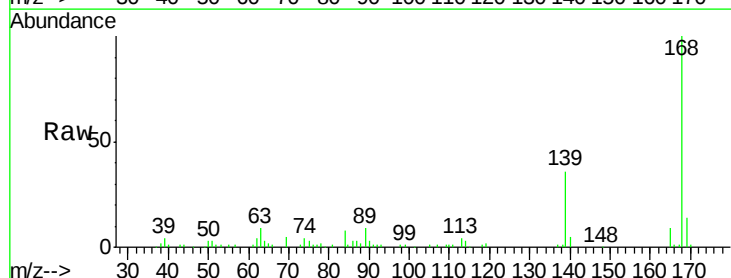
Tgt Ion:139 Resp: 55429

Ion Ratio Lower Upper

139 100

109 3.5 40.7 80.7#

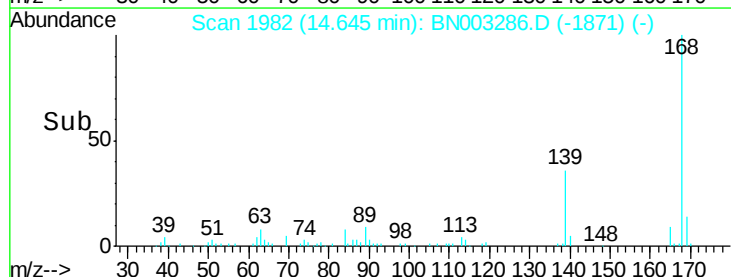
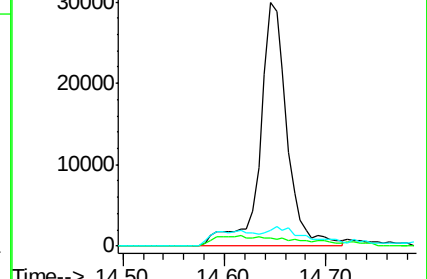
65 6.6 68.0 108.0#

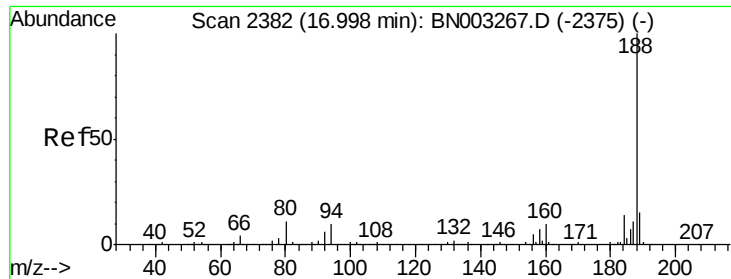


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

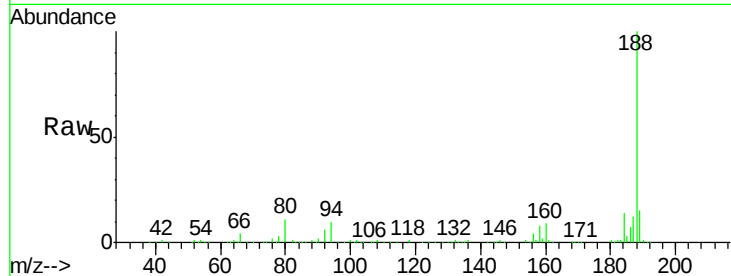
Tgt Ion:188 Resp: 638934

Ion Ratio Lower Upper

188 100

94 10.2 8.1 12.1

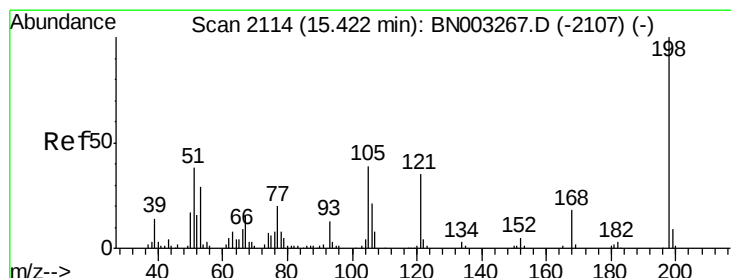
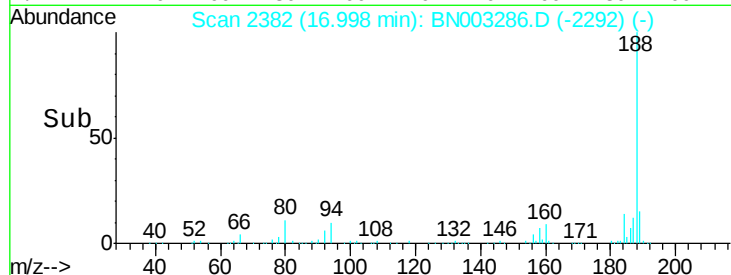
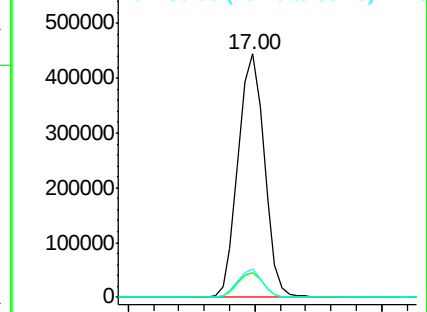
80 11.5 8.6 13.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 2.719 ng

RT: 15.45 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

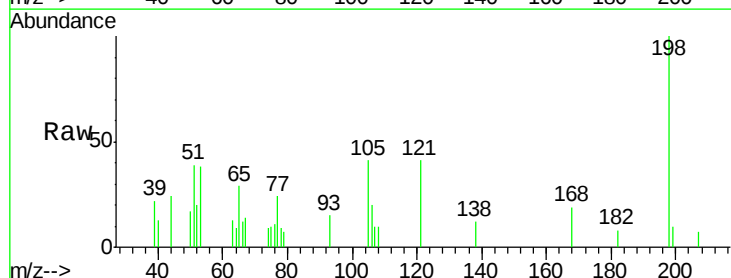
Tgt Ion:198 Resp: 12124

Ion Ratio Lower Upper

198 100

51 39.1 19.2 59.2

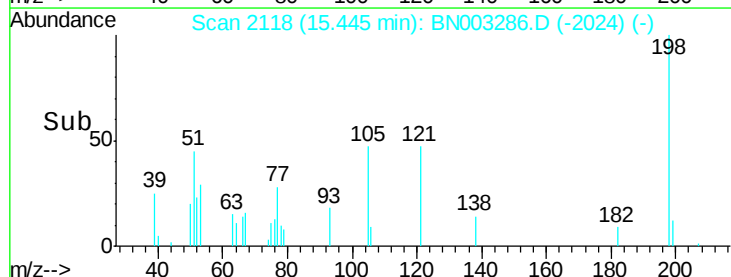
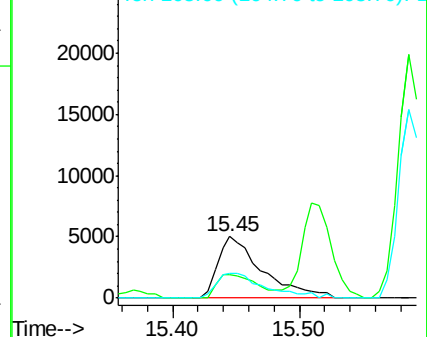
105 40.5 18.9 58.9

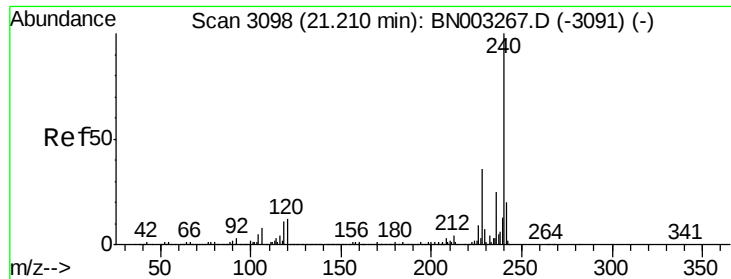


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

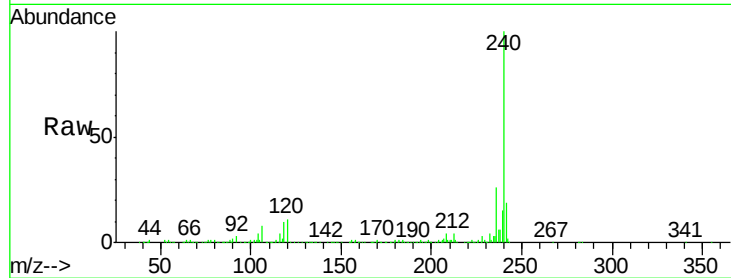
Tgt Ion:240 Resp: 725289

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.0

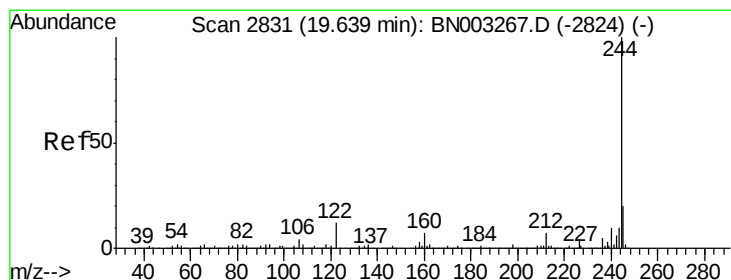
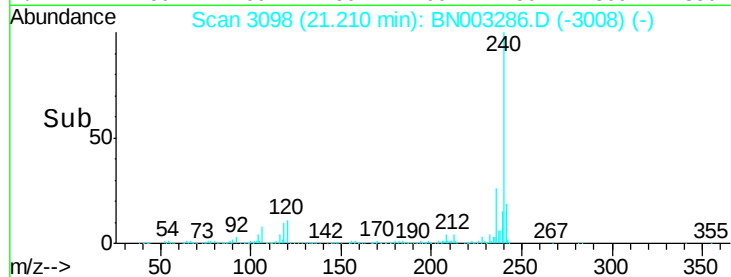
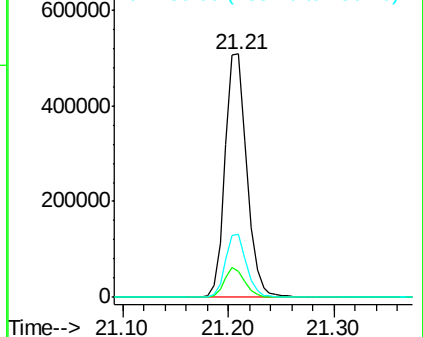
236 26.0 20.3 30.5



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



#79

Terphenyl-d14

Concen: 75.946 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003286.D

Acq: 24 Oct 2018 23:49

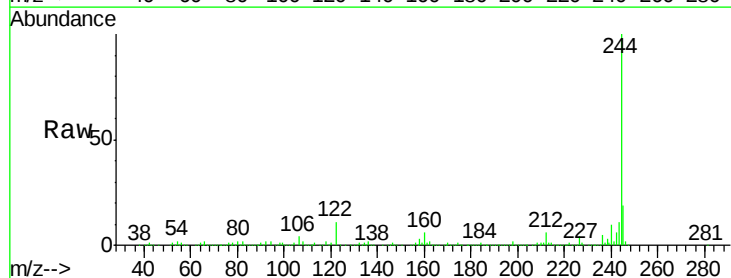
Tgt Ion:244 Resp: 2575716

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

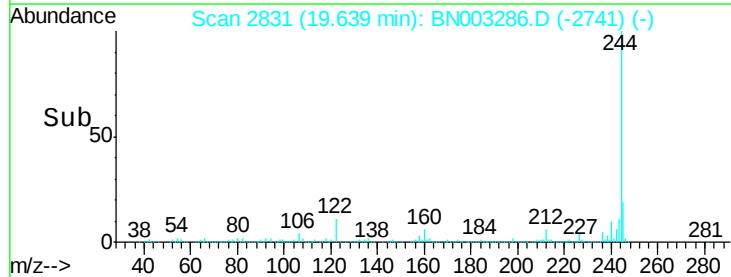
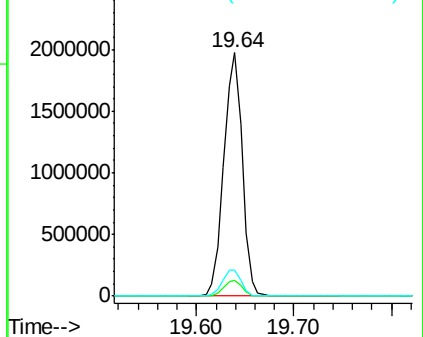
122 10.9 9.4 14.2

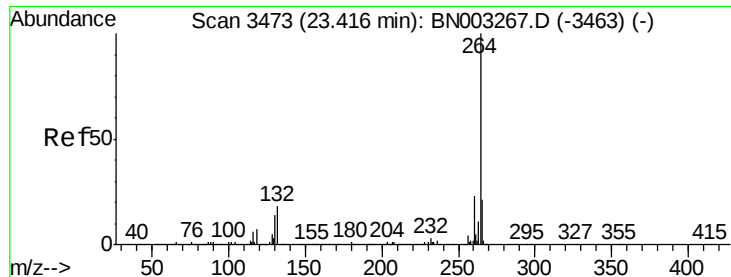


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

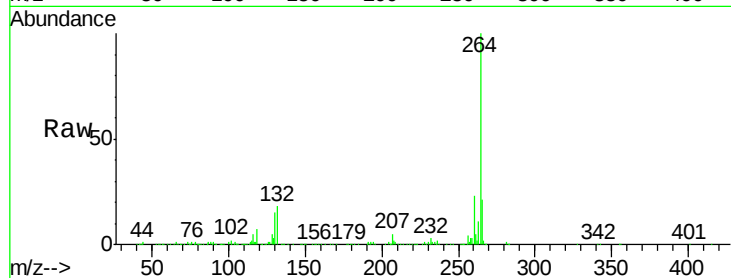




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.41 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BN003286.D
Acq: 24 Oct 2018 23:49

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.3	16.6	25.0



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

