

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108029.D
 Acq On : 8 Aug 2018 19:40
 Operator : JU/SJ
 Sample : J3762-07
 Misc : LOD 5 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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 8/9/2018 5:01:30 PM

Quant Time: Aug 09 07:28:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	283898	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1121308	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	600297	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1240605	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1098609	20.00	ng	-0.01
86) Perylene-d12	15.77	264	966428	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1957815	124.85	ng	0.00
7) Phenol-d6	6.63	99	2600193	124.78	ng	0.00
23) Nitrobenzene-d5	7.58	82	1699711	84.59	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	823561	137.54	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3018351	80.72	ng	0.00
78) Terphenyl-d14	13.15	244	3644203	84.34	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.92	88	37303	4.630	ng	# 83
3) Pyridine	3.73	79	102230	4.925	ng	# 86
4) n-Nitrosodimethylamine	3.64	42	55019	4.711	ng	# 78
32) Benzoic acid	7.97	122	25202m	8.211	ng	
33) 4-Chloroaniline	8.36	127	75489	3.397	ng	96
35) Caprolactam	8.69	113	23116	4.715	ng	# 81
52) 3-Nitroaniline	10.00	138	42220	4.411	ng	99
55) 4-Nitrophenol	10.14	139	31071	4.287	ng	84
64) 4,6-Dinitro-2-methylphenol	10.64	198	13296	7.895	ng	85

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

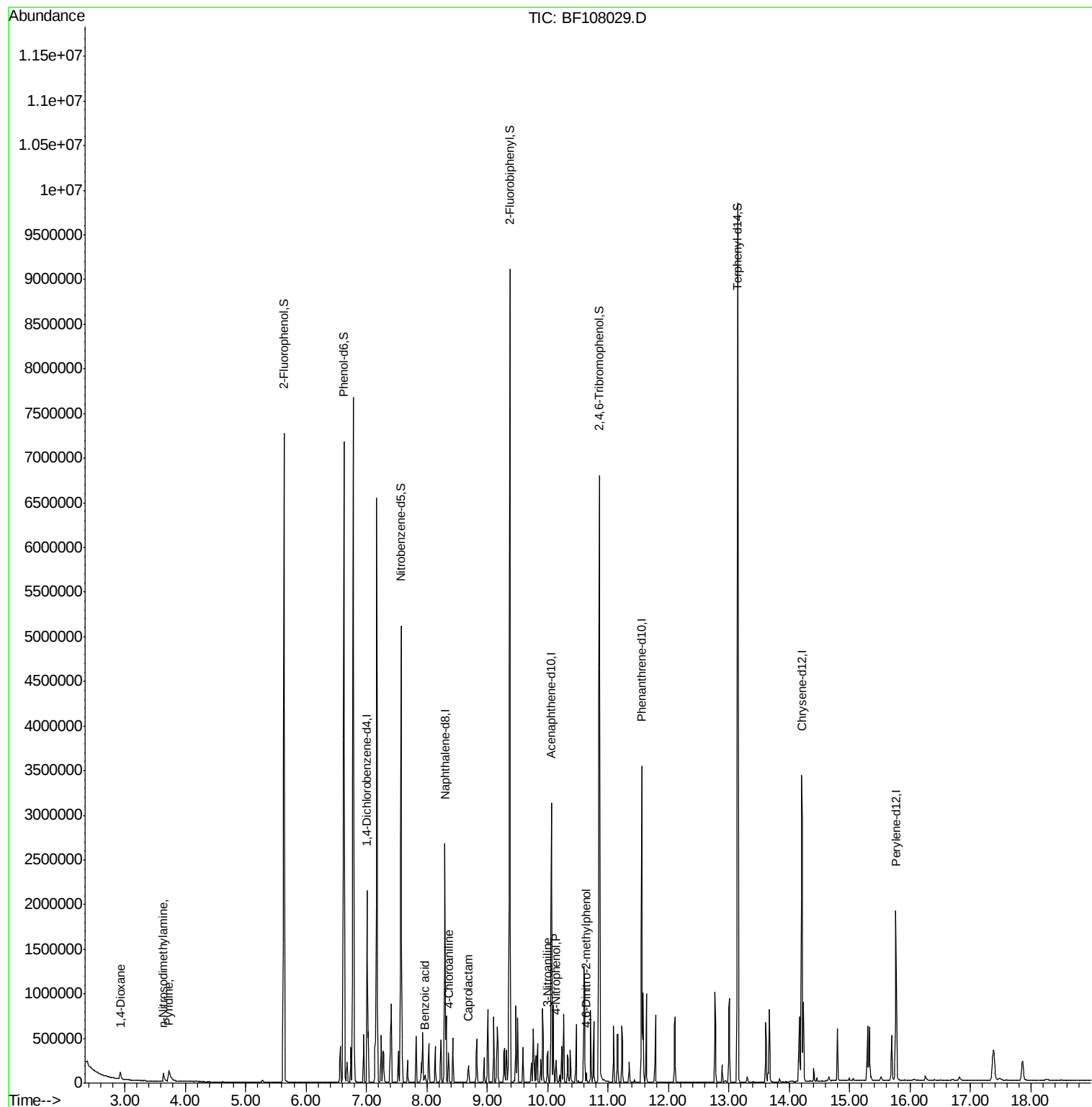
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
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#1

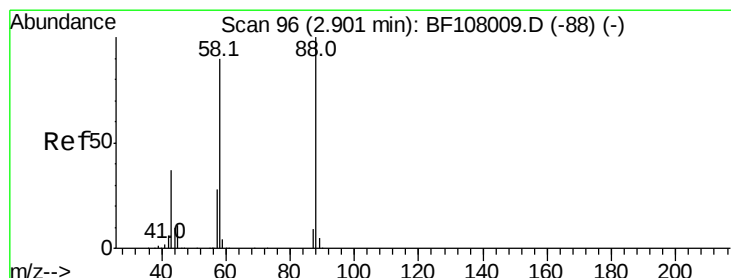
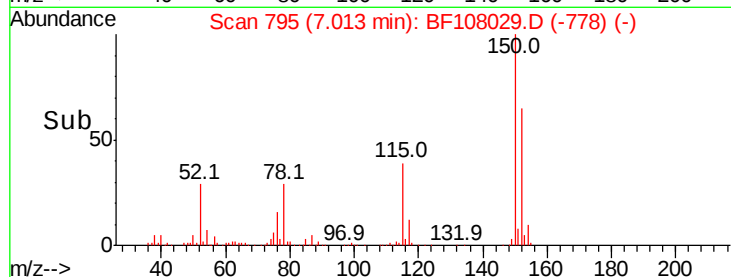
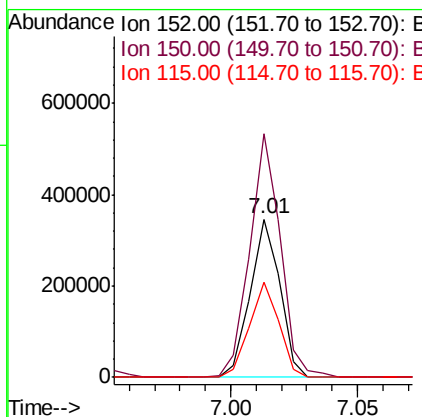
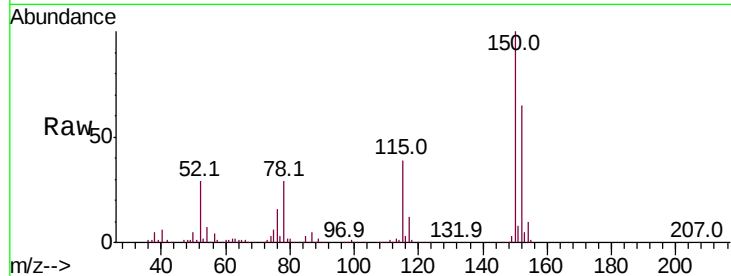
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108029.D
Acq: 8 Aug 2018 19:40

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	60.2	50.1	75.1

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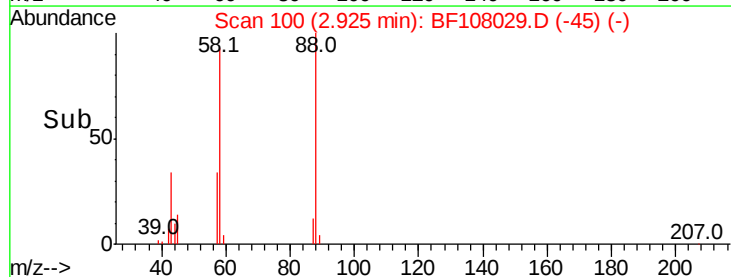
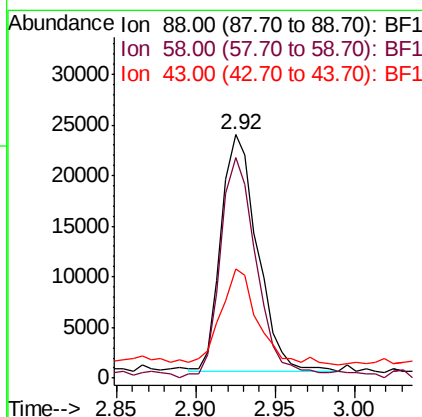
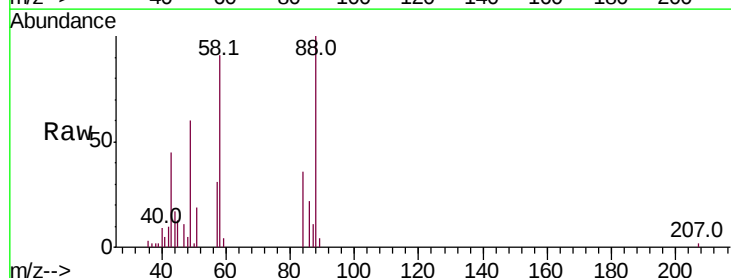
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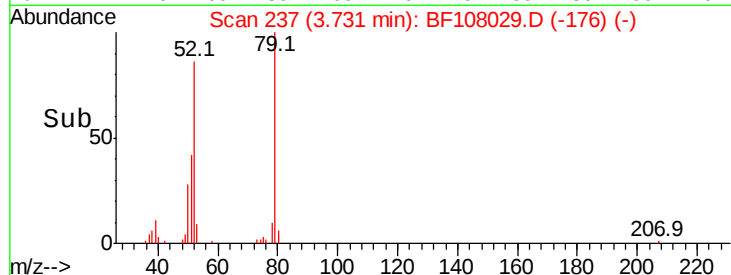
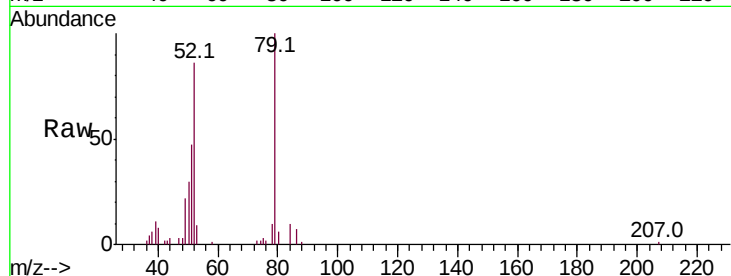
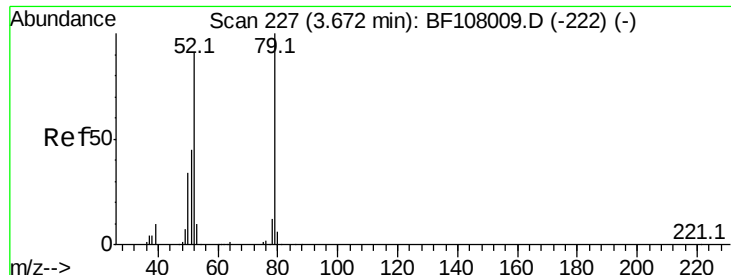


#2

1,4-Dioxane
Concen: 4.630 ng
RT: 2.92 min Scan# 100
Delta R.T. 0.02 min
Lab File: BF108029.D
Acq: 8 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.2	62.6	93.8#
43	38.2	24.6	37.0#





#3

Pvridine

Concen: 4.925 ng

RT: 3.73 min Scan# 237

Delta R.T. 0.06 min

Lab File: BF108029.D

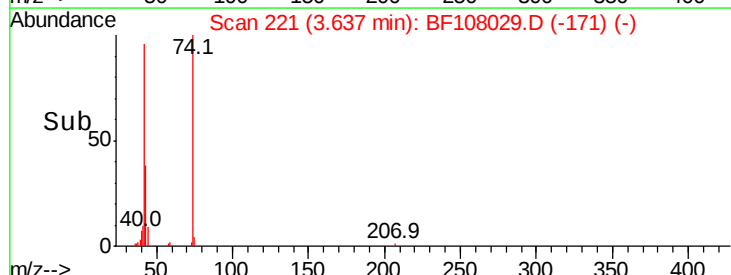
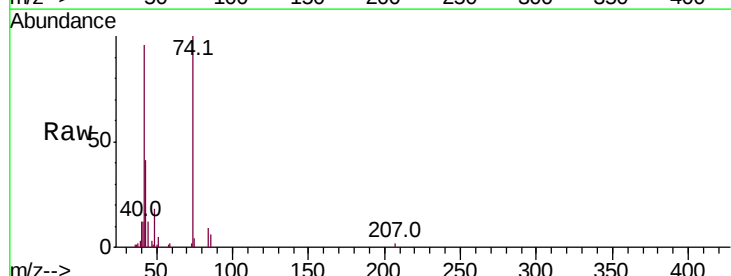
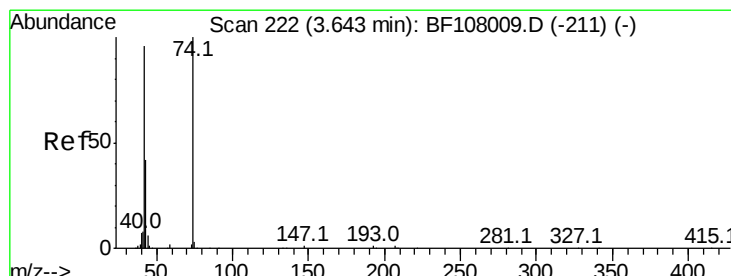
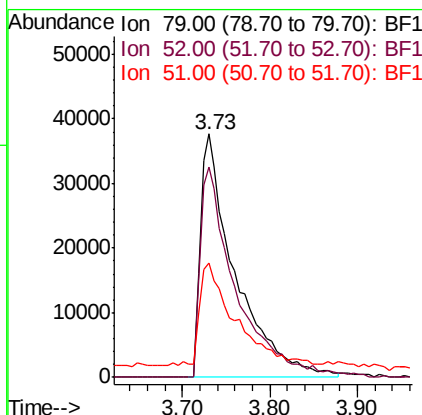
Acq: 8 Aug 2018 19:40

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	86.2	59.8	89.6	
51	46.8	29.8	44.8	

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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#4

n-Nitrosodimethylamine

Concen: 4.711 ng

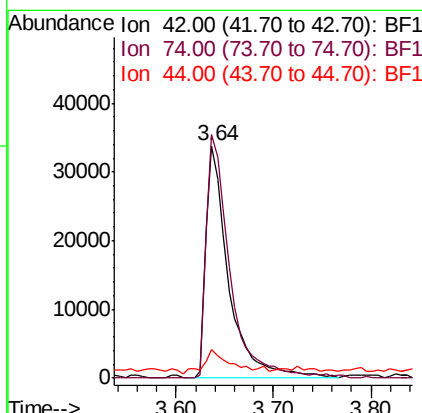
RT: 3.64 min Scan# 221

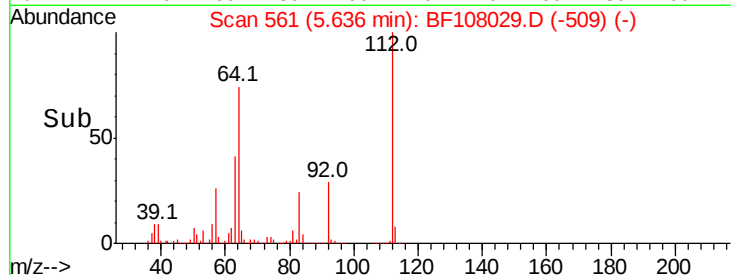
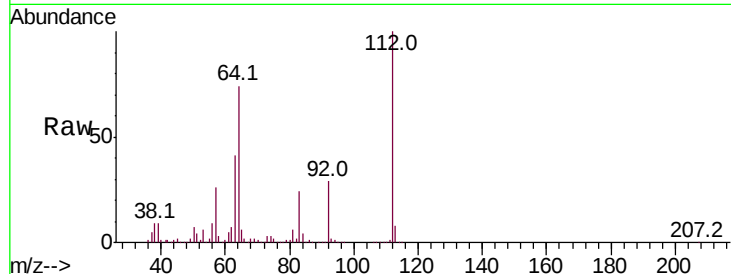
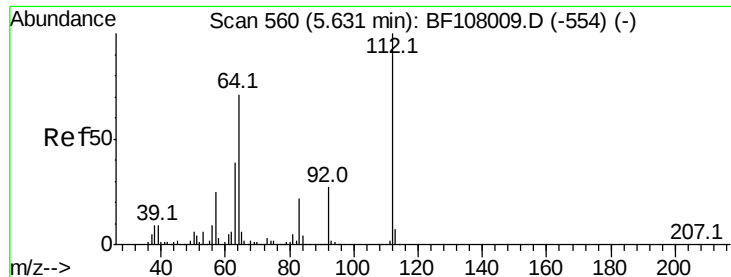
Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	104.7	104.9	157.3	
44	12.1	6.9	10.3	





#5

2-Fluorophenol

Concen: 124.852 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:112 Resp: 1957815

Ion Ratio Lower Upper

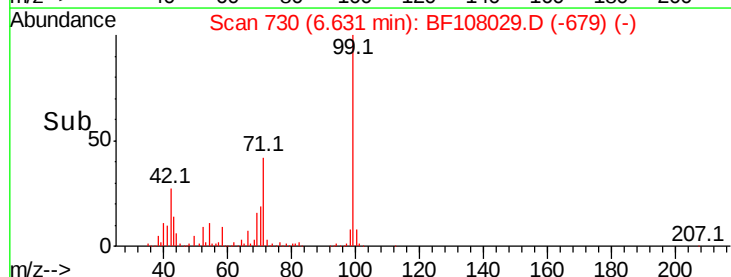
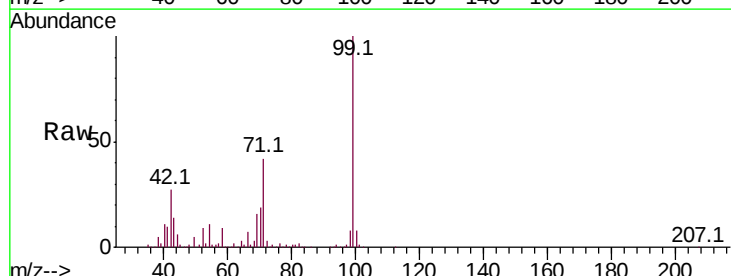
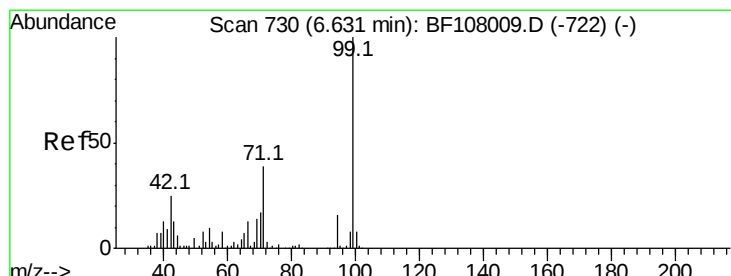
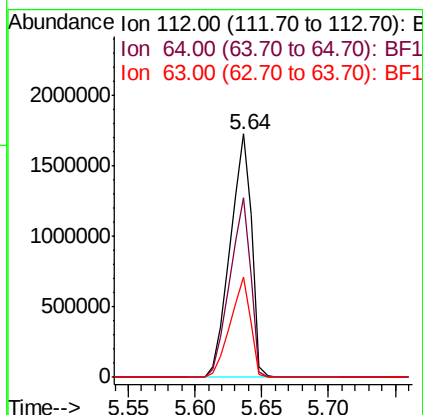
112 100

64 73.8 47.9 71.9#

63 41.0 23.7 35.5#

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#7

Phenol-d6

Concen: 124.781 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

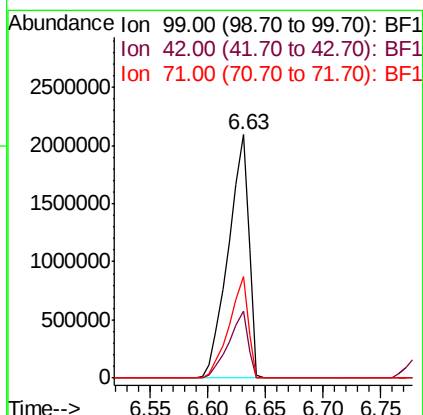
Tgt Ion: 99 Resp: 2600193

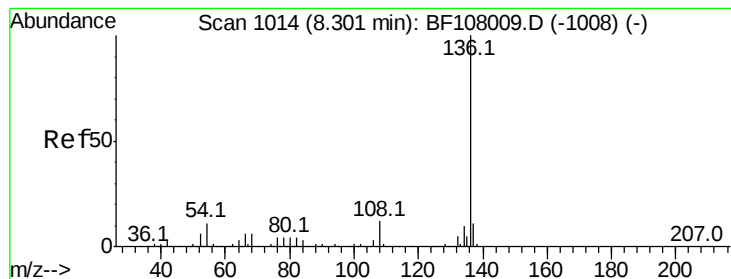
Ion Ratio Lower Upper

99 100

42 27.3 14.5 21.7#

71 41.8 25.4 38.0#





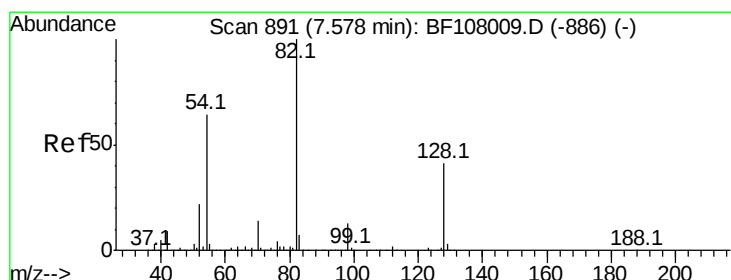
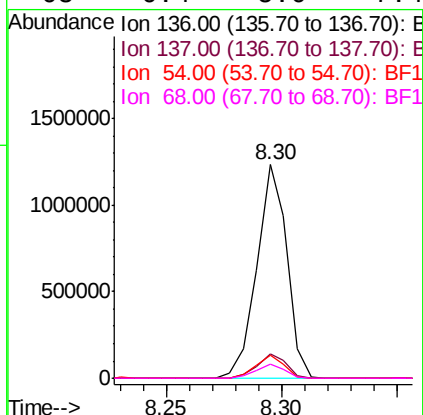
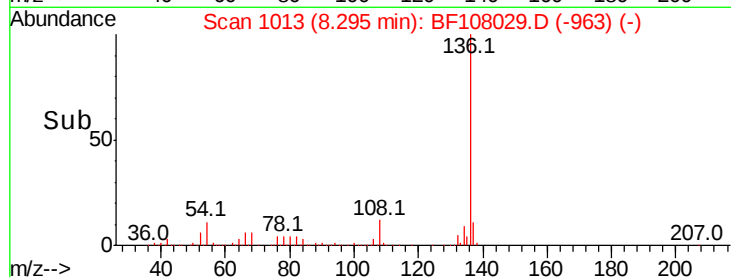
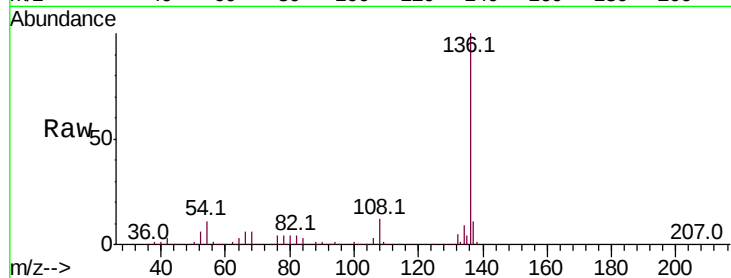
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108029.D
Acq: 8 Aug 2018 19:40

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	11.0	6.6	9.8#
68	6.4	5.0	7.4

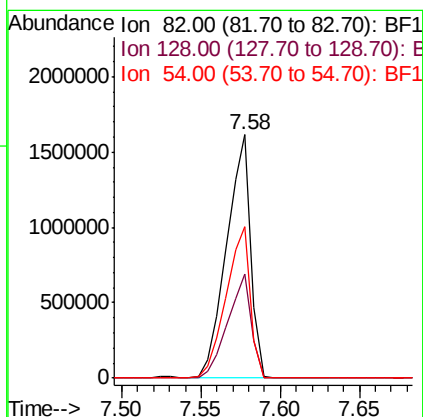
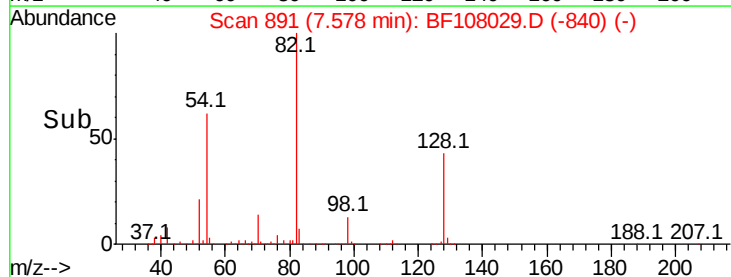
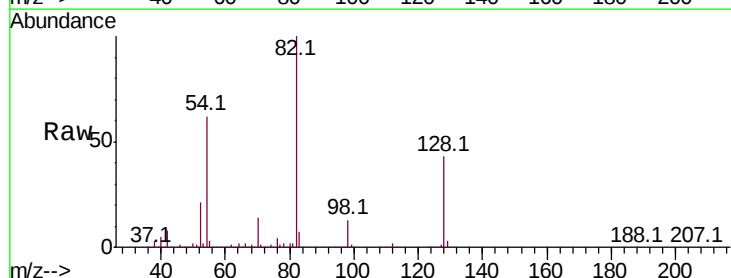
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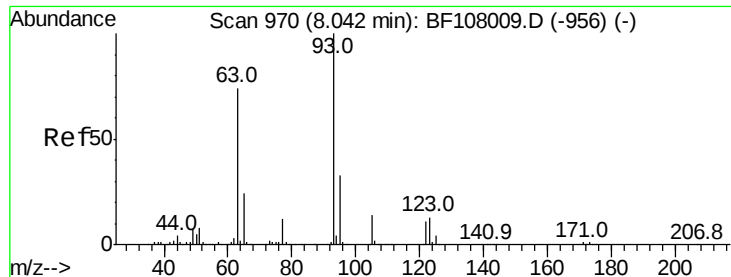
Sohil
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#23
Nitrobenzene-d5
Concen: 84.585 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108029.D
Acq: 8 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	62.2	41.4	62.2#





#32

Benzoic acid

Concen: 8.211 ng/mL

RT: 7.97 min Scan# 958

Delta R.T. -0.07 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

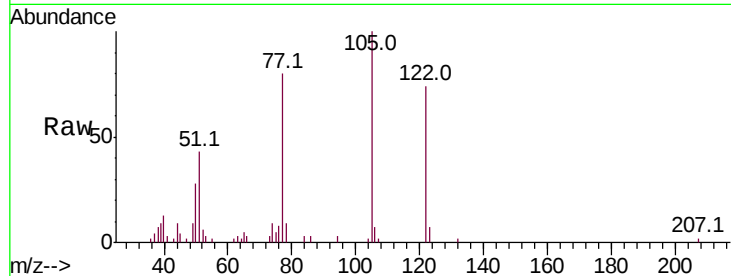
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	122	Resp:	25202
Ion Ratio	Lower	Upper	
122	100		
105	135.6	101.1	141.1
77	108.9	70.7	110.7

Manual Integrations
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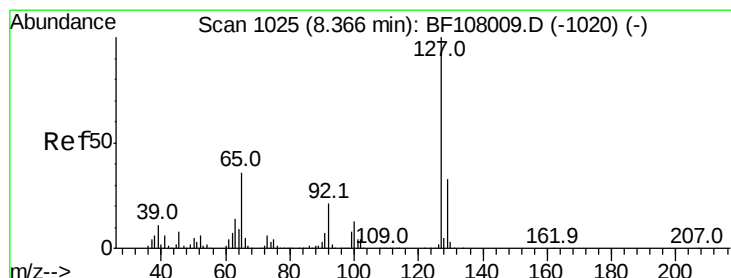
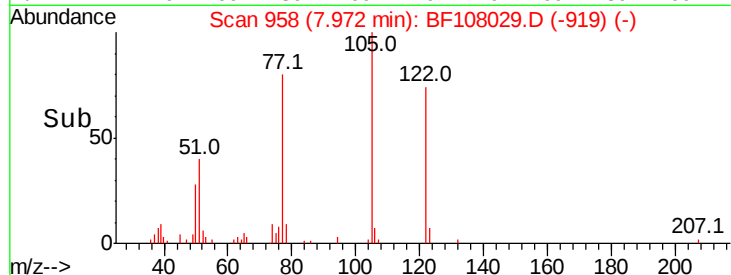
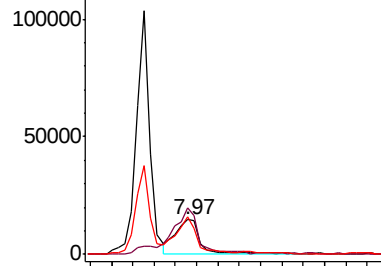


Abundance

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): BF1



#33

4-Chloroaniline

Concen: 3.397 ng/mL

RT: 8.36 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Tgt Ion:	127	Resp:	75489
Ion Ratio	Lower	Upper	
127	100		
129	30.3	25.9	38.9
65	33.8	25.0	37.4
92	19.7	15.2	22.8

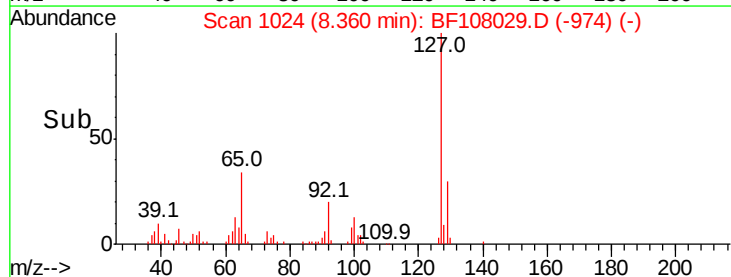
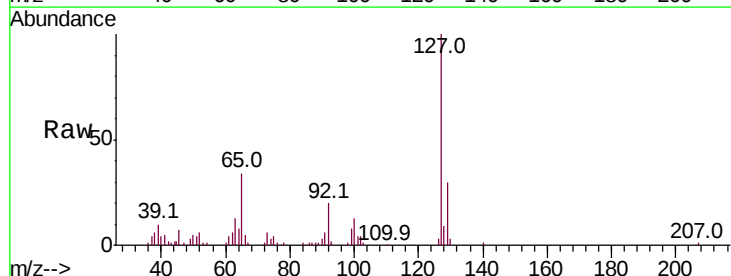
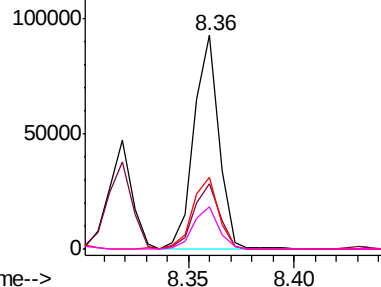
Abundance

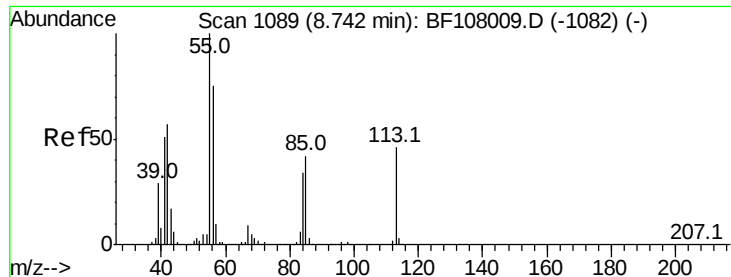
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 4.715 ng

RT: 8.69 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

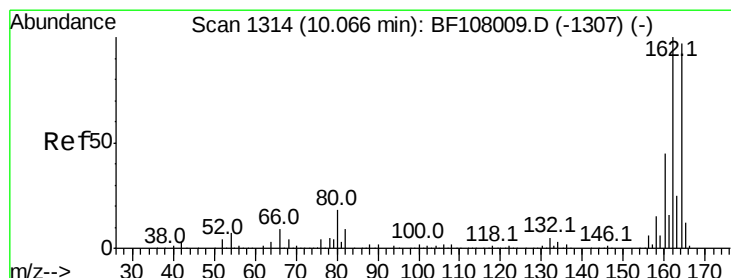
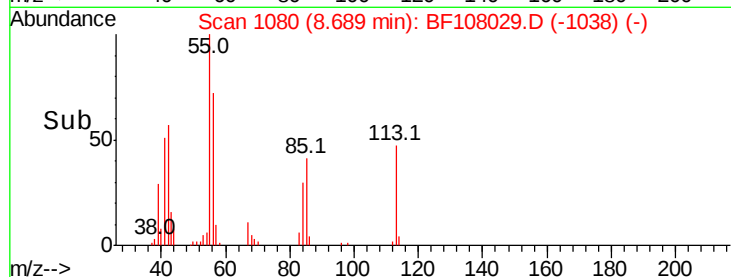
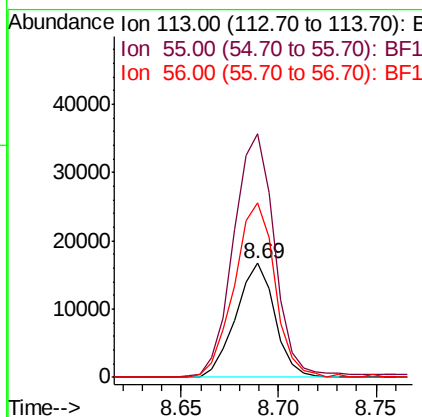
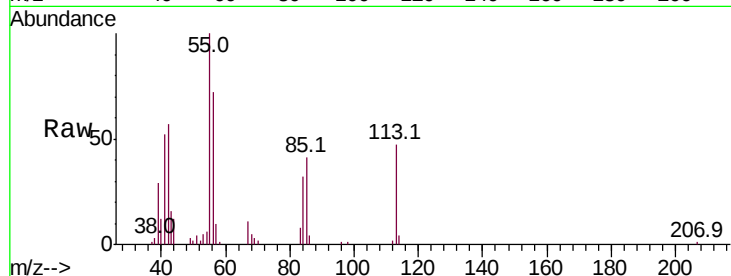
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	213.9	163.3	203.3#
56	153.5	115.7	155.7

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#38

Acenaphthene-d10

Concen: 20.000 ng

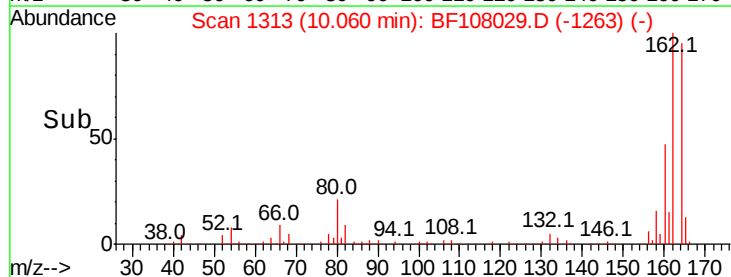
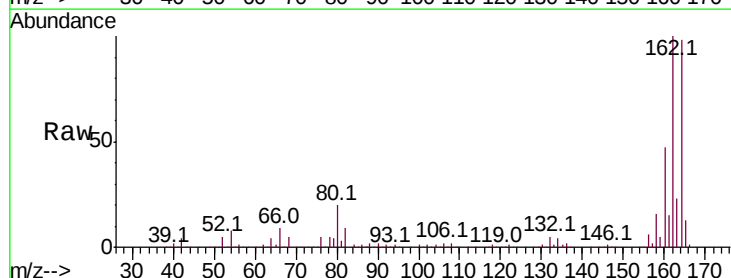
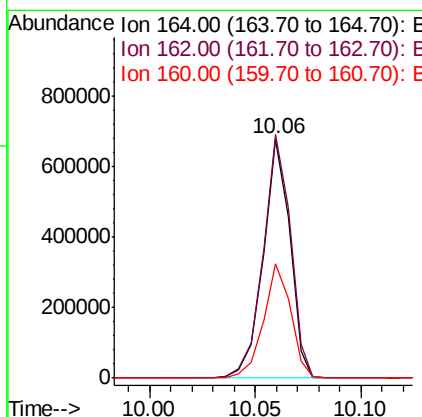
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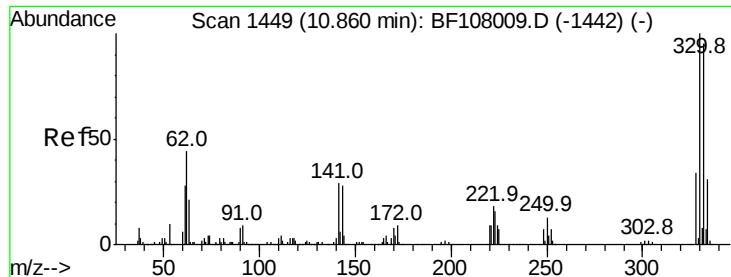
Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	47.6	38.3	57.5





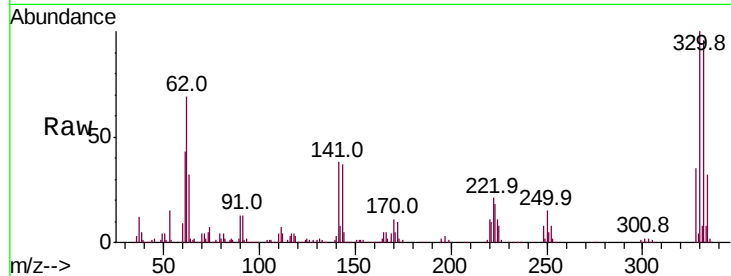
#41
 2,4,6-Tribromophenol
 Concen: 137.540 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108029.D
 Acq: 8 Aug 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
330	100	823561		
332	96.7	77.0	115.6	
141	34.9	29.9	44.9	

Manual Integrations
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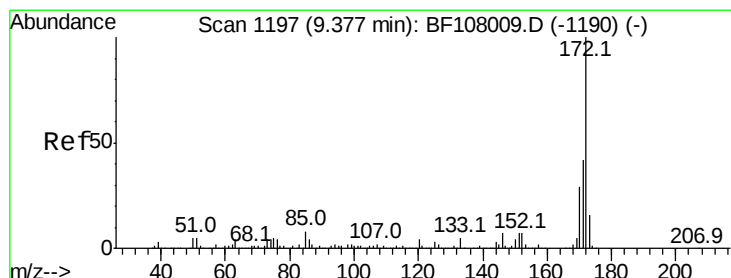
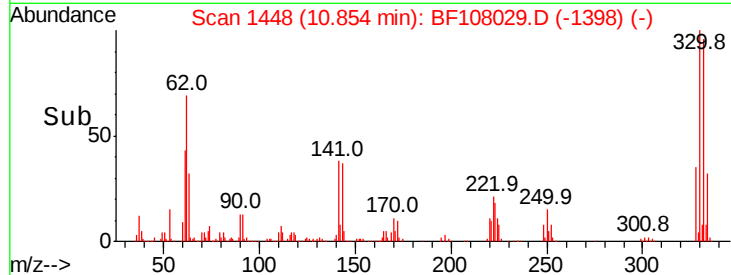
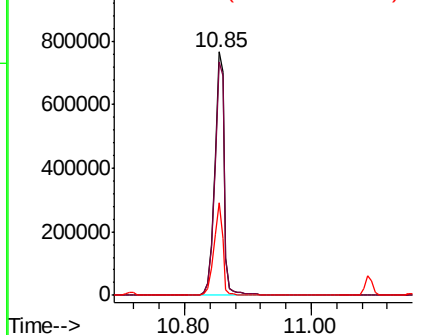


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: 80.725 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108029.D
 Acq: 8 Aug 2018 19:40

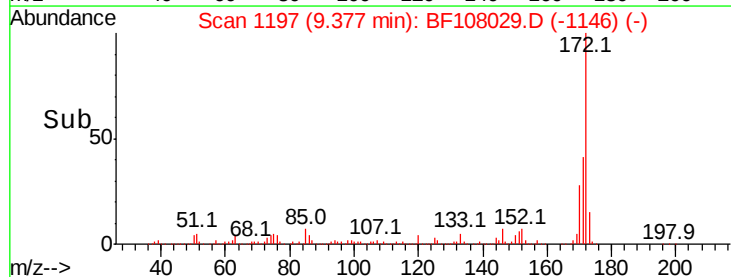
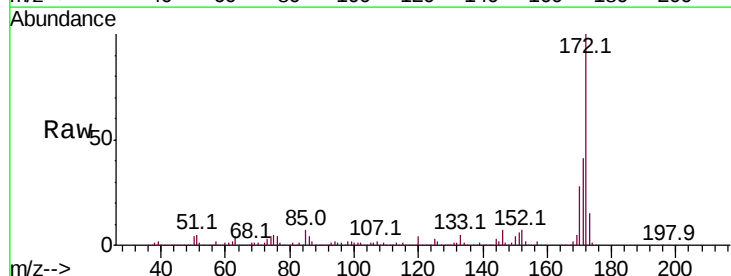
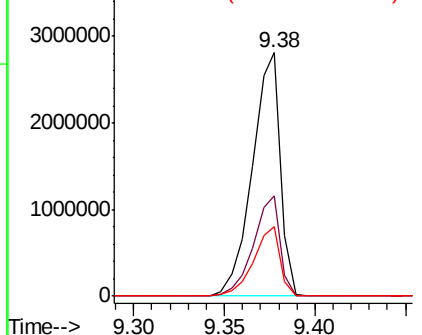
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3018351		
171	41.1	29.7	44.5	
170	28.4	19.6	29.4	

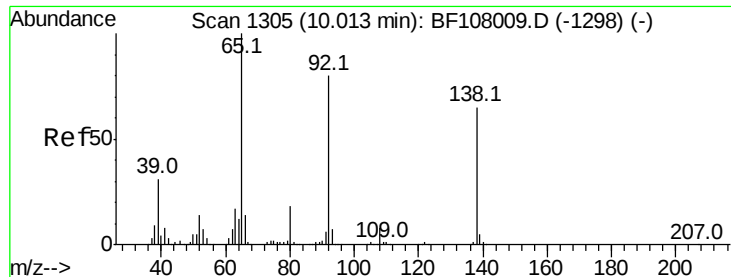
Abundance

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





#52

3-Nitroaniline

Concen: 4.411 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:138 Resp: 42220

Ion Ratio Lower Upper

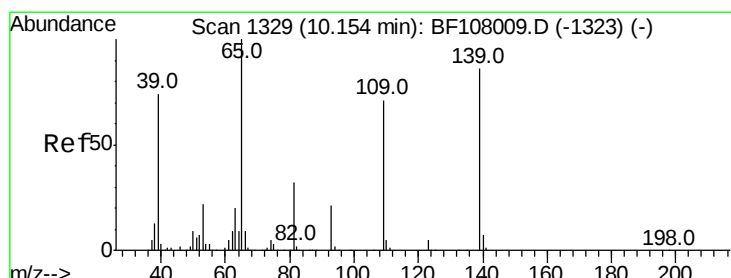
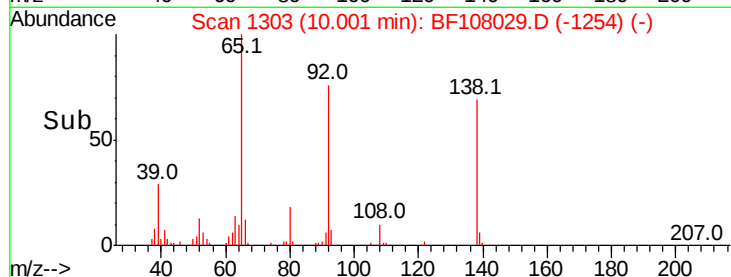
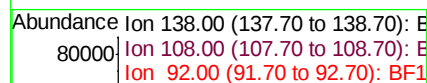
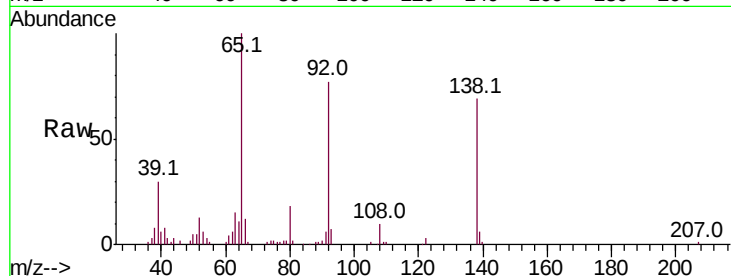
138 100

108 13.8 9.4 14.0

92 111.3 89.4 134.2

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#55

4-Nitrophenol

Concen: 4.287 ng

RT: 10.14 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

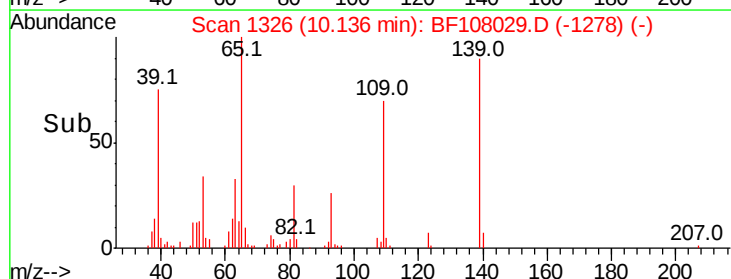
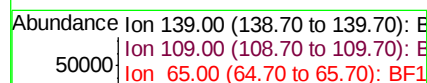
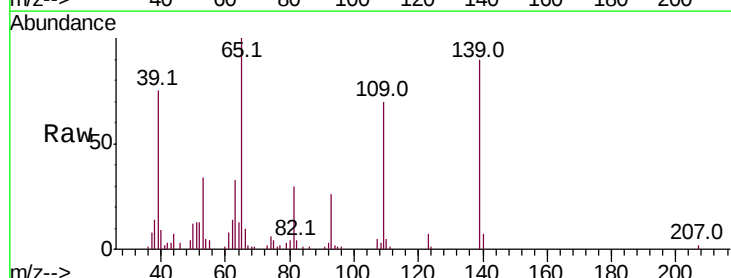
Tgt Ion:139 Resp: 31071

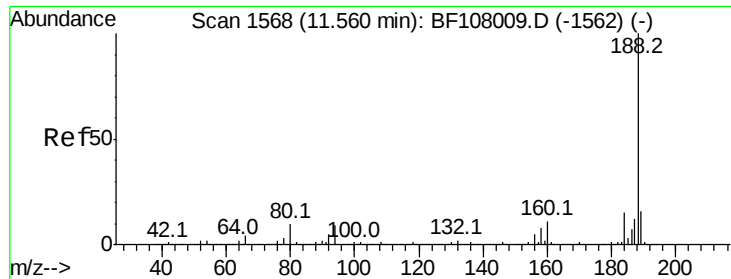
Ion Ratio Lower Upper

139 100

109 77.5 48.4 88.4

65 110.6 72.6 112.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:188 Resp: 1240605

Ion Ratio Lower Upper

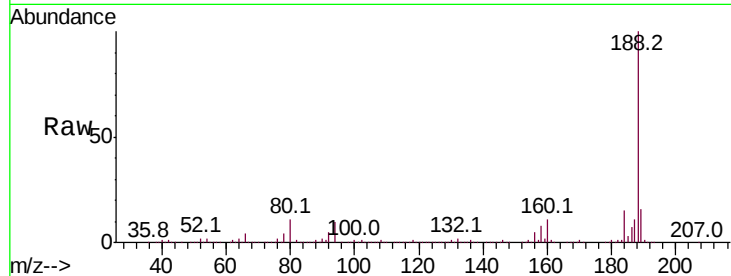
188 100

94 9.7 8.5 12.7

80 10.7 9.2 13.8

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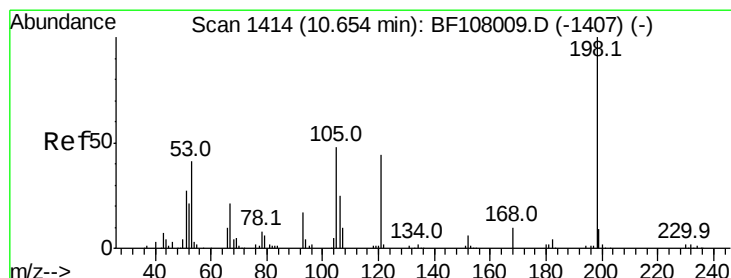
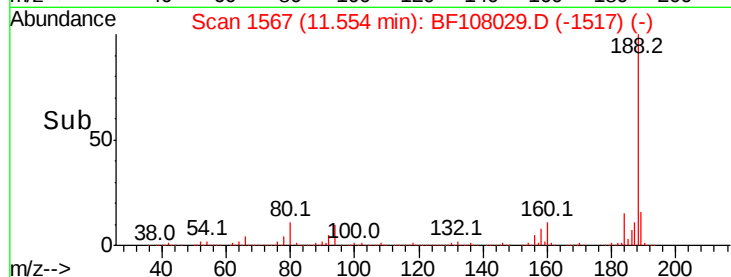
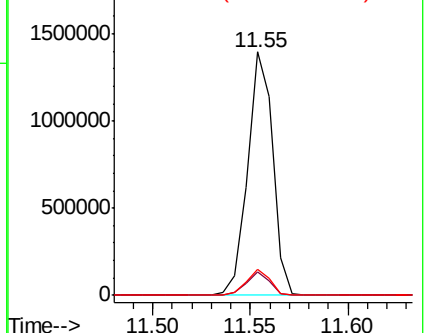
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.895 ng

RT: 10.64 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

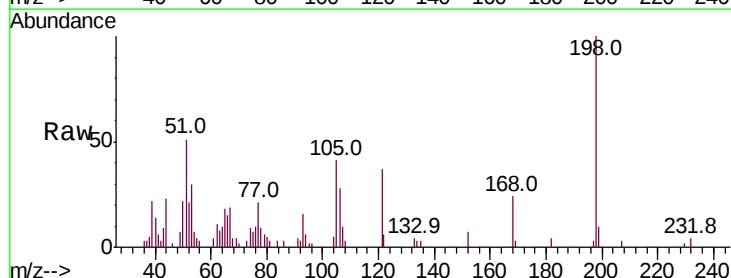
Tgt Ion:198 Resp: 13296

Ion Ratio Lower Upper

198 100

51 50.9 37.7 77.7

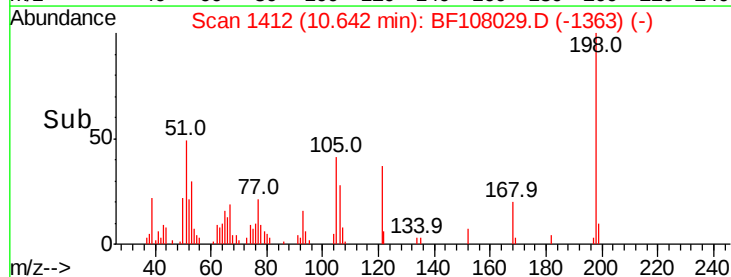
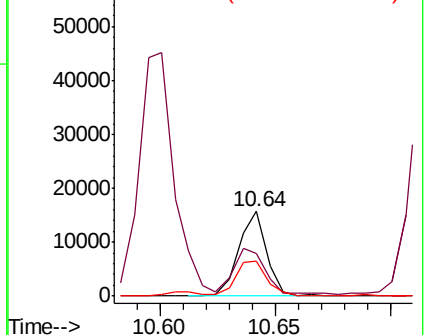
105 41.1 36.3 76.3

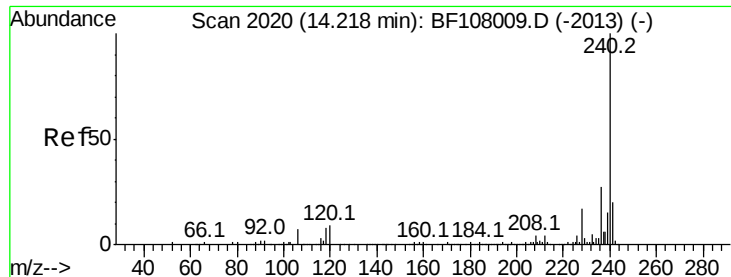


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:240 Resp: 1098609

Ion Ratio Lower Upper

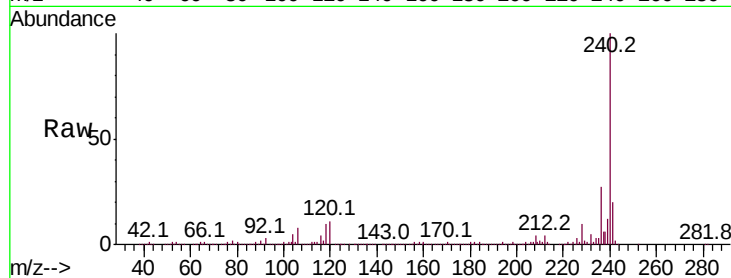
240 100

120 11.0 9.5 14.3

236 26.8 20.7 31.1

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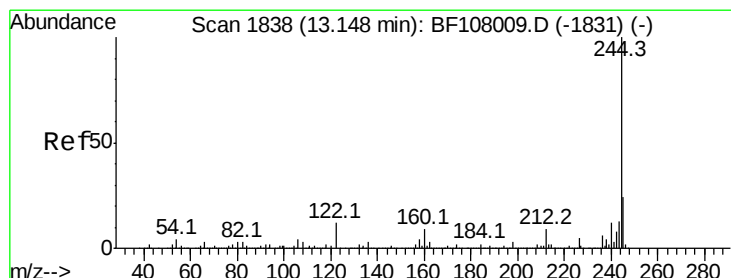
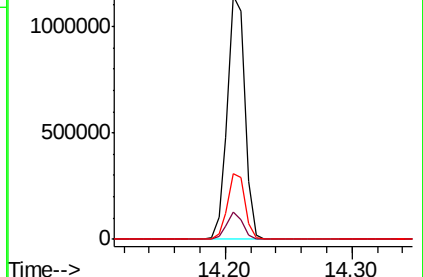
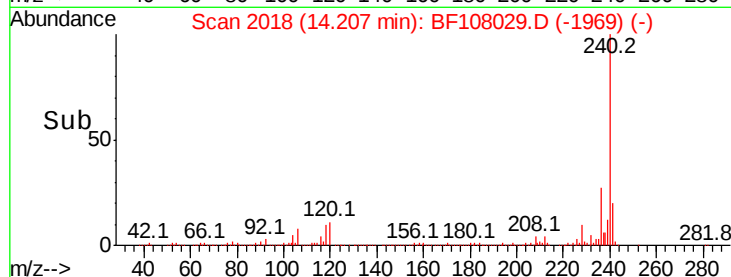
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.340 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108029.D

Acq: 8 Aug 2018 19:40

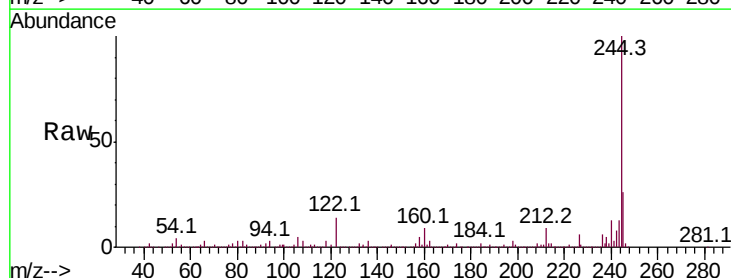
Tgt Ion:244 Resp: 3644203

Ion Ratio Lower Upper

244 100

212 9.4 5.4 8.0#

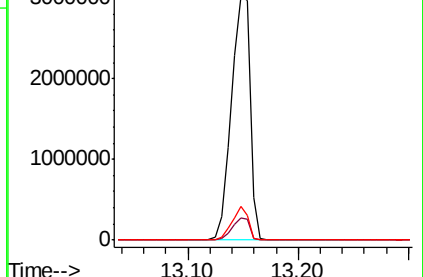
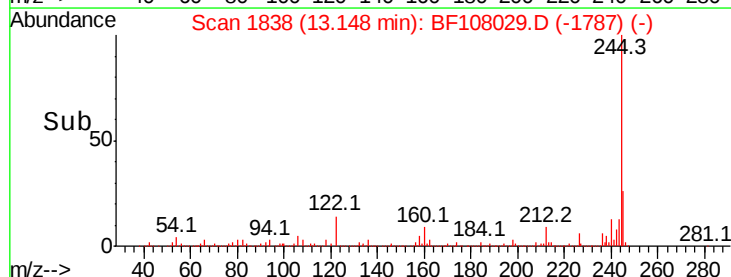
122 13.8 11.0 16.4

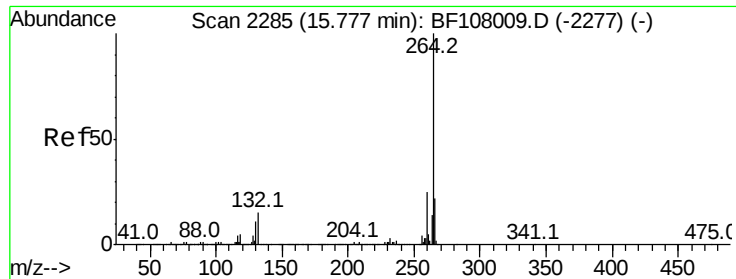


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF108029.D
 Acq: 8 Aug 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:	264	Resp:	966428
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3

Manual Integrations
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