

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042220\
 Data File : BF120139.D
 Acq On : 22 Apr 2020 18:54
 Operator : MA/SJ
 Sample : L2341-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-RECLAIM-SEDIMENT-PIT

Quant Time: Apr 23 02:43:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	137270	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	524171	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	266134	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	502192	20.00	ng	0.00
76) Chrysene-d12	13.84	240	380962	20.00	ng	-0.01
87) Perylene-d12	15.24	264	300521	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	945605	119.05	ng	0.00
7) Phenol-d6	6.32	99	1191940	116.46	ng	0.00
23) Nitrobenzene-d5	7.25	82	874129	86.27	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	124294	38.15	ng	-0.01
45) 2-Fluorobiphenyl	9.05	172	1738851	92.76	ng	0.00
79) Terphenyl-d14	12.80	244	1998867	88.29	ng	0.00

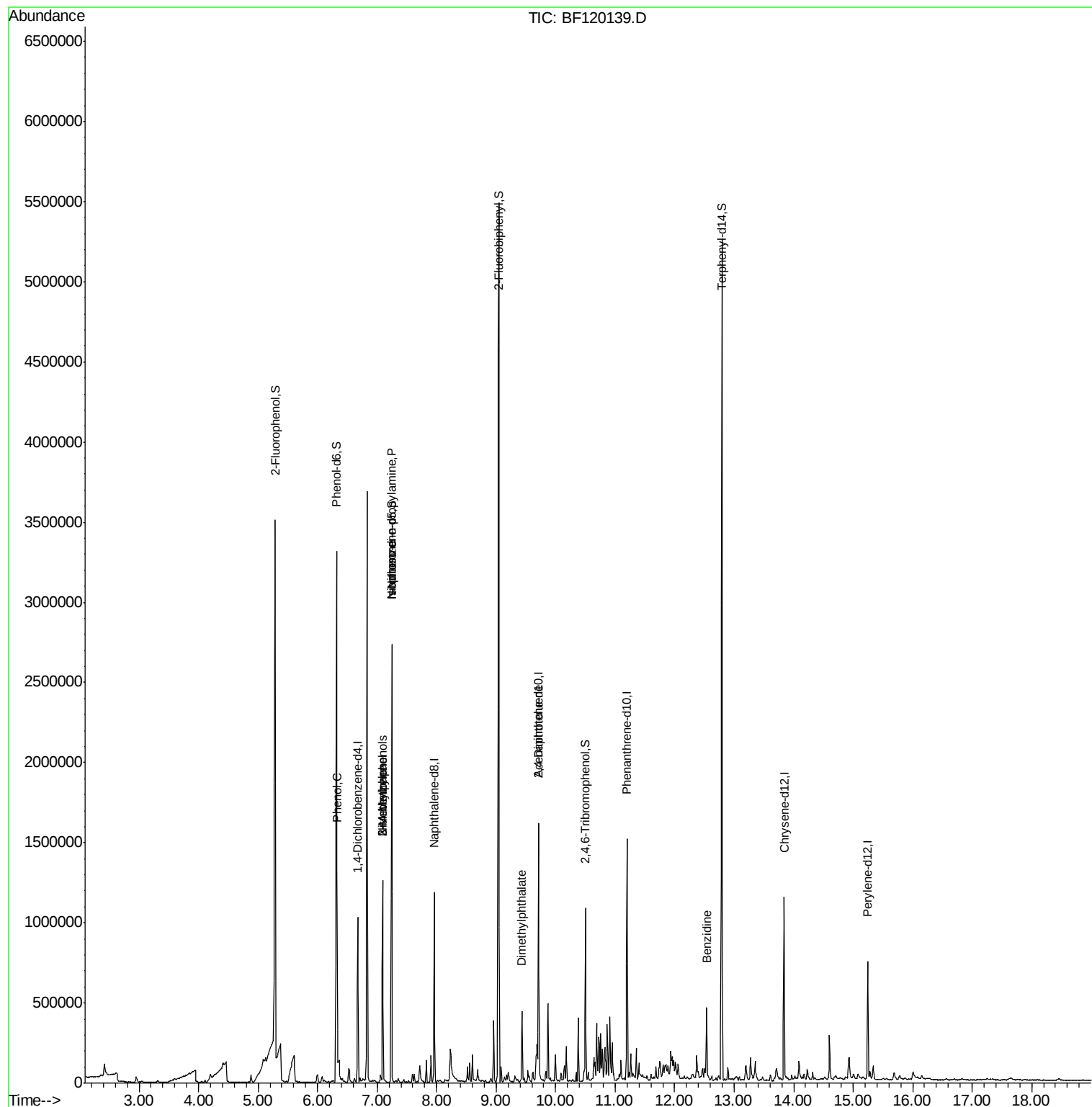
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.22	77	1854	Below Cal		# 83
10) Phenol	6.33	94	59045	5.085	ng	90
17) 2-Methylphenol	7.09	107	257376	32.496	ng	# 68
19) n-Nitroso-di-n-propylamine	7.25	70	115755	17.588	ng	# 76
20) 3+4-Methylphenols	7.09	107	257376	26.570	ng	# 74
24) Nitrobenzene	7.09	77	77880	7.641	ng	# 43
25) Isophorone	7.25	82	873542	44.724	ng	# 65
50) Dimethylphthalate	9.43	163	134830	6.550	ng	99
57) 2,4-Dinitrotoluene	9.72	165	32578	5.485	ng	# 23
77) Benzidine	12.54	184	170100	13.209	ng	97

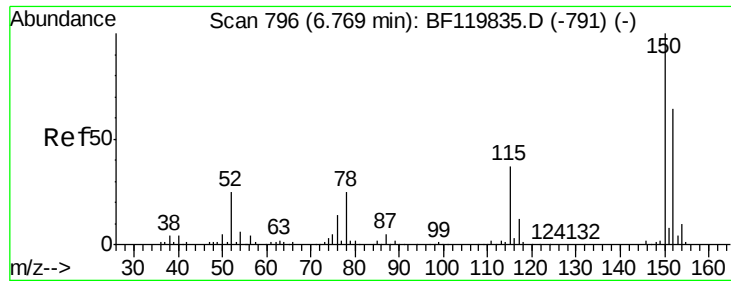
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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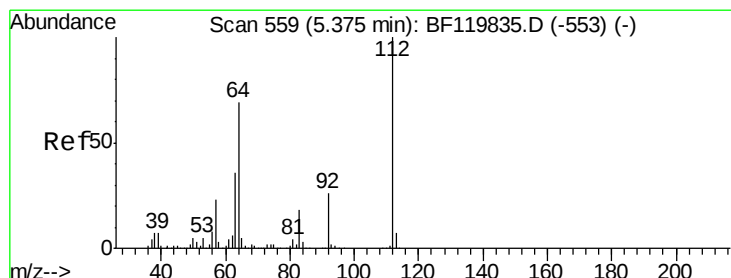
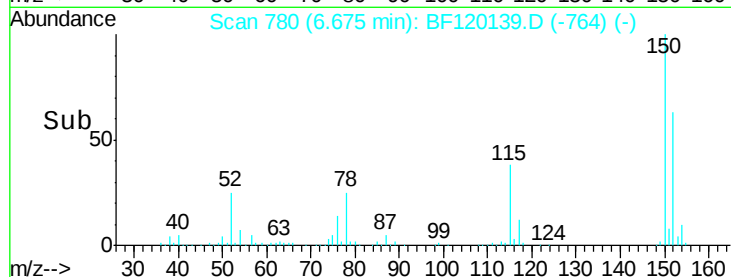
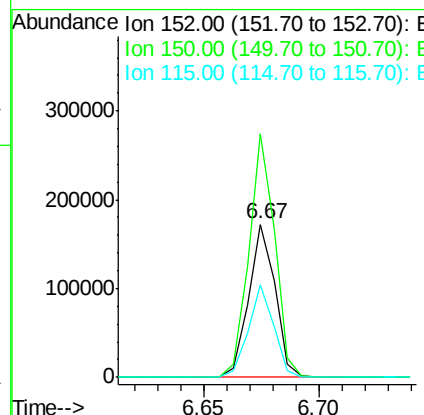
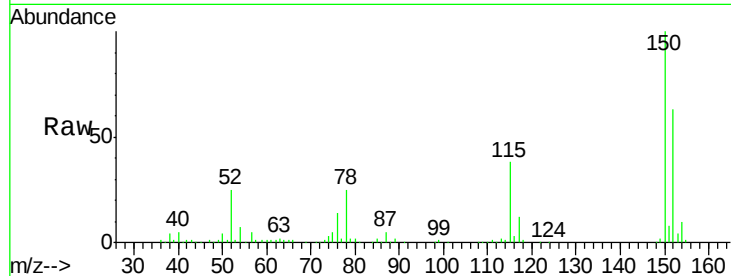


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Instrument :
 BNA_F
 ClientSampleId :
 WATER-RECLAIM-SEDIMENT-PIT

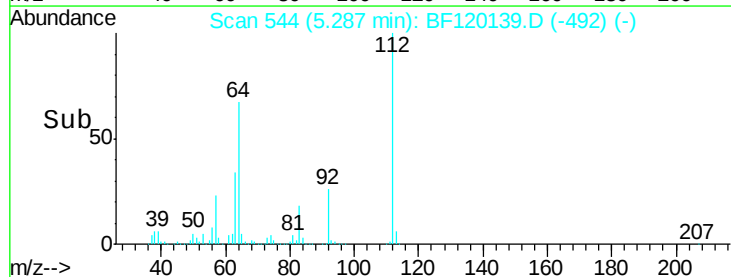
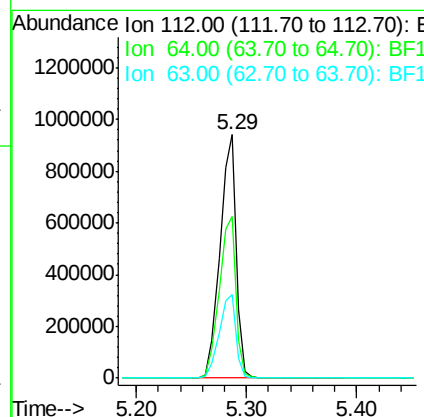
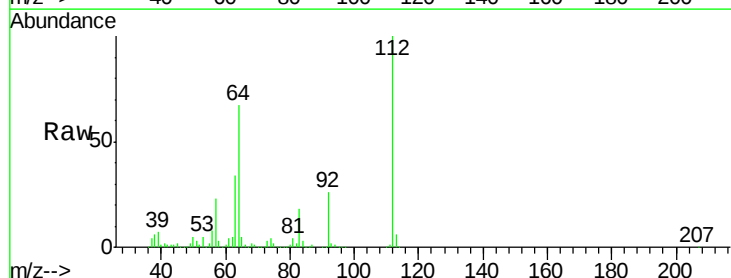
Tot Ion:152 Resp: 137270
 Ion Ratio Lower Upper
 152 100
 150 159.3 124.5 186.7
 115 60.3 49.6 74.4

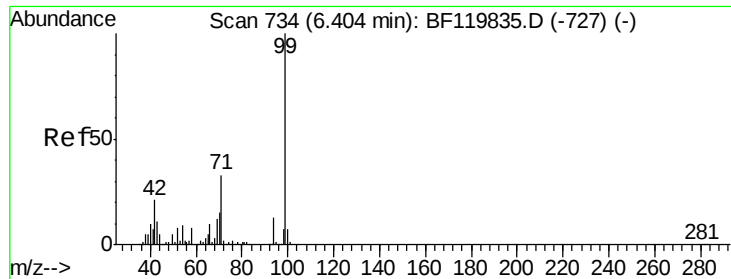


#5

2-Fluorophenol
 Concen: 119.049 ng
 RT: 5.29 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Tgt Ion:112 Resp: 945605
 Ion Ratio Lower Upper
 112 100
 64 66.6 56.7 85.1
 63 34.5 29.5 44.3





#7

Phenol-d6

Concen: 116.458 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Instrument :

BNA_F

ClientSampleId :

WATER-RECLAIM-SEDIMENT-PIT

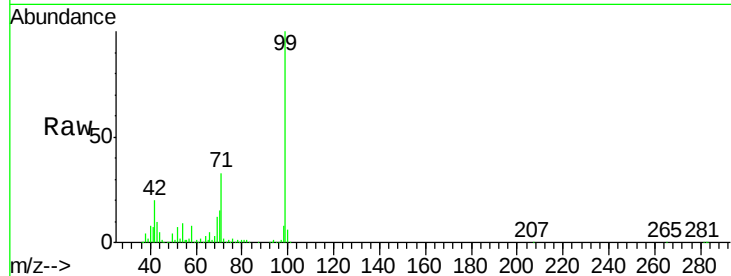
Tot Ion: 99 Resp: 1191940

Ion Ratio Lower Upper

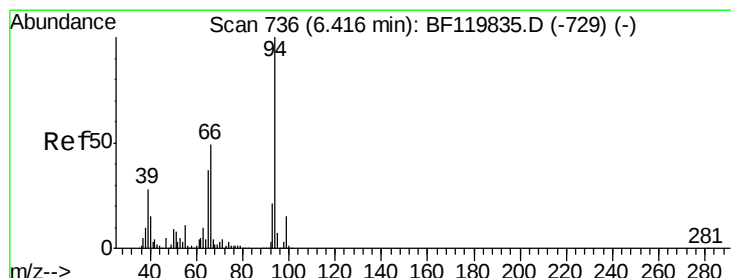
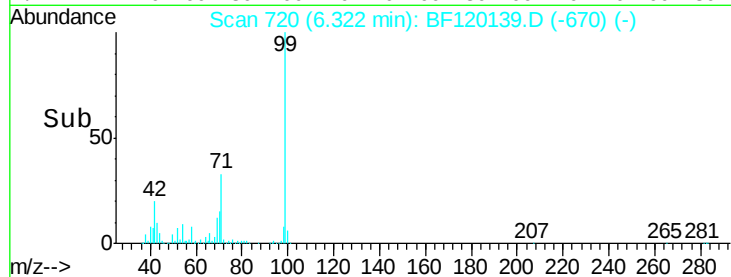
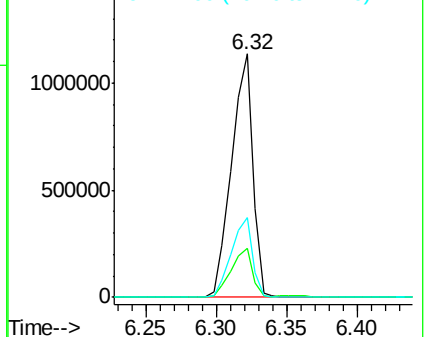
99 100

42 20.1 16.6 24.8

71 32.6 26.4 39.6



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



#10

Phenol

Concen: 5.085 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

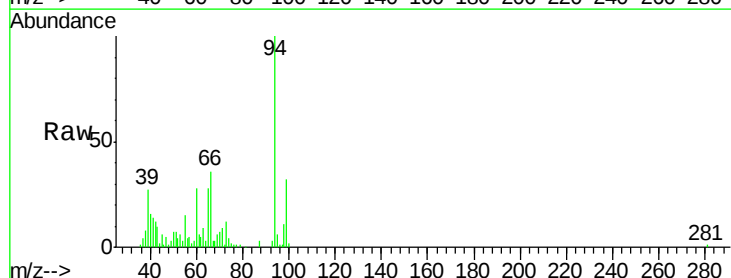
Tgt Ion: 94 Resp: 59045

Ion Ratio Lower Upper

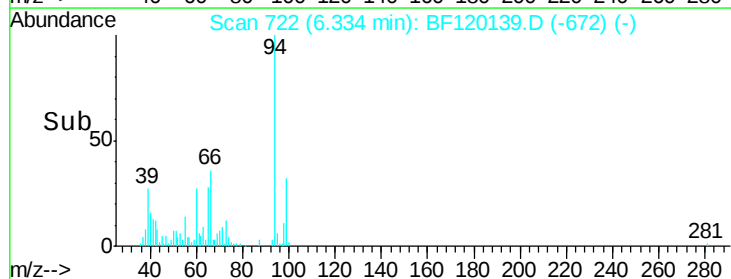
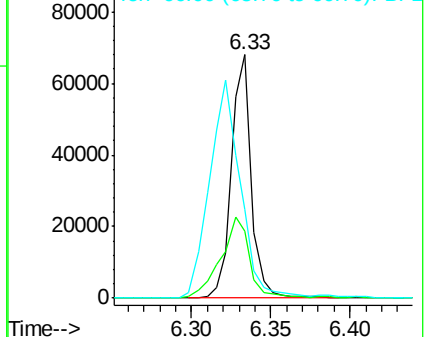
94 100

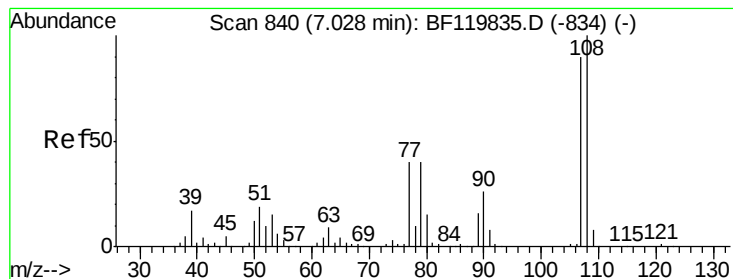
65 27.7 13.2 53.2

66 36.2 22.3 62.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

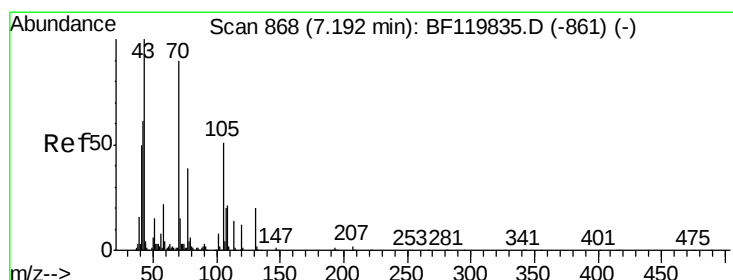
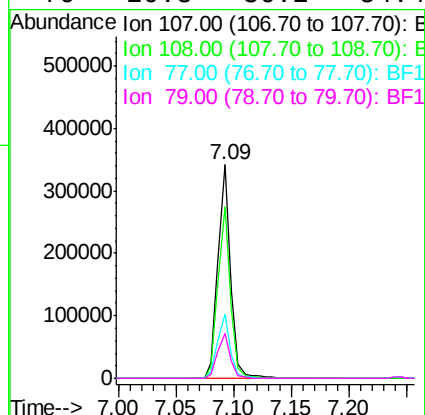
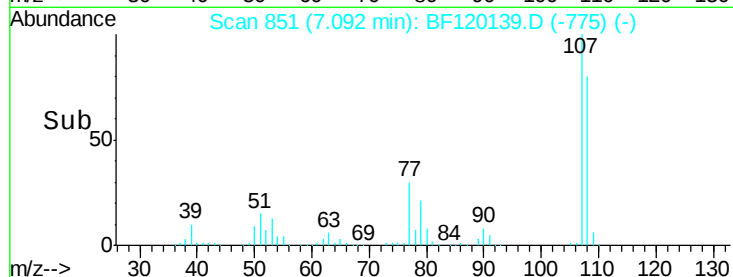
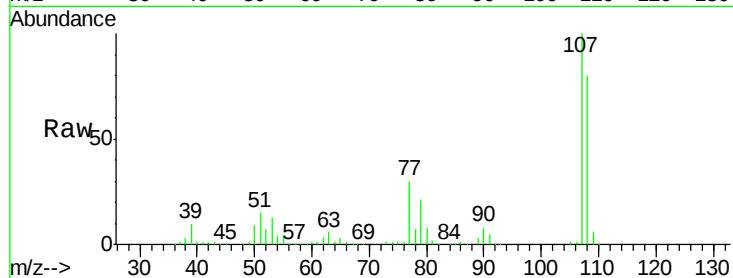




#17
2-Methylphenol
Concen: 32.496 ng
RT: 7.09 min Scan# 851
Delta R.T. 0.15 min
Lab File: BF120139.D
Acq: 22 Apr 2020 18:54

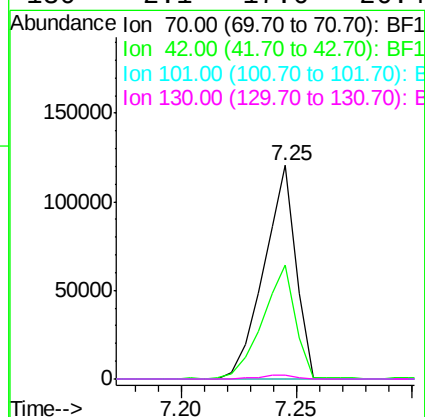
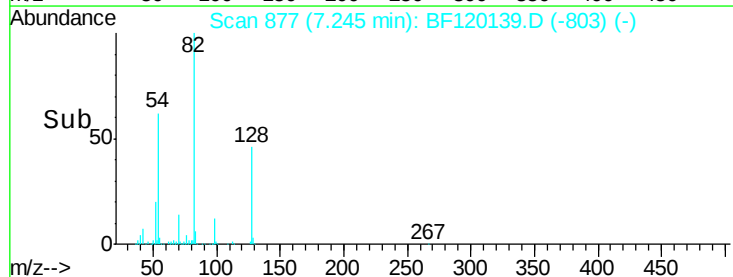
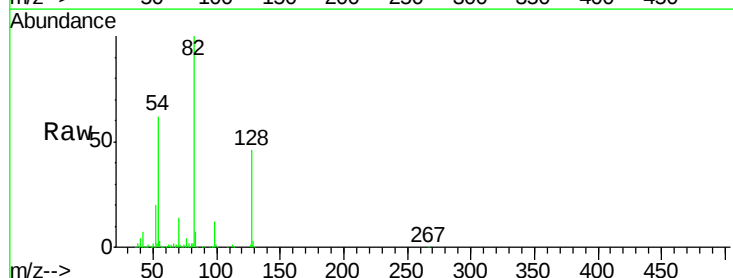
Instrument :
BNA_F
ClientSampleId :
WATER-RECLAIM-SEDIMENT-PIT

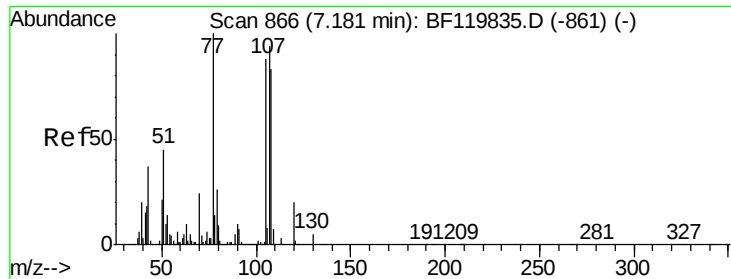
Tot Ion:	107	Resp:	257376
Ion	Ratio	Lower	Upper
107	100		
108	80.1	92.2	138.4#
77	30.0	36.6	54.8#
79	20.8	36.2	54.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.588 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF120139.D
Acq: 22 Apr 2020 18:54

Tgt Ion:	70	Resp:	115755
Ion	Ratio	Lower	Upper
70	100		
42	53.3	54.5	81.7#
101	0.0	7.6	11.4#
130	2.1	17.6	26.4#





#20

3+4-Methylphenols

Concen: 26.570 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Instrument :

BNA_F

ClientSampleId :

WATER-RECLAIM-SEDIMENT-PIT

Tot Ion:107 Resp: 257376

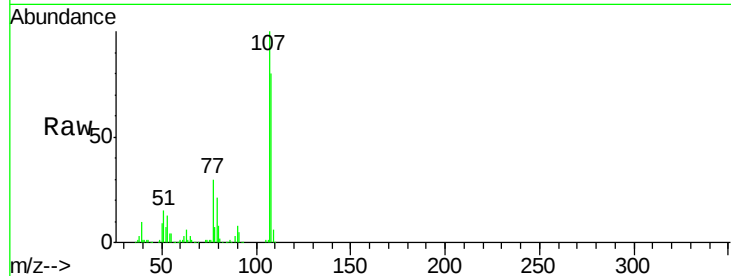
Ion Ratio Lower Upper

107 100

108 80.1 67.9 107.9

77 30.0 52.9 92.9#

79 20.8 7.7 47.7

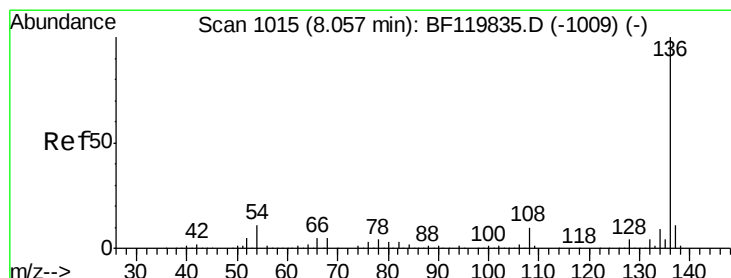
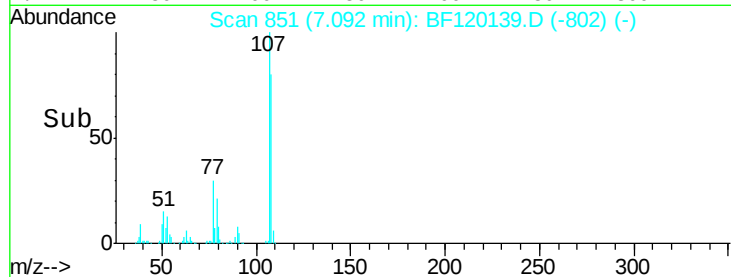
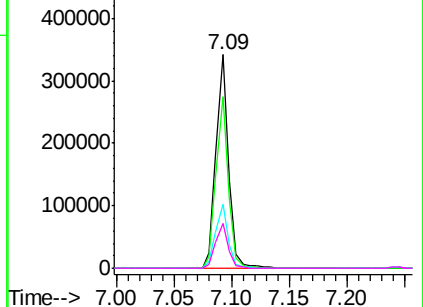


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Tgt Ion:136 Resp: 524171

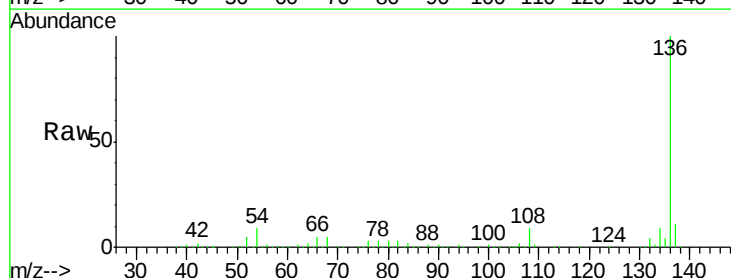
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.8 9.1 13.7#

68 5.1 4.6 6.8

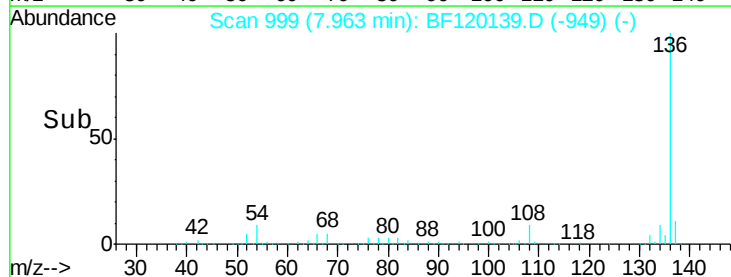
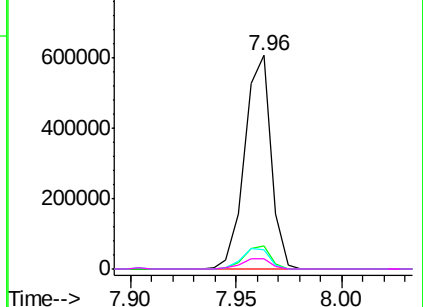


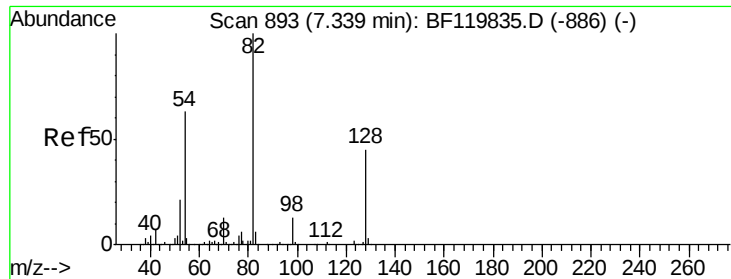
Abundance Ion 136.00 (135.70 to 136.70): E

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

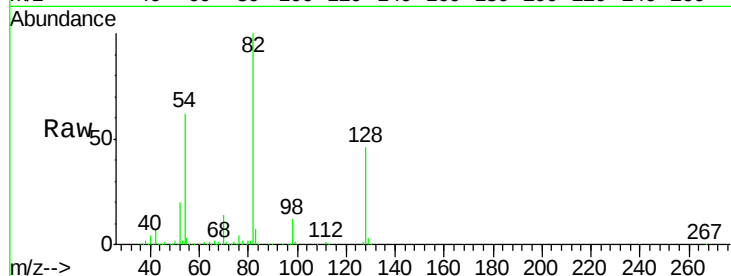




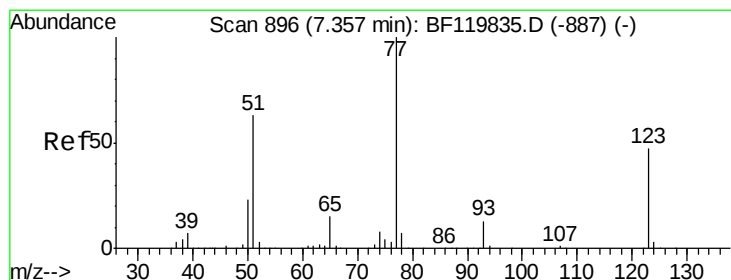
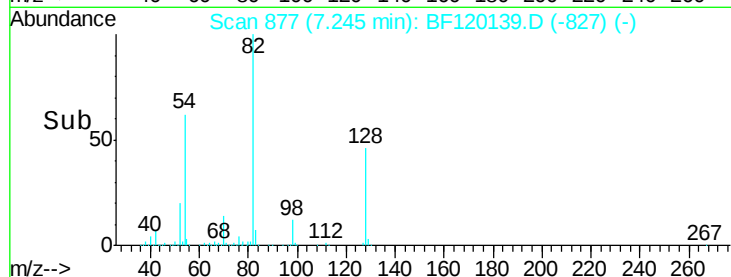
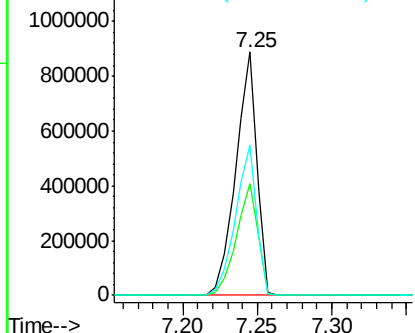
#23
 Nitrobenzene-d5
 Concen: 86.273 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Instrument :
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 WATER-RECLAIM-SEDIMENT-PIT

Tot Ion: 82 Resp: 874129
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.3 54.5
 54 61.7 50.6 75.8

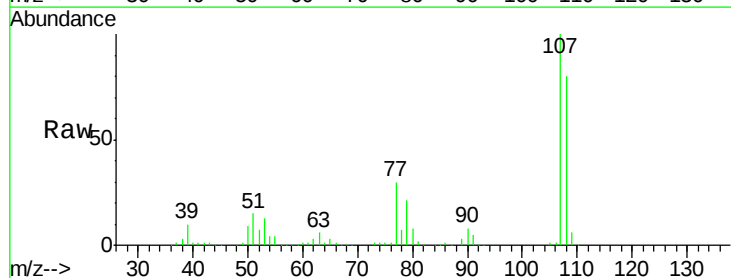


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

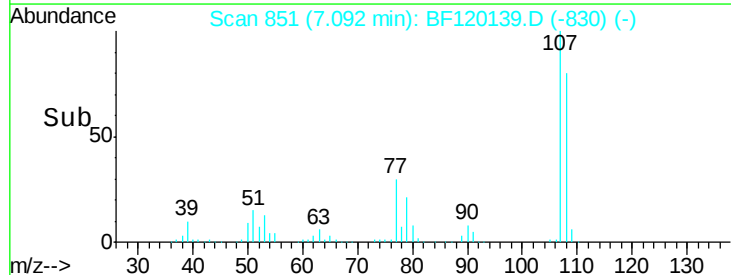
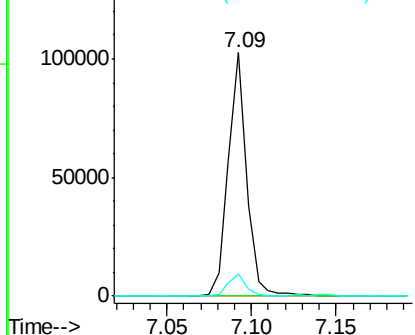


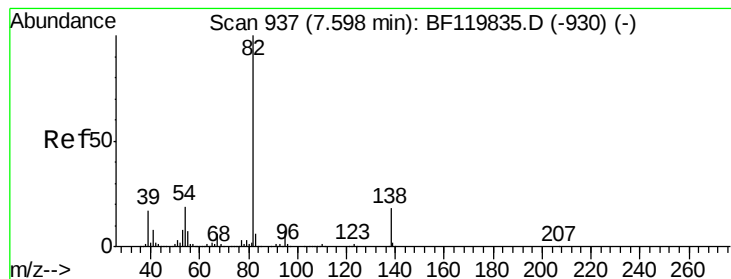
#24
 Nitrobenzene
 Concen: 7.641 ng
 RT: 7.09 min Scan# 851
 Delta R.T. -0.18 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Tgt Ion: 77 Resp: 77880
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.0 57.0#
 65 9.2 12.6 18.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.724 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.26 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Instrument :

BNA_F

ClientSampleId :

WATER-RECLAIM-SEDIMENT-PIT

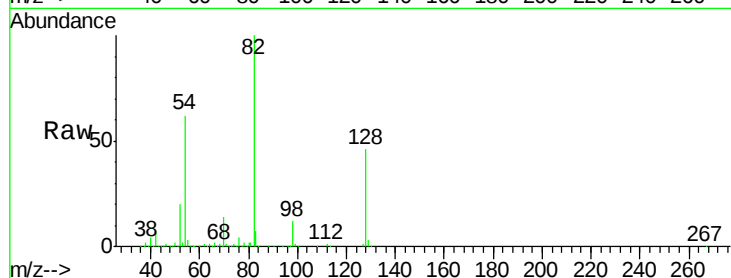
Tot Ion: 82 Resp: 873542

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

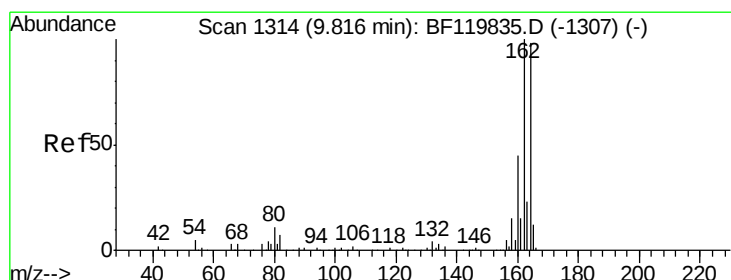
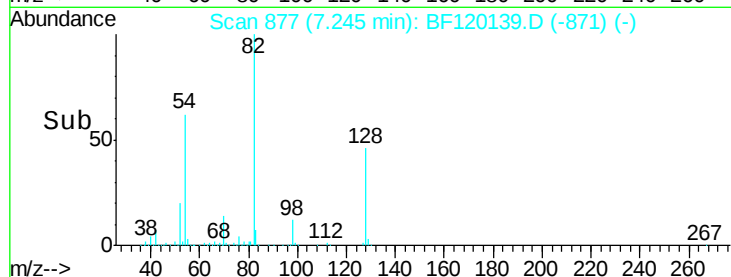
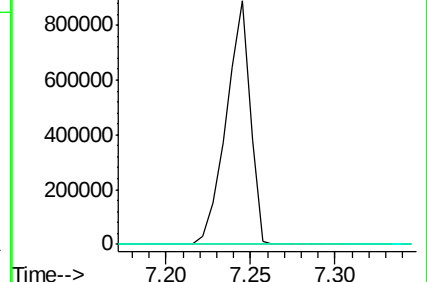
138 0.0 14.6 21.8#



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: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

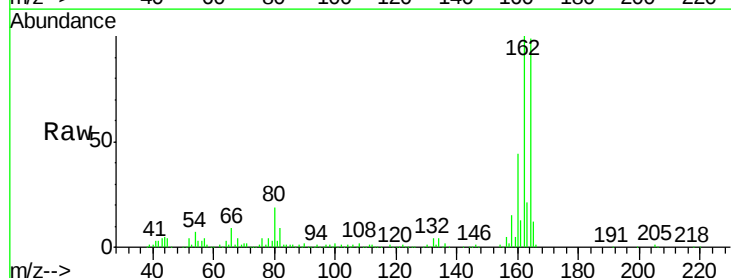
Tgt Ion:164 Resp: 266134

Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

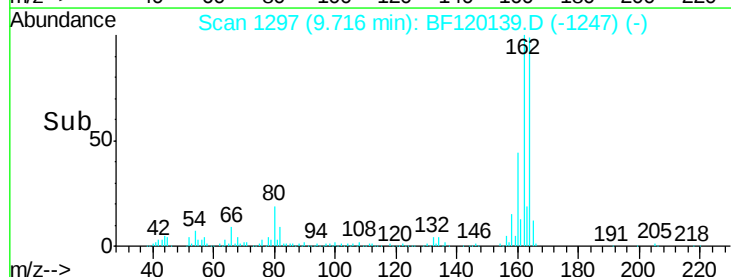
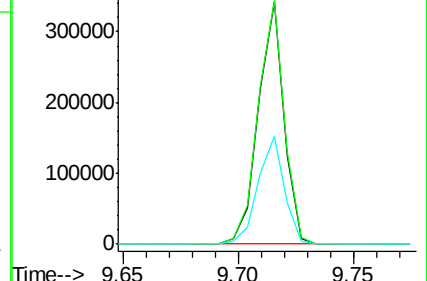
160 44.7 35.7 53.5

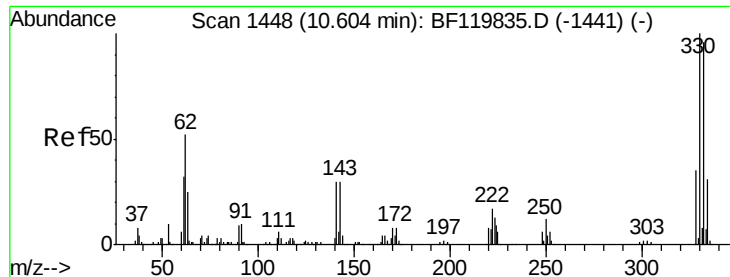


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

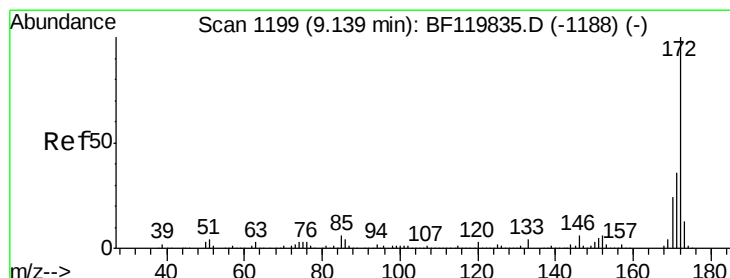
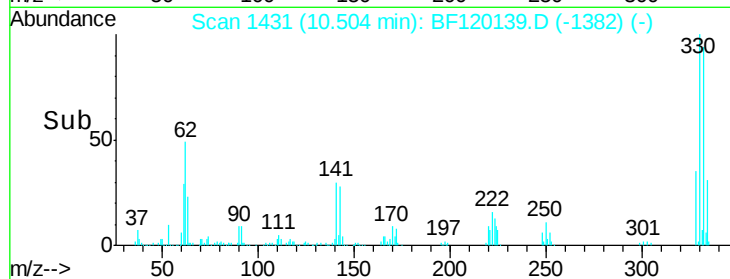
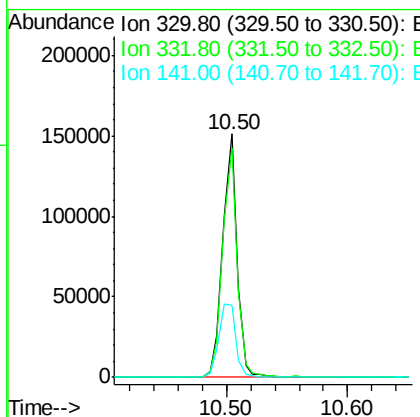
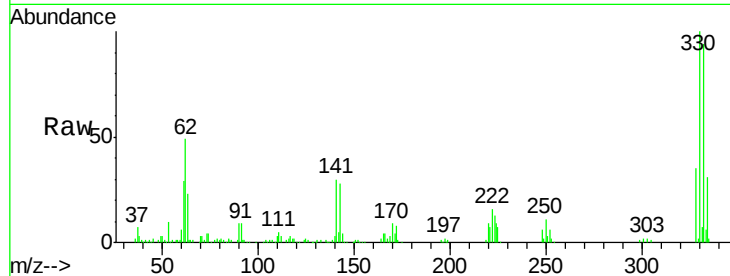




#42
 2,4,6-Tribromophenol
 Concen: 38.146 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

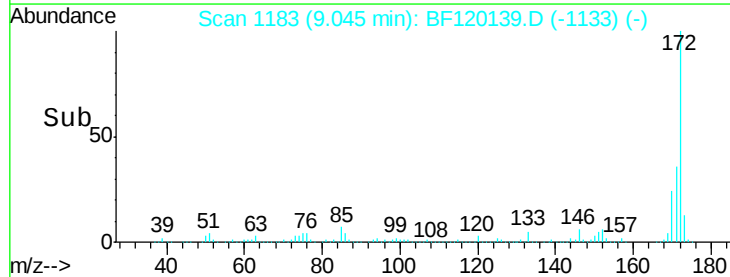
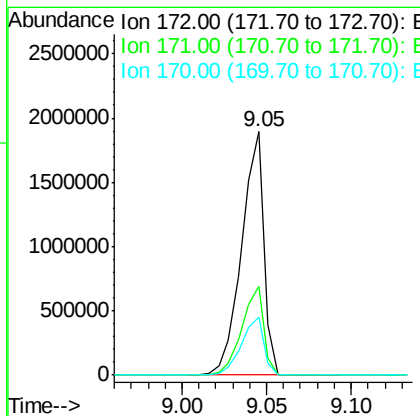
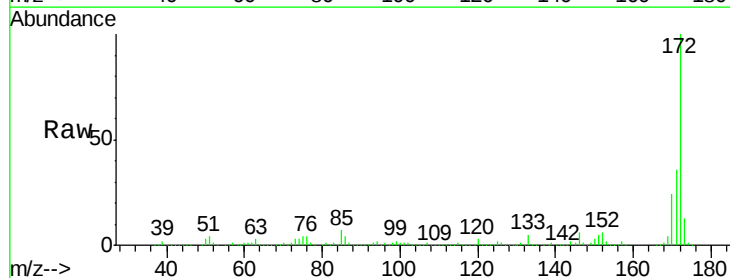
Instrument :
 BNA_F
 ClientSampleId :
 WATER-RECLAIM-SEDIMENT-PIT

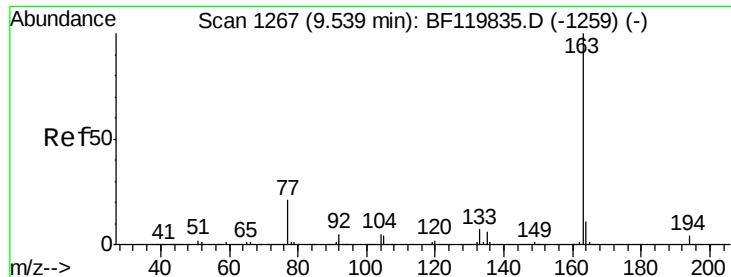
Tot Ion:330 Resp: 124294
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.7 113.5
 141 35.6 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 92.765 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Tgt Ion:172 Resp: 1738851
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.9 20.2 30.2





#50

Dimethylphthalate

Concen: 6.550 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Instrument :

BNA_F

ClientSampleId :

WATER-RECLAIM-SEDIMENT-PIT

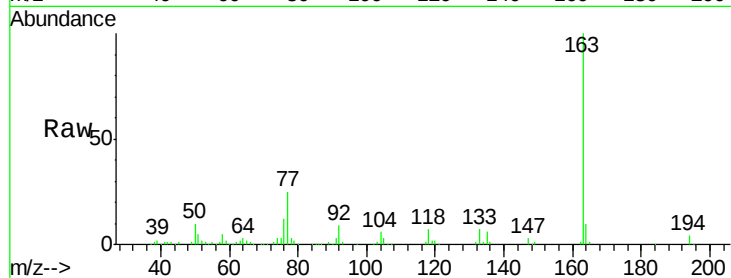
Tot Ion:163 Resp: 134830

Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

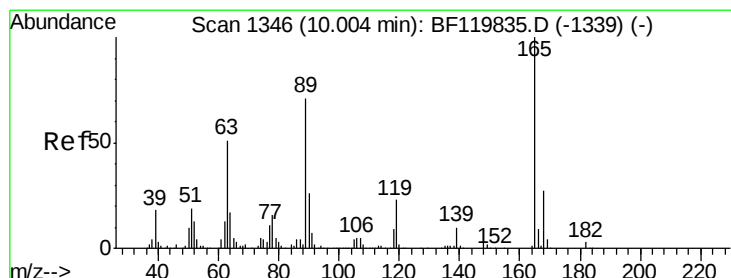
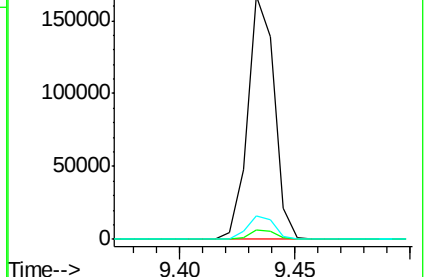
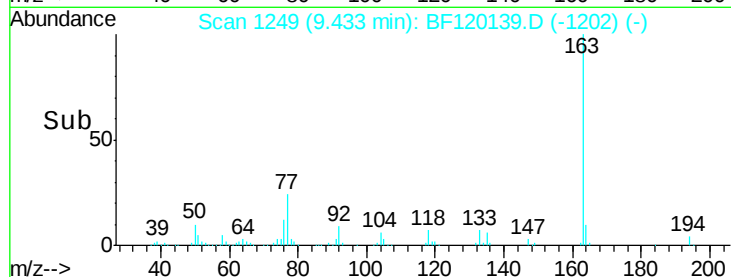
164 9.7 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.485 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Tgt Ion:165 Resp: 32578

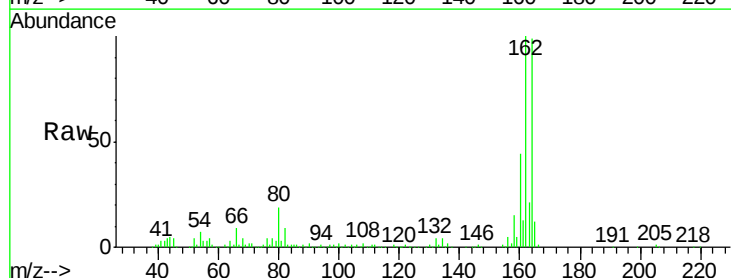
Ion Ratio Lower Upper

165 100

63 4.1 42.6 64.0#

89 3.4 61.0 91.4#

182 0.0 2.2 3.2#

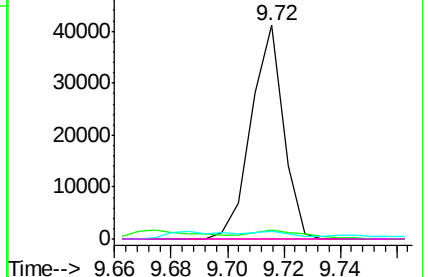
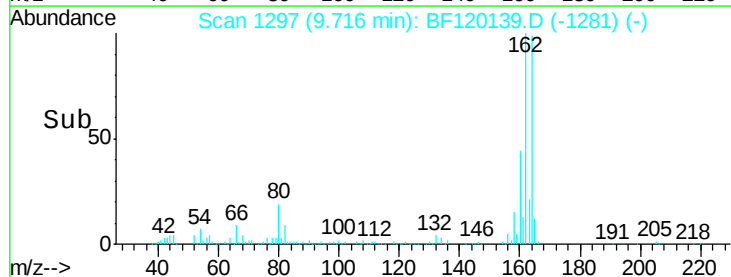


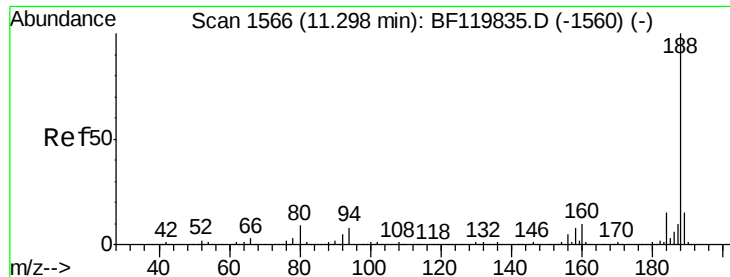
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

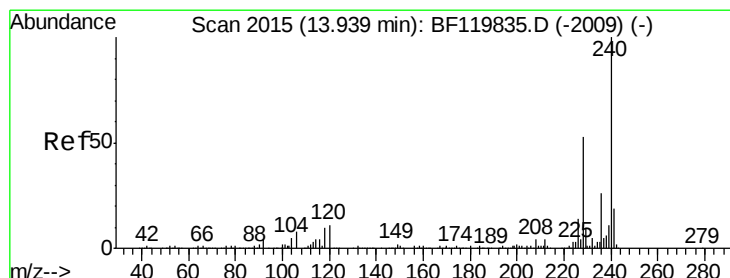
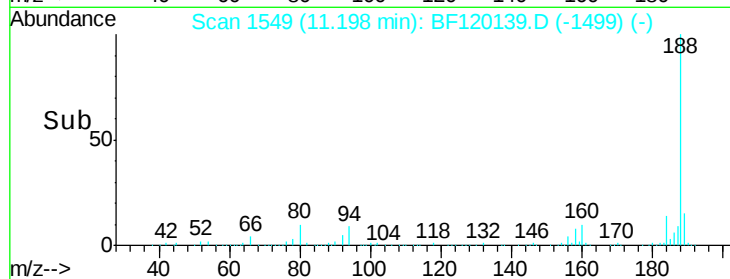
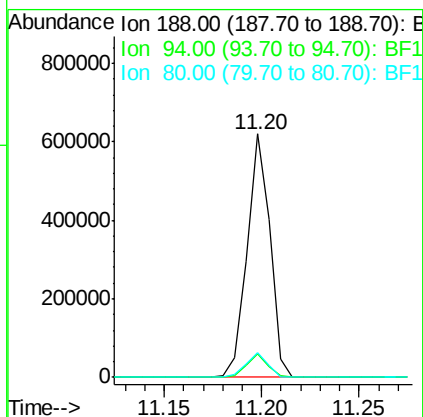
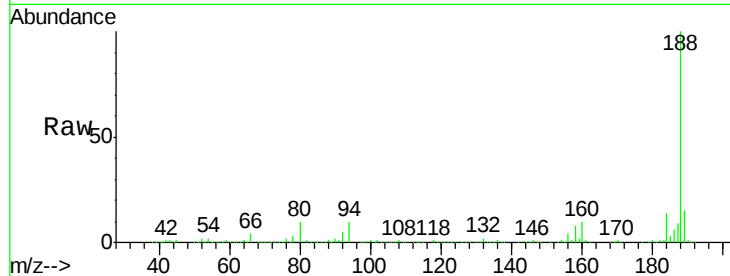




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF120139.D
Acq: 22 Apr 2020 18:54

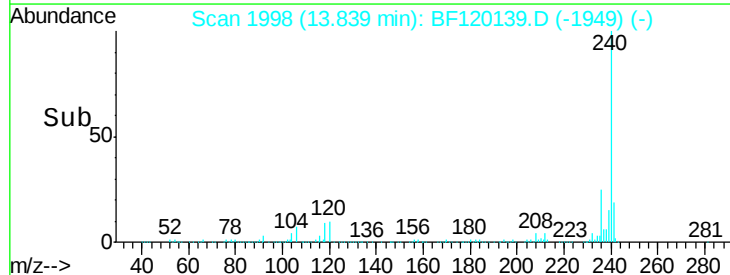
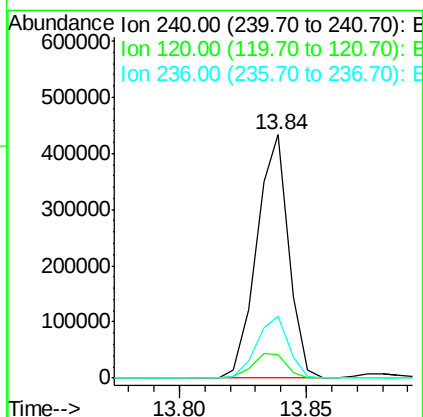
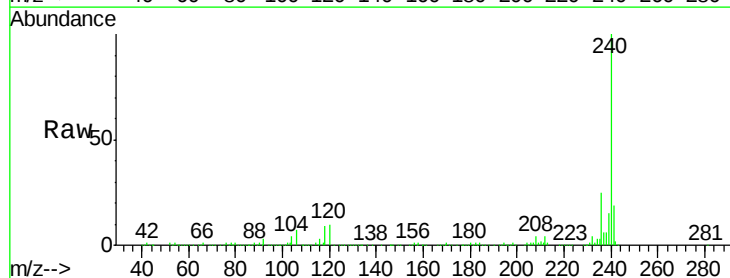
Instrument :
BNA_F
ClientSampleId :
WATER-RECLAIM-SEDIMENT-PIT

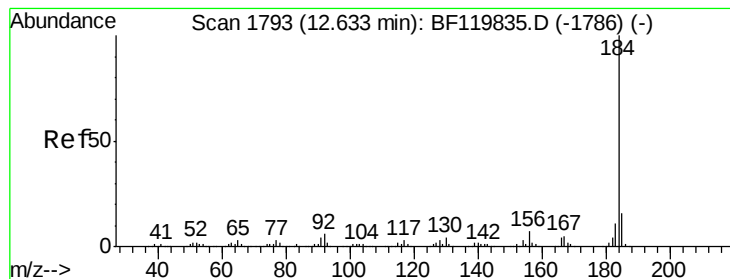
Tot Ion:188 Resp: 502192
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.3 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF120139.D
Acq: 22 Apr 2020 18:54

Tgt Ion:240 Resp: 380962
Ion Ratio Lower Upper
240 100
120 9.8 10.6 15.8#
236 25.4 20.2 30.2





#77

Benzidine

Concen: 13.209 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

Instrument :

BNA_F

ClientSampleId :

WATER-RECLAIM-SEDIMENT-PIT

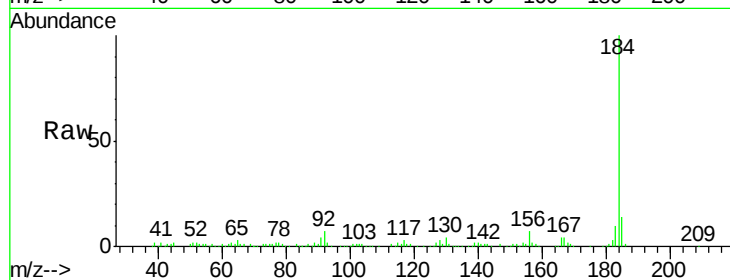
Tot Ion:184 Resp: 170100

Ion Ratio Lower Upper

184 100

185 13.9 12.3 18.5

183 10.3 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

250000

200000

150000

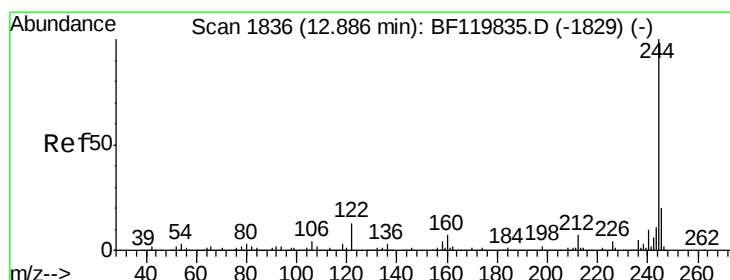
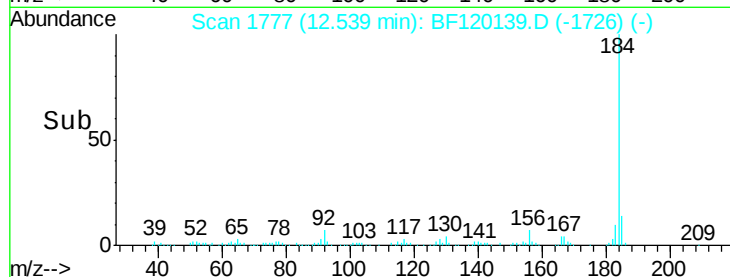
100000

50000

0

12.54

Time-->



#79

Terphenyl-d14

Concen: 88.287 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF120139.D

Acq: 22 Apr 2020 18:54

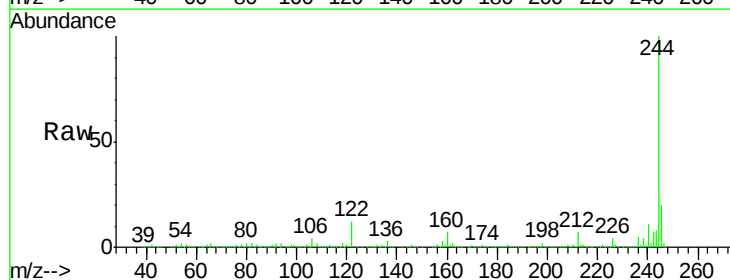
Tgt Ion:244 Resp: 1998867

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 11.6 10.3 15.5



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

2500000

2000000

1500000

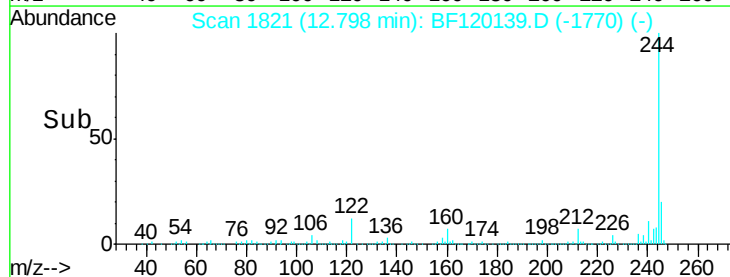
1000000

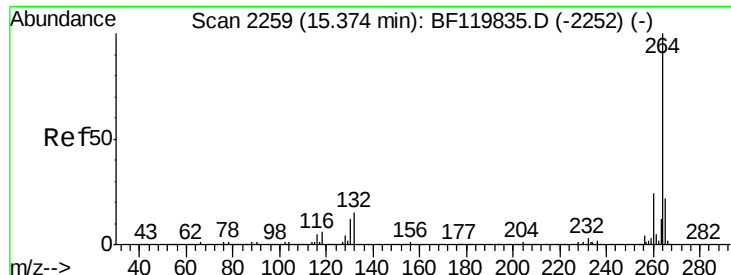
500000

0

12.80

Time-->

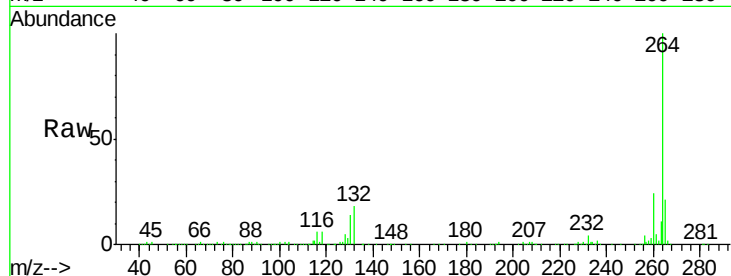




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120139.D
 Acq: 22 Apr 2020 18:54

Instrument :
 BNA_F
 ClientSampleId :
 WATER-RECLAIM-SEDIMENT-PIT

Tot Ion:264 Resp: 300521
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 21.1 17.7 26.5



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

