

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120794.D
 Acq On : 7 Jul 2020 18:27
 Operator : JU/CG
 Sample : L3202-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

Quant Time: Jul 08 01:14:29 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	149752	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	561583	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	286216	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	517460	20.00	ng	0.00
76) Chrysene-d12	14.00	240	356113	20.00	ng	0.00
86) Perylene-d12	15.46	264	286220	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1071925	110.49	ng	0.00
7) Phenol-d6	6.47	99	1166021	94.12	ng	0.00
23) Nitrobenzene-d5	7.41	82	1012851	104.49	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	431786	150.16	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1671962	88.38	ng	0.00
79) Terphenyl-d14	12.96	244	1960560	107.79	ng	0.00

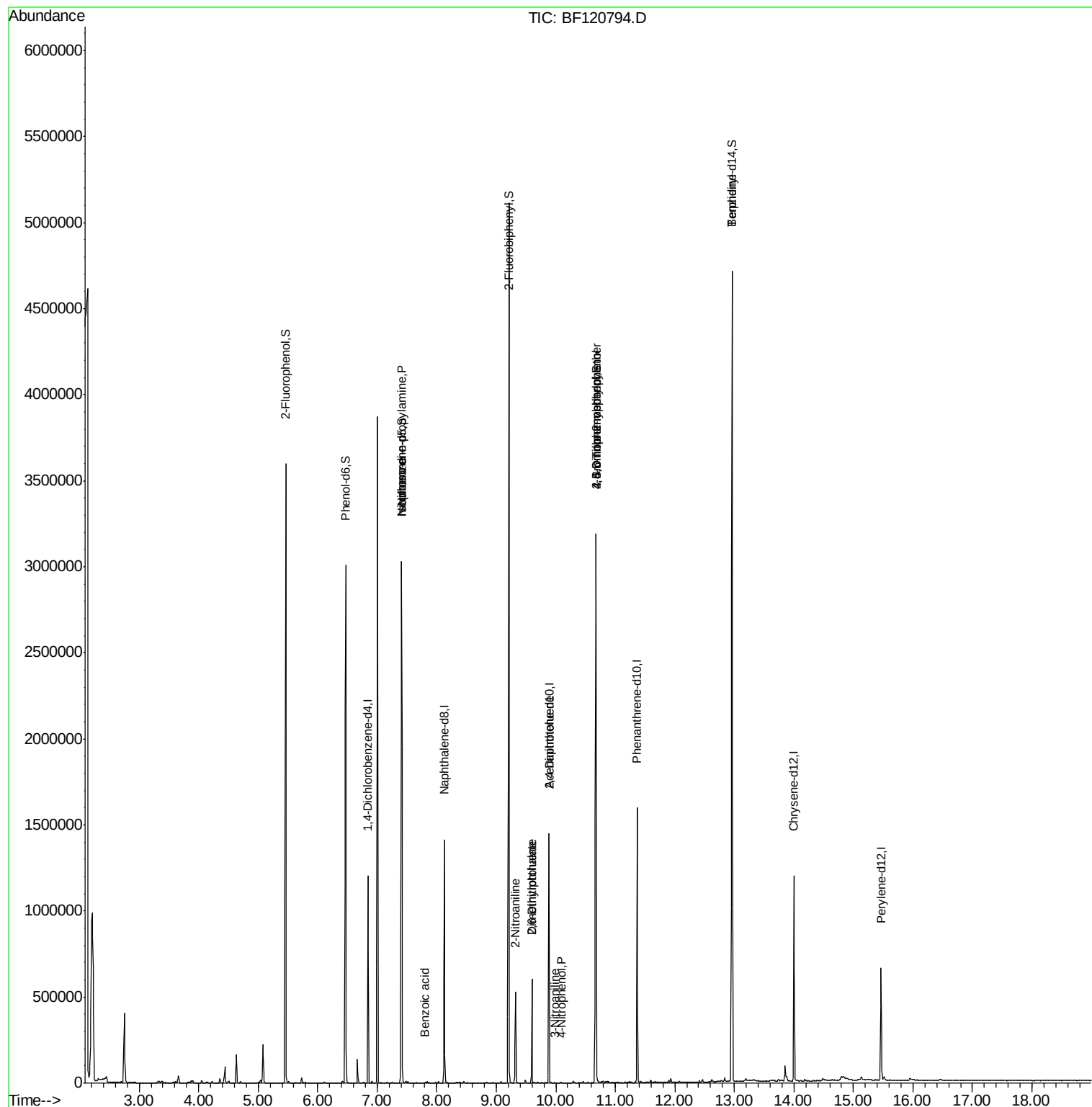
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	137995	18.499	ng	# 77
25) Isophorone	7.41	82	1012626	48.443	ng	# 64
32) Benzoic acid	7.81	122	1146	4.401	ng	# 85
48) 2-Nitroaniline	9.32	65	5045	3.481	ng	# 9
50) Dimethylphthalate	9.60	163	185283	8.874	ng	# 99
51) 2,6-Dinitrotoluene	9.60	165	1906	2.715	ng	# 1
53) 3-Nitroaniline	9.98	138	107	2.184	ng	# 1
56) 4-Nitrophenol	10.09	139	132	2.125	ng	# 5
57) 2,4-Dinitrotoluene	9.88	165	35702	9.539	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	1109	7.443	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	25562	4.259	ng	# 1
77) Benzidine	12.96	184	28435	2.829	ng	# 94

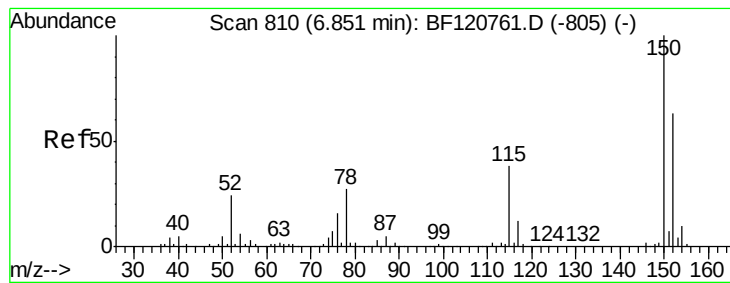
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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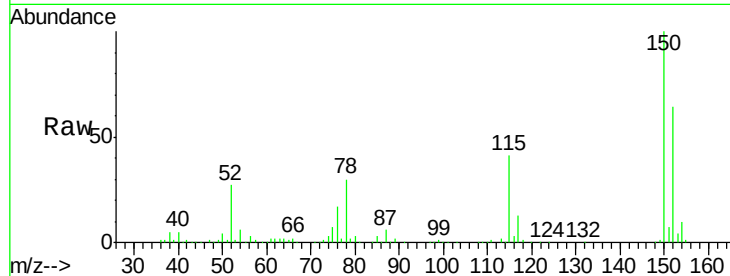


#1

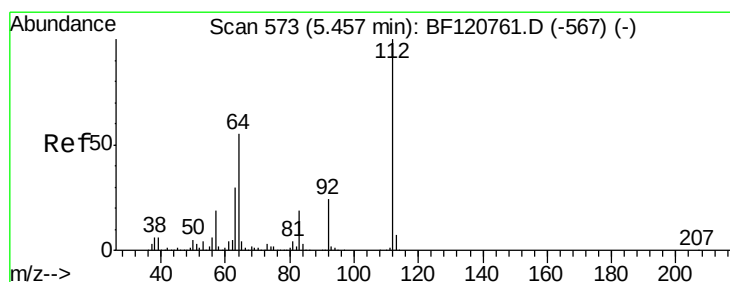
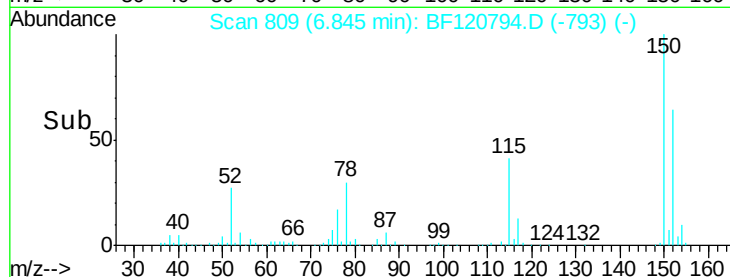
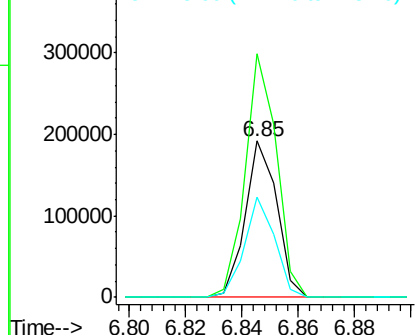
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120794.D
Acq: 7 Jul 2020 18:27

Instrument :
BNA_F
ClientSampleId :
RO-COMP

Tot Ion:152 Resp: 149752
Ion Ratio Lower Upper
152 100
150 155.7 126.1 189.1
115 63.7 48.5 72.7



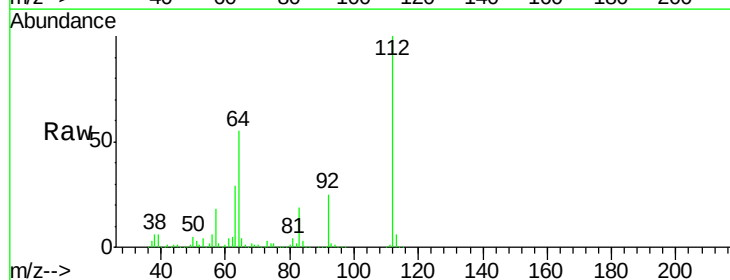
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



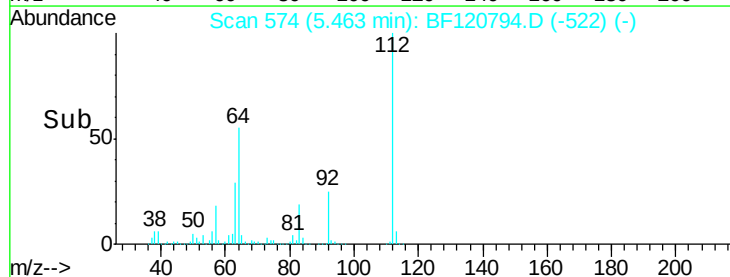
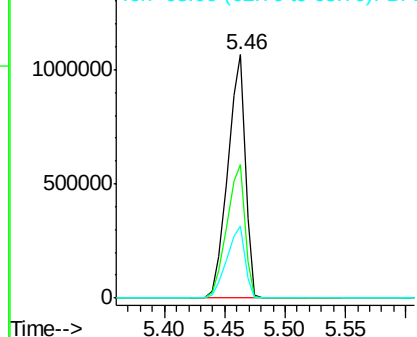
#5

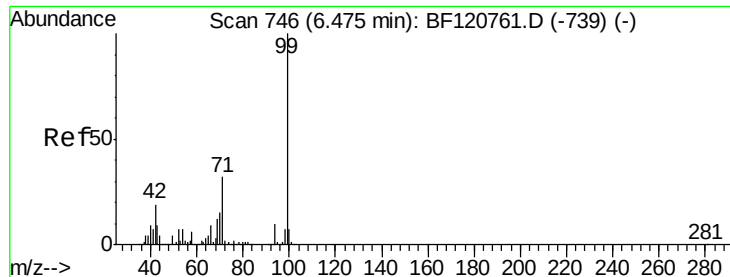
2-Fluorophenol
Concen: 110.494 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF120794.D
Acq: 7 Jul 2020 18:27

Tgt Ion:112 Resp: 1071925
Ion Ratio Lower Upper
112 100
64 54.8 43.8 65.6
63 29.5 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: 94.119 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Instrument :

BNA_F

ClientSampled :

RO-COMP

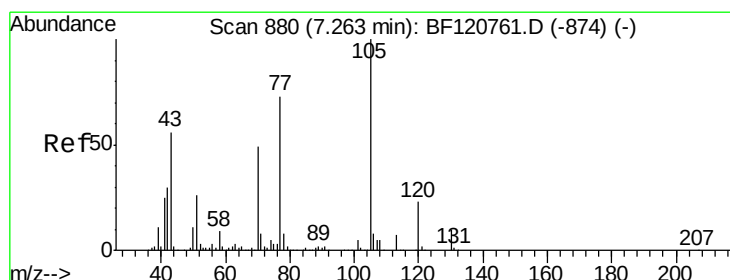
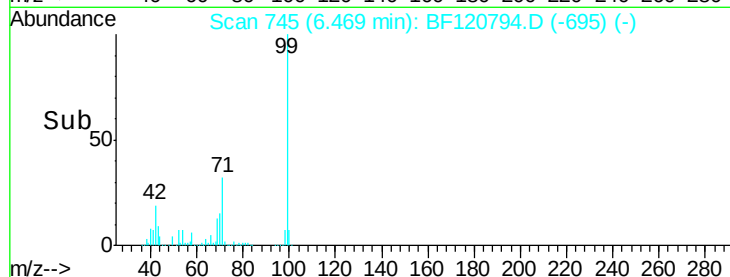
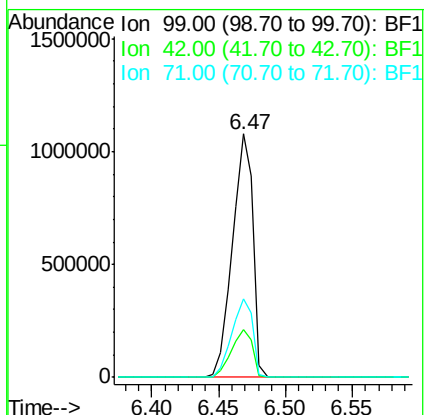
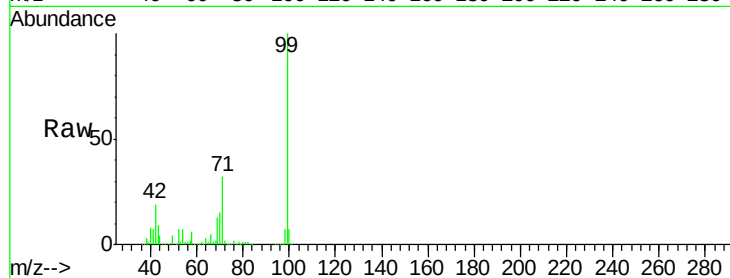
Tot Ion: 99 Resp: 1166021

Ion Ratio Lower Upper

99 100

42 19.4 15.4 23.0

71 32.3 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 18.499 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Tgt Ion: 70 Resp: 137995

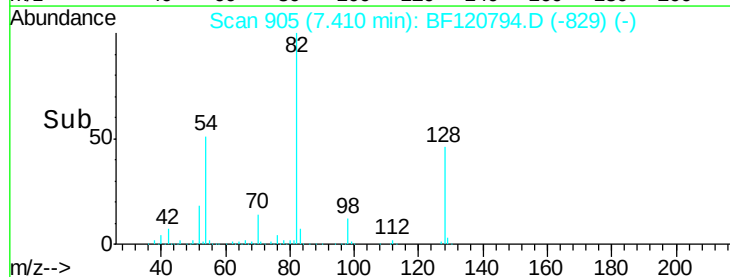
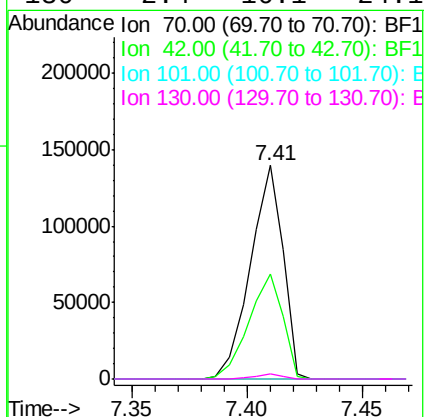
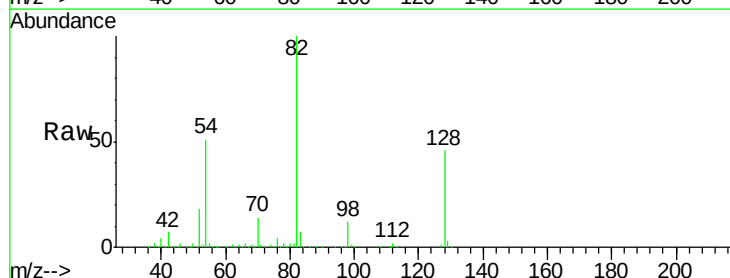
Ion Ratio Lower Upper

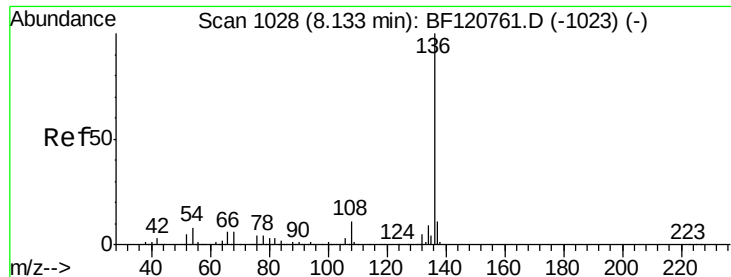
70 100

42 48.9 50.3 75.5#

101 0.0 7.5 11.3#

130 2.4 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Instrument :

BNA_F

ClientSampleId :

RO-COMP

Tot Ion:136 Resp: 561583

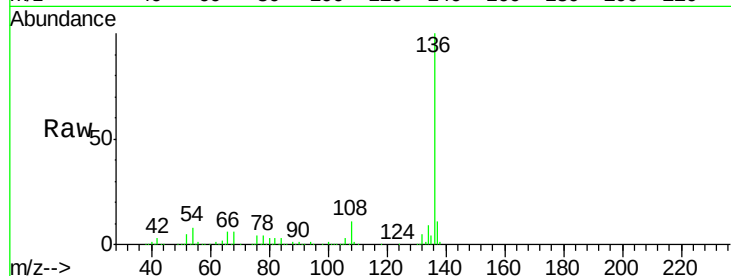
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.1 6.2 9.4

68 5.9 4.7 7.1

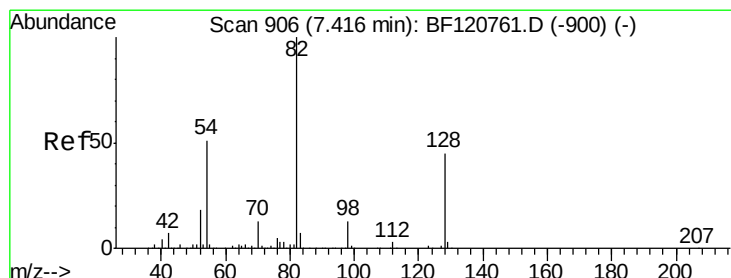
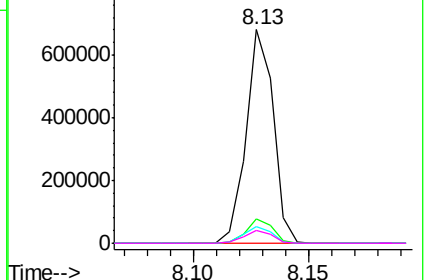
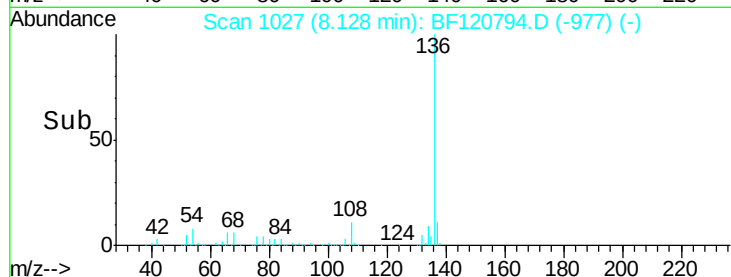


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.494 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

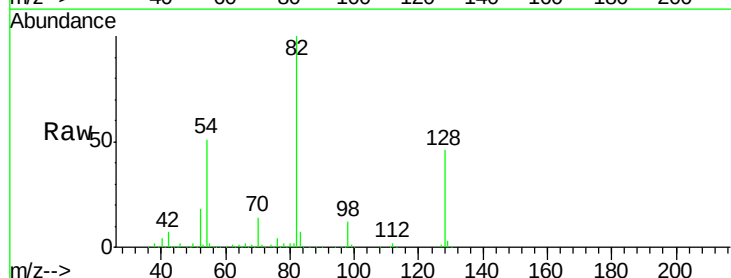
Tgt Ion: 82 Resp: 1012851

Ion Ratio Lower Upper

82 100

128 45.9 35.7 53.5

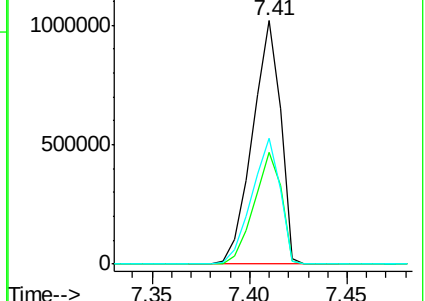
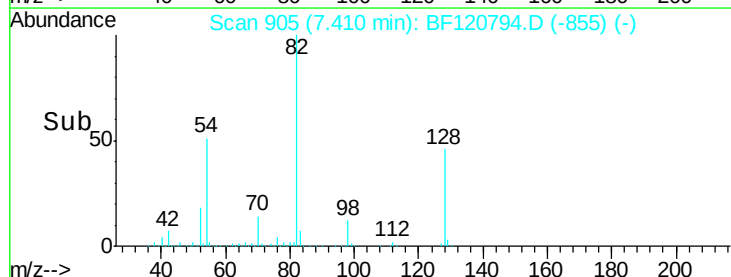
54 51.5 40.9 61.3

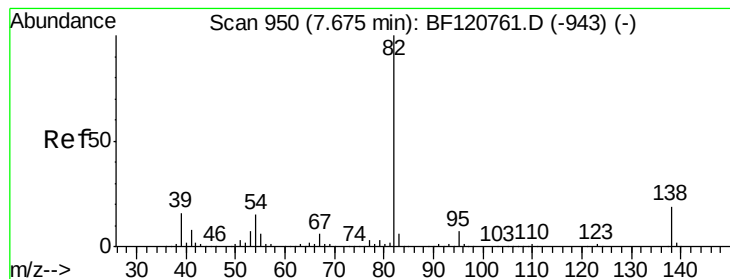


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.443 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Instrument :

BNA_F

ClientSampleId :

RO-COMP

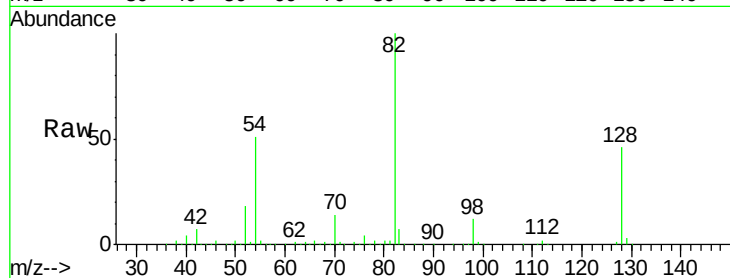
Tot Ion: 82 Resp: 1012626

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

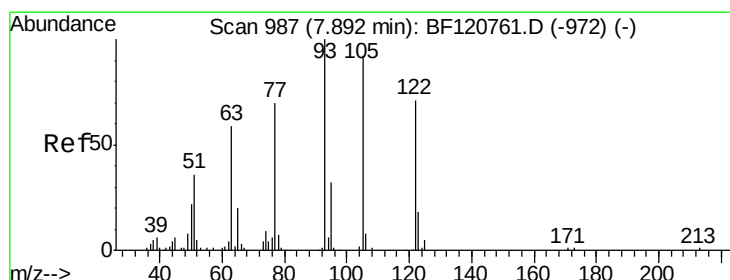
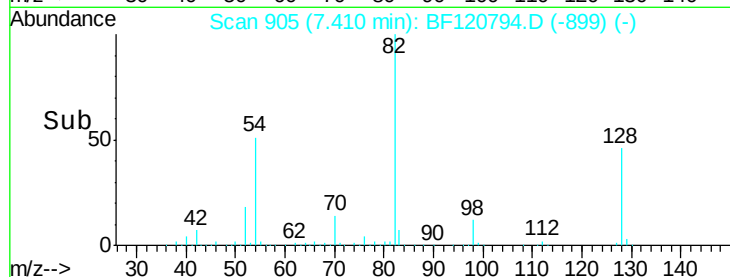
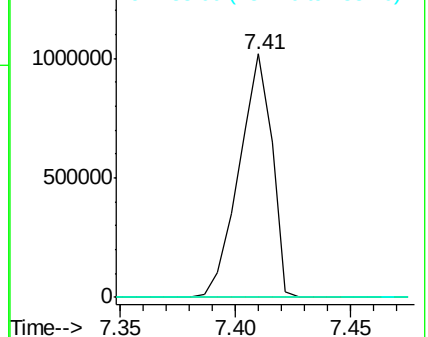
138 0.0 15.0 22.4#



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



#32

Benzoic acid

Concen: 4.401 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.08 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

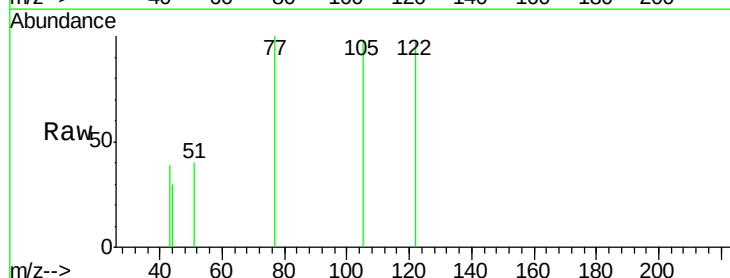
Tgt Ion:122 Resp: 1146

Ion Ratio Lower Upper

122 100

105 99.7 105.8 145.8#

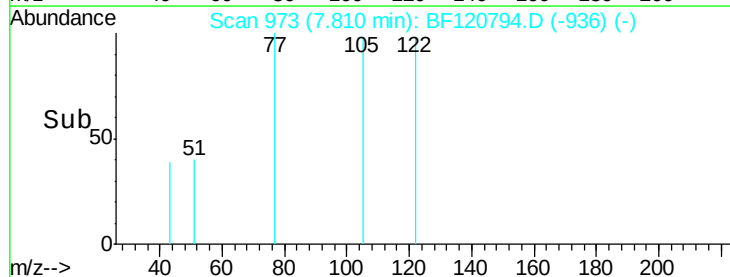
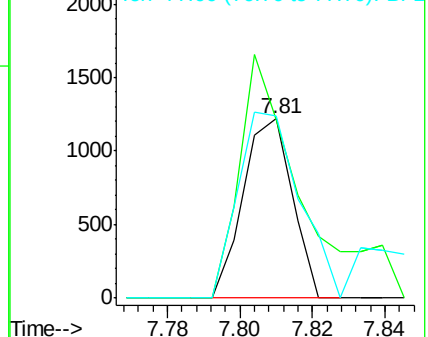
77 101.8 77.3 117.3

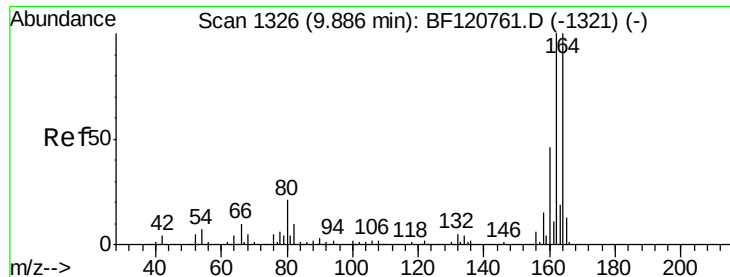


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

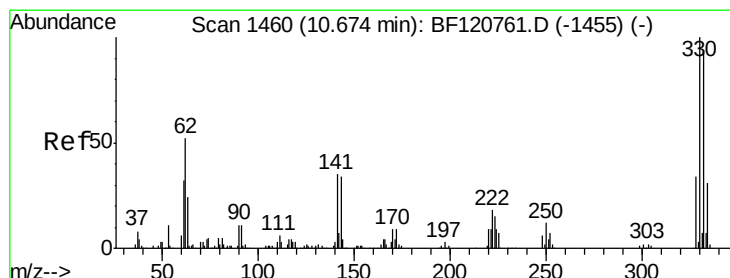
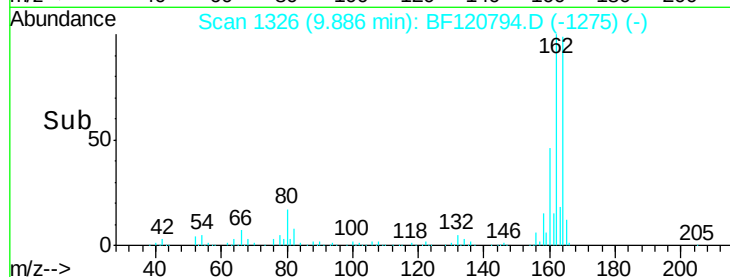
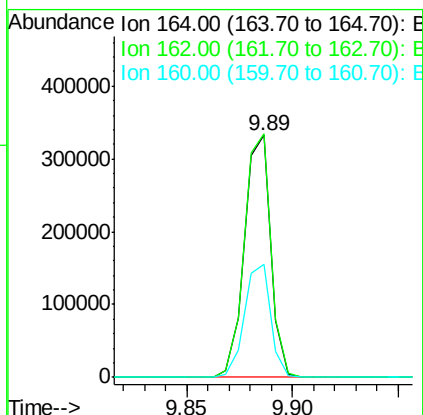
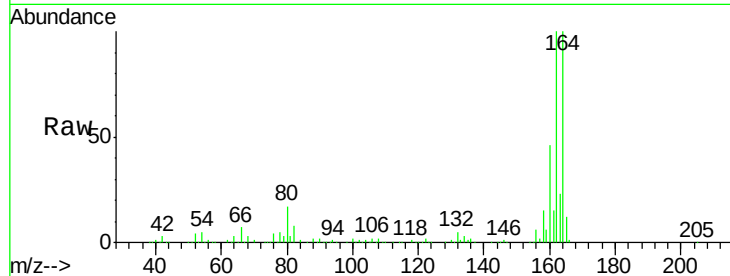




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

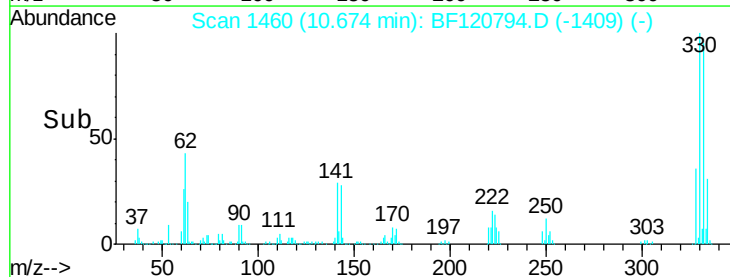
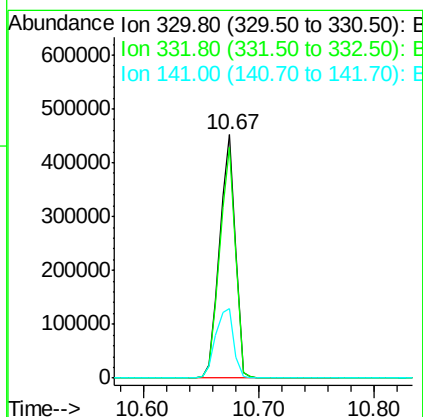
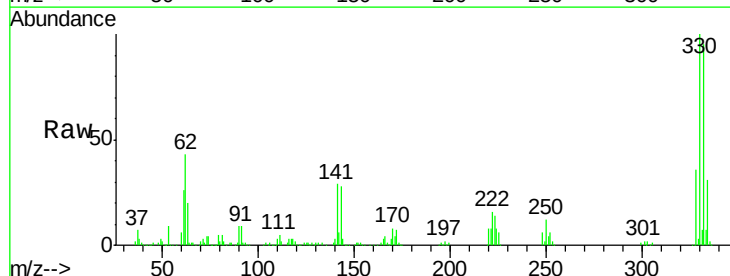
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

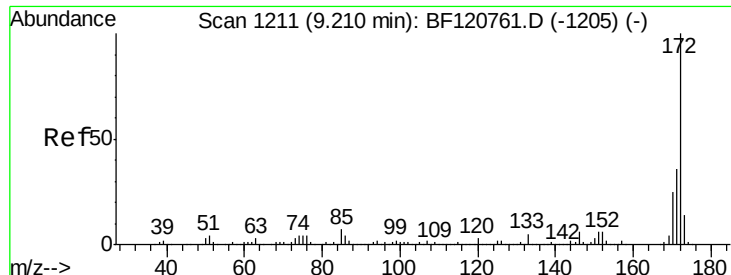
Tot Ion:164 Resp: 286216
 Ion Ratio Lower Upper
 164 100
 162 100.5 80.2 120.2
 160 46.6 36.9 55.3



#42
 2,4,6-Tribromophenol
 Concen: 150.163 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Tgt Ion:330 Resp: 431786
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.8 113.6
 141 32.8 29.7 44.5

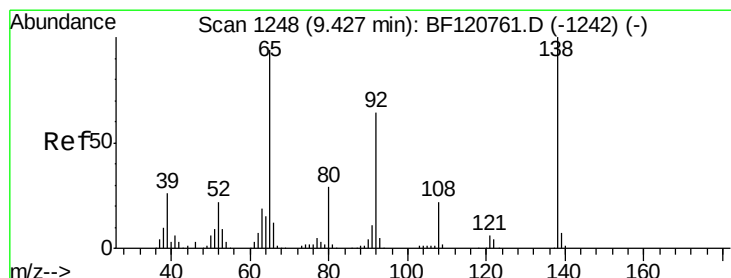
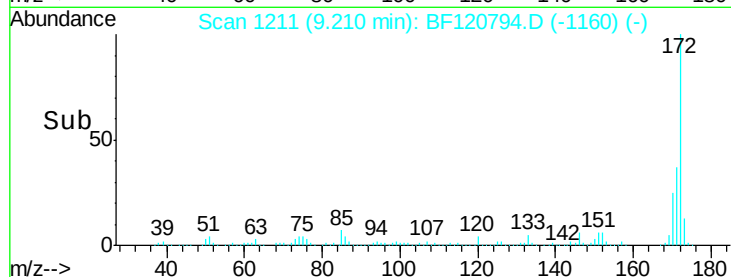
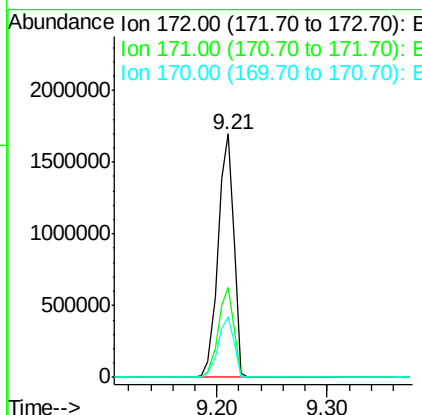
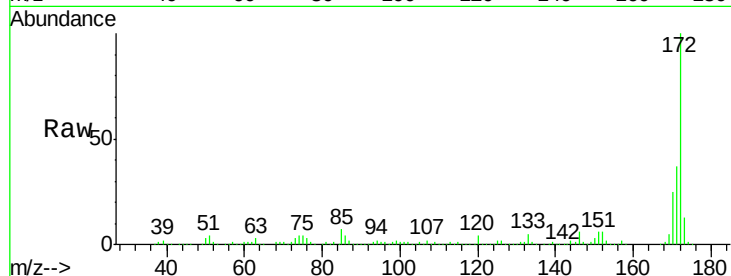




#45
 2-Fluorobiphenyl
 Concen: 88.380 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

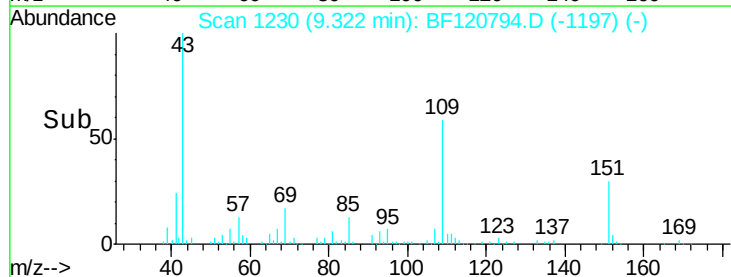
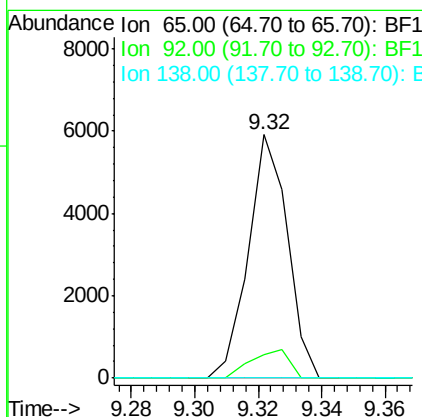
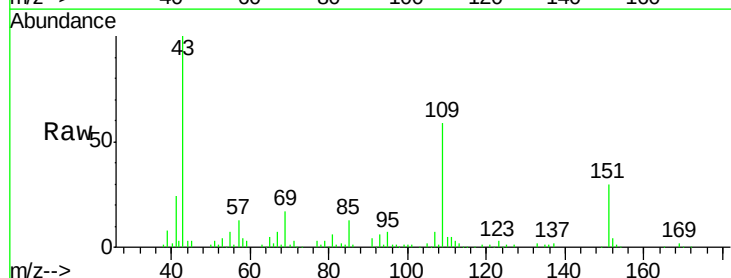
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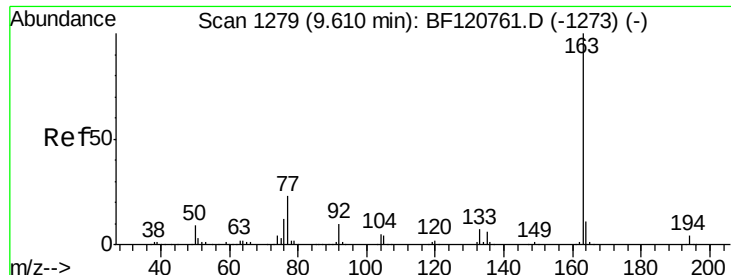
Tot Ion:172 Resp: 1671962
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.1 43.7
 170 25.0 19.8 29.6



#48
 2-Nitroaniline
 Concen: 3.481 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.11 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Tgt Ion: 65 Resp: 5045
 Ion Ratio Lower Upper
 65 100
 92 9.8 54.4 81.6#
 138 0.0 84.7 127.1#

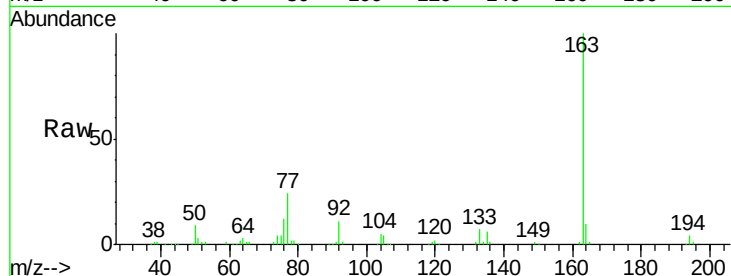




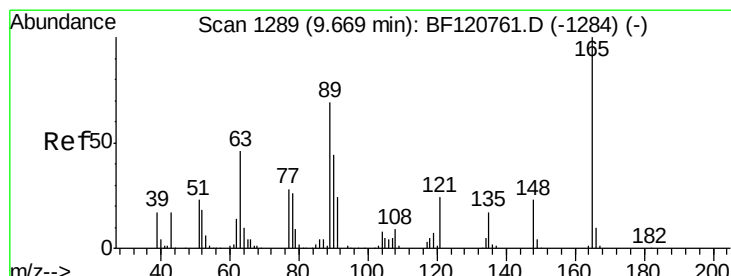
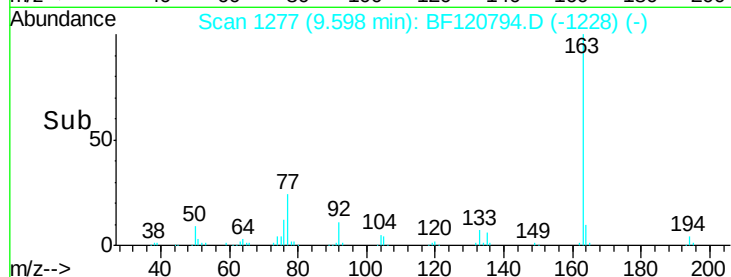
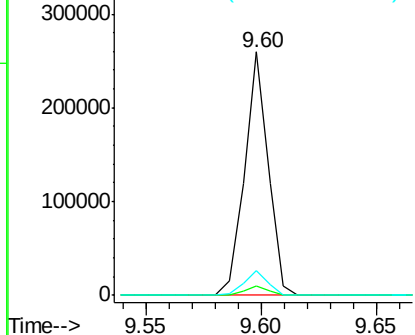
#50
Dimethylphthalate
Concen: 8.874 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120794.D
Acq: 7 Jul 2020 18:27

Instrument :
BNA_F
ClientSampleId :
RO-COMP

Tot Ion:163 Resp: 185283
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.2 8.5 12.7

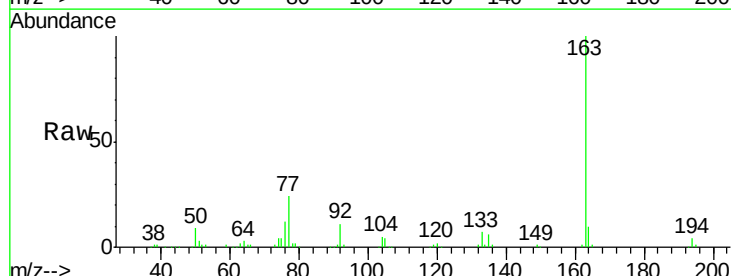


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

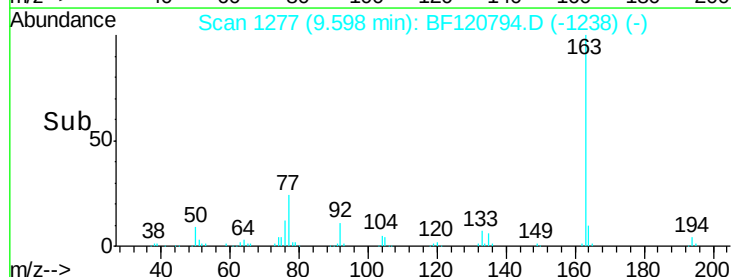
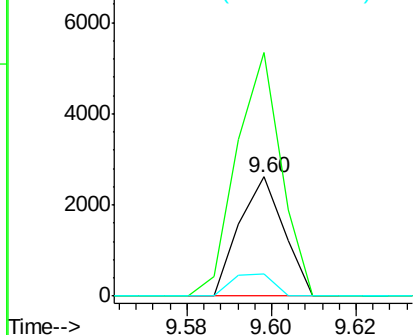


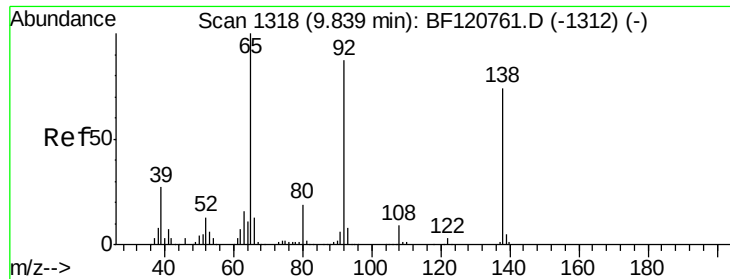
#51
2,6-Dinitrotoluene
Concen: 2.715 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.07 min
Lab File: BF120794.D
Acq: 7 Jul 2020 18:27

Tgt Ion:165 Resp: 1906
Ion Ratio Lower Upper
165 100
63 204.3 54.0 81.0#
89 18.5 55.4 83.2#



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

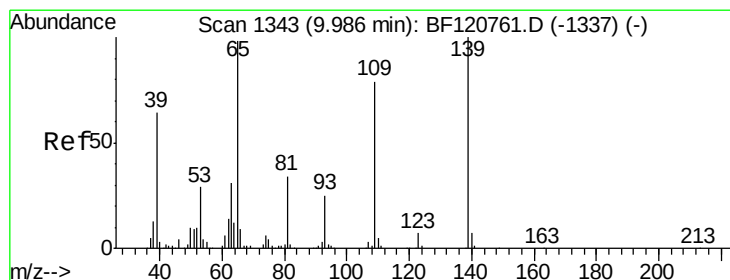
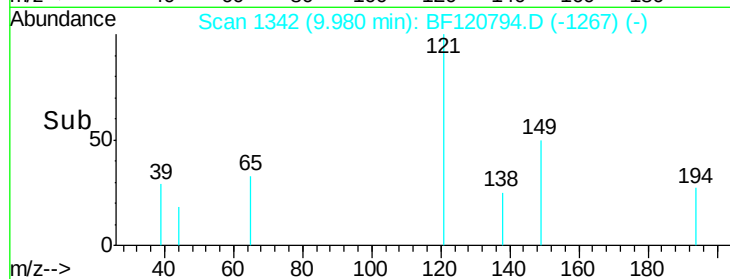
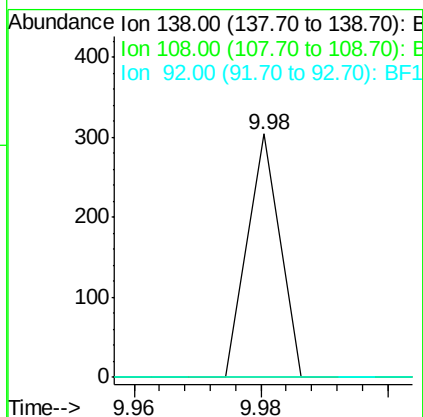
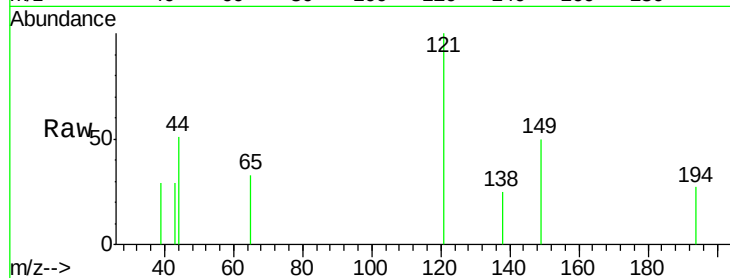




#53
 3-Nitroaniline
 Concen: 2.184 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.14 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

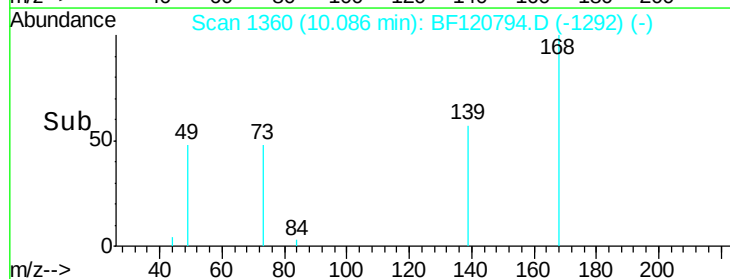
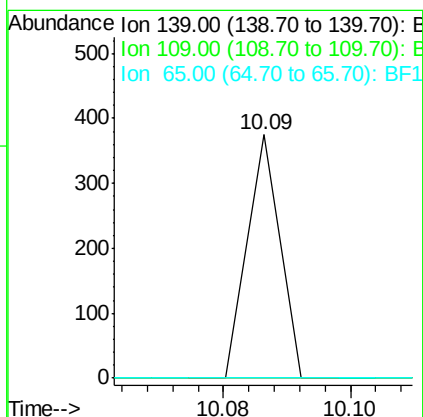
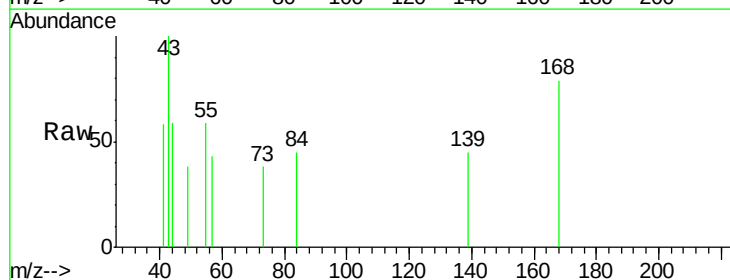
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

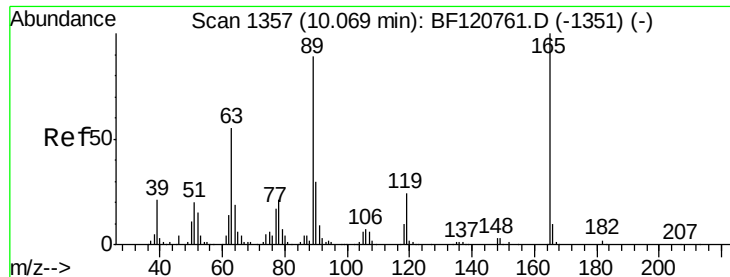
Tot Ion:138 Resp: 107
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.8 14.6#
 92 0.0 93.4 140.2#



#56
 4-Nitrophenol
 Concen: 2.125 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.10 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Tgt Ion:139 Resp: 132
 Ion Ratio Lower Upper
 139 100
 109 0.0 58.6 98.6#
 65 0.0 78.7 118.7#

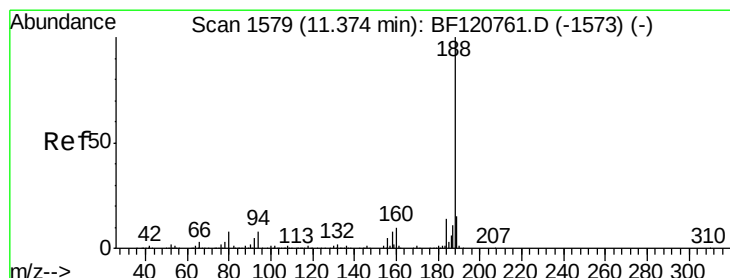
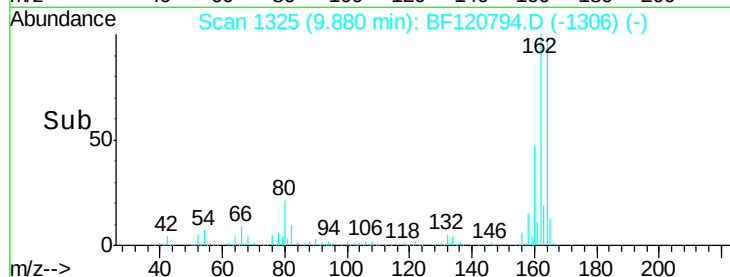
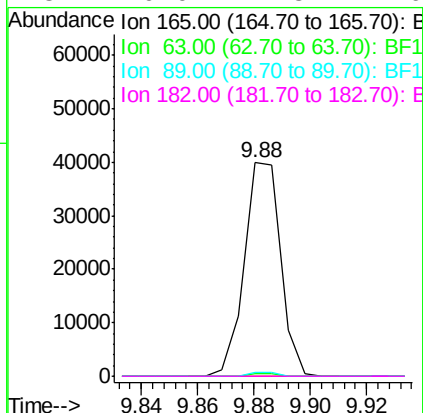
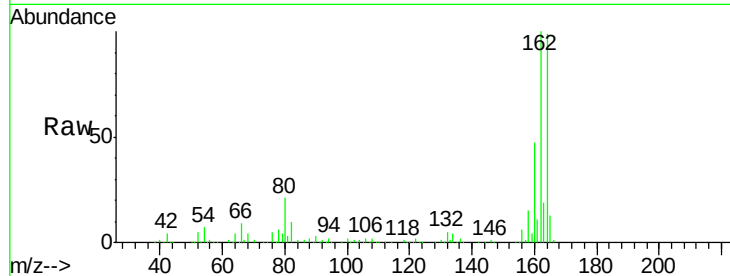




#57
 2,4-Dinitrotoluene
 Concen: 9.539 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

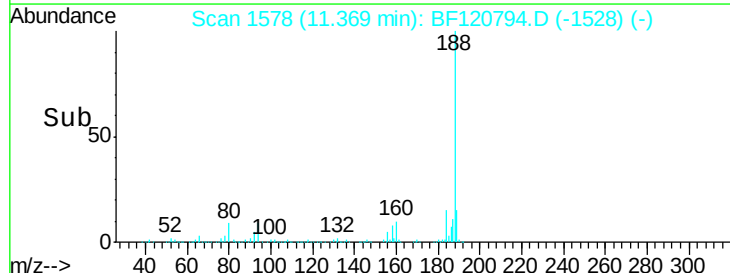
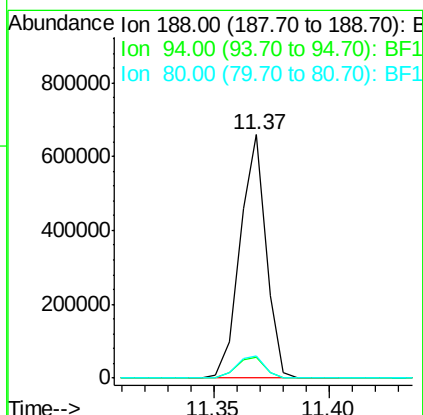
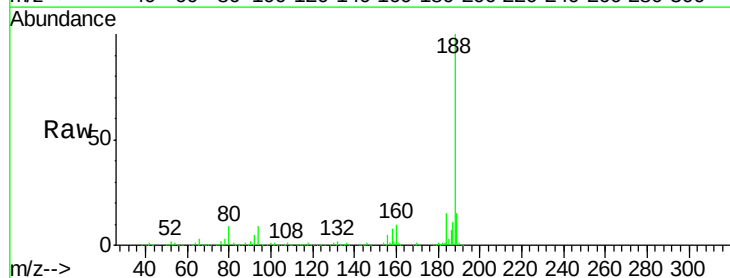
Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

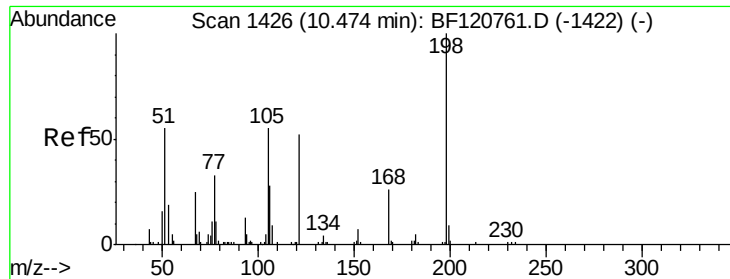
Tot Ion:165 Resp: 35702
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.8 65.8#
 89 1.7 71.4 107.2#
 182 0.0 1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Tgt Ion:188 Resp: 517460
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 9.8
 80 8.9 6.6 10.0

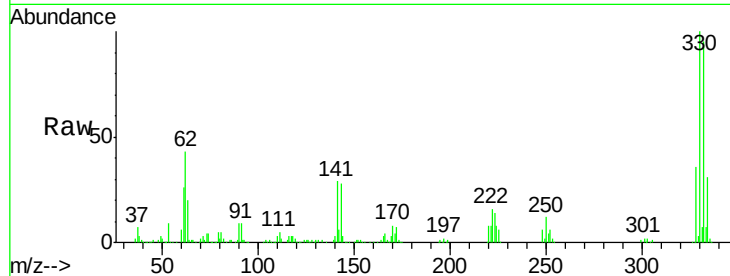




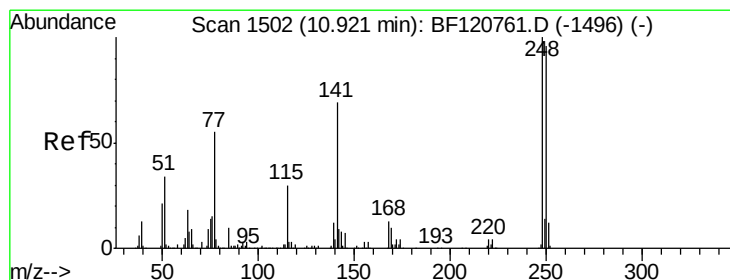
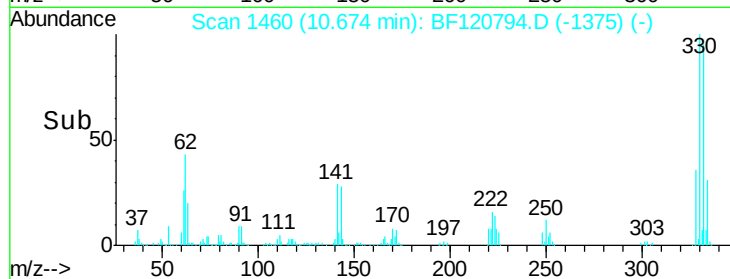
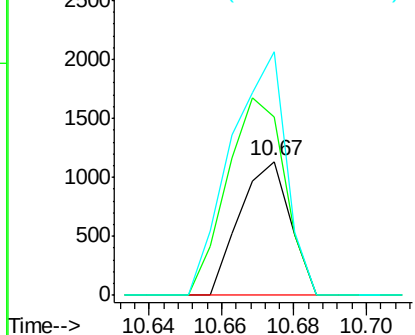
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.443 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.20 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP

Tot Ion:198 Resp: 1109
 Ion Ratio Lower Upper
 198 100
 51 133.8 50.0 90.0#
 105 182.3 38.3 78.3#

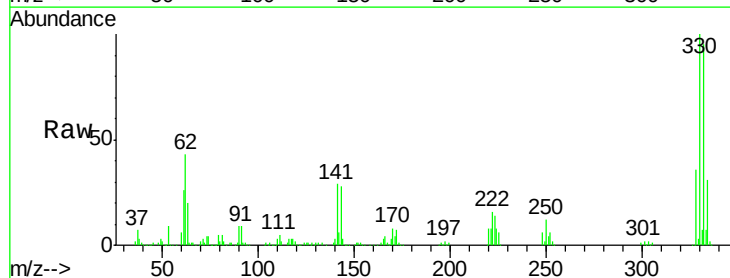


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

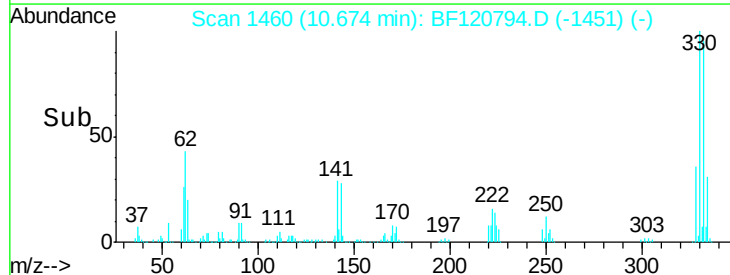
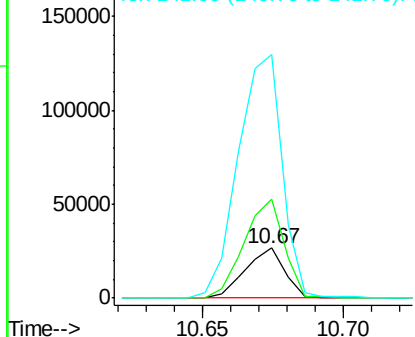


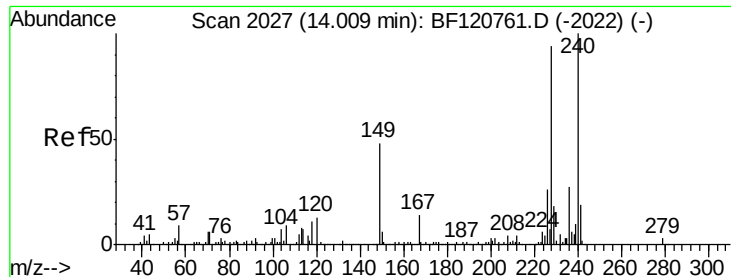
#67
 4-Bromophenyl-phenylether
 Concen: 4.259 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.25 min
 Lab File: BF120794.D
 Acq: 7 Jul 2020 18:27

Tgt Ion:248 Resp: 25562
 Ion Ratio Lower Upper
 248 100
 250 198.1 76.5 114.7#
 141 484.1 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

Chrvsene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Instrument :

BNA_F

ClientSampleId :

RO-COMP

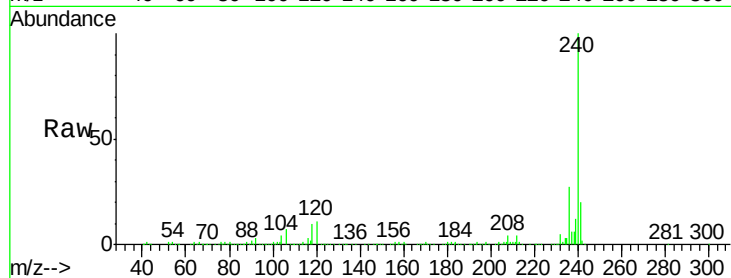
Tot Ion:240 Resp: 356113

Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

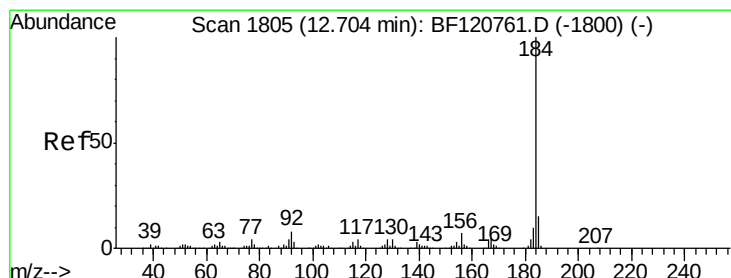
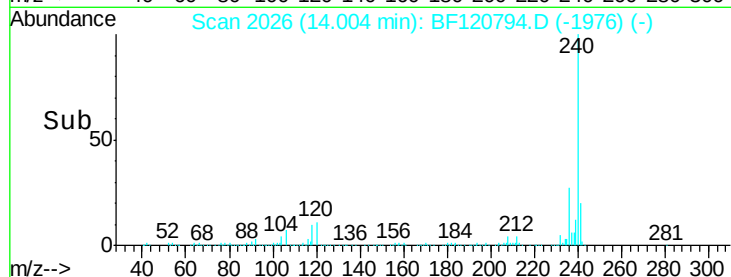
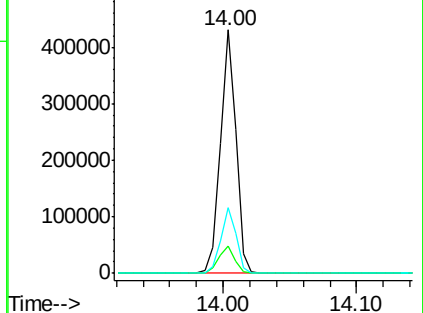
236 27.0 21.4 32.2



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: 2.829 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.26 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

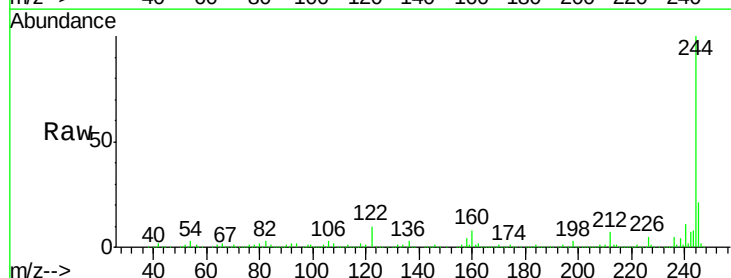
Tgt Ion:184 Resp: 28435

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.8

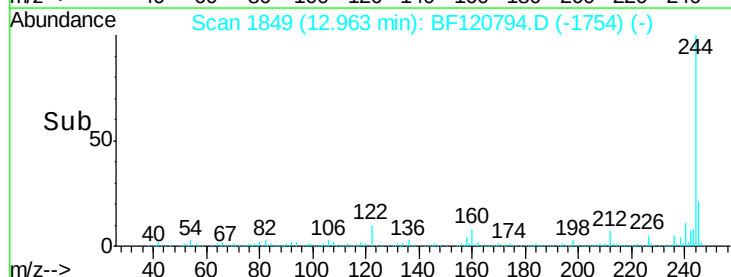
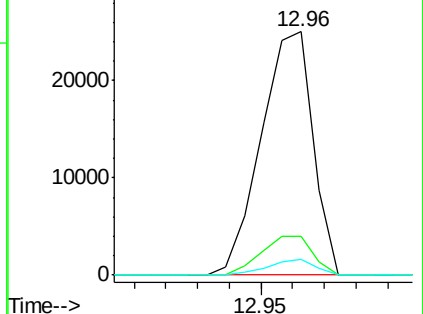
183 6.4 8.3 12.5#

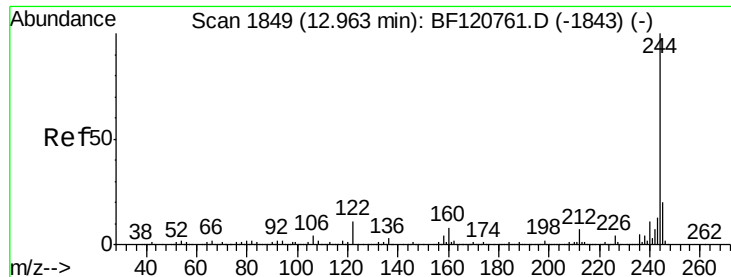


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.790 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120794.D

Acq: 7 Jul 2020 18:27

Instrument :

BNA_F

ClientSampleId :

RO-COMP

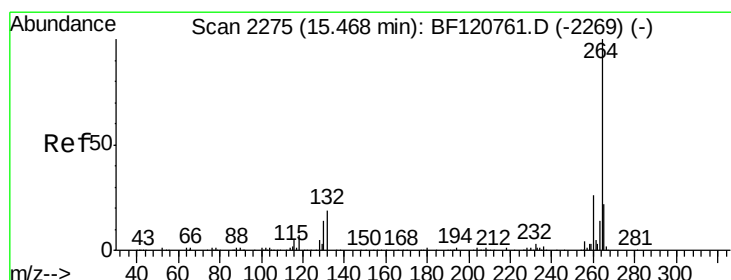
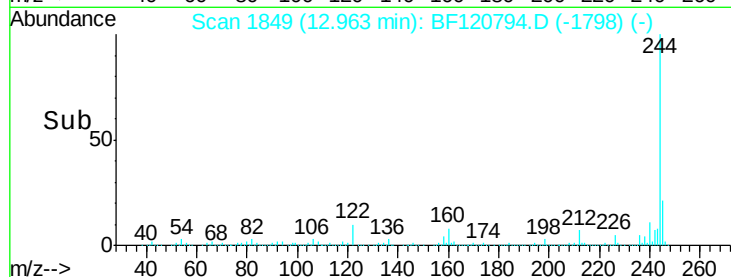
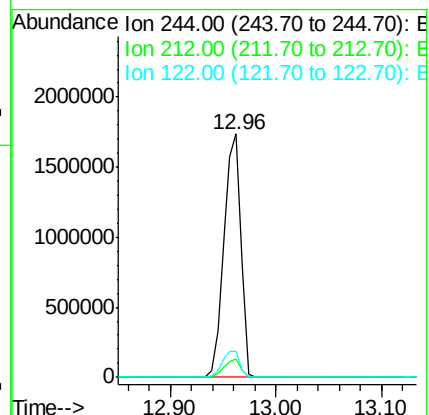
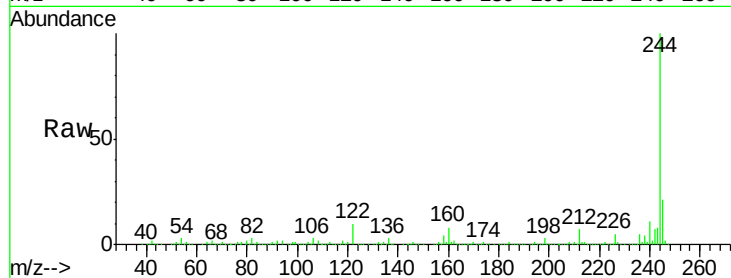
Tot Ion:244 Resp: 1960560

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.4	9.0	13.4

244 100

212 7.4 5.6 8.4

122 10.4 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: BF120794.D

Acq: 7 Jul 2020 18:27

Tgt Ion:264 Resp: 286220

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.6	30.8
265	21.4	17.6	26.4

264 100

260 24.1 20.6 30.8

265 21.4 17.6 26.4

