

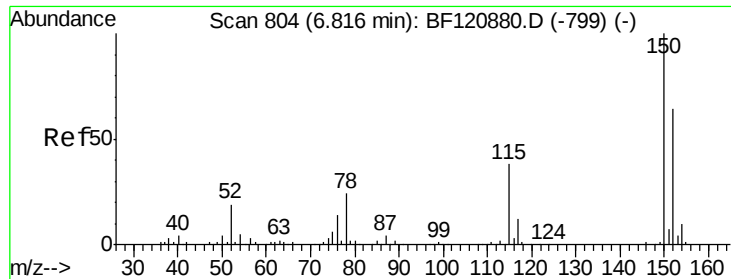
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121063.D
 Acq On : 28 Jul 2020 11:48
 Operator : JU/CG
 Sample : L3378-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-WATER

Quant Time: Jul 28 12:22:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	152497	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	580518	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	314331	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	637758	20.00	ng	0.00
76) Chrysene-d12	13.97	240	610117	20.00	ng	0.00
86) Perylene-d12	15.42	264	634078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	305603	32.85	ng	0.00
7) Phenol-d6	6.44	99	368985	30.71	ng	0.00
23) Nitrobenzene-d5	7.37	82	934247	93.12	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	116999	34.00	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1633636	77.60	ng	0.00
79) Terphenyl-d14	12.92	244	1981455	70.60	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	2991	Below Cal		93
11) bis(2-Chloroethyl)ether	6.47	93	26547	2.621 ng	#	26
19) n-Nitroso-di-n-propylamine	7.37	70	124922	18.283 ng	#	77
25) Isophorone	7.37	82	930289	46.461 ng	#	63
50) Dimethylphthalate	9.56	163	180519	7.960 ng		100
57) 2,4-Dinitrotoluene	9.85	165	40115	6.270 ng	#	28
65) 4,6-Dinitro-2-methylphenol	10.63	198	112	3.870 ng	#	1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

Instrument :

BNA_F

ClientSampleId :

DRUM-WATER

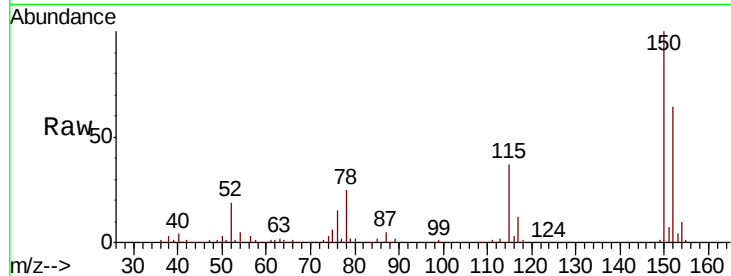
Tot Ion:152 Resp: 152497

Ion Ratio Lower Upper

152 100

150 156.2 125.0 187.6

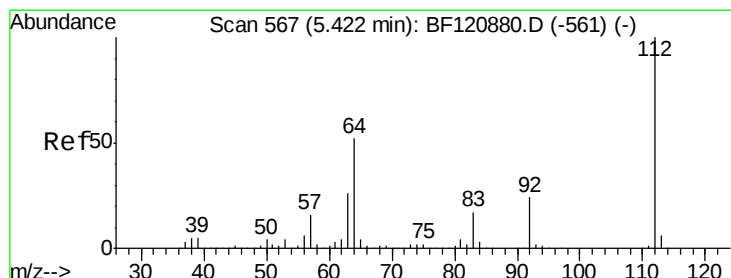
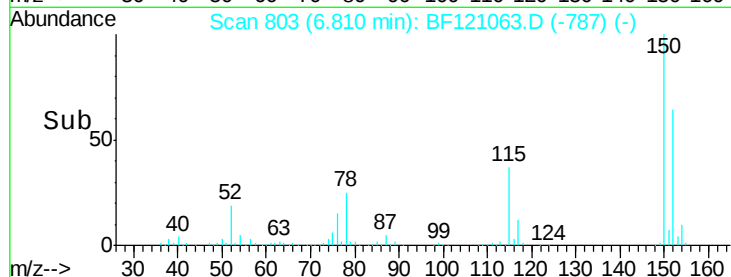
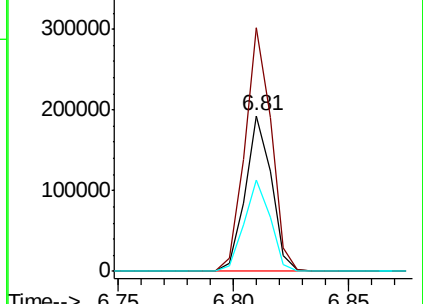
115 58.5 47.0 70.4



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: 32.853 ng

RT: 5.42 min Scan# 567

Delta R.T. -0.00 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

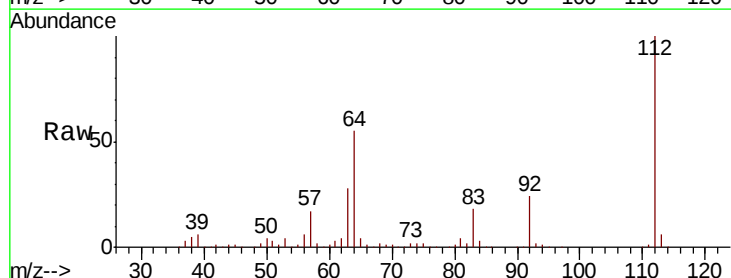
Tgt Ion:112 Resp: 305603

Ion Ratio Lower Upper

112 100

64 54.9 41.3 61.9

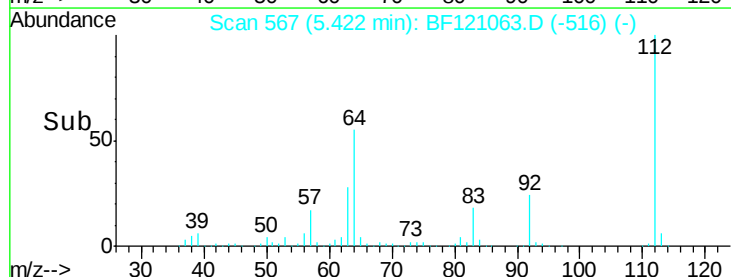
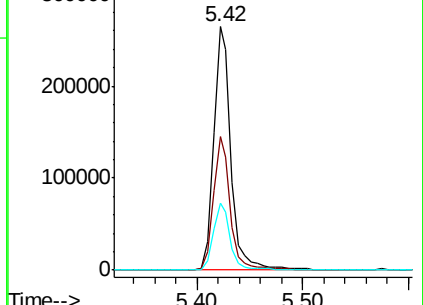
63 27.6 21.1 31.7

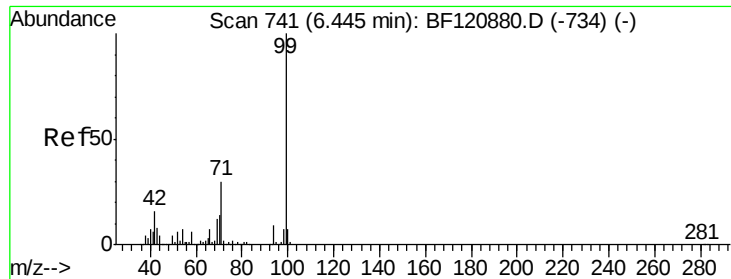


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.707 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

Instrument :

BNA_F

ClientSampleId :

DRUM-WATER

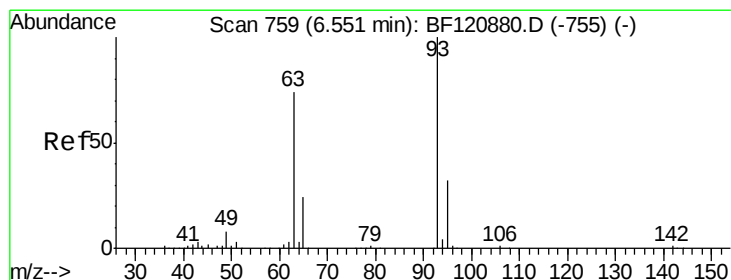
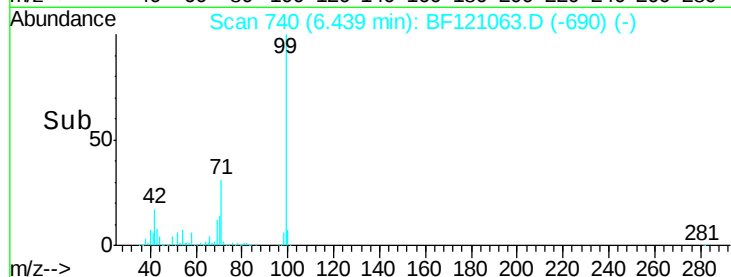
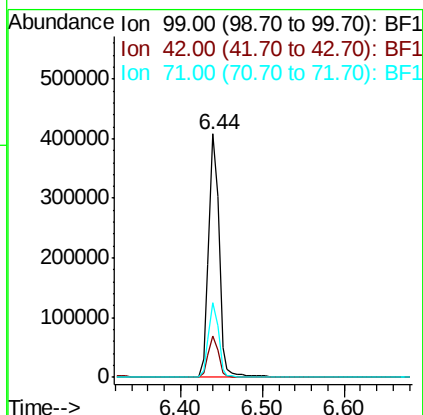
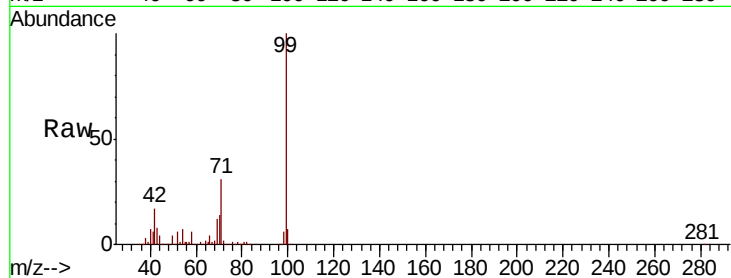
Tot Ion: 99 Resp: 368985

Ion Ratio Lower Upper

99 100

42 17.2 13.1 19.7

71 30.6 24.2 36.4



#11

bis(2-Chloroethyl)ether

Concen: 2.621 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.08 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

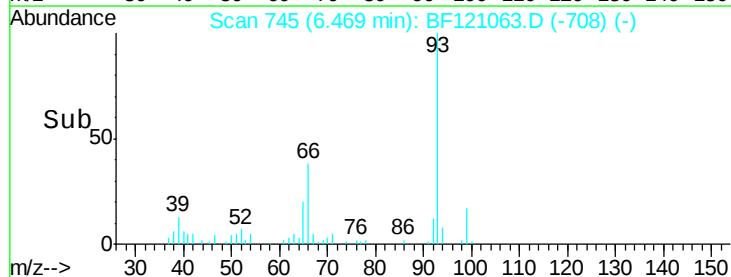
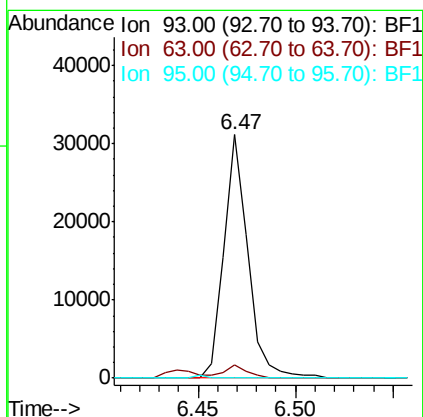
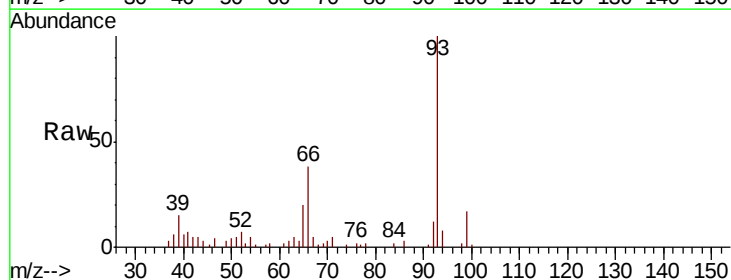
Tgt Ion: 93 Resp: 26547

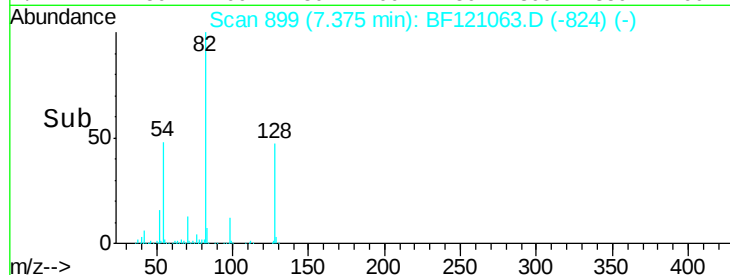
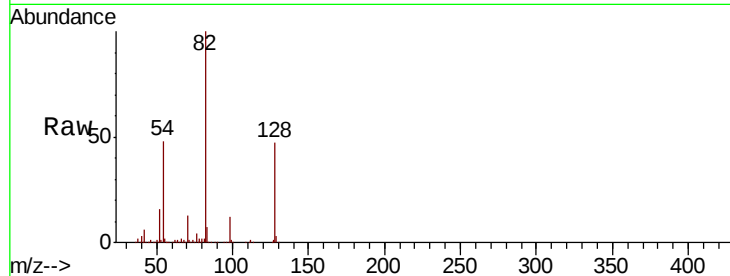
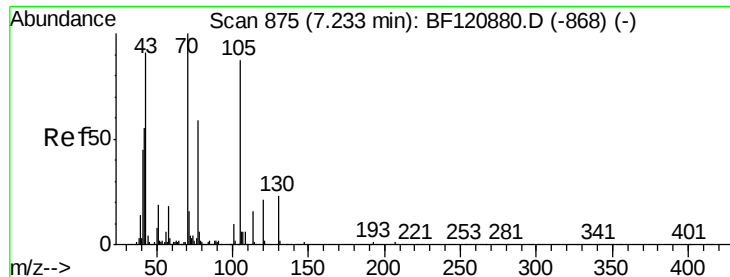
Ion Ratio Lower Upper

93 100

63 5.3 54.2 94.2#

95 0.0 12.2 52.2#

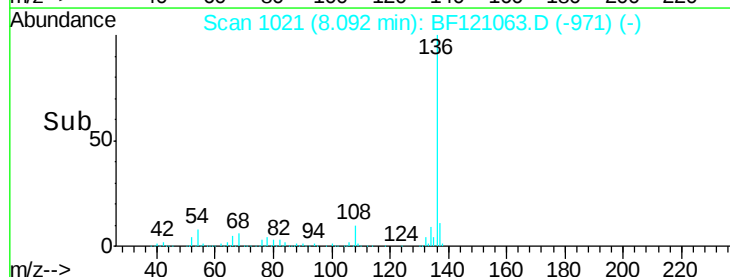
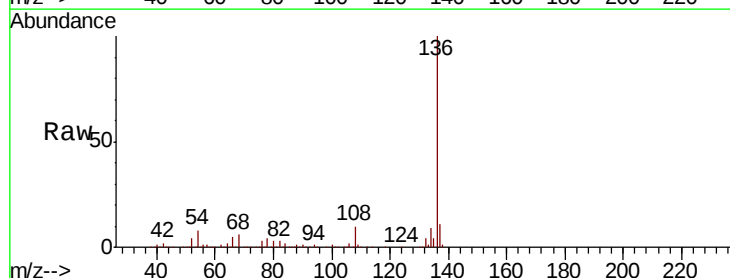
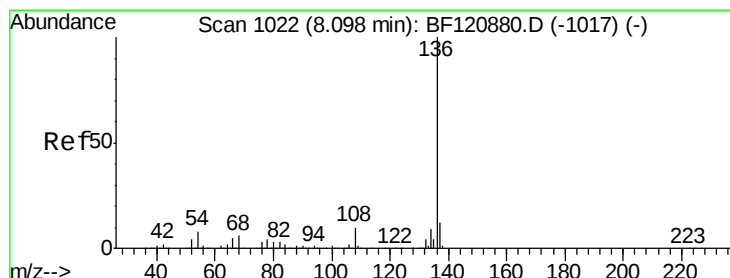
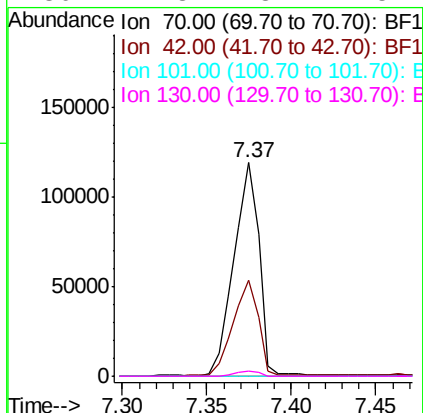




#19
n-Nitroso-di-n-propylamine
Concen: 18.283 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

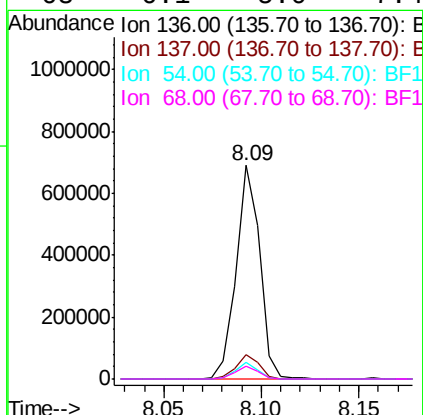
Instrument :
BNA_F
ClientSampleId :
DRUM-WATER

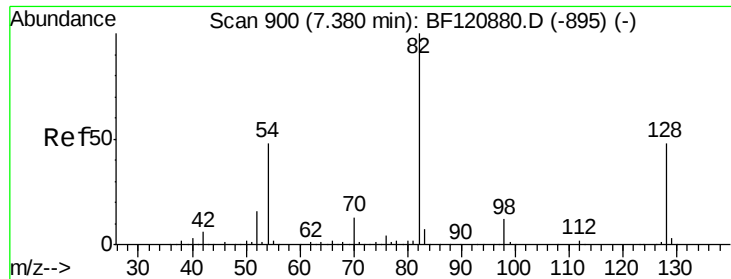
Tot Ion:	70	Resp:	124922
Ion	Ratio	Lower	Upper
70	100		
42	45.0	44.0	66.0
101	0.0	7.8	11.6#
130	2.3	18.7	28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

Tgt Ion:	136	Resp:	580518
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.7	6.3	9.5
68	6.1	5.0	7.4

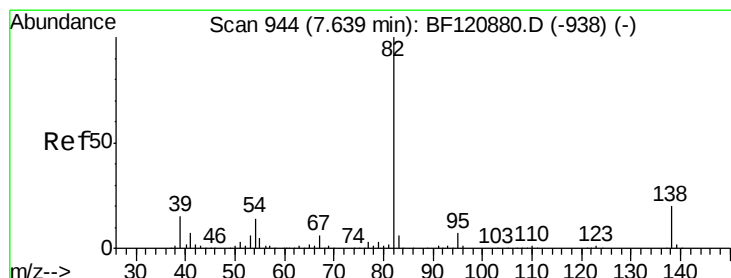
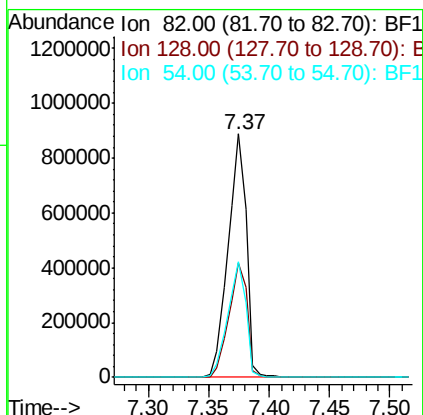
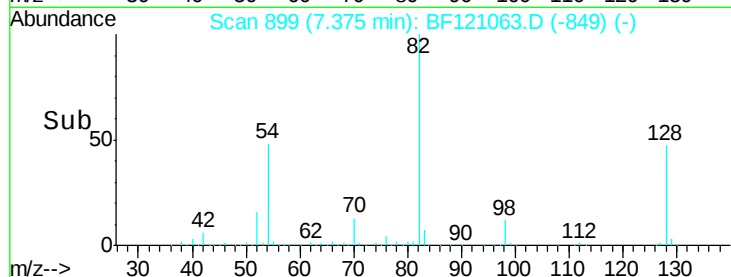
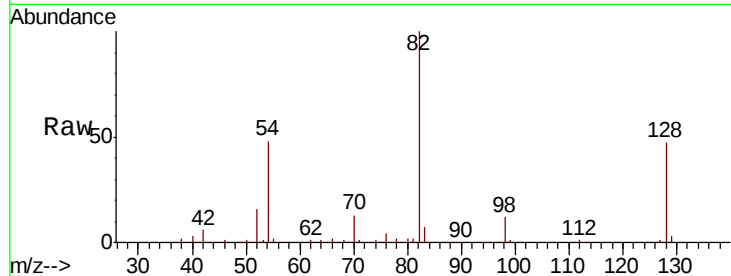




#23
Nitrobenzene-d5
Concen: 93.121 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

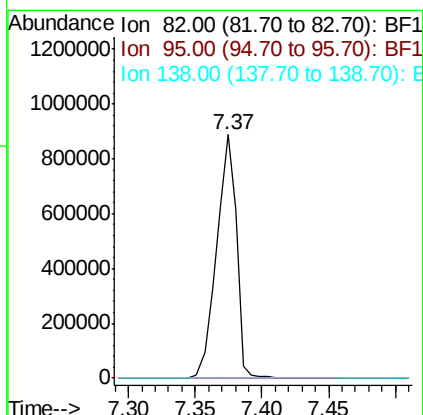
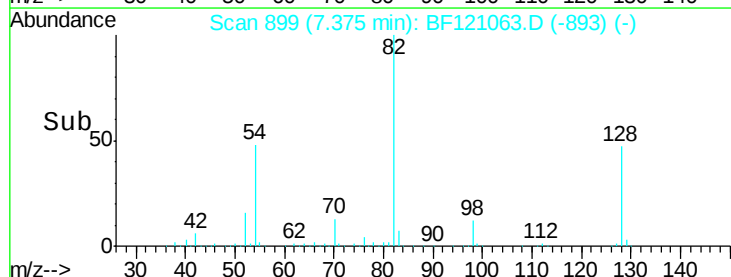
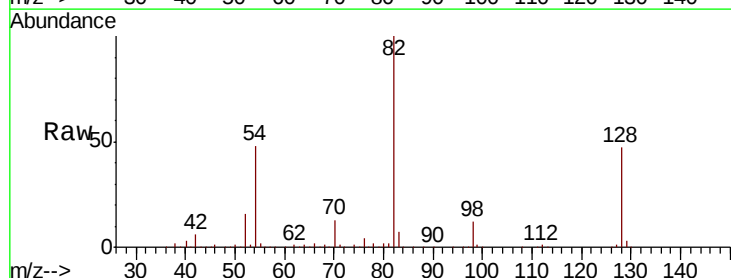
Instrument :
BNA_F
ClientSampleId :
DRUM-WATER

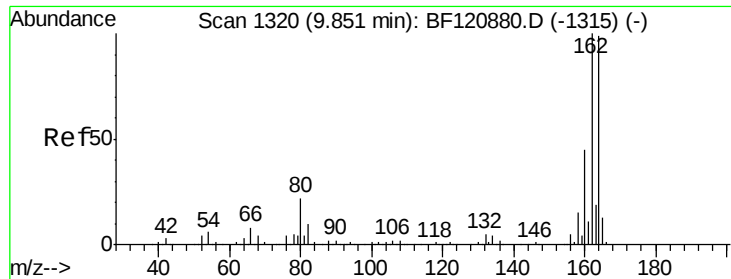
Tot Ion: 82 Resp: 934247
Ion Ratio Lower Upper
82 100
128 47.1 38.2 57.4
54 47.6 38.7 58.1



#25
Isophorone
Concen: 46.461 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

Tgt Ion: 82 Resp: 930289
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#

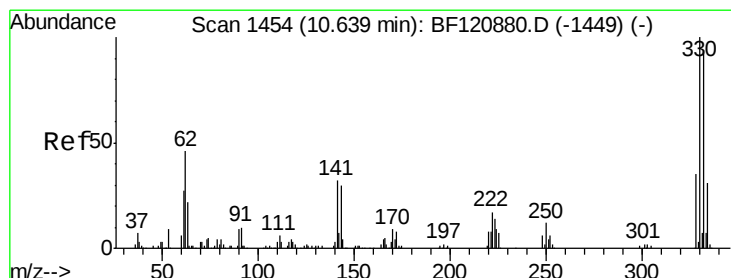
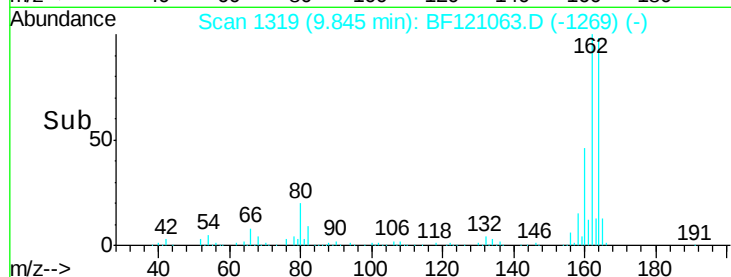
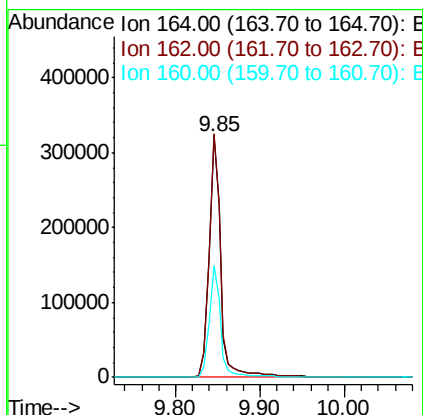
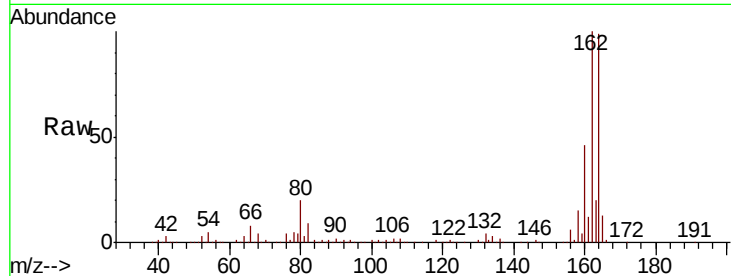




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

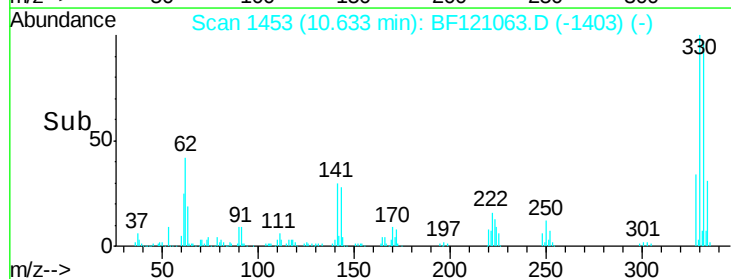
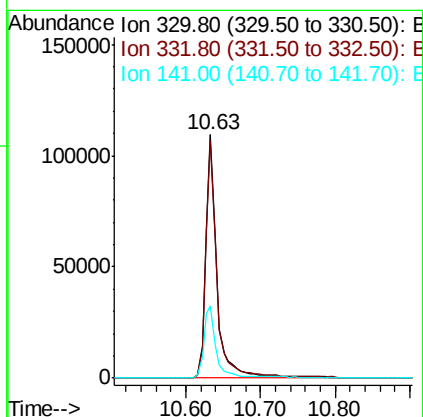
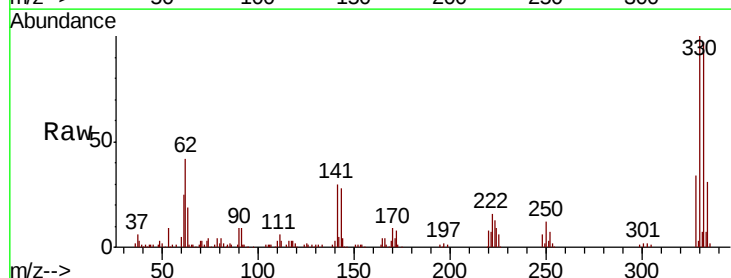
Instrument :
BNA_F
ClientSampleId :
DRUM-WATER

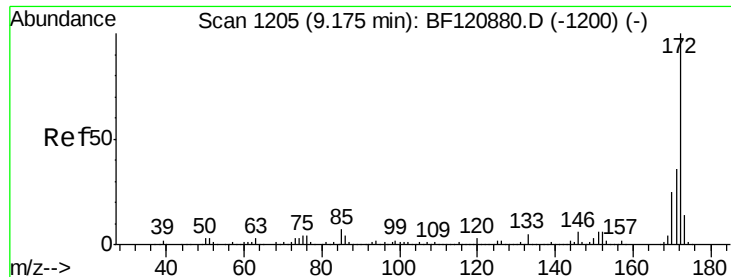
Tot Ion:164 Resp: 314331
Ion Ratio Lower Upper
164 100
162 101.2 81.2 121.8
160 46.4 36.9 55.3



#42
2,4,6-Tribromophenol
Concen: 34.005 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

Tgt Ion:330 Resp: 116999
Ion Ratio Lower Upper
330 100
332 96.8 75.5 113.3
141 32.4 25.7 38.5

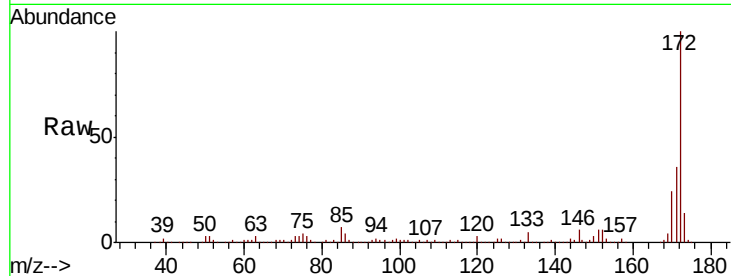




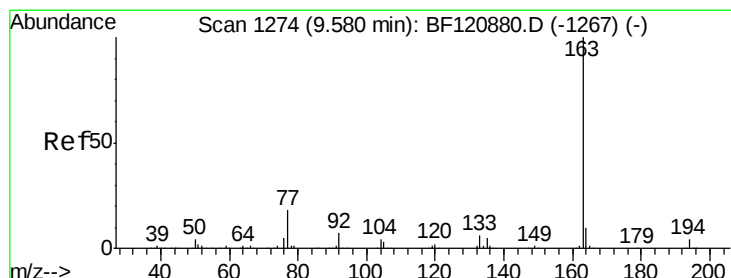
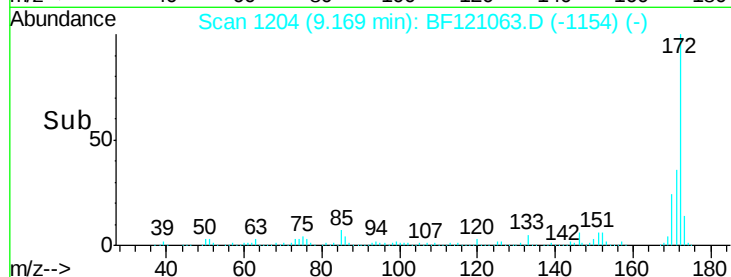
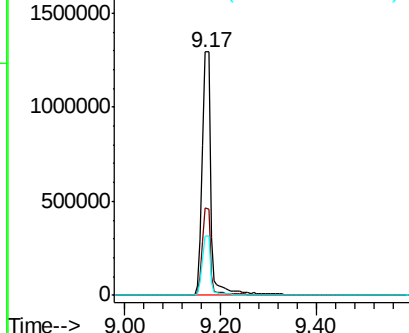
#45
2-Fluorobiphenyl
Concen: 77.596 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

Instrument :
BNA_F
ClientSampleId :
DRUM-WATER

Tot Ion:172 Resp: 1633636
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 24.3 19.6 29.4

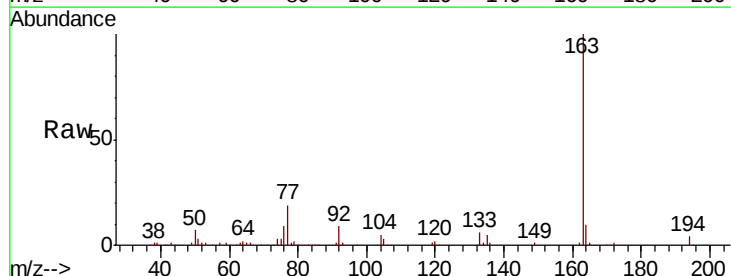


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

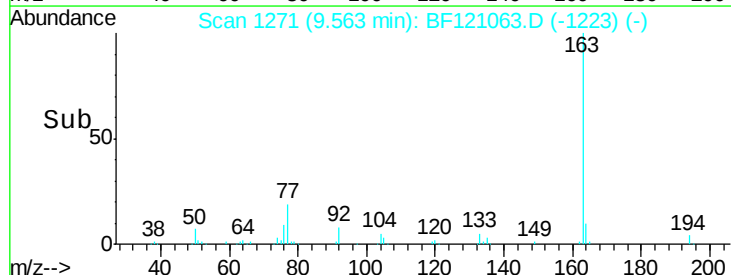
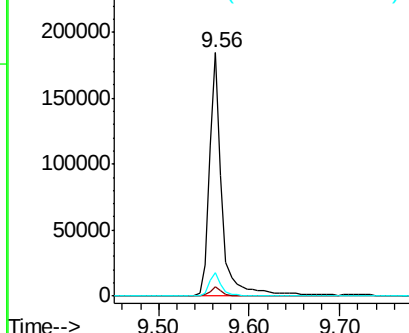


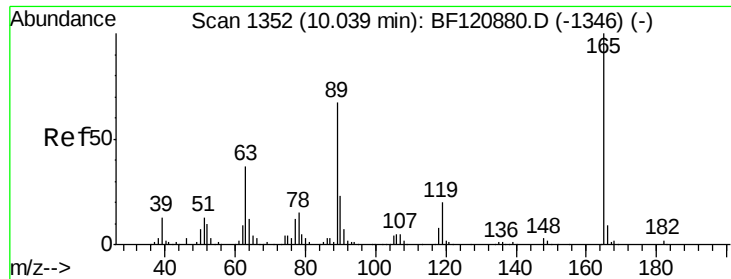
#50
Dimethylphthalate
Concen: 7.960 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121063.D
Acq: 28 Jul 2020 11:48

Tgt Ion:163 Resp: 180519
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.9 7.9 11.9



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

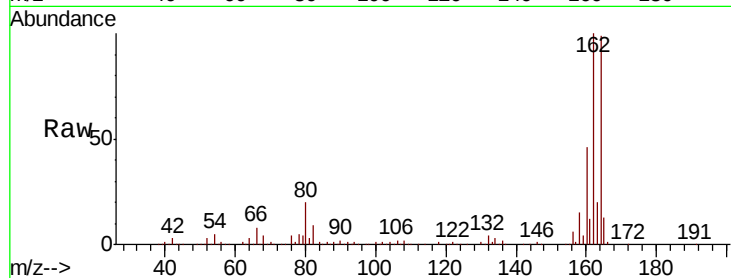




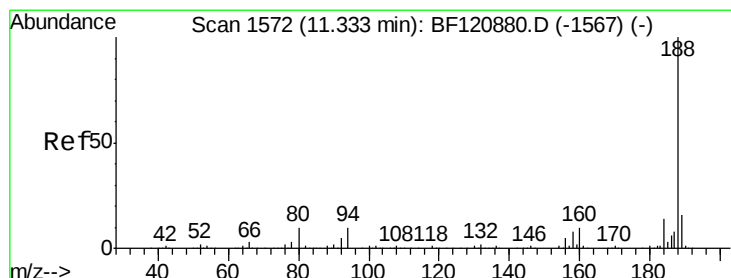
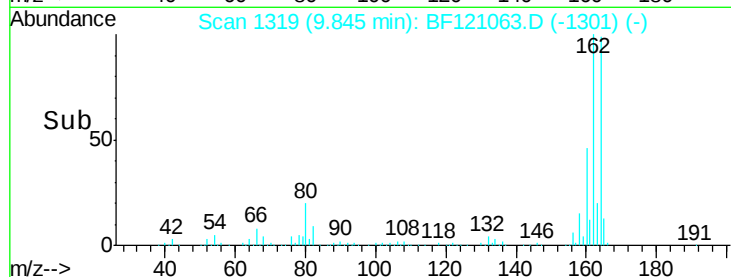
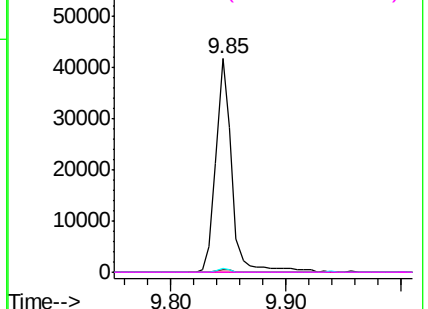
#57
 2,4-Dinitrotoluene
 Concen: 6.270 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF121063.D
 Acq: 28 Jul 2020 11:48

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-WATER

Tot Ion:165 Resp: 40115
 Ion Ratio Lower Upper
 165 100
 63 1.1 29.4 44.2#
 89 1.6 53.4 80.0#
 182 0.0 1.8 2.6#

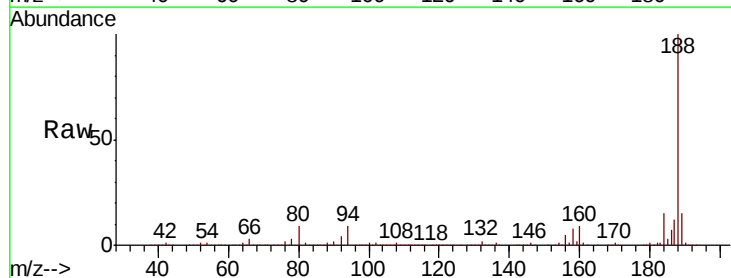


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

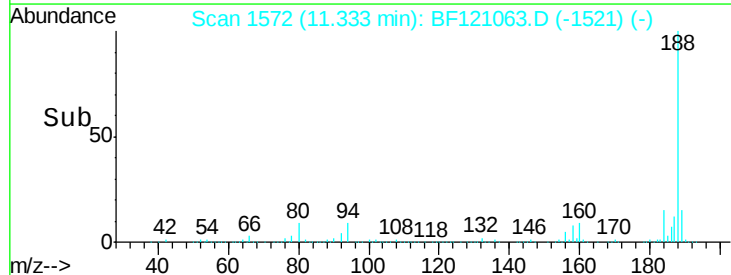
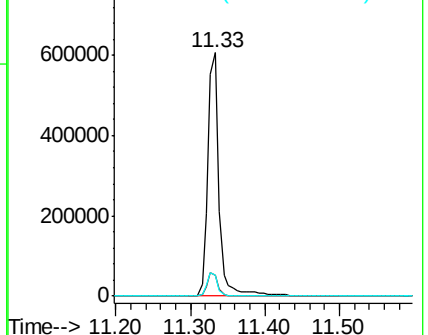


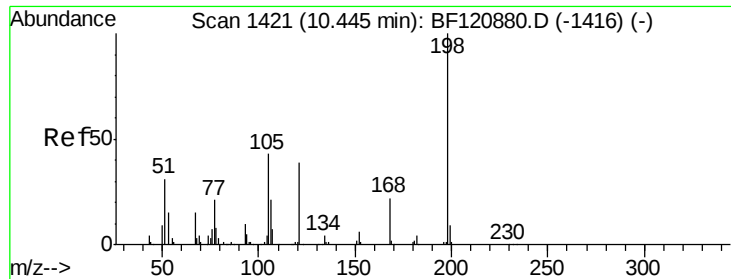
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF121063.D
 Acq: 28 Jul 2020 11:48

Tgt Ion:188 Resp: 637758
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.0 12.0
 80 8.7 8.3 12.5



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





#65

4,6-Dinitro-2-methylphenol

Concen: 3.870 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.18 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

Instrument :

BNA_F

ClientSampleId :

DRUM-WATER

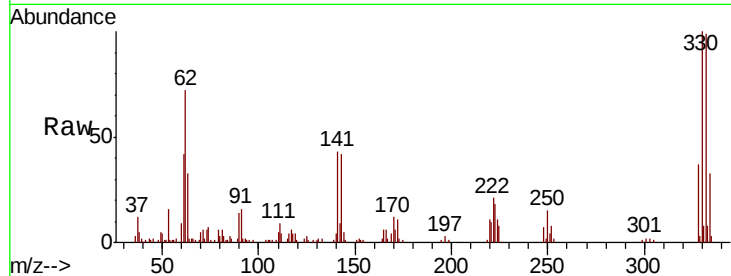
Tot Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 188.3 19.5 59.5#

105 184.8 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

800

600

400

200

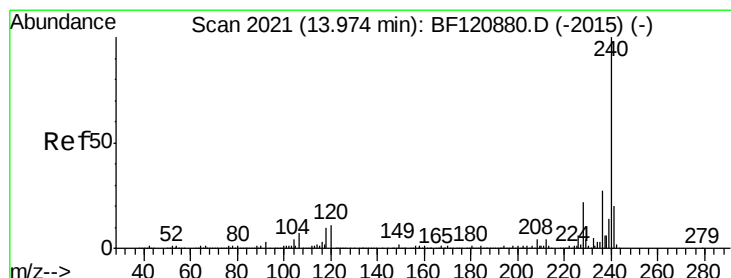
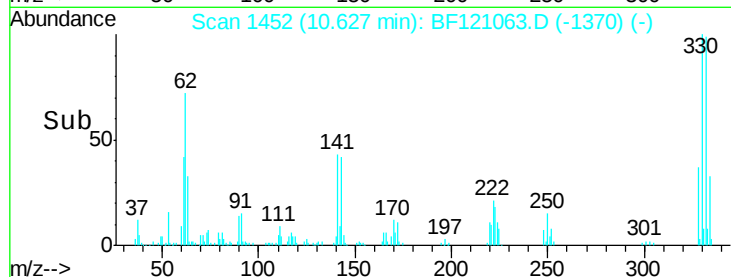
0

10.62

10.63

10.64

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121063.D

Acq: 28 Jul 2020 11:48

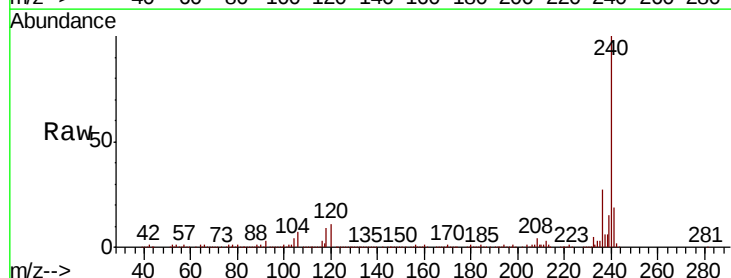
Tgt Ion:240 Resp: 610117

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 26.8 21.7 32.5



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

800000

600000

400000

200000

0

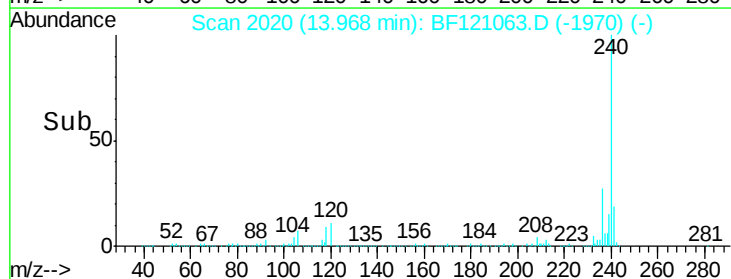
13.90

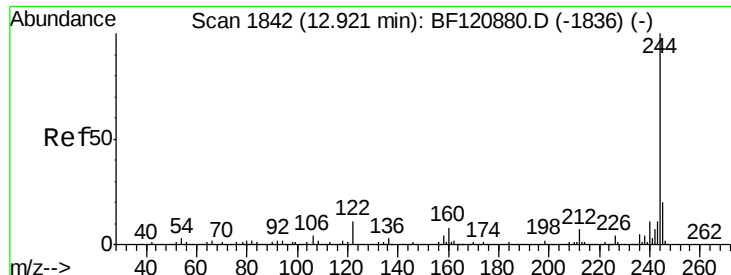
13.97

14.00

14.10

Time-->

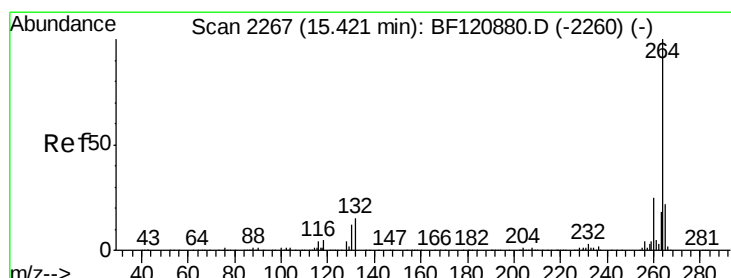
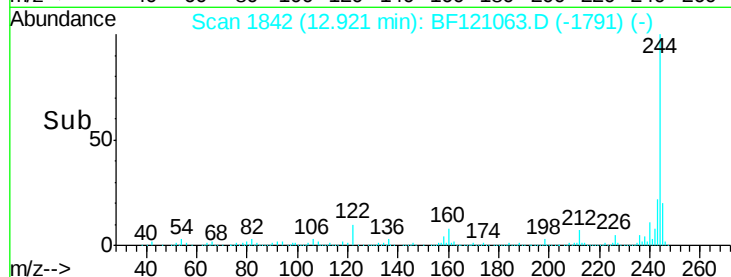
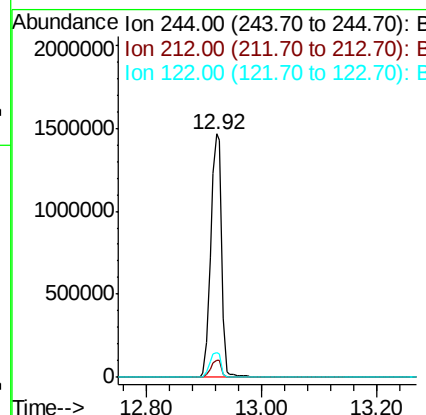
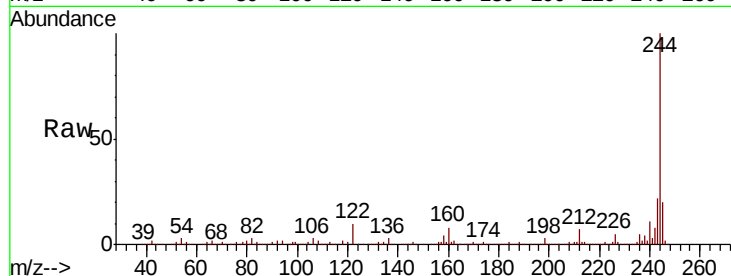




#79
 Terphenyl-d14
 Concen: 70.597 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF121063.D
 Acq: 28 Jul 2020 11:48

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-WATER

Tot Ion:244 Resp: 1981455
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.1 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF121063.D
 Acq: 28 Jul 2020 11:48

Tgt Ion:264 Resp: 634078
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.0 30.0
 265 21.5 17.4 26.2

