

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016049.D
 Acq On : 24 Jul 2018 05:26
 Operator : SJ/JU
 Sample : J3762-09
 Misc : MDL 1 PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 24 09:17:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	43043	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	162838	20.00	ng	0.00
38) Acenaphthene-d10	14.85	164	84559	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	181934	20.00	ng	0.00
75) Chrysene-d12	21.70	240	189523	20.00	ng	0.00
86) Perylene-d12	24.07	264	197816	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	327839	126.52	ng	0.00
7) Phenol-d6	7.38	99	399182	117.96	ng	0.00
23) Nitrobenzene-d5	9.41	82	307514	87.84	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	136558	127.33	ng	0.00
44) 2-Fluorobiphenyl	13.47	172	615265	88.53	ng	0.00
78) Terphenyl-d14	20.15	244	1120612	123.77	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.57	93	1683	0.432	ng	# 80
8) 2-Chlorophenol	7.79	128	2219	0.721	ng	# 41
9) Benzaldehyde	7.38	77	1045	0.440	ng	# 2
10) Phenol	7.41	94	2731	0.807	ng	# 13
11) bis(2-Chloroethyl)ether	7.66	93	1451	0.543	ng	# 58
12) 1,3-Dichlorobenzene	8.13	146	3087	0.856	ng	# 80
13) 1,4-Dichlorobenzene	8.26	146	2811	0.769	ng	# 93
14) 1,2-Dichlorobenzene	8.59	146	2984	0.834	ng	# 95
15) Benzyl Alcohol	8.55	79	5984	2.221	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	8.76	45	3019	0.738	ng	# 47
18) Hexachloroethane	9.31	117	1186	0.750	ng	# 95
24) Nitrobenzene	9.46	77	3499	0.993	ng	# 82
31) Naphthalene	11.10	128	7246	0.879	ng	# 92
34) Hexachlorobutadiene	11.36	225	1539	0.750	ng	# 76
37) 2-Methylnaphthalene	12.71	142	4974	0.901	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	13.07	216	2374	0.825	ng	# 100
45) 1,1'-Biphenyl	13.70	154	7249	0.950	ng	# 91
46) 2-Chloronaphthalene	13.75	162	4932	0.831	ng	# 84
48) Acenaphthylene	14.59	152	7034	0.810	ng	# 93
49) Dimethylphthalate	14.31	163	6184	0.836	ng	# 97
50) 2,6-Dinitrotoluene	14.45	165	779	0.523	ng	# 62
51) Acenaphthene	14.92	154	4594	0.860	ng	# 81
54) Dibenzofuran	15.26	168	7537	0.856	ng	# 90
57) Fluorene	15.90	166	5499	0.840	ng	# 98
58) 2,3,4,6-Tetrachlorophenol	15.49	232	1003	0.628	ng	# 100
59) Diethylphthalate	15.65	149	6148	0.771	ng	# 96
62) Azobenzene	16.17	77	4835	0.576	ng	# 77
65) n-Nitrosodiphenylamine	16.10	169	4534	0.757	ng	# 89
66) 4-Bromophenyl-phenylether	16.78	248	1380	0.670	ng	# 62
67) Hexachlorobenzene	16.89	284	1865	0.822	ng	# 70
68) Atrazine	17.03	200	1388	0.646	ng	# 81
70) Phenanthrene	17.63	178	9778	0.960	ng	# 91
71) Anthracene	17.73	178	8056	0.814	ng	# 93
72) Carbazole	18.01	167	6284	0.613	ng	# 96

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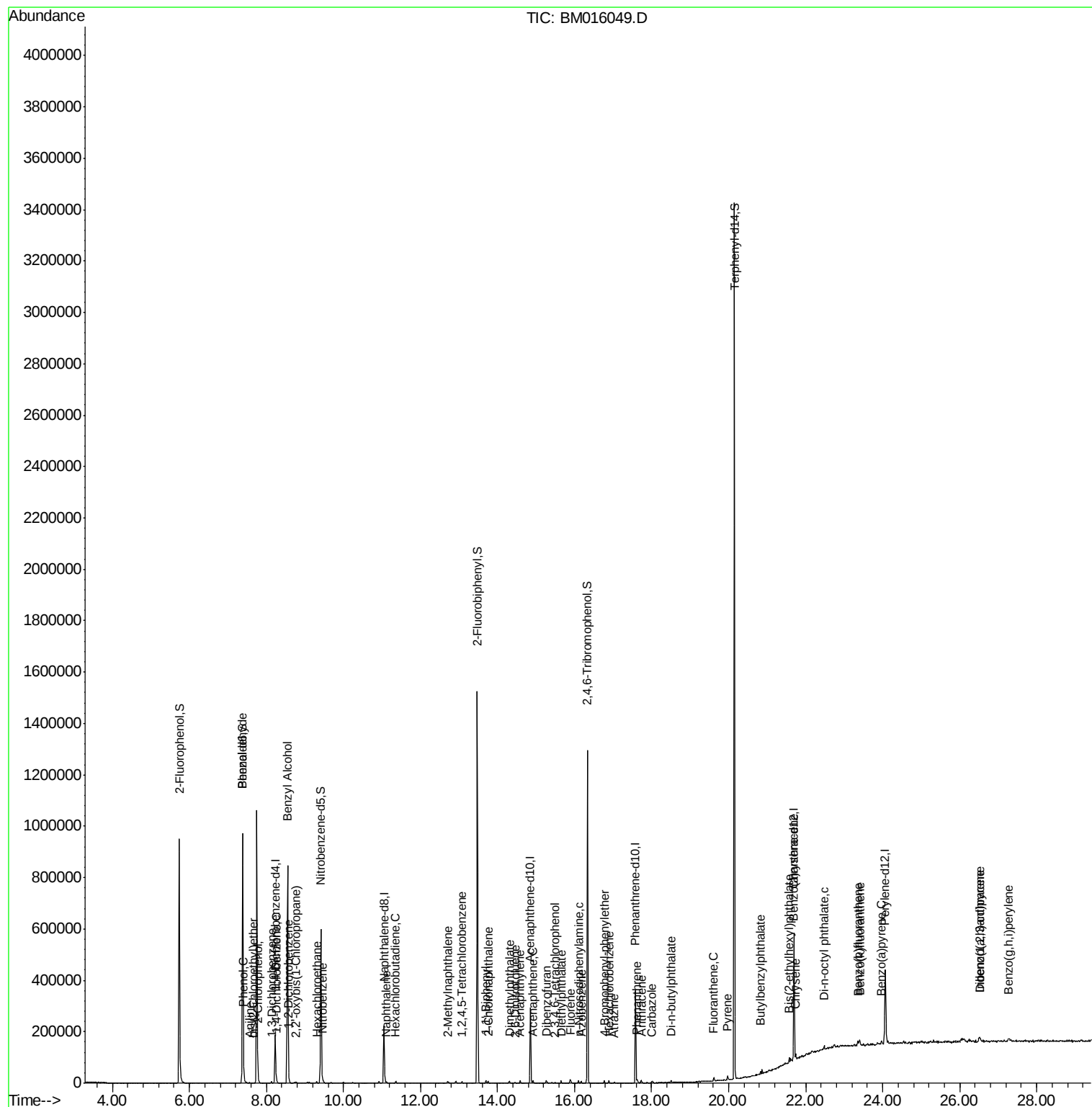
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Di-n-butylphthalate	18.51	149	8467	0.663	nq	# 95
74) Fluoranthene	19.62	202	9578	0.843	nq	98
77) Pyrene	19.97	202	9423	0.830	nq	98
79) Butylbenzylphthalate	20.82	149	4013	0.696	nq	# 80
80) Benzo(a)anthracene	21.69	228	11181	0.958	nq	92
82) Chrysene	21.74	228	10412	0.930	nq	92
83) Bis(2-ethylhexyl)phthalate	21.57	149	5879	0.703	nq	# 93
84) Di-n-octyl phthalate	22.48	149	9903	0.705	nq	# 59
85) Indeno(1,2,3-cd)pyrene	26.51	276	12188	0.917	nq	97
87) Benzo(b)fluoranthene	23.36	252	11239	0.965	nq	# 93
88) Benzo(k)fluoranthene	23.40	252	12537	1.062	nq	# 78
89) Benzo(a)pyrene	23.97	252	11572	1.034	nq	97
90) Dibenzo(a,h)anthracene	26.51	278	10123	0.873	nq	98
91) Benzo(q,h,i)perylene	27.28	276	10559	0.962	nq	# 89

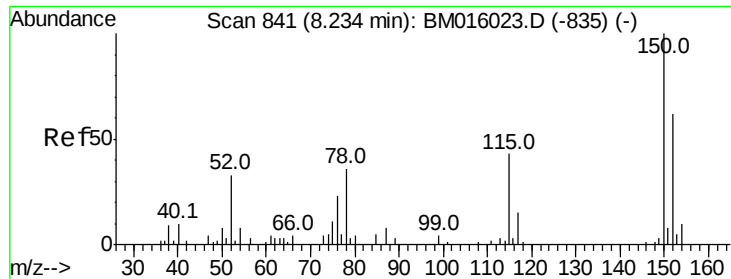
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.23 min Scan# 840

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

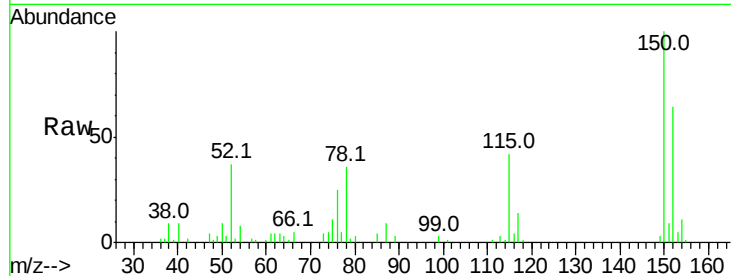
Tot Ion:152 Resp: 43043

Ion Ratio Lower Upper

152 100

150 156.3 119.5 179.3

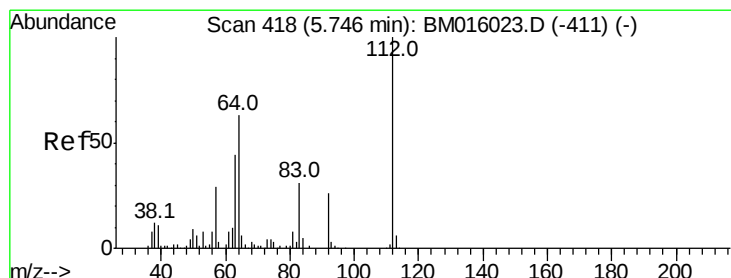
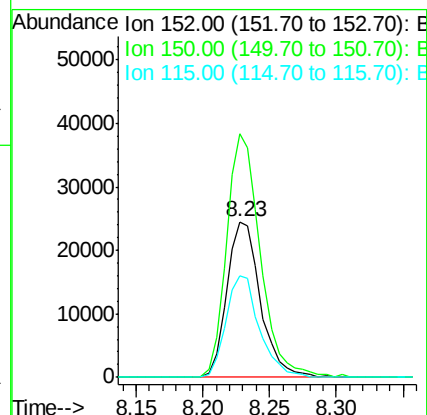
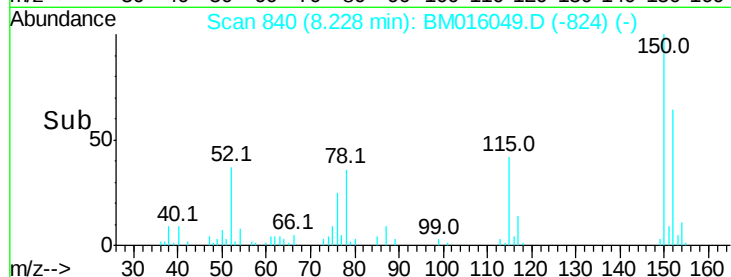
115 65.0 43.0 64.4#



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



#5

2-Fluorophenol

Concen: N.D. ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

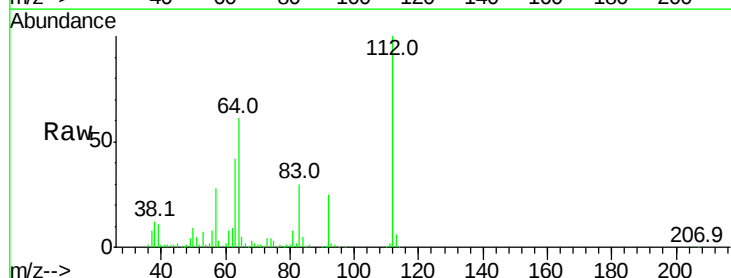
Tgt Ion:112 Resp: 327839

Ion Ratio Lower Upper

112 100

64 60.6 38.6 57.8#

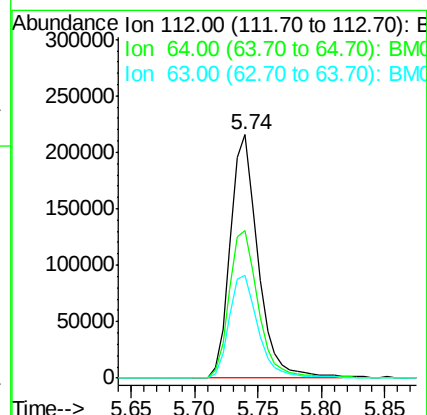
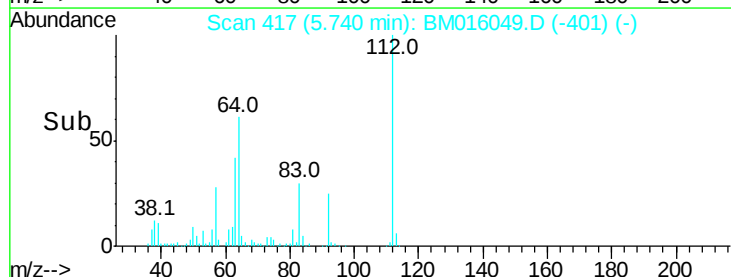
63 42.0 19.3 28.9#

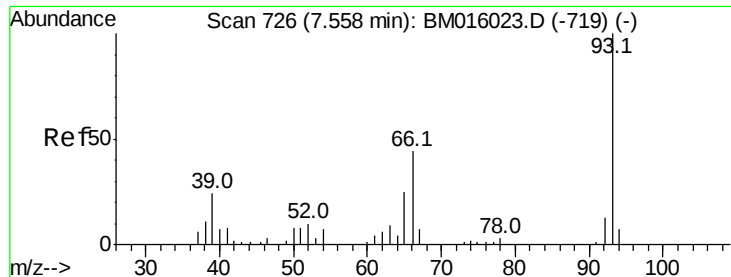


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#6

Aniline

Concen: 0.432 ng

RT: 7.57 min Scan# 728

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

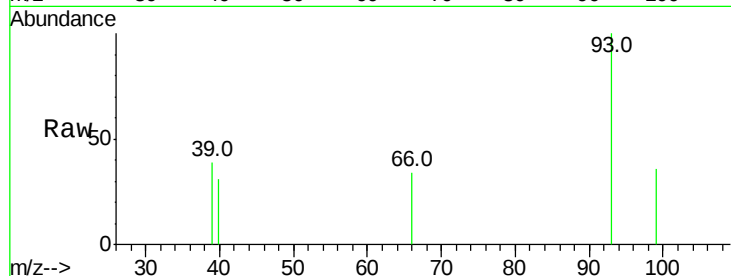
Tot Ion: 93 Resp: 1683

Ion Ratio Lower Upper

93 100

66 33.6 30.8 46.2

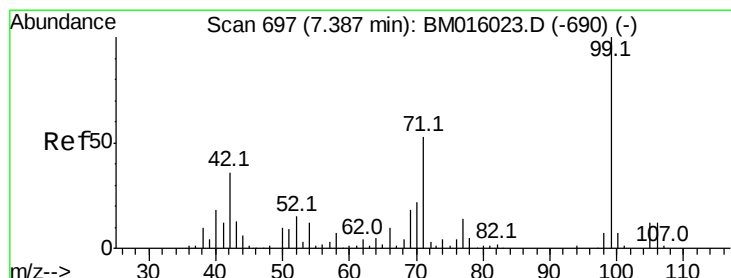
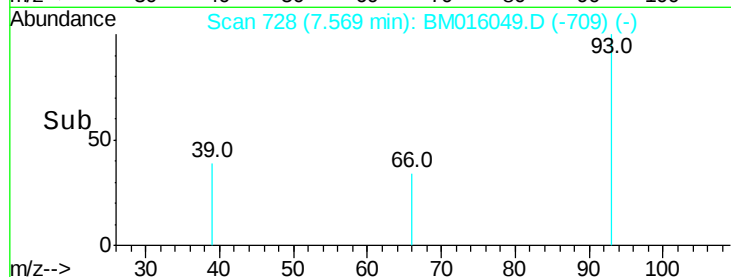
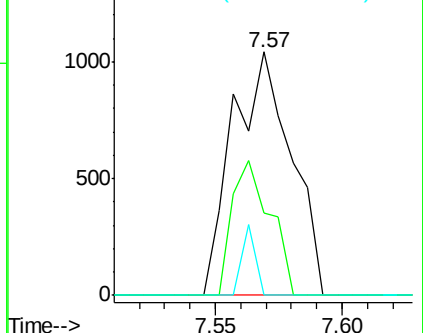
65 0.0 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-719) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-719) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-719) (-)



#7

Phenol-d6

Concen: 0.432 ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

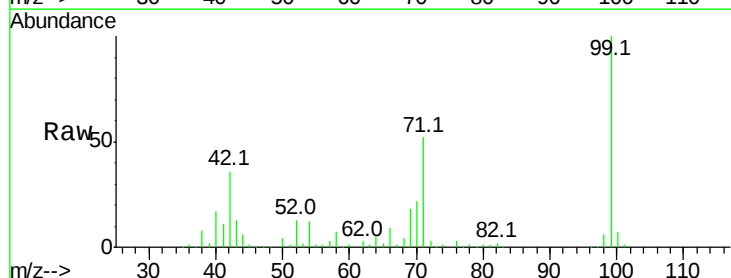
Tgt Ion: 99 Resp: 399182

Ion Ratio Lower Upper

99 100

42 35.5 11.0 16.4#

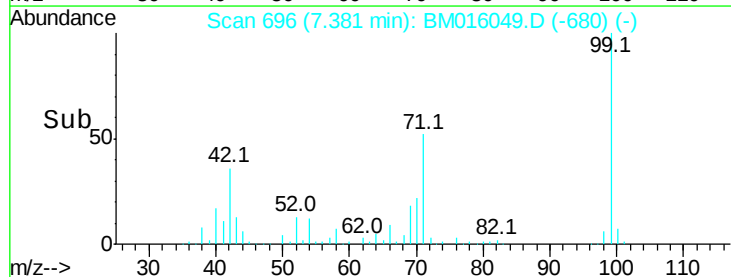
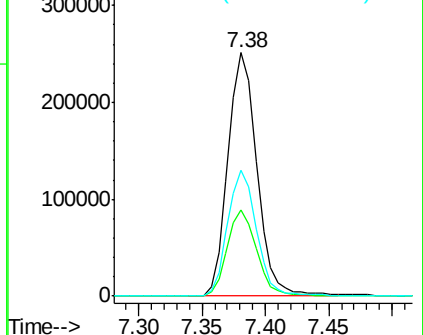
71 51.9 23.4 35.2#

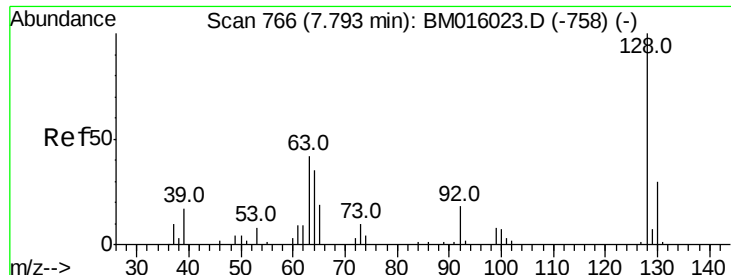


Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)





#8

2-Chlorophenol

Concen: 0.721 ng

RT: 7.79 min Scan# 765

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

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ClientSampleId :

MDL-WATER-03-QT3-2018

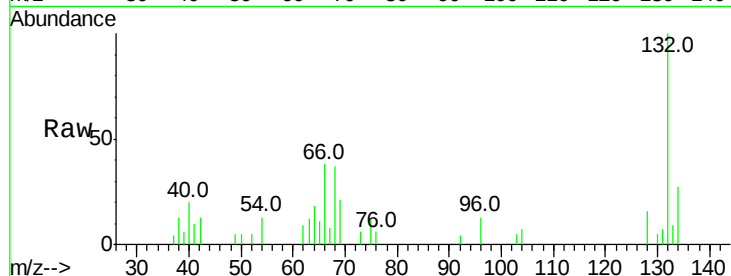
Tot Ion:128 Resp: 2219

Ion Ratio Lower Upper

128 100

130 31.7 12.0 52.0

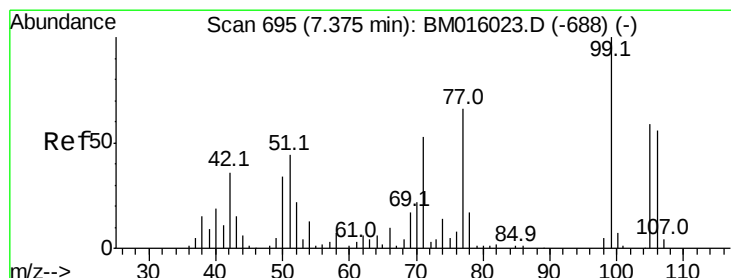
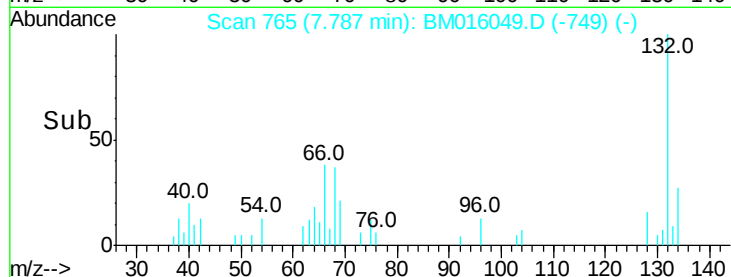
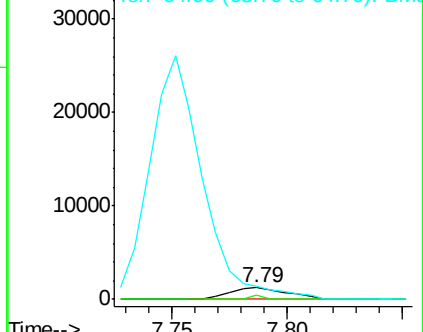
64 111.0 24.9 64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 0.440 ng

RT: 7.38 min Scan# 696

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

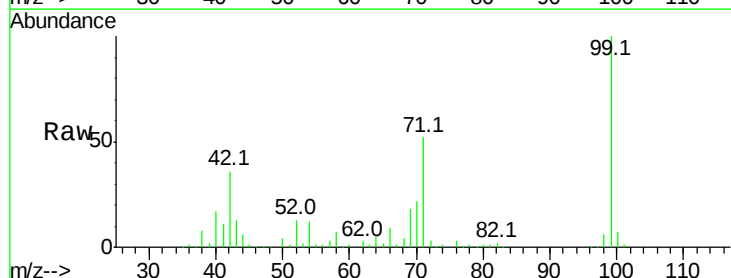
Tgt Ion: 77 Resp: 1045

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

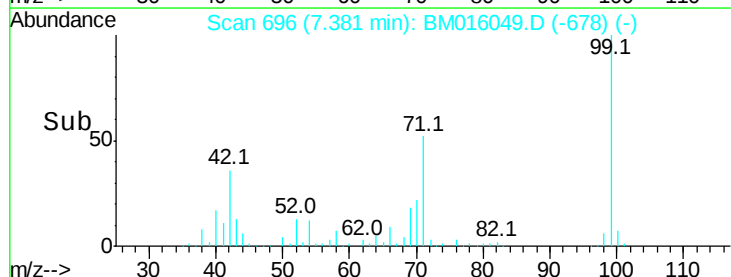
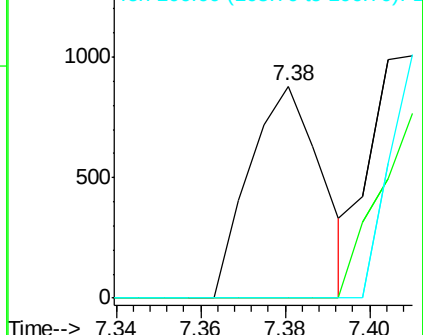
106 0.0 73.7 113.7#

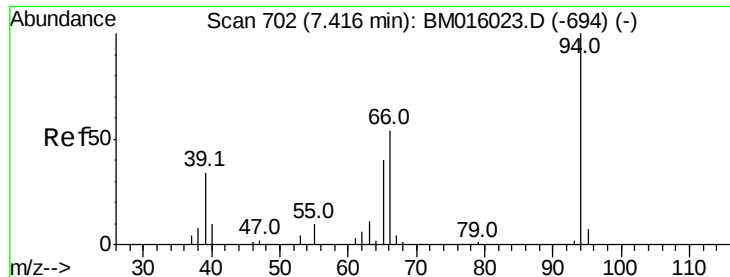


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.807 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016049.D

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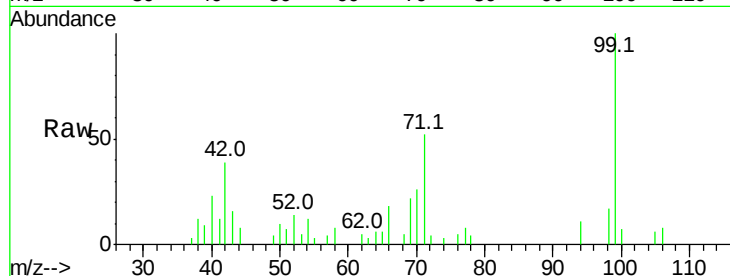
Tot Ion: 94 Resp: 2731

Ion Ratio Lower Upper

94 100

65 54.4 18.8 58.8

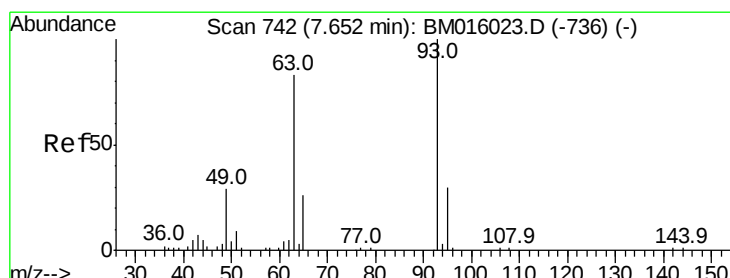
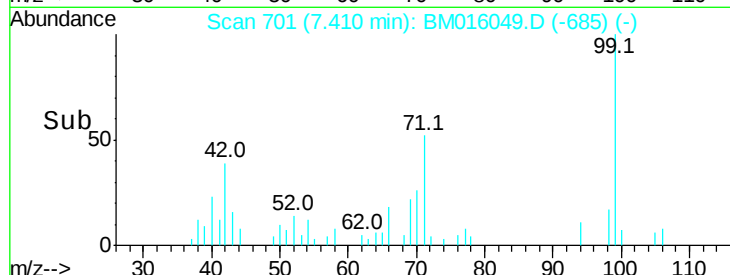
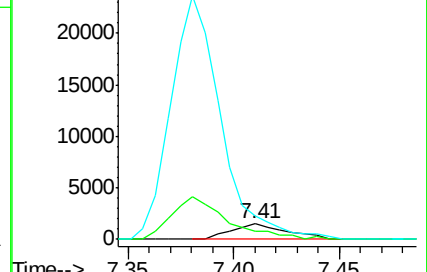
66 155.1 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)



#11

bis(2-Chloroethyl)ether

Concen: 0.543 ng

RT: 7.66 min Scan# 744

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

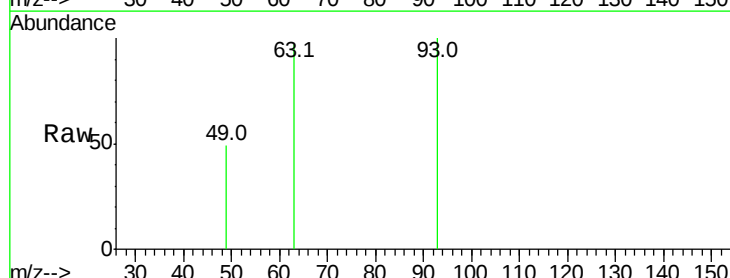
Tgt Ion: 93 Resp: 1451

Ion Ratio Lower Upper

93 100

63 97.1 49.5 89.5#

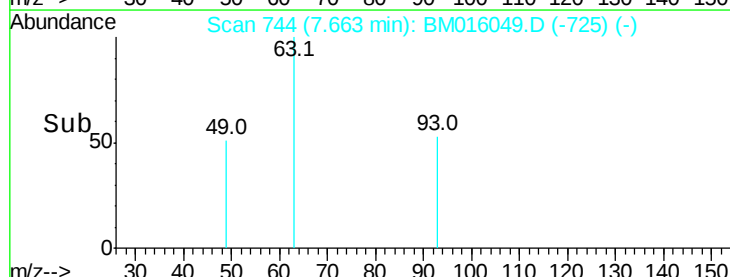
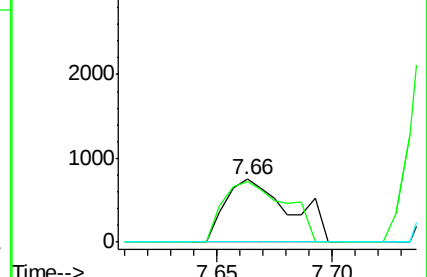
95 0.0 13.5 53.5#

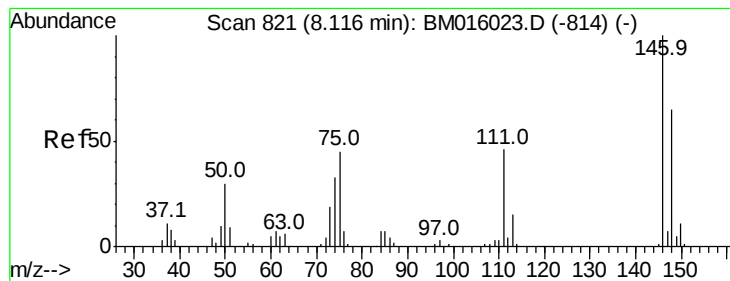


Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-736) (-)

Ion 63.00 (62.70 to 63.70): BM016023.D (-736) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-736) (-)





#12

1,3-Dichlorobenzene

Concen: 0.856 ng

RT: 8.13 min Scan# 823

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

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ClientSampleId :

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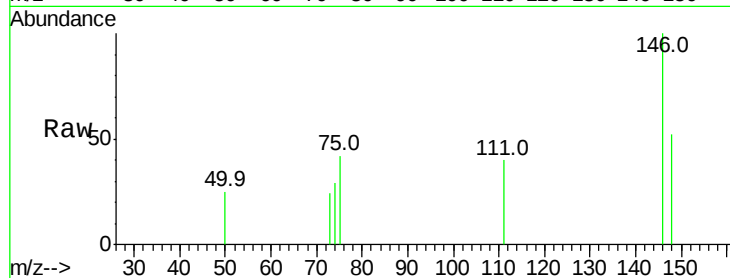
Tot Ion:146 Resp: 3087

Ion Ratio Lower Upper

146 100

148 51.7 50.9 76.3

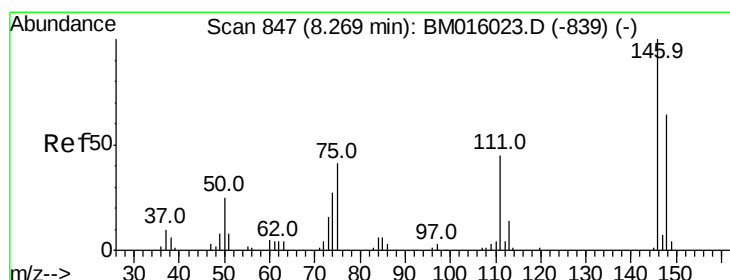
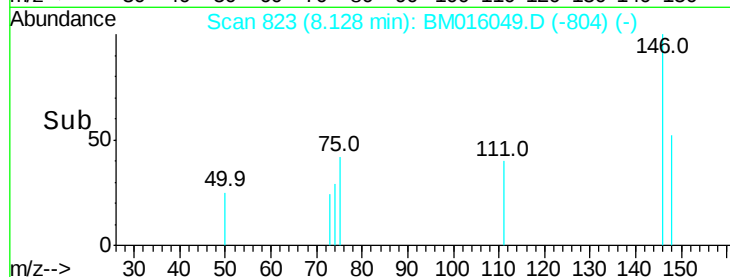
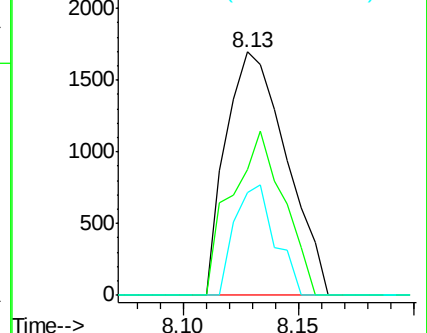
75 42.2 21.4 32.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BM



#13

1,4-Dichlorobenzene

Concen: 0.769 ng

RT: 8.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

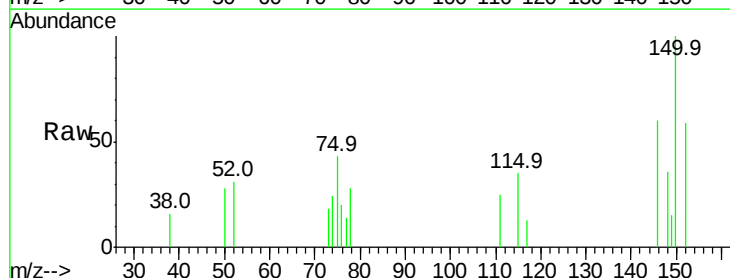
Tgt Ion:146 Resp: 2811

Ion Ratio Lower Upper

146 100

148 59.3 51.9 77.9

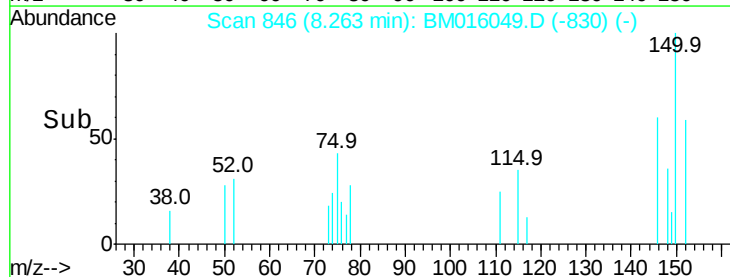
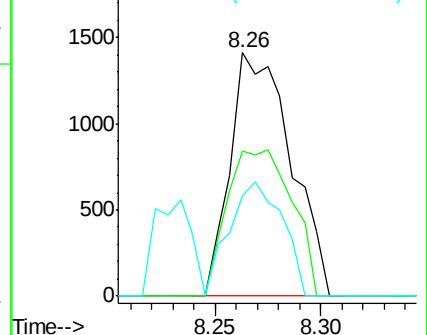
111 41.0 29.2 43.8

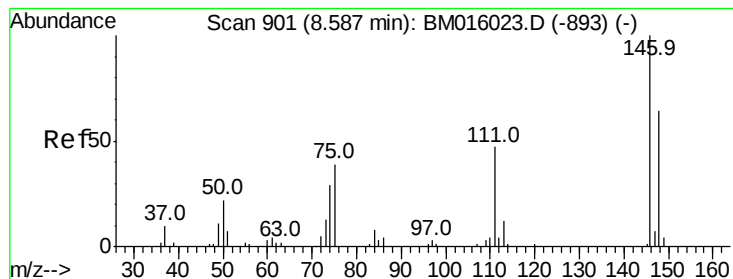


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

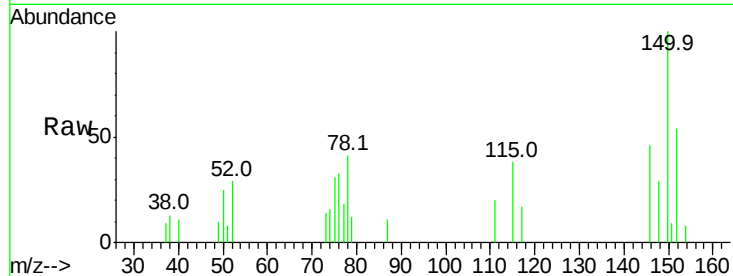




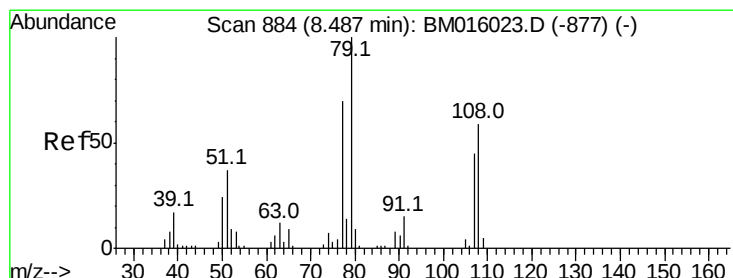
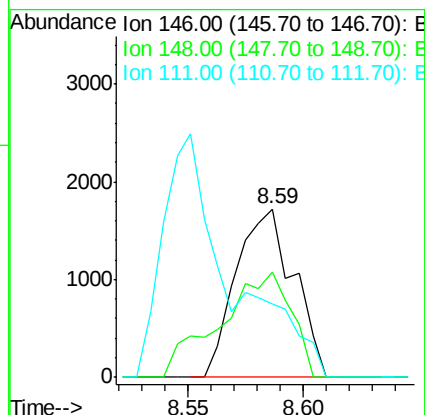
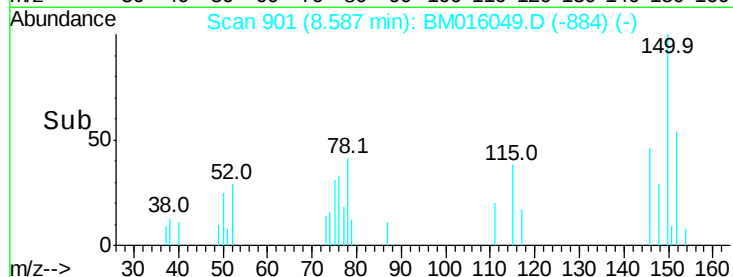
#14
 1,2-Dichlorobenzene
 Concen: 0.834 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:146 Resp: 2984
 Ion Ratio Lower Upper
 146 100
 148 62.7 52.3 78.5
 111 43.4 30.6 45.8

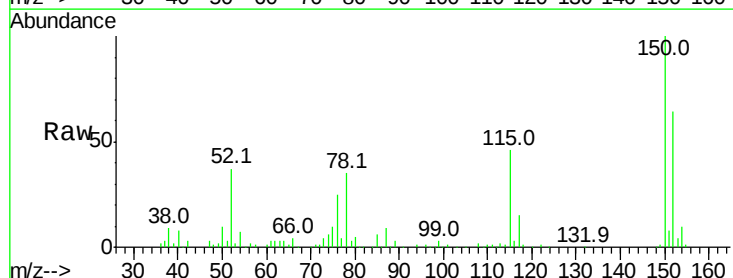


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

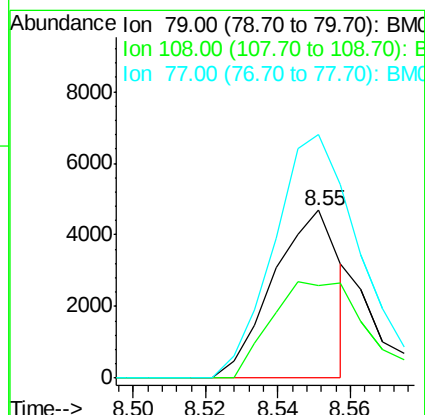
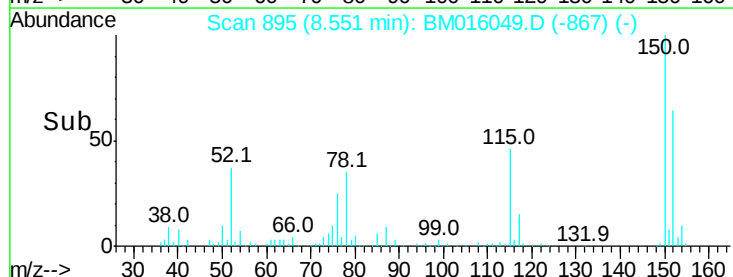


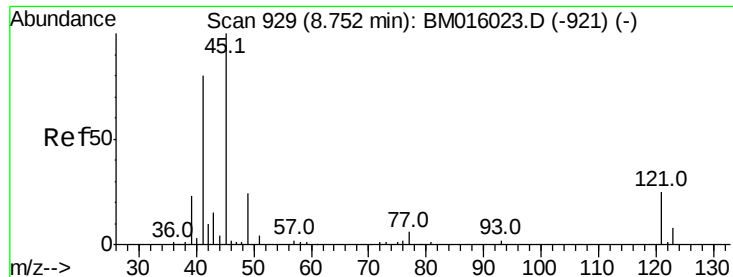
#15
 Benzyl Alcohol
 Concen: 2.221 ng
 RT: 8.55 min Scan# 895
 Delta R.T. 0.06 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion: 79 Resp: 5984
 Ion Ratio Lower Upper
 79 100
 108 55.3 65.0 97.4#
 77 144.9 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BM

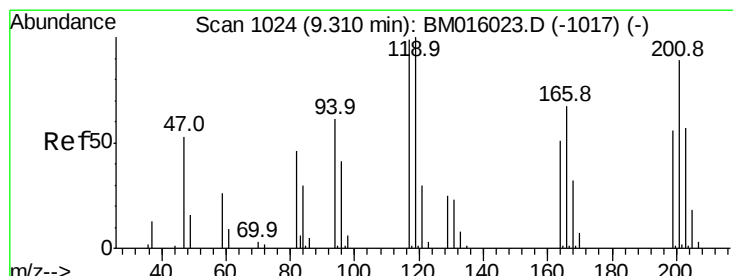
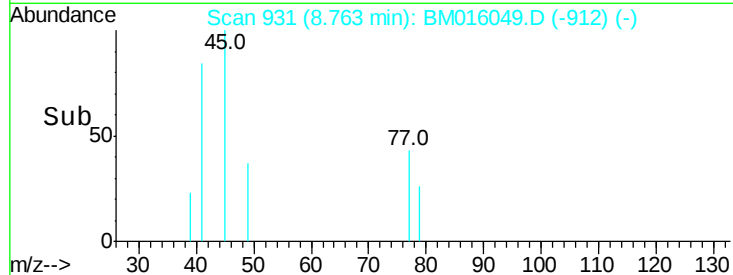
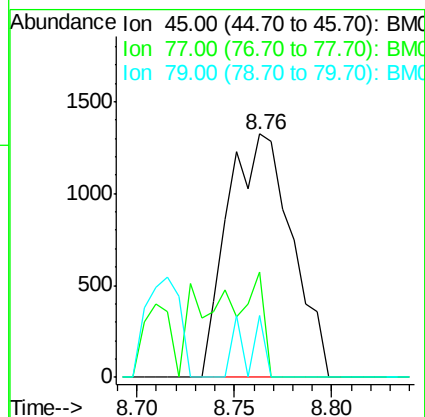
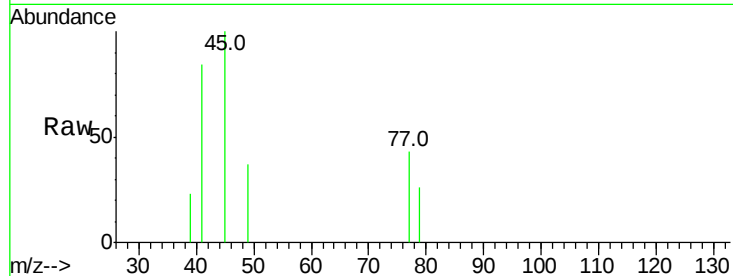




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.738 ng
RT: 8.76 min Scan# 931
Delta R.T. 0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

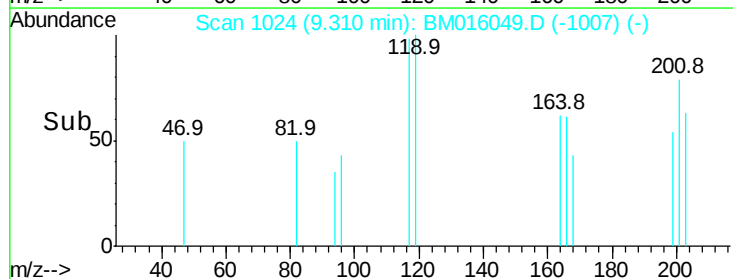
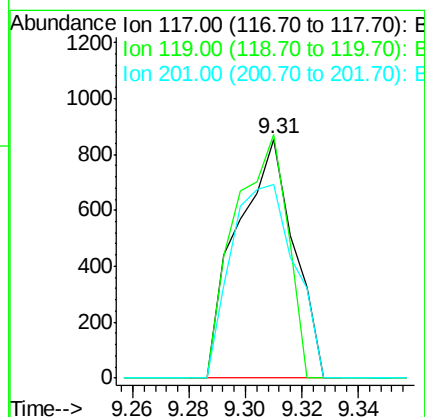
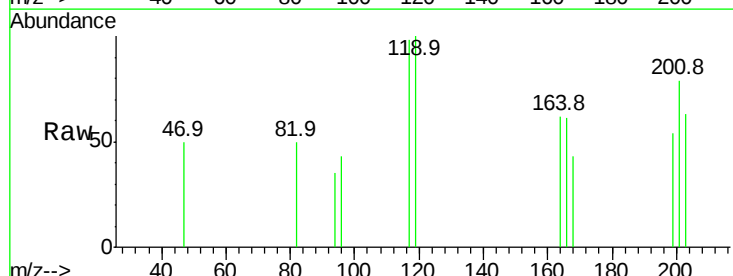
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

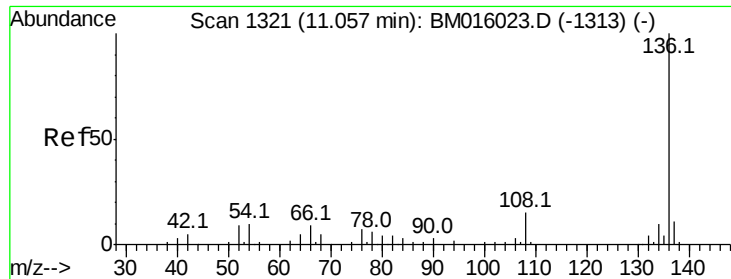
Tot Ion: 45 Resp: 3019
Ion Ratio Lower Upper
45 100
77 43.5 0.0 35.2#
79 25.6 0.0 32.0



#18
Hexachloroethane
Concen: 0.750 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion: 117 Resp: 1186
Ion Ratio Lower Upper
117 100
119 102.0 79.2 118.8
201 81.0 69.8 104.6

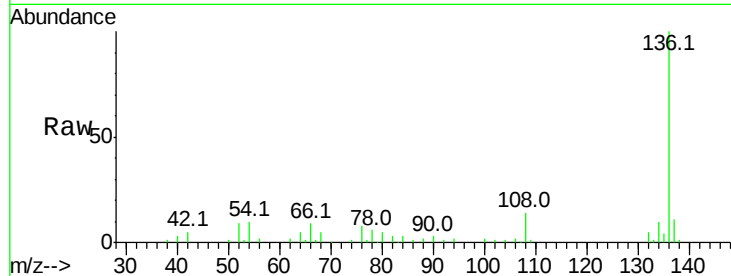




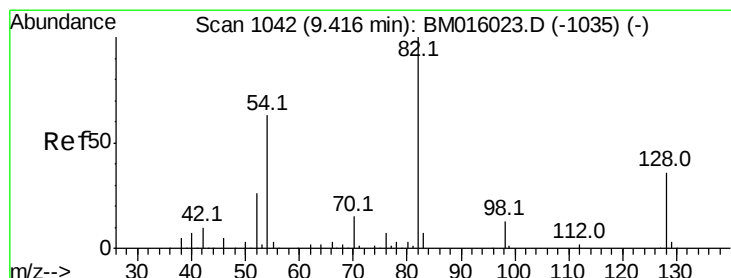
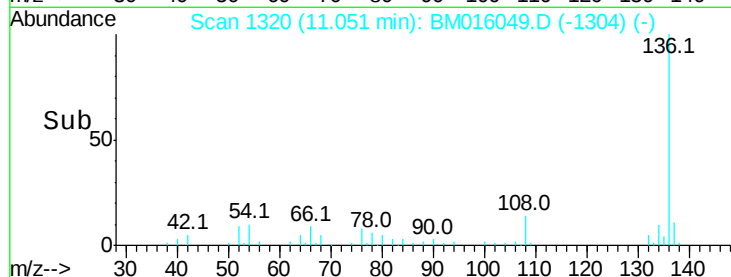
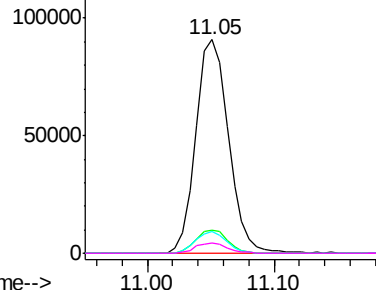
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:136 Resp: 162838
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.1 4.6 6.8#
68 4.6 3.7 5.5

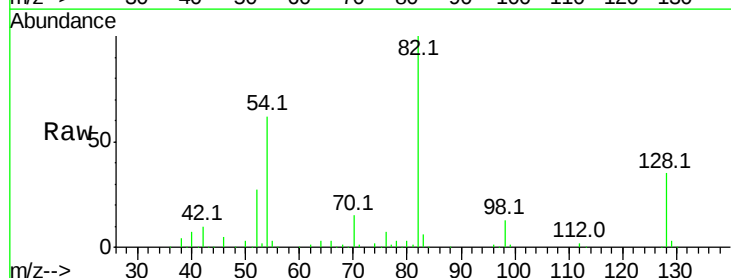


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

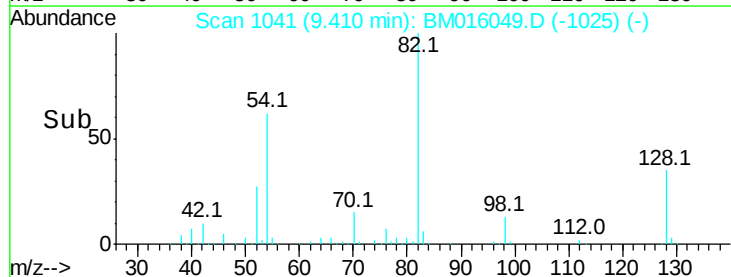
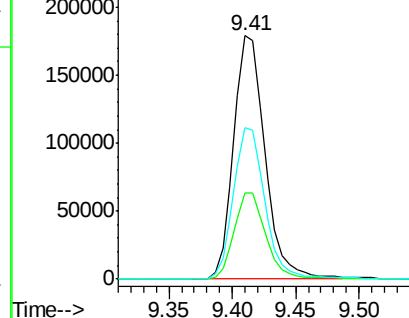


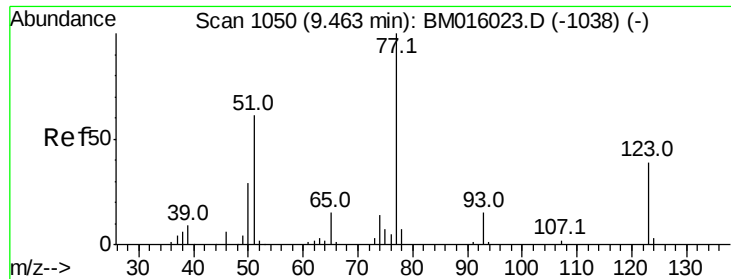
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.41 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion: 82 Resp: 307514
Ion Ratio Lower Upper
82 100
128 35.5 32.8 49.2
54 62.3 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

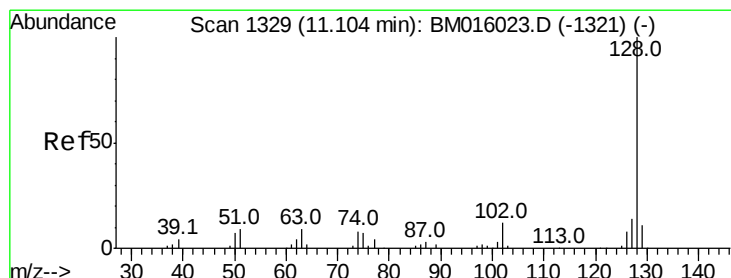
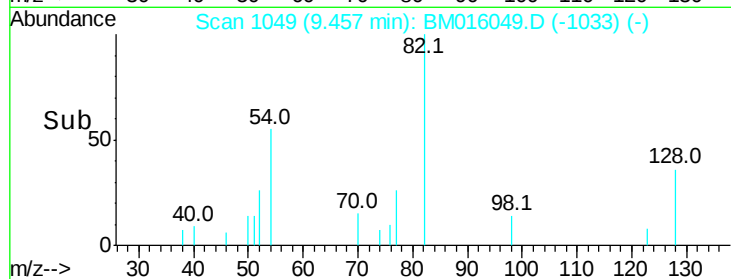
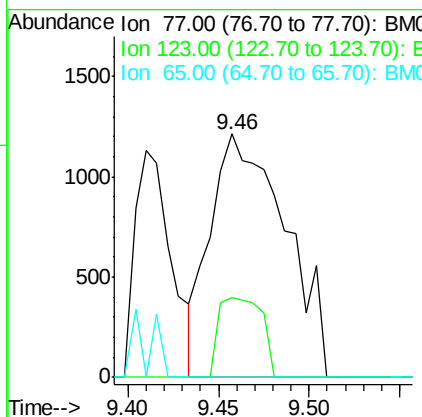
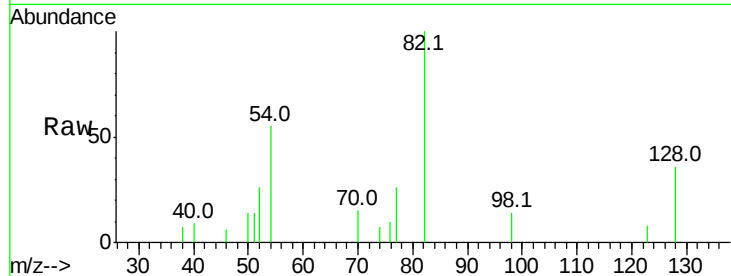




#24
 Nitrobenzene
 Concen: 0.993 ng
 RT: 9.46 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

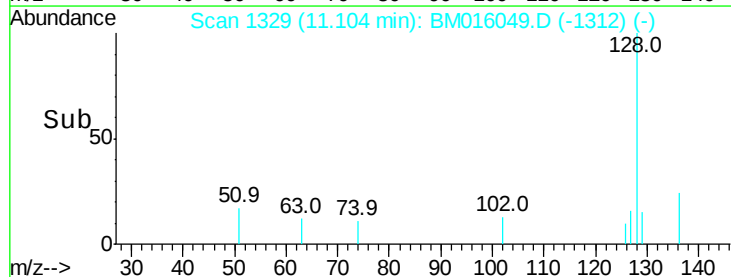
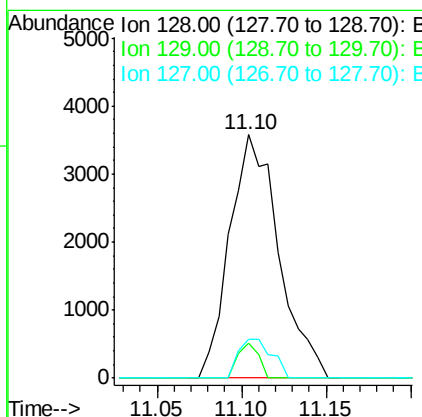
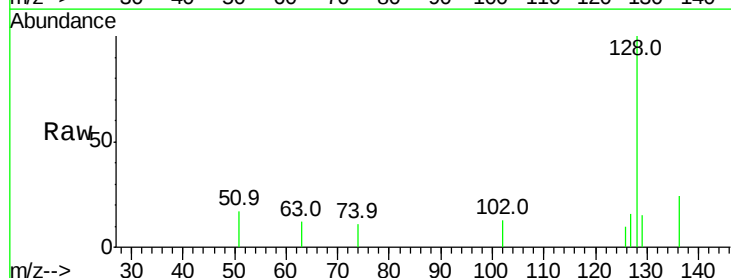
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

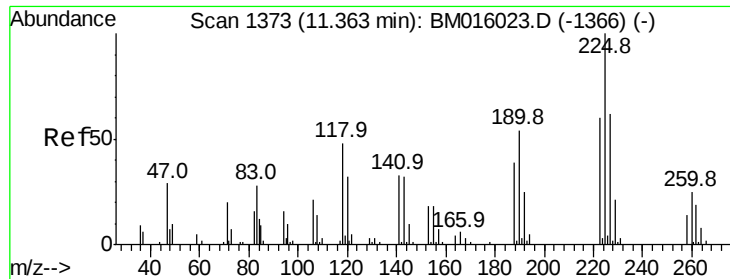
Tot Ion: 77 Resp: 3499
 Ion Ratio Lower Upper
 77 100
 123 32.6 32.6 49.0#
 65 0.0 10.9 16.3#



#31
 Naphthalene
 Concen: 0.879 ng
 RT: 11.10 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion: 128 Resp: 7246
 Ion Ratio Lower Upper
 128 100
 129 14.6 8.9 13.3#
 127 16.0 10.4 15.6#





#34

Hexachlorobutadiene

Concen: 0.750 ng

RT: 11.36 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

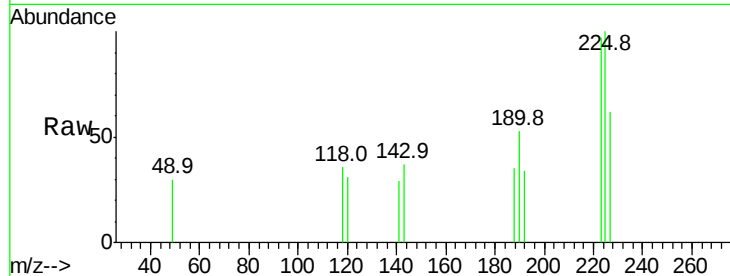
Tot Ion:225 Resp: 1539

Ion Ratio Lower Upper

225 100

223 96.5 47.9 71.9#

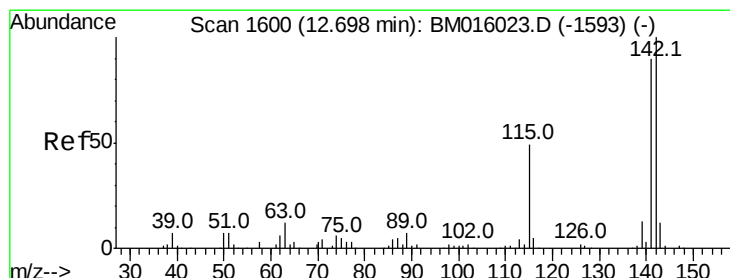
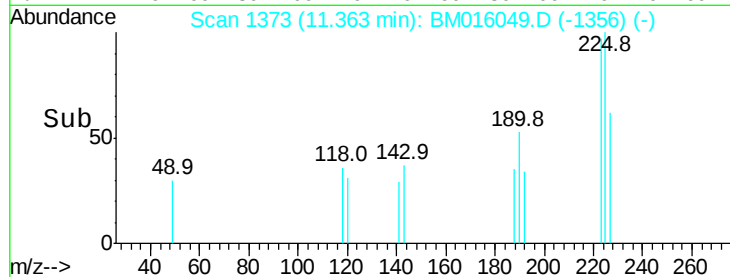
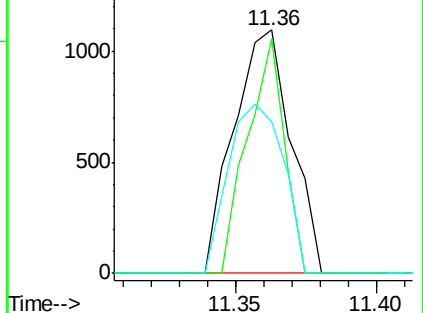
227 62.4 50.1 75.1



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 0.901 ng

RT: 12.71 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

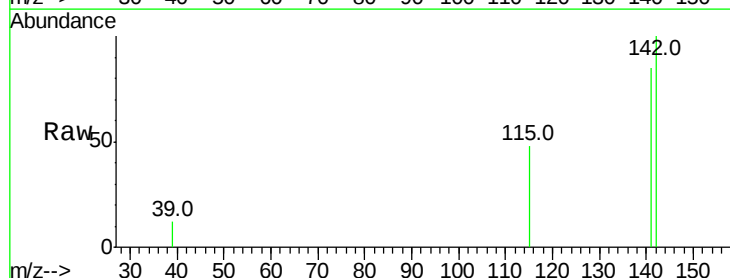
Tgt Ion:142 Resp: 4974

Ion Ratio Lower Upper

142 100

141 84.9 71.9 107.9

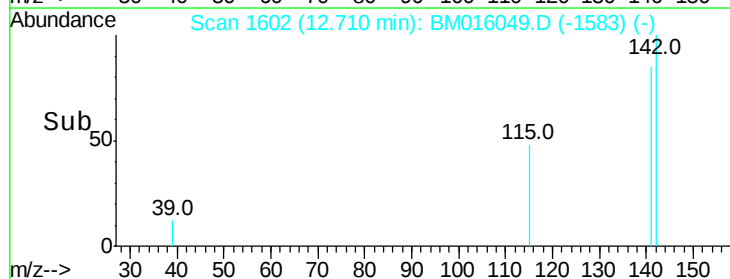
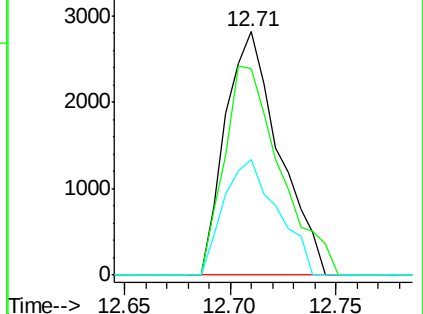
115 47.6 25.4 38.0#

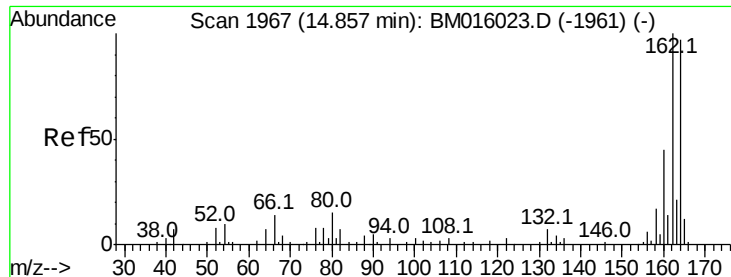


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.85 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

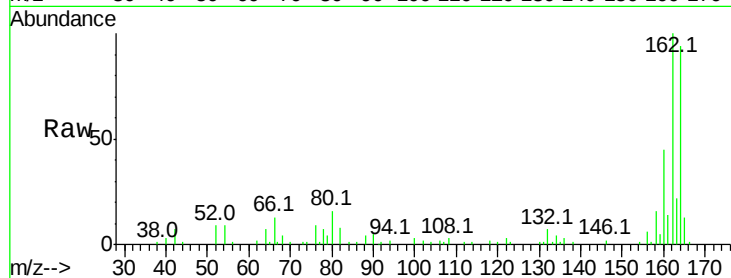
BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:164 Resp: 84559

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.4	123.6
160	47.6	35.8	53.6

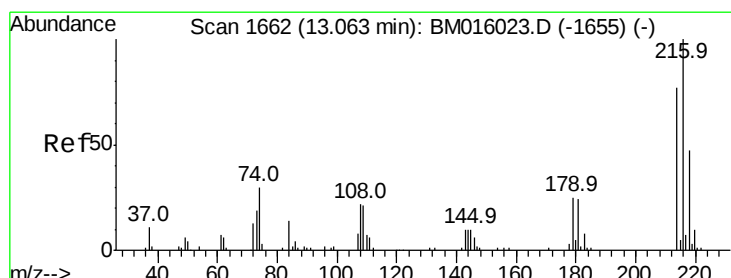
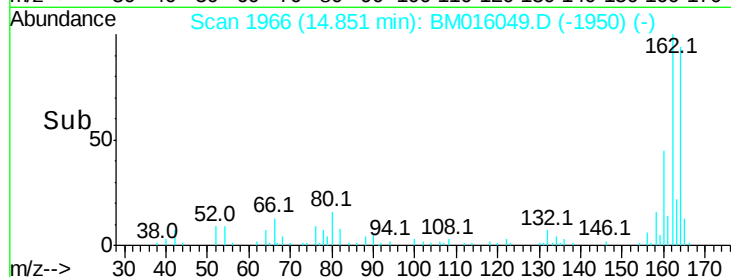
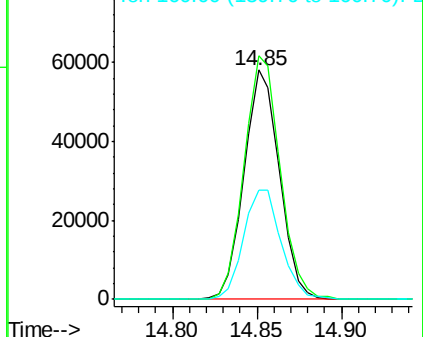


Abundance

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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.825 ng

RT: 13.07 min Scan# 1663

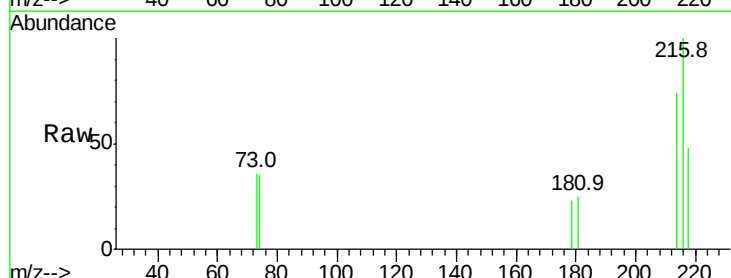
Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Tgt Ion:216 Resp: 2374

Ion	Ratio	Lower	Upper
216	100		
214	74.3	0.0	0.0#
179	9.8	0.0	0.0#
108	10.9	0.0	0.0#



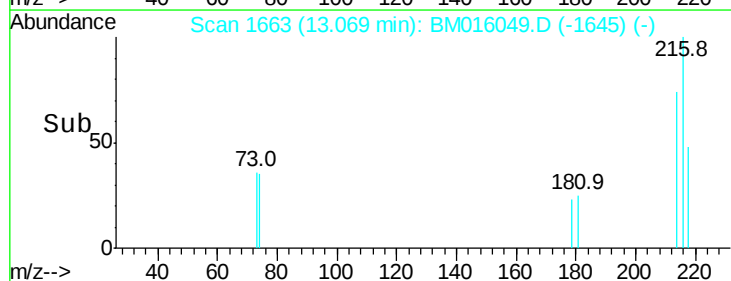
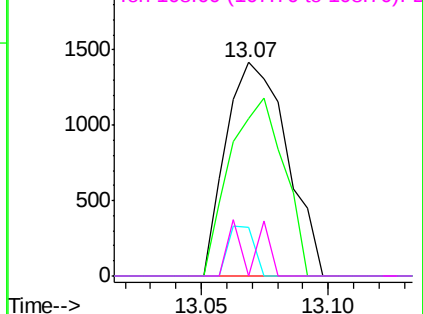
Abundance

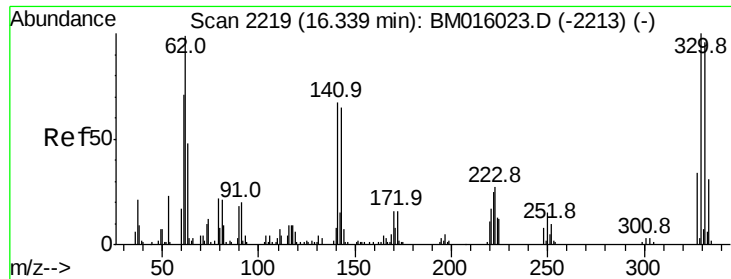
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

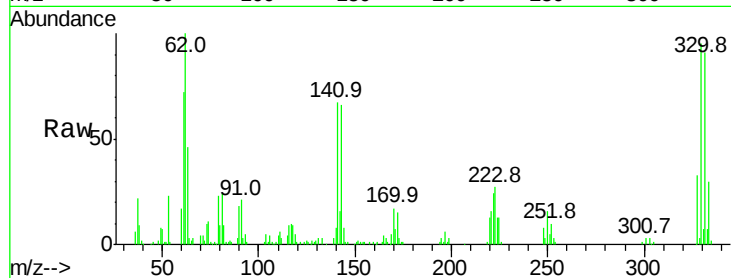




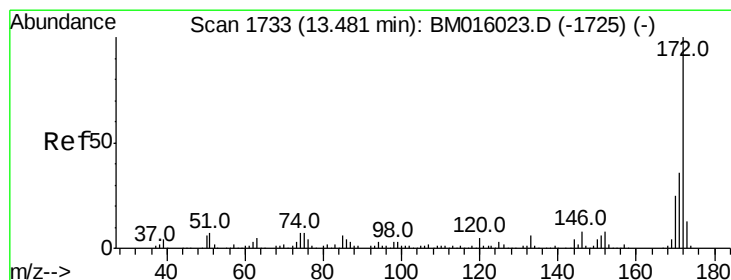
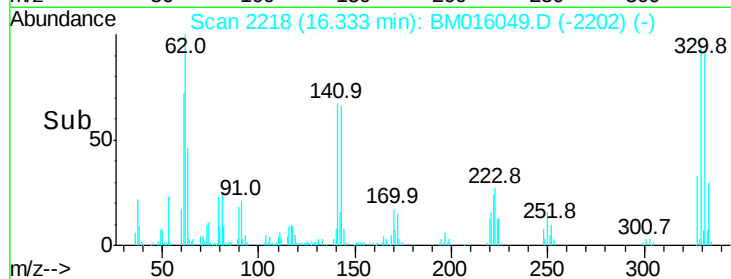
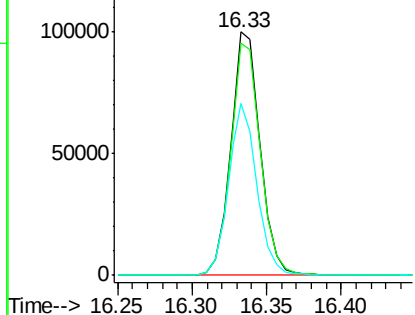
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.33 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:330 Resp: 136558
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 68.5 0.0 0.0#

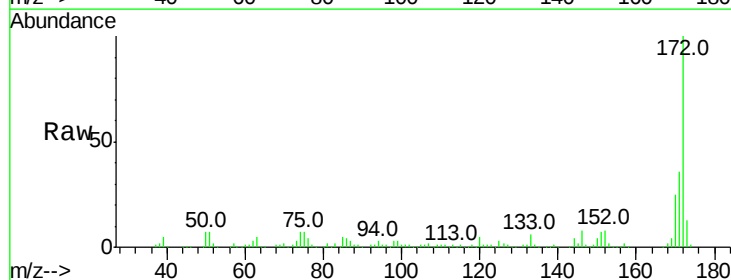


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

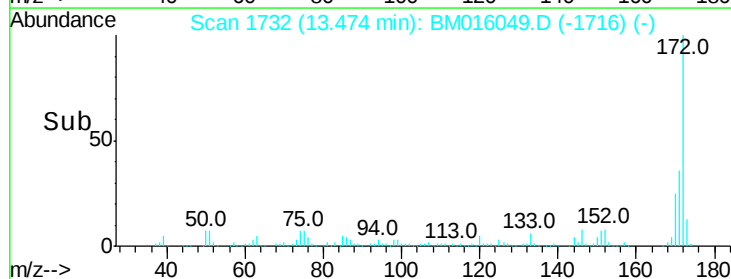
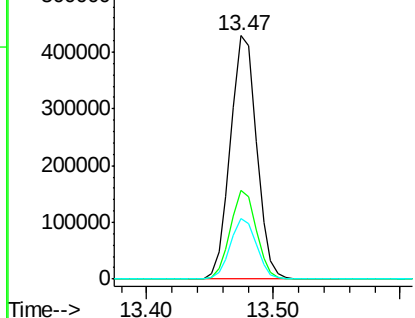


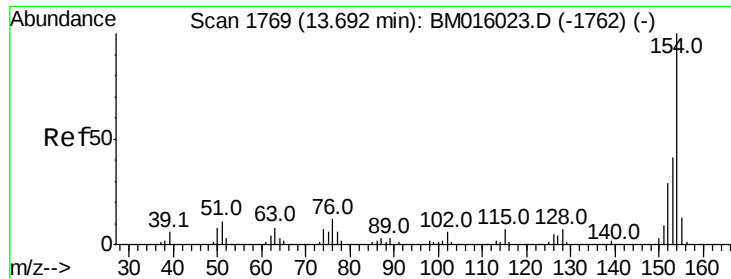
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.47 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion:172 Resp: 615265
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 24.7 18.8 28.2



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

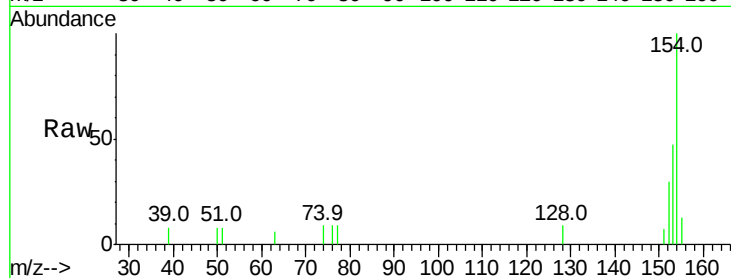




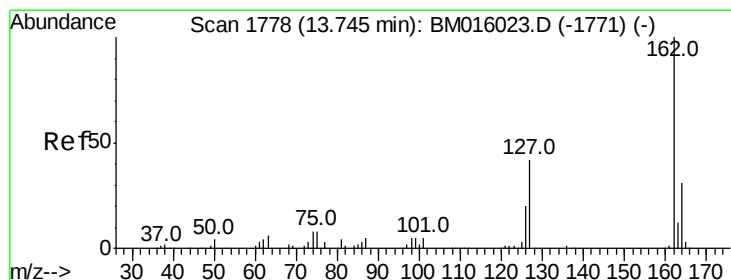
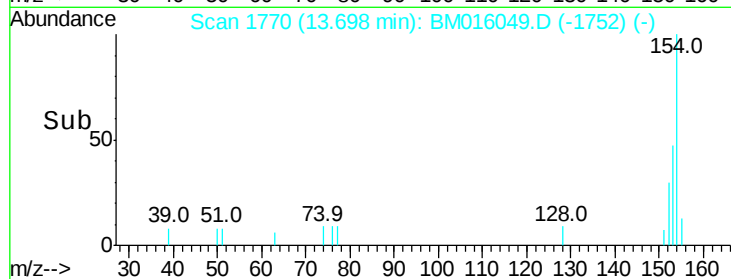
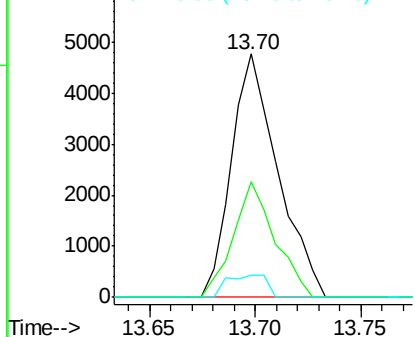
#45
 1,1'-Biphenyl
 Concen: 0.950 ng
 RT: 13.70 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:154 Resp: 7249
 Ion Ratio Lower Upper
 154 100
 153 47.2 20.7 60.7
 76 8.9 0.0 30.9

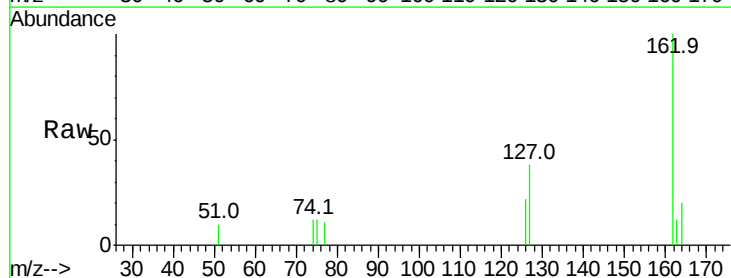


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

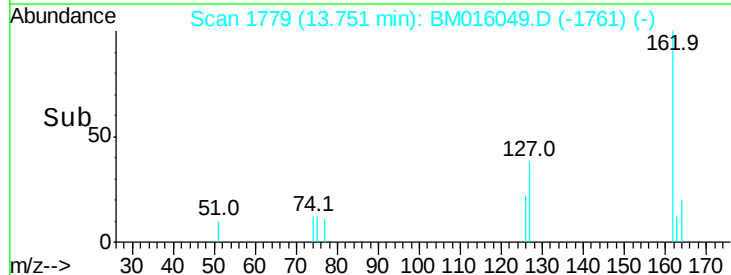
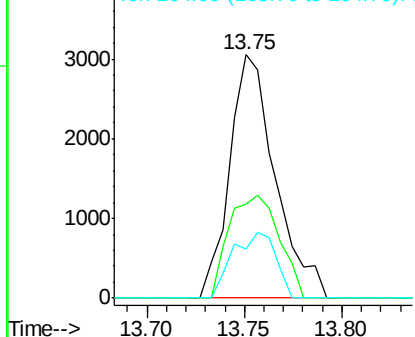


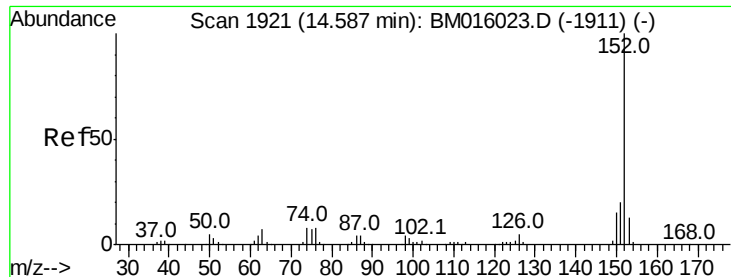
#46
 2-Chloronaphthalene
 Concen: 0.831 ng
 RT: 13.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion:162 Resp: 4932
 Ion Ratio Lower Upper
 162 100
 127 38.5 26.9 40.3
 164 20.2 26.8 40.2#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 0.810 ng

RT: 14.59 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

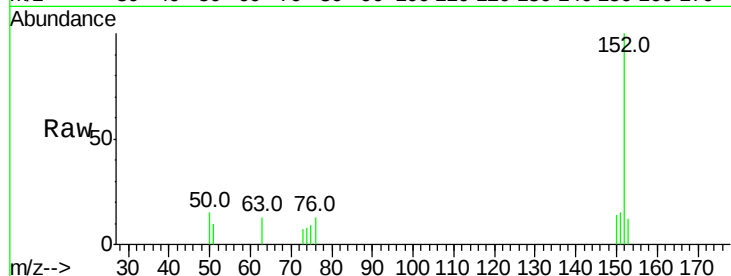
Tot Ion:152 Resp: 7034

Ion Ratio Lower Upper

152 100

151 15.3 15.9 23.9#

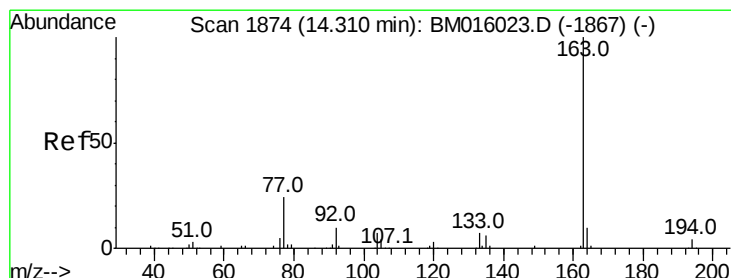
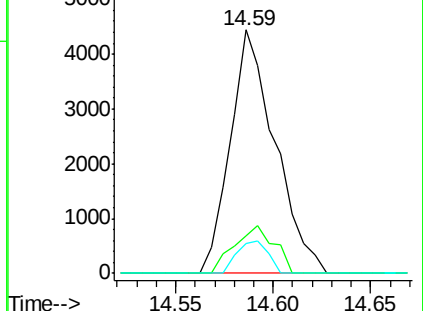
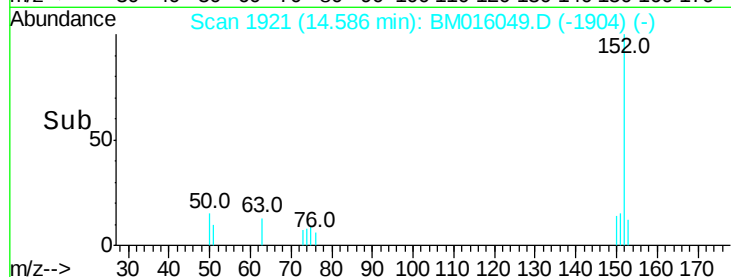
153 12.2 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.836 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

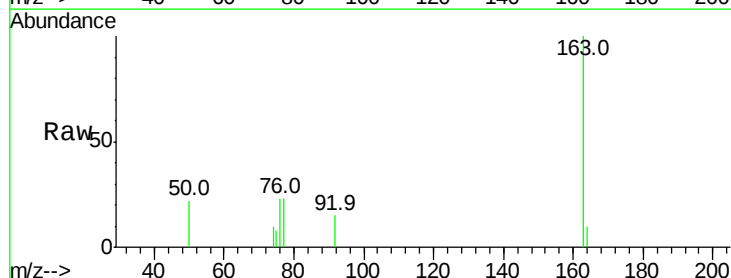
Tgt Ion:163 Resp: 6184

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

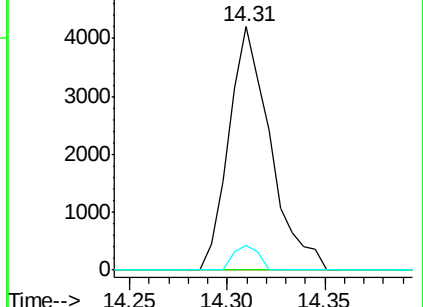
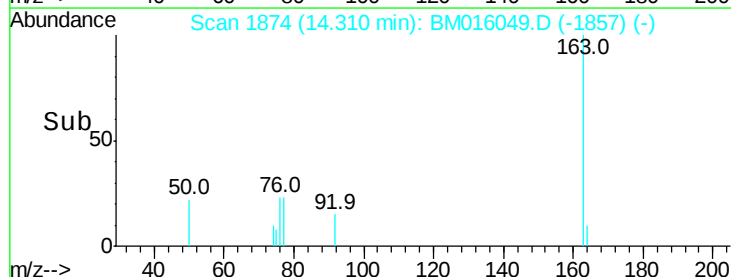
164 10.1 8.2 12.2

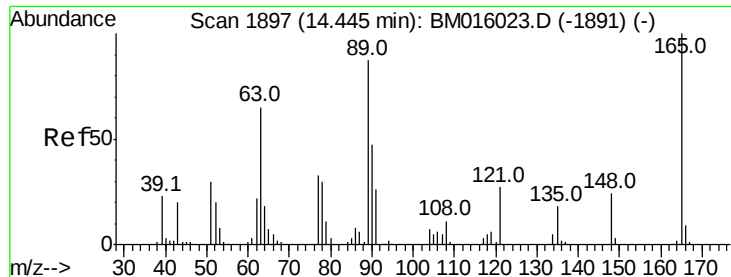


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

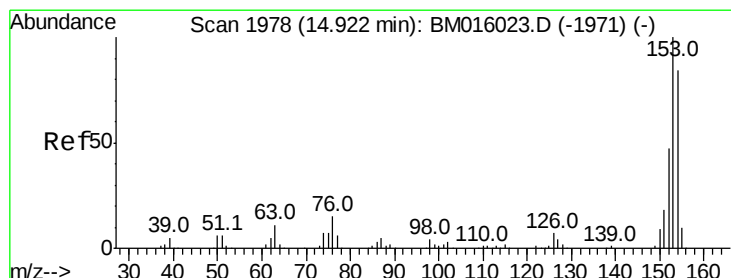
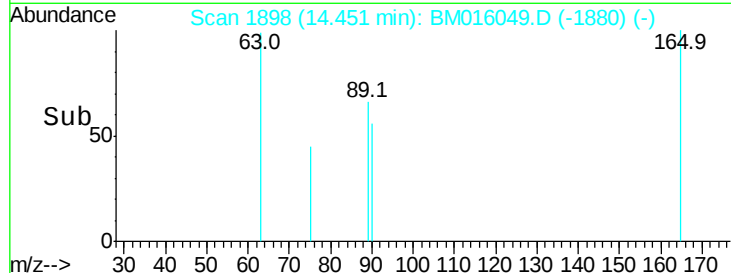
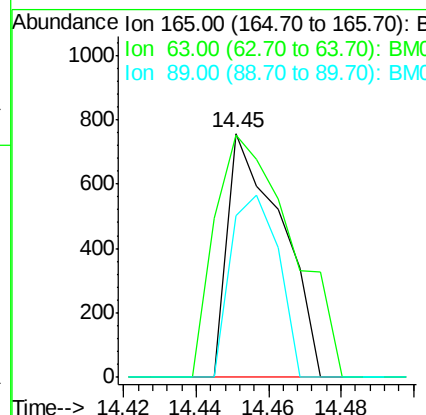
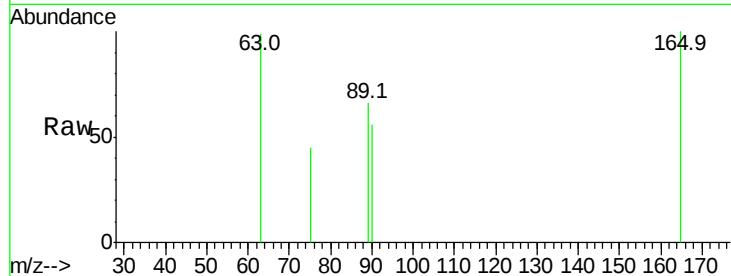




#50
 2,6-Dinitrotoluene
 Concen: 0.523 ng
 RT: 14.45 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

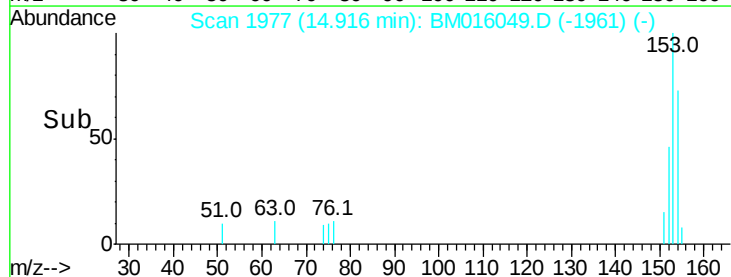
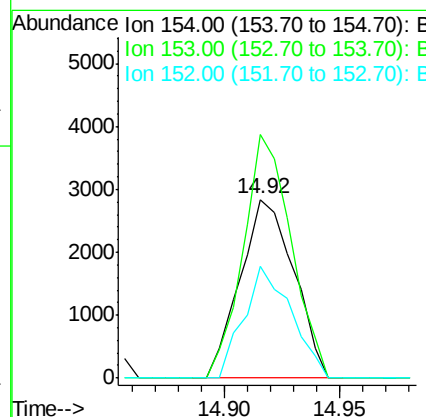
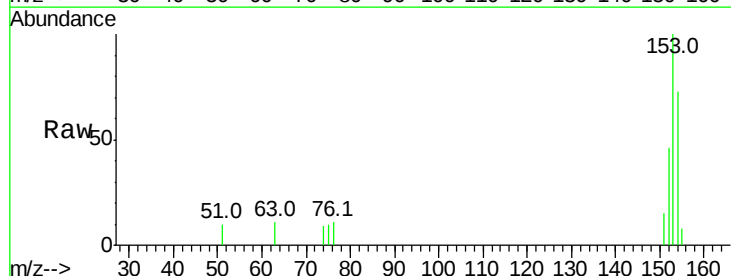
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

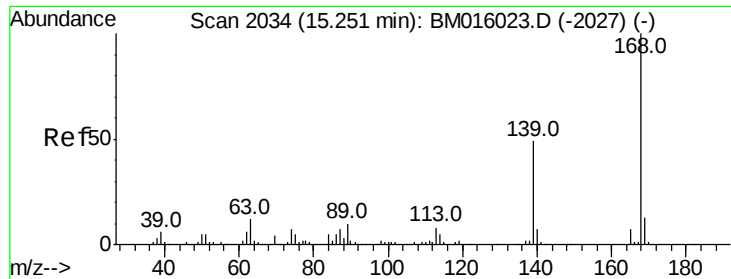
Tot Ion:165 Resp: 779
 Ion Ratio Lower Upper
 165 100
 63 99.5 44.1 66.1#
 89 66.1 44.3 66.5



#51
 Acenaphthene
 Concen: 0.860 ng
 RT: 14.92 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion:154 Resp: 4594
 Ion Ratio Lower Upper
 154 100
 153 136.1 90.0 135.0#
 152 62.6 42.6 63.8





#54

Dibenzenofuran

Concen: 0.856 ng

RT: 15.26 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

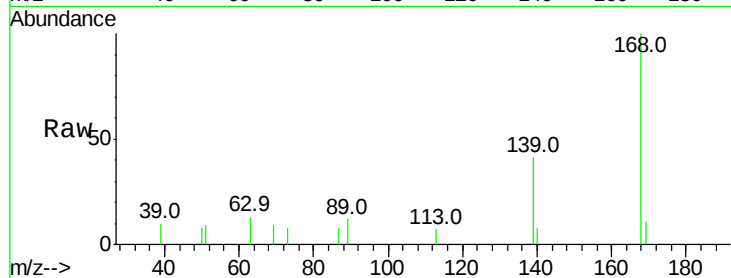
Tot Ion:168 Resp: 7537

Ion Ratio Lower Upper

168 100

139 40.5 27.3 40.9

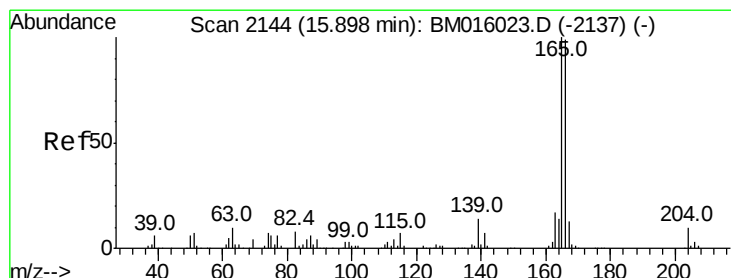
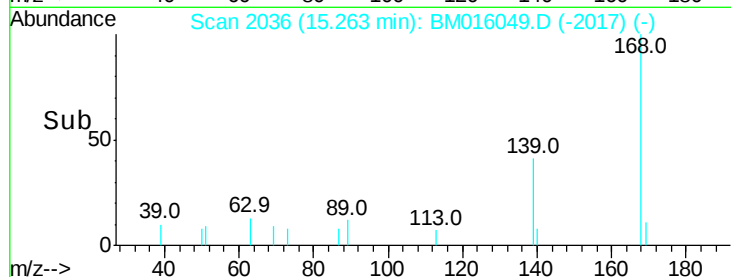
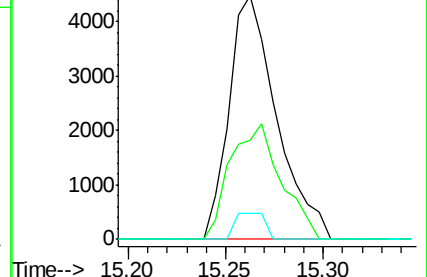
169 10.7 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 0.840 ng

RT: 15.90 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

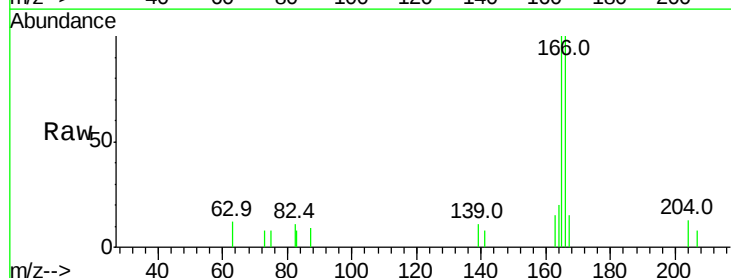
Tgt Ion:166 Resp: 5499

Ion Ratio Lower Upper

166 100

165 100.5 79.0 118.4

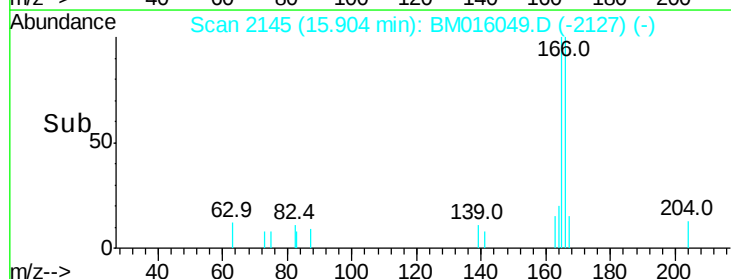
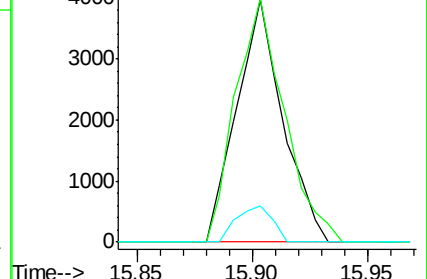
167 14.8 10.3 15.5

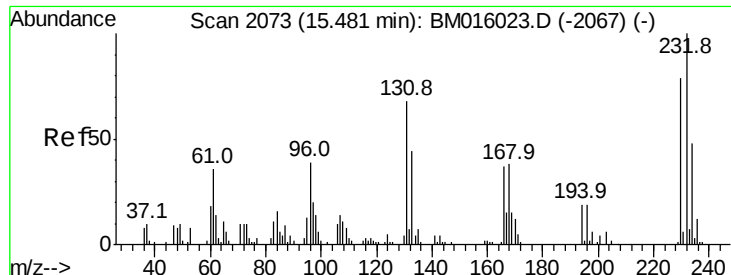


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

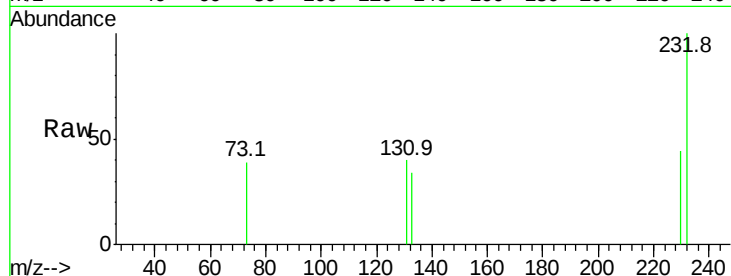




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.628 ng
 RT: 15.49 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:	232	Resp:	1003
Ion	Ratio	Lower	Upper
232	100		
131	24.9	0.0	0.0#
130	0.0	0.0	0.0
166	0.0	0.0	0.0

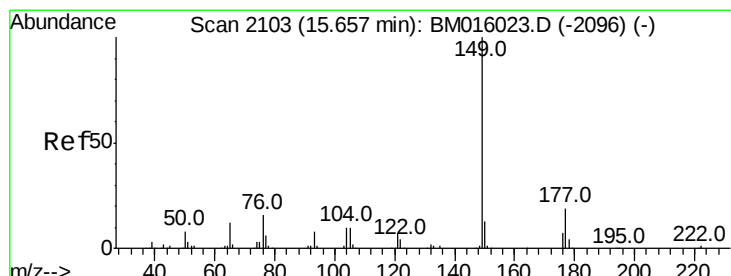
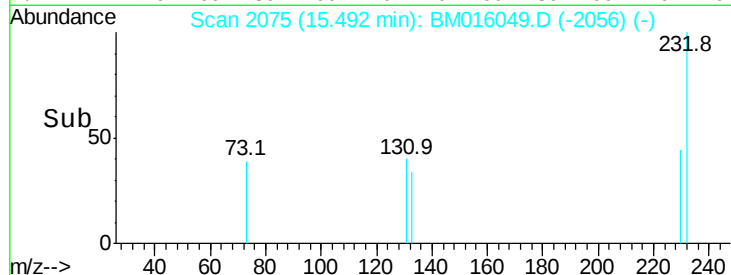
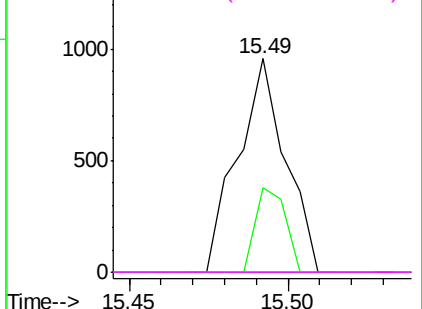


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

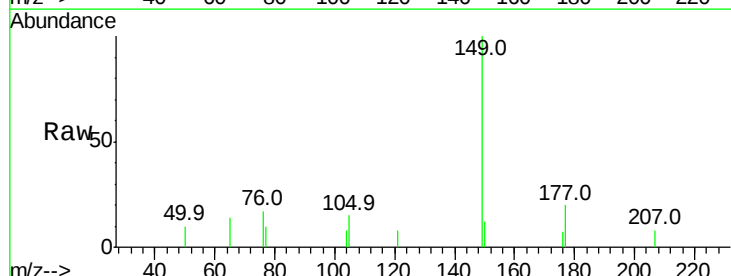
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 0.771 ng
 RT: 15.65 min Scan# 2102
 Delta R.T. -0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

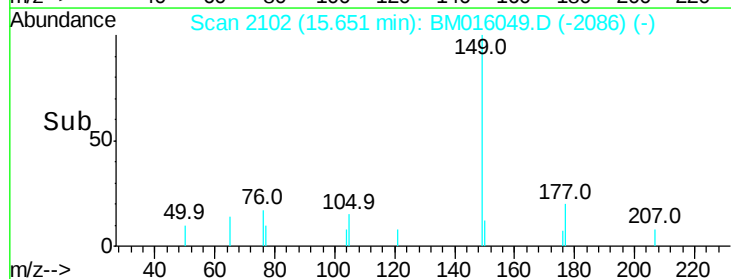
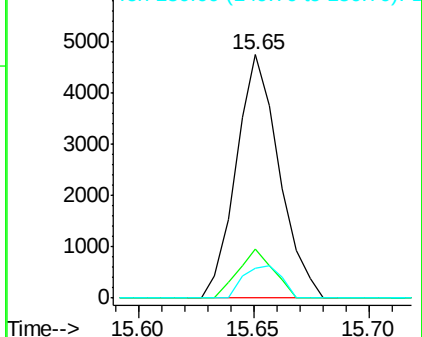
Tgt Ion:	149	Resp:	6148
Ion	Ratio	Lower	Upper
149	100		
177	20.1	18.3	27.5
150	12.1	9.8	14.8

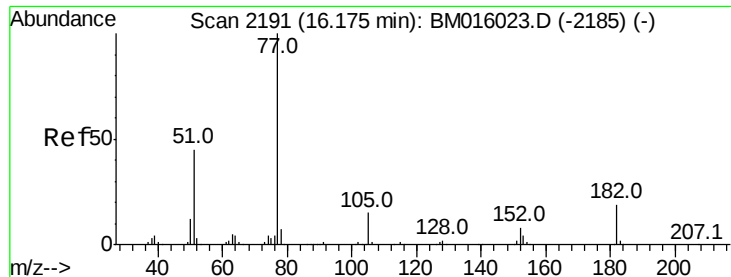


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.576 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

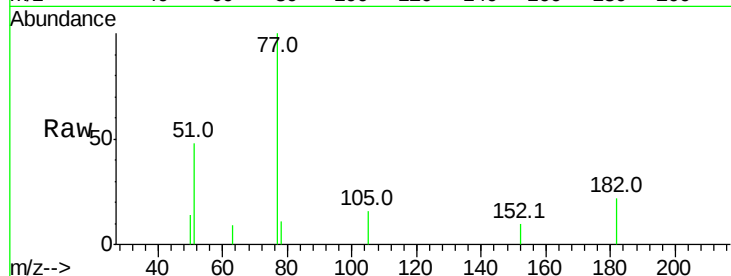
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 77 Resp: 4835

Ion Ratio Lower Upper

77	100		
182	22.2	6.5	46.5
105	16.1	3.8	43.8
51	47.9	5.5	45.5#

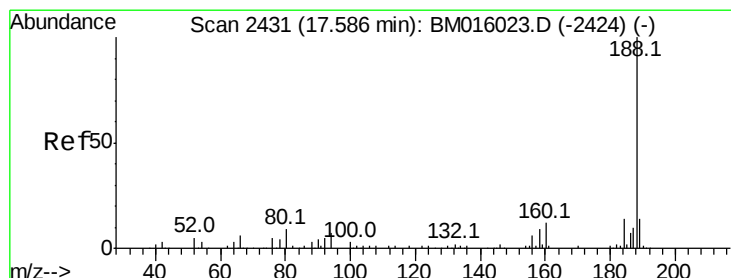
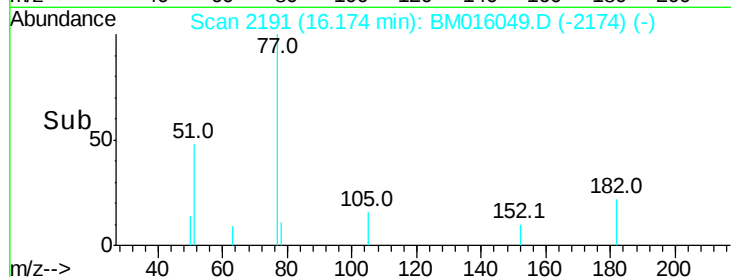
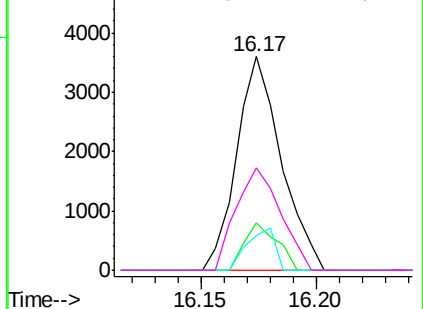


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-2185) (-)

Ion 182.00 (181.70 to 182.70): BM016023.D (-2185) (-)

Ion 105.00 (104.70 to 105.70): BM016023.D (-2185) (-)

Ion 51.00 (50.70 to 51.70): BM016023.D (-2185) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.58 min Scan# 2430

Delta R.T. -0.01 min

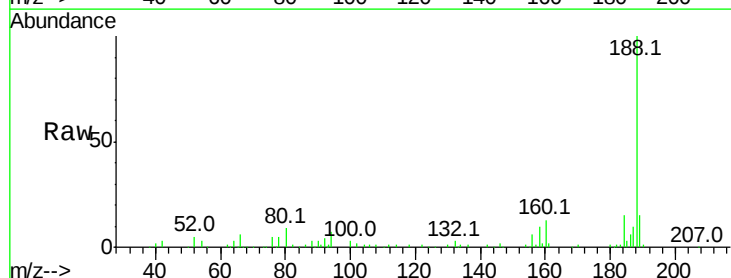
Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Tgt Ion: 188 Resp: 181934

Ion Ratio Lower Upper

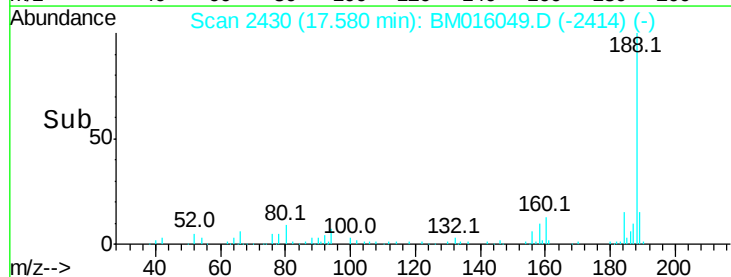
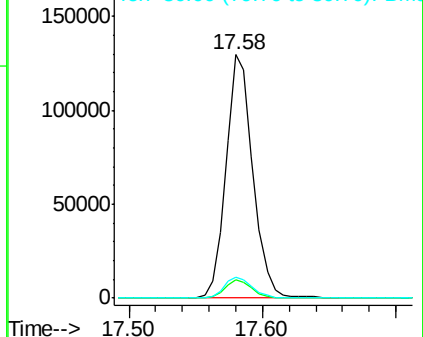
188	100		
94	7.3	8.7	13.1#
80	8.7	9.3	13.9#

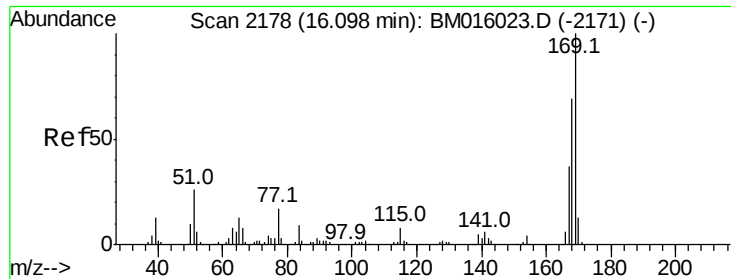


Abundance Ion 188.00 (187.70 to 188.70): BM016023.D (-2424) (-)

Ion 94.00 (93.70 to 94.70): BM016023.D (-2424) (-)

Ion 80.00 (79.70 to 80.70): BM016023.D (-2424) (-)

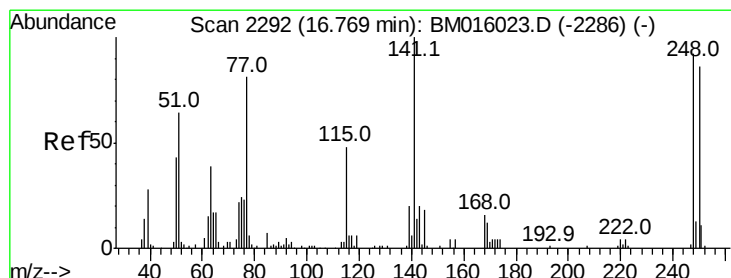
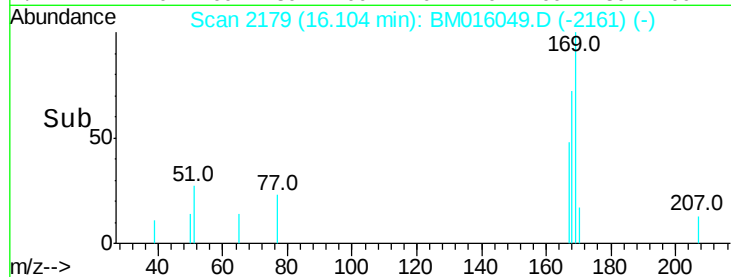
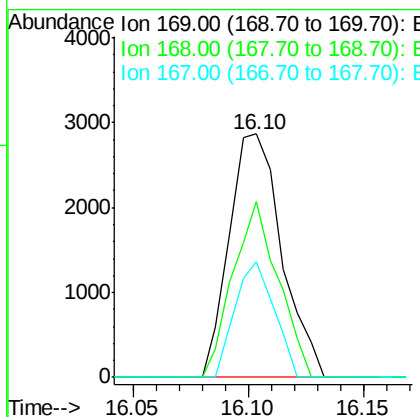
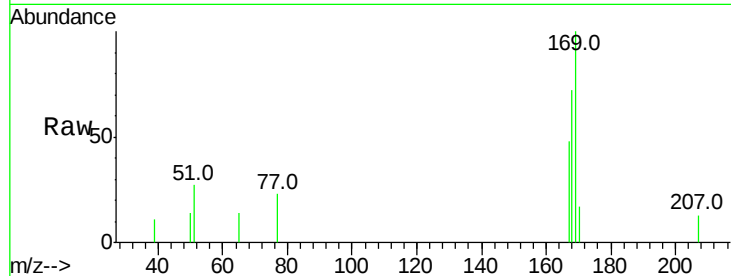




#65
 n-Nitrosodiphenylamine
 Concen: 0.757 ng
 RT: 16.10 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

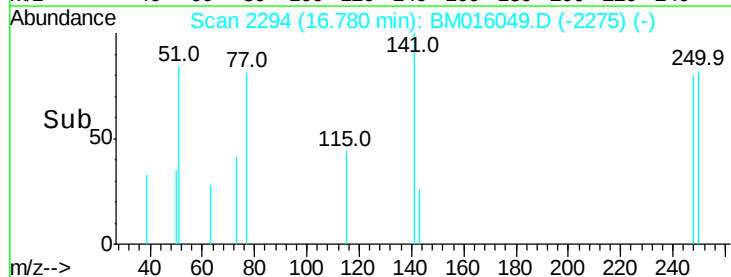
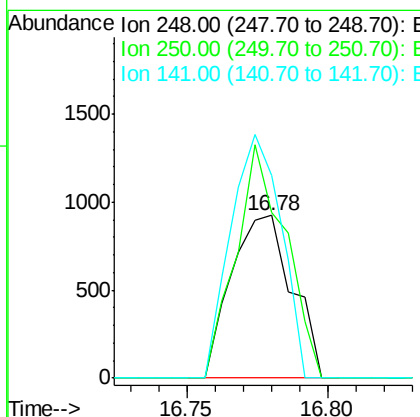
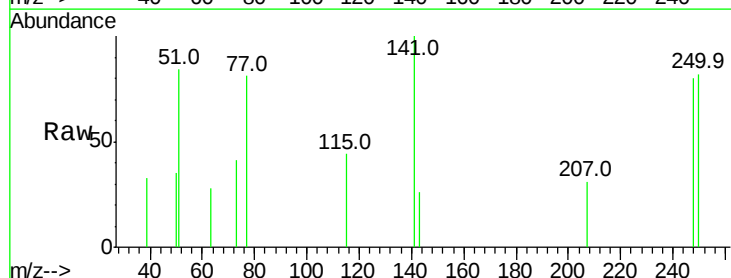
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

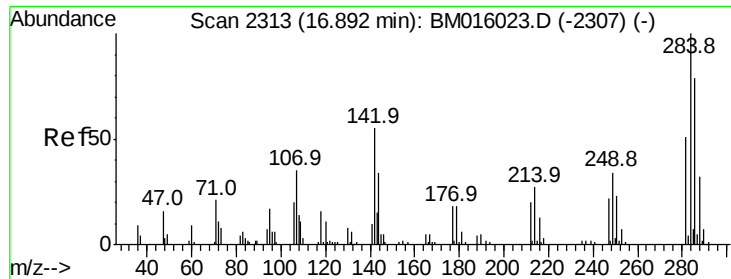
Tot Ion:169 Resp: 4534
 Ion Ratio Lower Upper
 169 100
 168 72.0 53.9 80.9
 167 47.7 28.9 43.3#



#66
 4-Bromophenyl-phenylether
 Concen: 0.670 ng
 RT: 16.78 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BM016049.D
 Acq: 24 Jul 2018 05:26

Tgt Ion:248 Resp: 1380
 Ion Ratio Lower Upper
 248 100
 250 102.2 77.4 116.0
 141 124.6 45.2 67.8#

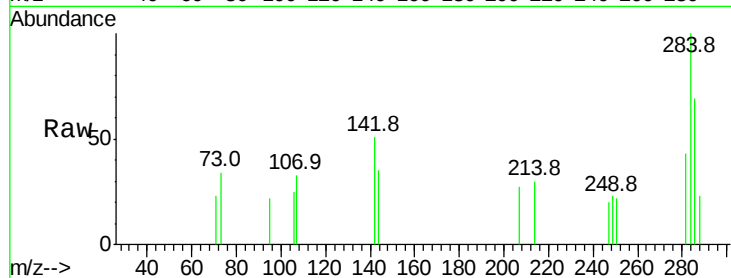




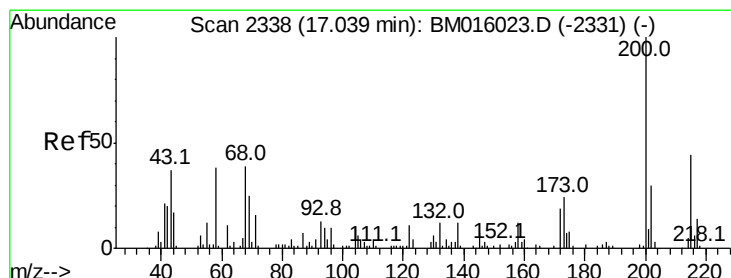
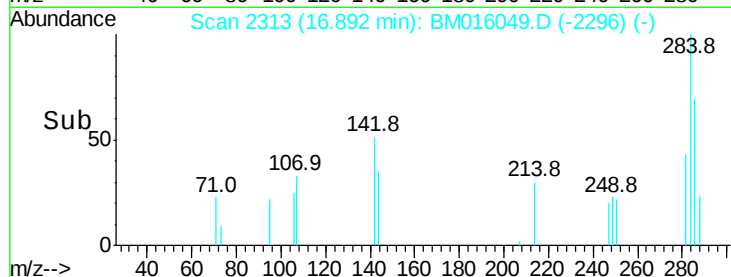
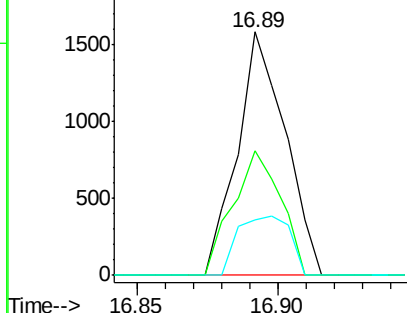
#67
Hexachlorobenzene
Concen: 0.822 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:284 Resp: 1865
Ion Ratio Lower Upper
284 100
142 50.9 20.4 30.6#
249 22.5 23.8 35.6#

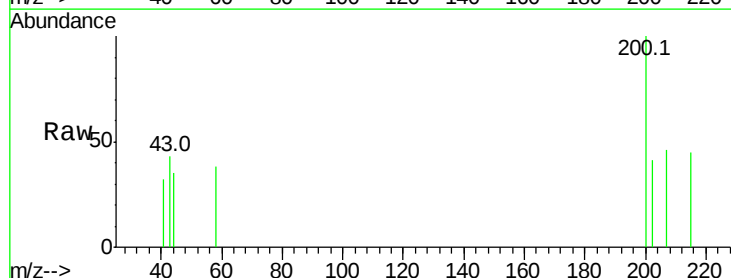


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

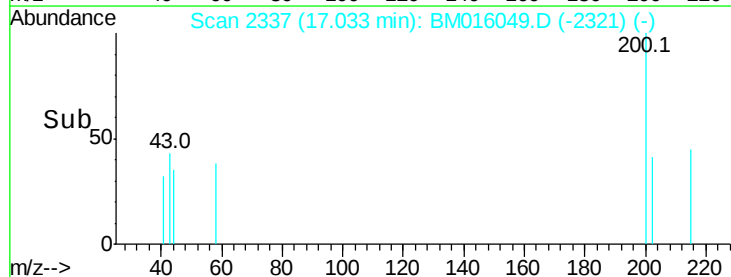
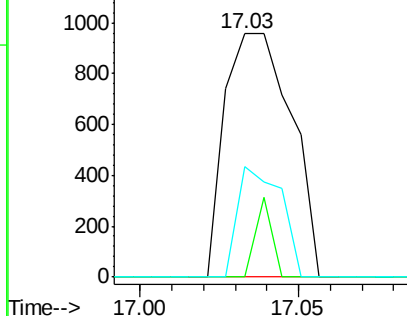


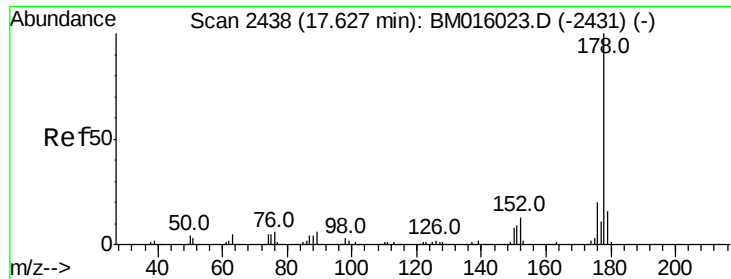
#68
Atrazine
Concen: 0.646 ng
RT: 17.03 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion:200 Resp: 1388
Ion Ratio Lower Upper
200 100
173 0.0 4.8 44.8#
215 45.1 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 0.960 ng

RT: 17.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

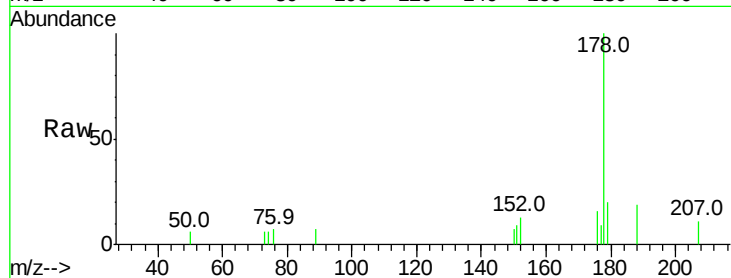
Tot Ion:178 Resp: 9778

Ion Ratio Lower Upper

178 100

176 16.4 15.2 22.8

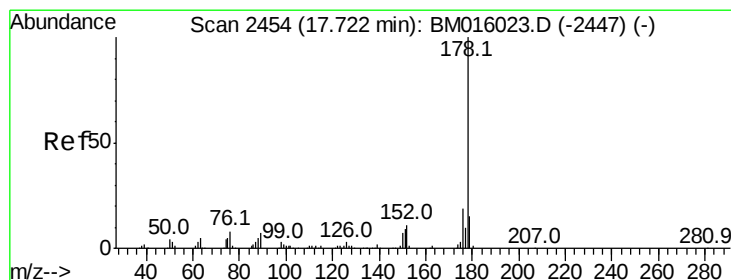
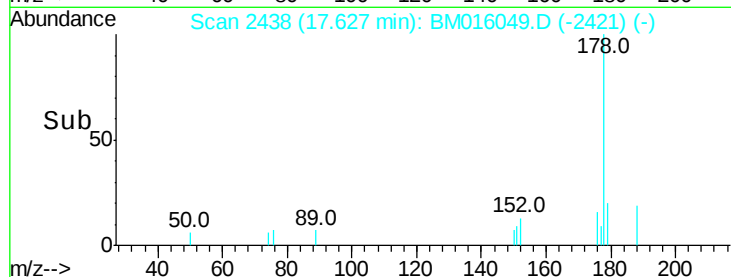
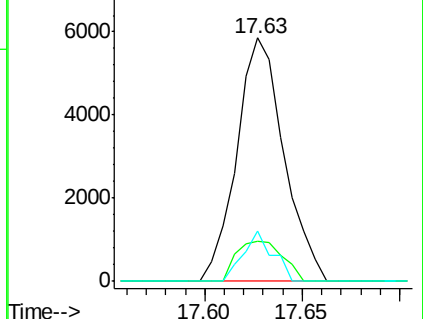
179 20.4 12.1 18.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.814 ng

RT: 17.73 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

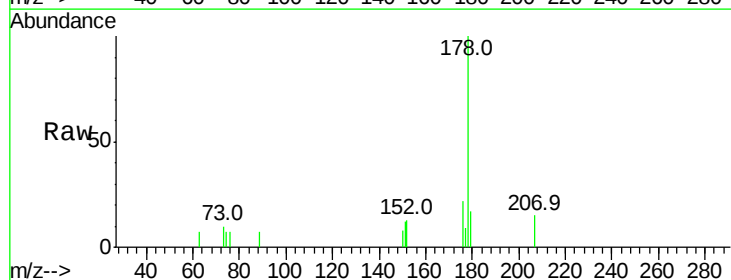
Tgt Ion:178 Resp: 8056

Ion Ratio Lower Upper

178 100

176 22.4 14.6 22.0#

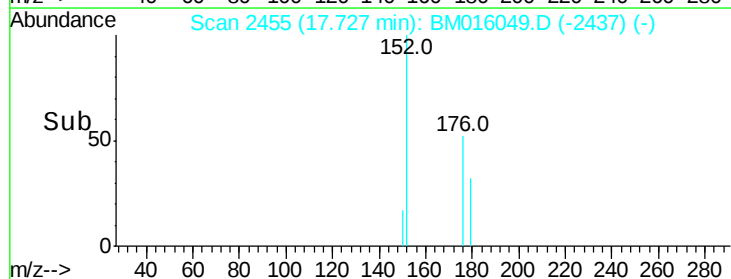
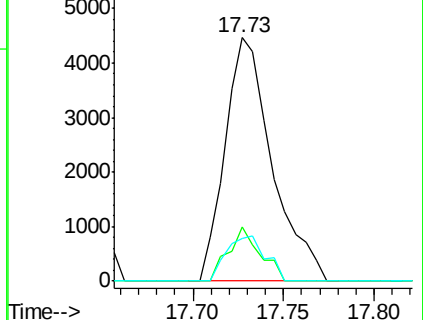
179 17.4 12.6 19.0

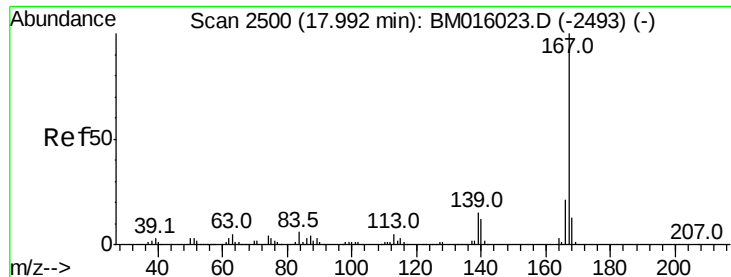


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.613 ng

RT: 18.01 min Scan# 2503

Delta R.T. 0.02 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

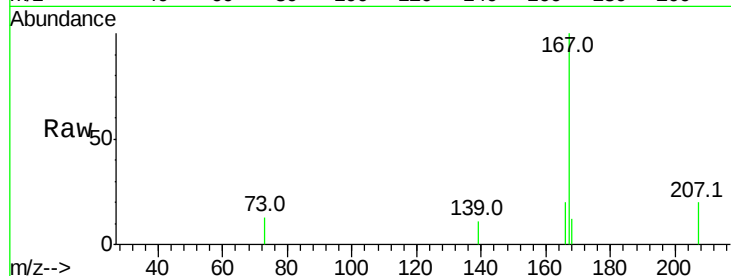
Tot Ion:167 Resp: 6284

Ion Ratio Lower Upper

167 100

166 20.5 17.2 25.8

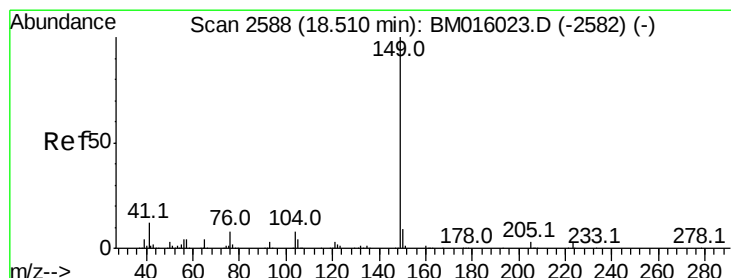
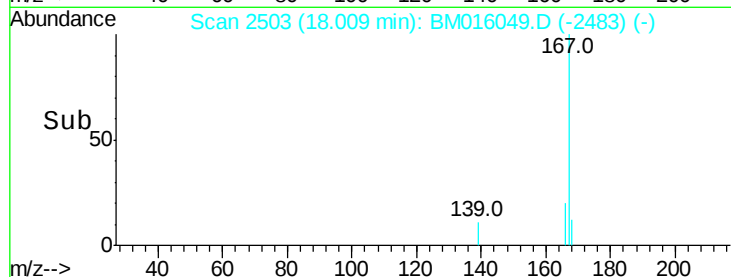
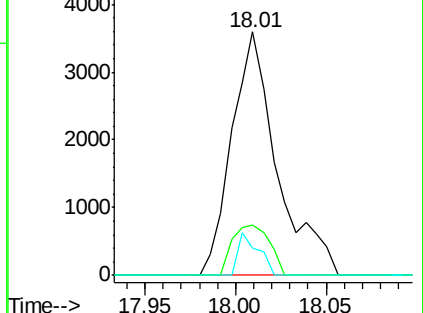
139 11.2 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.663 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

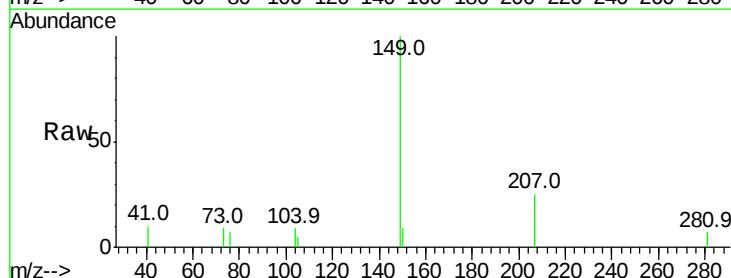
Tgt Ion:149 Resp: 8467

Ion Ratio Lower Upper

149 100

150 8.8 7.5 11.3

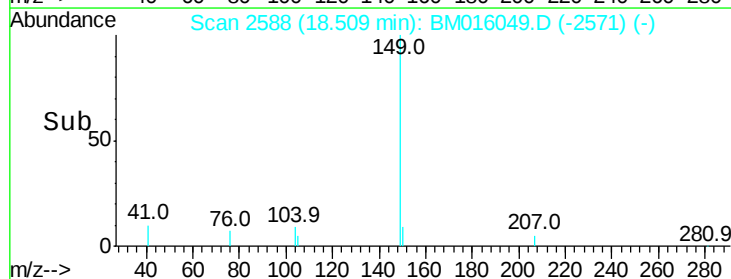
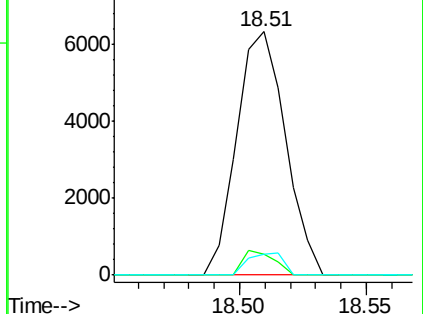
104 8.5 3.7 5.5#

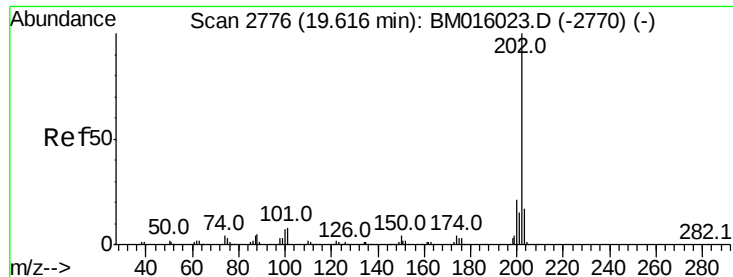


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.843 ng

RT: 19.62 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

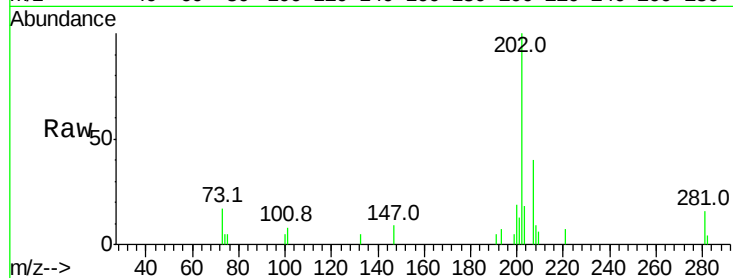
Tot Ion:202 Resp: 9578

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.7

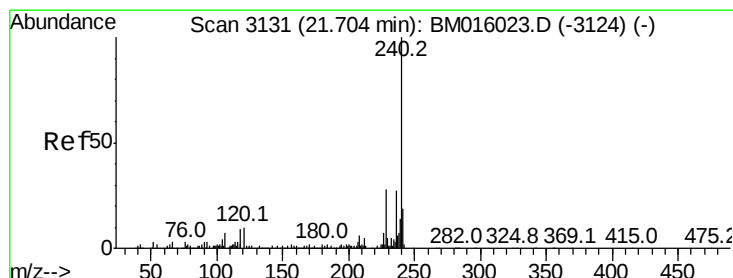
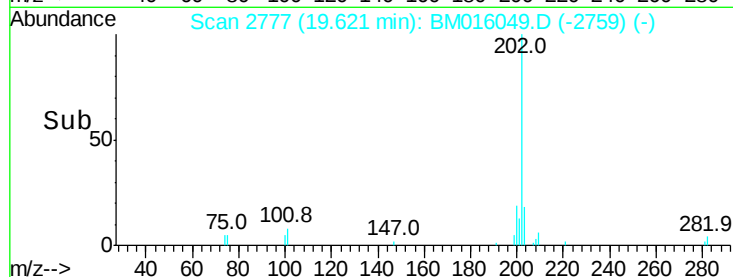
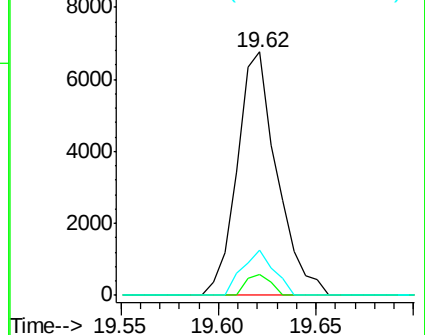
203 18.5 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

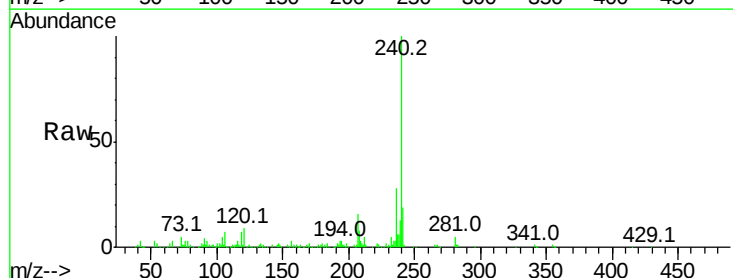
Tgt Ion:240 Resp: 189523

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

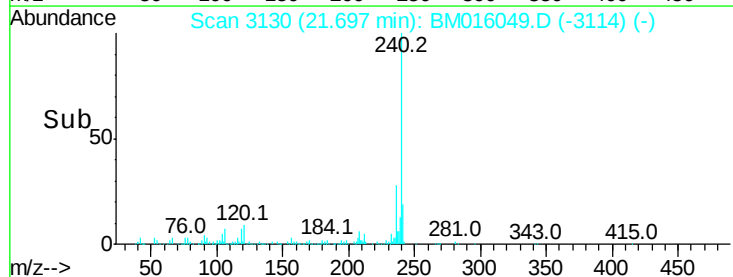
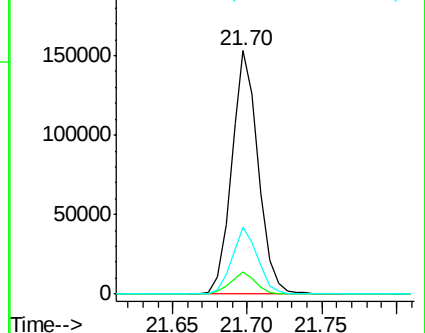
236 27.6 20.0 30.0

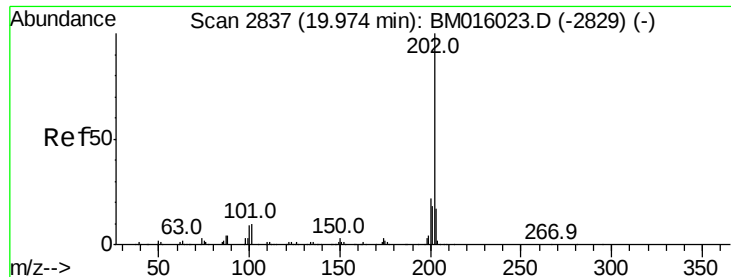


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

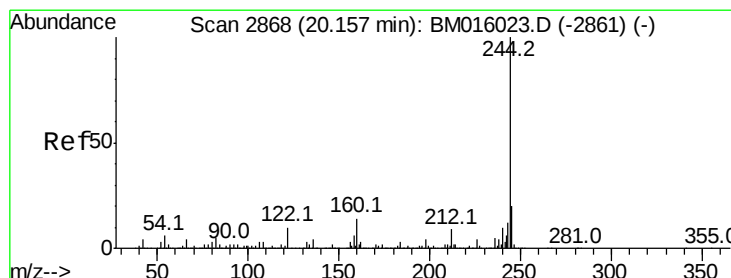
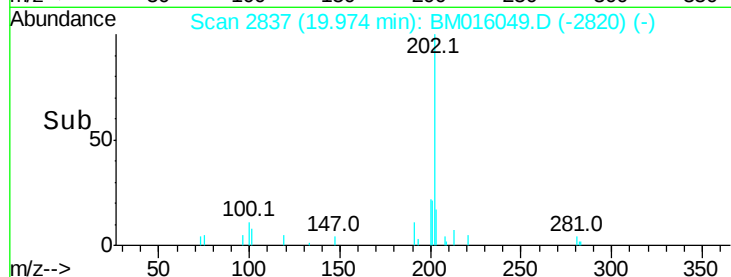
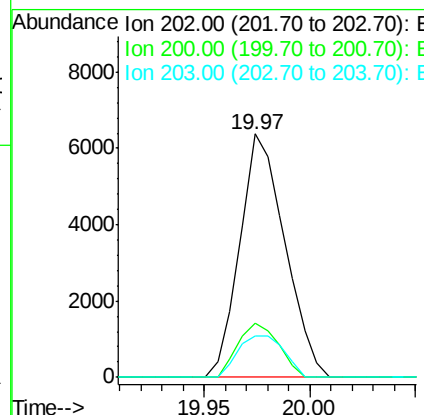
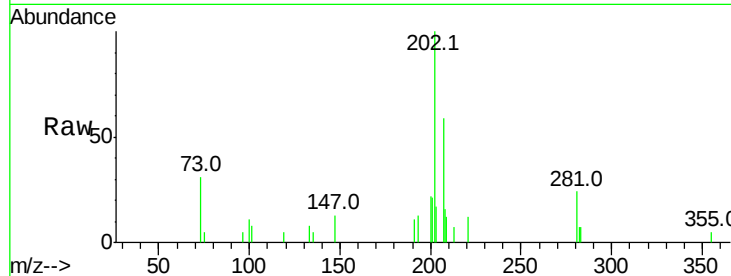




#77
Pvrene
Concen: 0.830 ng
RT: 19.97 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

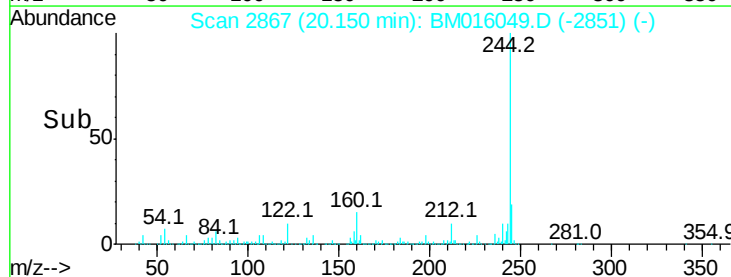
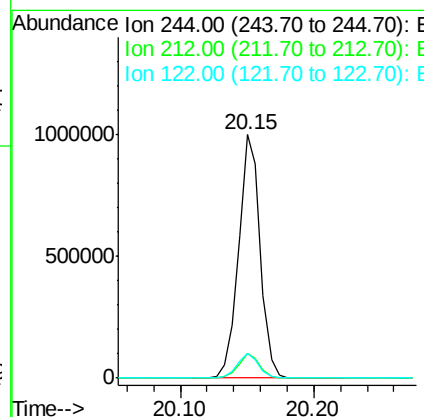
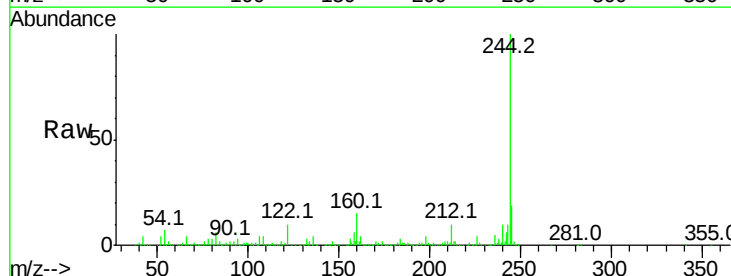
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

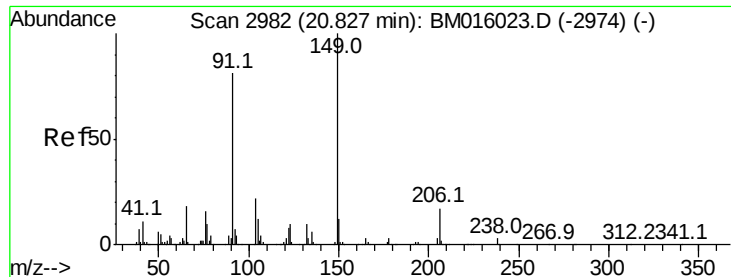
Tot Ion:202 Resp: 9423
Ion Ratio Lower Upper
202 100
200 22.5 16.9 25.3
203 17.0 14.1 21.1



#78
Terphenyl-d14
Concen: 0.830 ng
RT: 20.15 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion:244 Resp: 1120612
Ion Ratio Lower Upper
244 100
212 9.9 4.9 7.3#
122 10.0 6.2 9.4#

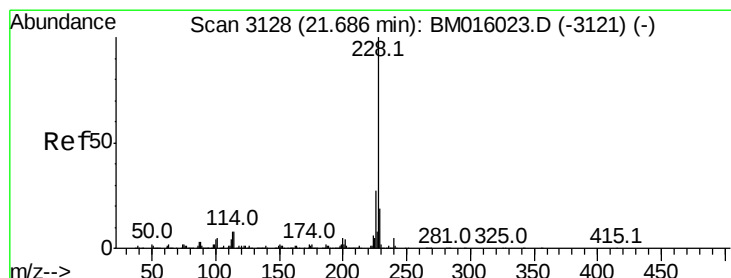
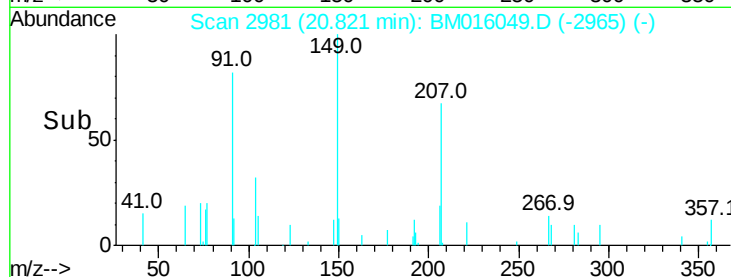
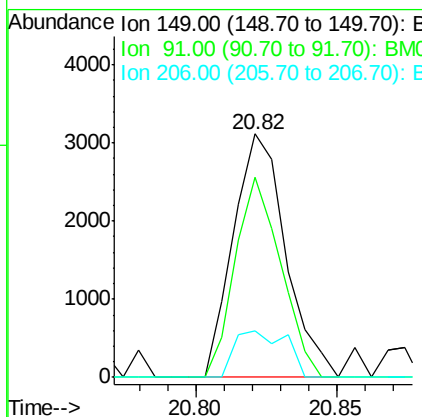
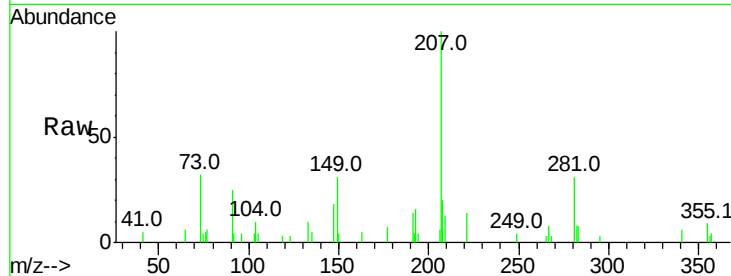




#79
Butylbenzylphthalate
Concen: 0.696 ng
RT: 20.82 min Scan# 2981
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

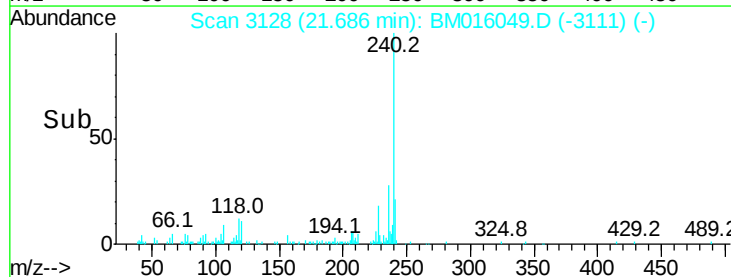
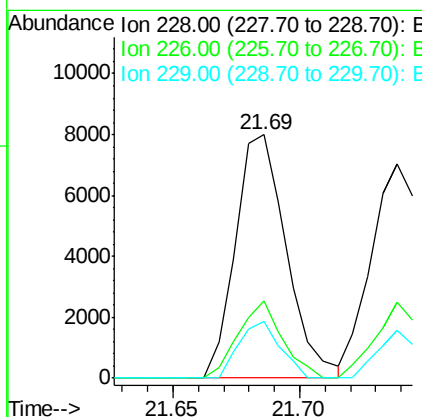
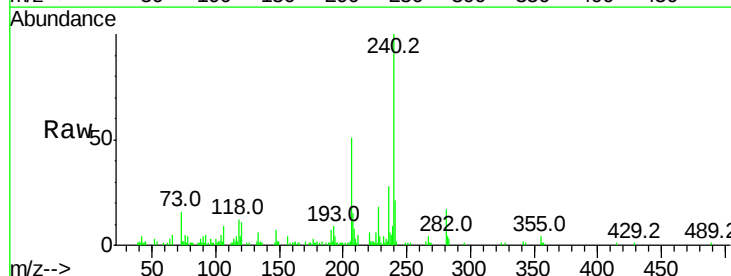
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

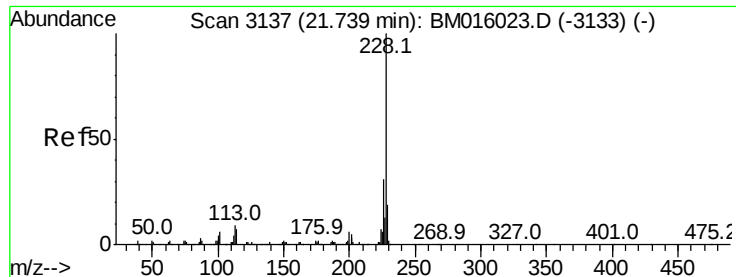
Tot Ion:149 Resp: 4013
Ion Ratio Lower Upper
149 100
91 82.1 50.1 75.1#
206 18.9 16.2 24.2



#80
Benzo(a)anthracene
Concen: 0.958 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion:228 Resp: 11181
Ion Ratio Lower Upper
228 100
226 31.9 21.7 32.5
229 23.3 16.0 24.0





#82

Chrysene

Concen: 0.930 ng

RT: 21.74 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

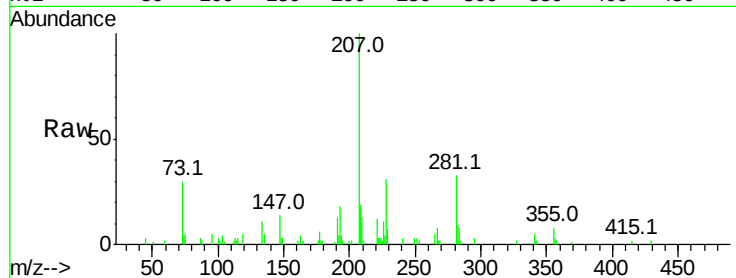
Tot Ion:228 Resp: 10412

Ion Ratio Lower Upper

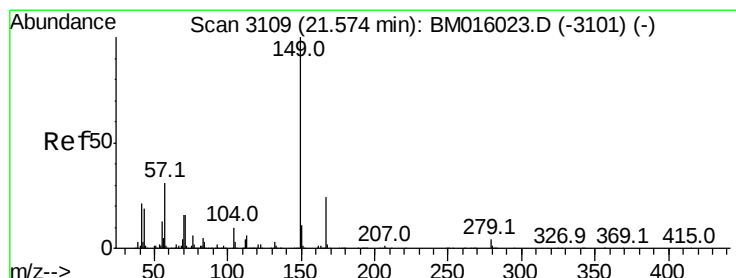
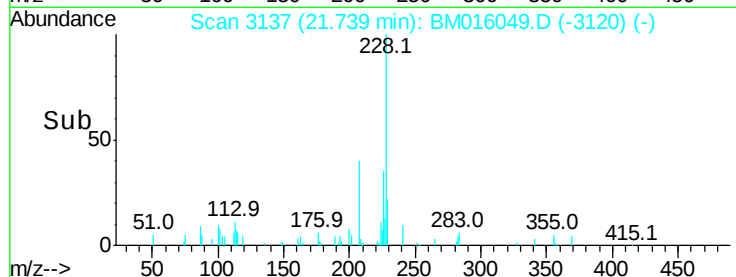
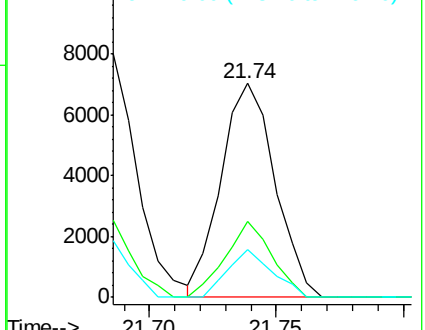
228 100

226 35.4 24.1 36.1

229 22.3 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.703 ng

RT: 21.57 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

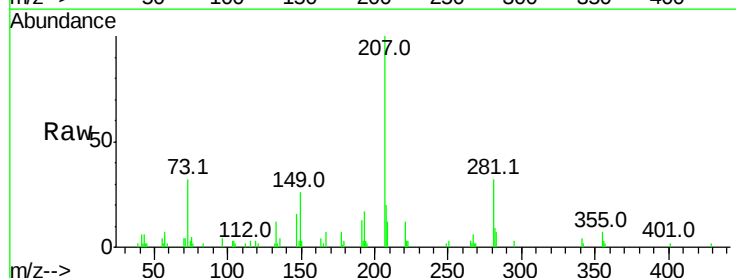
Tgt Ion:149 Resp: 5879

Ion Ratio Lower Upper

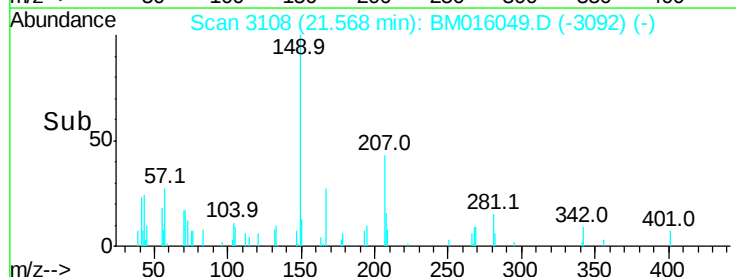
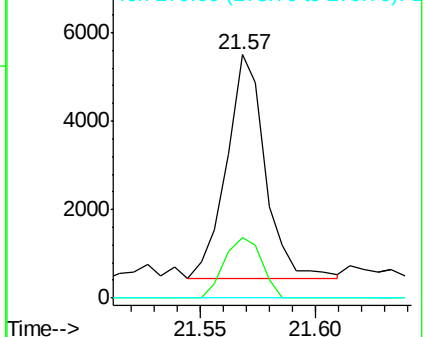
149 100

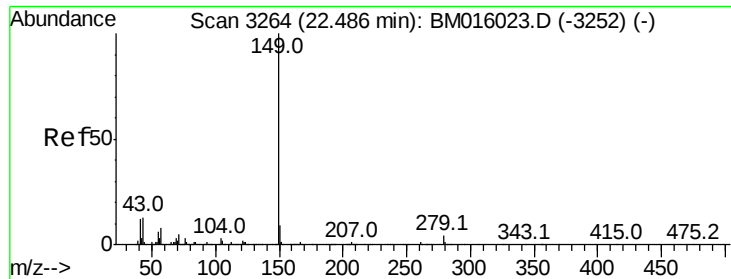
167 24.9 22.4 33.6

279 0.0 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.705 ng

RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

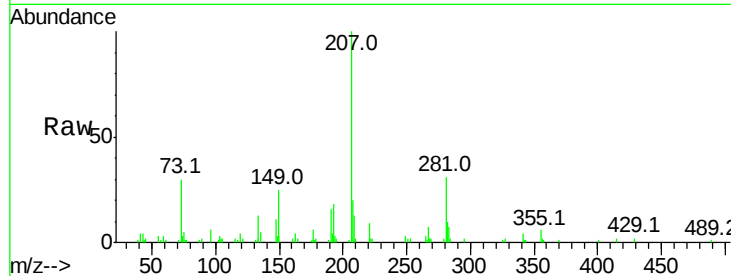
Tot Ion:149 Resp: 9903

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

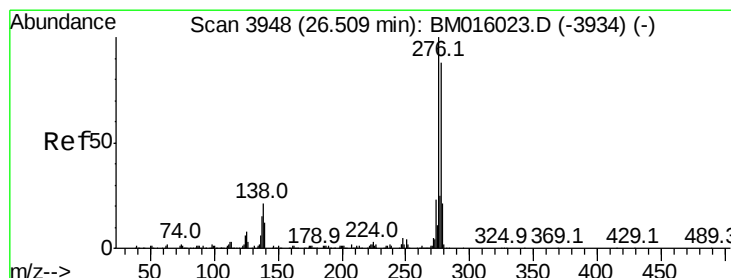
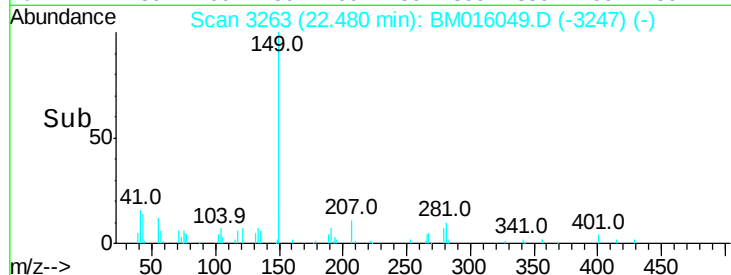
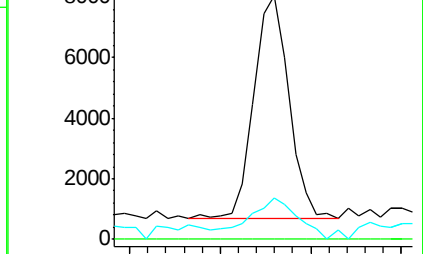
43 26.0 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.917 ng

RT: 26.51 min Scan# 3949

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

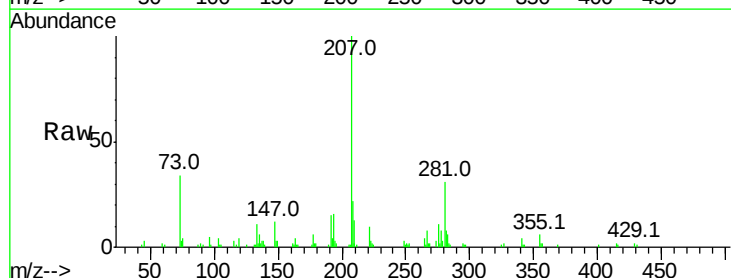
Tgt Ion:276 Resp: 12188

Ion Ratio Lower Upper

276 100

138 17.9 12.0 18.0

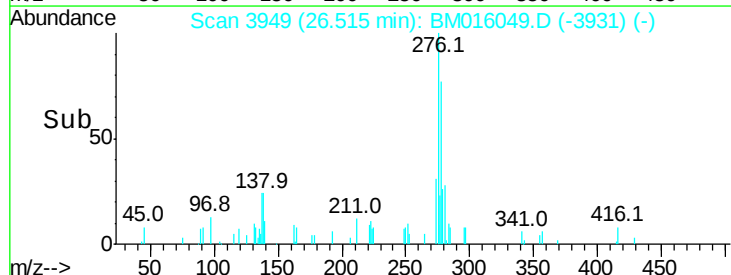
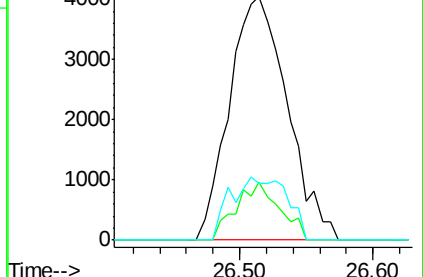
277 25.4 20.0 30.0

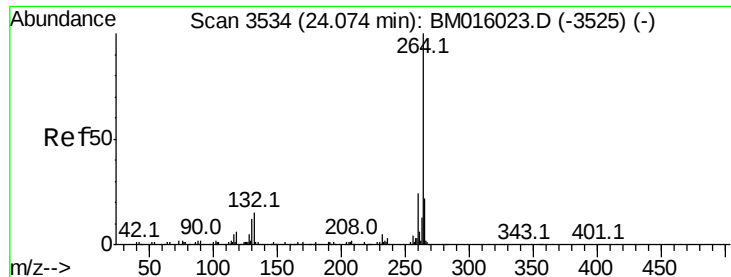


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

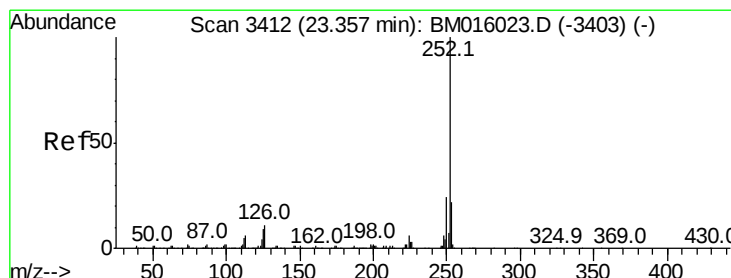
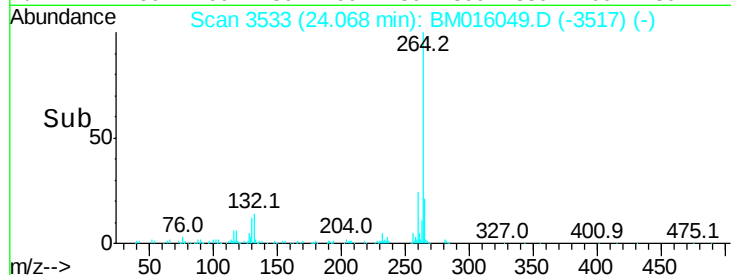
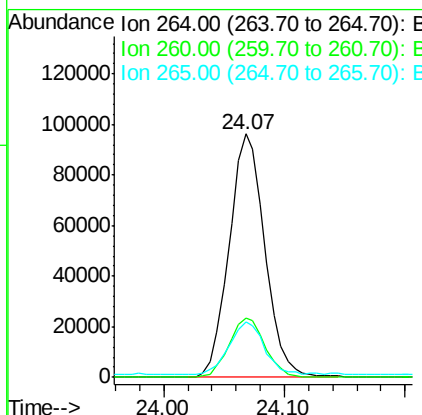
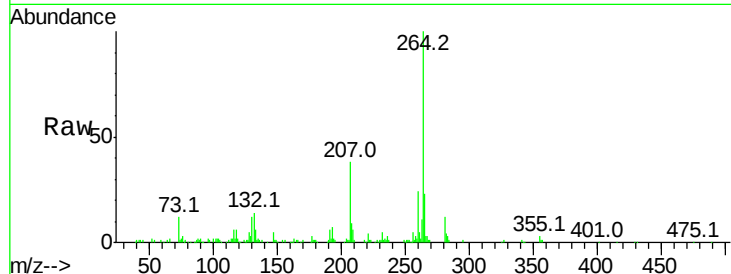




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

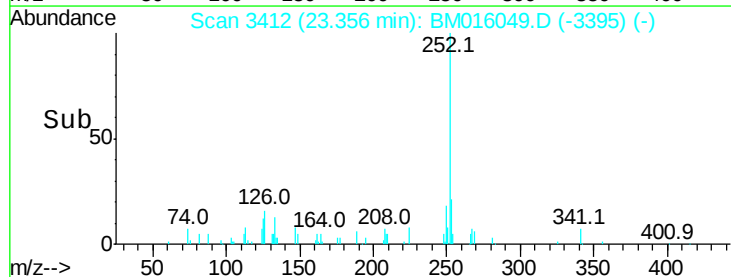
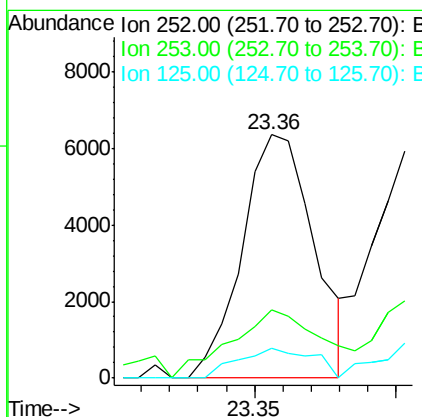
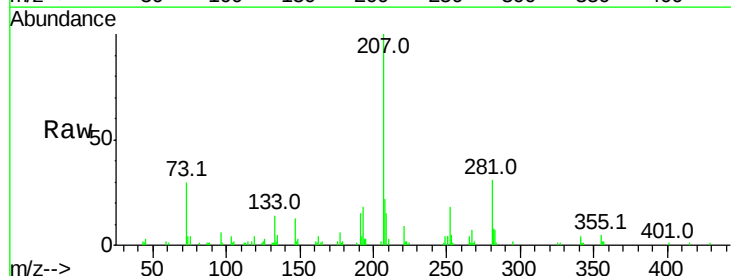
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

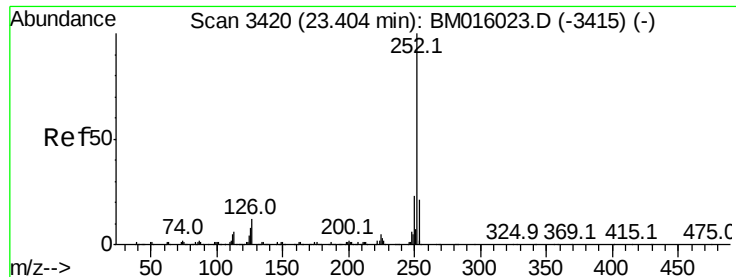
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	22.7	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 0.965 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM016049.D
Acq: 24 Jul 2018 05:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.0	27.0#
125	12.4	9.9	14.9





#88

Benzo(k)fluoranthene

Concen: 1.062 ng

RT: 23.40 min Scan# 3420

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

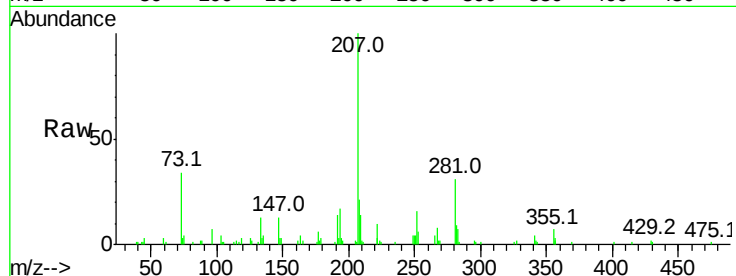
Tot Ion:252 Resp: 12537

Ion Ratio Lower Upper

252 100

253 33.7 17.2 25.8#

125 15.2 8.1 12.1#

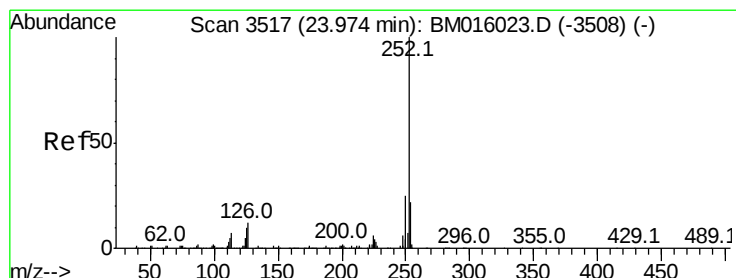
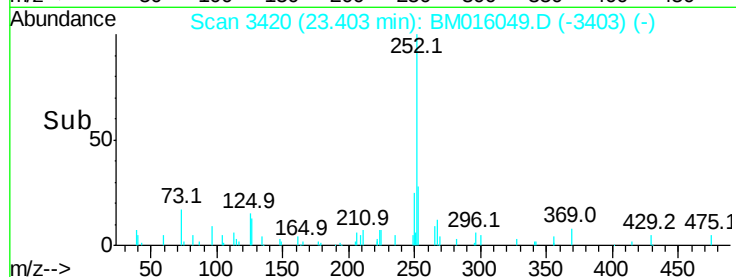


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Benzo(a)pyrene

Concen: 1.034 ng

RT: 23.97 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

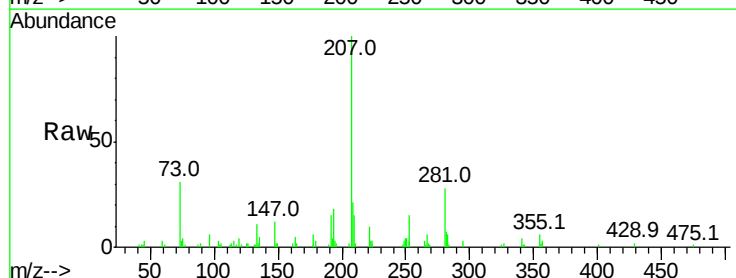
Tgt Ion:252 Resp: 11572

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 10.8 7.4 11.2

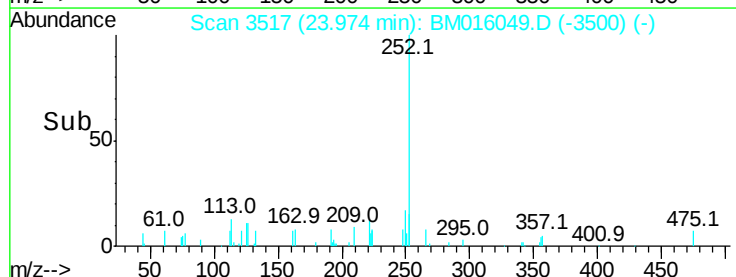


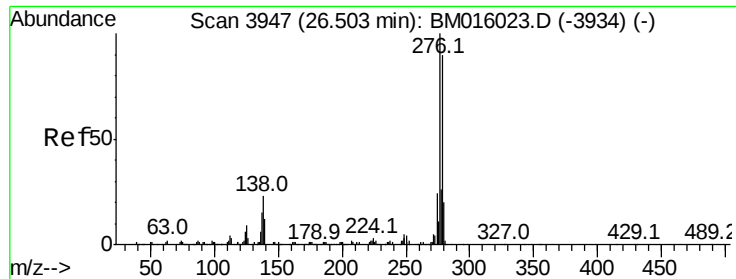
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#90

Dibenzo(a,h)anthracene

Concen: 0.873 ng

RT: 26.51 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

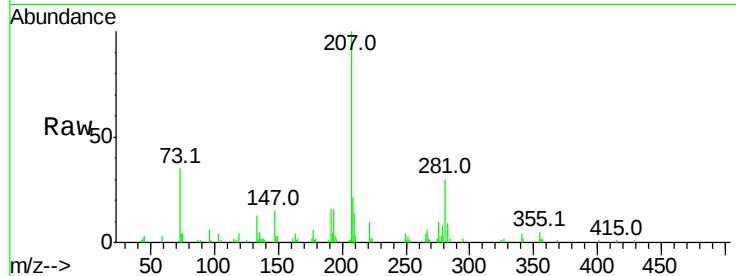
Tot Ion:278 Resp: 10123

Ion Ratio Lower Upper

278 100

139 15.5 13.4 20.0

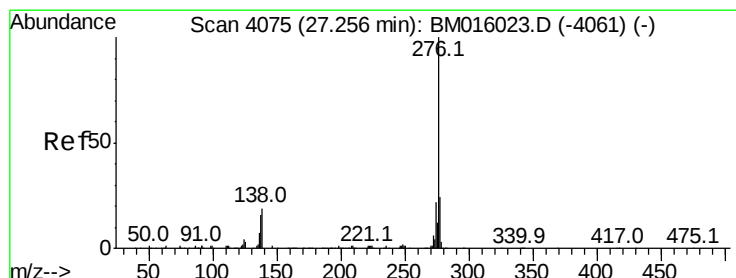
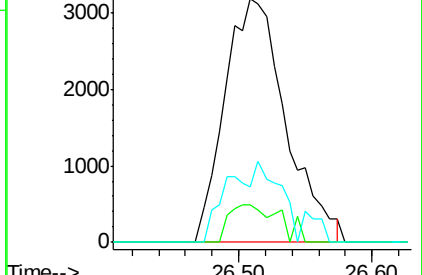
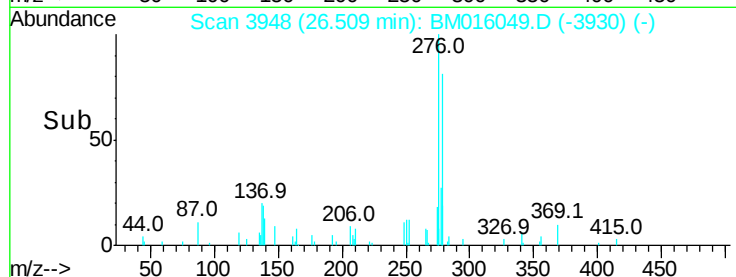
279 22.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 0.962 ng

RT: 27.28 min Scan# 4079

Delta R.T. 0.02 min

Lab File: BM016049.D

Acq: 24 Jul 2018 05:26

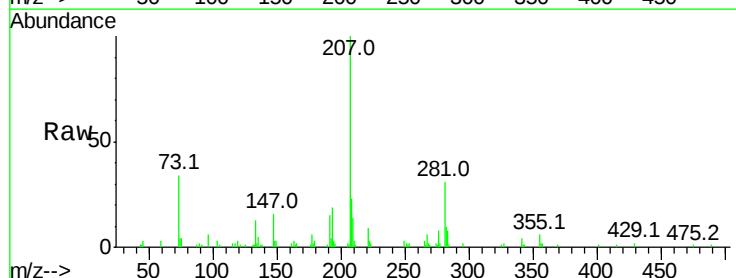
Tgt Ion:276 Resp: 10559

Ion Ratio Lower Upper

276 100

277 24.4 18.5 27.7

138 14.7 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

