

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121474.D
 Acq On : 31 Aug 2020 13:16
 Operator : JU/CG
 Sample : PB131281BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131281BL

Quant Time: Aug 31 14:43:59 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	331869	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1278741	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	692050	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1365682	20.00	ng	0.00
76) Chrysene-d12	14.02	240	1228191	20.00	ng	0.00
86) Perylene-d12	15.49	264	1267559	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1519147	76.80	ng	0.00
7) Phenol-d6	6.48	99	1962199	70.98	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1250451	66.85	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	616358	88.18	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2381869	55.53	ng	0.00
79) Terphenyl-d14	12.97	244	2684662	46.01	ng	0.00

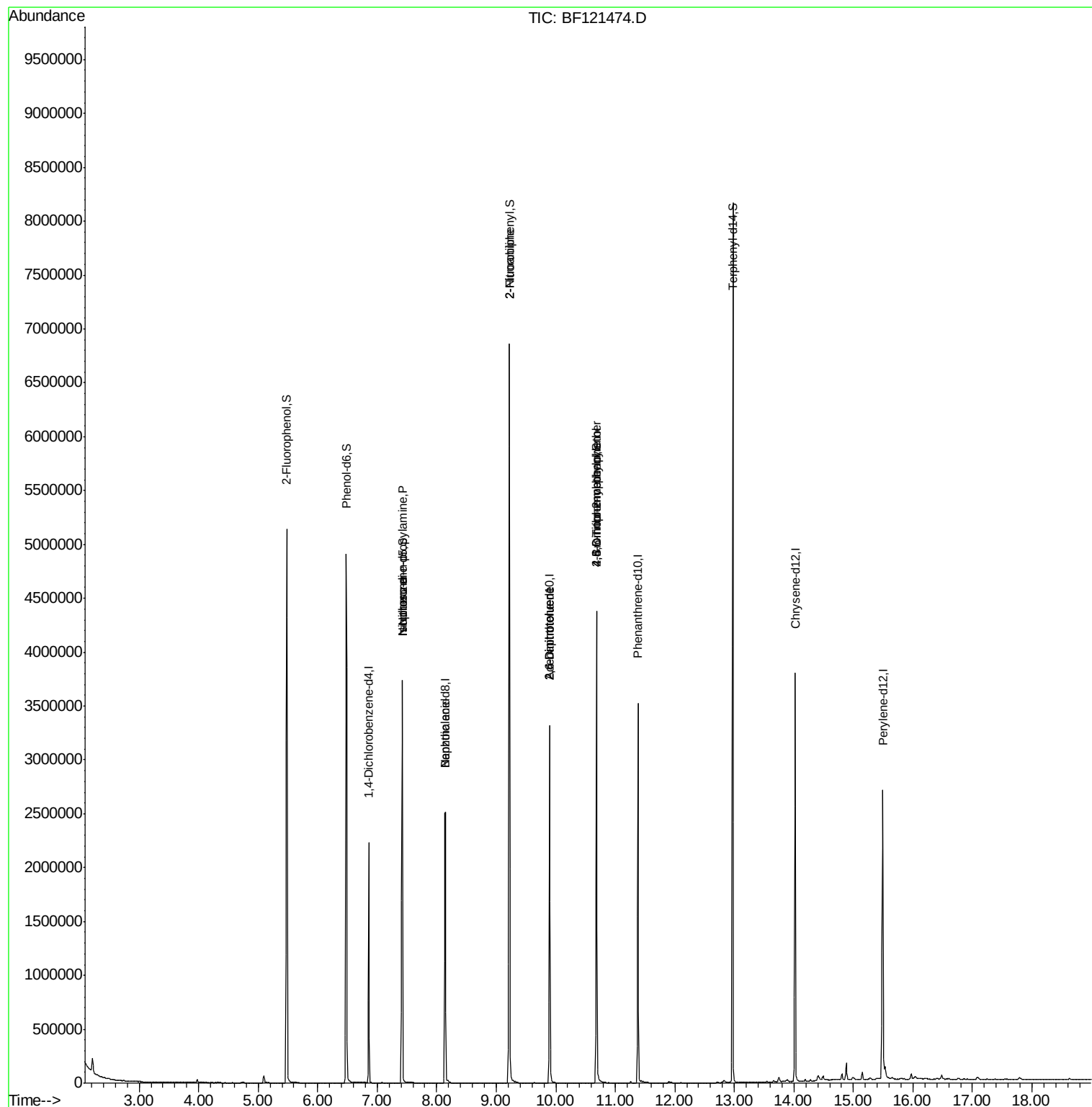
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	2880	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.42	70	164589	10.654	ng	# 77
25) Isophorone	7.42	82	1230467	29.248	ng	# 64
32) Benzoic acid	8.14	122	156	6.678	ng	# 1
48) 2-Nitroaniline	9.22	65	4085	6.940	ng	# 1
51) 2,6-Dinitrotoluene	9.90	165	89186	15.090	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	89186	14.175	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	1221	5.929	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	36438	2.425	ng	# 1

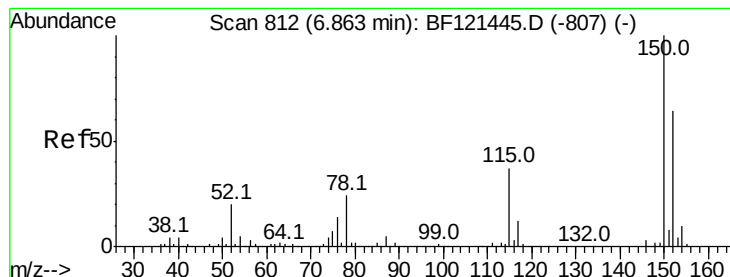
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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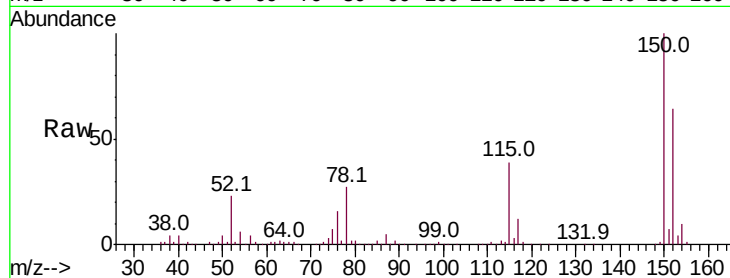


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Instrument :
BNA_F
ClientSampleId :
PB131281BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.8	188.6
115	61.9	46.6	69.8

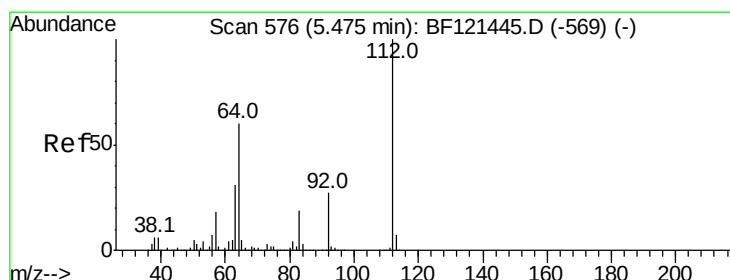
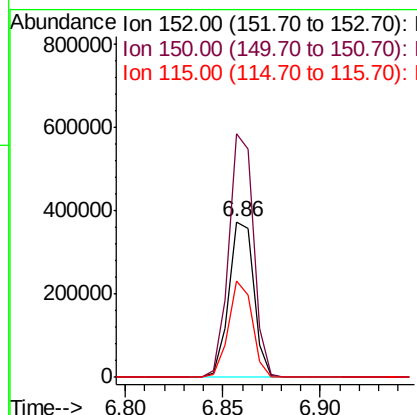
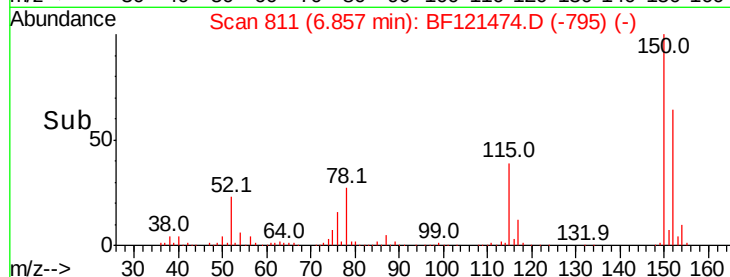


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

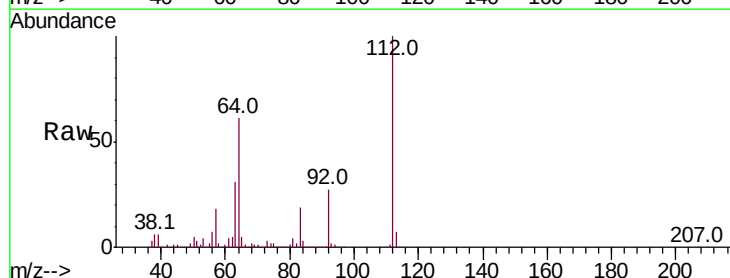
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.800 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	48.2	72.2
63	31.1	24.8	37.2

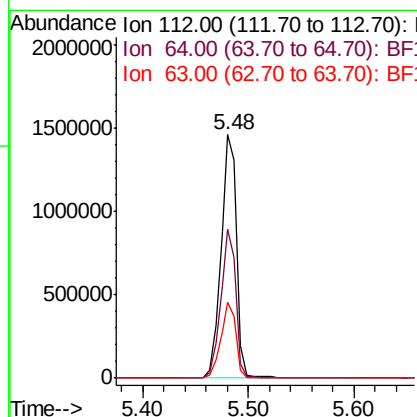
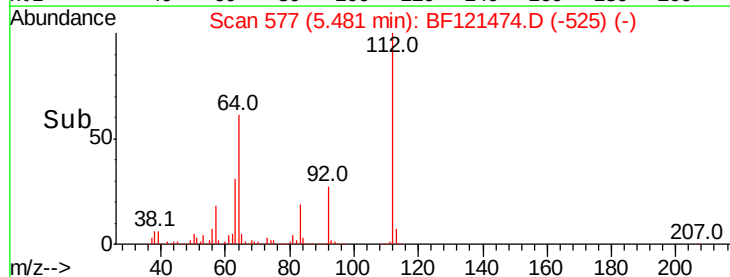


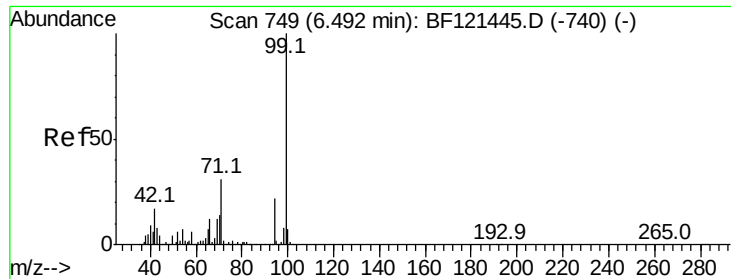
Abundance

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: 70.984 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

Instrument :

BNA_F

ClientSampleId :

PB131281BL

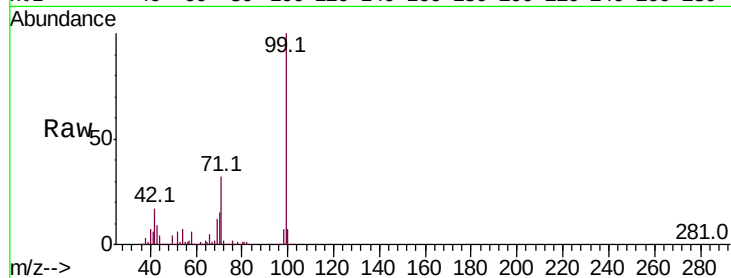
Tot Ion: 99 Resp: 1962199

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

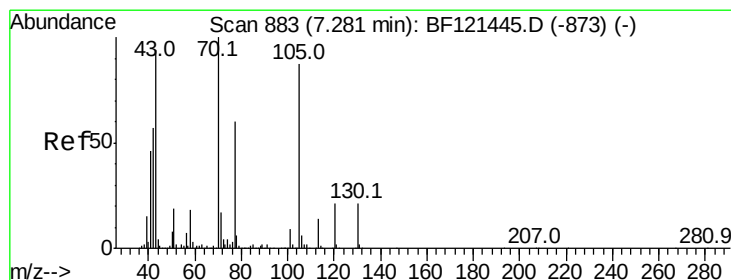
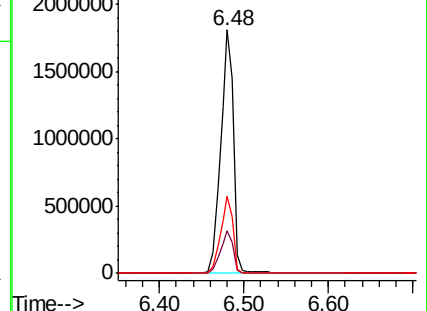
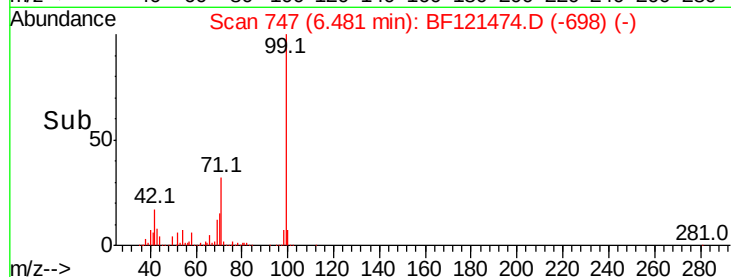
71 31.6 24.6 37.0



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: 10.654 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

Tgt Ion: 70 Resp: 164589

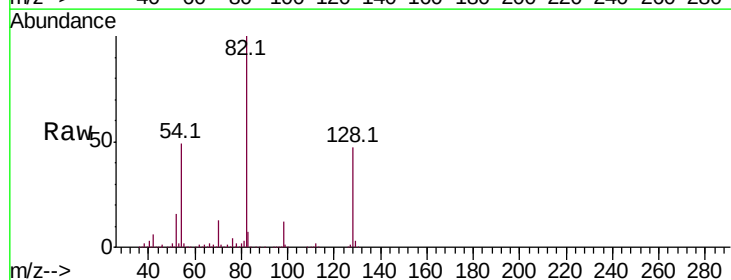
Ion Ratio Lower Upper

70 100

42 45.0 45.8 68.6#

101 0.0 7.5 11.3#

130 2.4 16.5 24.7#

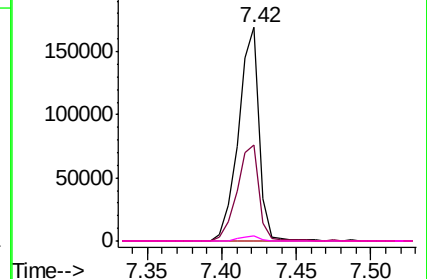
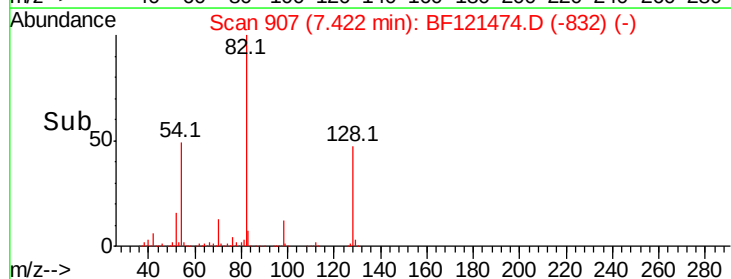


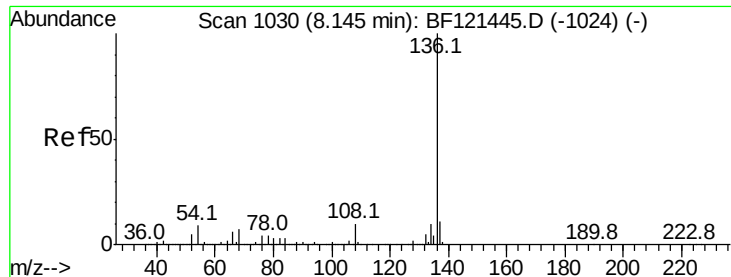
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

Instrument :

BNA_F

ClientSampleId :

PB131281BL

Tot Ion:136 Resp: 1278741

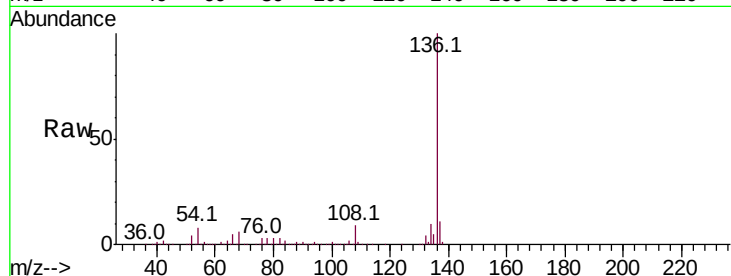
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.9 7.0 10.4

68 6.0 5.5 8.3

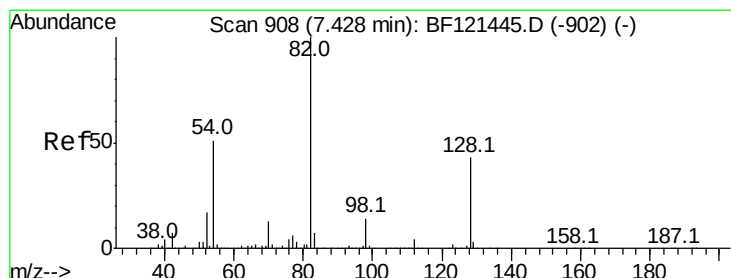
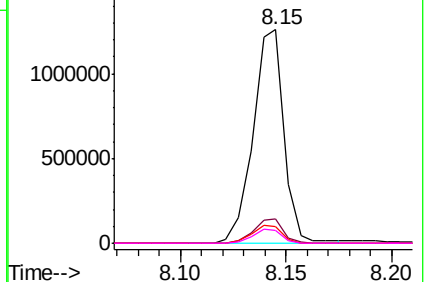
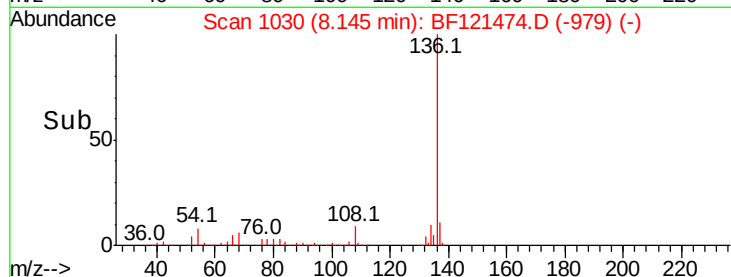


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.853 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

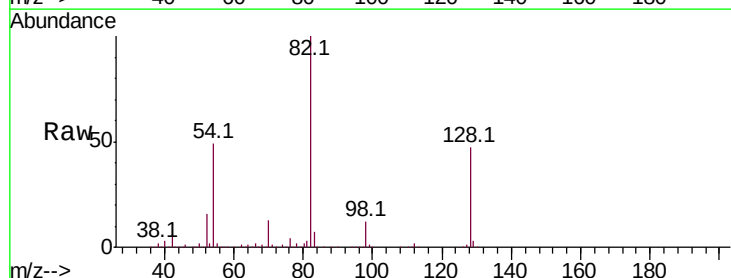
Tgt Ion: 82 Resp: 1250451

Ion Ratio Lower Upper

82 100

128 47.2 34.1 51.1

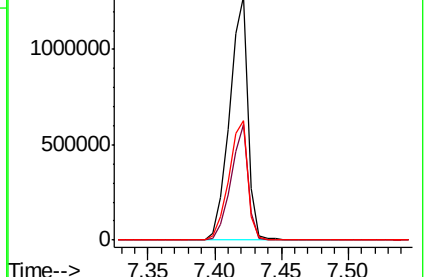
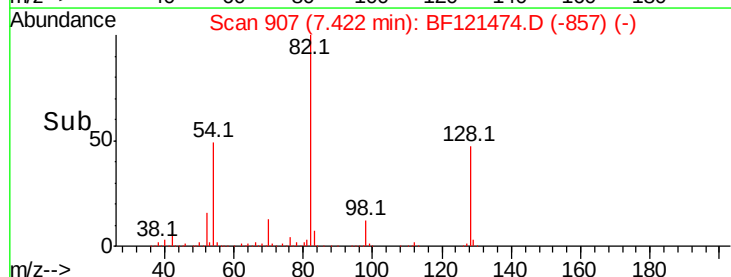
54 48.8 41.0 61.6

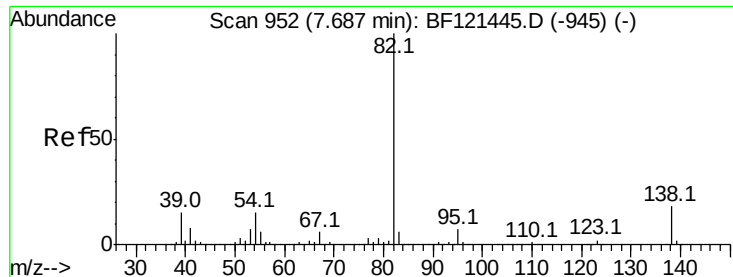


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.248 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

Instrument :

BNA_F

ClientSampleId :

PB131281BL

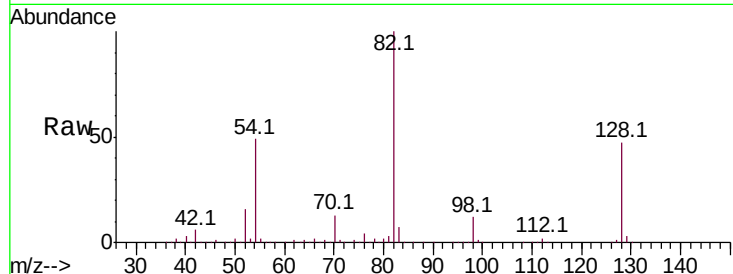
Tot Ion: 82 Resp: 1230467

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

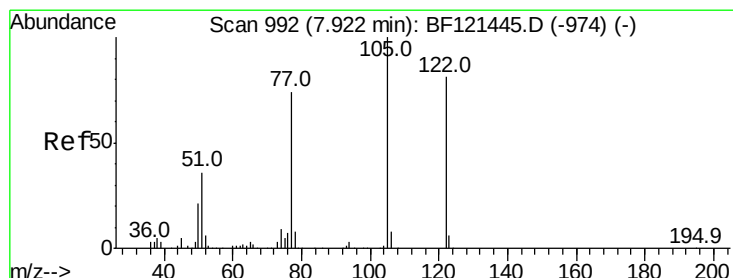
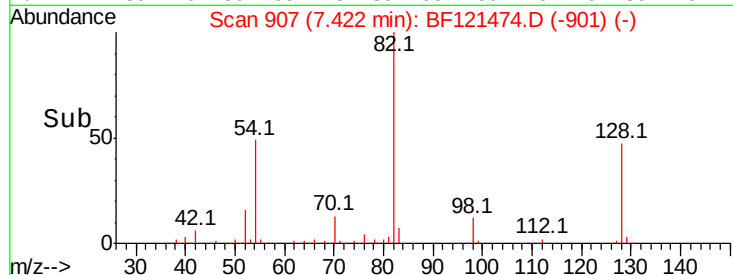
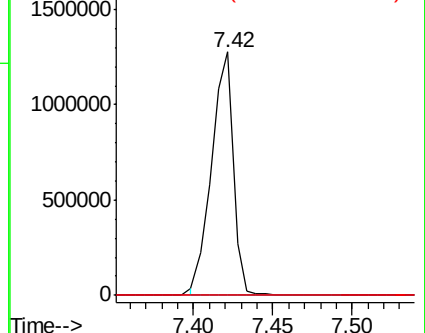
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 6.678 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.22 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

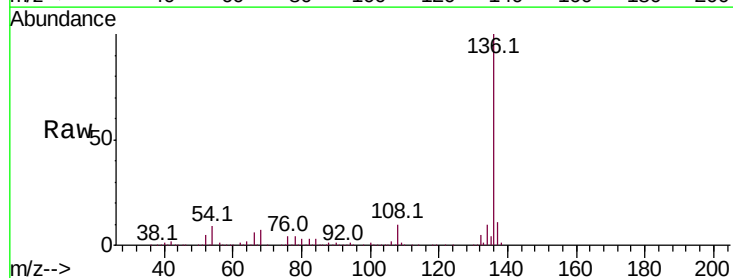
Tgt Ion:122 Resp: 156

Ion Ratio Lower Upper

122 100

105 202.7 100.8 140.8#

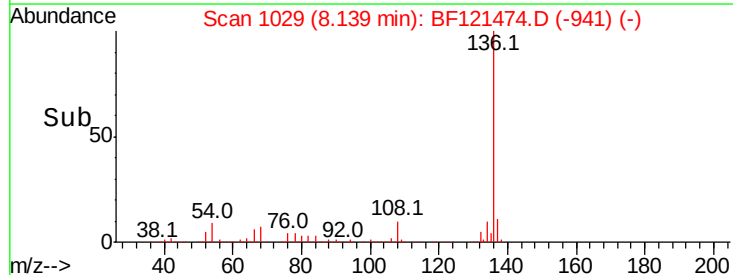
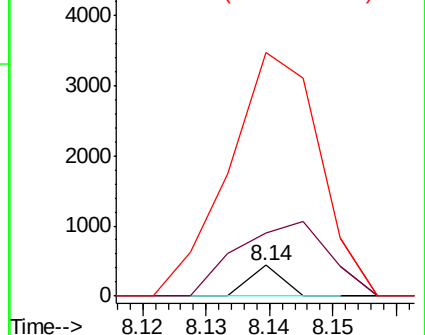
77 783.1 71.5 111.5#

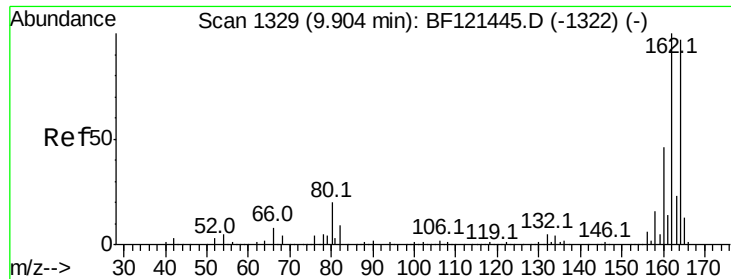


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

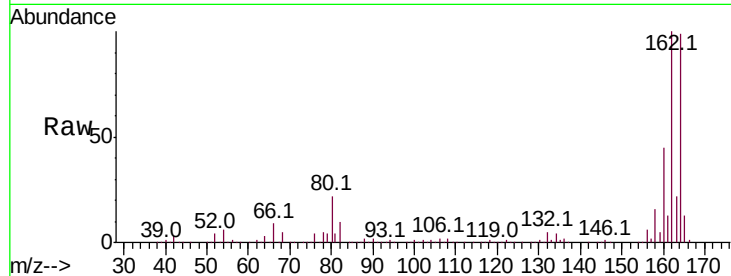




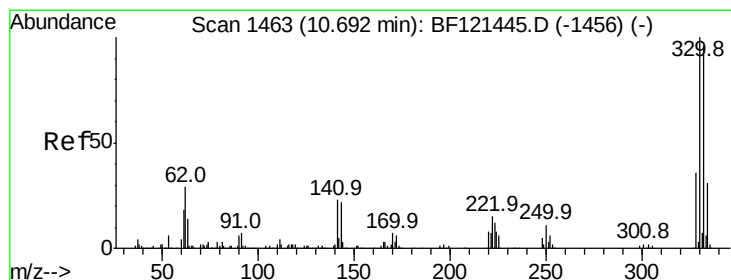
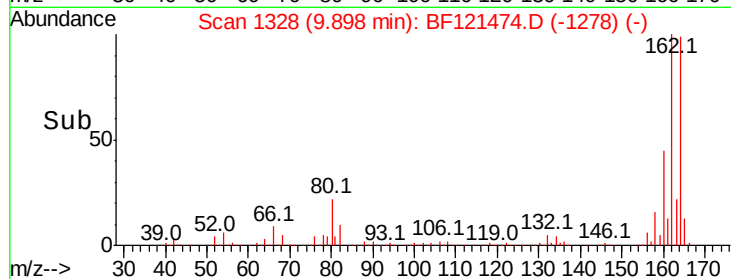
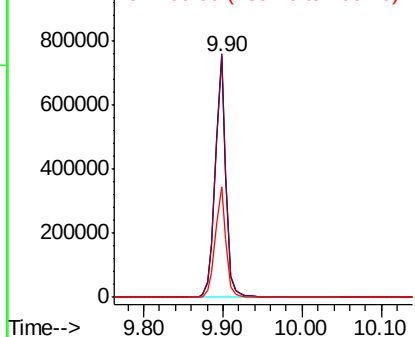
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Instrument :
BNA_F
ClientSampleId :
PB131281BL

Tot Ion:164 Resp: 692050
Ion Ratio Lower Upper
164 100
162 101.2 82.4 123.6
160 45.9 37.6 56.4

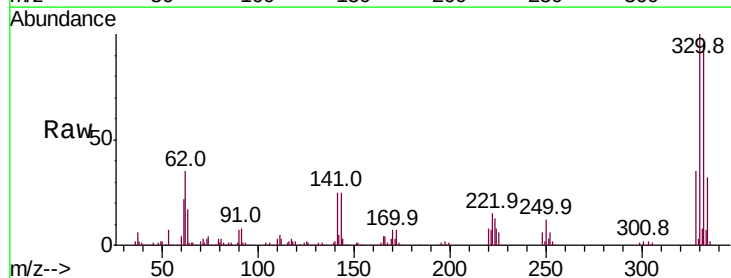


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

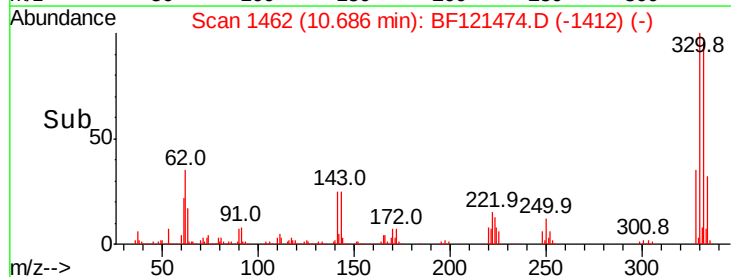
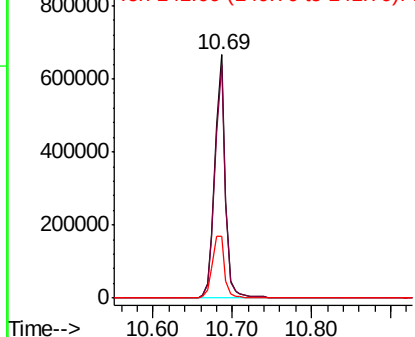


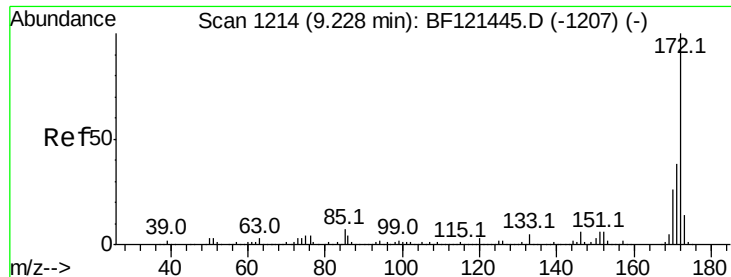
#42
2,4,6-Tribromophenol
Concen: 88.176 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Tgt Ion:330 Resp: 616358
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.2
141 30.0 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

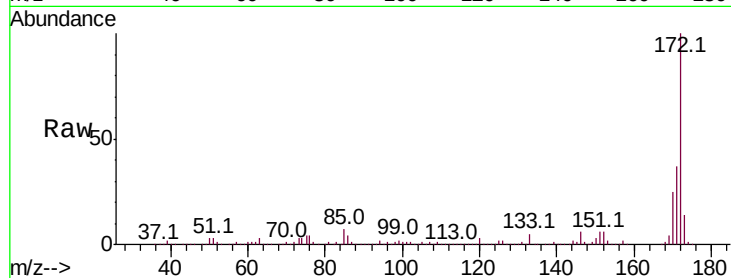




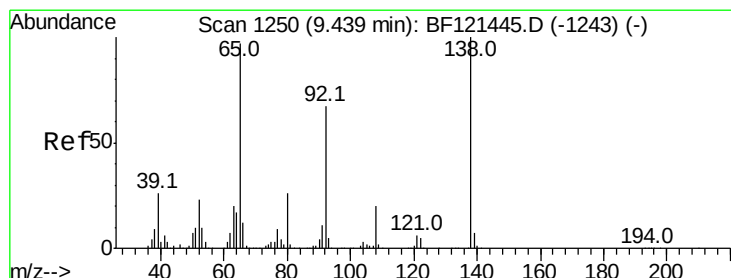
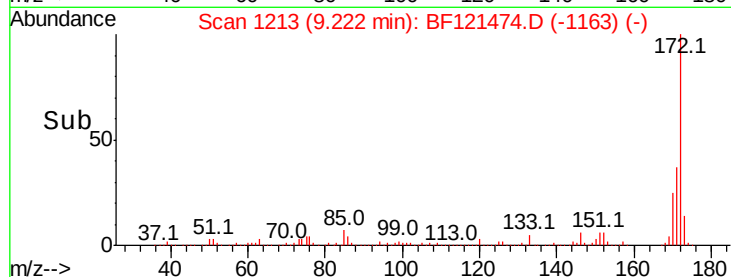
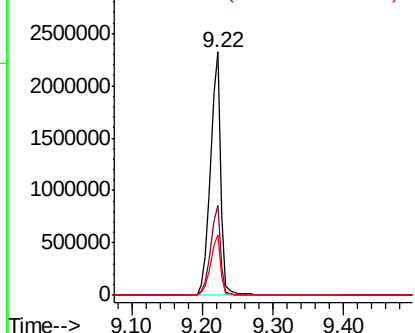
#45
2-Fluorobiphenyl
Concen: 55.534 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Instrument :
BNA_F
ClientSampleId :
PB131281BL

Tot Ion:172 Resp: 2381869
Ion Ratio Lower Upper
172 100
171 37.0 30.6 45.8
170 25.1 20.6 31.0

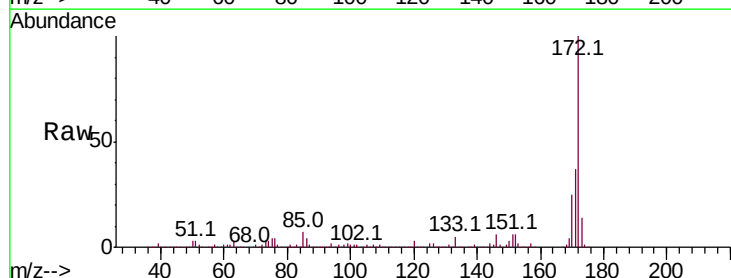


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

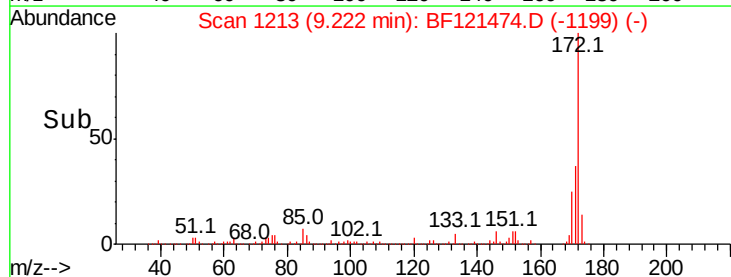
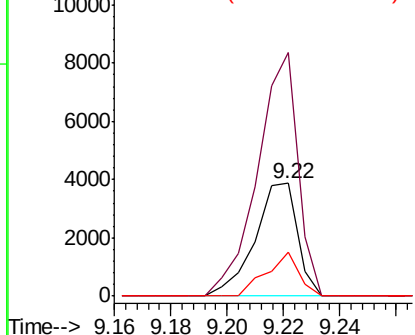


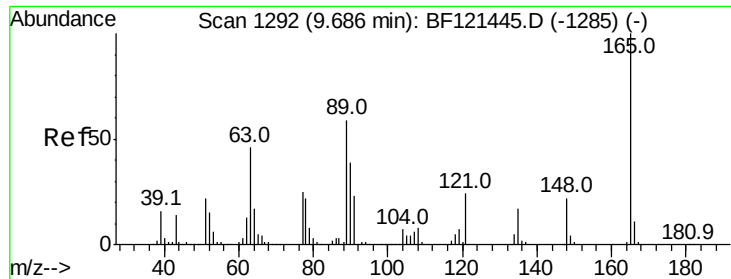
#48
2-Nitroaniline
Concen: 6.940 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.22 min
Lab File: BF121474.D
Acq: 31 Aug 2020 13:16

Tgt Ion: 65 Resp: 4085
Ion Ratio Lower Upper
65 100
92 215.6 55.6 83.4#
138 39.2 82.9 124.3#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

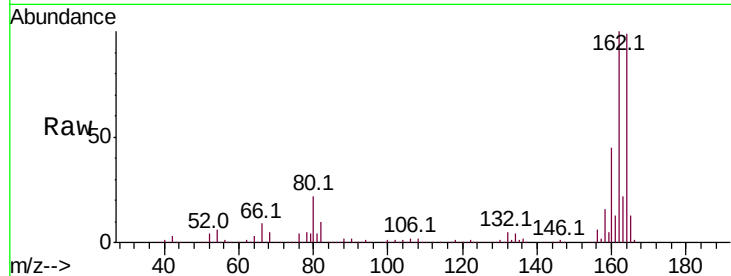




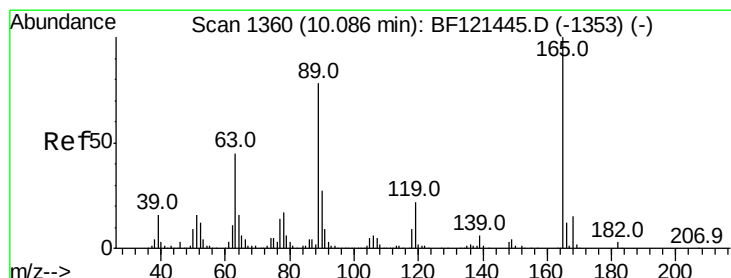
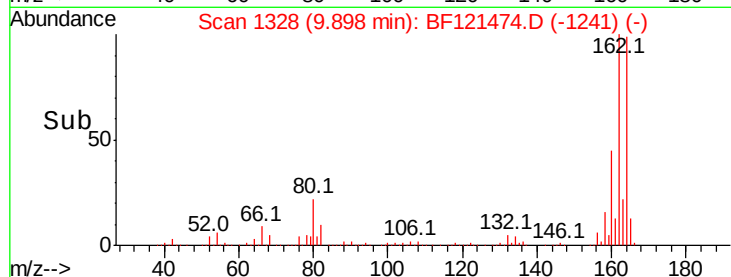
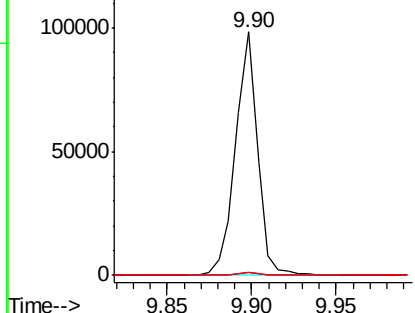
#51
 2,6-Dinitrotoluene
 Concen: 15.090 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Instrument :
 BNA_F
 ClientSampleId :
 PB131281BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.6	65.4#
89	1.3	47.4	71.2#



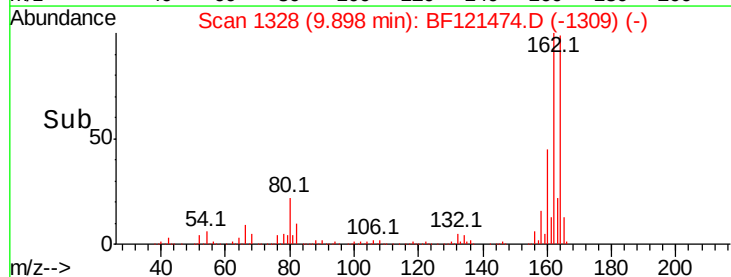
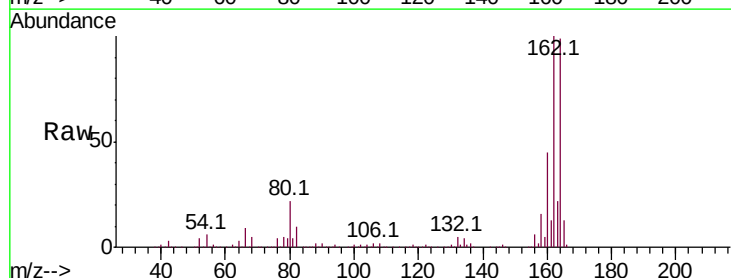
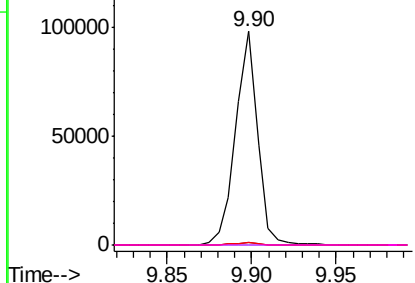
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

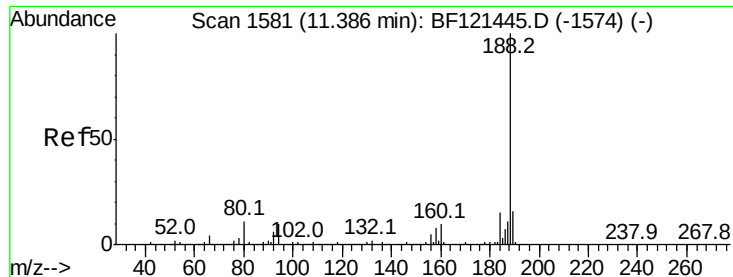


#57
 2,4-Dinitrotoluene
 Concen: 14.175 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	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
 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: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

Instrument :

BNA_F

ClientSampleId :

PB131281BL

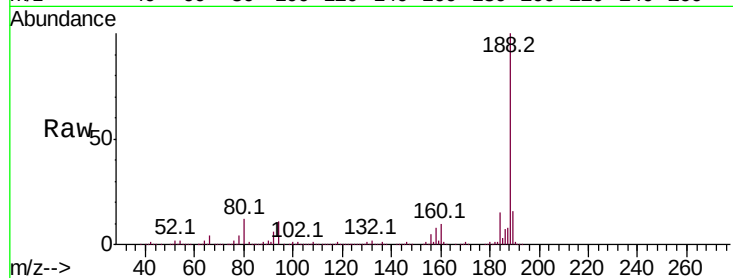
Tot Ion:188 Resp: 1365682

Ion Ratio Lower Upper

188 100

94 11.3 8.3 12.5

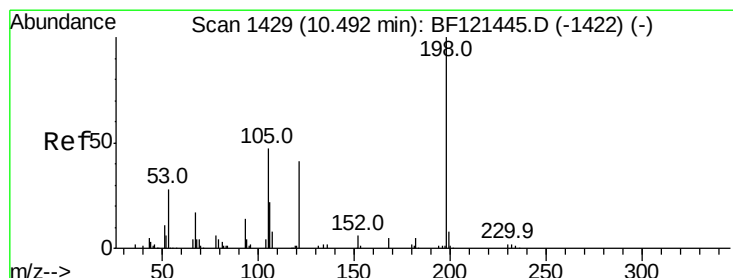
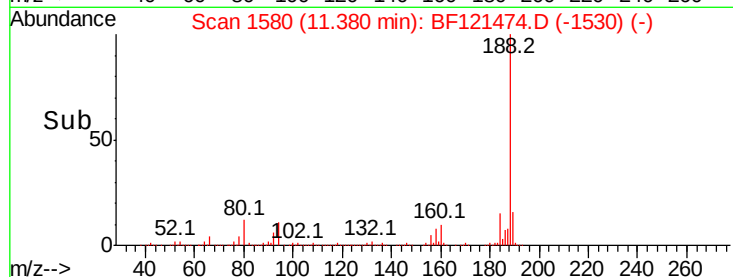
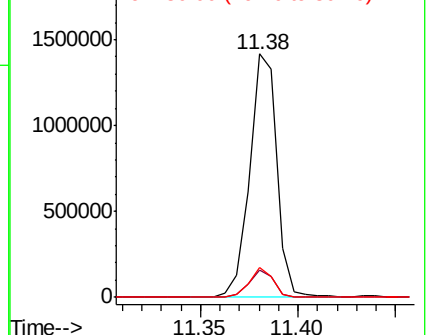
80 12.1 8.6 13.0



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: 5.929 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.19 min

Lab File: BF121474.D

Acq: 31 Aug 2020 13:16

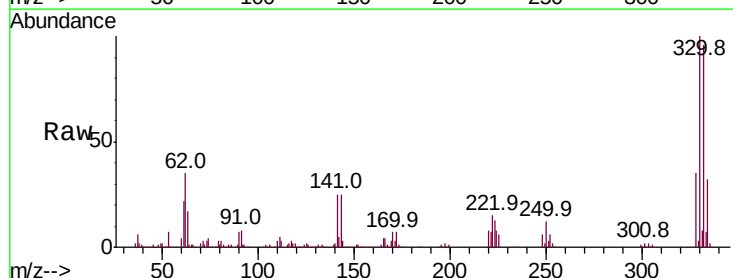
Tgt Ion:198 Resp: 1221

Ion Ratio Lower Upper

198 100

51 133.3 29.0 69.0#

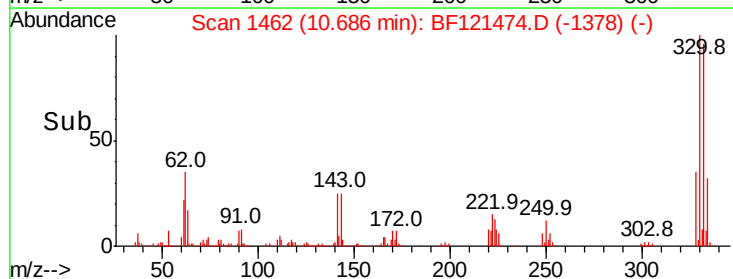
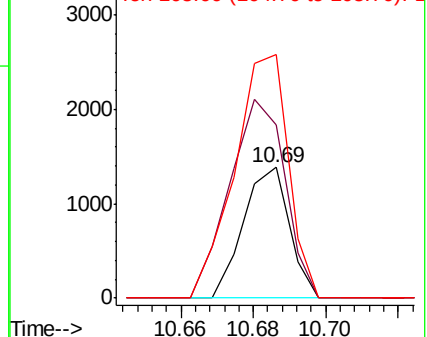
105 186.7 29.1 69.1#

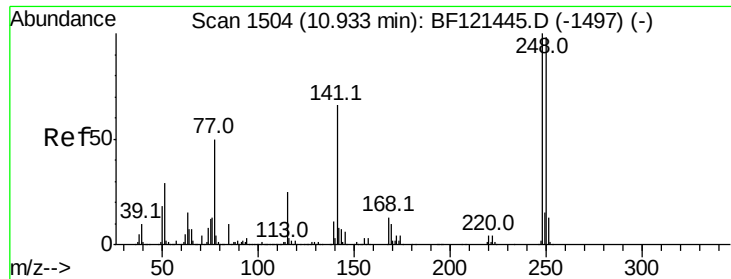


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

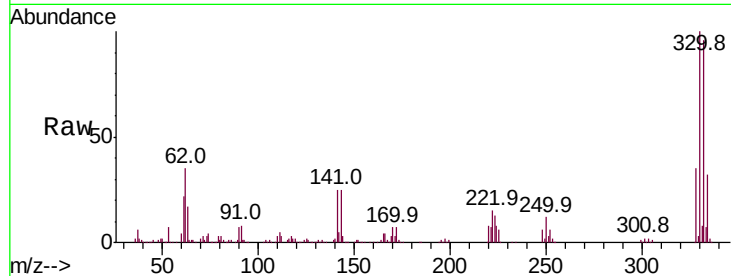




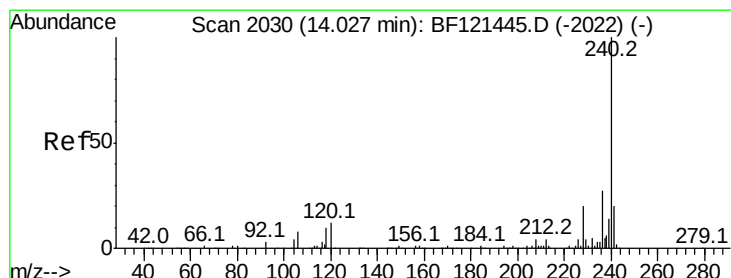
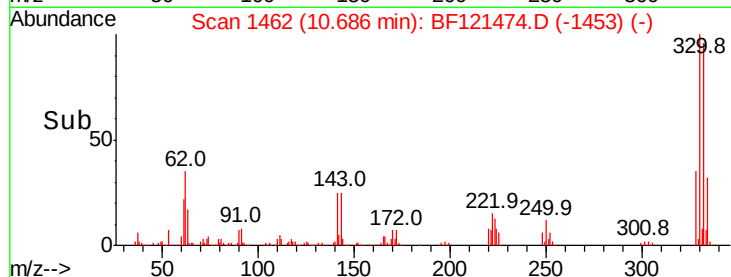
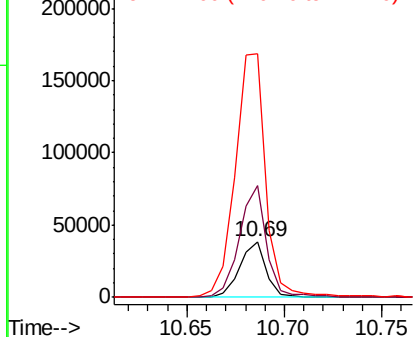
#67
 4-Bromophenyl-phenylether
 Concen: 2.425 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Instrument :
 BNA_F
 ClientSampleId :
 PB131281BL

Tot Ion:248 Resp: 36438
 Ion Ratio Lower Upper
 248 100
 250 201.9 78.7 118.1#
 141 438.9 52.6 78.8#

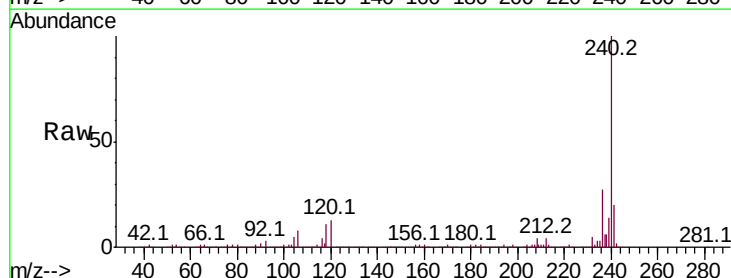


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

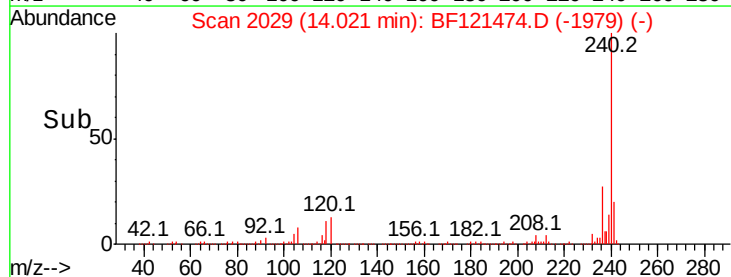
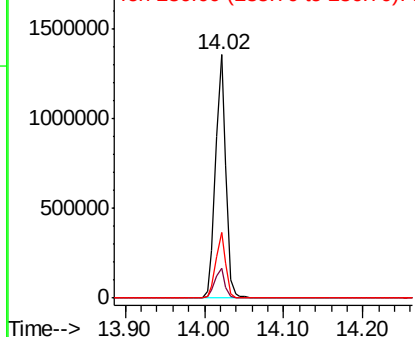


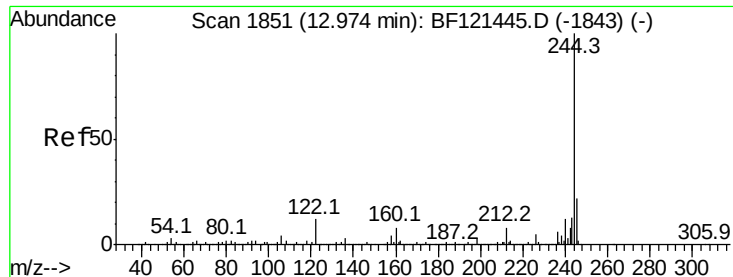
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Tgt Ion:240 Resp: 1228191
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.5 14.3
 236 27.1 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



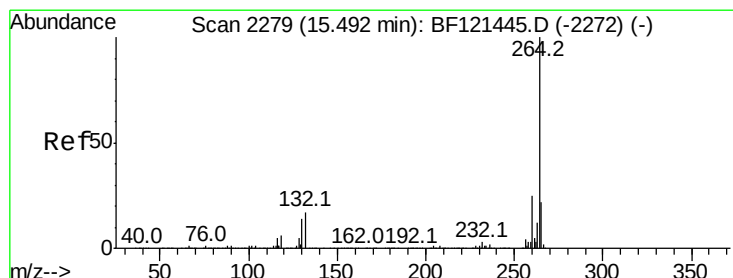
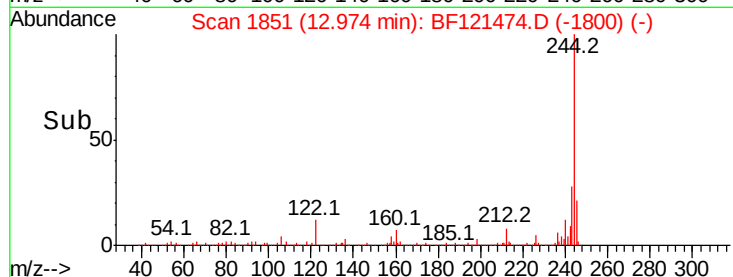
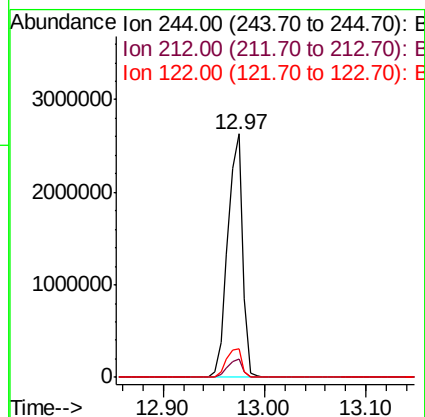
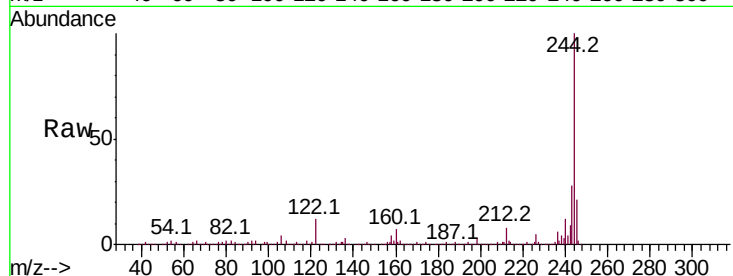


#79
 Terphenyl-d14
 Concen: 46.012 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Instrument :
 BNA_F
 ClientSampleId :
 PB131281BL

Tot Ion:244 Resp: 2684662

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	11.6	9.5	14.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BF121474.D
 Acq: 31 Aug 2020 13:16

Tgt Ion:264 Resp: 1267559

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.1	17.8	26.6

