

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120803.D
 Acq On : 8 Jul 2020 00:33
 Operator : JU/CG
 Sample : PB130002BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130002BL

Quant Time: Jul 08 01:18:52 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	151169	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	573479	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	288064	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	534831	20.00	ng	0.00
76) Chrysene-d12	14.00	240	365111	20.00	ng	0.00
86) Perylene-d12	15.46	264	281852	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1229293	125.53	ng	0.00
7) Phenol-d6	6.47	99	1492998	119.38	ng	0.00
23) Nitrobenzene-d5	7.41	82	940946	95.06	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	299443	103.47	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1577209	82.84	ng	0.00
79) Terphenyl-d14	12.96	244	1787134	95.83	ng	0.00

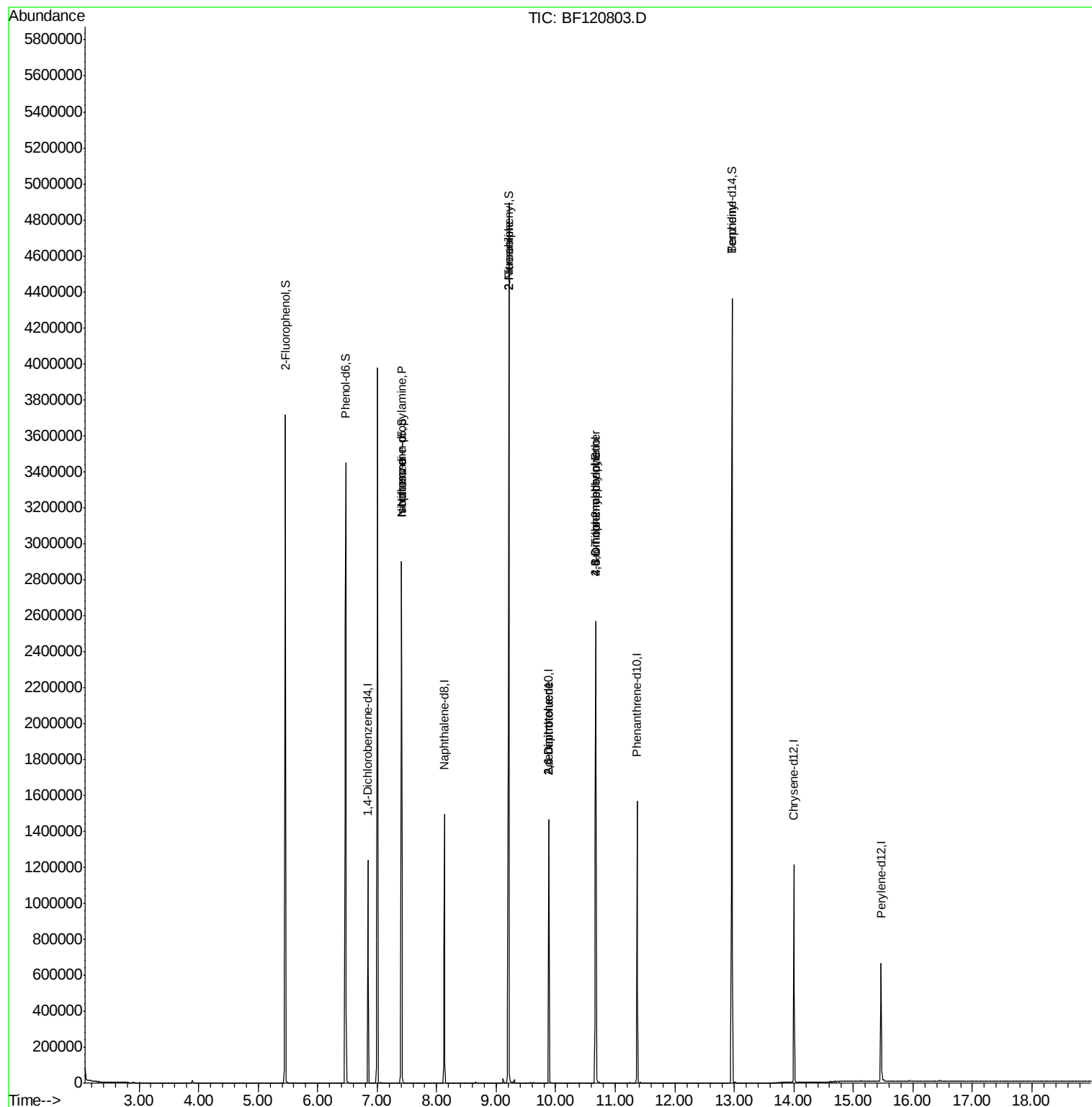
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	126463	16.795	ng	# 77
25) Isophorone	7.41	82	940691	44.068	ng	# 64
48) 2-Nitroaniline	9.21	65	2738	3.084	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	36729	10.655	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	36729	9.683	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	735	7.287	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	17954	2.894	ng	# 1
77) Benzidine	12.96	184	26645	2.585	ng	# 96

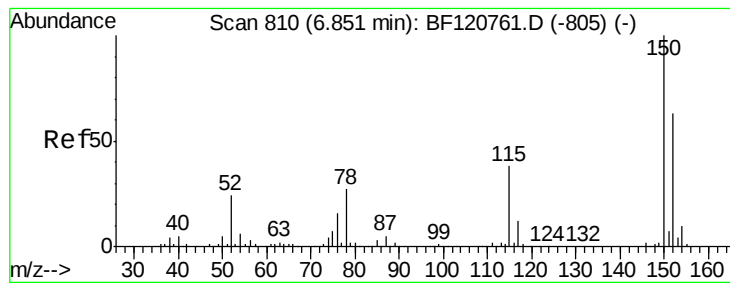
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120803.D

Acq: 8 Jul 2020 00:33

Instrument :

BNA_F

ClientSampleId :

PB130002BL

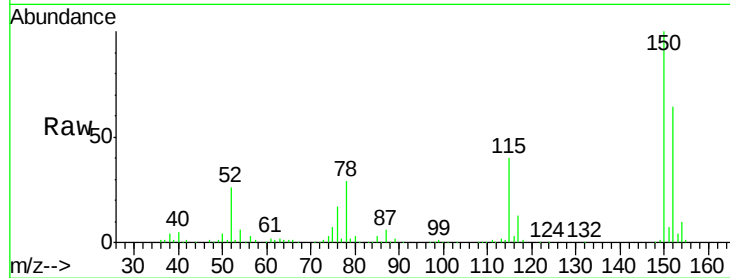
Tot Ion:152 Resp: 151169

Ion Ratio Lower Upper

152 100

150 155.2 126.1 189.1

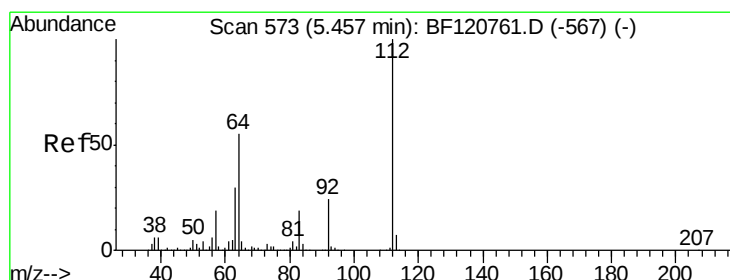
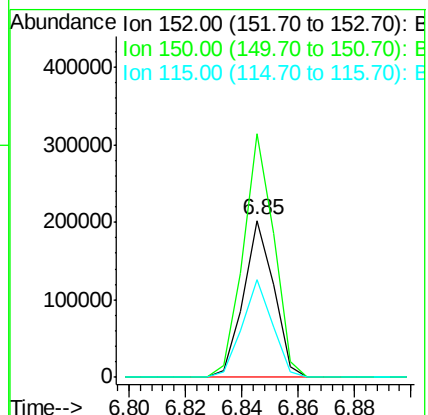
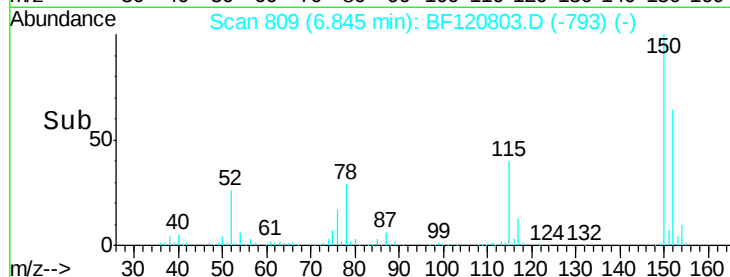
115 62.5 48.5 72.7



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: 125.528 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

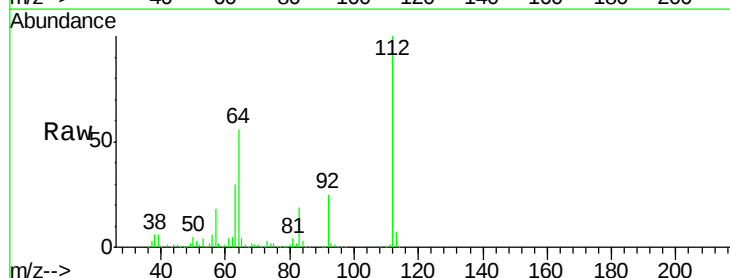
Tgt Ion:112 Resp: 1229293

Ion Ratio Lower Upper

112 100

64 56.0 43.8 65.6

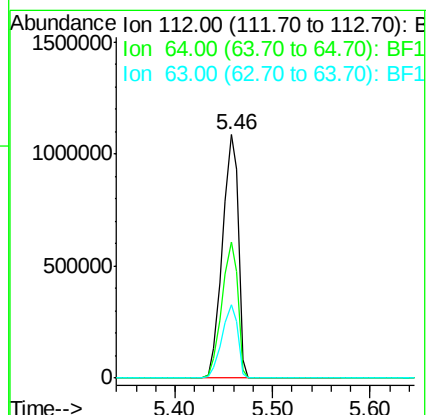
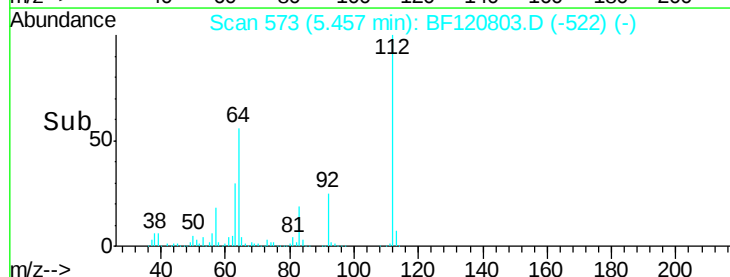
63 30.0 23.6 35.4

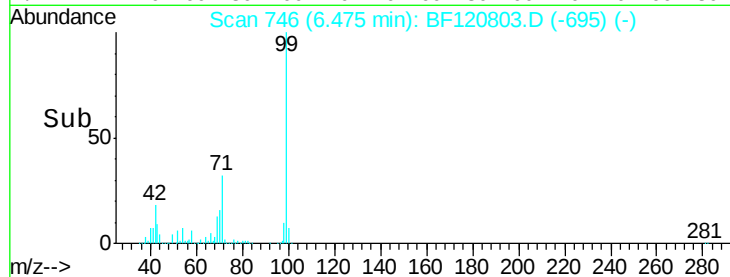
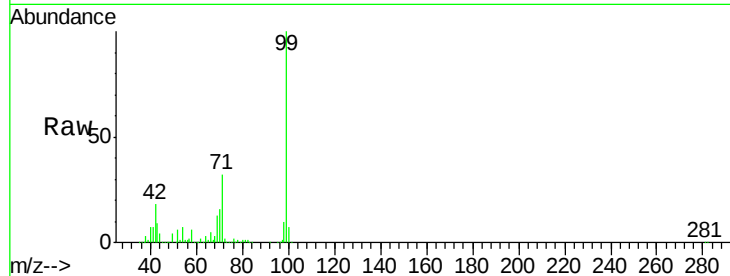
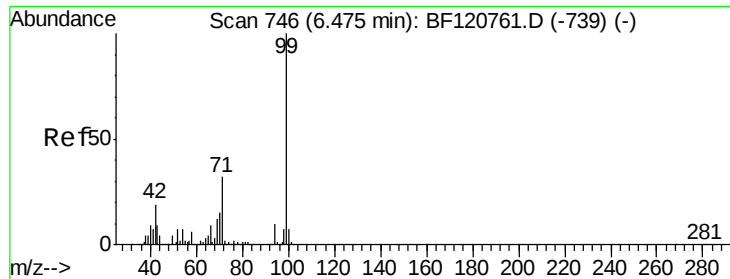


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 119.382 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

Instrument :

BNA_F

ClientSampleId :

PB130002BL

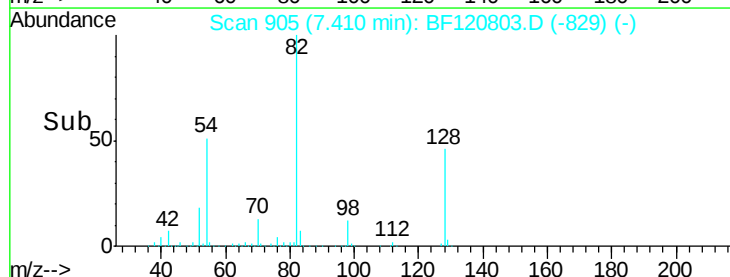
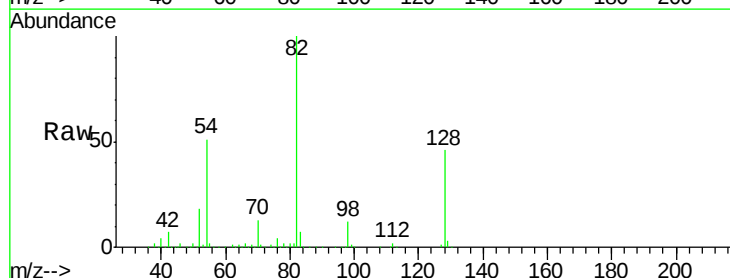
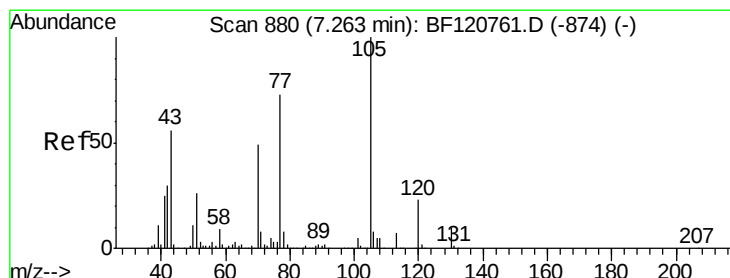
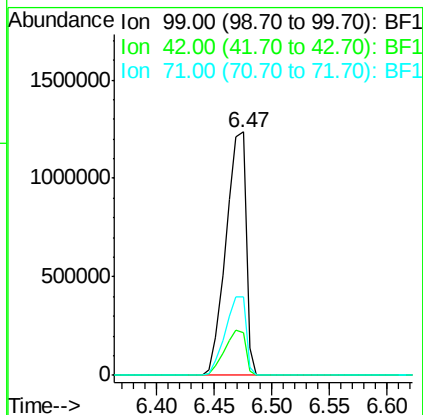
Tot Ion: 99 Resp: 1492998

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

71 32.4 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 16.795 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

Tgt Ion: 70 Resp: 126463

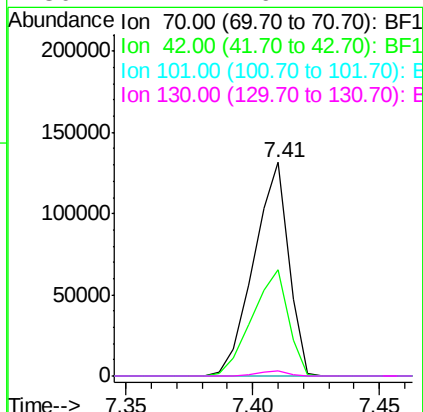
Ion Ratio Lower Upper

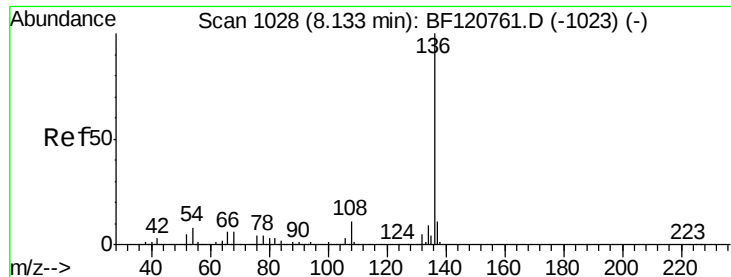
70 100

42 49.7 50.3 75.5#

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

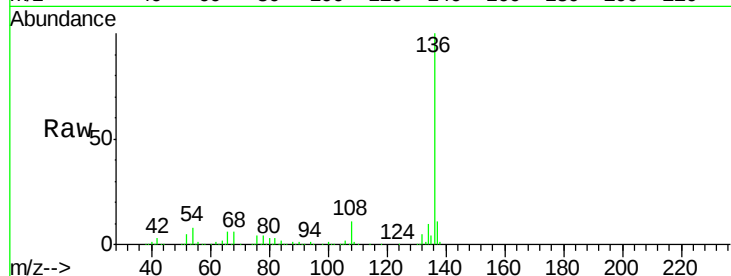




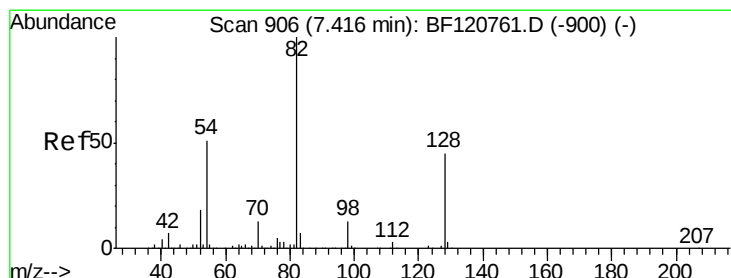
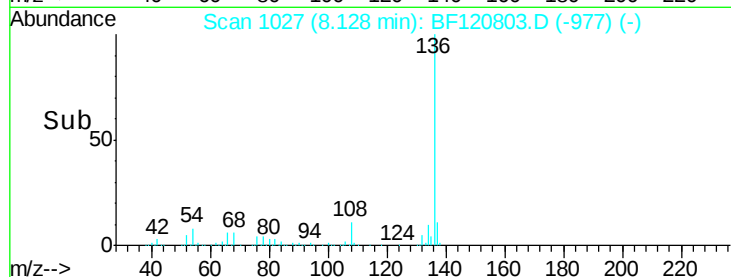
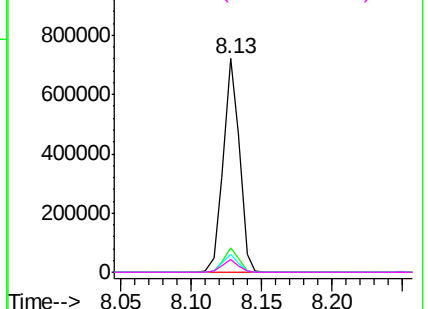
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

Instrument :
BNA_F
ClientSampleId :
PB130002BL

Tot Ion:136	Resp:	573479	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.0	13.6	
54 8.2	6.2	9.4	
68 5.8	4.7	7.1	

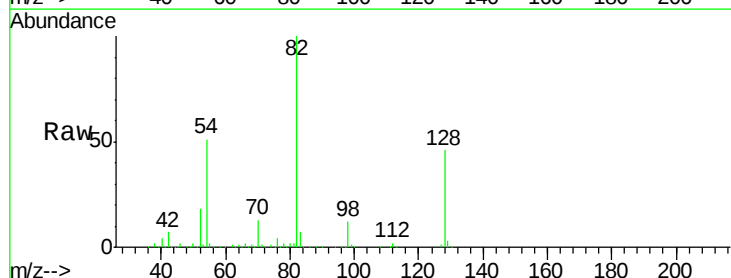


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

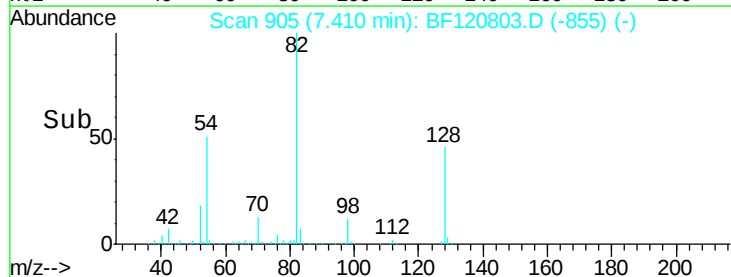
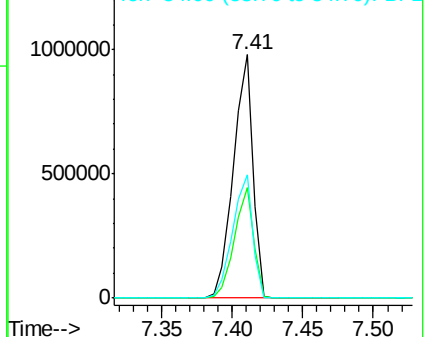


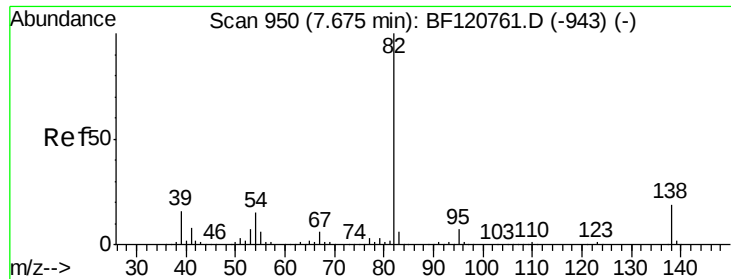
#23
Nitrobenzene-d5
Concen: 95.062 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

Tgt	Ion: 82	Resp:	940946
Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.7	53.5
54	50.8	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: 44.068 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

Instrument :

BNA_F

ClientSampleId :

PB130002BL

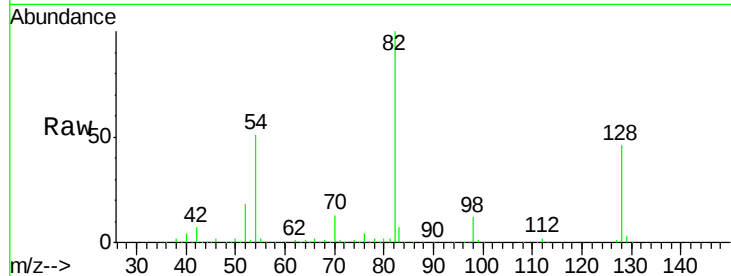
Tot Ion: 82 Resp: 940691

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

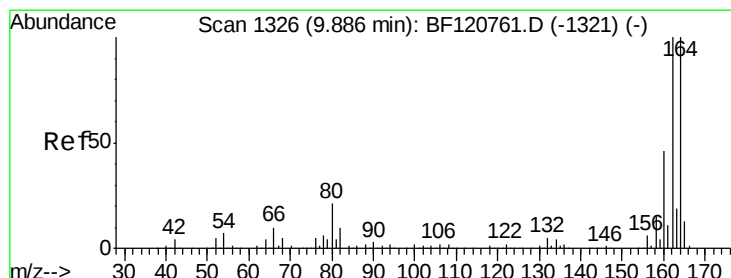
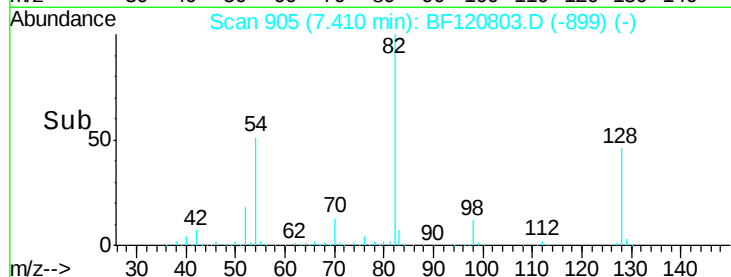
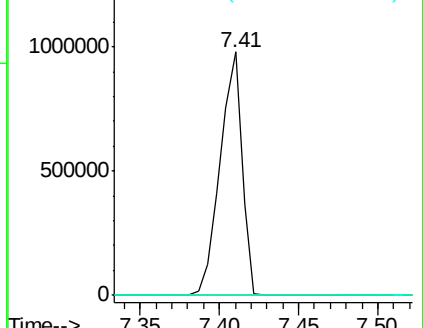
138 0.0 15.0 22.4#



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: BF120803.D

Acq: 8 Jul 2020 00:33

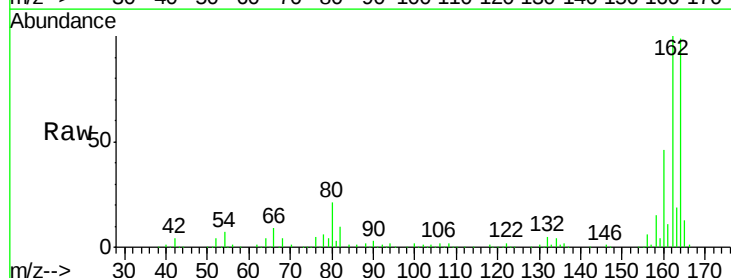
Tgt Ion: 164 Resp: 288064

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

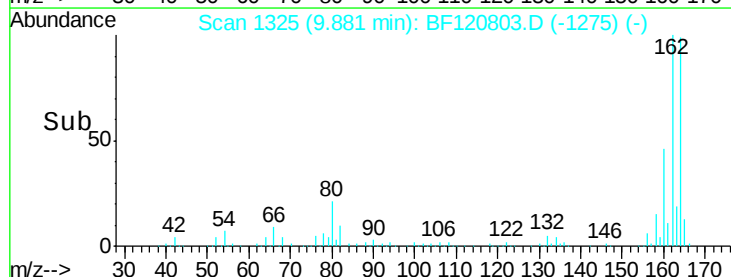
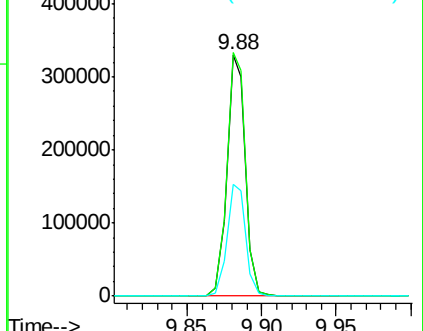
160 46.3 36.9 55.3

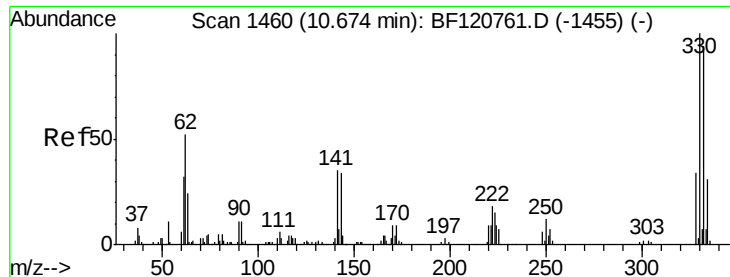


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 103.470 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

Instrument :

BNA_F

ClientSampleId :

PB130002BL

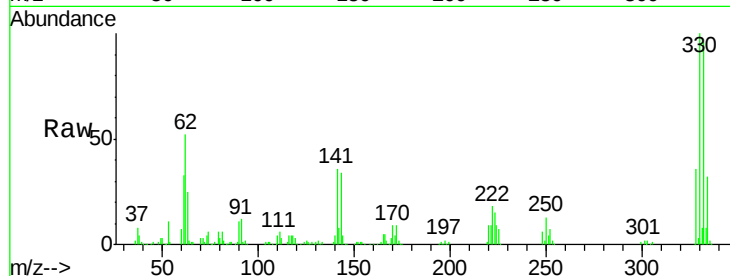
Tot Ion:330 Resp: 299443

Ion Ratio Lower Upper

330 100

332 94.8 75.8 113.6

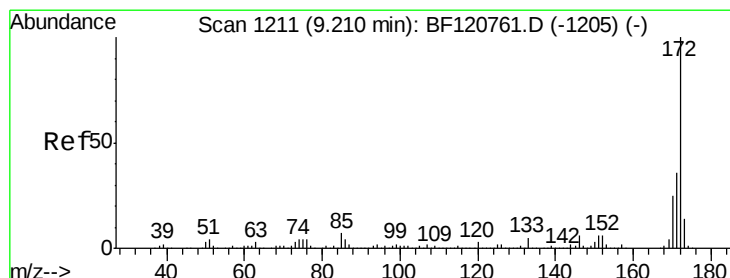
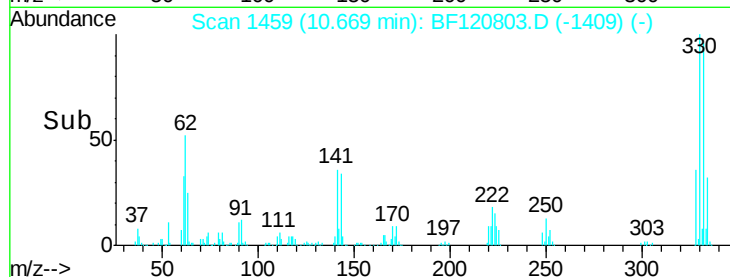
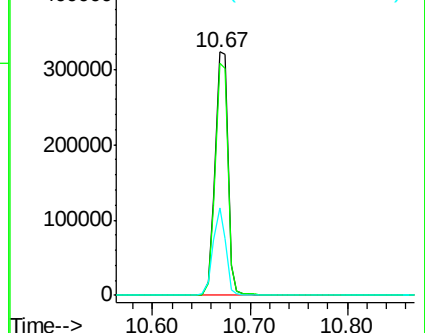
141 35.1 29.7 44.5



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: 82.837 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

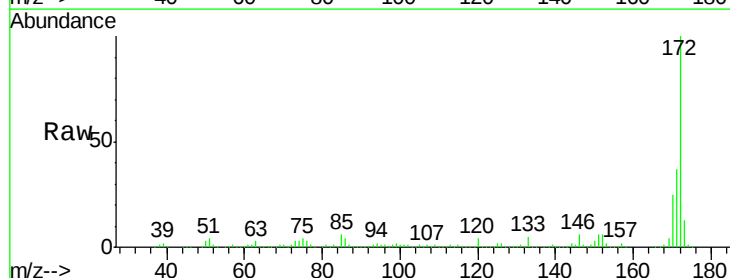
Tgt Ion:172 Resp: 1577209

Ion Ratio Lower Upper

172 100

171 36.6 29.1 43.7

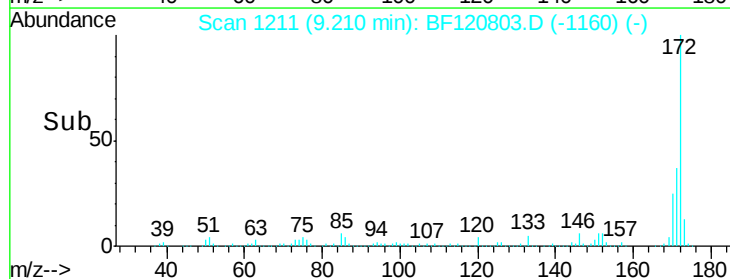
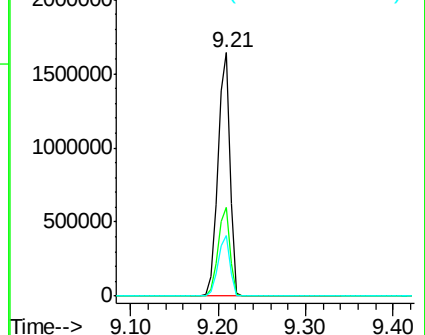
170 25.1 19.8 29.6

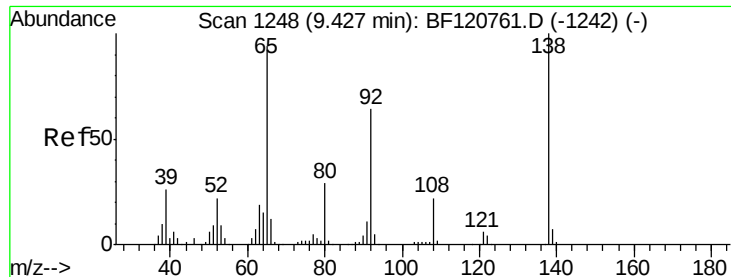


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.084 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.22 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

Instrument :

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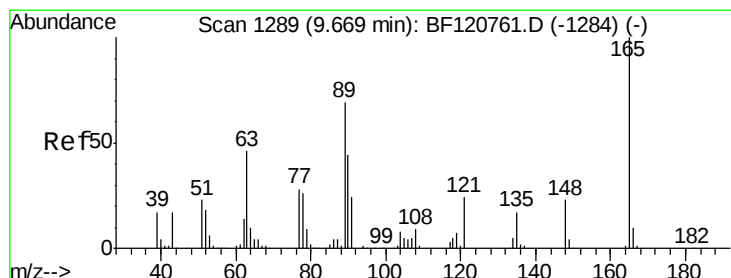
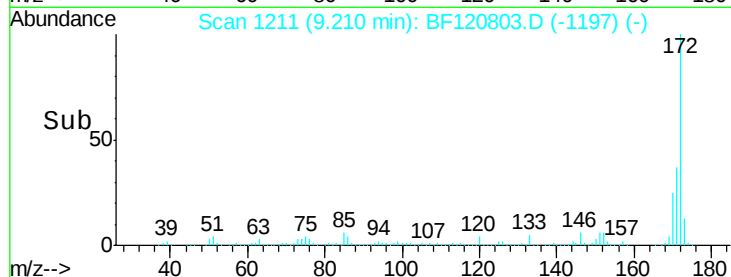
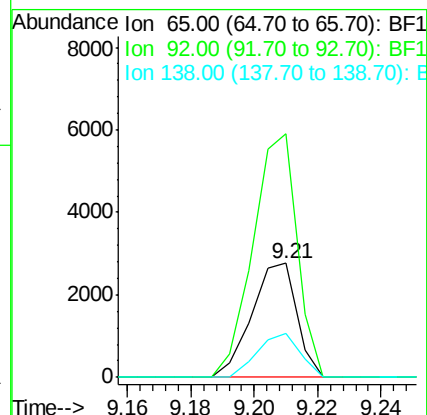
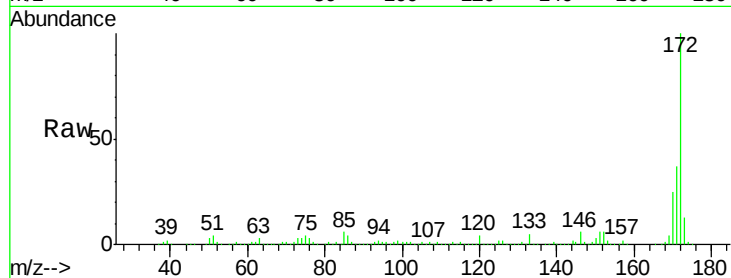
Tot Ion: 65 Resp: 2738

Ion Ratio Lower Upper

65 100

92 213.6 54.4 81.6#

138 38.2 84.7 127.1#



#51

2,6-Dinitrotoluene

Concen: 10.655 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF120803.D

Acq: 8 Jul 2020 00:33

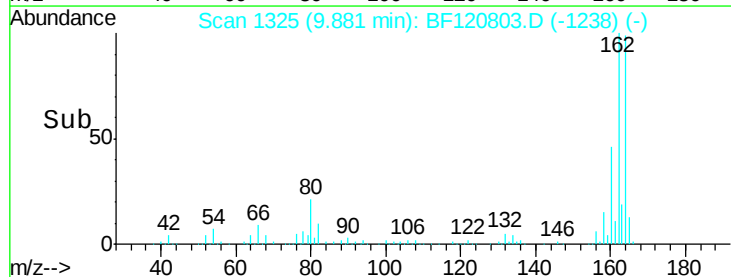
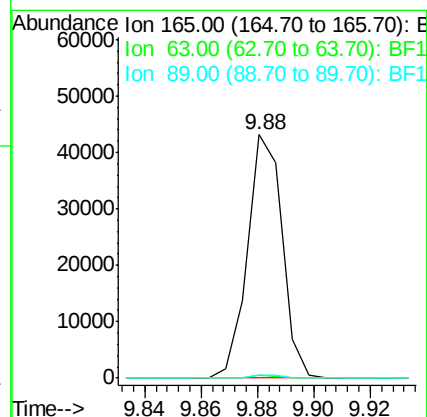
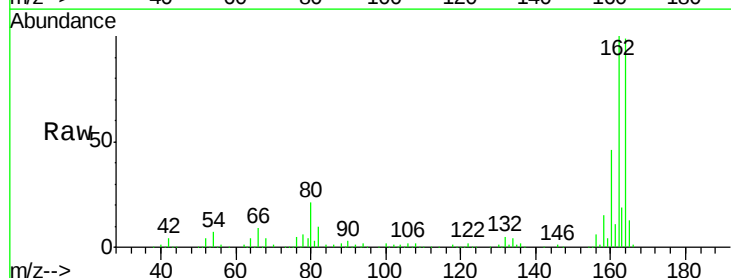
Tgt Ion:165 Resp: 36729

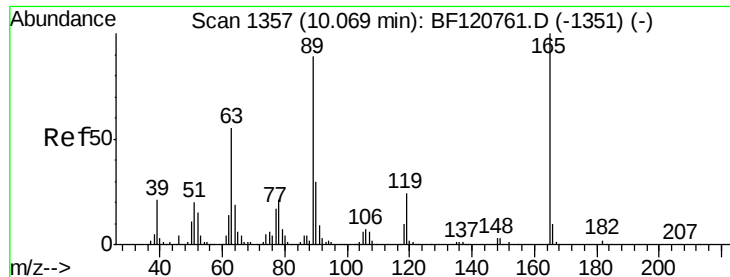
Ion Ratio Lower Upper

165 100

63 1.1 54.0 81.0#

89 1.3 55.4 83.2#

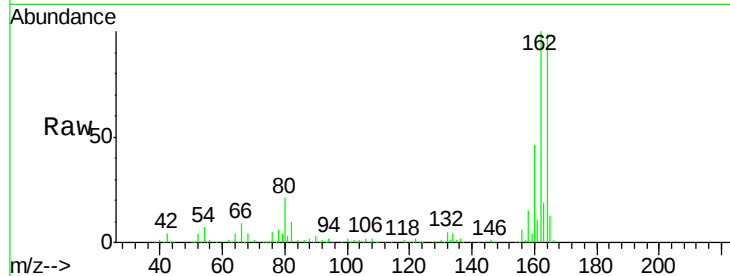




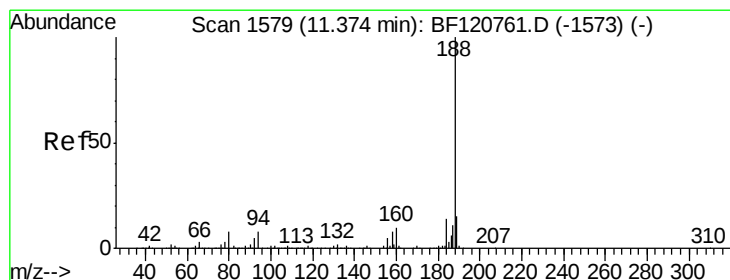
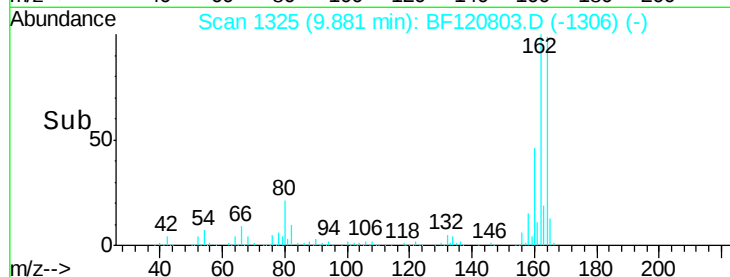
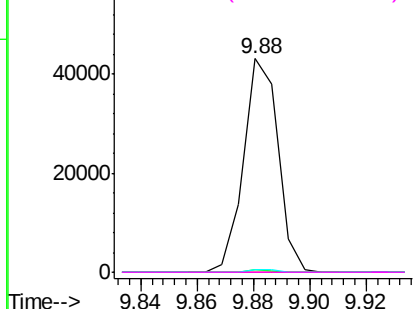
#57
2,4-Dinitrotoluene
Concen: 9.683 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

Instrument :
BNA_F
ClientSampleId :
PB130002BL

Tot Ion:165 Resp: 36729
Ion Ratio Lower Upper
165 100
63 1.1 43.8 65.8#
89 1.3 71.4 107.2#
182 0.0 1.8 2.6#

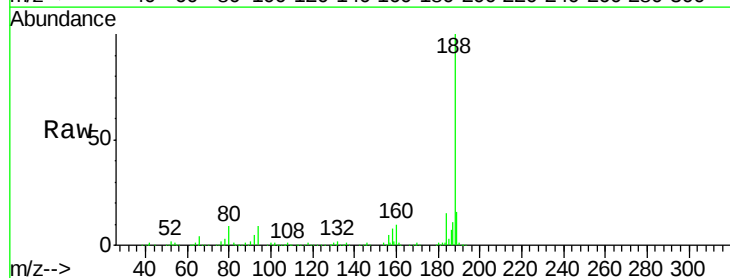


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

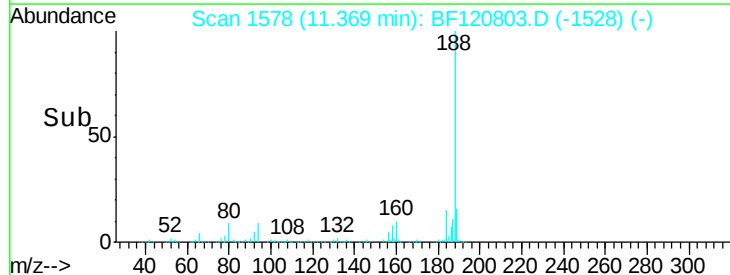
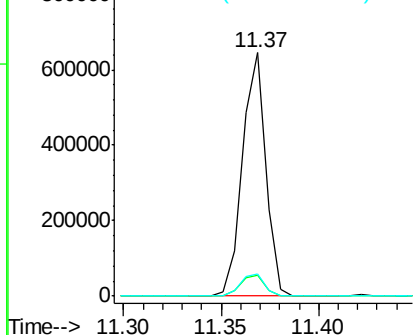


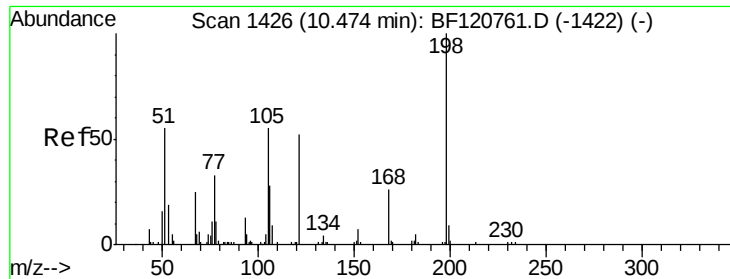
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

Tgt Ion:188 Resp: 534831
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 9.3 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

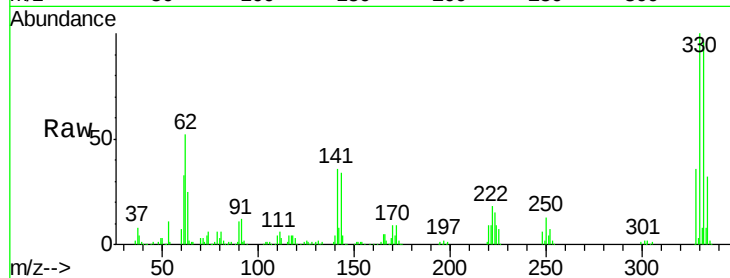




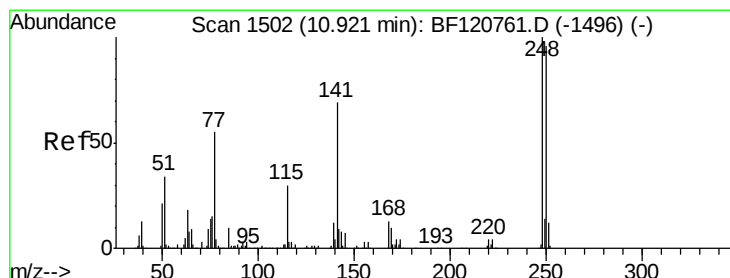
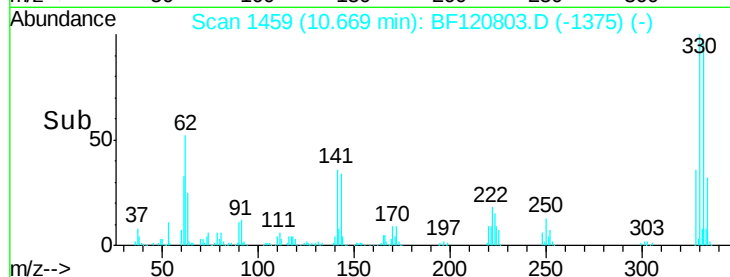
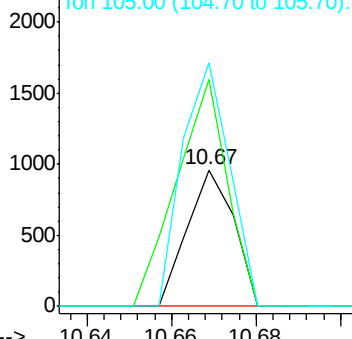
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.287 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF120803.D
 Acq: 8 Jul 2020 00:33

Instrument :
 BNA_F
 ClientSampleId :
 PB130002BL

Tot Ion:198 Resp: 735
 Ion Ratio Lower Upper
 198 100
 51 166.8 50.0 90.0#
 105 178.6 38.3 78.3#

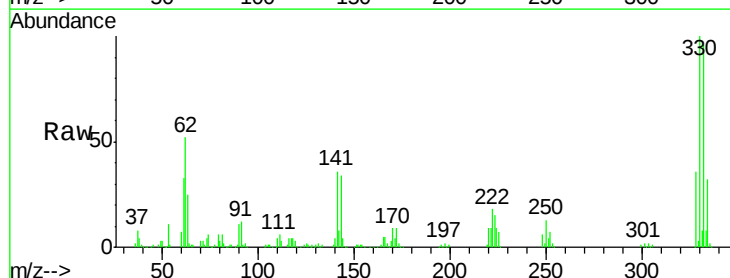


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

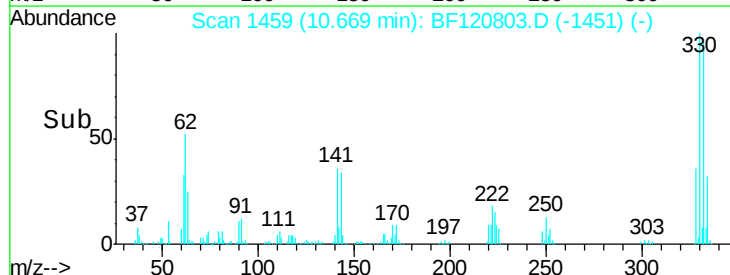
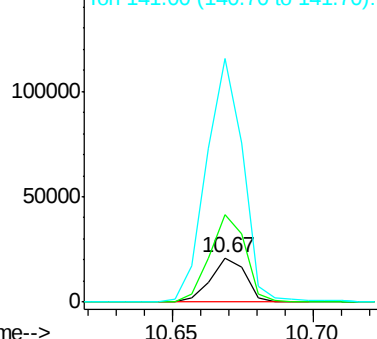


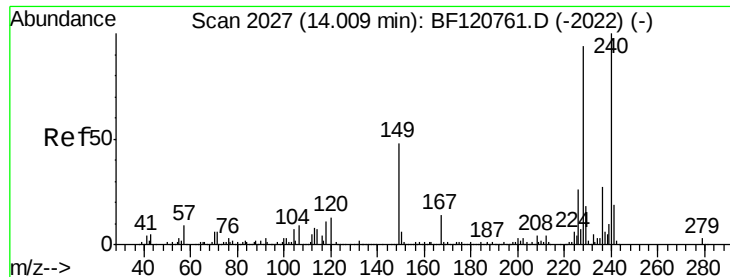
#67
 4-Bromophenyl-phenylether
 Concen: 2.894 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120803.D
 Acq: 8 Jul 2020 00:33

Tgt Ion:248 Resp: 17954
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.5 114.7#
 141 550.9 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

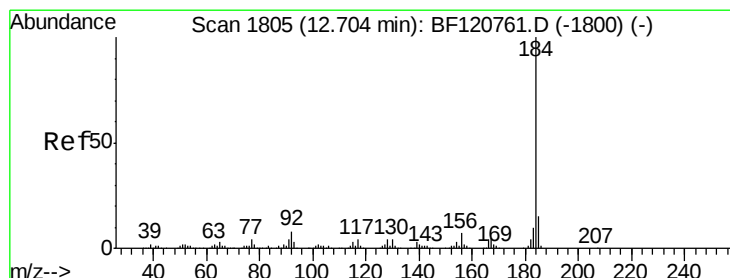
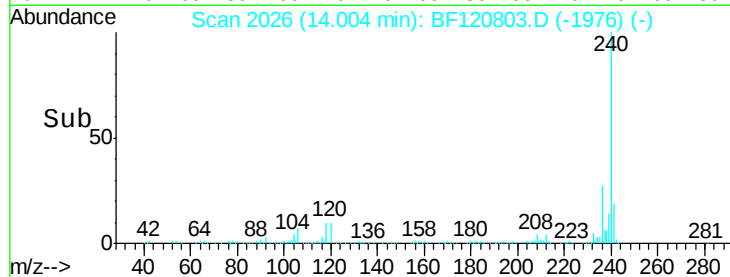
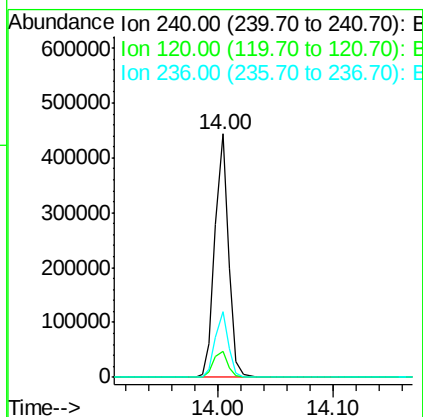
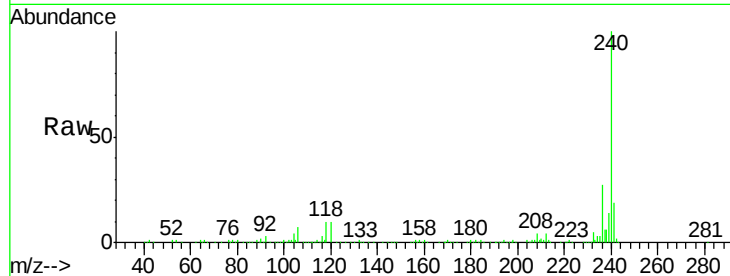




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

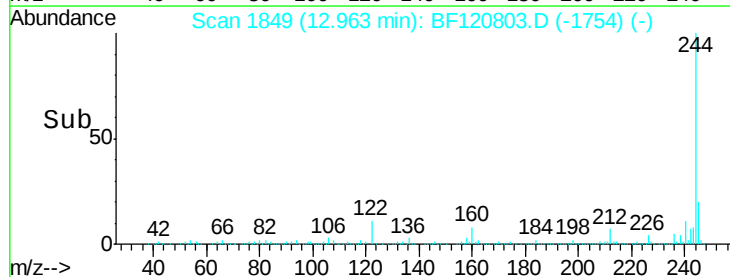
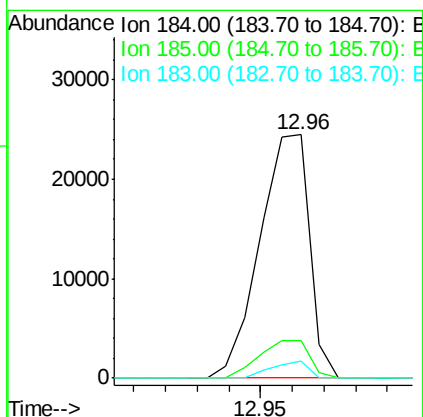
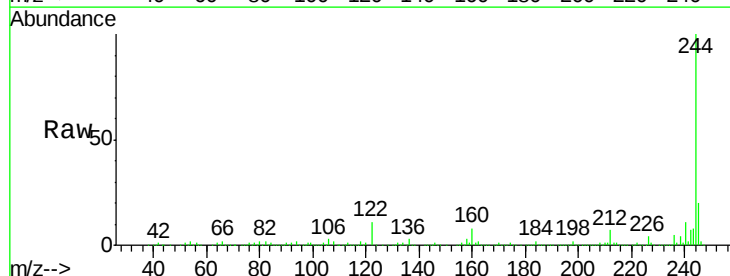
Instrument :
BNA_F
ClientSampleId :
PB130002BL

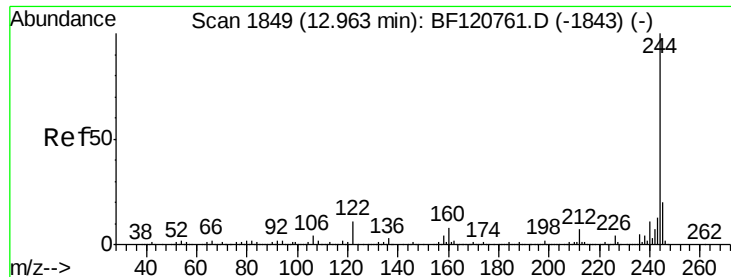
Tot Ion:240 Resp: 365111
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 26.8 21.4 32.2



#77
Benzidine
Concen: 2.585 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120803.D
Acq: 8 Jul 2020 00:33

Tgt Ion:184 Resp: 26645
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 7.1 8.3 12.5#

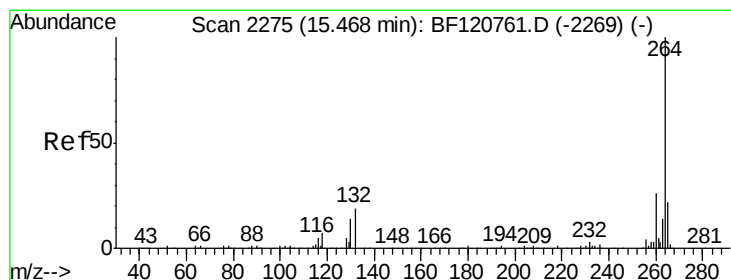
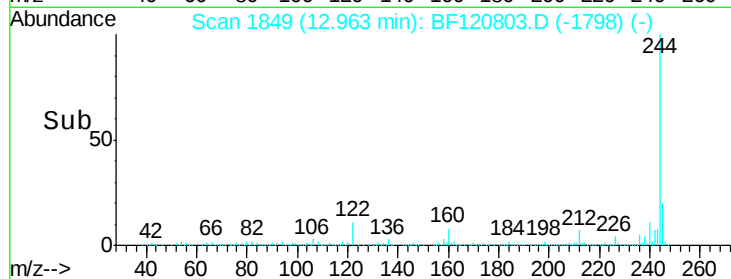
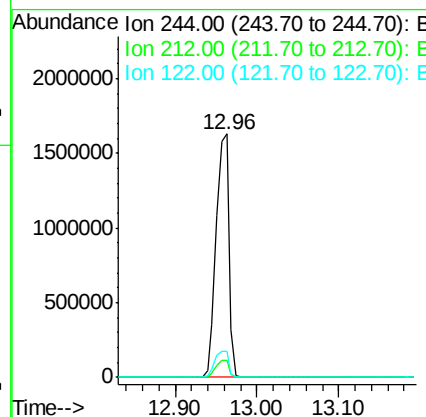
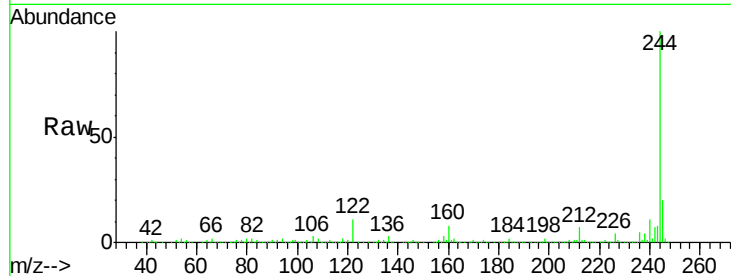




#79
 Terphenyl-d14
 Concen: 95.834 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF120803.D
 Acq: 8 Jul 2020 00:33

Instrument :
 BNA_F
 ClientSampleId :
 PB130002BL

Tot Ion:244 Resp: 1787134
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.7 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: BF120803.D
 Acq: 8 Jul 2020 00:33

Tgt Ion:264 Resp: 281852
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.6 30.8
 265 21.5 17.6 26.4

