

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121002.D
 Acq On : 24 Jul 2020 14:46
 Operator : JU/CG
 Sample : L3381-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 15:17:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	152318	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	552440	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	288421	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	505781	20.00	ng	0.00
76) Chrysene-d12	13.96	240	330612	20.00	ng	-0.01
86) Perylene-d12	15.41	264	378106	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	971216	104.53	ng	0.01
7) Phenol-d6	6.45	99	1027961	85.65	ng	0.00
23) Nitrobenzene-d5	7.37	82	806231	84.45	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	371345	117.62	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1466261	75.90	ng	0.00
79) Terphenyl-d14	12.92	244	1283067	84.36	ng	0.00

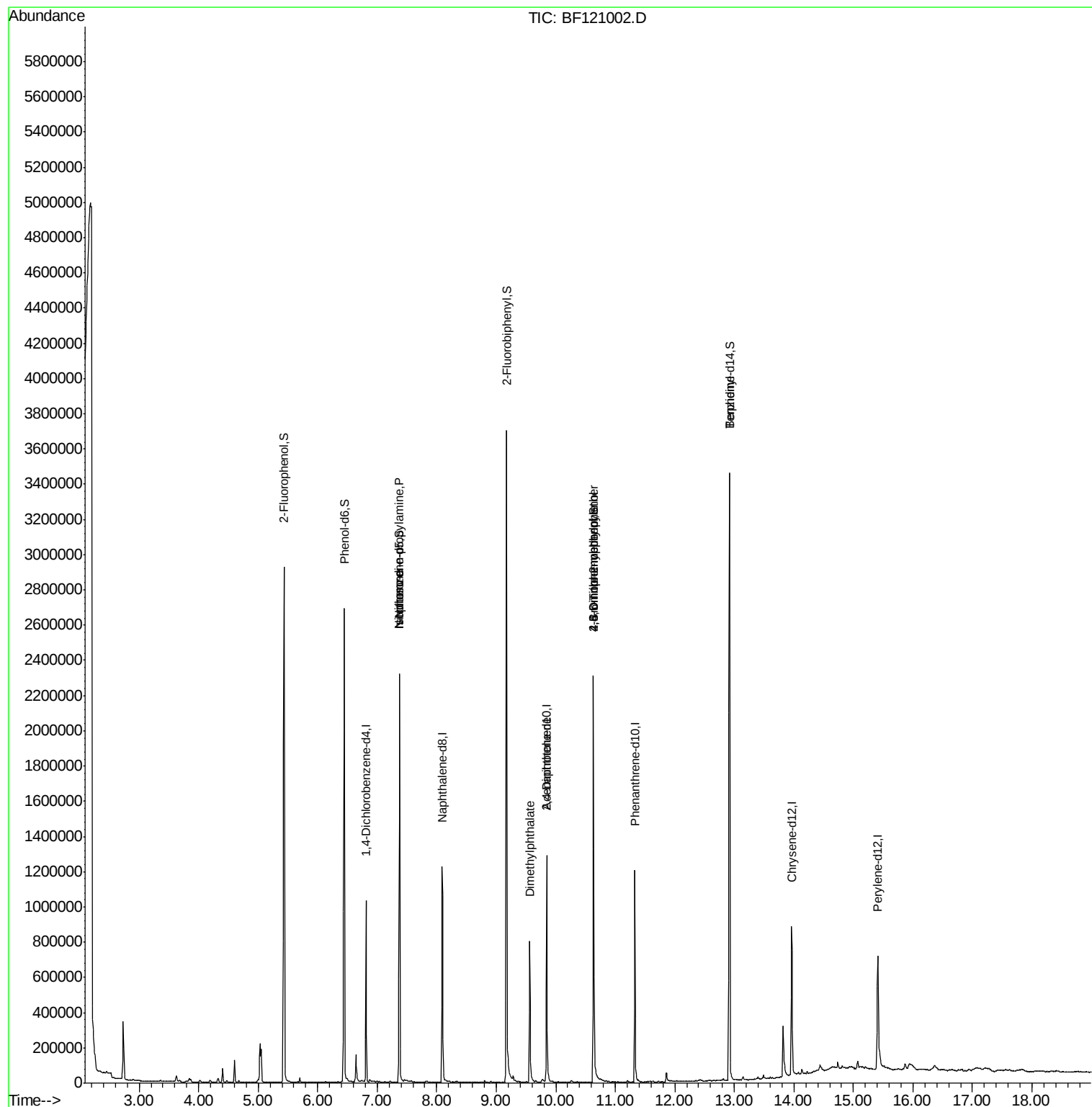
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	274	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	105315	15.431	ng	# 78
25) Isophorone	7.37	82	806219	42.311	ng	# 63
50) Dimethylphthalate	9.56	163	336134	16.154	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	36178	6.163	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.64	198	643	4.045	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	21774	3.861	ng	# 1
77) Benzidine	12.92	184	17491	2.012	ng	# 92

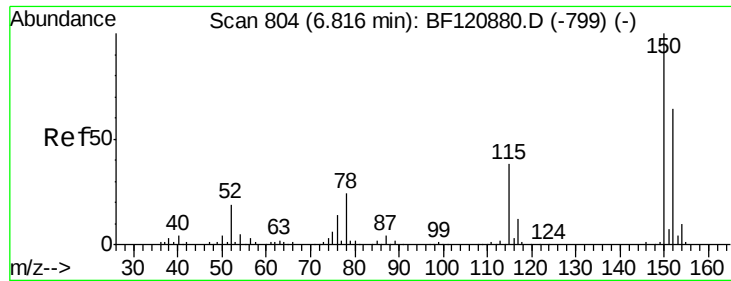
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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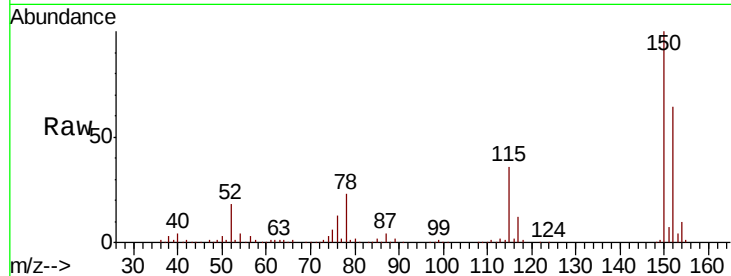


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121002.D
Acq: 24 Jul 2020 14:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.0	187.6
115	56.0	47.0	70.4

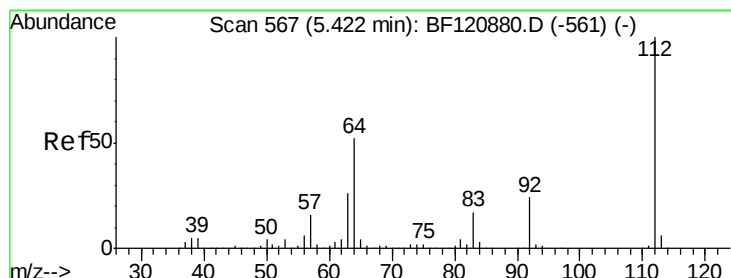
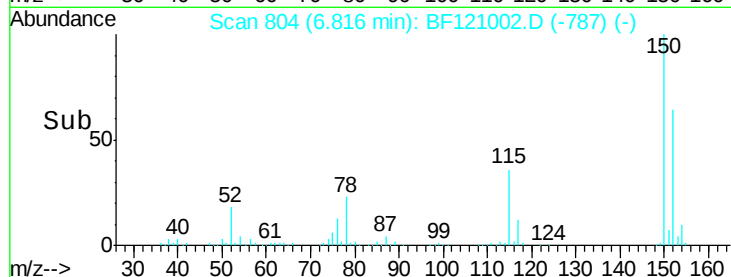
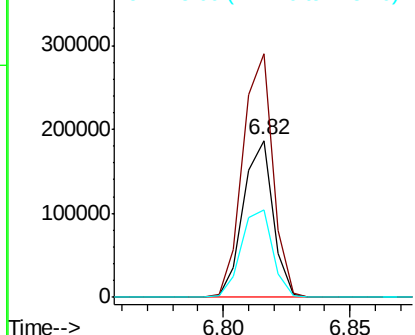


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

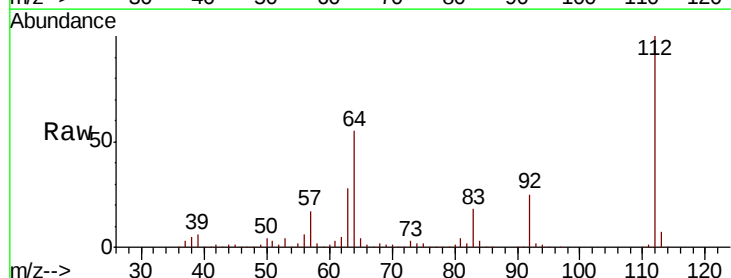
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.529 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121002.D
Acq: 24 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	41.3	61.9
63	28.1	21.1	31.7

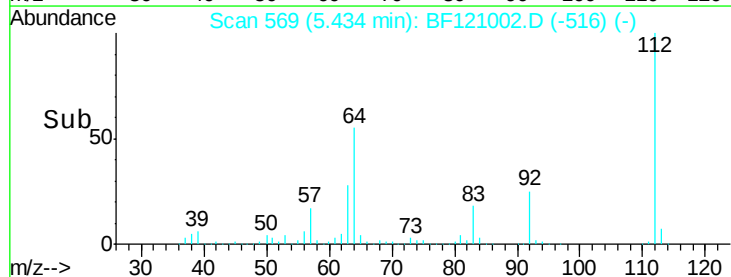
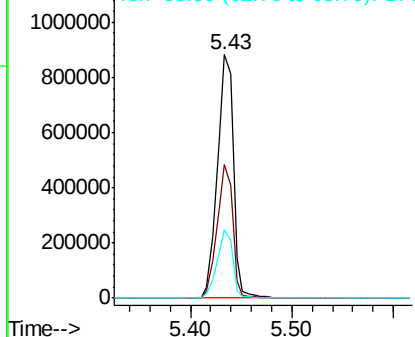


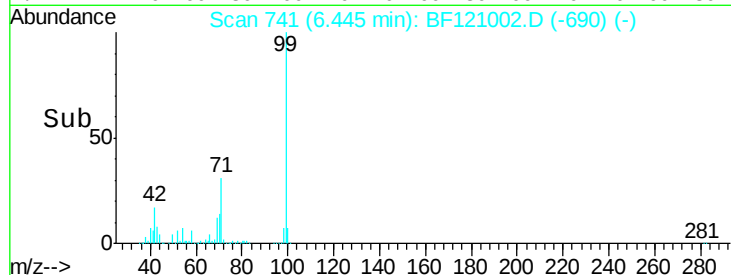
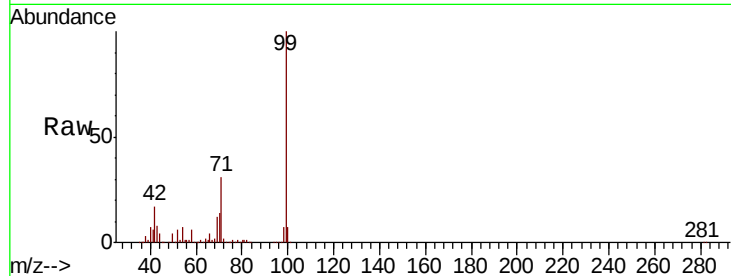
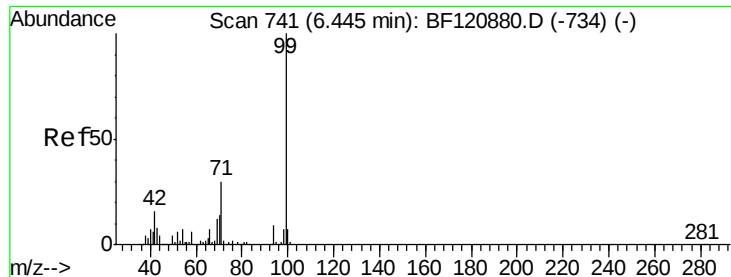
Abundance

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: 85.649 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

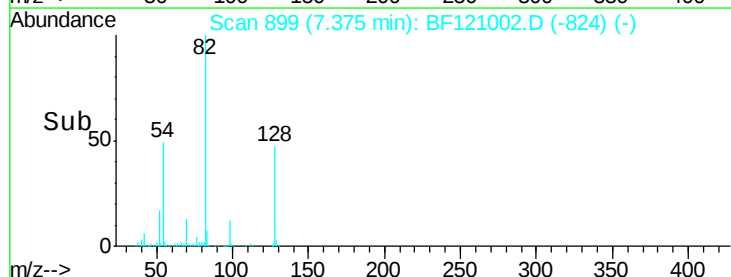
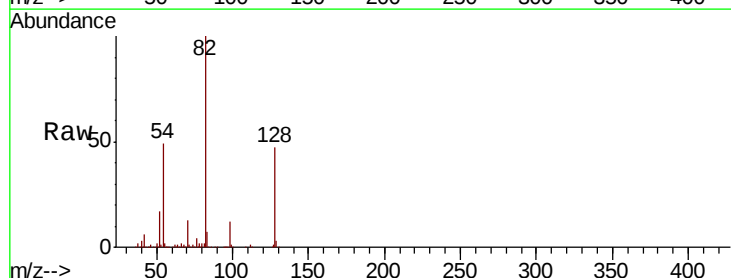
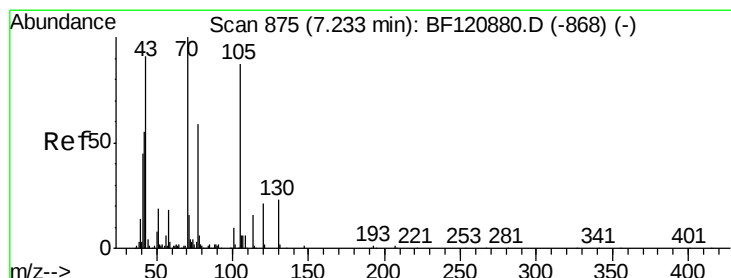
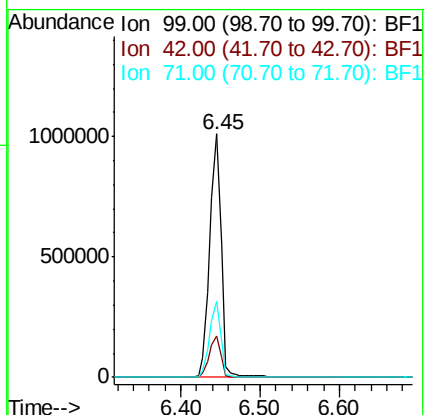
Tot Ion: 99 Resp: 1027961

Ion Ratio Lower Upper

99 100

42 16.7 13.1 19.7

71 31.2 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.431 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Tgt Ion: 70 Resp: 105315

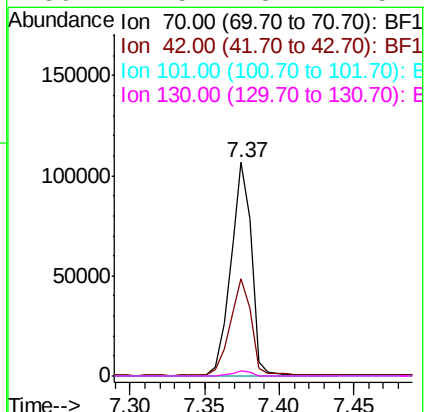
Ion Ratio Lower Upper

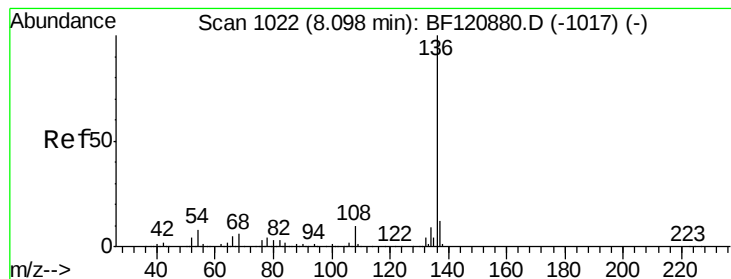
70 100

42 45.5 44.0 66.0

101 0.0 7.8 11.6#

130 2.5 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 552440

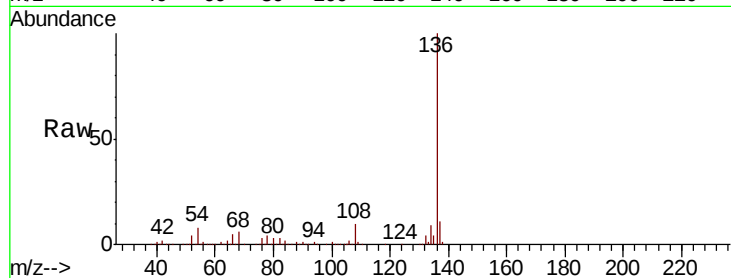
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 7.9 6.3 9.5

68 6.1 5.0 7.4

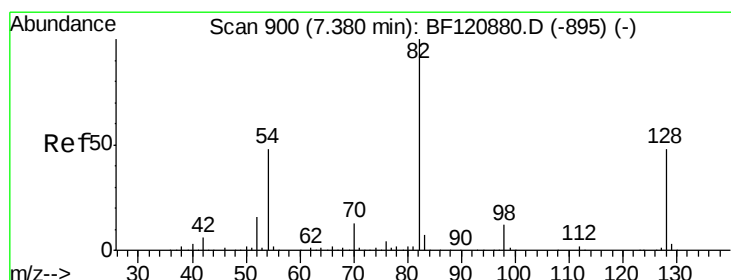
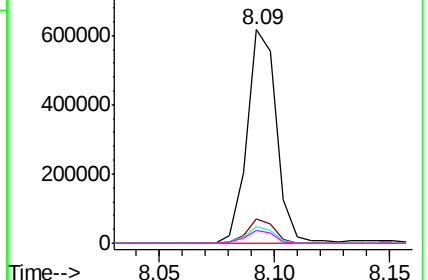
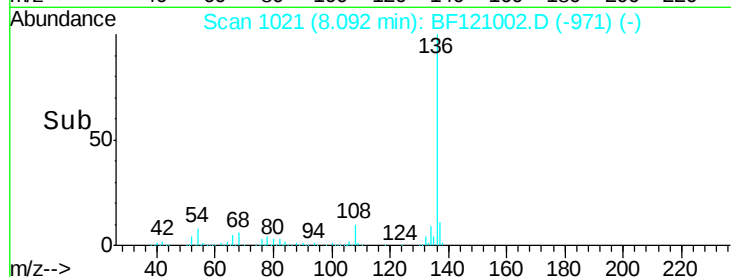


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.445 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

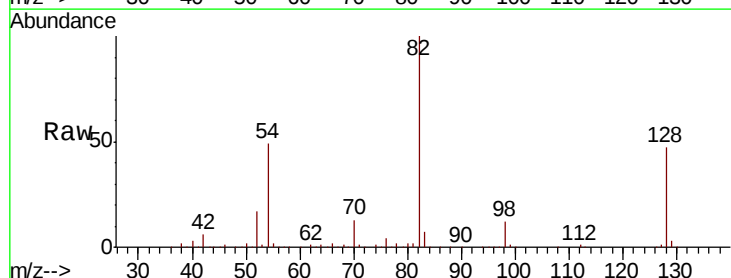
Tgt Ion: 82 Resp: 806231

Ion Ratio Lower Upper

82 100

128 46.6 38.2 57.4

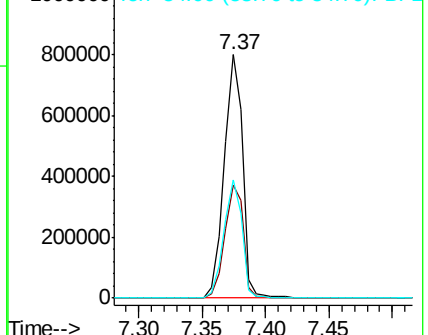
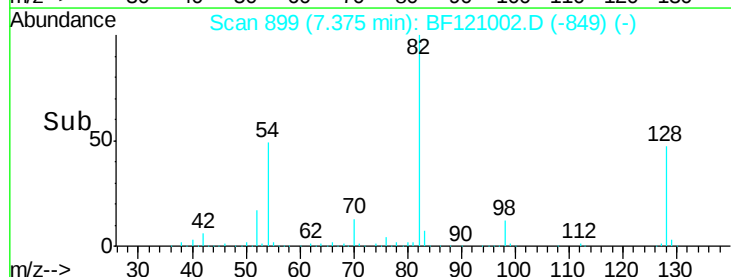
54 48.8 38.7 58.1

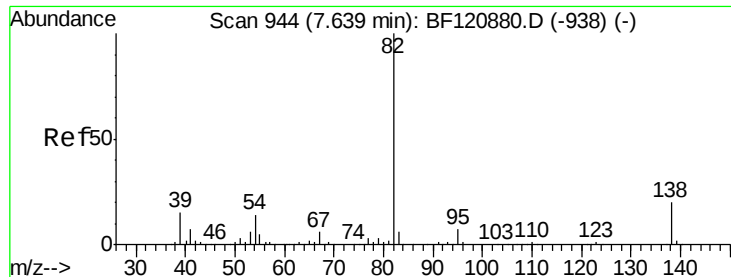


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.311 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

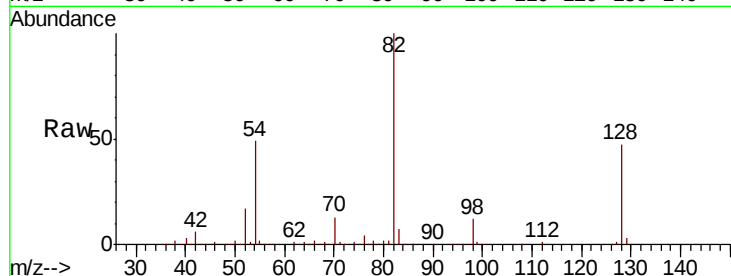
Tot Ion: 82 Resp: 806219

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

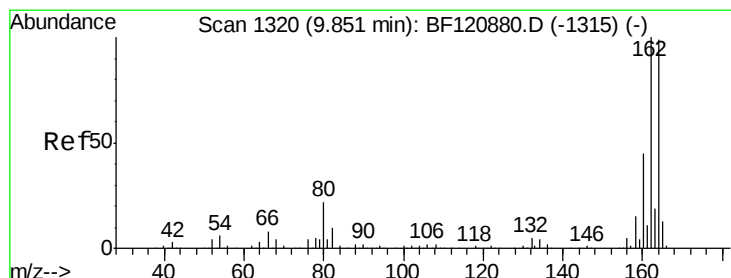
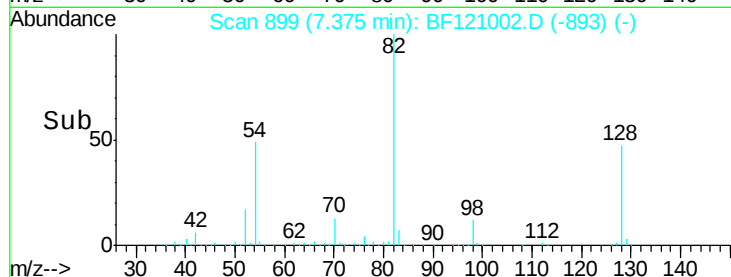
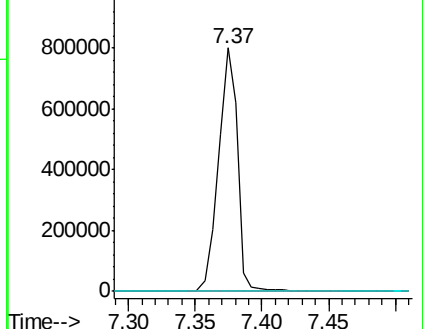
138 0.0 15.6 23.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

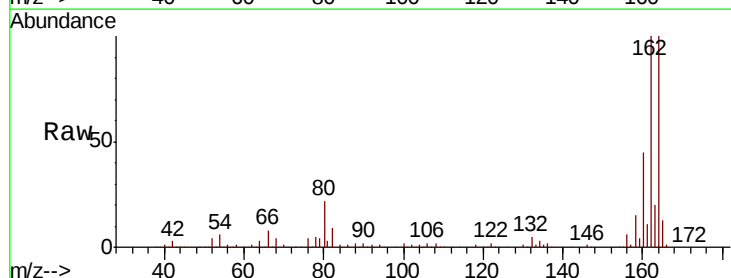
Tgt Ion: 164 Resp: 288421

Ion Ratio Lower Upper

164 100

162 99.7 81.2 121.8

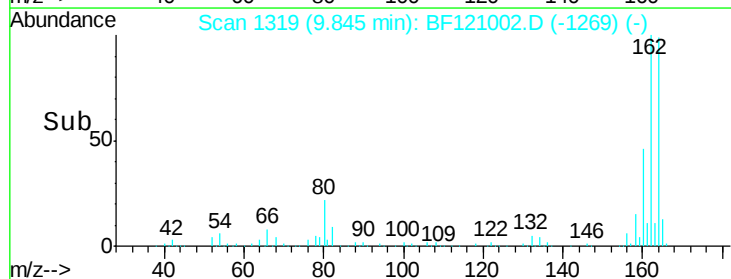
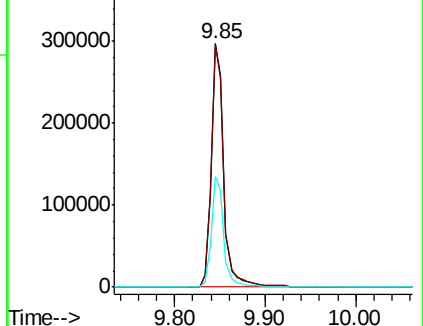
160 45.4 36.9 55.3

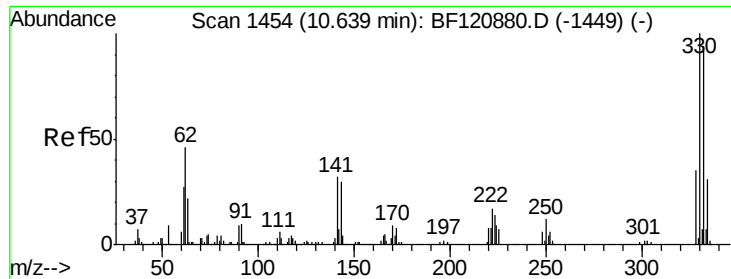


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

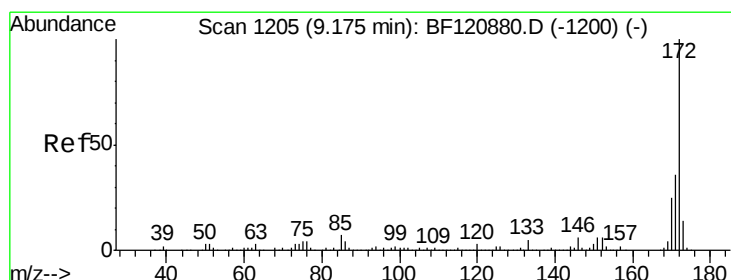
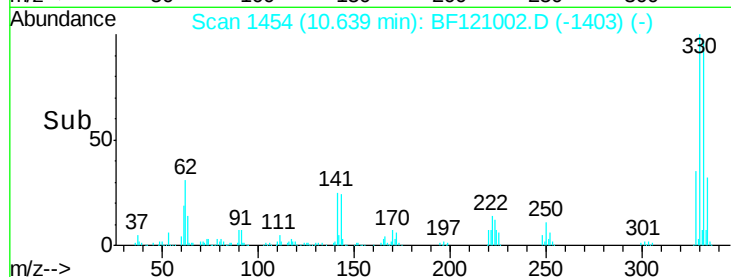
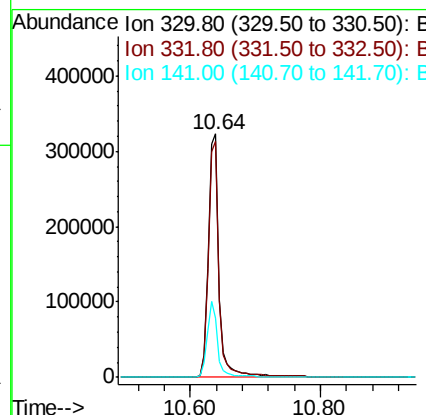
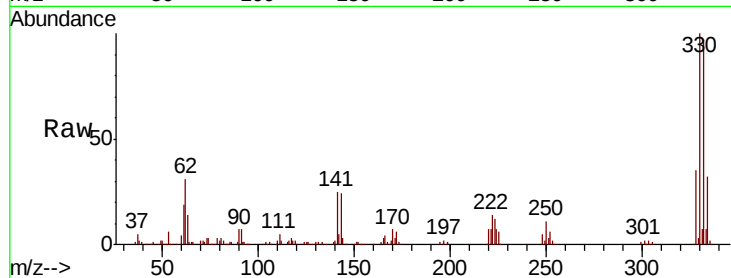




#42
 2,4,6-Tribromophenol
 Concen: 117.624 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121002.D
 Acq: 24 Jul 2020 14:46

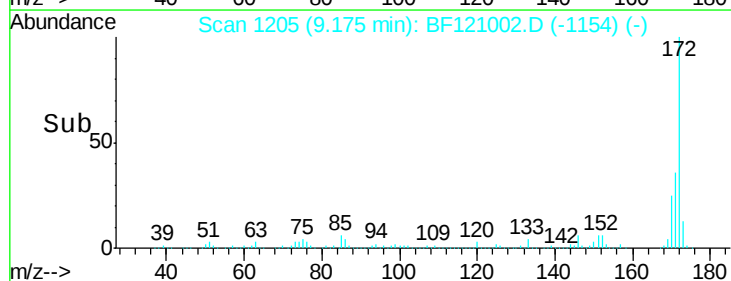
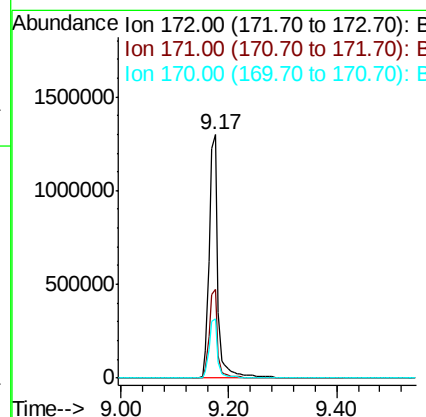
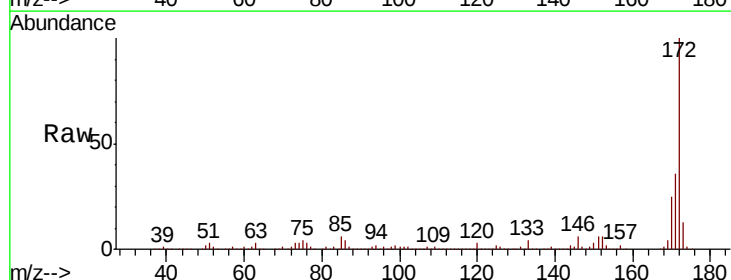
Instrument :
 BNA_F
 ClientSampleId :

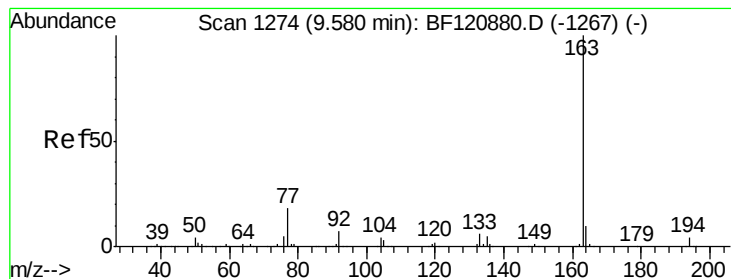
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.5	113.3
141	31.1	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 75.903 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF121002.D
 Acq: 24 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.6	19.6	29.4





#50

Dimethylphthalate

Concen: 16.154 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

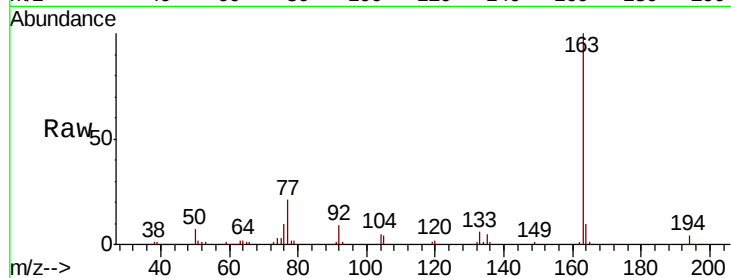
Tot Ion:163 Resp: 336134

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

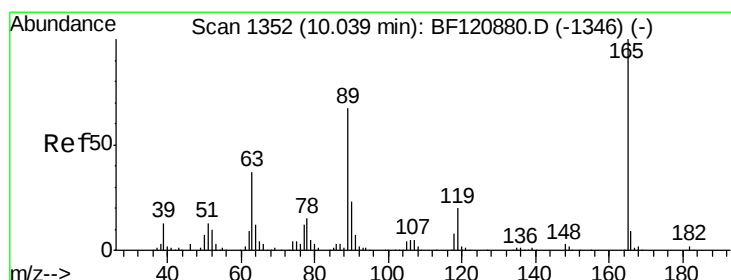
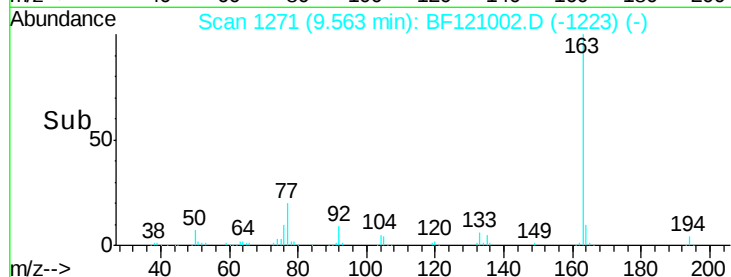
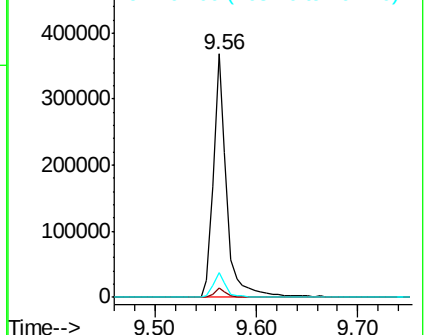
164 10.4 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.163 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Tgt Ion:165 Resp: 36178

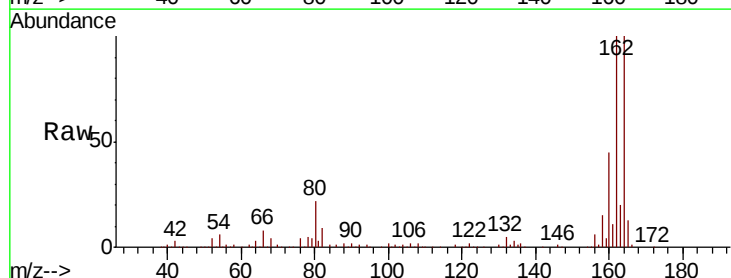
Ion Ratio Lower Upper

165 100

63 1.3 29.4 44.2#

89 1.3 53.4 80.0#

182 0.0 1.8 2.6#

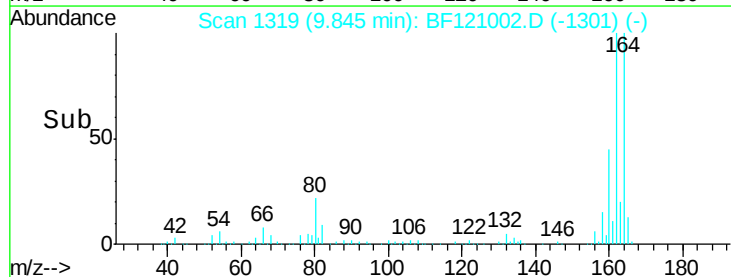
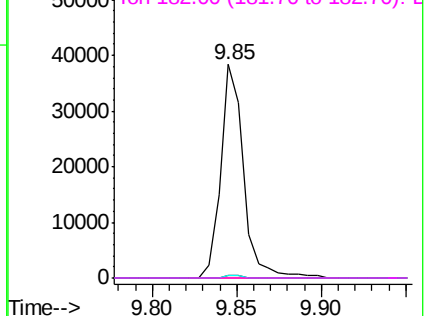


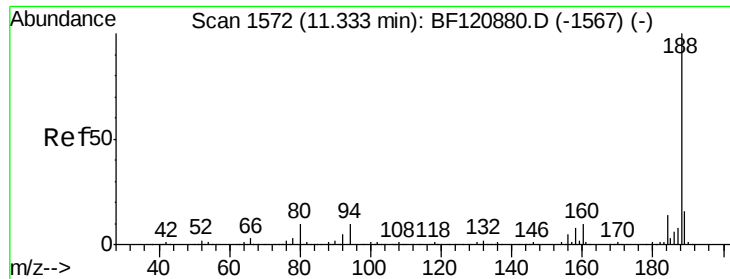
Abundance Ion 165.00 (164.70 to 165.70): E

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

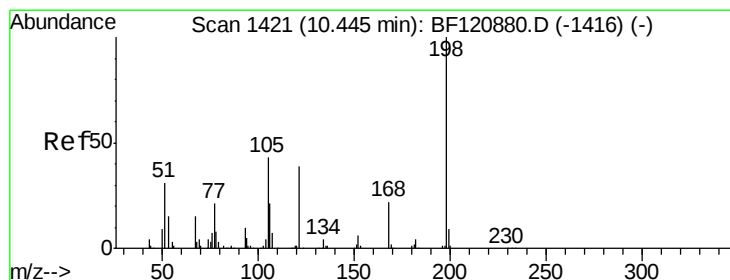
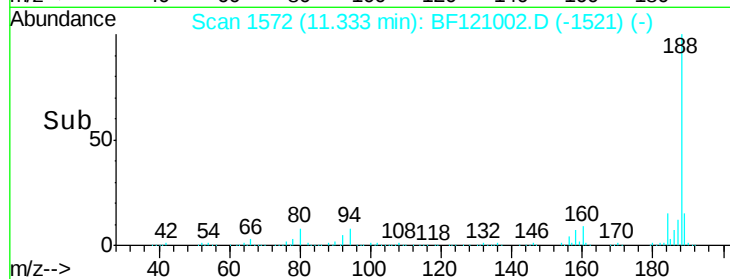
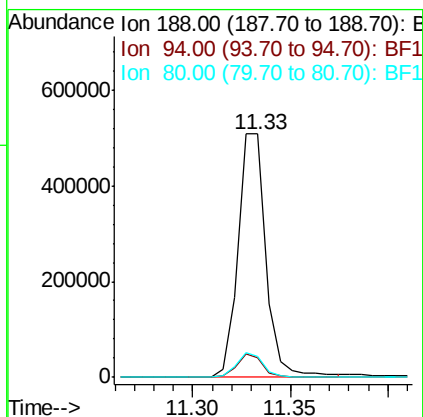
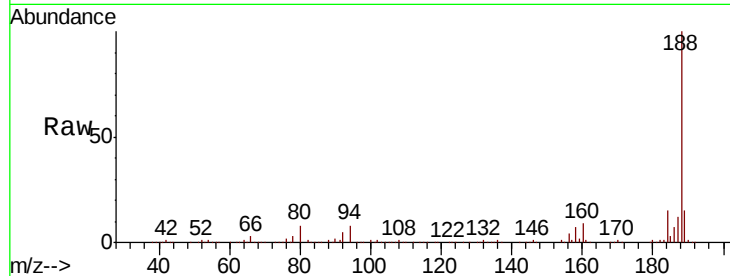




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF121002.D
 Acq: 24 Jul 2020 14:46

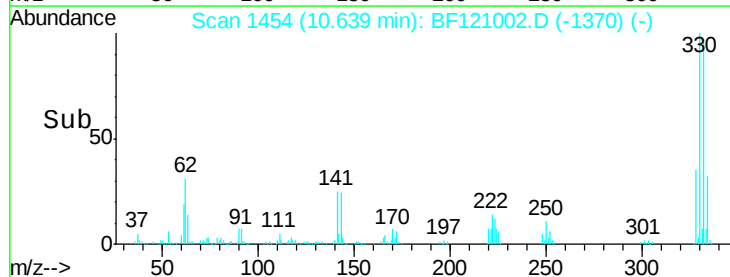
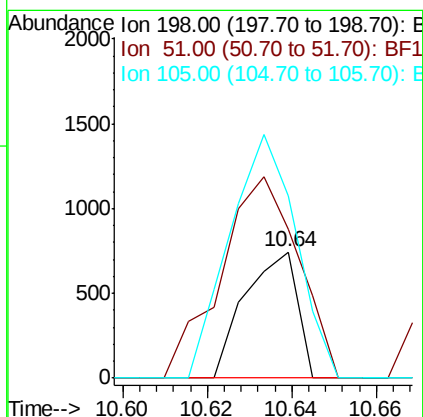
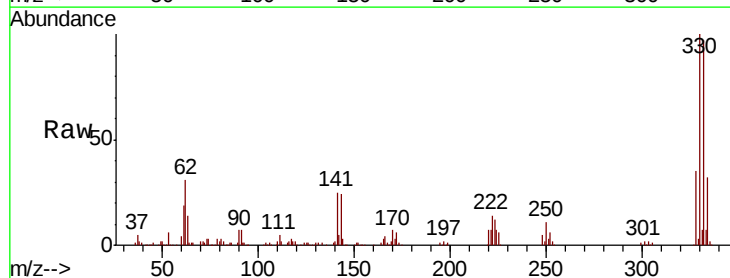
Instrument :
 BNA_F
 ClientSampleId :

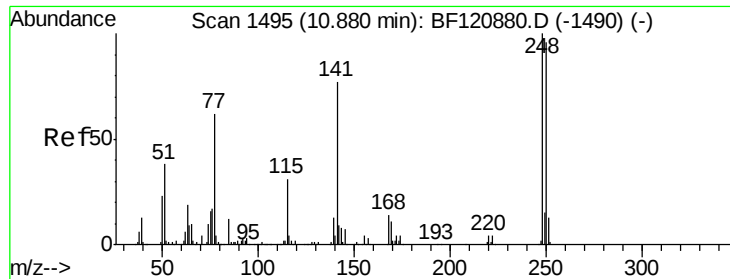
Tot Ion:188 Resp: 505781
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.0 12.0#
 80 8.4 8.3 12.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.045 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF121002.D
 Acq: 24 Jul 2020 14:46

Tgt Ion:198 Resp: 643
 Ion Ratio Lower Upper
 198 100
 51 118.0 19.5 59.5#
 105 144.1 24.4 64.4#

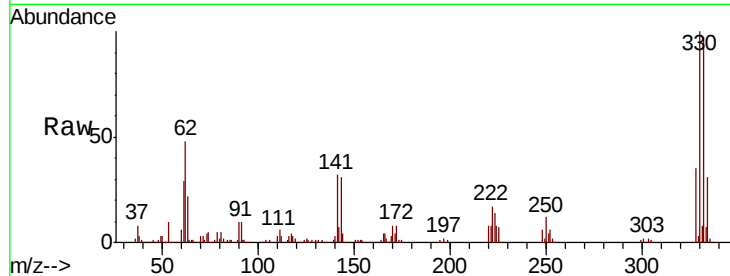




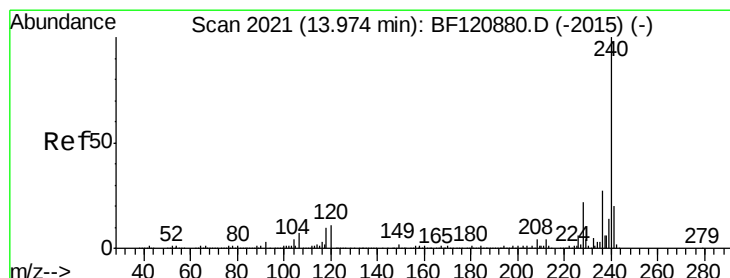
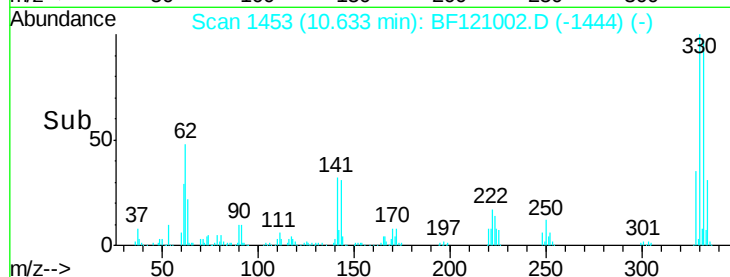
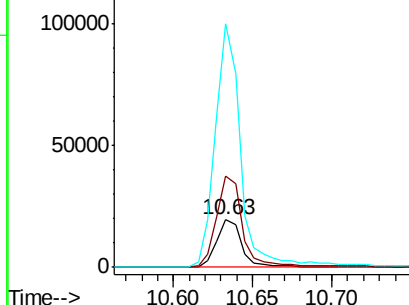
#67
4-Bromophenyl-phenylether
Concen: 3.861 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121002.D
Acq: 24 Jul 2020 14:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 21774
Ion Ratio Lower Upper
248 100
250 191.2 77.1 115.7#
141 511.2 61.2 91.8#

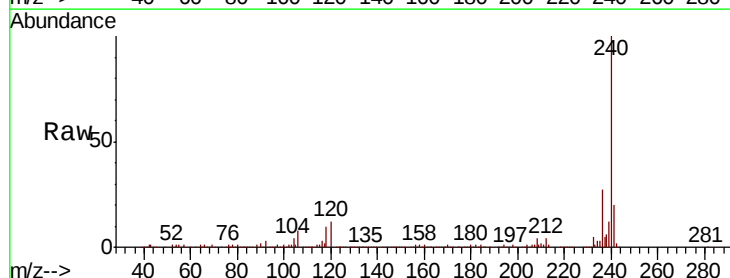


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

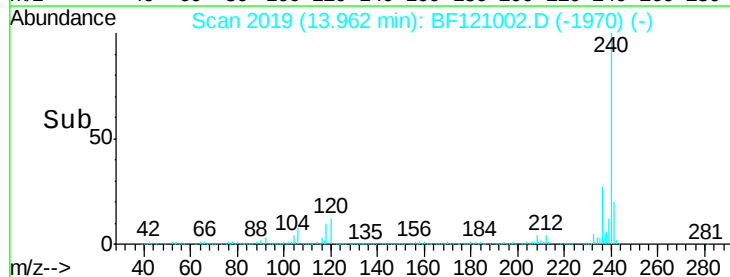
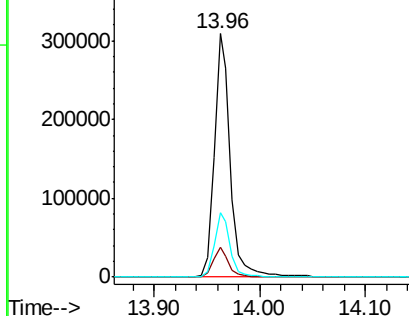


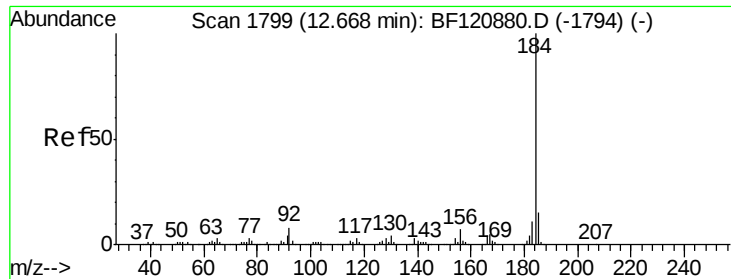
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121002.D
Acq: 24 Jul 2020 14:46

Tgt Ion:240 Resp: 330612
Ion Ratio Lower Upper
240 100
120 12.4 9.0 13.4
236 26.7 21.7 32.5



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: 2.012 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

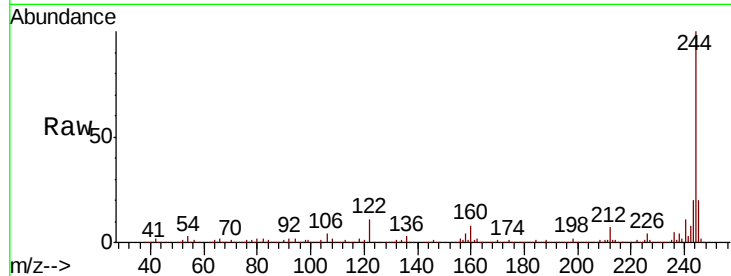
Tot Ion:184 Resp: 17491

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

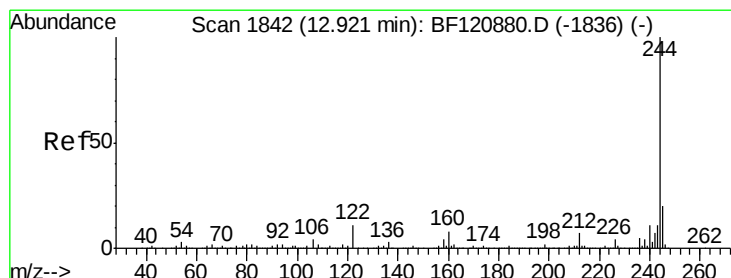
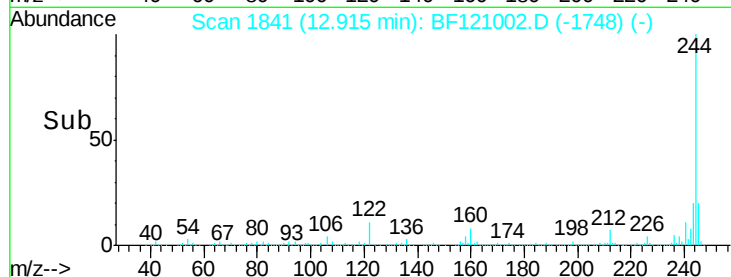
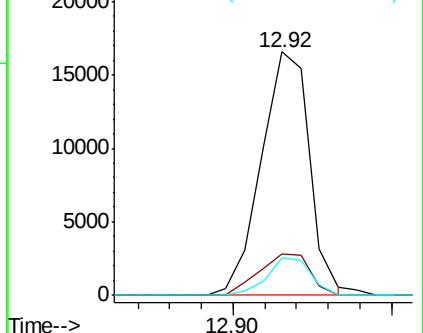
183 15.5 8.5 12.7#



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: 84.362 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

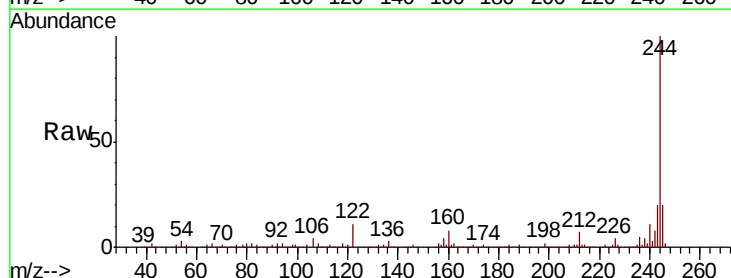
Tgt Ion:244 Resp: 1283067

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

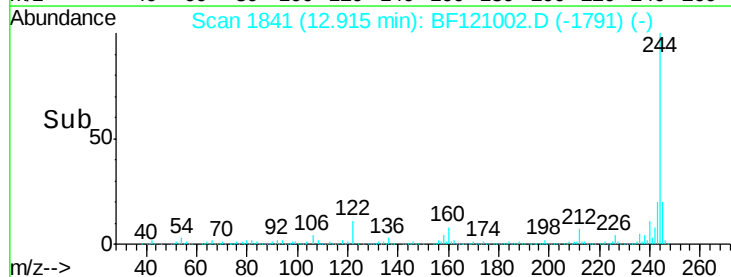
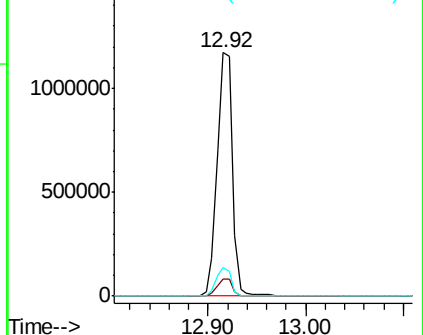
122 11.5 8.9 13.3

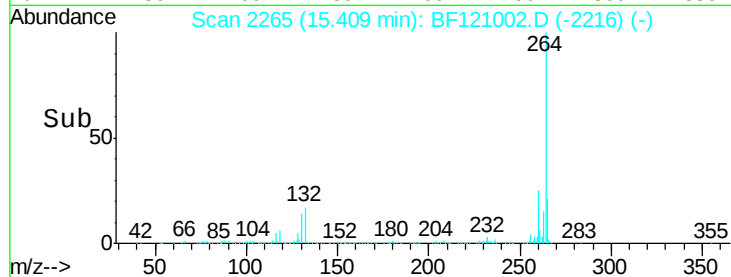
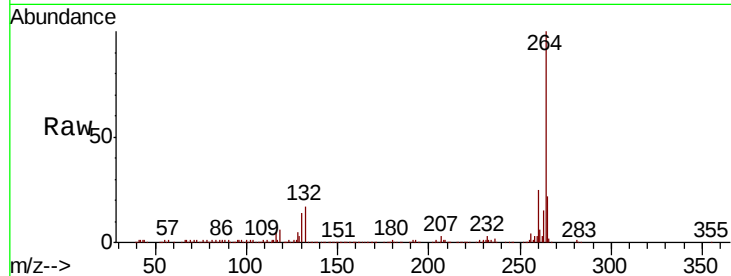
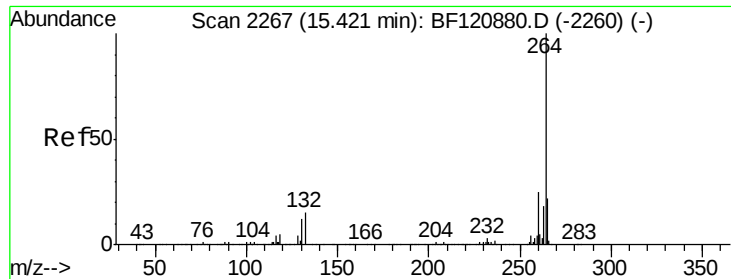


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF121002.D

Acq: 24 Jul 2020 14:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 378106

Ion Ratio Lower Upper

264 100

260 24.6 20.0 30.0

265 21.7 17.4 26.2

