

Data Path : Z:\HPCHEM1\BNA F\Data\BF051816\
 Data File : BF087146.D
 Acq On : 18 May 2016 16:23
 Operator : UM/SJ
 Sample : H3136-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: May 18 17:08:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

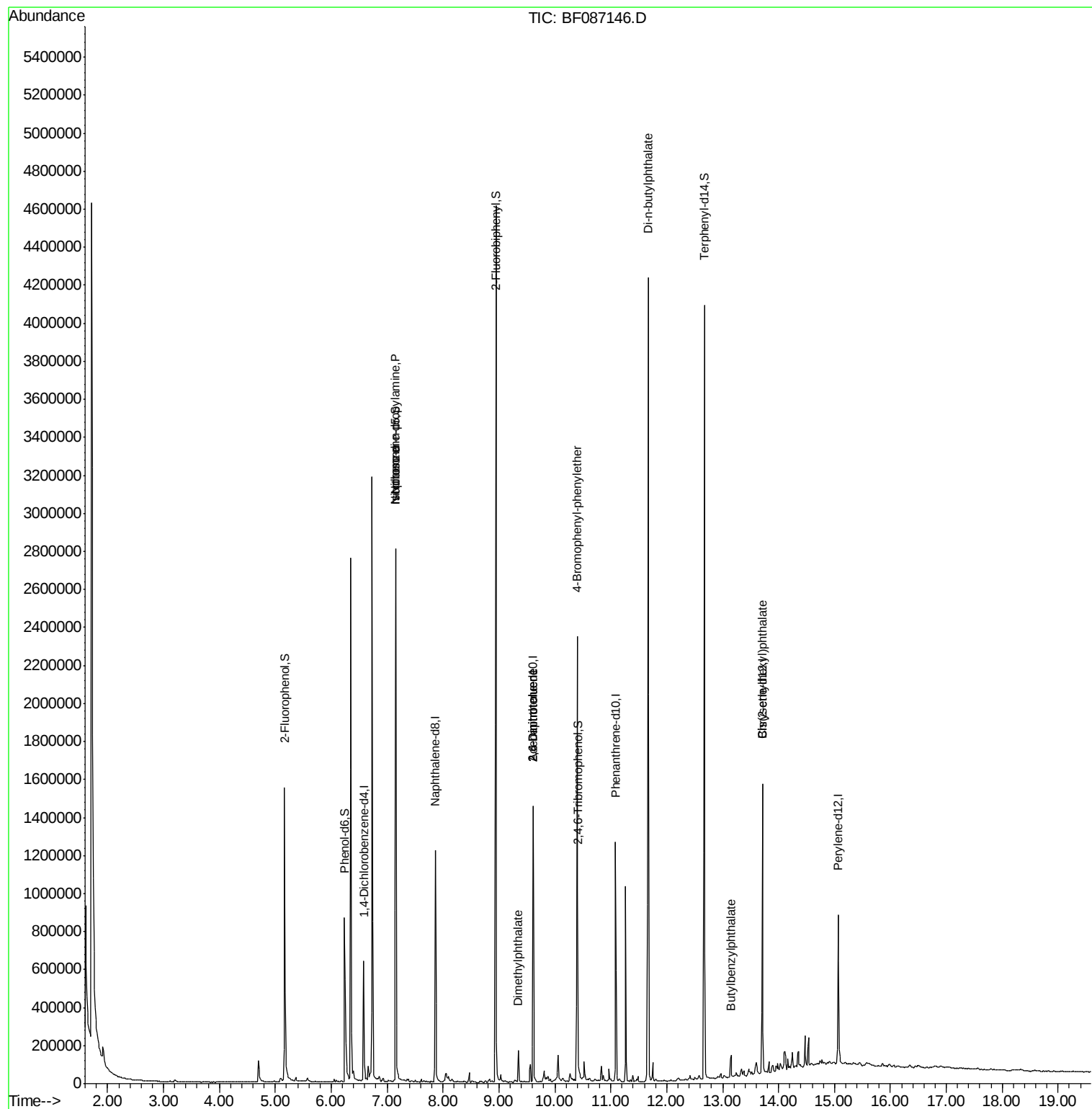
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	137214	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	558557	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	277346	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	506931	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	448315	20.00	ng	-0.05
86) Perylene-d12	15.06	264	370723	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	452792	55.47	ng	-0.03
7) Phenol-d6	6.24	99	384745	35.14	ng	-0.05
23) Nitrobenzene-d5	7.15	82	905130	80.76	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	330608	107.87	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1461289	87.26	ng	-0.03
78) Terphenyl-d14	12.67	244	1268965	64.03	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.25	77	1071	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	128981	15.50	ng	# 73
25) Isophorone	7.15	82	701619	34.20	ng	# 68
49) Dimethylphthalate	9.35	163	54319	2.57	ng	# 99
50) 2,6-Dinitrotoluene	9.61	165	35940	7.82	ng	# 20
56) 2,4-Dinitrotoluene	9.61	165	35942	6.11	ng	# 16
66) 4-Bromophenyl-phenylether	10.40	248	18722	3.59	ng	# 1
73) Di-n-butylphthalate	11.67	149	2611357	89.50	ng	# 97
79) Butylbenzylphthalate	13.15	149	33720	2.47	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.71	149	44485	2.67	ng	# 100

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

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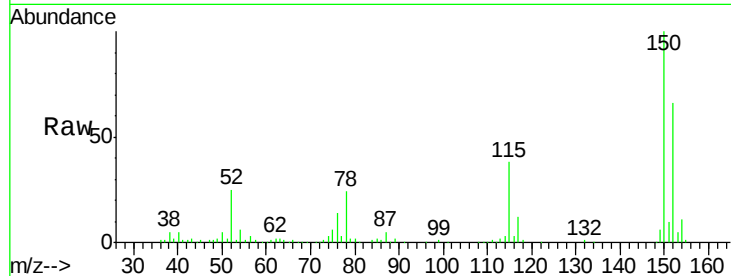


#1

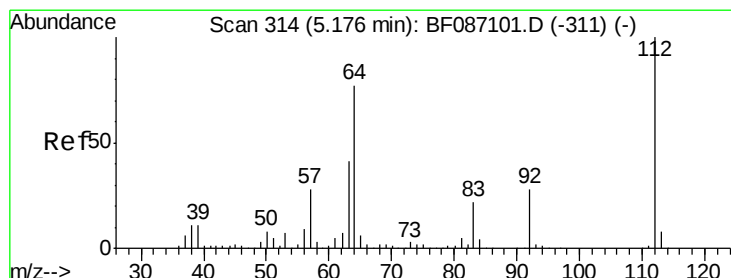
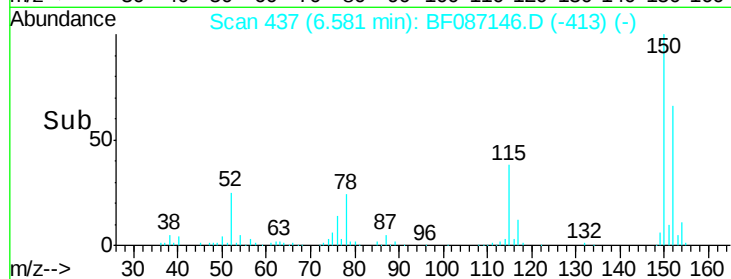
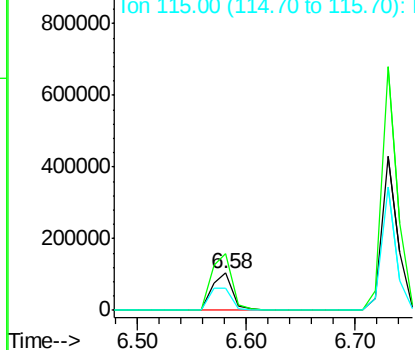
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion:152 Resp: 137214
 Ion Ratio Lower Upper
 152 100
 150 151.7 125.8 188.6
 115 57.9 51.5 77.3



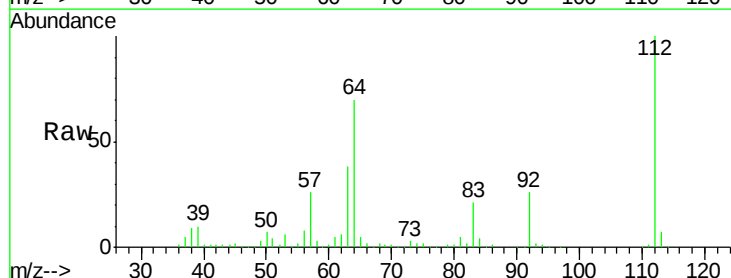
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



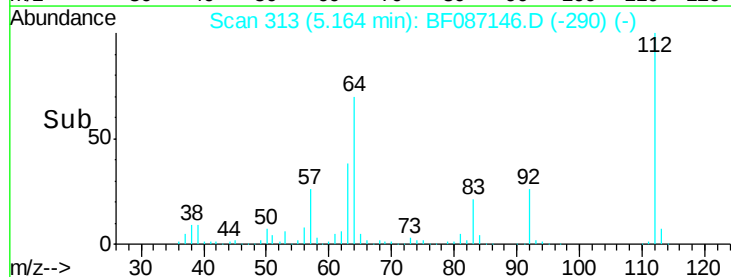
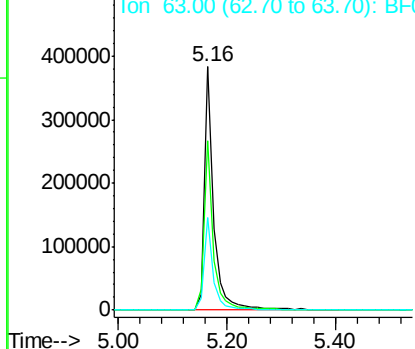
#5

2-Fluorophenol
 Concen: 55.47 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.03 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Tgt Ion:112 Resp: 452792
 Ion Ratio Lower Upper
 112 100
 64 69.7 52.1 78.1
 63 38.1 25.7 38.5



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: 35.14 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

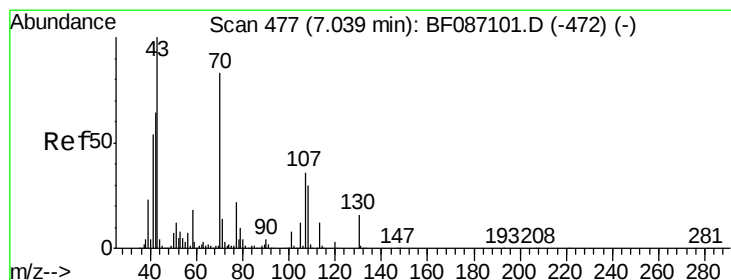
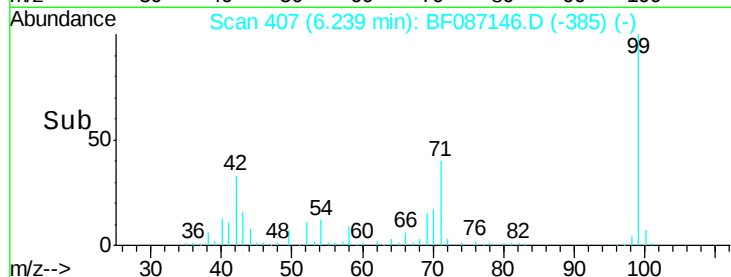
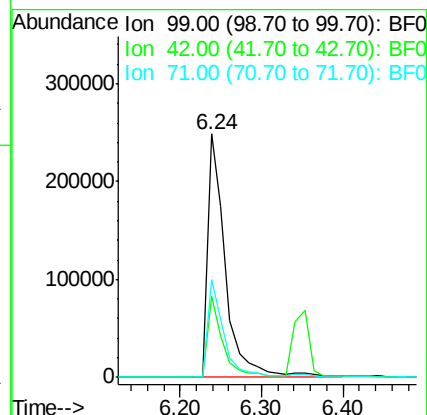
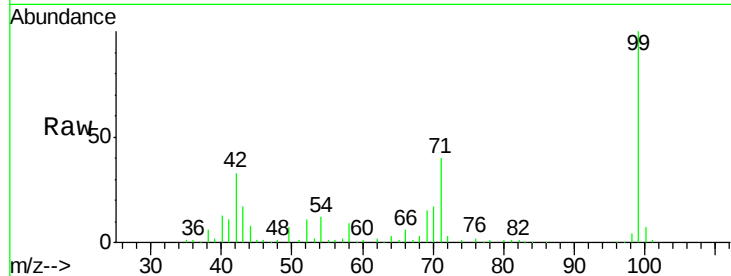
Tot Ion: 99 Resp: 384745

Ion Ratio Lower Upper

99 100

42 33.1 13.6 20.4#

71 40.3 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.50 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Tgt Ion: 70 Resp: 128981

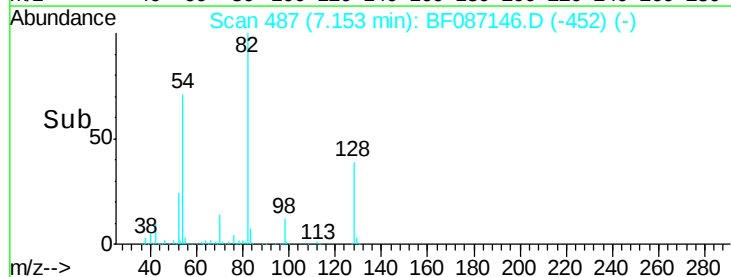
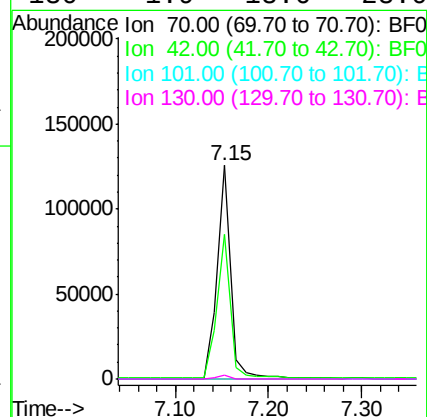
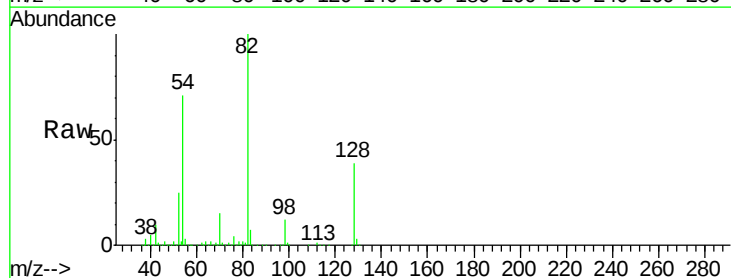
Ion Ratio Lower Upper

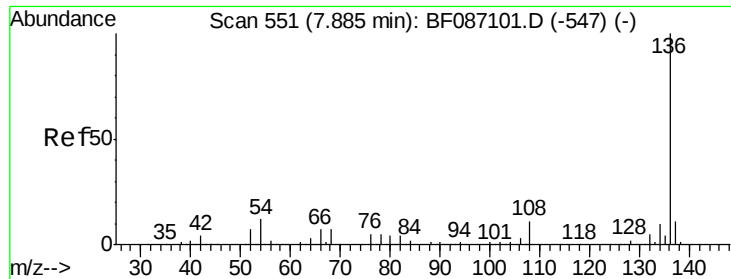
70 100

42 67.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

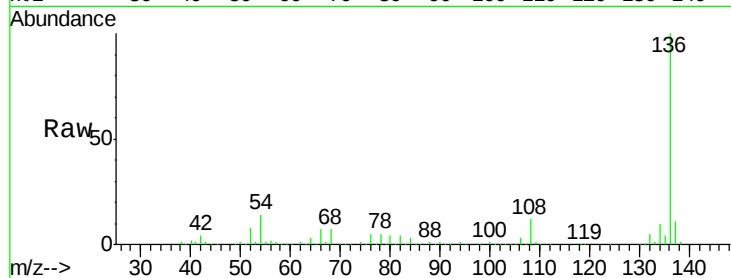




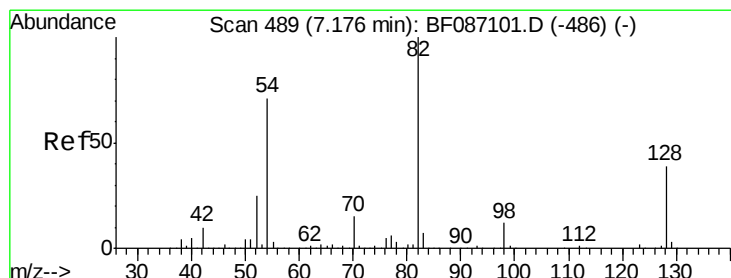
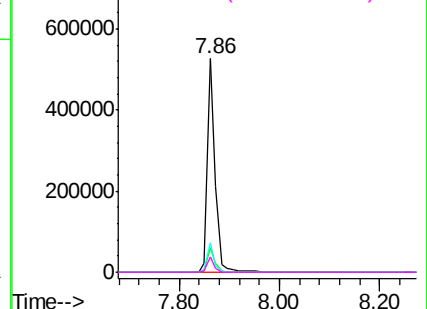
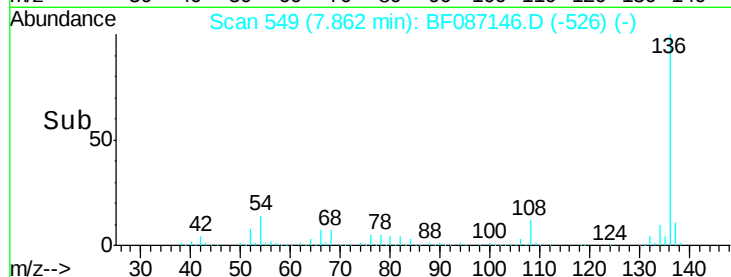
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion:	136	Resp:	558557
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.8	5.0	7.4#
68	7.2	4.4	6.6#

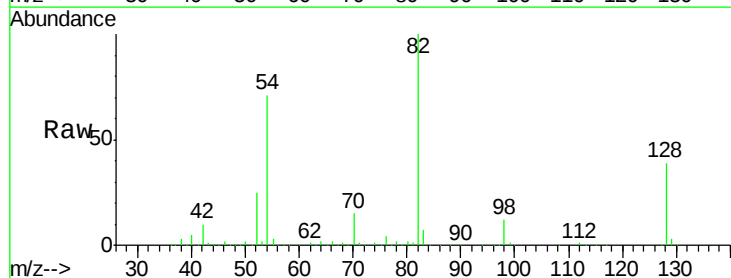


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

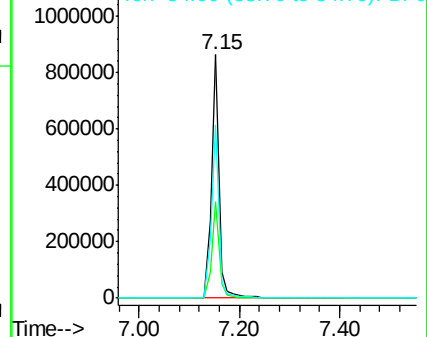
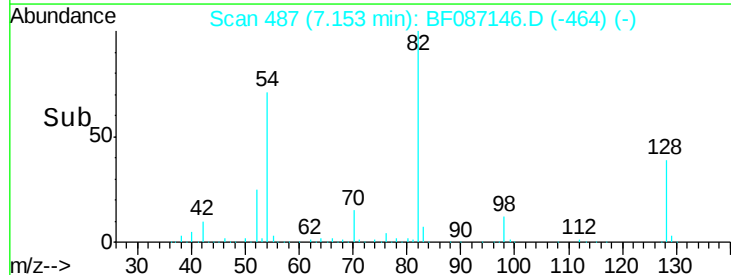


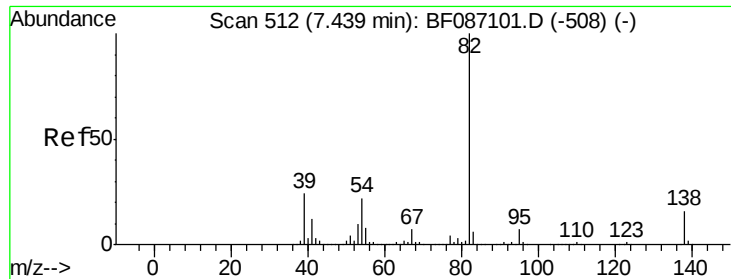
#23
Nitrobenzene-d5
Concen: 80.76 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

Tgt Ion:	82	Resp:	905130
Ion	Ratio	Lower	Upper
82	100		
128	39.4	40.6	61.0#
54	71.1	38.1	57.1#



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





#25

Isophorone

Concen: 34.20 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

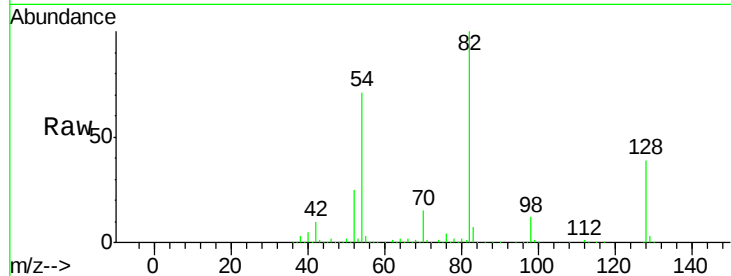
Tot Ion: 82 Resp: 701619

Ion Ratio Lower Upper

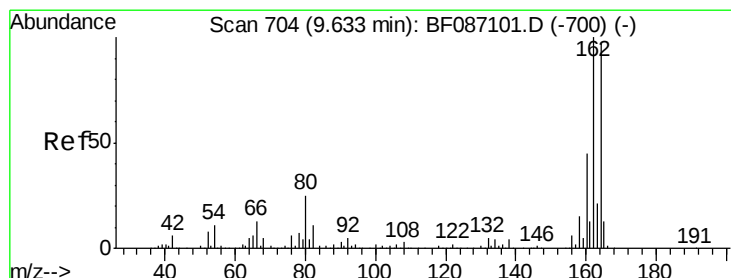
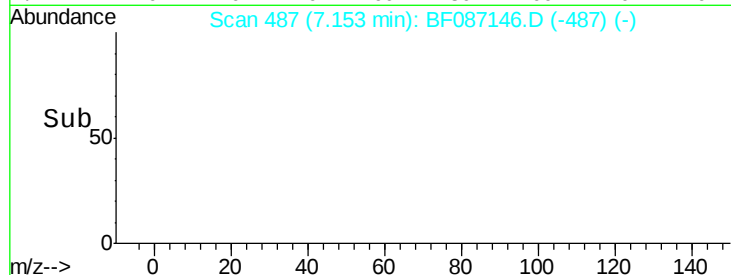
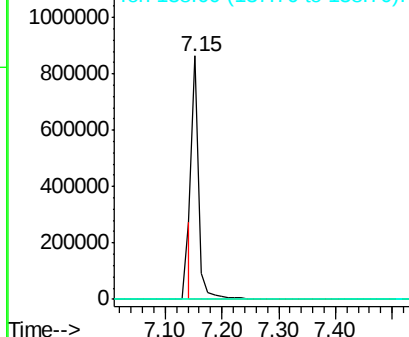
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

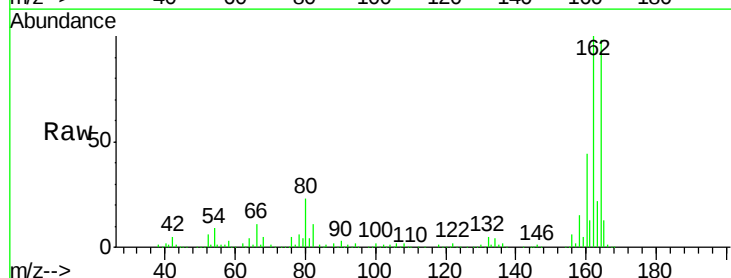
Tgt Ion:164 Resp: 277346

Ion Ratio Lower Upper

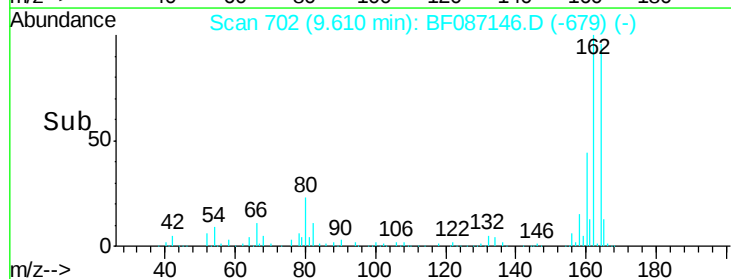
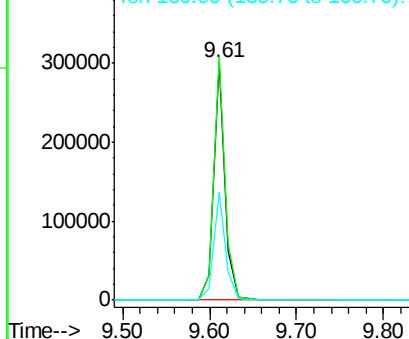
164 100

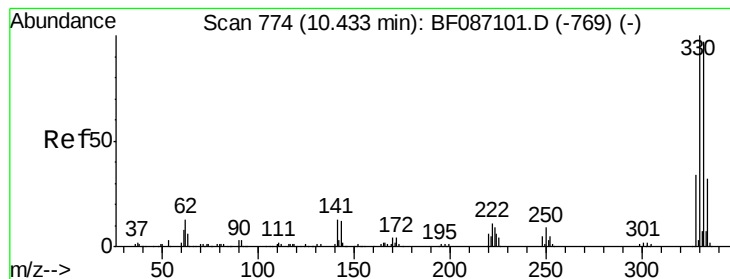
162 102.4 82.8 124.2

160 45.4 36.9 55.3



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

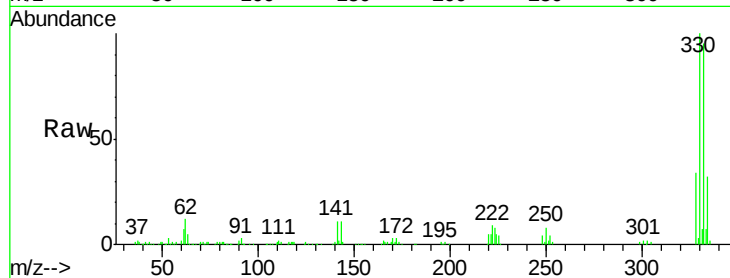




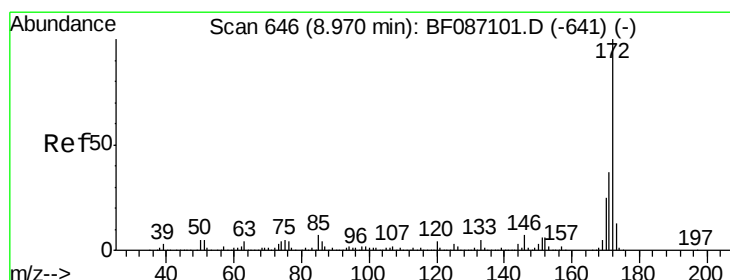
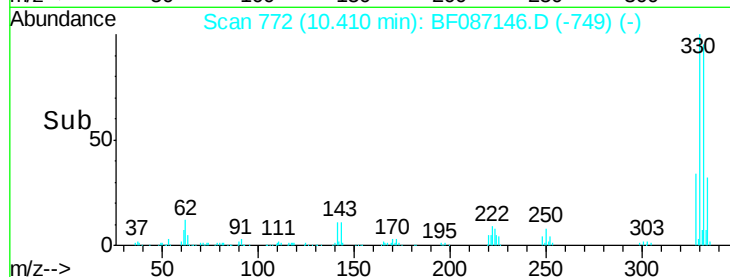
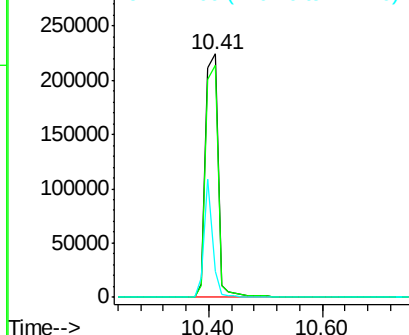
#41
 2,4,6-Tribromophenol
 Concen: 107.87 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.03 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.0	118.4
141	33.1	31.2	46.8

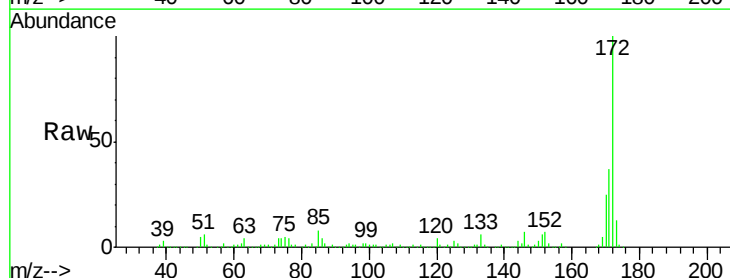


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

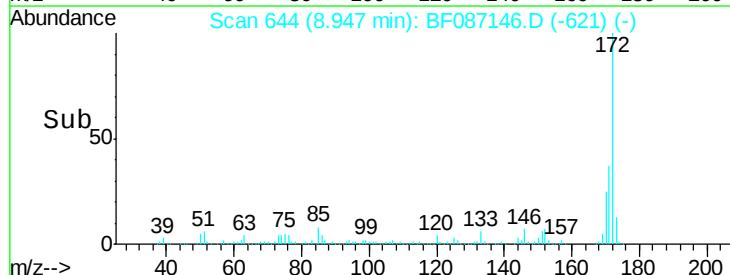
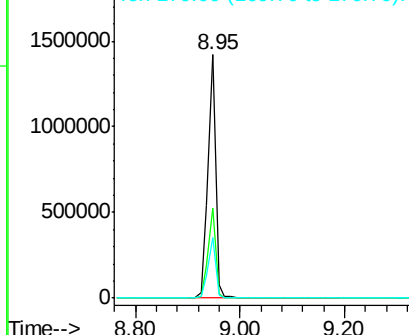


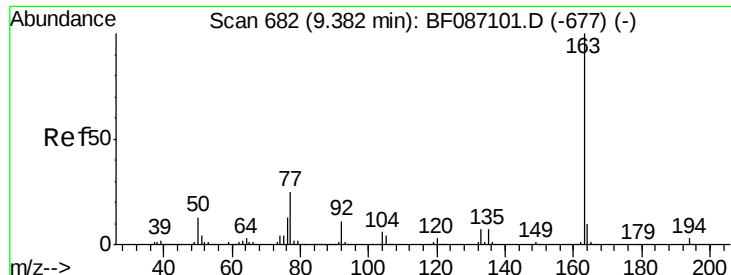
#44
 2-Fluorobiphenyl
 Concen: 87.26 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.9	19.8	29.8



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

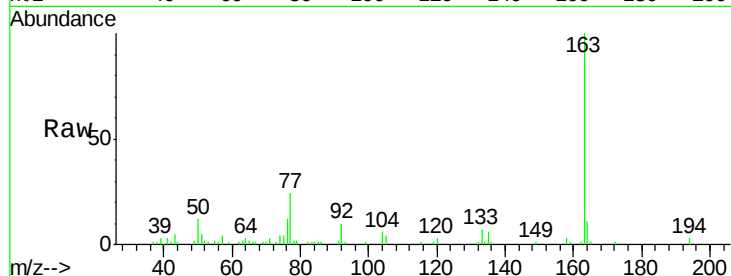




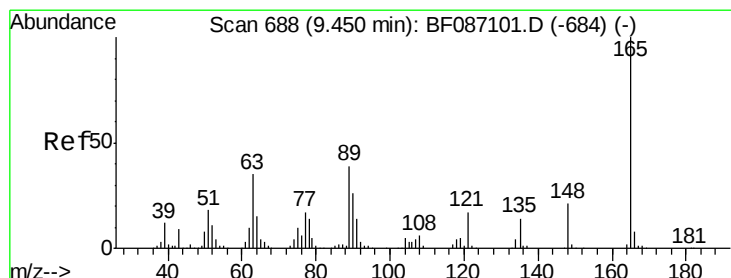
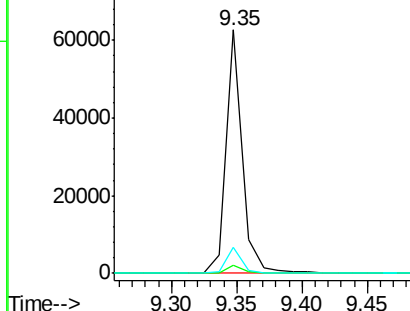
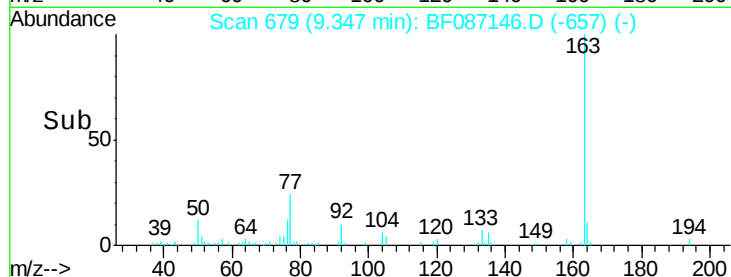
#49
Dimethylphthalate
Concen: 2.57 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion:163 Resp: 54319
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.6 8.2 12.4

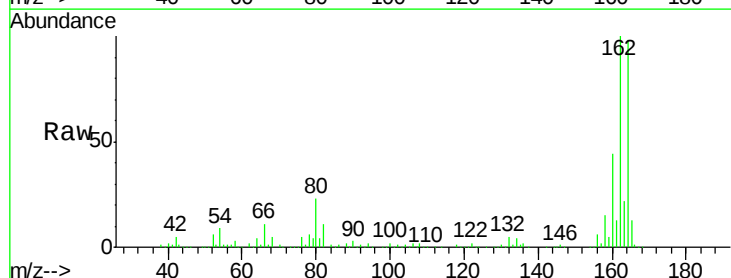


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

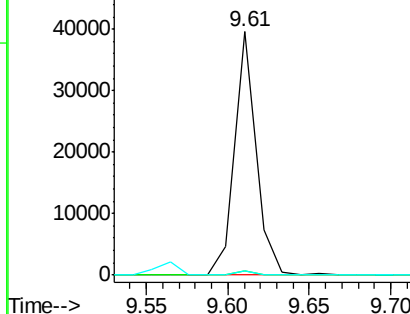
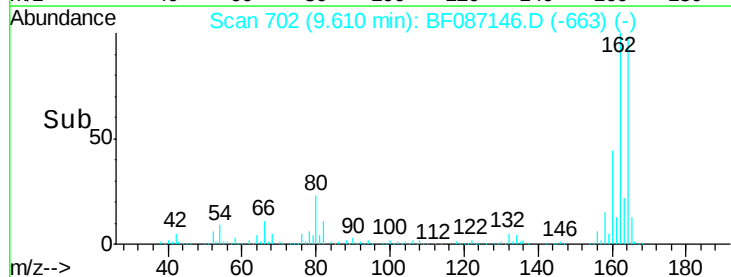


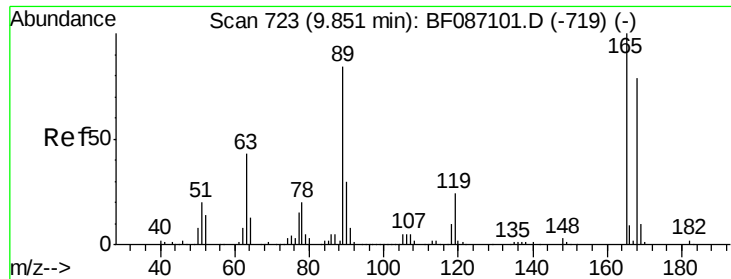
#50
2,6-Dinitrotoluene
Concen: 7.82 ng
RT: 9.61 min Scan# 702
Delta R.T. 0.15 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

Tgt Ion:165 Resp: 35940
Ion Ratio Lower Upper
165 100
63 1.9 51.8 77.8#
89 1.7 50.7 76.1#



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

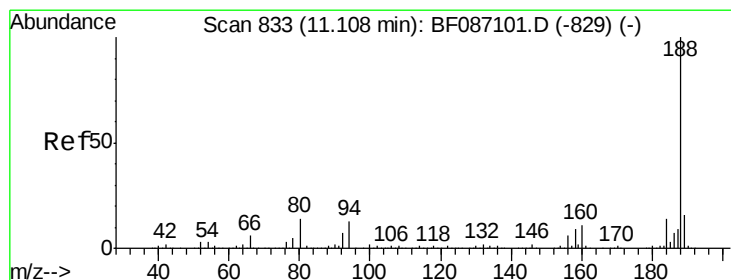
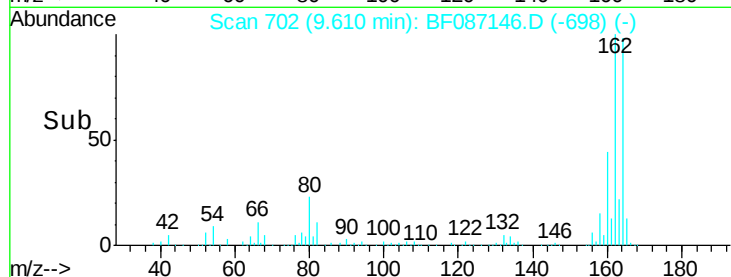
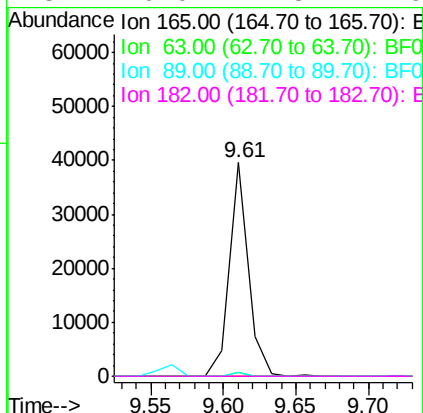
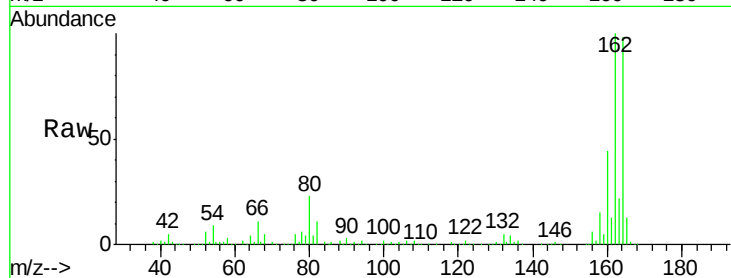




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.25 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

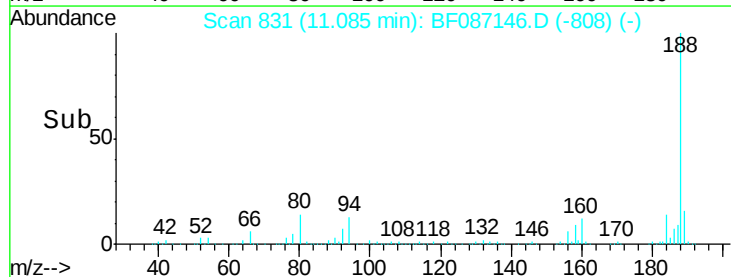
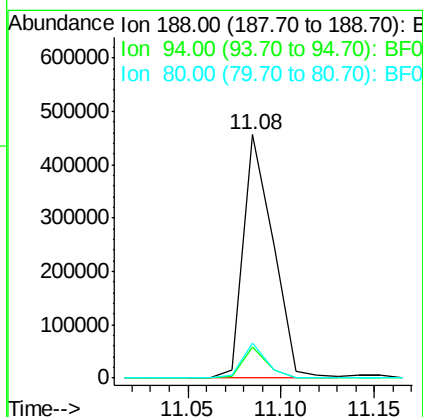
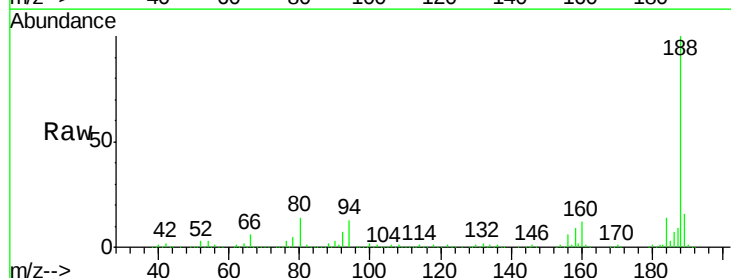
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

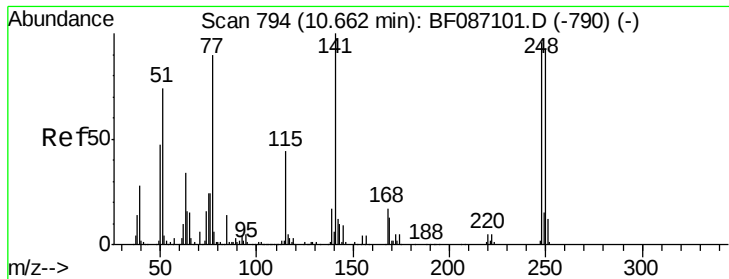
Tot Ion:165 Resp: 35942
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.3 66.5#
 89 1.7 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Tgt Ion:188 Resp: 506931
 Ion Ratio Lower Upper
 188 100
 94 13.0 6.8 10.2#
 80 14.3 7.1 10.7#

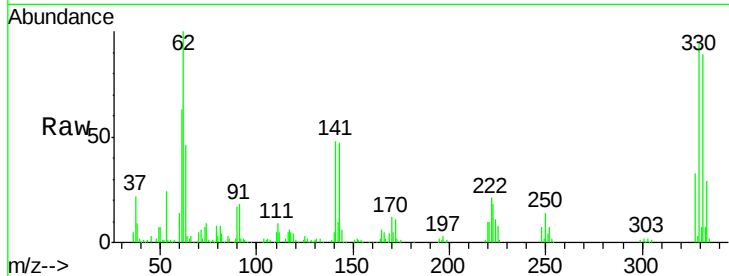




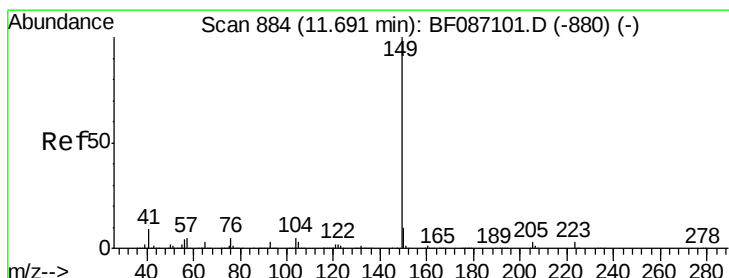
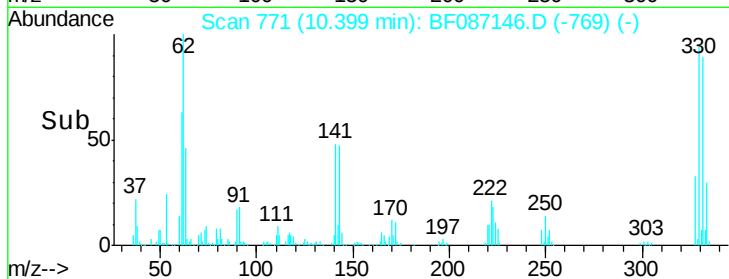
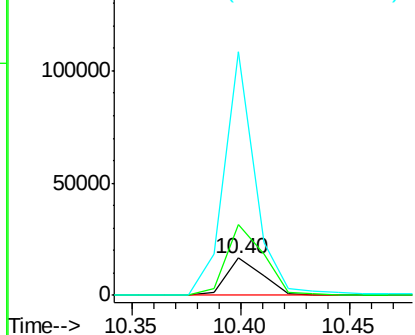
#66
 4-Bromophenyl-phenylether
 Concen: 3.59 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion:248 Resp: 18722
 Ion Ratio Lower Upper
 248 100
 250 189.4 78.6 117.8#
 141 655.0 76.0 114.0#

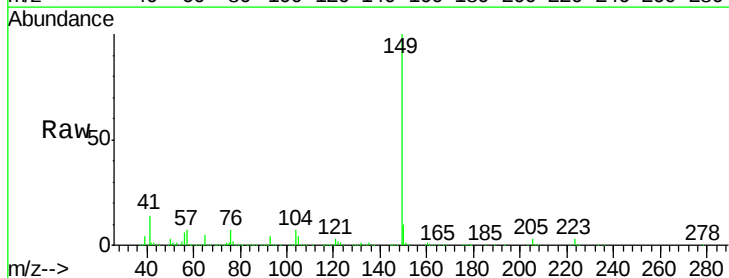


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

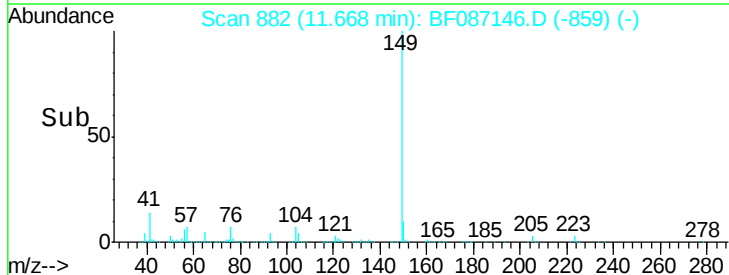
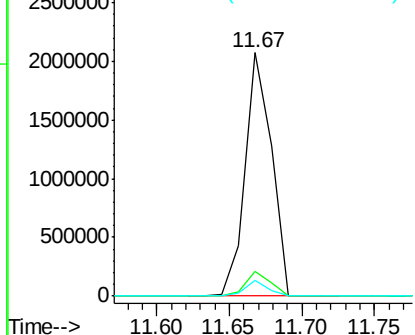


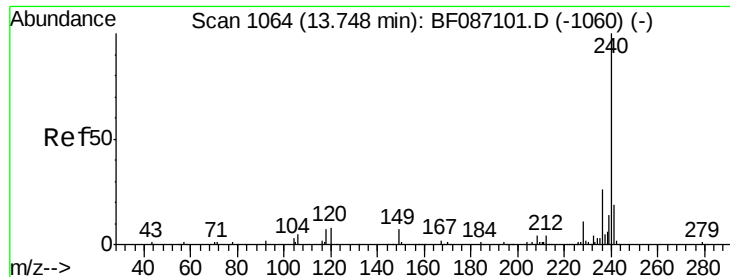
#73
 Di-n-butylphthalate
 Concen: 89.50 ng
 RT: 11.67 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Tgt Ion:149 Resp: 2611357
 Ion Ratio Lower Upper
 149 100
 150 10.1 7.6 11.4
 104 6.6 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

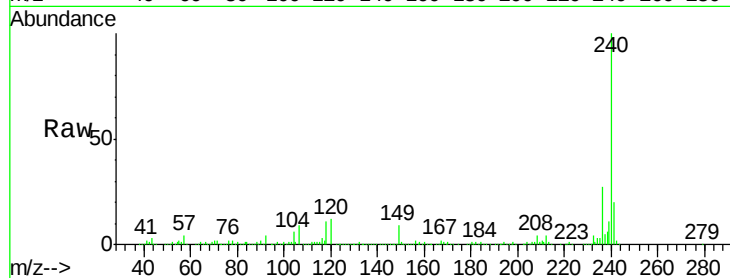
Tot Ion:240 Resp: 448315

Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

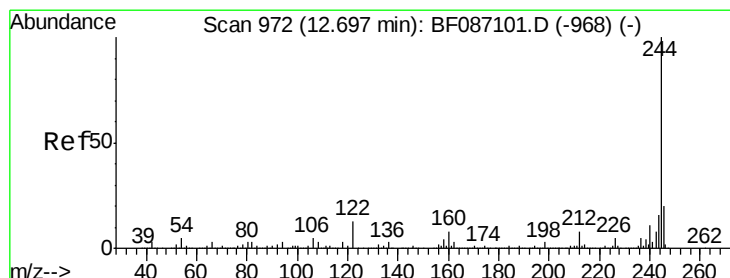
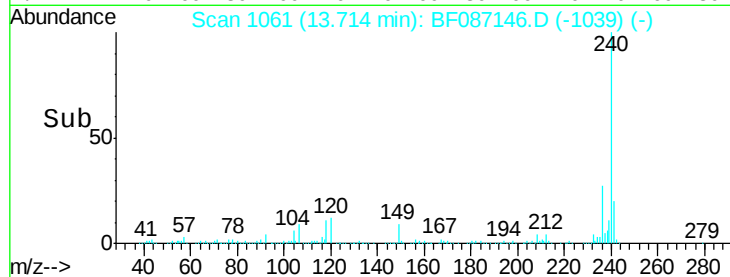
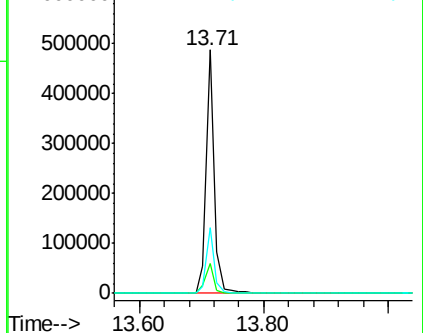
236 26.9 21.2 31.8



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: 64.03 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

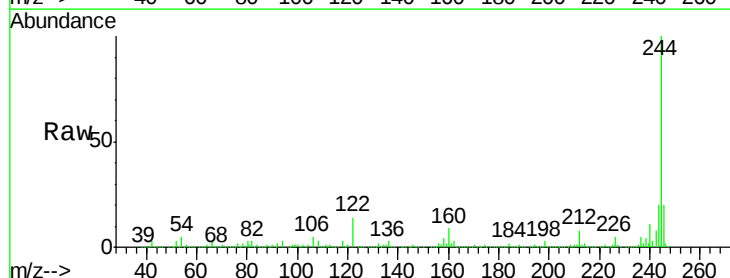
Tgt Ion:244 Resp: 1268965

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

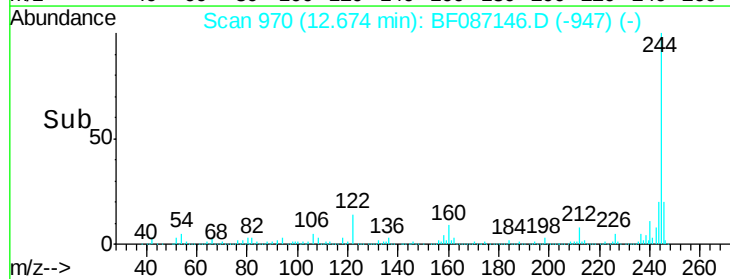
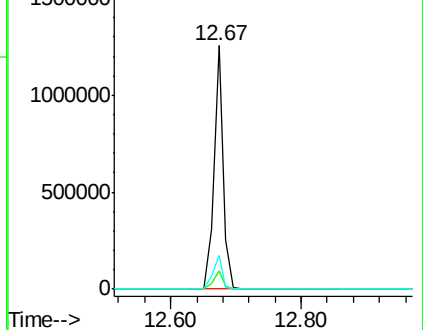
122 13.6 12.0 18.0

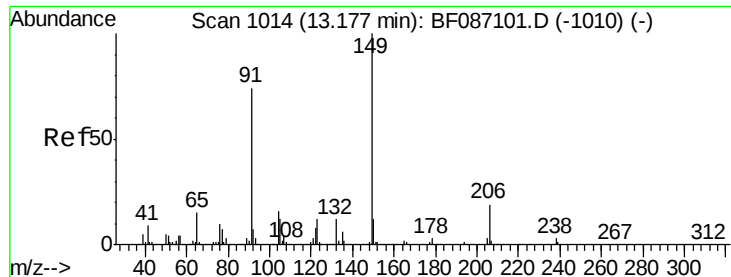


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

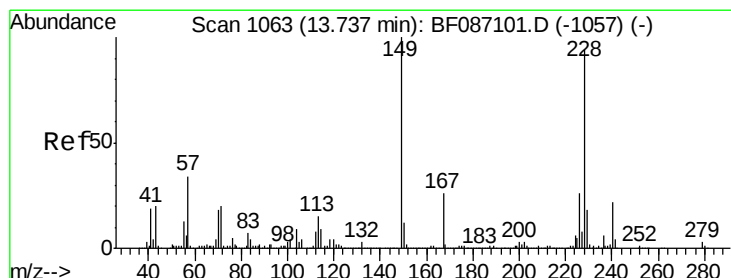
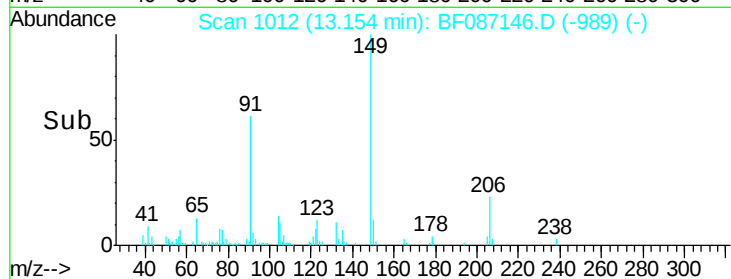
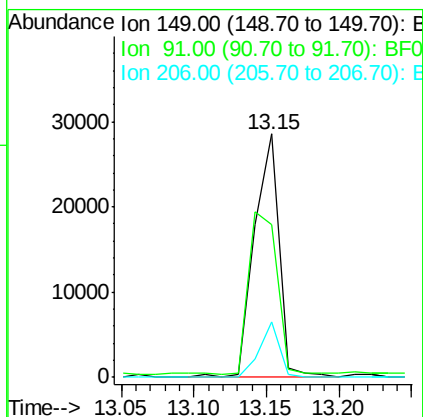
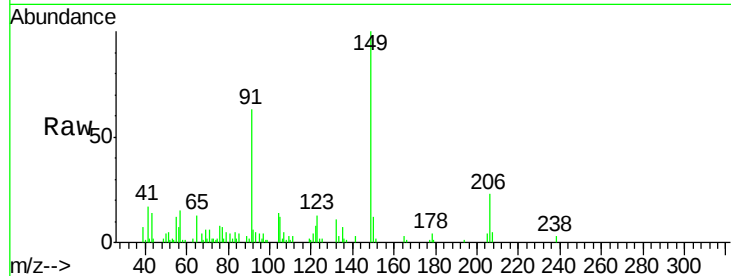




#79
Butylbenzylphthalate
Concen: 2.47 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

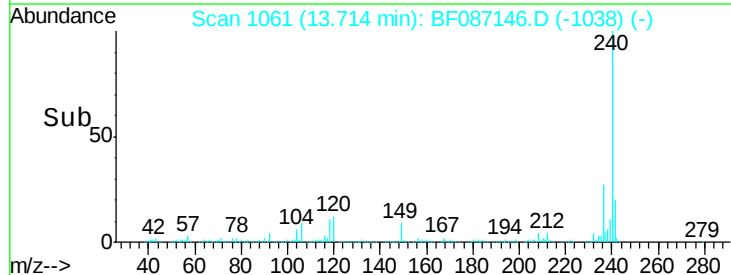
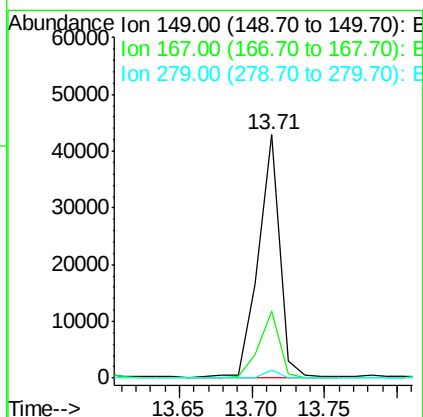
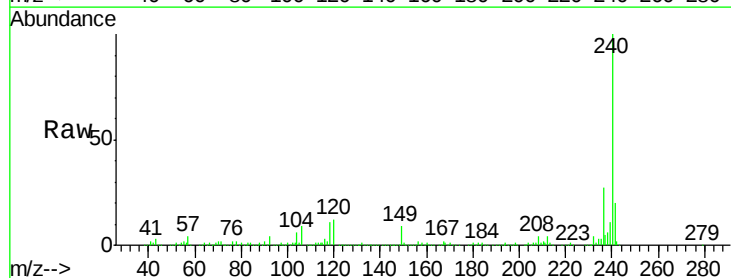
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

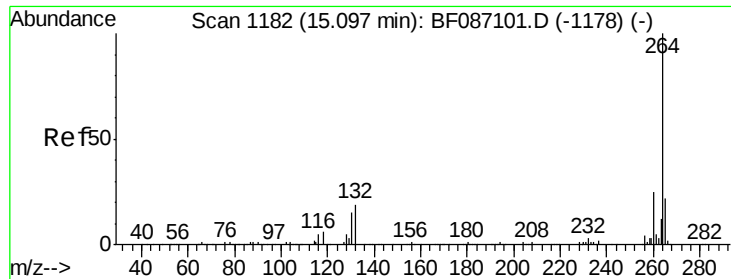
Tot Ion	Ratio	Lower	Upper
149	100		
91	62.9	48.0	72.0
206	22.8	15.8	23.6



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.67 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BF087146.D
Acq: 18 May 2016 16:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.6
279	3.3	2.6	4.0

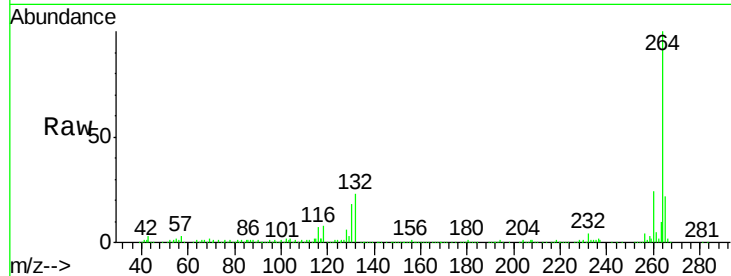




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.5	17.3	25.9



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

