

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111749.D
 Acq On : 27 Dec 2018 8:06
 Operator : JU/SJ
 Sample : J6496-01DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-1DL

Quant Time: Dec 27 11:04:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

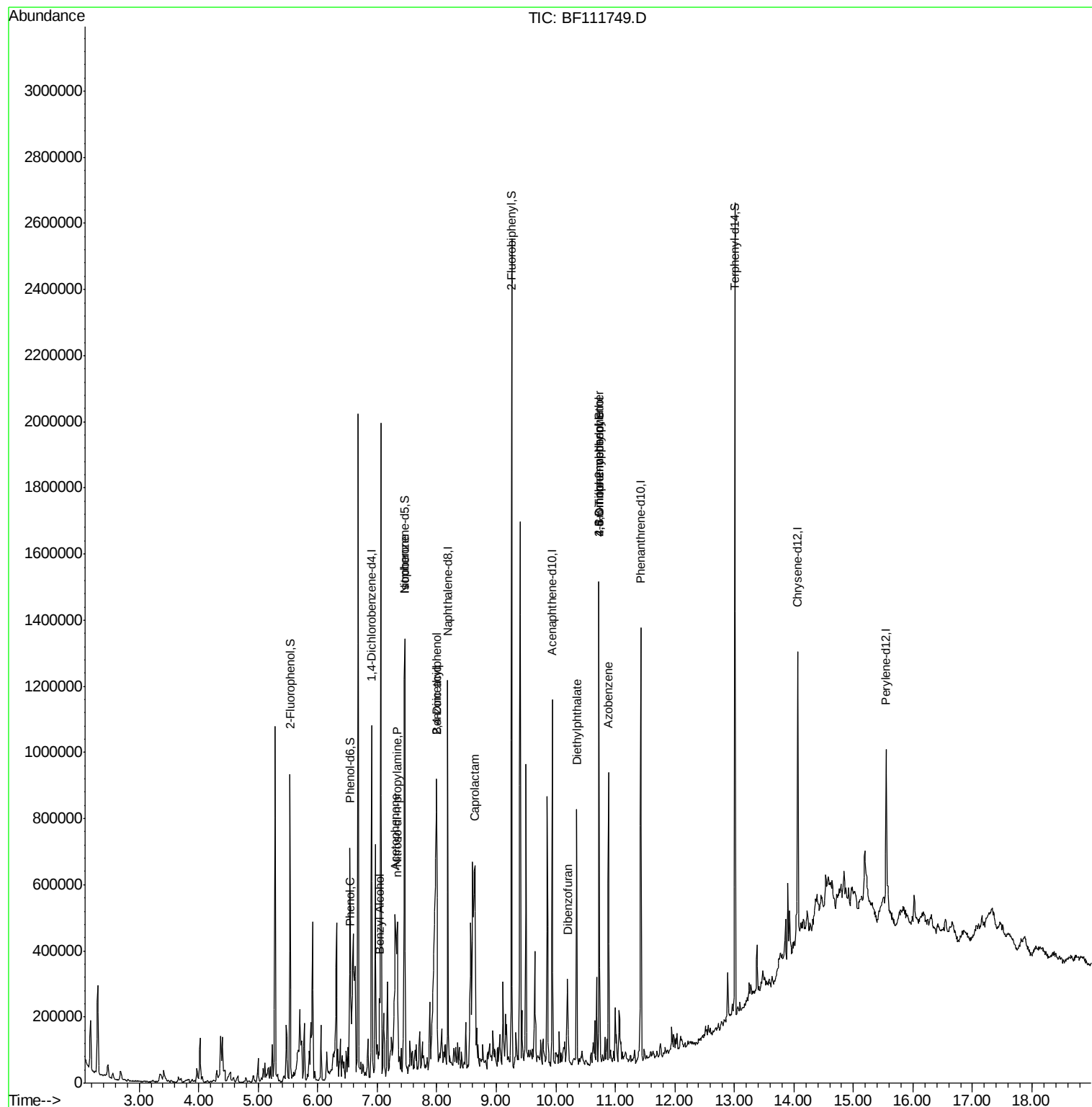
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128719	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	450034	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	210889	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	414687	20.00	ng	0.01
76) Chrysene-d12	14.06	240	302348	20.00	ng	0.01
87) Perylene-d12	15.55	264	237039	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	250075	33.12	ng	0.02
7) Phenol-d6	6.54	99	187642	19.52	ng	0.02
23) Nitrobenzene-d5	7.46	82	380275	49.19	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	170410	68.39	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	717269	49.57	ng	0.00
79) Terphenyl-d14	13.01	244	760578	47.71	ng	0.01
Target Compounds						
10) Phenol	6.56	94	33902	3.126	ng	95
15) Benzyl Alcohol	7.04	79	31364	4.109	ng	# 86
19) n-Nitroso-di-n-propylamine	7.34	70	17988	2.818	ng	# 36
22) Acetophenone	7.30	105	44759	3.926	ng	# 87
25) Isophorone	7.46	82	377752	27.522	ng	# 64
27) 2,4-Dimethylphenol	7.99	122	283748	43.799	ng	# 10
32) Benzoic acid	7.99	122	283748	66.243	ng	87
35) Caprolactam	8.63	113	114334	48.422	ng	93
55) Dibenzofuran	10.20	168	55815	2.909	ng	# 49
60) Diethylphthalate	10.35	149	130766	8.644	ng	98
63) Azobenzene	10.89	77	106076	6.985	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.73	198	337	6.862	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	10336	2.010	ng	# 1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

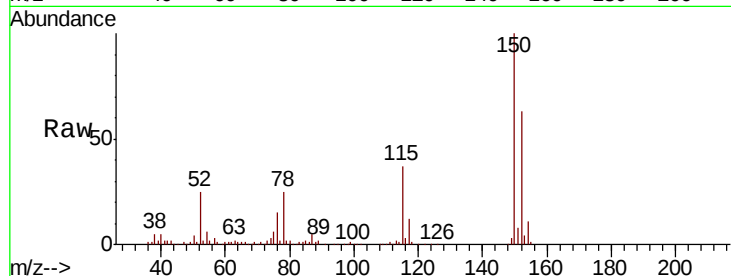
Tot Ion:152 Resp: 128719

Ion Ratio Lower Upper

152 100

150 158.7 126.6 189.8

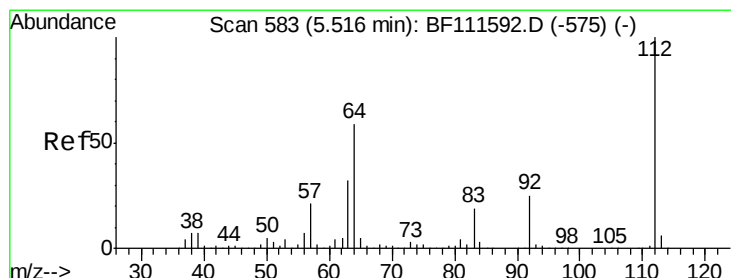
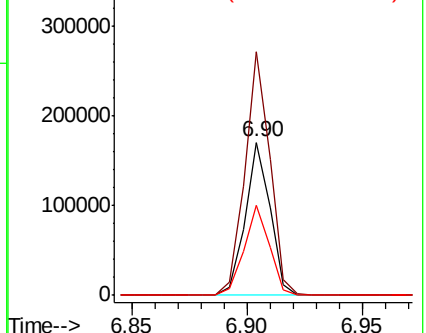
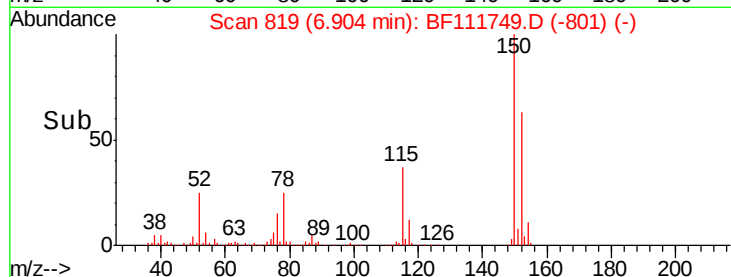
115 59.0 50.7 76.1



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: 33.116 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

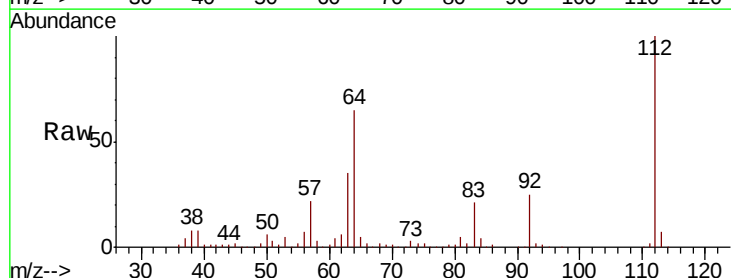
Tgt Ion:112 Resp: 250075

Ion Ratio Lower Upper

112 100

64 65.0 51.8 77.6

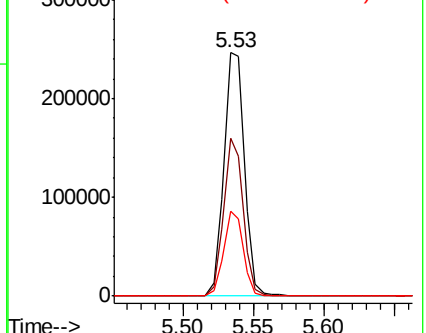
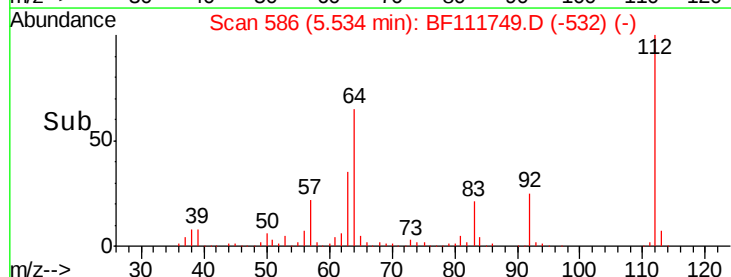
63 34.9 26.8 40.2

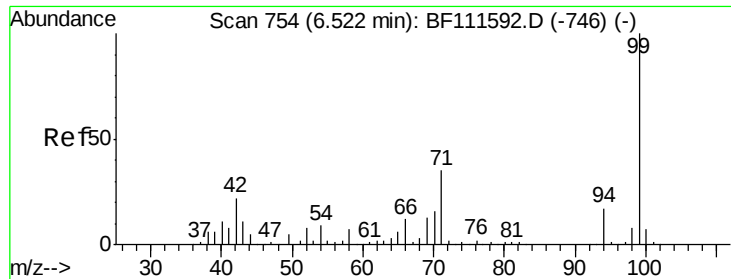


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.525 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampled :

WATER-1DL

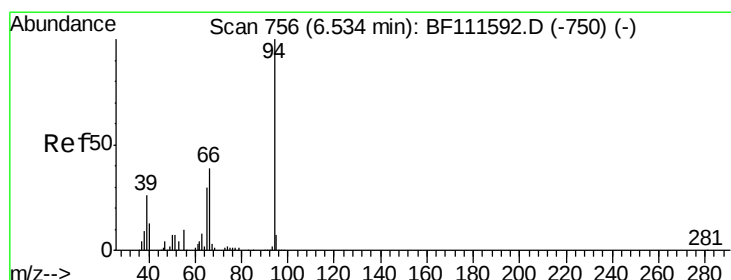
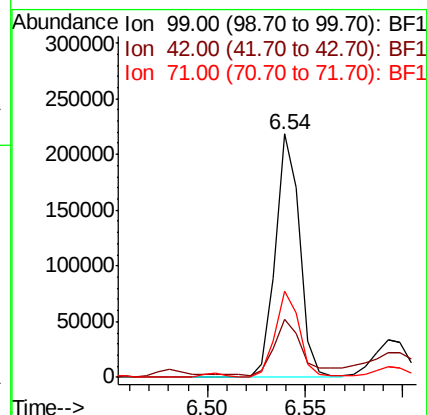
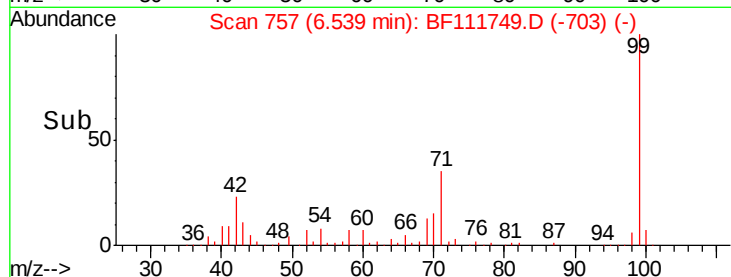
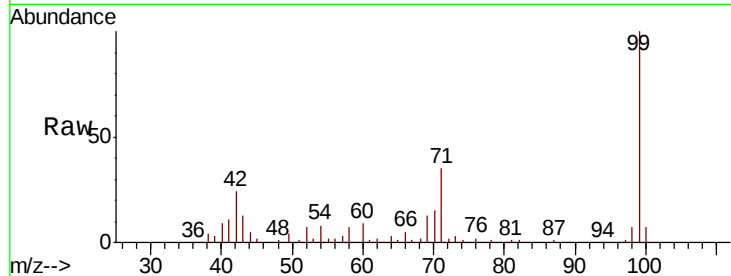
Tot Ion: 99 Resp: 187642

Ion Ratio Lower Upper

99 100

42 23.9 17.4 26.0

71 35.2 26.1 39.1



#10

Phenol

Concen: 3.126 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

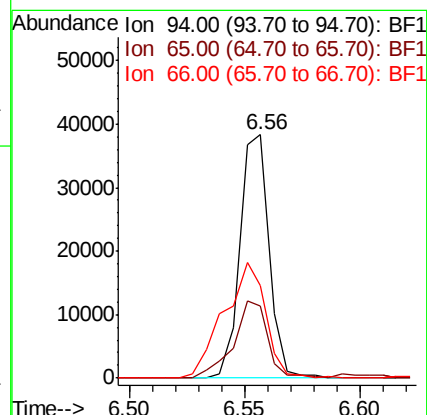
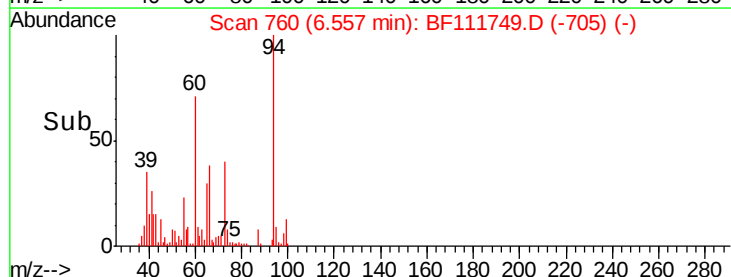
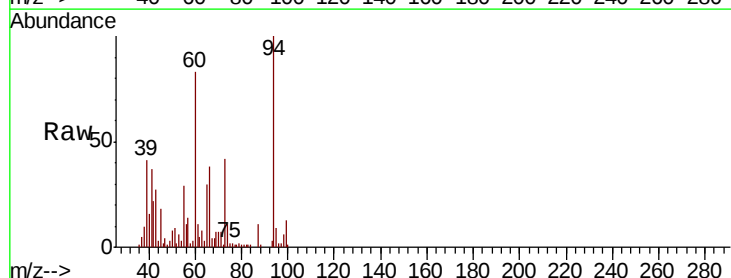
Tgt Ion: 94 Resp: 33902

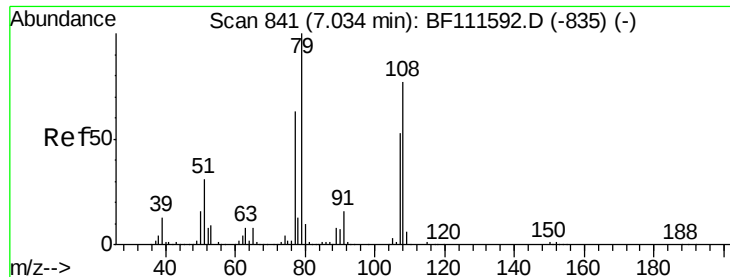
Ion Ratio Lower Upper

94 100

65 29.5 11.7 51.7

66 37.8 21.0 61.0





#15

Benzyl Alcohol

Concen: 4.109 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

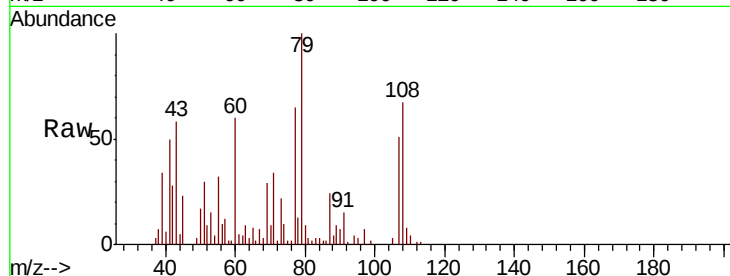
Tot Ion: 79 Resp: 31364

Ion Ratio Lower Upper

79 100

108 67.0 69.4 104.2#

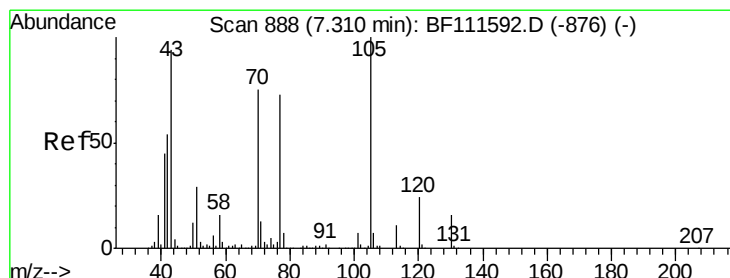
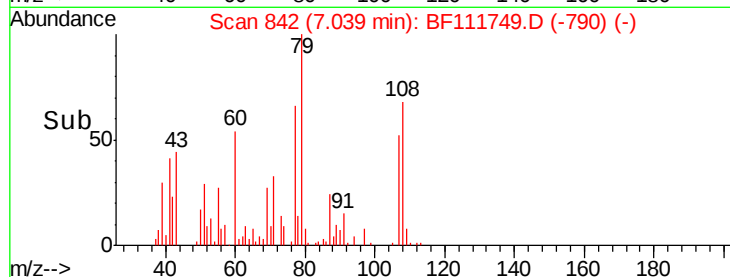
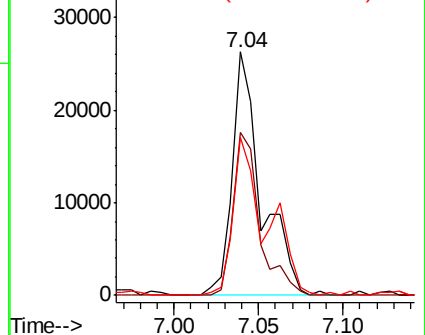
77 64.8 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.818 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.03 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Tgt Ion: 70 Resp: 17988

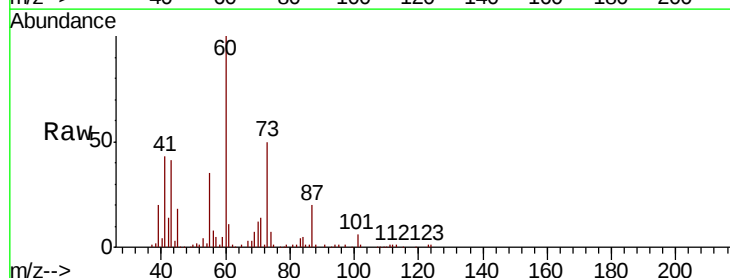
Ion Ratio Lower Upper

70 100

42 117.1 53.2 79.8#

101 51.1 8.2 12.4#

130 0.0 18.1 27.1#

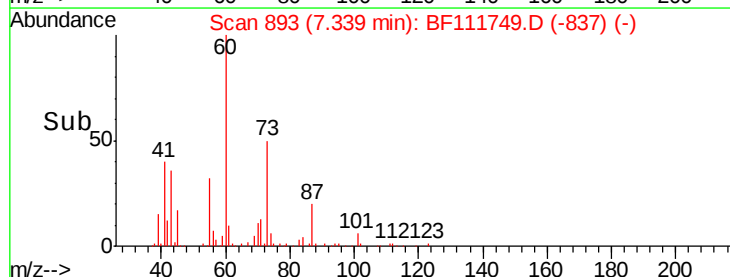
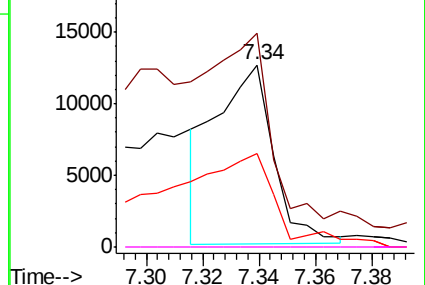


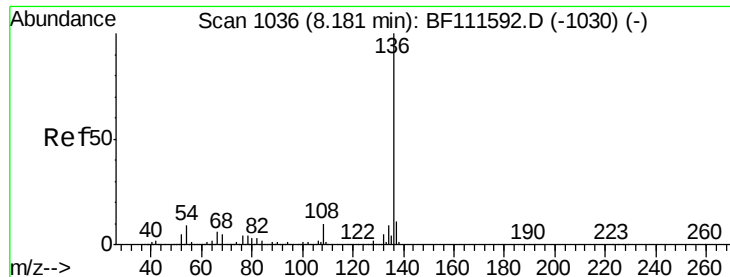
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

Tot Ion:136 Resp: 450034

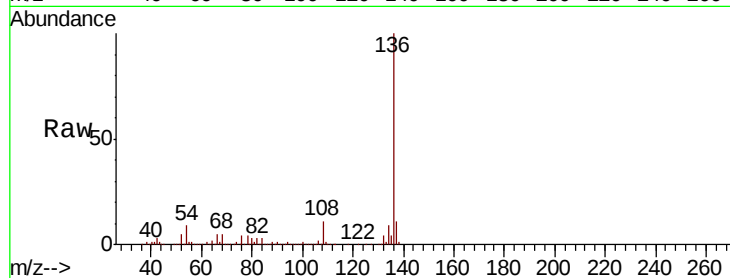
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.1 7.7 11.5

68 5.3 4.9 7.3

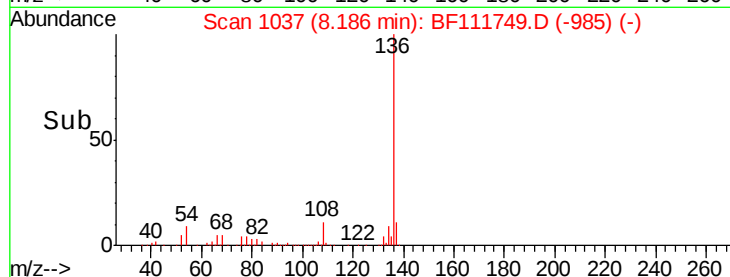


Abundance Ion 136.00 (135.70 to 136.70): E

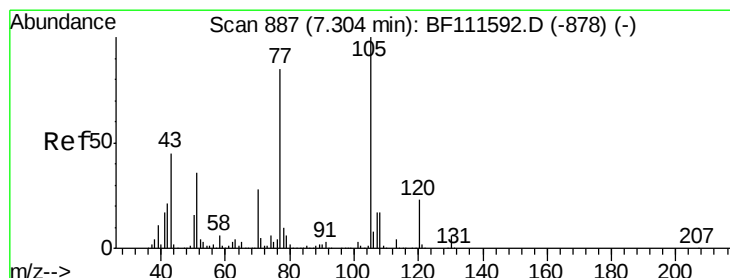
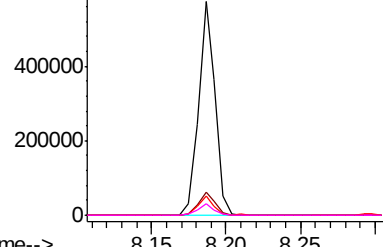
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 3.926 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Tgt Ion:105 Resp: 44759

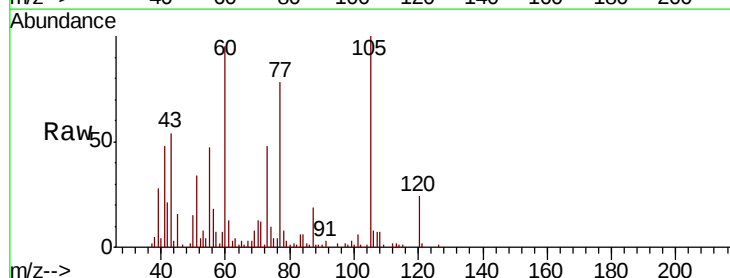
Ion Ratio Lower Upper

105 100

71 12.3 3.1 4.7#

51 33.6 36.6 54.8#

120 23.5 18.2 27.4

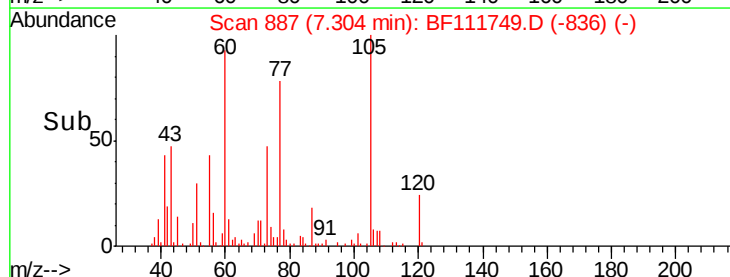


Abundance Ion 105.00 (104.70 to 105.70): E

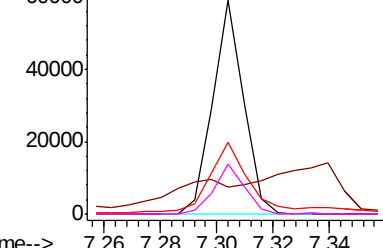
Ion 71.00 (70.70 to 71.70): BF1

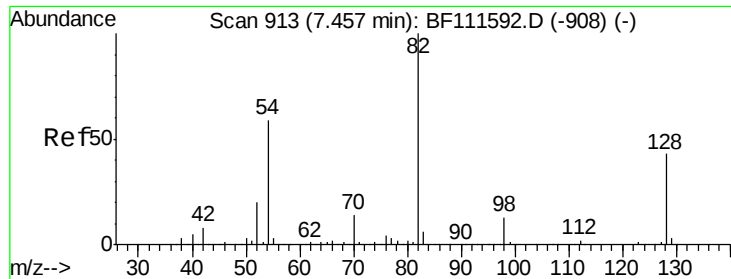
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

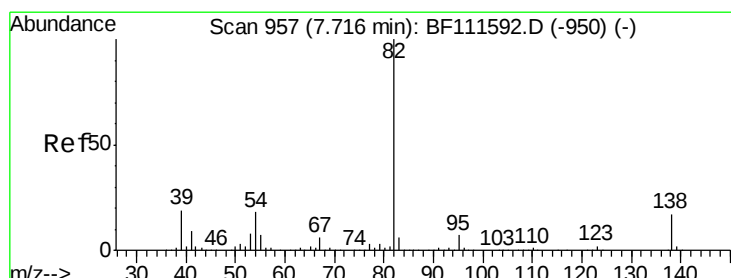
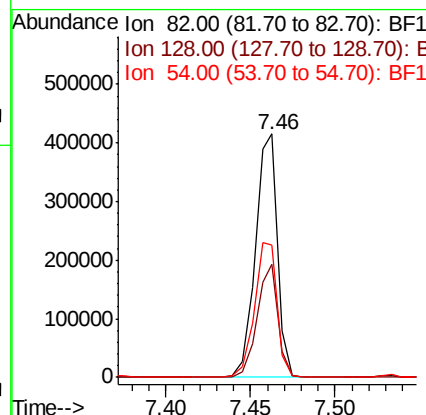
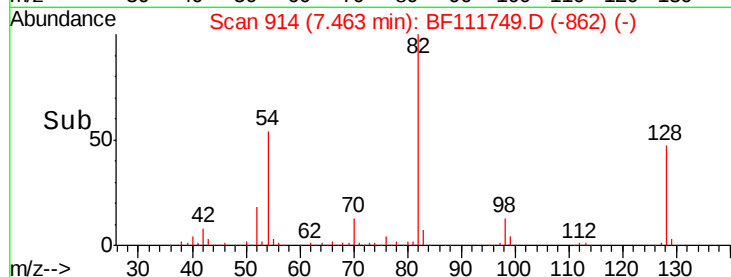
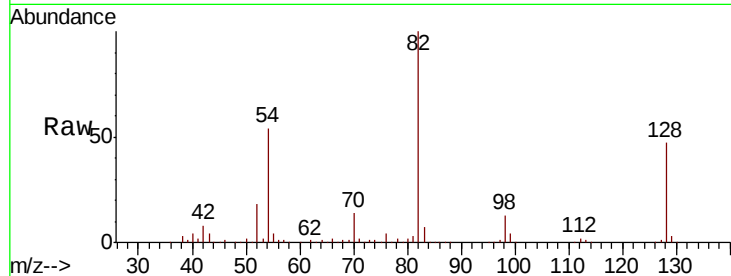




#23
 Nitrobenzene-d5
 Concen: 49.185 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

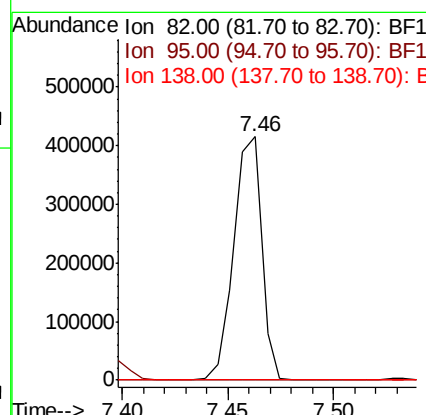
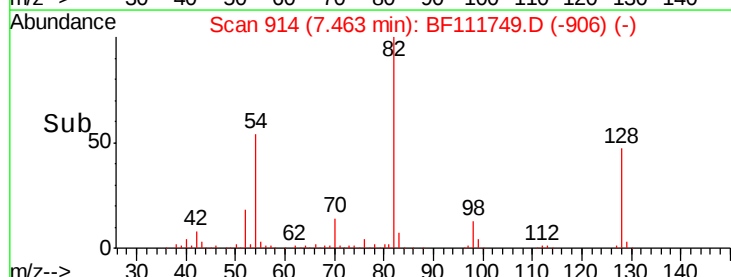
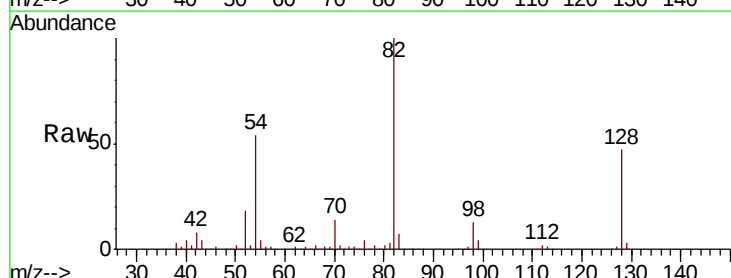
Instrument :
 BNA_F
 ClientSampleId :
 WATER-1DL

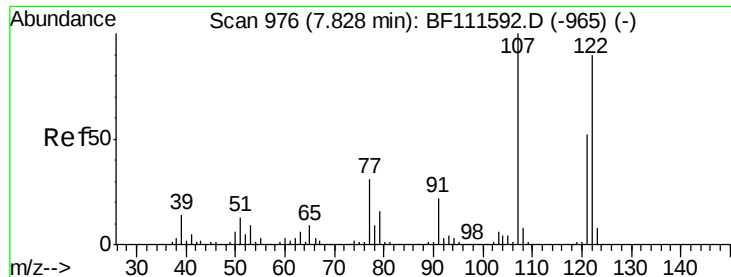
Tot Ion: 82 Resp: 380275
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.4 56.2
 54 54.5 47.6 71.4



#25
 Isophorone
 Concen: 27.522 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.25 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion: 82 Resp: 377752
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.4 8.2#
 138 0.0 15.1 22.7#





#27

2,4-Dimethylphenol

Concen: 43.799 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.16 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

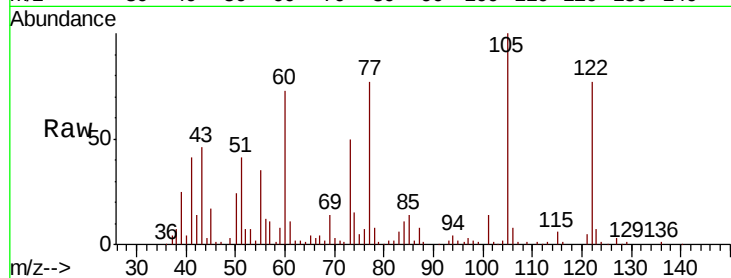
Tot Ion:122 Resp: 283748

Ion Ratio Lower Upper

122 100

107 1.1 85.5 128.3#

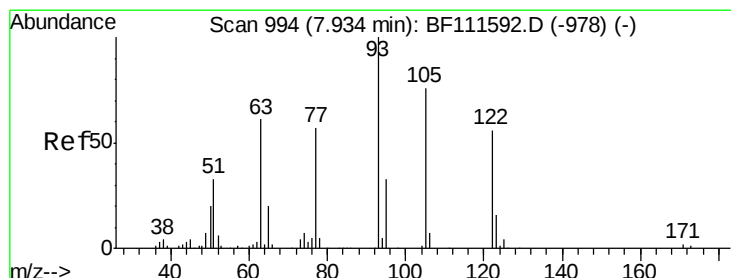
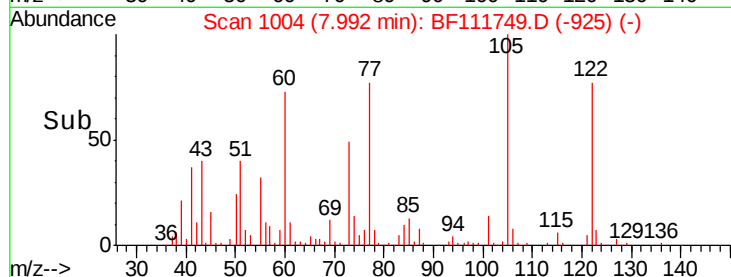
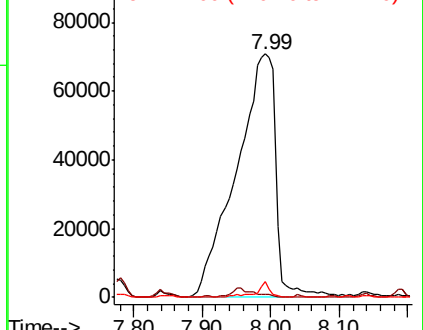
121 6.4 46.6 70.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 66.243 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.06 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

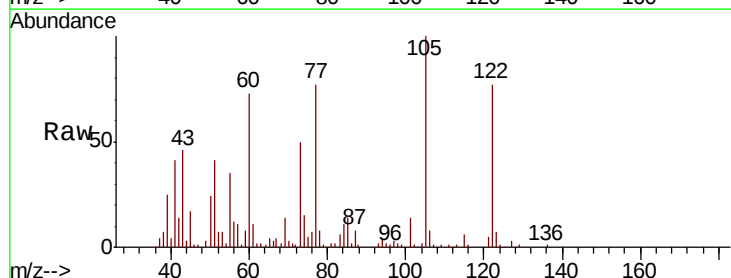
Tgt Ion:122 Resp: 283748

Ion Ratio Lower Upper

122 100

105 129.7 97.0 137.0

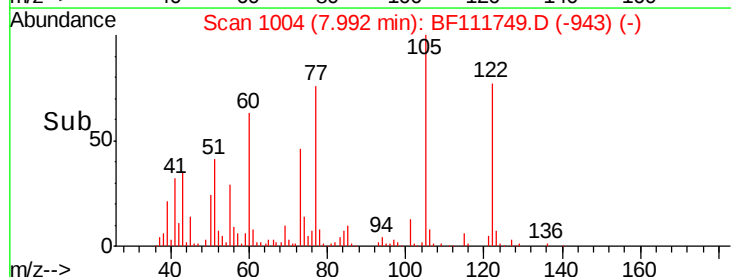
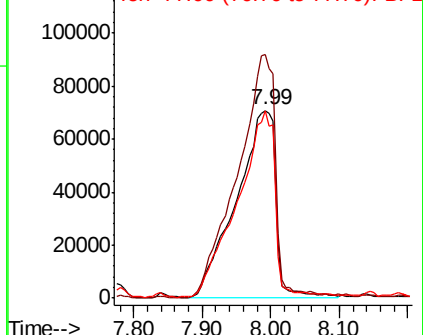
77 99.5 65.7 105.7

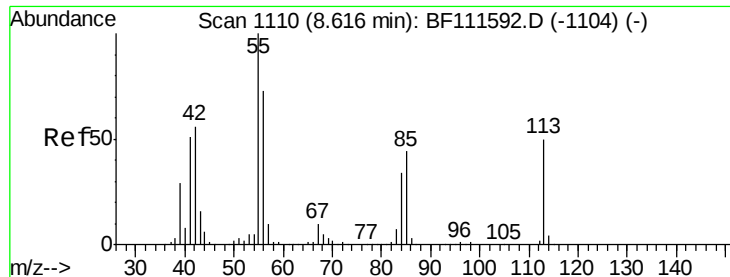


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

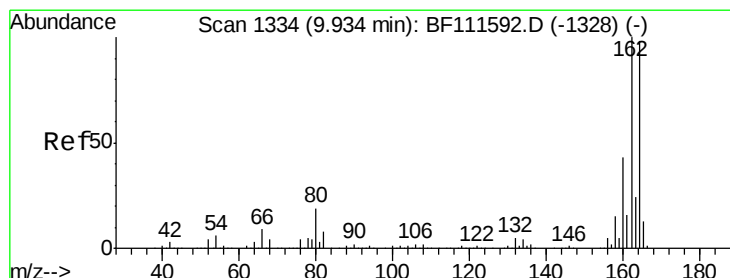
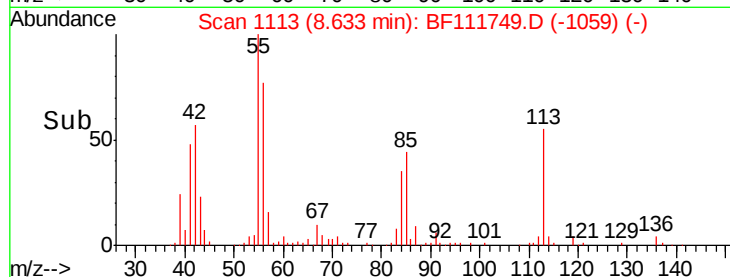
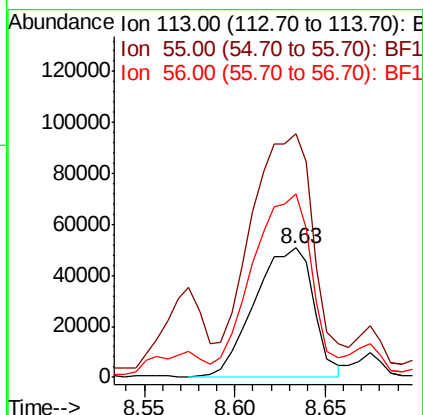
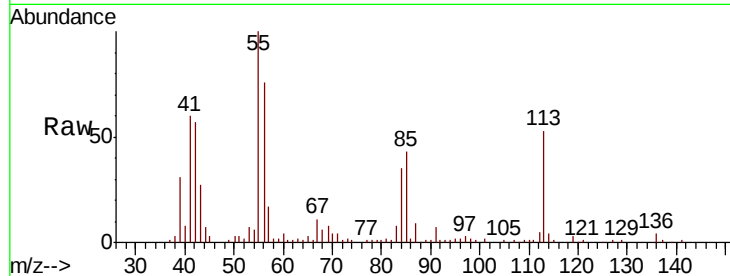




#35
 Caprolactam
 Concen: 48.422 ng
 RT: 8.63 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

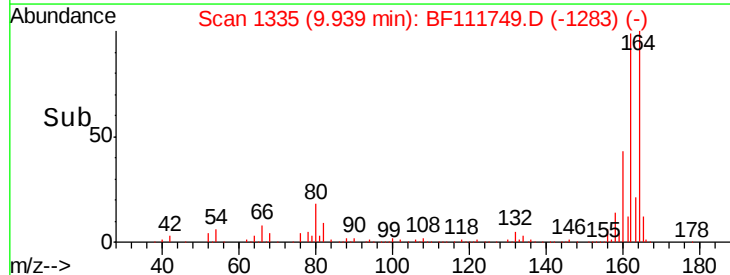
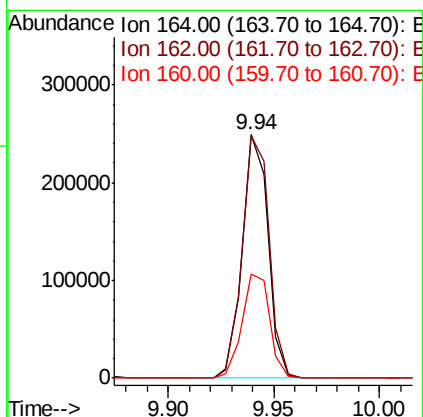
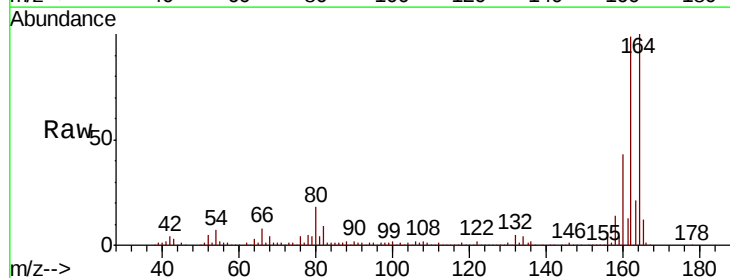
Instrument :
 BNA_F
 ClientSampleId :
 WATER-1DL

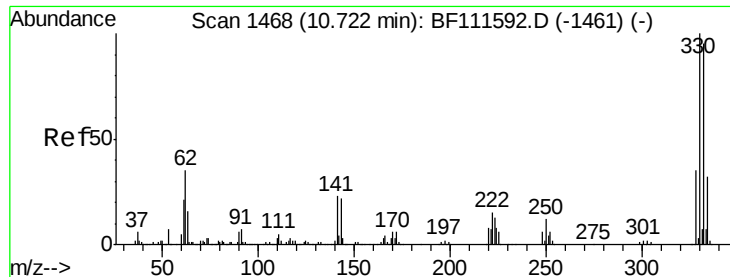
Tot Ion:113 Resp: 114334
 Ion Ratio Lower Upper
 113 100
 55 188.3 184.1 224.1
 56 142.3 126.0 166.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion:164 Resp: 210889
 Ion Ratio Lower Upper
 164 100
 162 99.3 81.4 122.0
 160 42.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 68.388 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

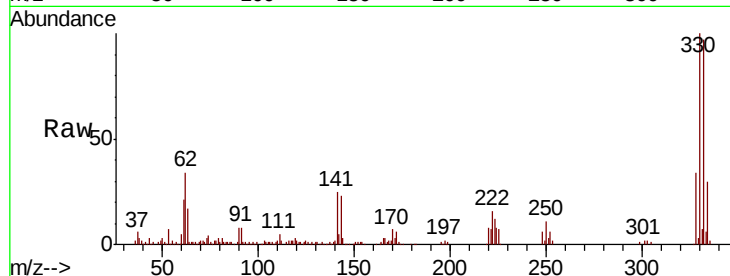
Tot Ion:330 Resp: 170410

Ion Ratio Lower Upper

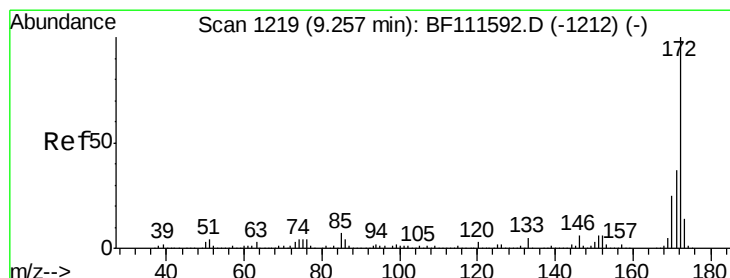
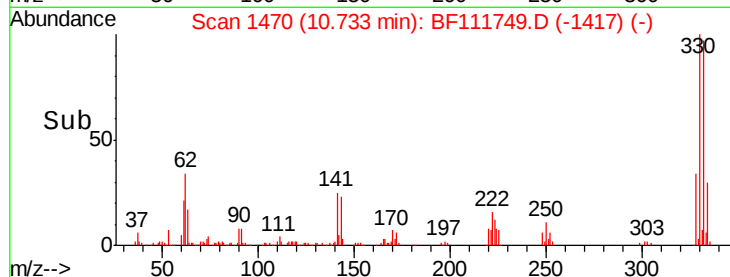
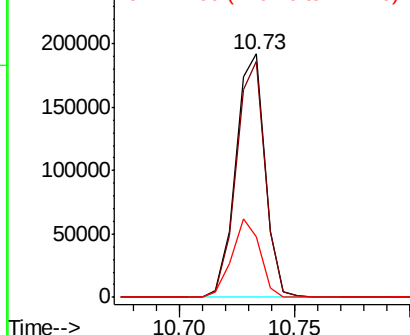
330 100

332 95.9 76.0 114.0

141 31.0 31.0 46.6#



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: 49.575 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

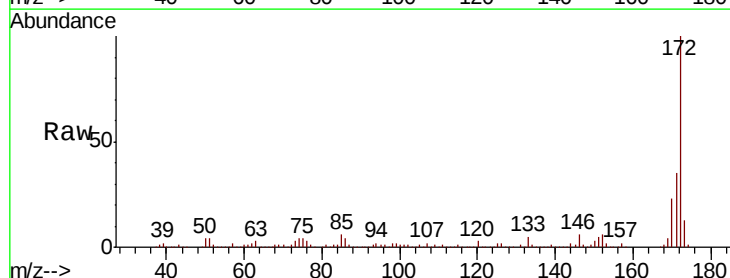
Tgt Ion:172 Resp: 717269

Ion Ratio Lower Upper

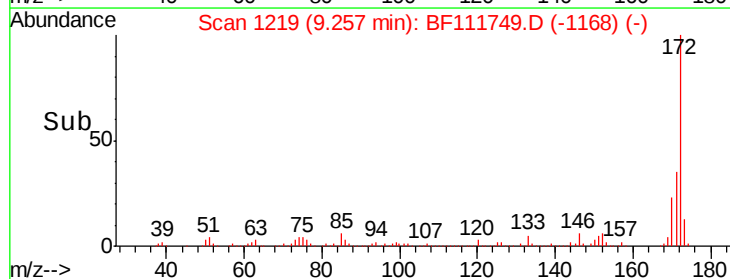
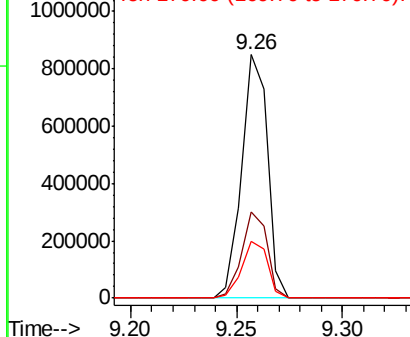
172 100

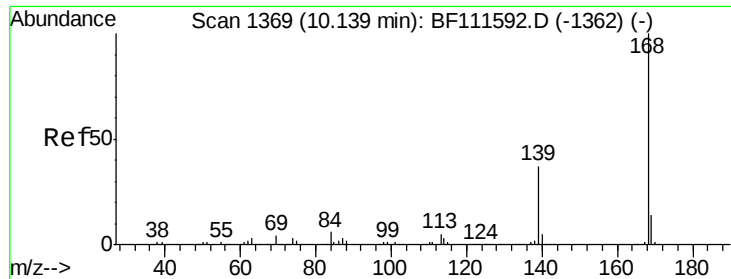
171 35.3 33.0 49.4

170 23.3 22.3 33.5



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

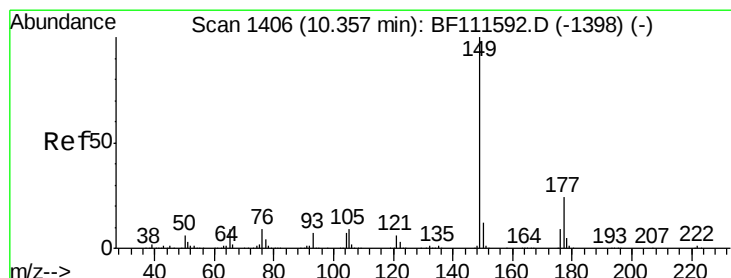
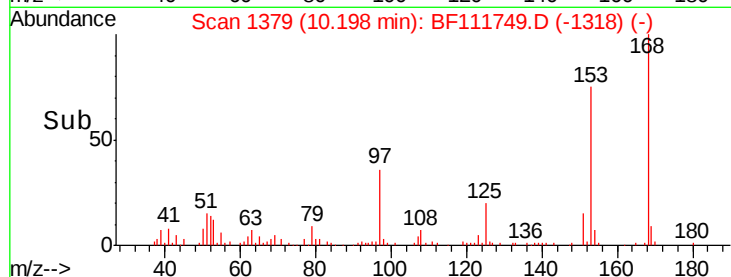
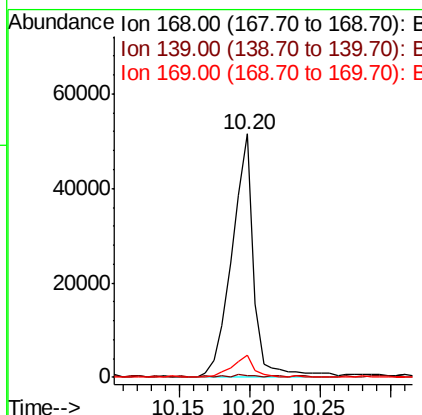
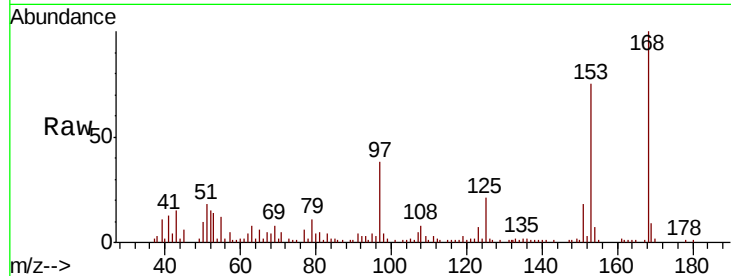




#55
Dibenzofuran
Concen: 2.909 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.06 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

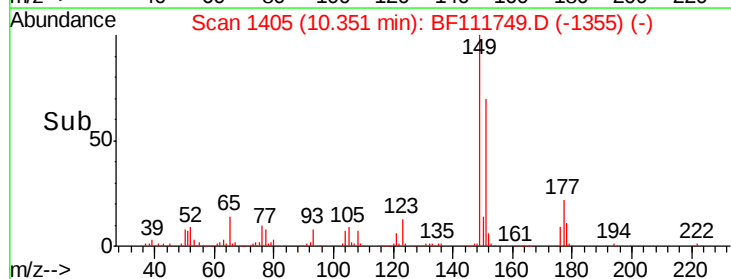
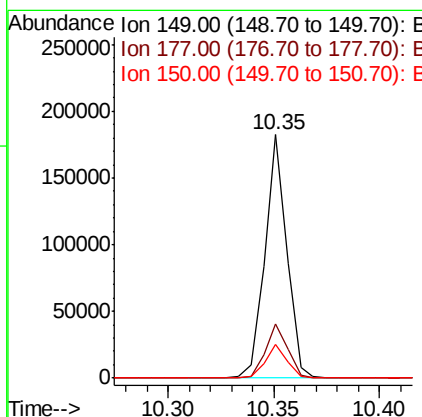
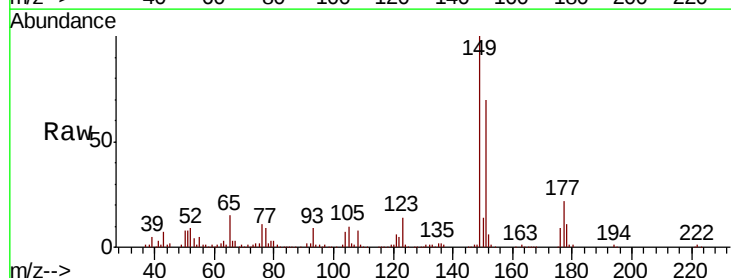
Instrument :
BNA_F
ClientSampleId :
WATER-1DL

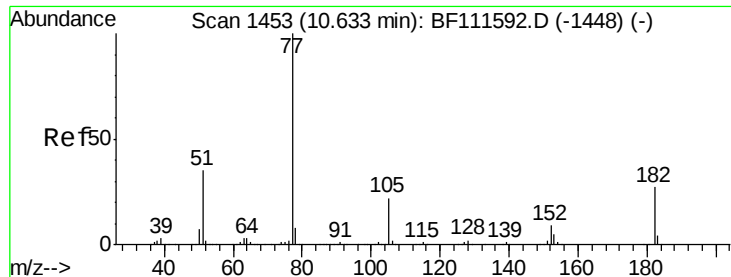
Tot Ion:168 Resp: 55815
Ion Ratio Lower Upper
168 100
139 0.8 32.6 49.0#
169 9.0 11.8 17.6#



#60
Diethylphthalate
Concen: 8.644 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion:149 Resp: 130766
Ion Ratio Lower Upper
149 100
177 22.1 18.3 27.5
150 13.8 10.6 15.8





#63

Azobenzene

Concen: 6.985 ng

RT: 10.89 min Scan# 1496

Delta R.T. 0.25 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

Tot Ion: 77 Resp: 106076

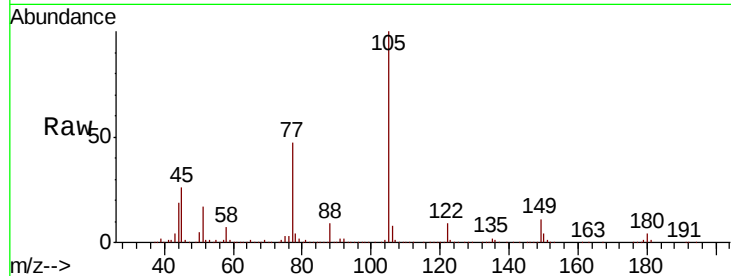
Ion Ratio Lower Upper

77 100

182 0.0 4.9 44.9#

105 213.2 6.0 46.0#

51 35.6 14.7 54.7

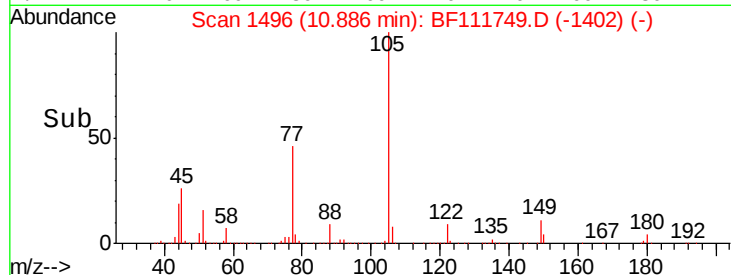


Abundance Ion 77.00 (76.70 to 77.70): BF1

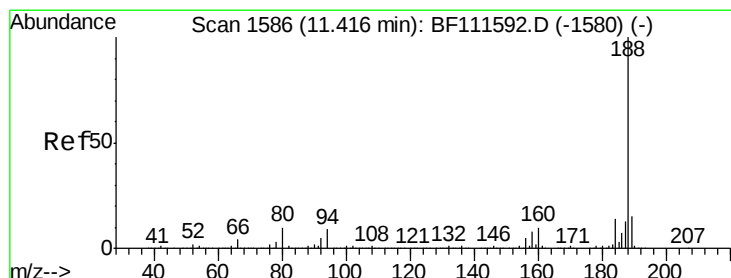
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time--> 10.80 10.85 10.90



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

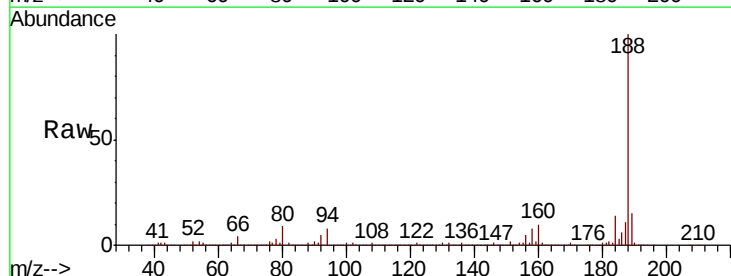
Tgt Ion: 188 Resp: 414687

Ion Ratio Lower Upper

188 100

94 8.2 9.6 14.4#

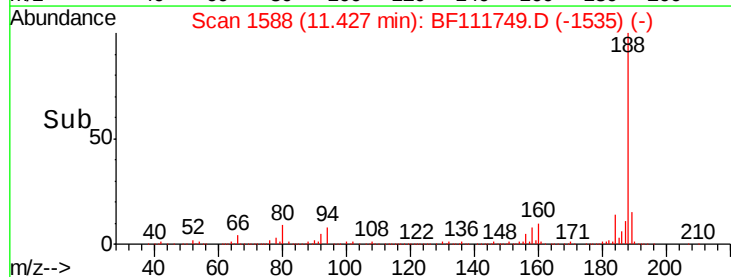
80 9.1 9.8 14.6#



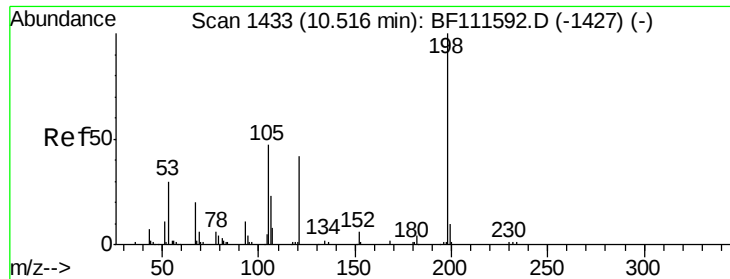
Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.40 11.45



#65

4,6-Dinitro-2-methylphenol

Concen: 6.862 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.22 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

WATER-1DL

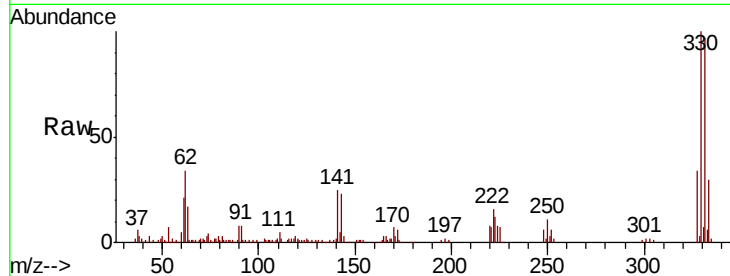
Tot Ion:198 Resp: 337

Ion Ratio Lower Upper

198 100

51 420.0 48.0 88.0#

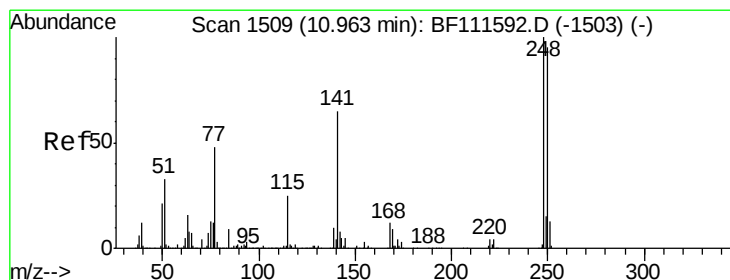
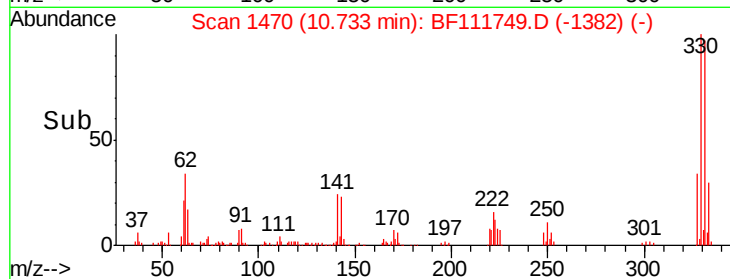
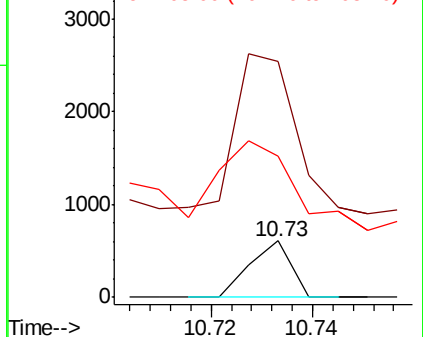
105 251.7 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.010 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

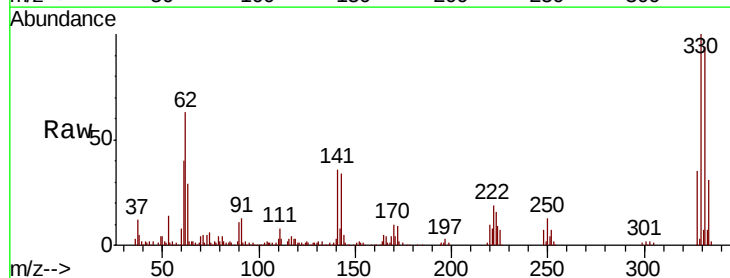
Tgt Ion:248 Resp: 10336

Ion Ratio Lower Upper

248 100

250 197.9 77.0 115.4#

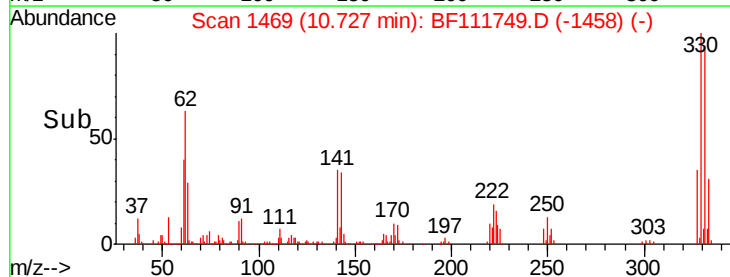
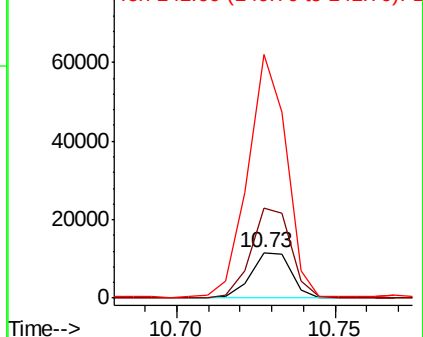
141 535.3 63.0 94.6#

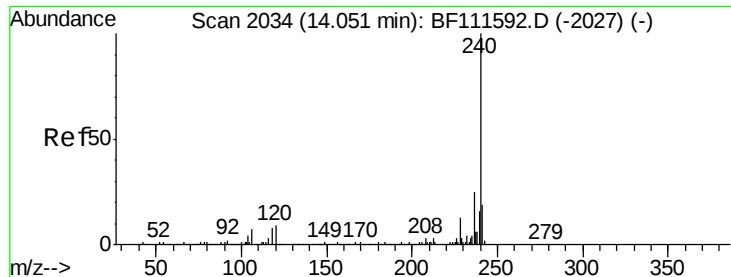


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

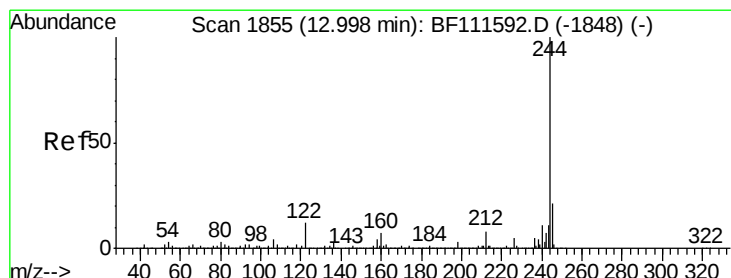
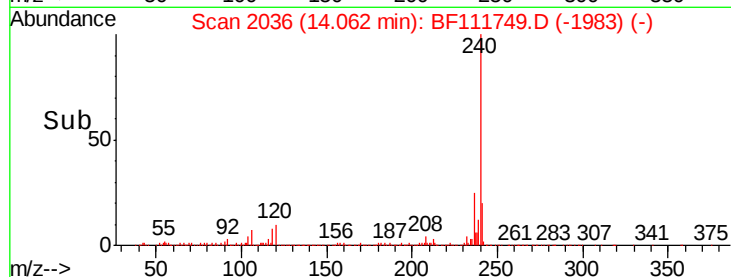
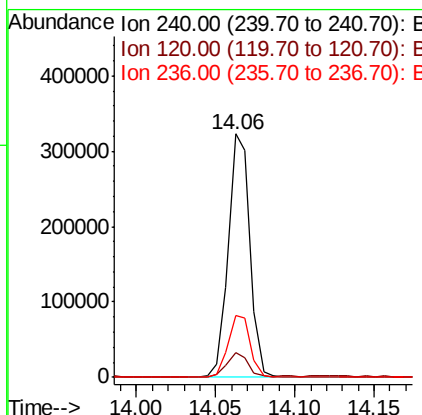
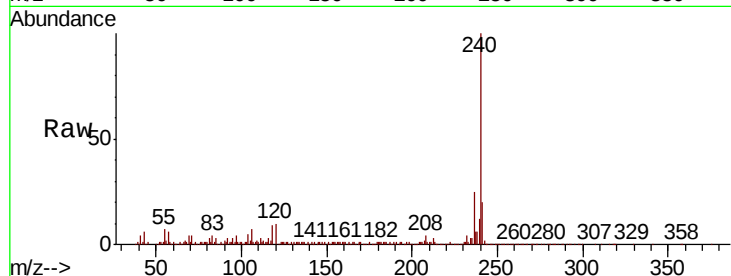




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

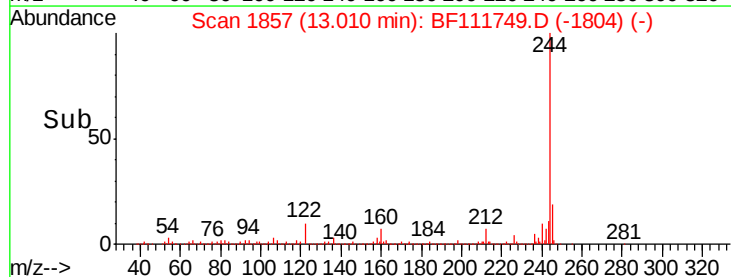
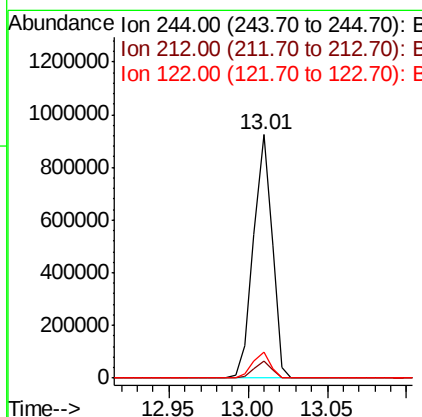
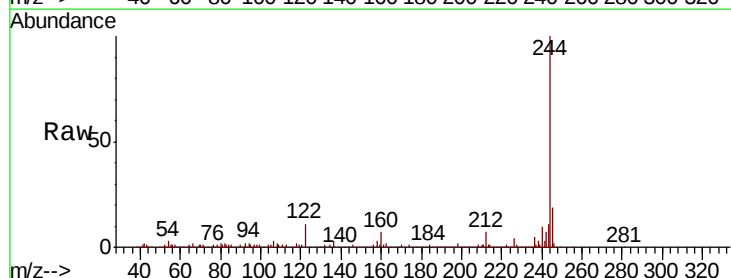
Instrument :
 BNA_F
 ClientSampleId :
 WATER-1DL

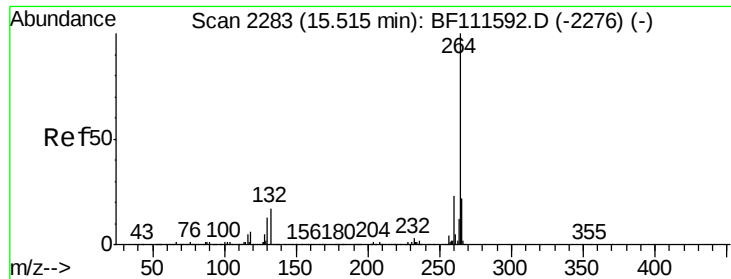
Tot Ion:240 Resp: 302348
 Ion Ratio Lower Upper
 240 100
 120 10.3 12.2 18.2#
 236 25.3 20.2 30.2



#79
 Terphenyl-d14
 Concen: 47.706 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion:244 Resp: 760578
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.5 13.1 19.7#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.04 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Instrument :
BNA_F
ClientSampleId :
WATER-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.1	17.7	26.5

