

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014178.D
 Acq On : 08 Feb 2018 01:29
 Operator : SJ/JU
 Sample : J1161-07
 Misc : LOD 5 PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Manual Integrations
 APPROVED

Sohil
 2/8/2018 3:50:43 PM

Quant Time: Feb 08 12:18:24 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	79435	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	360631	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	244909	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	631746	20.00	ng	0.00
75) Chrysene-d12	21.16	240	747953	20.00	ng	0.00
86) Perylene-d12	23.34	264	694943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	625875	137.33	ng	0.00
7) Phenol-d6	6.73	99	855549	132.55	ng	0.00
23) Nitrobenzene-d5	8.70	82	769467	95.31	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	496816	142.96	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	1795603	91.52	ng	0.00
78) Terphenyl-d14	19.60	244	3339969	87.25	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	9079	4.85	ng	Qvalue # 100
3) Pyridine	3.54	79	19274	3.72	ng	90
4) n-Nitrosodimethylamine	3.46	42	14168	4.29	ng	# 51
32) Benzoic acid	9.65	122	8773m	8.04	ng	
33) 4-Chloroaniline	10.52	127	26816	3.27	ng	# 86
35) Caprolactam	11.30	113	5768m	3.02	ng	
52) 3-Nitroaniline	14.15	138	15290	3.29	ng	# 58
55) 4-Nitrophenol	14.52	139	6551m	7.44	ng	
64) 4,6-Dinitro-2-methylphenol	15.39	198	10315	7.68	ng	80

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

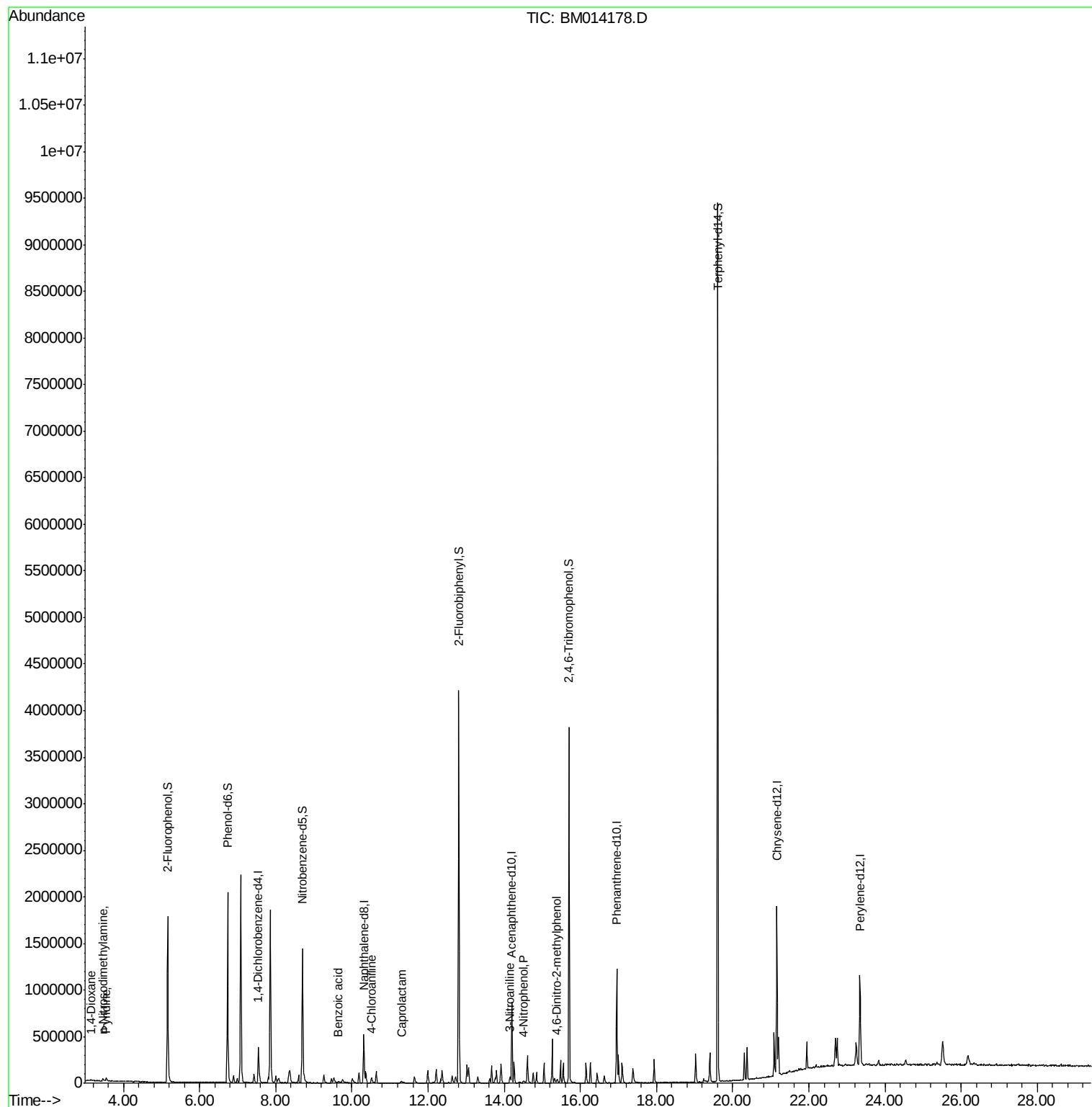
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
Data File : BM014178.D
Acq On : 08 Feb 2018 01:29
Operator : SJ/JU
Sample : J1161-07
Misc : LOD 5 PPM
ALS Vial : 14 Sample Multiplier: 1

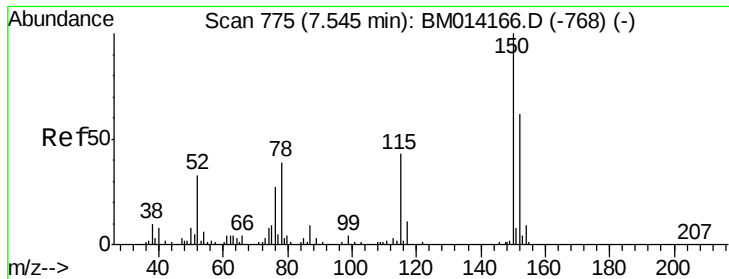
Instrument :
BNA_M
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LOD-MDL-WATER-01-QT1-2018

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#1

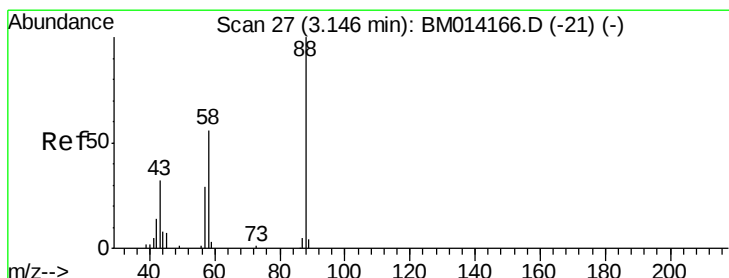
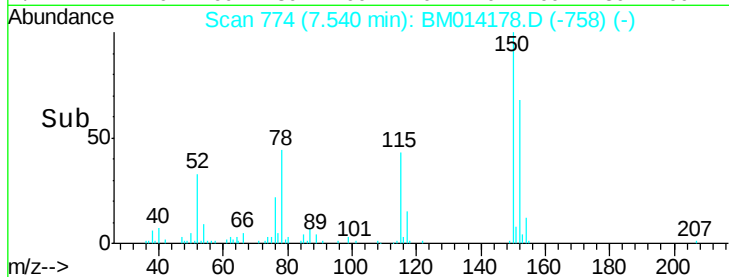
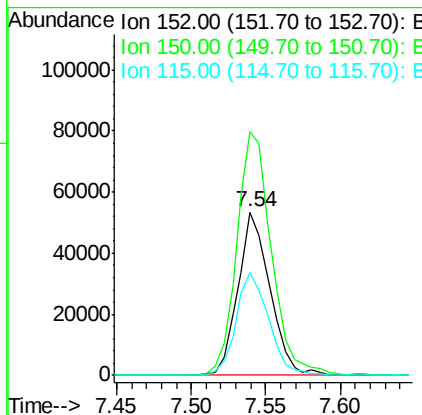
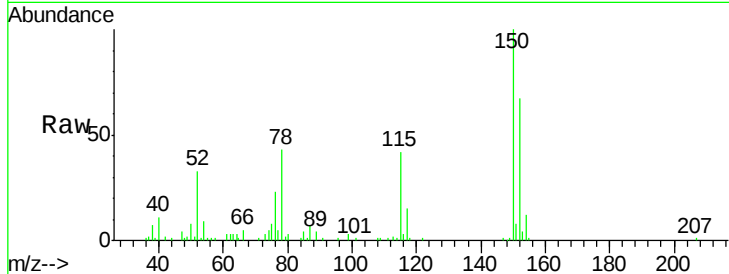
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.9	119.5	179.3
115	63.0	43.0	64.4

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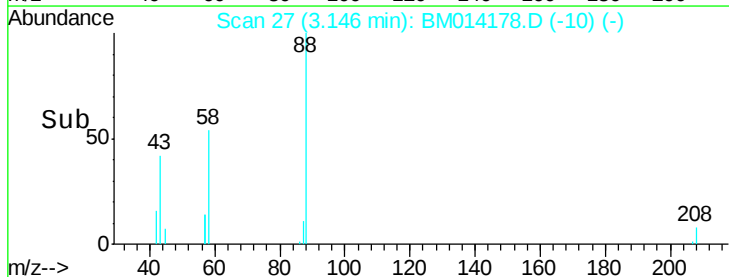
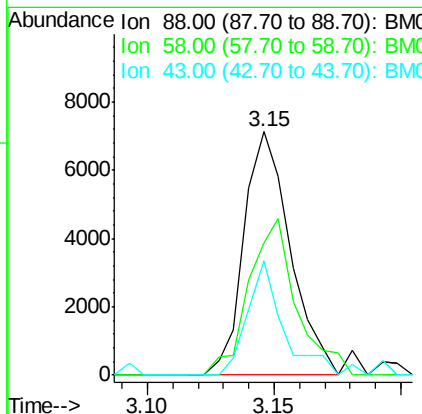
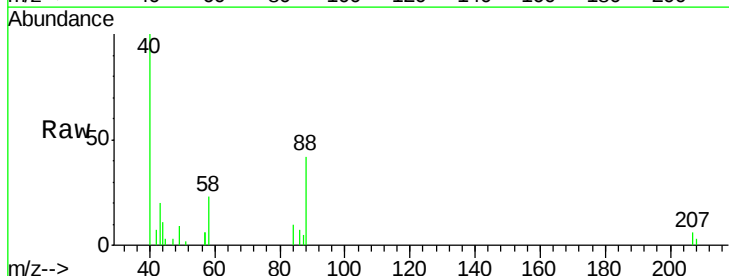
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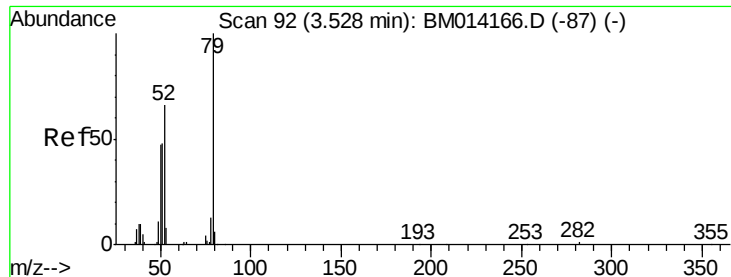


#2

1,4-Dioxane
Concen: 4.85 ng
RT: 3.15 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.0	0.0	0.0#
43	37.2	0.0	0.0#





#3

Pyridine

Concen: 3.72 ng

RT: 3.54 min Scan# 94

Delta R.T. 0.01 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Instrument :

BNA_M

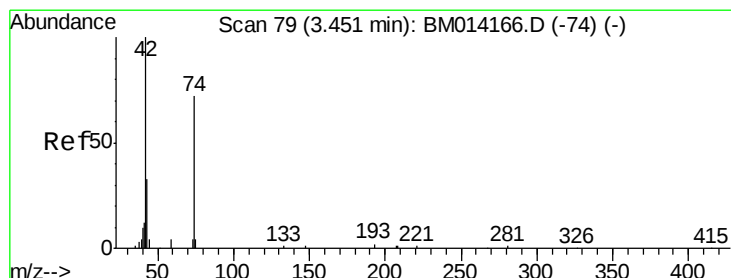
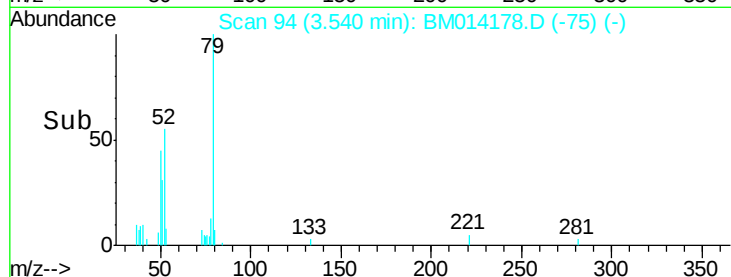
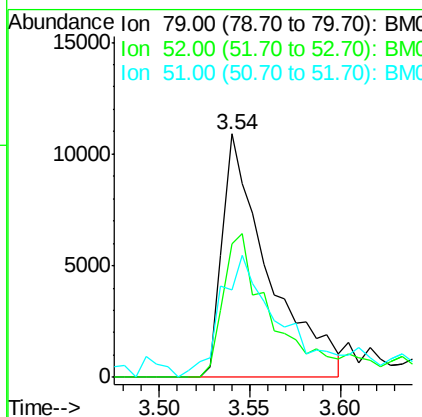
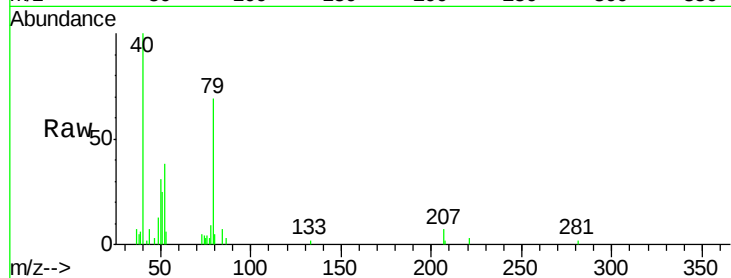
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tgt Ion:	79	Resp:	19274
Ion Ratio	Lower	Upper	
79	100		
52	54.7	51.1	76.7
51	36.0	26.1	39.1

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#4

n-Nitrosodimethylamine

Concen: 4.29 ng

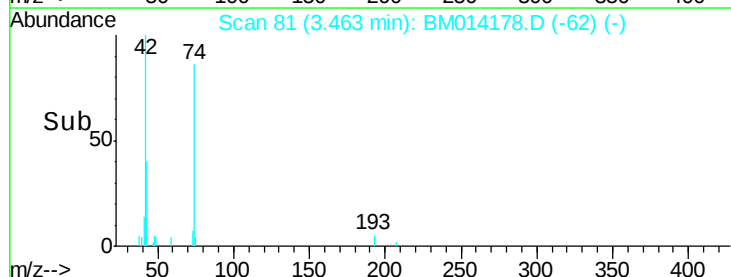
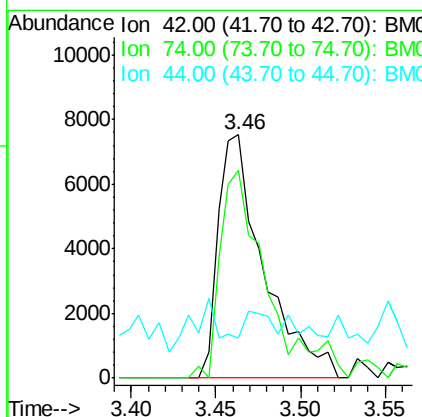
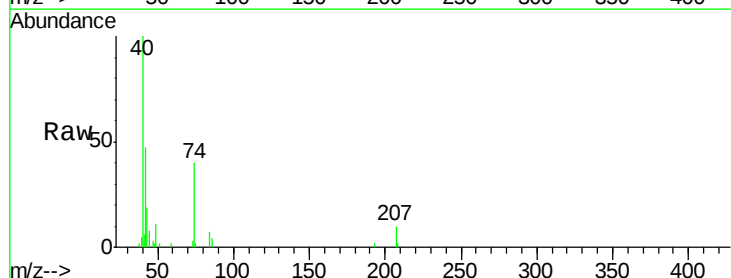
RT: 3.46 min Scan# 81

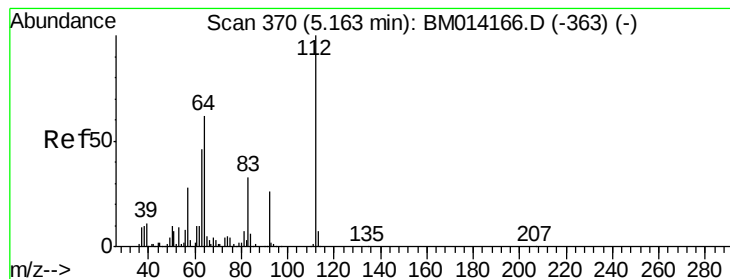
Delta R.T. 0.01 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Tgt Ion:	42	Resp:	14168
Ion Ratio	Lower	Upper	
42	100		
74	85.6	119.3	178.9#
44	16.3	5.4	8.2#





#5

2-Fluorophenol

Concen: 137.33 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 112 Resp: 625875

Ion Ratio Lower Upper

112 100

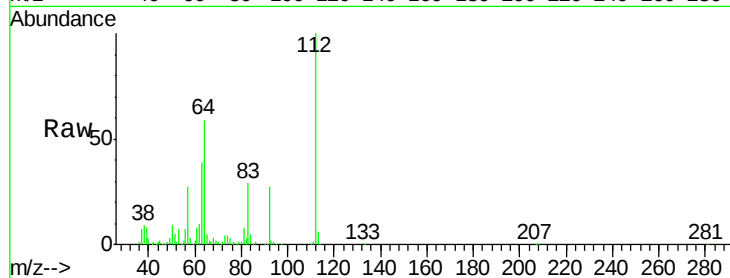
64 58.6 38.6 57.8#

63 38.7 19.3 28.9#

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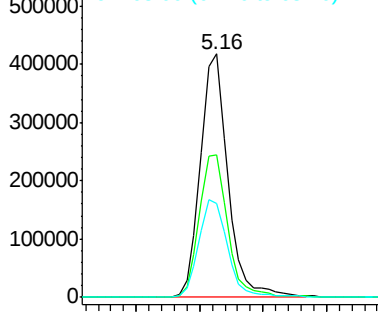
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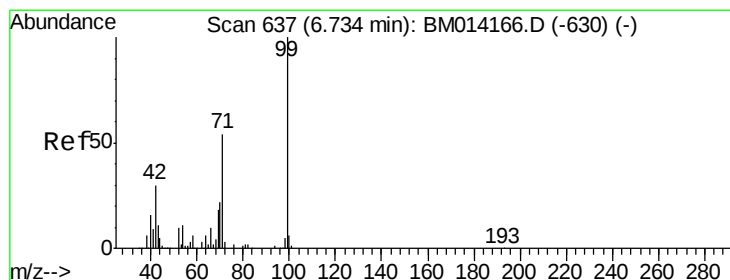
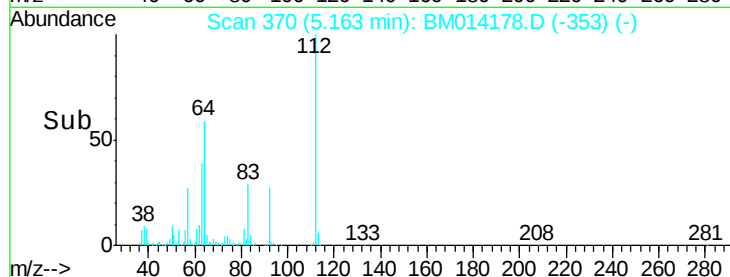
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->



#7

Phenol-d6

Concen: 132.55 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

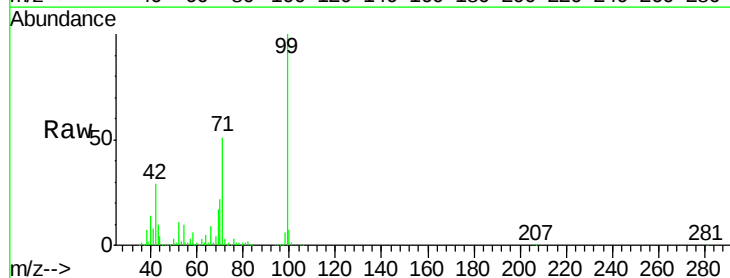
Tgt Ion: 99 Resp: 855549

Ion Ratio Lower Upper

99 100

42 29.0 11.0 16.4#

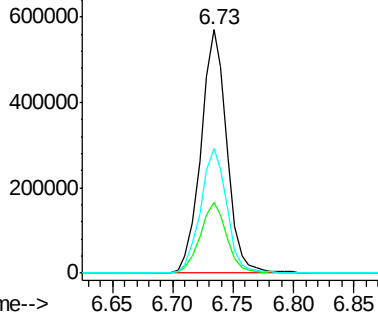
71 51.3 23.4 35.2#



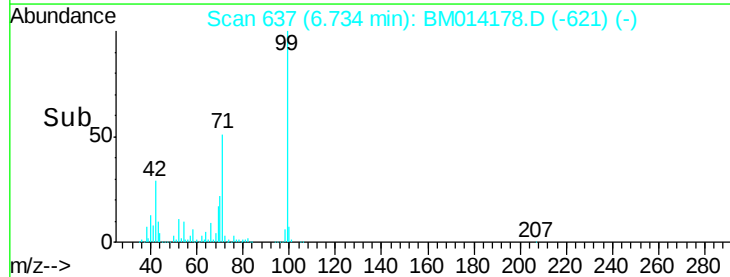
Abundance Ion 99.00 (98.70 to 99.70): BM0

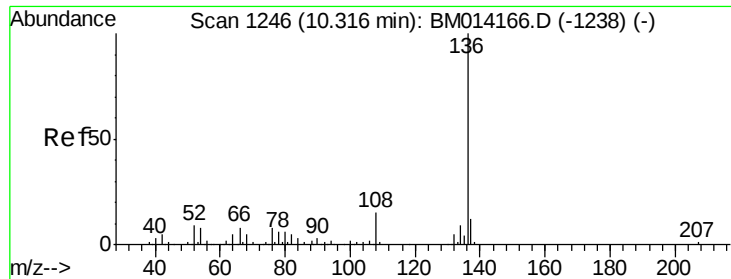
Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



Time-->





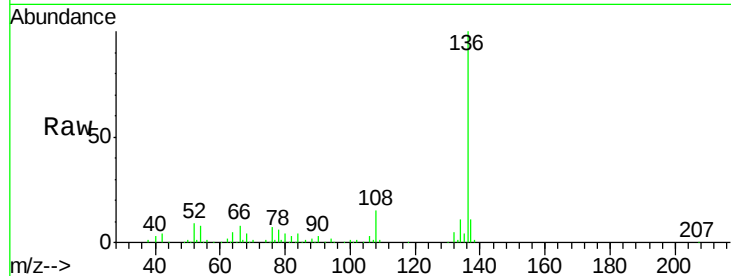
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.32 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

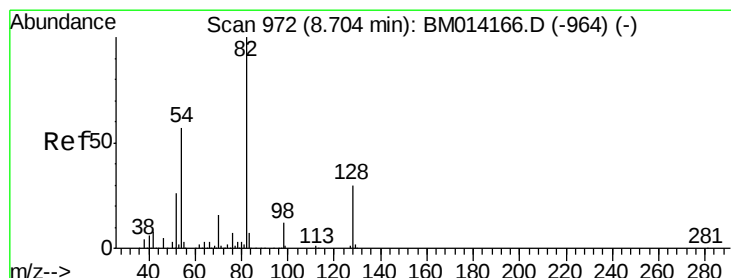
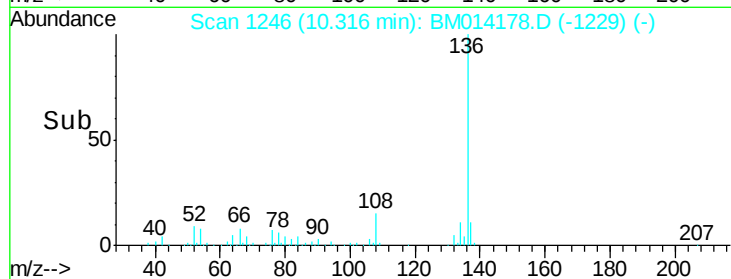
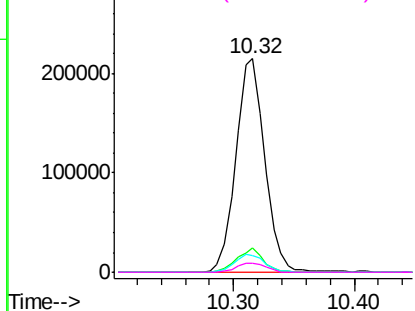
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	360631		
137	11.3	8.7	13.1	
54	7.6	4.6	6.8	
68	4.0	3.7	5.5	

Manual Integrations
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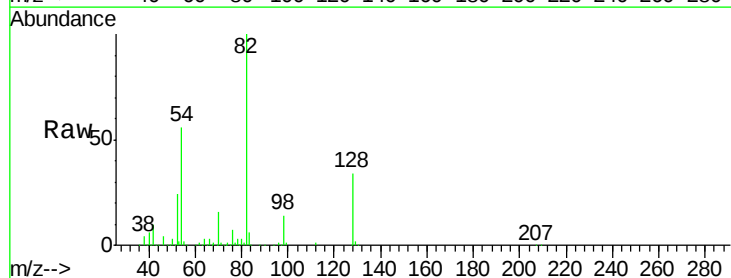


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

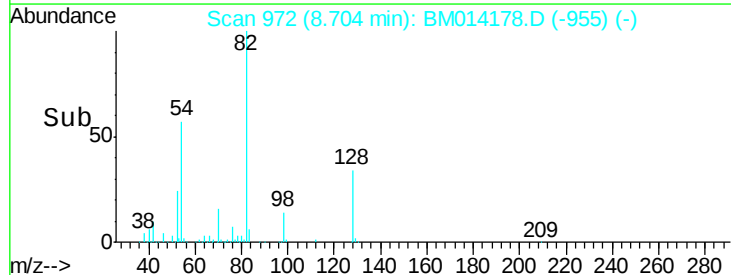
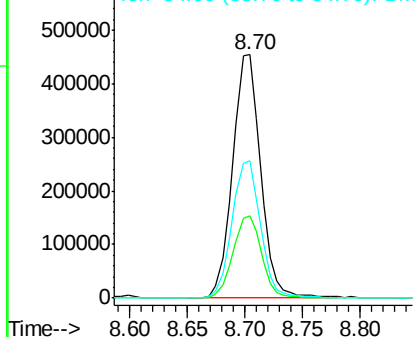


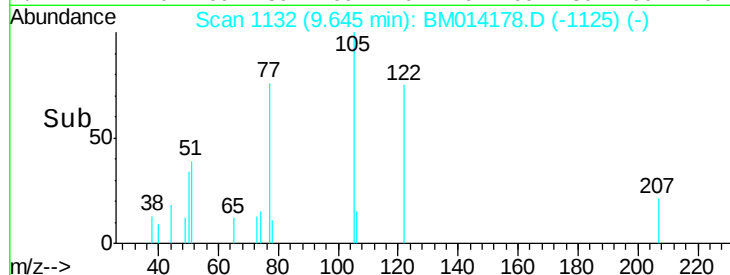
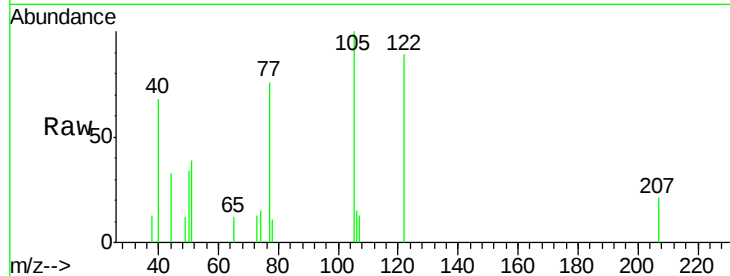
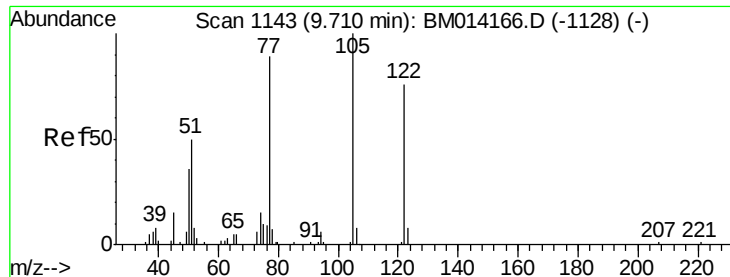
#23
Nitrobenzene-d5
Concen: 95.31 ng
RT: 8.70 min Scan# 972
Delta R.T. -0.00 min
Lab File: BM014178.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	769467		
128	33.6	32.8	49.2	
54	56.3	40.6	60.8	



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





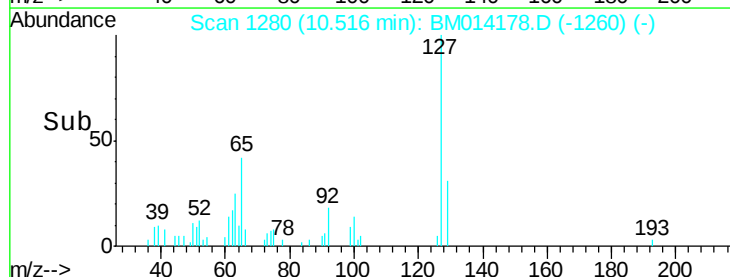
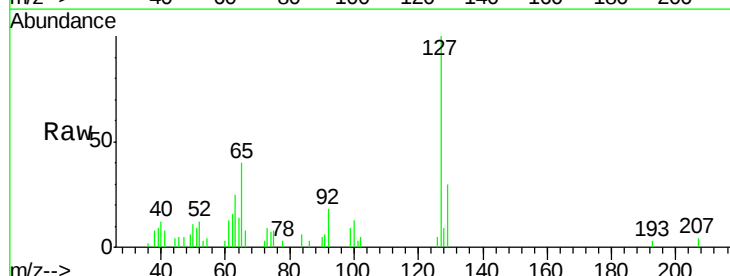
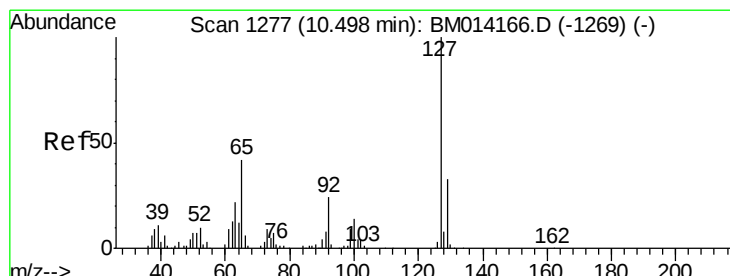
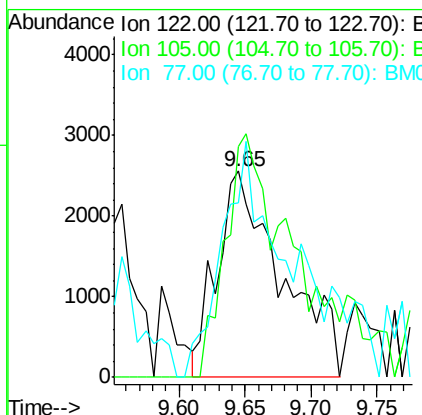
#32
Benzoic acid
Concen: 8.04 ng m
RT: 9.65 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Tgt Ion:	122	Resp:	8773
Ion Ratio	Lower	Upper	
122	100		
105	111.8	99.9	139.9
77	84.5	73.7	113.7

Instrument :
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LOD-MDL-WATER-01-QT1-2018

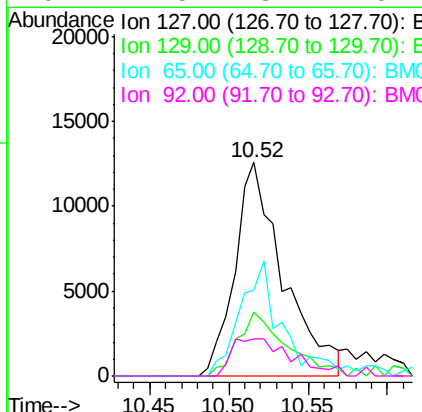
Manual Integrations
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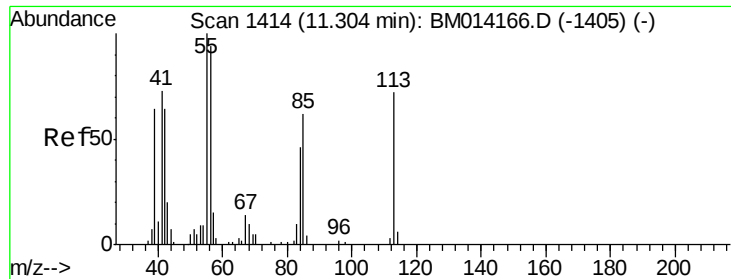
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#33
4-Chloroaniline
Concen: 3.27 ng
RT: 10.52 min Scan# 1280
Delta R.T. 0.02 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Tgt Ion:	127	Resp:	26816
Ion Ratio	Lower	Upper	
127	100		
129	30.2	25.3	37.9
65	40.3	17.6	26.4
92	17.5	13.1	19.7





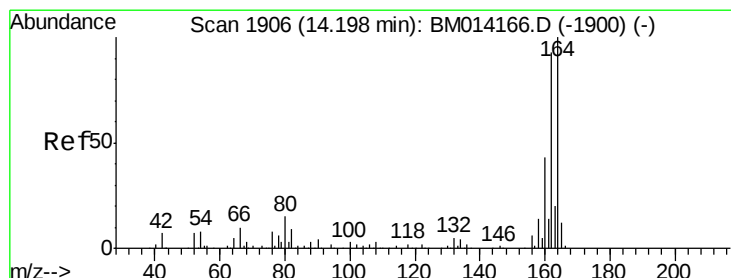
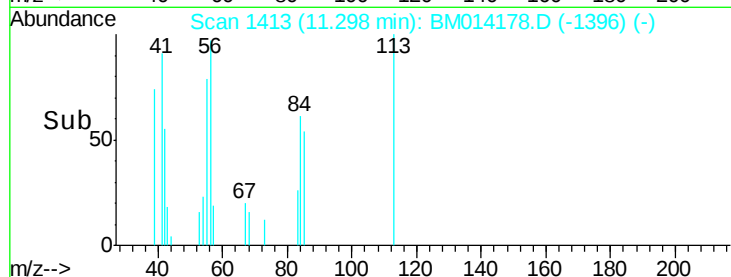
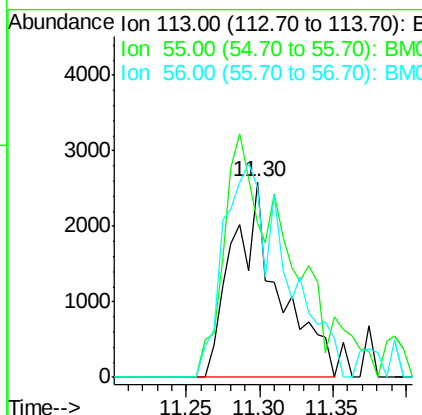
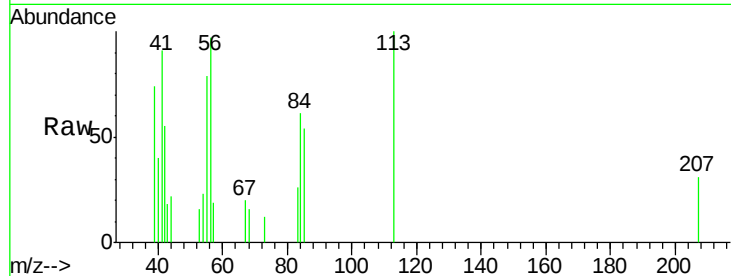
#35
 Caprolactam
 Concen: 3.02 ng m
 RT: 11.30 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BM014178.D
 Acq: 08 Feb 2018 01:29

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Lower	Upper
113	100		
55	79.0	145.9	185.9#
56	97.3	101.0	141.0#

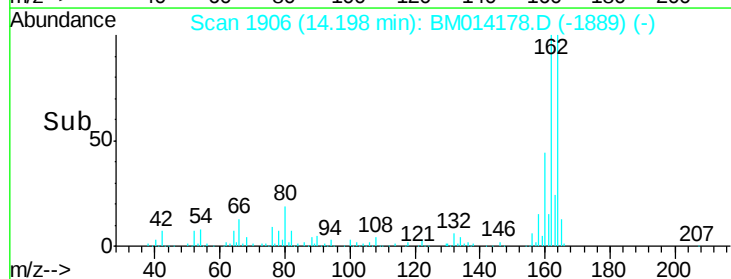
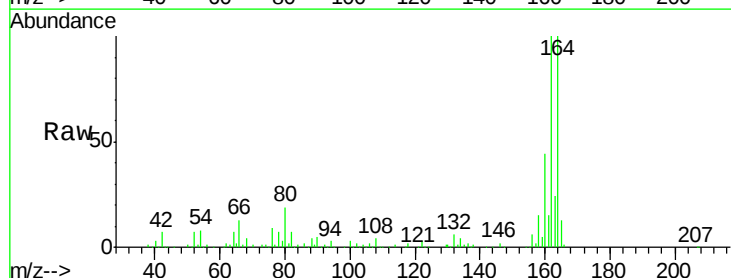
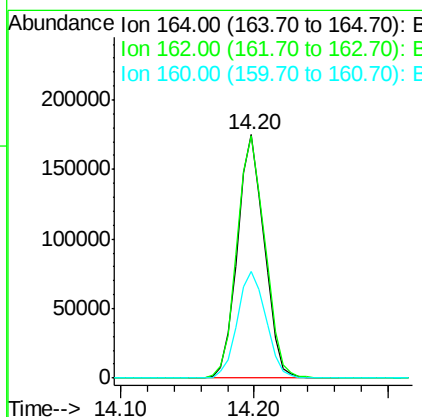
Manual Integrations
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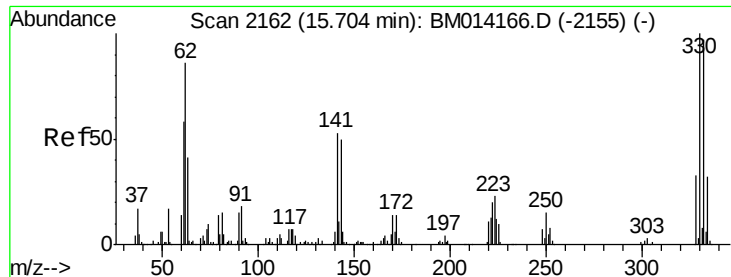
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.20 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: BM014178.D
 Acq: 08 Feb 2018 01:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	82.4	123.6
160	44.0	35.8	53.6





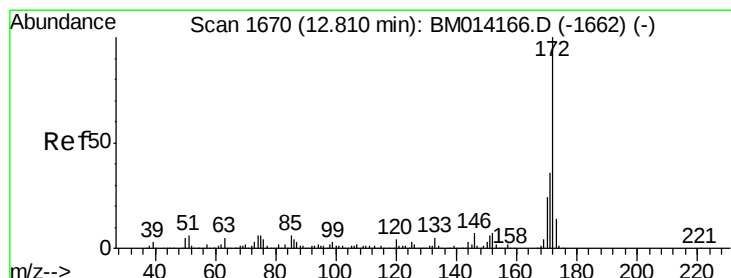
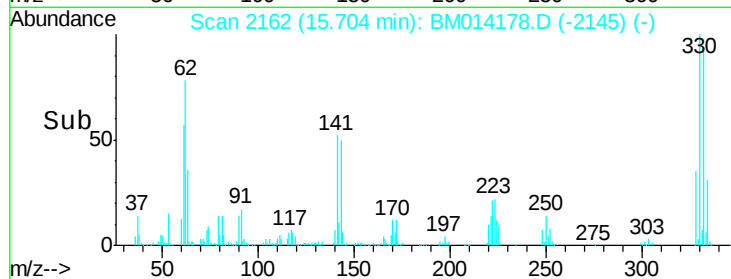
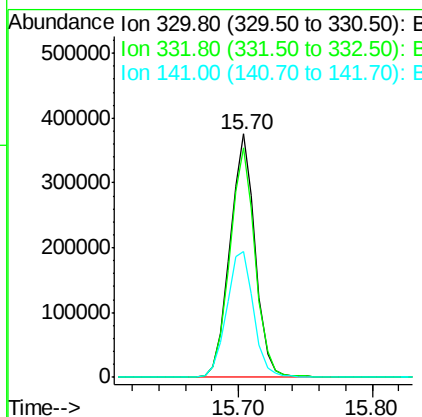
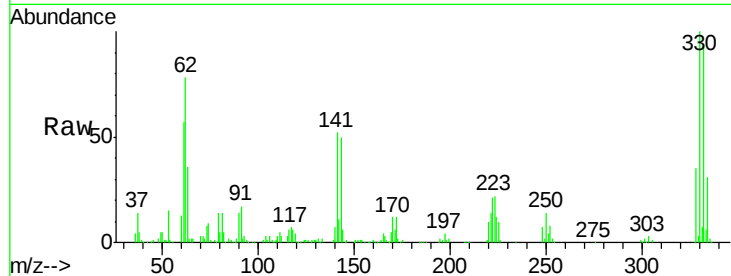
#41
 2,4,6-Tribromophenol
 Concen: 142.96 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BM014178.D
 Acq: 08 Feb 2018 01:29

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	496816		
332	94.9	0.0	0.0	0.0
141	55.6	0.0	0.0	0.0

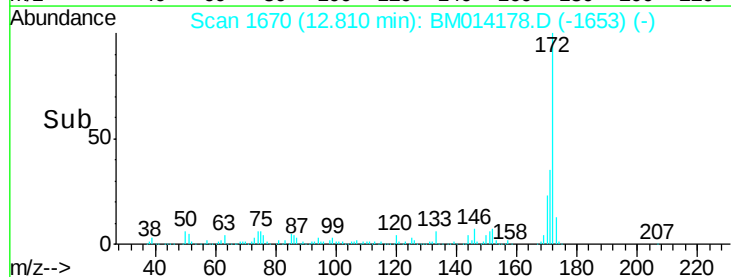
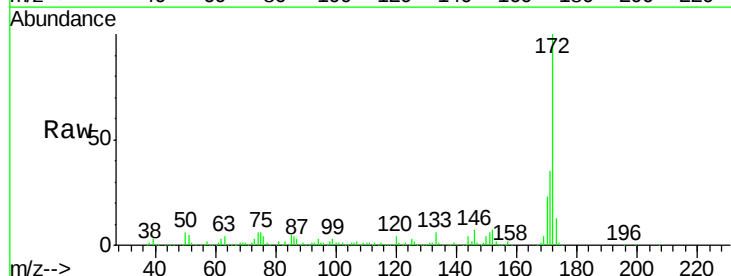
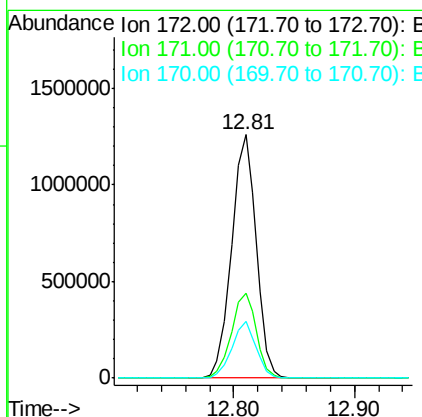
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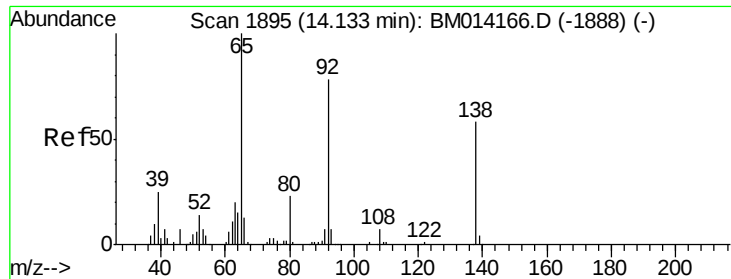
Sohil
 2/8/2018 3:50:43 PM



#44
 2-Fluorobiphenyl
 Concen: 91.52 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: BM014178.D
 Acq: 08 Feb 2018 01:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1795603		
171	34.8	28.5	42.7	
170	23.3	18.8	28.2	





#52

3-Nitroaniline

Concen: 3.29 ng

RT: 14.15 min Scan# 1898

Delta R.T. 0.02 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Instrument :

BNA_M

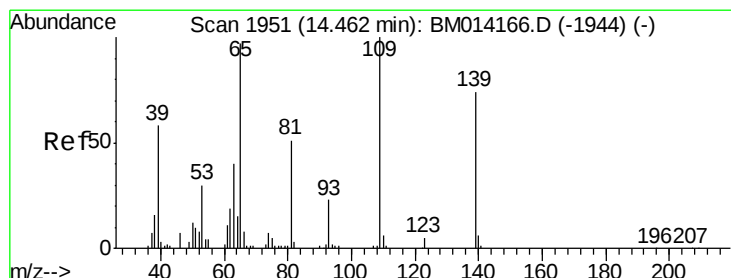
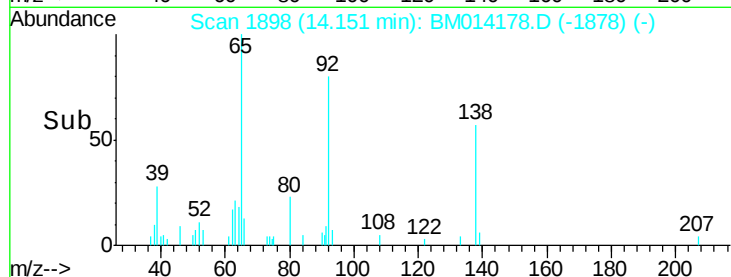
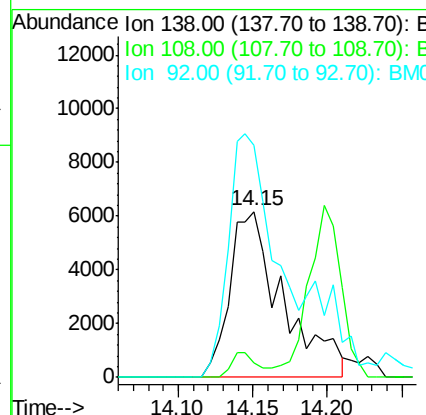
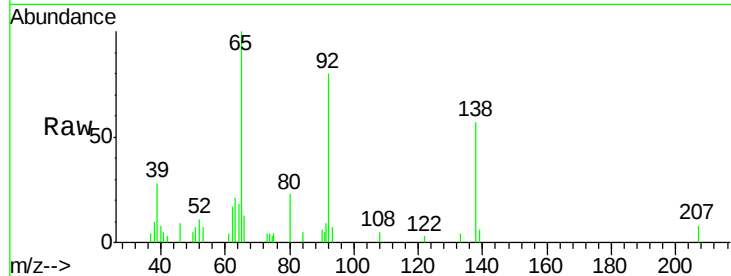
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Lower	Upper
138	100		
108	8.5	7.3	10.9
92	140.5	76.6	114.8#

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#55

4-Nitrophenol

Concen: 7.44 ng m

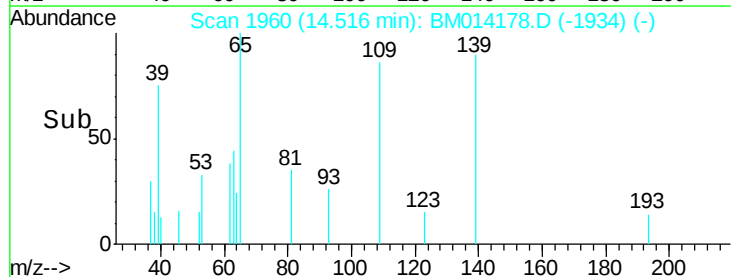
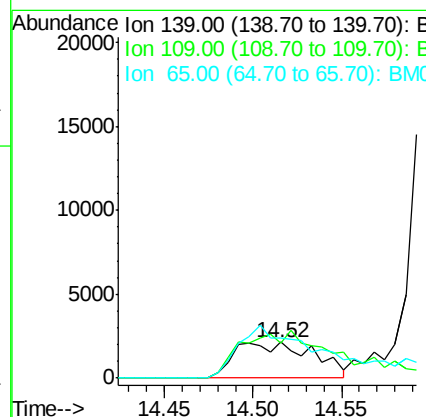
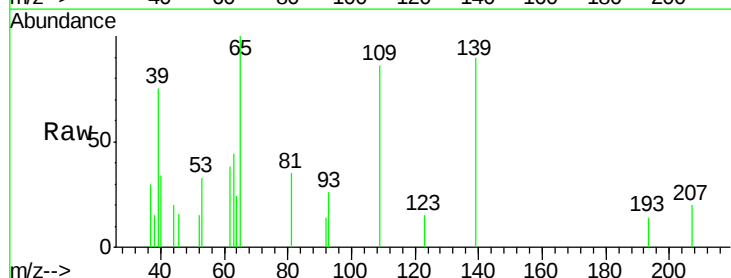
RT: 14.52 min Scan# 1960

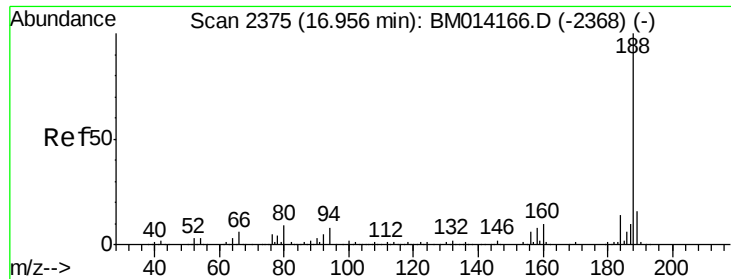
Delta R.T. 0.05 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Tgt Ion	Ratio	Lower	Upper
139	100		
109	96.2	130.0	170.0#
65	111.4	130.0	170.0#





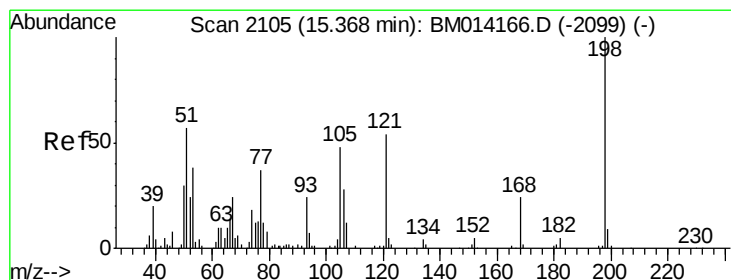
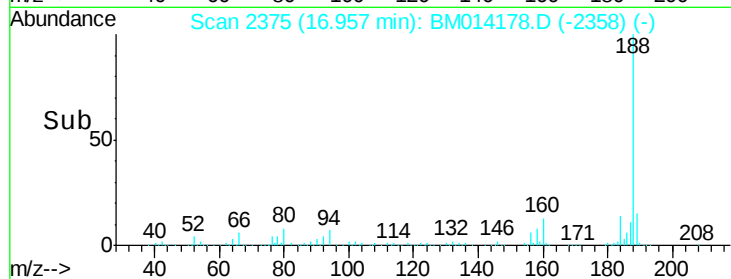
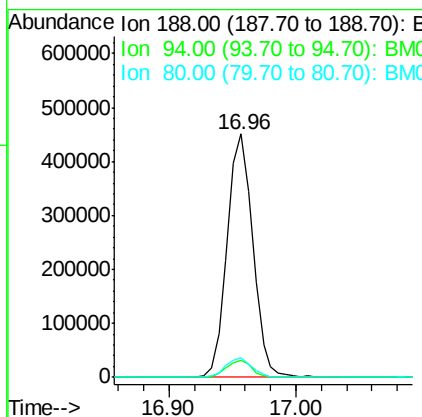
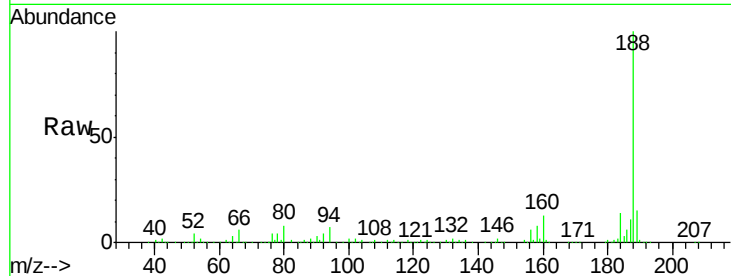
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	8.7	13.1#
80	8.2	9.3	13.9#

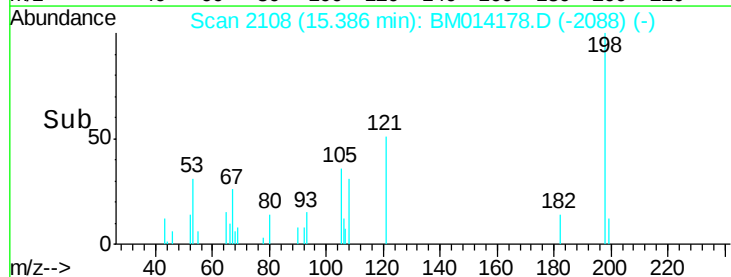
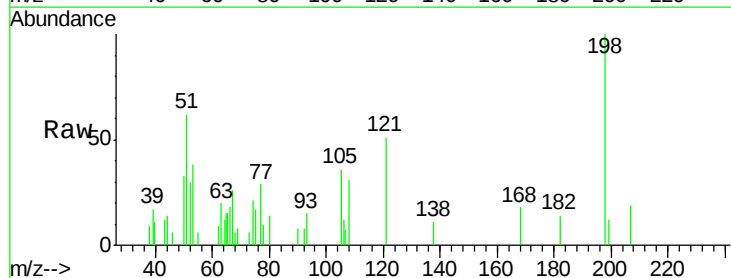
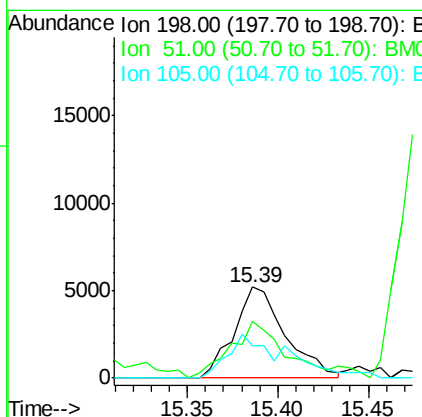
Manual Integrations
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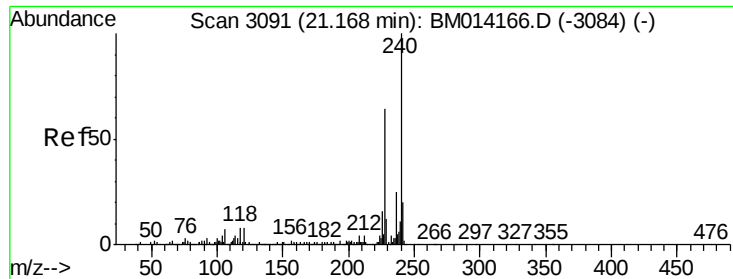
Sohil
2/8/2018 3:50:43 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 7.68 ng
RT: 15.39 min Scan# 2108
Delta R.T. 0.02 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	61.9	28.8	68.8
105	35.7	30.5	70.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Instrument :

BNA_M

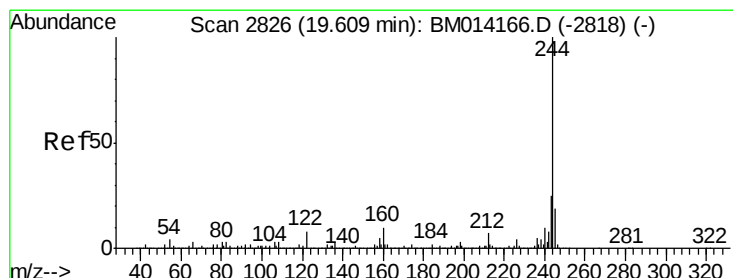
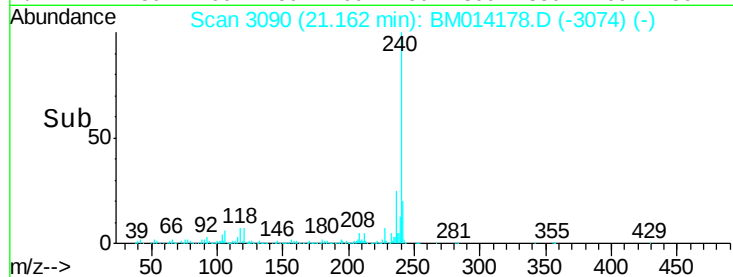
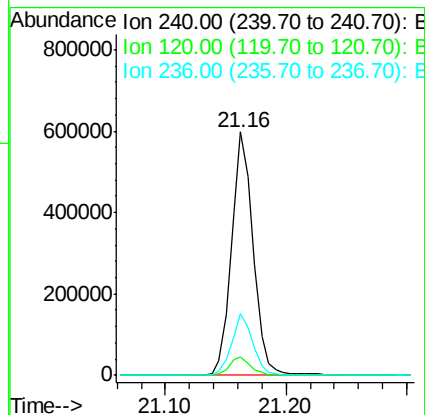
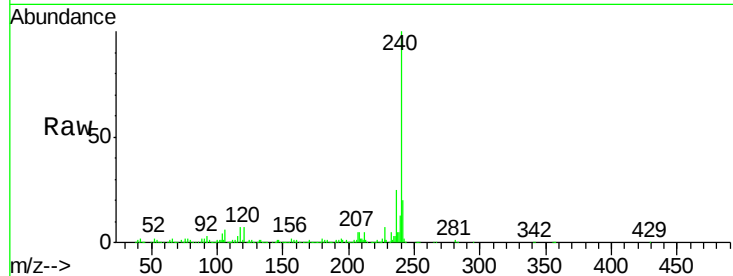
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tgt Ion:	240	Resp:	747953
Ion Ratio	Lower	Upper	
240	100		
120	7.3	8.2	12.2#
236	25.2	20.0	30.0

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#78

Terphenyl-d14

Concen: 87.25 ng

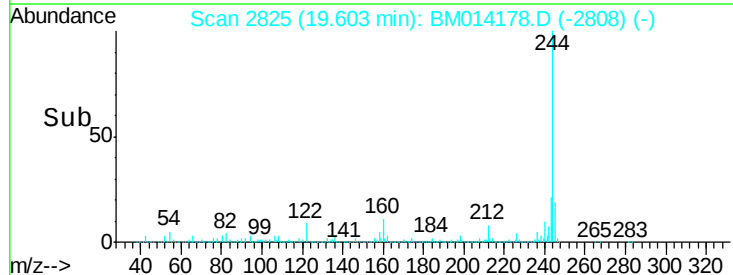
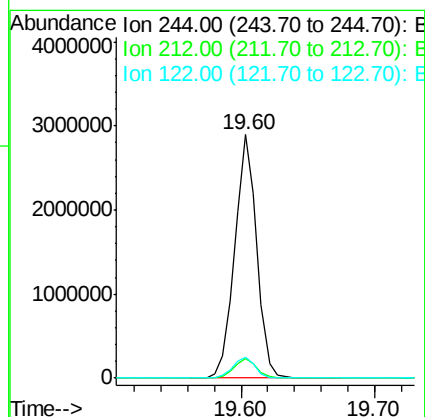
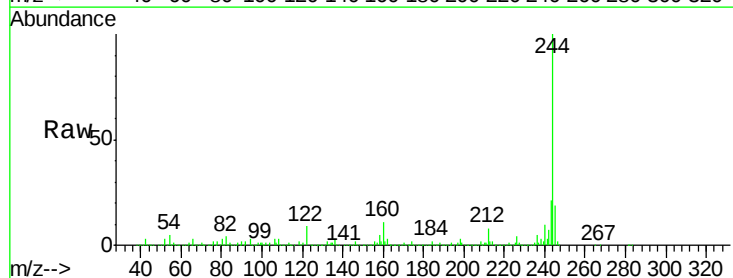
RT: 19.60 min Scan# 2825

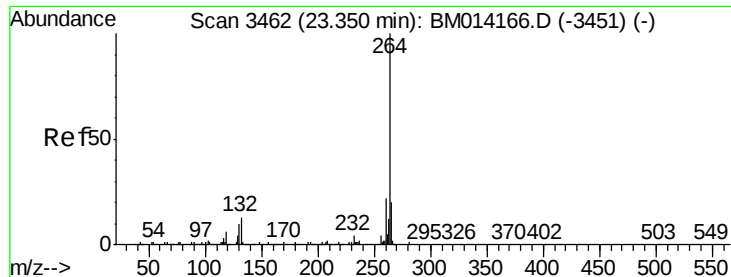
Delta R.T. -0.00 min

Lab File: BM014178.D

Acq: 08 Feb 2018 01:29

Tgt Ion:	244	Resp:	3339969
Ion Ratio	Lower	Upper	
244	100		
212	8.0	4.9	7.3#
122	8.7	6.2	9.4





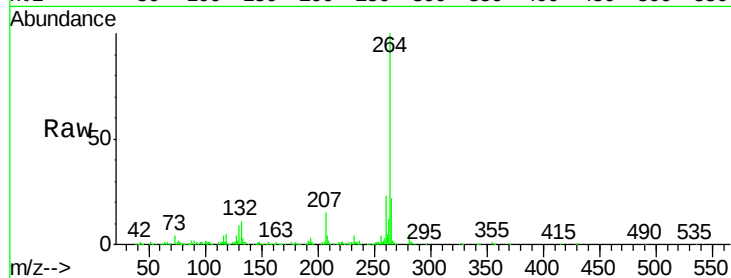
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.34 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM014178.D
Acq: 08 Feb 2018 01:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	22.9	18.6	27.8
265	21.8	17.3	25.9

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

