

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
 Data File : BF091329.D
 Acq On : 29 Nov 2016 16:12
 Operator : UM/SJ
 Sample : H5696-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Nov 29 16:54:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

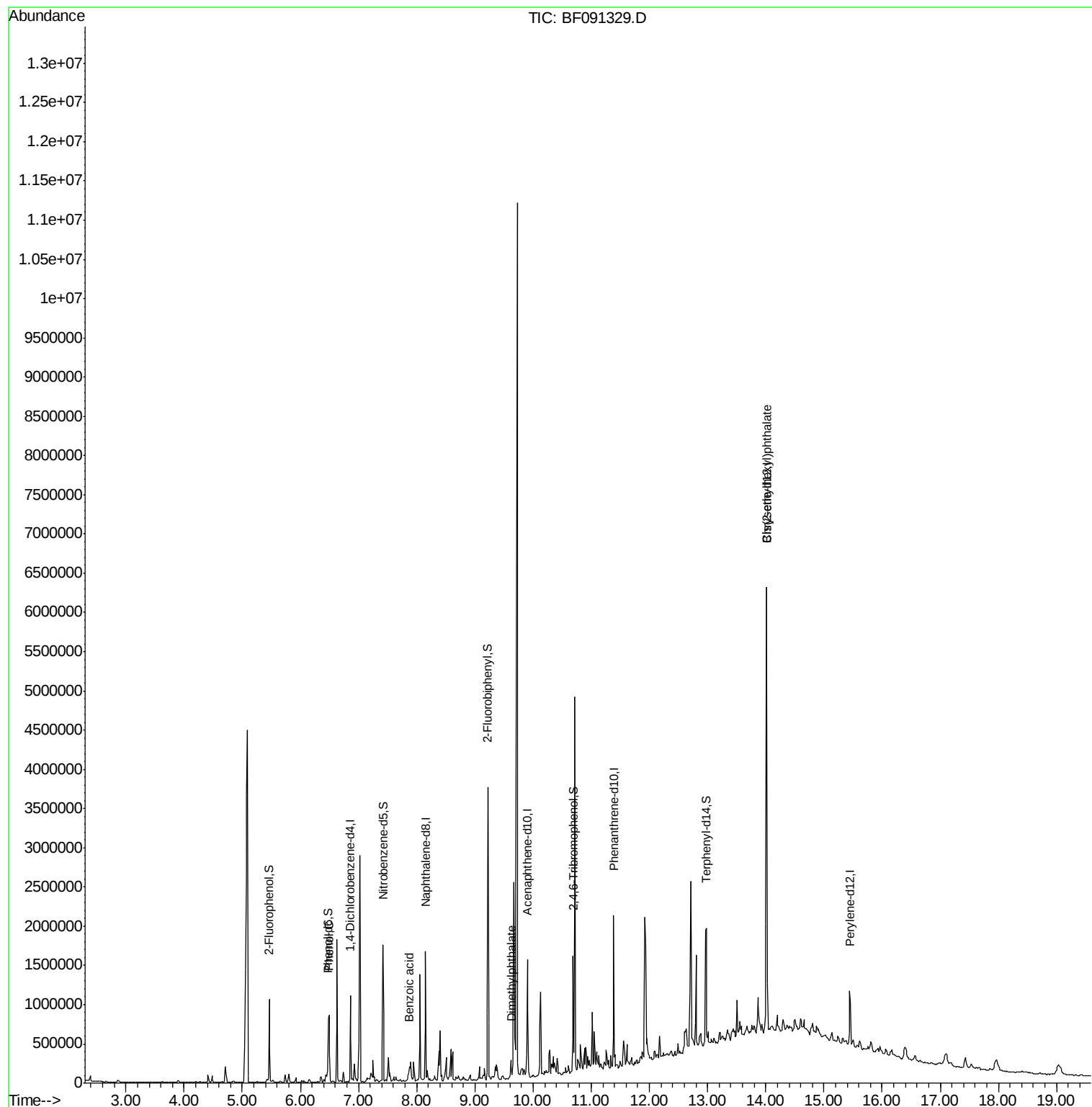
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	183452	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	785030	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	405246	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	695116	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	384338	20.00	ng	-0.03
86) Perylene-d12	15.44	264	407660	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	274811	24.47	ng	0.00
7) Phenol-d6	6.48	99	245296	17.74	ng	-0.02
23) Nitrobenzene-d5	7.42	82	643481	45.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	164697	42.93	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1208334	53.99	ng	-0.02
78) Terphenyl-d14	12.97	244	737911	41.73	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.49	94	227544	13.99	ng	93
32) Benzoic acid	7.88	122	53490	5.93	ng	93
49) Dimethylphthalate	9.62	163	97104	3.96	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	1191972	86.10	ng	# 93

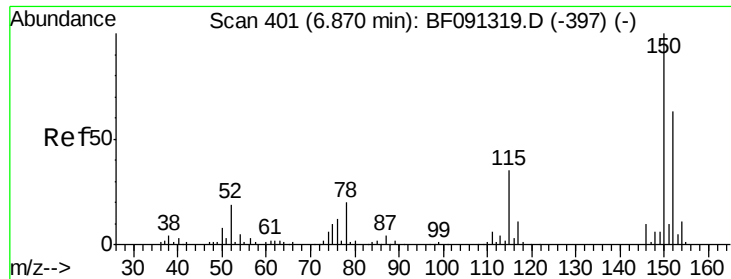
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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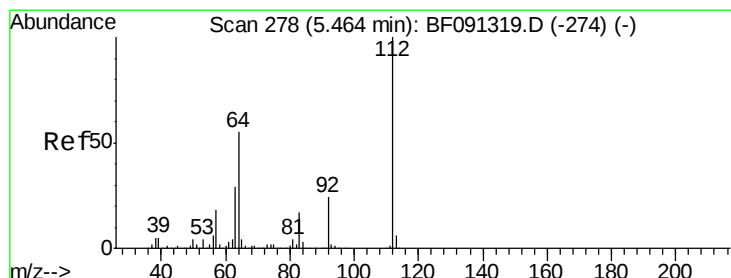
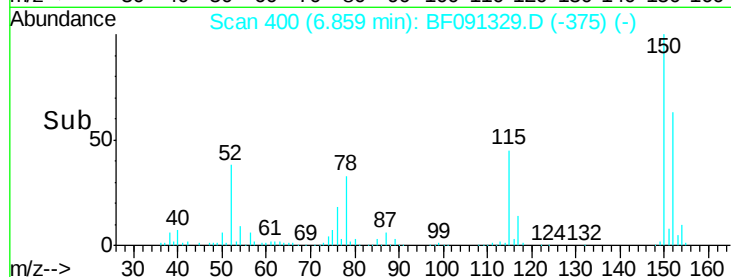
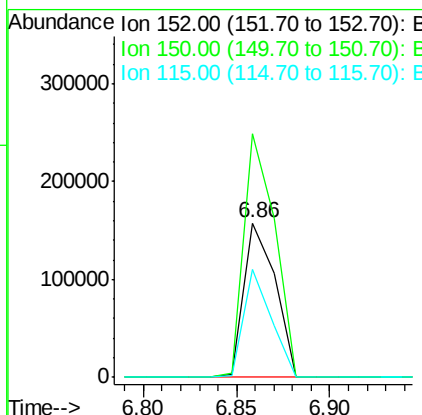
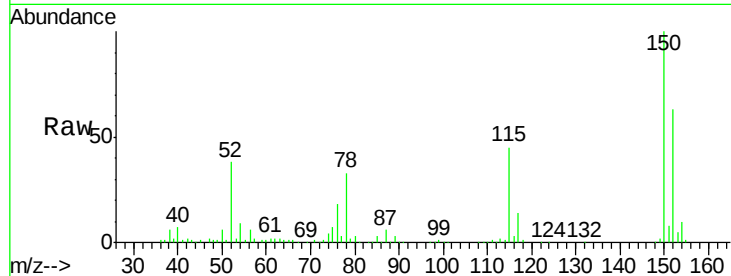




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091329.D
 Acq: 29 Nov 2016 16:12

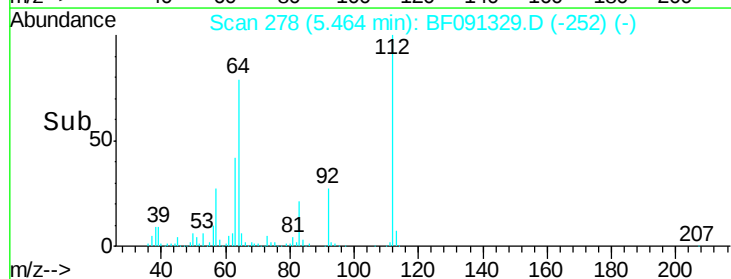
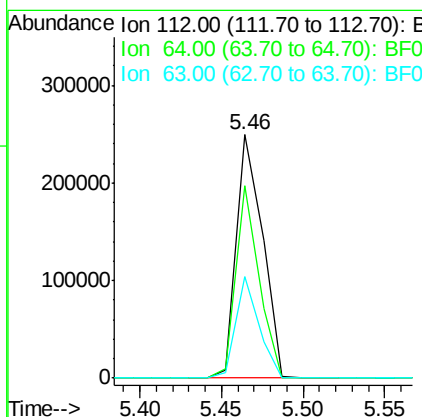
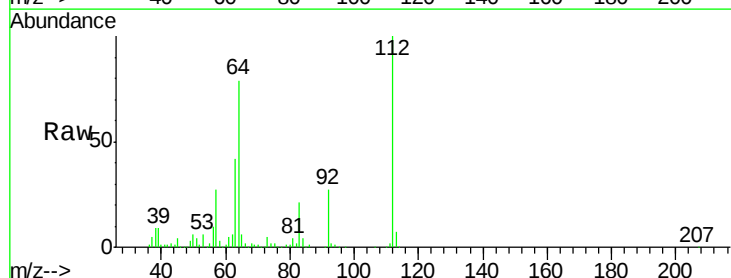
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

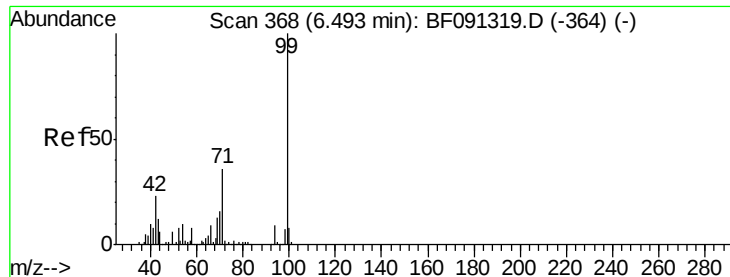
Tgt Ion:152 Resp: 183452
 Ion Ratio Lower Upper
 152 100
 150 157.8 122.5 183.7
 115 70.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 24.47 ng
 RT: 5.46 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: BF091329.D
 Acq: 29 Nov 2016 16:12

Tgt Ion:112 Resp: 274811
 Ion Ratio Lower Upper
 112 100
 64 79.1 61.5 92.3
 63 41.6 33.3 49.9





#7

Phenol-d6

Concen: 17.74 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

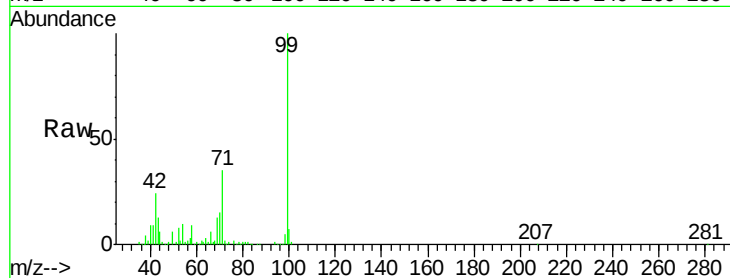
Tgt Ion: 99 Resp: 245296

Ion Ratio Lower Upper

99 100

42 24.2 20.6 31.0

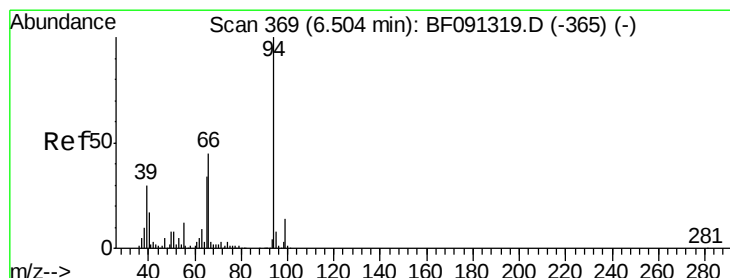
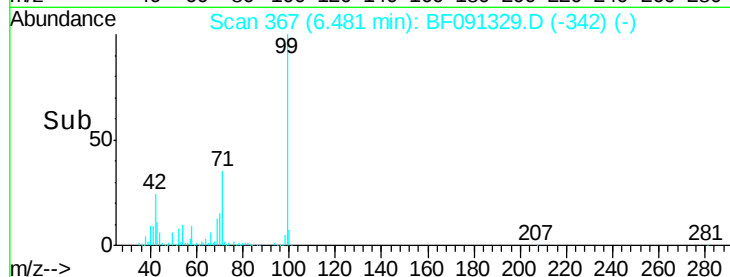
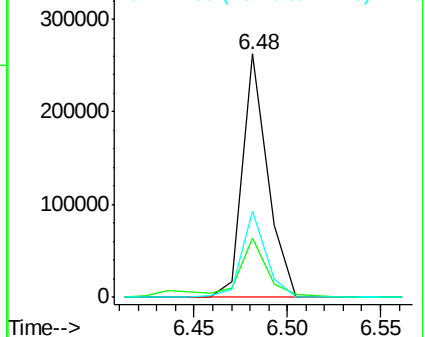
71 35.1 29.9 44.9



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



#10

Phenol

Concen: 13.99 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

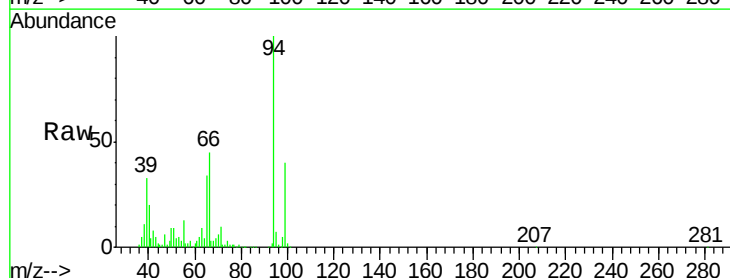
Tgt Ion: 94 Resp: 227544

Ion Ratio Lower Upper

94 100

65 34.0 16.9 56.9

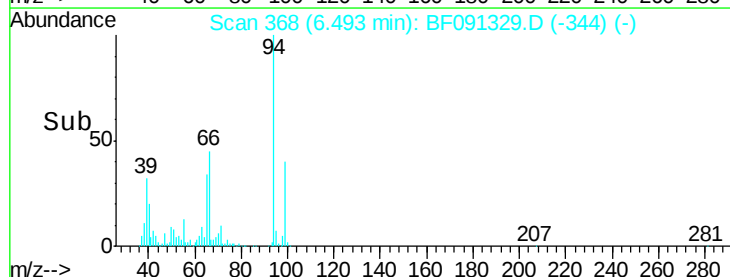
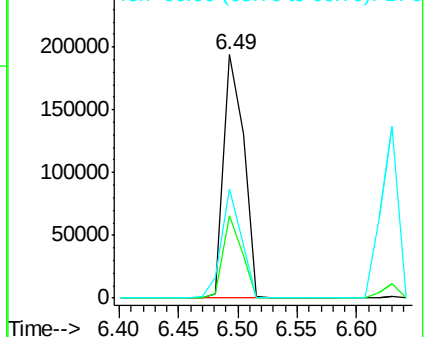
66 45.0 30.6 70.6

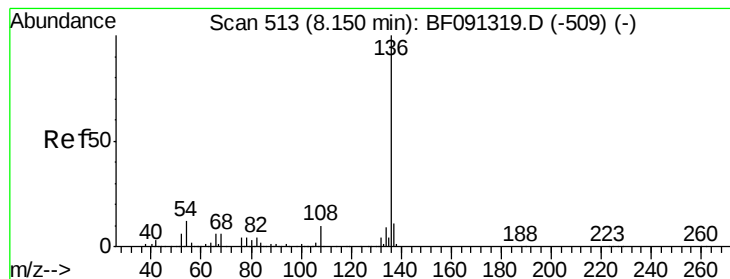


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

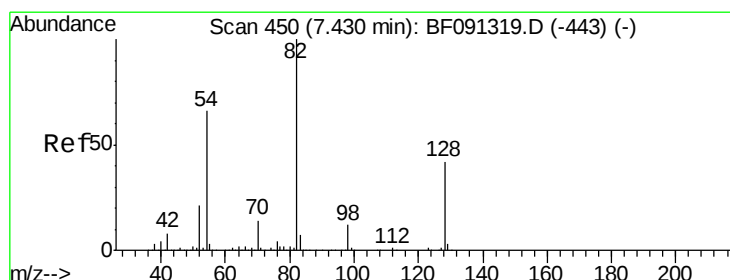
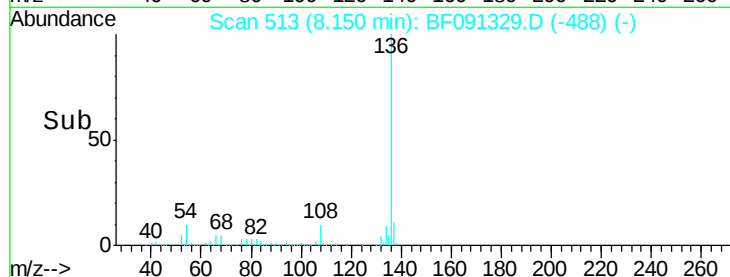
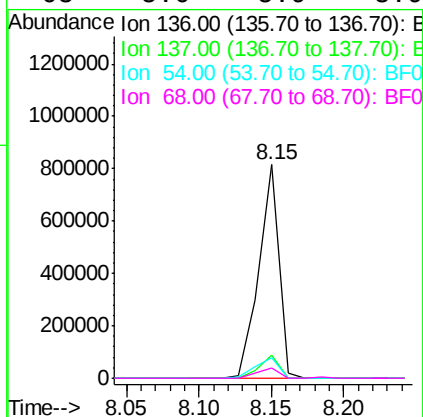
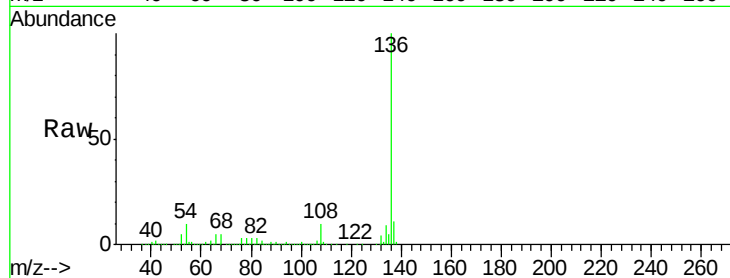
Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tgt Ion:	136	Resp:	785030
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	9.8	9.1	13.7
68	5.0	5.9	8.9#



#23

Nitrobenzene-d5

Concen: 45.94 ng

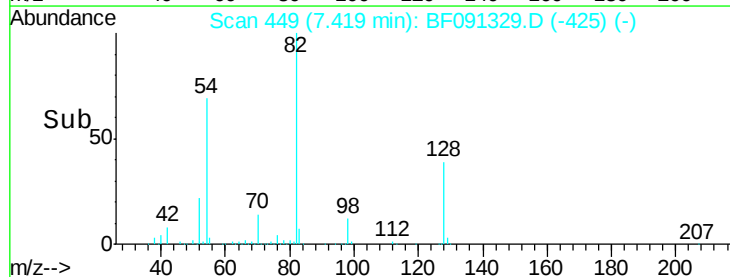
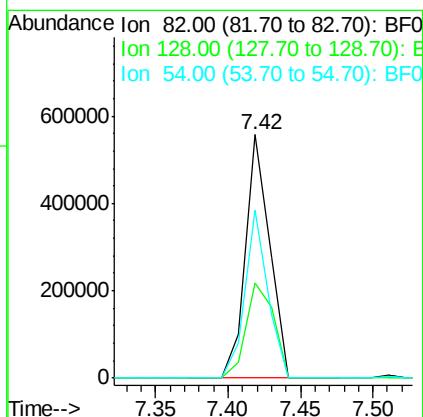
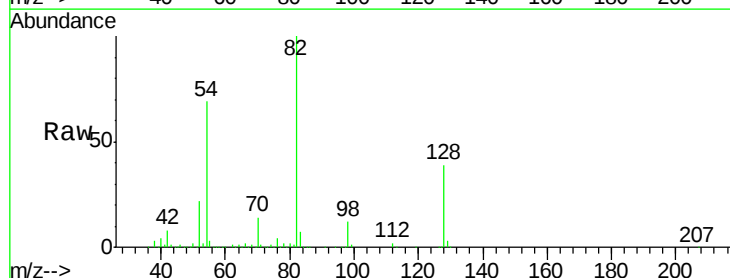
RT: 7.42 min Scan# 449

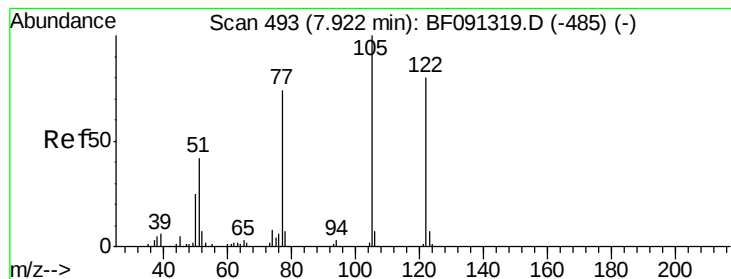
Delta R.T. -0.03 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

Tgt Ion:	82	Resp:	643481
Ion Ratio	Lower	Upper	
82	100		
128	38.9	31.8	47.6
54	68.9	49.1	73.7





#32

Benzoic acid

Concen: 5.93 ng

RT: 7.88 min Scan# 489

Delta R.T. -0.06 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

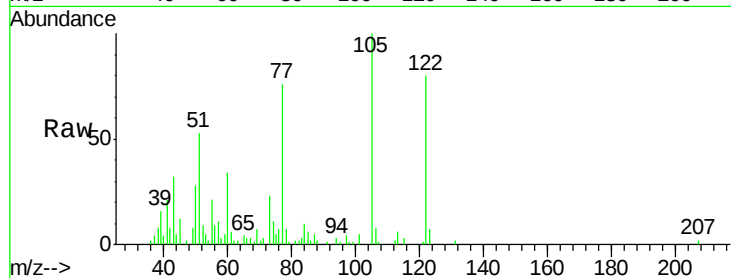
Tgt Ion:122 Resp: 53490

Ion Ratio Lower Upper

122 100

105 124.9 113.0 153.0

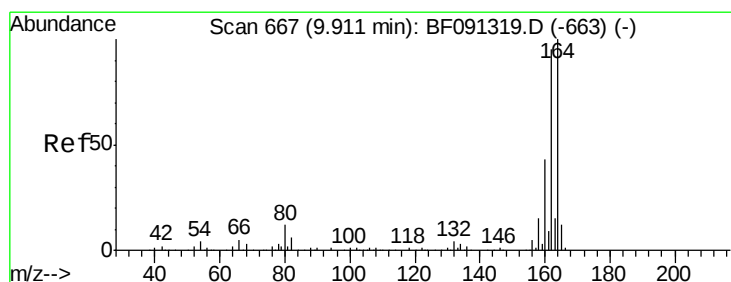
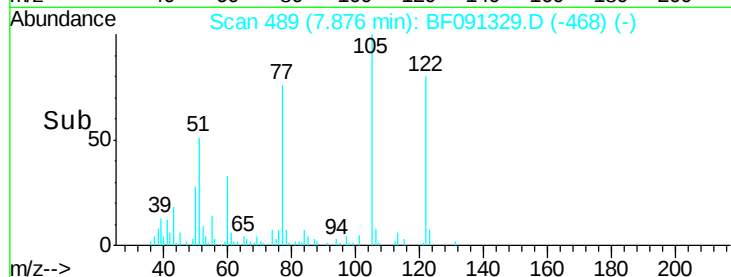
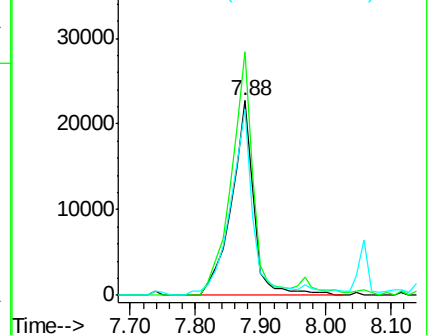
77 95.4 82.0 122.0



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

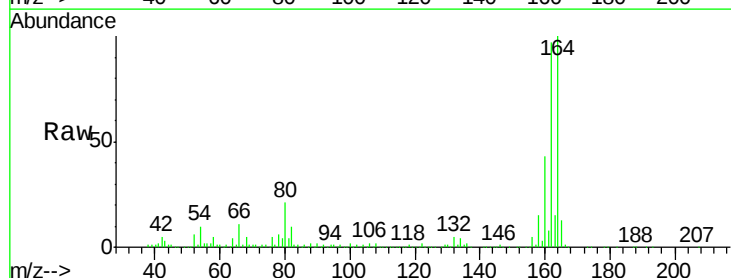
Tgt Ion:164 Resp: 405246

Ion Ratio Lower Upper

164 100

162 97.3 82.6 124.0

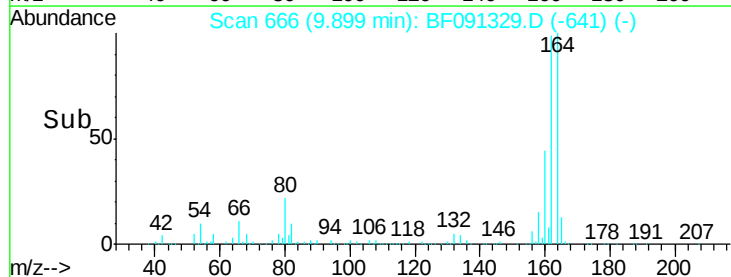
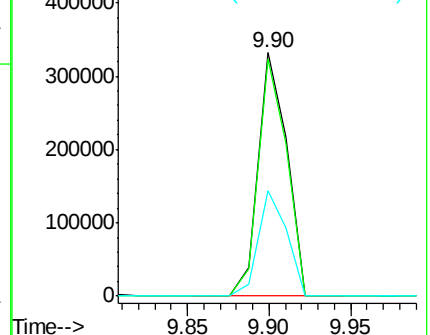
160 43.2 36.7 55.1

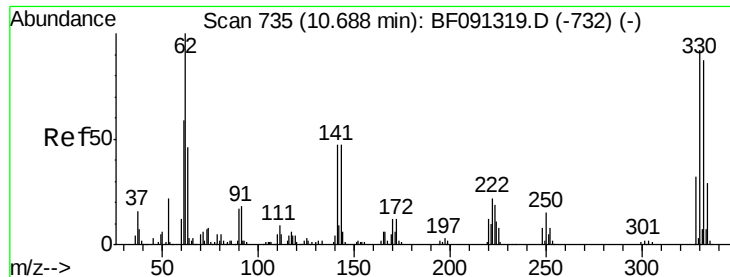


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

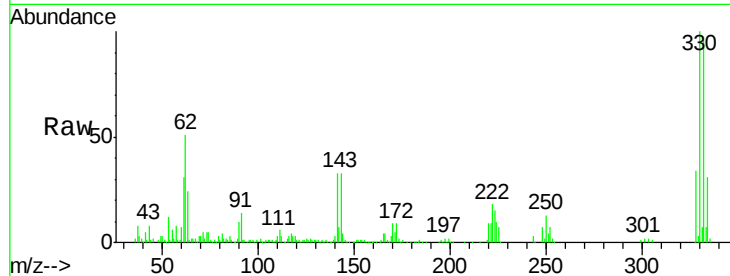




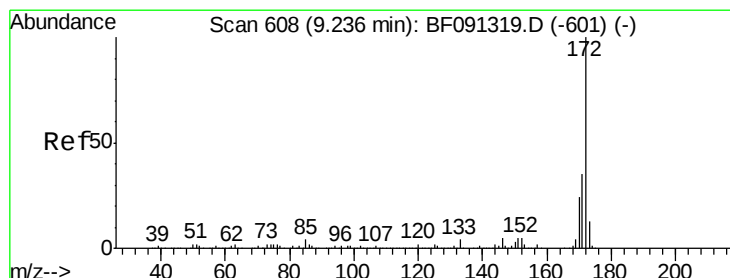
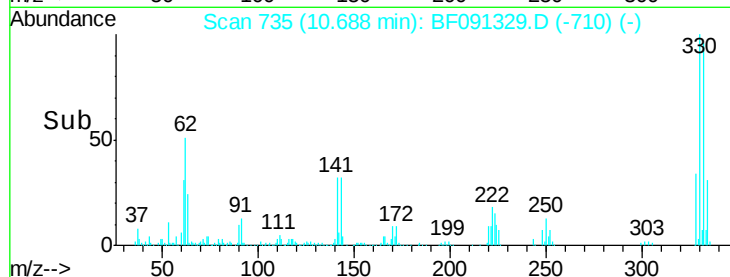
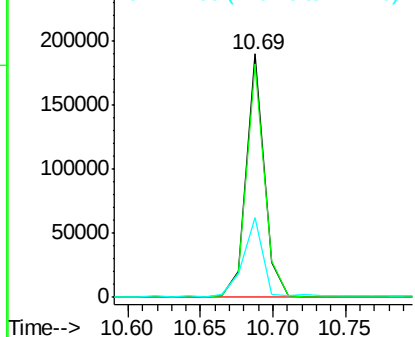
#41
 2,4,6-Tribromophenol
 Concen: 42.93 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091329.D
 Acq: 29 Nov 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tgt Ion:330 Resp: 164697
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 36.0 33.6 50.4

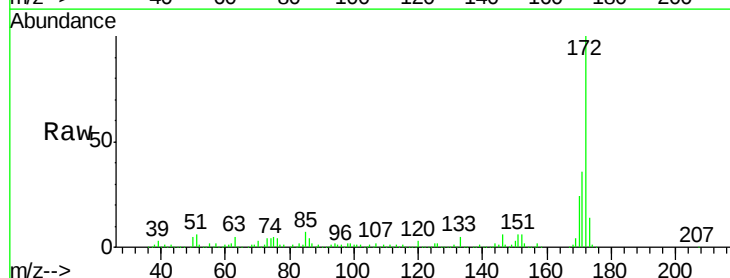


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

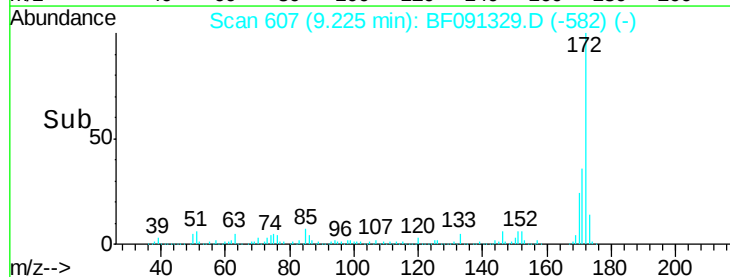
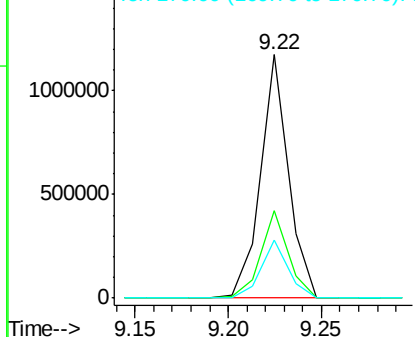


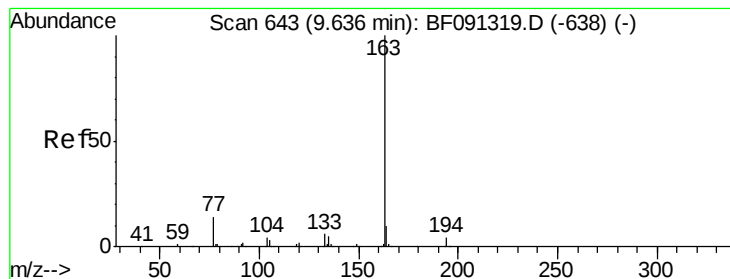
#44
 2-Fluorobiphenyl
 Concen: 53.99 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091329.D
 Acq: 29 Nov 2016 16:12

Tgt Ion:172 Resp: 1208334
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.0 19.7 29.5



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





#49

Dimethylphthalate

Concen: 3.96 ng

RT: 9.62 min Scan# 642

Delta R.T. -0.03 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

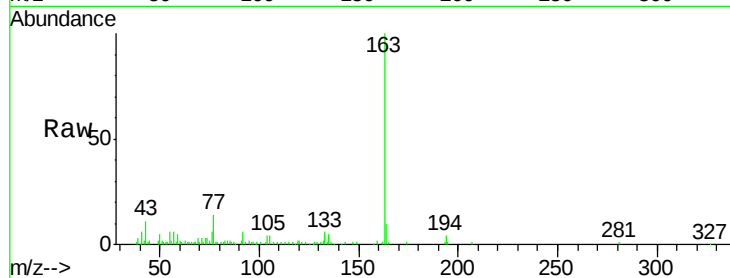
Tgt Ion:163 Resp: 97104

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

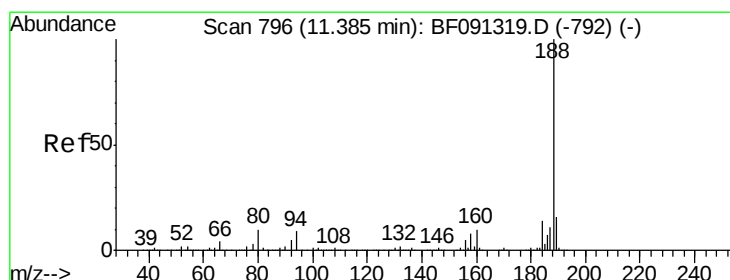
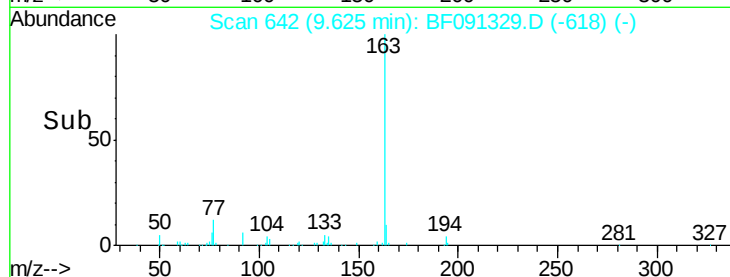
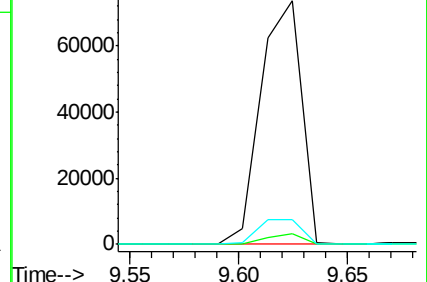
164 10.3 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

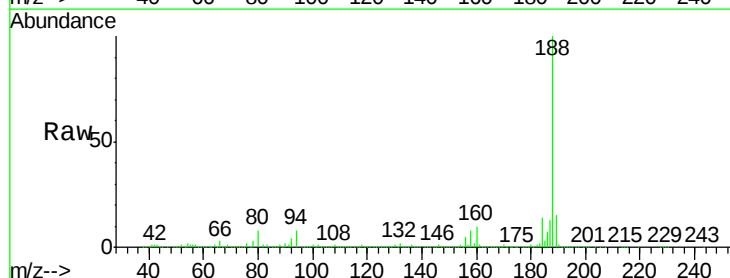
Tgt Ion:188 Resp: 695116

Ion Ratio Lower Upper

188 100

94 7.5 9.2 13.8#

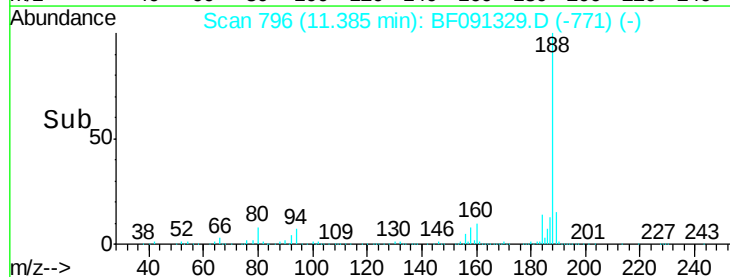
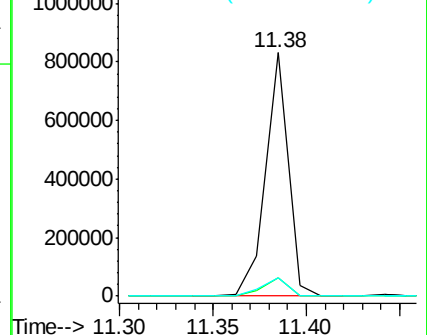
80 7.7 10.5 15.7#

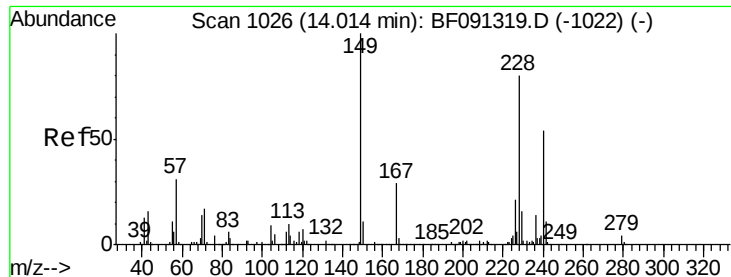


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

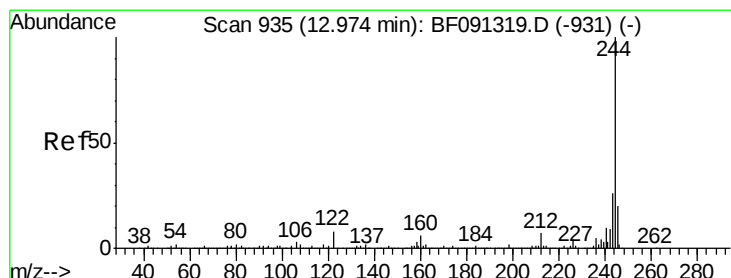
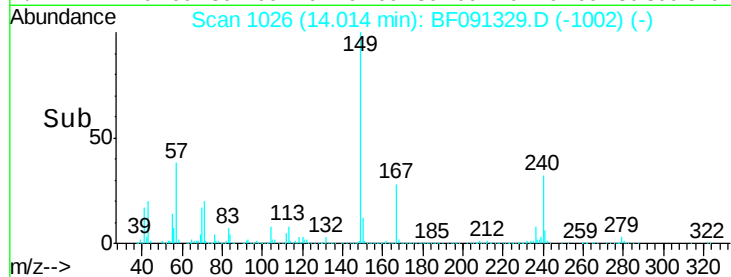
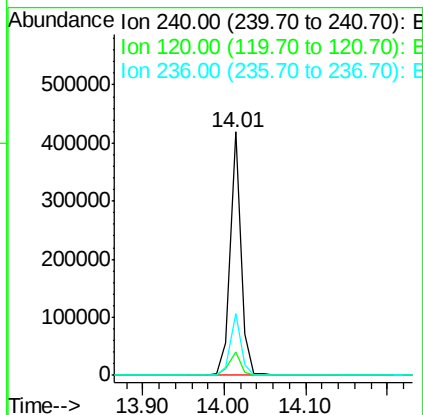
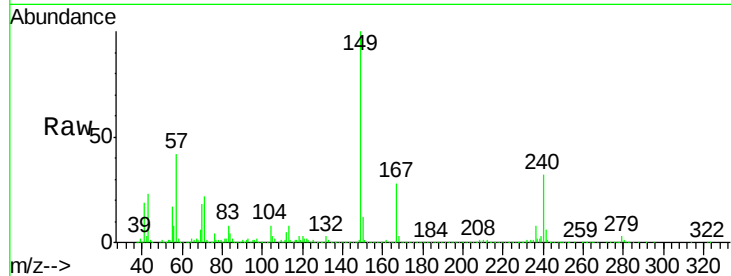
Tgt Ion:240 Resp: 384338

Ion Ratio Lower Upper

240 100

120 9.7 12.1 18.1#

236 25.4 21.0 31.6



#78

Terphenyl-d14

Concen: 41.73 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091329.D

Acq: 29 Nov 2016 16:12

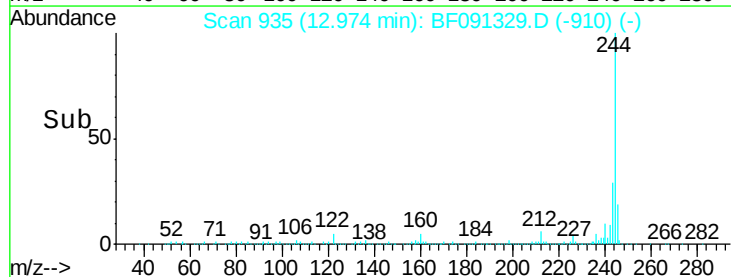
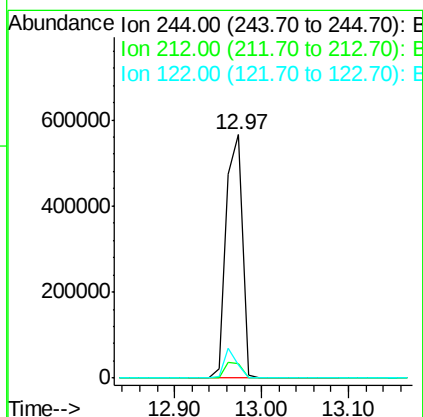
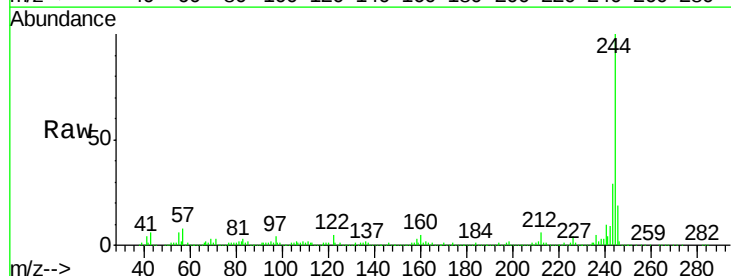
Tgt Ion:244 Resp: 737911

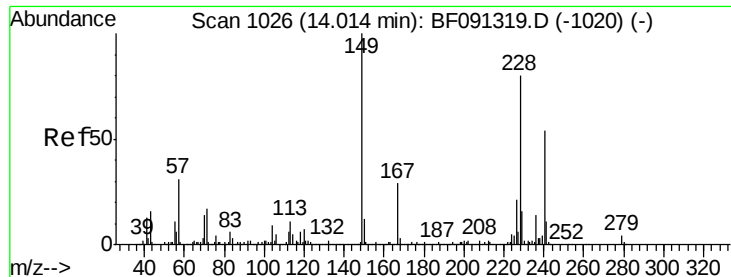
Ion Ratio Lower Upper

244 100

212 5.9 6.5 9.7#

122 5.4 9.5 14.3#

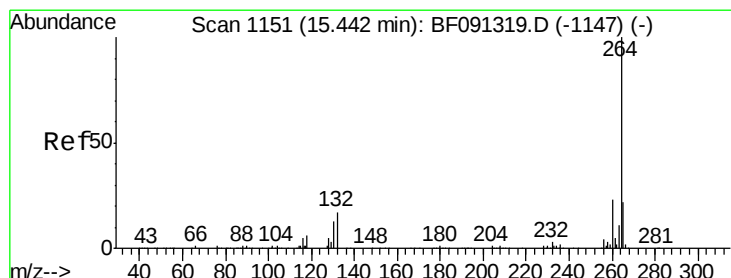
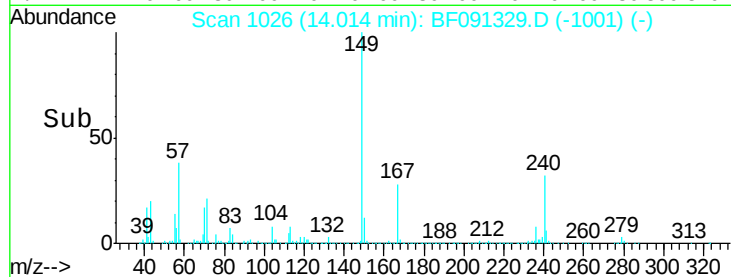
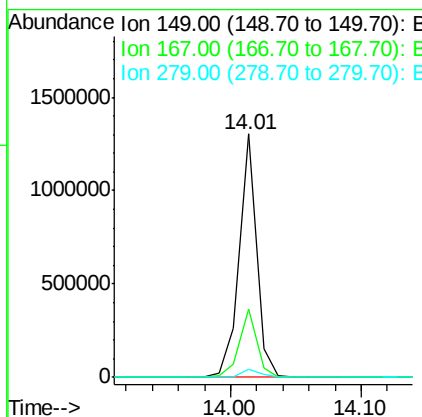
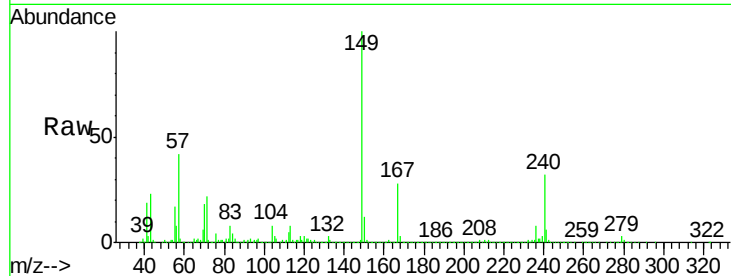




#83
Bis(2-ethylhexyl)phthalate
Concen: 86.10 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF091329.D
Acq: 29 Nov 2016 16:12

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:149 Resp: 1191972
Ion Ratio Lower Upper
149 100
167 27.9 19.6 29.4
279 3.3 1.9 2.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091329.D
Acq: 29 Nov 2016 16:12

Tgt Ion:264 Resp: 407660
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.3 17.0 25.6

