

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 17:18:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 18 17:13:00 2016
 Response via : Initial Calibration

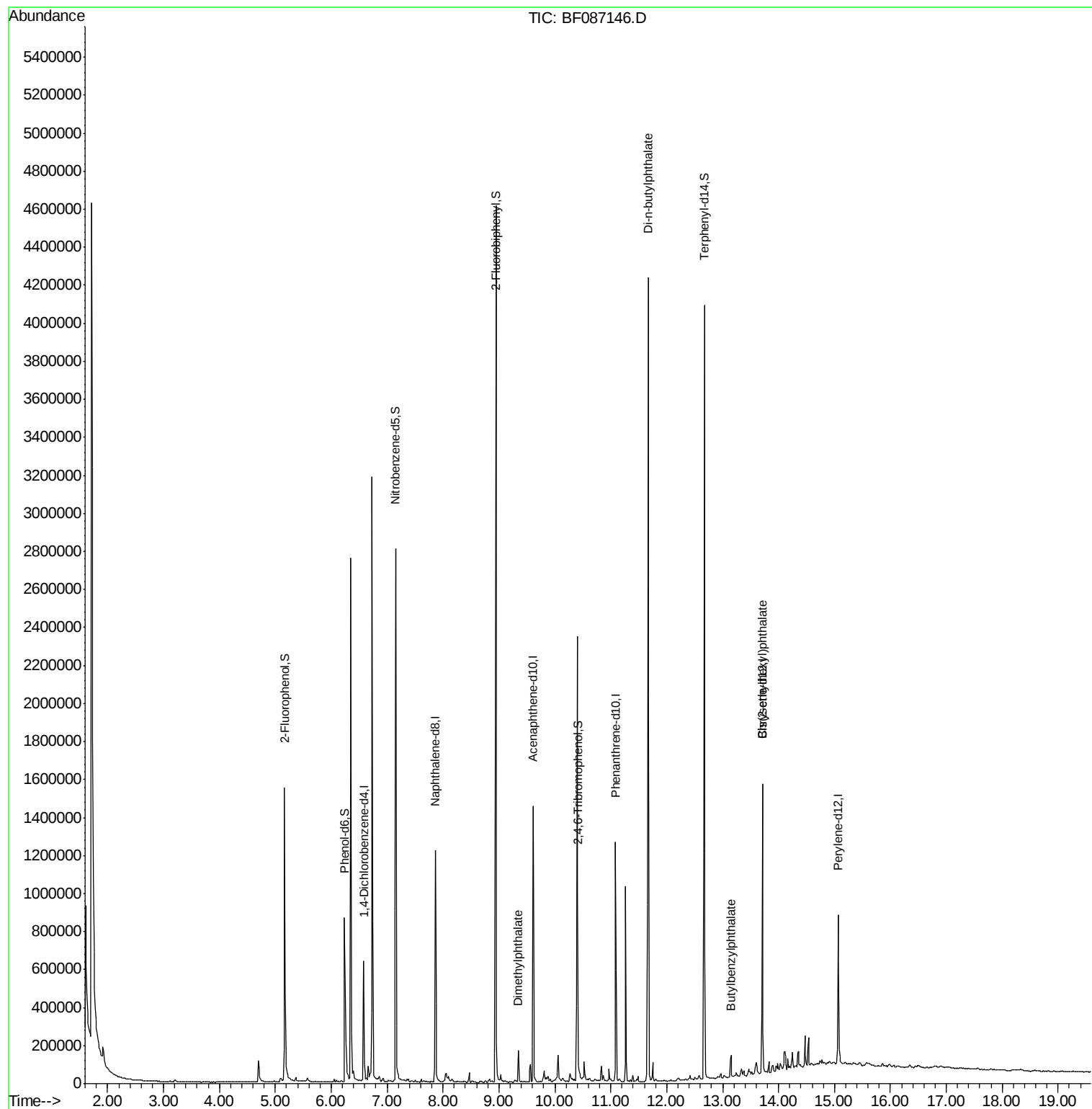
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	137214	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	558557	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	277346	20.00	ng	-0.01
63) Phenanthrene-d10	11.08	188	506931	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	448315	20.00	ng	-0.01
86) Perylene-d12	15.06	264	370723	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	452792	55.47	ng	0.00
7) Phenol-d6	6.24	99	384745	35.14	ng	-0.01
23) Nitrobenzene-d5	7.15	82	904526	80.71	ng	0.00
41) 2,4,6-Tribromophenol	10.41	330	330608	107.87	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	1461289	87.26	ng	0.00
78) Terphenyl-d14	12.67	244	1268965	64.03	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.35	163	54319	2.57	ng	99
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

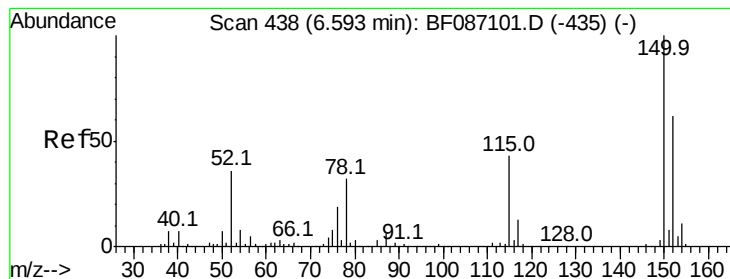
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

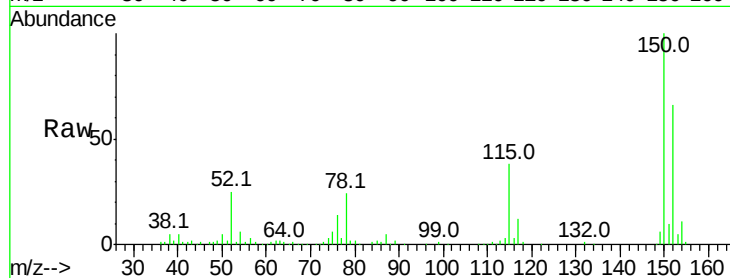
Tot Ion:152 Resp: 137214

Ion Ratio Lower Upper

152 100

150 151.7 125.8 188.6

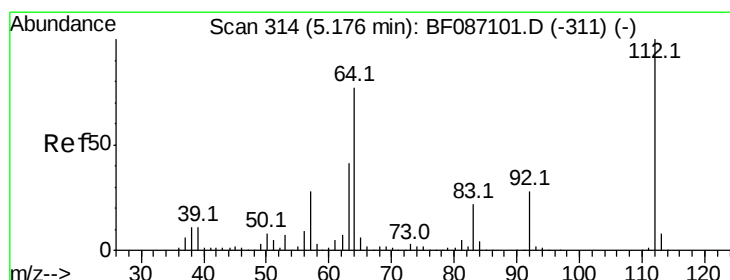
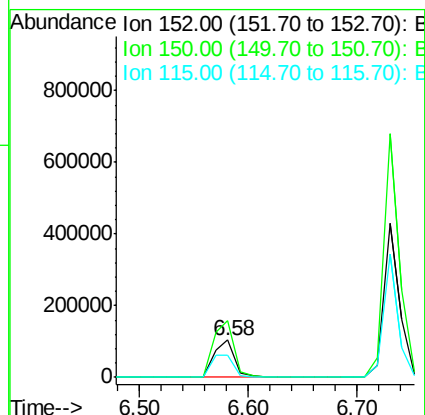
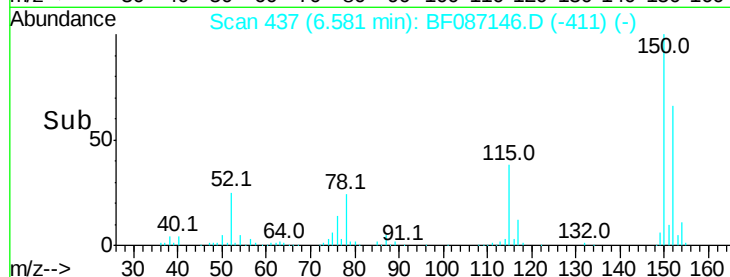
115 57.9 51.5 77.3



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. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

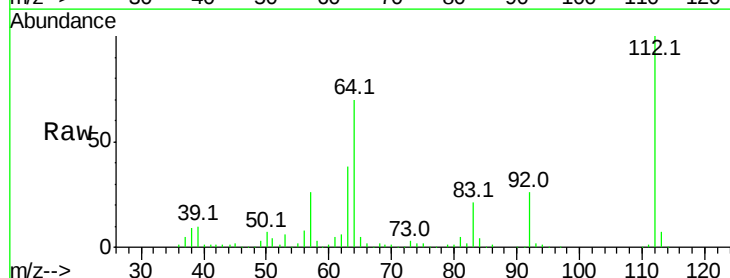
Tgt Ion:112 Resp: 452792

Ion Ratio Lower Upper

112 100

64 69.7 52.1 78.1

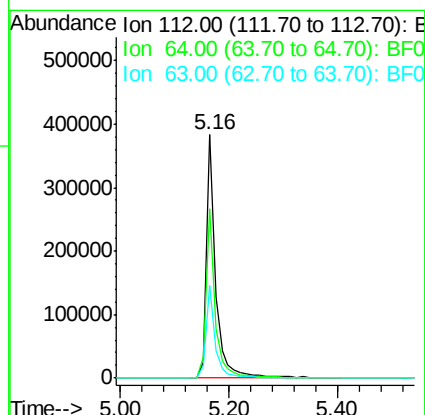
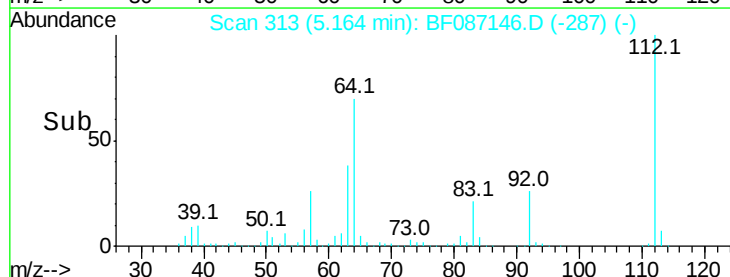
63 38.1 25.7 38.5

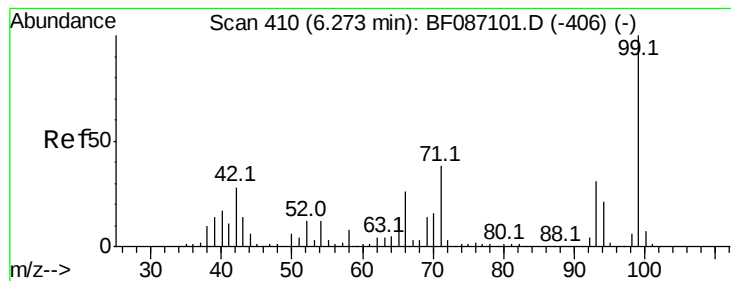


Abundance Ion 112.00 (111.70 to 112.70): E

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. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

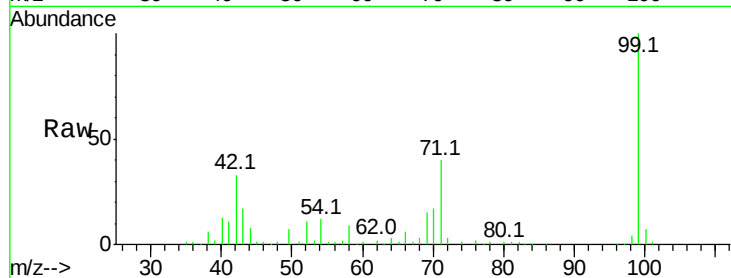
Tot Ion: 99 Resp: 384745

Ion Ratio Lower Upper

99 100

42 33.1 13.6 20.4#

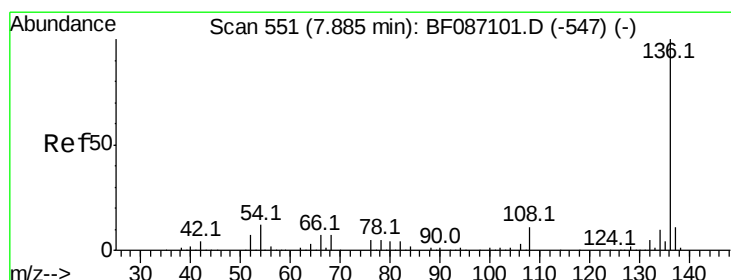
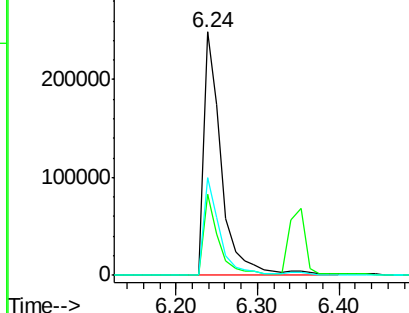
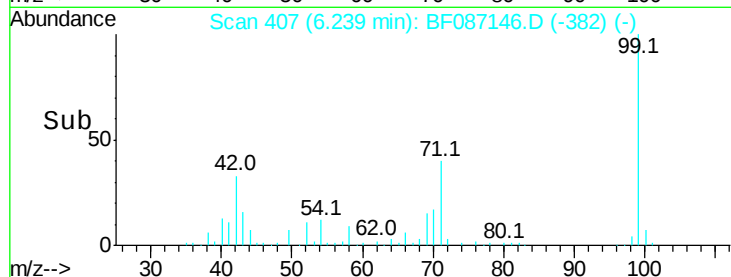
71 40.3 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Tgt Ion: 136 Resp: 558557

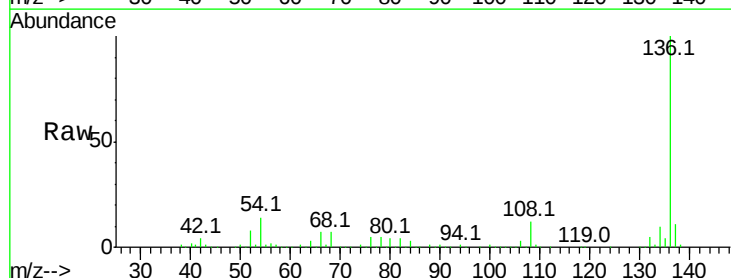
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 13.8 5.0 7.4#

68 7.2 4.4 6.6#

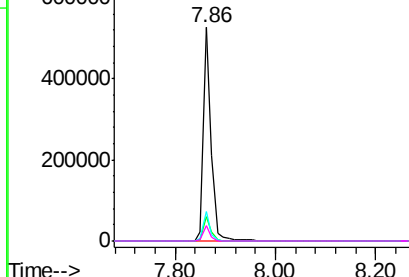
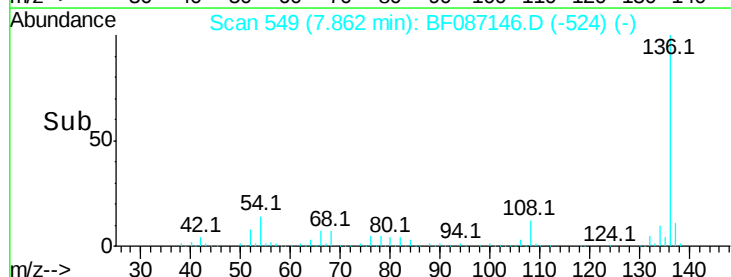


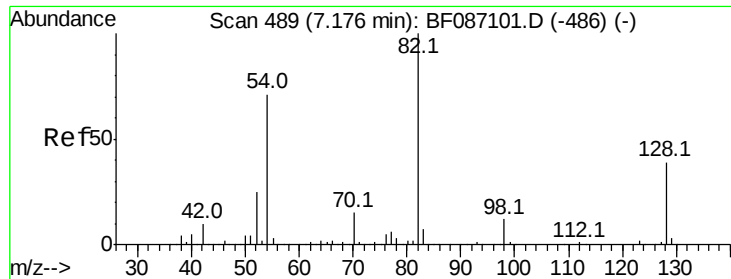
Abundance Ion 136.00 (135.70 to 136.70): E

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

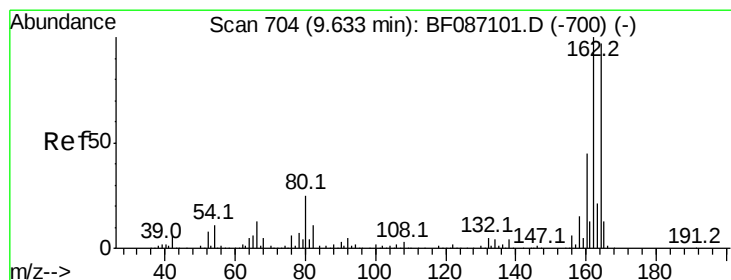
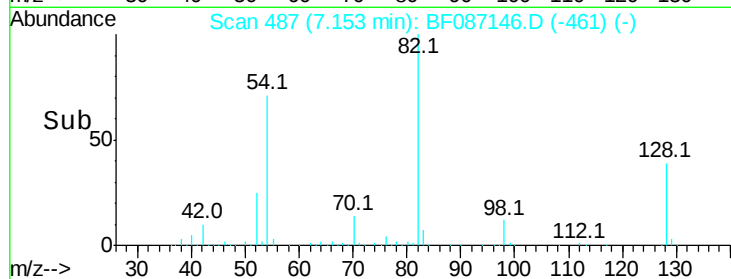
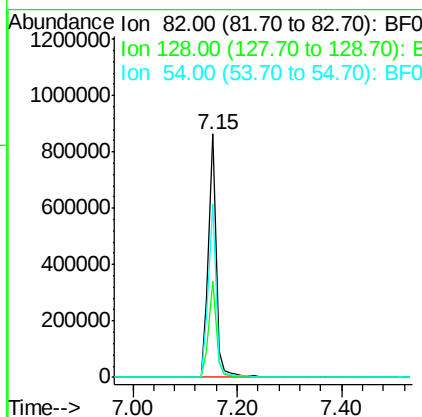
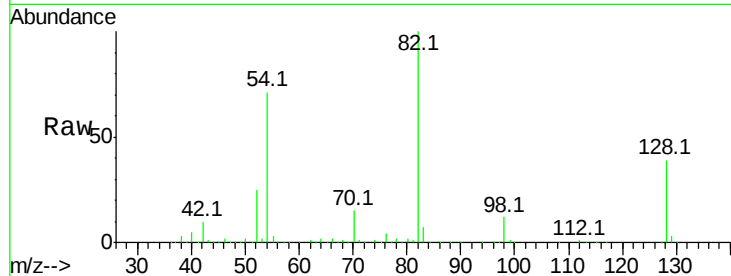




#23
 Nitrobenzene-d5
 Concen: 80.71 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

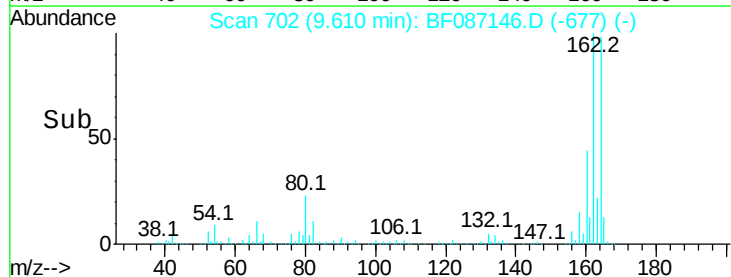
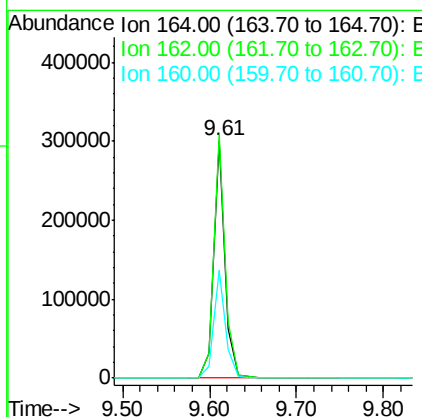
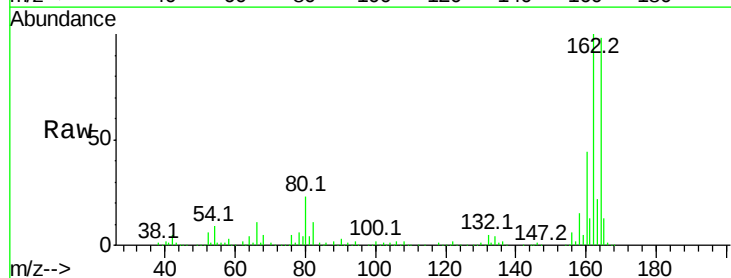
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

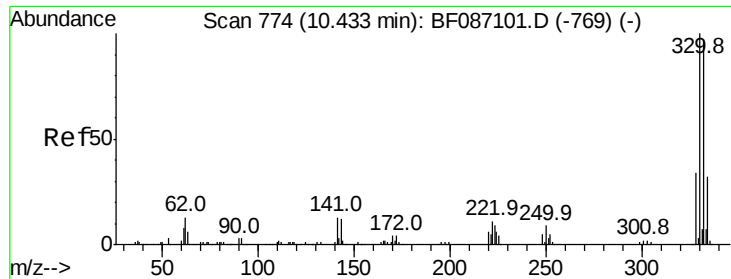
Tot Ion: 82 Resp: 904526
 Ion Ratio Lower Upper
 82 100
 128 39.4 40.6 61.0#
 54 71.1 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.01 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

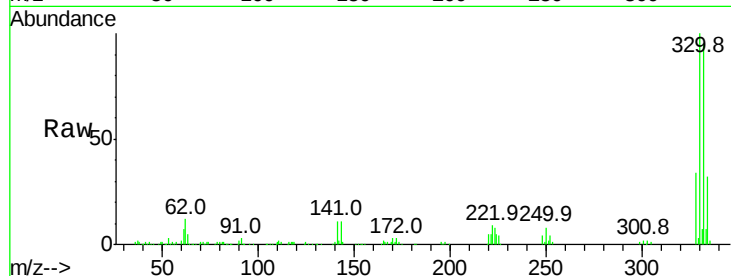




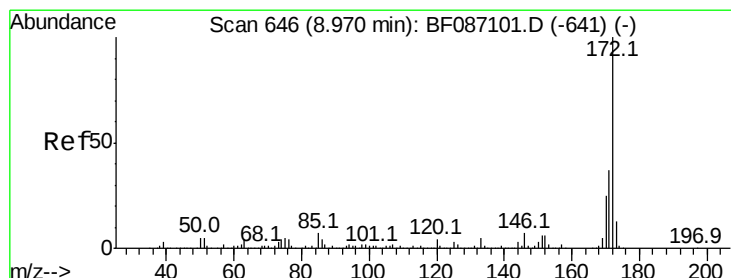
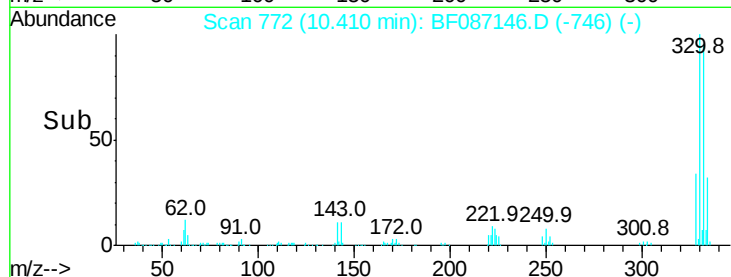
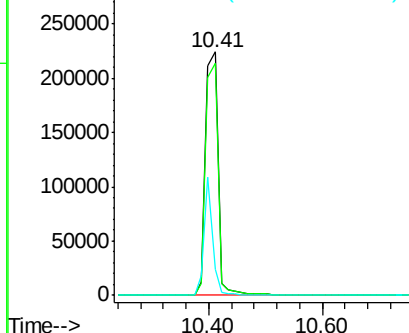
#41
 2,4,6-Tribromophenol
 Concen: 107.87 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

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

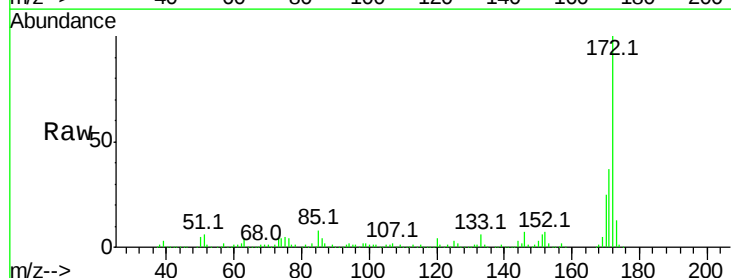


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

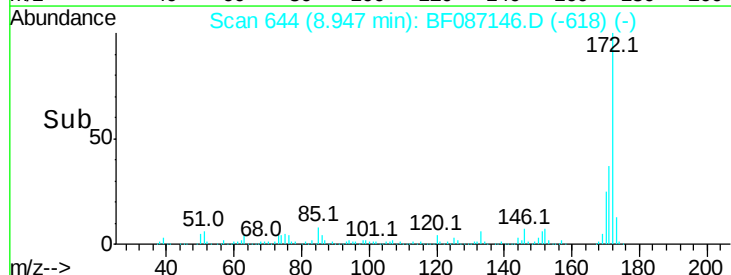
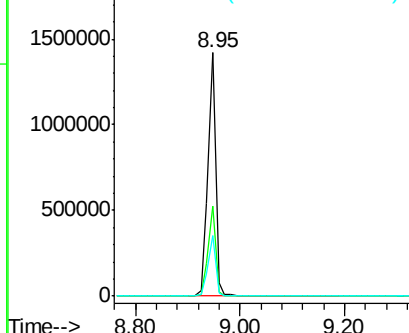


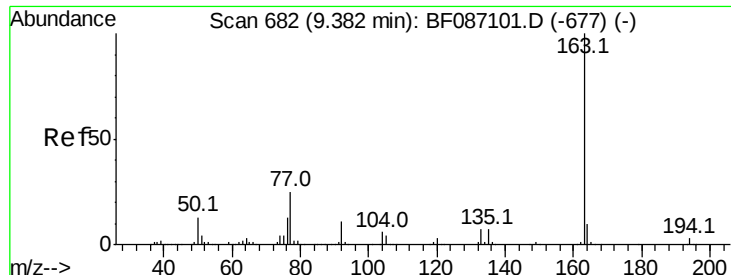
#44
 2-Fluorobiphenyl
 Concen: 87.26 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BF087146.D
 Acq: 18 May 2016 16:23

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. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

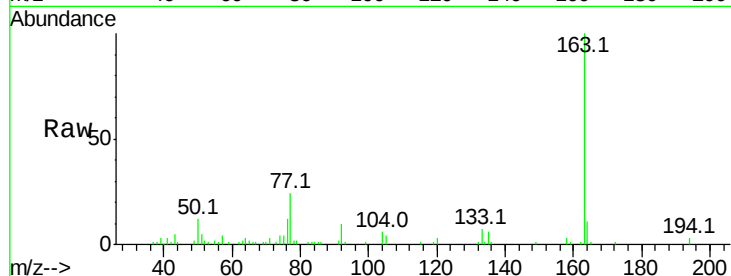
Tot Ion:163 Resp: 54319

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

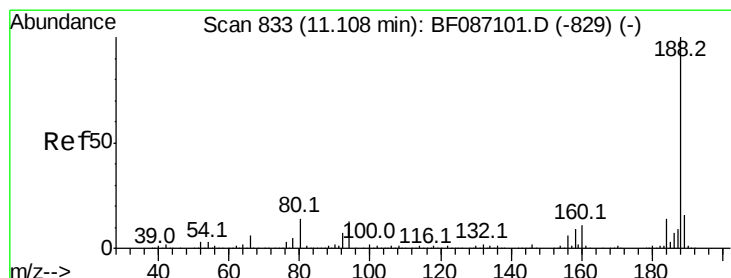
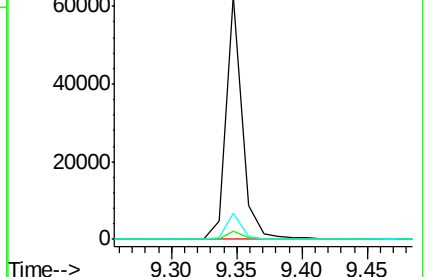
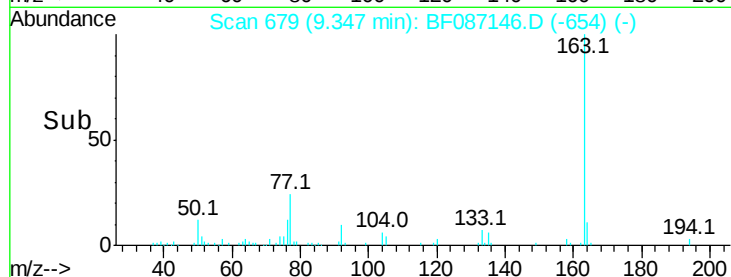
164 10.6 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

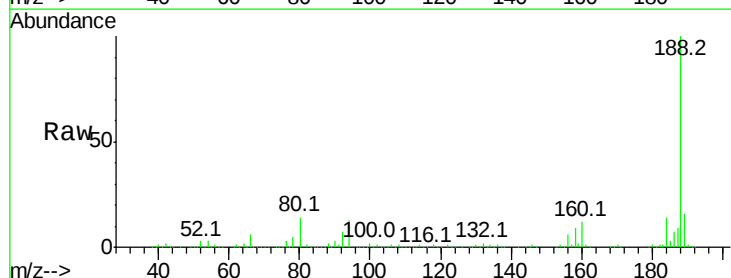
Tgt Ion:188 Resp: 506931

Ion Ratio Lower Upper

188 100

94 13.0 6.8 10.2#

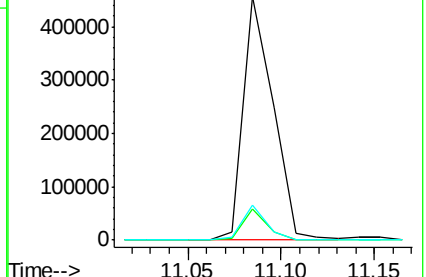
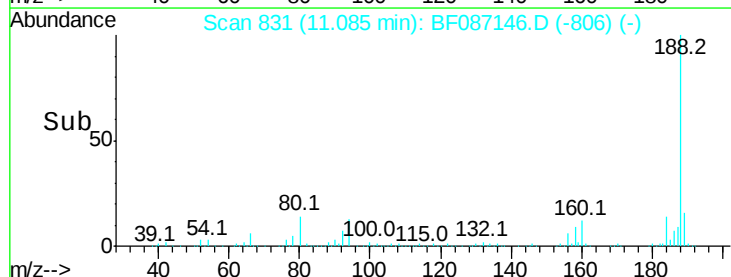
80 14.3 7.1 10.7#

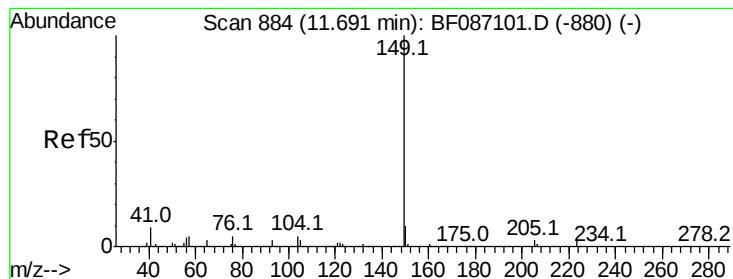


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#73

Di-n-butylphthalate

Concen: 89.50 ng

RT: 11.67 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

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ClientSampleId :

GROUNDWATER

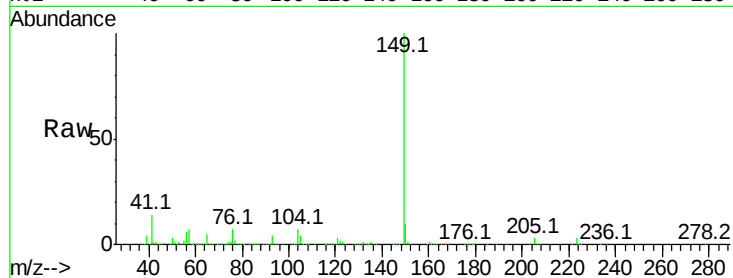
Tot Ion:149 Resp: 2611357

Ion Ratio Lower Upper

149 100

150 10.1 7.6 11.4

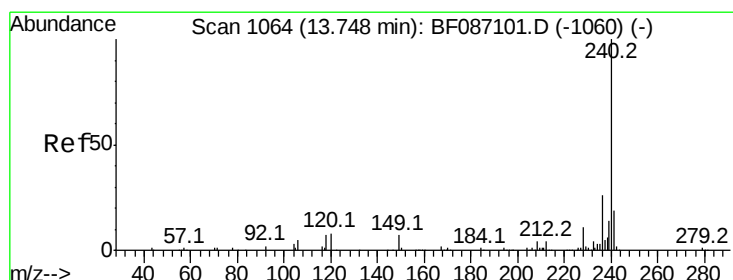
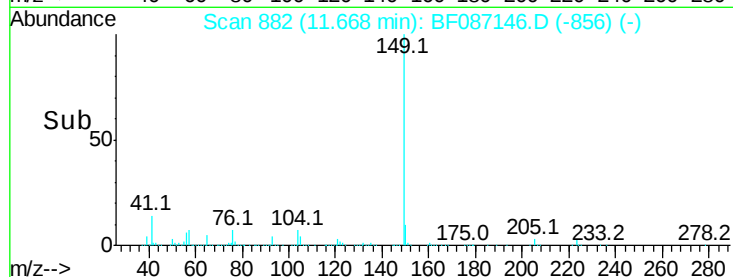
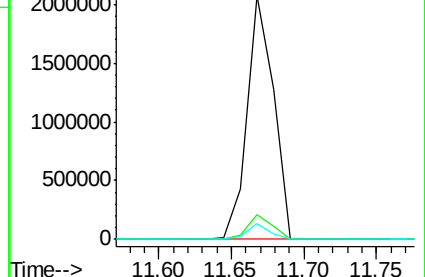
104 6.6 3.8 5.6#



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. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

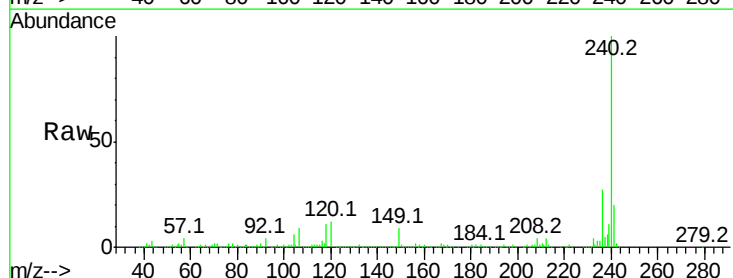
Tgt Ion:240 Resp: 448315

Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

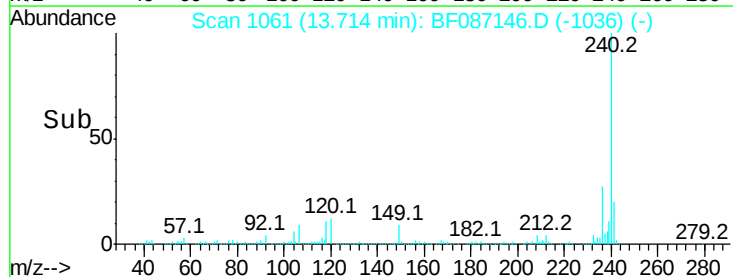
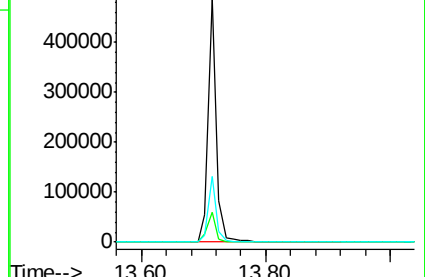
236 26.9 21.2 31.8

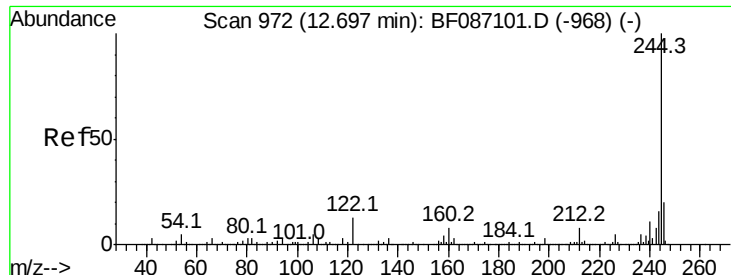


Abundance Ion 240.00 (239.70 to 240.70): E

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. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

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GROUNDWATER

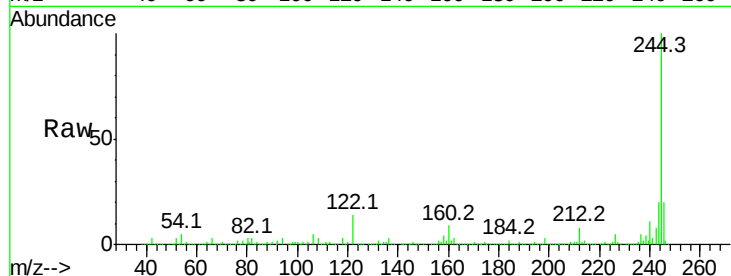
Tot Ion:244 Resp: 1268965

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

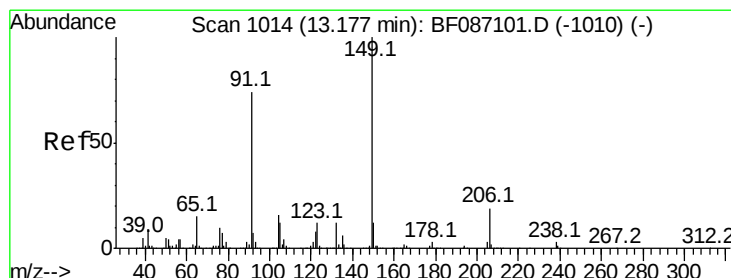
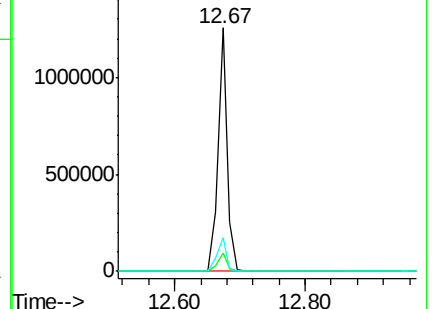
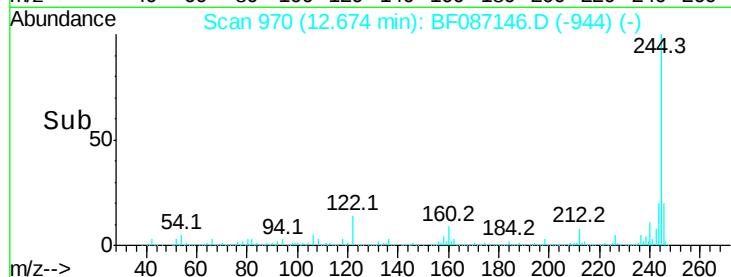
122 13.6 12.0 18.0



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. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

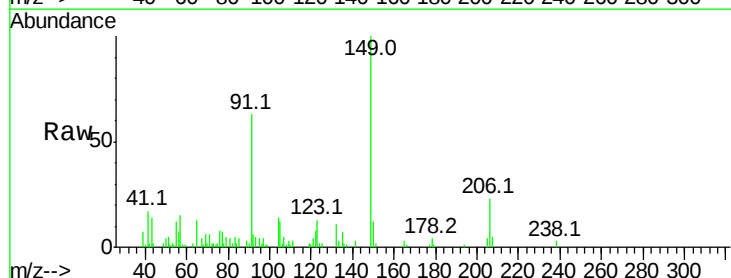
Tgt Ion:149 Resp: 33720

Ion Ratio Lower Upper

149 100

91 62.9 48.0 72.0

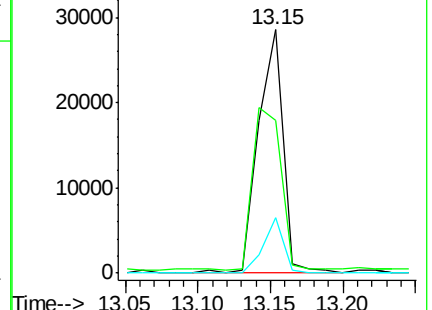
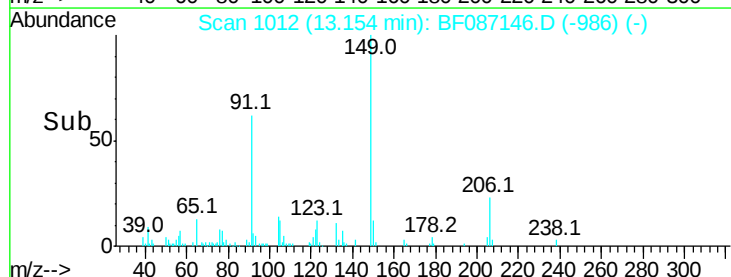
206 22.8 15.8 23.6

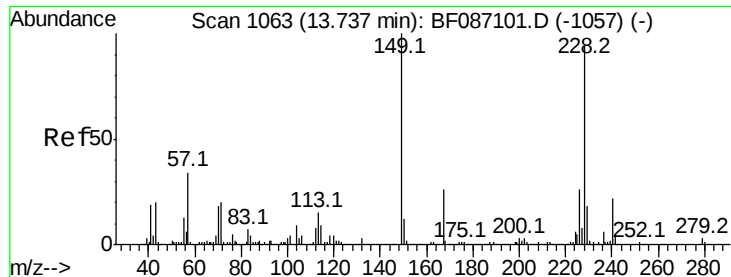


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.67 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

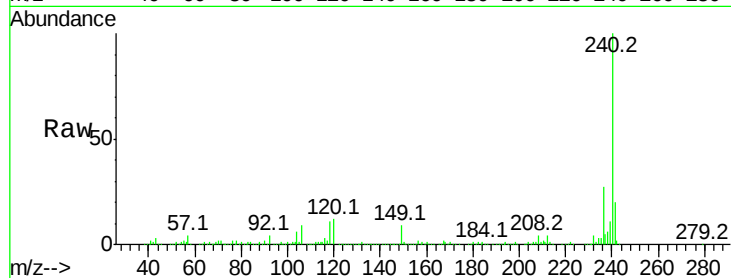
Tot Ion:149 Resp: 44485

Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.6

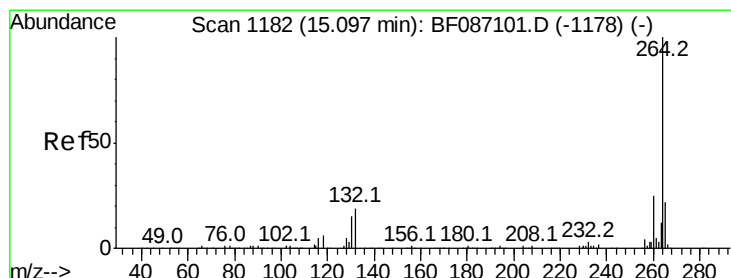
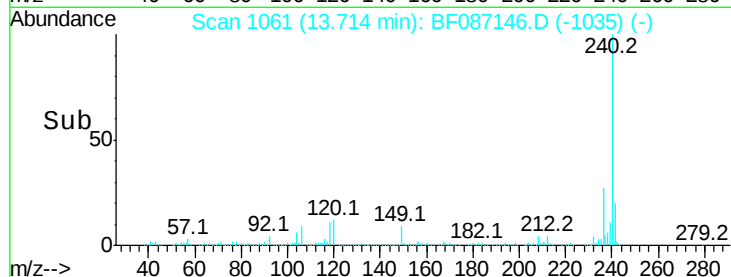
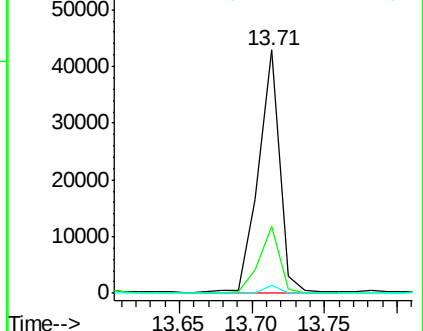
279 3.3 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF087146.D

Acq: 18 May 2016 16:23

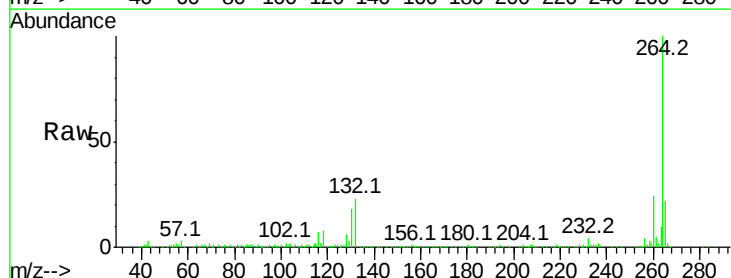
Tgt Ion:264 Resp: 370723

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

