

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120779.D
 Acq On : 7 Jul 2020 11:12
 Operator : JU/CG
 Sample : PB129924BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129924BL

Quant Time: Jul 07 14:32:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

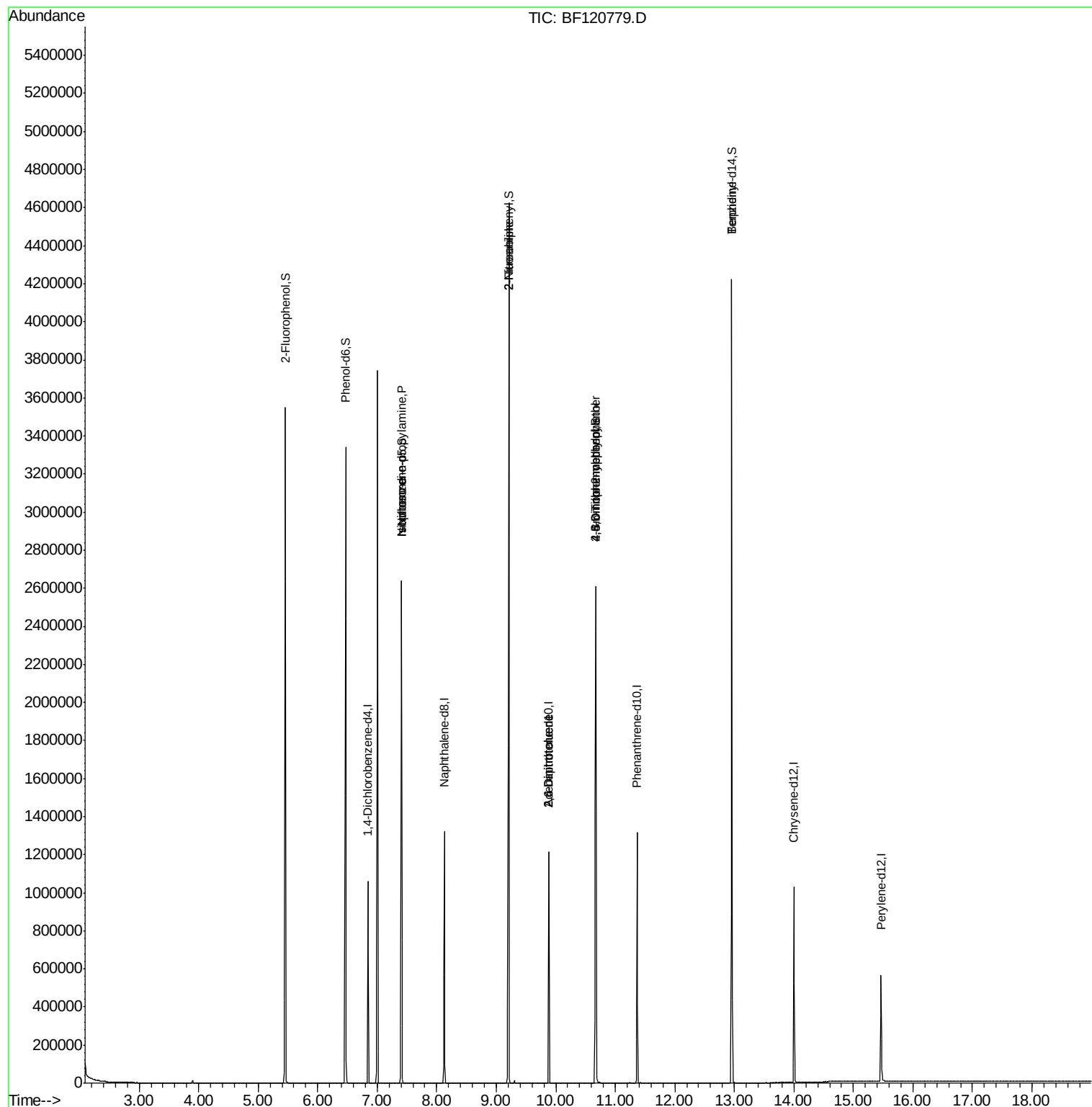
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	129936	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	487937	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	238007	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	426512	20.00	ng	0.00
76) Chrysene-d12	14.00	240	297203	20.00	ng	0.00
86) Perylene-d12	15.46	264	240723	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1068235	126.91	ng	0.00
7) Phenol-d6	6.47	99	1299955	120.93	ng	0.00
23) Nitrobenzene-d5	7.41	82	795121	94.41	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	318913	133.37	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1416665	90.05	ng	0.00
79) Terphenyl-d14	12.96	244	1603329	105.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	108881	16.823	ng	# 79
25) Isophorone	7.41	82	794898	43.767	ng	# 64
48) 2-Nitroaniline	9.21	65	2460	3.125	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	30426	10.677	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	30426	9.700	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	849	7.412	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	19635	3.969	ng	# 1
77) Benzidine	12.96	184	24175	2.882	ng	# 94

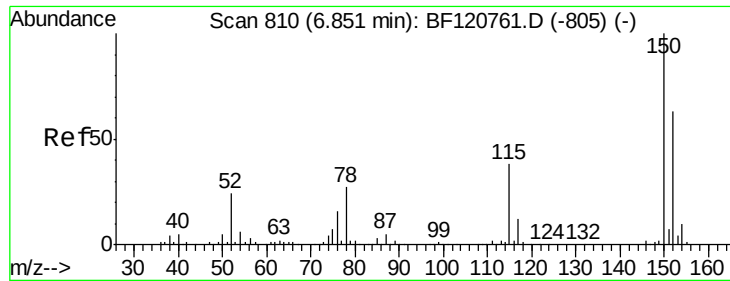
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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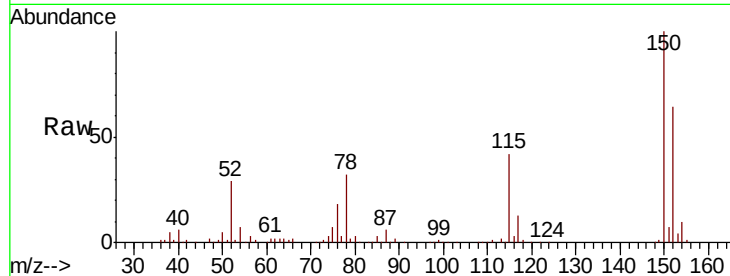


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Instrument :
BNA_F
ClientSampleId :
PB129924BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.1	189.1
115	65.5	48.5	72.7

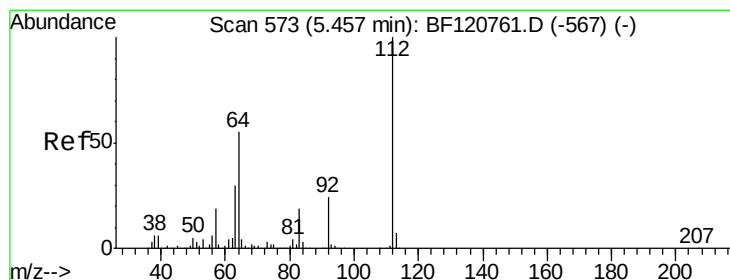
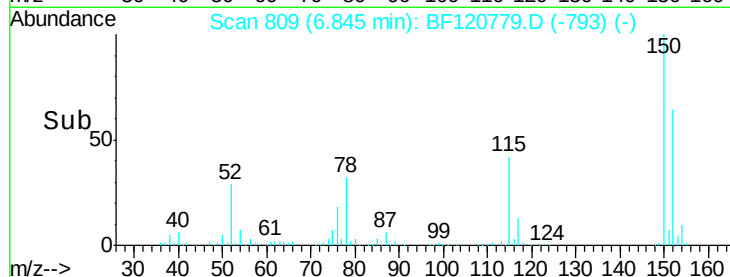
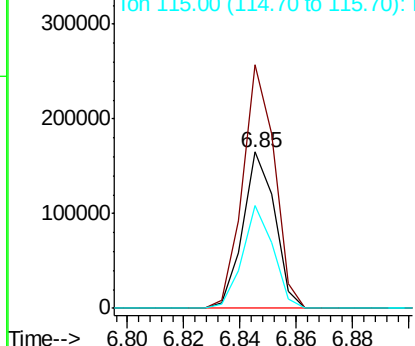


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

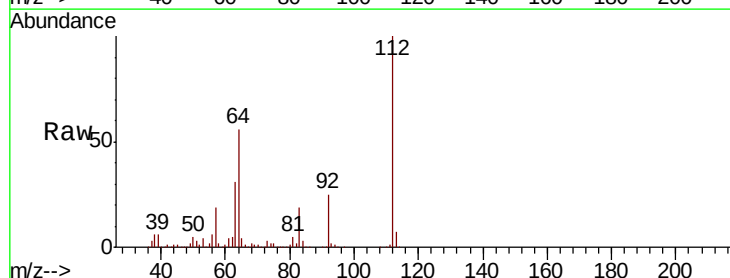
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.907 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	43.8	65.6
63	30.7	23.6	35.4

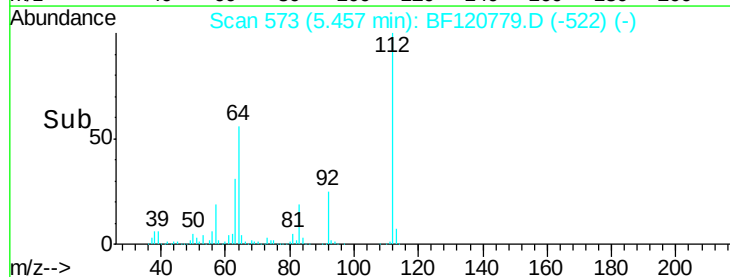
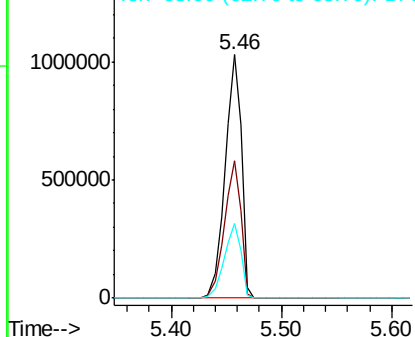


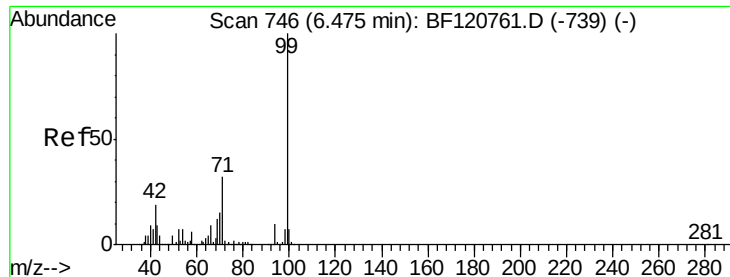
Abundance

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: 120.932 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

Instrument :

BNA_F

ClientSampleId :

PB129924BL

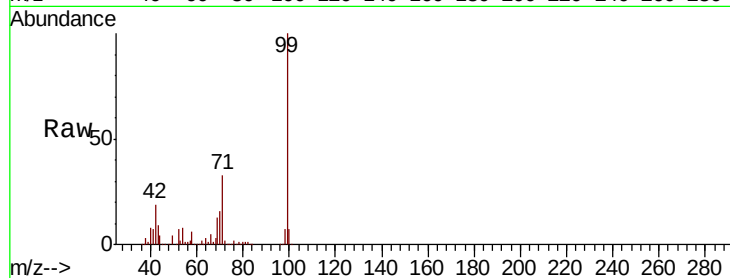
Tot Ion: 99 Resp: 1299955

Ion Ratio Lower Upper

99 100

42 19.1 15.4 23.0

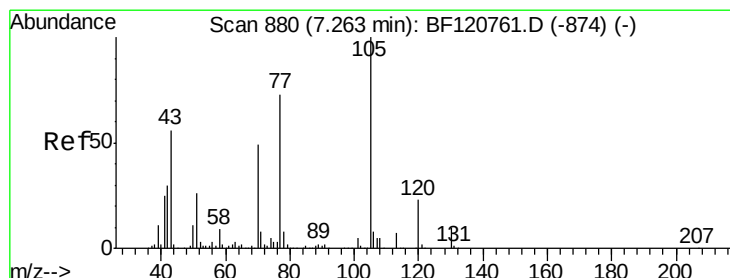
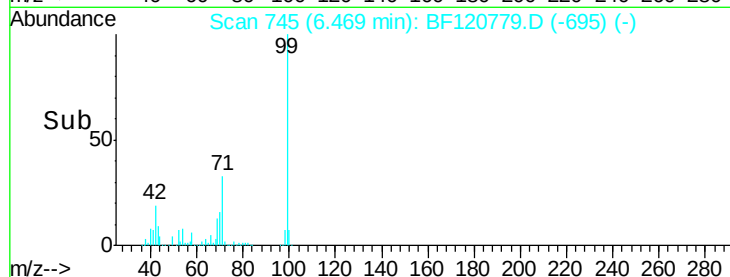
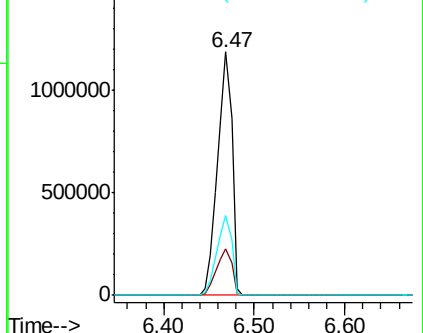
71 33.0 25.9 38.9



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: 16.823 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

Tgt Ion: 70 Resp: 108881

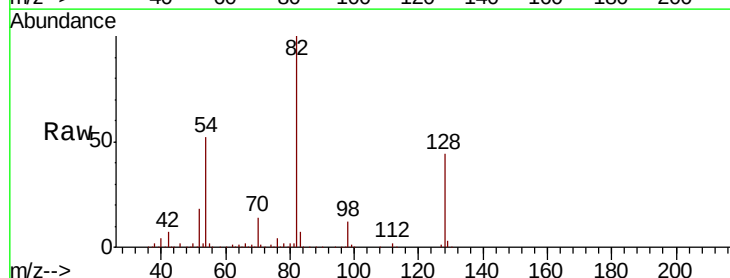
Ion Ratio Lower Upper

70 100

42 51.7 50.3 75.5

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

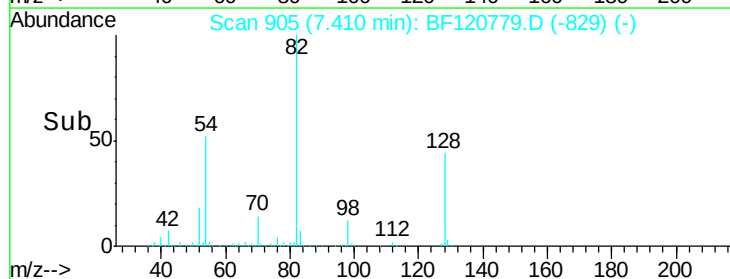
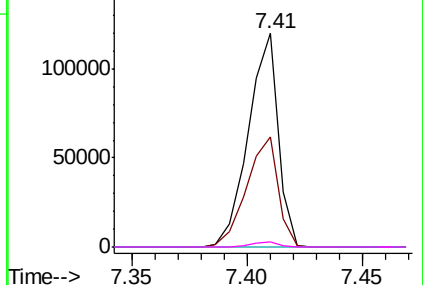


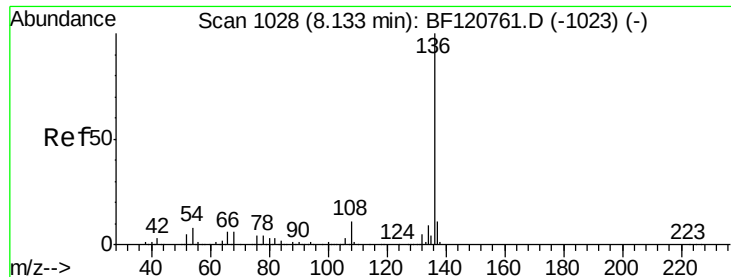
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

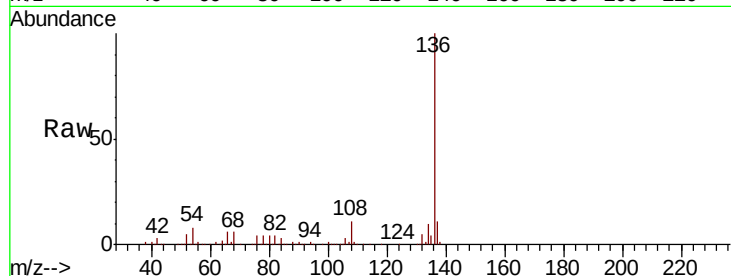




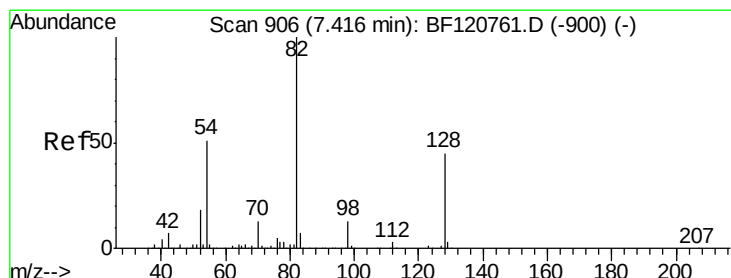
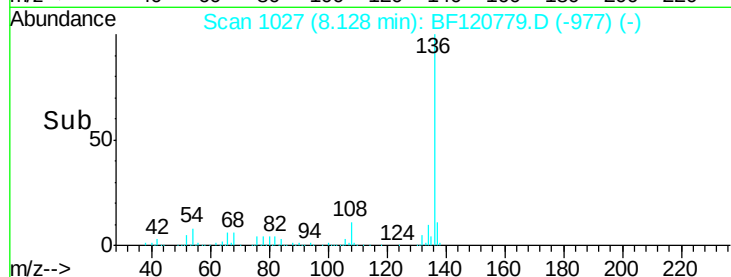
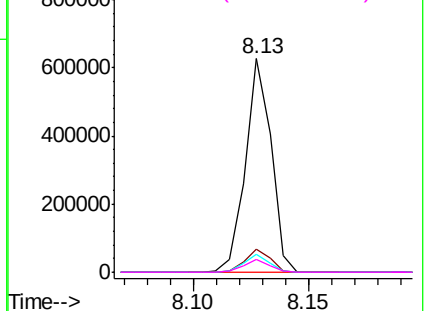
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Instrument :
BNA_F
ClientSampleId :
PB129924BL

Tot Ion:136	Resp:	487937
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.0	13.6
54 8.4	6.2	9.4
68 5.9	4.7	7.1

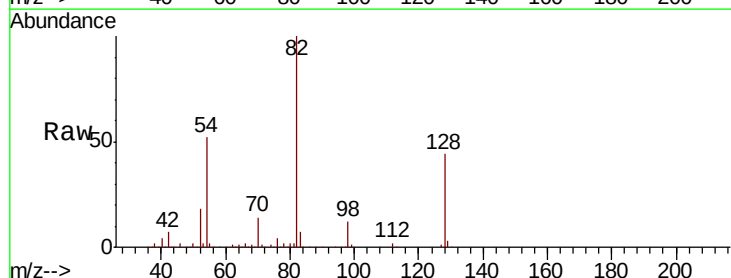


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

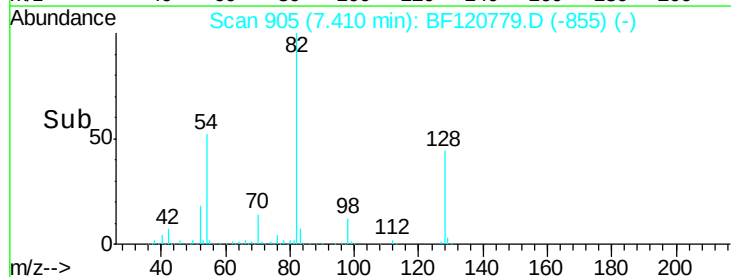
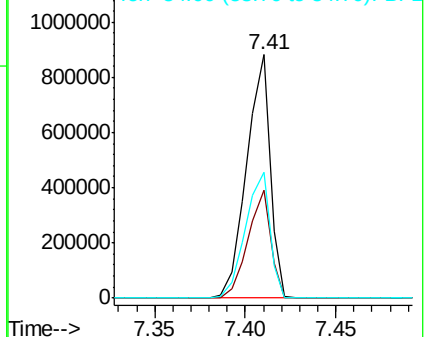


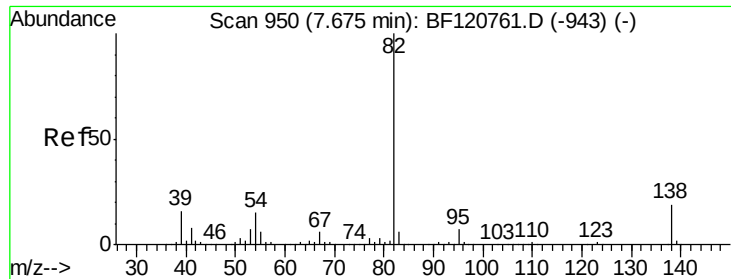
#23
Nitrobenzene-d5
Concen: 94.413 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Tgt	Ion: 82	Resp:	795121
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.7	53.5
54	51.8	40.9	61.3



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: 43.767 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

Instrument :

BNA_F

ClientSampleId :

PB129924BL

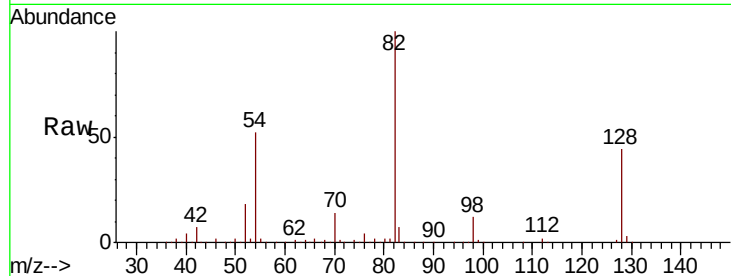
Tot Ion: 82 Resp: 794898

Ion Ratio Lower Upper

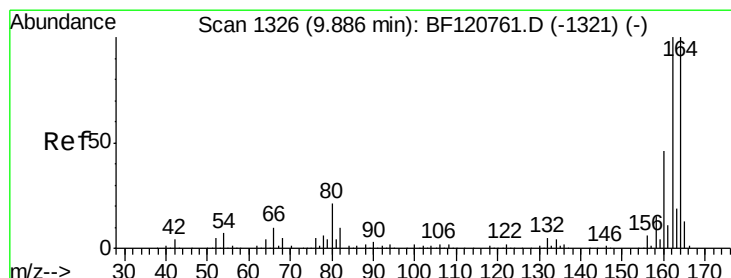
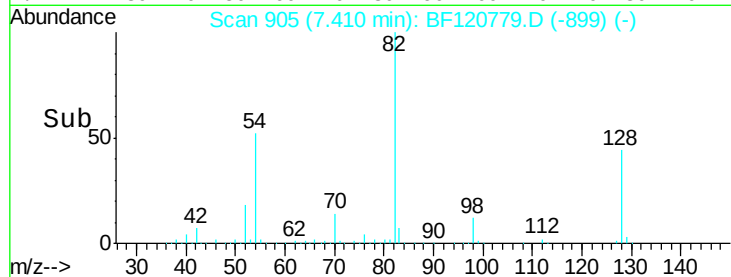
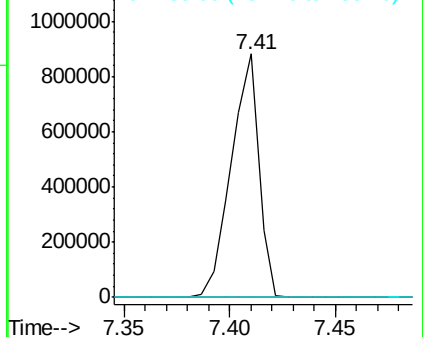
82 100

95 0.0 5.4 8.2#

138 0.0 15.0 22.4#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

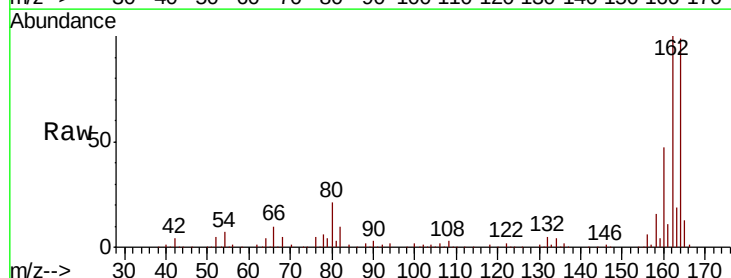
Tgt Ion: 164 Resp: 238007

Ion Ratio Lower Upper

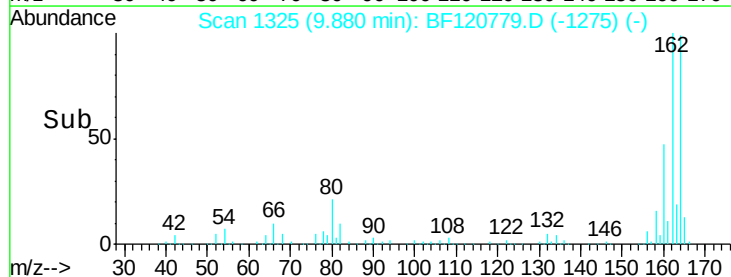
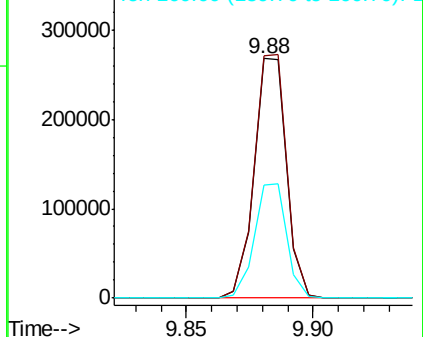
164 100

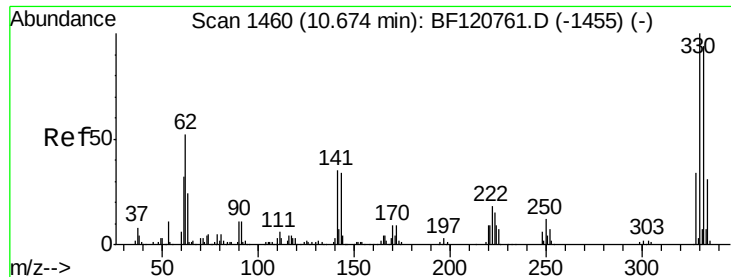
162 101.0 80.2 120.2

160 47.4 36.9 55.3



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: 133.374 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

Instrument :

BNA_F

ClientSampleId :

PB129924BL

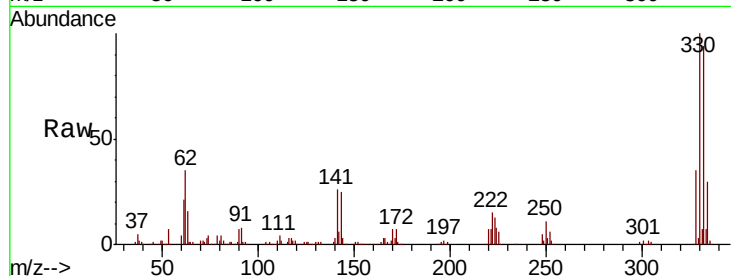
Tot Ion:330 Resp: 318913

Ion Ratio Lower Upper

330 100

332 95.2 75.8 113.6

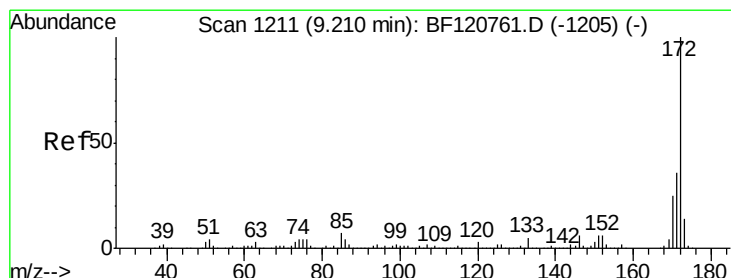
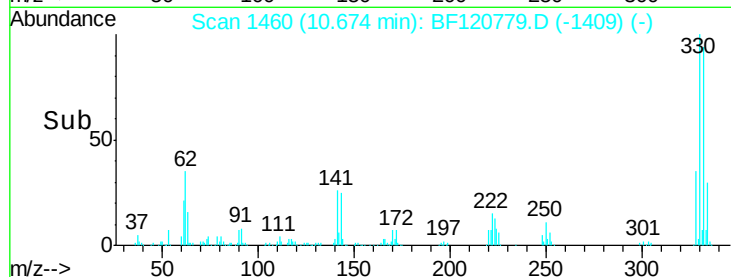
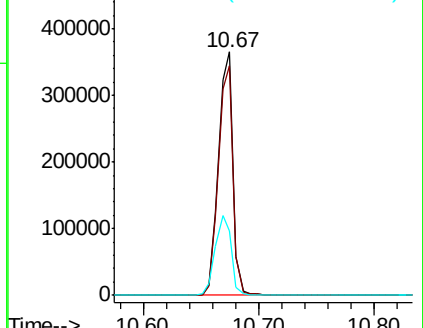
141 36.2 29.7 44.5



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



#45

2-Fluorobiphenyl

Concen: 90.053 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

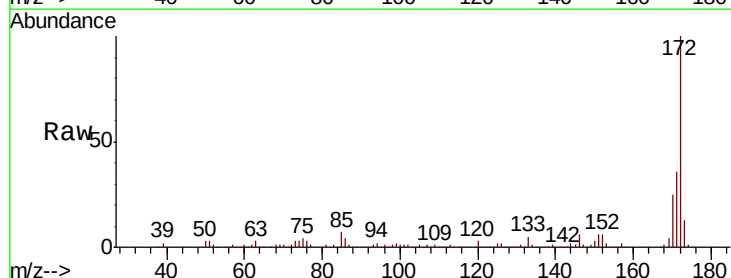
Tgt Ion:172 Resp: 1416665

Ion Ratio Lower Upper

172 100

171 36.5 29.1 43.7

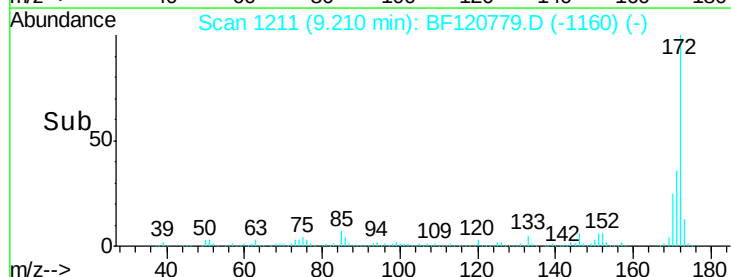
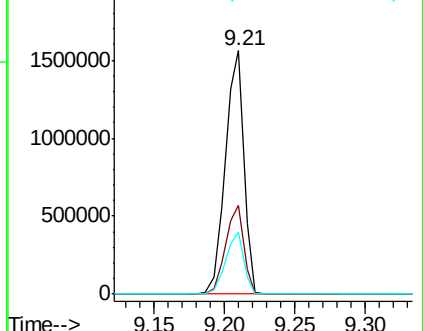
170 25.4 19.8 29.6

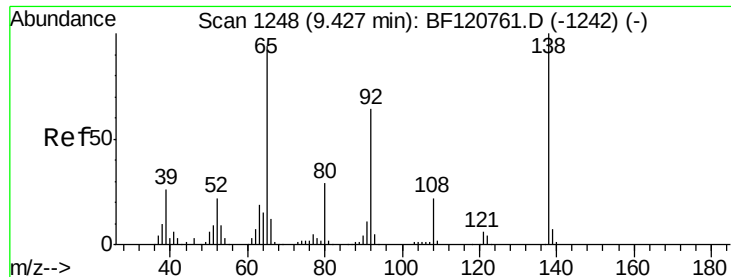


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

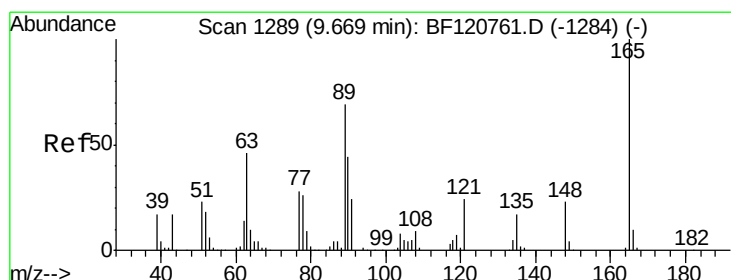
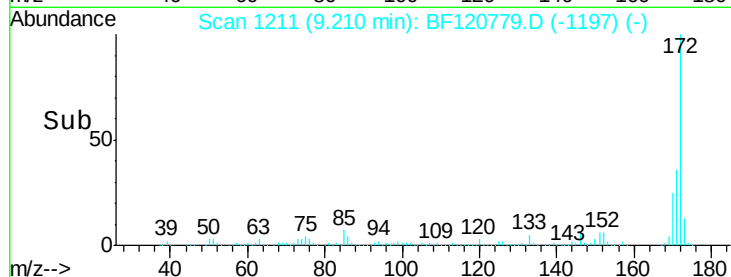
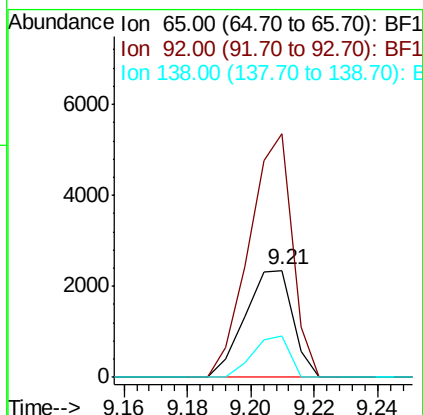
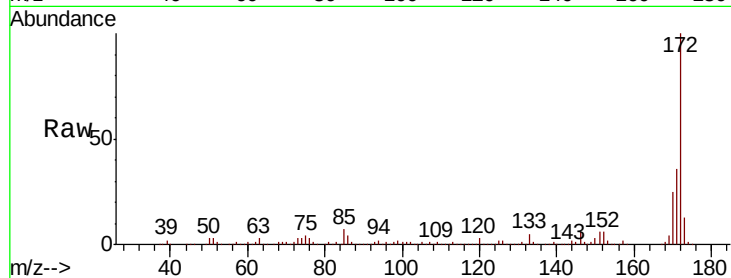




#48
2-Nitroaniline
Concen: 3.125 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.22 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

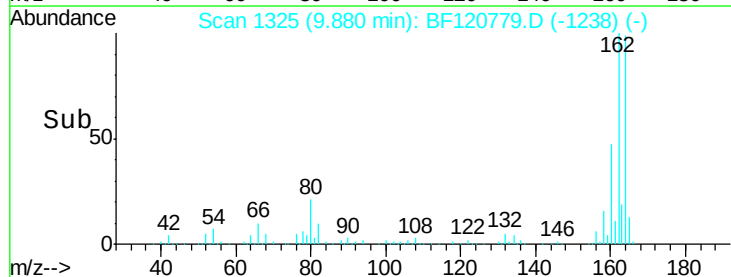
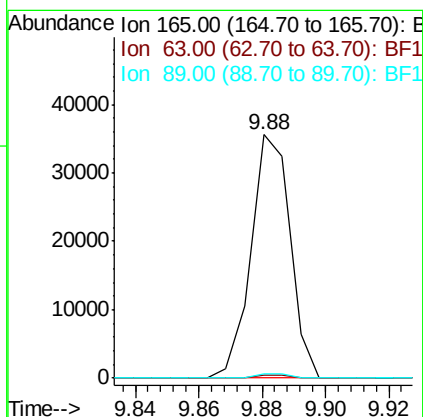
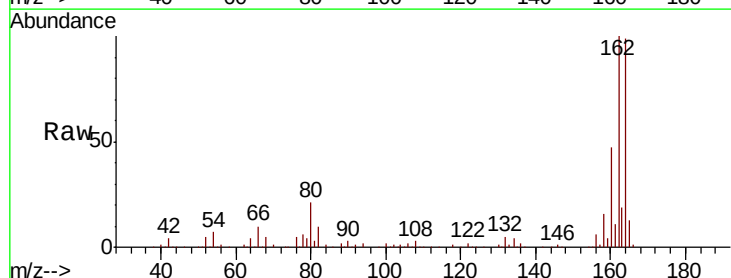
Instrument :
BNA_F
ClientSampleId :
PB129924BL

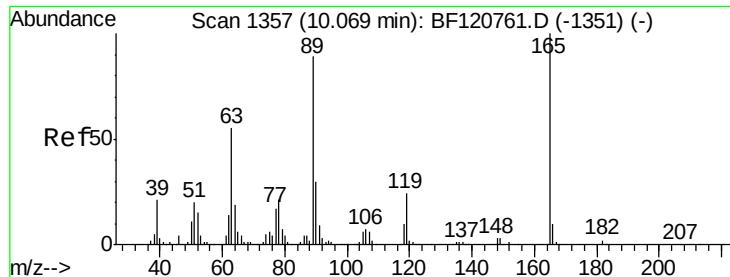
Tot Ion: 65 Resp: 2460
Ion Ratio Lower Upper
65 100
92 228.1 54.4 81.6#
138 38.4 84.7 127.1#



#51
2,6-Dinitrotoluene
Concen: 10.677 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Tgt Ion:165 Resp: 30426
Ion Ratio Lower Upper
165 100
63 1.3 54.0 81.0#
89 1.6 55.4 83.2#





#57

2,4-Dinitrotoluene

Concen: 9.700 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

Instrument :

BNA_F

ClientSampleId :

PB129924BL

Tot Ion:165 Resp: 30426

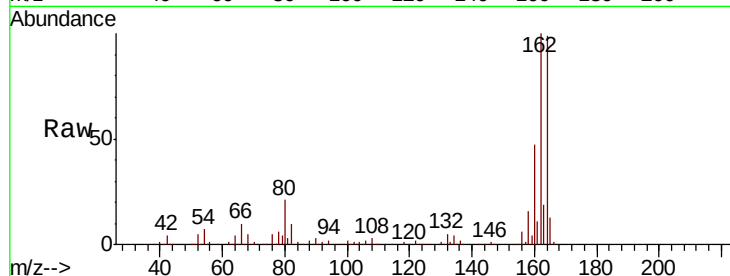
Ion Ratio Lower Upper

165 100

63 1.3 43.8 65.8#

89 1.6 71.4 107.2#

182 0.0 1.8 2.6#

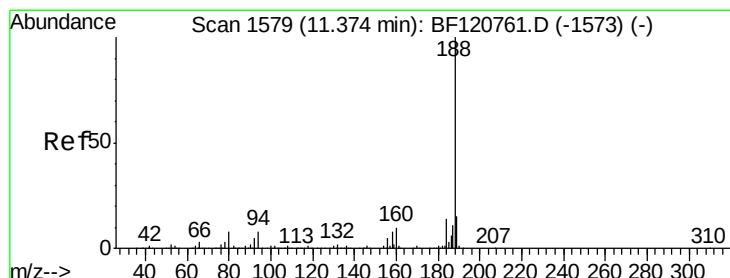
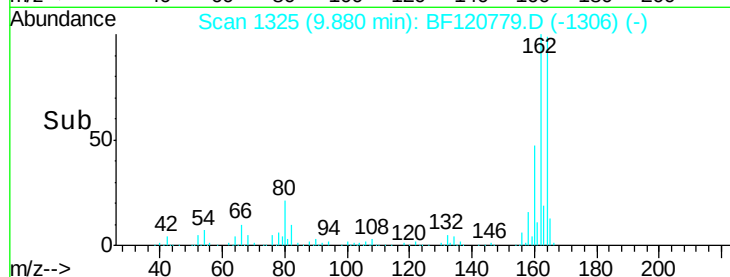
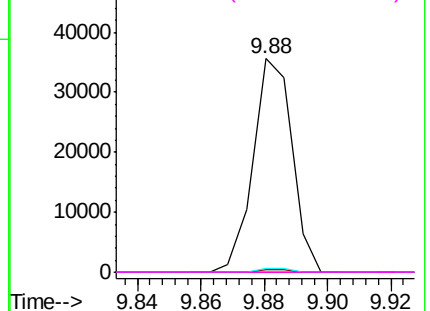


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120779.D

Acq: 7 Jul 2020 11:12

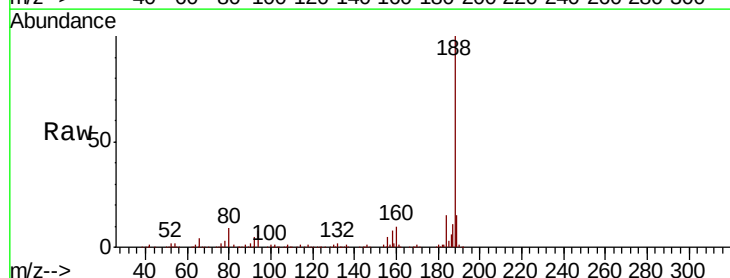
Tgt Ion:188 Resp: 426512

Ion Ratio Lower Upper

188 100

94 8.2 6.6 9.8

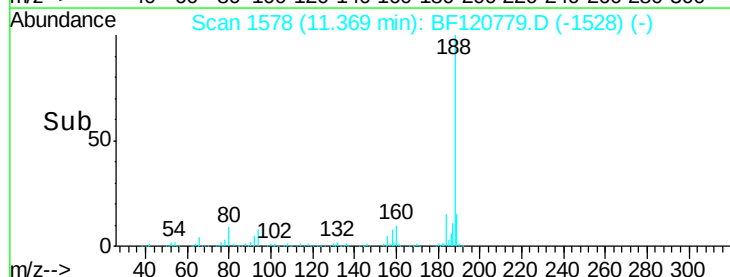
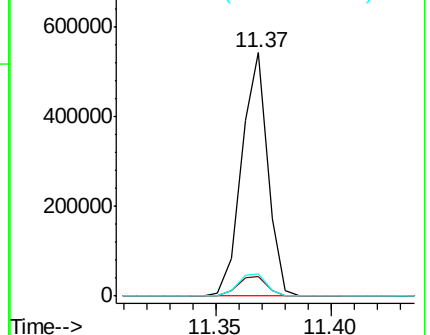
80 9.0 6.6 10.0

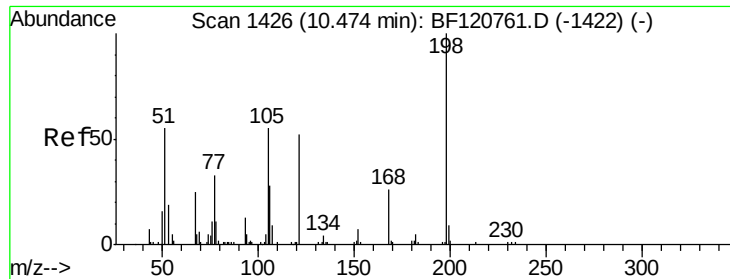


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

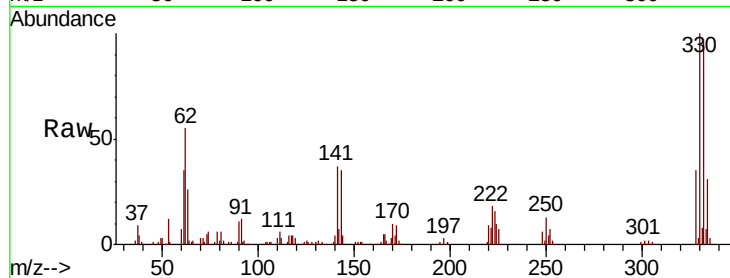




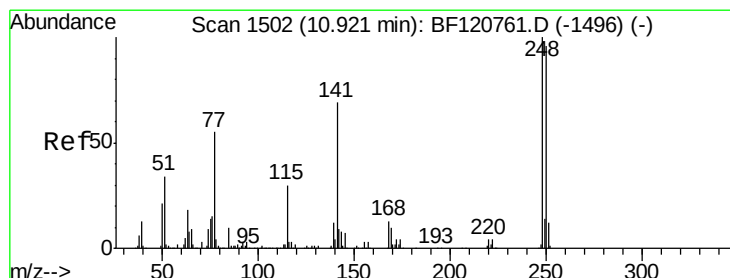
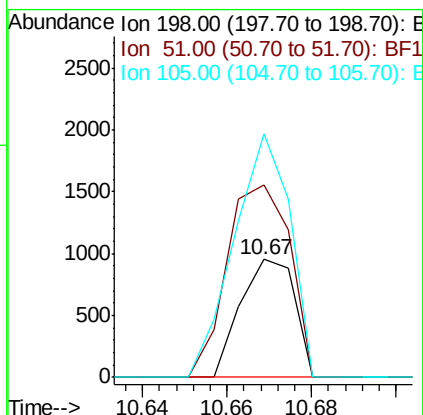
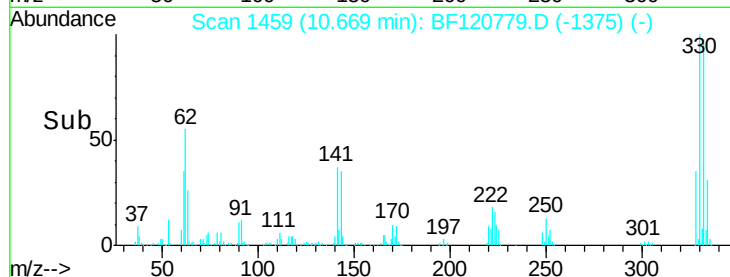
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.412 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF120779.D
 Acq: 7 Jul 2020 11:12

Instrument :
 BNA_F
 ClientSampleId :
 PB129924BL

Tot Ion:198 Resp: 849
 Ion Ratio Lower Upper
 198 100
 51 163.3 50.0 90.0#
 105 206.9 38.3 78.3#

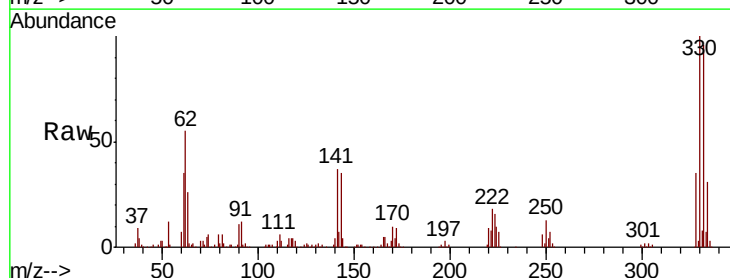


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

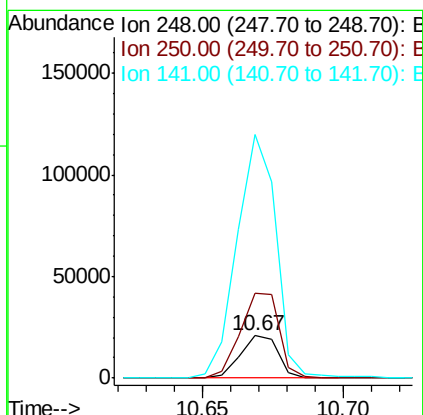
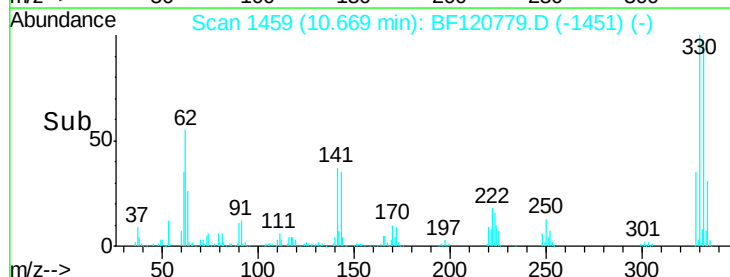


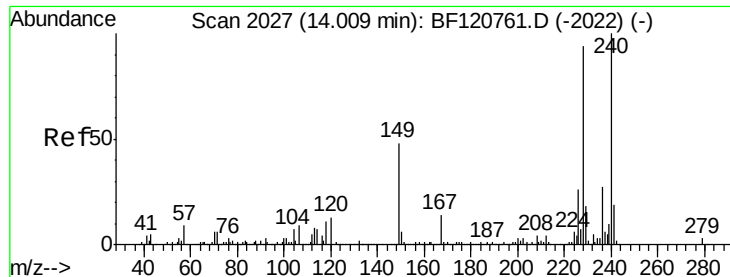
#67
 4-Bromophenyl-phenylether
 Concen: 3.969 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120779.D
 Acq: 7 Jul 2020 11:12

Tgt Ion:248 Resp: 19635
 Ion Ratio Lower Upper
 248 100
 250 199.2 76.5 114.7#
 141 574.3 54.9 82.3#



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

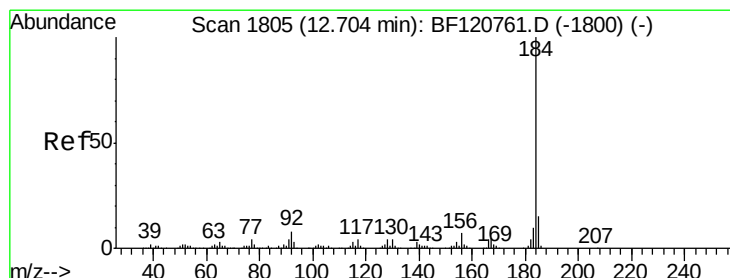
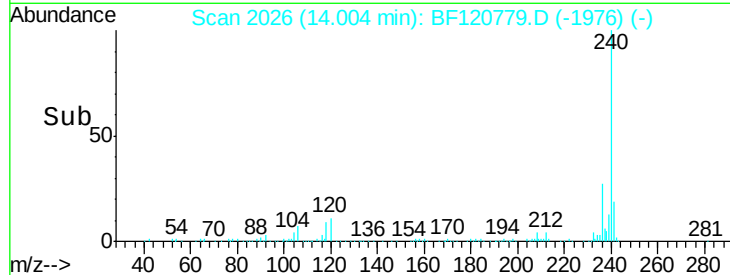
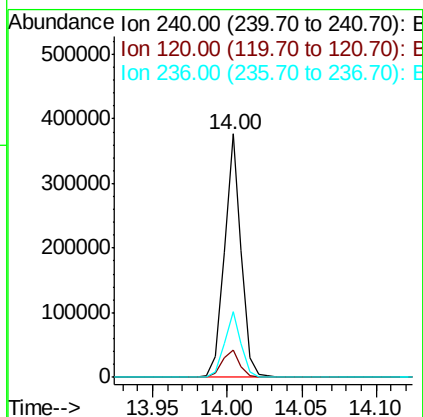
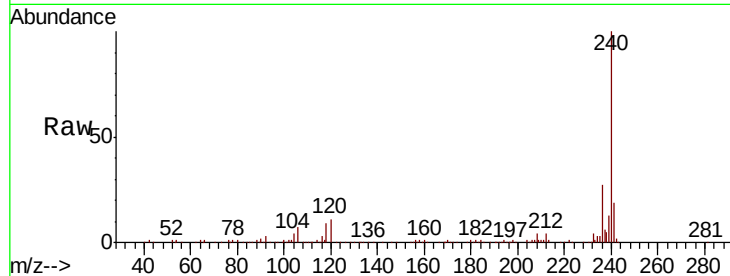




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

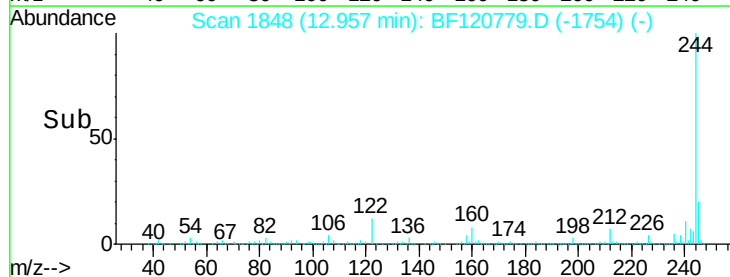
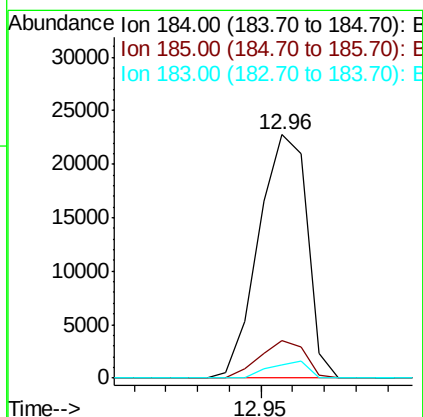
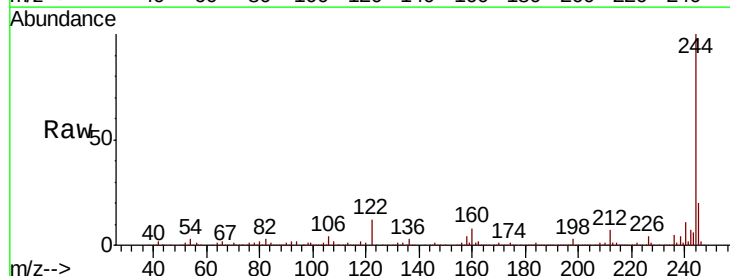
Instrument :
BNA_F
ClientSampleId :
PB129924BL

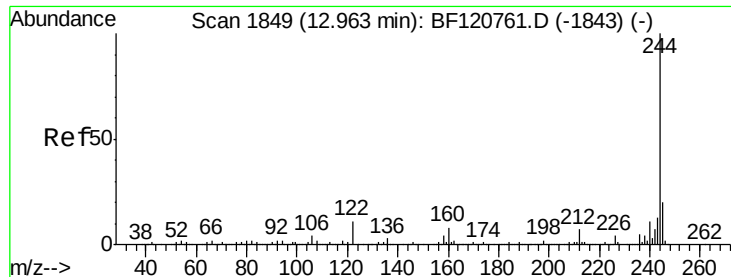
Tot Ion:240 Resp: 297203
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 26.9 21.4 32.2



#77
Benzidine
Concen: 2.882 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120779.D
Acq: 7 Jul 2020 11:12

Tgt Ion:184 Resp: 24175
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 5.6 8.3 12.5#



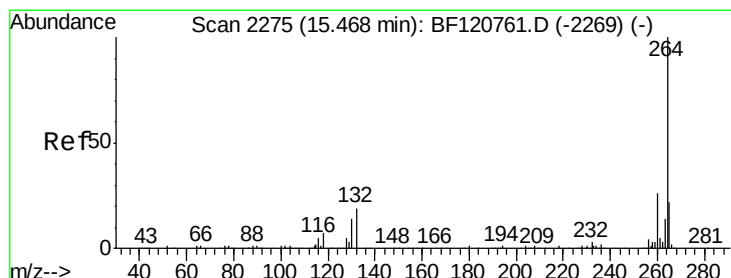
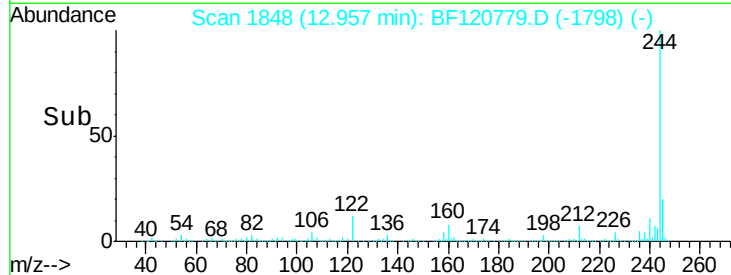
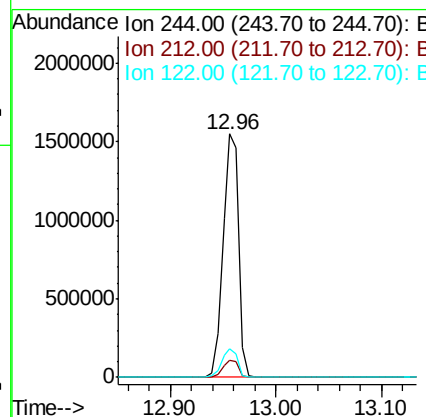
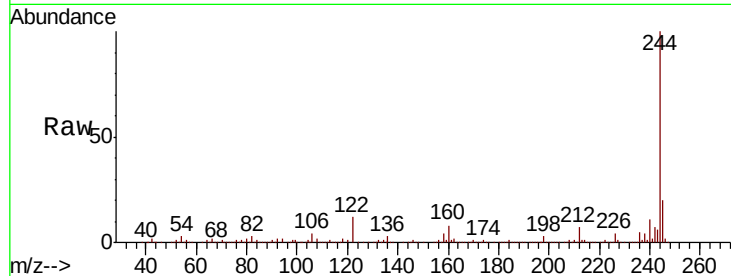


#79
 Terphenyl-d14
 Concen: 105.623 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120779.D
 Acq: 7 Jul 2020 11:12

Instrument :
 BNA_F
 ClientSampleId :
 PB129924BL

Tot Ion:244 Resp: 1603329

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.5	9.0	13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF120779.D
 Acq: 7 Jul 2020 11:12

Tgt Ion:264 Resp: 240723

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.6	30.8
265	22.0	17.6	26.4

