

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121003.D
 Acq On : 24 Jul 2020 15:16
 Operator : JU/CG
 Sample : L3381-12RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 16:24:52 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

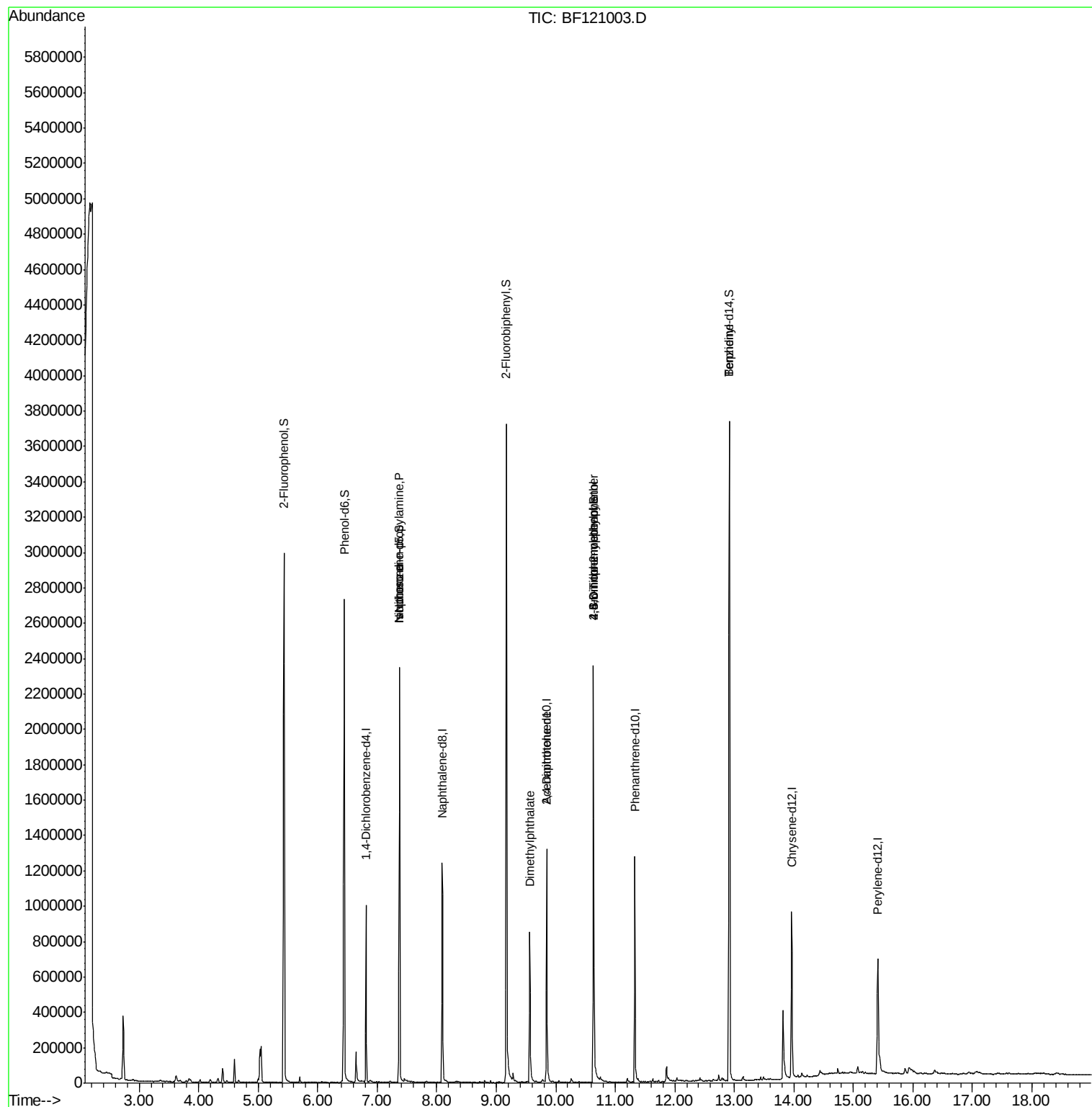
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	153889	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	555211	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	297481	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	534150	20.00	ng	0.00
76) Chrysene-d12	13.96	240	350234	20.00	ng	-0.01
86) Perylene-d12	15.41	264	384346	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	986907	105.13	ng	0.01
7) Phenol-d6	6.45	99	1057615	87.22	ng	0.00
23) Nitrobenzene-d5	7.37	82	821009	85.56	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	394088	121.03	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1486936	74.63	ng	0.00
79) Terphenyl-d14	12.92	244	1369521	85.00	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1567	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	108779	15.776	ng	# 78
25) Isophorone	7.37	82	821002	42.872	ng	# 63
50) Dimethylphthalate	9.56	163	369554	17.219	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	37601	6.210	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	672	4.043	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	22689	3.810	ng	# 1
77) Benzidine	12.92	184	19027	2.066	ng	# 95

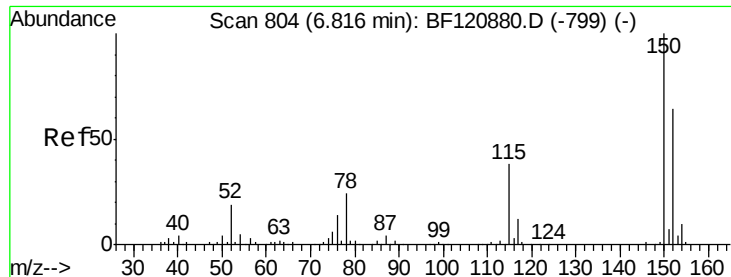
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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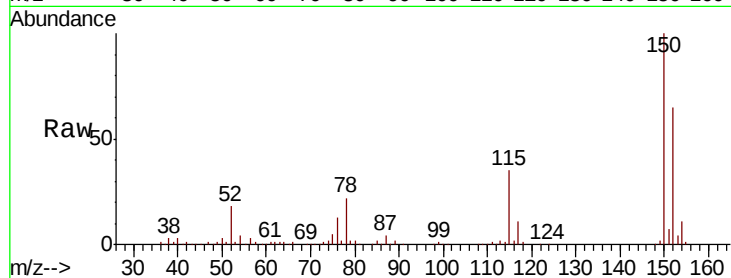


#1

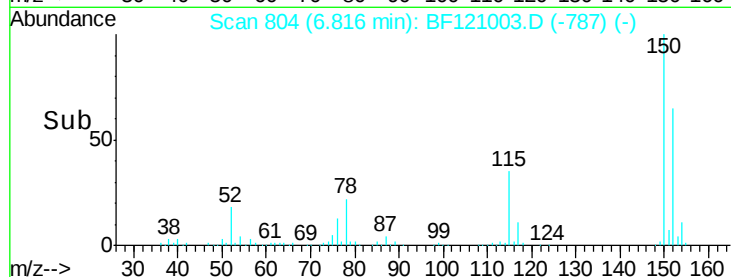
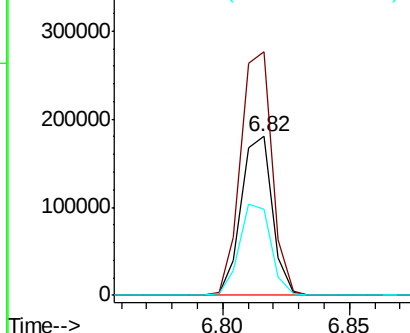
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121003.D
Acq: 24 Jul 2020 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153889
Ion Ratio Lower Upper
152 100
150 153.0 125.0 187.6
115 54.2 47.0 70.4



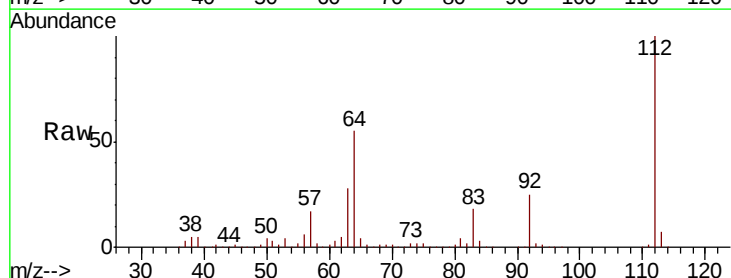
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



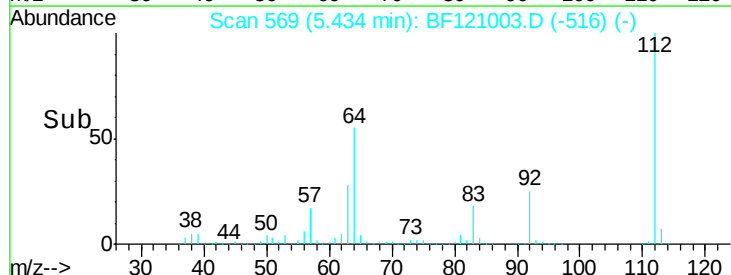
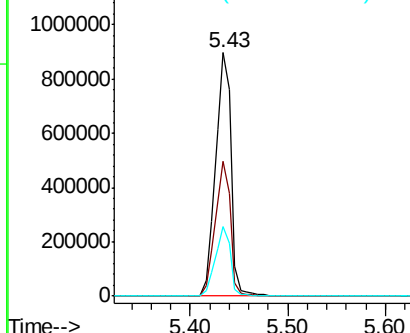
#5

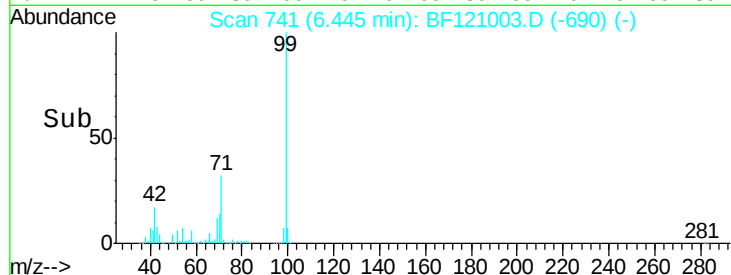
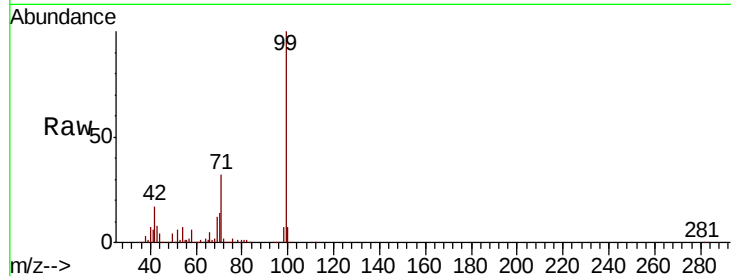
2-Fluorophenol
Concen: 105.134 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121003.D
Acq: 24 Jul 2020 15:16

Tgt Ion:112 Resp: 986907
Ion Ratio Lower Upper
112 100
64 55.2 41.3 61.9
63 28.4 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: 87.220 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampled :

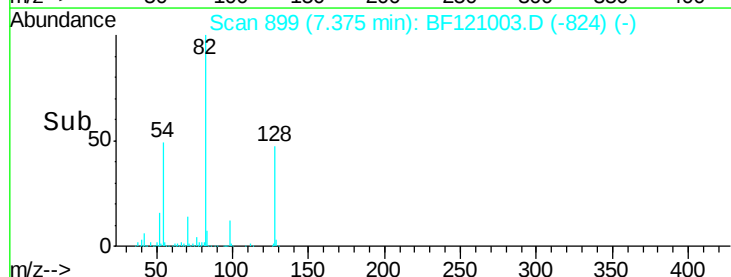
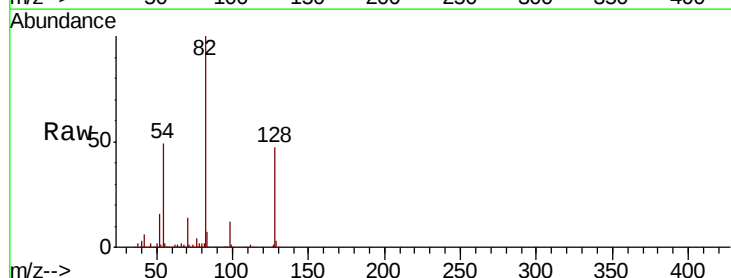
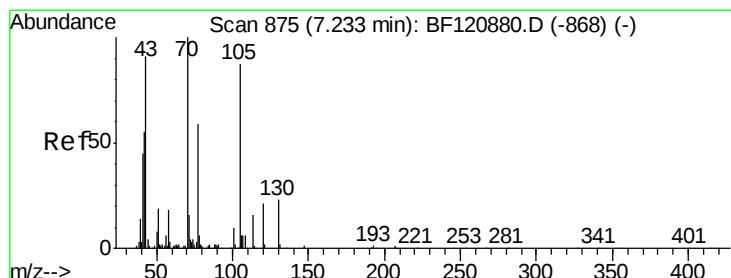
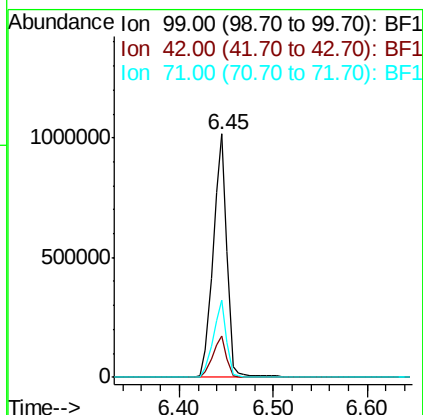
Tot Ion: 99 Resp: 1057615

Ion Ratio Lower Upper

99 100

42 16.9 13.1 19.7

71 31.8 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.776 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Tgt Ion: 70 Resp: 108779

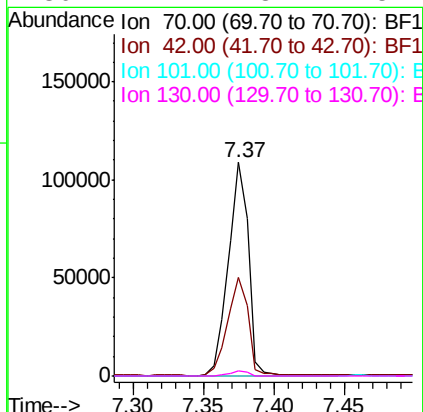
Ion Ratio Lower Upper

70 100

42 46.0 44.0 66.0

101 0.0 7.8 11.6#

130 2.4 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: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 555211

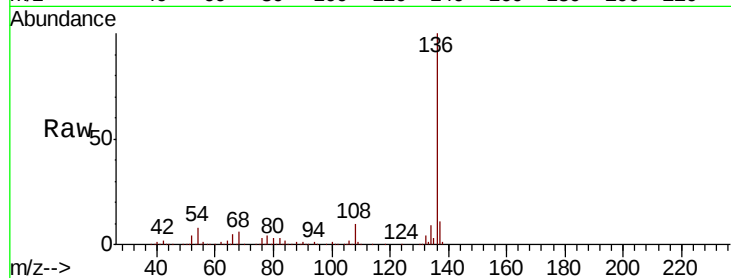
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.6 6.3 9.5

68 6.5 5.0 7.4

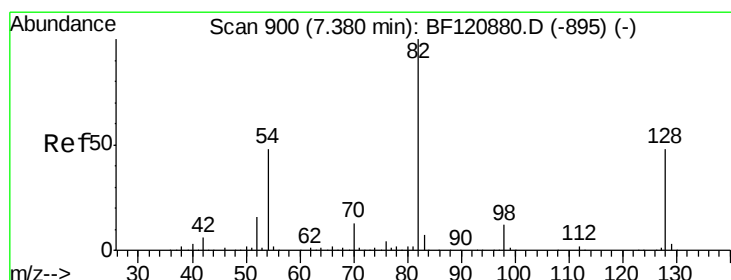
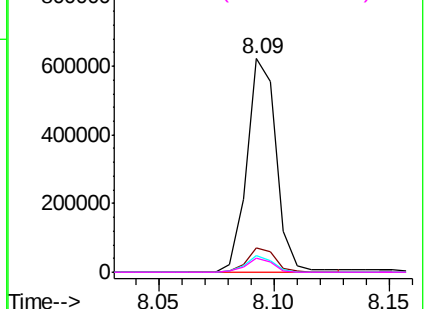
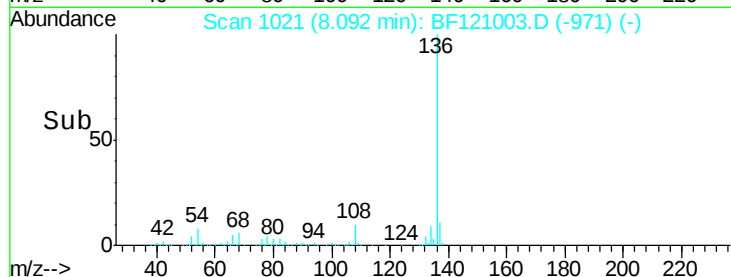


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.564 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

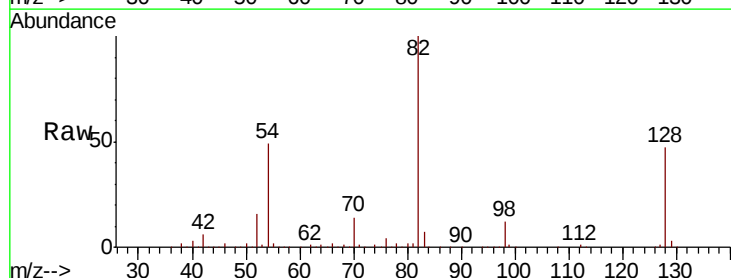
Tgt Ion: 82 Resp: 821009

Ion Ratio Lower Upper

82 100

128 47.5 38.2 57.4

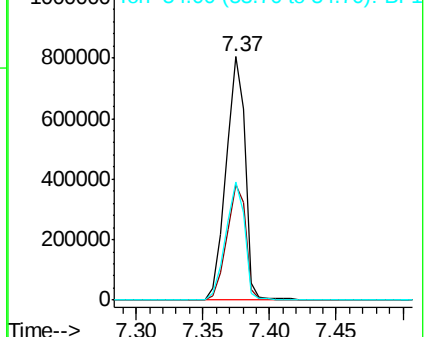
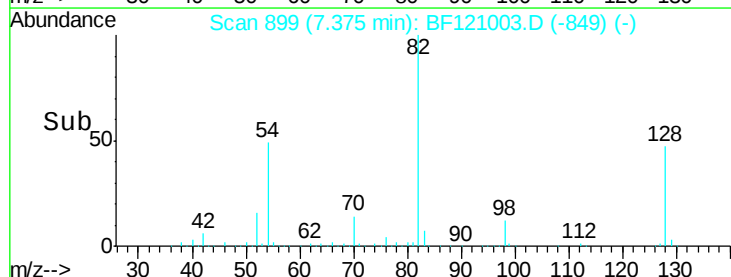
54 48.7 38.7 58.1



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: 42.872 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampled :

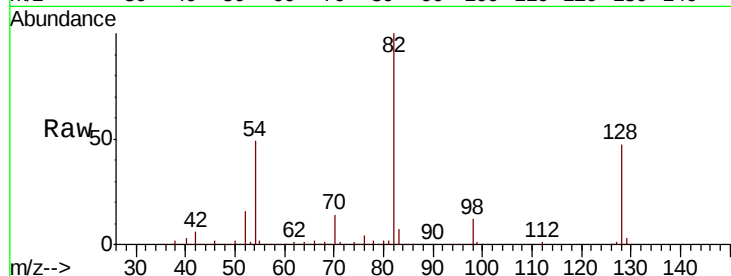
Tot Ion: 82 Resp: 821002

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

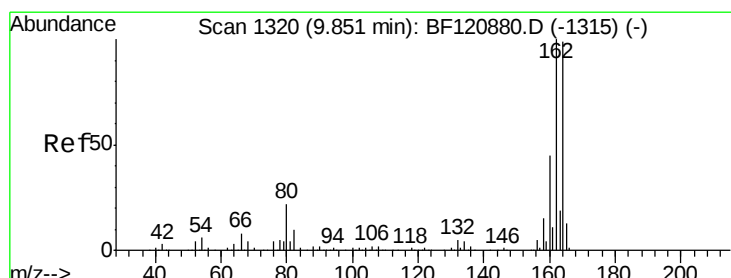
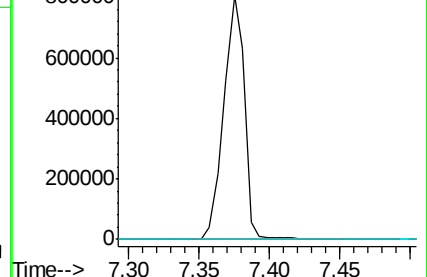
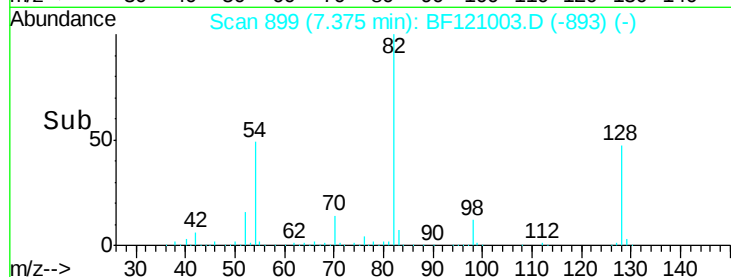
138 0.0 15.6 23.4#



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: BF121003.D

Acq: 24 Jul 2020 15:16

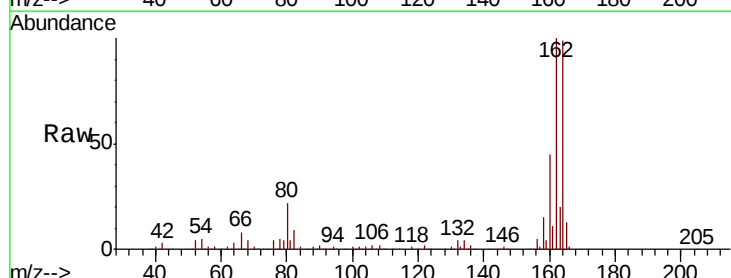
Tgt Ion: 164 Resp: 297481

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

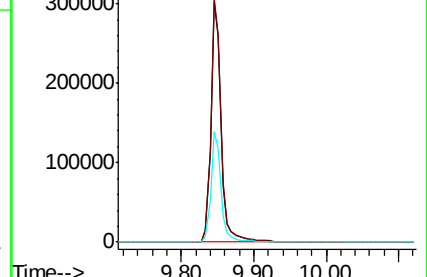
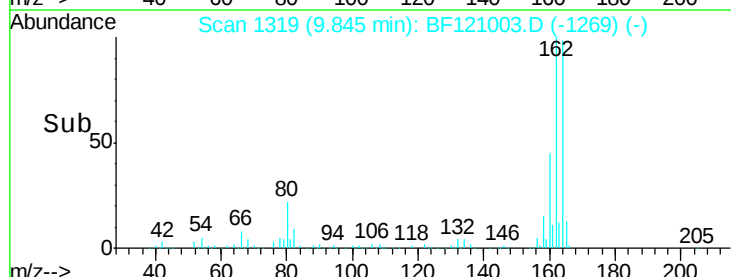
160 45.8 36.9 55.3



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: 121.026 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampleId :

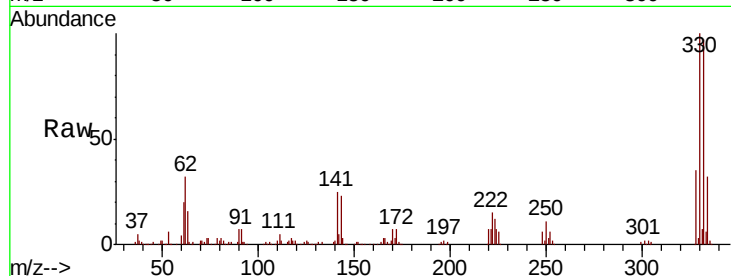
Tot Ion:330 Resp: 394088

Ion Ratio Lower Upper

330 100

332 95.0 75.5 113.3

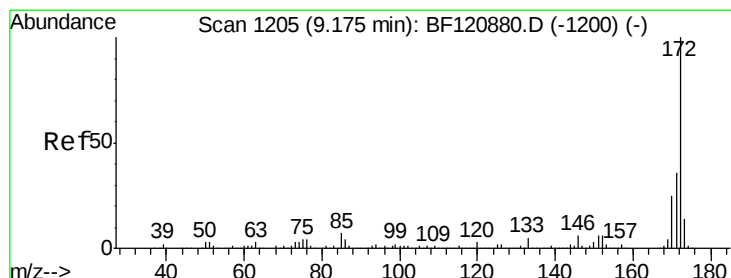
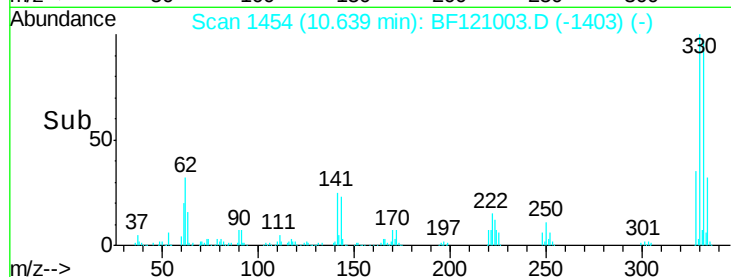
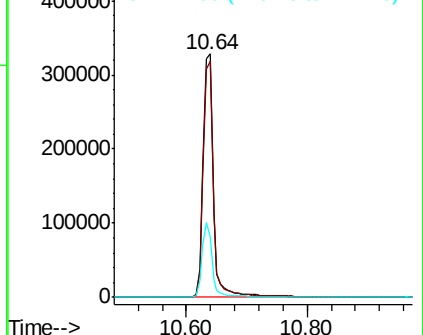
141 30.0 25.7 38.5



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: 74.629 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

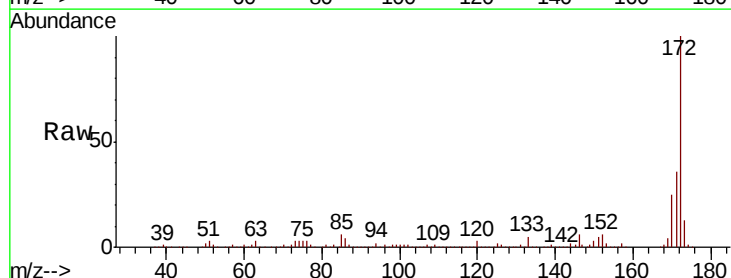
Tgt Ion:172 Resp: 1486936

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

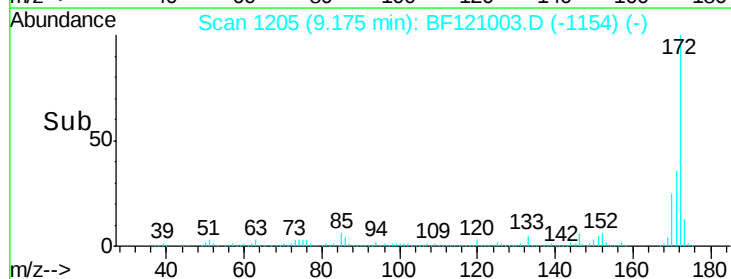
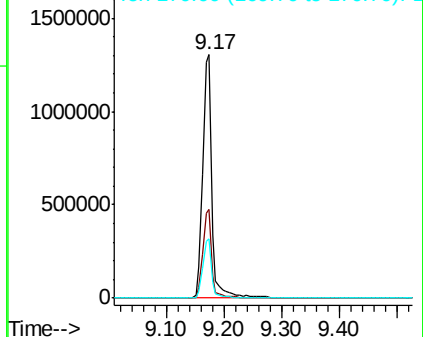
170 24.5 19.6 29.4

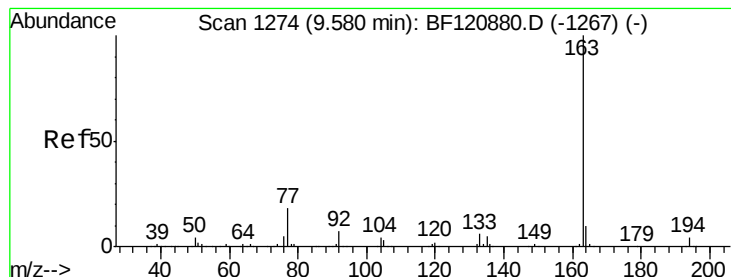


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 17.219 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampleId :

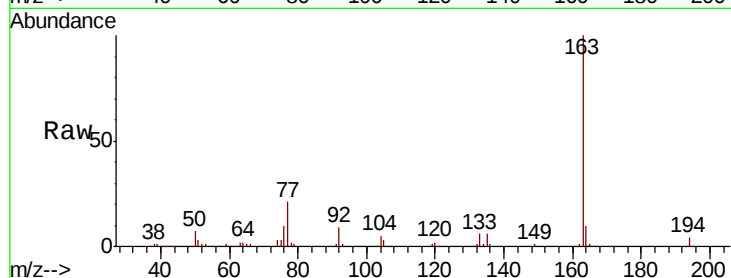
Tot Ion:163 Resp: 369554

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

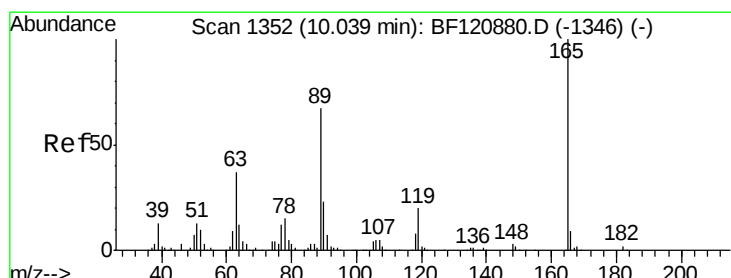
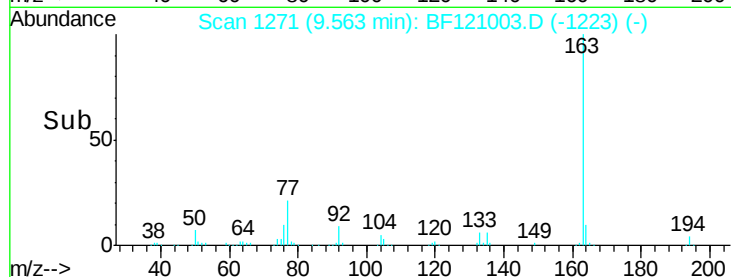
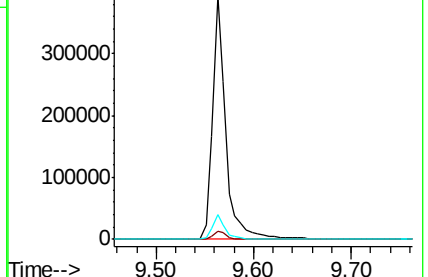
164 10.3 7.9 11.9



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: 6.210 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Tgt Ion:165 Resp: 37601

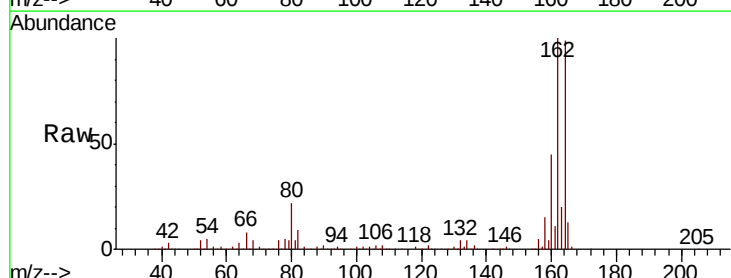
Ion Ratio Lower Upper

165 100

63 1.2 29.4 44.2#

89 1.3 53.4 80.0#

182 0.0 1.8 2.6#

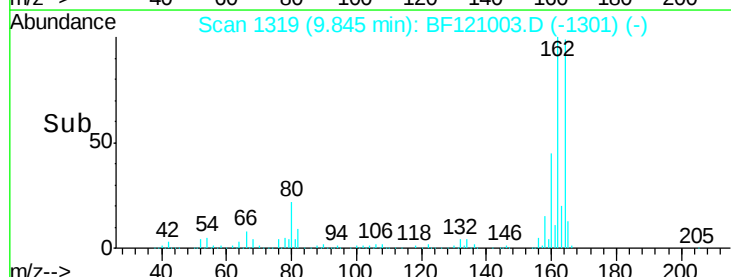
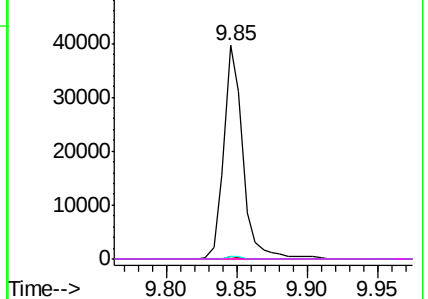


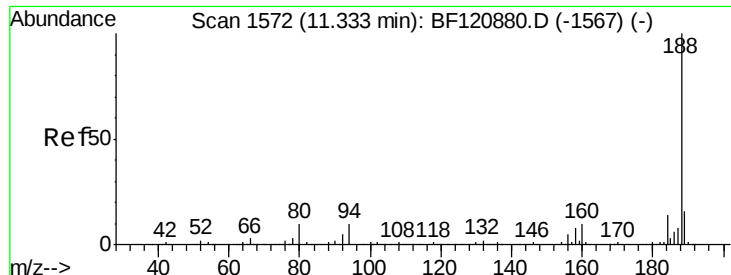
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1571

Delta R.T. -0.01 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampleId :

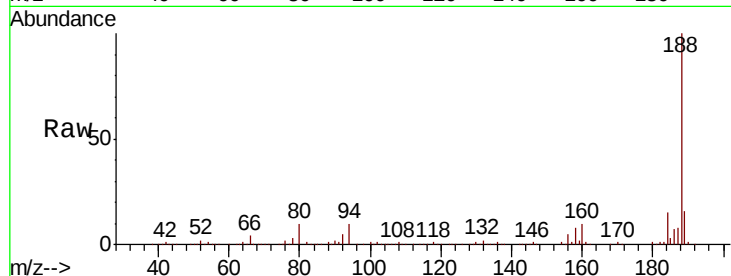
Tot Ion:188 Resp: 534150

Ion Ratio Lower Upper

188 100

94 10.1 8.0 12.0

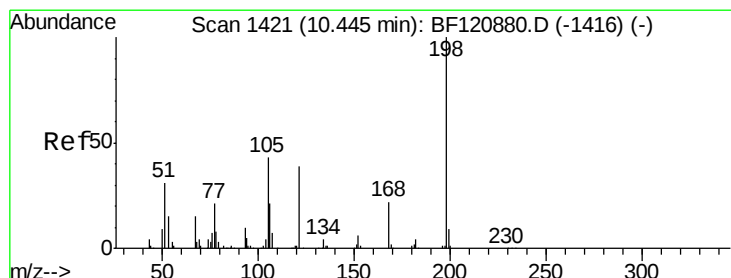
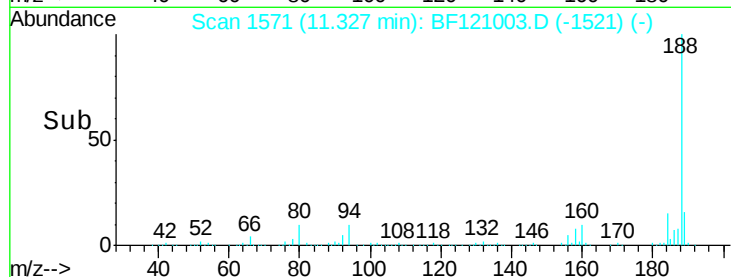
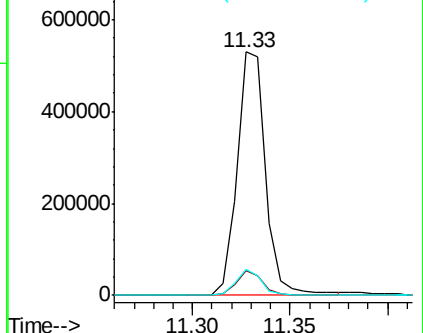
80 10.5 8.3 12.5



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: 4.043 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

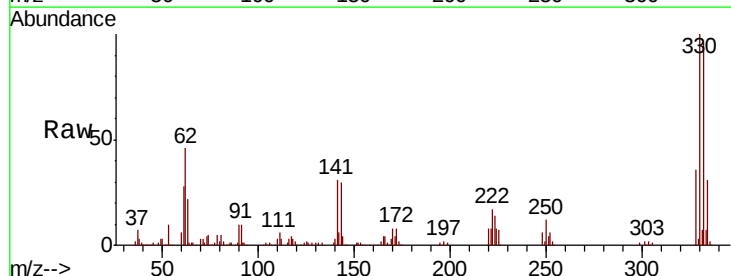
Tgt Ion:198 Resp: 672

Ion Ratio Lower Upper

198 100

51 156.1 19.5 59.5#

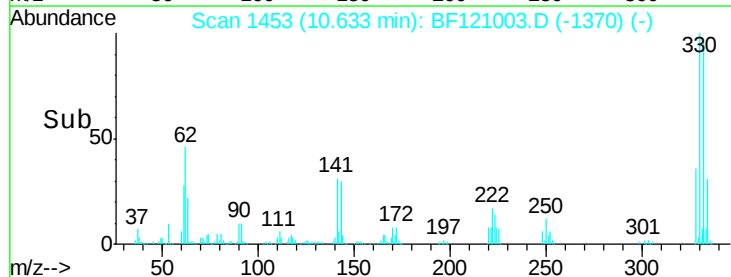
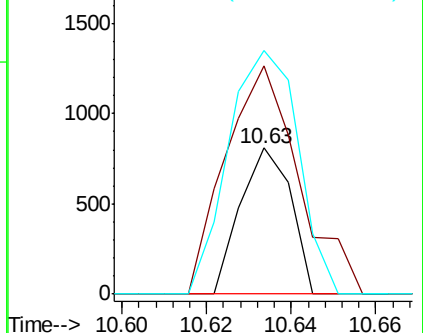
105 166.3 24.4 64.4#



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

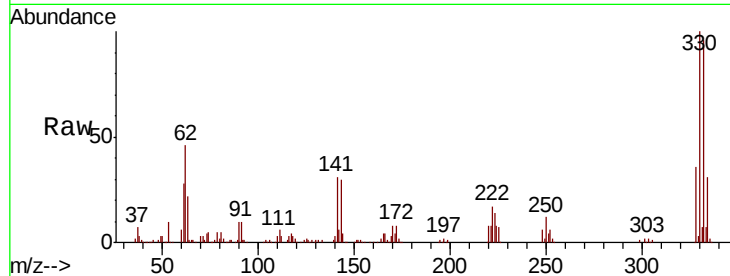




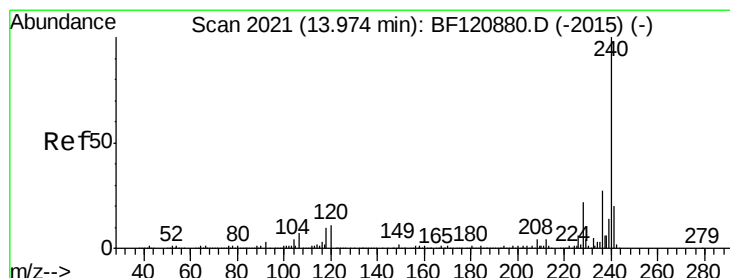
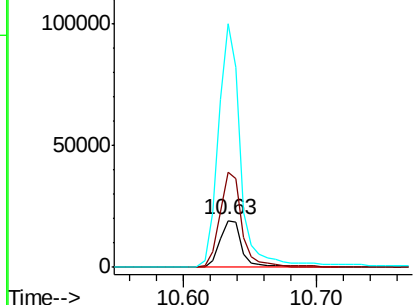
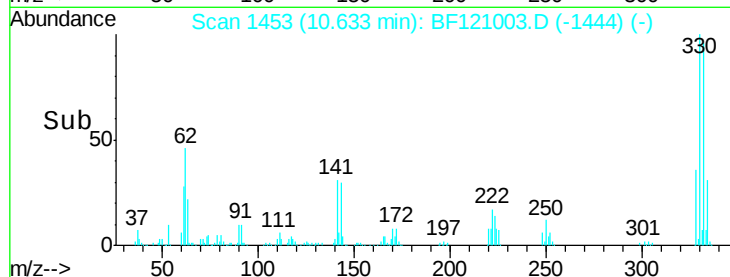
#67
4-Bromophenyl-phenylether
Concen: 3.810 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121003.D
Acq: 24 Jul 2020 15:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 22689
Ion Ratio Lower Upper
248 100
250 204.0 77.1 115.7#
141 522.8 61.2 91.8#

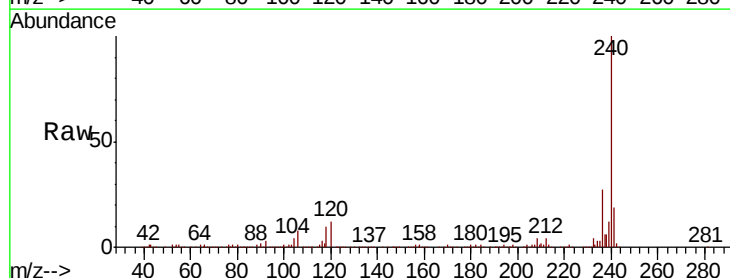


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

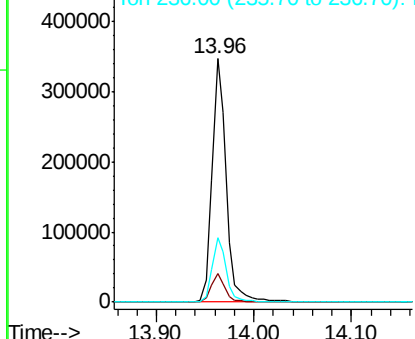
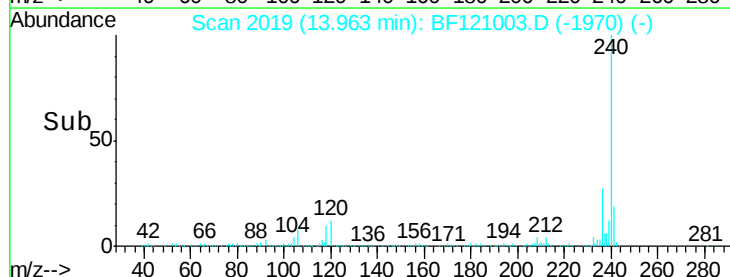


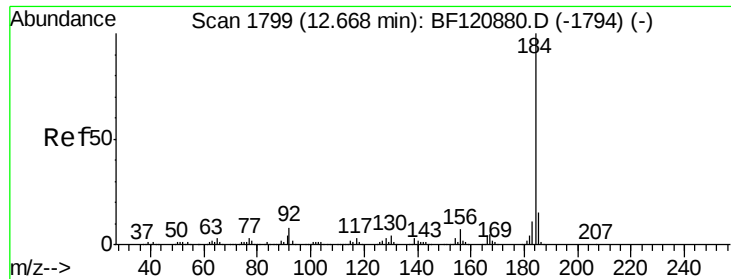
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121003.D
Acq: 24 Jul 2020 15:16

Tgt Ion:240 Resp: 350234
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.4
236 26.6 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: 2.066 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

Instrument :

BNA_F

ClientSampleId :

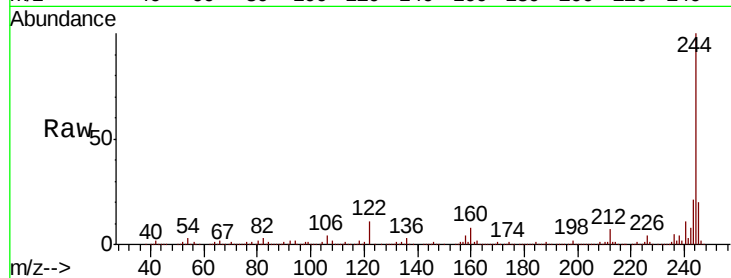
Tot Ion:184 Resp: 19027

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

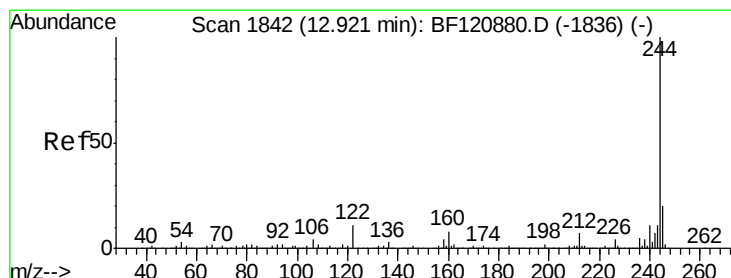
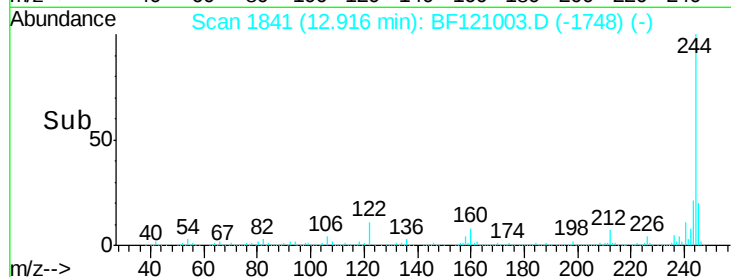
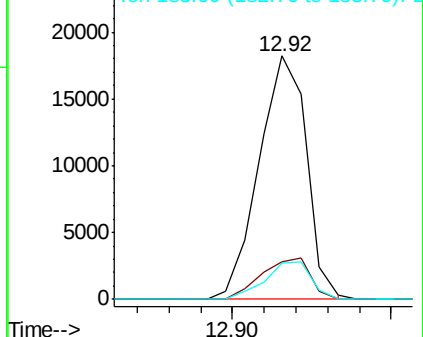
183 14.8 8.5 12.7#



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: 85.001 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121003.D

Acq: 24 Jul 2020 15:16

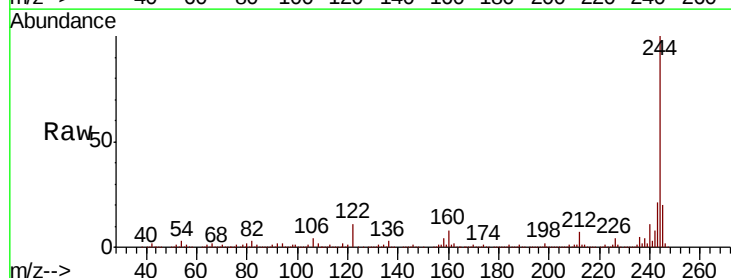
Tgt Ion:244 Resp: 1369521

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

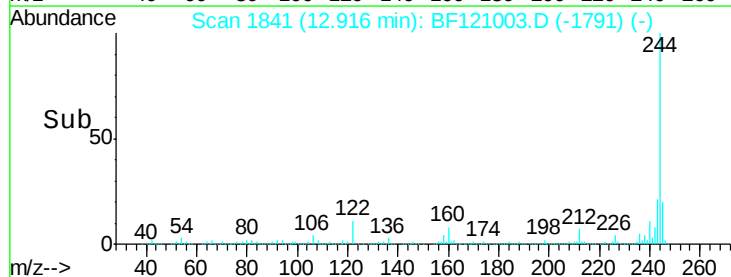
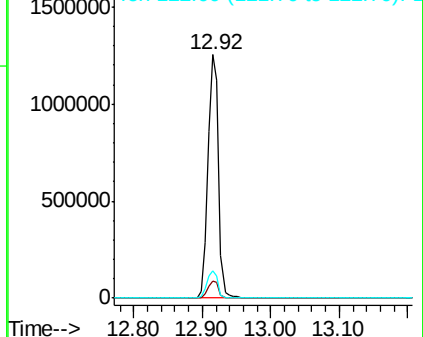
122 11.4 8.9 13.3

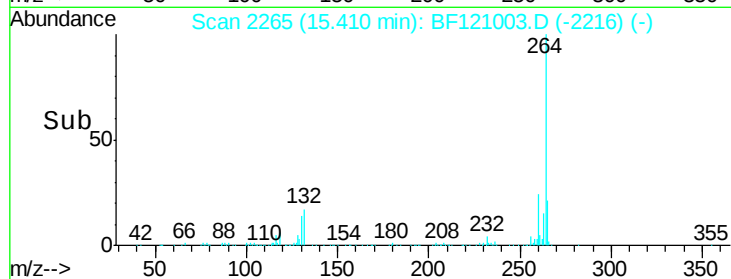
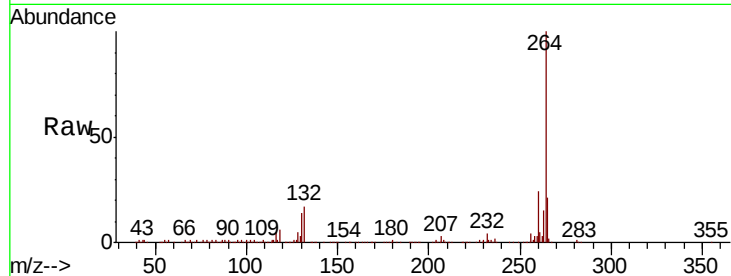
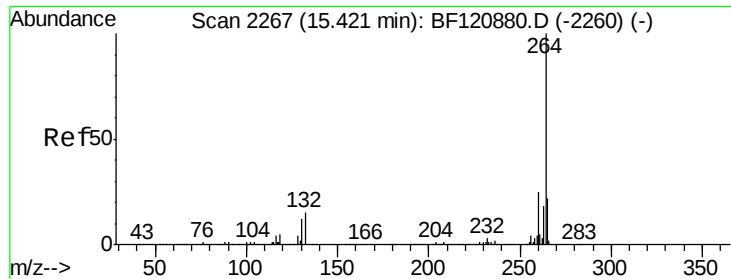


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF121003.D
 Acq: 24 Jul 2020 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	21.2	17.4	26.2

