

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121453.D
 Acq On : 28 Aug 2020 11:11
 Operator : JU/CG
 Sample : PB131187BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131187BL

Quant Time: Aug 28 12:18:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	301733	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1158302	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	606725	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1203106	20.00	ng	0.00
76) Chrysene-d12	14.02	240	1019125	20.00	ng	-0.01
86) Perylene-d12	15.49	264	979312	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	2105478	117.07	ng	0.01
7) Phenol-d6	6.48	99	2757132	109.70	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1726886	101.92	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	806485	131.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3167372	84.23	ng	0.00
79) Terphenyl-d14	12.97	244	3468356	71.64	ng	0.00

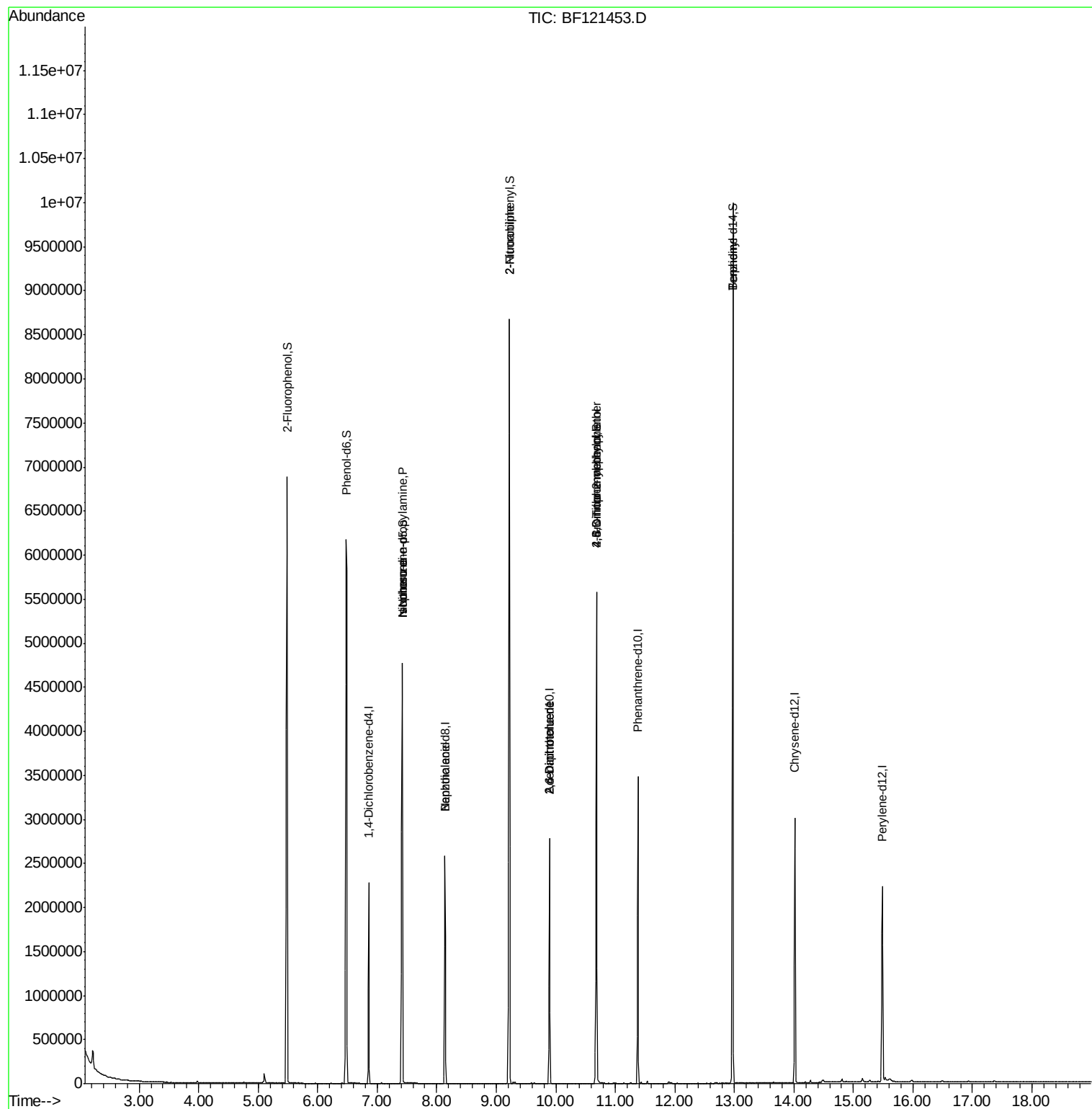
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	3948	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.42	70	231903	16.511	ng	# 79
25) Isophorone	7.42	82	1724726	45.259	ng	# 64
32) Benzoic acid	8.14	122	106	6.673	ng	# 1
48) 2-Nitroaniline	9.22	65	5611	7.105	ng	# 1
51) 2,6-Dinitrotoluene	9.90	165	78626	15.139	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	78626	14.213	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	1964	6.374	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	48497	3.664	ng	# 1
77) Benzidine	12.97	184	50279	2.262	ng	# 93

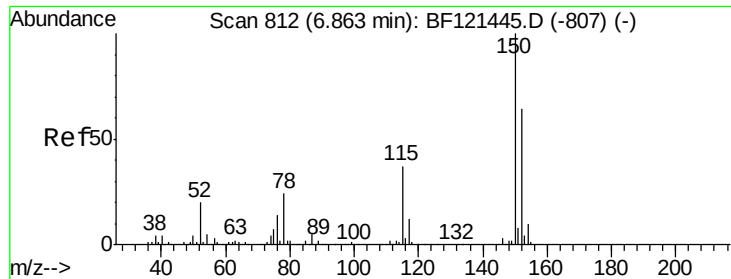
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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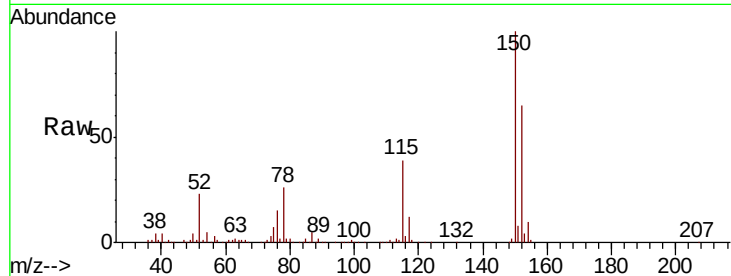


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121453.D
Acq: 28 Aug 2020 11:11

Instrument :
BNA_F
ClientSampleId :
PB131187BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.8	188.6
115	59.6	46.6	69.8

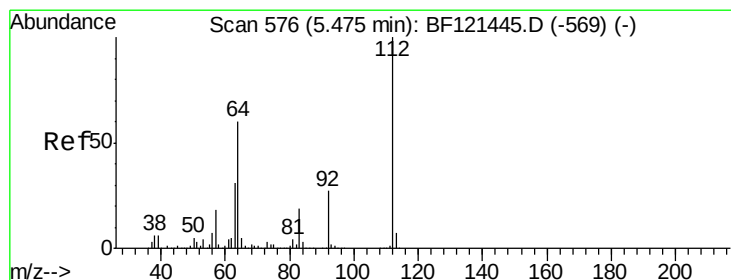
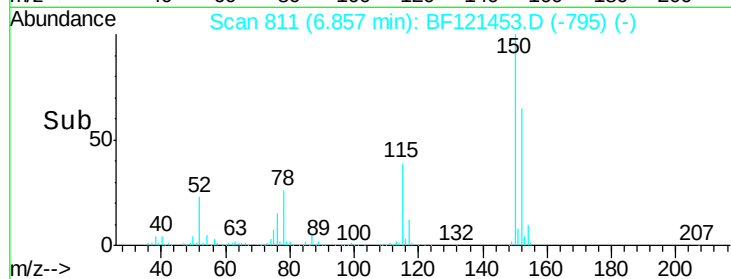
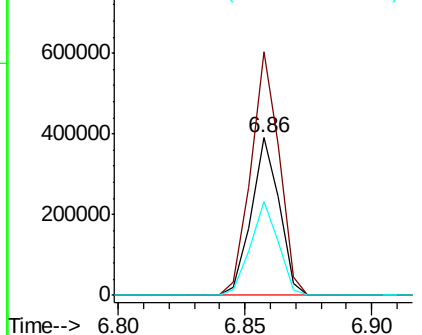


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

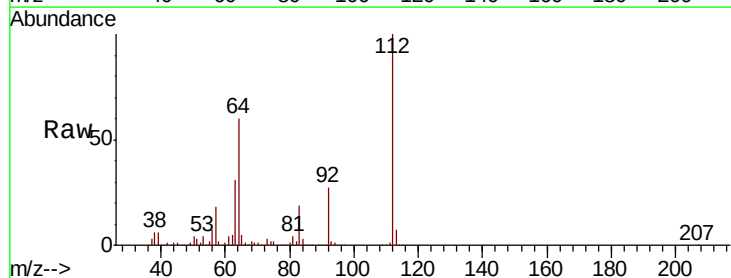
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.072 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF121453.D
Acq: 28 Aug 2020 11:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.2	72.2
63	30.8	24.8	37.2

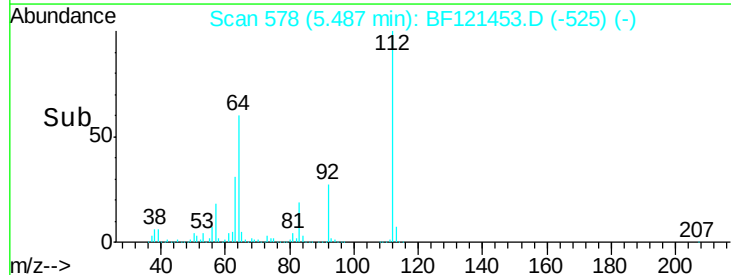
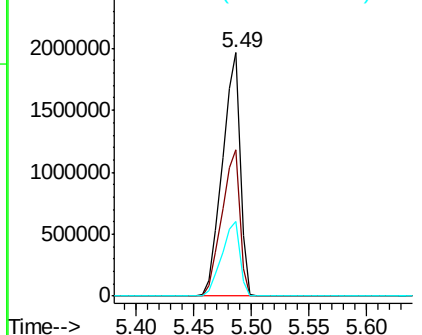


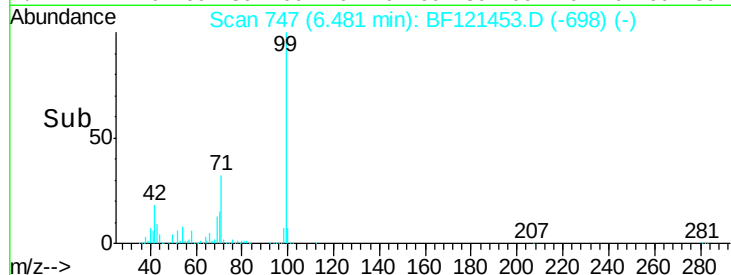
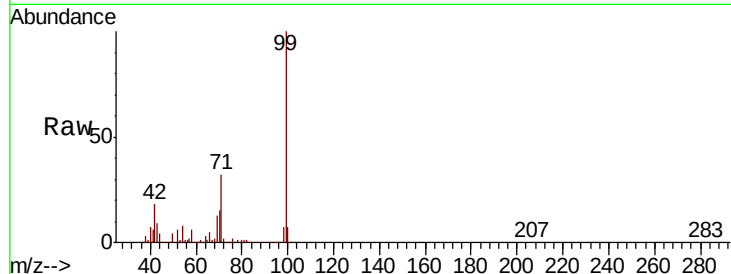
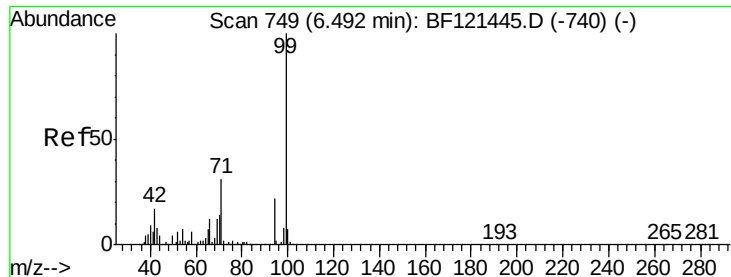
Abundance

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: 109.703 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA_F

ClientSampleId :

PB131187BL

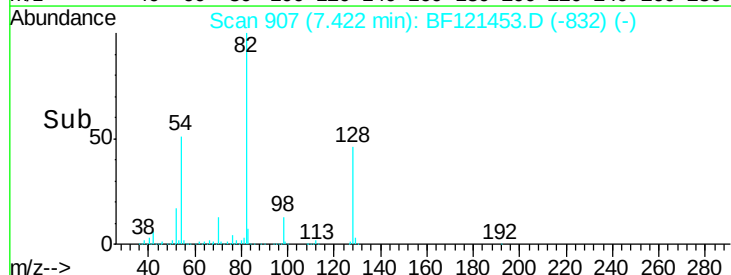
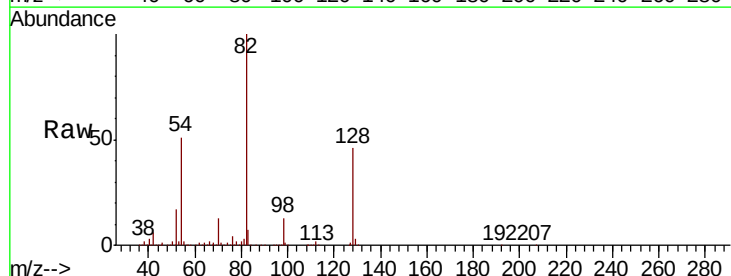
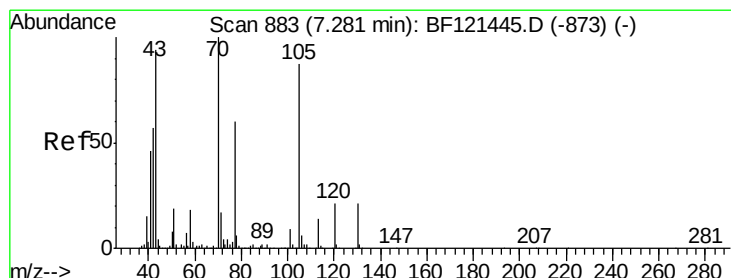
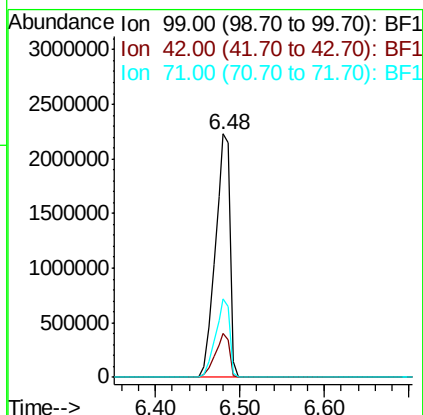
Tot Ion: 99 Resp: 2757132

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

71 32.3 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.511 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Tgt Ion: 70 Resp: 231903

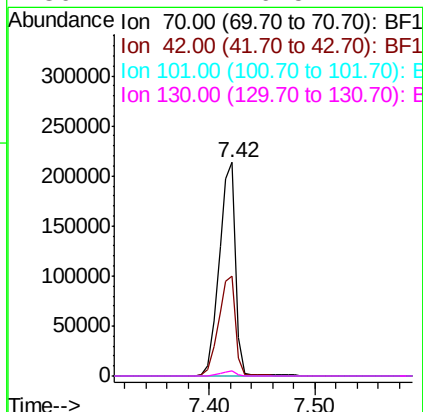
Ion Ratio Lower Upper

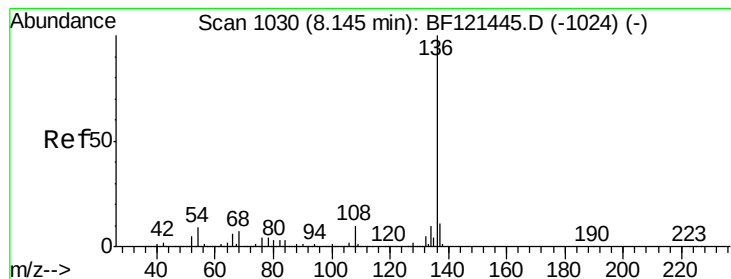
70 100

42 46.7 45.8 68.6

101 0.0 7.5 11.3#

130 2.2 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA_F

ClientSampleId :

PB131187BL

Tot Ion:136 Resp: 1158302

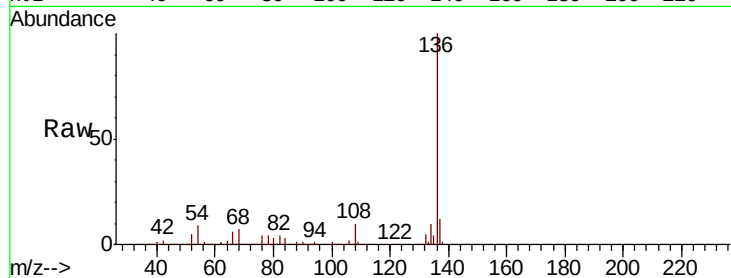
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 8.9 7.0 10.4

68 6.8 5.5 8.3

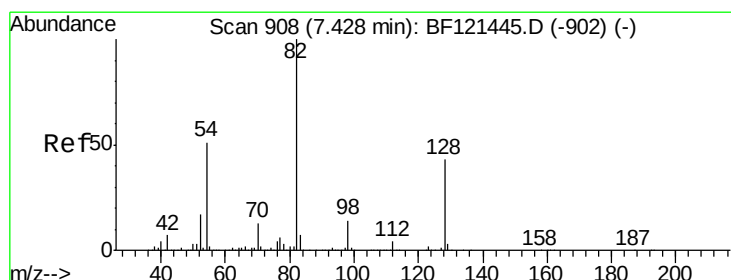
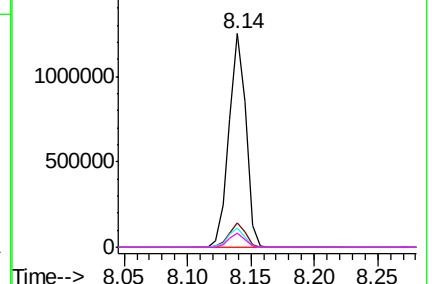
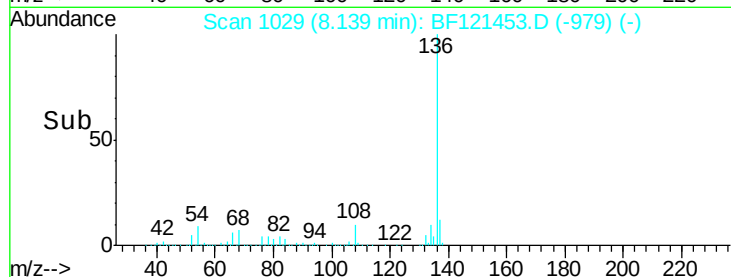


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.925 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

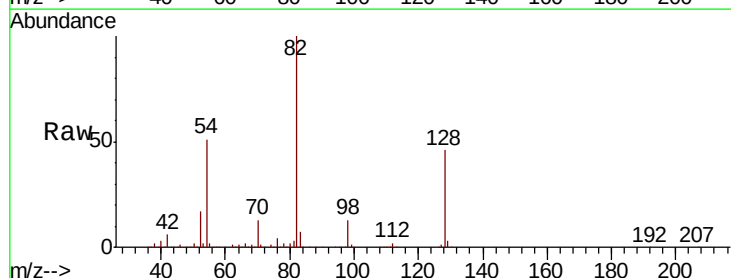
Tgt Ion: 82 Resp: 1726886

Ion Ratio Lower Upper

82 100

128 46.4 34.1 51.1

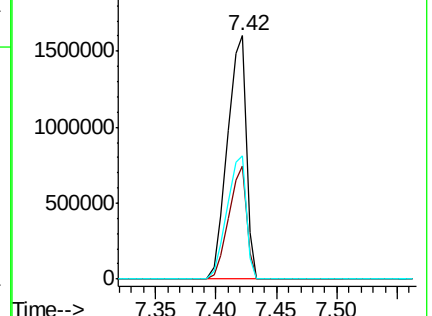
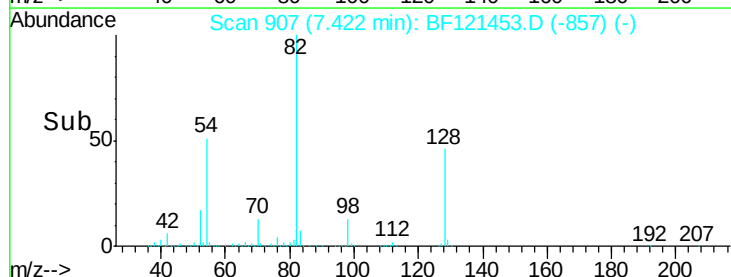
54 50.8 41.0 61.6

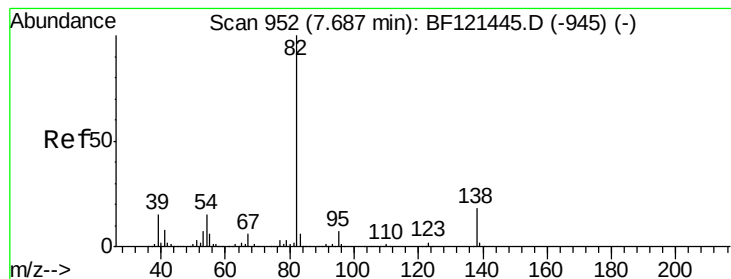


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.259 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

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ClientSampleId :

PB131187BL

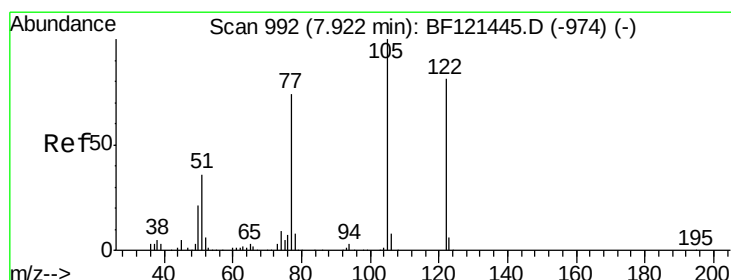
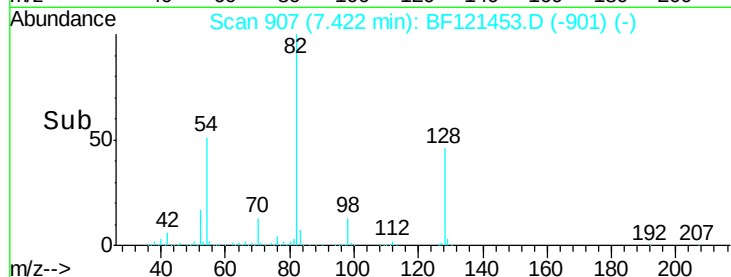
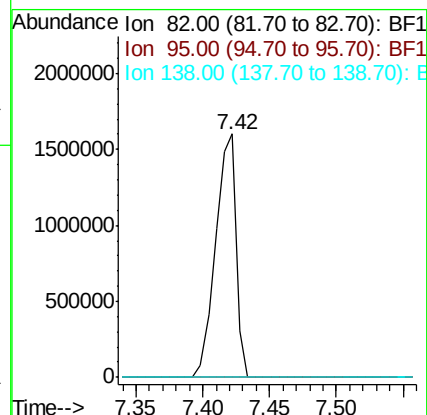
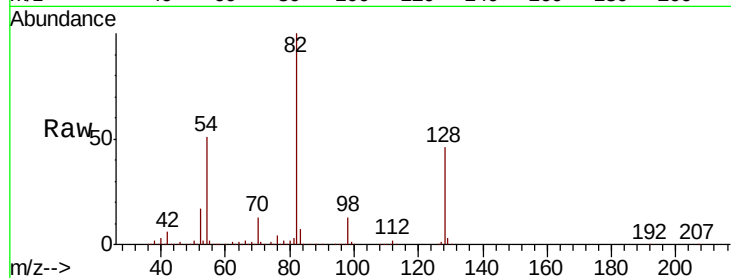
Tot Ion: 82 Resp: 1724726

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 6.673 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.22 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

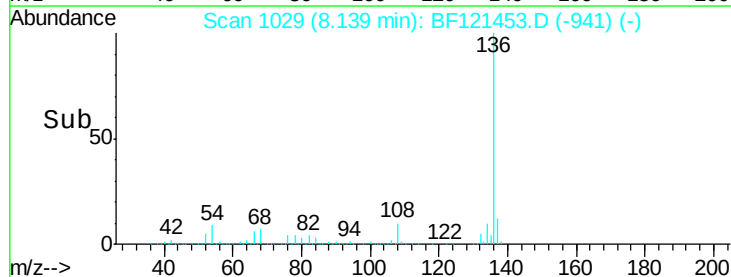
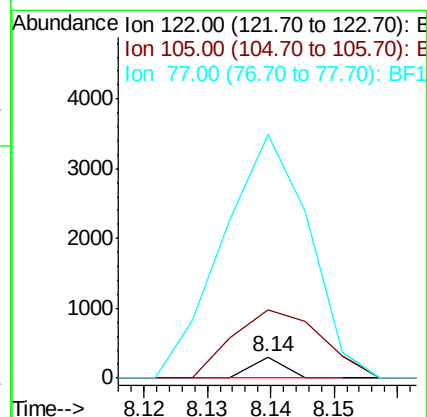
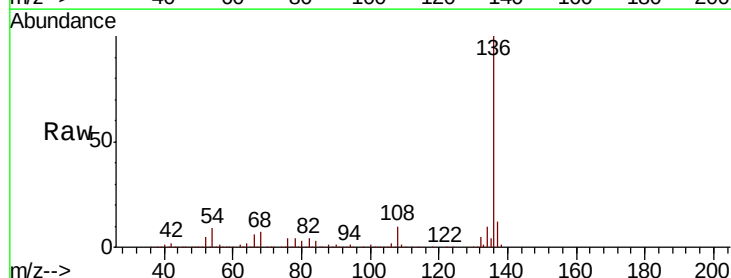
Tgt Ion: 122 Resp: 106

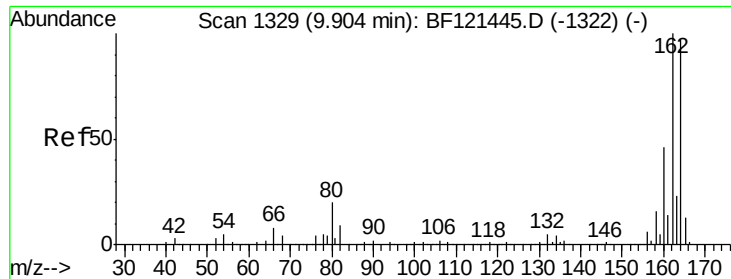
Ion Ratio Lower Upper

122 100

105 323.6 100.8 140.8#

77 1159.1 71.5 111.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA_F

ClientSampleId :

PB131187BL

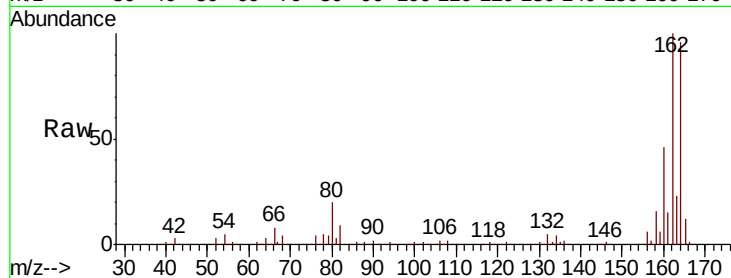
Tot Ion:164 Resp: 606725

Ion Ratio Lower Upper

164 100

162 104.2 82.4 123.6

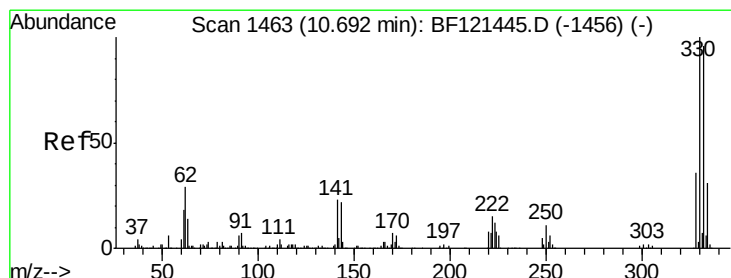
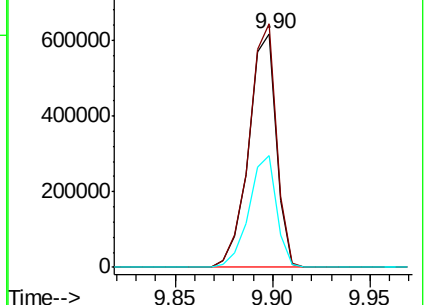
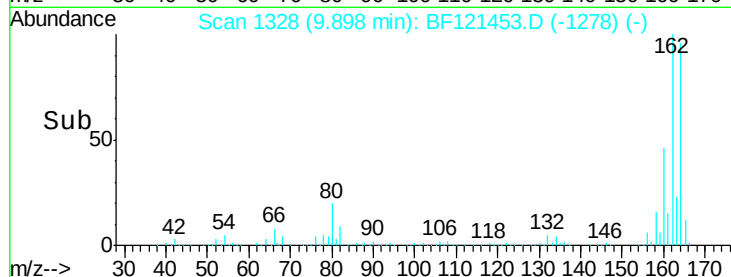
160 47.9 37.6 56.4



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: 131.601 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

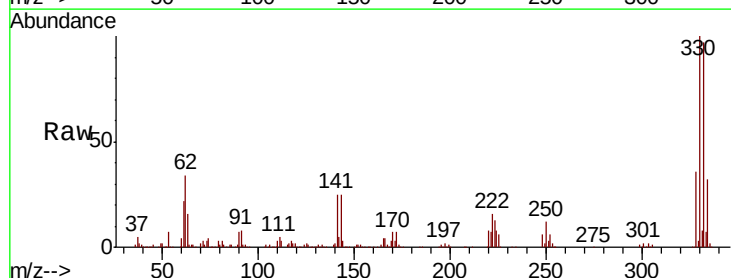
Tgt Ion:330 Resp: 806485

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.2

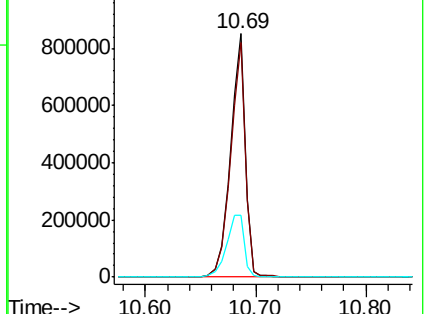
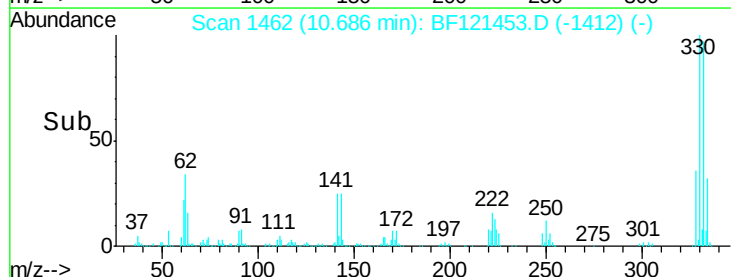
141 30.3 24.6 36.8

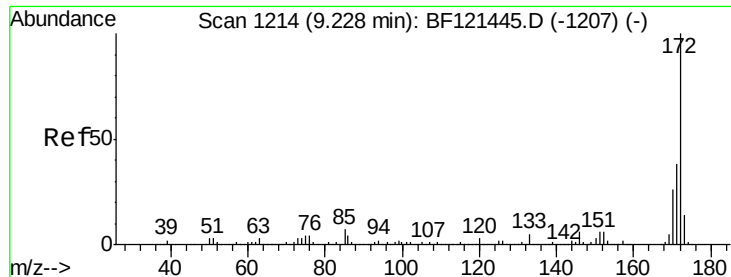


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



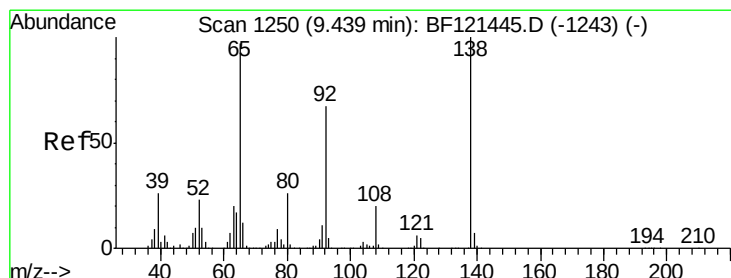
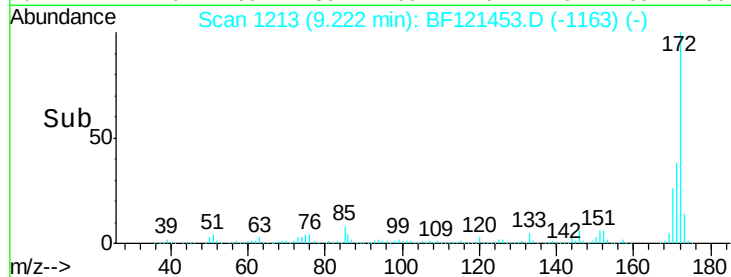
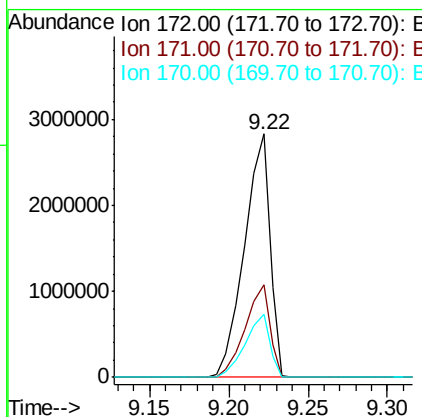
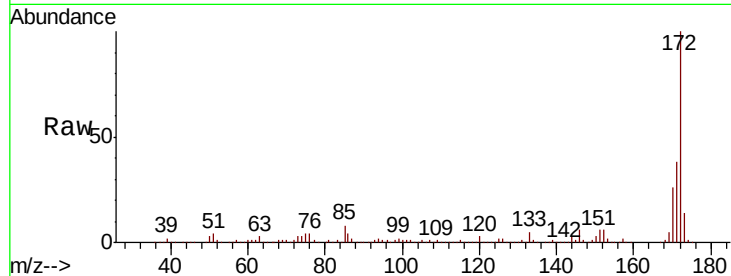


#45
 2-Fluorobiphenyl
 Concen: 84.233 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 PB131187BL

Tot Ion:172 Resp: 3167372

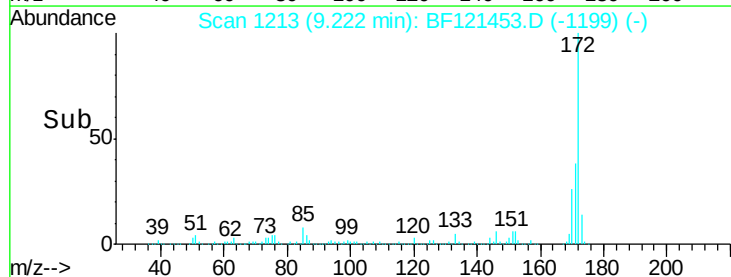
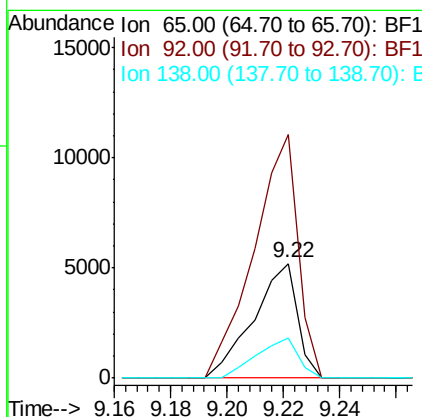
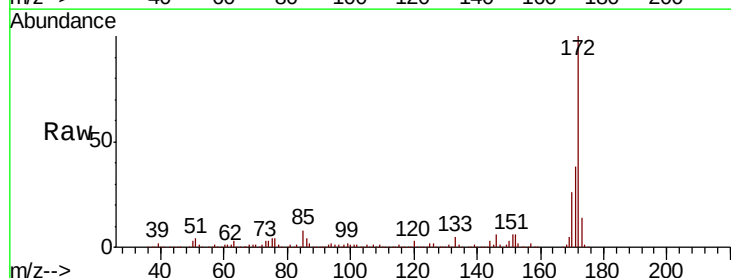
Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	45.8
170	26.1	20.6	31.0

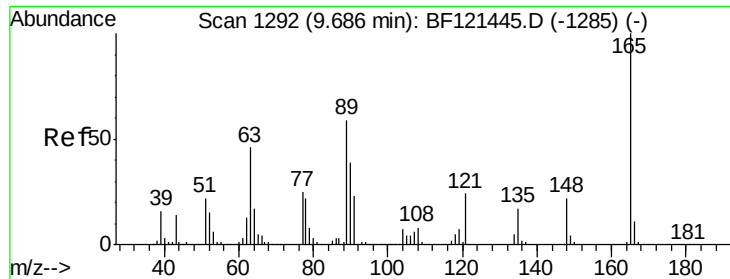


#48
 2-Nitroaniline
 Concen: 7.105 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.22 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Tgt Ion: 65 Resp: 5611

Ion	Ratio	Lower	Upper
65	100		
92	213.0	55.6	83.4#
138	35.4	82.9	124.3#

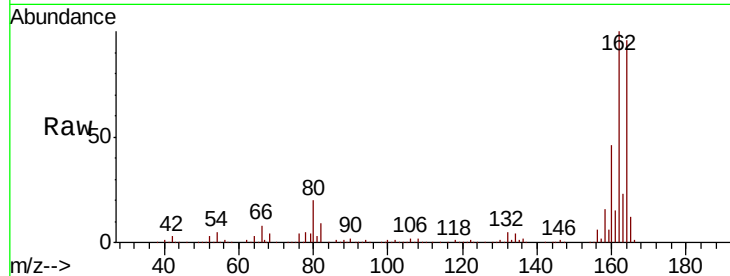




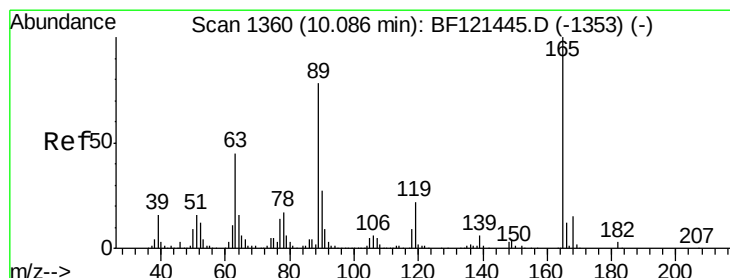
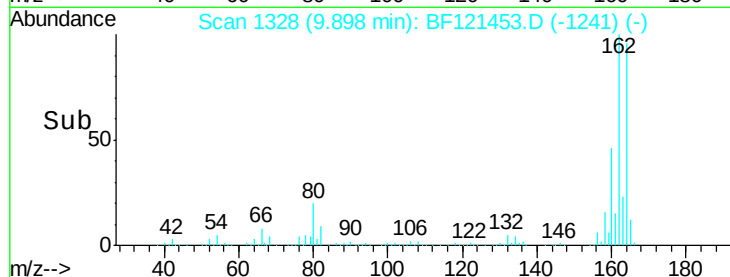
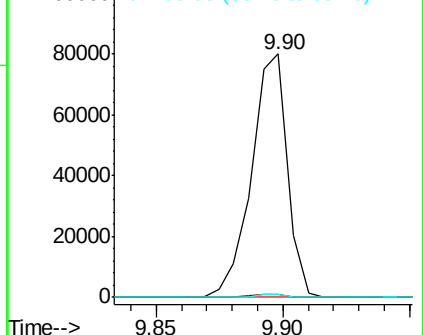
#51
 2,6-Dinitrotoluene
 Concen: 15.139 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 PB131187BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.6	65.4#
89	1.3	47.4	71.2#



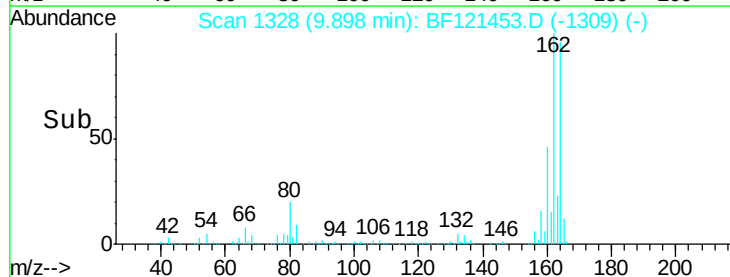
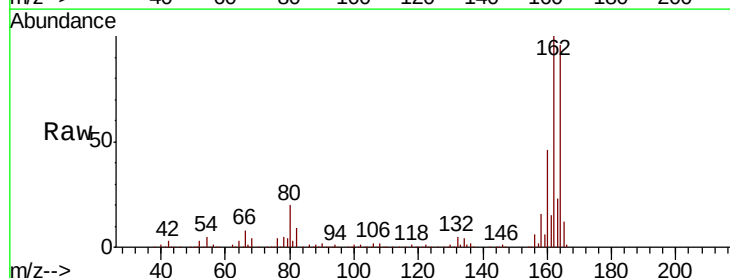
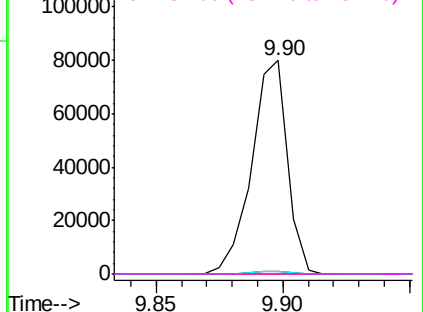
Abundance Ion 165.00 (164.70 to 165.70): E

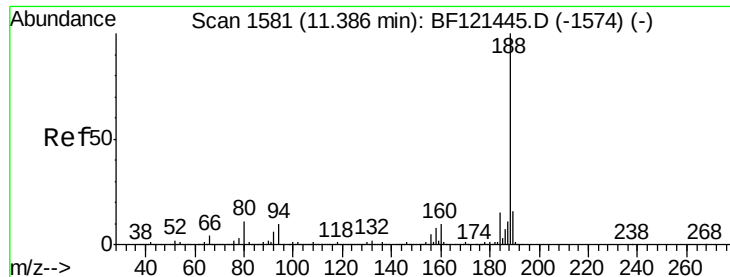


#57
 2,4-Dinitrotoluene
 Concen: 14.213 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.0	54.0#
89	1.3	62.6	93.8#
182	0.0	2.2	3.2#

Abundance Ion 165.00 (164.70 to 165.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA_F

ClientSampleId :

PB131187BL

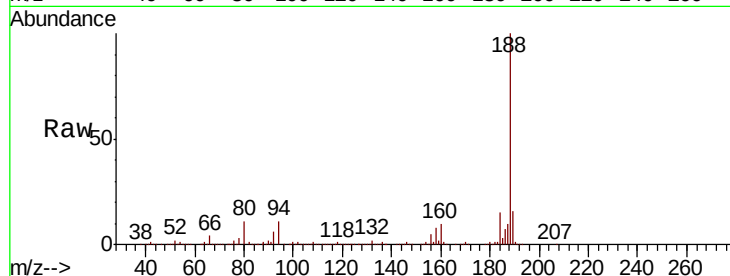
Tot Ion:188 Resp: 1203106

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.2	8.6	13.0

188 100

94 10.9 8.3 12.5

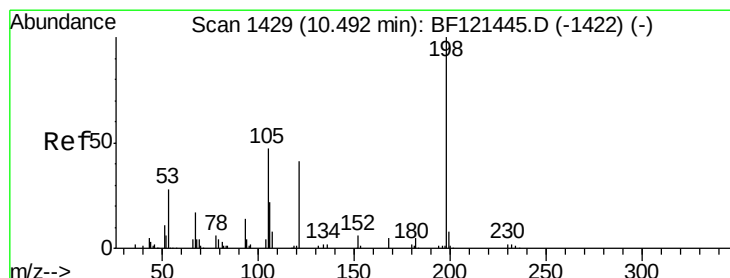
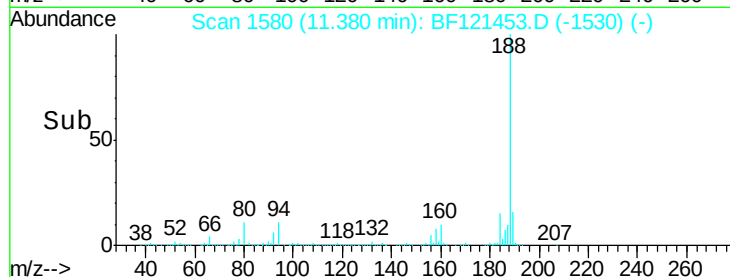
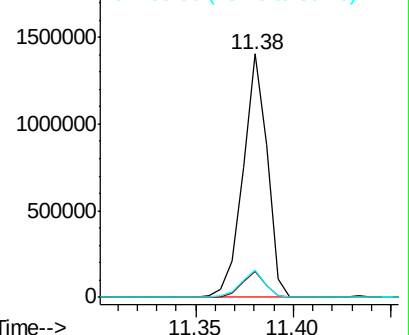
80 11.2 8.6 13.0



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: 6.374 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.19 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

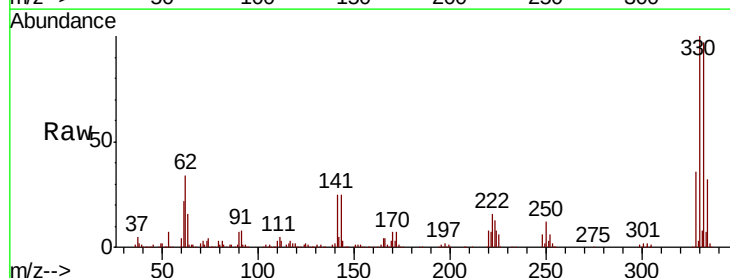
Tgt Ion:198 Resp: 1964

Ion	Ratio	Lower	Upper
198	100		
51	126.9	29.0	69.0#
105	161.9	29.1	69.1#

198 100

51 126.9 29.0 69.0#

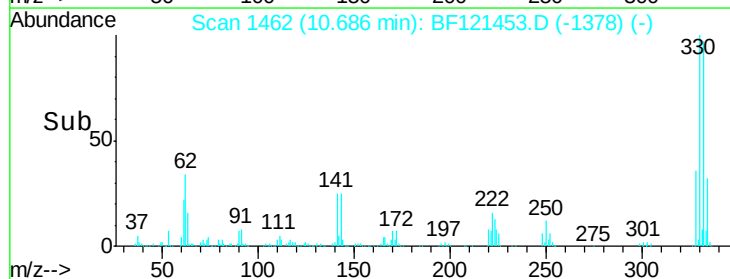
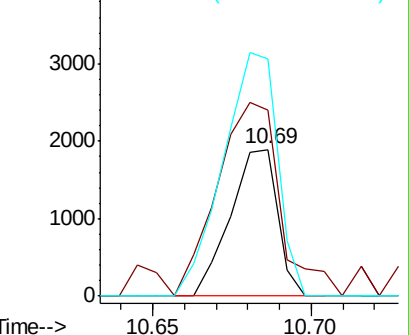
105 161.9 29.1 69.1#

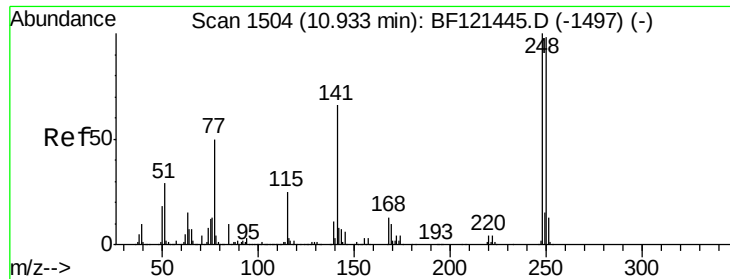


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

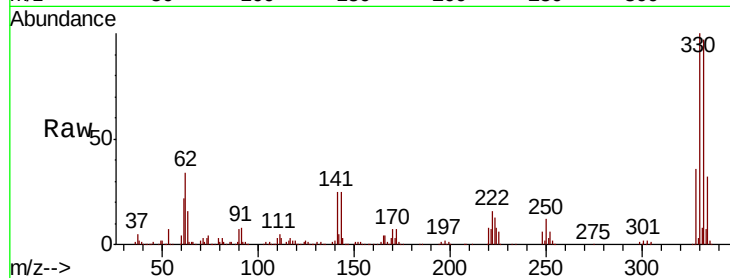




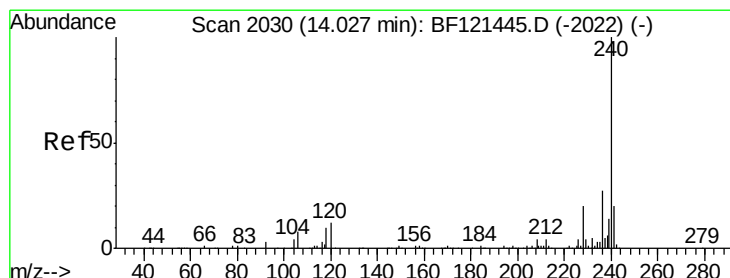
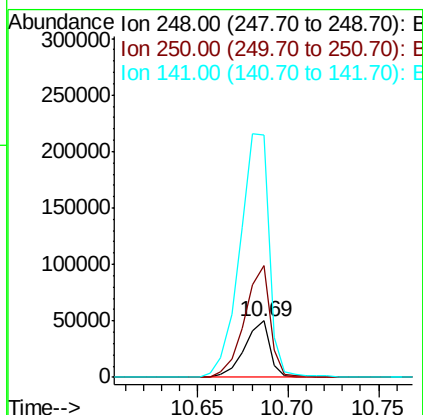
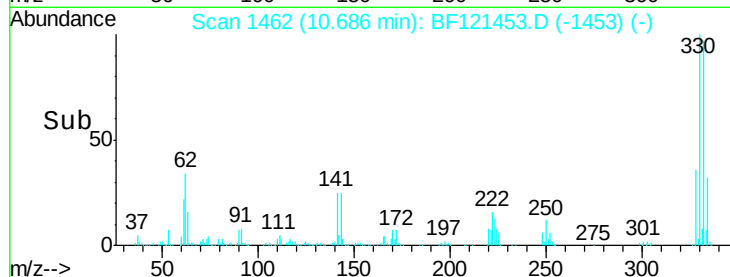
#67
 4-Bromophenyl-phenylether
 Concen: 3.664 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 PB131187BL

Tot Ion:248 Resp: 48497
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.7 118.1#
 141 430.1 52.6 78.8#

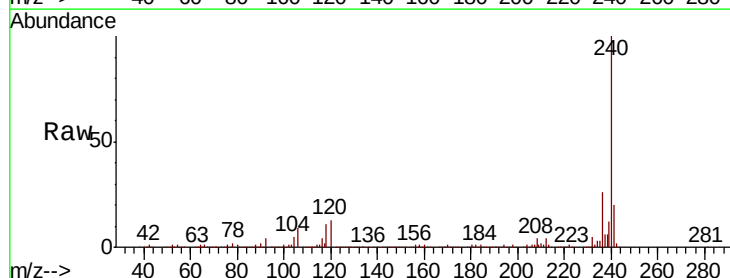


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

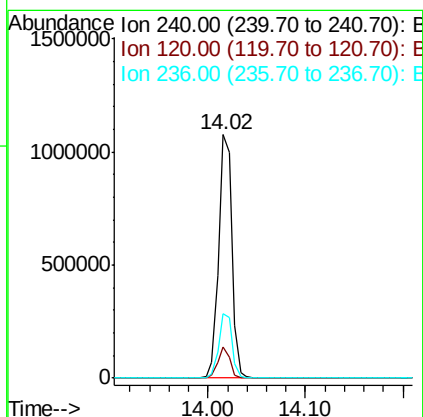
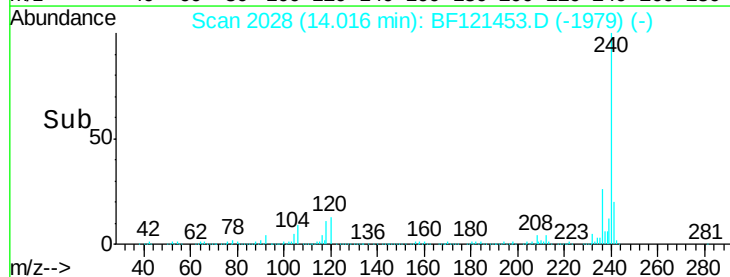


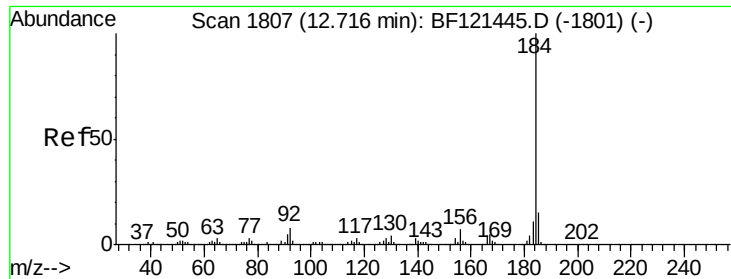
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF121453.D
 Acq: 28 Aug 2020 11:11

Tgt Ion:240 Resp: 1019125
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.5 14.3
 236 26.5 21.8 32.6



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





#77

Benzidine

Concen: 2.262 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.26 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

Instrument :

BNA_F

ClientSampleId :

PB131187BL

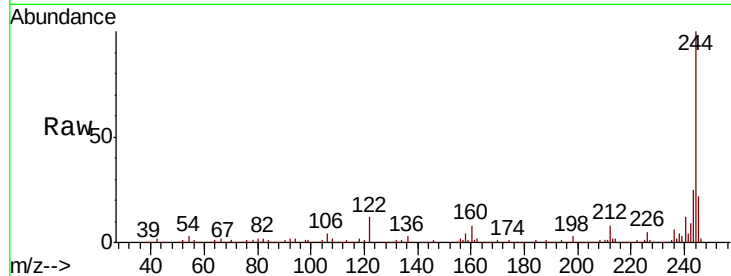
Tot Ion:184 Resp: 50279

Ion Ratio Lower Upper

184 100

185 18.0 12.1 18.1

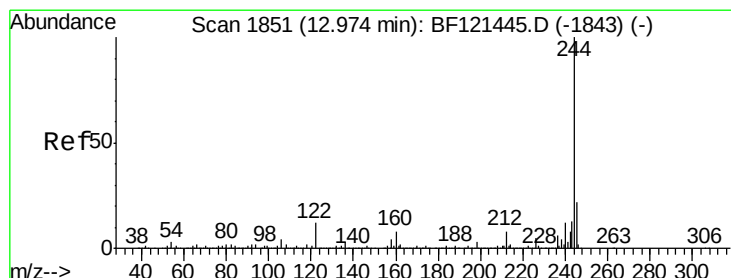
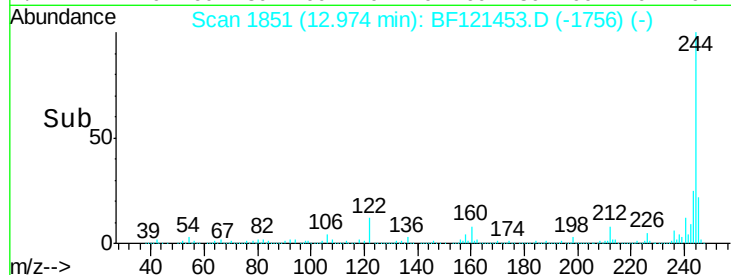
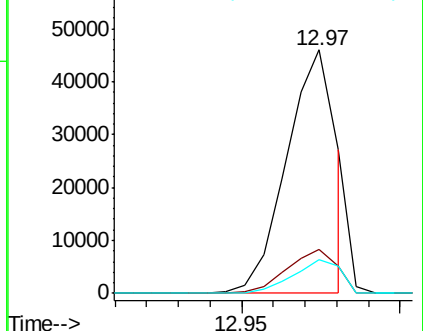
183 14.0 8.9 13.3#



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



#79

Terphenyl-d14

Concen: 71.637 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF121453.D

Acq: 28 Aug 2020 11:11

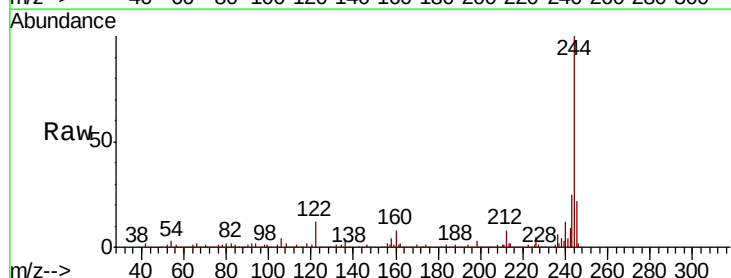
Tgt Ion:244 Resp: 3468356

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

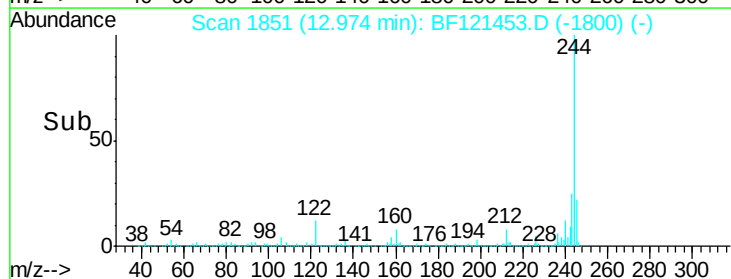
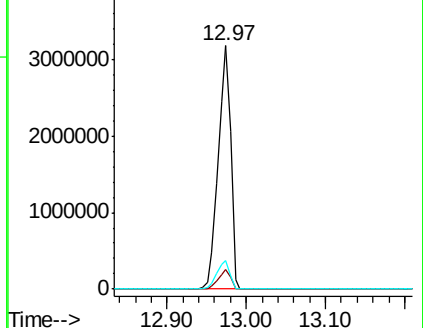
122 11.7 9.5 14.3

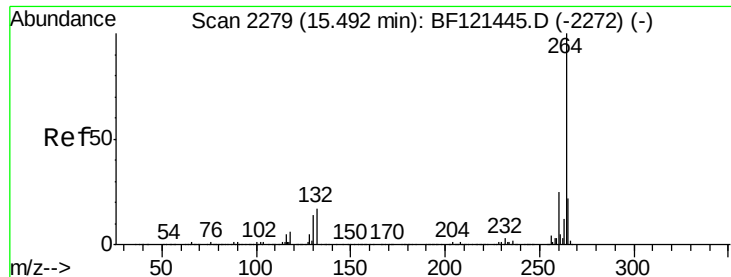


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF121453.D
Acq: 28 Aug 2020 11:11

Instrument :
BNA_F
ClientSampleId :
PB131187BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.0	17.8	26.6

