

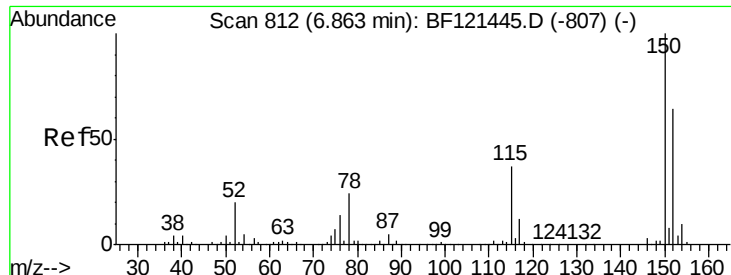
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\
 Data File : BF121520.D
 Acq On : 2 Sep 2020 18:28
 Operator : JU/CG
 Sample : L3828-05RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW

Quant Time: Sep 03 00:52:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	270098	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1027784	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	545787	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1014230	20.00	ng	0.00
76) Chrysene-d12	14.00	240	868897	20.00	ng	-0.01
86) Perylene-d12	15.46	264	795735	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	352395	21.89	ng	0.00
7) Phenol-d6	6.46	99	454699	20.21	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1042440	69.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	174248	31.61	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1628118	48.13	ng	0.00
79) Terphenyl-d14	12.95	244	1361254	32.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	7182	Below Cal	Qvalue	# 49
25) Isophorone	7.65	82	96913	2.866 ng	#	1
26) 2-Nitrophenol	7.75	139	7705	6.353 ng	#	1
32) Benzoic acid	7.92	122	3936	7.237 ng	#	1
48) 2-Nitroaniline	9.41	65	1770	6.808 ng	#	60
50) Dimethylphthalate	9.59	163	362753	9.676 ng	#	98
51) 2,6-Dinitrotoluene	9.65	165	3070	6.797 ng	#	29
53) 3-Nitroaniline	9.83	138	2666	5.716 ng	#	13
54) 2,4-Dinitrophenol	9.86	184	106	Below Cal	#	1
56) 4-Nitrophenol	9.99	139	5119	8.494 ng	#	1
57) 2,4-Dinitrotoluene	10.04	165	2482	7.519 ng	#	25
62) 4-Nitroaniline	10.37	138	1918	4.725 ng	#	77
65) 4,6-Dinitro-2-methylphenol	10.45	198	384	5.612 ng	#	1

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

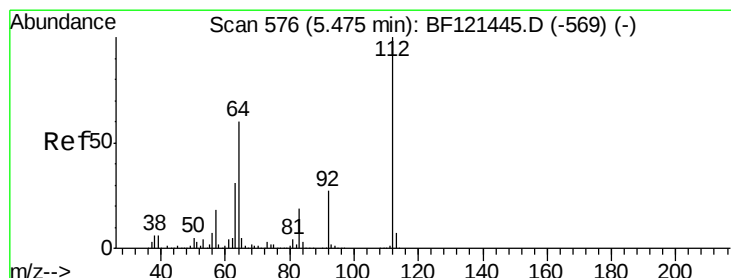
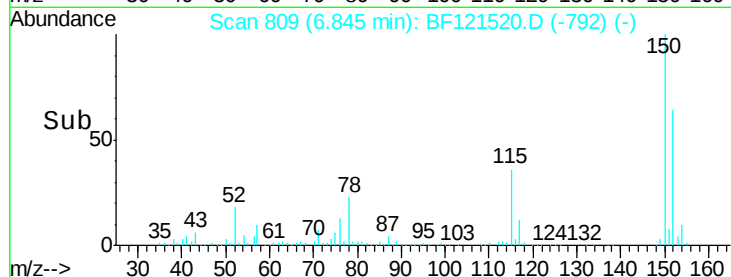
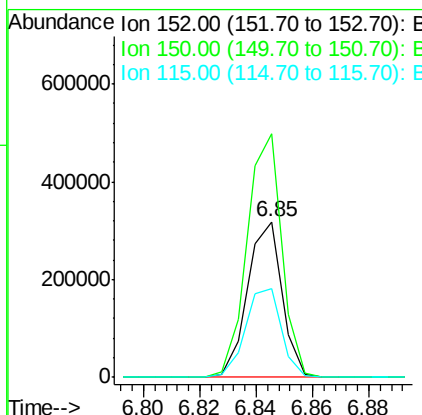
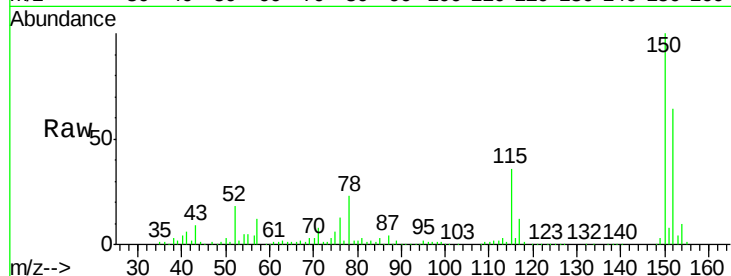


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

Instrument :
BNA_F
ClientSampleId :
GW

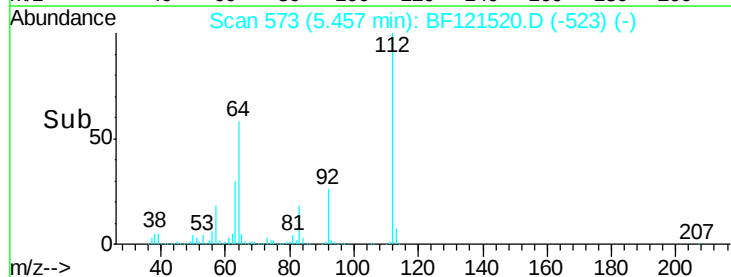
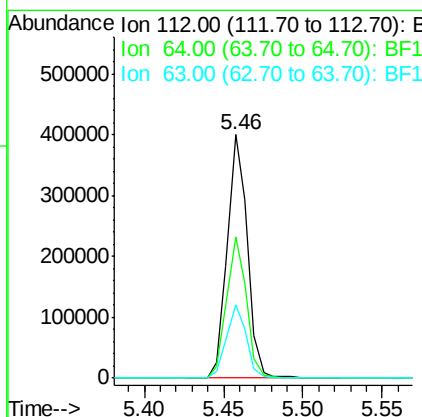
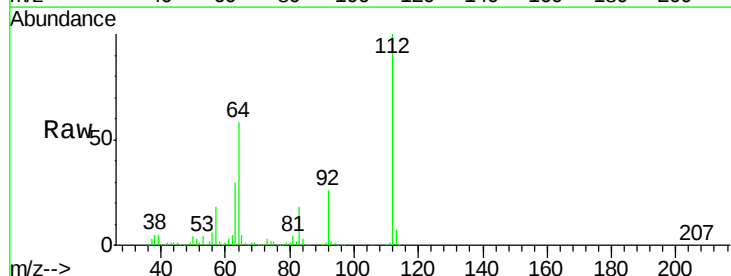
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.1	189.1
115	57.0	48.4	72.6



#5

2-Fluorophenol
Concen: 21.889 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.0	69.0
63	30.2	23.4	35.2





#7

Phenol-d6

Concen: 20.211 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampleId :

GW

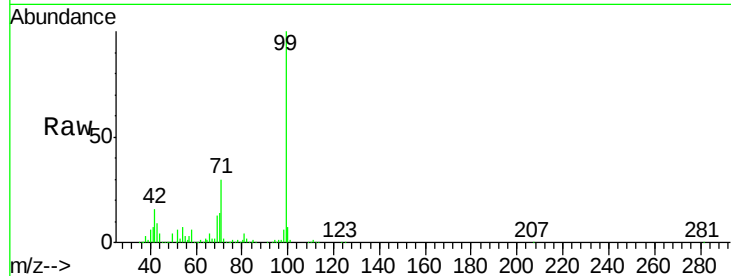
Tot Ion: 99 Resp: 454699

Ion Ratio Lower Upper

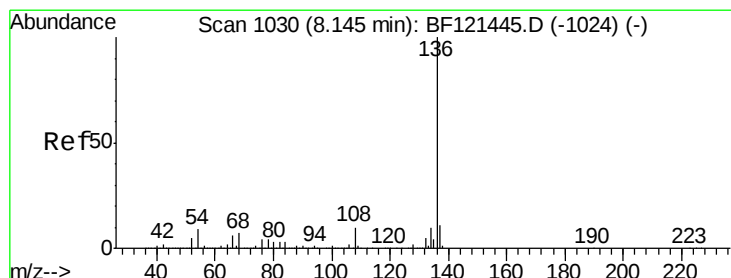
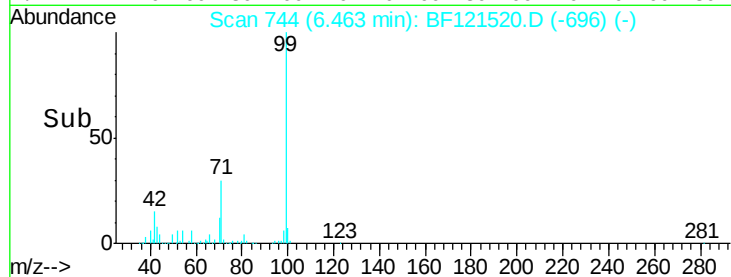
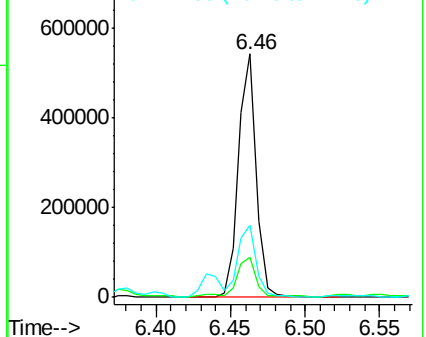
99 100

42 16.3 13.0 19.4

71 29.8 24.8 37.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Tgt Ion: 136 Resp: 1027784

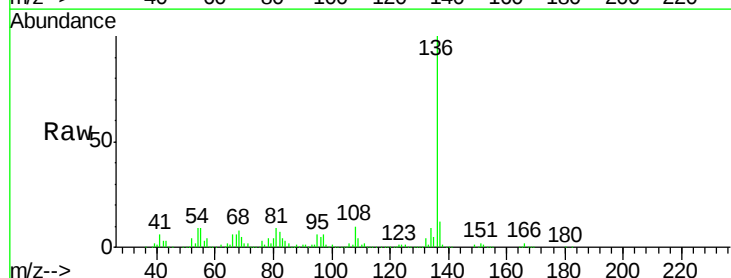
Ion Ratio Lower Upper

136 100

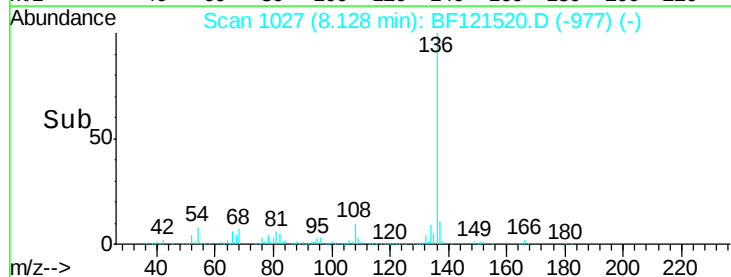
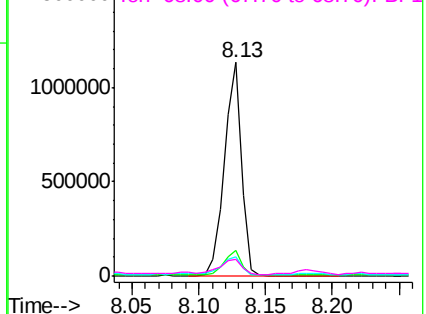
137 11.7 8.9 13.3

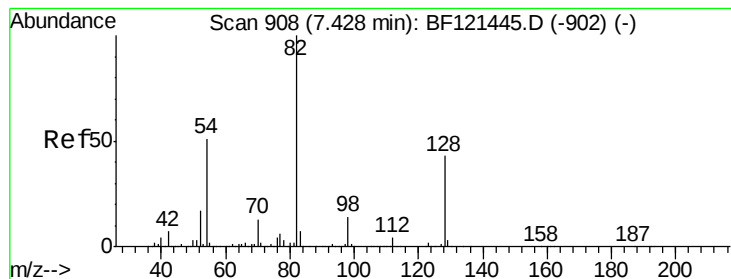
54 9.0 6.2 9.4

68 8.1 5.1 7.7#



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: 69.340 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampled :

GW

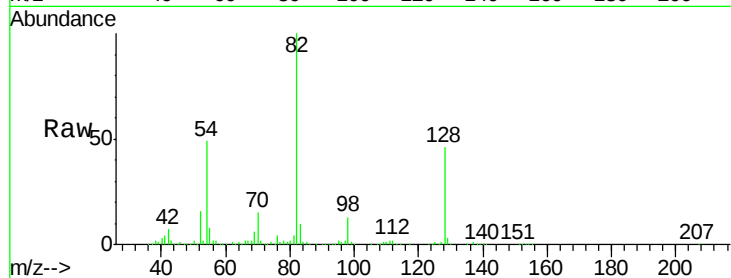
Tot Ion: 82 Resp: 1042440

Ion Ratio Lower Upper

82 100

128 46.4 37.3 55.9

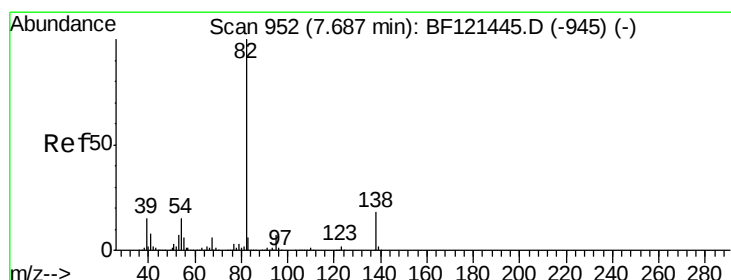
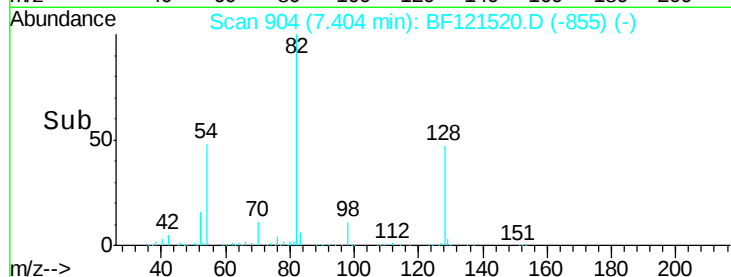
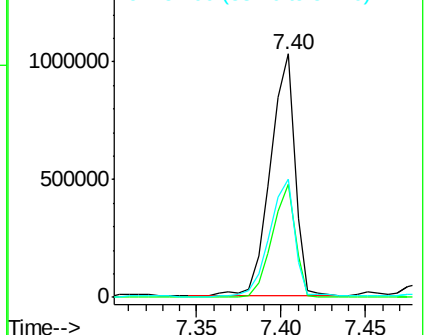
54 48.6 39.0 58.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 2.866 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

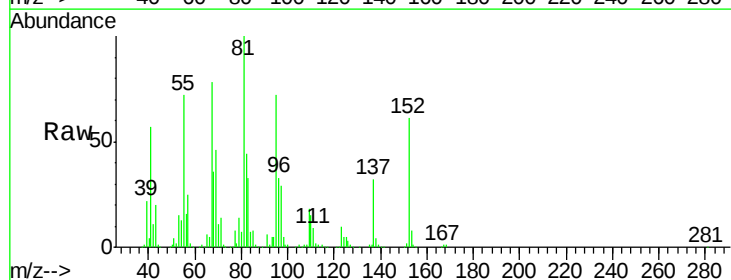
Tgt Ion: 82 Resp: 96913

Ion Ratio Lower Upper

82 100

95 163.1 5.7 8.5#

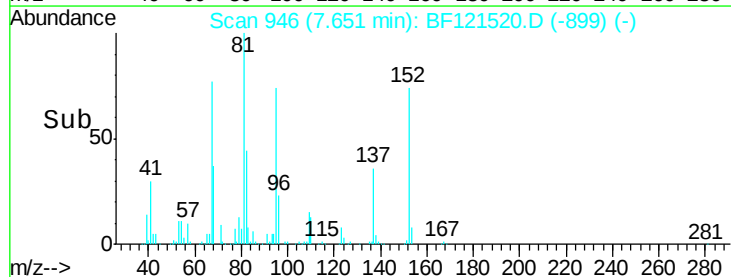
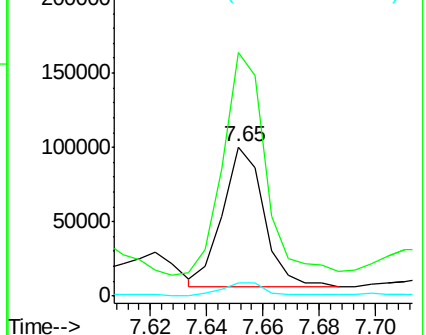
138 9.1 15.6 23.4#

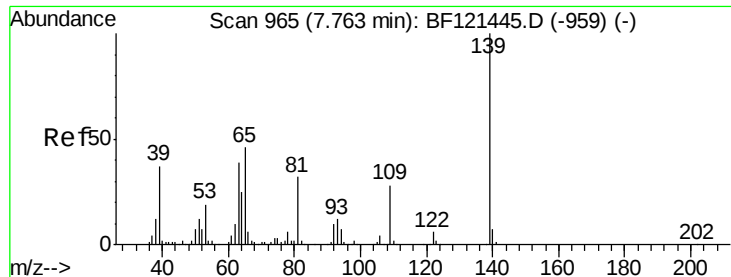


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

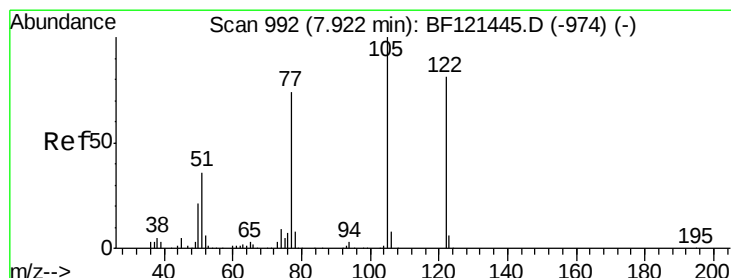
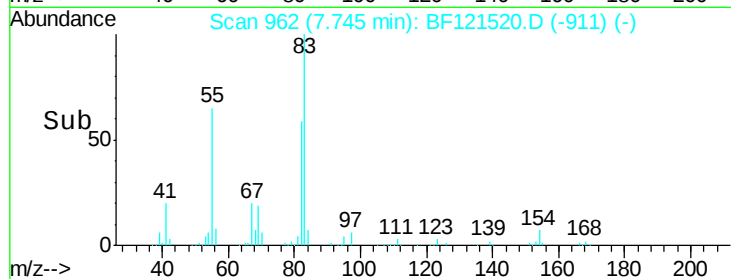
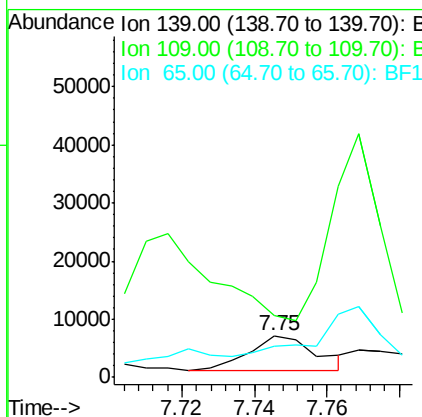
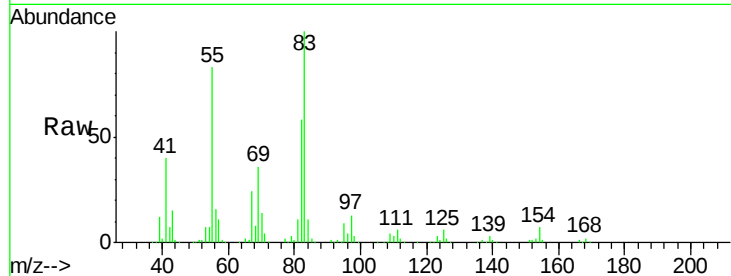




#26
2-Nitrophenol
Concen: 6.353 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.00 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

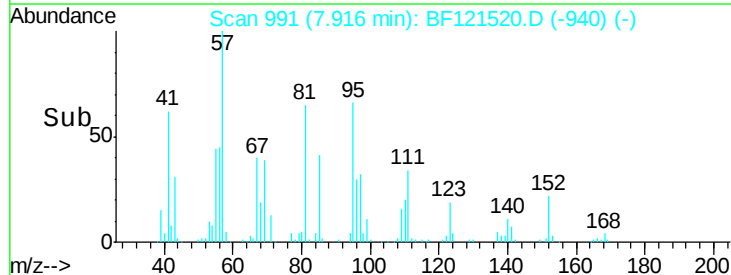
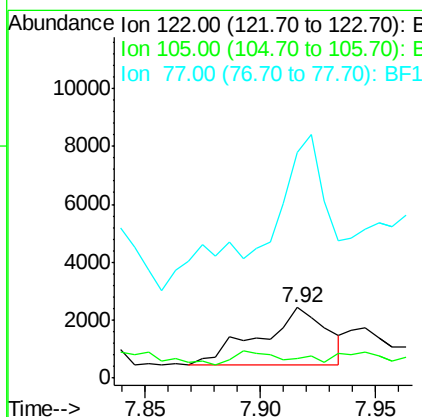
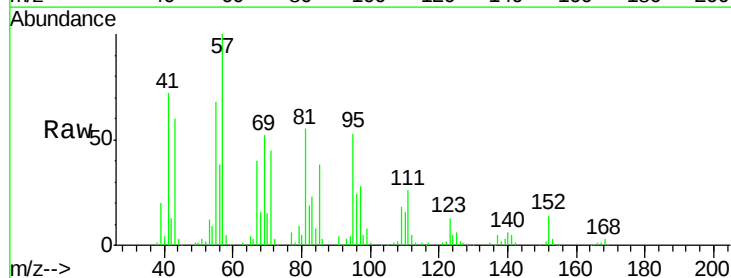
Instrument :
BNA_F
ClientSampleId :
GW

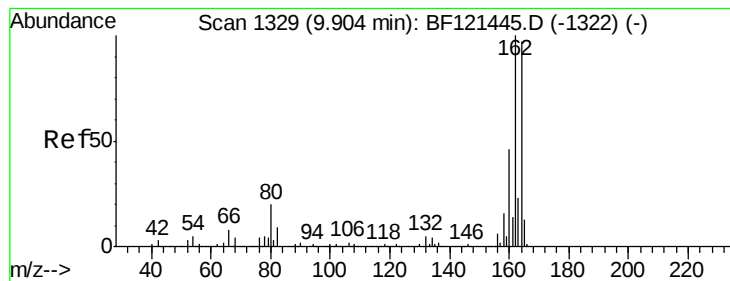
Tot Ion:139 Resp: 7705
Ion Ratio Lower Upper
139 100
109 147.2 22.0 33.0#
65 74.4 39.3 58.9#



#32
Benzoic acid
Concen: 7.237 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

Tgt Ion:122 Resp: 3936
Ion Ratio Lower Upper
122 100
105 27.3 102.2 142.2#
77 321.9 69.8 109.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampled :

GW

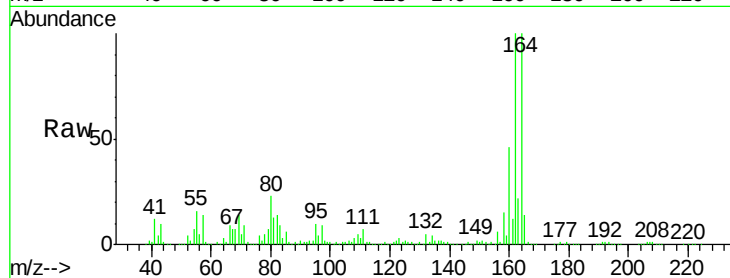
Tot Ion:164 Resp: 545787

Ion Ratio Lower Upper

164 100

162 100.0 80.5 120.7

160 45.6 36.2 54.4

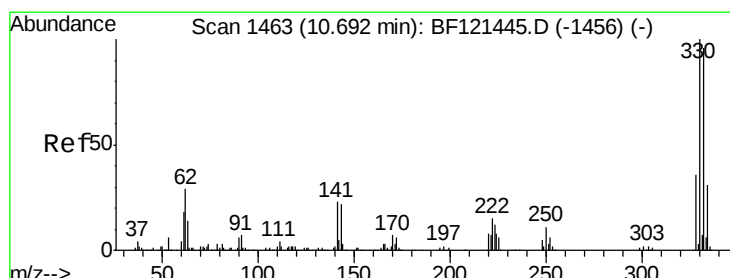
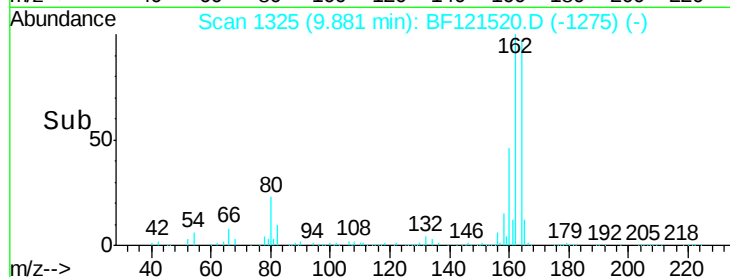


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time--> 9.80 9.85 9.90 9.95



#42

2,4,6-Tribromophenol

Concen: 31.608 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

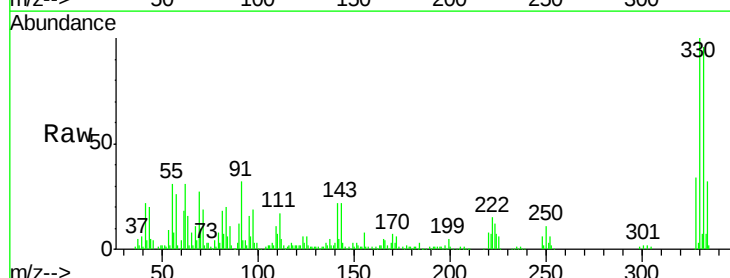
Tgt Ion:330 Resp: 174248

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.2

141 29.2 22.6 34.0

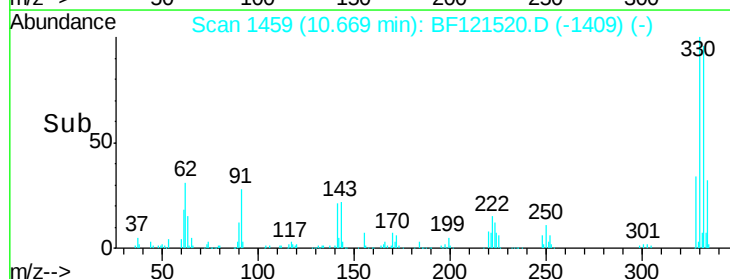


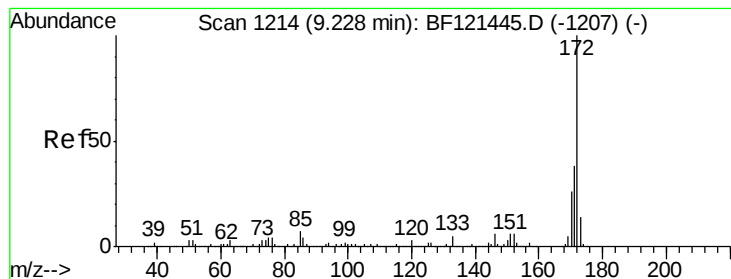
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time--> 10.60 10.65 10.70 10.75





#45

2-Fluorobiphenyl

Concen: 48.133 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampleId :

GW

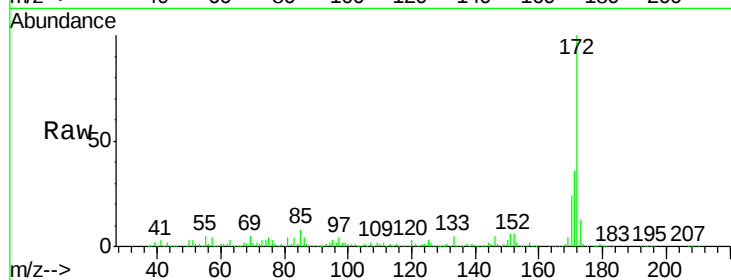
Tot Ion:172 Resp: 1628118

Ion Ratio Lower Upper

172 100

171 35.9 30.4 45.6

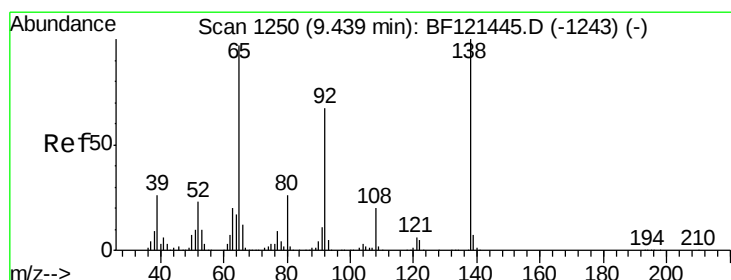
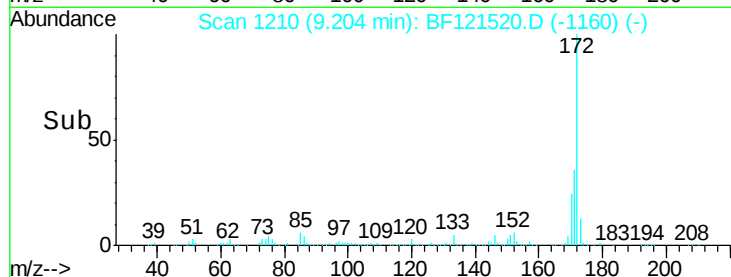
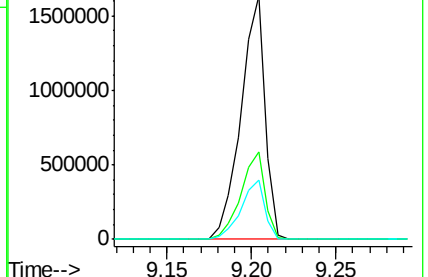
170 24.5 20.7 31.1



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: 6.808 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

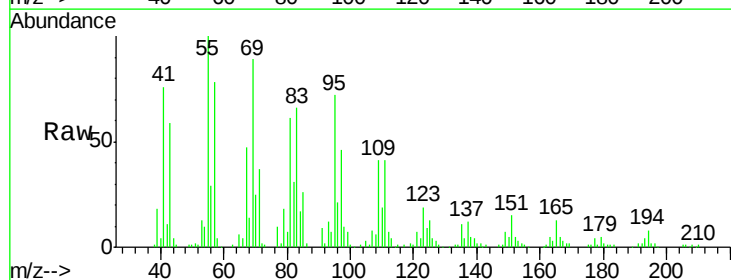
Tgt Ion: 65 Resp: 1770

Ion Ratio Lower Upper

65 100

92 31.4 58.6 87.8#

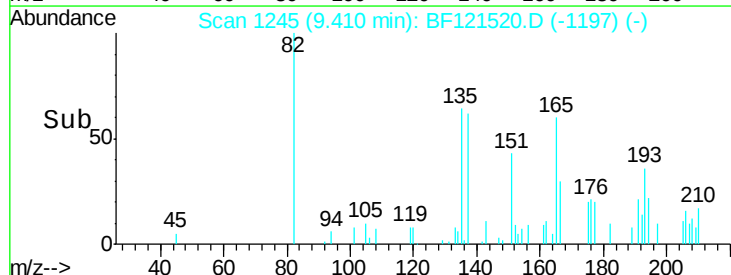
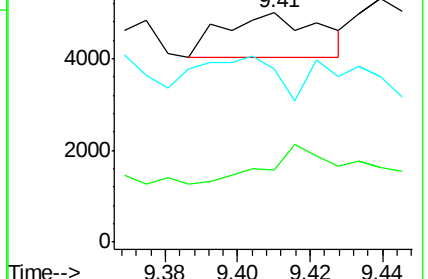
138 75.6 88.6 133.0#

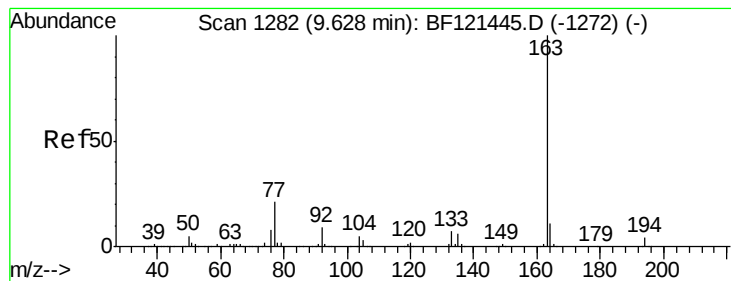


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 9.676 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampled :

GW

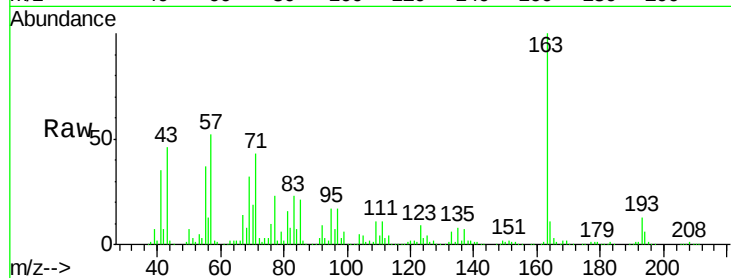
Tot Ion:163 Resp: 362753

Ion Ratio Lower Upper

163 100

194 6.5 3.3 4.9#

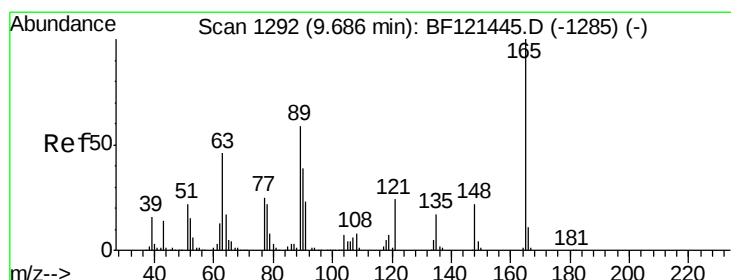
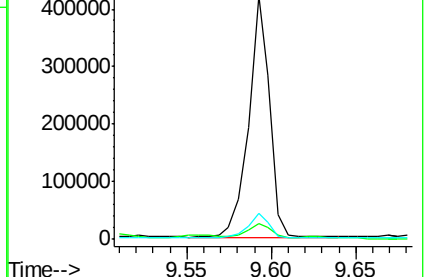
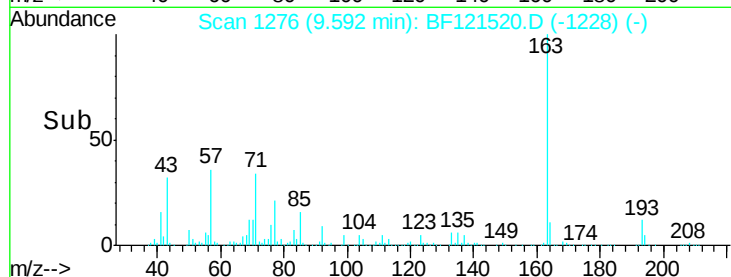
164 10.9 8.6 13.0



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



#51

2,6-Dinitrotoluene

Concen: 6.797 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

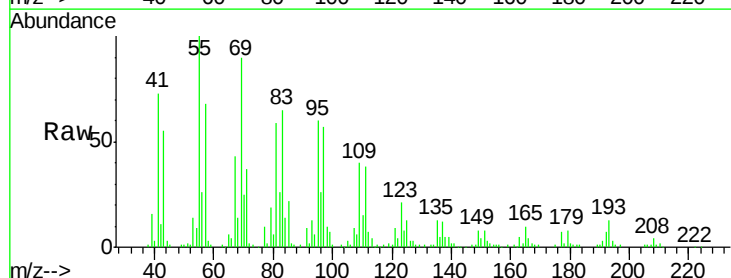
Tgt Ion:165 Resp: 3070

Ion Ratio Lower Upper

165 100

63 6.0 47.4 71.0#

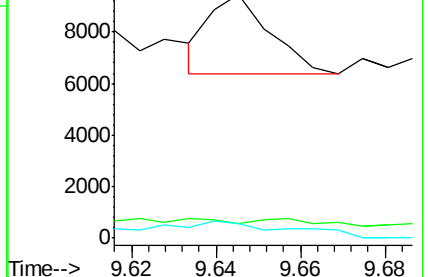
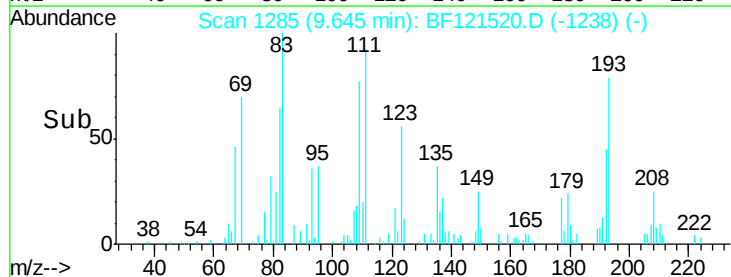
89 6.2 47.9 71.9#

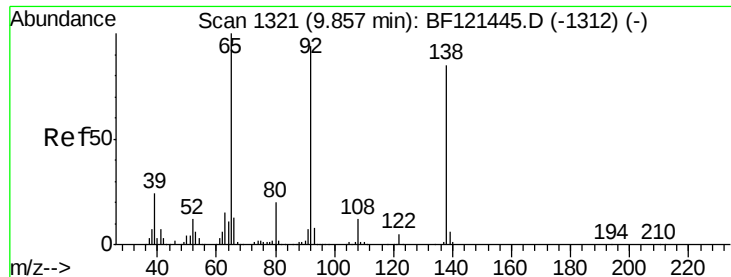


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

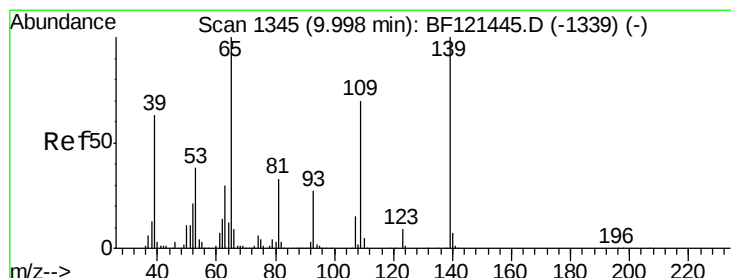
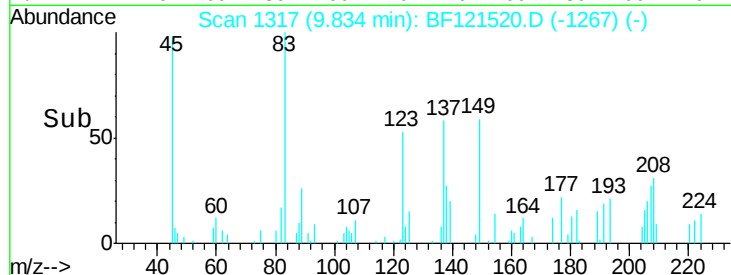
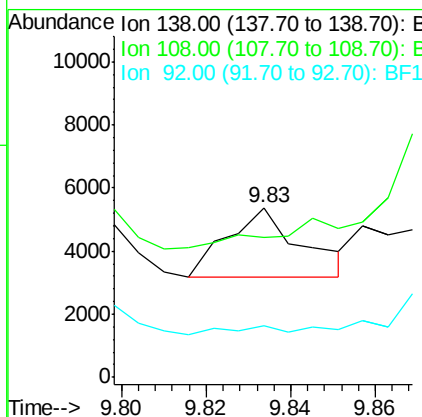
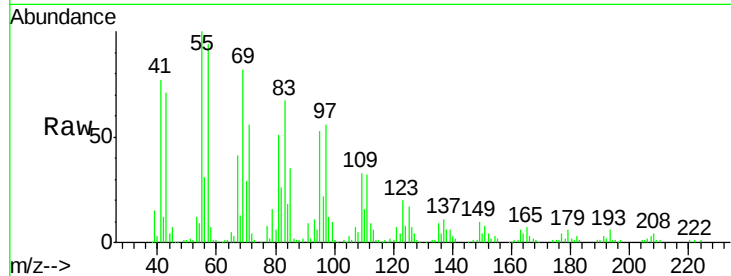




#53
3-Nitroaniline
Concen: 5.716 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

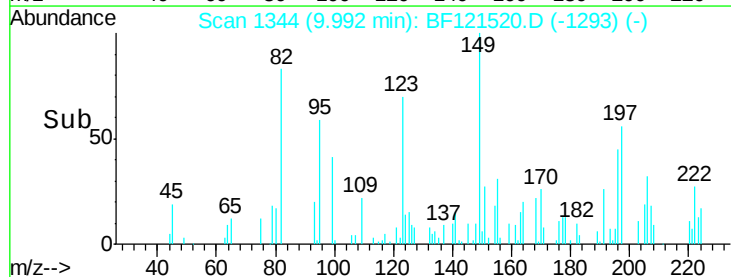
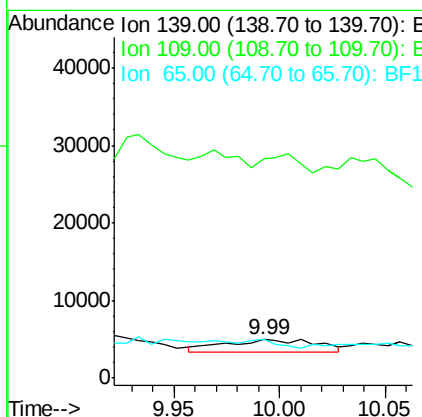
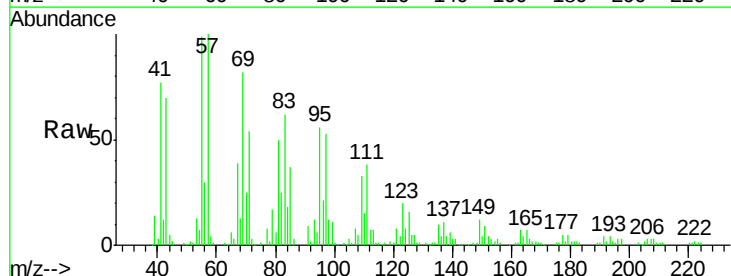
Instrument :
BNA_F
ClientSampleId :
GW

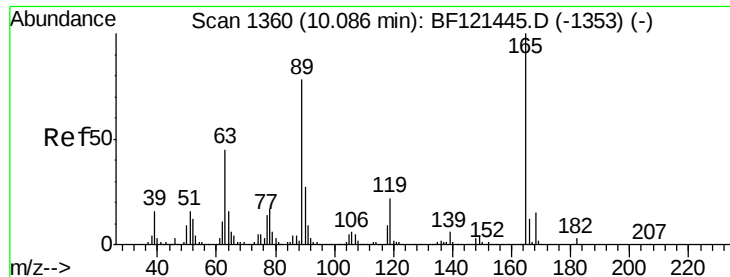
Tot Ion:138 Resp: 2666
Ion Ratio Lower Upper
138 100
108 82.6 8.7 13.1#
92 30.5 91.1 136.7#



#56
4-Nitrophenol
Concen: 8.494 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

Tgt Ion:139 Resp: 5119
Ion Ratio Lower Upper
139 100
109 570.9 44.3 84.3#
65 101.0 70.2 110.2

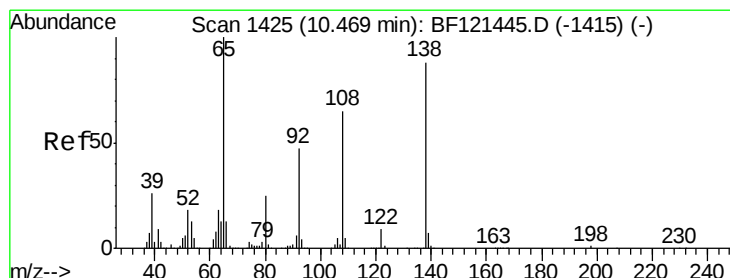
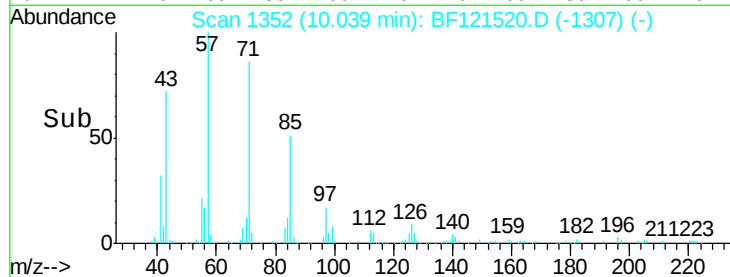
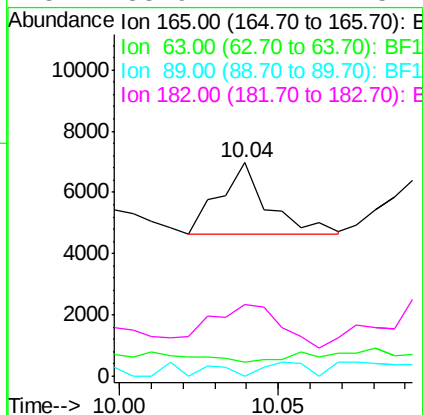
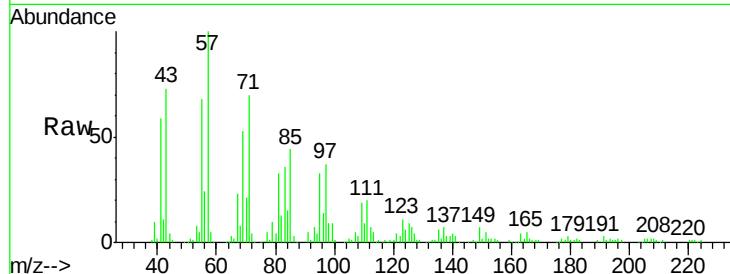




#57
 2,4-Dinitrotoluene
 Concen: 7.519 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.04 min
 Lab File: BF121520.D
 Acq: 2 Sep 2020 18:28

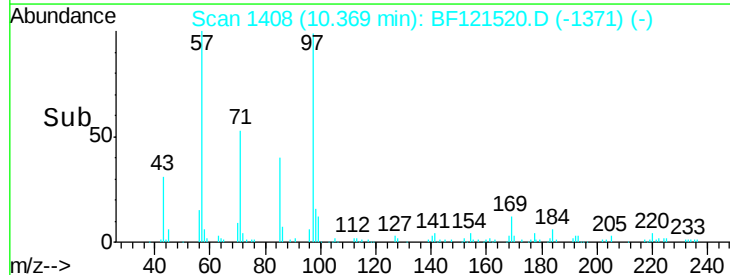
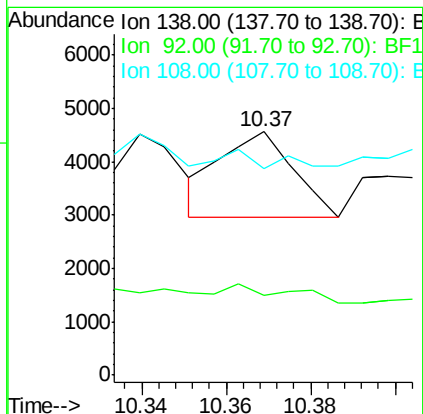
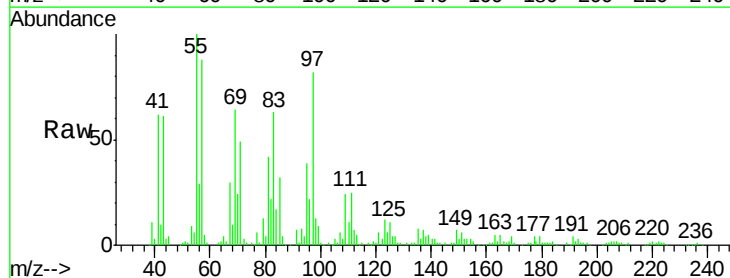
Instrument :
 BNA_F
 ClientSampleId :
 GW

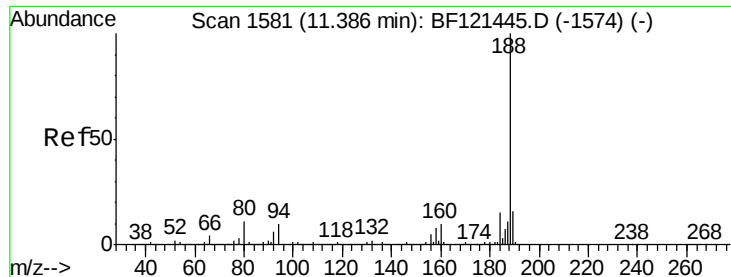
Tot Ion:165	Resp:	2482
Ion Ratio	Lower	Upper
165	100	
63	6.6	33.6 50.4#
89	0.0	56.4 84.6#
182	33.9	2.2 3.4#



#62
 4-Nitroaniline
 Concen: 4.725 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.08 min
 Lab File: BF121520.D
 Acq: 2 Sep 2020 18:28

Tgt Ion:138	Resp:	1918
Ion Ratio	Lower	Upper
138	100	
92	32.9	32.2 72.2
108	84.8	49.1 89.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

Instrument :

BNA_F

ClientSampled :

GW

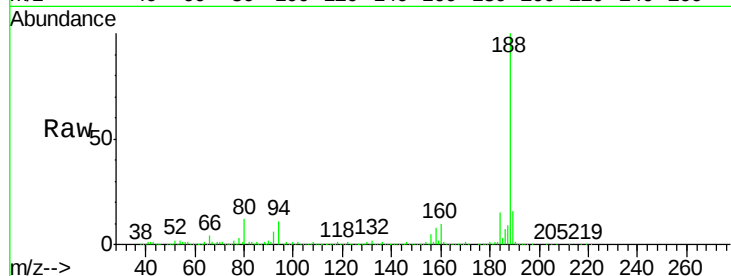
Tot Ion:188 Resp: 1014230

Ion Ratio Lower Upper

188 100

94 11.3 8.8 13.2

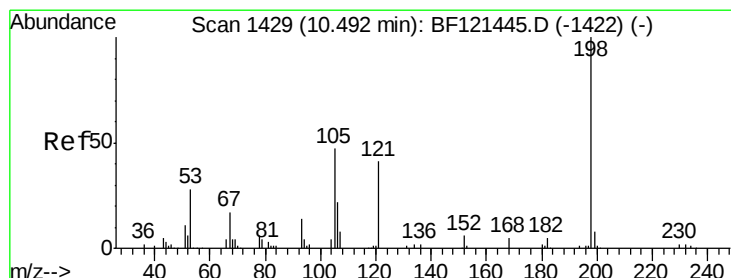
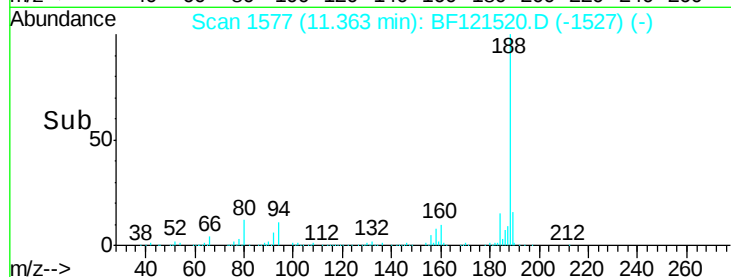
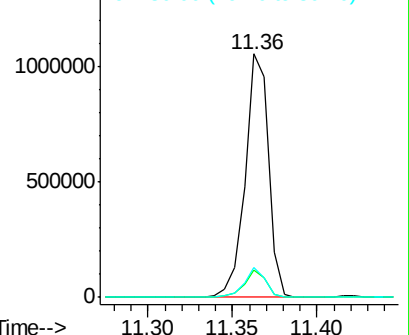
80 12.1 9.1 13.7



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: 5.612 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.04 min

Lab File: BF121520.D

Acq: 2 Sep 2020 18:28

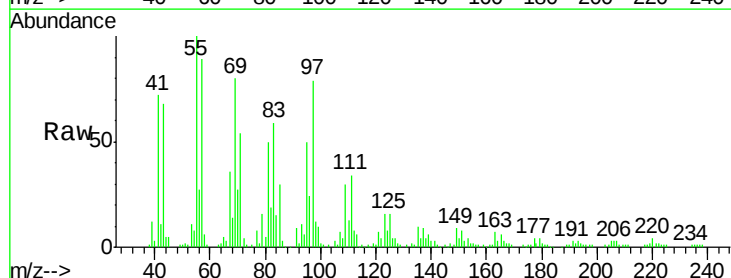
Tgt Ion:198 Resp: 384

Ion Ratio Lower Upper

198 100

51 325.4 24.9 64.9#

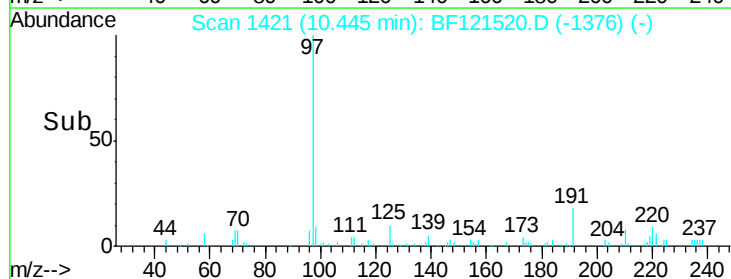
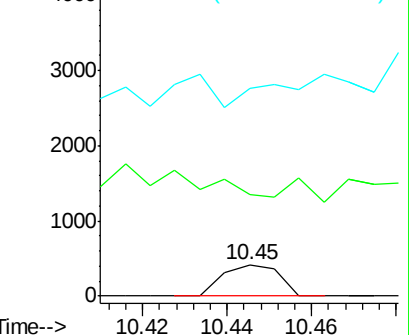
105 666.2 25.8 65.8#

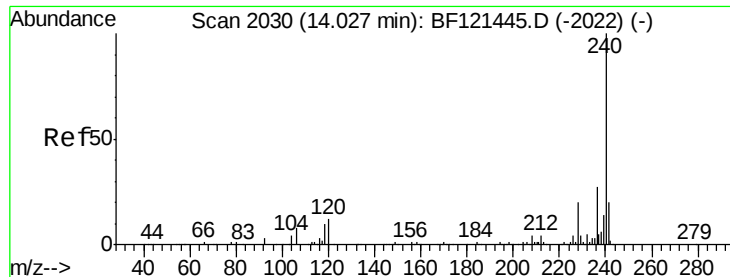


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

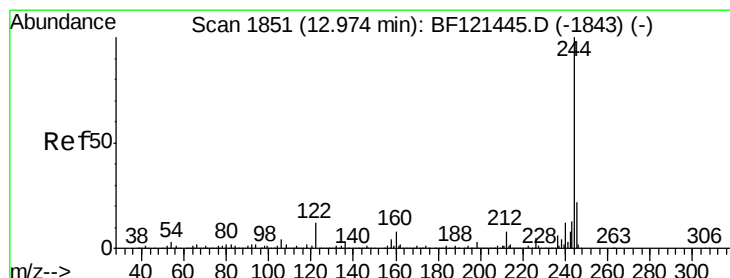
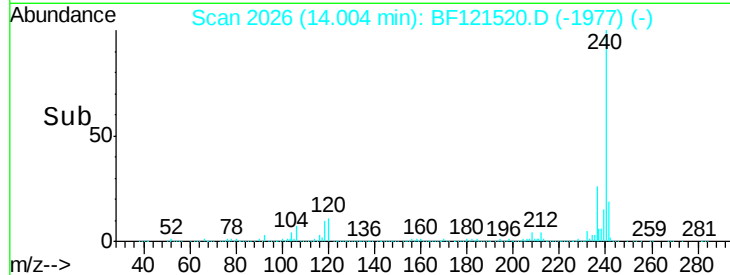
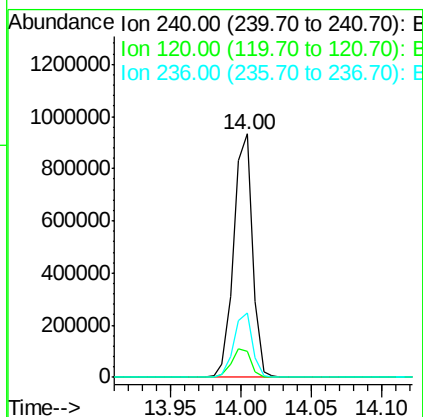
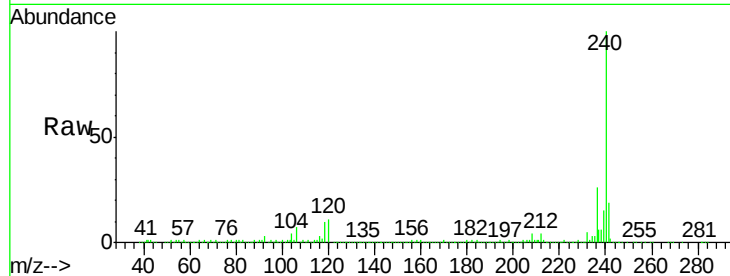




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF121520.D
 Acq: 2 Sep 2020 18:28

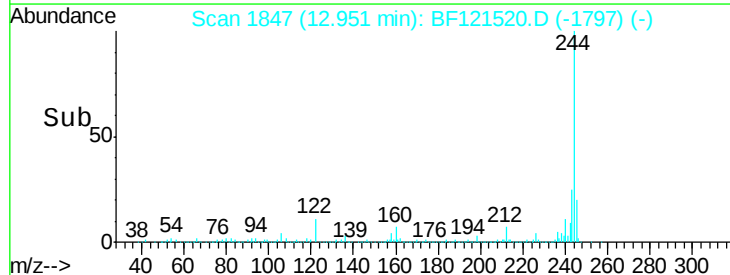
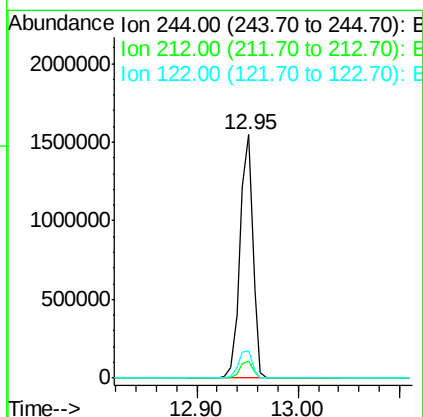
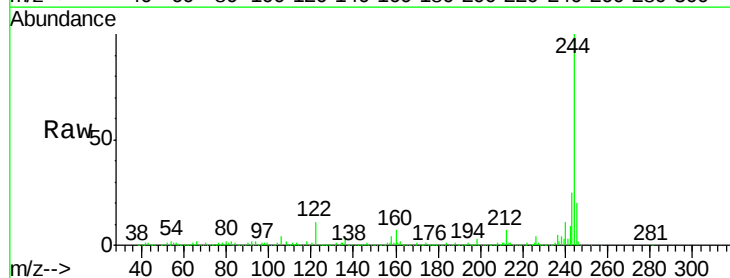
Instrument :
 BNA_F
 ClientSampleId :
 GW

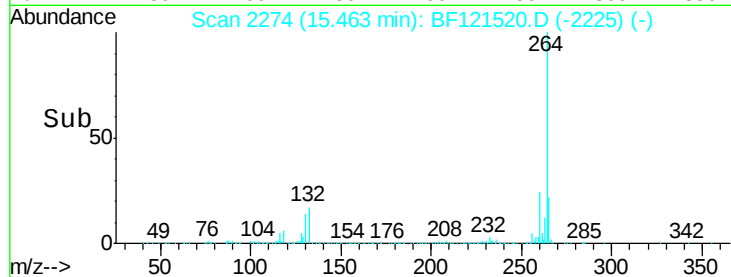
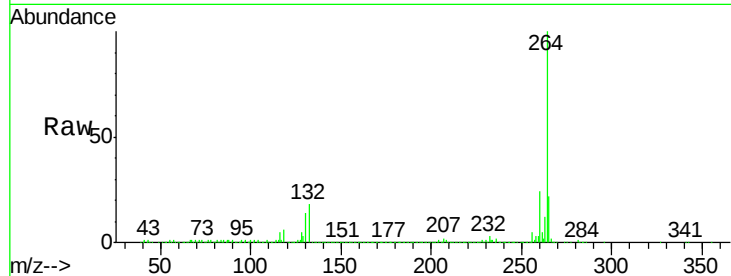
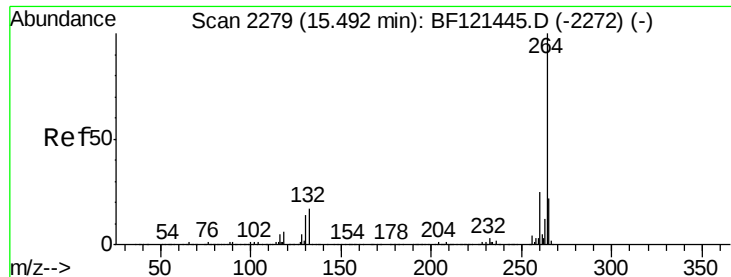
Tot Ion:240 Resp: 868897
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.0 12.0
 236 26.4 21.4 32.2



#79
 Terphenyl-d14
 Concen: 32.977 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF121520.D
 Acq: 2 Sep 2020 18:28

Tgt Ion:244 Resp: 1361254
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.3 9.3 13.9





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF121520.D
Acq: 2 Sep 2020 18:28

Instrument :
BNA_F
ClientSampleId :
GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	22.2	17.4	26.2

