

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
 Data File : BM017174.D
 Acq On : 18 Oct 2018 00:47
 Operator : MJ/SJ
 Sample : J5164-07
 Misc : LOD 5 PPM
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
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 10/18/2018 5:33:30 PM

Quant Time: Oct 18 13:22:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	192563	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	791816	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	458477	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1079827	20.00	ng	0.00
76) Chrysene-d12	21.26	240	1285532	20.00	ng	0.00
87) Perylene-d12	23.47	264	1329908	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1516586	133.21	ng	0.00
7) Phenol-d6	6.85	99	1994232	128.61	ng	0.00
23) Nitrobenzene-d5	8.82	82	1174484	86.75	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	865265	139.55	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2856989	82.91	ng	0.00
79) Terphenyl-d14	19.70	244	4568412	80.10	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.27	88	22527	3.875	ng	# 80
3) Pyridine	3.66	79	64833	4.847	ng	# 80
4) n-Nitrosodimethylamine	3.57	42	28555	5.317	ng	# 72
32) Benzoic acid	9.70	122	23368m	3.168	ng	
33) 4-Chloroaniline	10.62	127	54470	3.250	ng	# 95
35) Caprolactam	11.39	113	13676	3.269	ng	96
53) 3-Nitroaniline	14.23	138	25595	3.036	ng	99
56) 4-Nitrophenol	14.54	139	21946	7.404	ng	81
65) 4,6-Dinitro-2-methylphenol	15.45	198	18750	9.312	ng	89

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

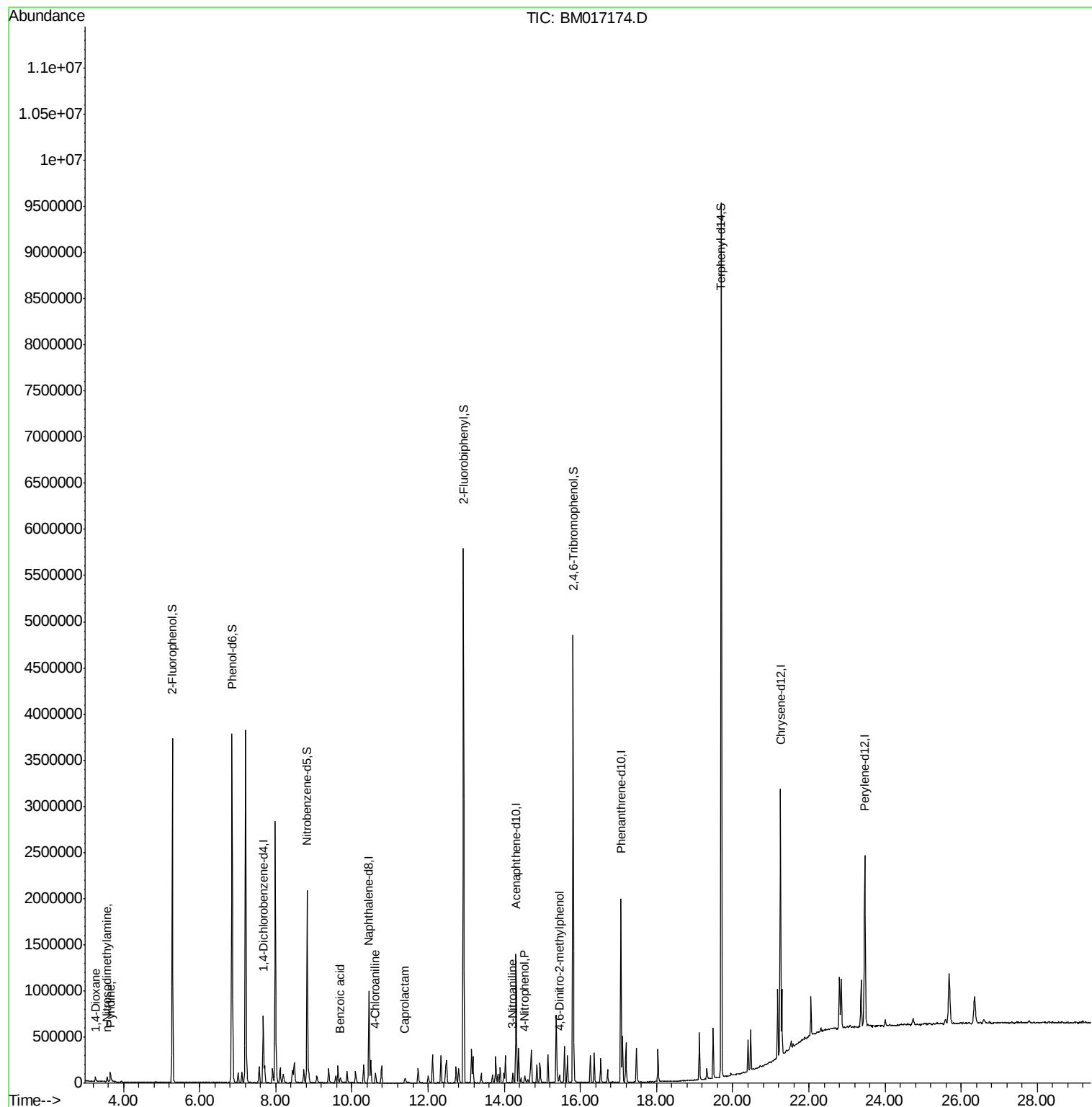
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
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Acq On : 18 Oct 2018 00:47
Operator : MJ/SJ
Sample : J5164-07
Misc : LOD 5 PPM
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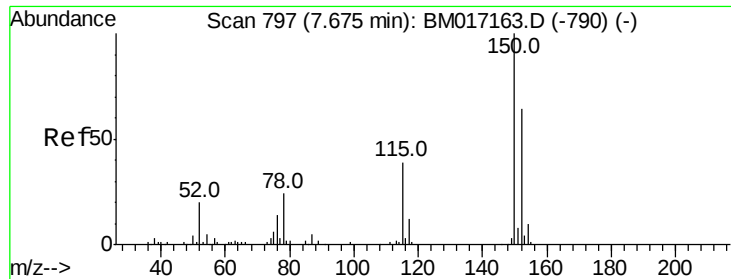
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

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#1

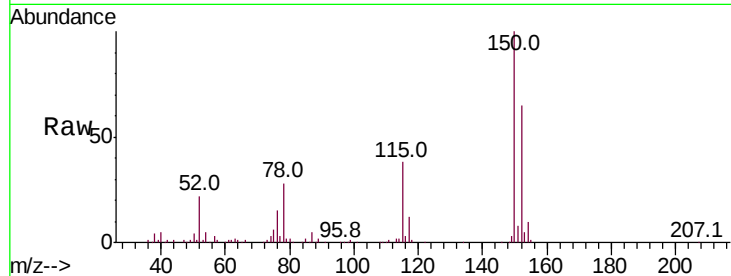
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 797
Delta R.T. -0.00 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	59.0	48.1	72.1

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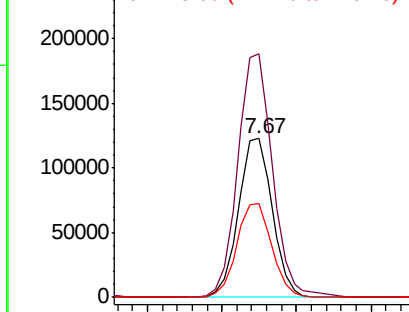


Abundance

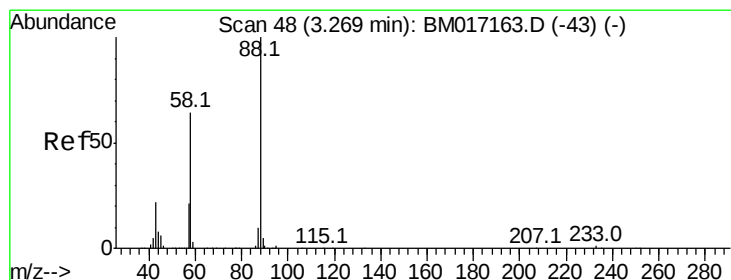
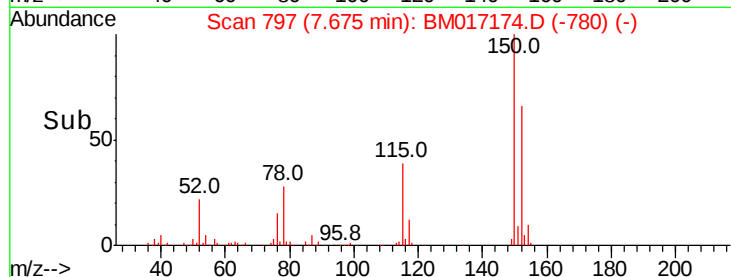
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



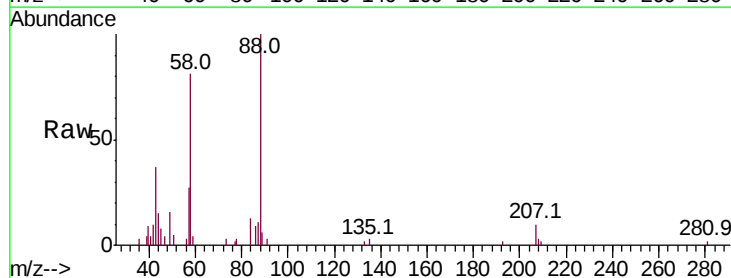
Time-->



#2

1,4-Dioxane
Concen: 3.875 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.0	50.2	75.4#
43	29.7	19.3	28.9#

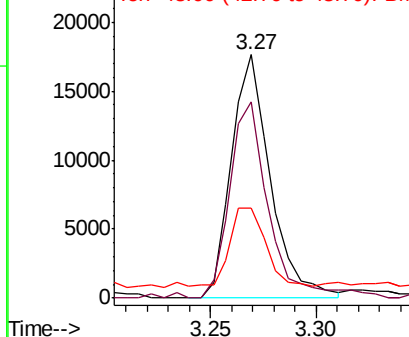


Abundance

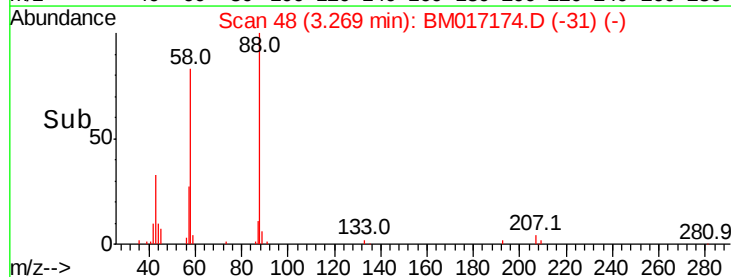
Ion 88.00 (87.70 to 88.70): BM0

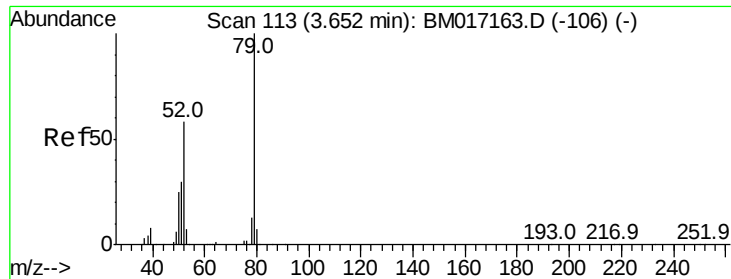
Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



Time-->





#3

Pvridine

Concen: 4.847 ng

RT: 3.66 min Scan# 114

Delta R.T. 0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Instrument :

BNA_M

ClientSampleId :

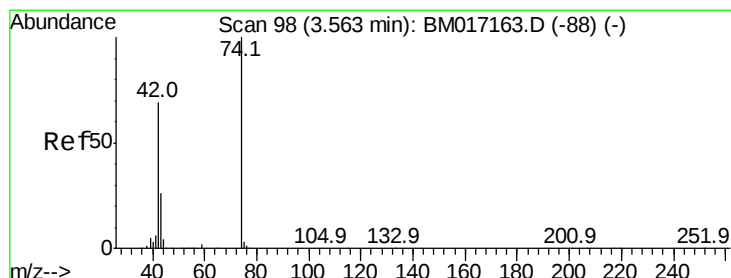
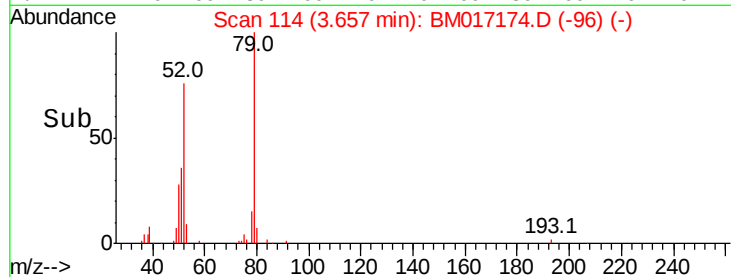
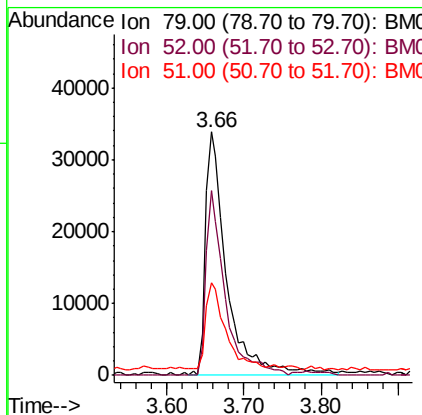
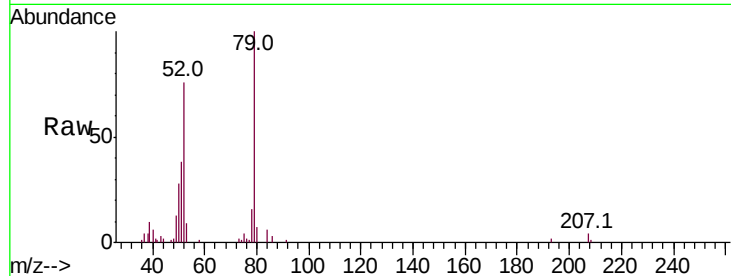
LOD-MDL-WATER-01-QT4-2018

Tot Ion: 79 Resp: 64833

Ion	Ratio	Lower	Upper
79	100		
52	76.1	46.5	69.7#
51	38.1	24.6	37.0#

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#4

n-Nitrosodimethylamine

Concen: 5.317 ng

RT: 3.57 min Scan# 99

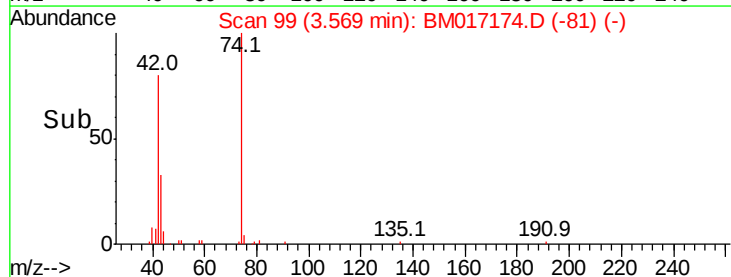
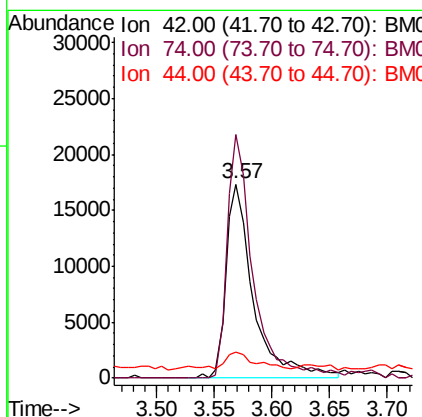
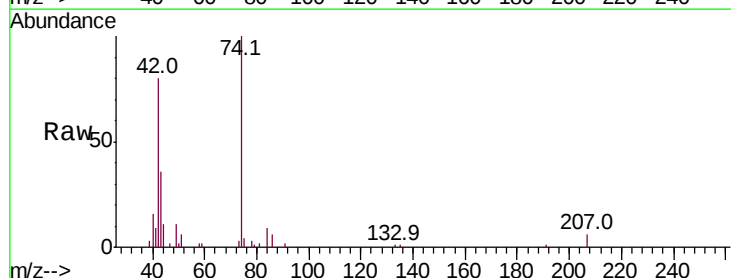
Delta R.T. 0.01 min

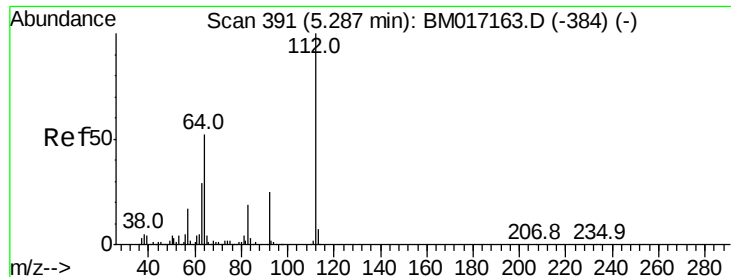
Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Tgt Ion: 42 Resp: 28555

Ion	Ratio	Lower	Upper
42	100		
74	125.6	114.4	171.6
44	13.6	48.6	73.0#





#5

2-Fluorophenol

Concen: 133.206 ng

RT: 5.29 min Scan# 391

Delta R.T. 0.00 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:112 Resp: 1516586

Ion Ratio Lower Upper

112 100

64 58.8 41.7 62.5

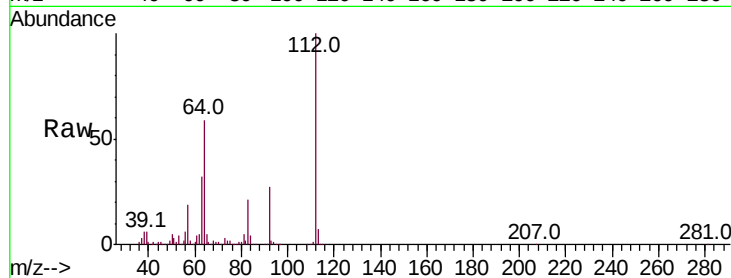
63 31.8 23.0 34.4

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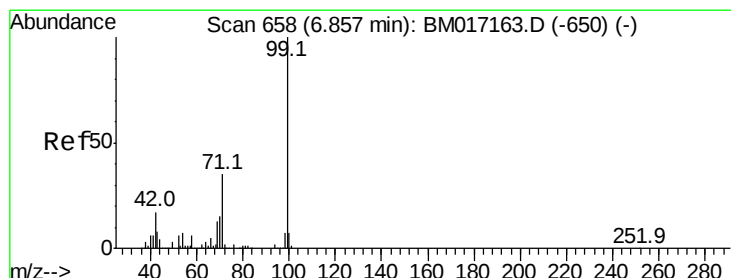
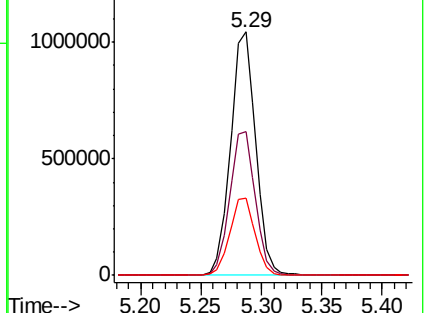
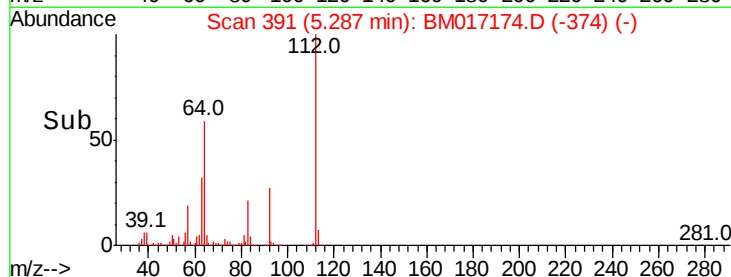
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 128.610 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

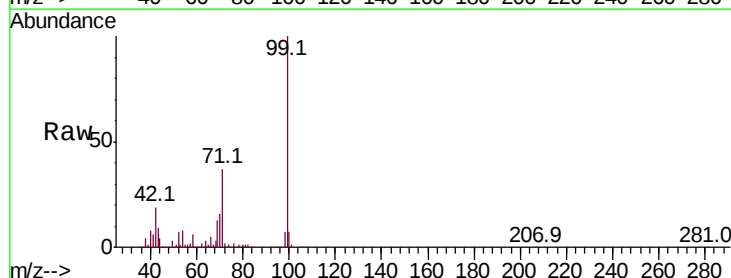
Tgt Ion: 99 Resp: 1994232

Ion Ratio Lower Upper

99 100

42 18.6 13.3 19.9

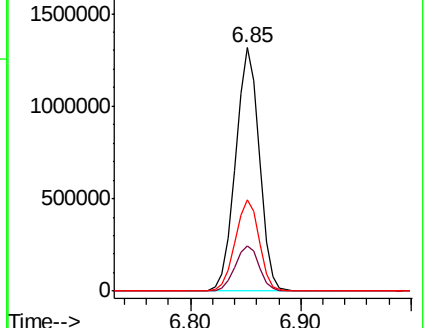
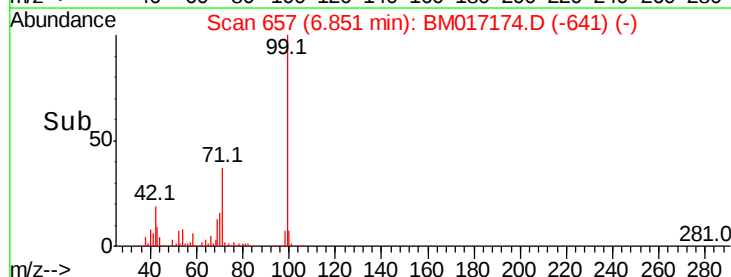
71 37.4 28.0 42.0

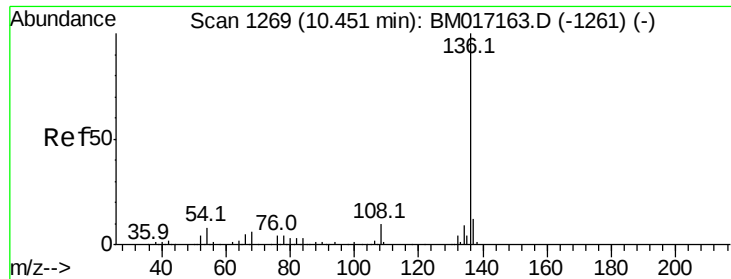


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





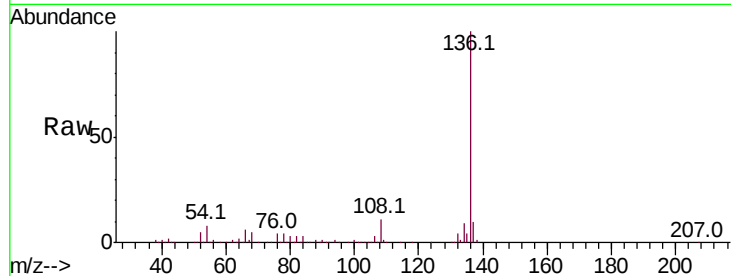
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

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

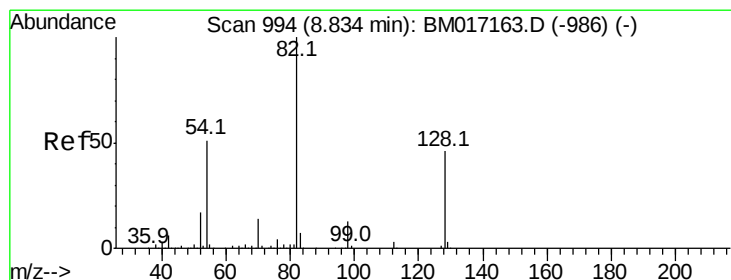
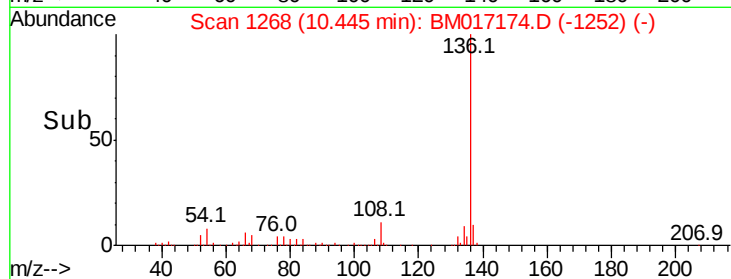
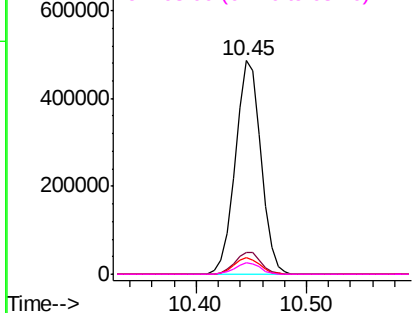
Tot Ion	Ratio	Resp	Lower	Upper
136	100	791816		
137	10.5		9.2	13.8
54	7.9		6.7	10.1
68	5.3		4.7	7.1

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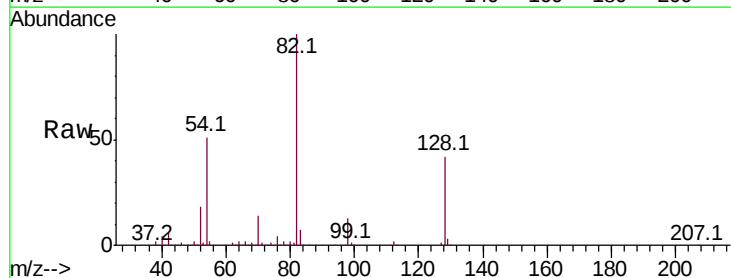


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

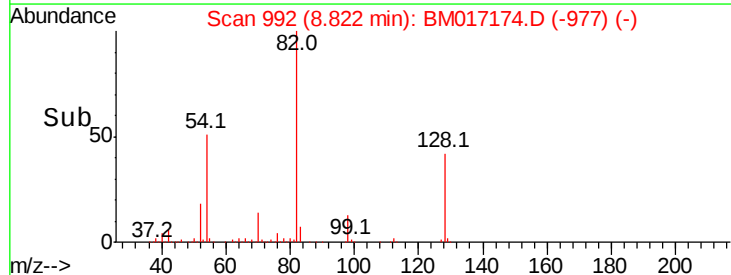
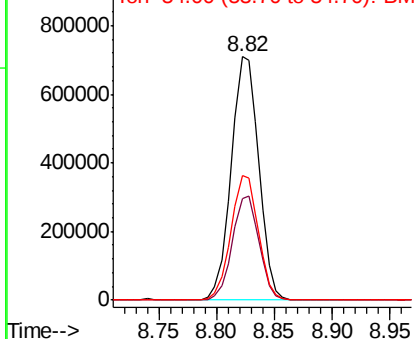


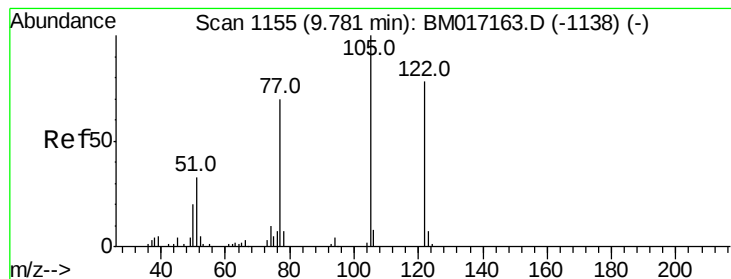
#23
Nitrobenzene-d5
Concen: 86.751 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1174484		
128	41.6		37.0	55.6
54	51.3		40.7	61.1



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#32

Benzoic acid

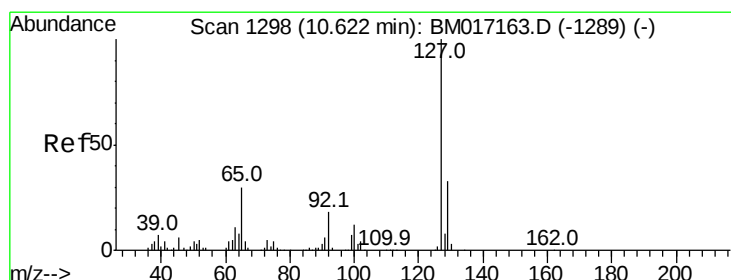
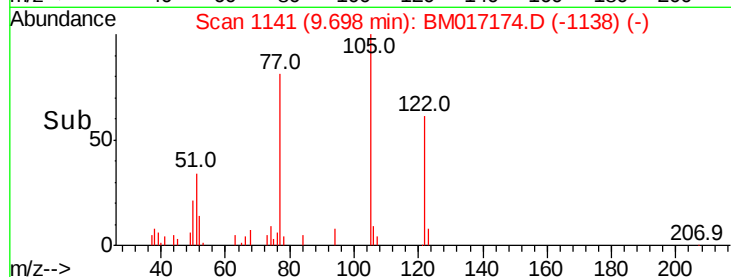
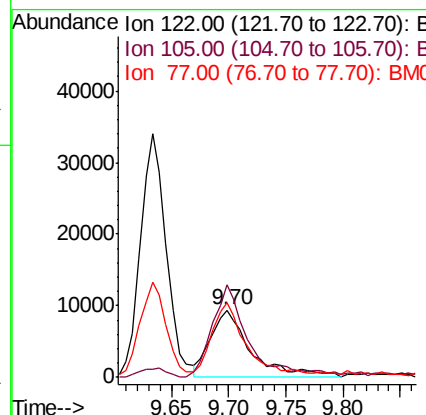
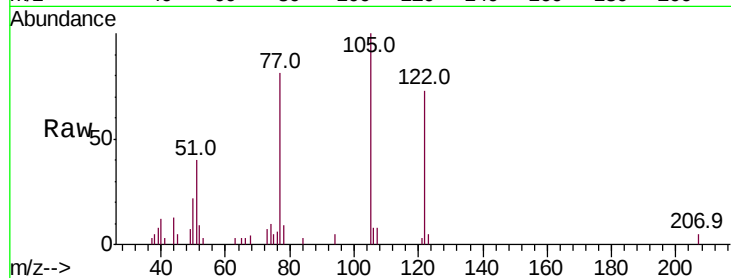
Concen: 3.168 ng m
RT: 9.70 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
122	100		
105	137.5	102.0	142.0
77	111.1	67.7	107.7

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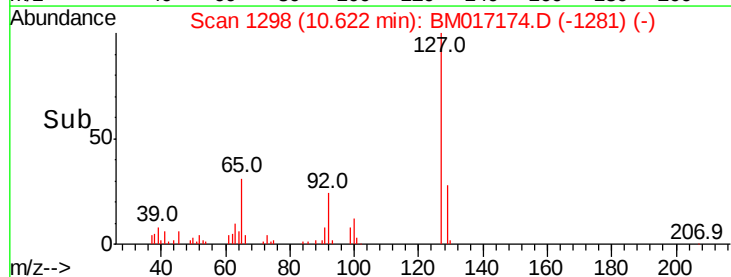
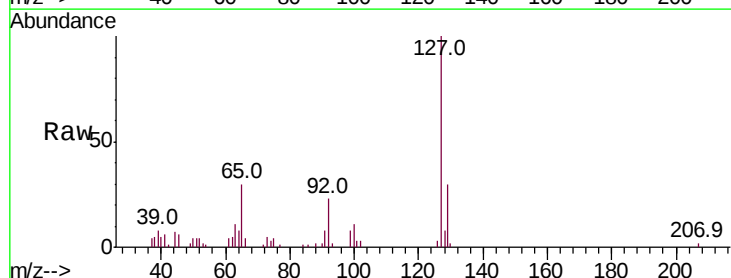
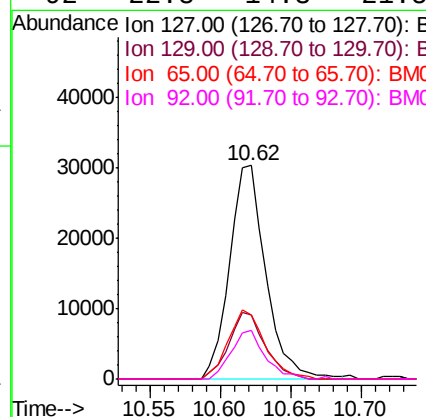


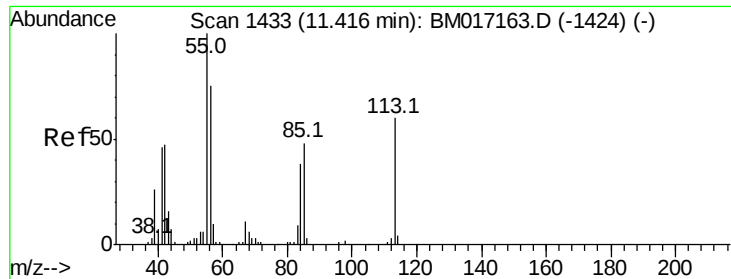
#33

4-Chloroaniline

Concen: 3.250 ng
RT: 10.62 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BM017174.D
Acq: 18 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.9	26.2	39.4
65	30.2	23.7	35.5
92	22.8	14.3	21.5





#35

Caprolactam

Concen: 3.269 ng

RT: 11.39 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:113 Resp: 13676

Ion Ratio Lower Upper

113 100

55 159.5 147.0 187.0

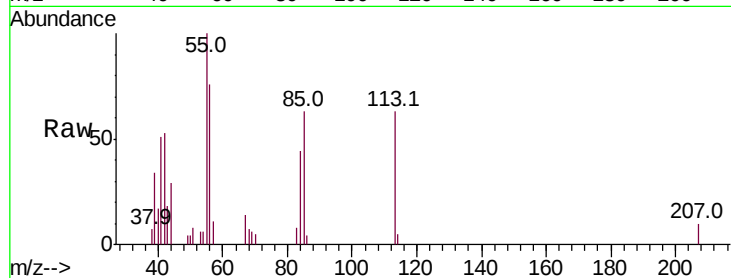
56 121.4 104.5 144.5

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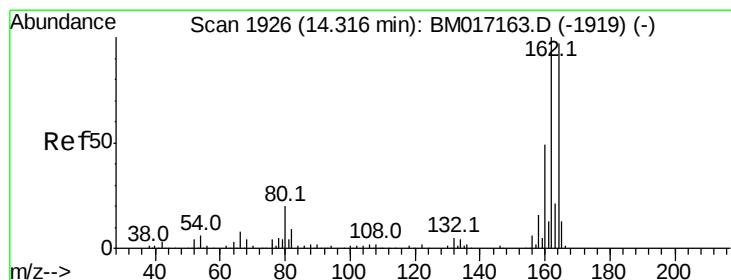
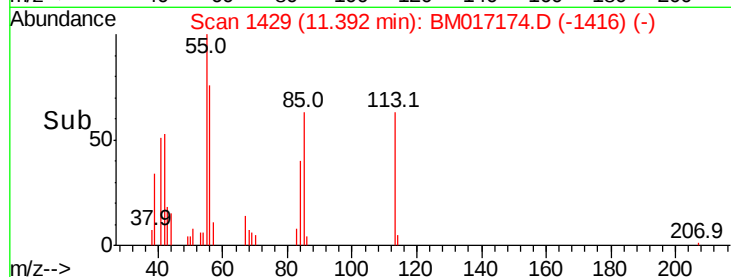
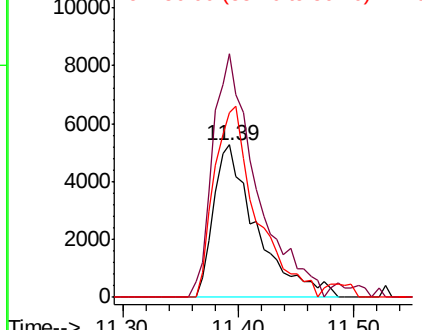
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

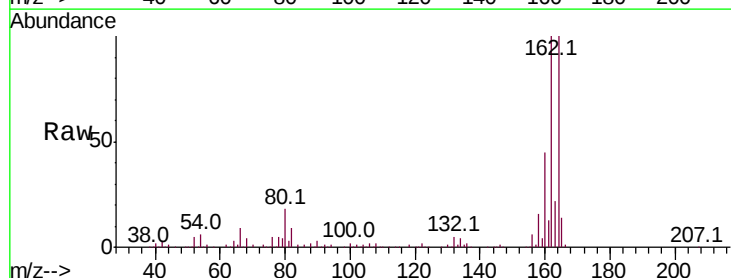
Tgt Ion:164 Resp: 458477

Ion Ratio Lower Upper

164 100

162 100.0 82.1 123.1

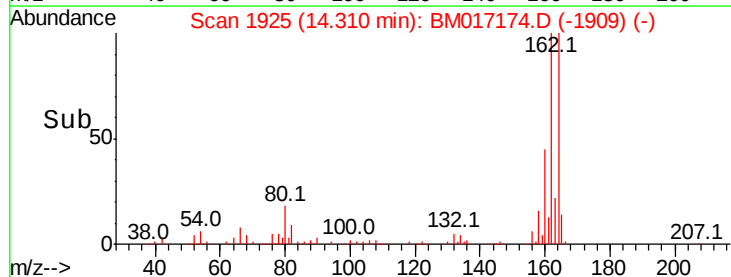
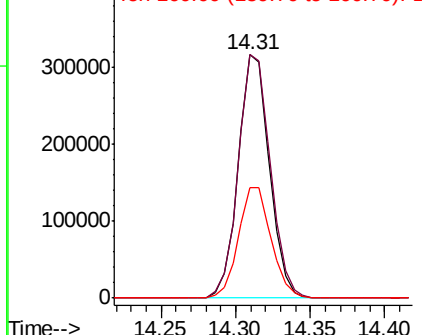
160 45.4 40.2 60.2

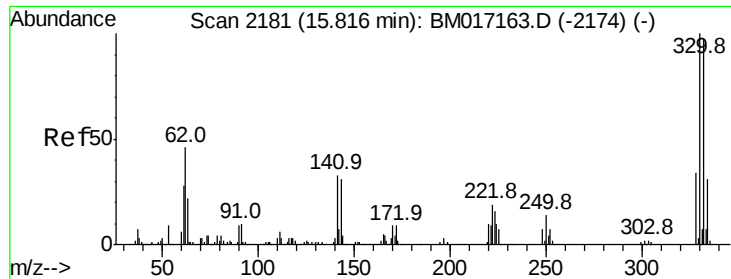


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





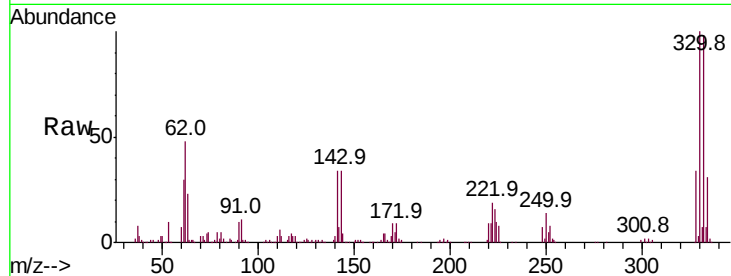
#42
 2,4,6-Tribromophenol
 Concen: 139.554 ng
 RT: 15.81 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BM017174.D
 Acq: 18 Oct 2018 00:47

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.3	115.9	
141	35.7	27.4	41.0	

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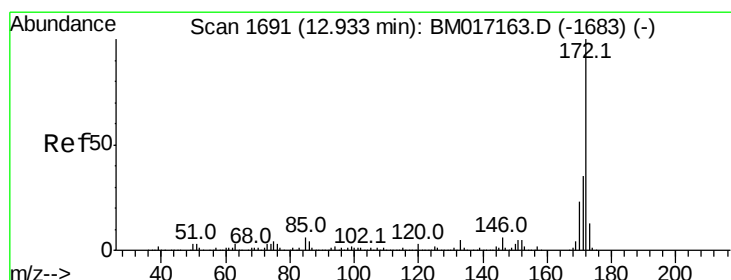
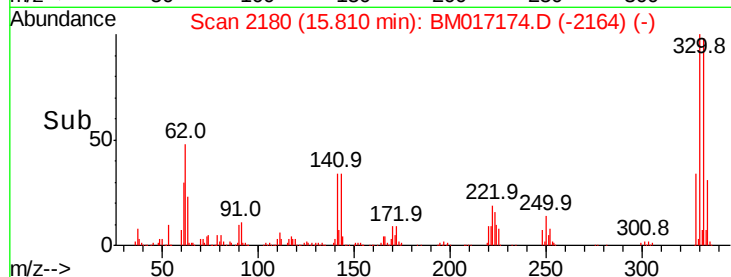
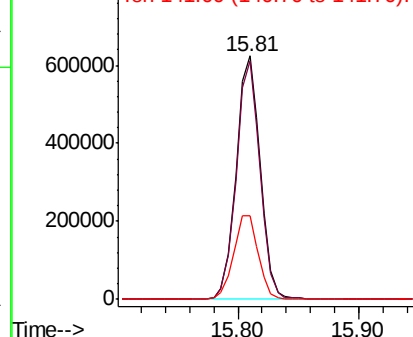


Abundance

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: 82.912 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM017174.D
 Acq: 18 Oct 2018 00:47

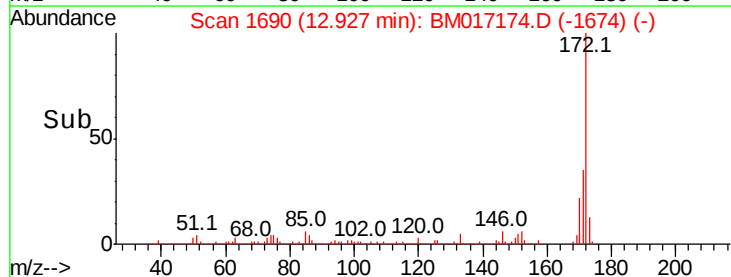
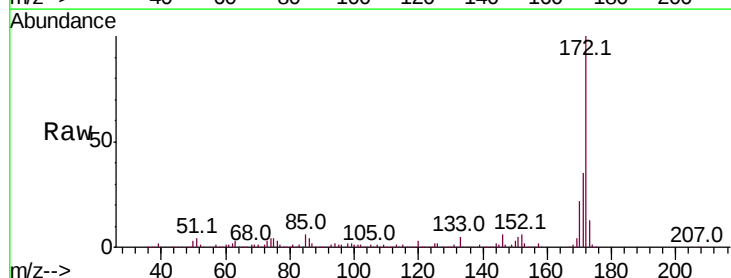
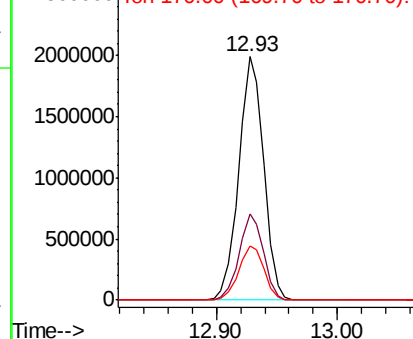
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	28.3	42.5	
170	22.4	18.3	27.5	

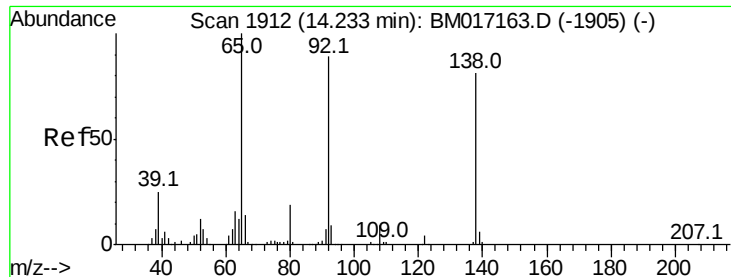
Abundance

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





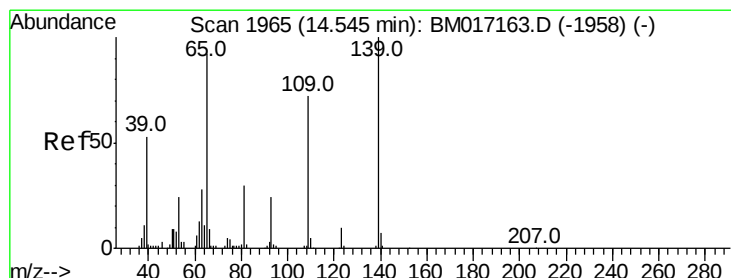
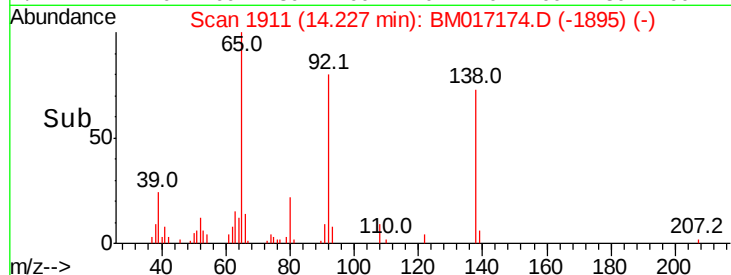
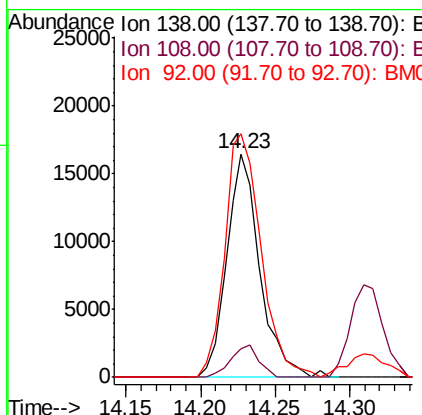
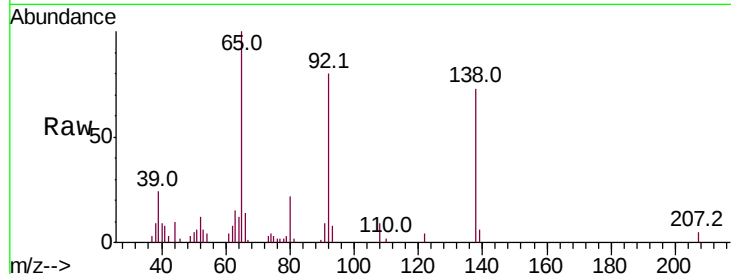
#53
 3-Nitroaniline
 Concen: 3.036 ng
 RT: 14.23 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: BM017174.D
 Acq: 18 Oct 2018 00:47

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

Tot Ion	Ratio	Resp	Lower	Upper
138	100	25595		
108	12.6		8.7	13.1
92	108.9		87.9	131.9

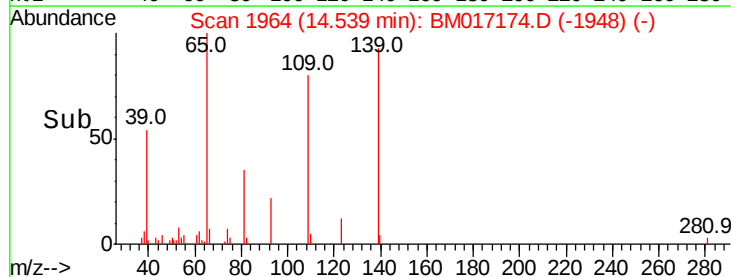
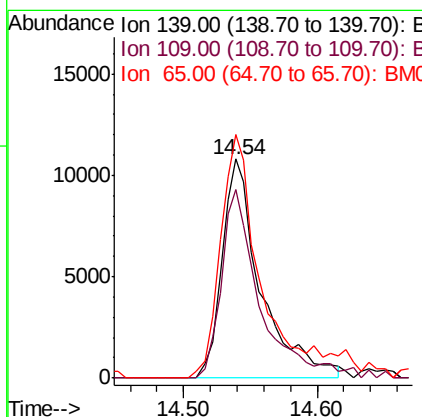
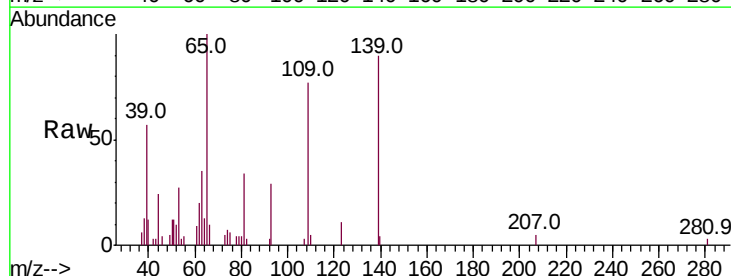
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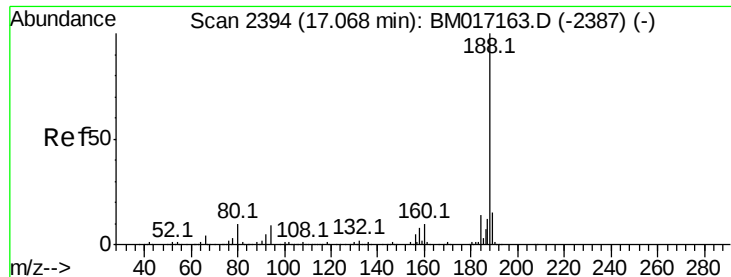
Sohil
 10/18/2018 5:33:30 PM



#56
 4-Nitrophenol
 Concen: 7.404 ng
 RT: 14.54 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BM017174.D
 Acq: 18 Oct 2018 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	21946		
109	86.1		51.8	91.8
65	111.3		72.1	112.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:188 Resp: 1079827

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

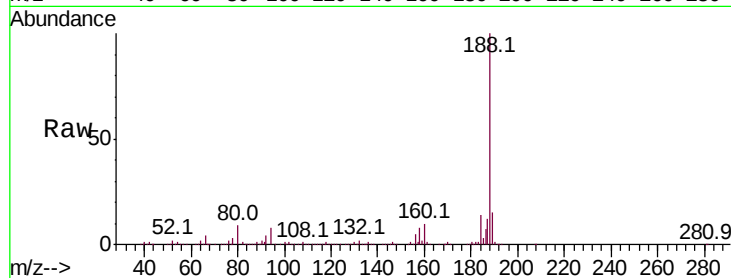
80 9.1 7.7 11.5

Manual Integrations

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Sohil

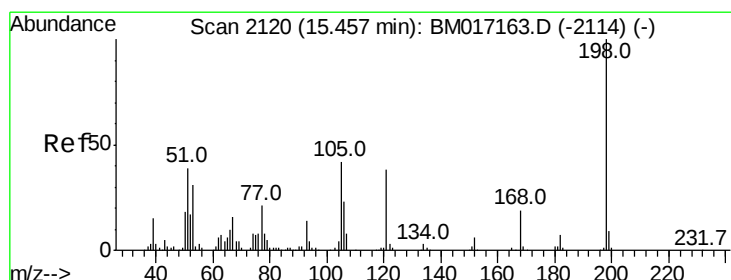
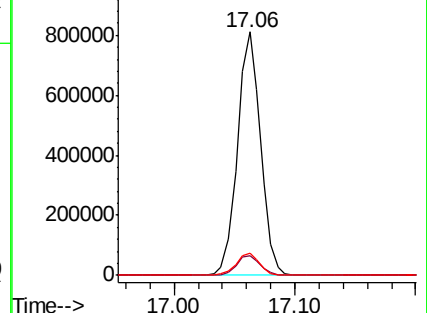
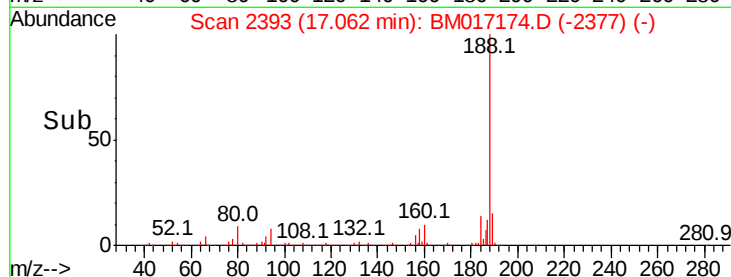
10/18/2018 5:33:30 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#65

4,6-Dinitro-2-methylphenol

Concen: 9.312 ng

RT: 15.45 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

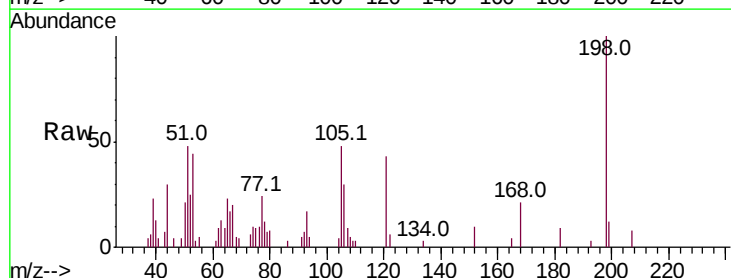
Tgt Ion:198 Resp: 18750

Ion Ratio Lower Upper

198 100

51 47.9 20.3 60.3

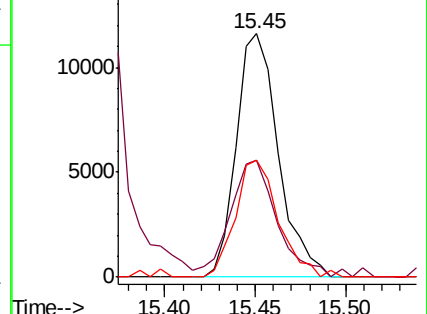
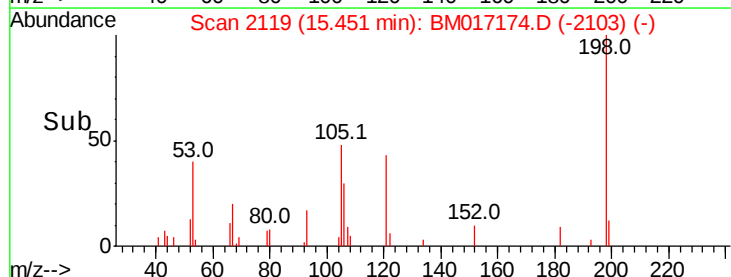
105 48.0 21.9 61.9

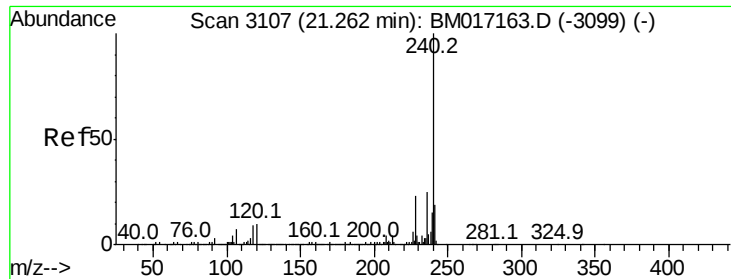


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM017174.D

Acq: 18 Oct 2018 00:47

Instrument :

BNA_M

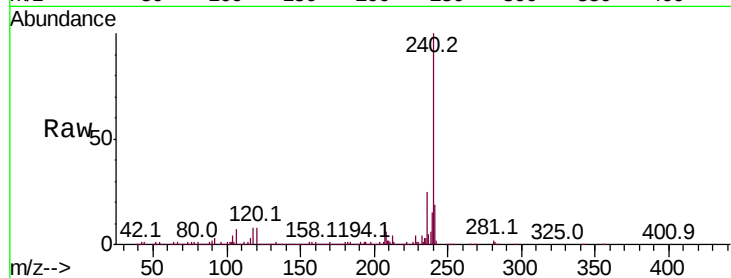
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

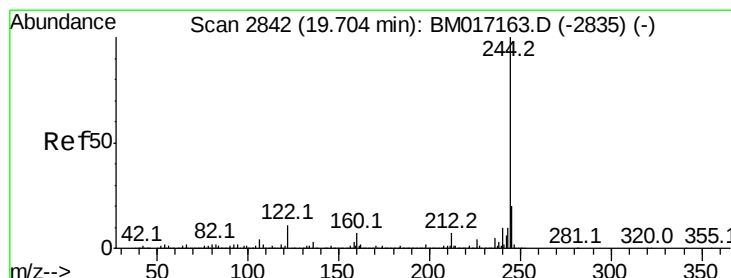
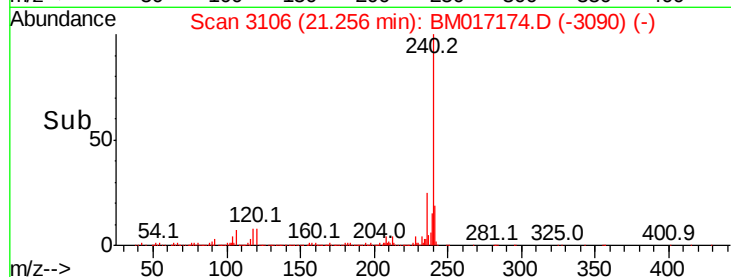
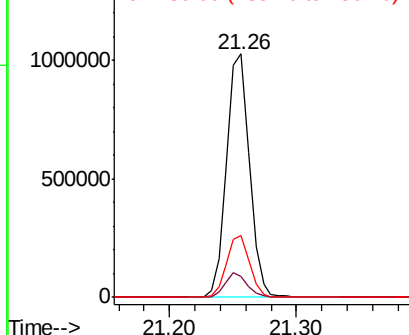
Tot Ion:	240	Resp:	1285532
Ion Ratio	Lower	Upper	
240	100		
120	8.5	8.1	12.1
236	25.2	19.9	29.9

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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: 80.101 ng

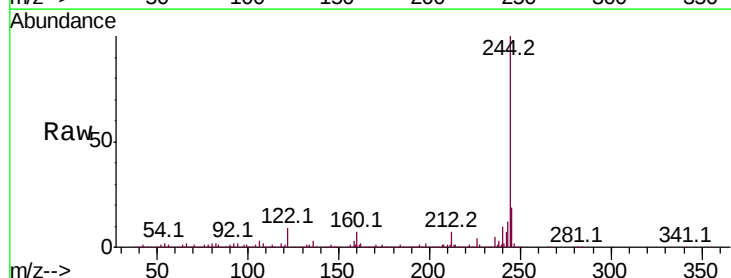
RT: 19.70 min Scan# 2842

Delta R.T. -0.00 min

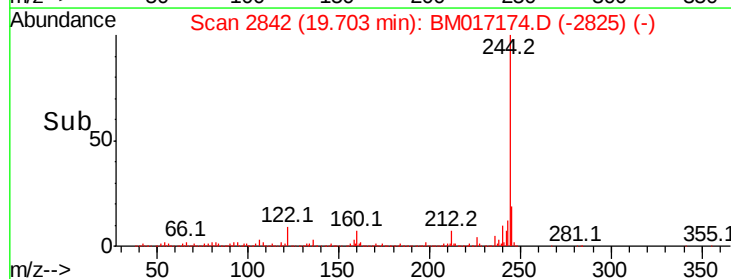
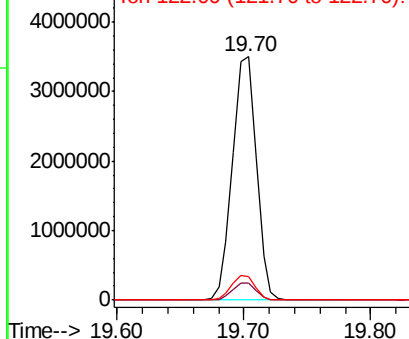
Lab File: BM017174.D

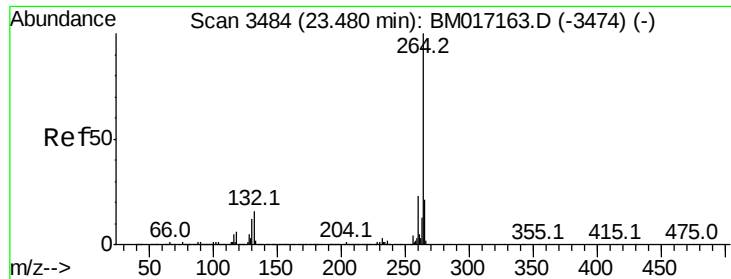
Acq: 18 Oct 2018 00:47

Tgt Ion:	244	Resp:	4568412
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.5	8.3
122	9.5	8.4	12.6



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





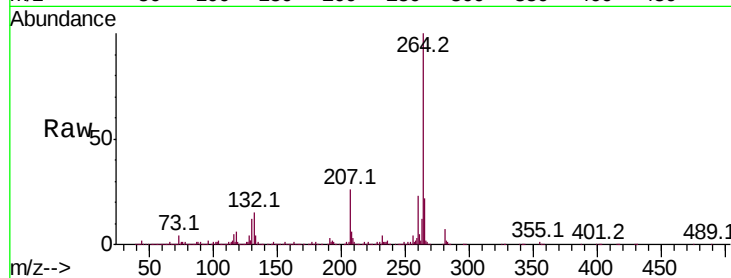
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.47 min Scan# 3482
 Delta R.T. -0.01 min
 Lab File: BM017174.D
 Acq: 18 Oct 2018 00:47

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	22.3	17.8	26.8

Manual Integrations
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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

