

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003284.D
 Acq On : 24 Oct 2018 22:38
 Operator : MJ/SJ
 Sample : J5164-07
 Misc : LOD 1PPM
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 25 07:00:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	87048	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	404994	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	259351	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	617581	20.00	ng	0.00
76) Chrysene-d12	21.21	240	706210	20.00	ng	0.00
87) Perylene-d12	23.41	264	743760	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	715169	143.10	ng	0.00
7) Phenol-d6	6.80	99	974012	137.06	ng	0.00
23) Nitrobenzene-d5	8.76	82	582908	82.54	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	507702	145.38	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1578954	82.58	ng	0.00
79) Terphenyl-d14	19.64	244	2607226	78.95	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.95	93	6170	0.695	ng	# 88
8) 2-Chlorophenol	7.18	128	6053	0.983	ng	# 73
9) Benzaldehyde	6.79	77	5344	1.295	ng	# 66
10) Phenol	6.82	94	7366	0.982	ng	# 1
11) bis(2-Chloroethyl)ether	7.05	93	5577	0.910	ng	96
12) 1,3-Dichlorobenzene	7.50	146	7248	1.059	ng	# 90
13) 1,4-Dichlorobenzene	7.64	146	7042	0.999	ng	92
14) 1,2-Dichlorobenzene	7.64	146	7042	1.030	ng	95
15) Benzyl Alcohol	7.91	79	11914	2.326	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	8.14	45	9117	1.015	ng	86
18) Hexachloroethane	8.66	117	2488	1.008	ng	88
24) Nitrobenzene	8.80	77	7474	1.037	ng	# 96
31) Naphthalene	10.43	128	21477	1.085	ng	97
34) Hexachlorobutadiene	10.70	225	3649	0.884	ng	# 87
37) 2-Methylnaphthalene	12.06	142	15587	1.102	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.43	216	7795	0.909	ng	95
46) 1,1'-Biphenyl	13.08	154	23378	1.027	ng	98
47) 2-Chloronaphthalene	13.13	162	15392	0.917	ng	97
48) 2-Nitroaniline	13.39	65	2738	0.555	ng	# 77
49) Acenaphthylene	13.97	152	25174	0.980	ng	97
50) Dimethylphthalate	13.73	163	20507	0.978	ng	# 97
51) 2,6-Dinitrotoluene	13.87	165	3329	0.699	ng	# 84
52) Acenaphthene	14.31	154	16678	1.071	ng	95
55) Dibenzofuran	14.67	168	26106	1.031	ng	93
58) Fluorene	15.31	166	21141	1.081	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.91	232	3636	0.732	ng	# 93
60) Diethylphthalate	15.08	149	20384	0.958	ng	98
63) Azobenzene	15.59	77	18286	0.930	ng	98
66) n-Nitrosodiphenylamine	15.53	169	17007	0.880	ng	98
67) 4-Bromophenyl-phenylether	16.20	248	6514	0.937	ng	98
68) Hexachlorobenzene	16.32	284	7698	0.972	ng	98
69) Atrazine	16.49	200	5501	0.803	ng	92
71) Phenanthrene	17.05	178	35252	1.086	ng	96
72) Anthracene	17.16	178	33720	1.041	ng	98

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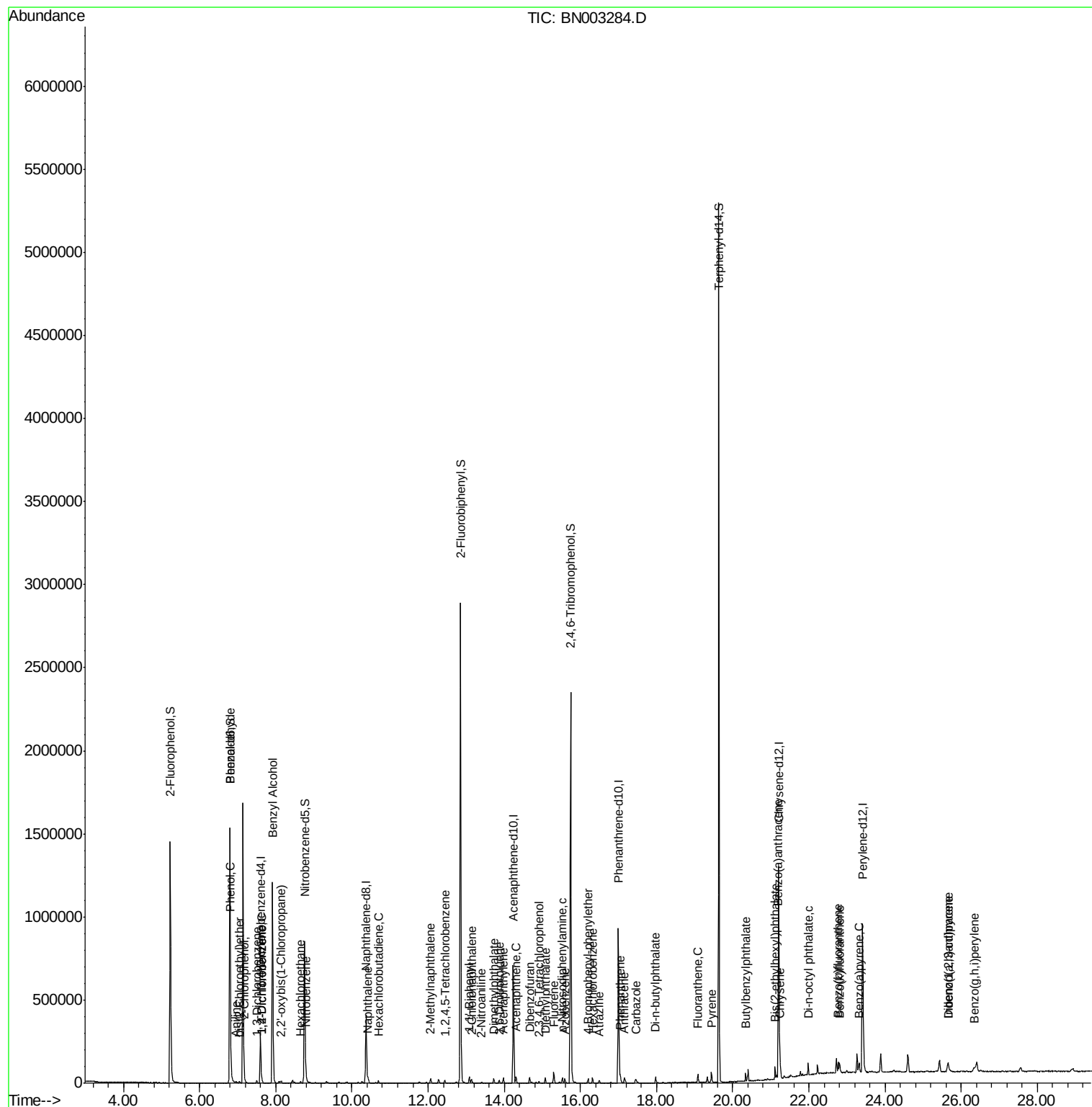
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Carbazole	17.46	167	29871	0.890	ng	96
74) Di-n-butylphthalate	17.97	149	31532	0.806	ng	100
75) Fluoranthene	19.09	202	39511	1.033	ng	98
78) Pyrene	19.45	202	42992	1.036	ng	98
80) Butylbenzylphthalate	20.34	149	15170	0.787	ng	97
81) Benzo(a)anthracene	21.19	228	45188	1.099	ng	97
83) Chrysene	21.25	228	44215	1.118	ng	97
84) Bis(2-ethylhexyl)phthalate	21.12	149	25293	0.885	ng	96
85) Di-n-octyl phthalate	21.99	149	44430	0.906	ng	99
86) Indeno(1,2,3-cd)pyrene	25.66	276	46328	1.022	ng	99
88) Benzo(b)fluoranthene	22.76	252	43417	1.060	ng	97
89) Benzo(k)fluoranthene	22.81	252	46151	1.149	ng	97
90) Benzo(a)pyrene	23.32	252	41183	1.055	ng	96
91) Dibenzo(a,h)anthracene	25.65	278	40157	1.040	ng	# 91
92) Benzo(g,h,i)perylene	26.34	276	39309	1.060	ng	98

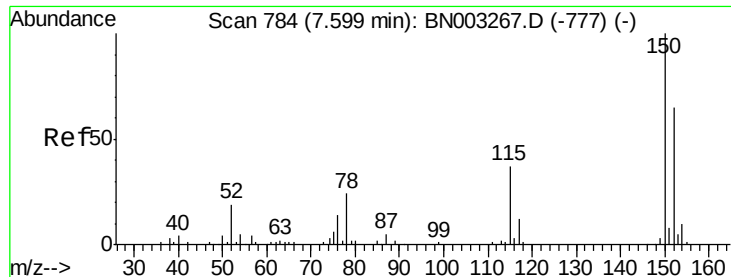
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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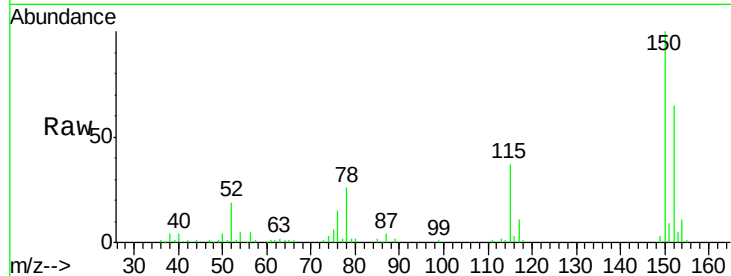


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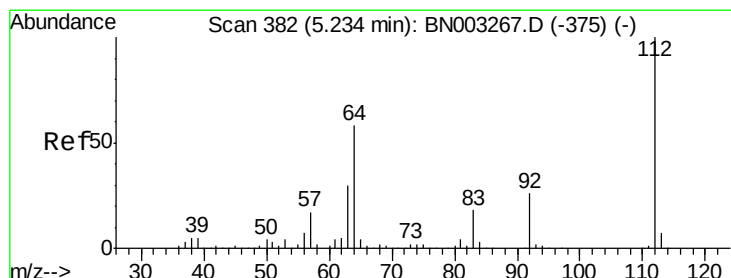
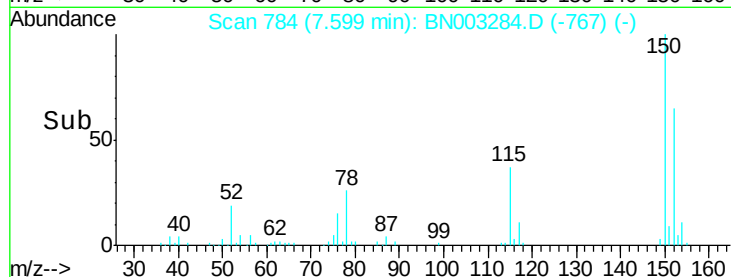
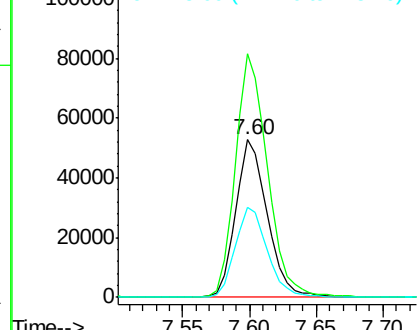
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 784
Delta R.T. -0.00 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

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

Tgt Ion:152 Resp: 87048
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.8
115 57.3 45.9 68.9



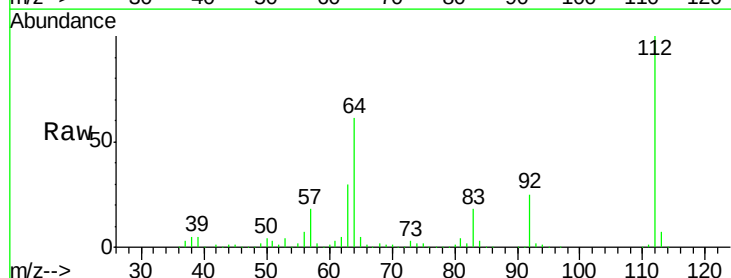
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



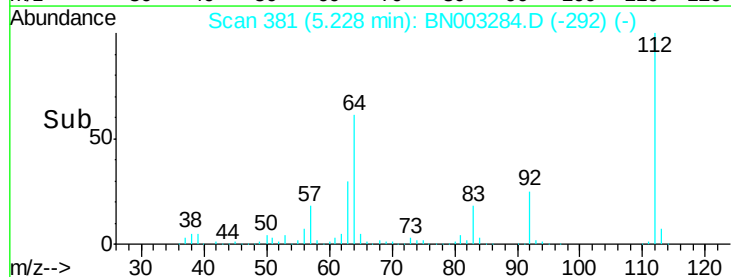
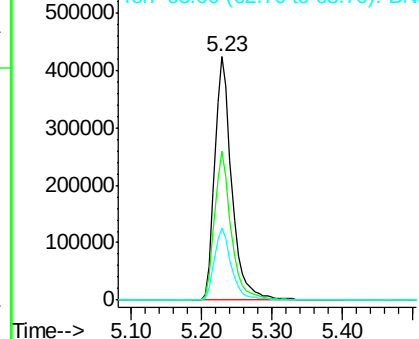
#5

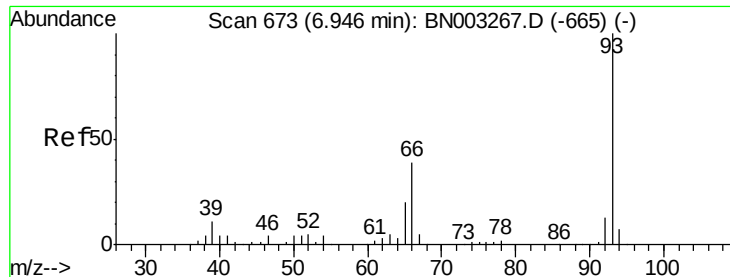
2-Fluorophenol
Concen: 143.098 ng
RT: 5.23 min Scan# 381
Delta R.T. -0.01 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

Tgt Ion:112 Resp: 715169
Ion Ratio Lower Upper
112 100
64 61.2 46.6 69.8
63 29.9 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#6

Aniline

Concen: 0.695 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

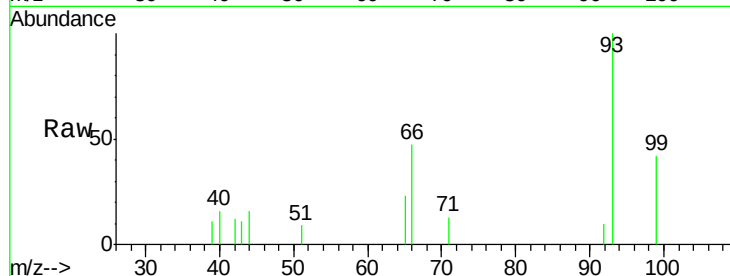
Tgt Ion: 93 Resp: 6170

Ion Ratio Lower Upper

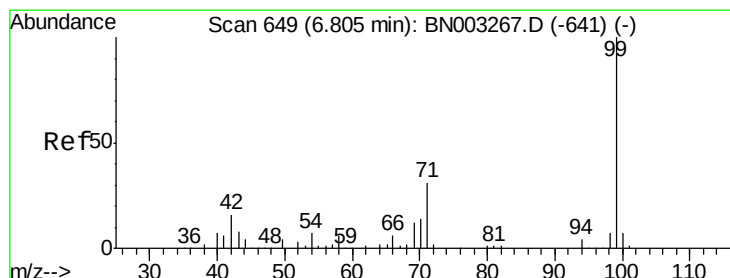
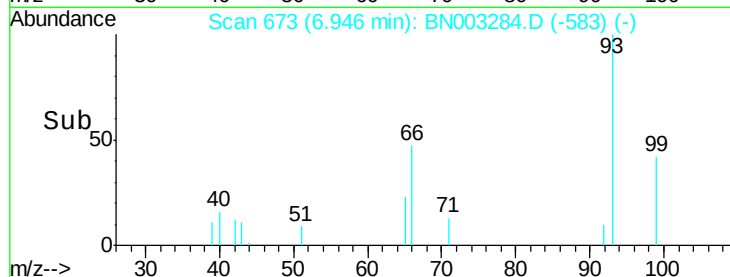
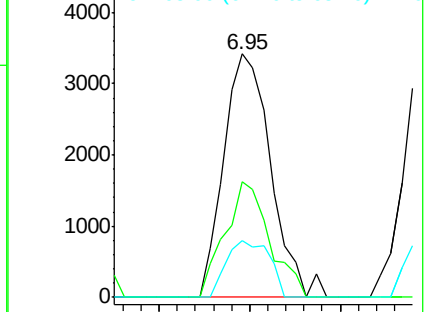
93 100

66 47.3 31.4 47.0#

65 23.3 15.7 23.5



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 66.00 (65.70 to 66.70): BN0
Ion 65.00 (64.70 to 65.70): BN0



#7

Phenol-d6

Concen: 137.058 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

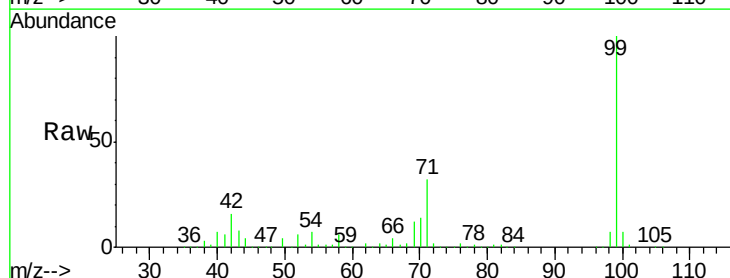
Tgt Ion: 99 Resp: 974012

Ion Ratio Lower Upper

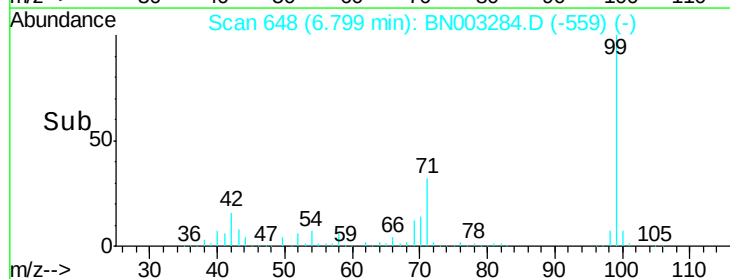
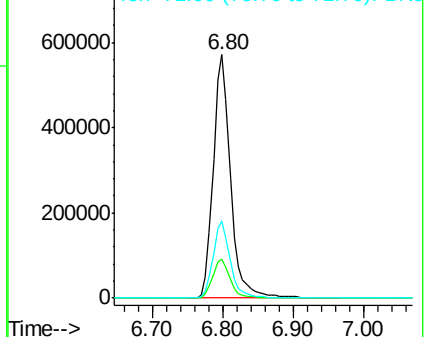
99 100

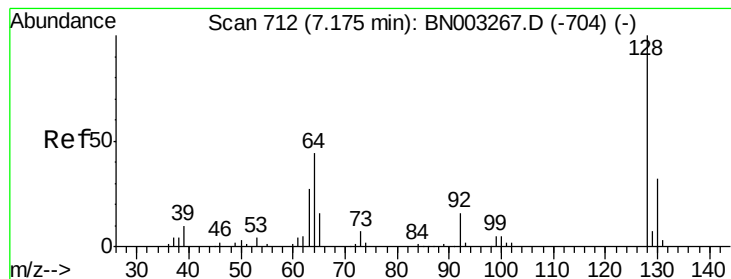
42 15.9 13.0 19.6

71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0





#8

2-Chlorophenol

Concen: 0.983 ng

RT: 7.18 min Scan# 712

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

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LOD-MDL-WATER-01-QT4-2018

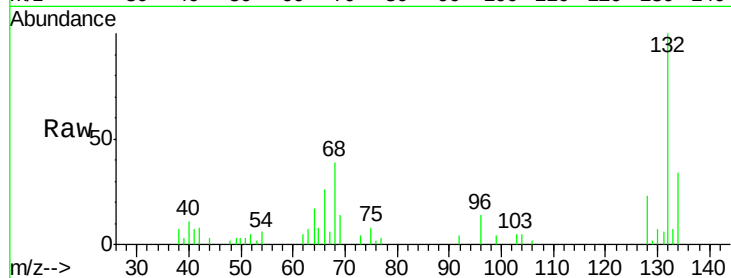
Tgt Ion:128 Resp: 6053

Ion Ratio Lower Upper

128 100

130 30.8 12.4 52.4

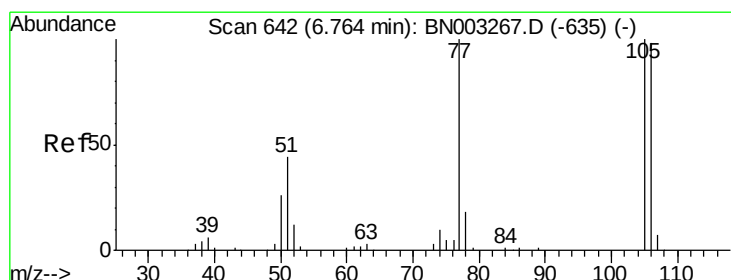
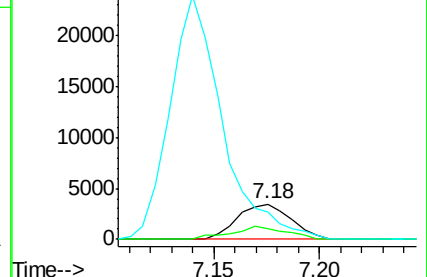
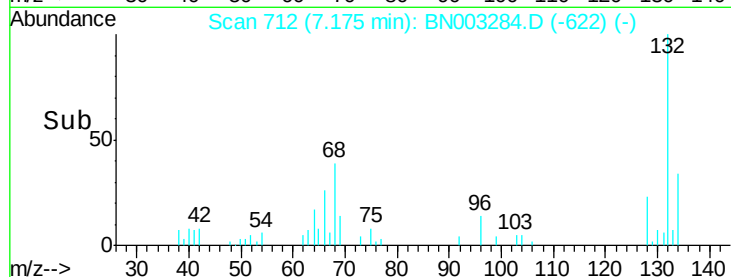
64 76.2 27.0 67.0#



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): BNC



#9

Benzaldehyde

Concen: 1.295 ng

RT: 6.79 min Scan# 647

Delta R.T. 0.03 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

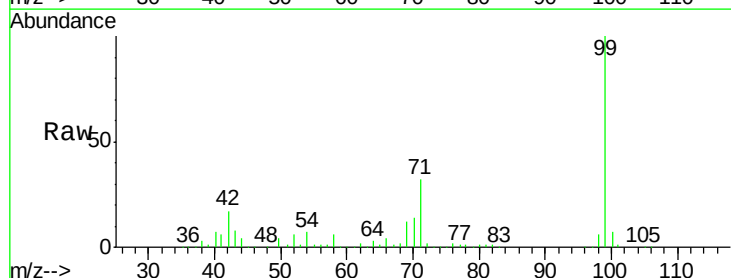
Tgt Ion: 77 Resp: 5344

Ion Ratio Lower Upper

77 100

105 60.8 79.9 119.9#

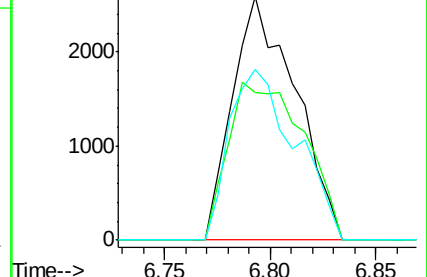
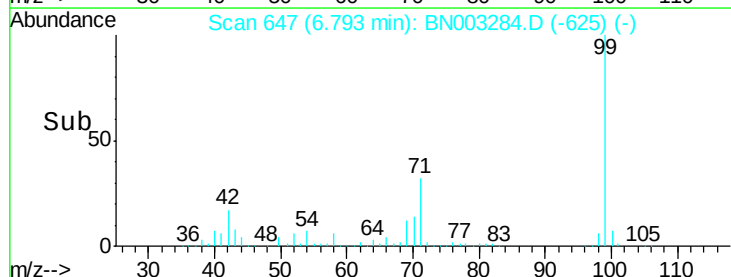
106 70.1 78.4 118.4#

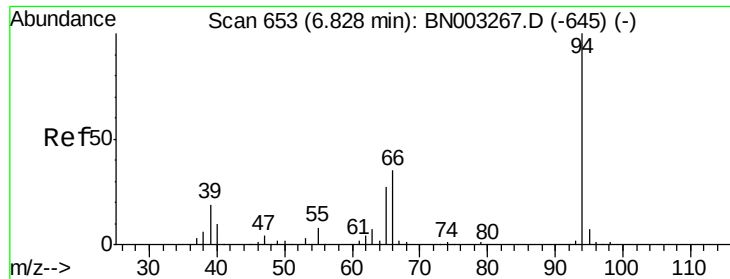


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.982 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.01 min

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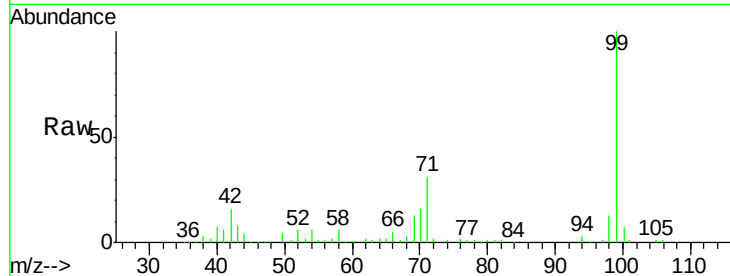
Tgt Ion: 94 Resp: 7366

Ion Ratio Lower Upper

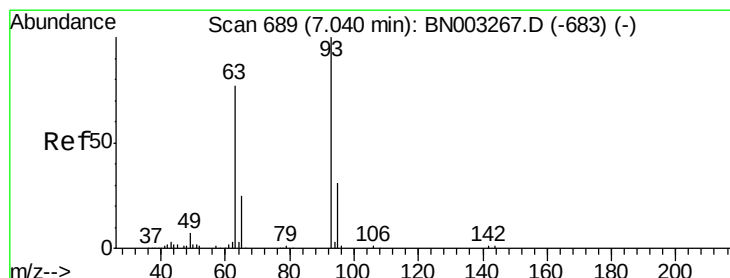
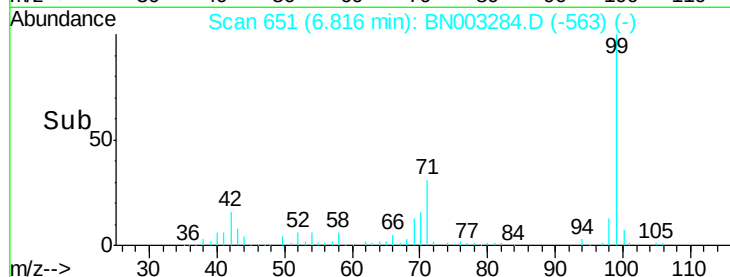
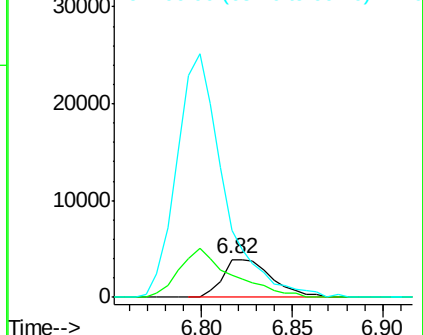
94 100

65 57.8 7.7 47.7#

66 174.2 15.8 55.8#



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#11

bis(2-Chloroethyl)ether

Concen: 0.910 ng

RT: 7.05 min Scan# 690

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

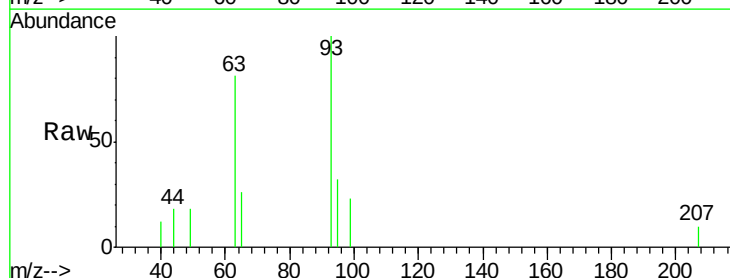
Tgt Ion: 93 Resp: 5577

Ion Ratio Lower Upper

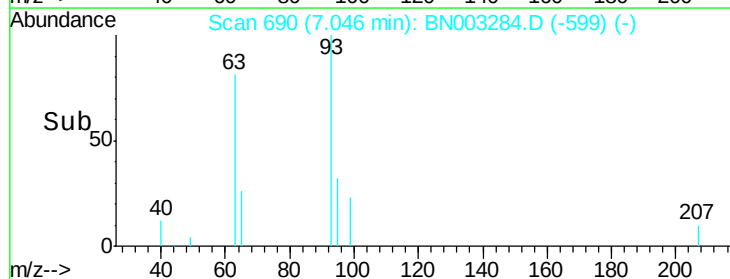
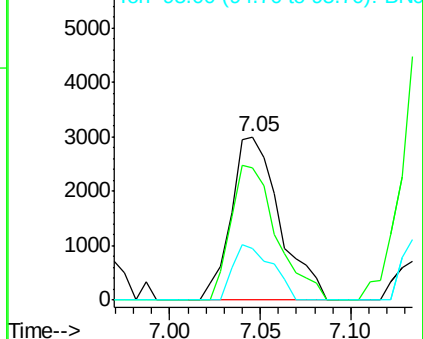
93 100

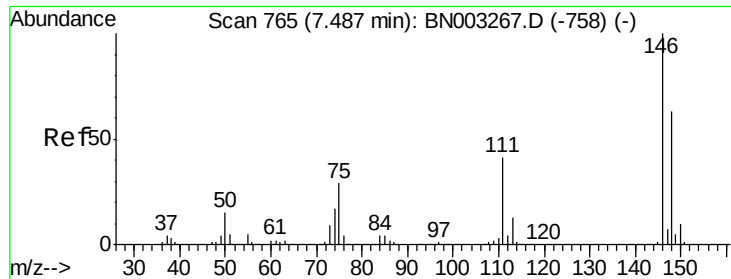
63 81.5 56.6 96.6

95 31.6 10.9 50.9



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0

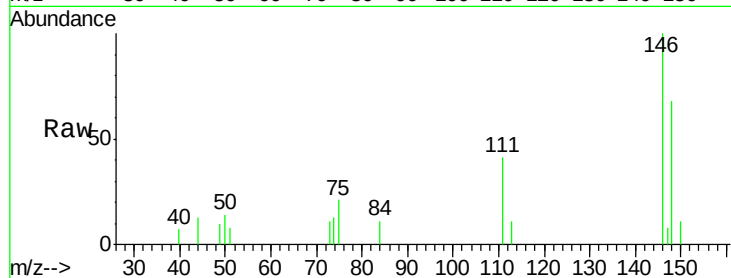




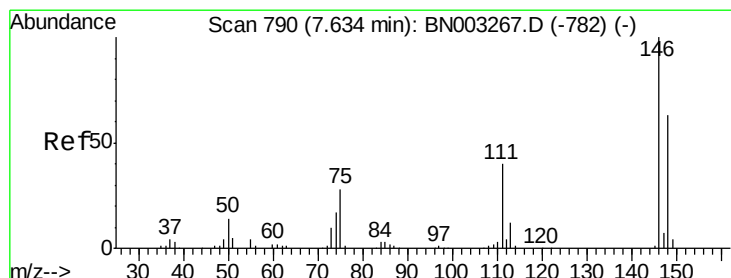
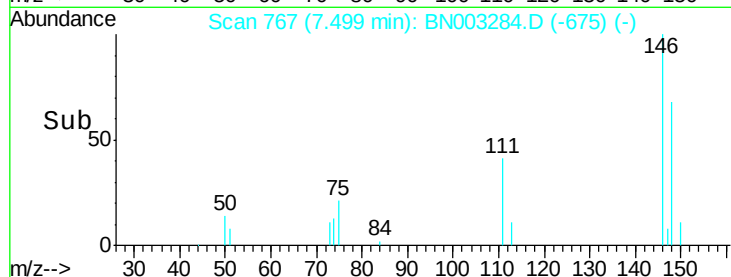
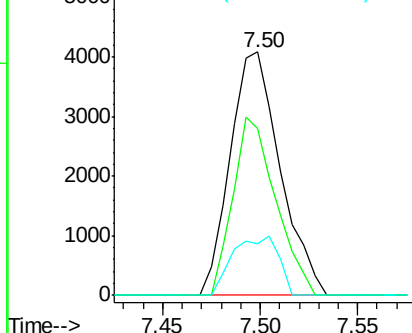
#12
 1,3-Dichlorobenzene
 Concen: 1.059 ng
 RT: 7.50 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

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Tgt Ion:146 Resp: 7248
 Ion Ratio Lower Upper
 146 100
 148 68.2 50.1 75.1
 75 21.0 22.9 34.3#

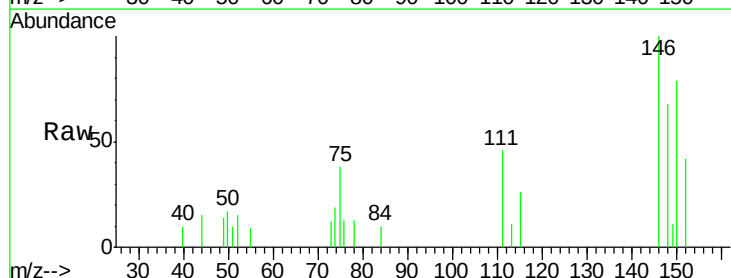


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BNC

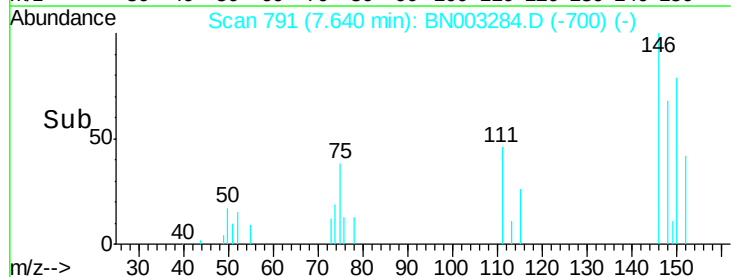
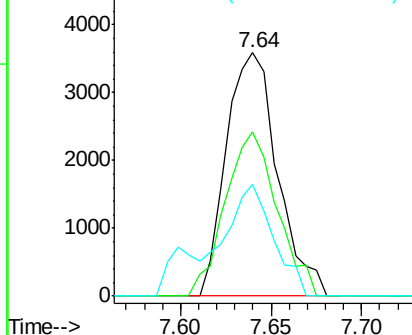


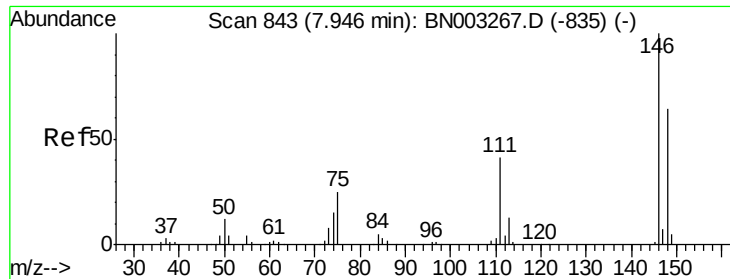
#13
 1,4-Dichlorobenzene
 Concen: 0.999 ng
 RT: 7.64 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion:146 Resp: 7042
 Ion Ratio Lower Upper
 146 100
 148 67.7 50.2 75.2
 111 45.9 32.1 48.1



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

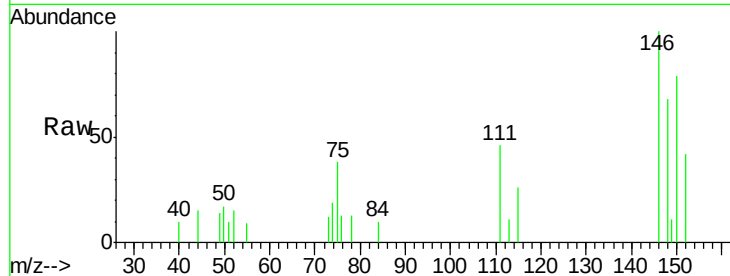




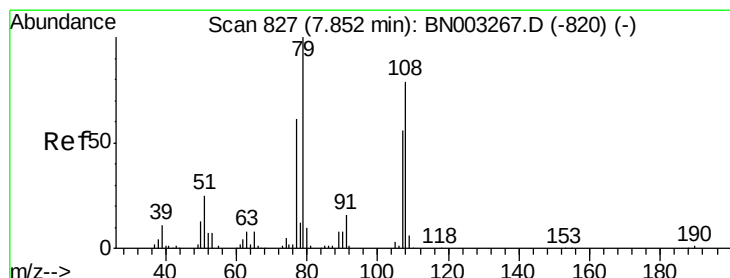
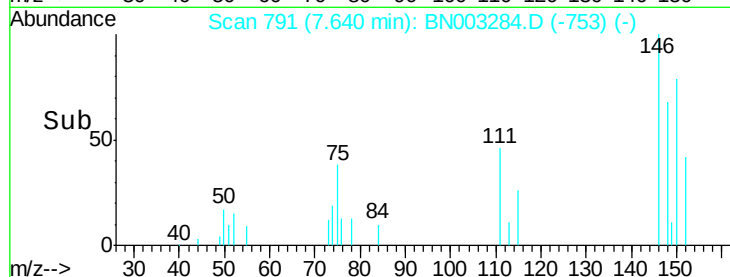
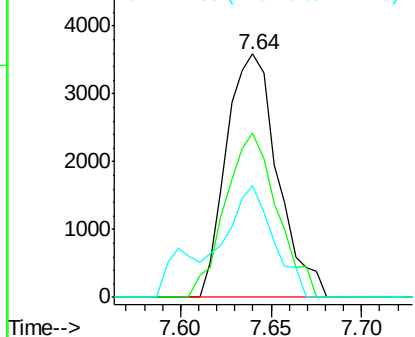
#14
 1,2-Dichlorobenzene
 Concen: 1.030 ng
 RT: 7.64 min Scan# 791
 Delta R.T. -0.31 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

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

Tgt Ion:146 Resp: 7042
 Ion Ratio Lower Upper
 146 100
 148 67.7 51.4 77.2
 111 45.9 33.1 49.7

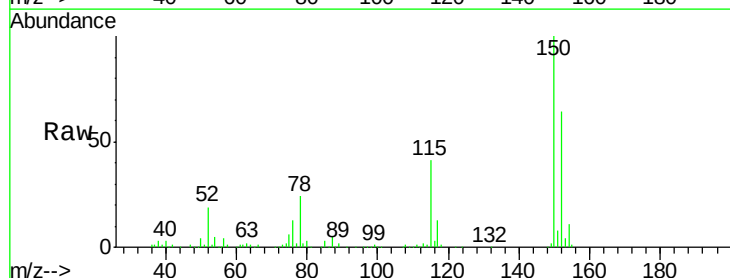


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

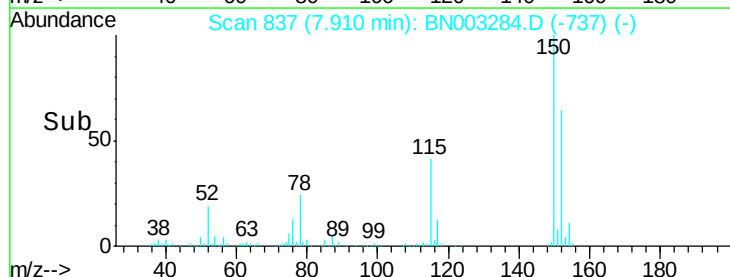
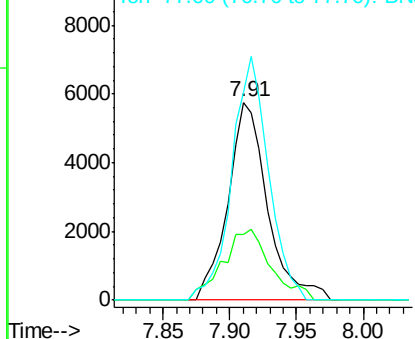


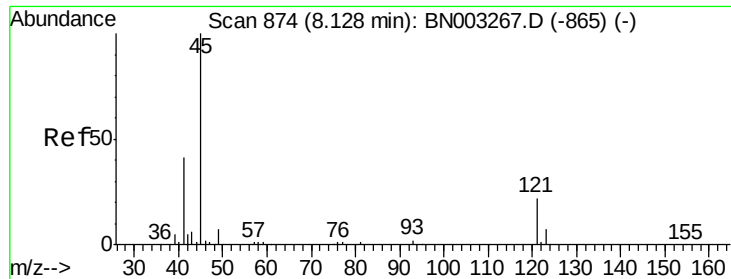
#15
 Benzyl Alcohol
 Concen: 2.326 ng
 RT: 7.91 min Scan# 837
 Delta R.T. 0.06 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion: 79 Resp: 11914
 Ion Ratio Lower Upper
 79 100
 108 33.5 63.3 94.9#
 77 105.4 49.0 73.6#



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

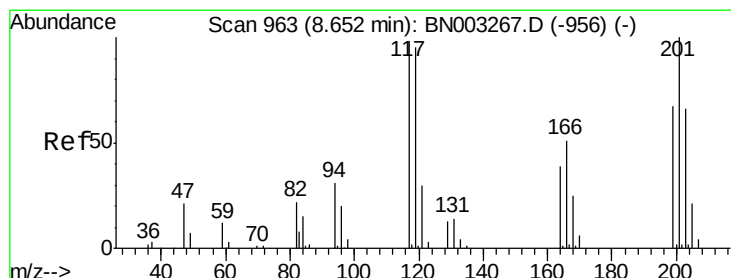
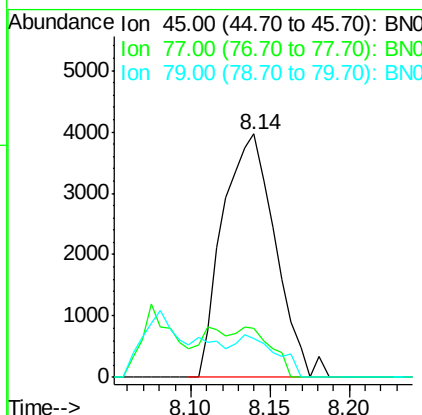
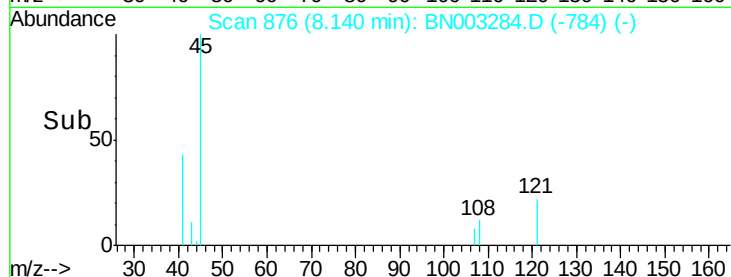
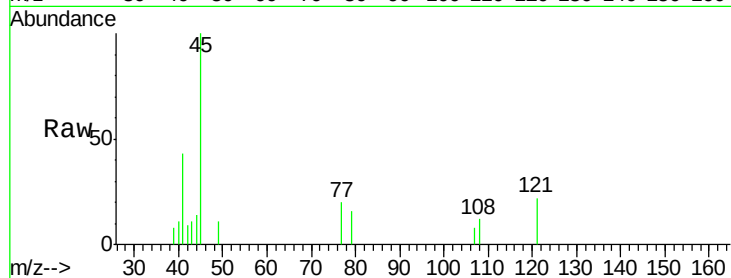




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 1.015 ng
 RT: 8.14 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

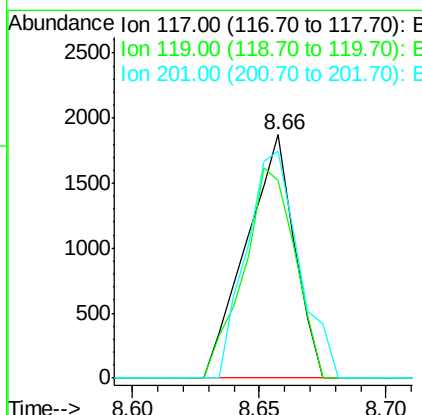
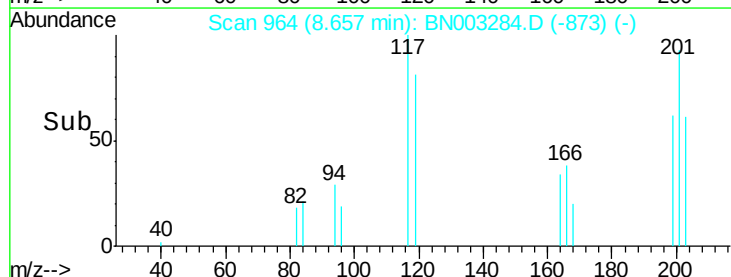
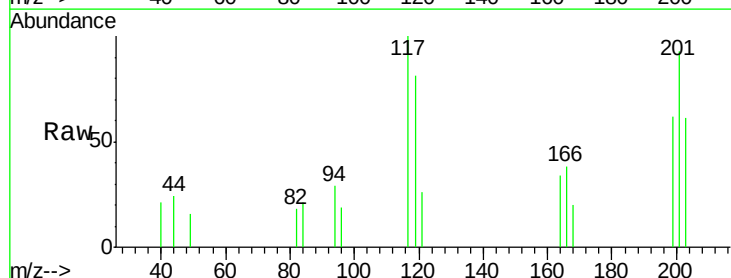
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

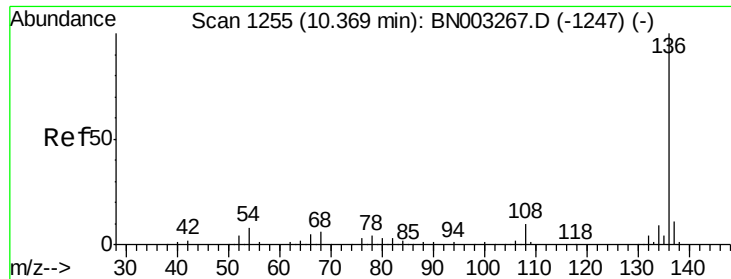
Tgt Ion: 45 Resp: 9117
 Ion Ratio Lower Upper
 45 100
 77 20.1 0.0 34.0
 79 16.1 0.0 30.9



#18
 Hexachloroethane
 Concen: 1.008 ng
 RT: 8.66 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion: 117 Resp: 2488
 Ion Ratio Lower Upper
 117 100
 119 81.0 77.8 116.6
 201 93.1 81.4 122.2

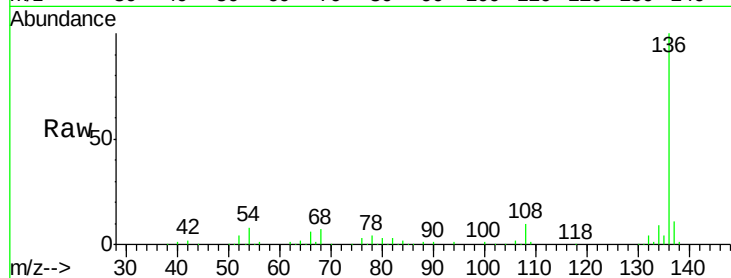




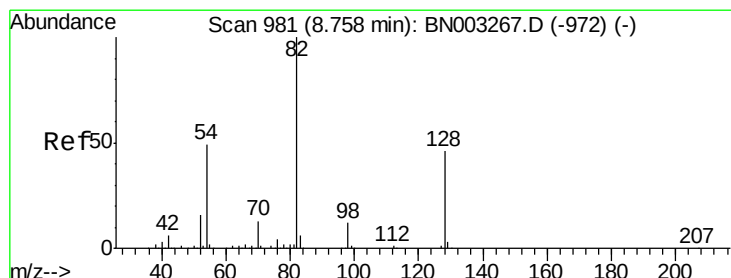
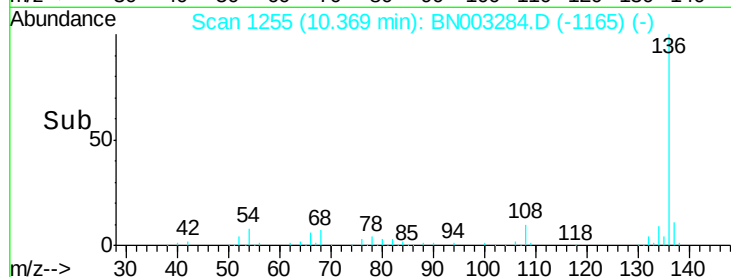
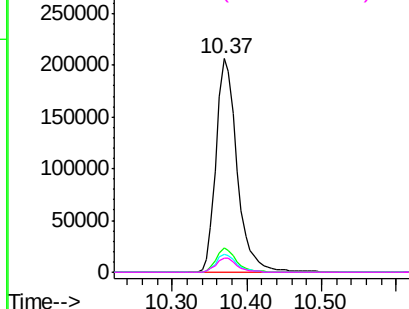
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

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

Tgt Ion: 136 Resp: 404994
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 8.2 6.6 10.0
68 6.6 4.6 7.0

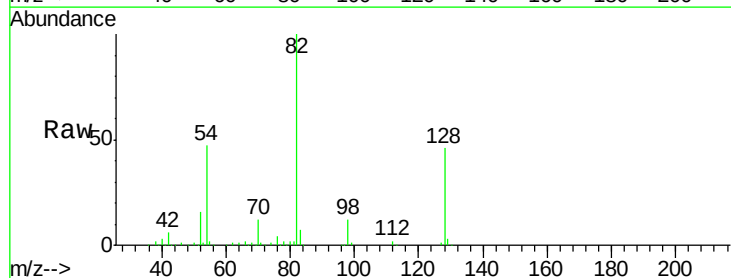


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

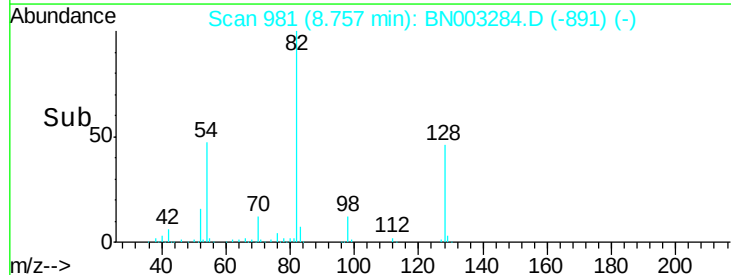
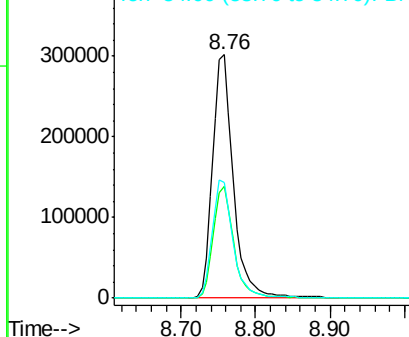


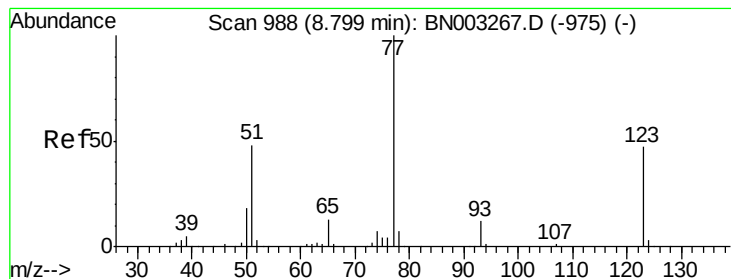
#23
Nitrobenzene-d5
Concen: 82.543 ng
RT: 8.76 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

Tgt Ion: 82 Resp: 582908
Ion Ratio Lower Upper
82 100
128 45.9 37.1 55.7
54 47.2 39.4 59.2



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





#24

Nitrobenzene

Concen: 1.037 ng

RT: 8.80 min Scan# 988

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

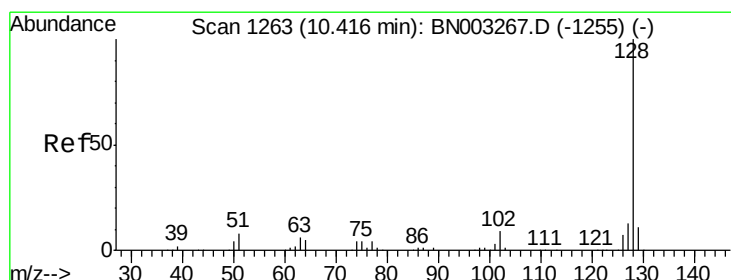
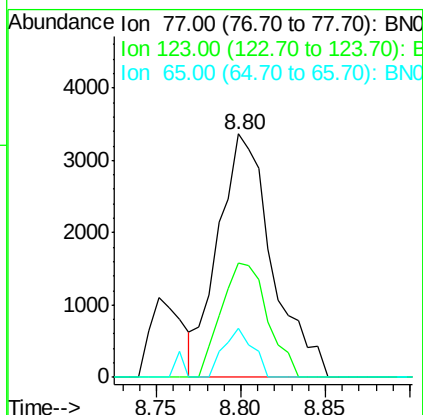
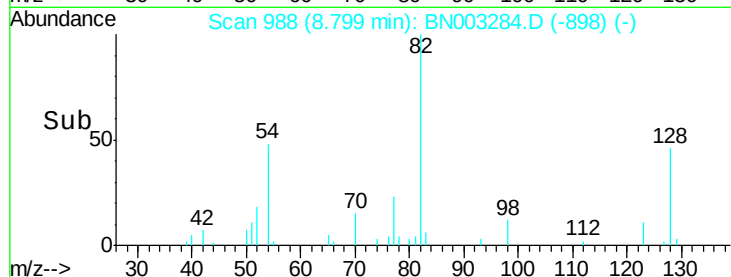
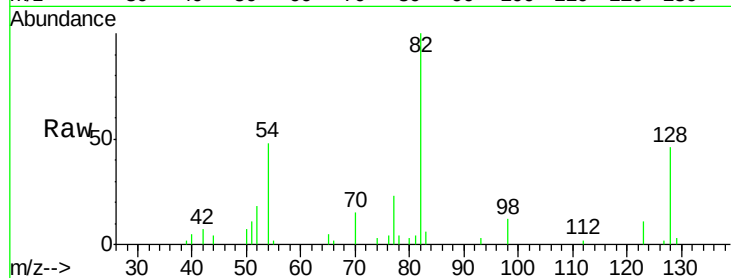
Tgt Ion: 77 Resp: 7474

Ion Ratio Lower Upper

77 100

123 46.8 37.8 56.6

65 20.3 10.7 16.1#



#31

Naphthalene

Concen: 1.085 ng

RT: 10.43 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

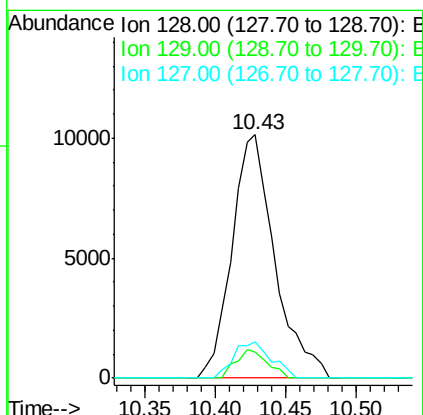
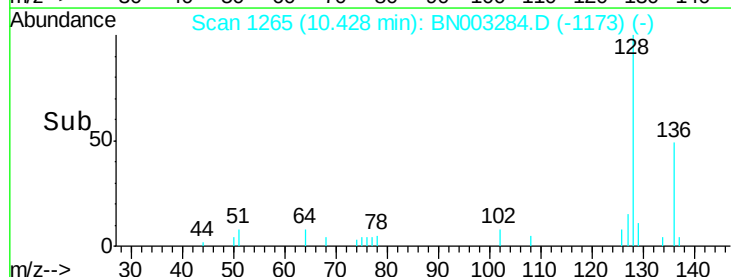
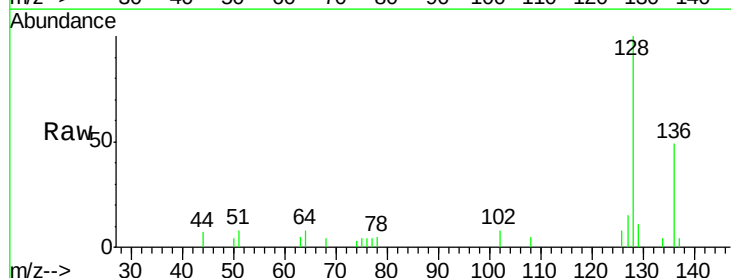
Tgt Ion: 128 Resp: 21477

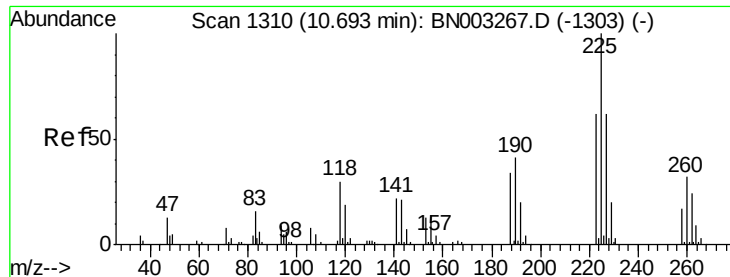
Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 14.8 10.4 15.6





#34

Hexachlorobutadiene

Concen: 0.884 ng

RT: 10.70 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

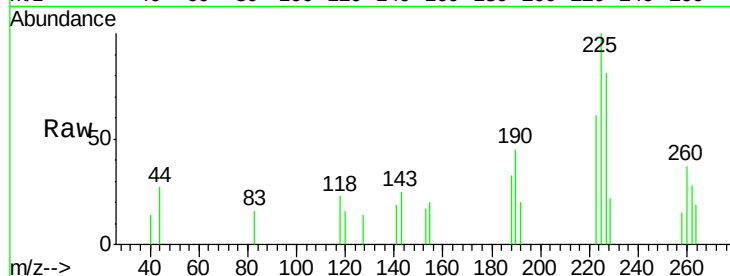
Tgt Ion: 225 Resp: 3649

Ion Ratio Lower Upper

225 100

223 61.2 49.8 74.8

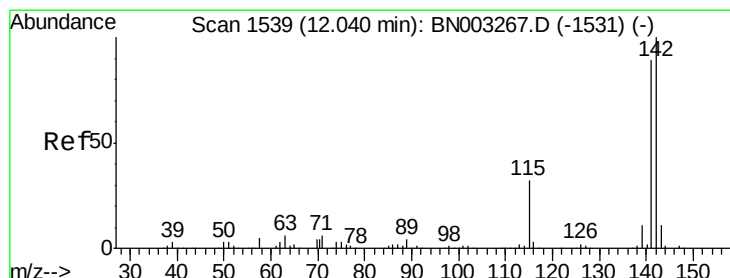
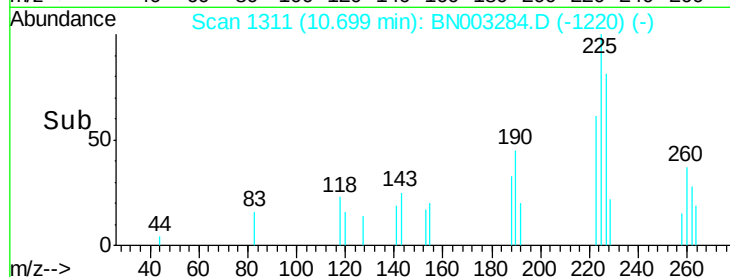
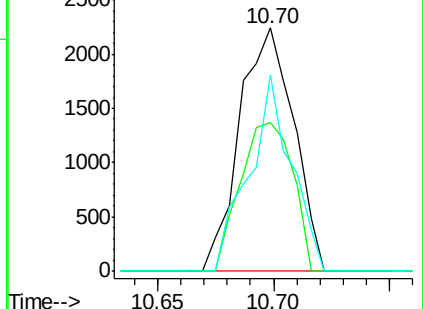
227 80.5 49.6 74.4#



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: 1.102 ng

RT: 12.06 min Scan# 1543

Delta R.T. 0.02 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

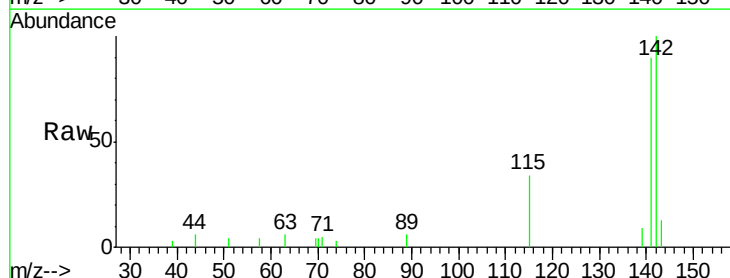
Tgt Ion: 142 Resp: 15587

Ion Ratio Lower Upper

142 100

141 89.9 71.6 107.4

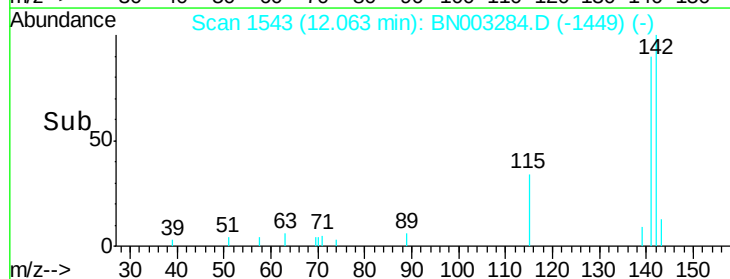
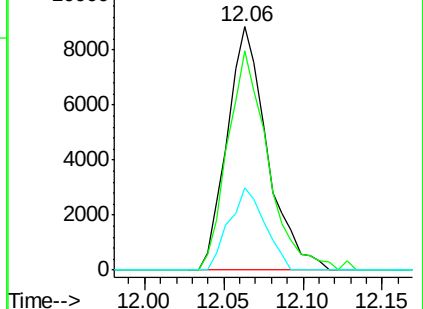
115 33.9 25.5 38.3

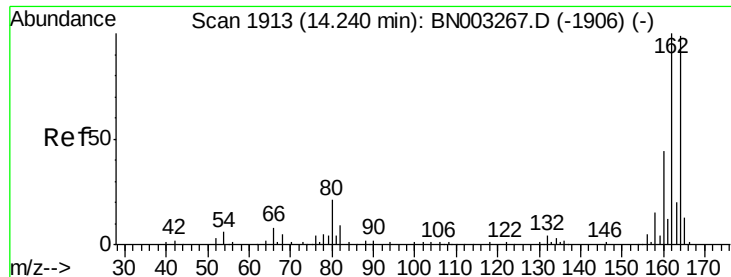


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

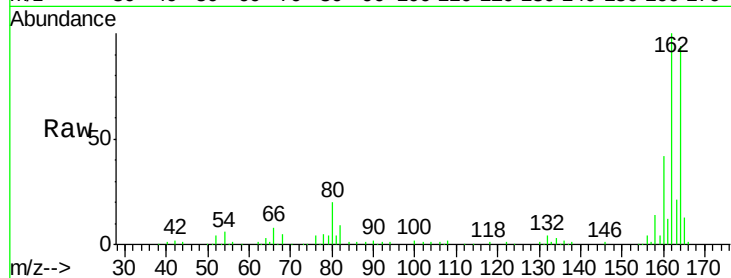
Tgt Ion:164 Resp: 259351

Ion Ratio Lower Upper

164 100

162 106.3 80.8 121.2

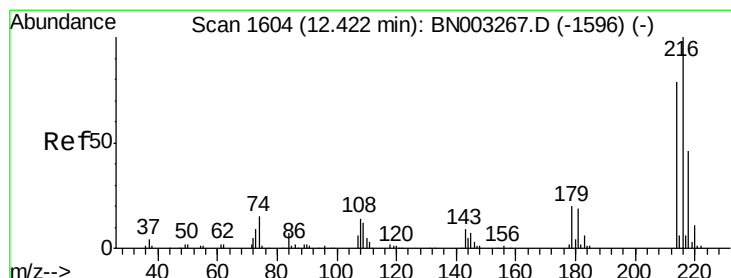
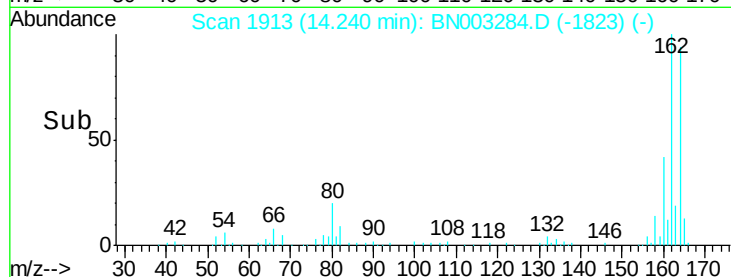
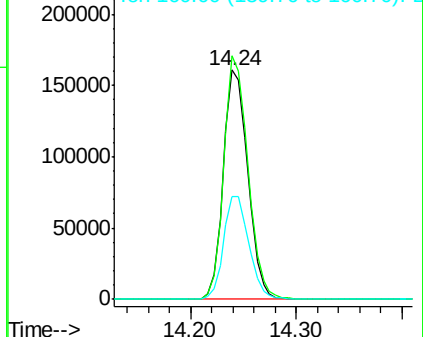
160 44.8 35.5 53.3



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.909 ng

RT: 12.43 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Tgt Ion:216 Resp: 7795

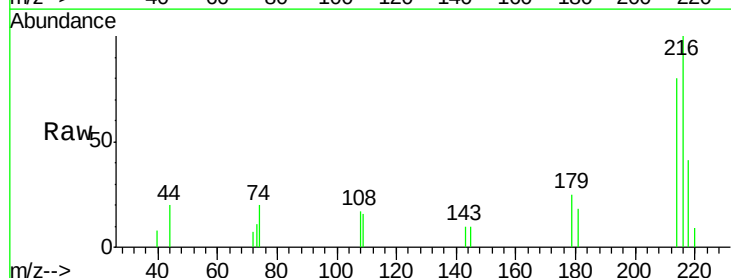
Ion Ratio Lower Upper

216 100

214 73.5 62.8 94.2

179 19.4 16.0 24.0

108 13.9 12.9 19.3

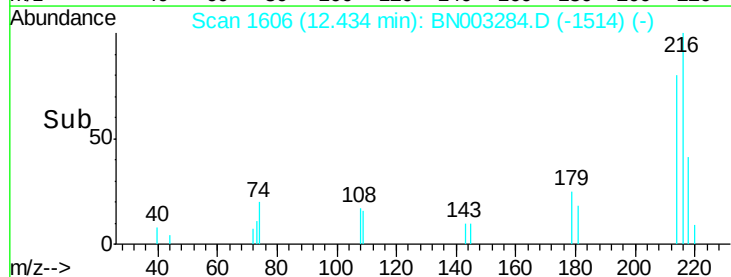
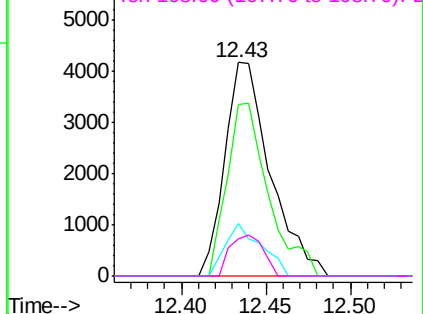


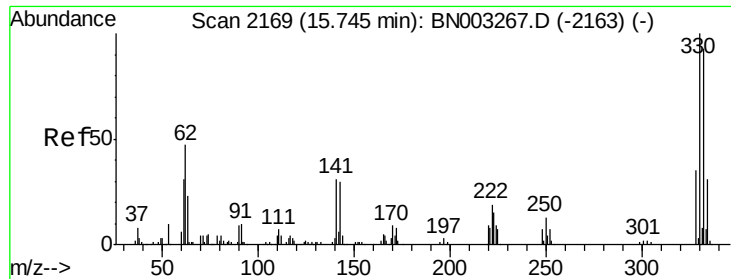
Abundance Ion 216.00 (215.70 to 216.70): E

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

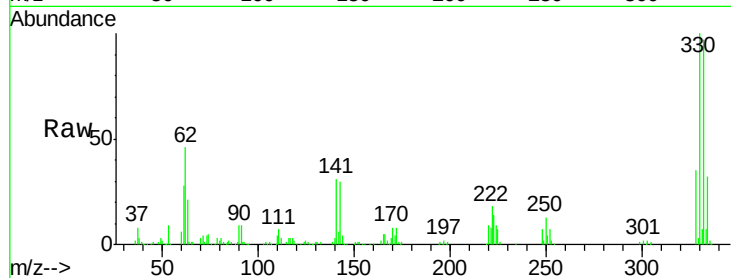




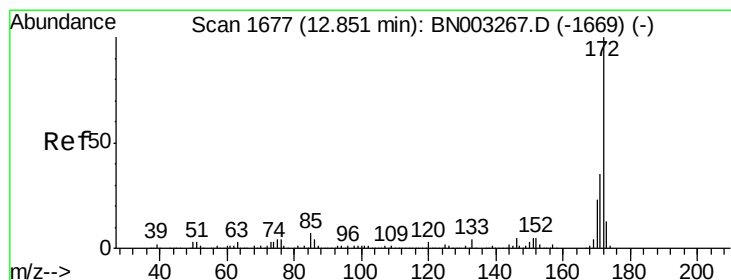
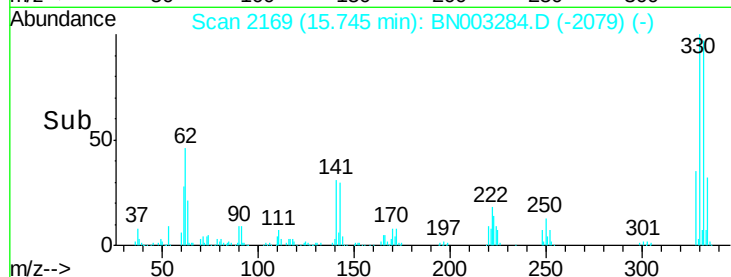
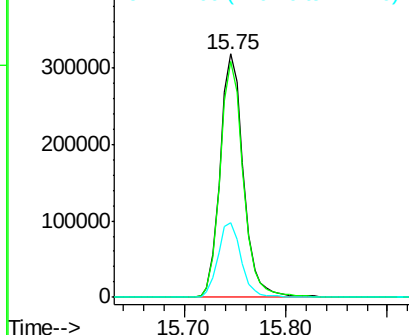
#42
 2,4,6-Tribromophenol
 Concen: 145.380 ng
 RT: 15.75 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

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

Tgt Ion:330 Resp: 507702
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 31.0 24.5 36.7

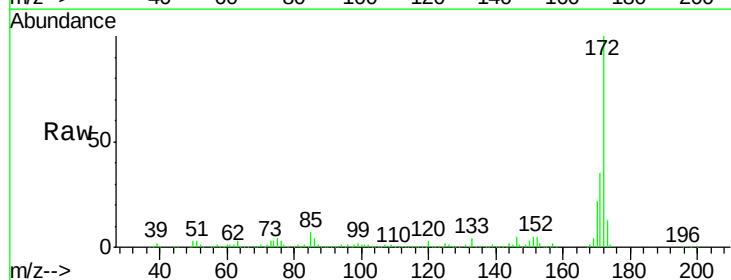


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

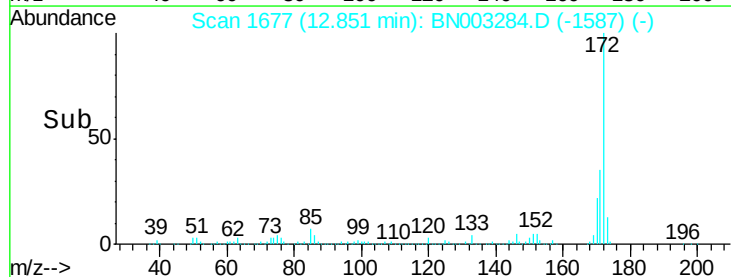
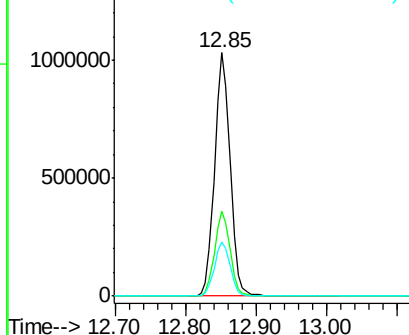


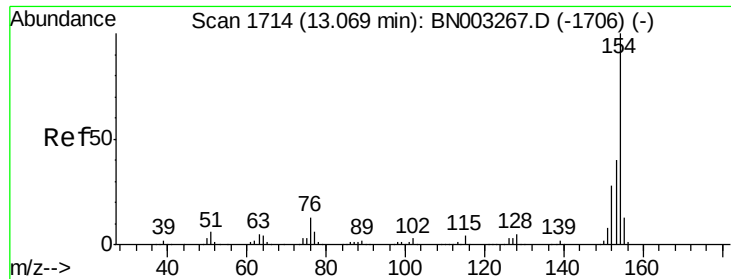
#45
 2-Fluorobiphenyl
 Concen: 82.580 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion:172 Resp: 1578954
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.4
 170 22.3 18.4 27.6



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

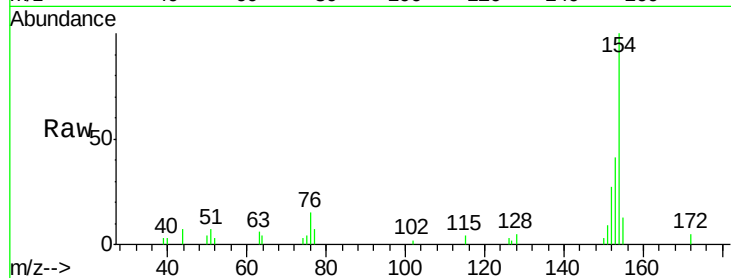




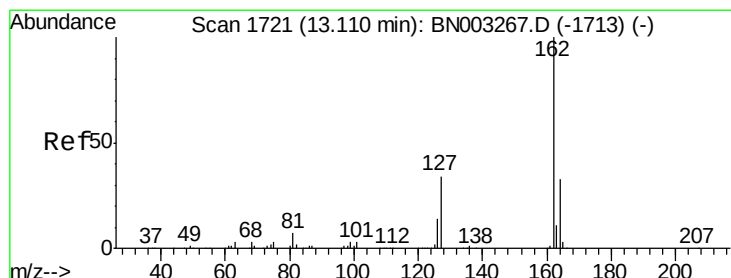
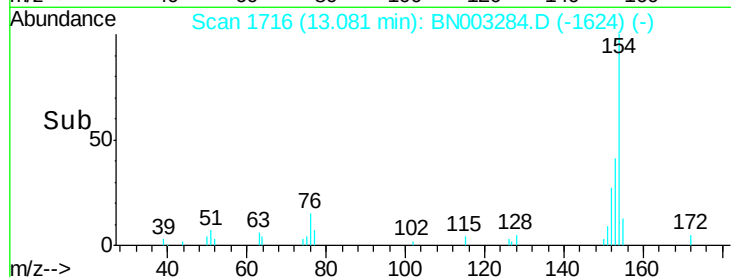
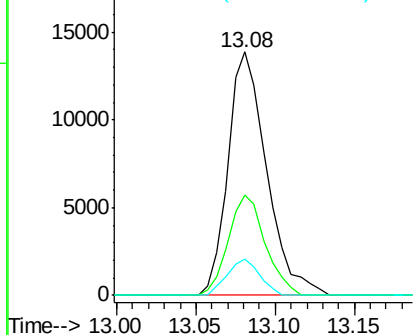
#46
 1,1'-Biphenyl
 Concen: 1.027 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

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

Tgt Ion:154 Resp: 23378
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.5 60.5
 76 14.8 0.0 33.3

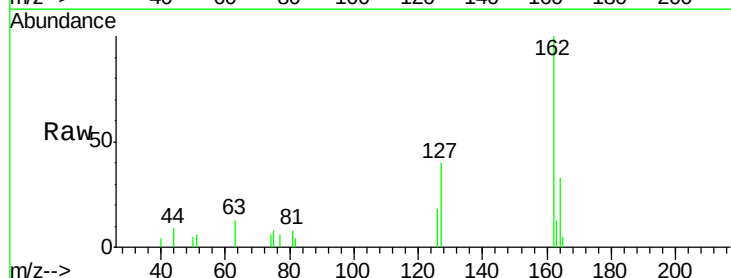


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

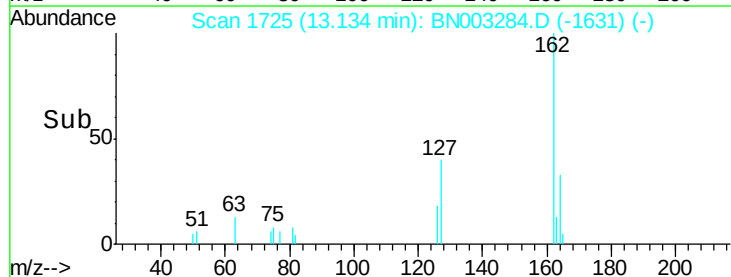
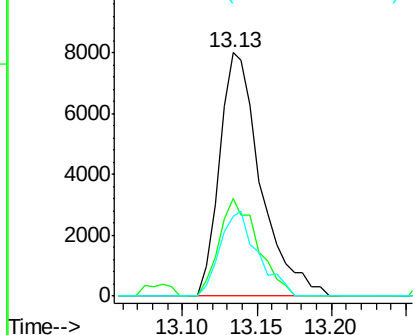


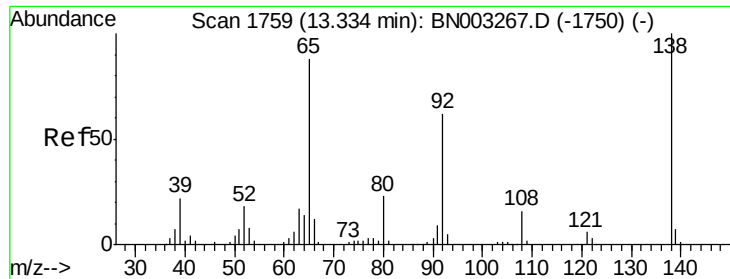
#47
 2-Chloronaphthalene
 Concen: 0.917 ng
 RT: 13.13 min Scan# 1725
 Delta R.T. 0.02 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion:162 Resp: 15392
 Ion Ratio Lower Upper
 162 100
 127 40.3 29.8 44.6
 164 32.8 26.3 39.5



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

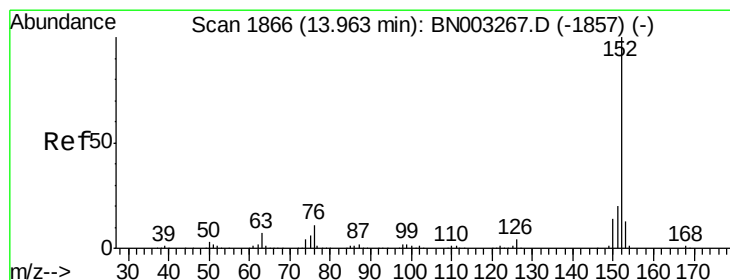
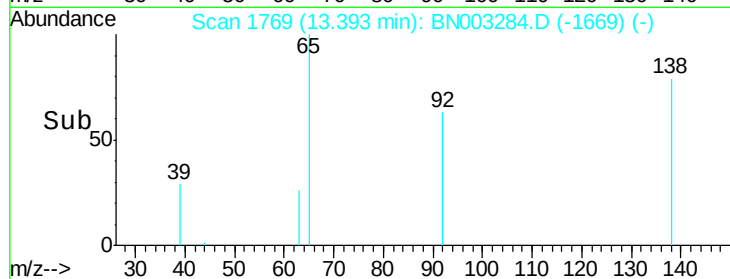
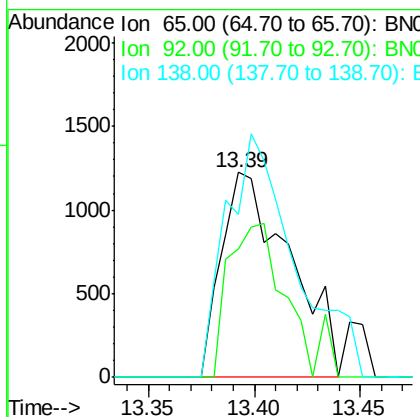
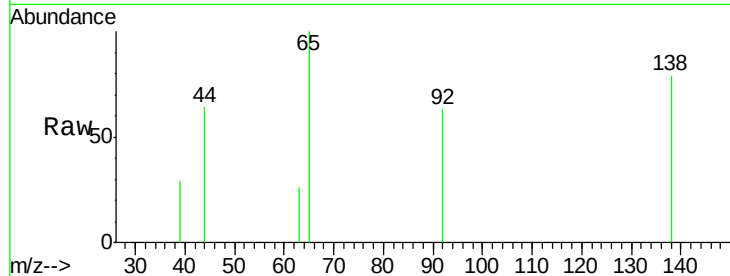




#48
 2-Nitroaniline
 Concen: 0.555 ng
 RT: 13.39 min Scan# 1769
 Delta R.T. 0.06 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

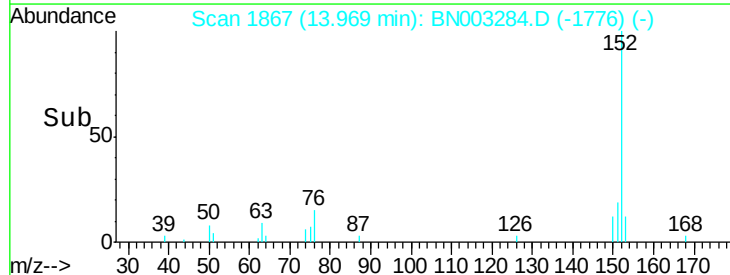
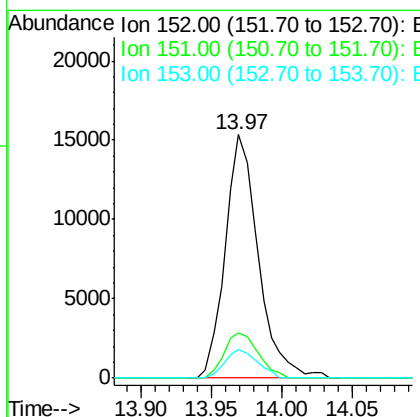
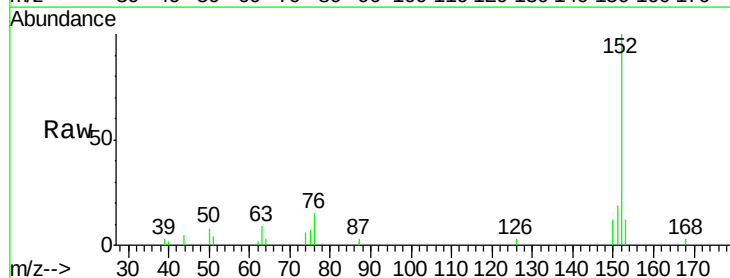
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

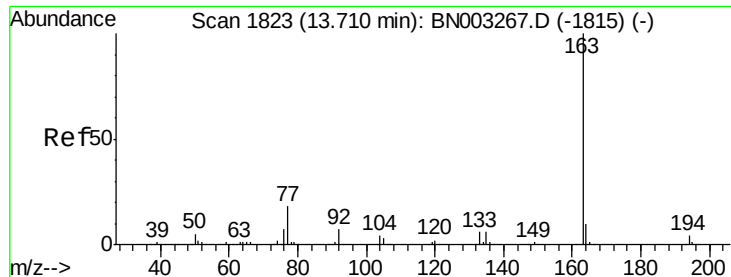
Tgt Ion: 65 Resp: 2738
 Ion Ratio Lower Upper
 65 100
 92 63.0 56.1 84.1
 138 79.5 90.6 136.0#



#49
 Acenaphthylene
 Concen: 0.980 ng
 RT: 13.97 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion: 152 Resp: 25174
 Ion Ratio Lower Upper
 152 100
 151 18.5 15.8 23.6
 153 11.5 10.3 15.5





#50

Dimethylphthalate

Concen: 0.978 ng

RT: 13.73 min Scan# 1826

Delta R.T. 0.02 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

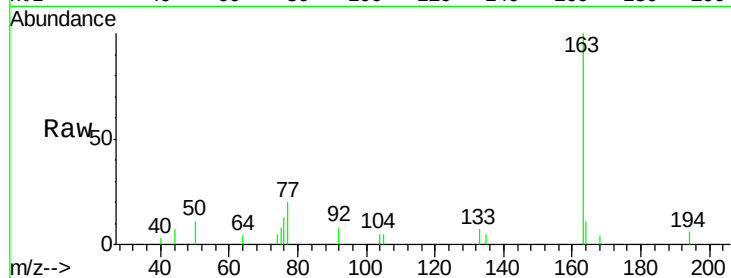
Tgt Ion:163 Resp: 20507

Ion Ratio Lower Upper

163 100

194 5.6 3.4 5.2#

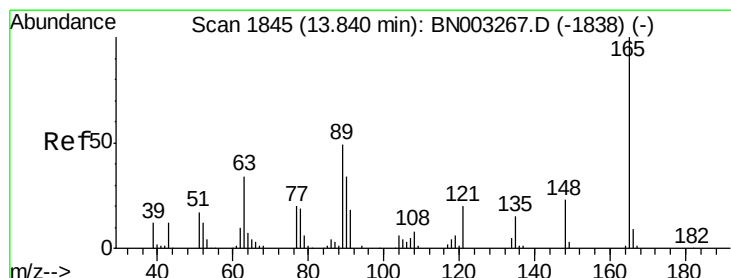
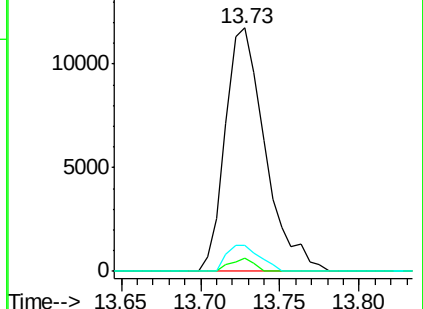
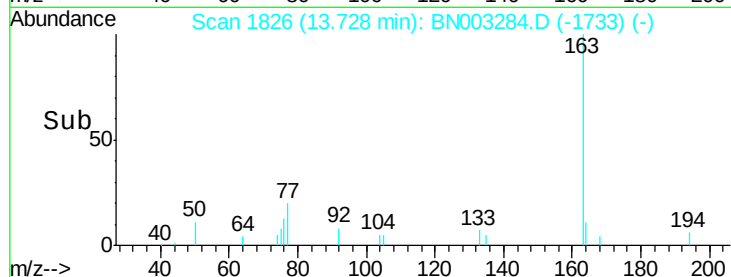
164 10.7 7.9 11.9



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



#51

2,6-Dinitrotoluene

Concen: 0.699 ng

RT: 13.87 min Scan# 1850

Delta R.T. 0.03 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

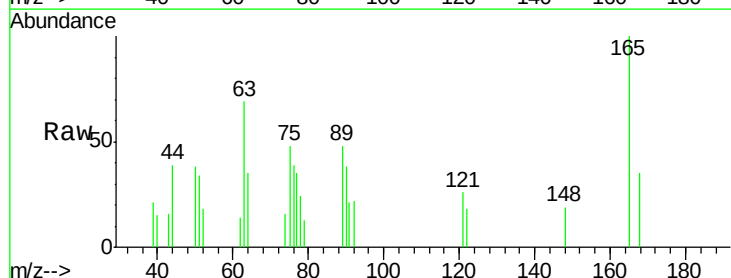
Tgt Ion:165 Resp: 3329

Ion Ratio Lower Upper

165 100

63 69.5 39.2 58.8#

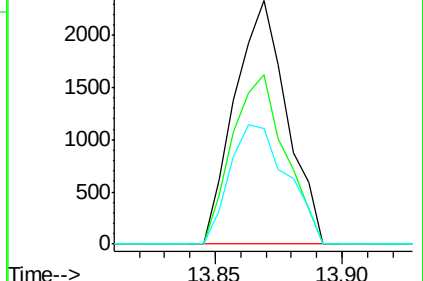
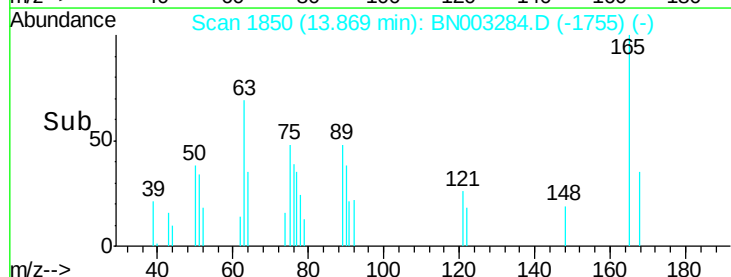
89 47.7 38.9 58.3

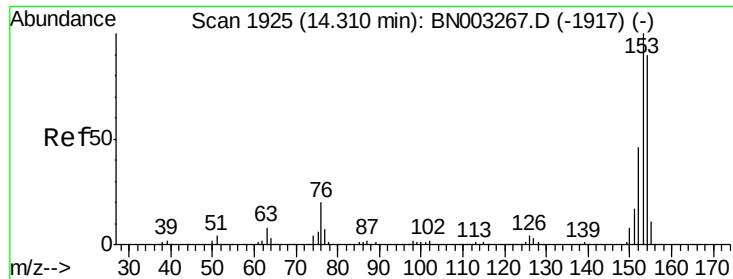


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#52

Acenaphthene

Concen: 1.071 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

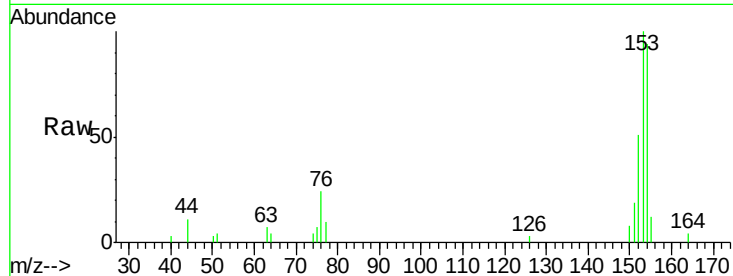
Tgt Ion:154 Resp: 16678

Ion Ratio Lower Upper

154 100

153 106.3 89.3 133.9

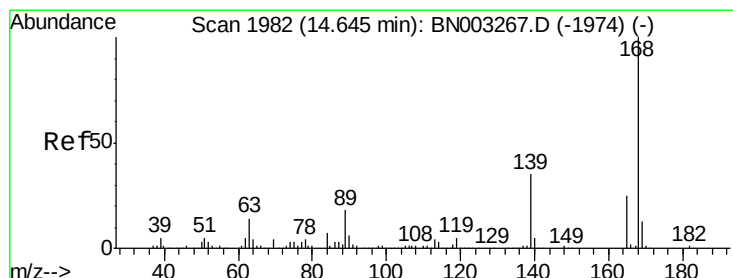
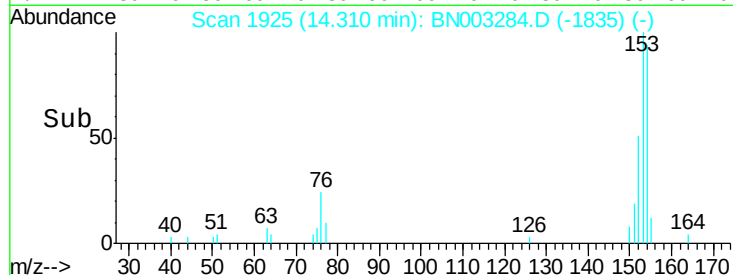
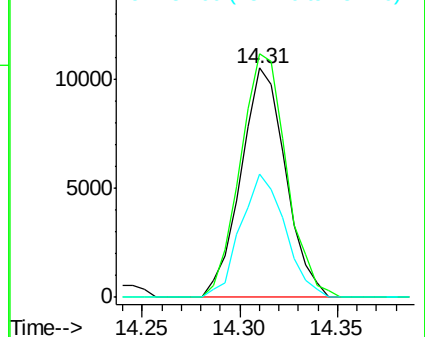
152 53.9 41.2 61.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 1.031 ng

RT: 14.67 min Scan# 1986

Delta R.T. 0.02 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

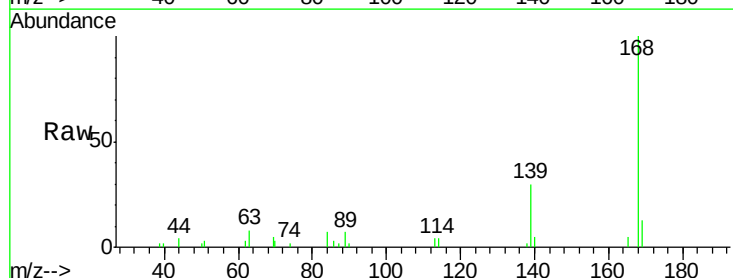
Tgt Ion:168 Resp: 26106

Ion Ratio Lower Upper

168 100

139 30.0 28.5 42.7

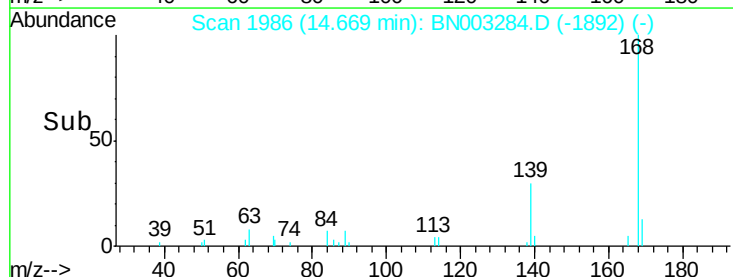
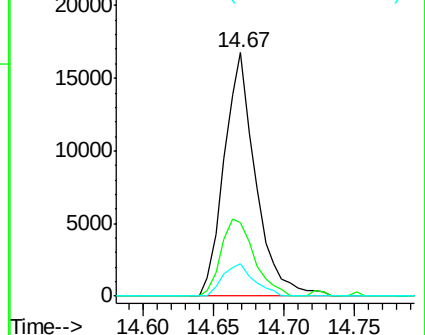
169 13.3 10.3 15.5

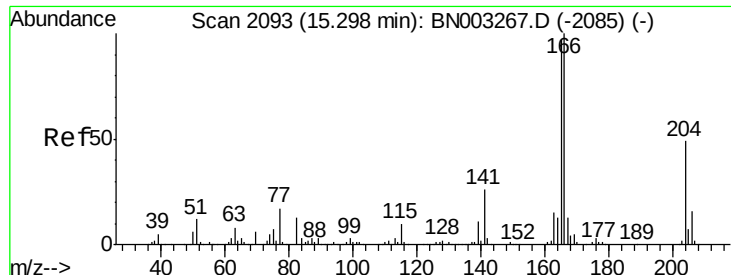


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 1.081 ng

RT: 15.31 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

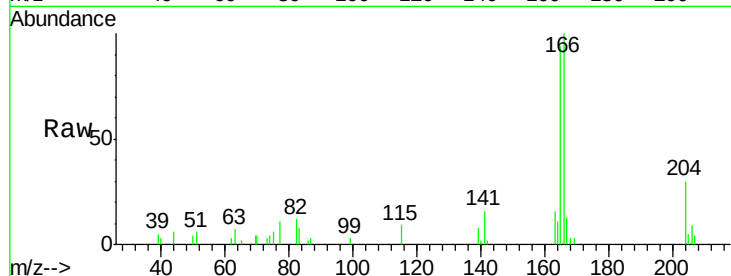
Tgt Ion:166 Resp: 21141

Ion Ratio Lower Upper

166 100

165 94.0 77.6 116.4

167 12.7 10.6 16.0

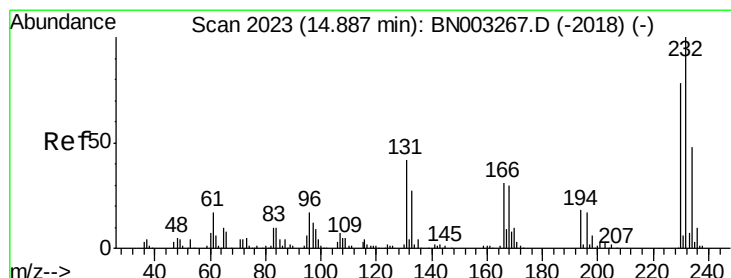
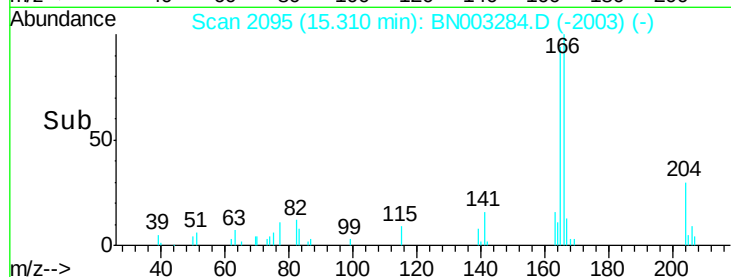
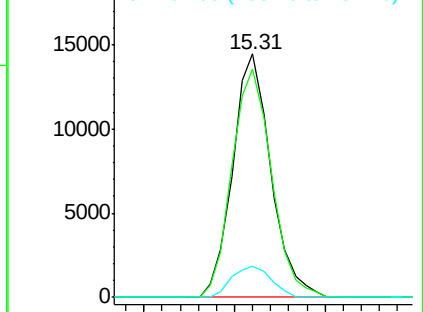


Abundance

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



#59

2,3,4,6-Tetrachlorophenol

Concen: 0.732 ng

RT: 14.91 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Tgt Ion:232 Resp: 3636

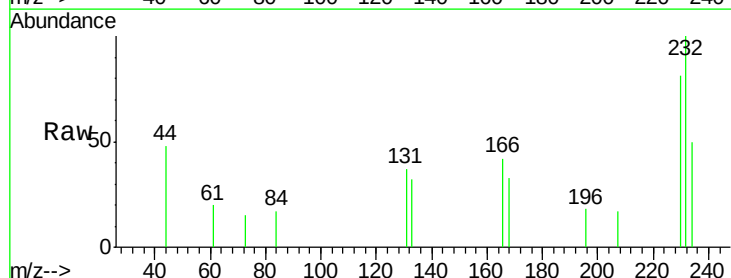
Ion Ratio Lower Upper

232 100

131 36.5 33.7 50.5

130 0.0 1.6 2.4#

166 28.2 24.3 36.5



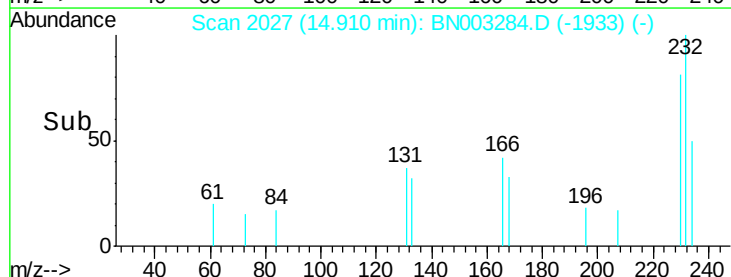
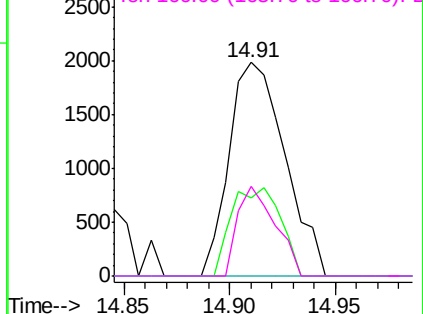
Abundance

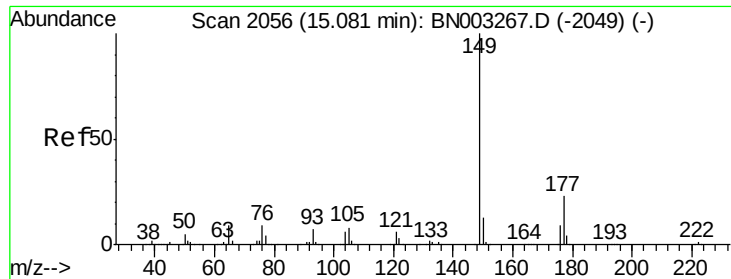
Ion 232.00 (231.70 to 232.70): E

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

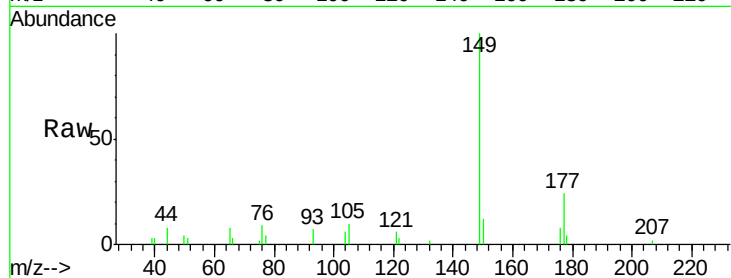




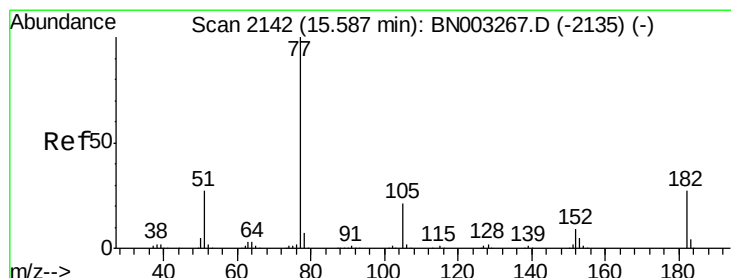
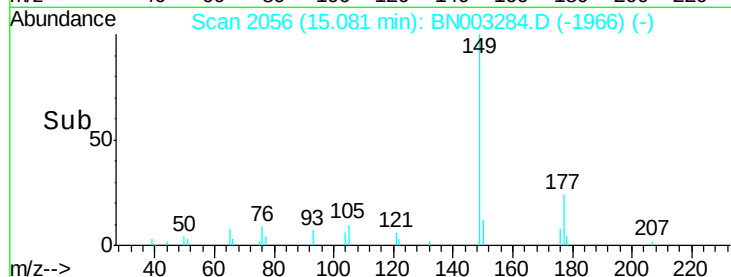
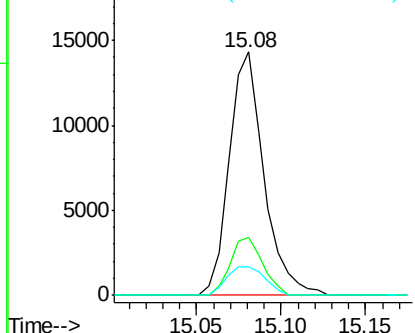
#60
Diethylphthalate
Concen: 0.958 ng
RT: 15.08 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

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

Tgt Ion: 149 Resp: 20384
Ion Ratio Lower Upper
149 100
177 23.9 18.6 28.0
150 11.7 10.0 15.0

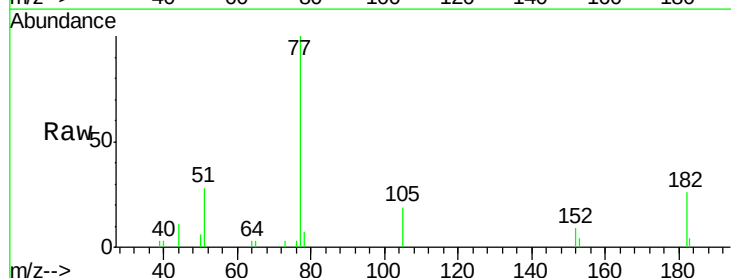


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

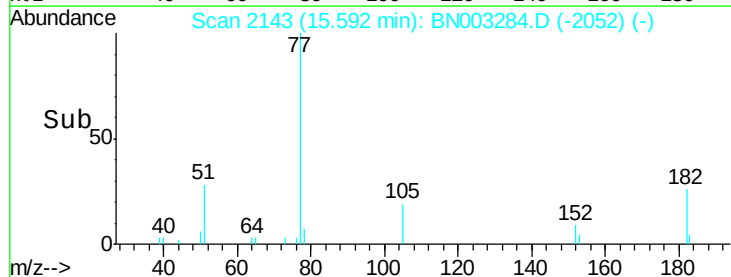
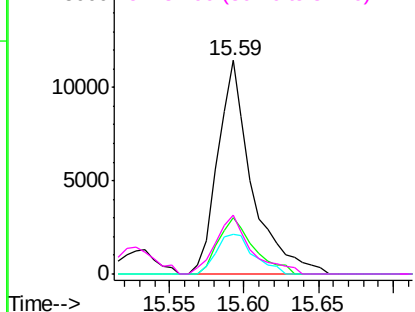


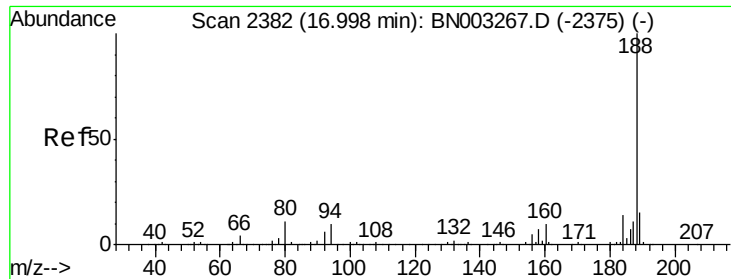
#63
Azobenzene
Concen: 0.930 ng
RT: 15.59 min Scan# 2143
Delta R.T. 0.01 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

Tgt Ion: 77 Resp: 18286
Ion Ratio Lower Upper
77 100
182 26.1 6.5 46.5
105 18.9 1.0 41.0
51 27.6 7.0 47.0



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BNC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

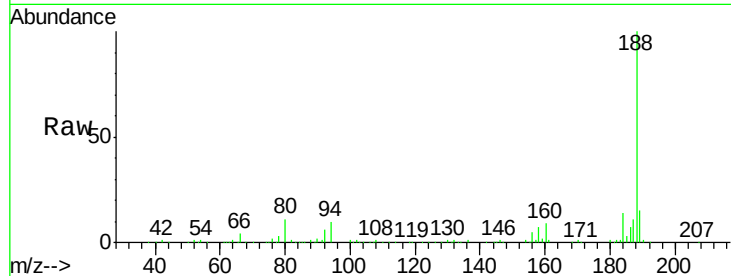
Tgt Ion:188 Resp: 617581

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

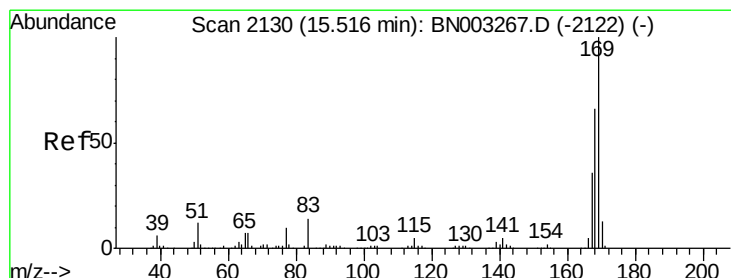
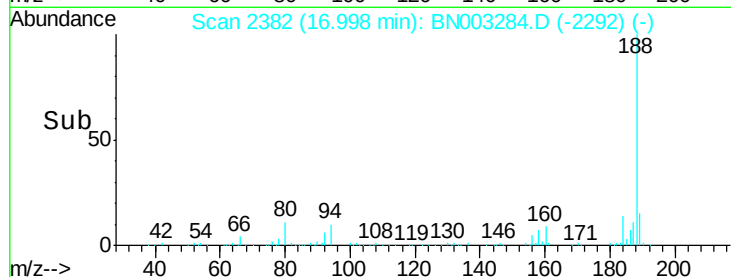
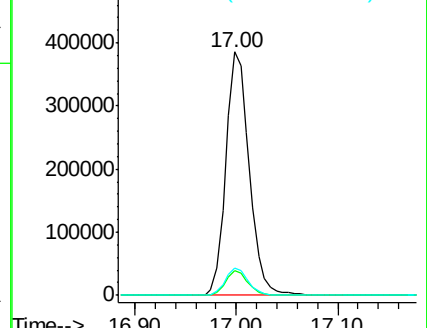
80 11.3 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#66

n-Nitrosodiphenylamine

Concen: 0.880 ng

RT: 15.53 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

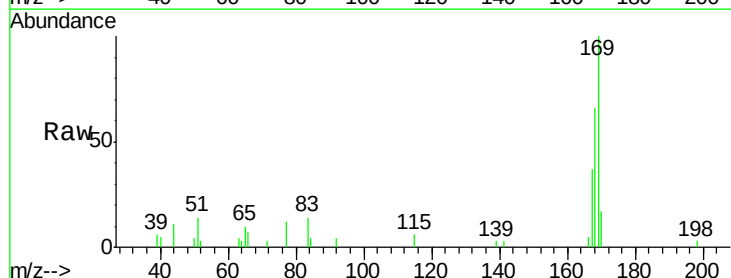
Tgt Ion:169 Resp: 17007

Ion Ratio Lower Upper

169 100

168 65.8 53.3 79.9

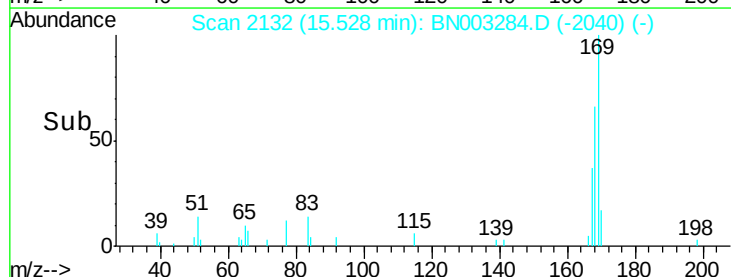
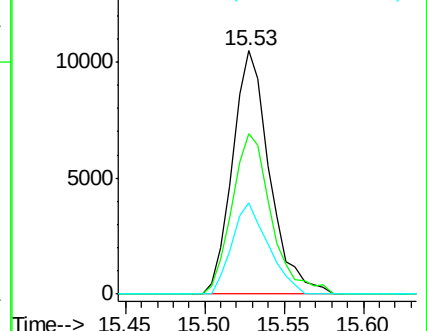
167 37.5 28.6 43.0

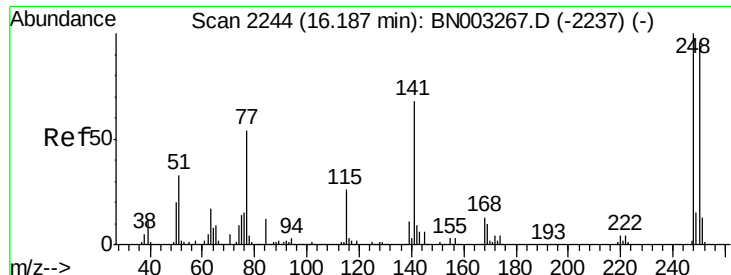


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

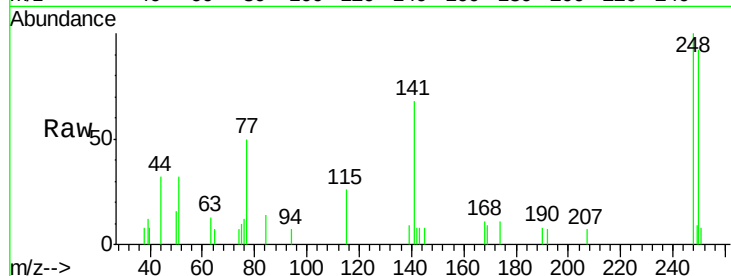




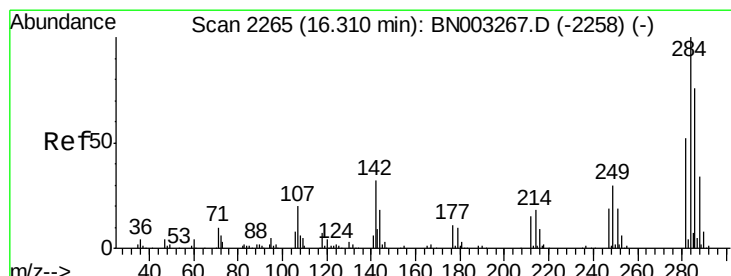
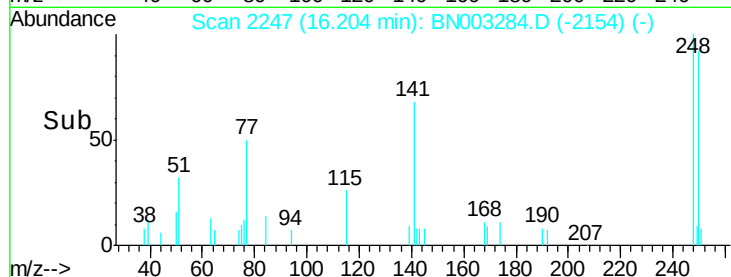
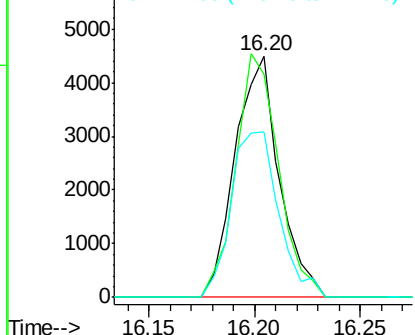
#67
 4-Bromophenyl-phenylether
 Concen: 0.937 ng
 RT: 16.20 min Scan# 2247
 Delta R.T. 0.02 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

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

Tgt Ion: 248 Resp: 6514
 Ion Ratio Lower Upper
 248 100
 250 92.2 76.4 114.6
 141 68.3 54.2 81.4

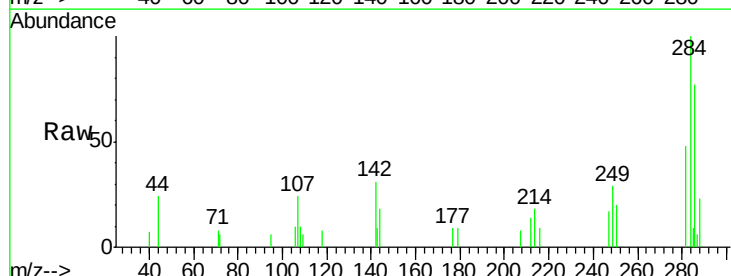


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

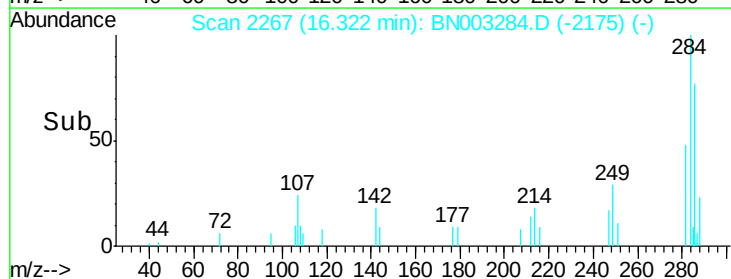
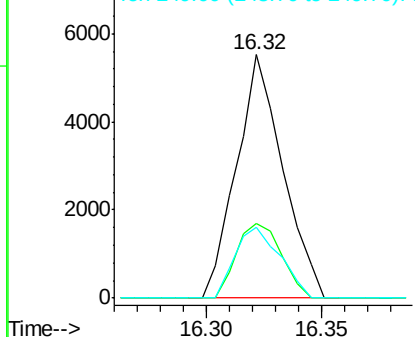


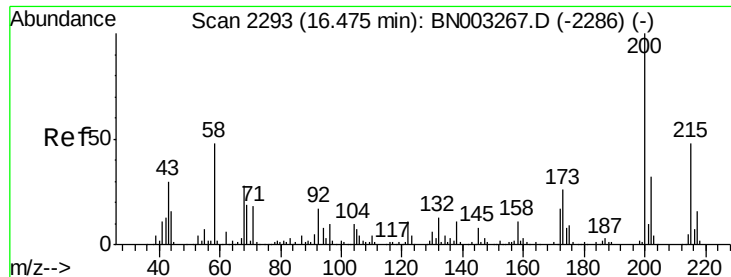
#68
 Hexachlorobenzene
 Concen: 0.972 ng
 RT: 16.32 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion: 284 Resp: 7698
 Ion Ratio Lower Upper
 284 100
 142 30.8 25.6 38.4
 249 29.0 23.6 35.4



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





#69

Atrazine

Concen: 0.803 ng

RT: 16.49 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

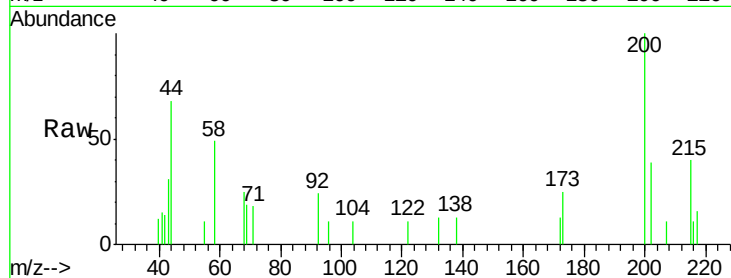
Tgt Ion:200 Resp: 5501

Ion Ratio Lower Upper

200 100

173 25.3 6.3 46.3

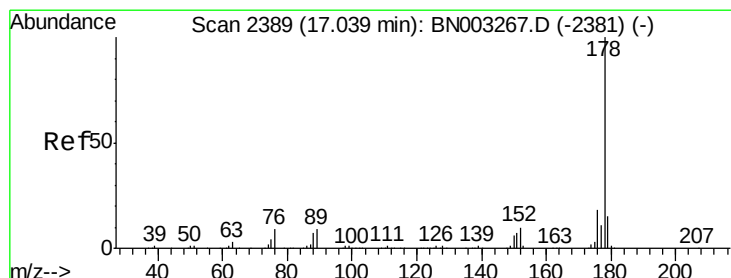
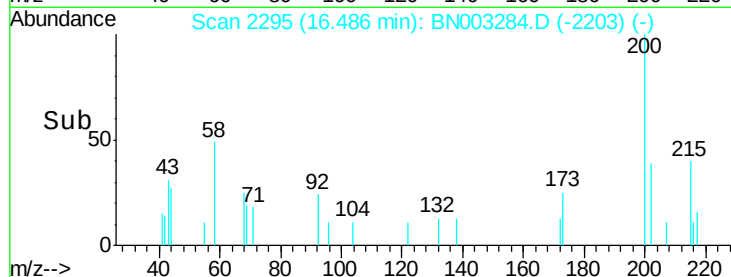
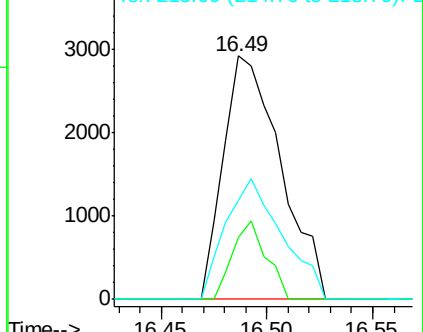
215 40.4 27.6 67.6



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



#71

Phenanthrene

Concen: 1.086 ng

RT: 17.05 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

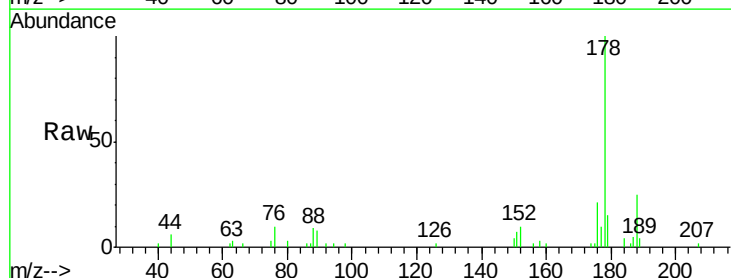
Tgt Ion:178 Resp: 35252

Ion Ratio Lower Upper

178 100

176 20.9 14.4 21.6

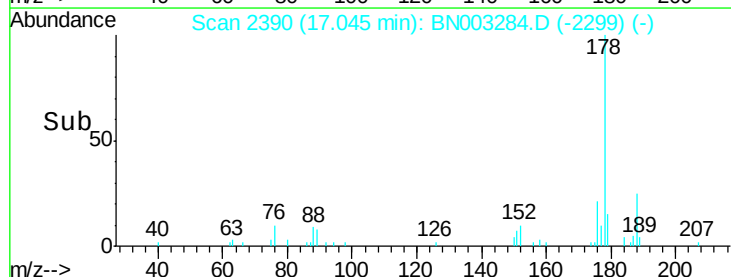
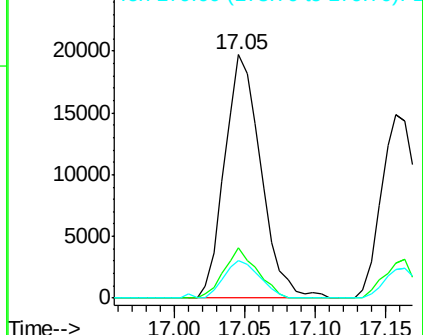
179 15.3 12.2 18.4

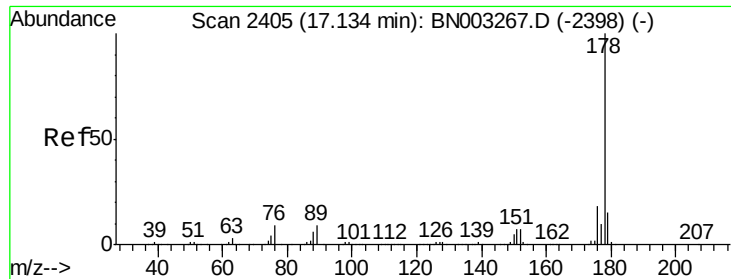


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

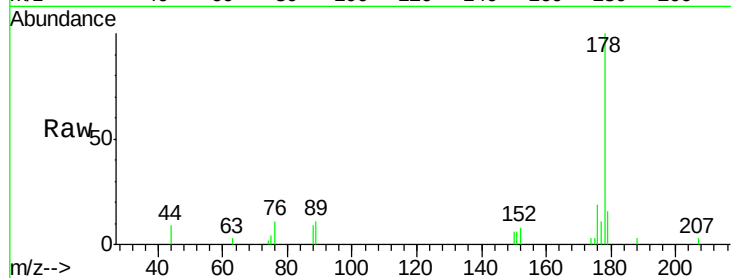




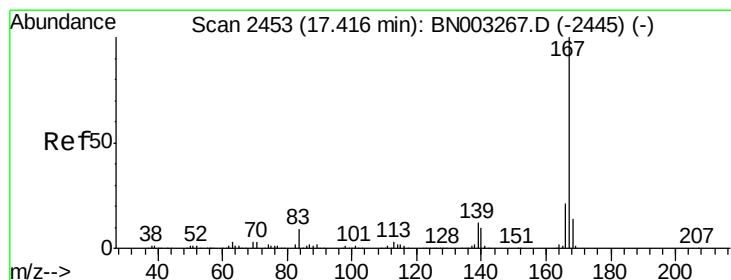
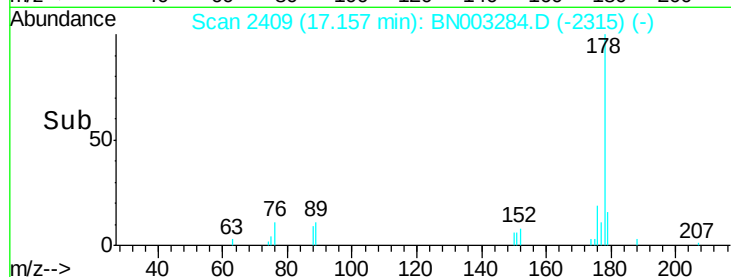
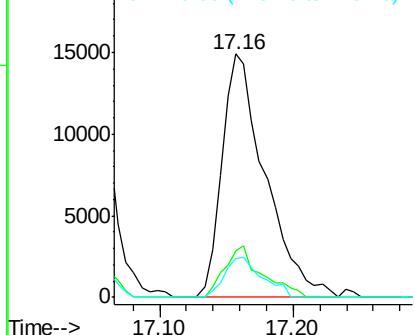
#72
 Anthracene
 Concen: 1.041 ng
 RT: 17.16 min Scan# 2409
 Delta R.T. 0.02 min
 Lab File: BN003284.D
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Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:178 Resp: 33720
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.3 21.5
 179 15.8 12.1 18.1

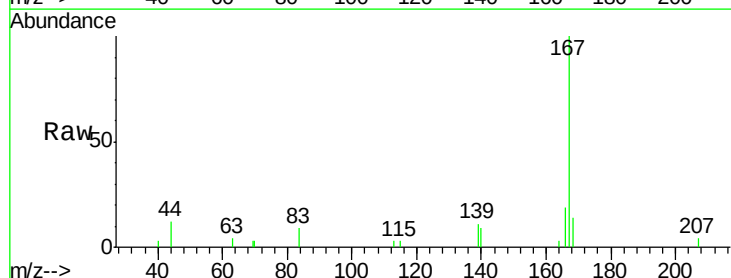


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

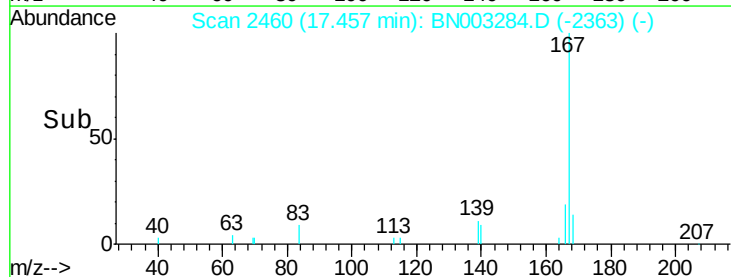
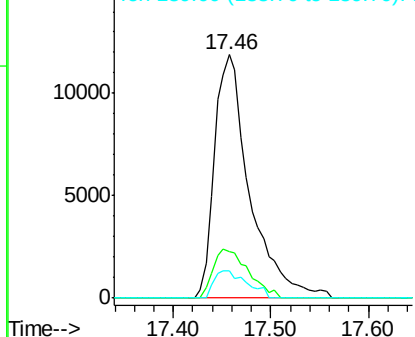


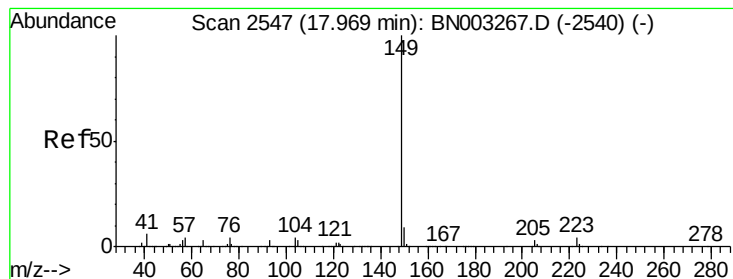
#73
 Carbazole
 Concen: 0.890 ng
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.04 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion:167 Resp: 29871
 Ion Ratio Lower Upper
 167 100
 166 18.9 17.0 25.6
 139 11.1 9.9 14.9



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





#74

Di-n-butylphthalate

Concen: 0.806 ng

RT: 17.97 min Scan# 2548

Delta R.T. 0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

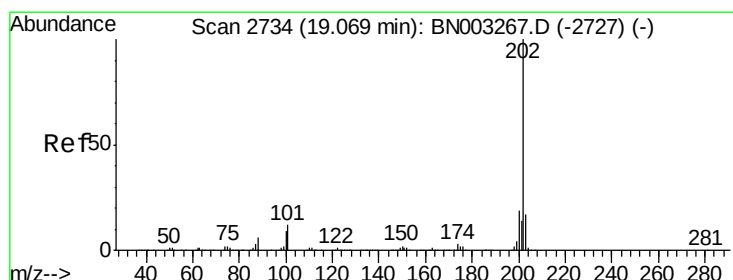
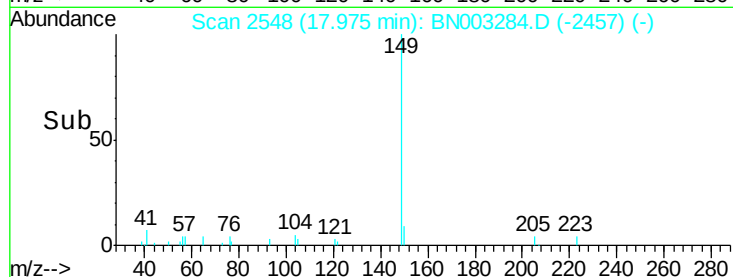
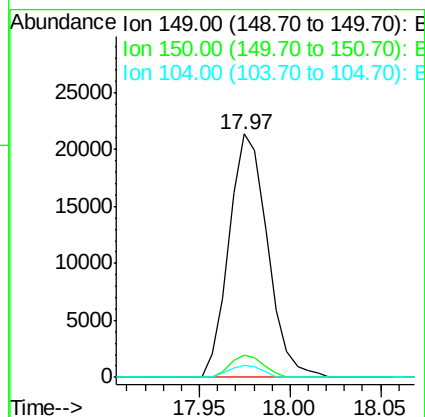
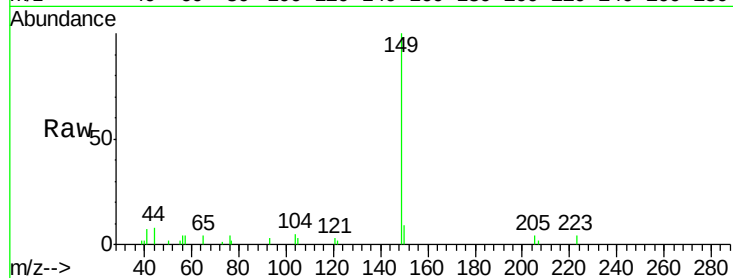
Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	149	Resp:	31532
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.2	10.8
104	4.8	3.6	5.4



#75

Fluoranthene

Concen: 1.033 ng

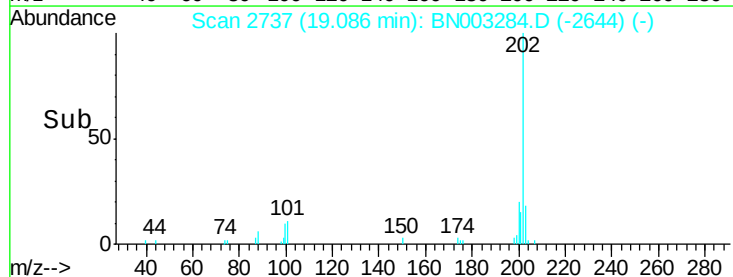
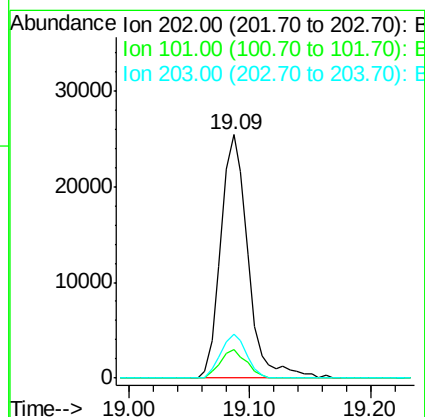
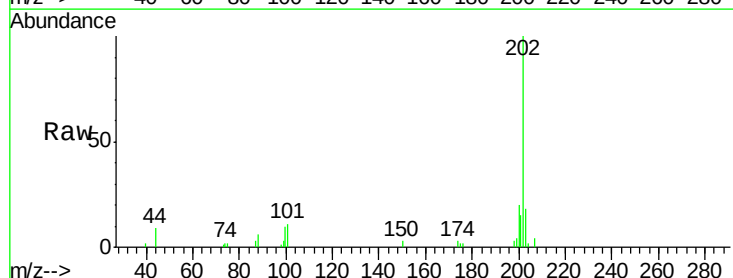
RT: 19.09 min Scan# 2737

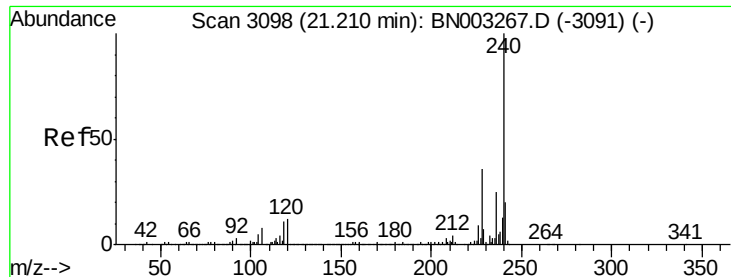
Delta R.T. 0.02 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Tgt Ion:	202	Resp:	39511
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	32.3
203	18.3	0.0	37.4

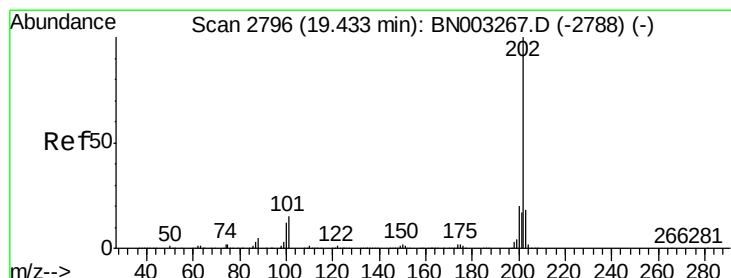
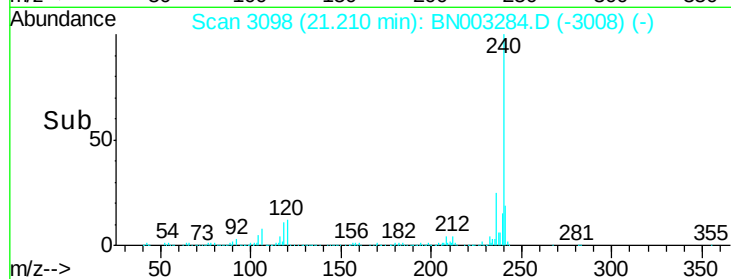
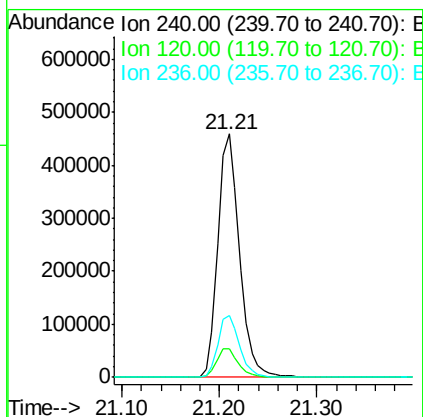
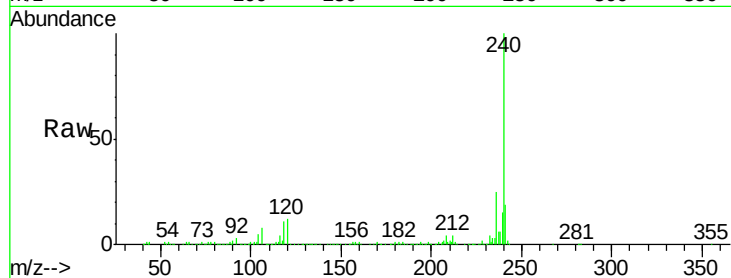




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.21 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

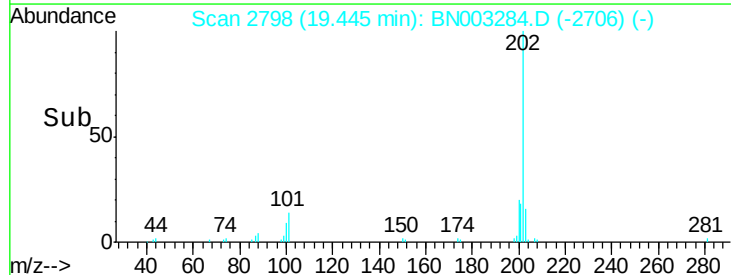
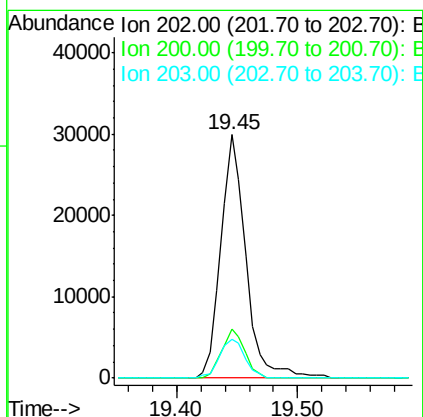
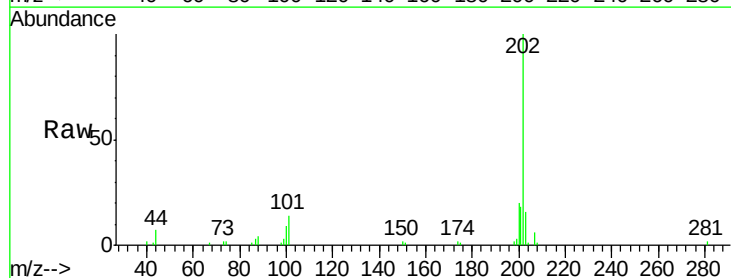
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

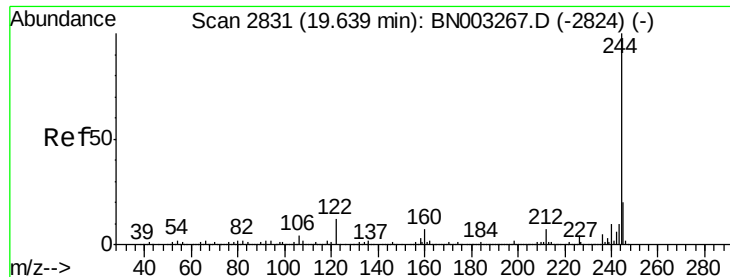
Tgt Ion: 240 Resp: 706210
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.0
236 25.4 20.3 30.5



#78
Pyrene
Concen: 1.036 ng
RT: 19.45 min Scan# 2798
Delta R.T. 0.01 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

Tgt Ion: 202 Resp: 42992
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.4
203 16.1 14.3 21.5





#79

Terphenyl-d14

Concen: 78.952 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

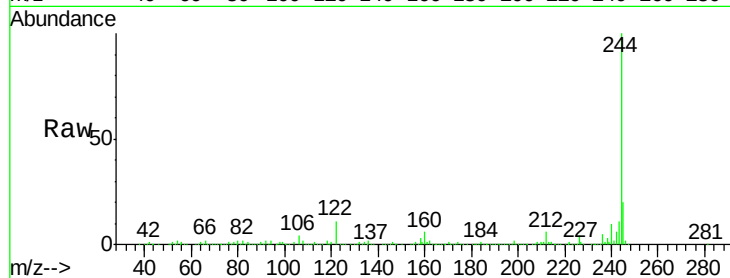
Tgt Ion:244 Resp: 2607226

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

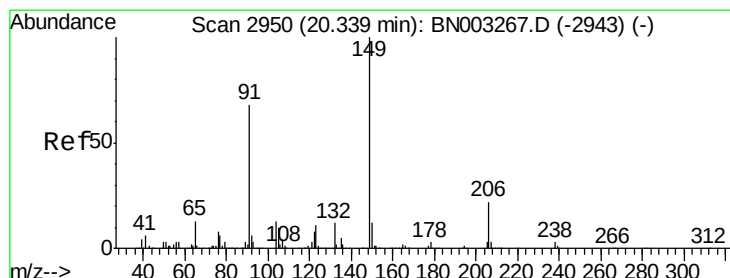
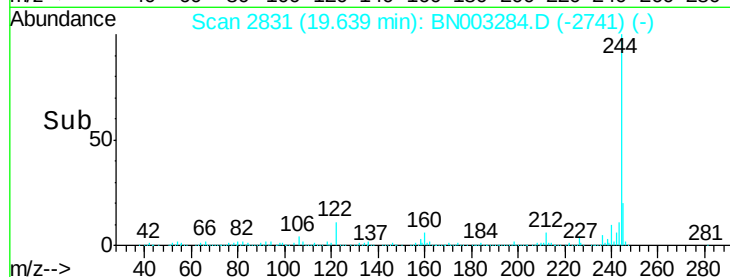
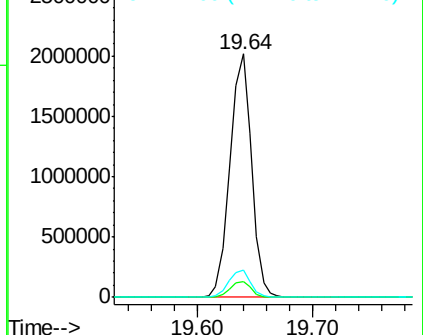
122 11.0 9.4 14.2



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



#80

Butylbenzylphthalate

Concen: 0.787 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

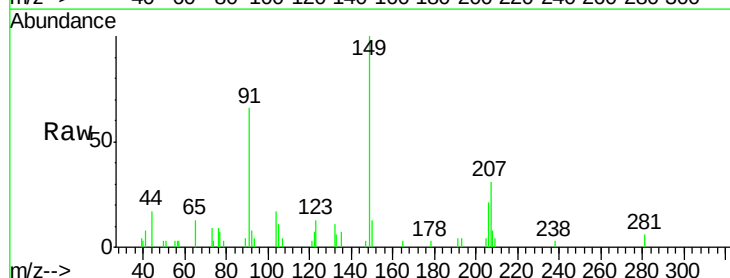
Tgt Ion:149 Resp: 15170

Ion Ratio Lower Upper

149 100

91 65.8 54.6 81.8

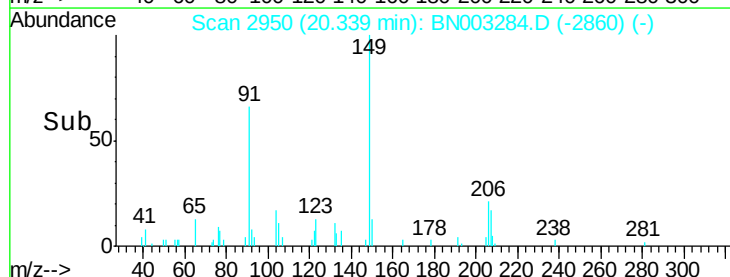
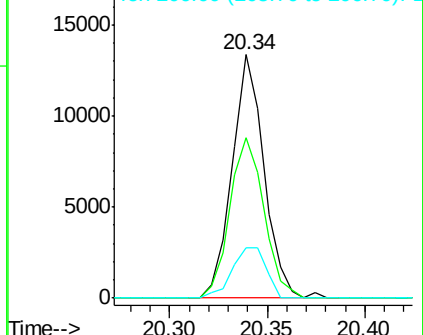
206 20.8 17.8 26.6

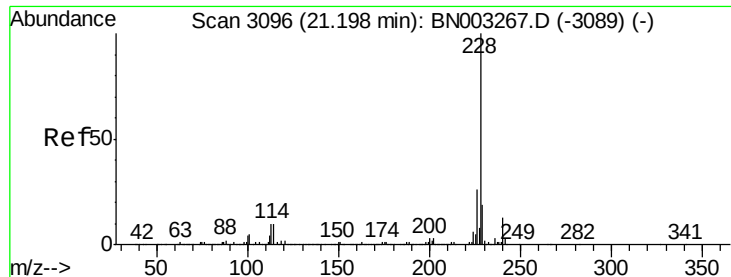


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1.099 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

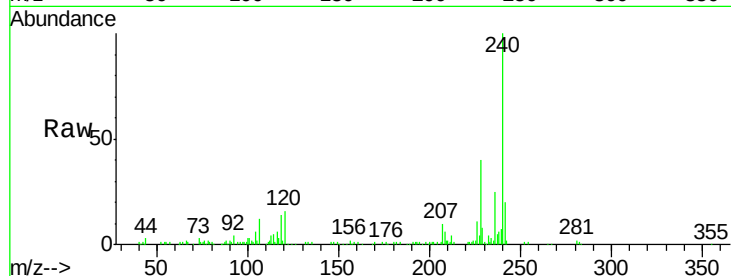
Instrument :

BNA_N

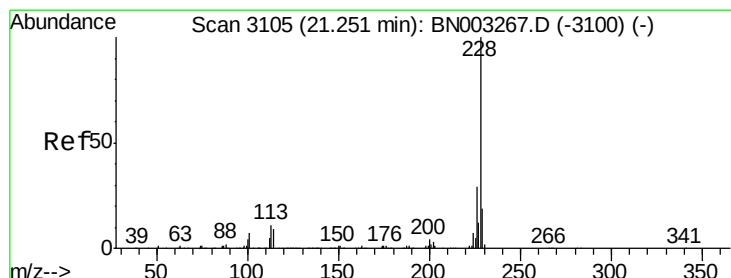
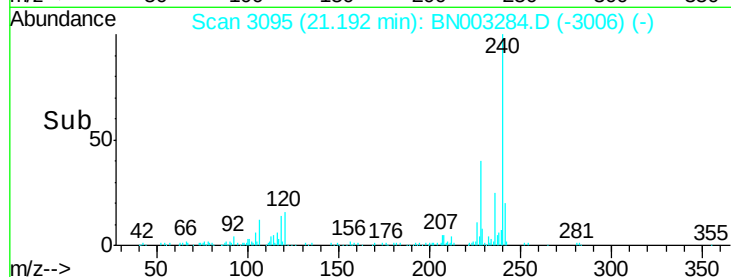
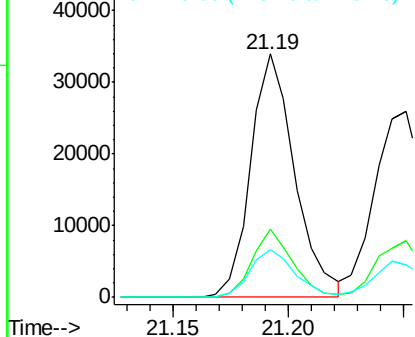
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	228	Resp:	45188
Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.8	31.2
229	19.6	15.3	22.9



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

Chrysene

Concen: 1.118 ng

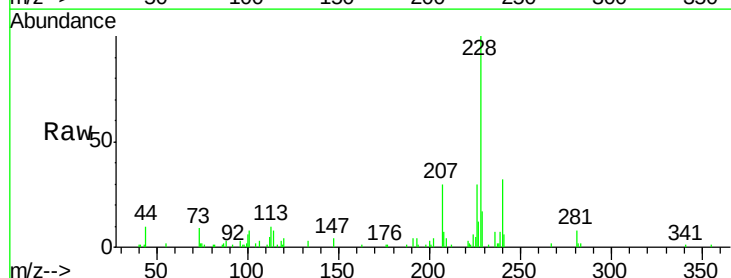
RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

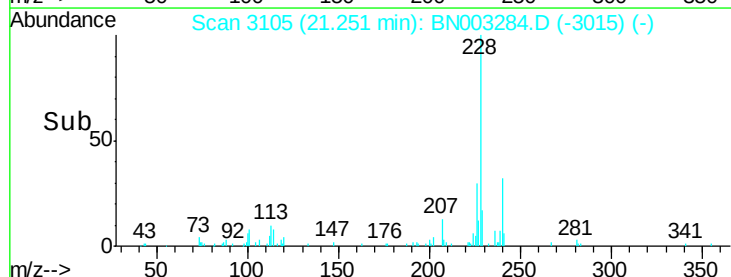
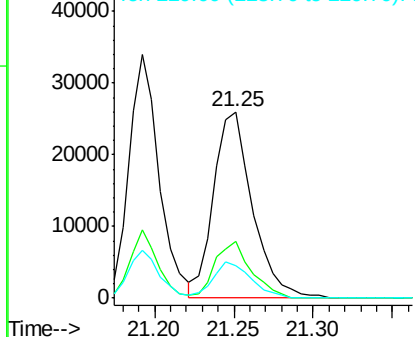
Lab File: BN003284.D

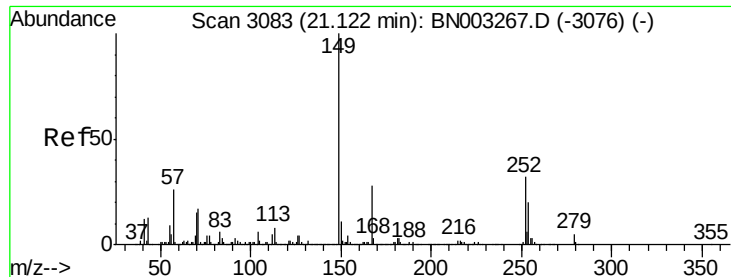
Acq: 24 Oct 2018 22:38

Tgt Ion:	228	Resp:	44215
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.3	34.9
229	17.4	15.3	22.9



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

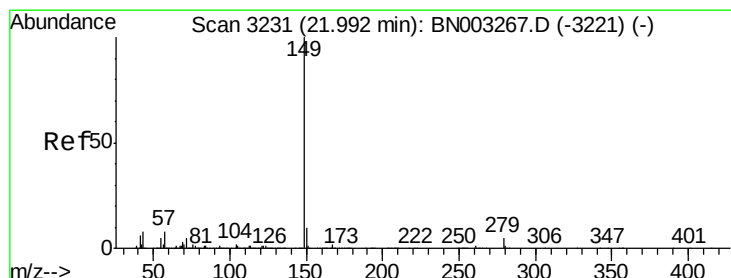
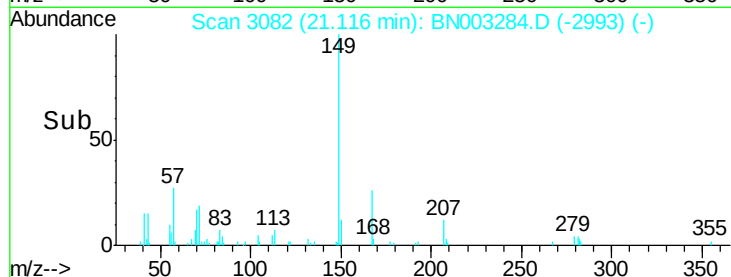
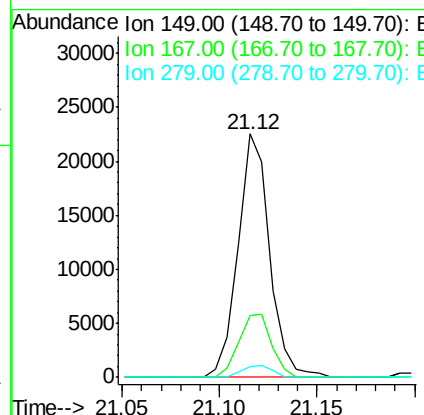
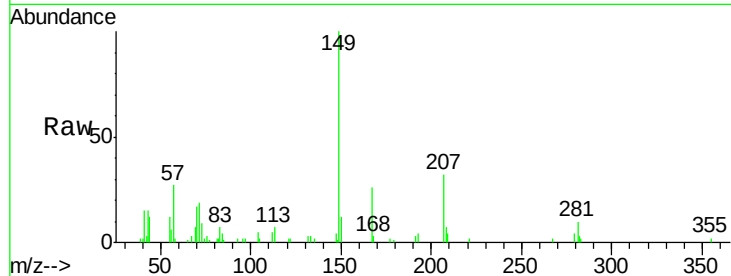




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.885 ng
 RT: 21.12 min Scan# 3082
 Delta R.T. -0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

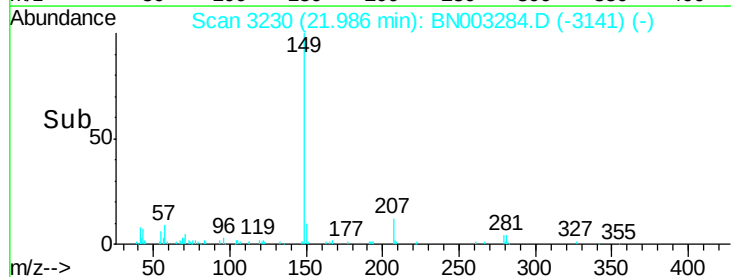
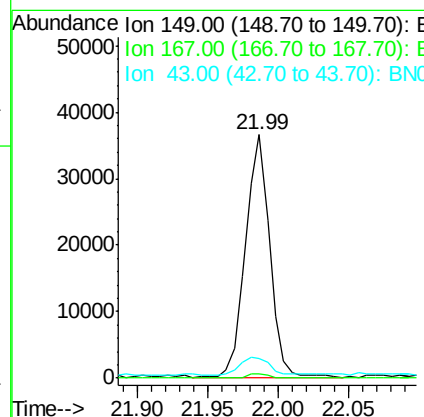
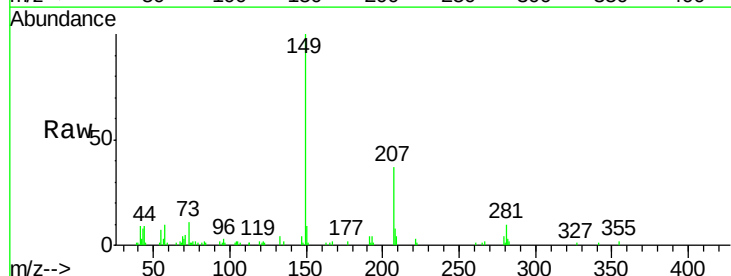
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

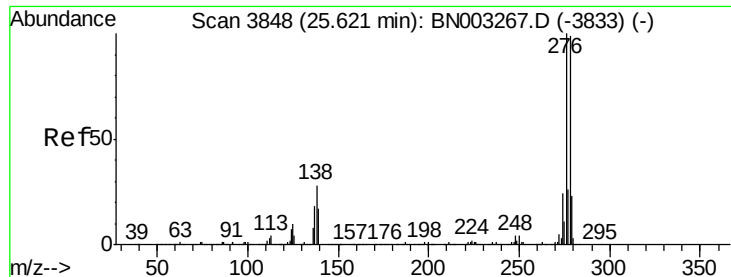
Tgt Ion:149 Resp: 25293
 Ion Ratio Lower Upper
 149 100
 167 25.6 22.6 33.8
 279 4.5 3.8 5.8



#85
 Di-n-octyl phthalate
 Concen: 0.906 ng
 RT: 21.99 min Scan# 3230
 Delta R.T. -0.01 min
 Lab File: BN003284.D
 Acq: 24 Oct 2018 22:38

Tgt Ion:149 Resp: 44430
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.3 1.9
 43 9.1 6.9 10.3





#86

Indeno(1,2,3-cd)pyrene

Concen: 1.022 ng

RT: 25.66 min Scan# 3854

Delta R.T. 0.04 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

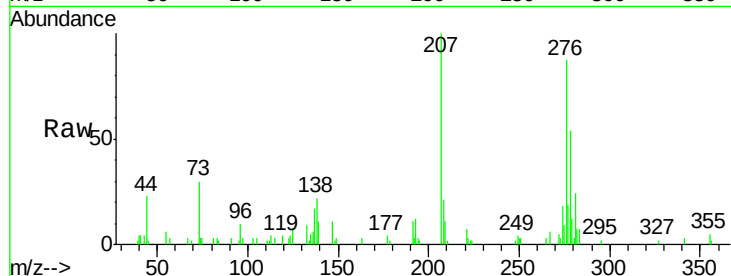
Tgt Ion:276 Resp: 46328

Ion Ratio Lower Upper

276 100

138 27.6 21.2 31.8

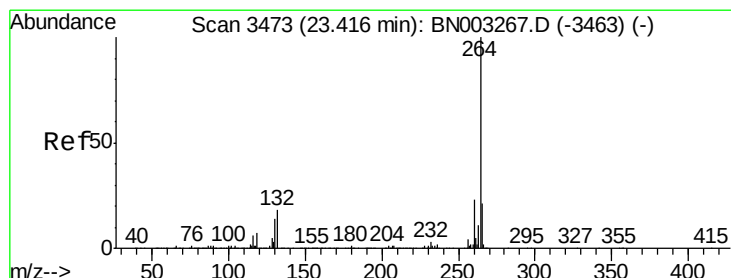
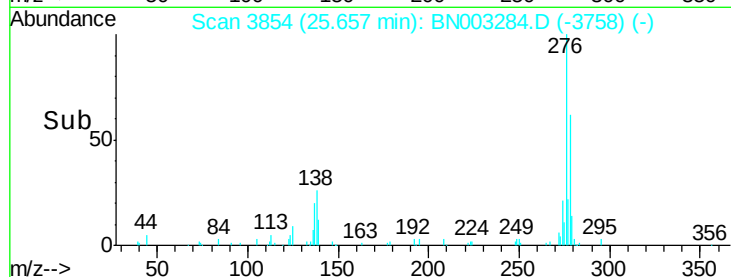
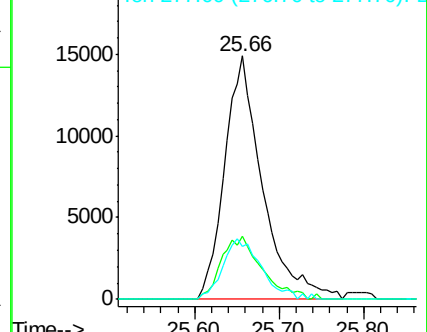
277 25.2 20.2 30.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.41 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

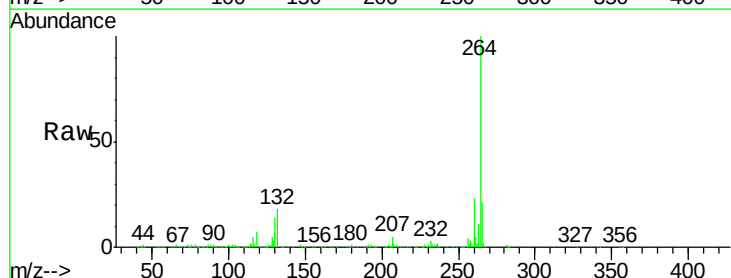
Tgt Ion:264 Resp: 743760

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

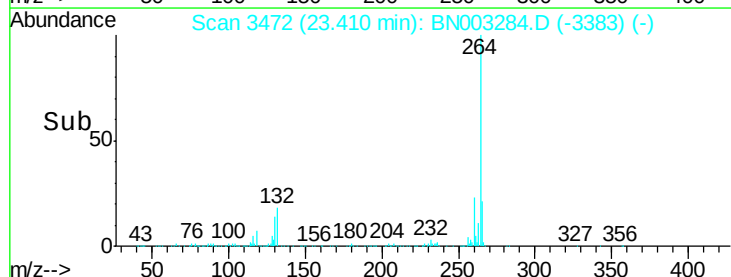
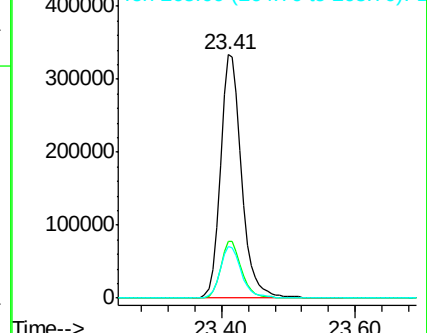
265 21.1 16.6 25.0

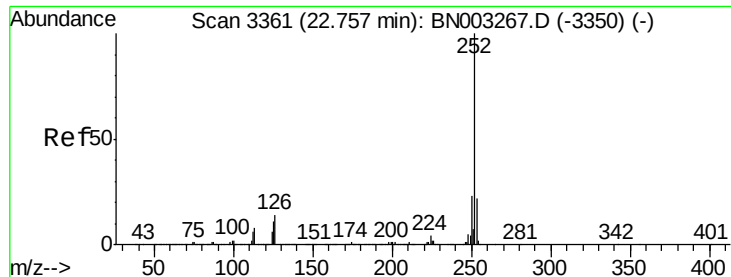


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

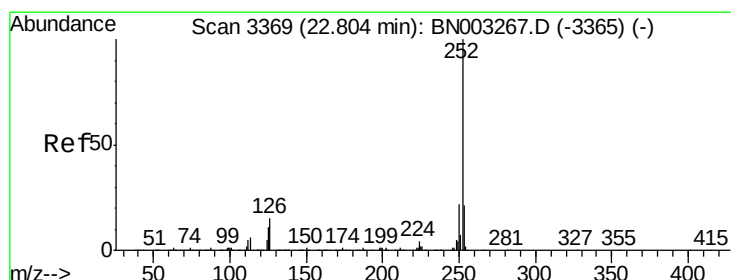
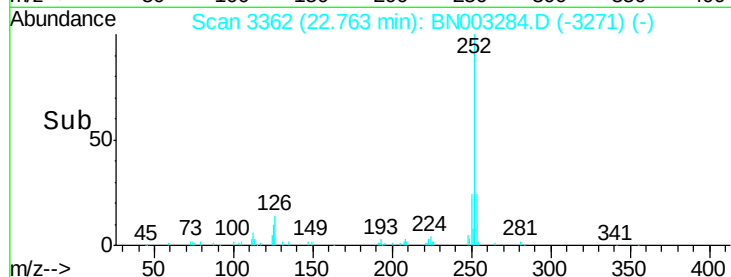
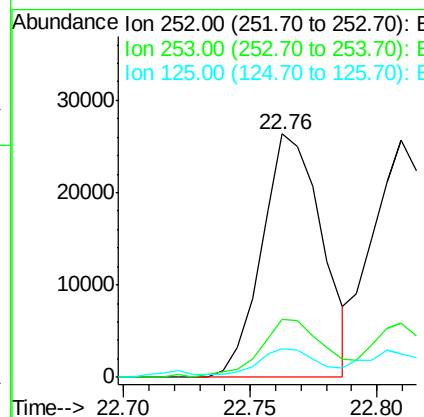
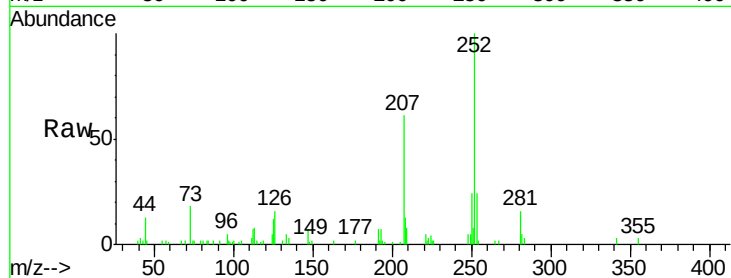




#88
Benzo(b)fluoranthene
Concen: 1.060 ng
RT: 22.76 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

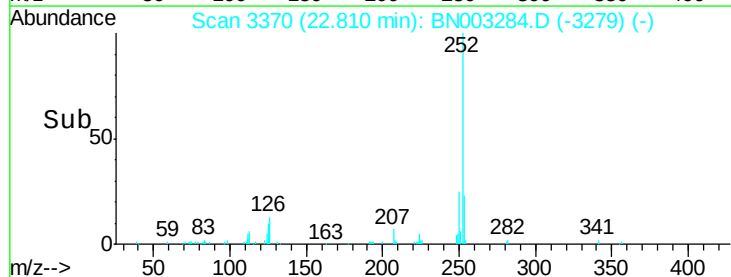
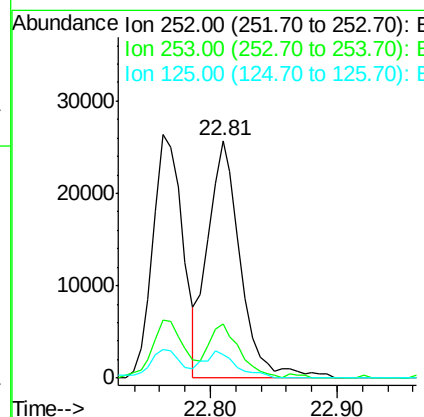
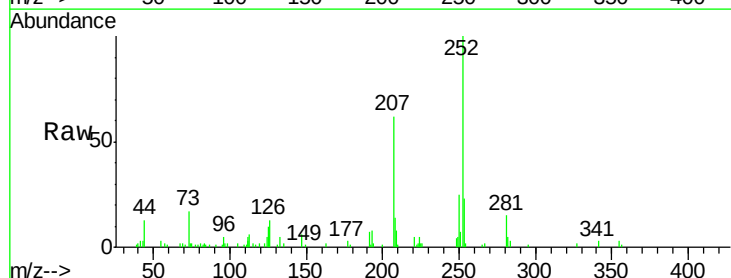
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

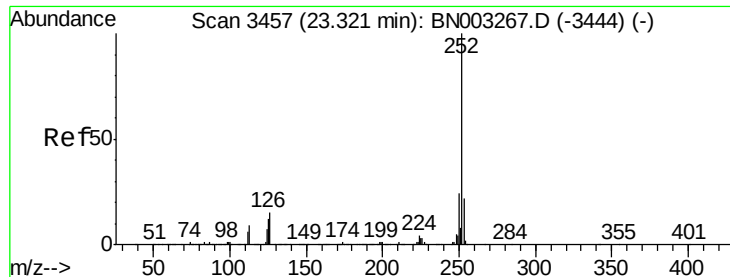
Tgt Ion:252 Resp: 43417
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.8 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 1.149 ng
RT: 22.81 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BN003284.D
Acq: 24 Oct 2018 22:38

Tgt Ion:252 Resp: 46151
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 8.7 13.1





#90

Benzo(a)pyrene

Concen: 1.055 ng

RT: 23.32 min Scan# 3457

Delta R.T. -0.00 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

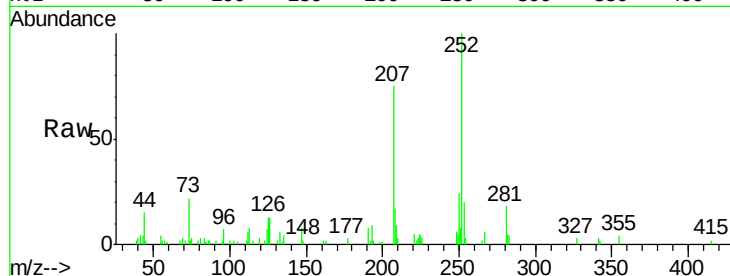
Tgt Ion:252 Resp: 41183

Ion Ratio Lower Upper

252 100

253 20.0 17.8 26.6

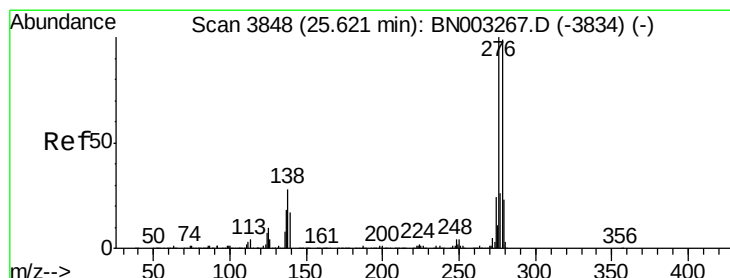
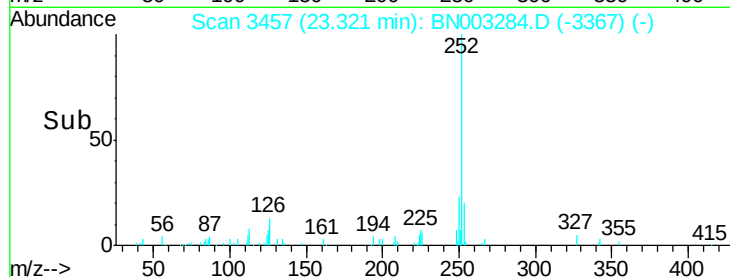
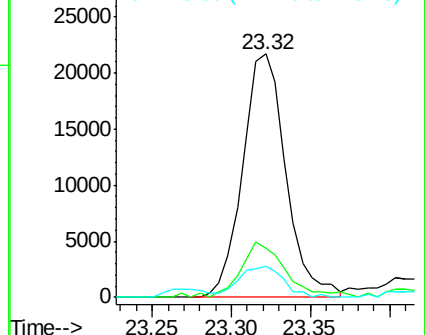
125 12.6 9.6 14.4



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



#91

Dibenzo(a,h)anthracene

Concen: 1.040 ng

RT: 25.65 min Scan# 3853

Delta R.T. 0.03 min

Lab File: BN003284.D

Acq: 24 Oct 2018 22:38

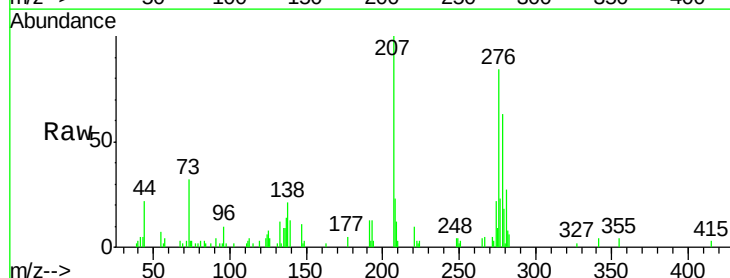
Tgt Ion:278 Resp: 40157

Ion Ratio Lower Upper

278 100

139 20.3 13.9 20.9

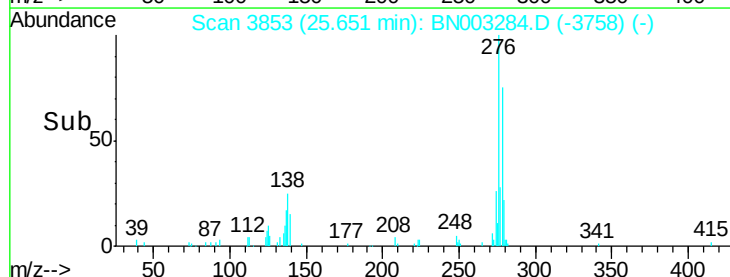
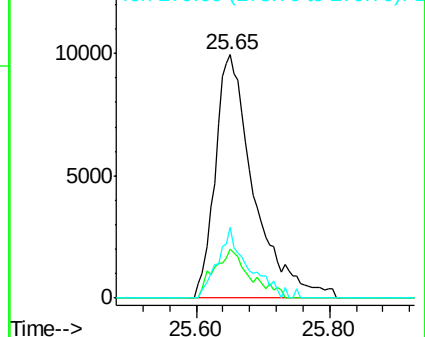
279 29.1 19.0 28.6#

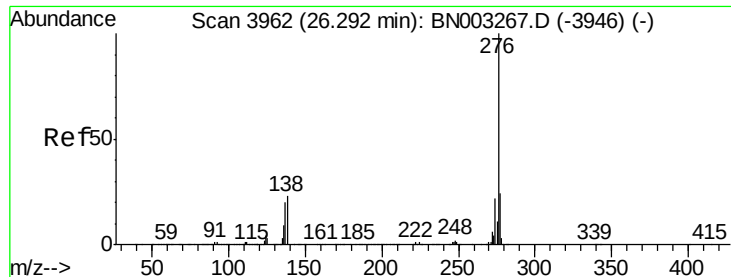


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 1.060 ng

RT: 26.34 min Scan# 3970

Delta R.T. 0.05 min

Lab File: BN003284.D

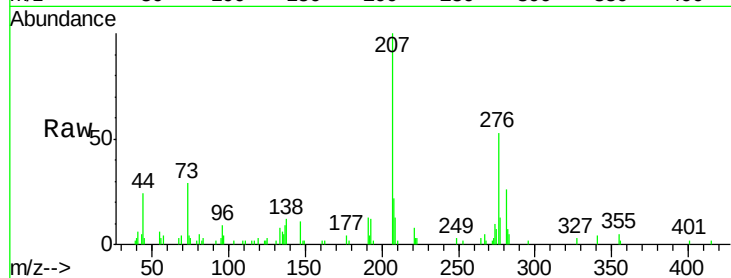
Acq: 24 Oct 2018 22:38

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018



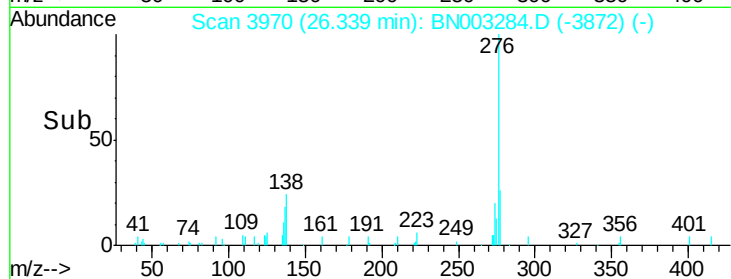
Tgt Ion: 276 Resp: 39309

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 22.4 18.2 27.4



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

