

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086127.D
 Acq On : 7 Apr 2016 12:52
 Operator : UM/SJ
 Sample : H2155-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATER

Quant Time: Apr 08 01:38:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118160	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	475470	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	98040	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	312228	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	113894	20.00	ng	-0.03
86) Perylene-d12	15.30	264	4412	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	864596	125.07	ng	-0.03
7) Phenol-d6	6.38	99	704295	80.21	ng	-0.03
23) Nitrobenzene-d5	7.31	82	795545	98.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	298231	324.10	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1332959	226.06	ng	-0.03
78) Terphenyl-d14	12.84	244	924445	190.80	ng	-0.03

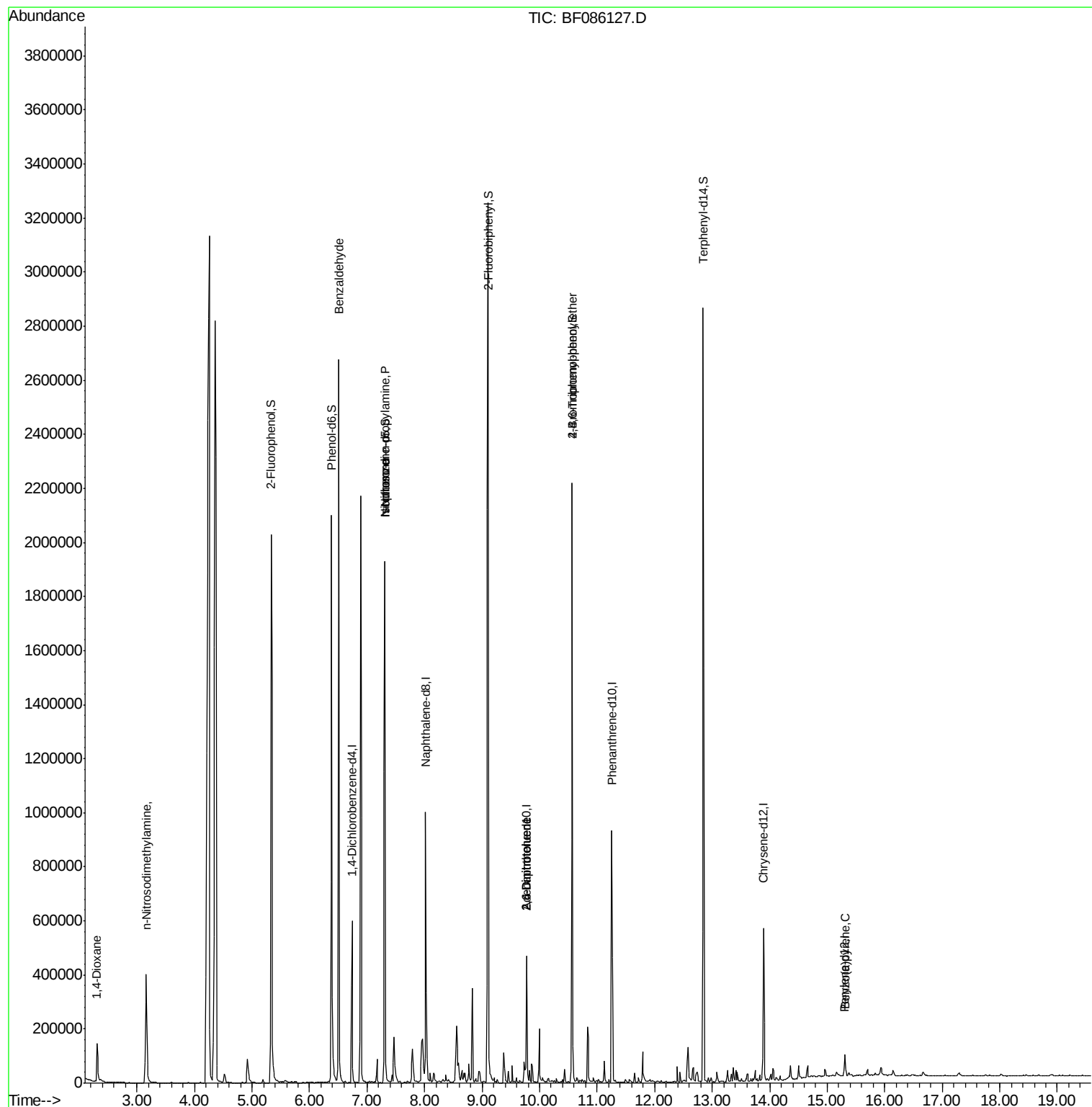
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.30	88	81500	24.87	ng	98
4) n-Nitrosodimethylamine	3.16	42	12068	3.74	ng	# 1
9) Benzaldehyde	6.51	77	21288	4.51	ng	88
19) n-Nitroso-di-n-propylamine	7.31	70	106981	19.66	ng	# 77
25) Isophorone	7.31	82	773910	48.63	ng	# 68
50) 2,6-Dinitrotoluene	9.77	165	12516	8.14	ng	# 22
56) 2,4-Dinitrotoluene	9.77	165	12516	6.44	ng	# 40
66) 4-Bromophenyl-phenylether	10.57	248	20406	6.40	ng	# 1
89) Benzo(a)pyrene	15.31	252	1042	4.24	ng	# 1

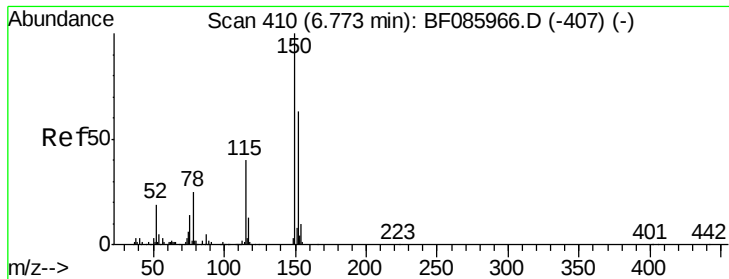
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

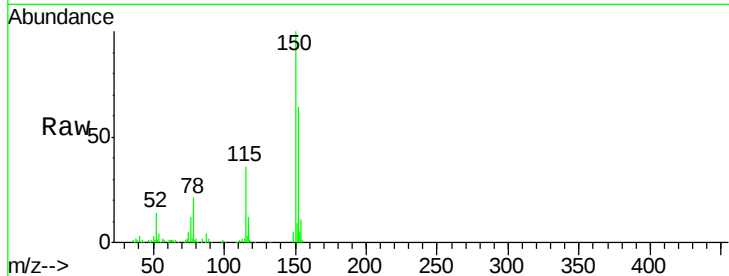
Tgt Ion:152 Resp: 118160

Ion Ratio Lower Upper

152 100

150 155.8 124.2 186.2

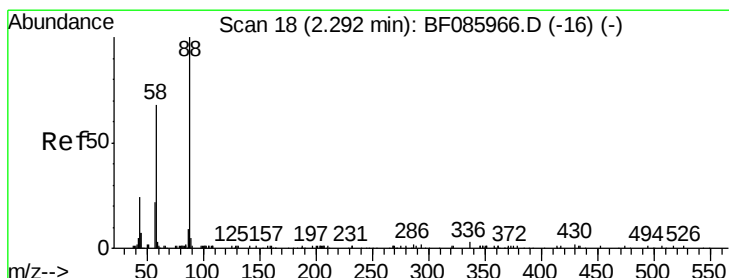
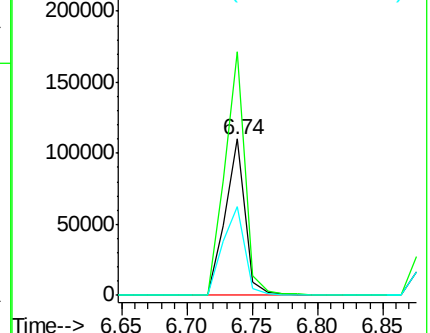
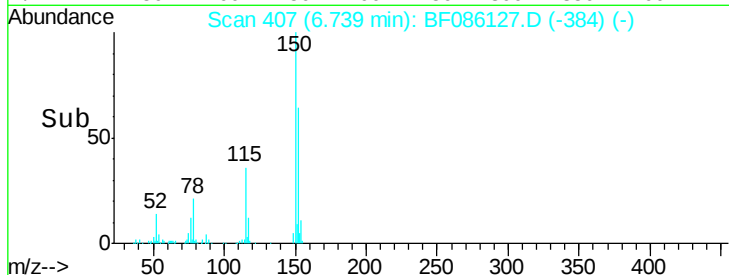
115 56.9 47.0 70.6



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



#2

1,4-Dioxane

Concen: 24.87 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.01 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

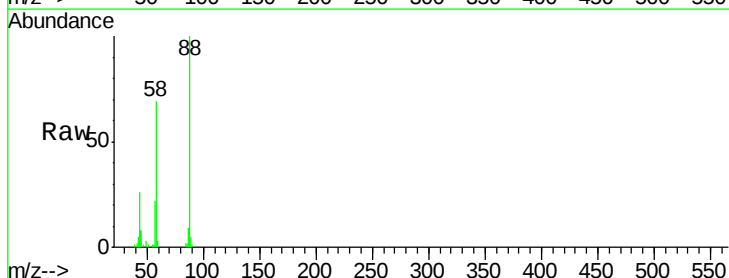
Tgt Ion: 88 Resp: 81500

Ion Ratio Lower Upper

88 100

58 67.5 54.2 81.2

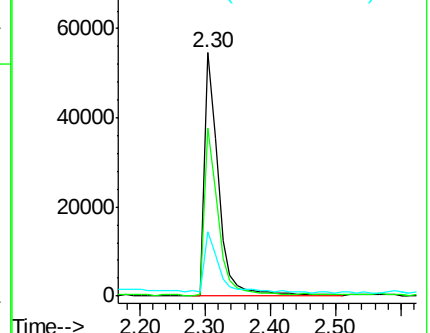
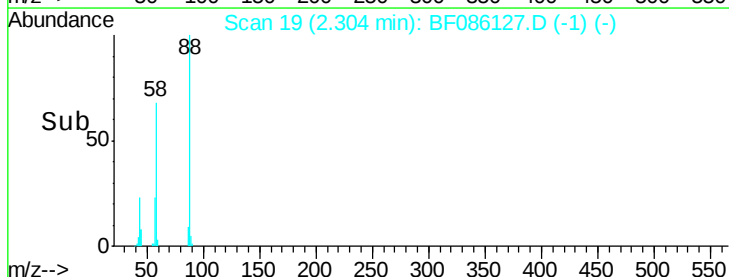
43 27.2 19.3 28.9

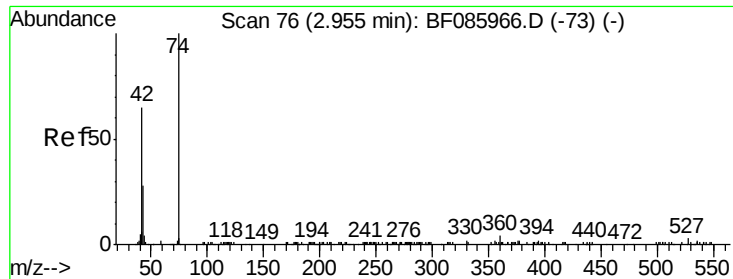


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 3.74 ng

RT: 3.16 min Scan# 94

Delta R.T. 0.21 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

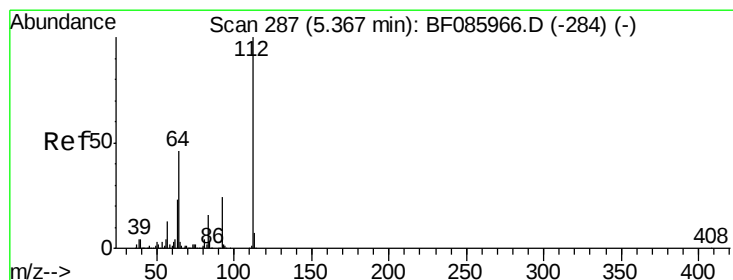
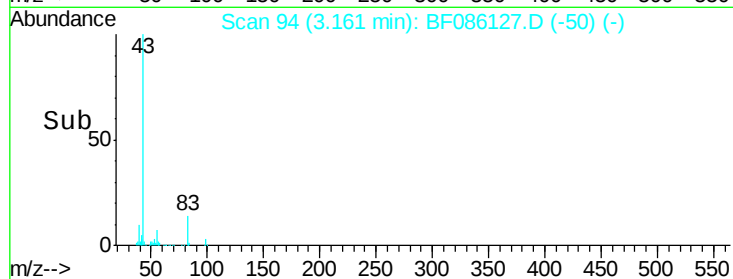
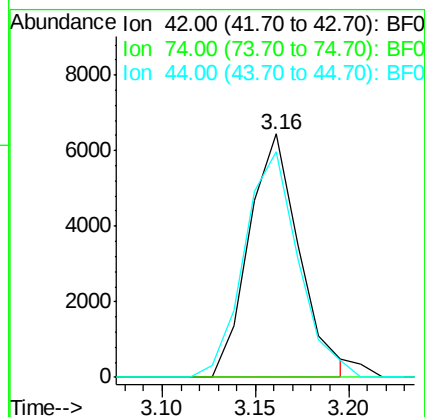
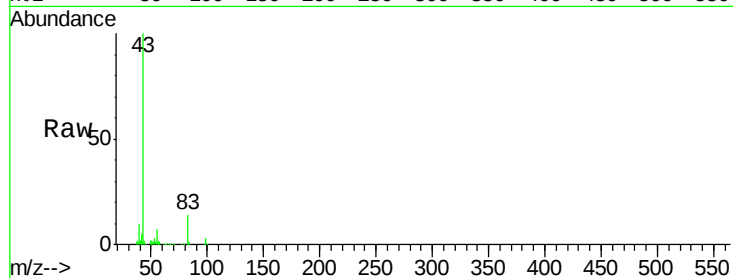
Tgt Ion: 42 Resp: 12068

Ion Ratio Lower Upper

42 100

74 0.0 121.4 182.2#

44 92.6 5.6 8.4#



#5

2-Fluorophenol

Concen: 125.07 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

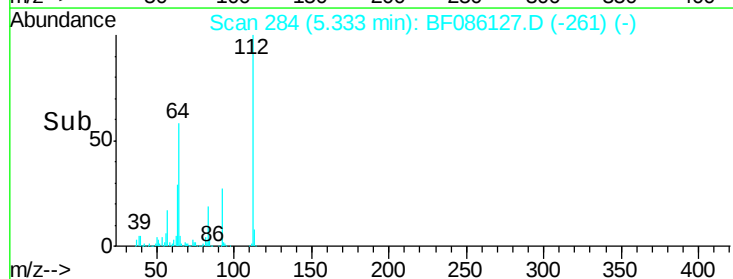
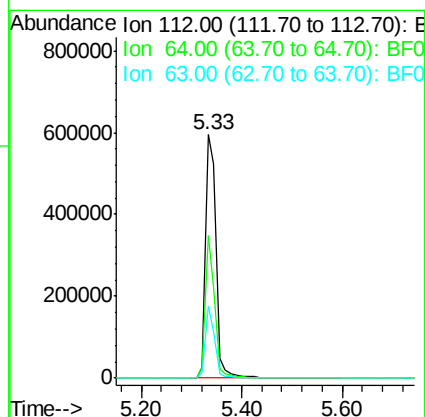
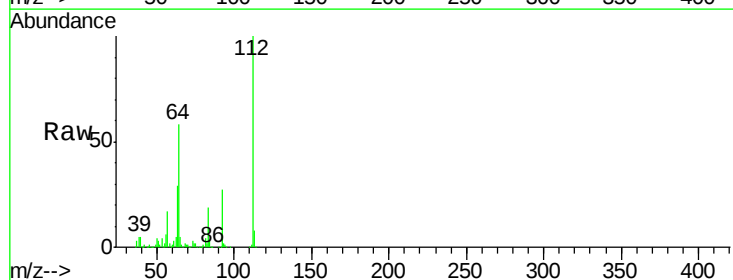
Tgt Ion: 112 Resp: 864596

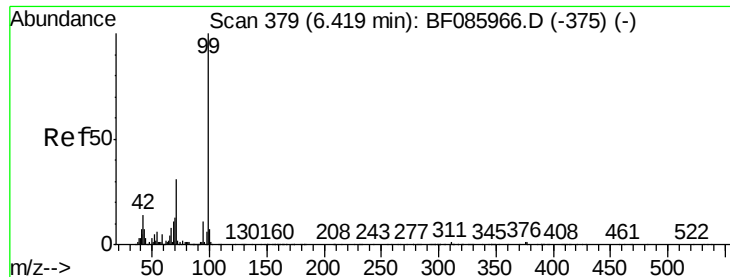
Ion Ratio Lower Upper

112 100

64 58.3 39.9 59.9

63 29.4 20.2 30.2





#7

Phenol-d6

Concen: 80.21 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

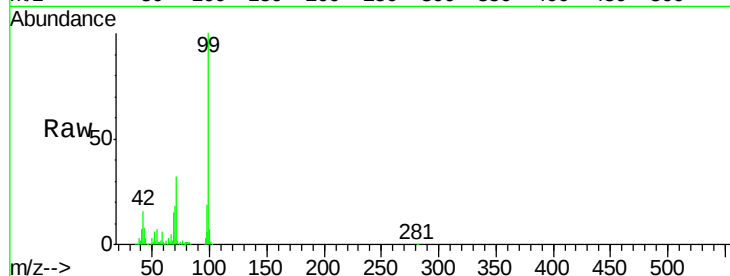
Tgt Ion: 99 Resp: 704295

Ion Ratio Lower Upper

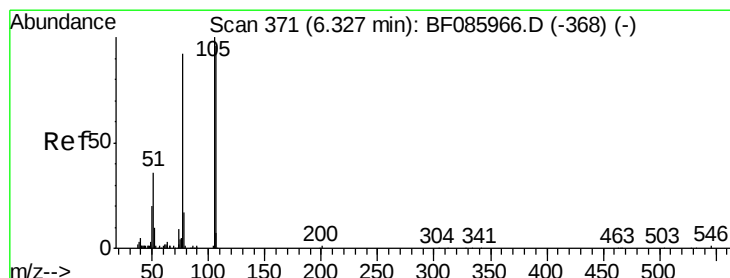
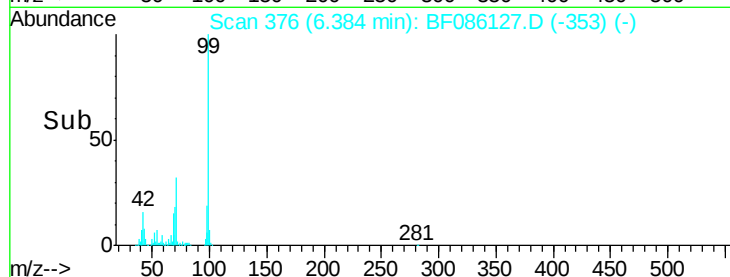
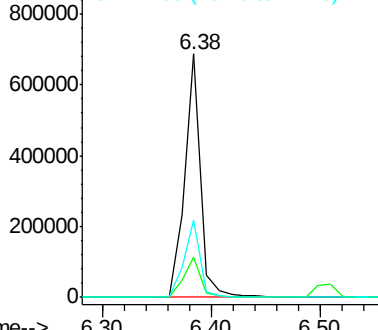
99 100

42 16.4 11.1 16.7

71 31.7 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.51 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

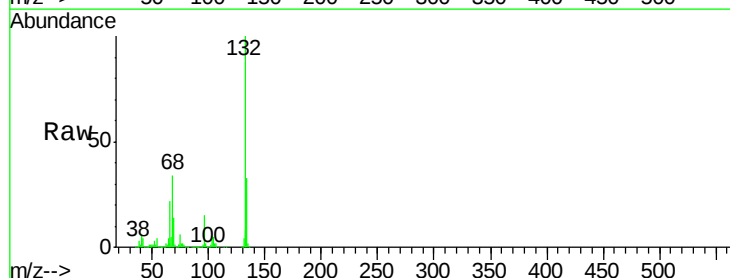
Tgt Ion: 77 Resp: 21288

Ion Ratio Lower Upper

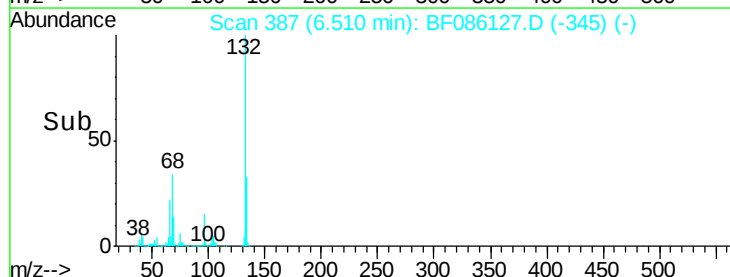
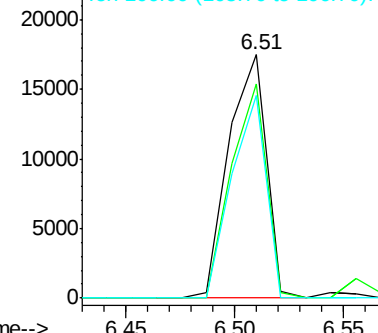
77 100

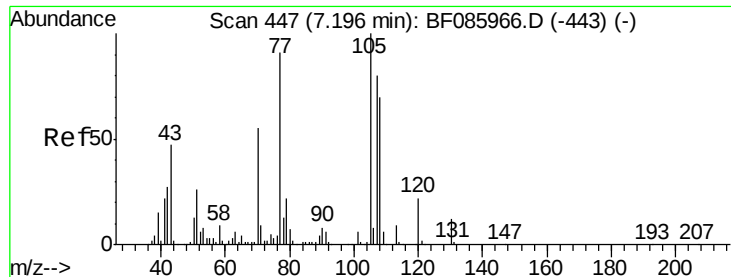
105 88.2 80.1 120.1

106 83.4 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 19.66 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

Tgt Ion: 70 Resp: 106981

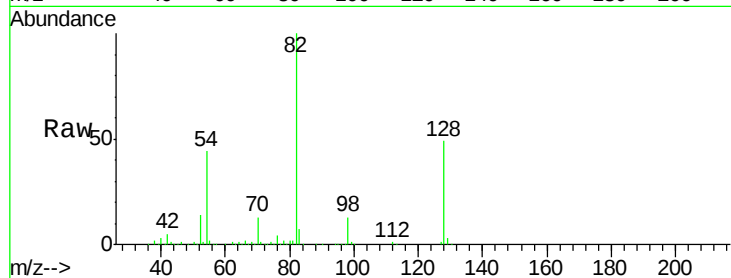
Ion Ratio Lower Upper

70 100

42 39.1 37.1 55.7

101 0.0 8.6 12.8#

130 2.5 19.6 29.4#

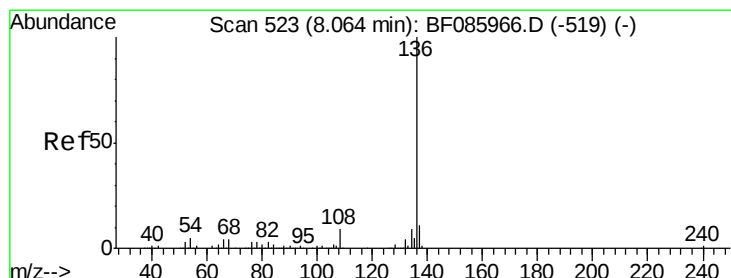
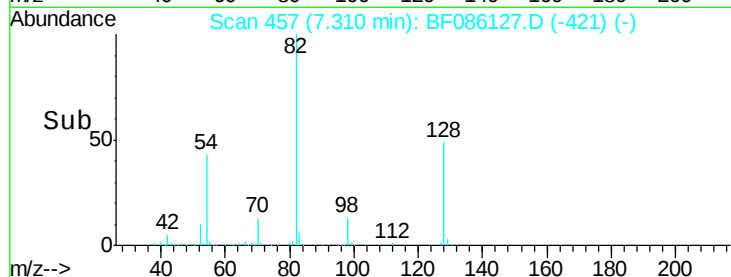
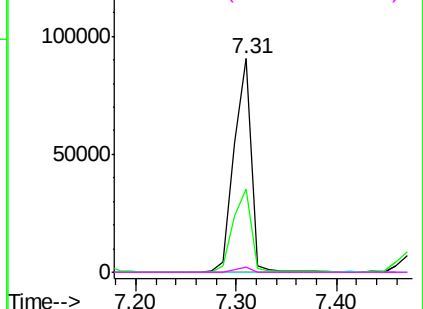


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Tgt Ion: 136 Resp: 475470

Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.1 7.4 11.0

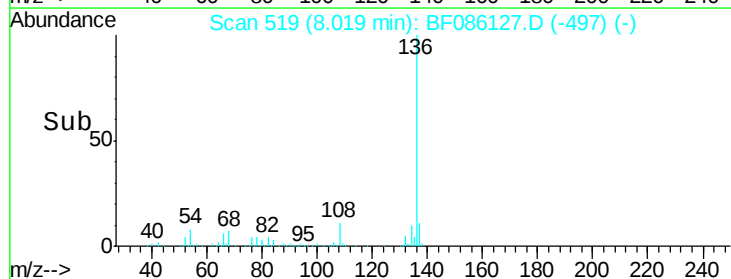
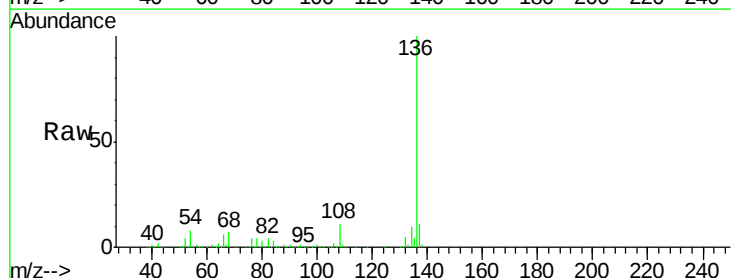
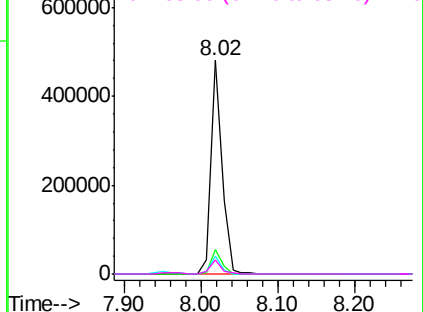
68 6.8 5.8 8.8

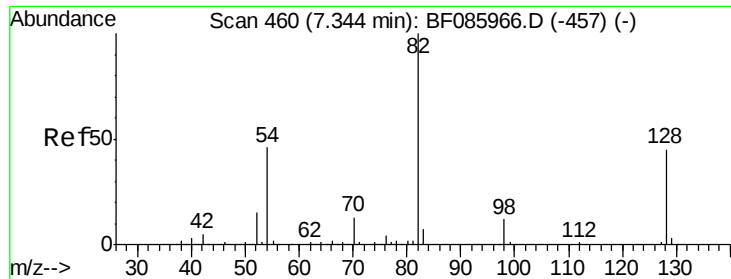
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

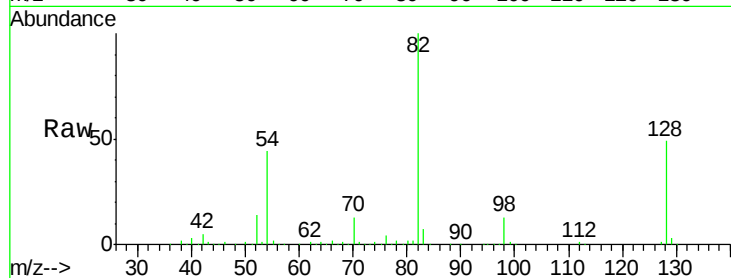




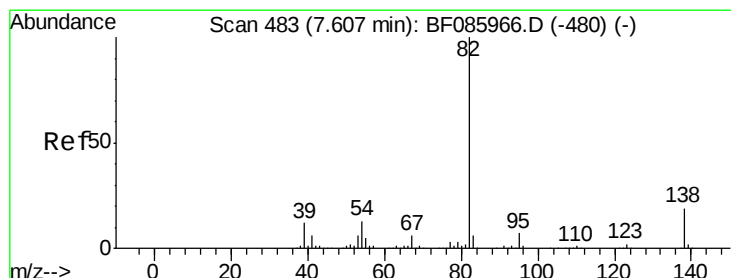
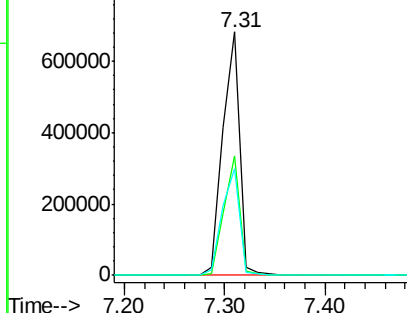
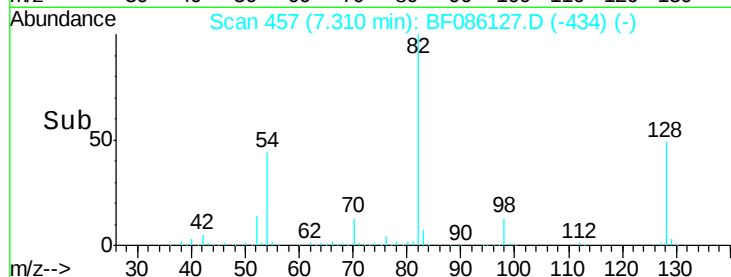
#23
 Nitrobenzene-d5
 Concen: 98.67 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086127.D
 Acq: 7 Apr 2016 12:52

Instrument :
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 PEN-IDW-040116-WATER

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.1	41.8	62.8
54	43.7	33.4	50.0

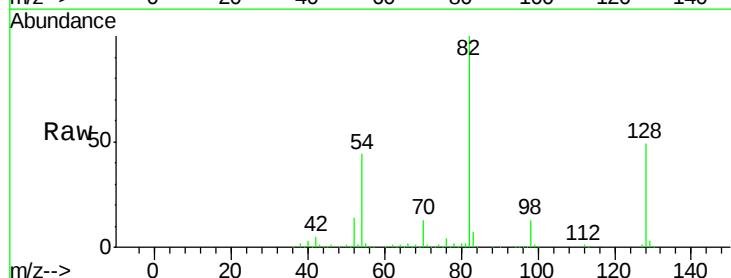


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

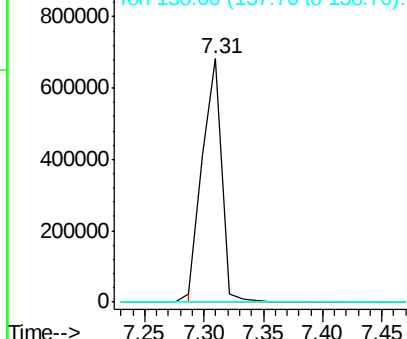
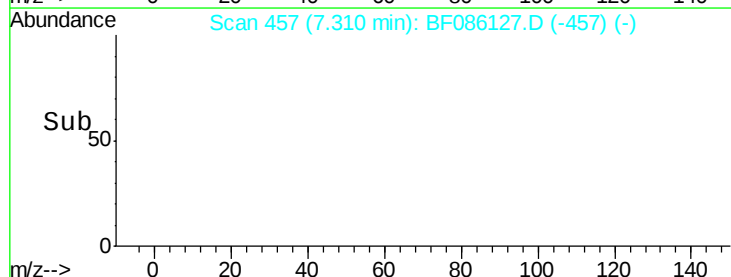


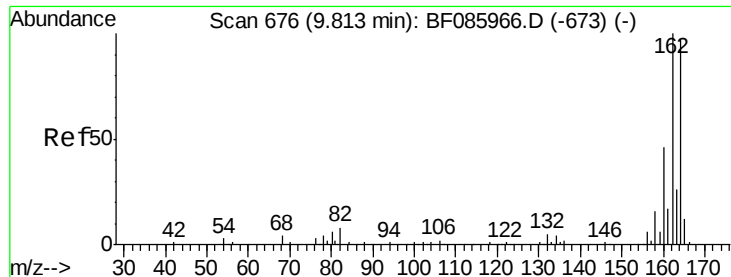
#25
 Isophorone
 Concen: 48.63 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086127.D
 Acq: 7 Apr 2016 12:52

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.2#
138	0.0	12.9	19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): B

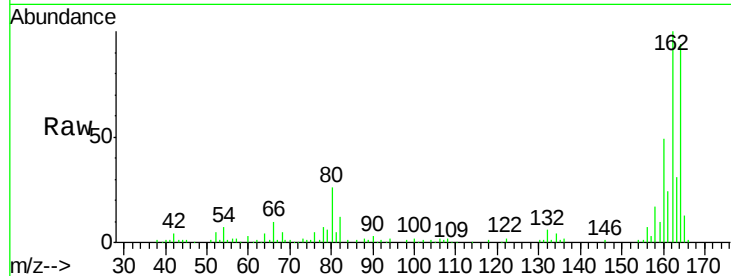




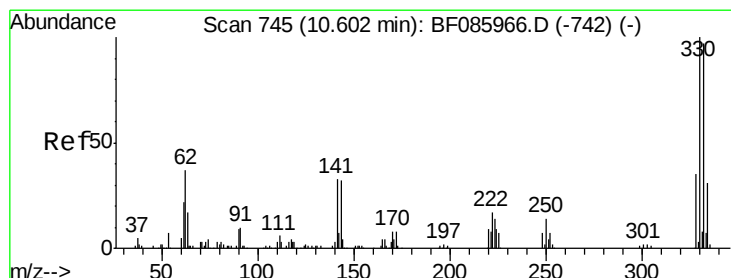
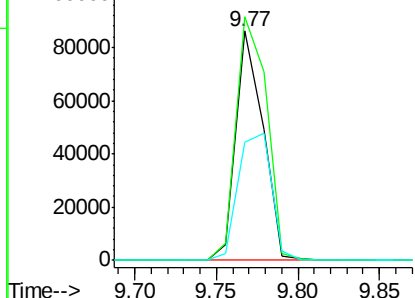
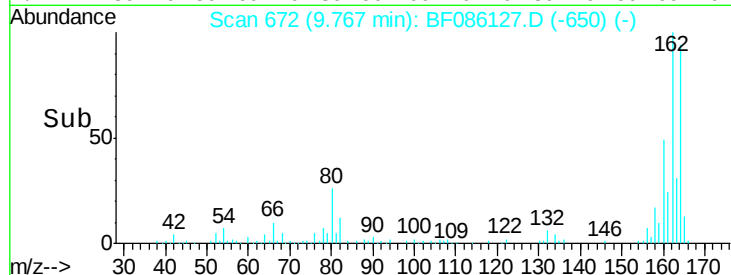
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.05 min
 Lab File: BF086127.D
 Acq: 7 Apr 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :
 PEN-IDW-040116-WATER

Tgt Ion:164 Resp: 98040
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.1 123.1
 160 51.6 37.4 56.2

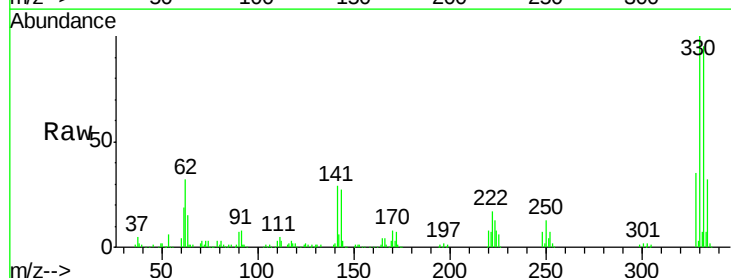


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

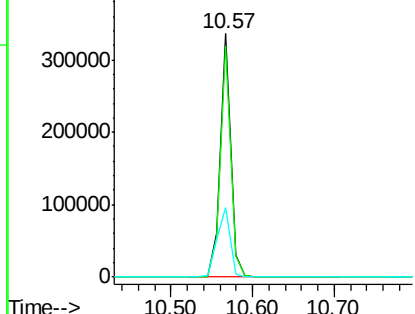
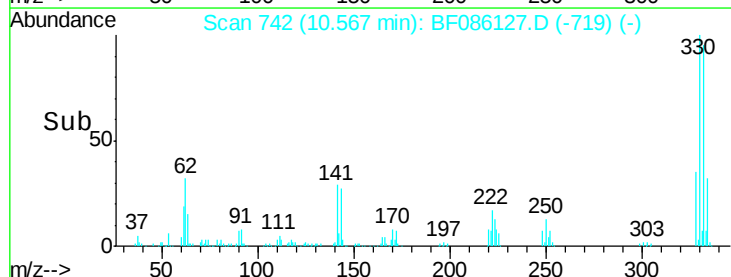


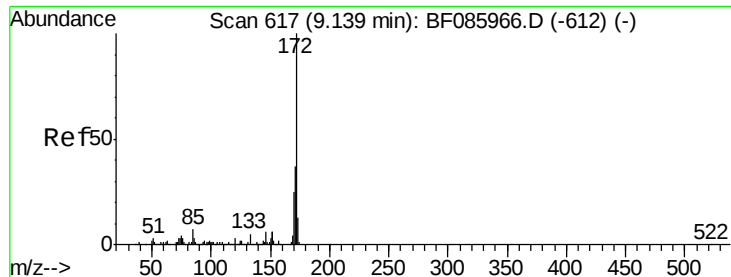
#41
 2,4,6-Tribromophenol
 Concen: 324.10 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086127.D
 Acq: 7 Apr 2016 12:52

Tgt Ion:330 Resp: 298231
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.2 117.2
 141 36.1 31.5 47.3



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





#44

2-Fluorobiphenyl

Concen: 226.06 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

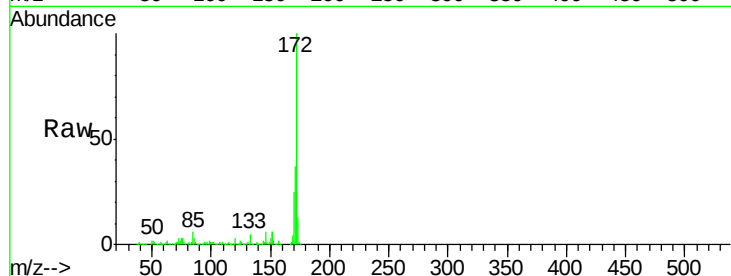
Tgt Ion:172 Resp: 1332959

Ion Ratio Lower Upper

172 100

171 37.0 29.4 44.2

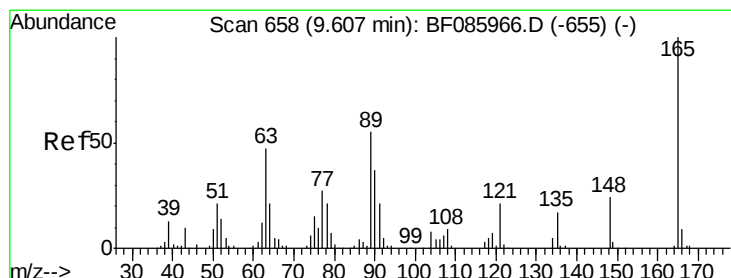
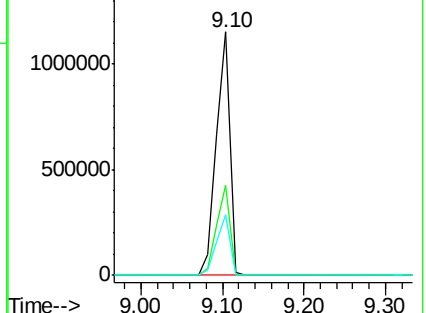
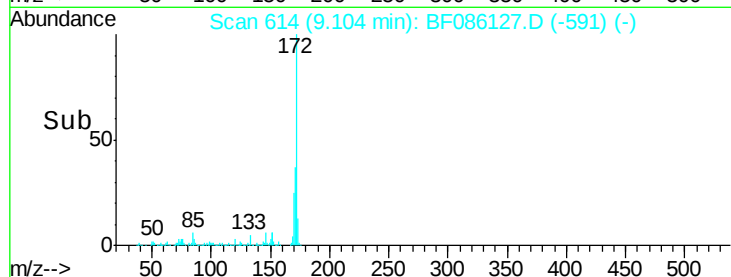
170 25.0 19.8 29.6



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



#50

2,6-Dinitrotoluene

Concen: 8.14 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.16 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

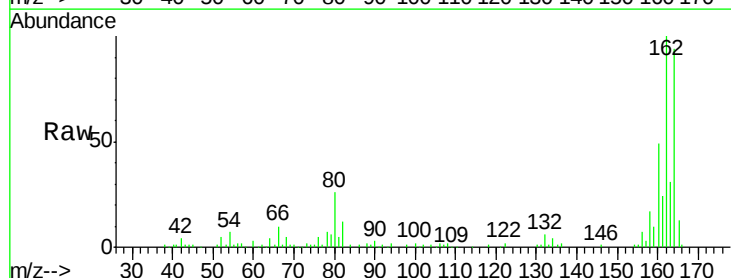
Tgt Ion:165 Resp: 12516

Ion Ratio Lower Upper

165 100

63 3.1 51.8 77.8#

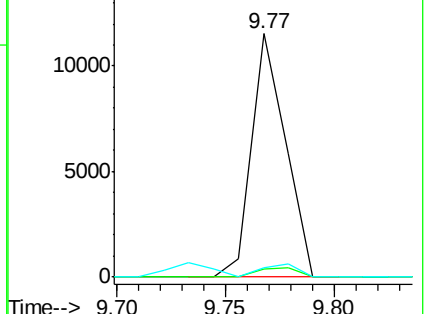
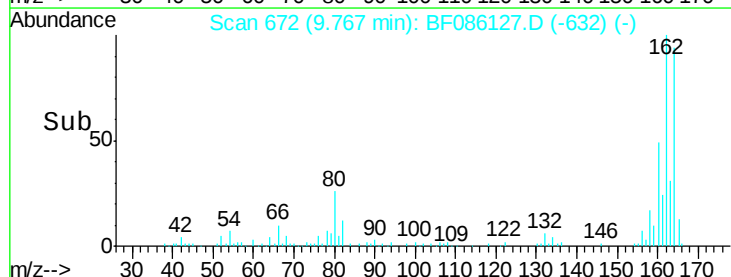
89 4.1 53.7 80.5#

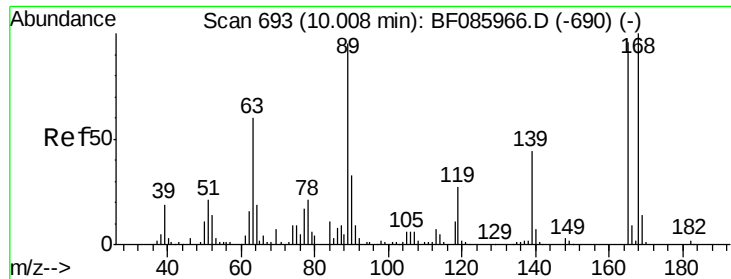


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.44 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.24 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

Tgt Ion:165 Resp: 12516

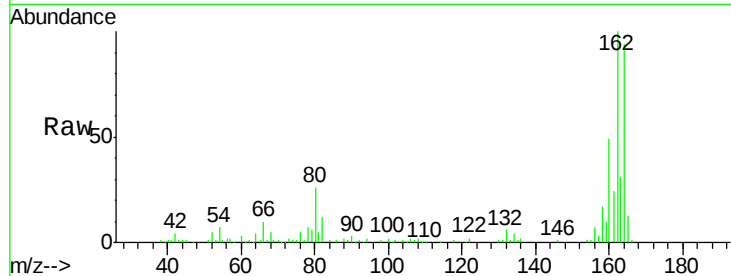
Ion Ratio Lower Upper

165 100

63 3.1 24.9 37.3#

89 4.1 41.0 61.6#

182 0.0 2.1 3.1#

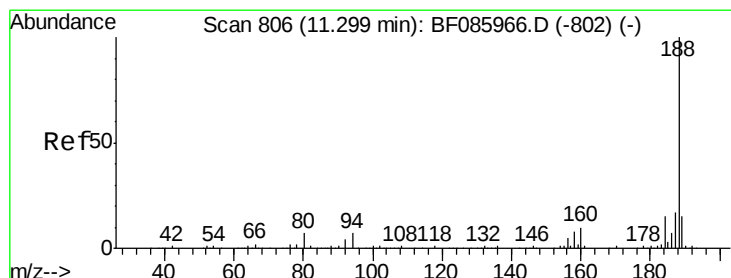
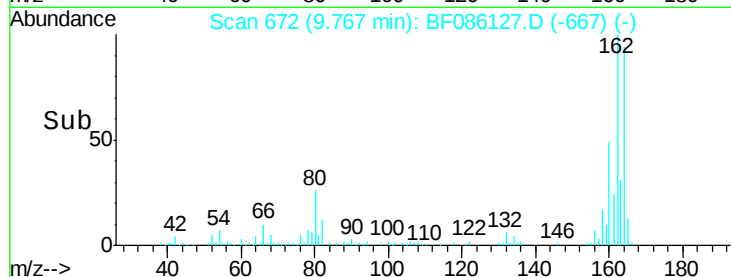
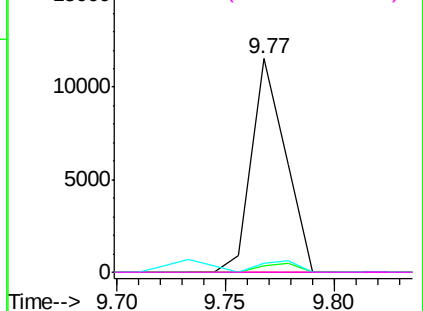


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

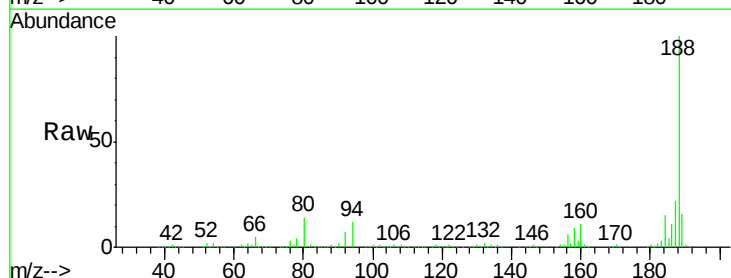
Tgt Ion:188 Resp: 312228

Ion Ratio Lower Upper

188 100

94 12.0 5.4 8.0#

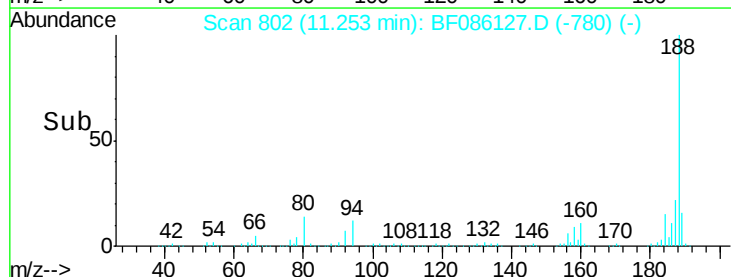
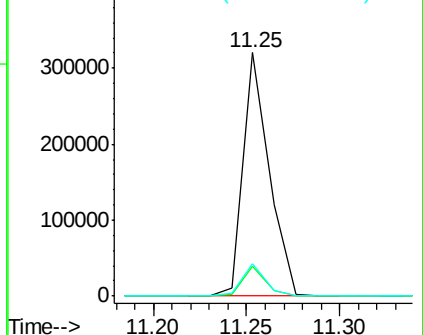
80 13.5 5.5 8.3#

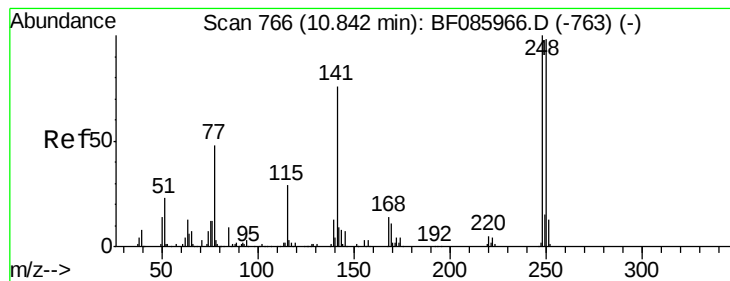


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 6.40 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.27 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

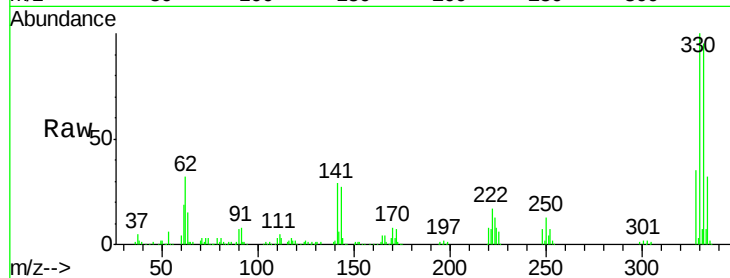
Tgt Ion:248 Resp: 20406

Ion Ratio Lower Upper

248 100

250 192.7 77.4 116.0#

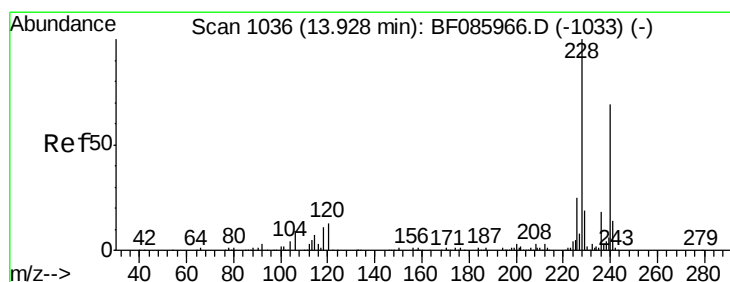
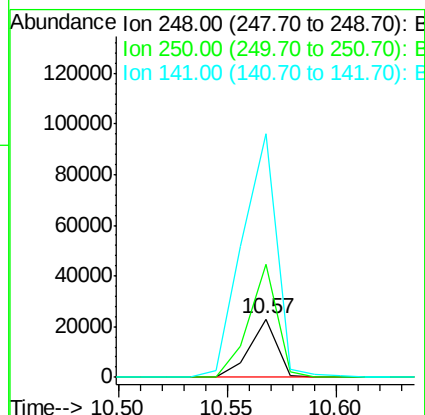
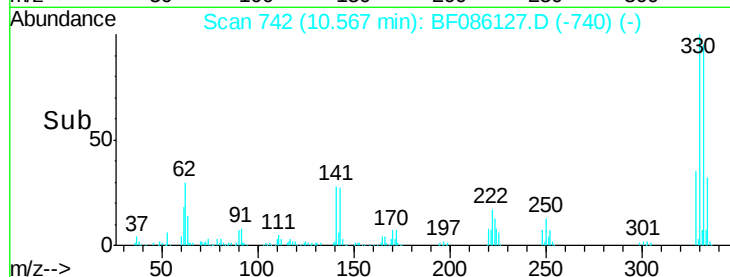
141 416.0 63.6 95.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

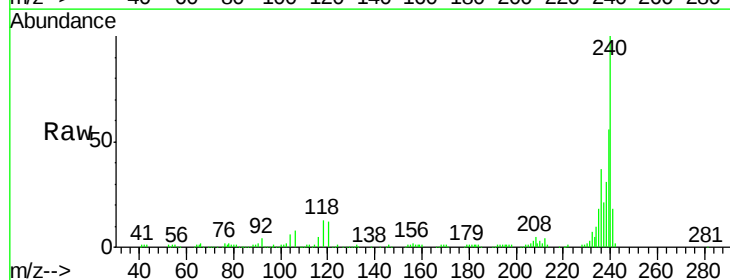
Tgt Ion:240 Resp: 113894

Ion Ratio Lower Upper

240 100

120 12.3 13.8 20.8#

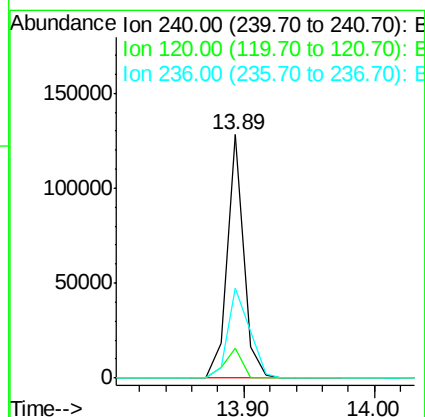
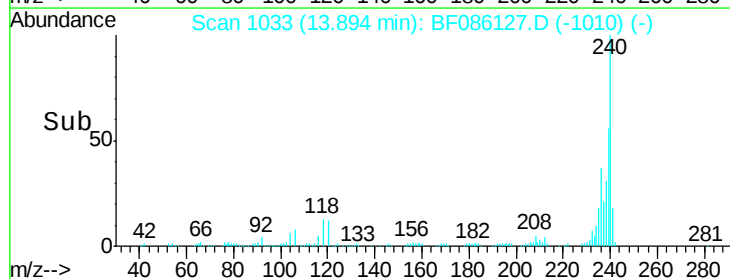
236 36.8 20.6 30.8#

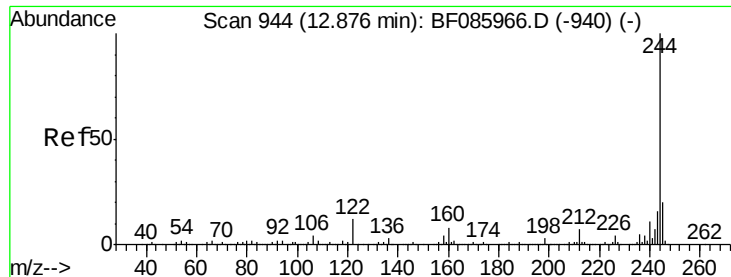


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 190.80 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER

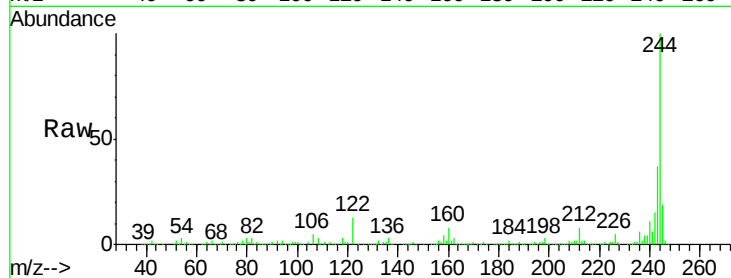
Tgt Ion:244 Resp: 924445

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

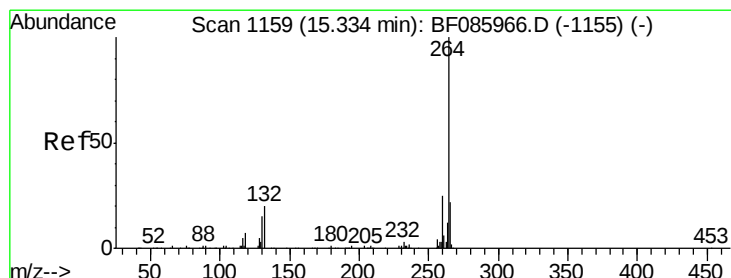
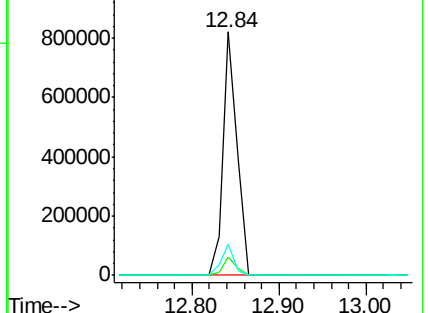
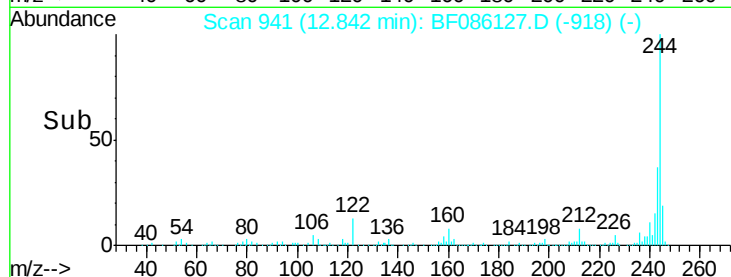
122 12.9 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086127.D

Acq: 7 Apr 2016 12:52

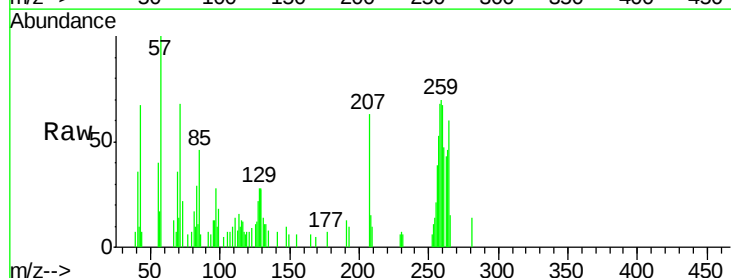
Tgt Ion:264 Resp: 4412

Ion Ratio Lower Upper

264 100

260 112.6 19.4 29.2#

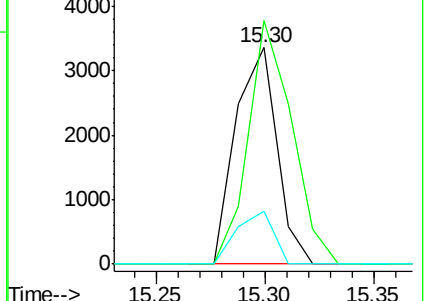
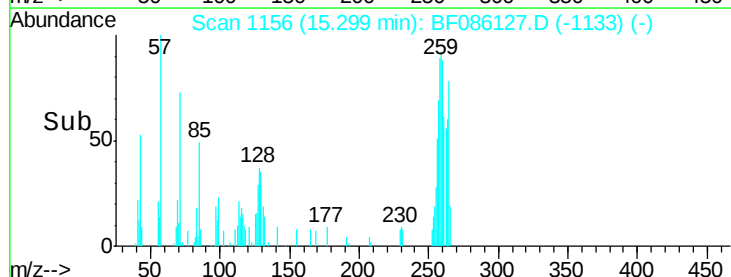
265 24.5 17.2 25.8

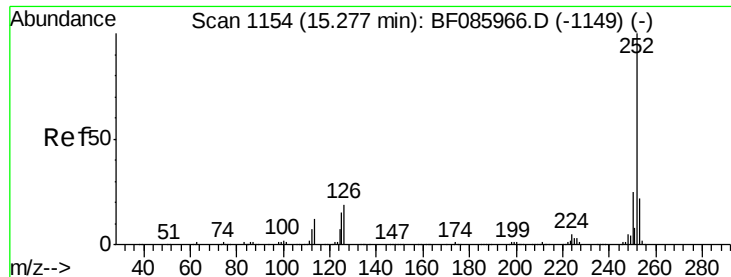


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 4.24 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.03 min

Lab File: BF086127.D

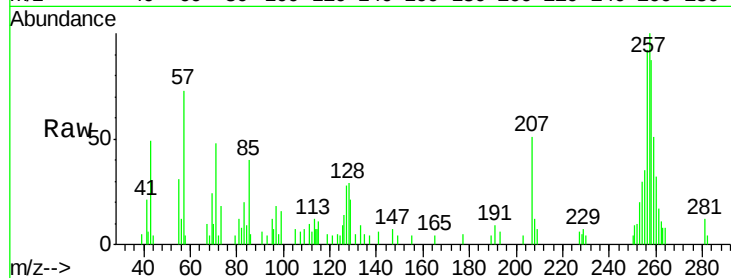
Acq: 7 Apr 2016 12:52

Instrument :

BNA_F

ClientSampleId :

PEN-IDW-040116-WATER



Tgt Ion:252 Resp: 1042

Ion Ratio Lower Upper

252 100

253 197.3 17.4 26.0#

125 91.6 10.3 15.5#

