

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

Manual Integrations
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MMDADODA
 10/5/2015 6:28:35 PM

Quant Time: Oct 03 04:04:22 2015
 Quant Method : H:\HPCHEM1\BNA F\Method\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						
32) Benzoic acid	7.90	122	11142m	9.77	ng	Qvalue

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

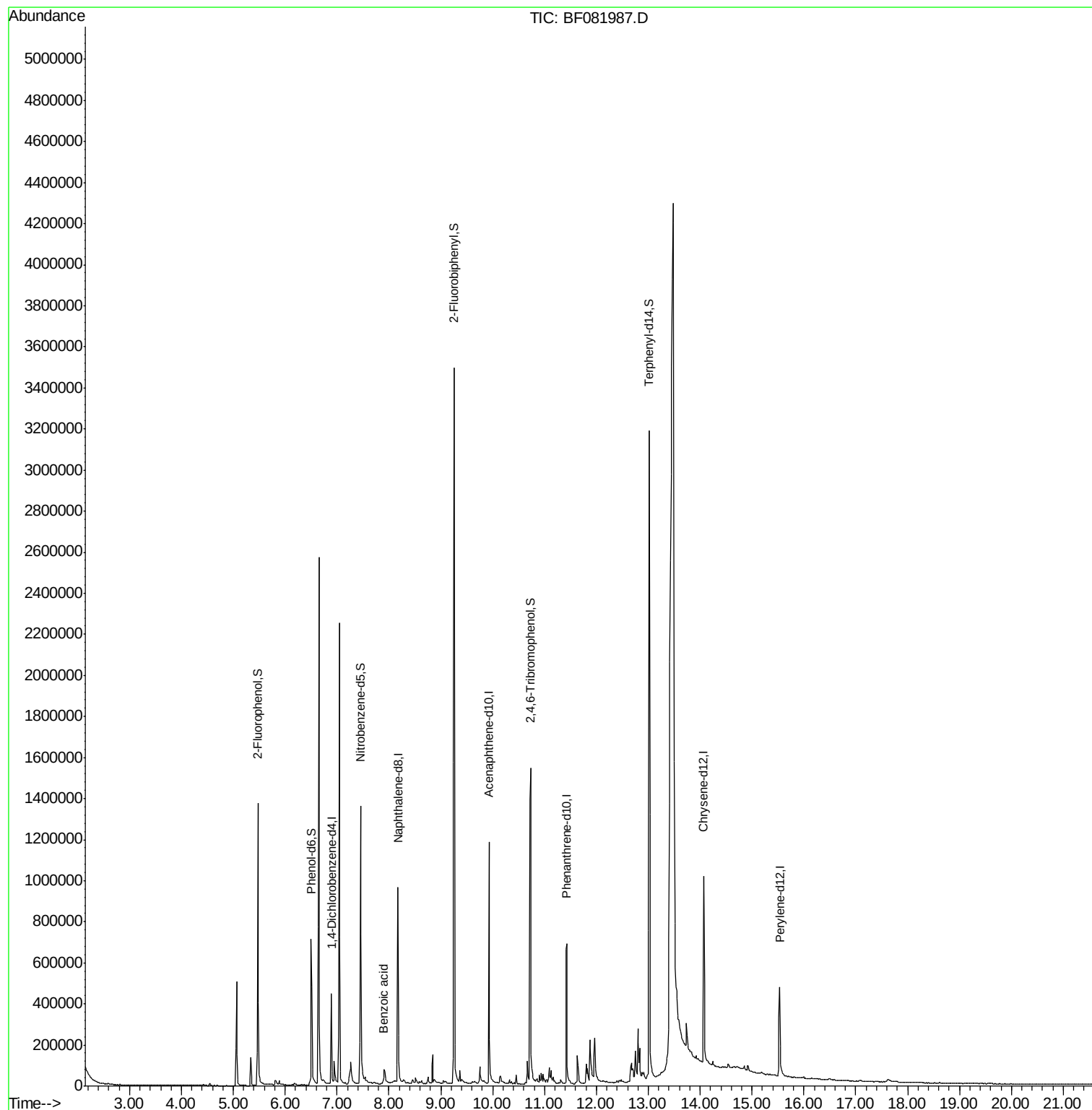
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
Data File : BF081987.D
Acq On : 2 Oct 2015 19:04
Operator : UM/IZ
Sample : G3885-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

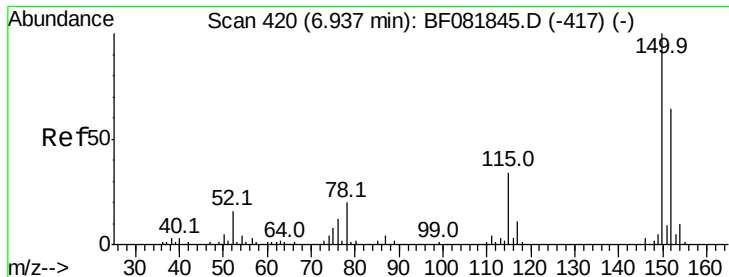
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

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Quant Time: Oct 03 04:04:22 2015
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Response via : Initial Calibration





#1

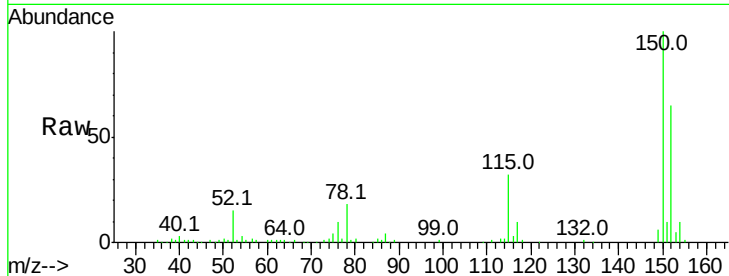
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. -0.05 min
Lab File: BF081987.D
Acq: 2 Oct 2015 19:04

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion	Ratio	Resp	Lower	Upper
152	100	115839		
150	153.8	124.7	187.1	
115	49.5	39.0	58.4	

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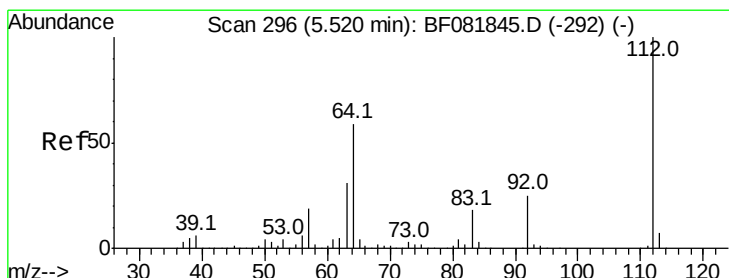
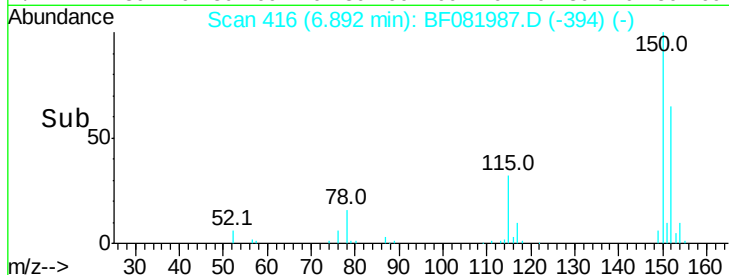
Abundance

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

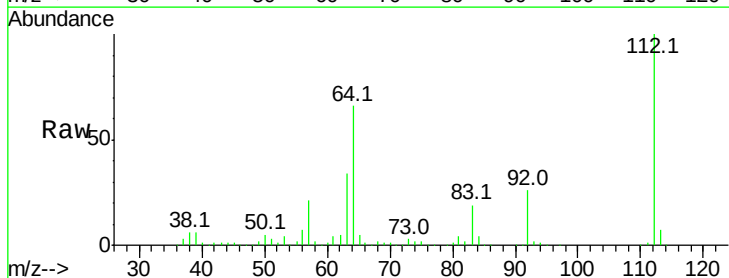
Time-->



#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	Ratio	Resp	Lower	Upper
112	100	425523		
64	65.6	39.7	59.5#	
63	33.9	17.4	26.0#	



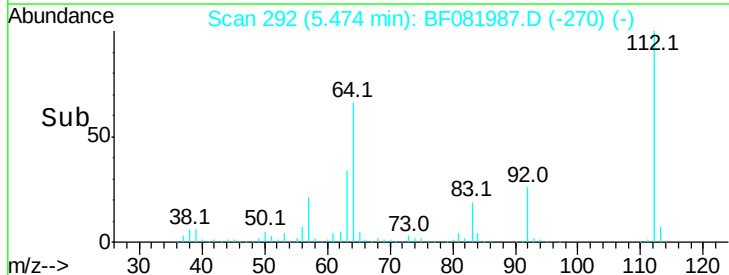
Abundance

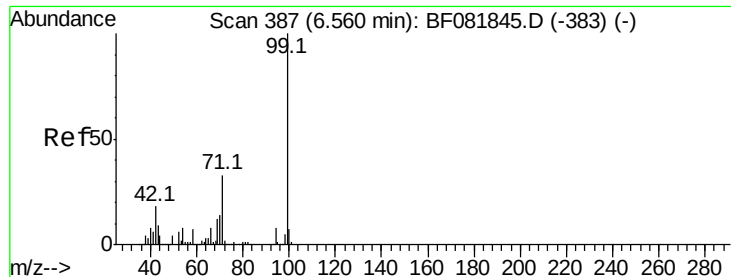
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#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 :

BNA_F

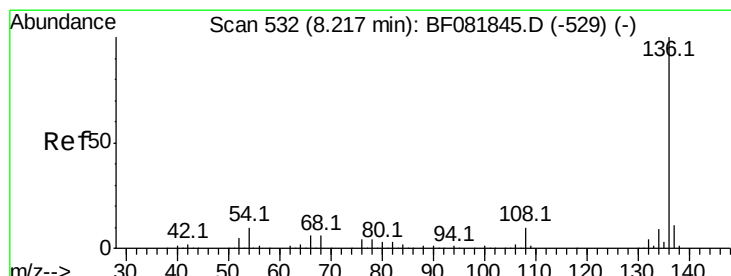
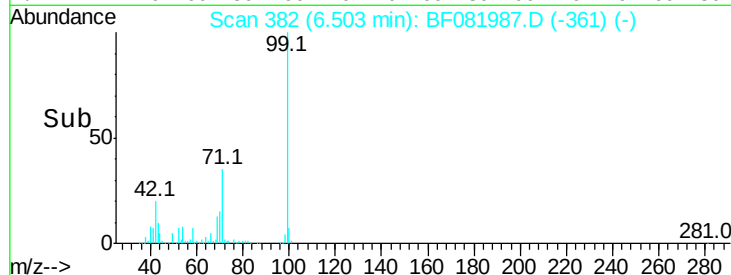
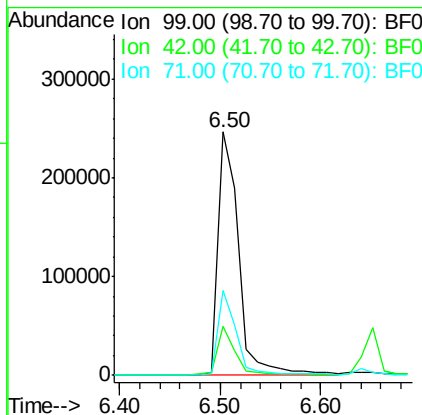
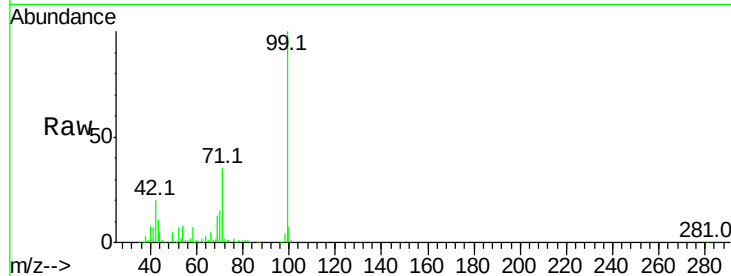
ClientSampleId :

GROUNDWATER

Tot Ion:	99	Resp:	351699
Ion Ratio	Lower	Upper	
99	100		
42	20.3	13.7	20.5
71	34.9	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

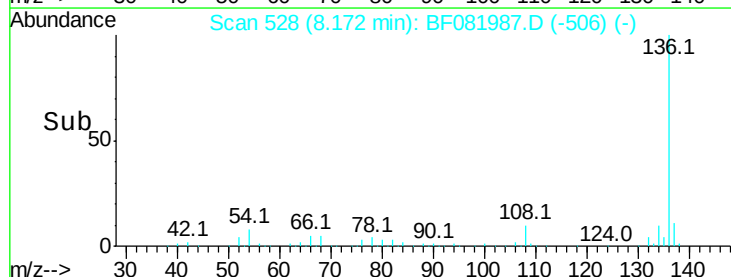
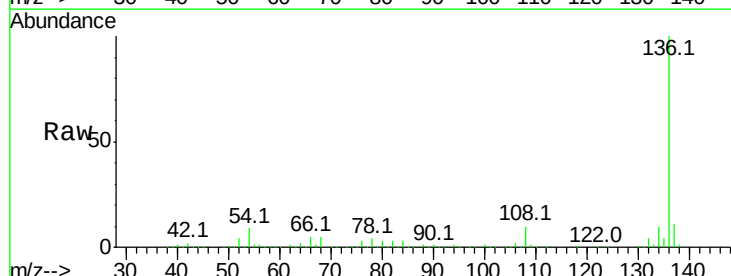
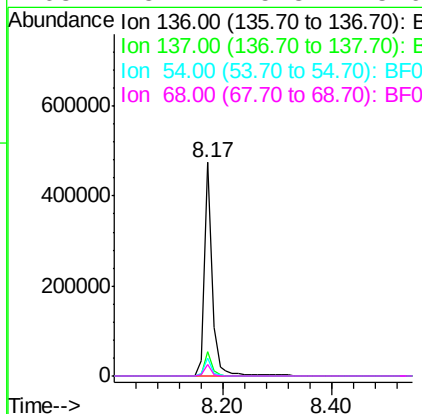
RT: 8.17 min Scan# 528

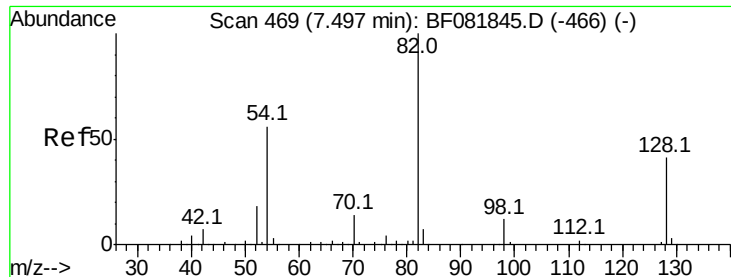
Delta R.T. -0.05 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

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#





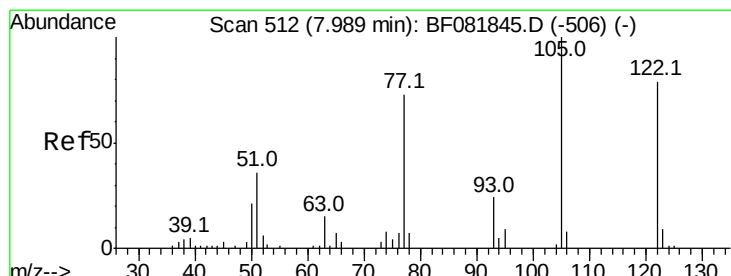
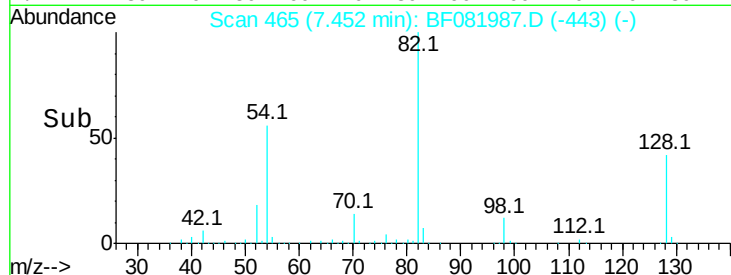
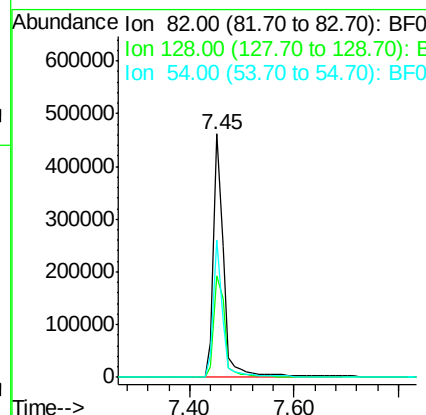
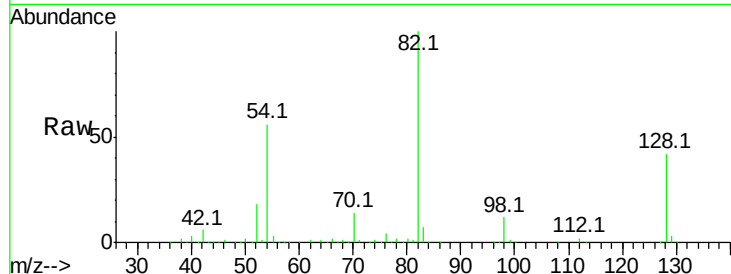
#23
 Nitrobenzene-d5
 Concen: 89.22 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.05 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	51.0	76.6#
54	56.4	47.5	71.3

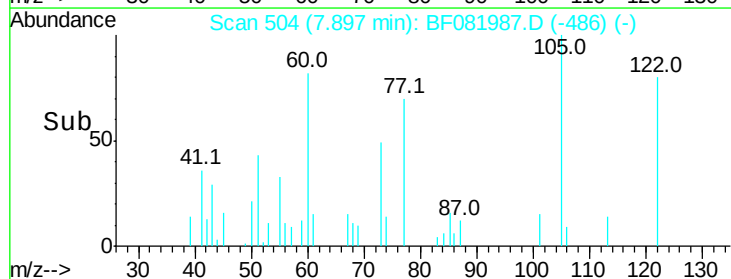
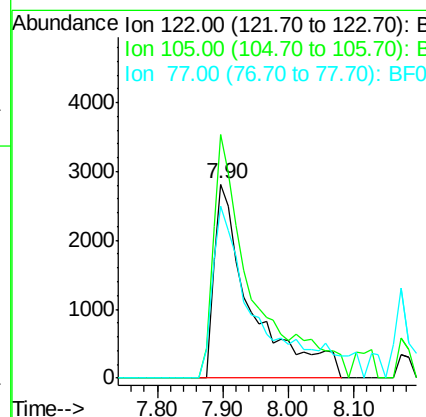
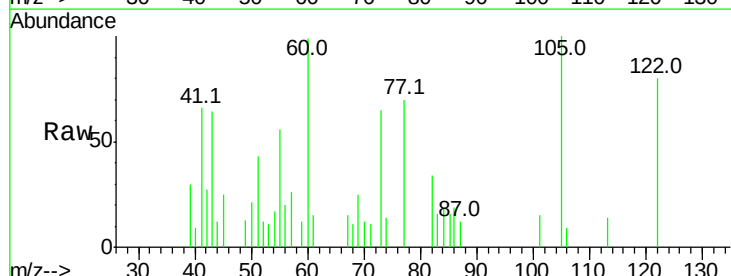
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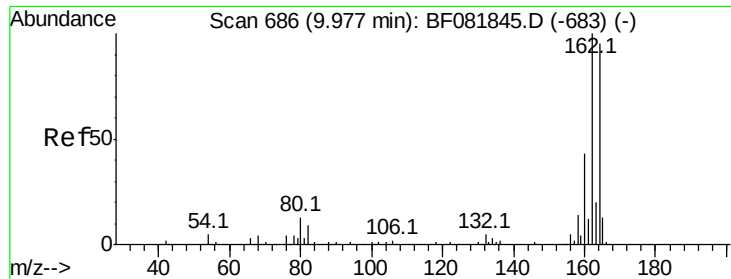
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#32
 Benzoic acid
 Concen: 9.77 ng m
 RT: 7.90 min Scan# 504
 Delta R.T. -0.09 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

Tgt 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

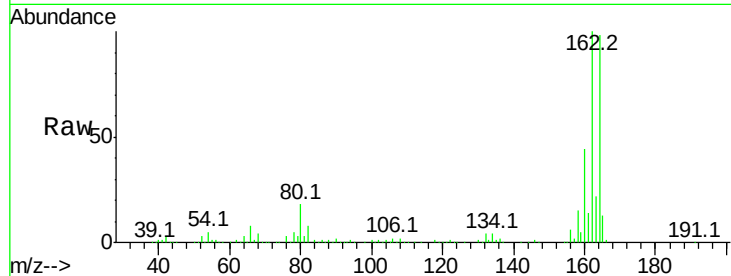
ClientSampleId :

GROUNDWATER

Tot Ion:	164	Resp:	238014
Ion Ratio	Lower	Upper	
164	100		
162	102.4	75.2	112.8
160	45.5	31.5	47.3

Manual Integrations
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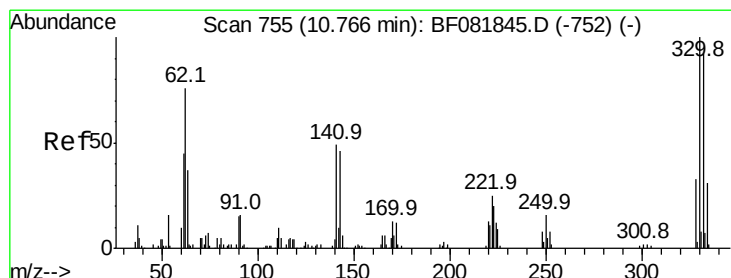
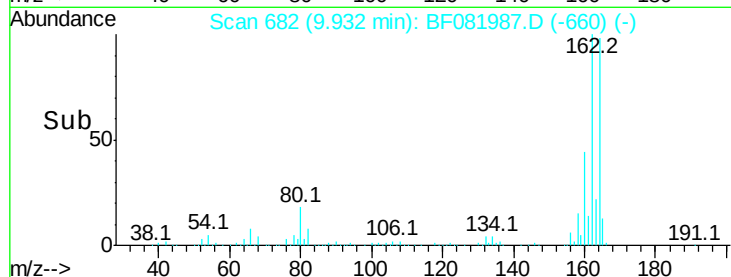
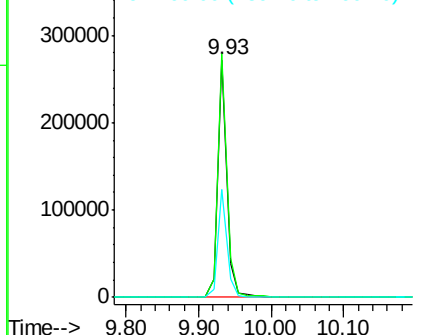
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Abundance Ion 164.00 (163.70 to 164.70): E

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

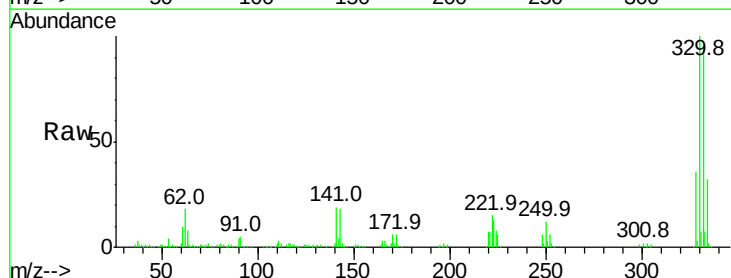
RT: 10.73 min Scan# 752

Delta R.T. -0.03 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

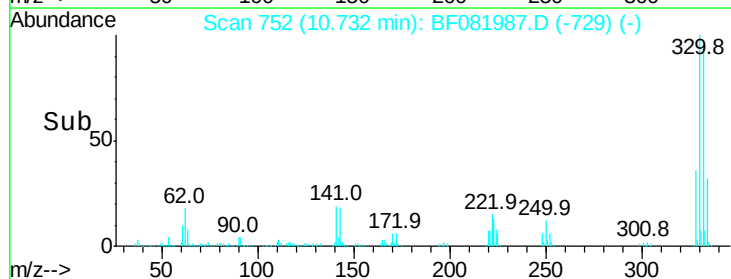
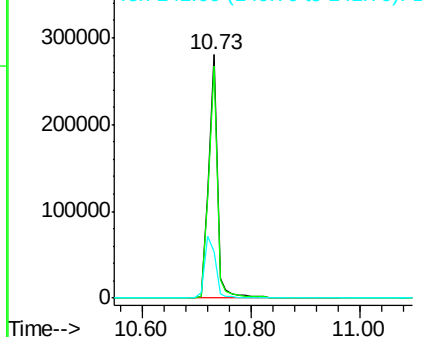
Tgt Ion:	330	Resp:	314920
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.6	114.8
141	31.5	29.7	44.5

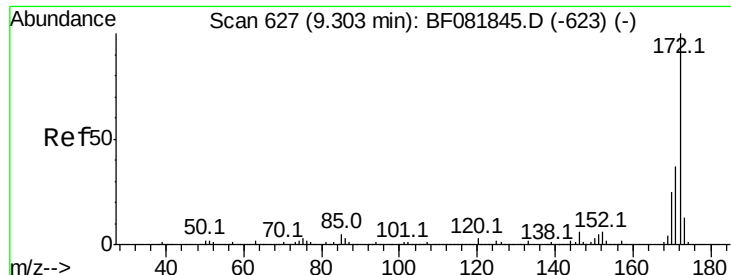


Abundance Ion 329.80 (329.50 to 330.50): E

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

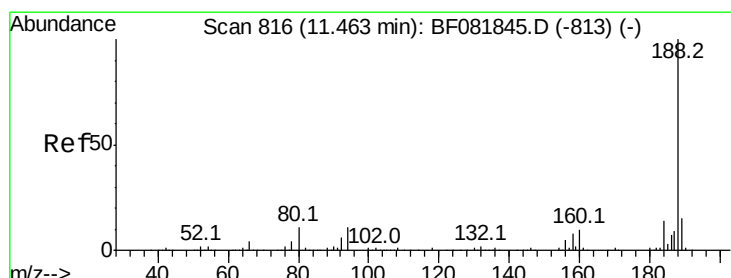
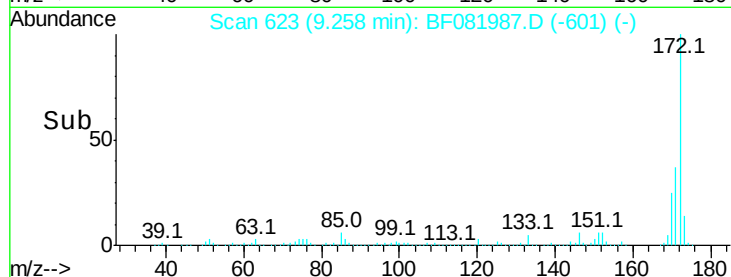
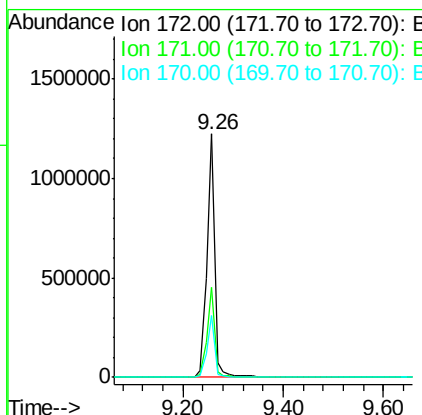
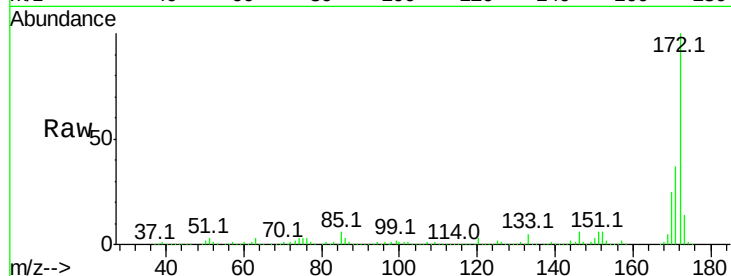
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion:172 Resp: 1335481

Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.1	39.1
170	25.3	17.4	26.2

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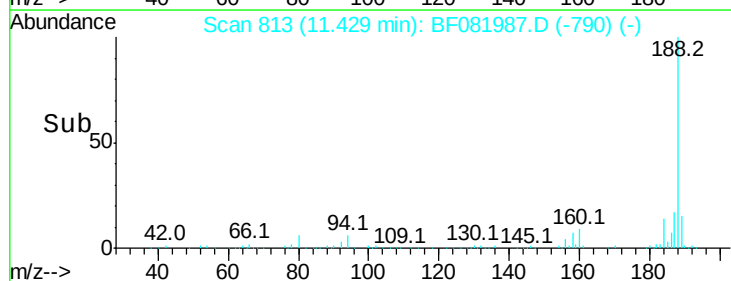
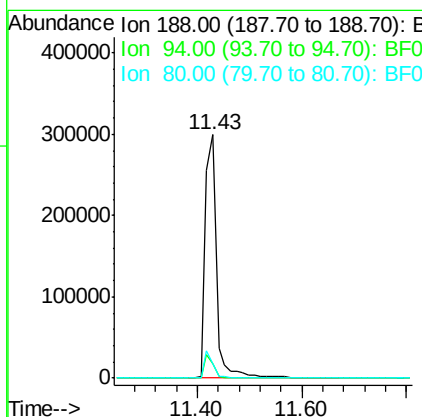
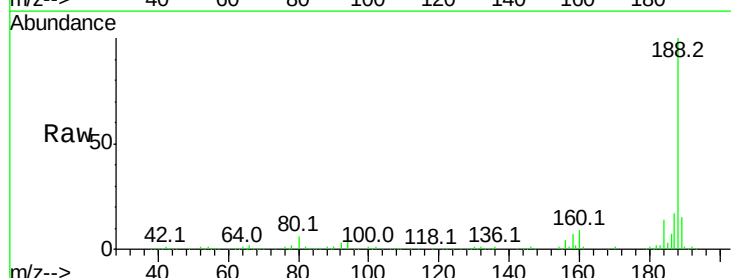
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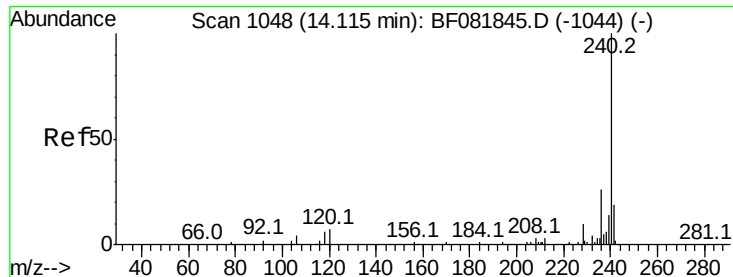


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 813
 Delta R.T. -0.03 min
 Lab File: BF081987.D
 Acq: 2 Oct 2015 19:04

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#





#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

Instrument :

BNA_F

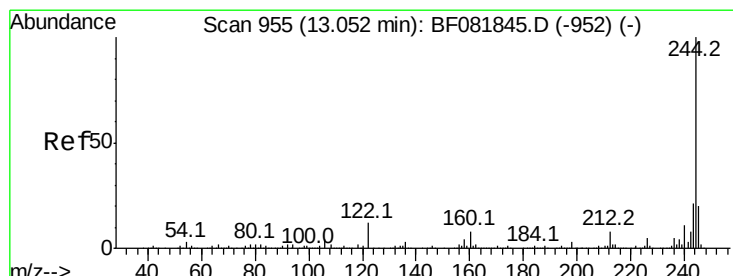
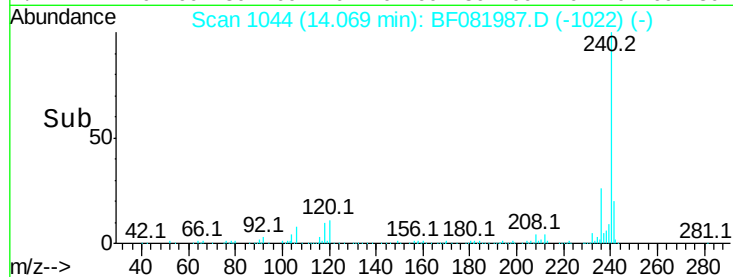
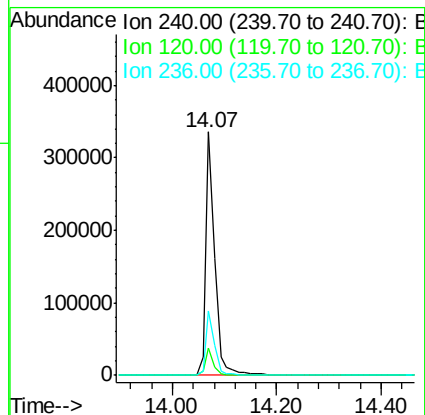
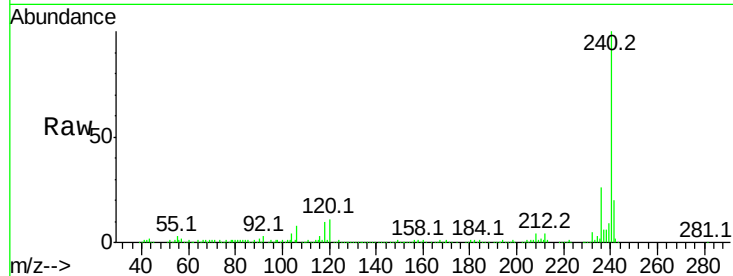
ClientSampleId :

GROUNDWATER

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

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#78

Terphenyl-d14

Concen: 113.61 ng

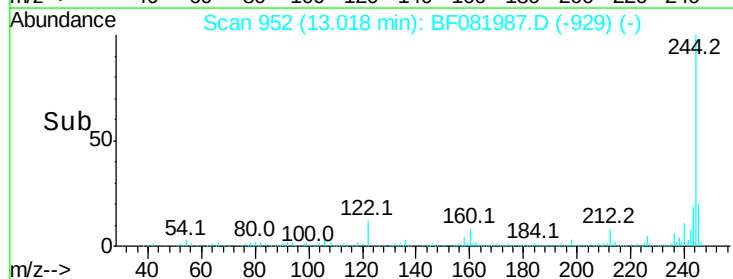
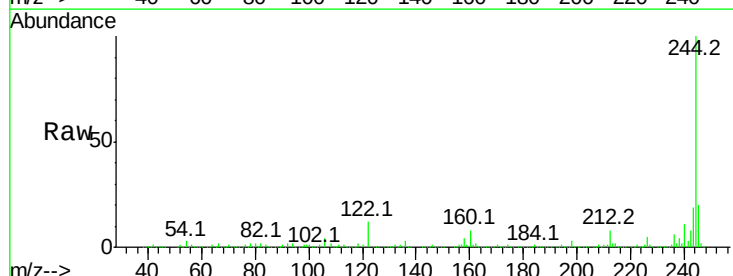
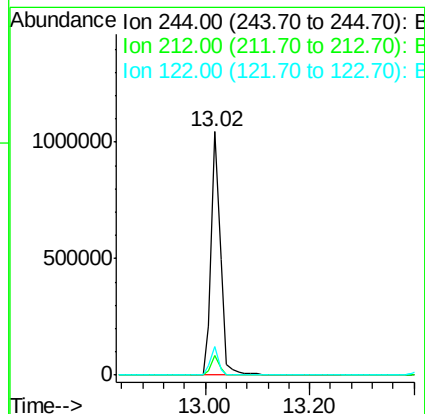
RT: 13.02 min Scan# 952

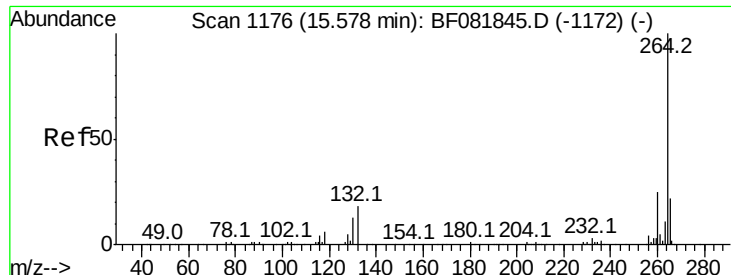
Delta R.T. -0.03 min

Lab File: BF081987.D

Acq: 2 Oct 2015 19:04

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#





#86
 Pervlene-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

Tot Ion:	264	Resp:	279750
Ion Ratio	Lower	Upper	
264	100		
260	23.4	16.7	25.1
265	20.9	17.2	25.8

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