

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120778.D
 Acq On : 7 Jul 2020 10:44
 Operator : JU/CG
 Sample : PB129957BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

Quant Time: Jul 07 14:32:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

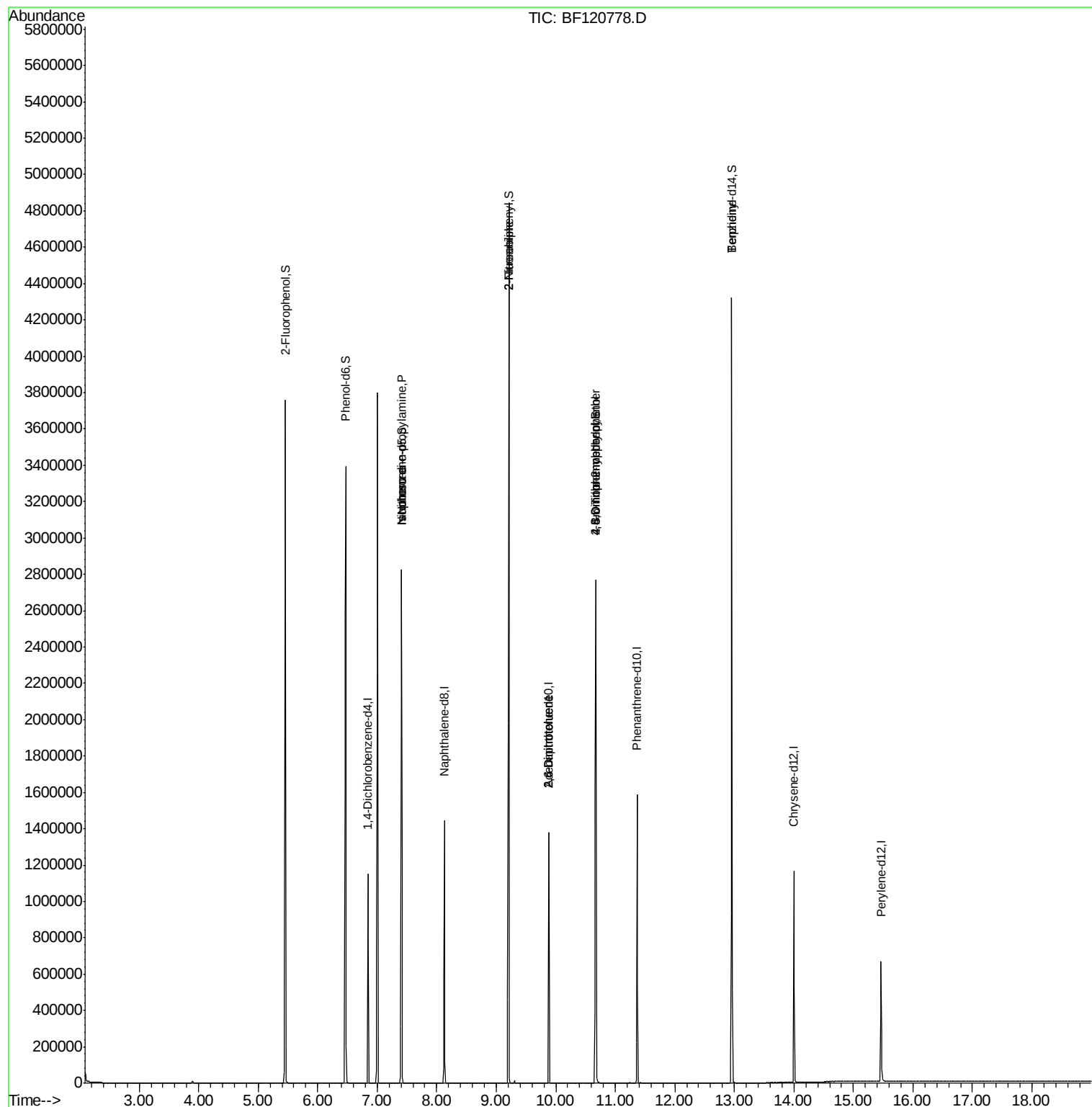
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143980	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	543567	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	269790	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	490123	20.00	ng	0.00
76) Chrysene-d12	14.00	240	345531	20.00	ng	0.00
86) Perylene-d12	15.46	264	282594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1181518	126.67	ng	0.00
7) Phenol-d6	6.47	99	1443162	121.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	885174	94.35	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	351981	129.86	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1535422	86.10	ng	0.00
79) Terphenyl-d14	12.96	244	1690827	95.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	121465	16.936	ng	# 77
25) Isophorone	7.41	82	884911	43.736	ng	# 64
48) 2-Nitroaniline	9.21	65	2855	3.137	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	34263	10.622	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	34263	9.657	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	842	7.357	ng	# 4
67) 4-Bromophenyl-phenylether	10.67	248	21130	3.717	ng	# 1
77) Benzidine	12.96	184	25200	2.584	ng	# 93

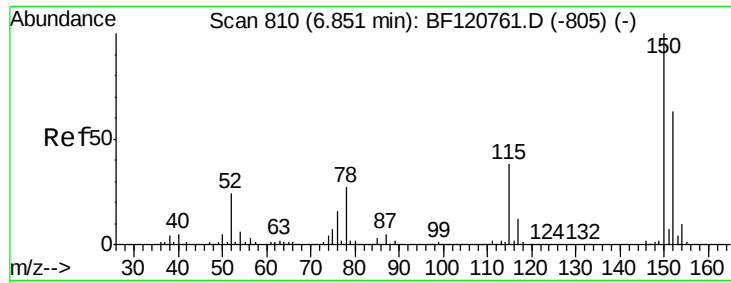
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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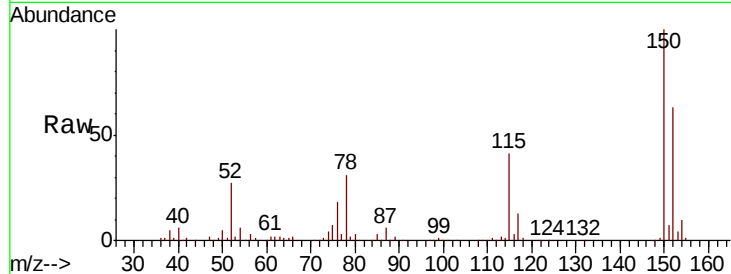


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120778.D
Acq: 7 Jul 2020 10:44

Instrument :
BNA_F
ClientSampleId :
PB129957BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.1	189.1
115	64.5	48.5	72.7

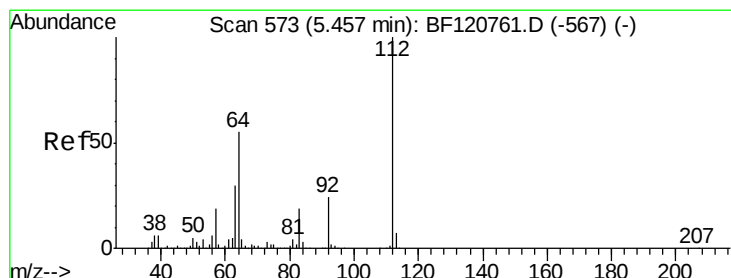
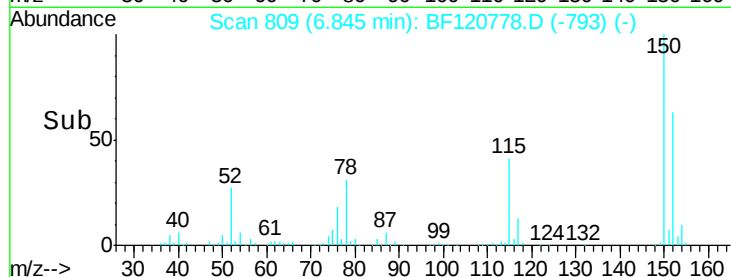
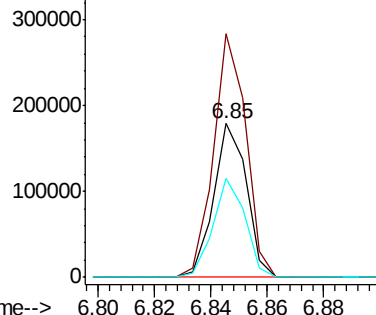


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

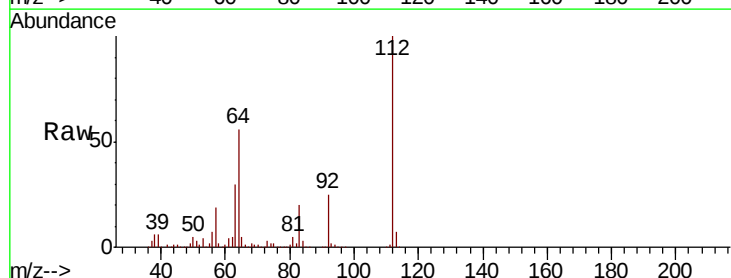
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.674 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120778.D
Acq: 7 Jul 2020 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.8	65.6
63	30.0	23.6	35.4

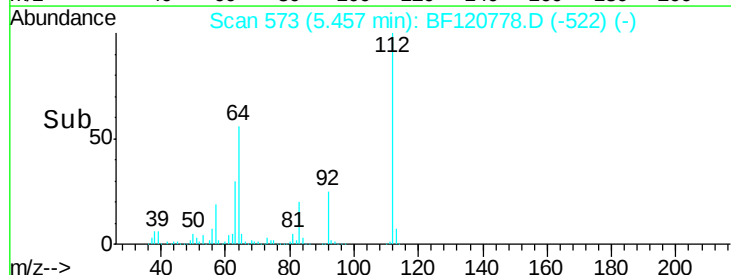
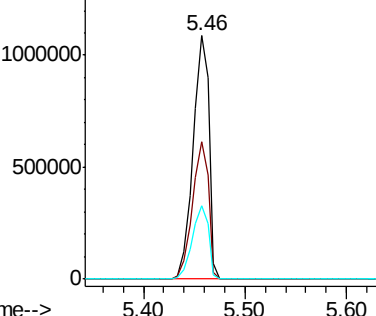


Abundance

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: 121.159 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

BNA_F

ClientSampleId :

PB129957BL

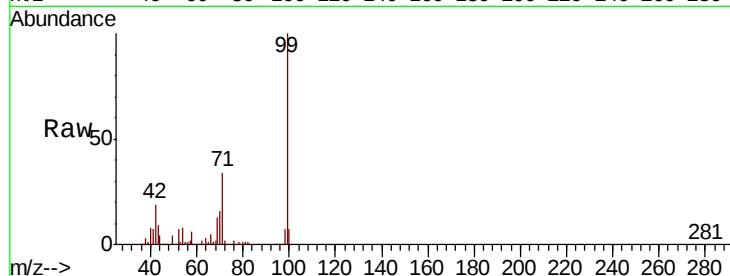
Tot Ion: 99 Resp: 1443162

Ion Ratio Lower Upper

99 100

42 19.5 15.4 23.0

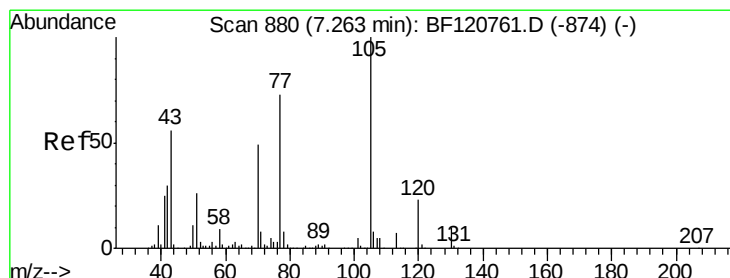
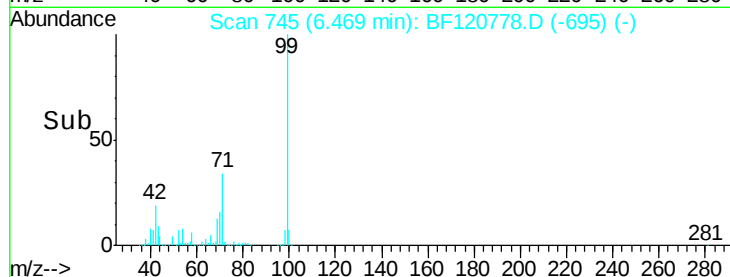
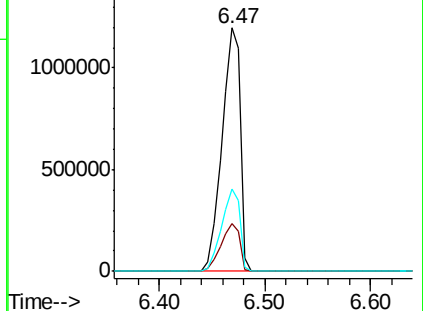
71 33.6 25.9 38.9



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: 16.936 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Tgt Ion: 70 Resp: 121465

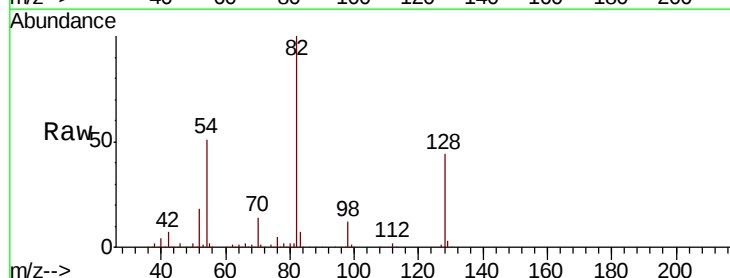
Ion Ratio Lower Upper

70 100

42 49.8 50.3 75.5#

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

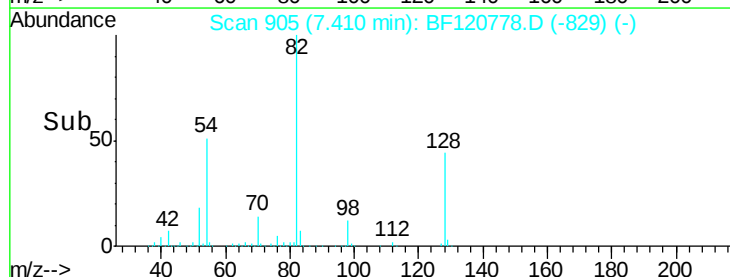
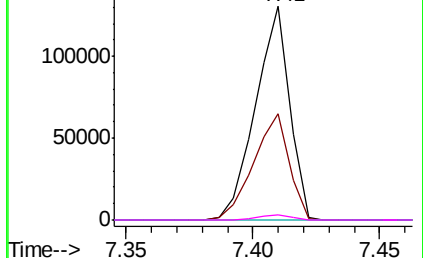


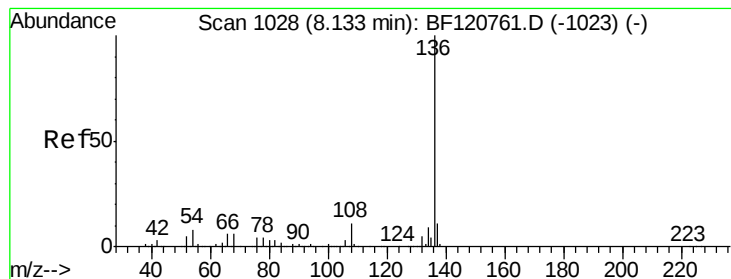
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

BNA_F

ClientSampleId :

PB129957BL

Tot Ion:136 Resp: 543567

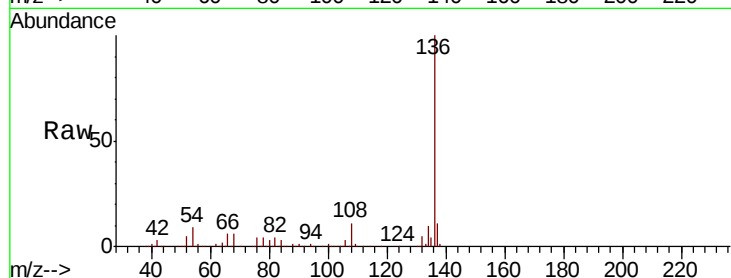
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.5 6.2 9.4

68 5.7 4.7 7.1

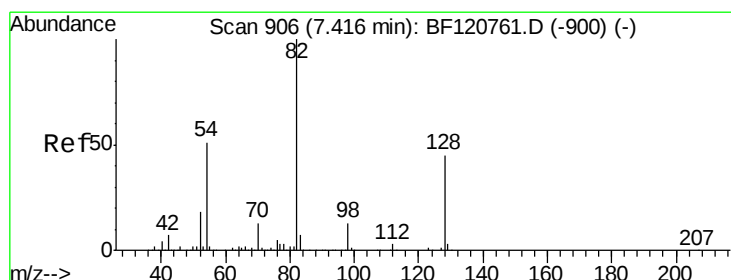
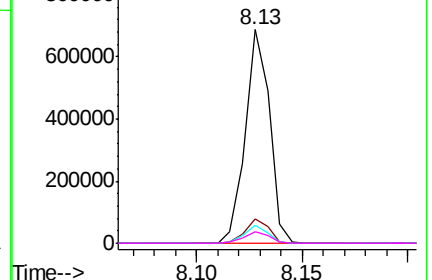
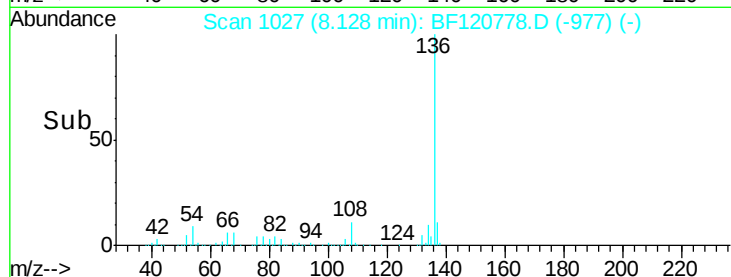


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.349 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

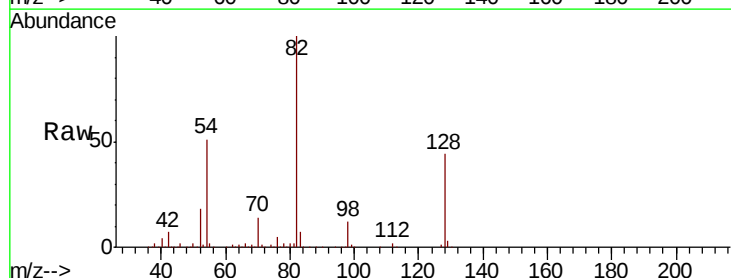
Tgt Ion: 82 Resp: 885174

Ion Ratio Lower Upper

82 100

128 44.3 35.7 53.5

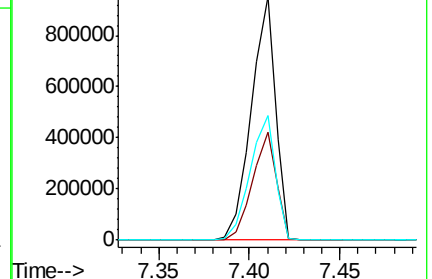
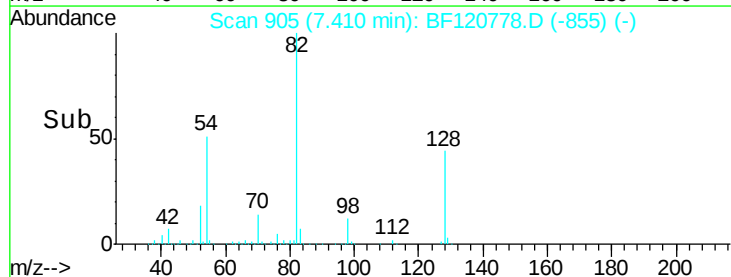
54 51.4 40.9 61.3

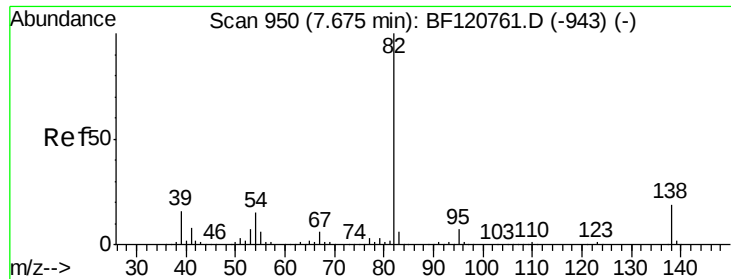


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.736 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

BNA_F

ClientSampleId :

PB129957BL

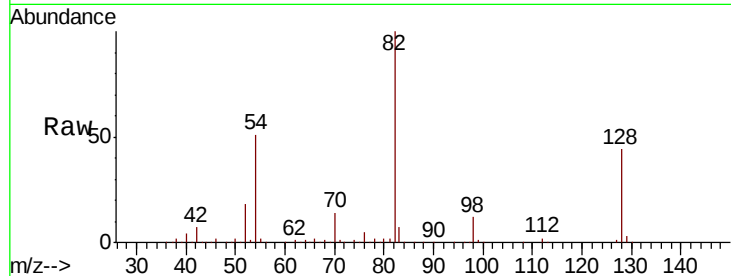
Tot Ion: 82 Resp: 884911

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

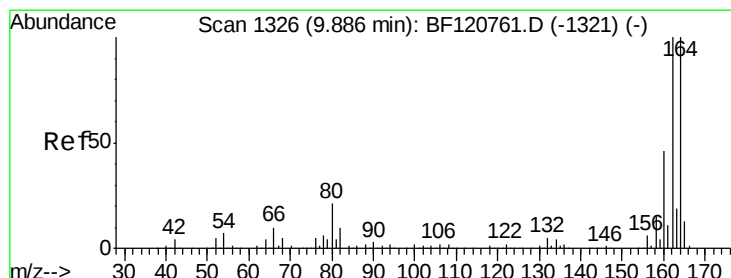
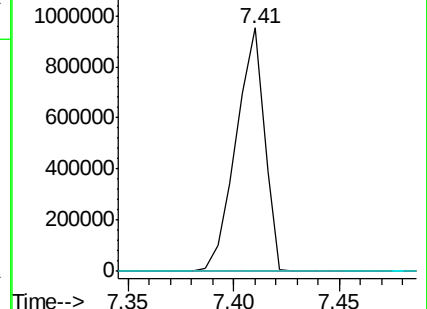
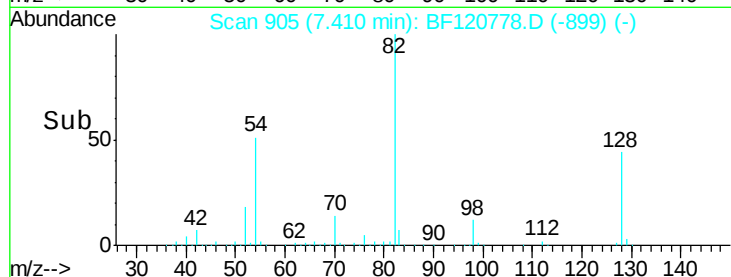
138 0.0 15.0 22.4#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

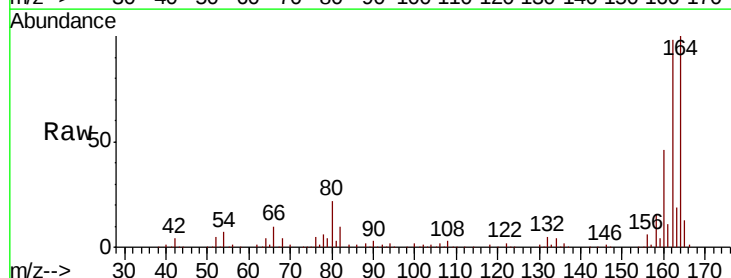
Tgt Ion: 164 Resp: 269790

Ion Ratio Lower Upper

164 100

162 98.0 80.2 120.2

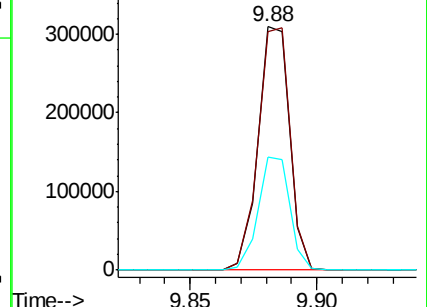
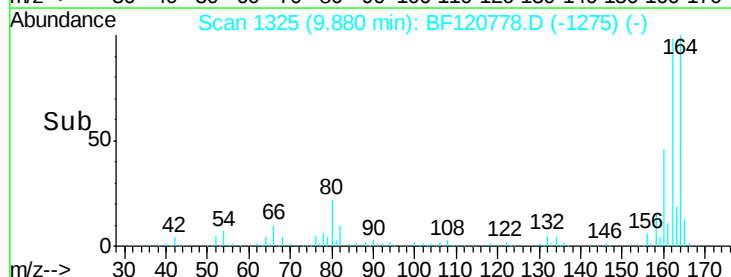
160 46.2 36.9 55.3

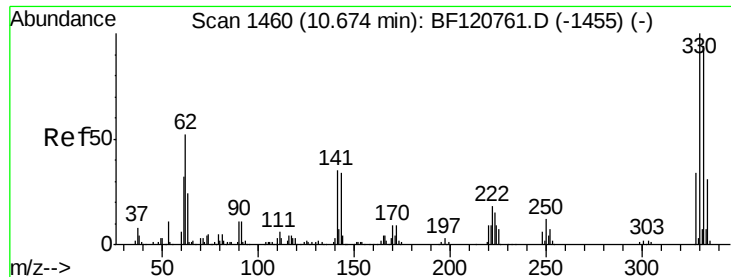


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 129.862 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

BNA_F

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PB129957BL

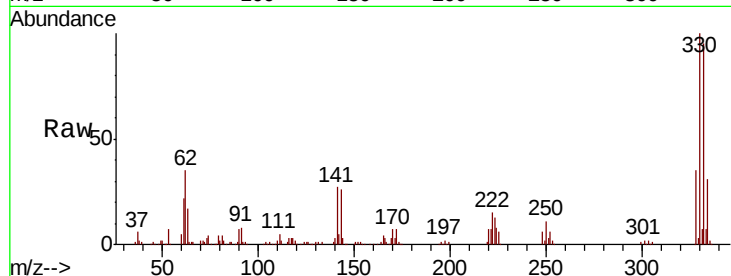
Tot Ion:330 Resp: 351981

Ion Ratio Lower Upper

330 100

332 94.9 75.8 113.6

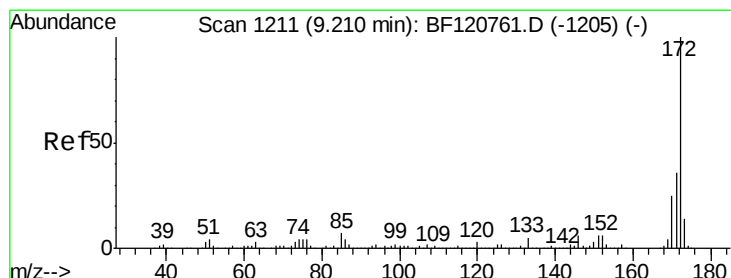
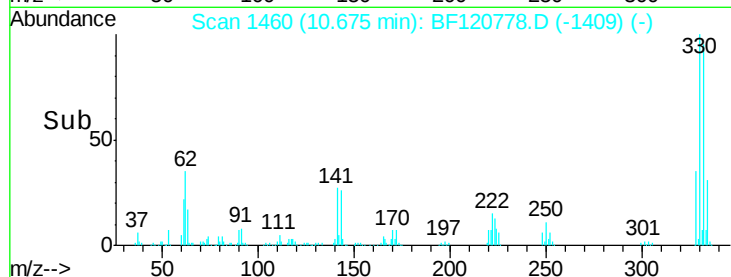
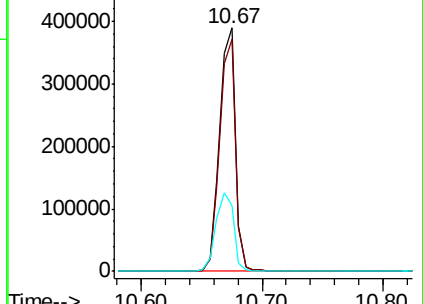
141 36.0 29.7 44.5



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: 86.104 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

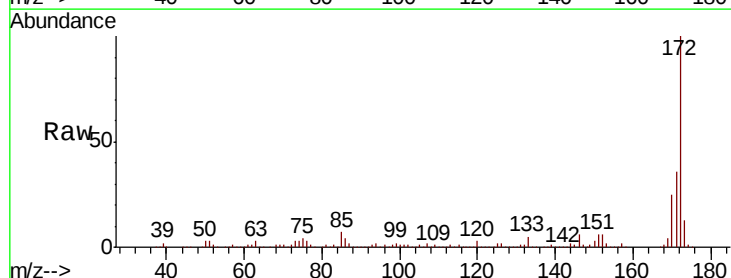
Tgt Ion:172 Resp: 1535422

Ion Ratio Lower Upper

172 100

171 36.5 29.1 43.7

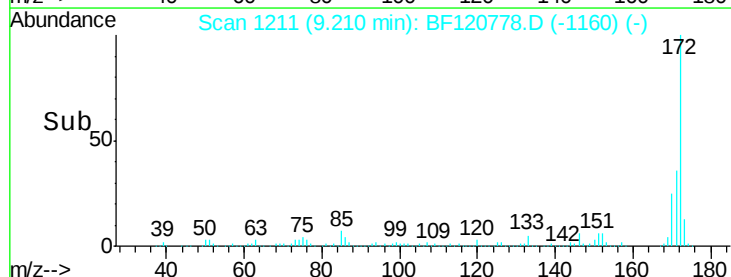
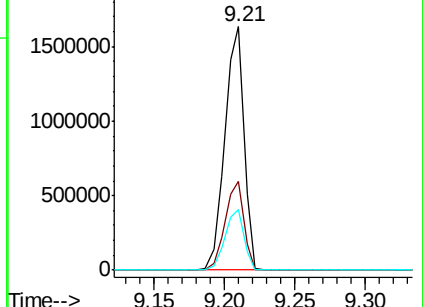
170 24.8 19.8 29.6

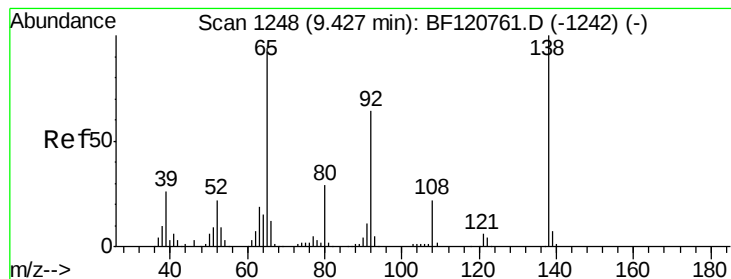


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.137 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.22 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

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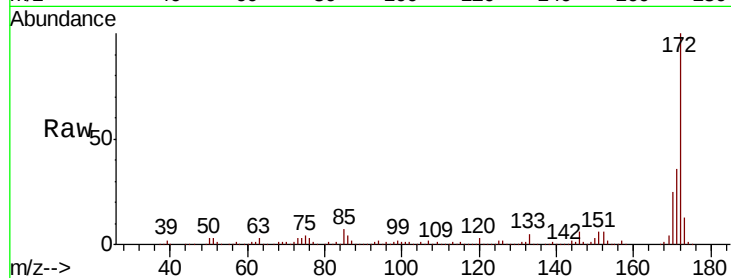
Tot Ion: 65 Resp: 2855

Ion Ratio Lower Upper

65 100

92 201.7 54.4 81.6#

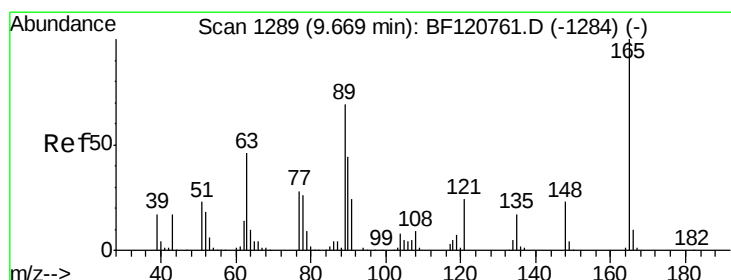
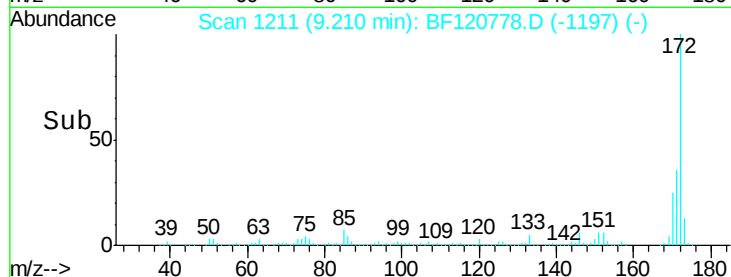
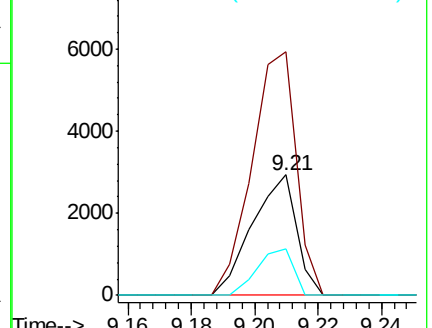
138 38.0 84.7 127.1#



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): BF1



#51

2,6-Dinitrotoluene

Concen: 10.622 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

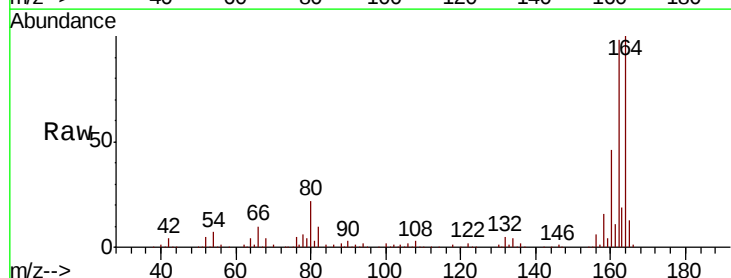
Tgt Ion: 165 Resp: 34263

Ion Ratio Lower Upper

165 100

63 1.5 54.0 81.0#

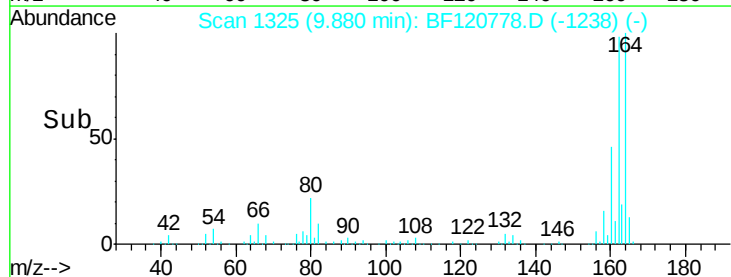
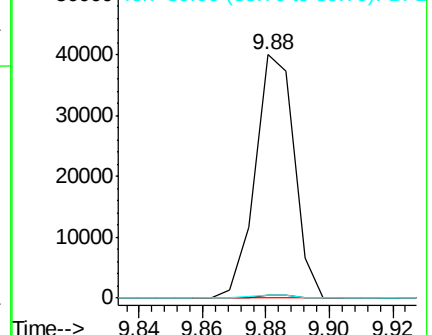
89 1.5 55.4 83.2#

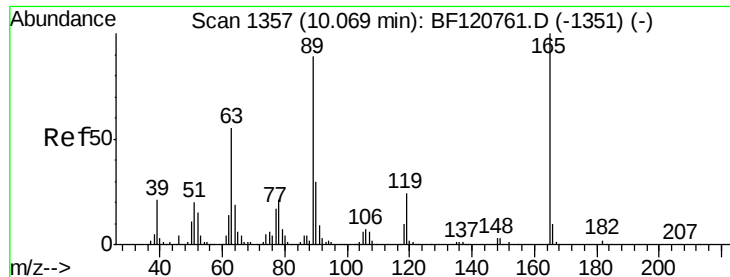


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

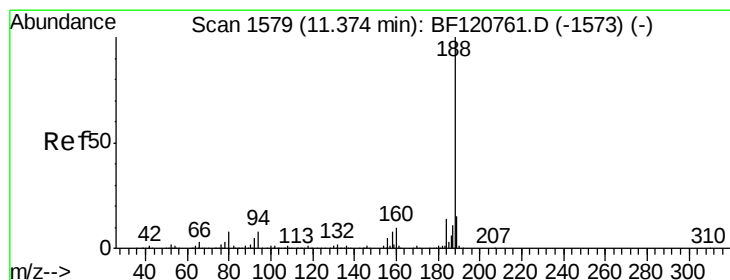
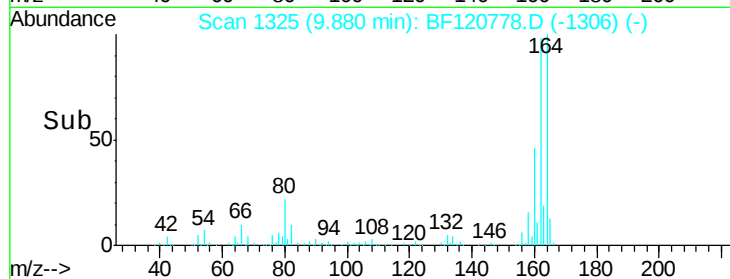
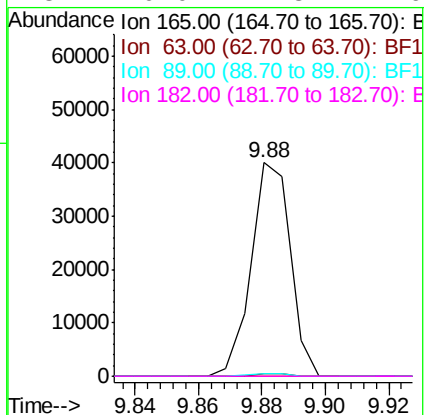
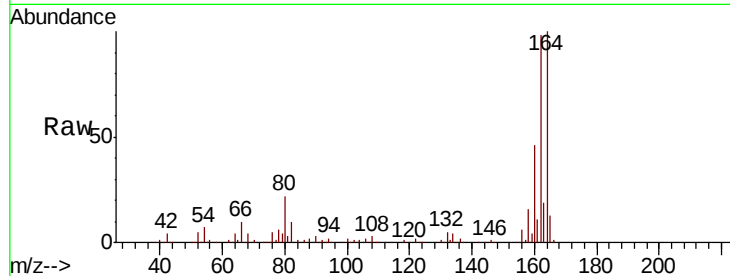




#57
 2,4-Dinitrotoluene
 Concen: 9.657 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120778.D
 Acq: 7 Jul 2020 10:44

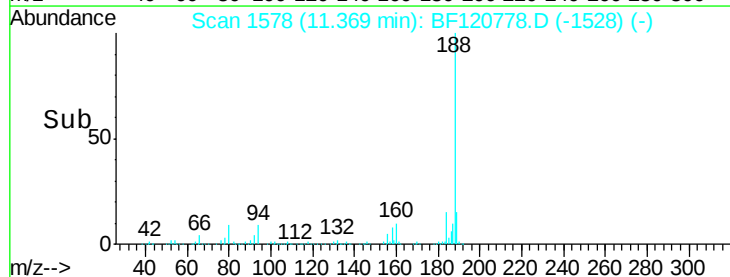
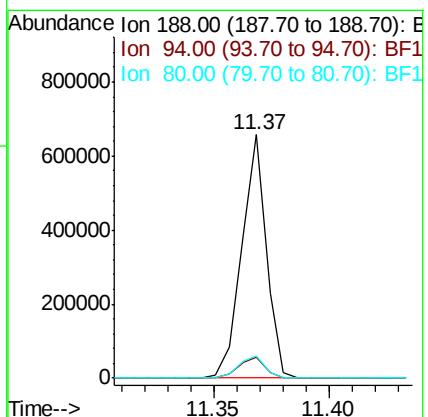
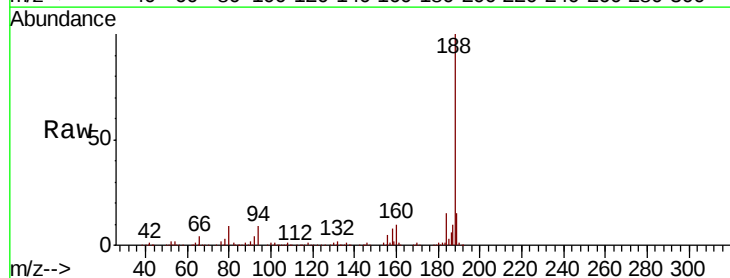
Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

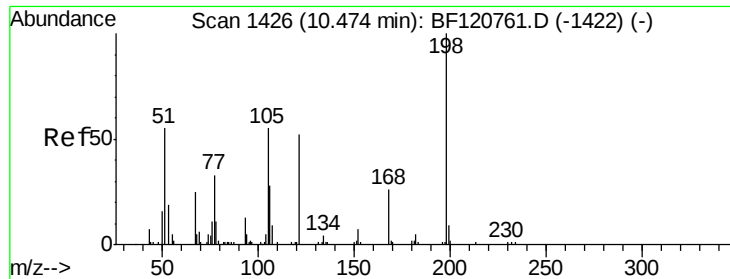
Tot Ion:165 Resp: 34263
 Ion Ratio Lower Upper
 165 100
 63 1.5 43.8 65.8#
 89 1.5 71.4 107.2#
 182 0.0 1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120778.D
 Acq: 7 Jul 2020 10:44

Tgt Ion:188 Resp: 490123
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.6 9.8
 80 9.0 6.6 10.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.357 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.20 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

Instrument :

BNA_F

ClientSampleId :

PB129957BL

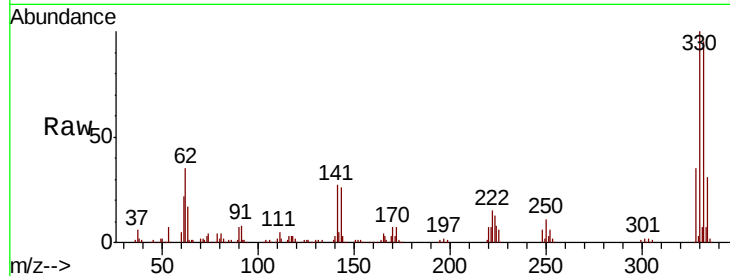
Tot Ion:198 Resp: 842

Ion Ratio Lower Upper

198 100

51 118.4 50.0 90.0#

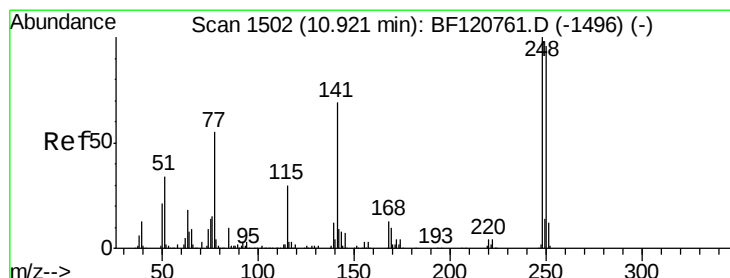
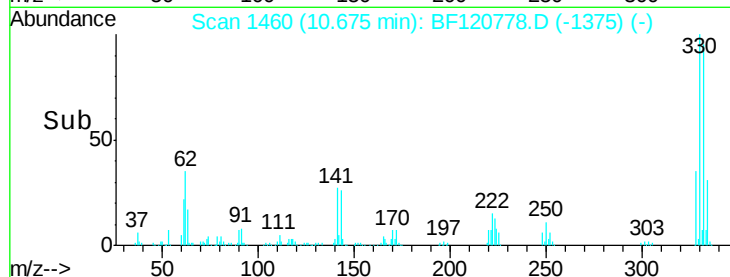
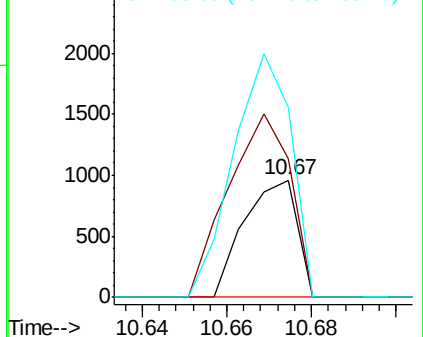
105 162.5 38.3 78.3#



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: 3.717 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120778.D

Acq: 7 Jul 2020 10:44

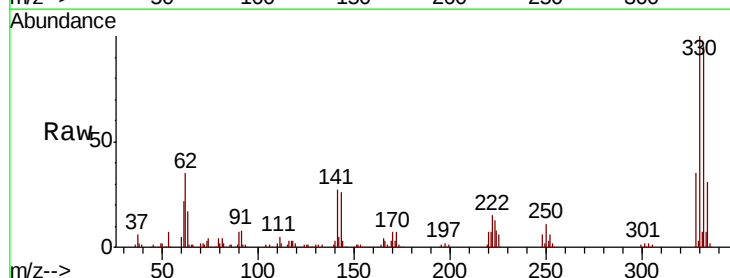
Tgt Ion:248 Resp: 21130

Ion Ratio Lower Upper

248 100

250 198.2 76.5 114.7#

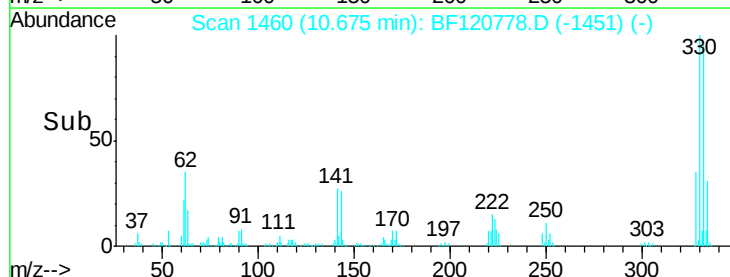
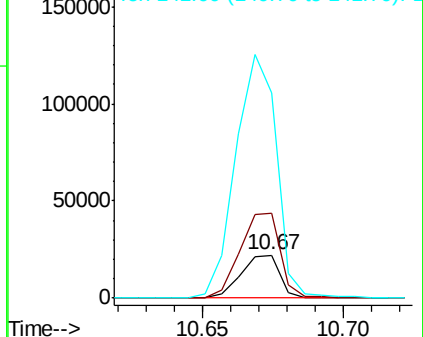
141 476.6 54.9 82.3#

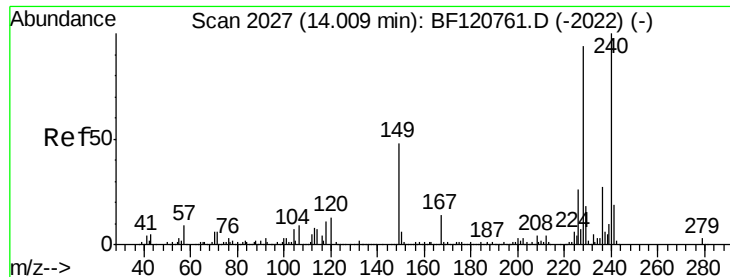


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

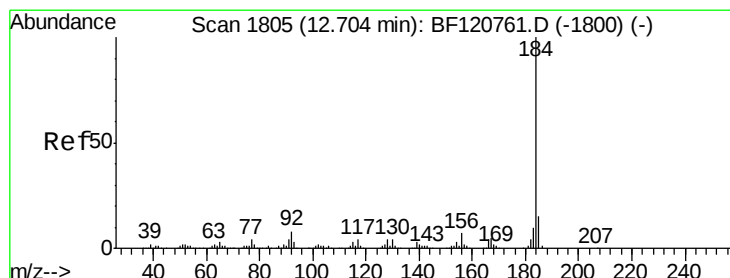
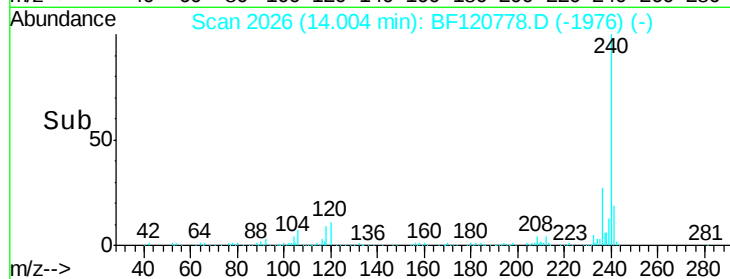
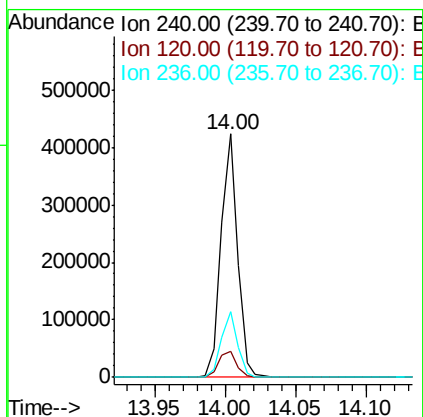
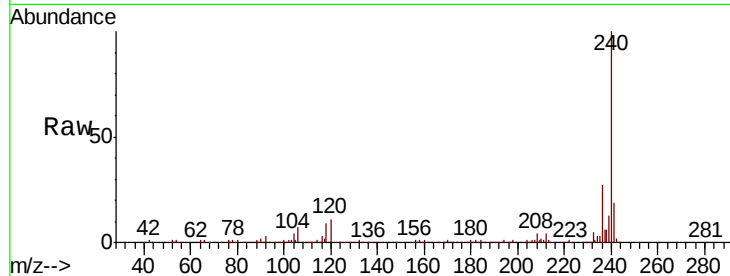




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120778.D
Acq: 7 Jul 2020 10:44

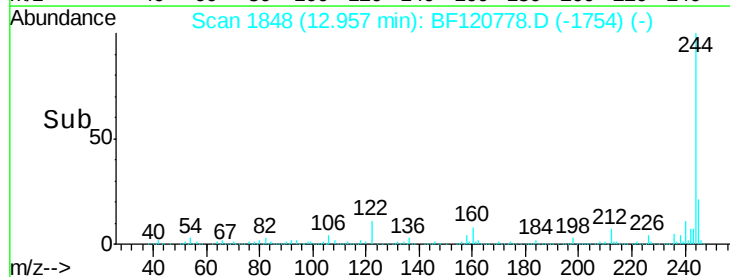
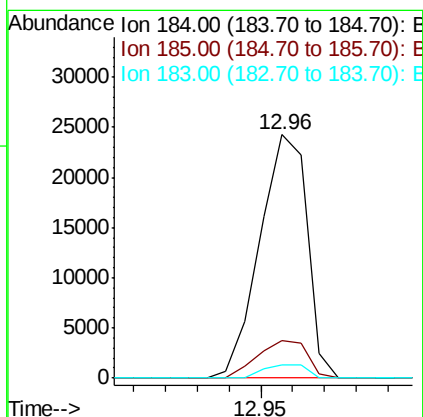
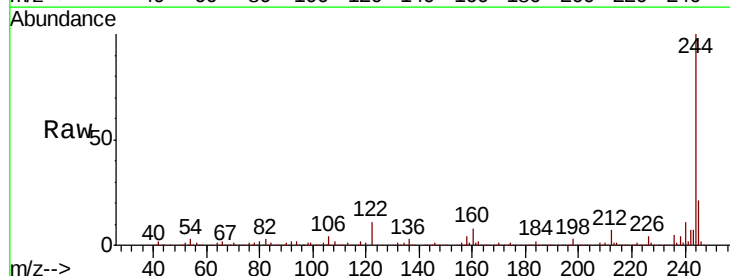
Instrument :
BNA_F
ClientSampleId :
PB129957BL

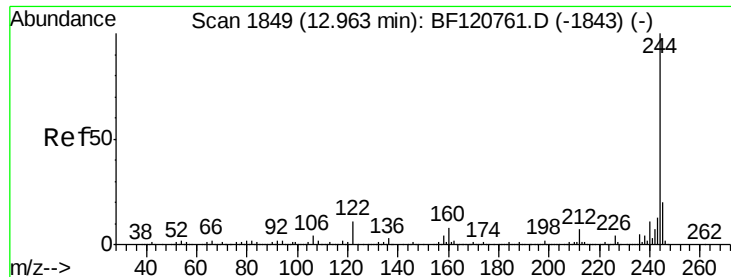
Tot Ion:240 Resp: 345531
Ion Ratio Lower Upper
240 100
120 10.7 10.3 15.5
236 27.1 21.4 32.2



#77
Benzidine
Concen: 2.584 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120778.D
Acq: 7 Jul 2020 10:44

Tgt Ion:184 Resp: 25200
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.8
183 5.2 8.3 12.5#

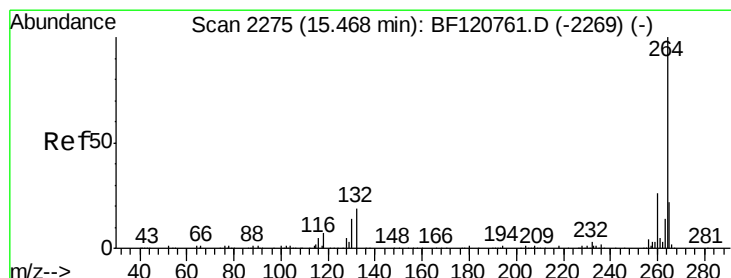
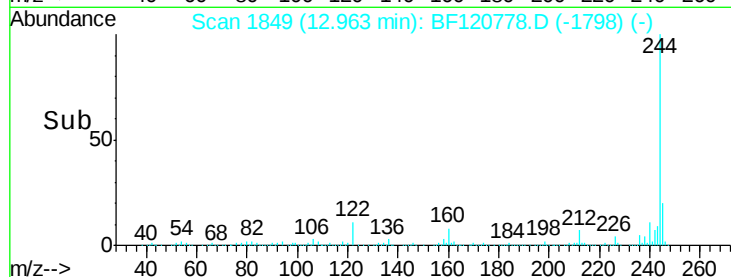
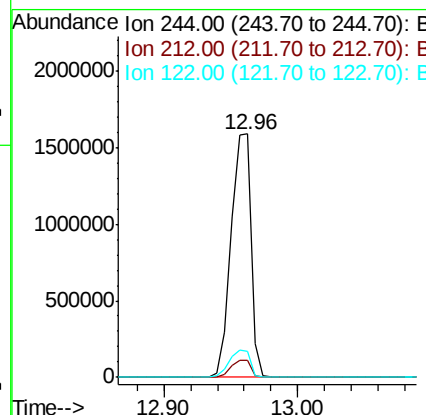
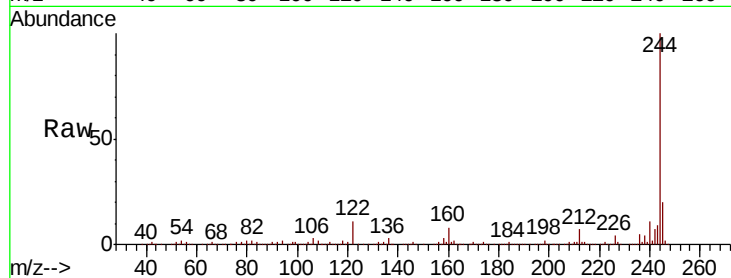




#79
 Terphenyl-d14
 Concen: 95.807 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF120778.D
 Acq: 7 Jul 2020 10:44

Instrument :
 BNA_F
 ClientSampleId :
 PB129957BL

Tot Ion:244 Resp: 1690827
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.7 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF120778.D
 Acq: 7 Jul 2020 10:44

Tgt Ion:264 Resp: 282594
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.6 30.8
 265 21.9 17.6 26.4

