

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034107.D
 Acq On : 2 May 2018 9:17
 Operator : SJ/JU
 Sample : J2133-09
 Misc : 8PPM MDL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Quant Time: May 02 13:57:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

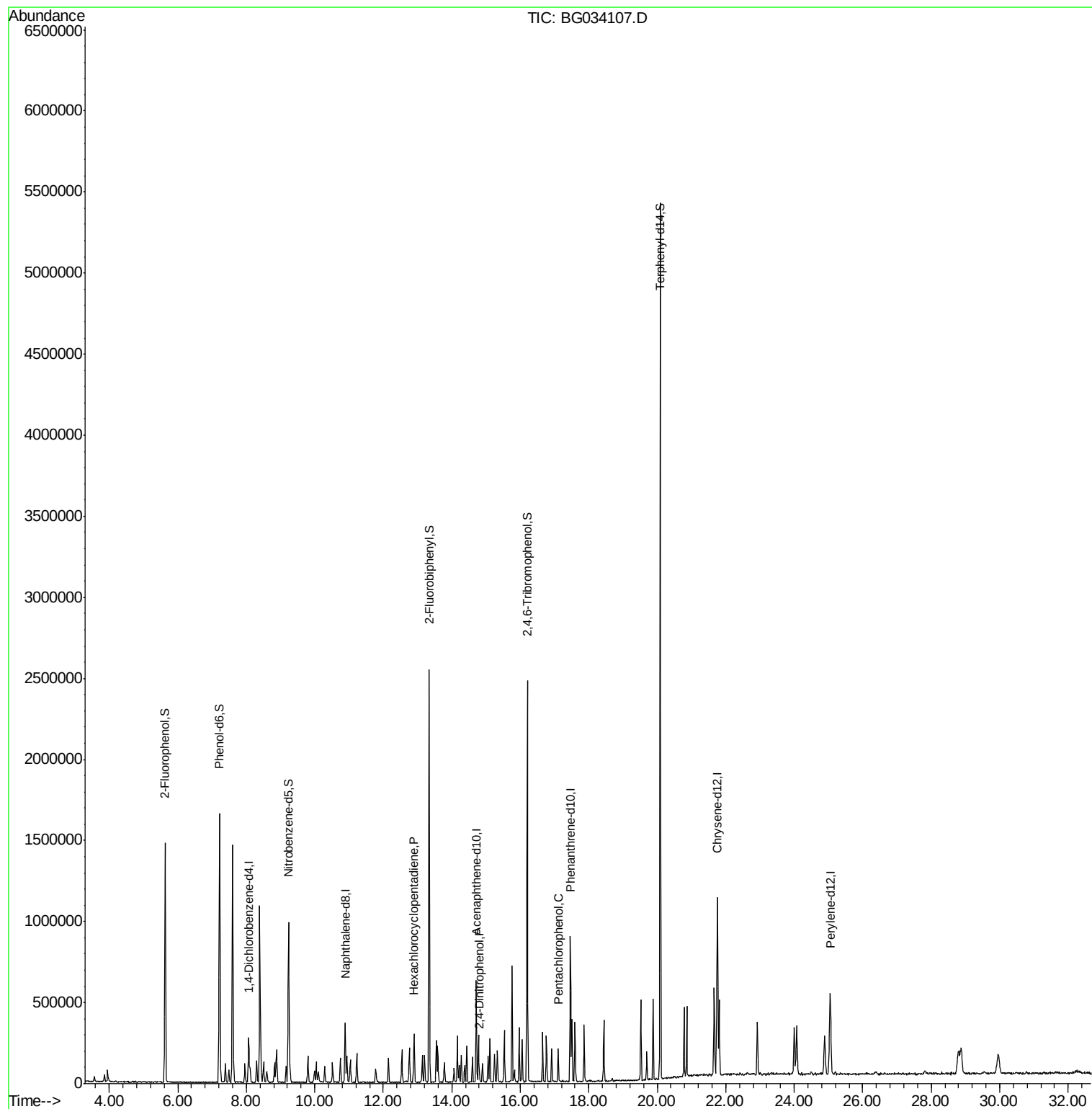
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	63939	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	271578	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	210353	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	561398	20.00	ng	0.00
75) Chrysene-d12	21.76	240	612587	20.00	ng	0.00
86) Perylene-d12	25.05	264	601721	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	530557	134.06	ng	0.00
7) Phenol-d6	7.22	99	801617	130.11	ng	0.00
23) Nitrobenzene-d5	9.23	82	586291	82.83	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	383653	131.71	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1232366	85.37	ng	0.00
78) Terphenyl-d14	20.09	244	2330033	83.32	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.89	237	37109	7.694	ng	89
53) 2,4-Dinitrophenol	14.81	184	9865	7.198	ng	# 56
69) Pentachlorophenol	17.11	266	35200	7.138	ng	90

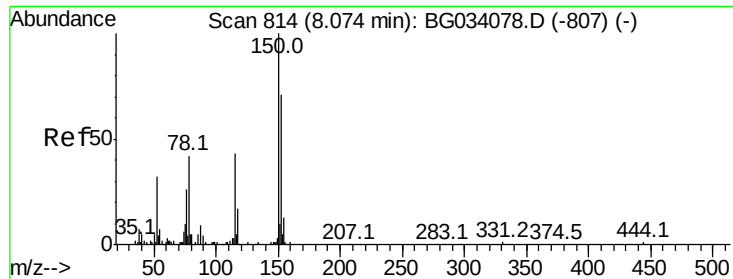
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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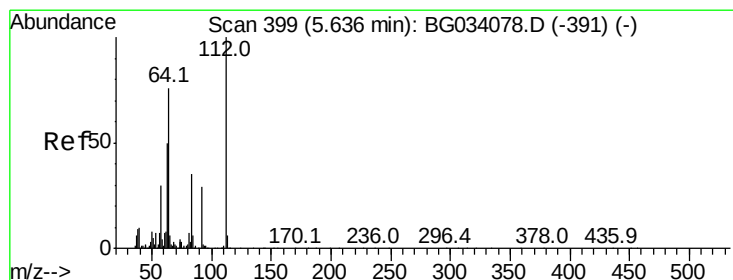
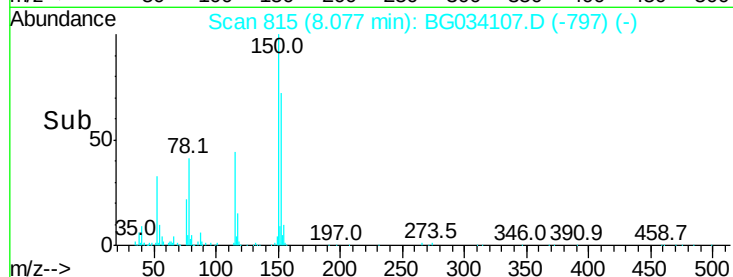
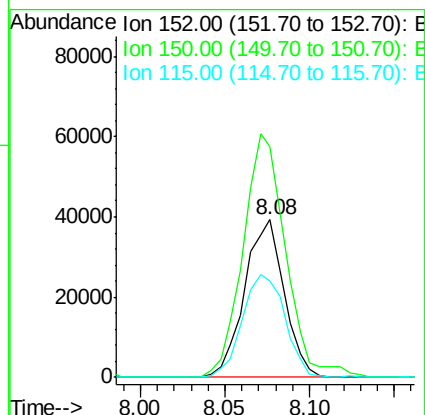
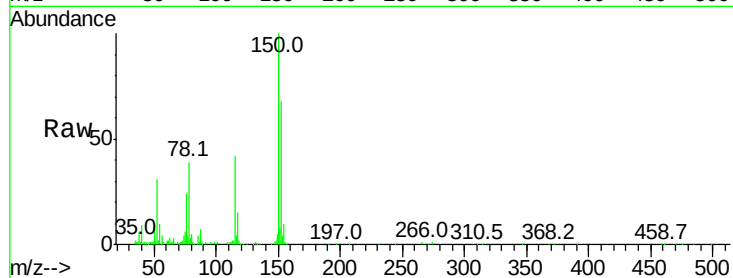


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BG034107.D
 Acq: 2 May 2018 9:17

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT2-2018

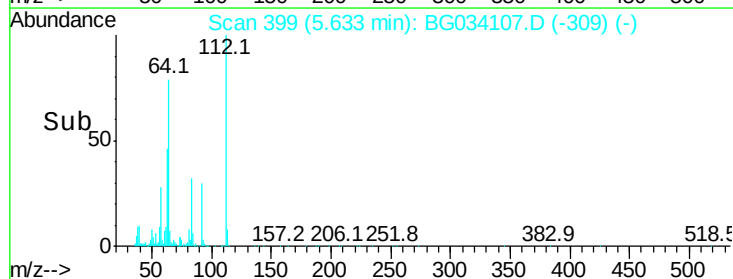
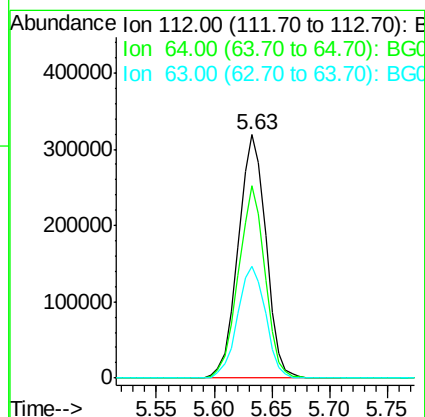
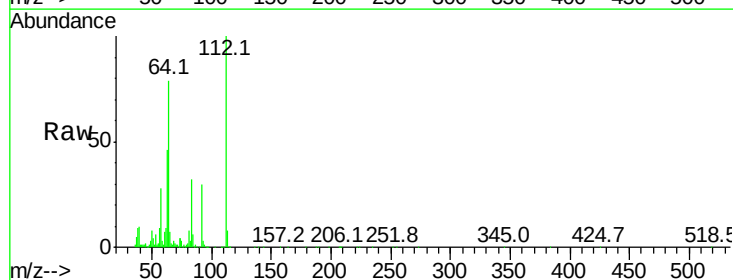
Tot Ion	152	Resp	63939
Ion Ratio	Lower	Upper	
152	100		
150	146.7	126.6	189.8
115	61.6	53.0	79.4

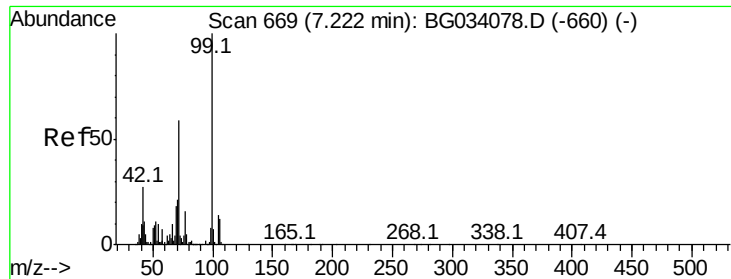


#5

2-Fluorophenol
 Concen: 134.063 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG034107.D
 Acq: 2 May 2018 9:17

Tgt Ion	112	Resp	530557
Ion Ratio	Lower	Upper	
112	100		
64	79.0	56.3	84.5
63	45.8	30.1	45.1





#7

Phenol-d6

Concen: 130.109 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT2-2018

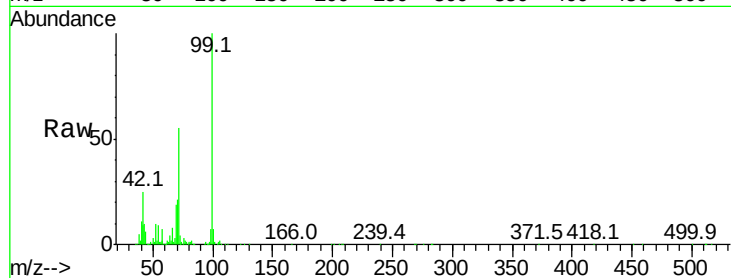
Tot Ion: 99 Resp: 801617

Ion Ratio Lower Upper

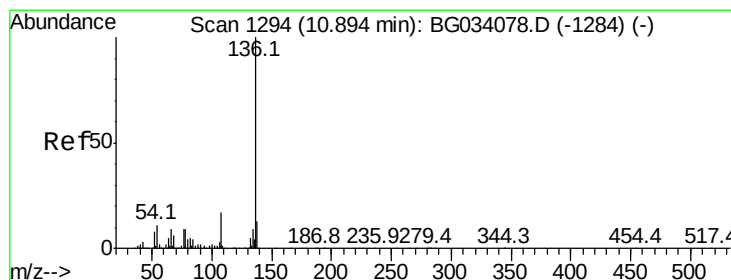
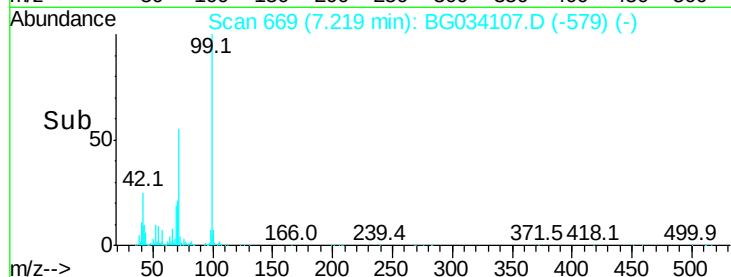
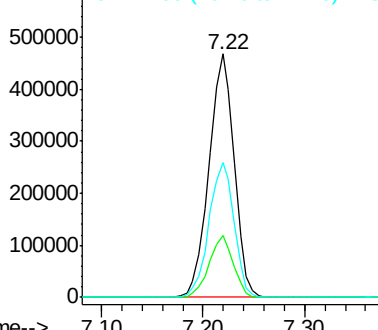
99 100

42 25.2 14.1 21.1#

71 55.3 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.89 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Tgt Ion: 136 Resp: 271578

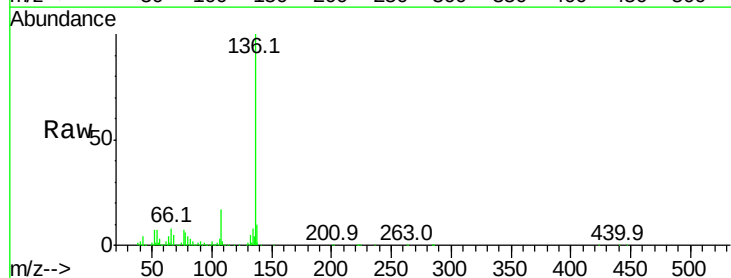
Ion Ratio Lower Upper

136 100

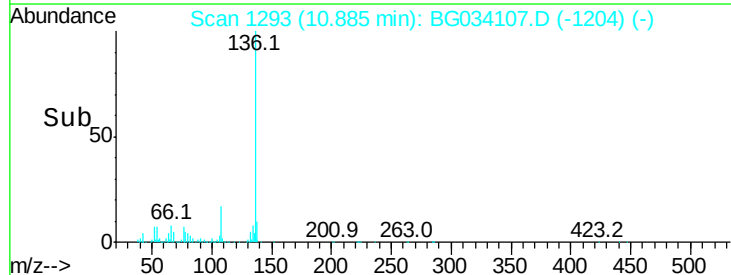
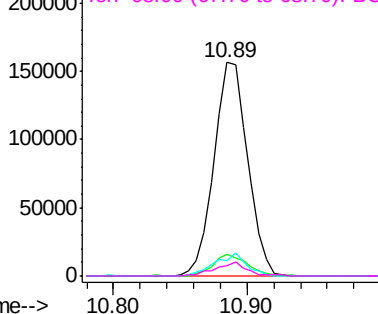
137 10.2 9.2 13.8

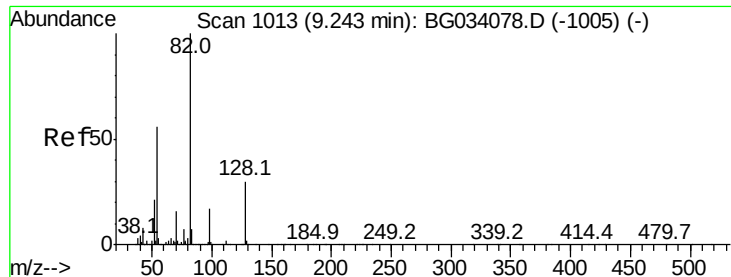
54 7.3 10.3 15.5#

68 4.7 4.5 6.7



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





#23

Nitrobenzene-d5

Concen: 82.830 ng

RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT2-2018

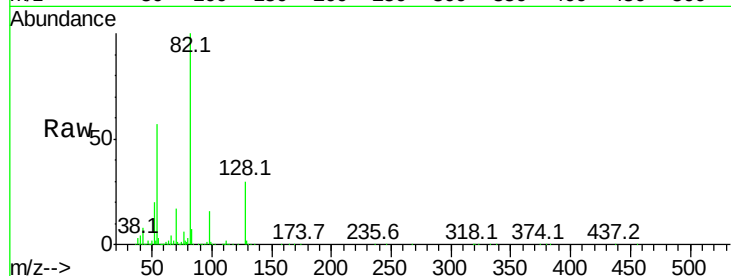
Tot Ion: 82 Resp: 586291

Ion Ratio Lower Upper

82 100

128 30.1 29.7 44.5

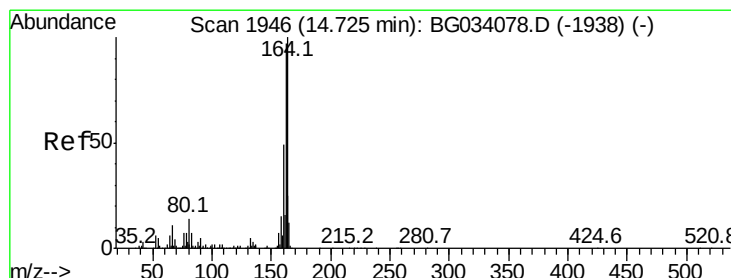
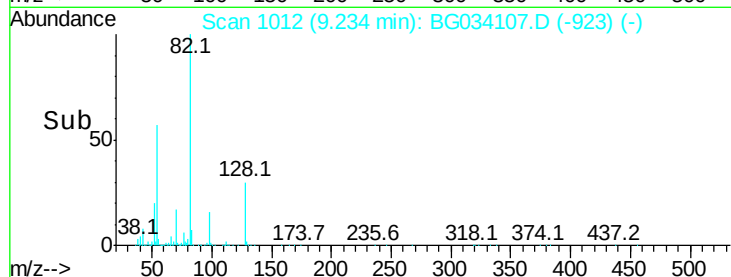
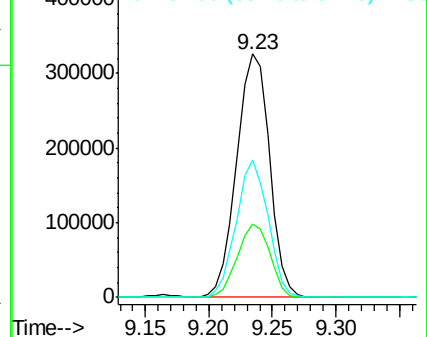
54 56.6 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

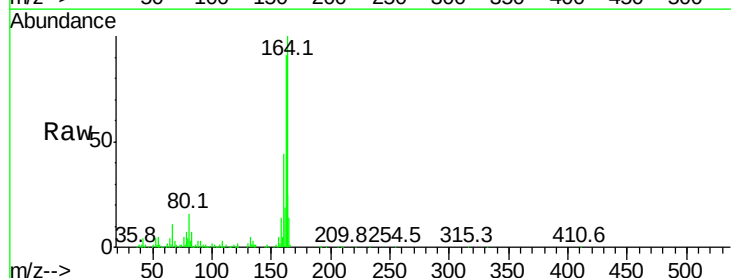
Tgt Ion:164 Resp: 210353

Ion Ratio Lower Upper

164 100

162 90.8 78.8 118.2

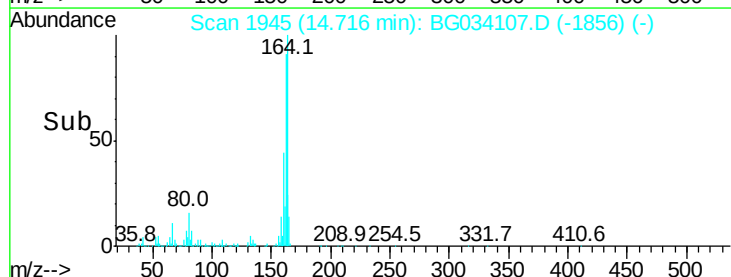
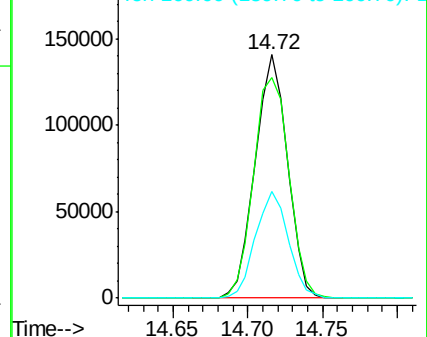
160 43.6 35.4 53.0

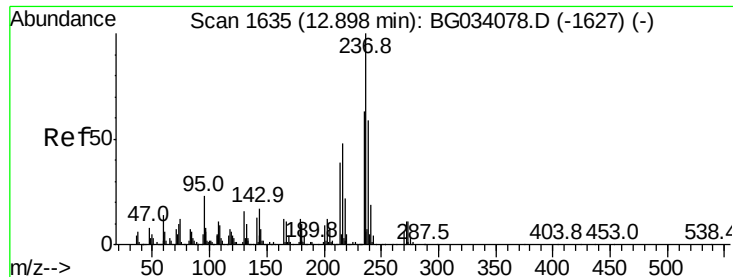


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#40

Hexachlorocyclopentadiene

Concen: 7.694 ng

RT: 12.89 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT2-2018

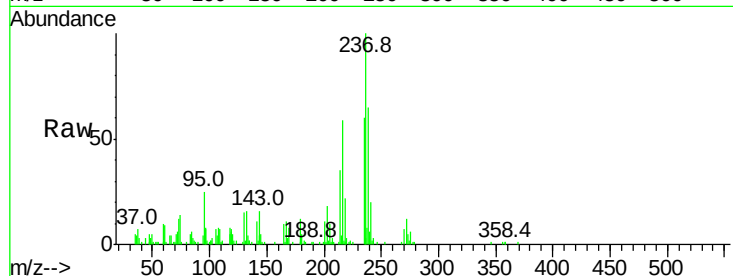
Tot Ion:237 Resp: 37109

Ion	Ratio	Lower	Upper
237	100		
235	59.6	50.4	90.4
272	11.9	0.0	31.8

237 100

235 59.6 50.4 90.4

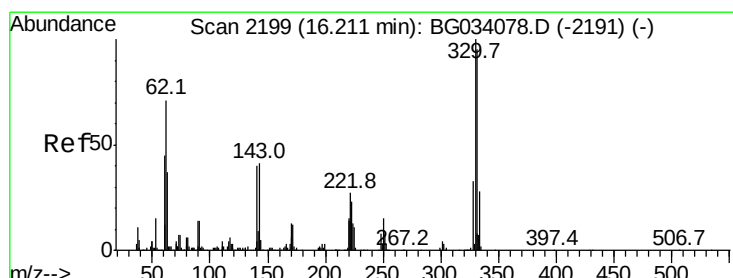
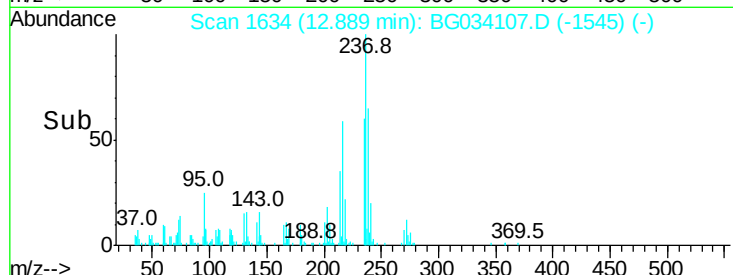
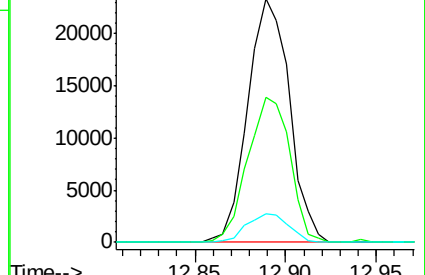
272 11.9 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 131.714 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

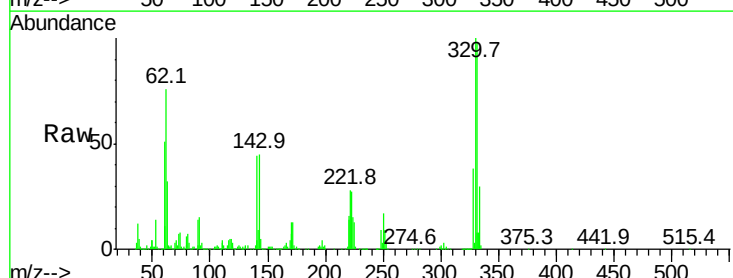
Tgt Ion:330 Resp: 383653

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	42.4	25.2	37.8#

330 100

332 96.1 77.0 115.6

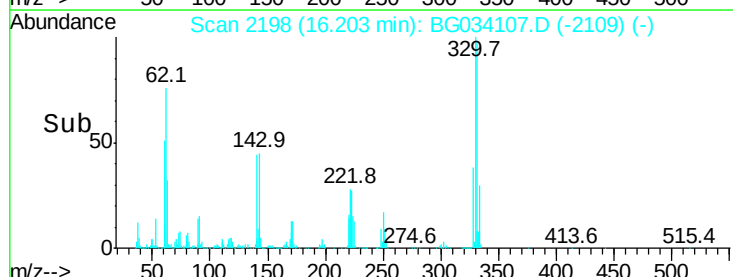
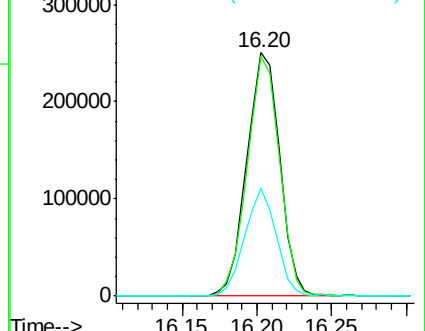
141 42.4 25.2 37.8#

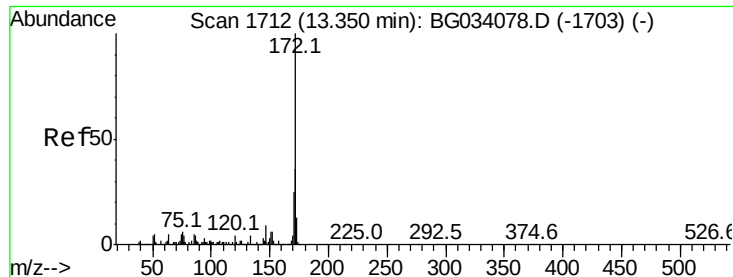


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

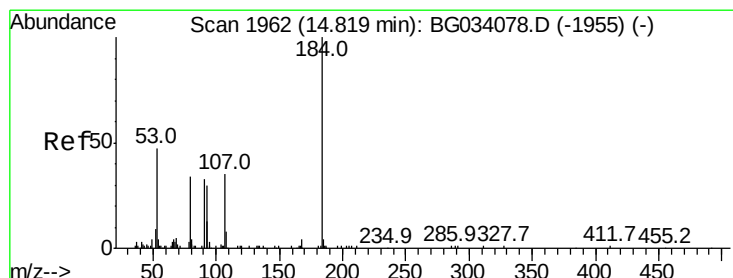
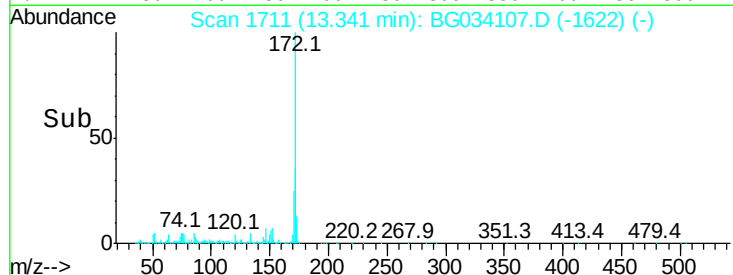
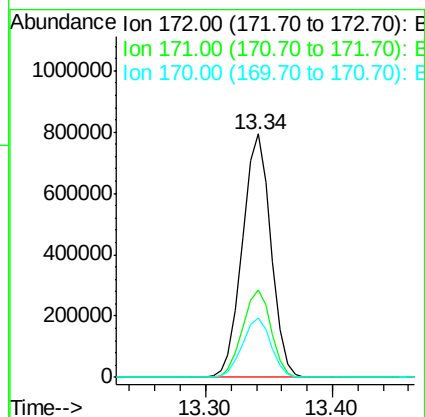
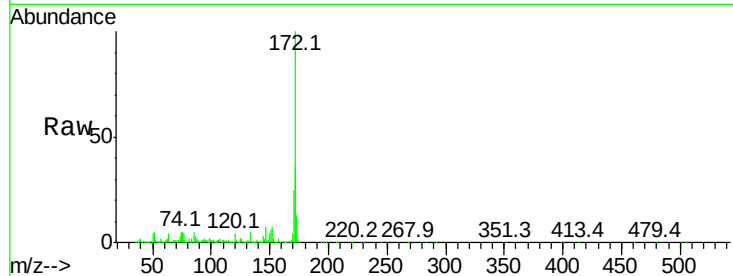




#44
2-Fluorobiphenyl
Concen: 85.368 ng
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG034107.D
Acq: 2 May 2018 9:17

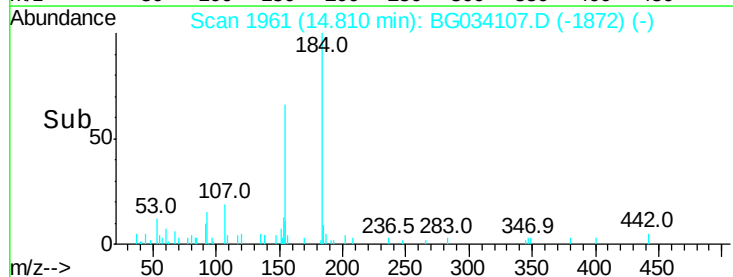
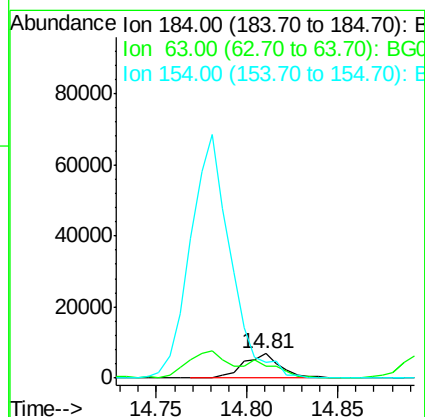
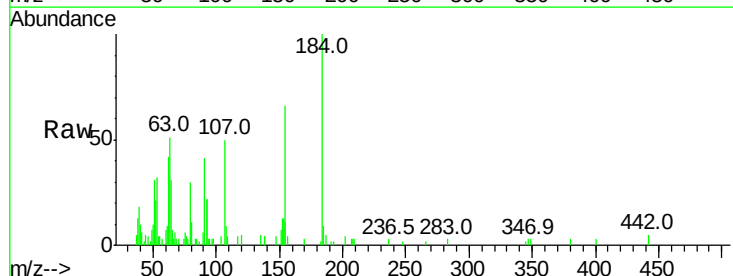
Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

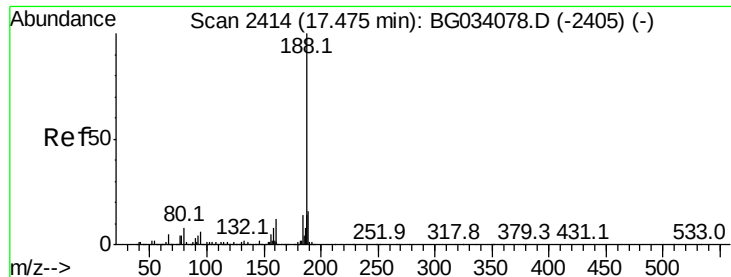
Tot Ion:172 Resp: 1232366
Ion Ratio Lower Upper
172 100
171 36.1 30.0 45.0
170 24.6 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 7.198 ng
RT: 14.81 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BG034107.D
Acq: 2 May 2018 9:17

Tgt Ion:184 Resp: 9865
Ion Ratio Lower Upper
184 100
63 50.7 59.8 89.8#
154 66.2 101.8 152.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT2-2018

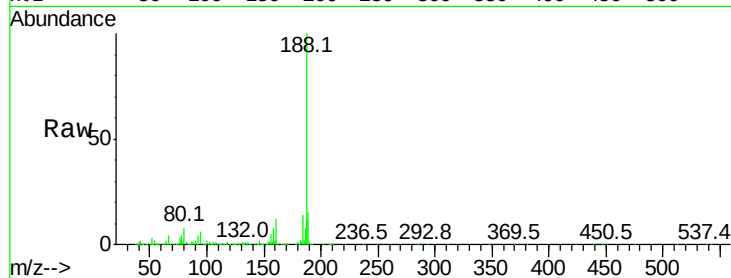
Tot Ion:188 Resp: 561398

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

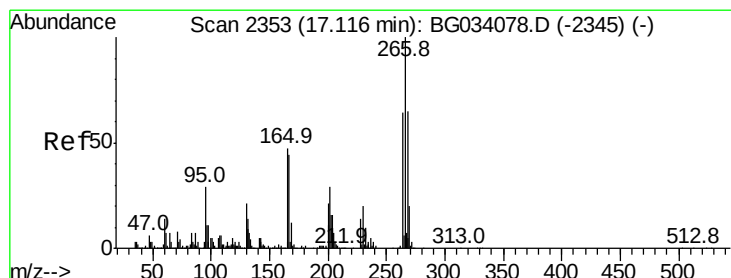
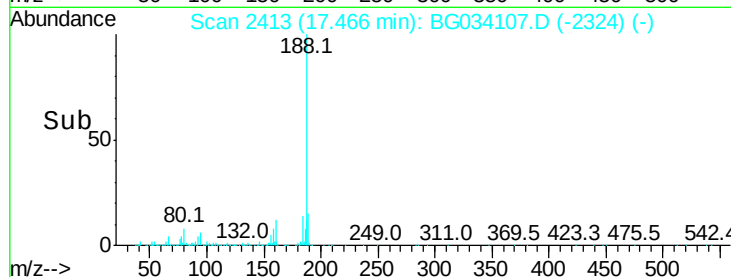
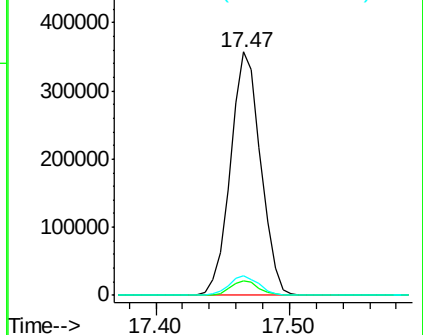
80 8.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Pentachlorophenol

Concen: 7.138 ng

RT: 17.11 min Scan# 2352

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

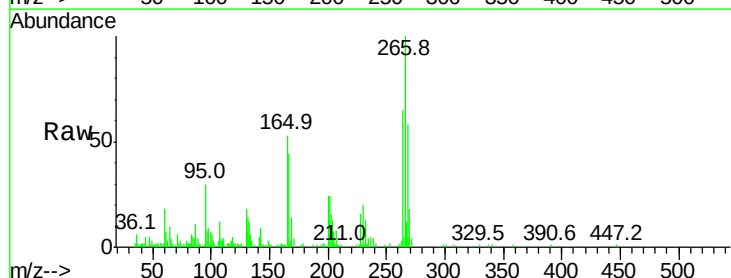
Tgt Ion:266 Resp: 35200

Ion Ratio Lower Upper

266 100

268 57.8 51.1 76.7

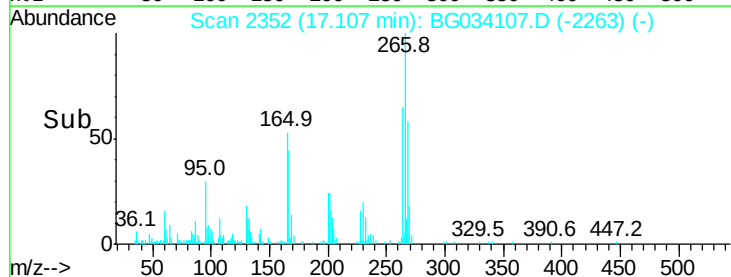
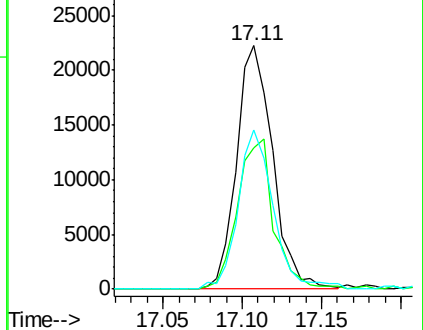
264 70.8 49.6 74.4

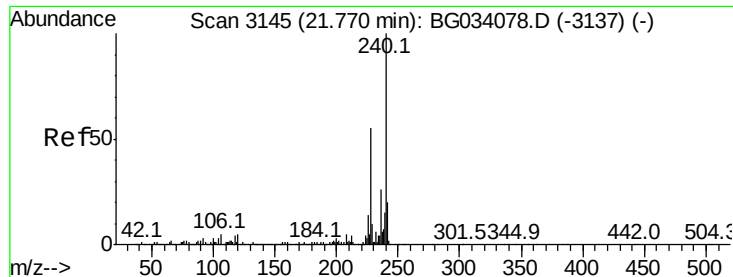


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

Instrument :

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MDL-WATER-03-QT2-2018

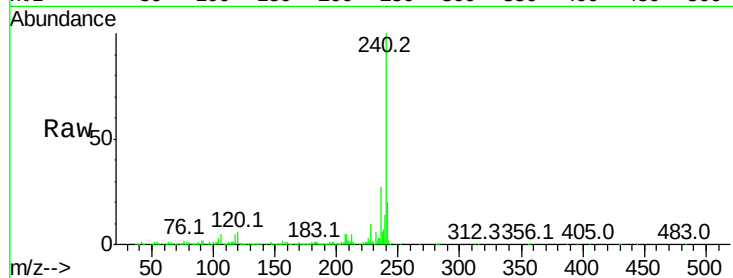
Tot Ion:240 Resp: 612587

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

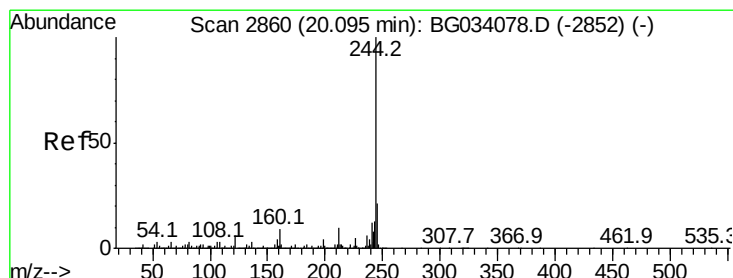
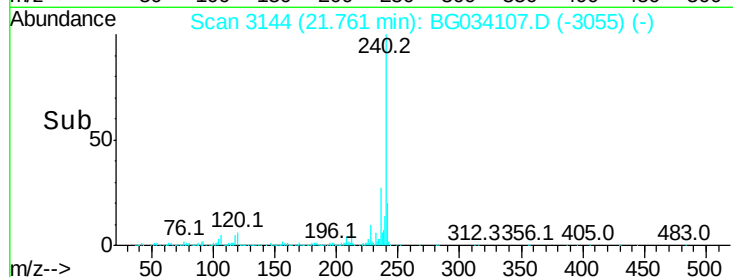
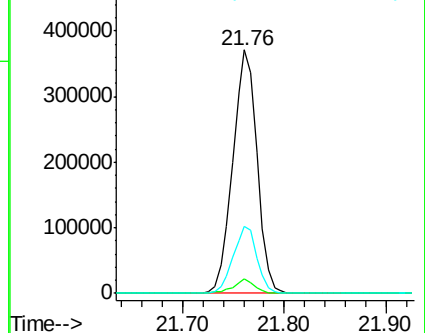
236 27.4 20.9 31.3



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: 83.324 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034107.D

Acq: 2 May 2018 9:17

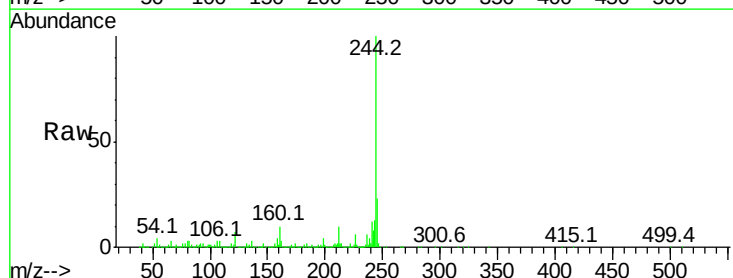
Tgt Ion:244 Resp: 2330033

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

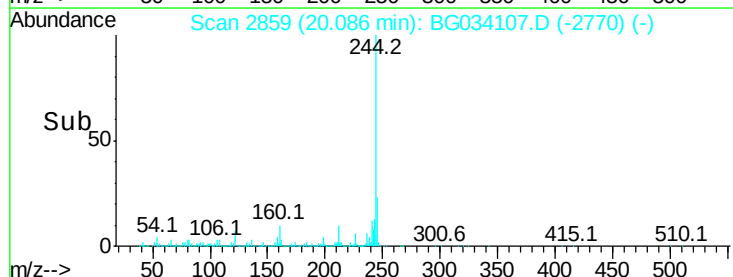
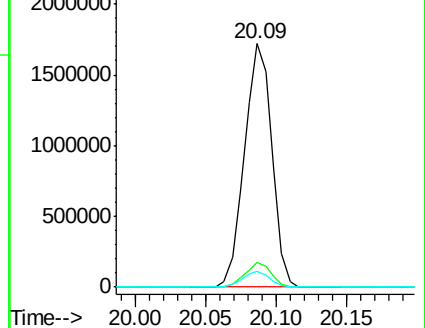
122 6.6 7.0 10.4#

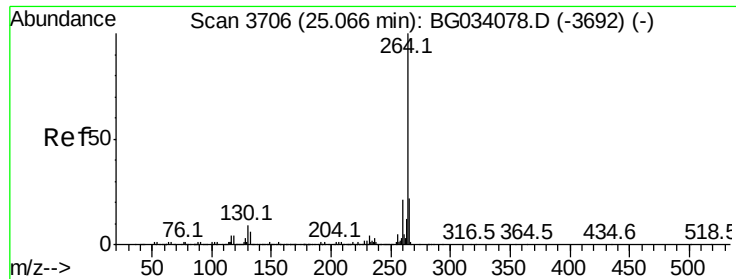


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.05 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG034107.D
Acq: 2 May 2018 9:17

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.5	17.7	26.5

