

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100215\
 Data File : BF081987.D
 Acq On : 2 Oct 2015 19:04
 Operator : UM/IZ
 Sample : G3885-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Oct 05 06:33:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

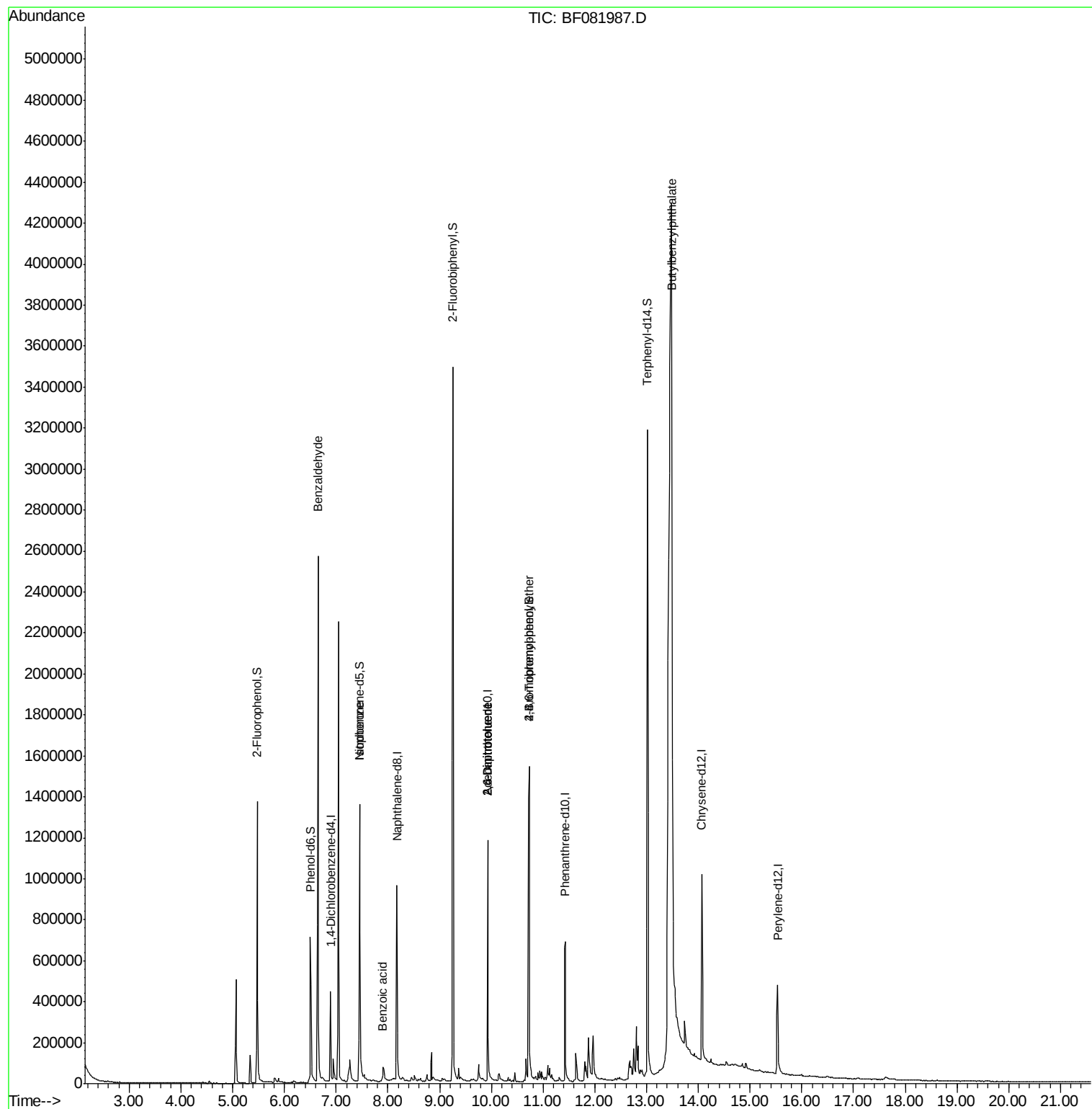
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	115839	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	473736	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	238014	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	450572	20.00	ng	-0.03
75) Chrysene-d12	14.07	240	403113	20.00	ng	-0.05
86) Perylene-d12	15.53	264	279750	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	425523	66.68	ng	-0.04
7) Phenol-d6	6.50	99	351699	43.80	ng	-0.06
23) Nitrobenzene-d5	7.45	82	634068	89.22	ng	-0.05
41) 2,4,6-Tribromophenol	10.73	330	314920	130.64	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1335481	96.38	ng	-0.05
78) Terphenyl-d14	13.02	244	1289225	113.61	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.65	77	16223	3.09	ng	# 64
25) Isophorone	7.45	82	580923	41.24	ng	# 58
32) Benzoic acid	7.90	122	10374	9.60	ng	# 67
50) 2,6-Dinitrotoluene	9.93	165	30256	8.48	ng	# 39
56) 2,4-Dinitrotoluene	9.93	165	30483	6.70	ng	# 34
57) Fluorene	10.72	166	12165	Below Cal	#	77
66) 4-Bromophenyl-phenylether	10.73	248	20677	4.55	ng	# 1
70) Phenanthrene	11.45	178	748	Below Cal	#	62
73) Di-n-butylphthalate	11.99	149	16290	Below Cal	#	97
79) Butylbenzylphthalate	13.49	149	51440	5.68	ng	# 31

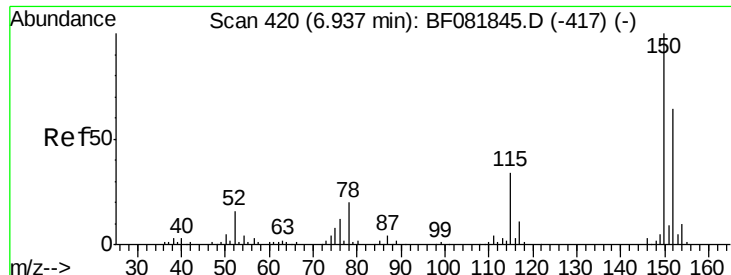
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

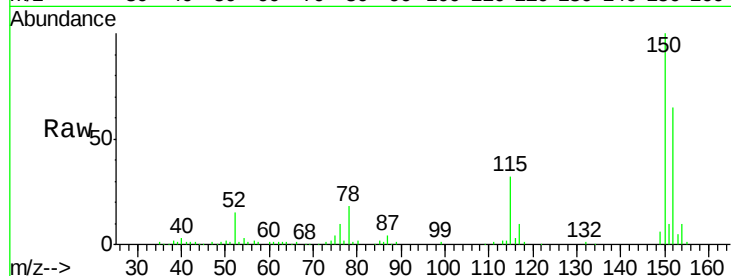
Tgt Ion:152 Resp: 115839

Ion Ratio Lower Upper

152 100

150 153.8 124.7 187.1

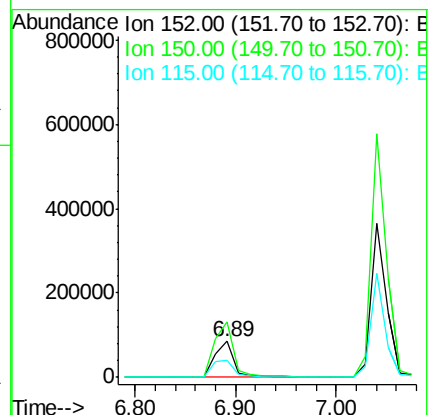
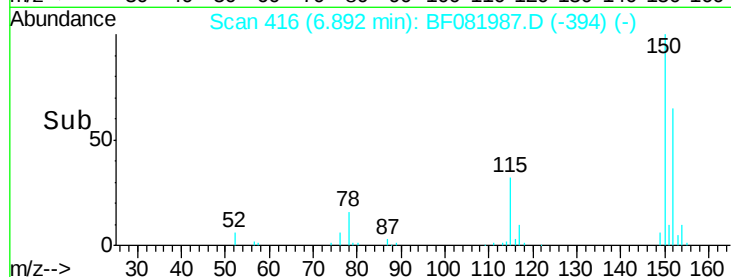
115 49.5 39.0 58.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 66.68 ng

RT: 5.47 min Scan# 292

Delta R.T. -0.04 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

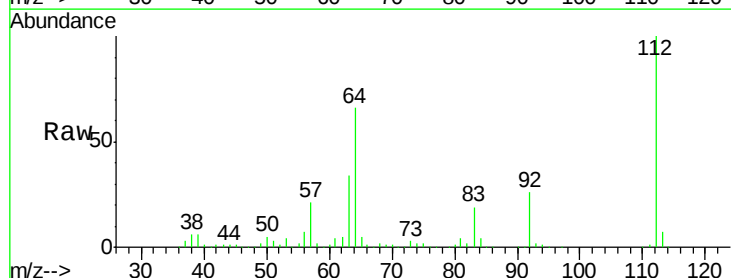
Tgt Ion:112 Resp: 425523

Ion Ratio Lower Upper

112 100

64 65.6 39.7 59.5#

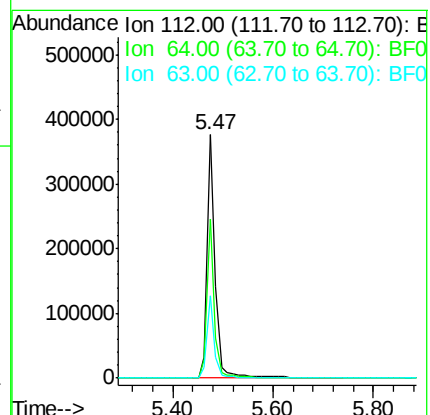
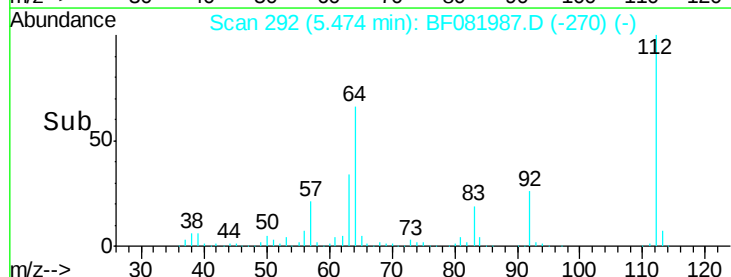
63 33.9 17.4 26.0#

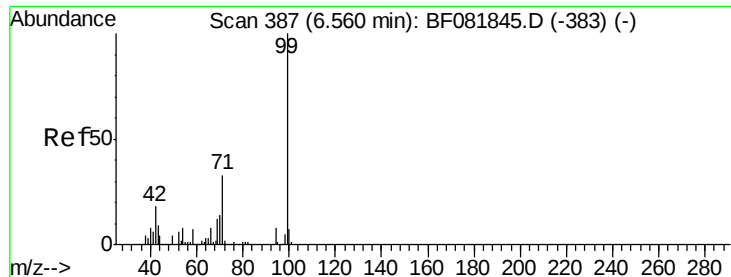


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.80 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

Instrument :

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ClientSampleId :

GROUNDWATER

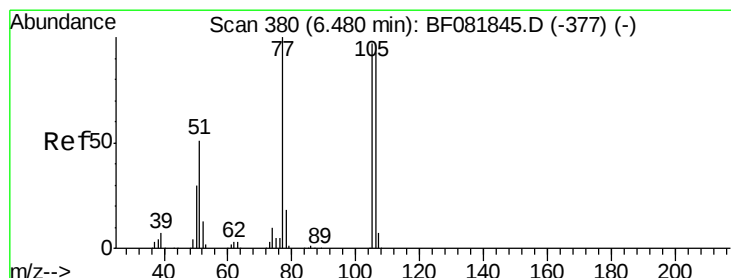
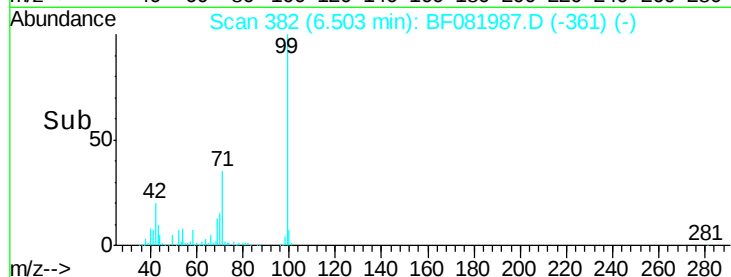
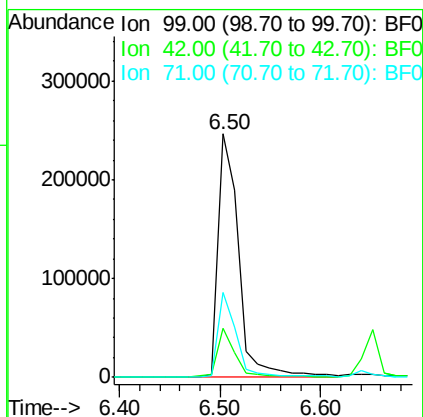
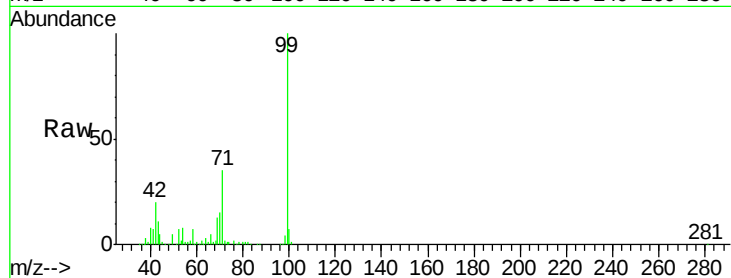
Tgt Ion: 99 Resp: 351699

Ion Ratio Lower Upper

99 100

42 20.3 13.7 20.5

71 34.9 14.2 21.2#



#9

Benzaldehyde

Concen: 3.09 ng

RT: 6.65 min Scan# 395

Delta R.T. 0.17 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

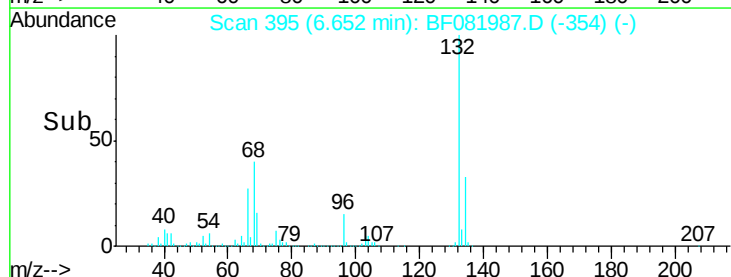
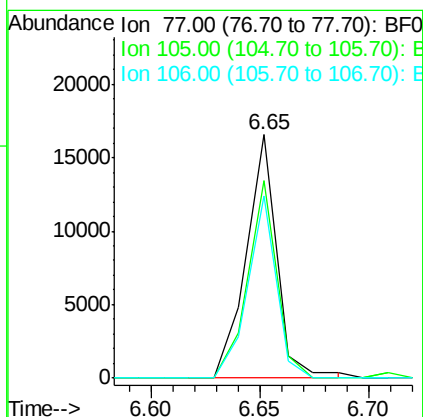
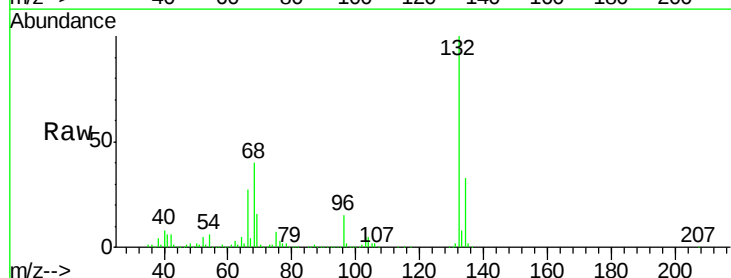
Tgt Ion: 77 Resp: 16223

Ion Ratio Lower Upper

77 100

105 81.0 91.6 131.6#

106 75.0 102.6 142.6#

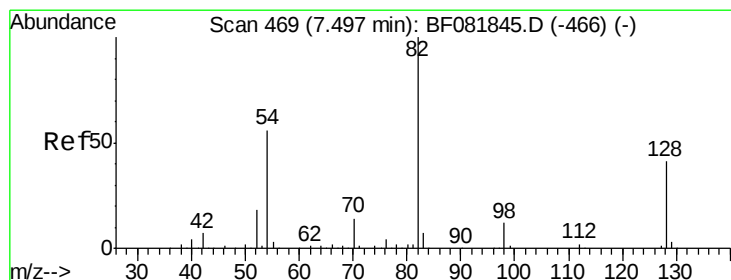
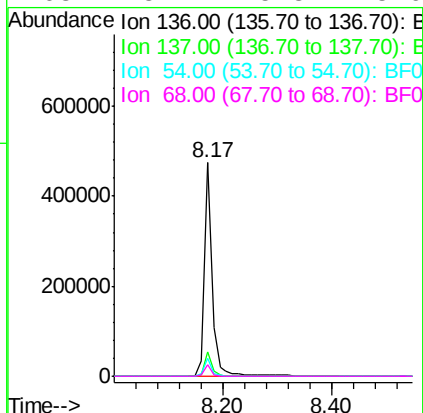
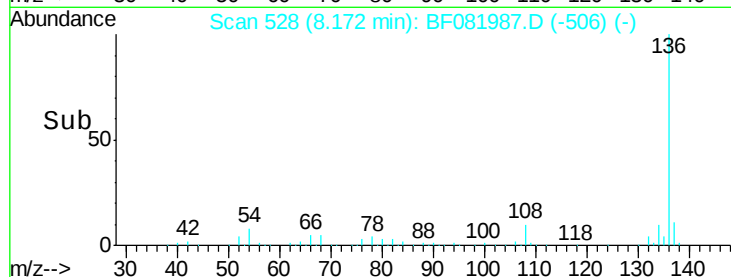
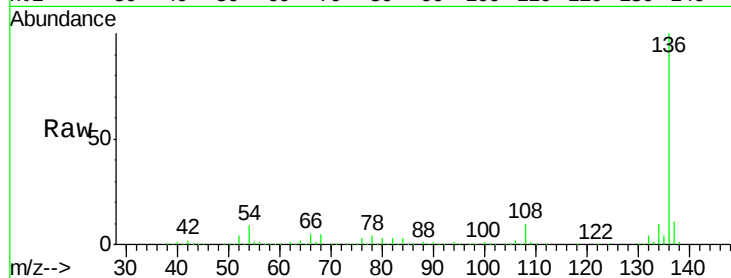




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF081987.D
Acq: 2 Oct 2015 19:04

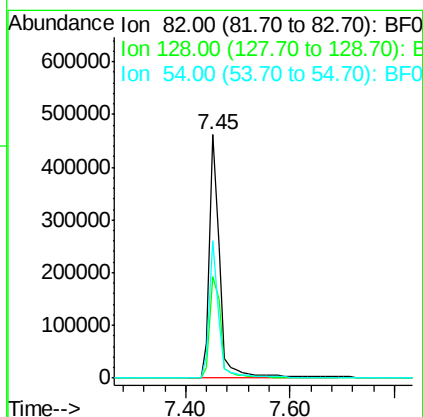
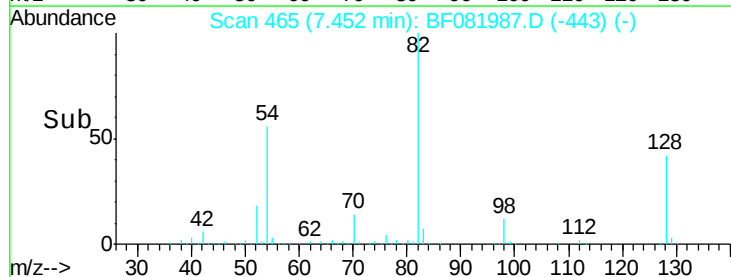
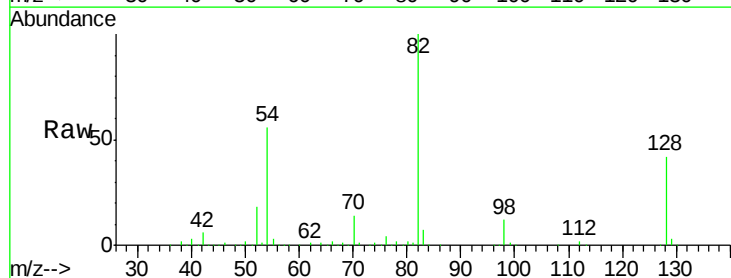
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

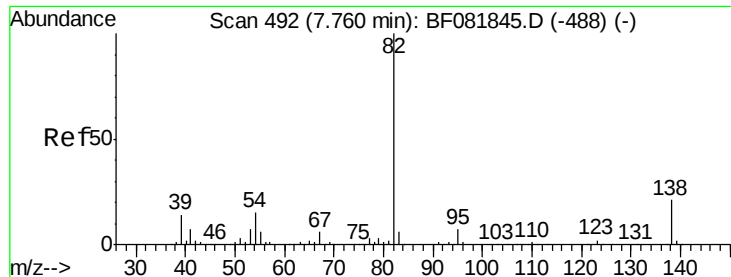
Tgt Ion:	136	Resp:	473736
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.5	8.2	12.2
68	5.4	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 89.22 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.05 min
Lab File: BF081987.D
Acq: 2 Oct 2015 19:04

Tgt Ion:	82	Resp:	634068
Ion	Ratio	Lower	Upper
82	100		
128	41.8	51.0	76.6#
54	56.4	47.5	71.3





#25

Isophorone

Concen: 41.24 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.31 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

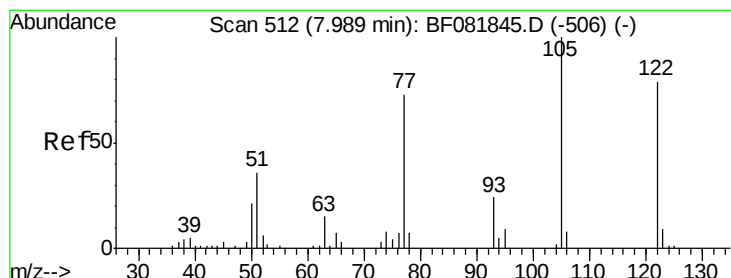
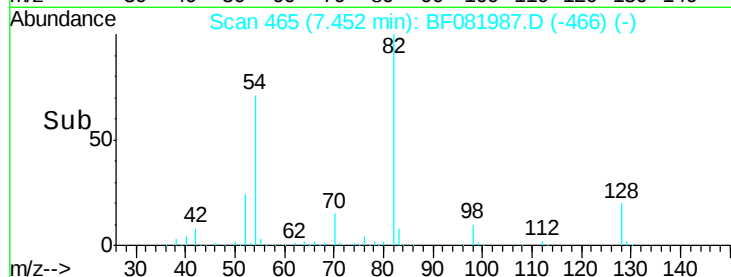
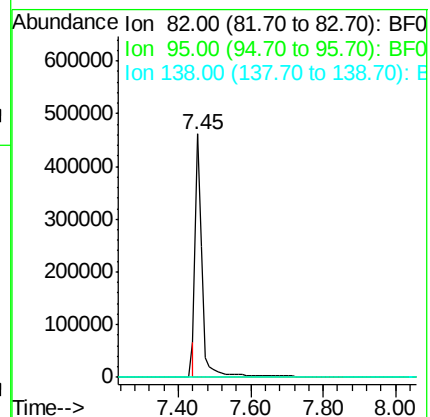
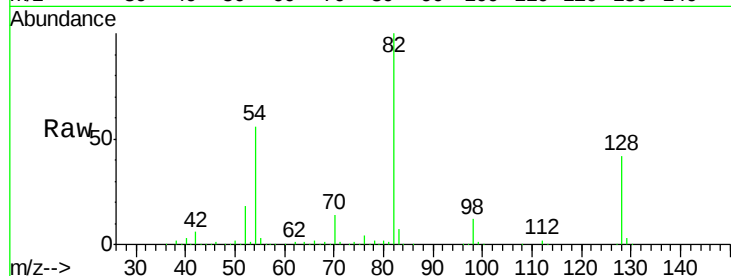
Tgt Ion: 82 Resp: 580923

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



#32

Benzoic acid

Concen: 9.60 ng

RT: 7.90 min Scan# 504

Delta R.T. -0.09 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

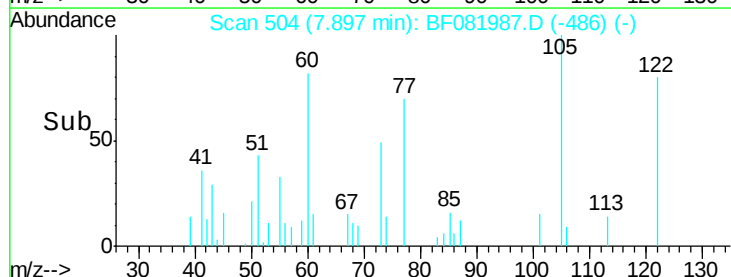
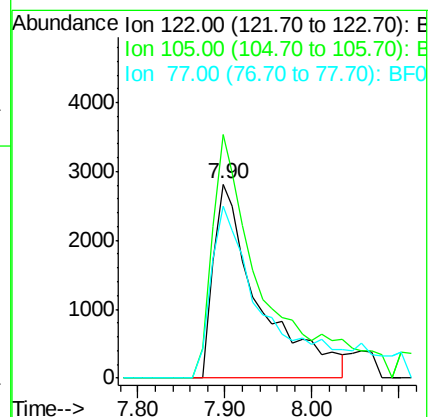
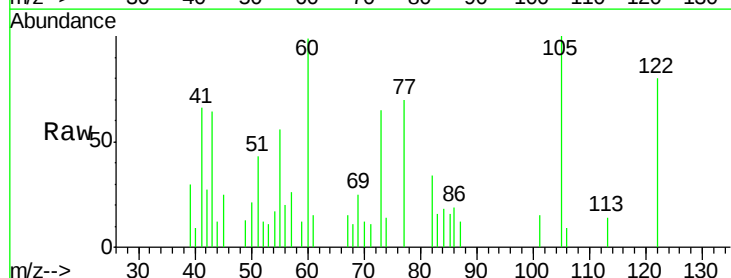
Tgt Ion: 122 Resp: 10374

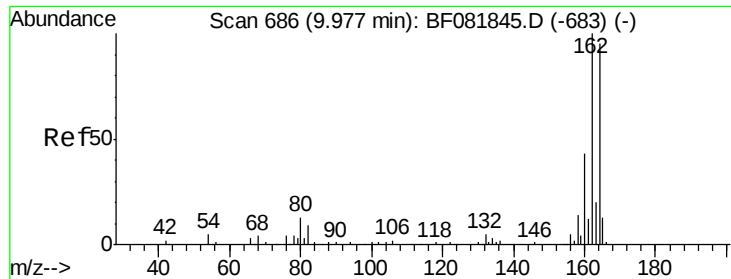
Ion Ratio Lower Upper

122 100

105 125.6 76.1 116.1#

77 88.4 40.5 80.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

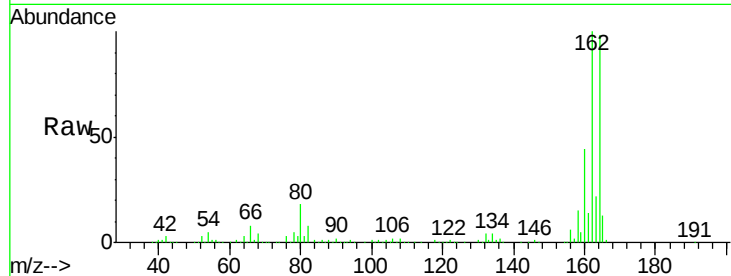
Tgt Ion:164 Resp: 238014

Ion Ratio Lower Upper

164 100

162 102.4 75.2 112.8

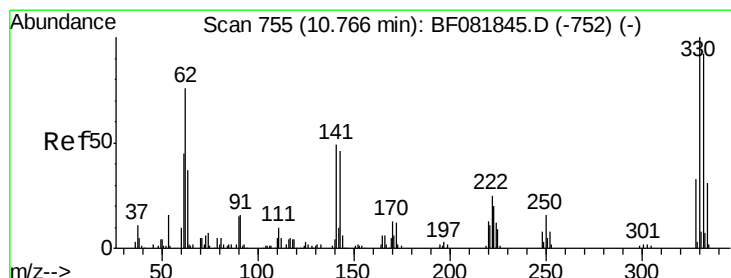
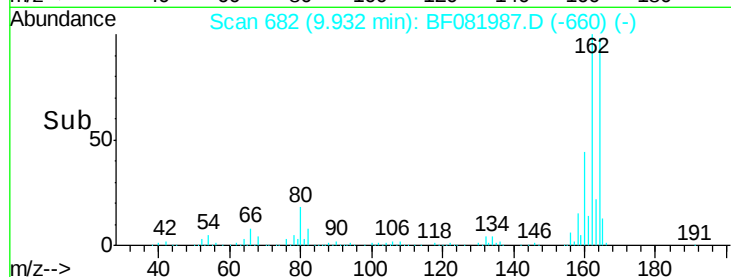
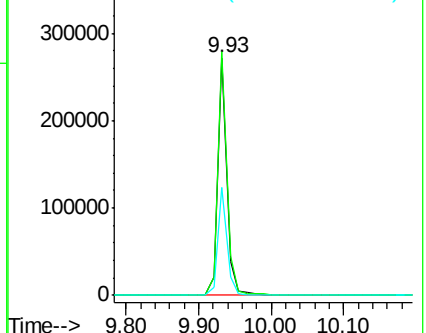
160 45.5 31.5 47.3



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



#41

2,4,6-Tribromophenol

Concen: 130.64 ng

RT: 10.73 min Scan# 752

Delta R.T. -0.03 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

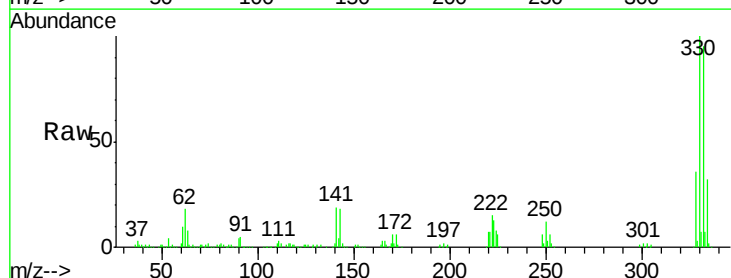
Tgt Ion:330 Resp: 314920

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

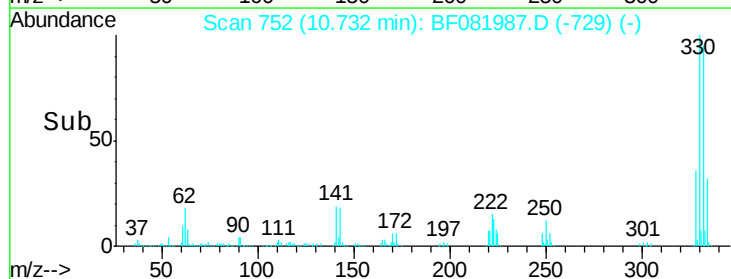
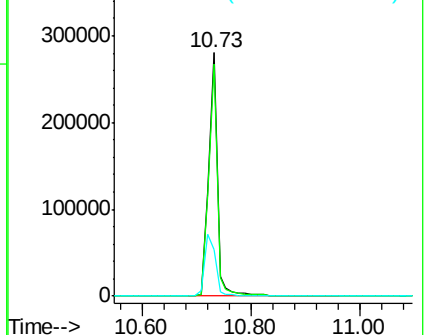
141 31.5 29.7 44.5

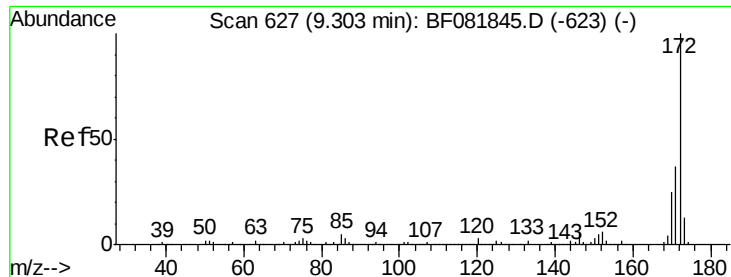


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

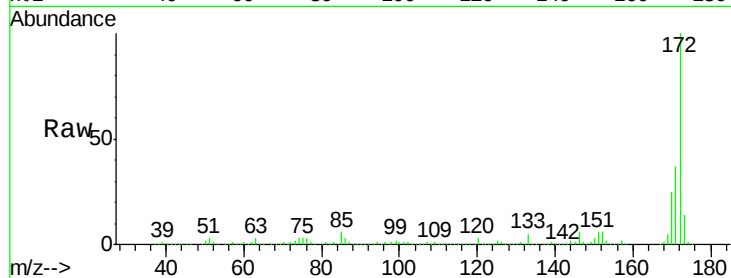




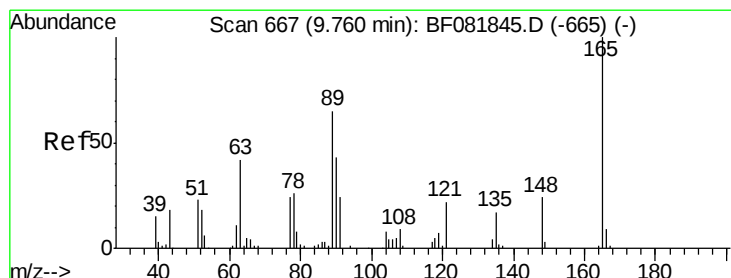
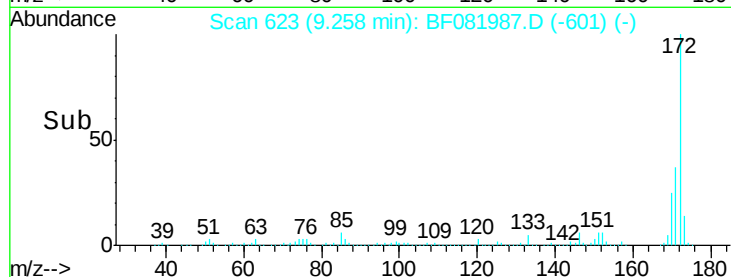
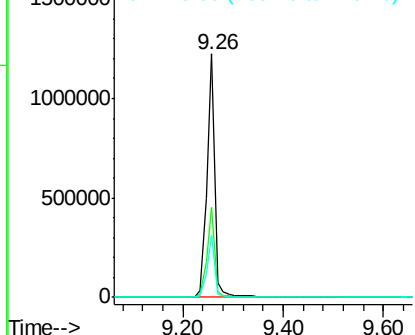
#44
 2-Fluorobiphenyl
 Concen: 96.38 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Instrument :
 BNA_F
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Tgt Ion:172 Resp: 1335481
 Ion Ratio Lower Upper
 172 100
 171 36.9 26.1 39.1
 170 25.3 17.4 26.2

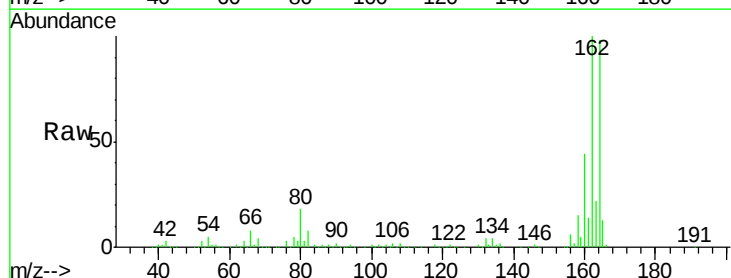


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

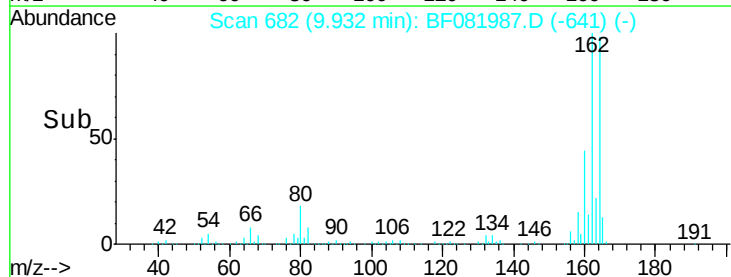
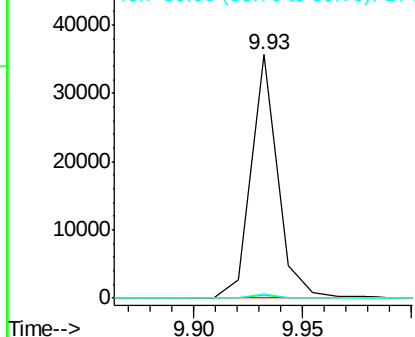


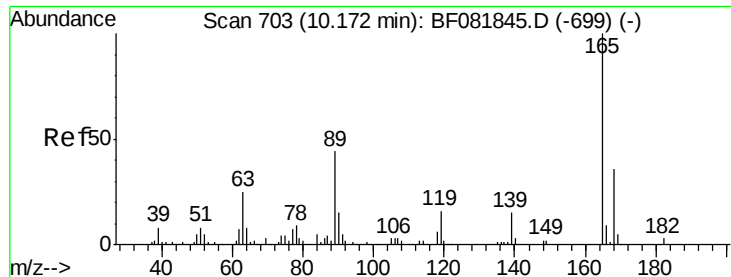
#50
 2,6-Dinitrotoluene
 Concen: 8.48 ng
 RT: 9.93 min Scan# 682
 Delta R.T. 0.17 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Tgt Ion:165 Resp: 30256
 Ion Ratio Lower Upper
 165 100
 63 1.4 32.3 48.5#
 89 1.5 28.6 43.0#



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

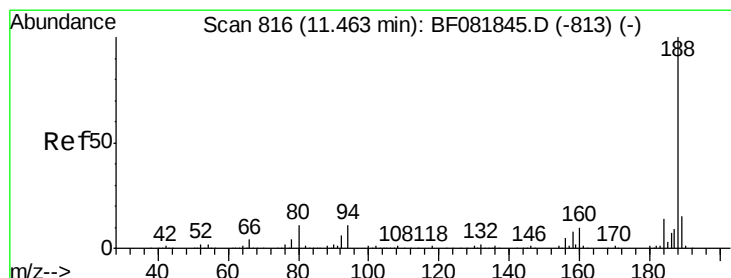
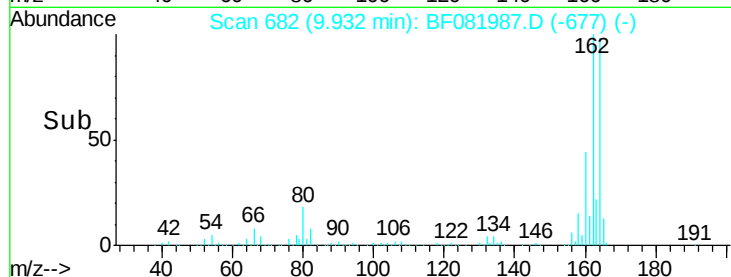
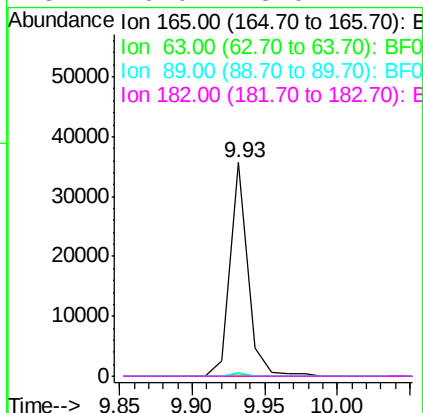
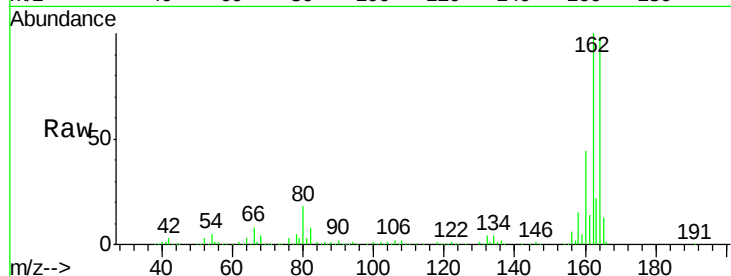




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.24 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

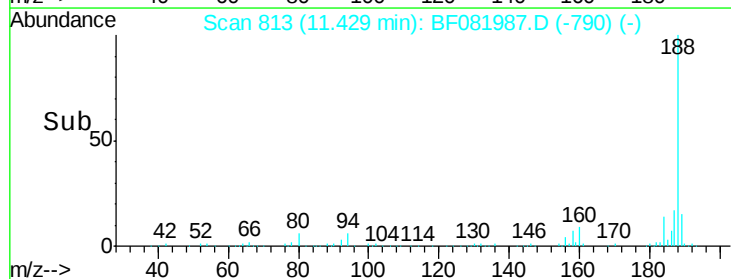
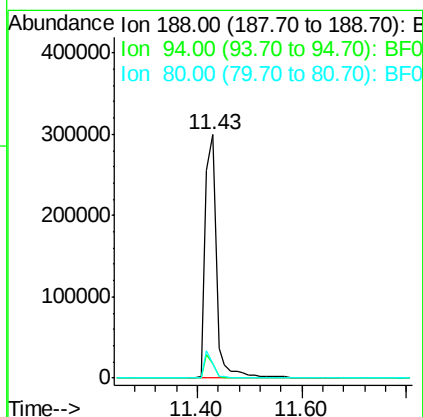
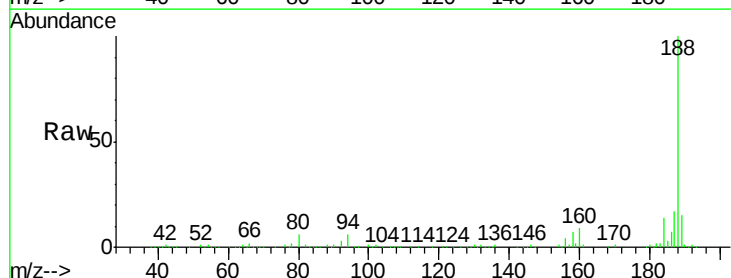
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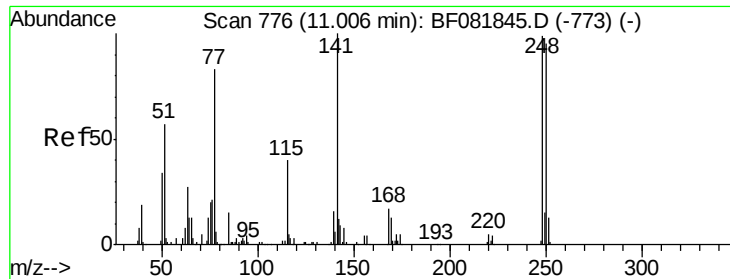
Tgt Ion:	165	Resp:	30483
Ion Ratio	Lower	Upper	
165	100		
63	1.4	29.8	44.6#
89	1.5	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 813
 Delta R.T. -0.03 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Tgt Ion:	188	Resp:	450572
Ion Ratio	Lower	Upper	
188	100		
94	6.0	11.1	16.7#
80	6.1	11.0	16.4#

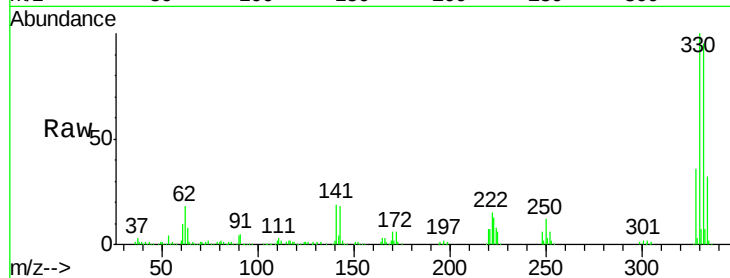




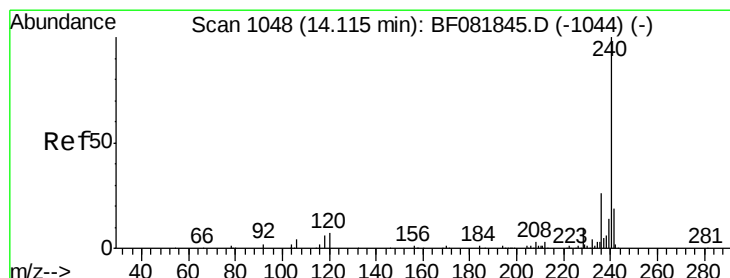
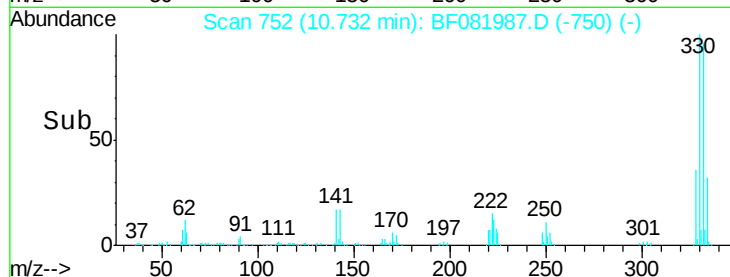
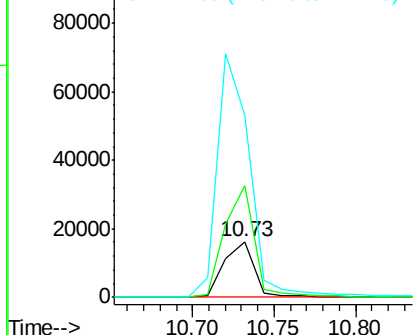
#66
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.27 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:248 Resp: 20677
 Ion Ratio Lower Upper
 248 100
 250 199.1 78.5 117.7#
 141 325.3 59.0 88.6#

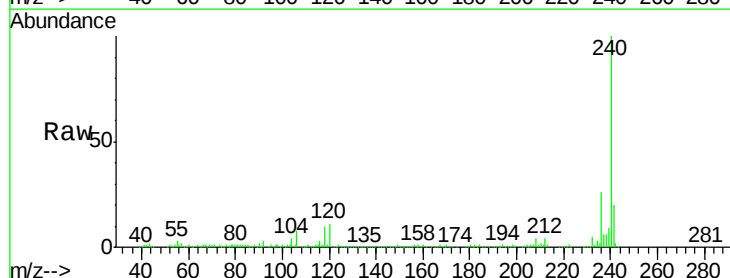


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

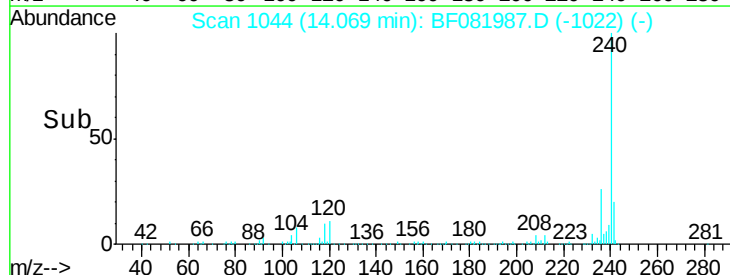
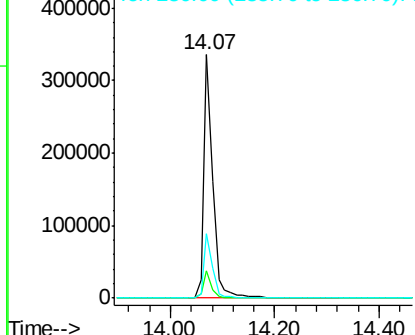


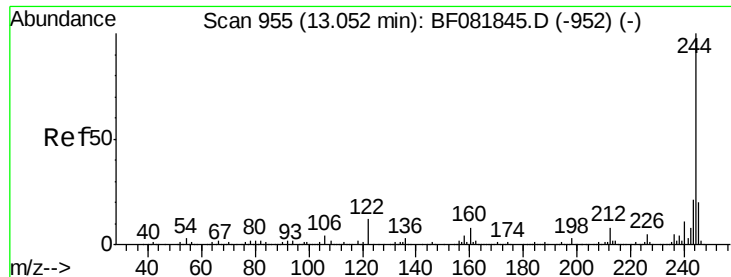
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. -0.05 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Tgt Ion:240 Resp: 403113
 Ion Ratio Lower Upper
 240 100
 120 11.3 16.2 24.2#
 236 26.5 18.4 27.6



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

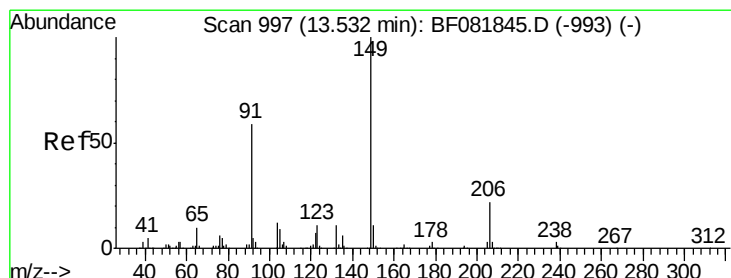
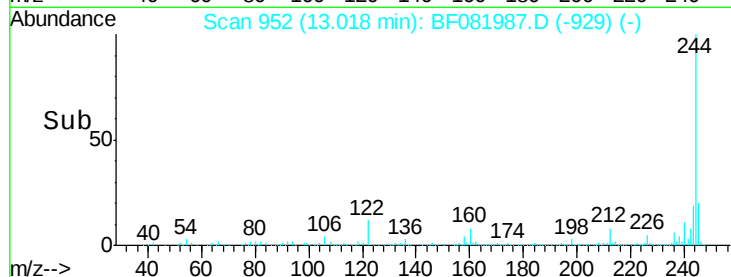
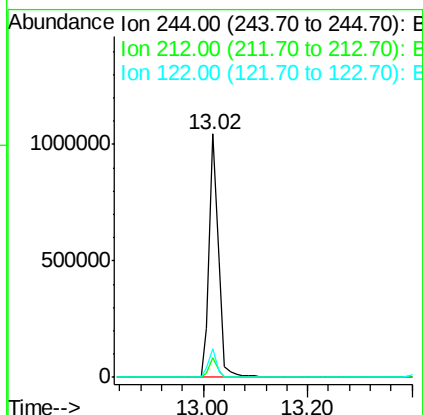
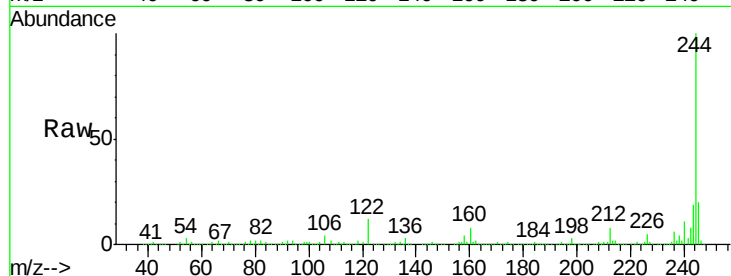




#78
 Terphenyl-d14
 Concen: 113.61 ng
 RT: 13.02 min Scan# 952
 Delta R.T. -0.03 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

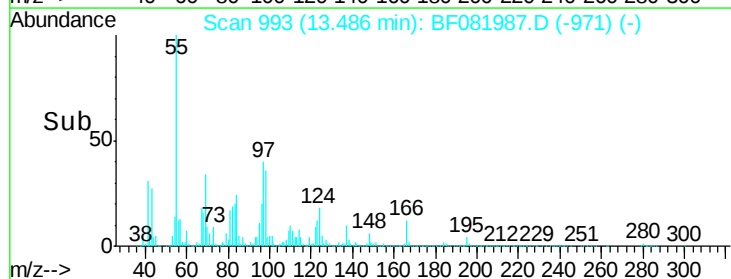
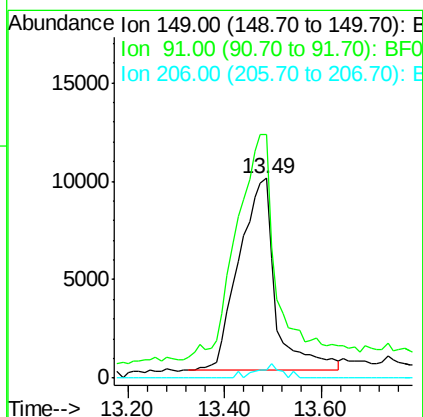
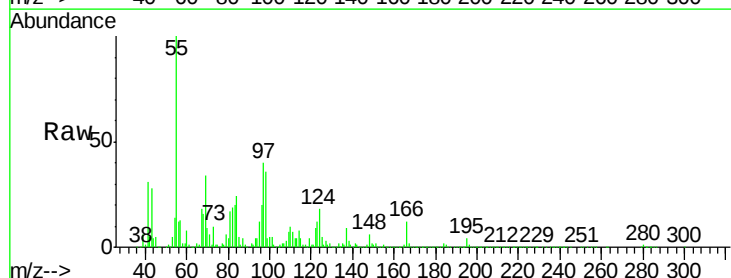
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

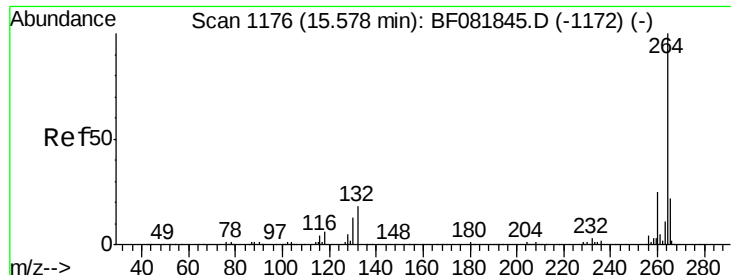
Tgt Ion:244 Resp: 1289225
 Ion Ratio Lower Upper
 244 100
 212 8.0 4.3 6.5#
 122 12.0 17.4 26.2#



#79
 Butylbenzylphthalate
 Concen: 5.68 ng
 RT: 13.49 min Scan# 993
 Delta R.T. -0.05 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Tgt Ion:149 Resp: 51440
 Ion Ratio Lower Upper
 149 100
 91 121.8 48.6 72.8#
 206 4.1 14.9 22.3#

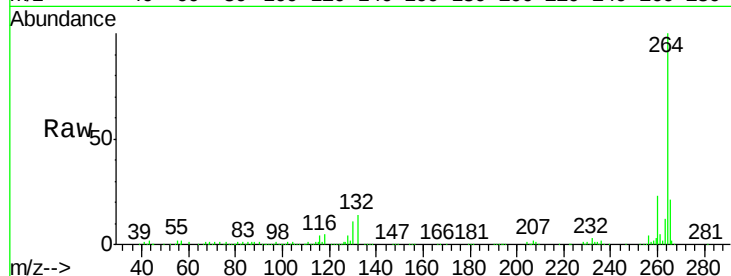




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF081987.D
Acq: 2 Oct 2015 19:04

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion: 264 Resp: 279750
Ion Ratio Lower Upper
264 100
260 23.4 16.7 25.1
265 20.9 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

