

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120798.D
 Acq On : 7 Jul 2020 20:20
 Operator : JU/CG
 Sample : L3205-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12013

Quant Time: Jul 08 01:17:27 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	149633	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	565942	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	280887	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	513032	20.00	ng	0.00
76) Chrysene-d12	14.00	240	353112	20.00	ng	0.00
86) Perylene-d12	15.47	264	280662	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	958045	98.83	ng	0.00
7) Phenol-d6	6.47	99	1027296	82.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	877483	89.83	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	394194	139.69	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1537621	82.82	ng	0.00
79) Terphenyl-d14	12.96	244	1906206	105.69	ng	0.00

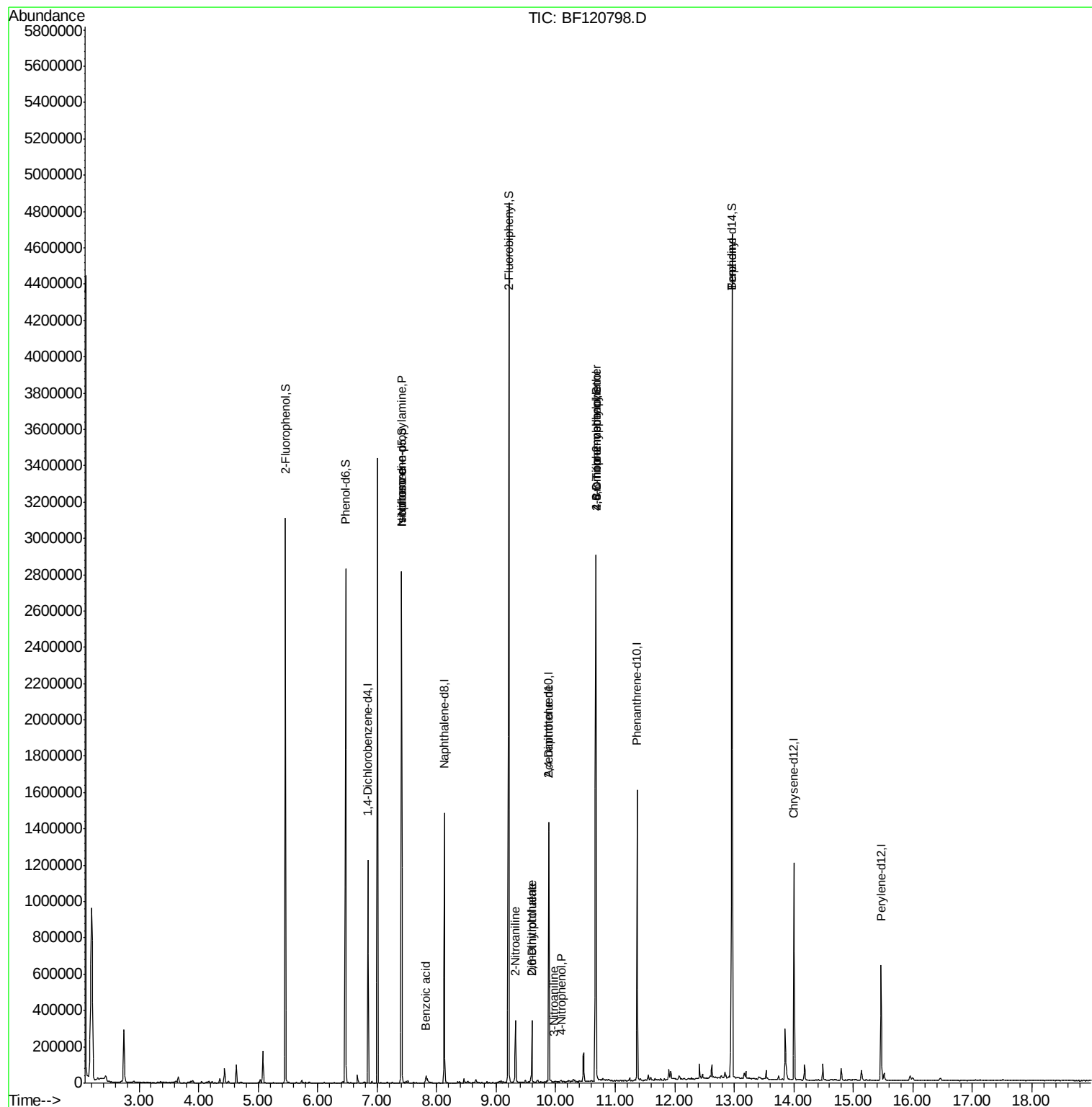
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	120461	16.162	ng	# 77
25) Isophorone	7.41	82	877334	41.647	ng	# 64
32) Benzoic acid	7.82	122	11557	5.997	ng	# 97
48) 2-Nitroaniline	9.32	65	3274	3.189	ng	# 12
50) Dimethylphthalate	9.60	163	110953	5.415	ng	# 98
51) 2,6-Dinitrotoluene	9.60	165	1220	2.563	ng	# 7
53) 3-Nitroaniline	9.98	138	266	2.214	ng	# 1
56) 4-Nitrophenol	10.09	139	445	2.206	ng	# 34
57) 2,4-Dinitrotoluene	9.88	165	36443	9.799	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	918	7.371	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	23481	3.946	ng	# 1
77) Benzidine	12.96	184	28125	2.822	ng	# 95

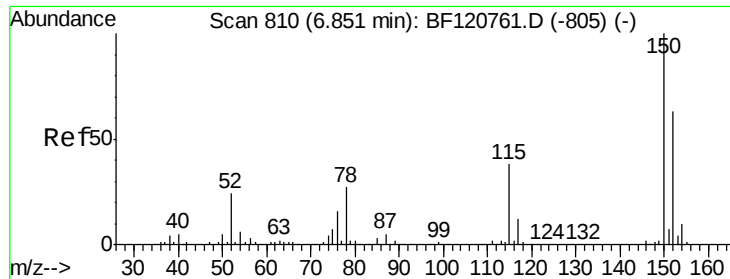
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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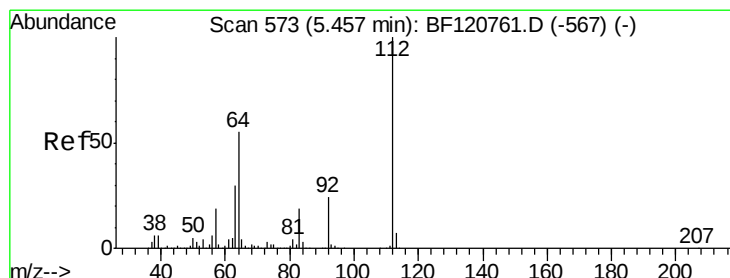
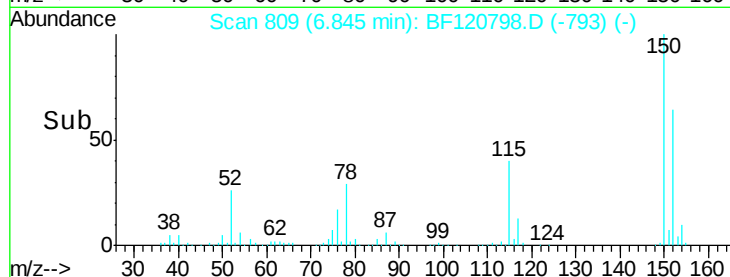
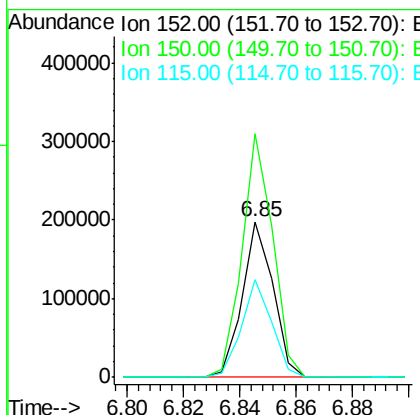
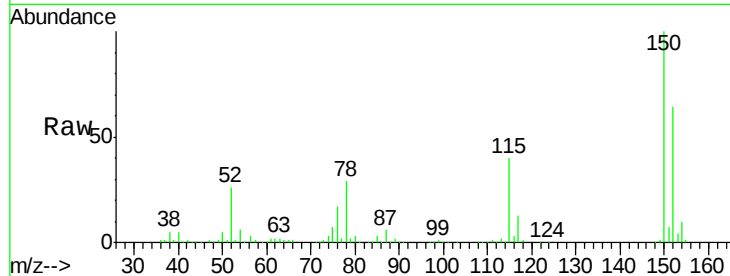




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

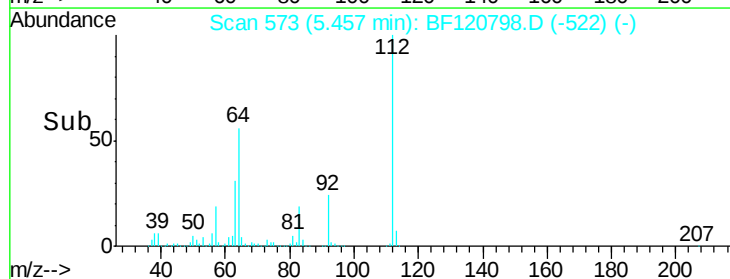
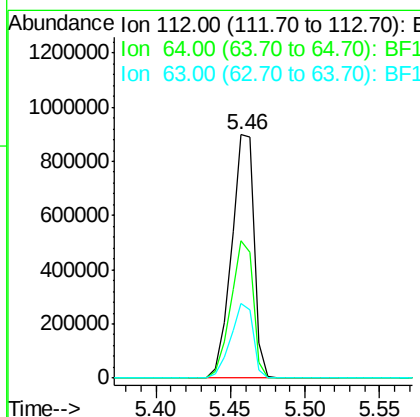
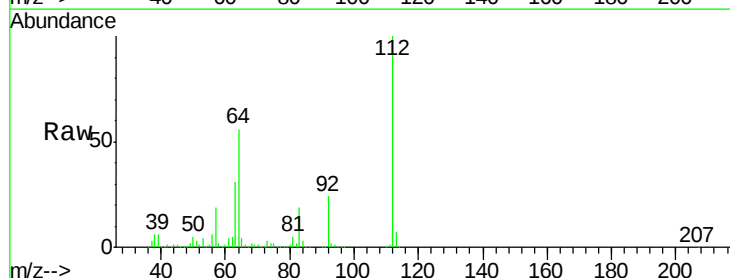
Instrument :
 BNA_F
 ClientSampled :
 12013

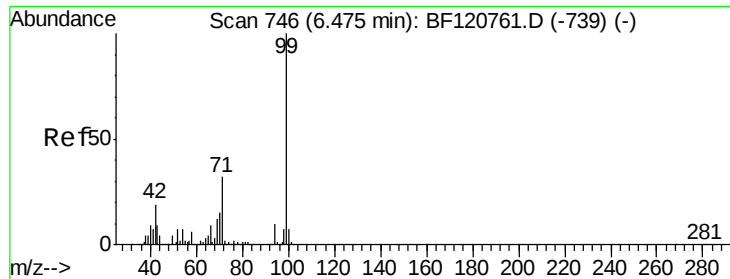
Tot Ion:152 Resp: 149633
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.1 189.1
 115 62.4 48.5 72.7



#5
 2-Fluorophenol
 Concen: 98.834 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Tgt Ion:112 Resp: 958045
 Ion Ratio Lower Upper
 112 100
 64 56.5 43.8 65.6
 63 30.6 23.6 35.4





#7

Phenol-d6

Concen: 82.987 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampled :
12013

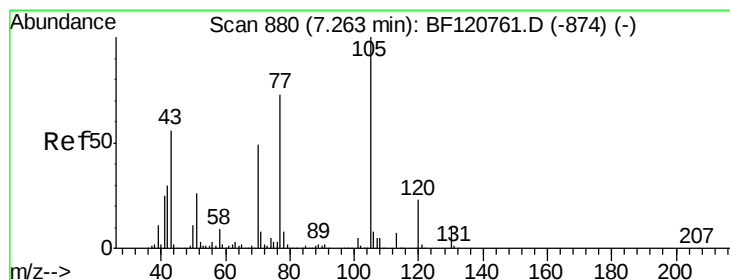
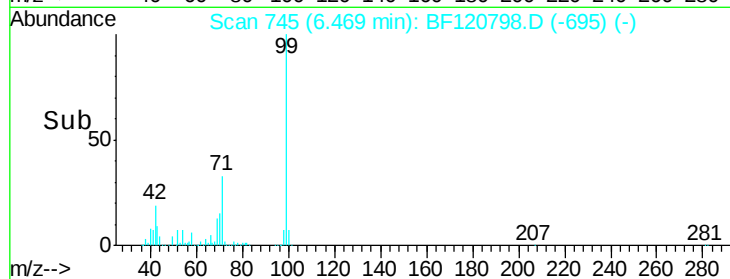
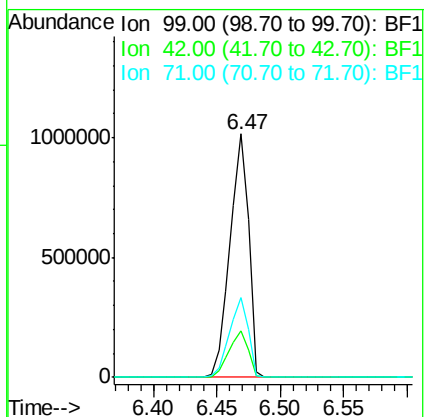
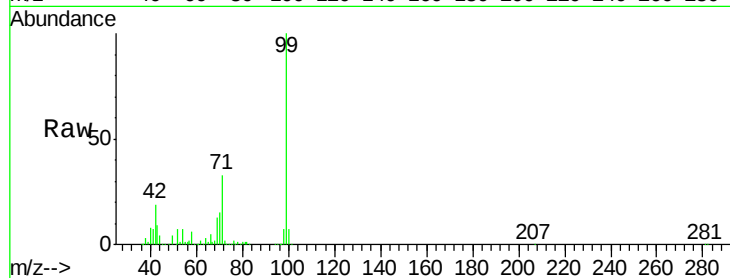
Tot Ion: 99 Resp: 1027296

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.0

71 32.8 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 16.162 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Tgt Ion: 70 Resp: 120461

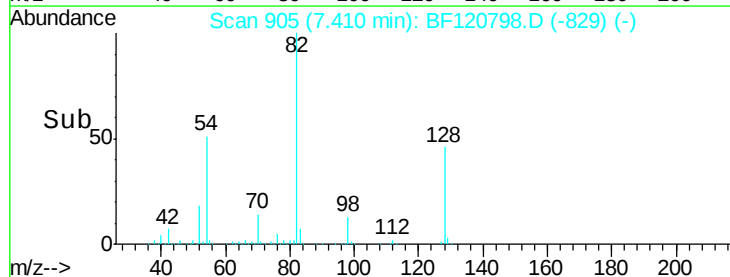
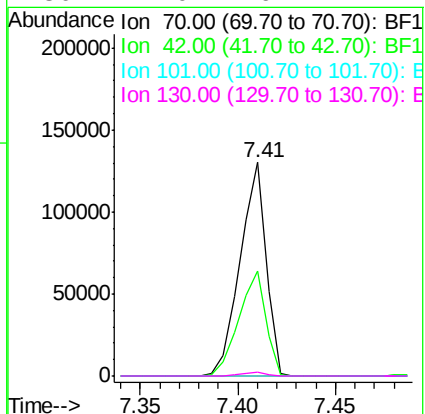
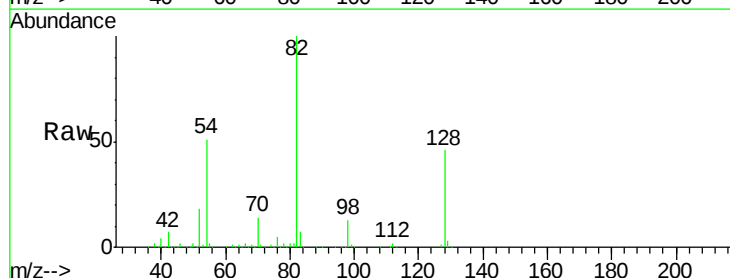
Ion Ratio Lower Upper

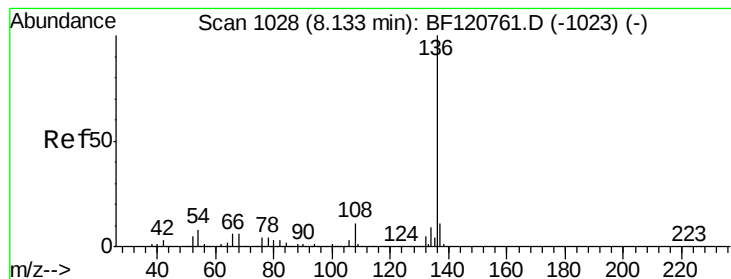
70 100

42 49.4 50.3 75.5#

101 0.0 7.5 11.3#

130 2.0 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: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampled :
12013

Tot Ion:136 Resp: 565942

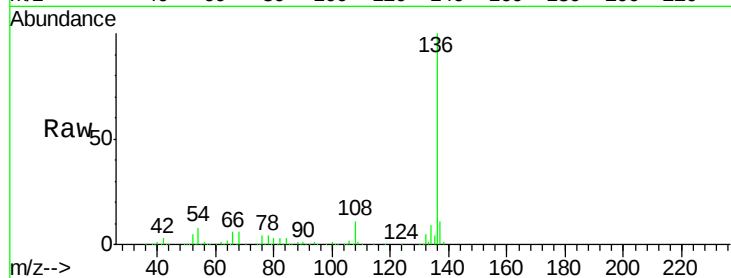
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.4 6.2 9.4

68 5.8 4.7 7.1

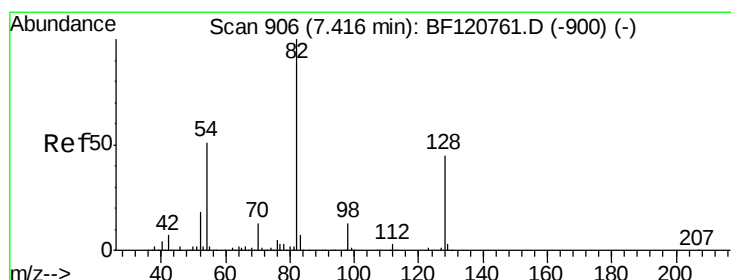
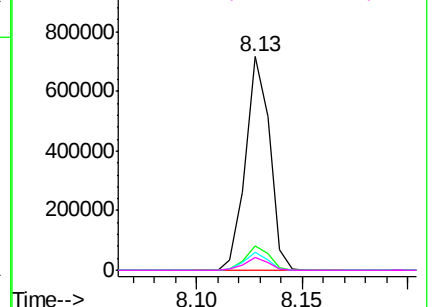
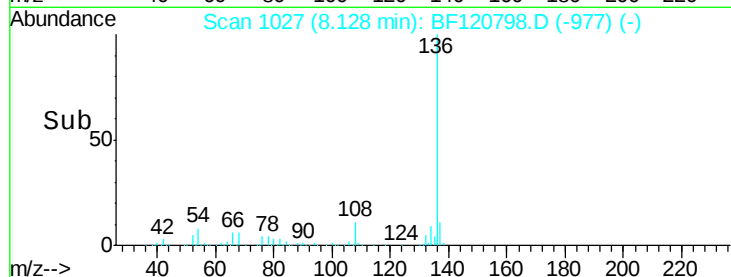


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.831 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

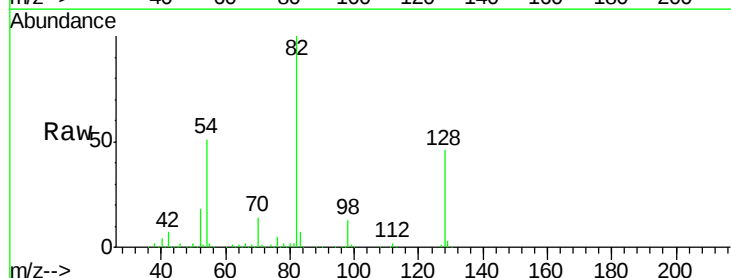
Tgt Ion: 82 Resp: 877483

Ion Ratio Lower Upper

82 100

128 45.8 35.7 53.5

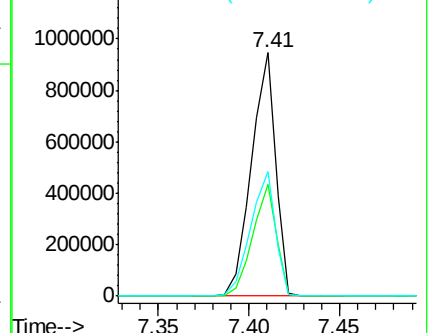
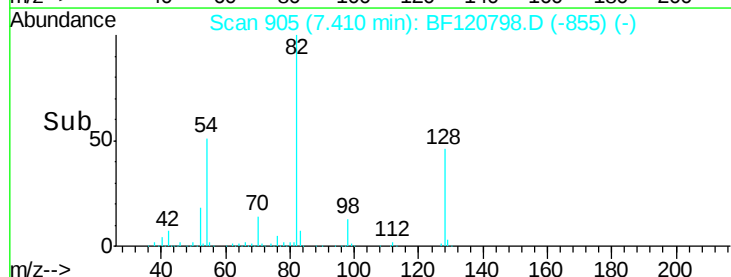
54 51.2 40.9 61.3

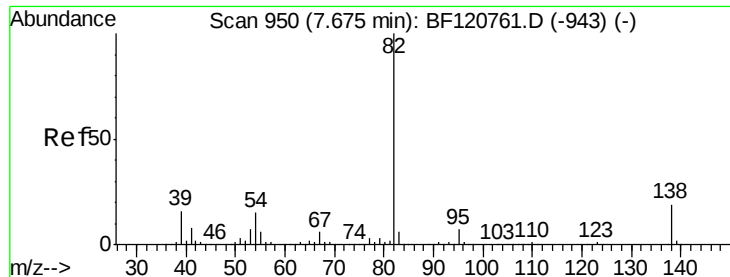


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.647 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :

12013

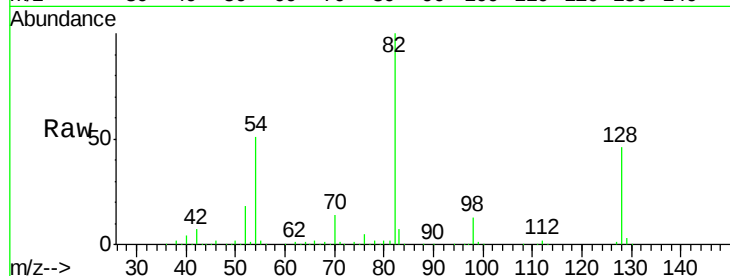
Tot Ion: 82 Resp: 877334

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

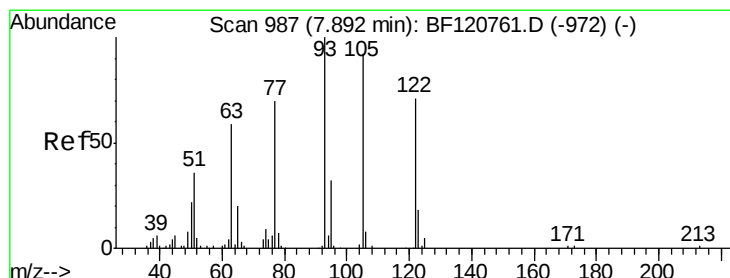
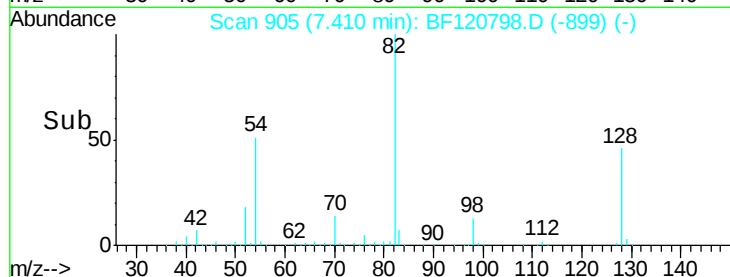
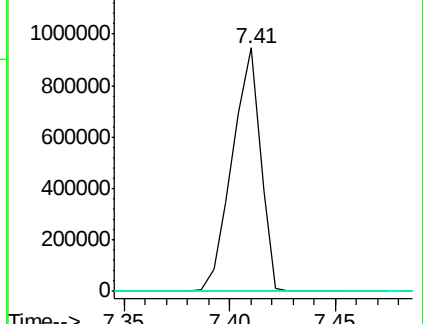
138 0.0 15.0 22.4#



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: 5.997 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

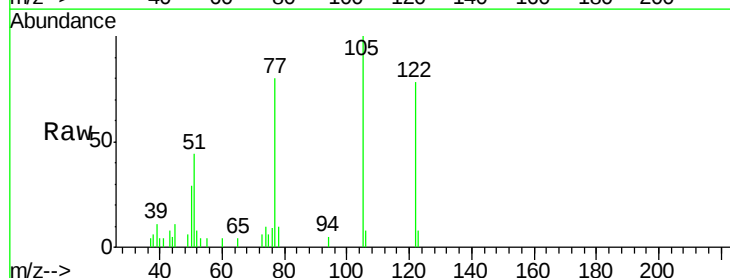
Tgt Ion: 122 Resp: 11557

Ion Ratio Lower Upper

122 100

105 128.1 105.8 145.8

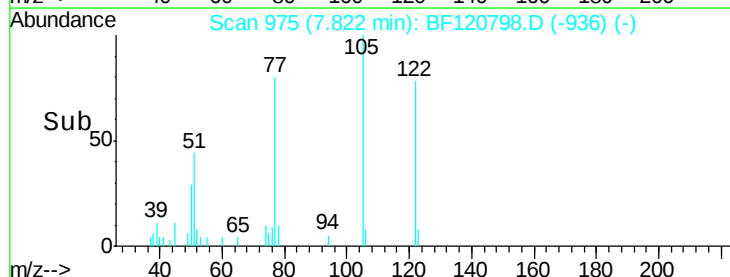
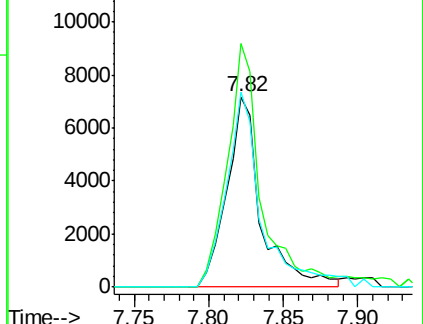
77 102.4 77.3 117.3

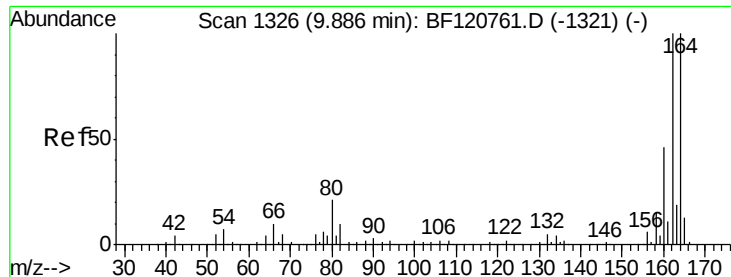


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

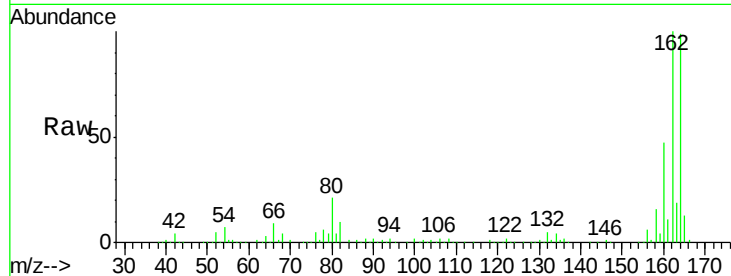




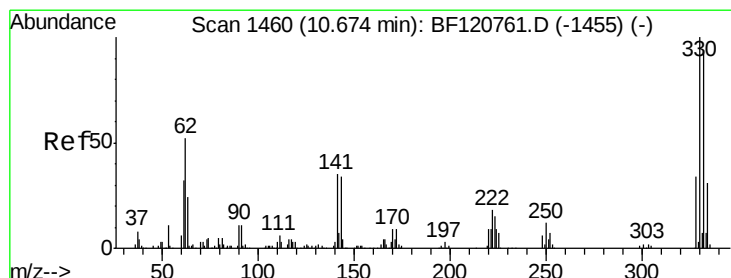
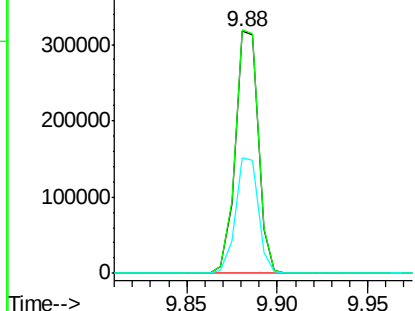
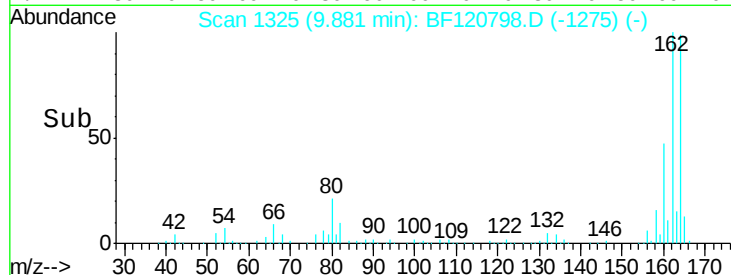
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:164 Resp: 280887
 Ion Ratio Lower Upper
 164 100
 162 100.5 80.2 120.2
 160 47.5 36.9 55.3

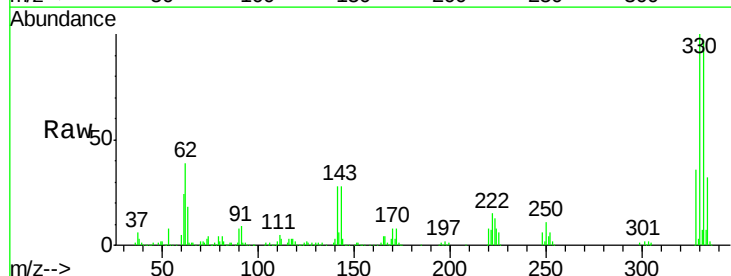


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

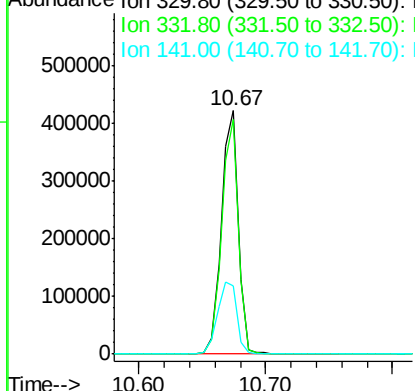
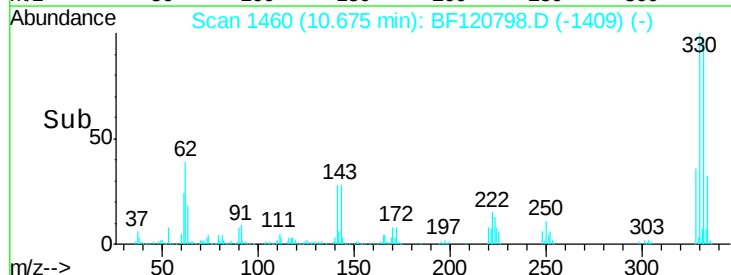


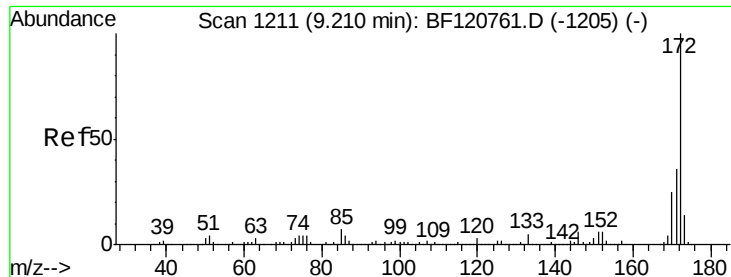
#42
 2,4,6-Tribromophenol
 Concen: 139.690 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Tgt Ion:330 Resp: 394194
 Ion Ratio Lower Upper
 330 100
 332 95.2 75.8 113.6
 141 34.2 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

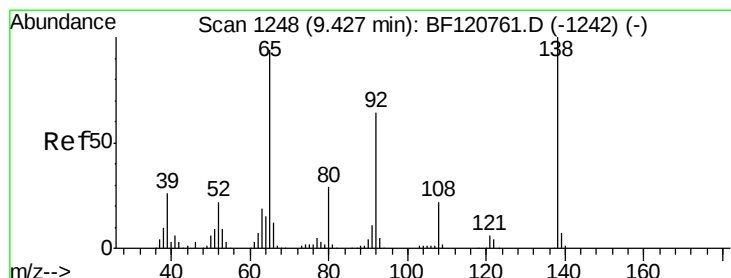
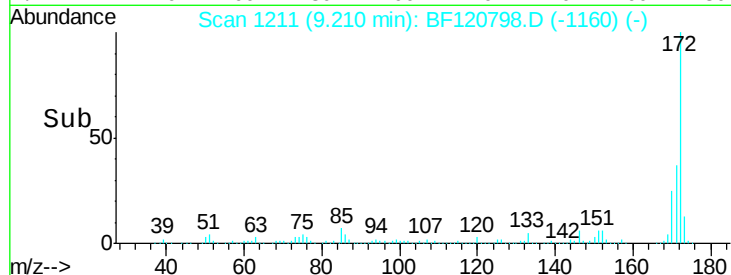
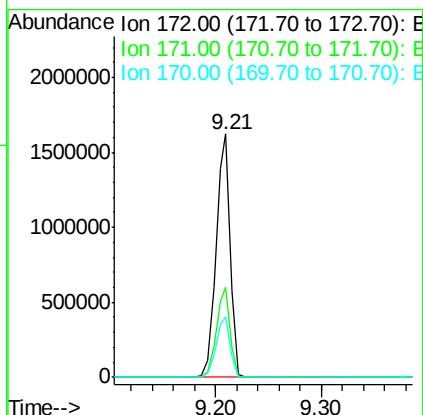
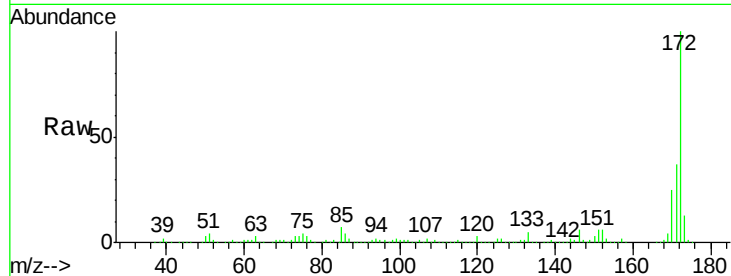




#45
 2-Fluorobiphenyl
 Concen: 82.821 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

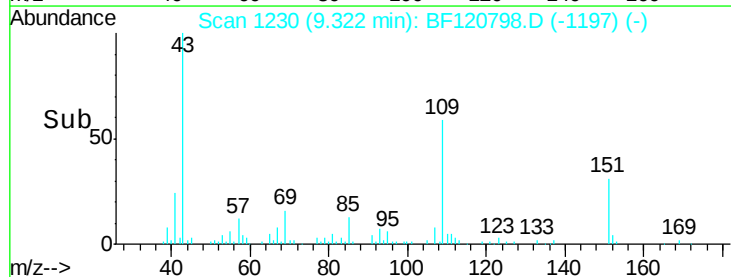
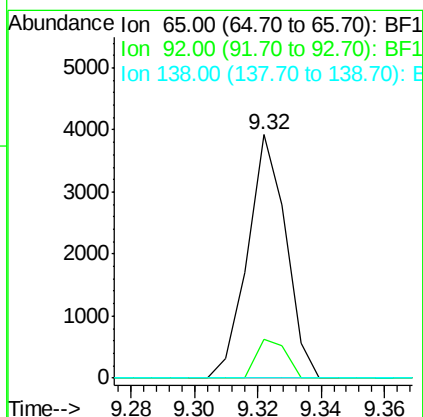
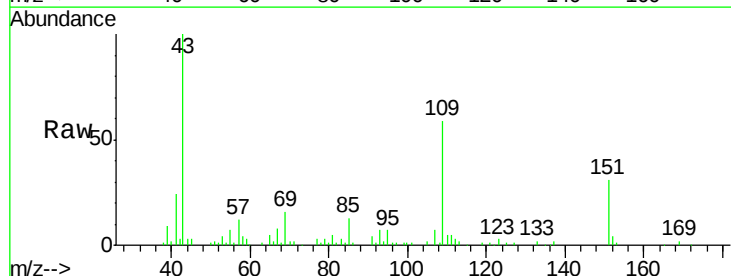
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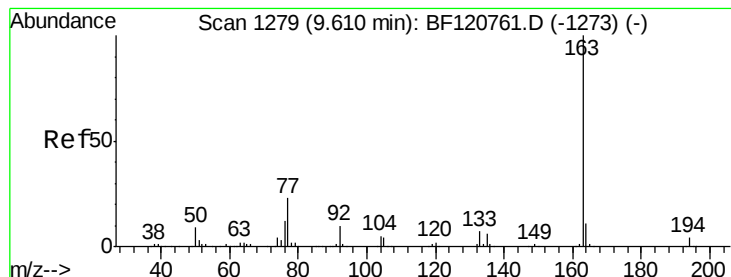
Tot Ion:172 Resp: 1537621
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.1 43.7
 170 25.1 19.8 29.6



#48
 2-Nitroaniline
 Concen: 3.189 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.11 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Tgt Ion: 65 Resp: 3274
 Ion Ratio Lower Upper
 65 100
 92 15.9 54.4 81.6#
 138 0.0 84.7 127.1#





#50

Dimethylphthalate

Concen: 5.415 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :
12013

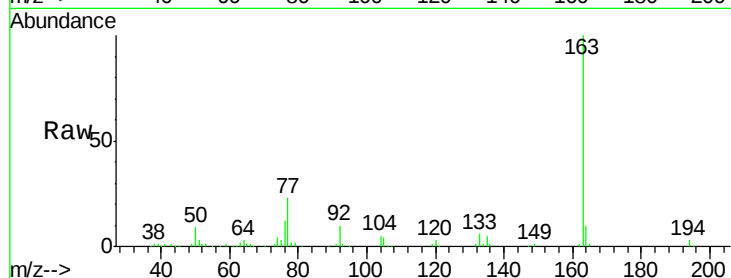
Tot Ion:163 Resp: 110953

Ion Ratio Lower Upper

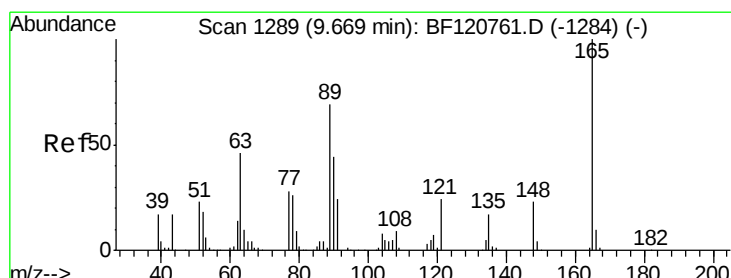
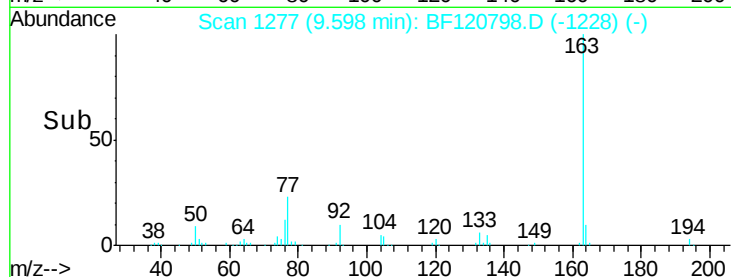
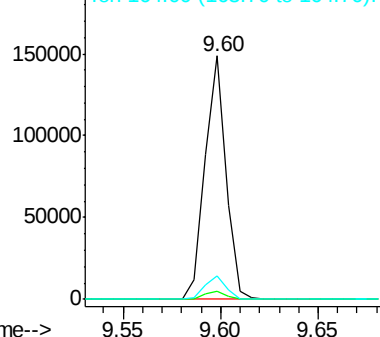
163 100

194 3.4 2.9 4.3

164 9.5 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: 2.563 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.07 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

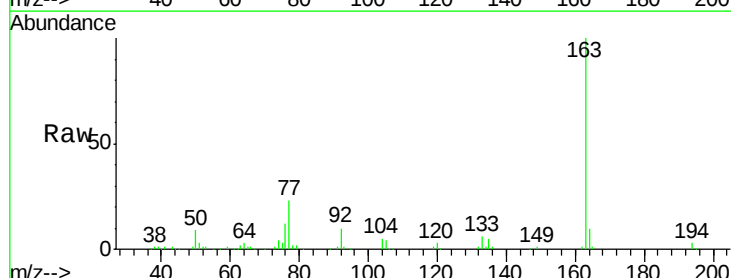
Tgt Ion:165 Resp: 1220

Ion Ratio Lower Upper

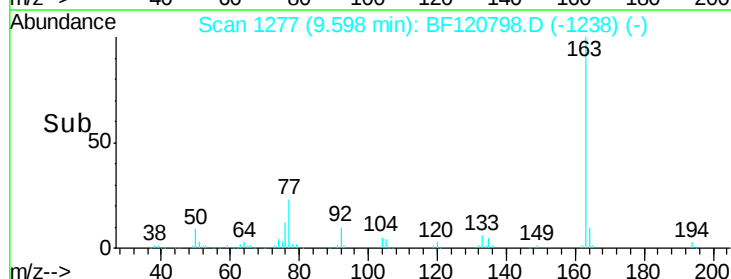
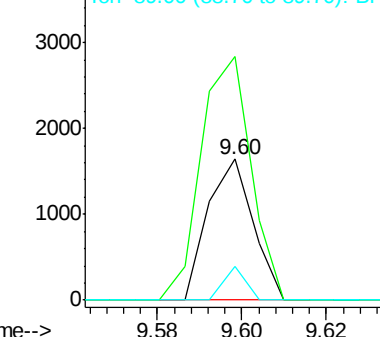
165 100

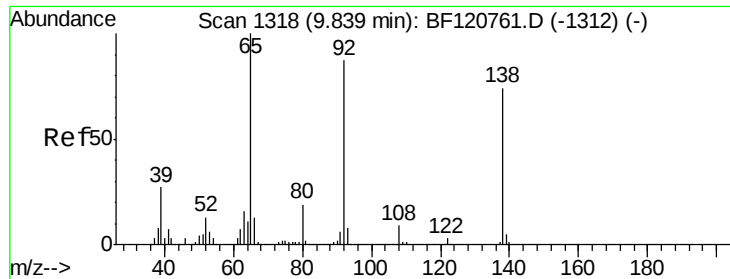
63 173.1 54.0 81.0#

89 23.6 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

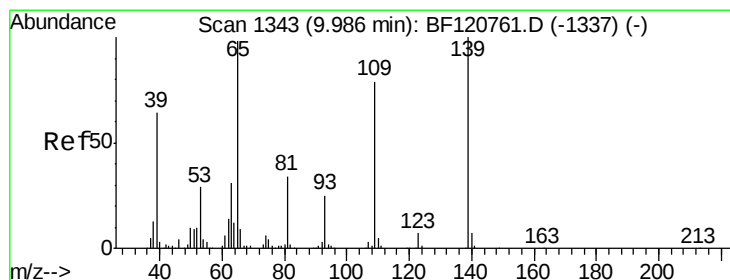
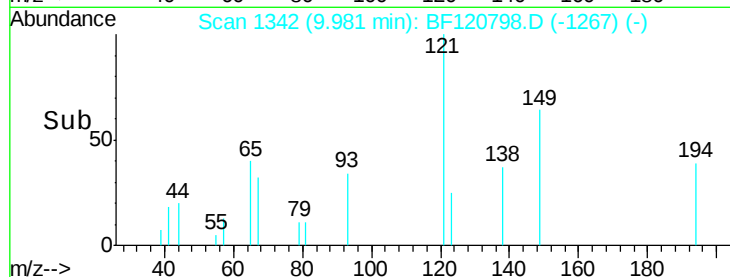
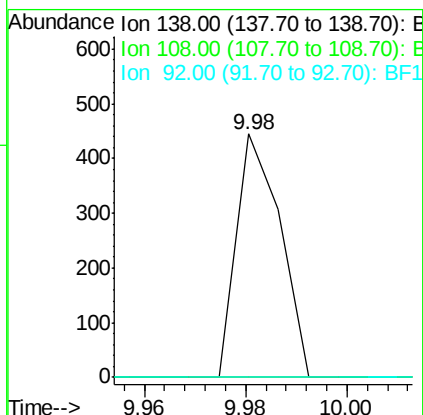
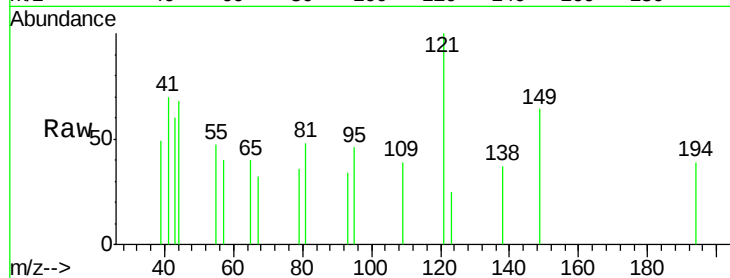




#53
 3-Nitroaniline
 Concen: 2.214 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.14 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

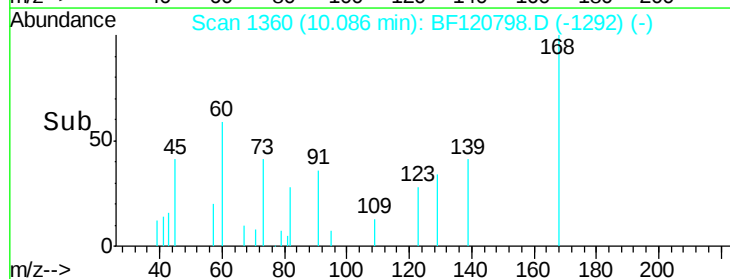
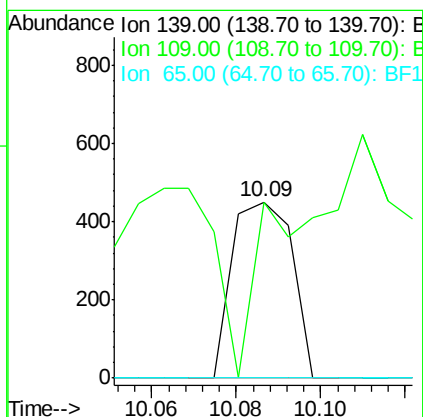
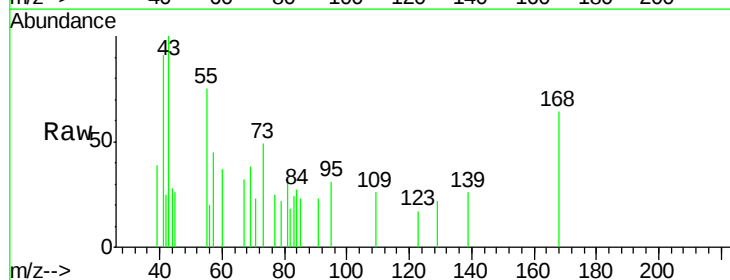
Instrument :
 BNA_F
 ClientSampleId :
 12013

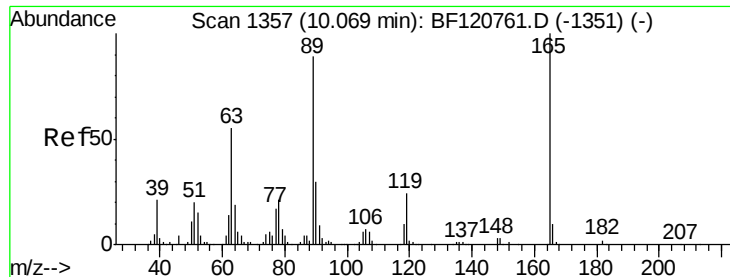
Tot Ion:138 Resp: 266
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.8 14.6#
 92 0.0 93.4 140.2#



#56
 4-Nitrophenol
 Concen: 2.206 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.10 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Tgt Ion:139 Resp: 445
 Ion Ratio Lower Upper
 139 100
 109 100.0 58.6 98.6#
 65 0.0 78.7 118.7#

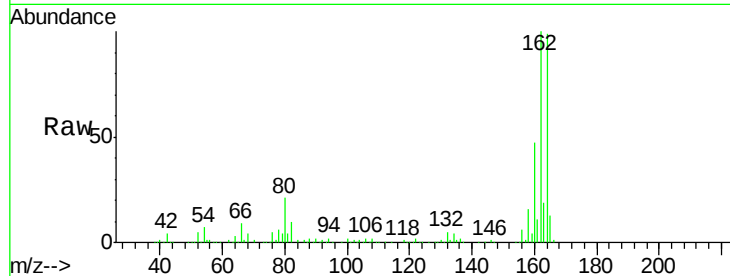




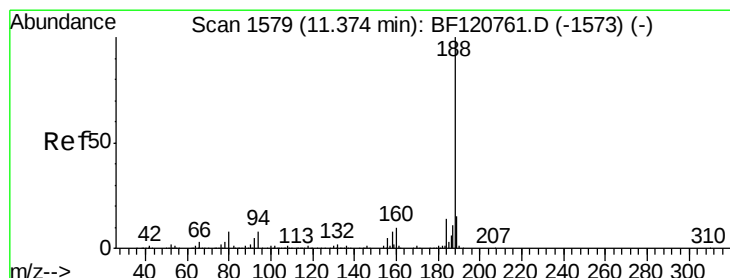
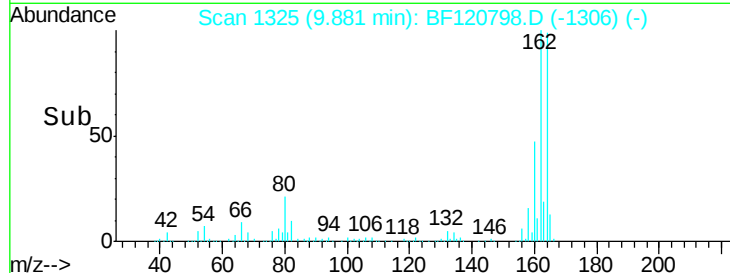
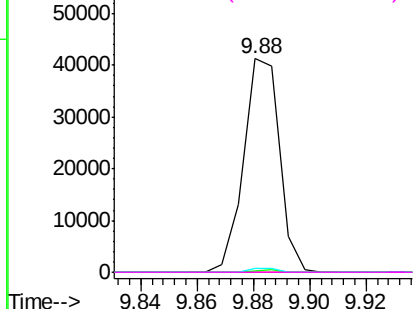
#57
 2,4-Dinitrotoluene
 Concen: 9.799 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :
 12013

Tot Ion:165 Resp: 36443
 Ion Ratio Lower Upper
 165 100
 63 0.8 43.8 65.8#
 89 1.7 71.4 107.2#
 182 0.0 1.8 2.6#

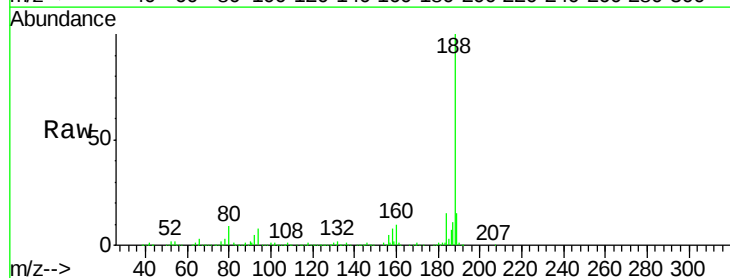


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

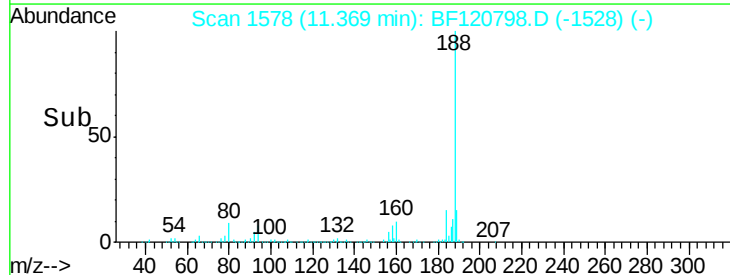
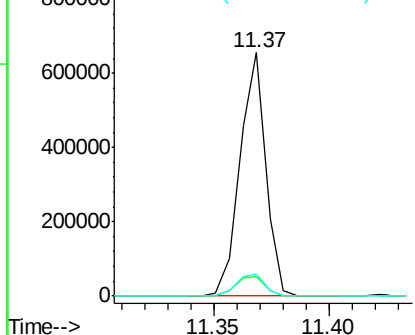


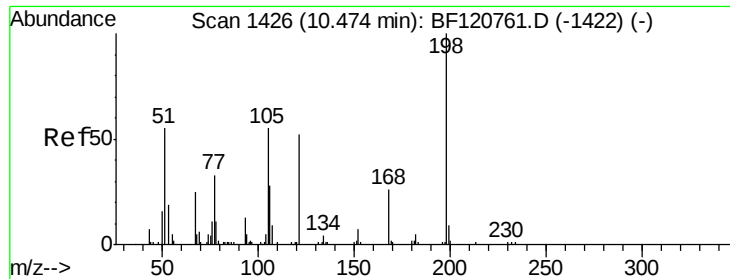
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120798.D
 Acq: 7 Jul 2020 20:20

Tgt Ion:188 Resp: 513032
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.6 9.8
 80 9.2 6.6 10.0



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: 7.371 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.20 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampled :

12013

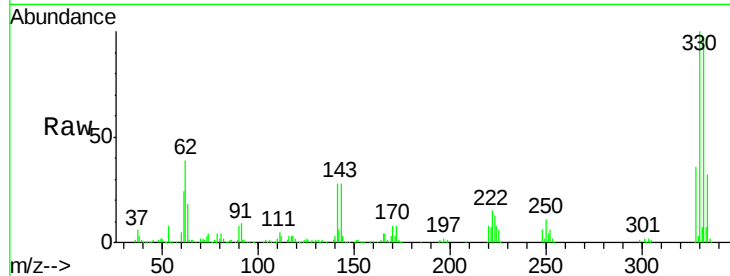
Tot Ion:198 Resp: 918

Ion Ratio Lower Upper

198 100

51 138.0 50.0 90.0#

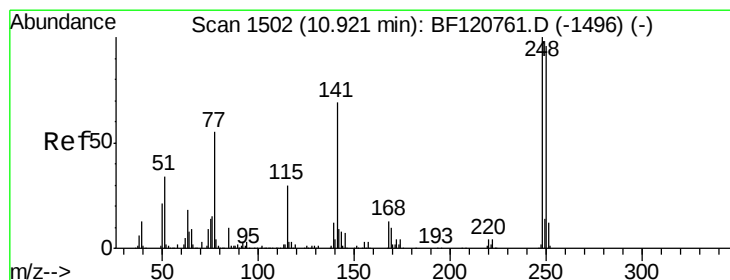
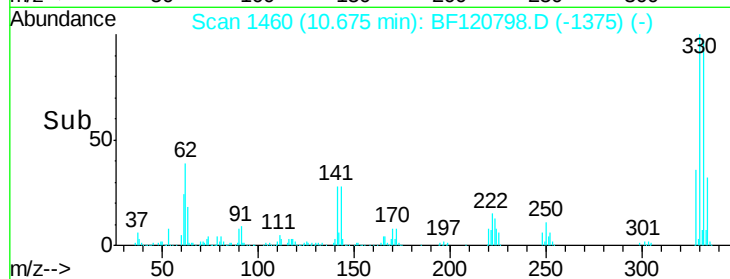
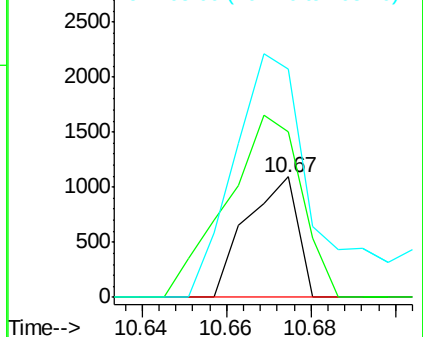
105 190.0 38.3 78.3#



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: 3.946 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

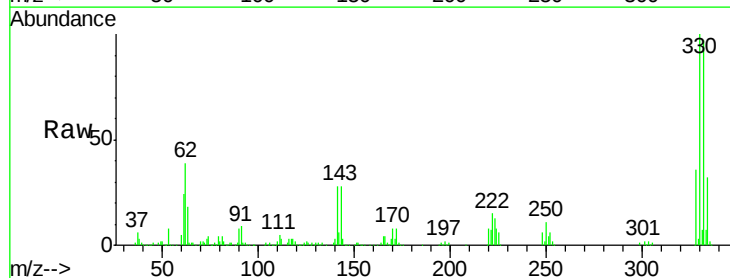
Tgt Ion:248 Resp: 23481

Ion Ratio Lower Upper

248 100

250 194.8 76.5 114.7#

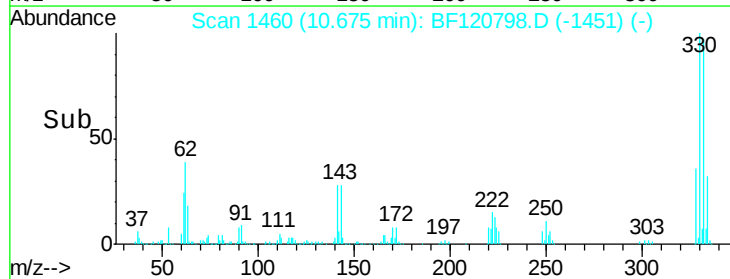
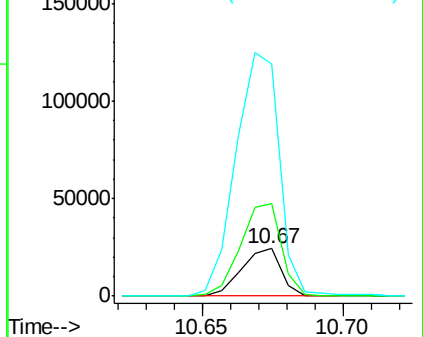
141 491.7 54.9 82.3#

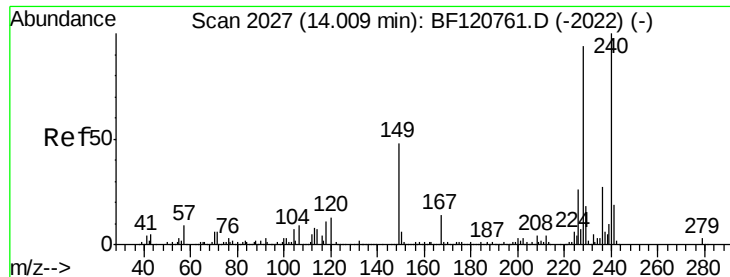


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :
12013

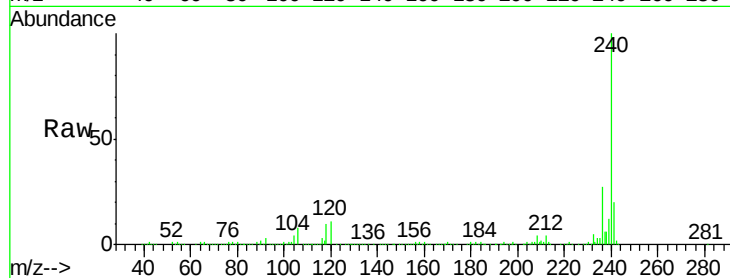
Tot Ion:240 Resp: 353112

Ion Ratio Lower Upper

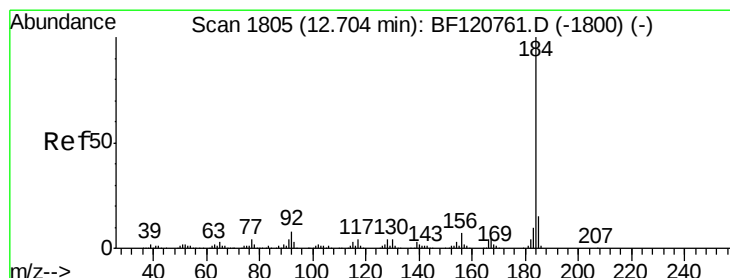
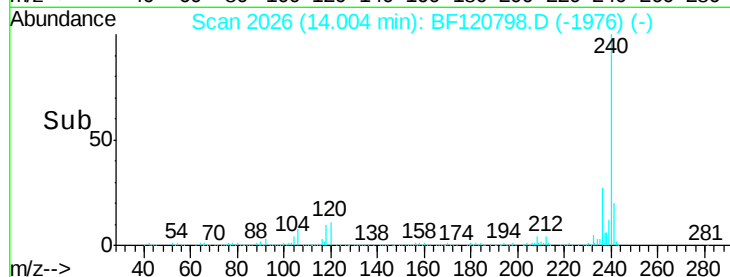
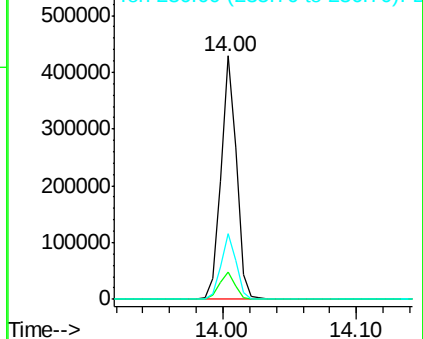
240 100

120 11.5 10.3 15.5

236 27.1 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: 2.822 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.26 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

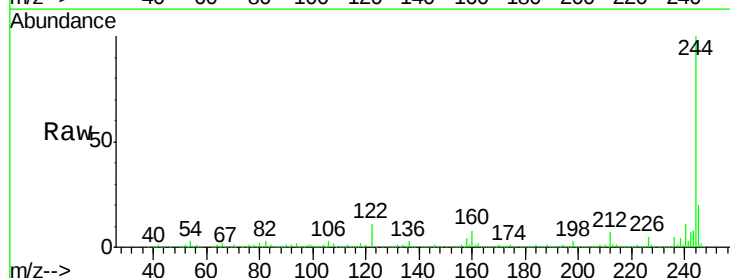
Tgt Ion:184 Resp: 28125

Ion Ratio Lower Upper

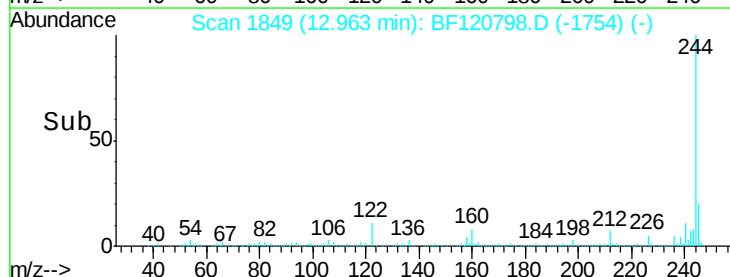
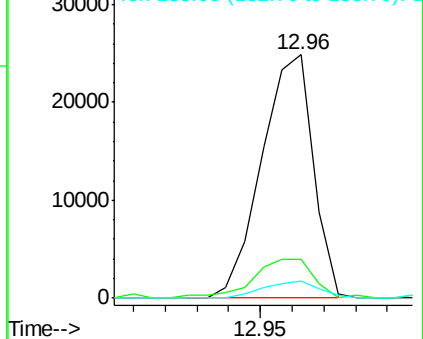
184 100

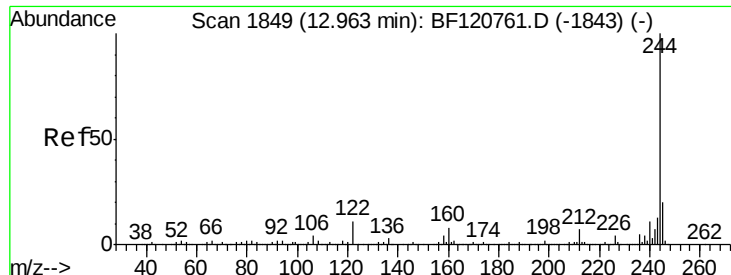
185 15.8 11.8 17.8

183 7.0 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: 105.693 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

Instrument :

BNA_F

ClientSampleId :
12013

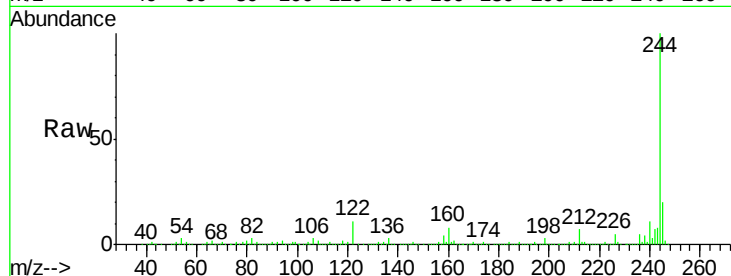
Tot Ion:244 Resp: 1906206

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

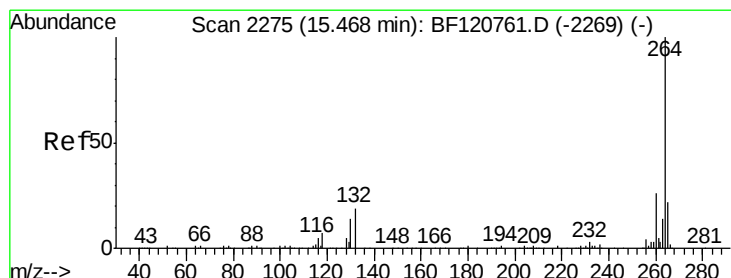
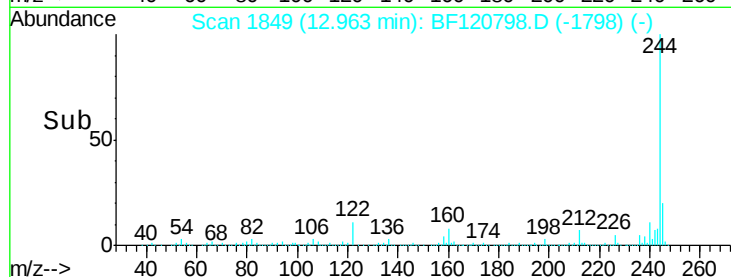
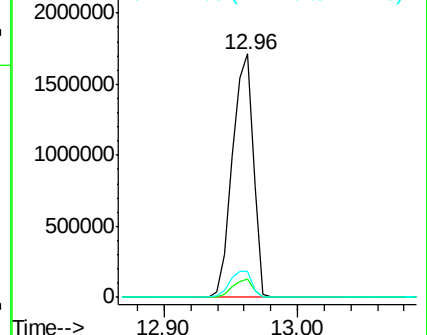
122 10.6 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF120798.D

Acq: 7 Jul 2020 20:20

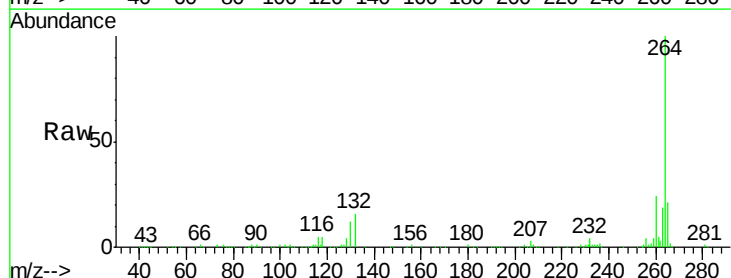
Tgt Ion:264 Resp: 280662

Ion Ratio Lower Upper

264 100

260 24.4 20.6 30.8

265 21.3 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

