

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\
 Data File : BF120663.D
 Acq On : 19 Jun 2020 14:59
 Operator : JU/CG
 Sample : L3048-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Jun 19 15:35:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

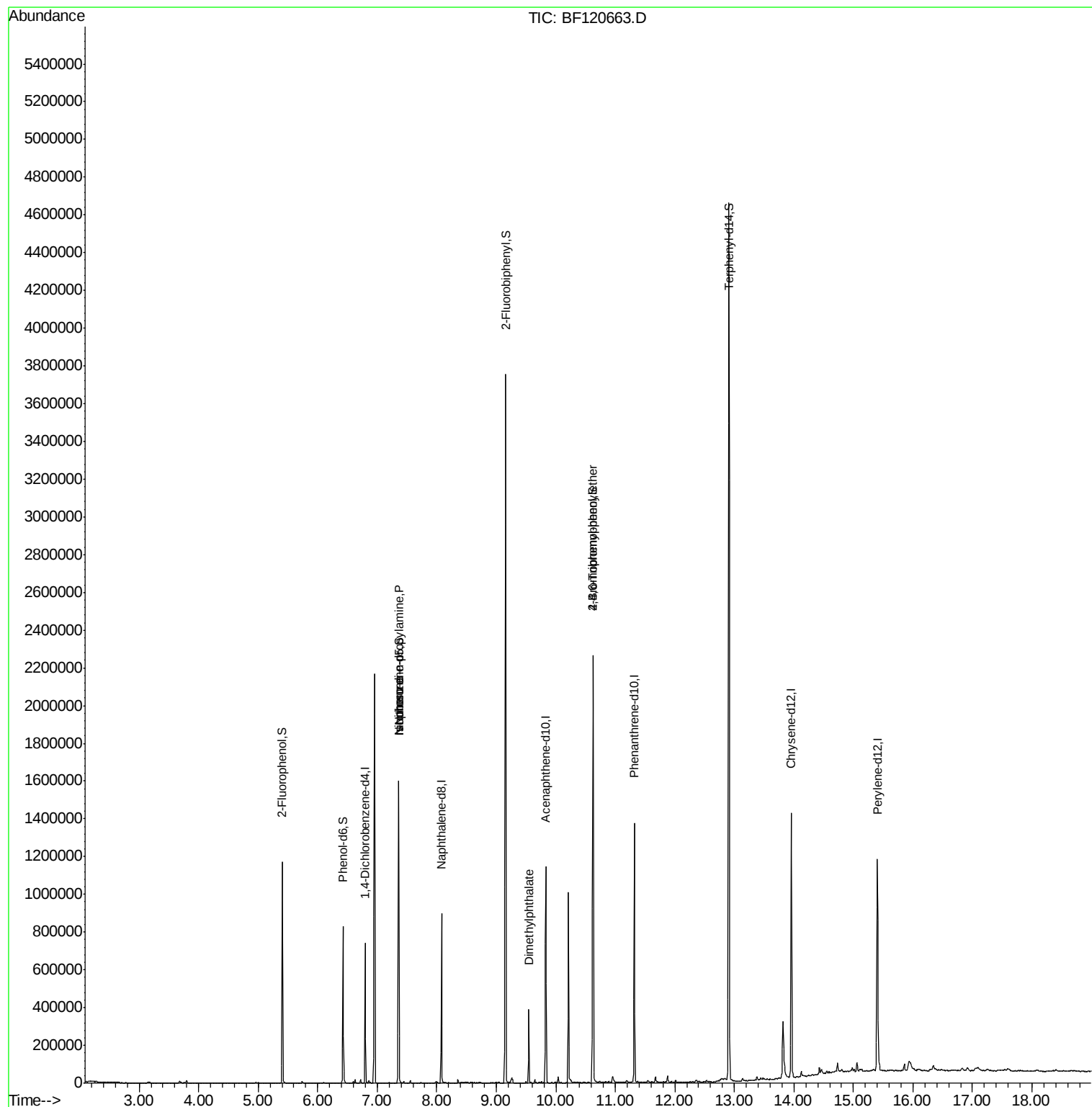
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106293	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	384093	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	215054	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	542992	20.00	ng	0.00
76) Chrysene-d12	13.96	240	491293	20.00	ng	0.00
86) Perylene-d12	15.40	264	499504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	326815	52.71	ng	-0.01
7) Phenol-d6	6.43	99	269723	34.93	ng	-0.01
23) Nitrobenzene-d5	7.36	82	549863	80.02	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	312987	125.18	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1165888	82.95	ng	0.00
79) Terphenyl-d14	12.91	244	1861934	83.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	72970	16.291	ng	# 75
25) Isophorone	7.36	82	547596	40.910	ng	# 62
50) Dimethylphthalate	9.55	163	140942	9.100	ng	99
67) 4-Bromophenyl-phenylether	10.63	248	18666	3.029	ng	# 1

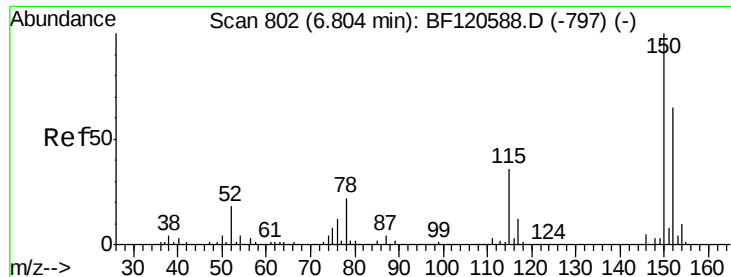
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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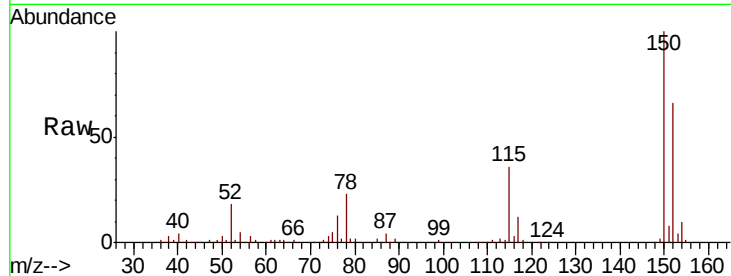


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120663.D
Acq: 19 Jun 2020 14:59

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.2	184.8
115	55.1	43.9	65.9

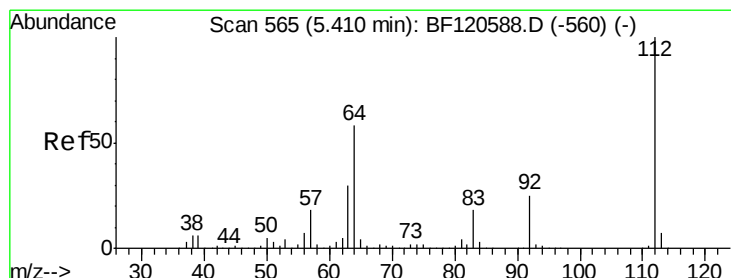
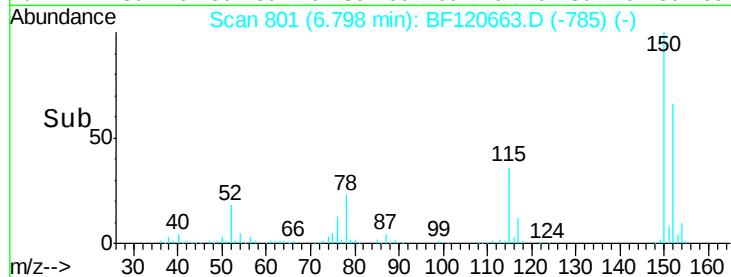
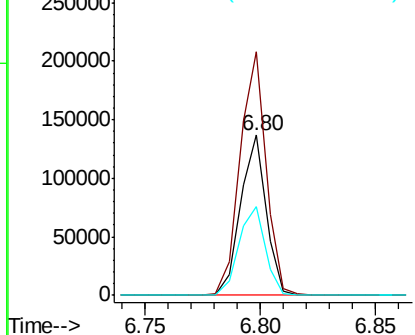


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

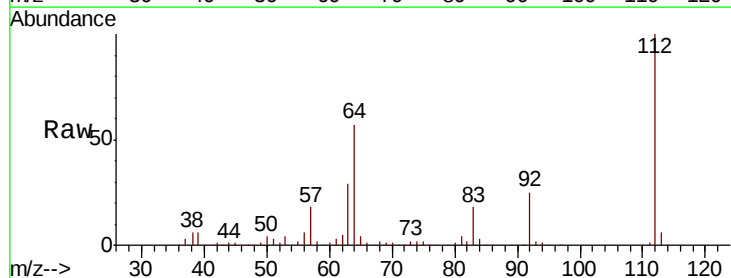
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.714 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120663.D
Acq: 19 Jun 2020 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.1	69.1
63	29.2	23.7	35.5

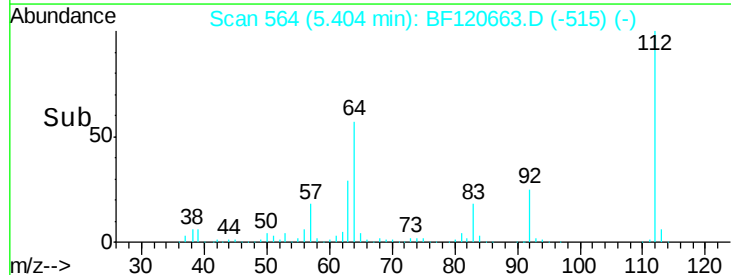
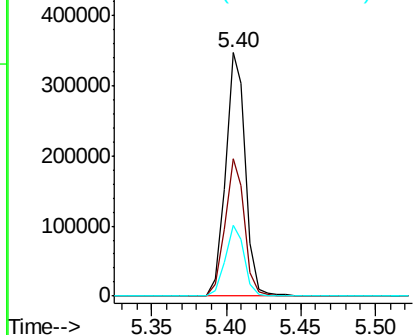


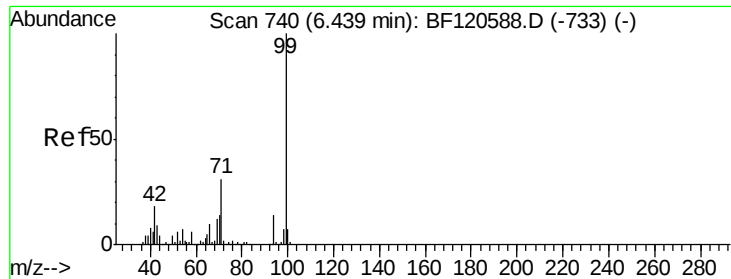
Abundance

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: 34.930 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

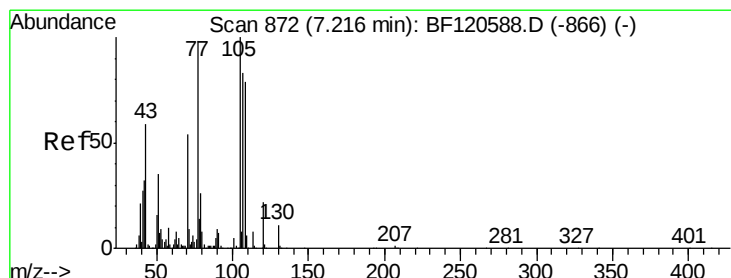
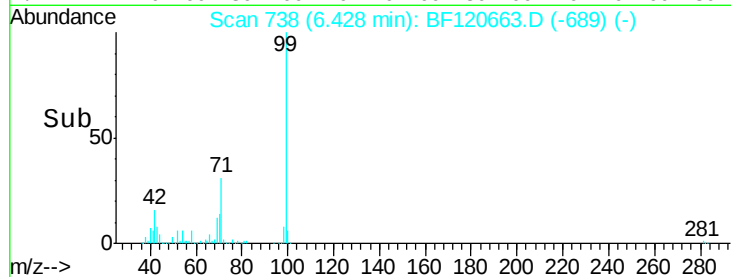
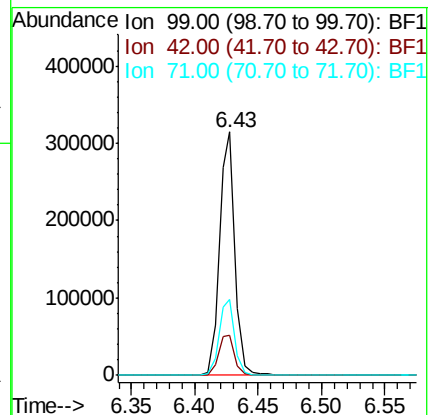
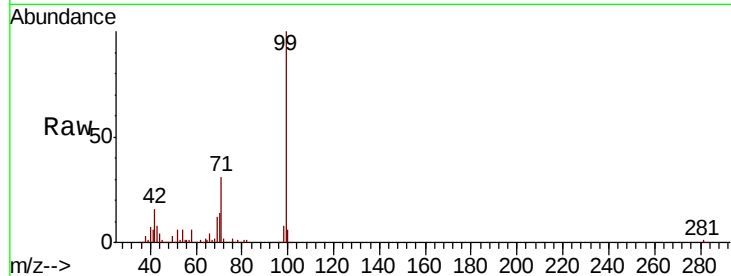
Tot Ion: 99 Resp: 269723

Ion Ratio Lower Upper

99 100

42 16.4 14.0 21.0

71 31.4 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.291 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

Tgt Ion: 70 Resp: 72970

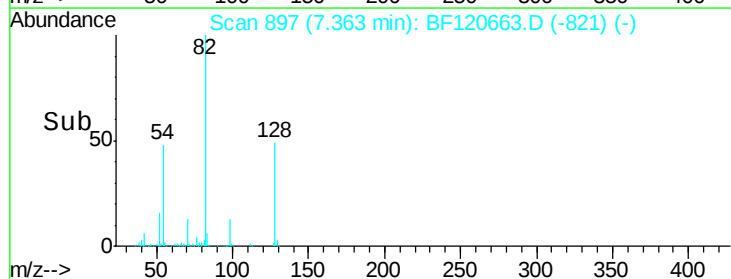
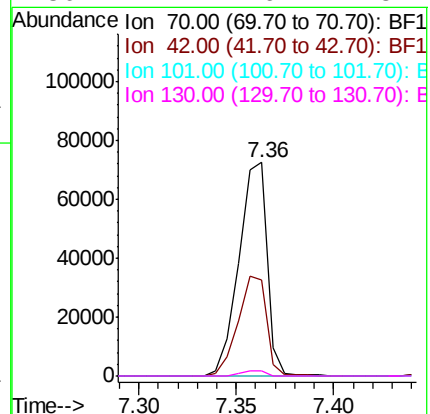
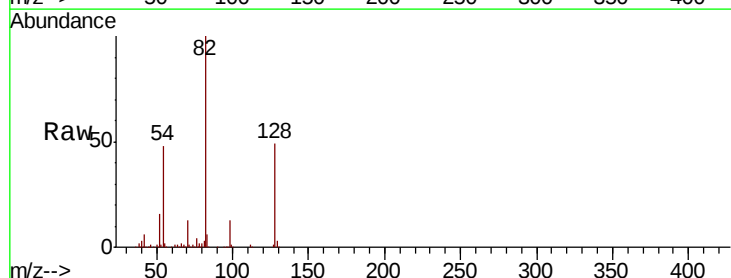
Ion Ratio Lower Upper

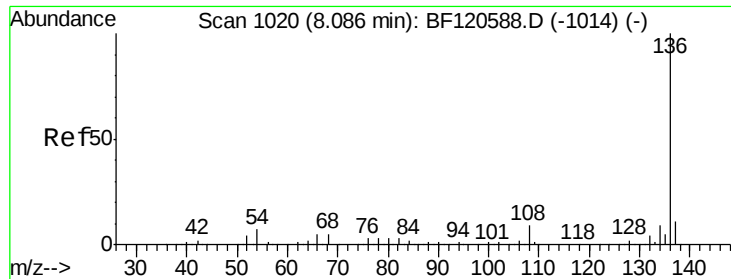
70 100

42 44.9 47.7 71.5#

101 0.0 7.6 11.4#

130 2.4 16.7 25.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

Tot Ion:136 Resp: 384093

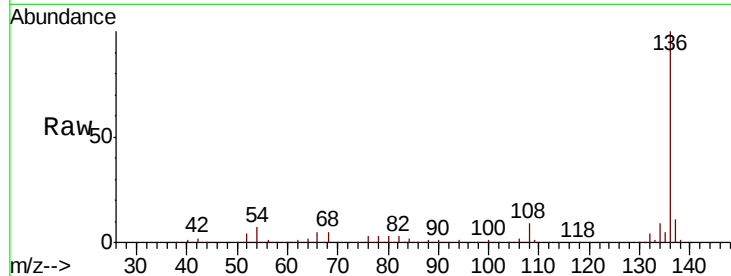
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.9 5.8 8.6

68 5.2 4.4 6.6

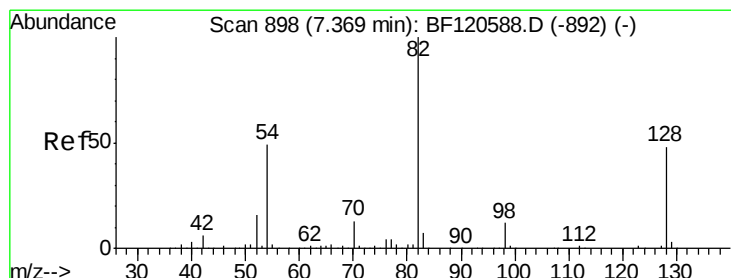
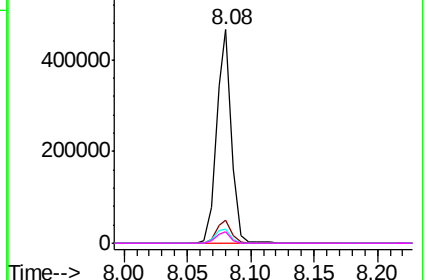
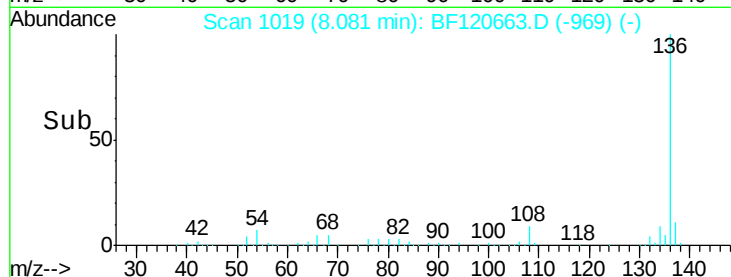


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 80.021 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

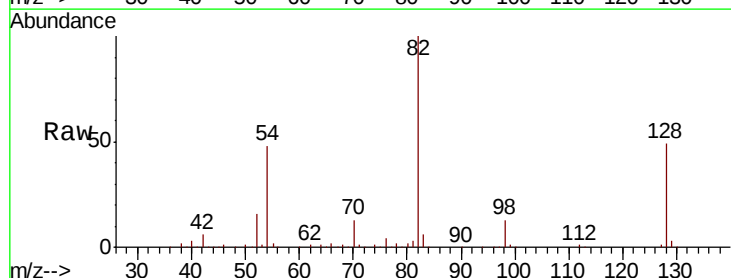
Tgt Ion: 82 Resp: 549863

Ion Ratio Lower Upper

82 100

128 49.3 38.0 57.0

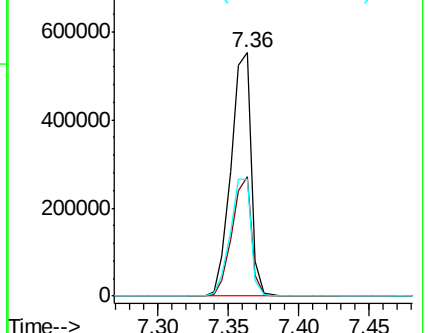
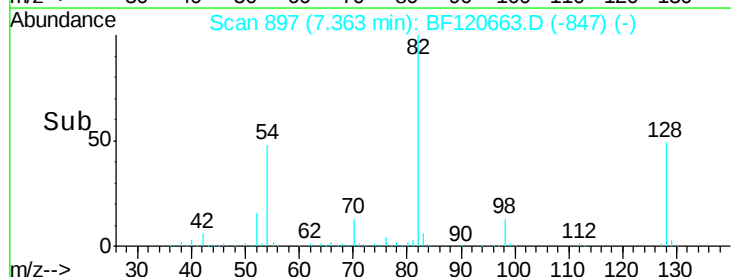
54 47.9 38.8 58.2

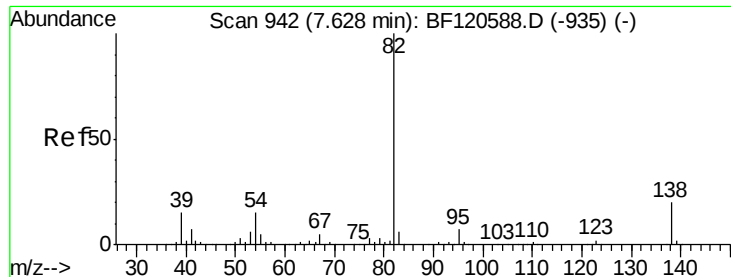


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.910 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

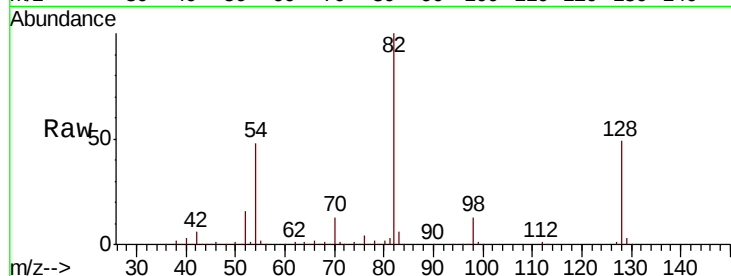
Tot Ion: 82 Resp: 547596

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

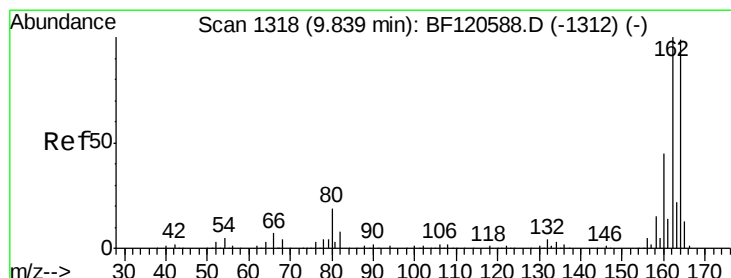
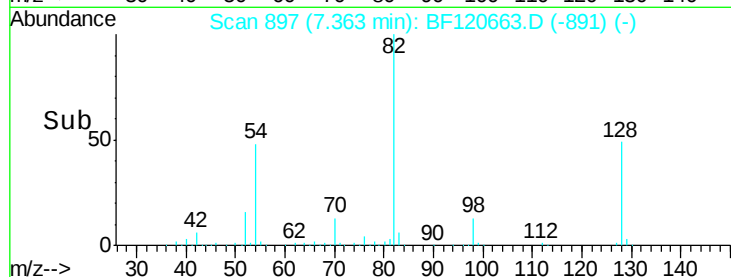
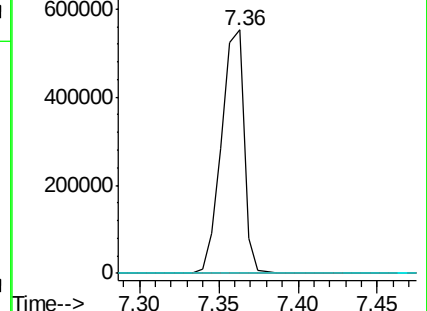
138 0.0 16.2 24.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

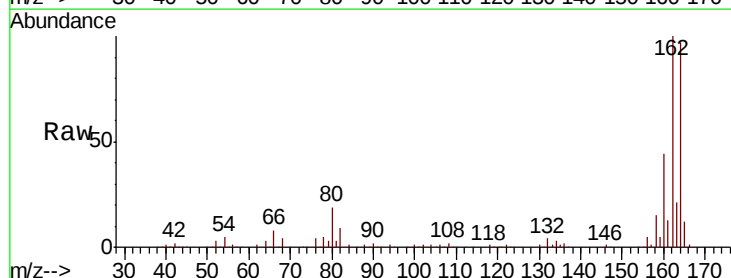
Tgt Ion: 164 Resp: 215054

Ion Ratio Lower Upper

164 100

162 102.8 80.6 120.8

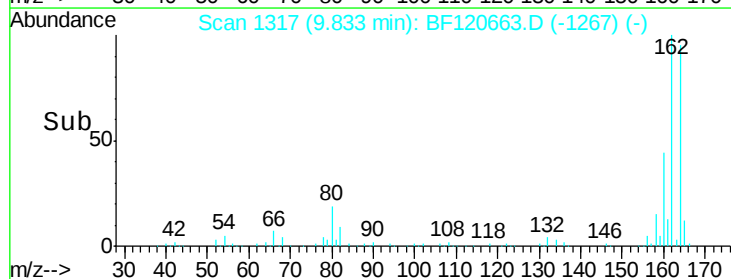
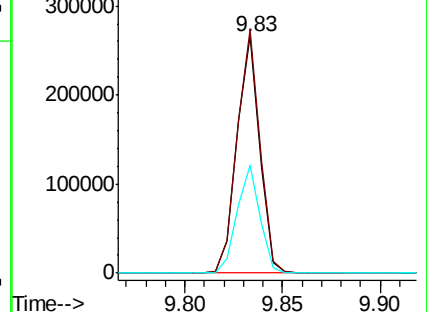
160 45.3 36.2 54.2

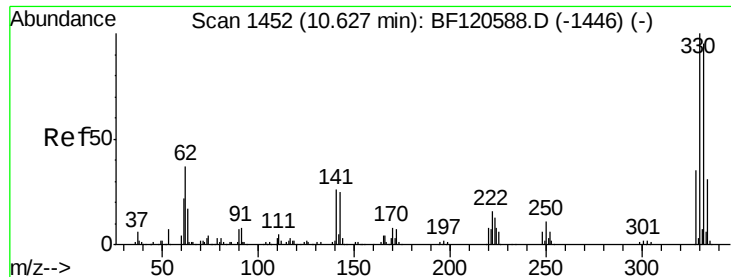


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

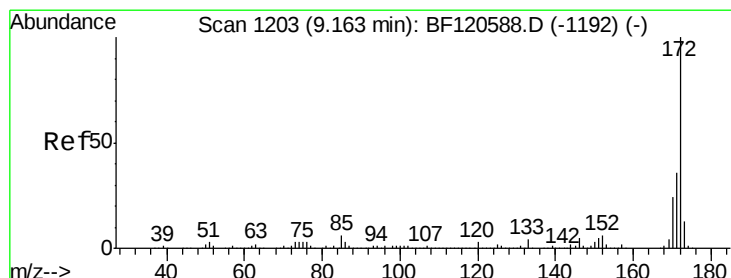
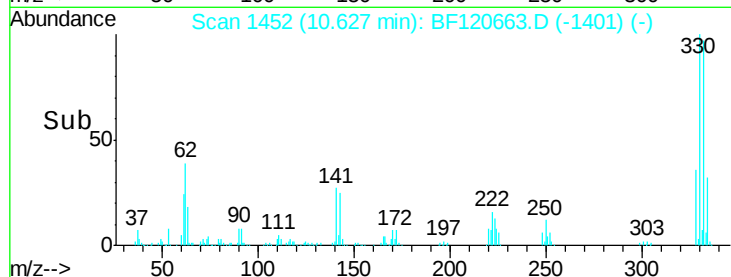
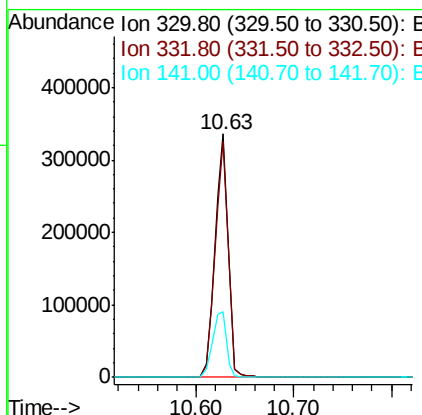
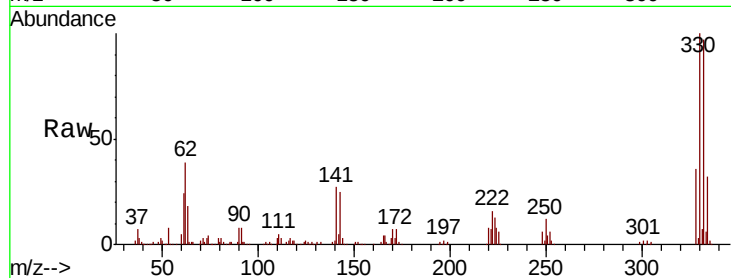




#42
 2,4,6-Tribromophenol
 Concen: 125.180 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120663.D
 Acq: 19 Jun 2020 14:59

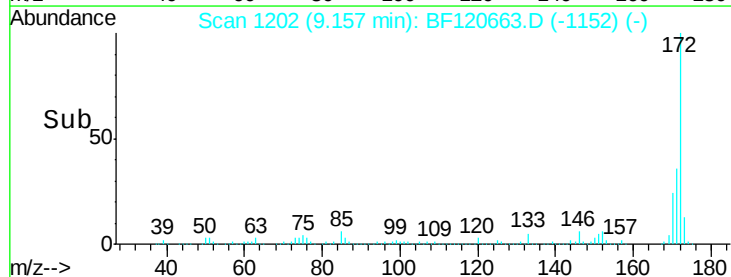
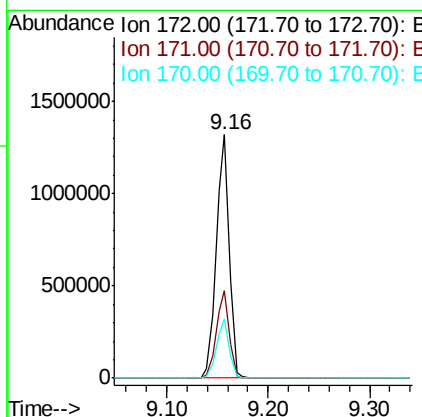
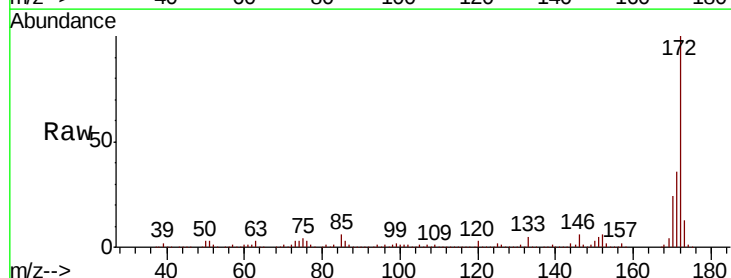
Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

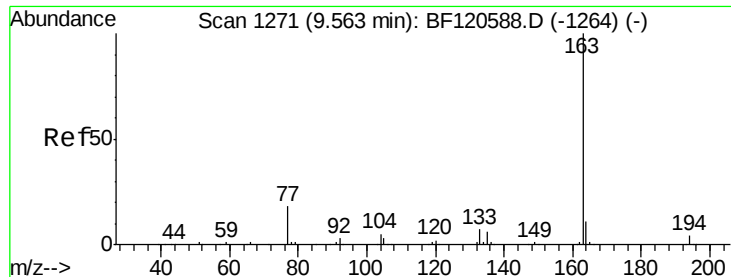
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	28.9	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 82.946 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120663.D
 Acq: 19 Jun 2020 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.3	19.4	29.2





#50

Dimethylphthalate

Concen: 9.100 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

Instrument :

BNA_F

ClientSampleId :

GROUNDWATER

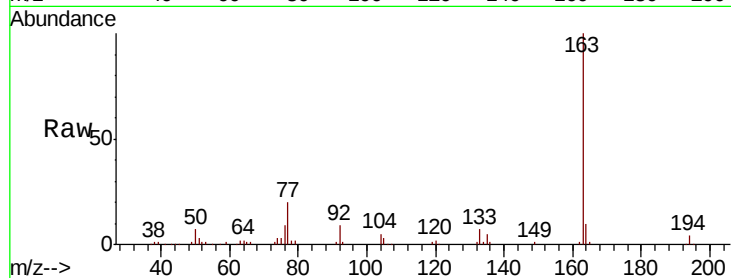
Tot Ion:163 Resp: 140942

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

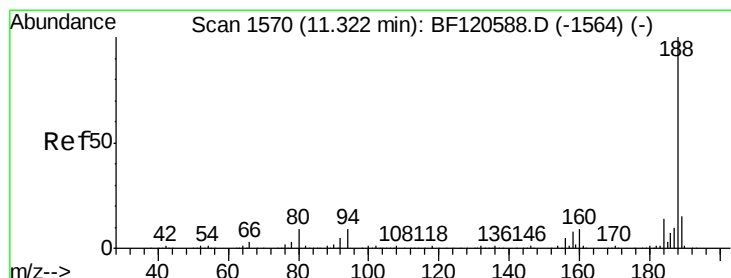
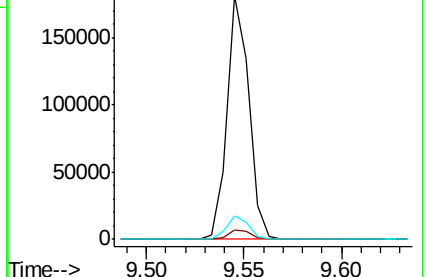
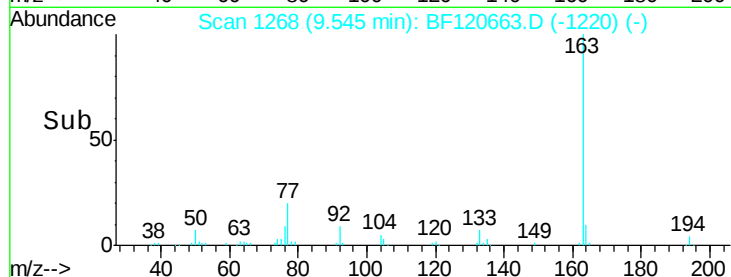
164 9.9 8.5 12.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120663.D

Acq: 19 Jun 2020 14:59

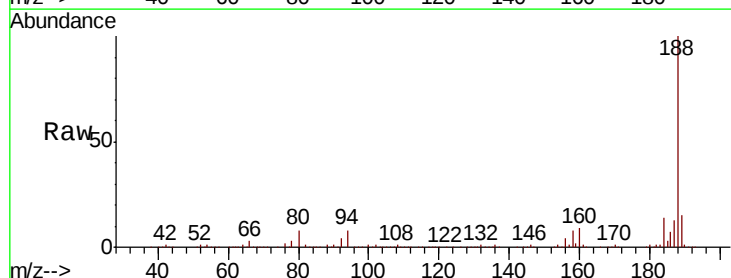
Tgt Ion:188 Resp: 542992

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

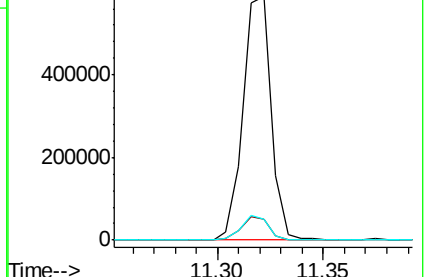
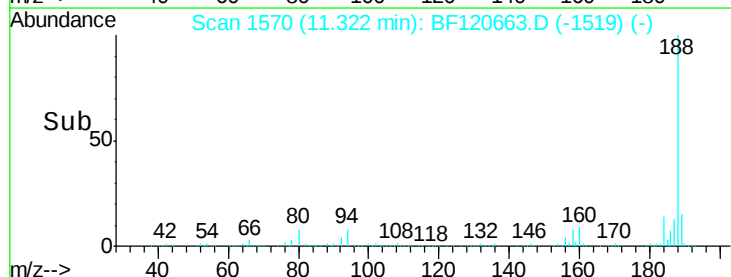
80 8.3 7.4 11.2

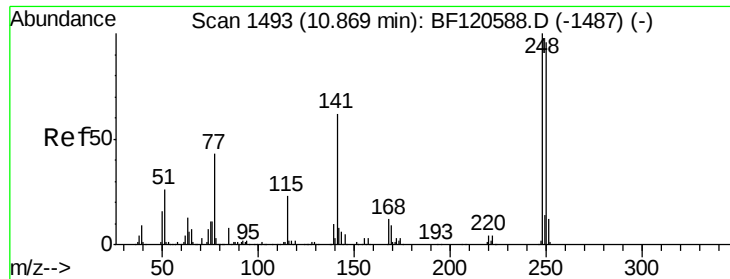


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

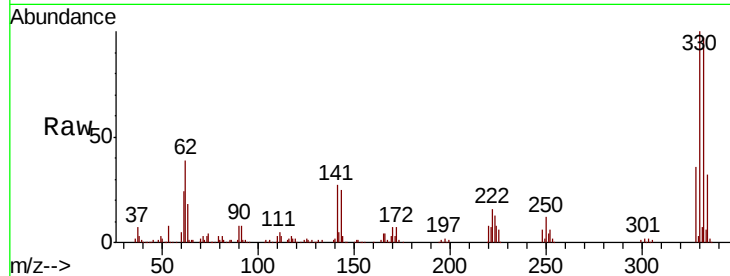




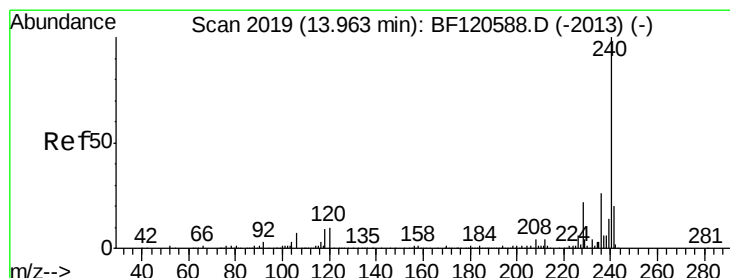
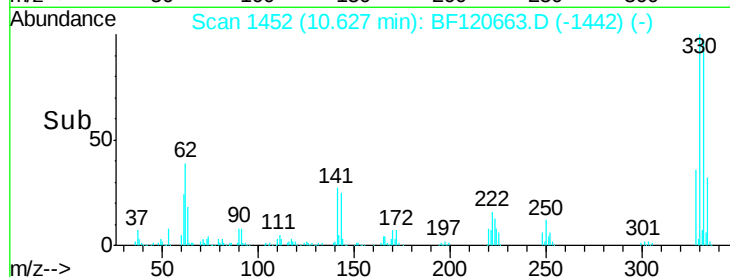
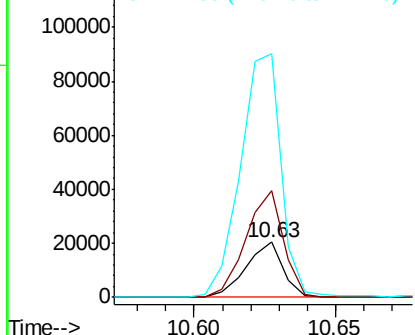
#67
 4-Bromophenyl-phenylether
 Concen: 3.029 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF120663.D
 Acq: 19 Jun 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Tot Ion:248 Resp: 18666
 Ion Ratio Lower Upper
 248 100
 250 191.9 76.7 115.1#
 141 440.1 49.4 74.0#

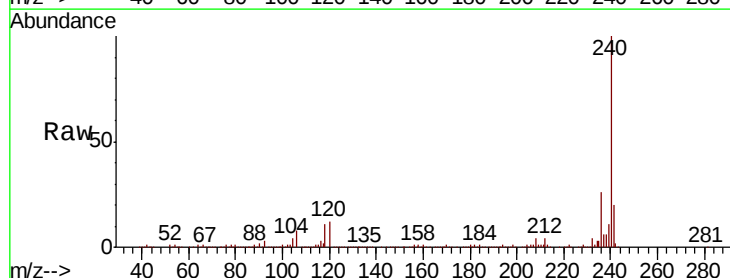


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

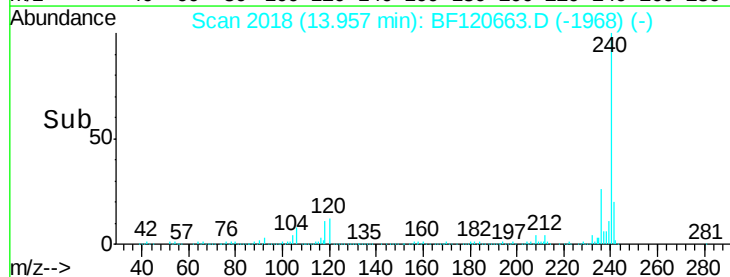
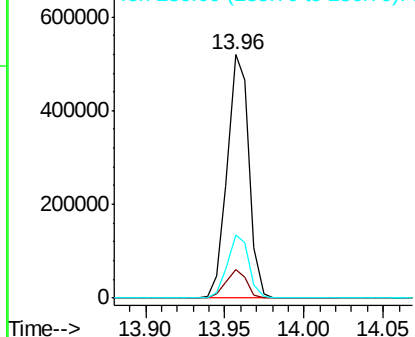


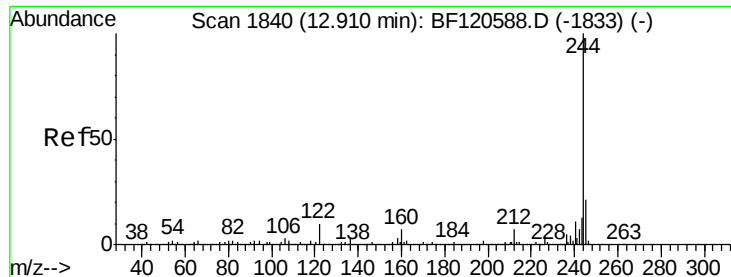
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF120663.D
 Acq: 19 Jun 2020 14:59

Tgt Ion:240 Resp: 491293
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.3 12.5
 236 25.7 21.0 31.4



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

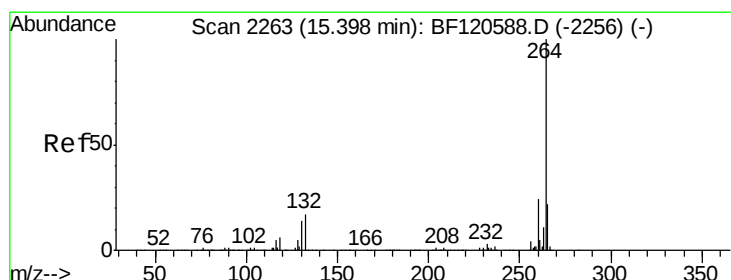
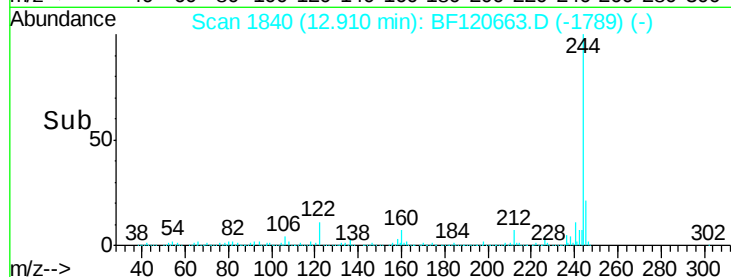
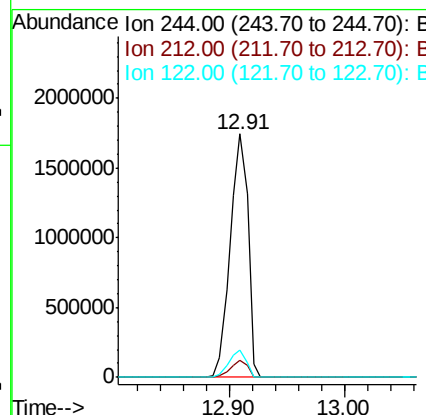
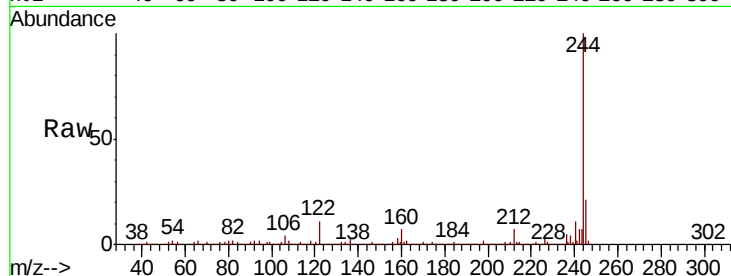




#79
Terphenyl-d14
Concen: 83.714 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF120663.D
Acq: 19 Jun 2020 14:59

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tot Ion:244 Resp: 1861934
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 11.2 8.3 12.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120663.D
Acq: 19 Jun 2020 14:59

Tgt Ion:264 Resp: 499504
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.9 17.8 26.8

