

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114308.D
 Acq On : 16 May 2019 14:55
 Operator : JU/SJ
 Sample : K2852-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-GROUNDWATER

Quant Time: May 17 08:01:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

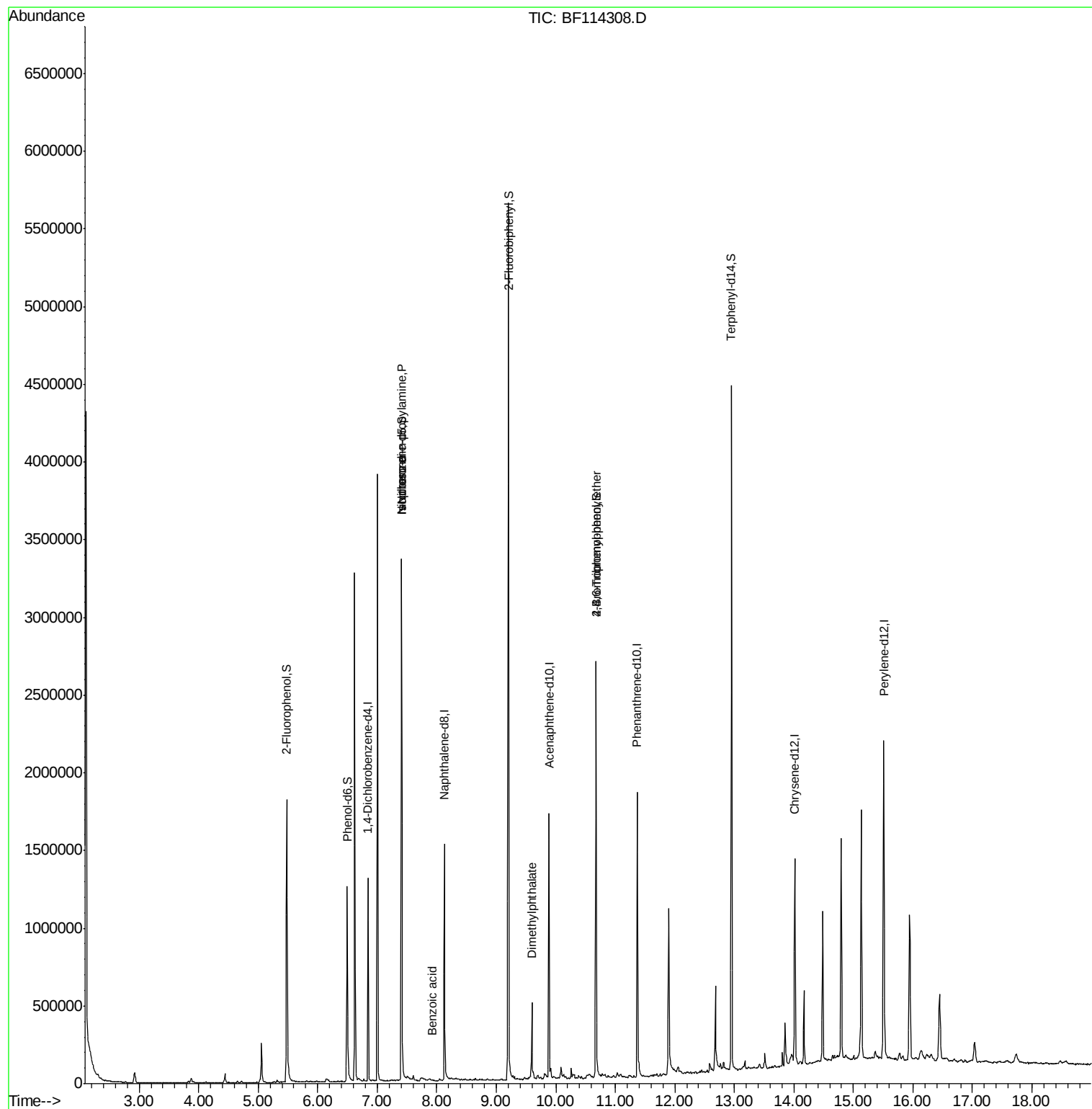
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	185698	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	726667	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	348777	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	698189	20.00	ng	0.00
76) Chrysene-d12	14.02	240	456482	20.00	ng	0.00
87) Perylene-d12	15.50	264	466700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	543081	47.06	ng	0.00
7) Phenol-d6	6.49	99	480684	35.22	ng	0.00
23) Nitrobenzene-d5	7.41	82	1038238	80.18	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	315428	87.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1741827	75.54	ng	0.00
79) Terphenyl-d14	12.95	244	1555800	70.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	138806	16.046	ng	# 75
25) Isophorone	7.41	82	1038230	43.234	ng	# 64
32) Benzoic acid	7.93	122	153	7.039	ng	# 66
50) Dimethylphthalate	9.60	163	207753	8.114	ng	100
67) 4-Bromophenyl-phenylether	10.67	248	20813	2.707	ng	# 1

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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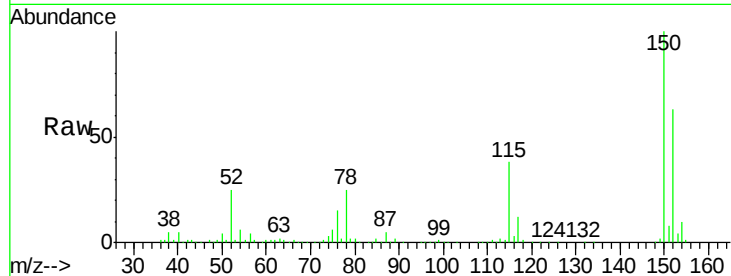


#1

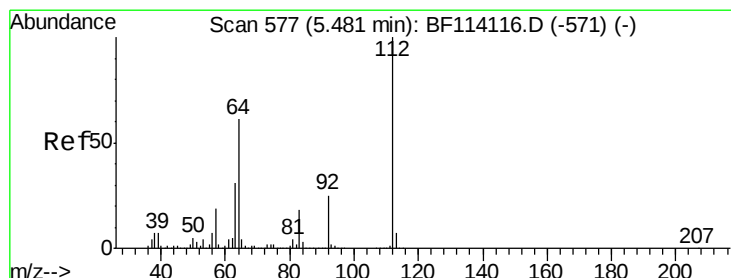
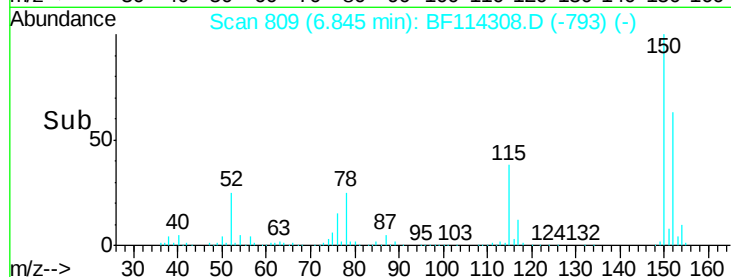
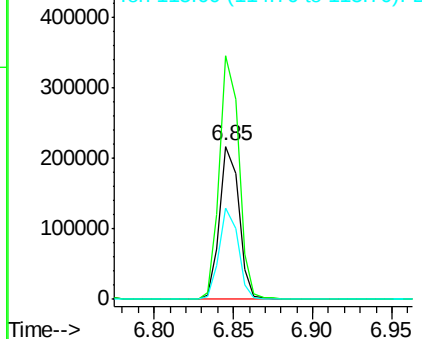
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114308.D
Acq: 16 May 2019 14:55

Instrument :
BNA_F
ClientSampleId :
TP-GROUNDWATER

Tot Ion:152 Resp: 185698
Ion Ratio Lower Upper
152 100
150 158.9 124.3 186.5
115 60.0 49.1 73.7



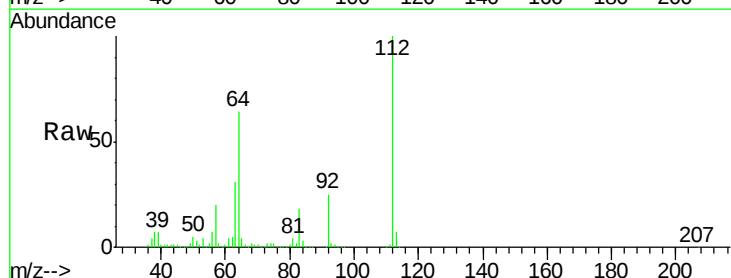
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



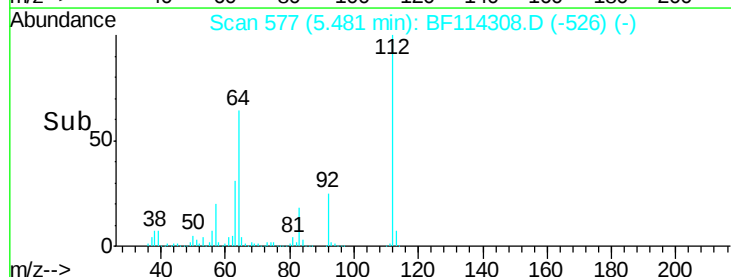
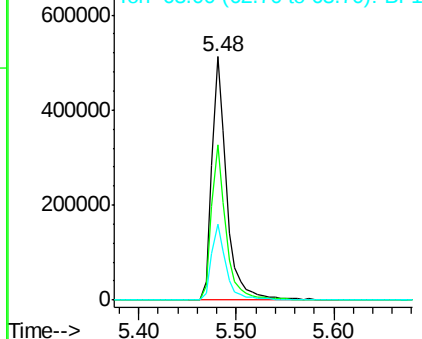
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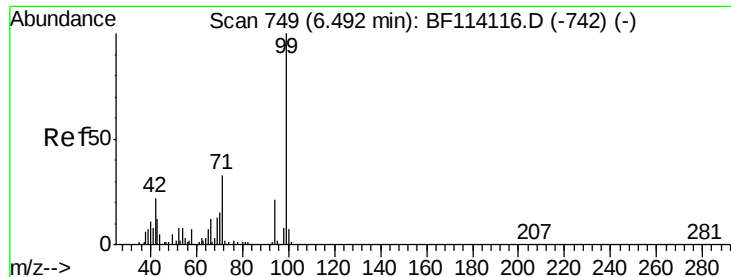
2-Fluorophenol
Concen: 47.063 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114308.D
Acq: 16 May 2019 14:55

Tgt Ion:112 Resp: 543081
Ion Ratio Lower Upper
112 100
64 63.7 49.0 73.6
63 31.1 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.220 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

Instrument :

BNA_F

ClientSampleId :

TP-GROUNDWATER

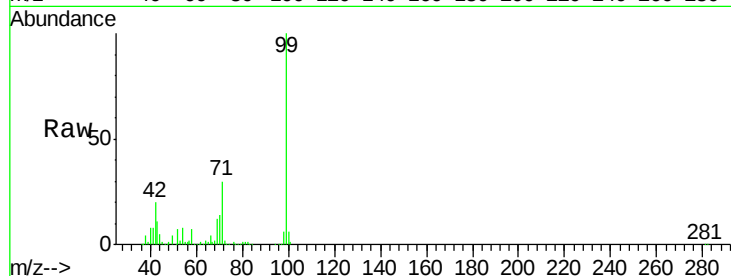
Tot Ion: 99 Resp: 480684

Ion Ratio Lower Upper

99 100

42 20.2 17.9 26.9

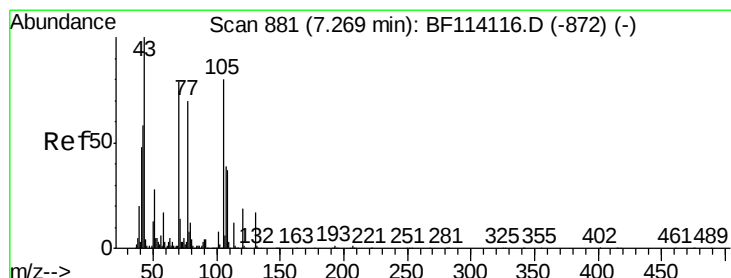
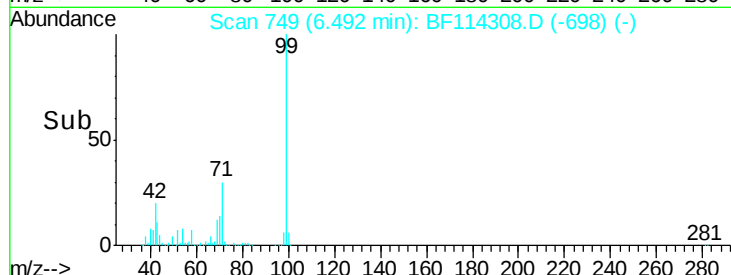
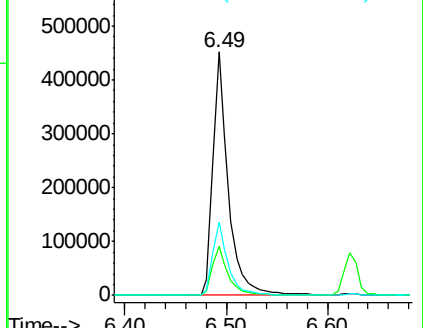
71 30.1 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.046 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

Tgt Ion: 70 Resp: 138806

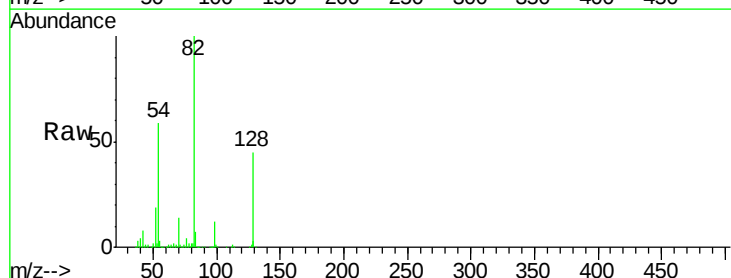
Ion Ratio Lower Upper

70 100

42 56.3 58.6 87.8#

101 0.0 7.8 11.8#

130 2.6 17.1 25.7#

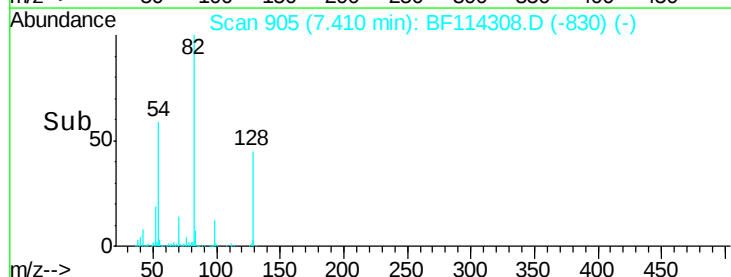
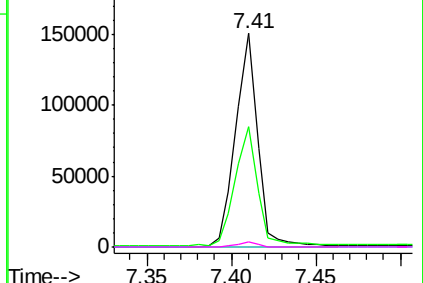


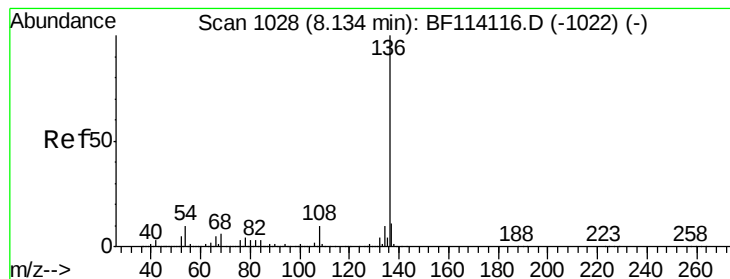
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

Instrument :

BNA_F

ClientSampleId :

TP-GROUNDWATER

Tot Ion:136 Resp: 726667

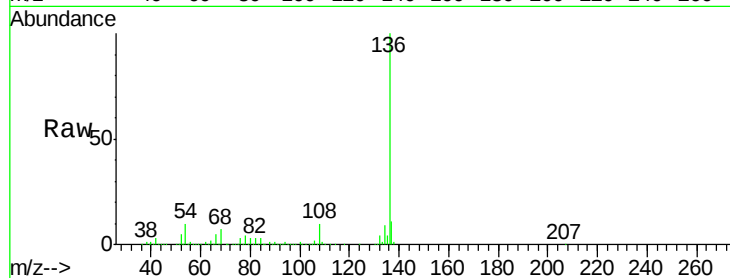
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.9 7.8 11.8

68 6.7 5.1 7.7

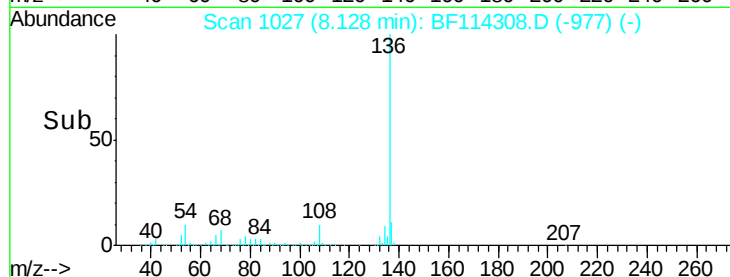


Abundance Ion 136.00 (135.70 to 136.70): E

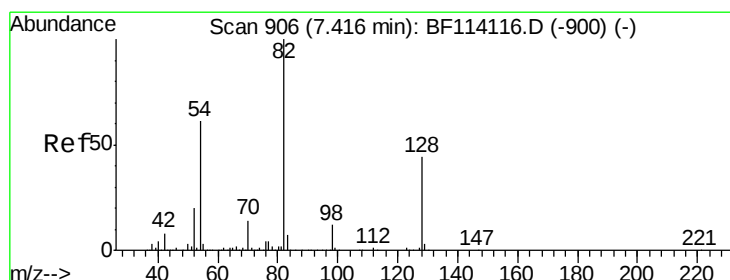
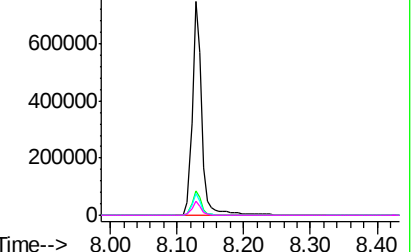
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 80.183 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

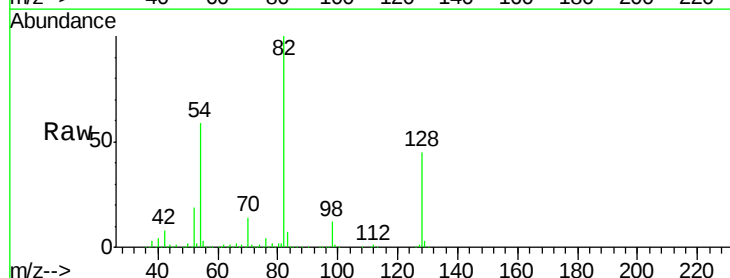
Tgt Ion: 82 Resp: 1038238

Ion Ratio Lower Upper

82 100

128 44.9 35.5 53.3

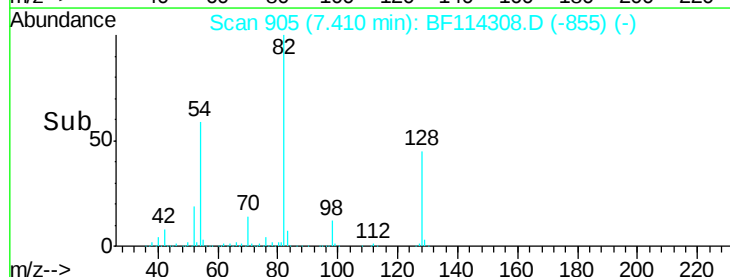
54 59.1 48.5 72.7



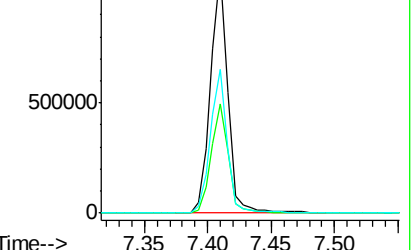
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 43.234 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

Instrument :

BNA_F

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TP-GROUNDWATER

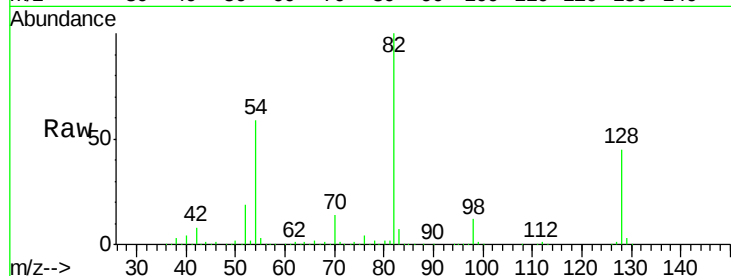
Tot Ion: 82 Resp: 1038230

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

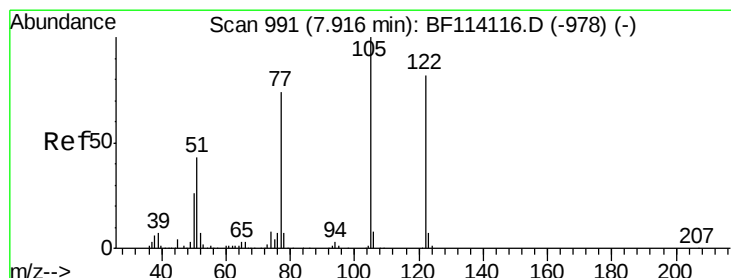
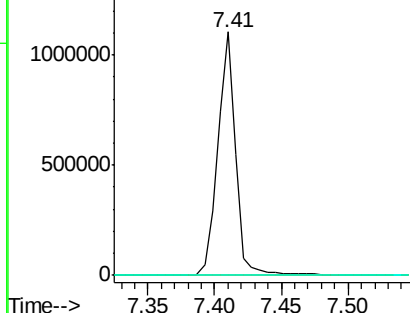
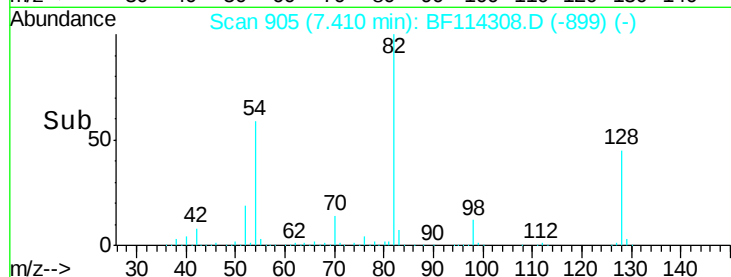
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.039 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF114308.D

Acq: 16 May 2019 14:55

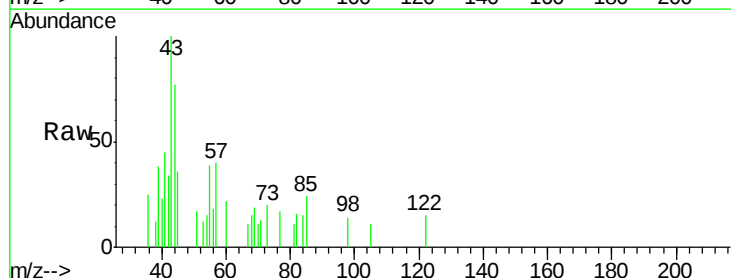
Tgt Ion: 122 Resp: 153

Ion Ratio Lower Upper

122 100

105 72.4 99.9 139.9#

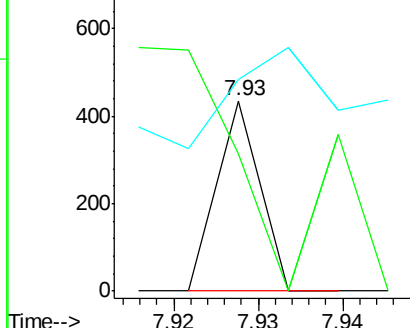
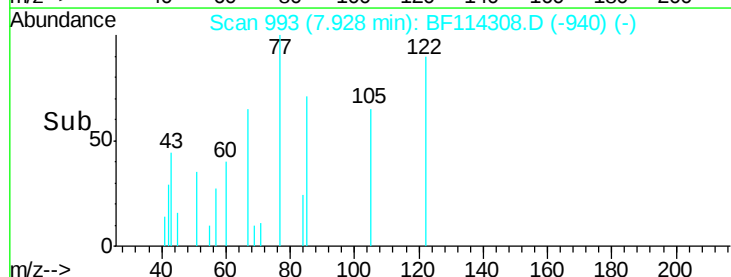
77 111.0 69.4 109.4#

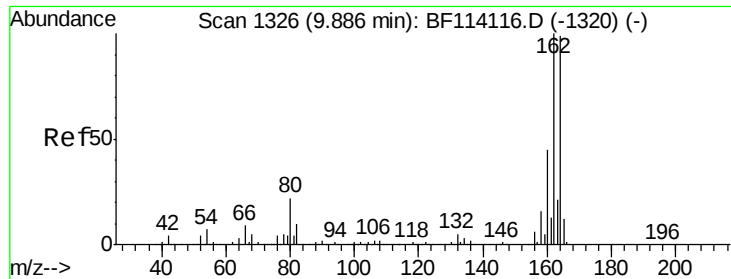


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

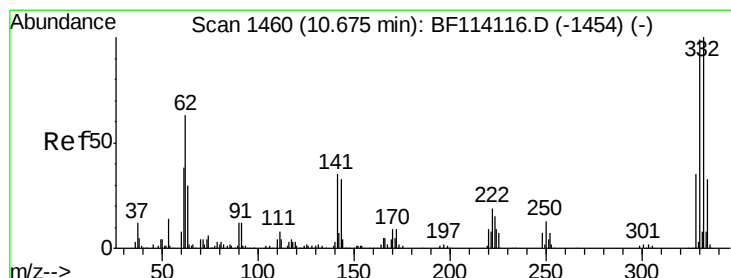
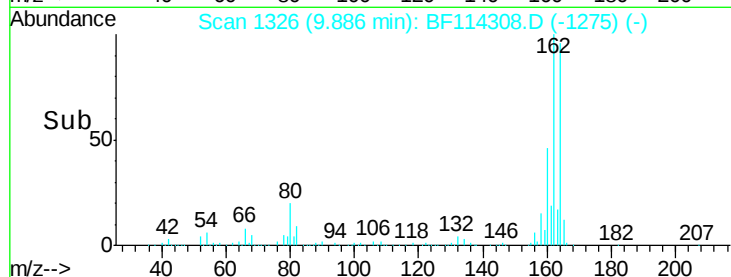
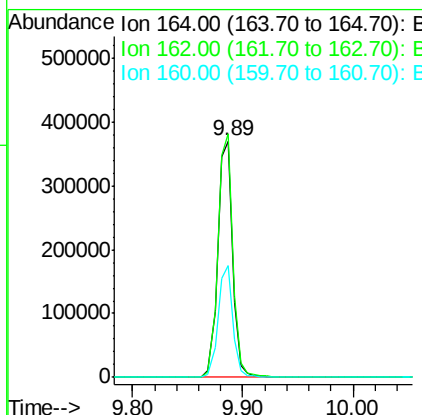
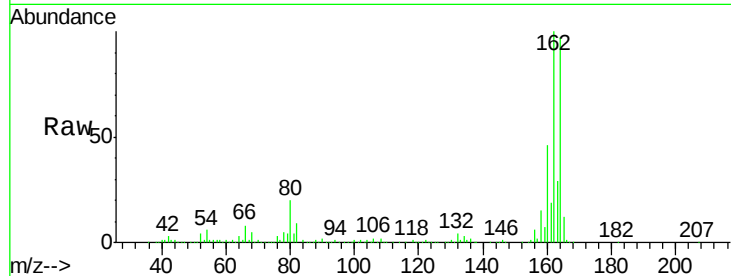




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

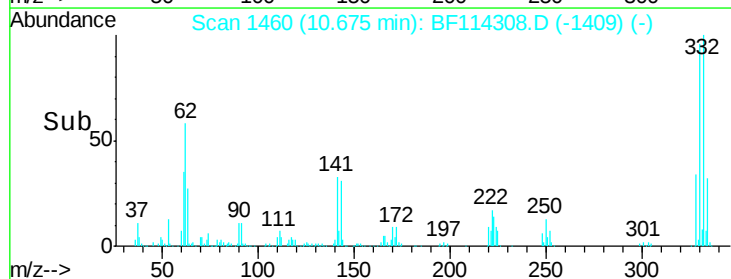
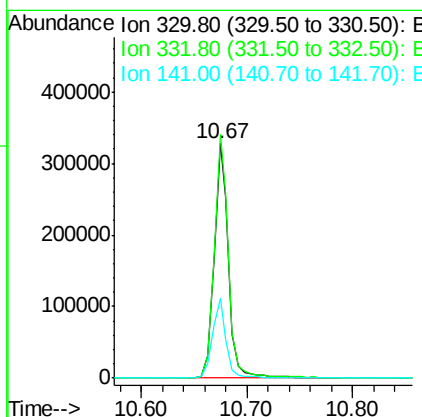
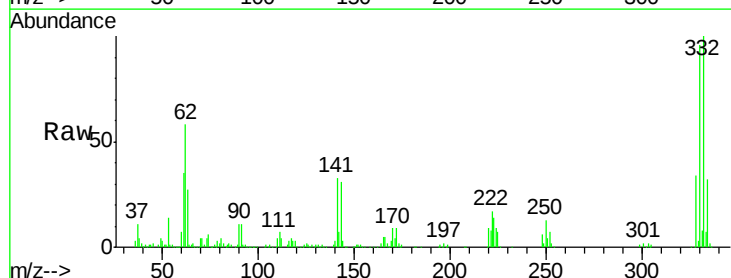
Instrument :
 BNA_F
 ClientSampleId :
 TP-GROUNDWATER

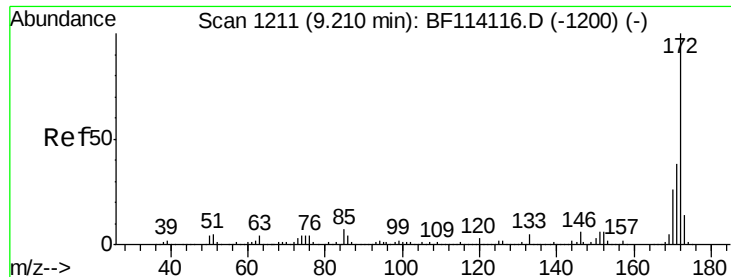
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	120.8
160	47.4	36.5	54.7



#42
 2,4,6-Tribromophenol
 Concen: 87.479 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.7	81.4	122.2
141	32.6	26.6	40.0



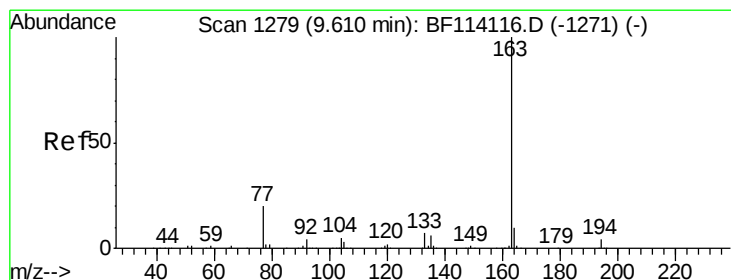
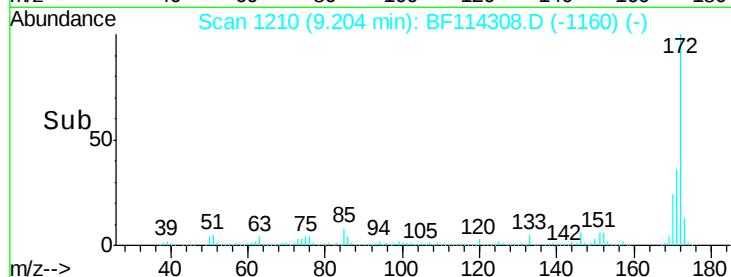
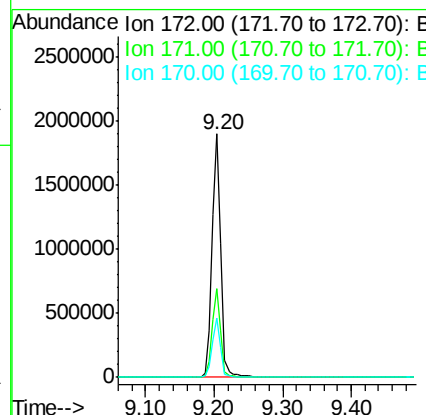
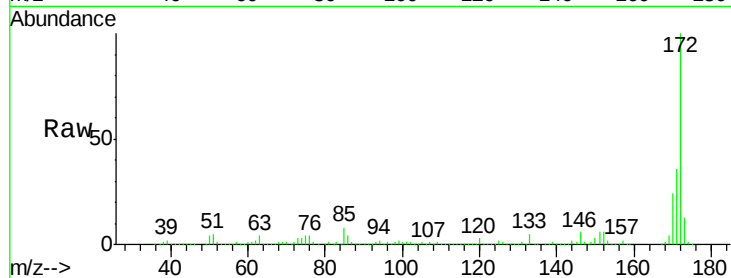


#45
 2-Fluorobiphenyl
 Concen: 75.544 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-GROUNDWATER

Tot Ion:172 Resp: 1741827

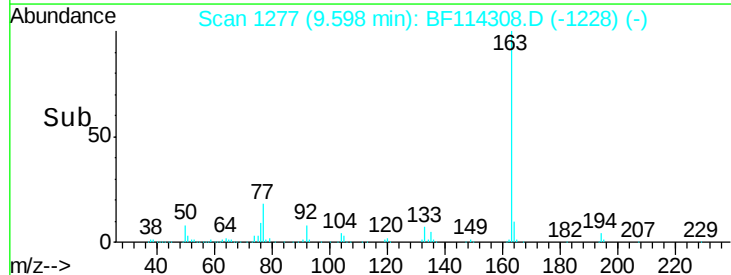
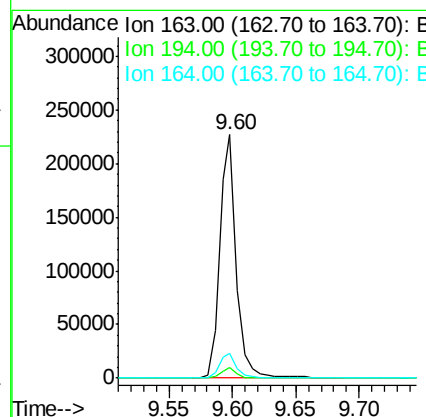
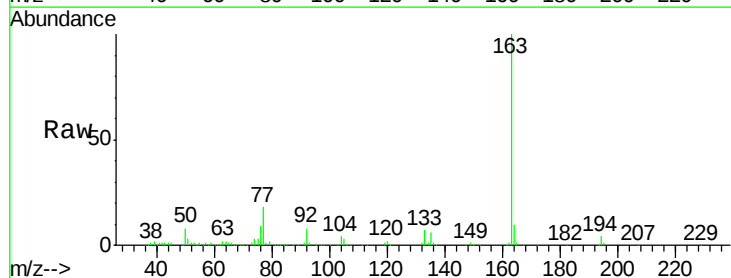
Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.7	46.1
170	24.2	20.5	30.7

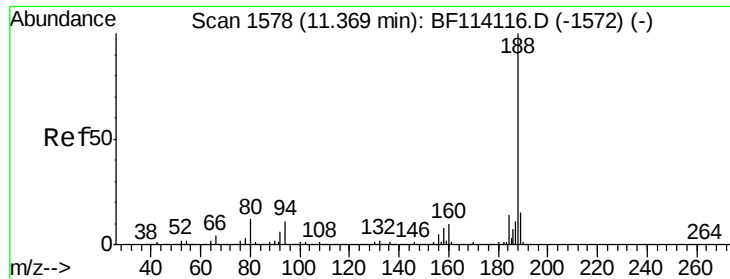


#50
 Dimethylphthalate
 Concen: 8.114 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

Tgt Ion:163 Resp: 207753

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.2	12.2

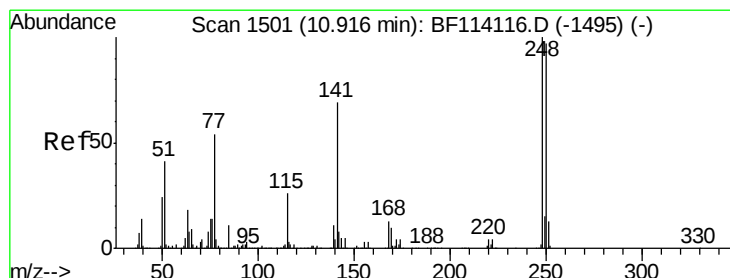
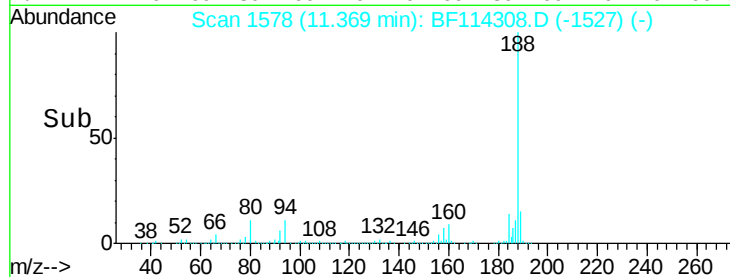
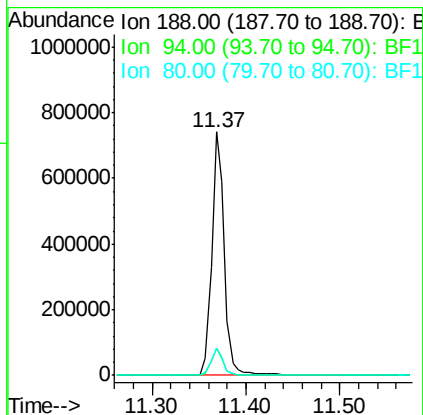
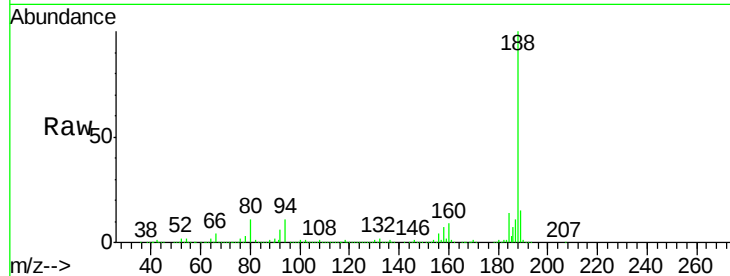




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

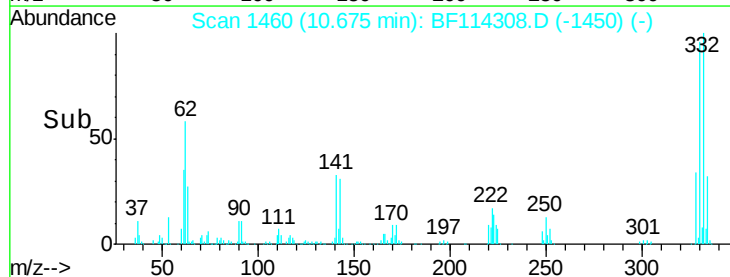
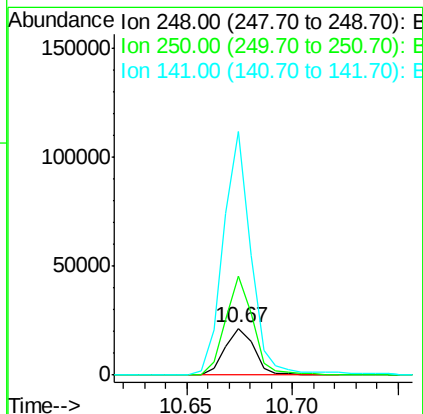
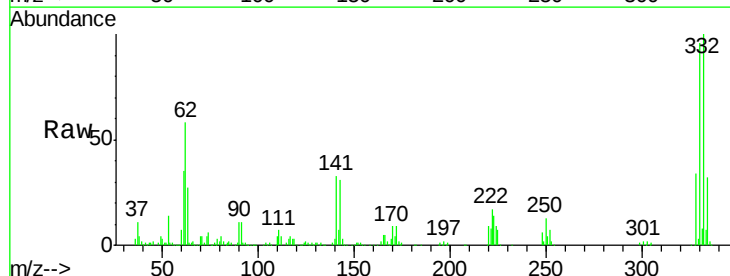
Instrument :
 BNA_F
 ClientSampleId :
 TP-GROUNDWATER

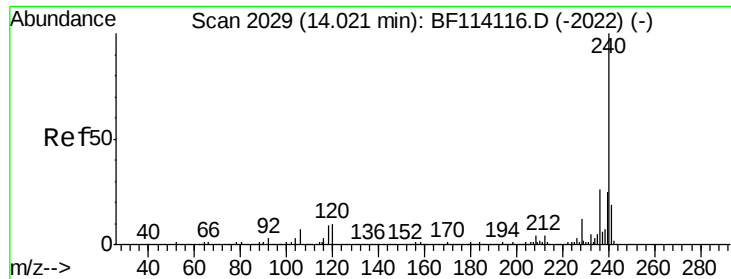
Tot Ion:188 Resp: 698189
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.4 12.6
 80 11.2 9.2 13.8



#67
 4-Bromophenyl-phenylether
 Concen: 2.707 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114308.D
 Acq: 16 May 2019 14:55

Tgt Ion:248 Resp: 20813
 Ion Ratio Lower Upper
 248 100
 250 212.7 77.4 116.2#
 141 520.1 55.6 83.4#

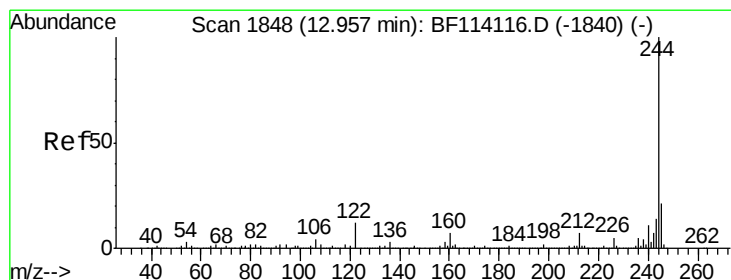
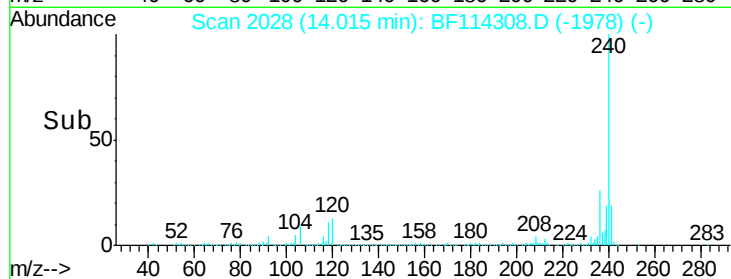
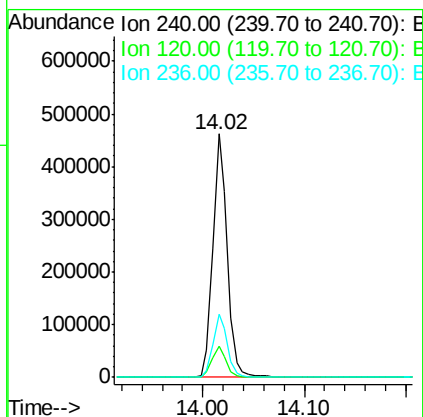
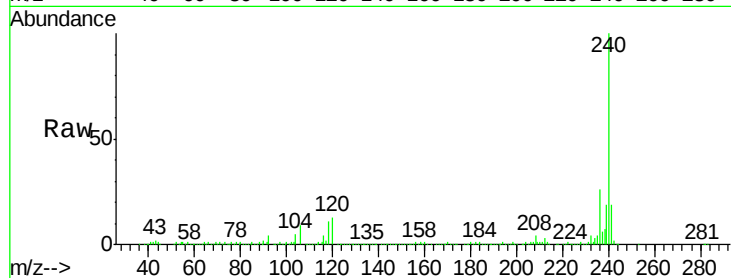




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114308.D
Acq: 16 May 2019 14:55

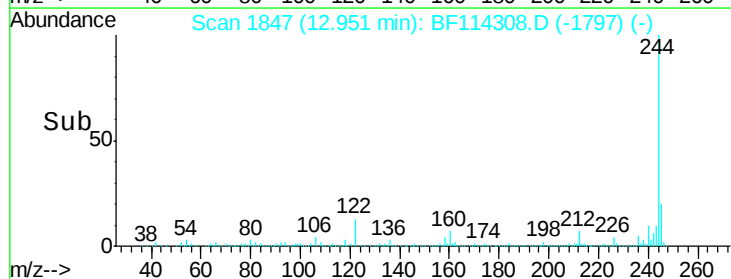
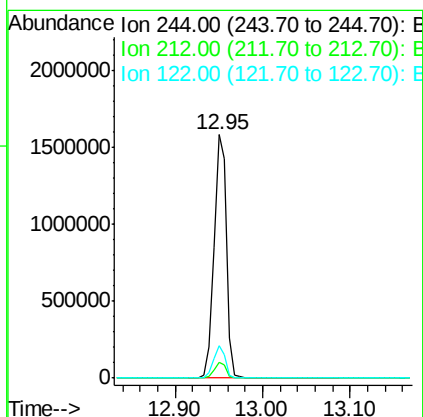
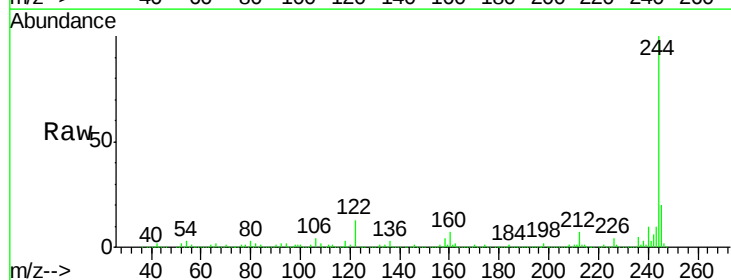
Instrument :
BNA_F
ClientSampleId :
TP-GROUNDWATER

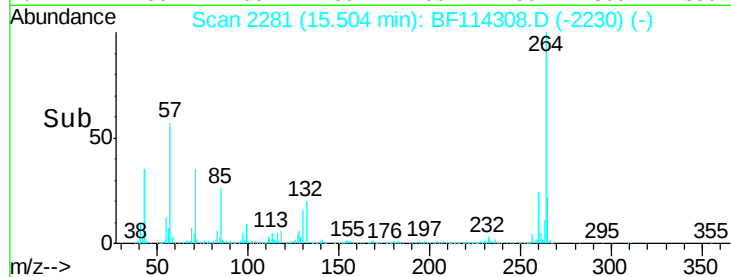
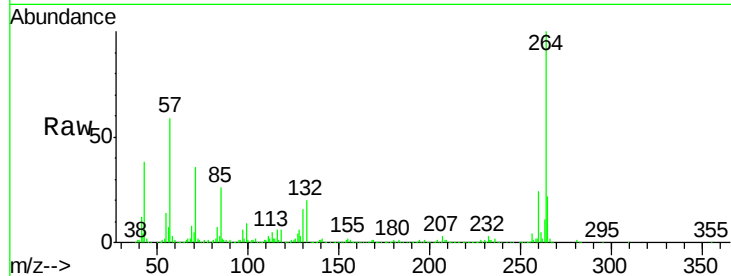
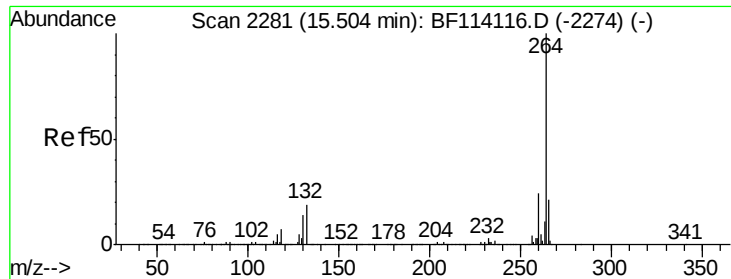
Tot Ion:240 Resp: 456482
Ion Ratio Lower Upper
240 100
120 13.0 8.3 12.5#
236 26.0 20.8 31.2



#79
Terphenyl-d14
Concen: 70.259 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114308.D
Acq: 16 May 2019 14:55

Tgt Ion:244 Resp: 1555800
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 13.2 9.4 14.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF114308.D
Acq: 16 May 2019 14:55

Instrument :
BNA_F
ClientSampleId :
TP-GROUNDWATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.6	16.9	25.3

