

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120797.D
 Acq On : 7 Jul 2020 19:52
 Operator : JU/CG
 Sample : L3204-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WF-COMP

Quant Time: Jul 08 01:16:55 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	149284	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	564370	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	284939	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	513775	20.00	ng	0.00
76) Chrysene-d12	14.00	240	344514	20.00	ng	0.00
86) Perylene-d12	15.46	264	281391	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	969962	100.30	ng	0.00
7) Phenol-d6	6.47	99	1013801	82.09	ng	0.00
23) Nitrobenzene-d5	7.41	82	908850	93.30	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	390816	136.52	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1530704	81.28	ng	0.00
79) Terphenyl-d14	12.96	244	1838768	104.50	ng	0.00

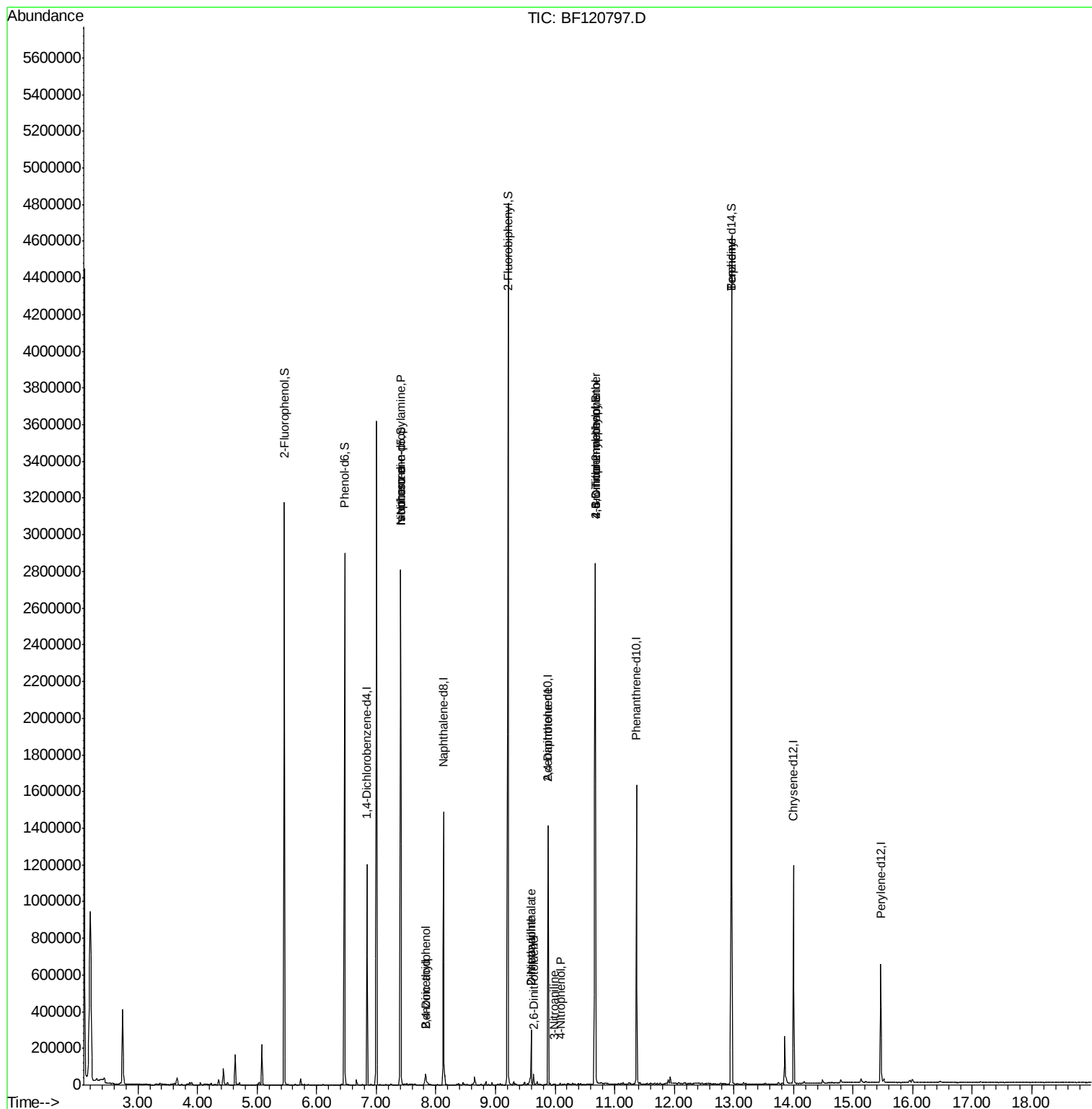
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	124321	16.719	ng	# 77
25) Isophorone	7.41	82	908594	43.252	ng	# 64
27) 2,4-Dimethylphenol	7.83	122	17298	2.063	ng	# 4
32) Benzoic acid	7.83	122	17298	6.885	ng	# 95
48) 2-Nitroaniline	9.59	65	1204	2.826	ng	# 1
50) Dimethylphthalate	9.60	163	97742	4.702	ng	# 97
51) 2,6-Dinitrotoluene	9.64	165	4148	3.234	ng	# 16
53) 3-Nitroaniline	9.98	138	118	2.186	ng	# 1
56) 4-Nitrophenol	10.09	139	810	2.298	ng	# 5
57) 2,4-Dinitrotoluene	9.88	165	37317	9.862	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	920	7.371	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	23321	3.913	ng	# 1
77) Benzidine	12.96	184	27026	2.779	ng	# 96

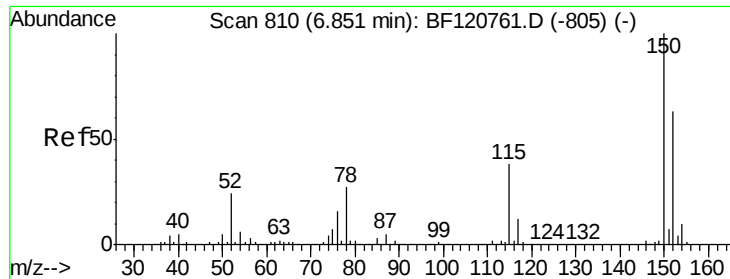
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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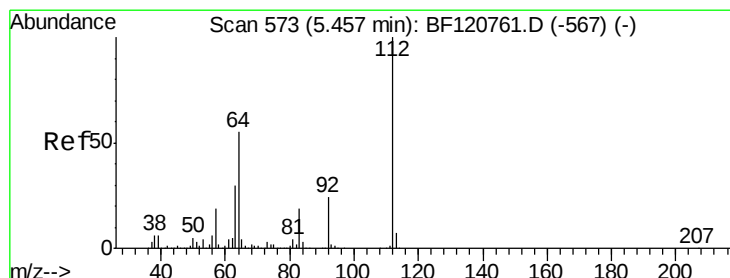
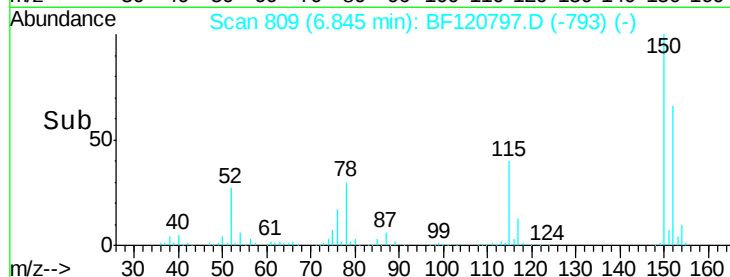
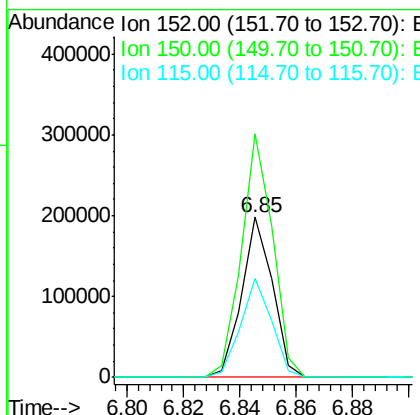
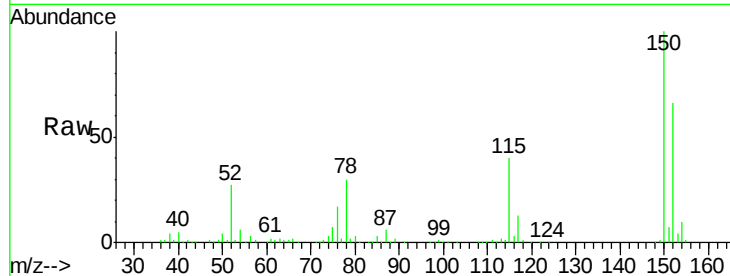




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120797.D
 Acq: 7 Jul 2020 19:52

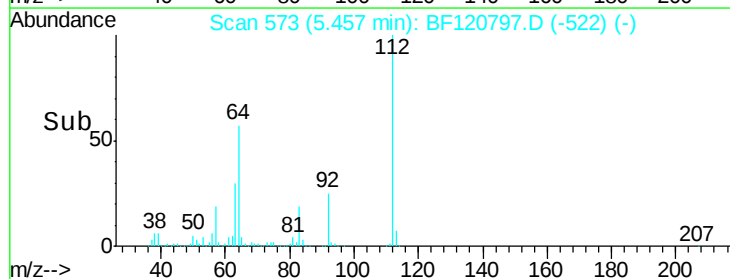
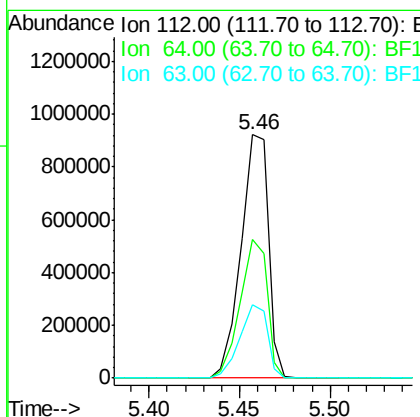
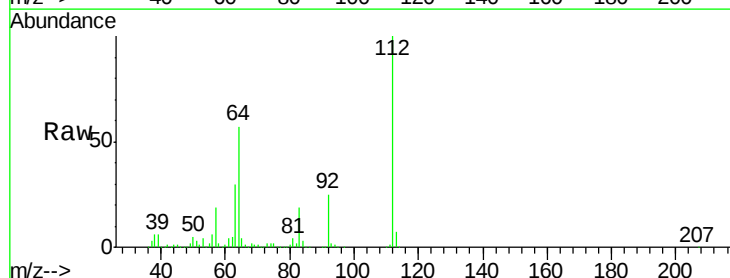
Instrument :
 BNA_F
 ClientSampleId :
 WF-COMP

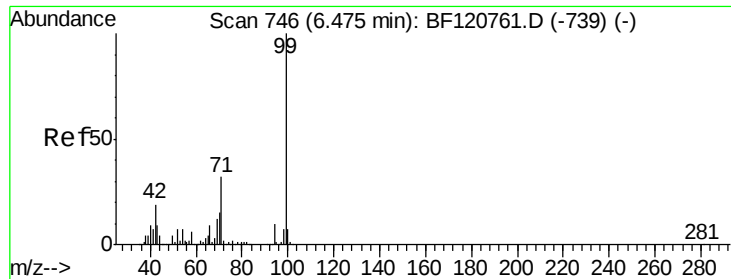
Tot Ion:152 Resp: 149284
 Ion Ratio Lower Upper
 152 100
 150 152.2 126.1 189.1
 115 61.5 48.5 72.7



#5
 2-Fluorophenol
 Concen: 100.297 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF120797.D
 Acq: 7 Jul 2020 19:52

Tgt Ion:112 Resp: 969962
 Ion Ratio Lower Upper
 112 100
 64 57.1 43.8 65.6
 63 30.0 23.6 35.4





#7

Phenol-d6

Concen: 82.089 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Instrument :

BNA_F

ClientSampleId :

WF-COMP

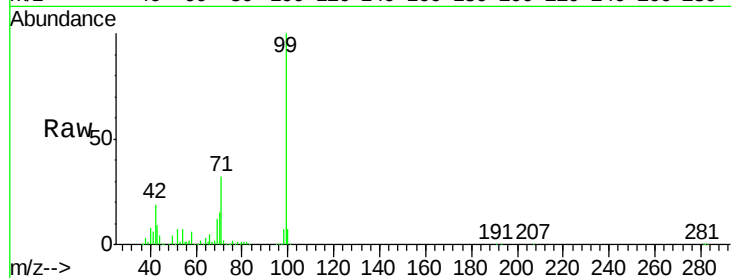
Tot Ion: 99 Resp: 1013801

Ion Ratio Lower Upper

99 100

42 18.9 15.4 23.0

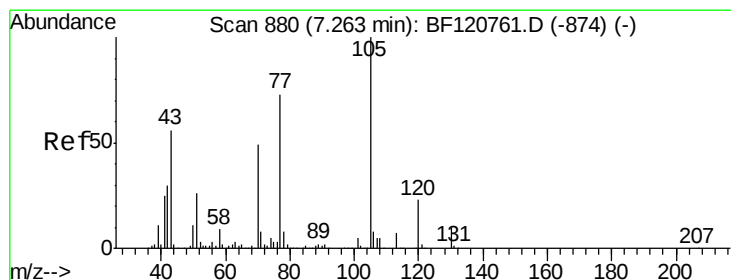
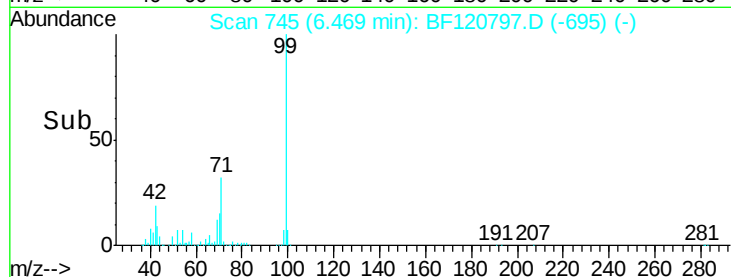
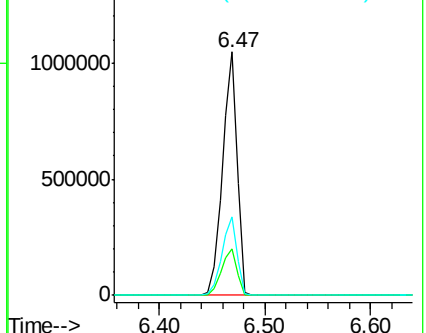
71 32.4 25.9 38.9



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: 16.719 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Tgt Ion: 70 Resp: 124321

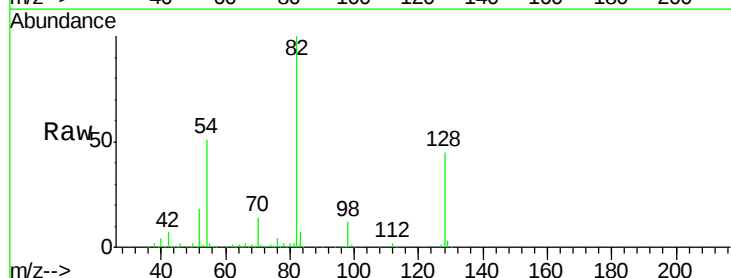
Ion Ratio Lower Upper

70 100

42 49.2 50.3 75.5#

101 0.0 7.5 11.3#

130 2.1 16.1 24.1#

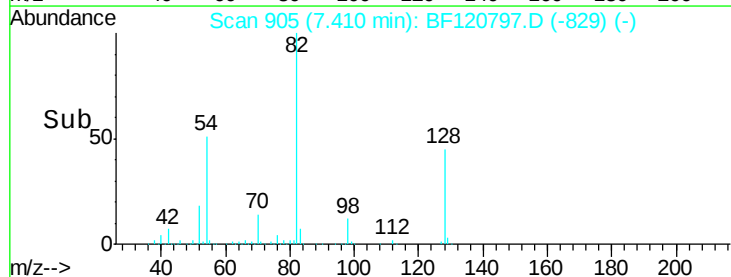
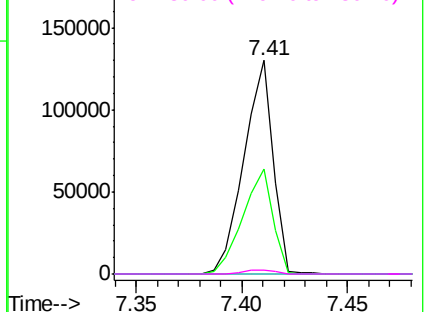


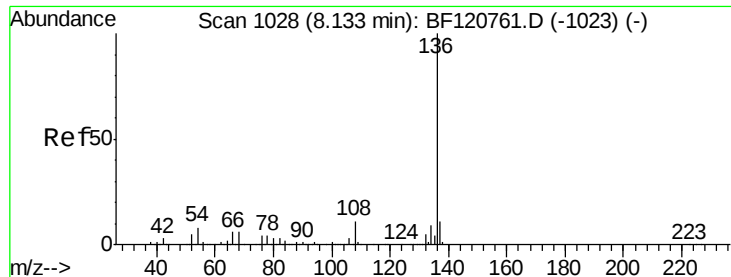
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120797.D

Acq: 7 Jul 2020 19:52

Instrument :

BNA_F

ClientSampleId :

WF-COMP

Tot Ion:136 Resp: 564370

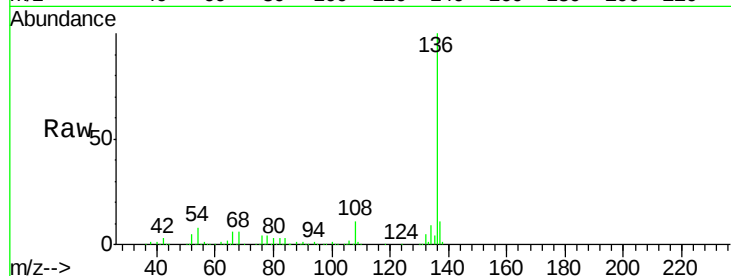
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.3 6.2 9.4

68 5.9 4.7 7.1

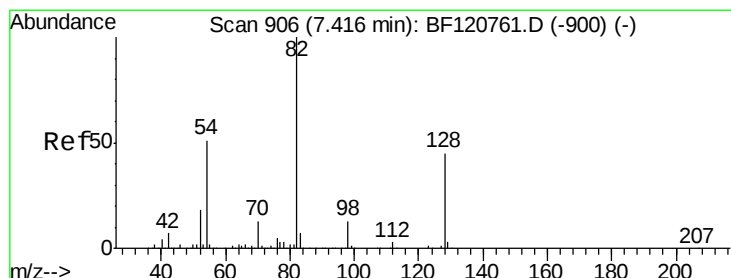
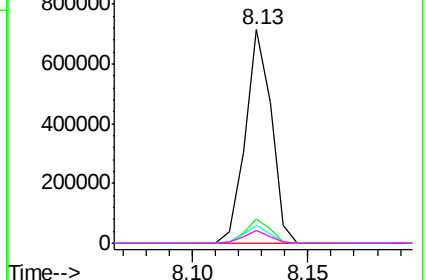
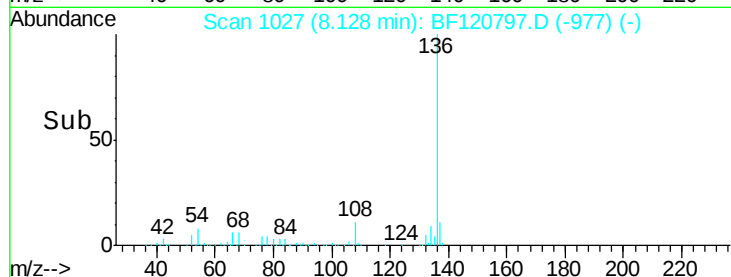


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.302 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

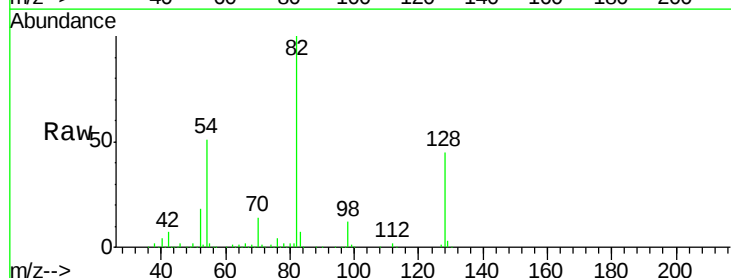
Tgt Ion: 82 Resp: 908850

Ion Ratio Lower Upper

82 100

128 45.4 35.7 53.5

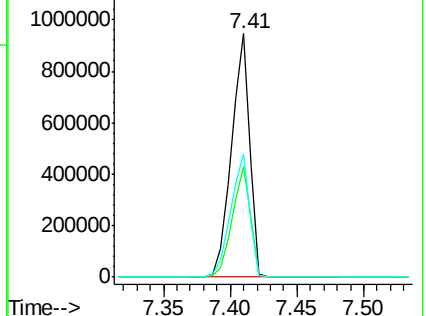
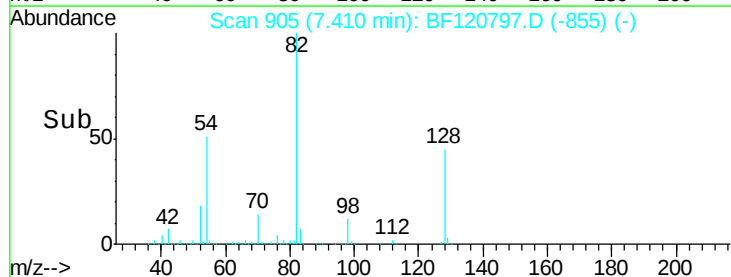
54 50.8 40.9 61.3

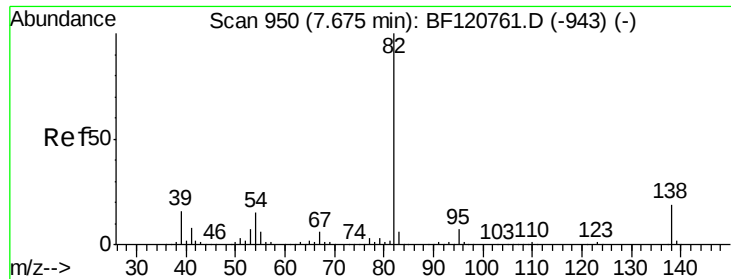


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.252 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

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WF-COMP

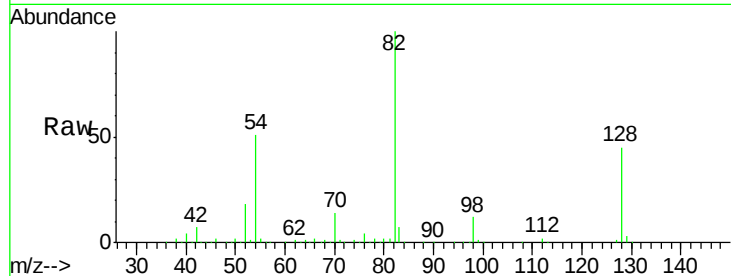
Tot Ion: 82 Resp: 908594

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

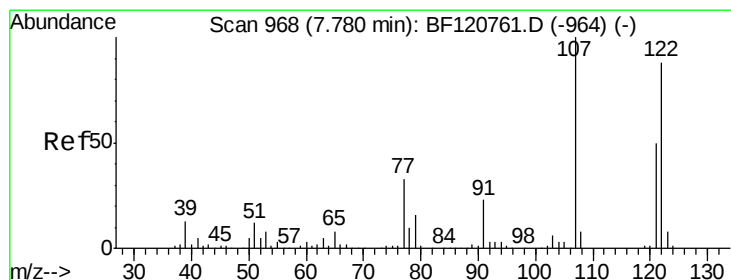
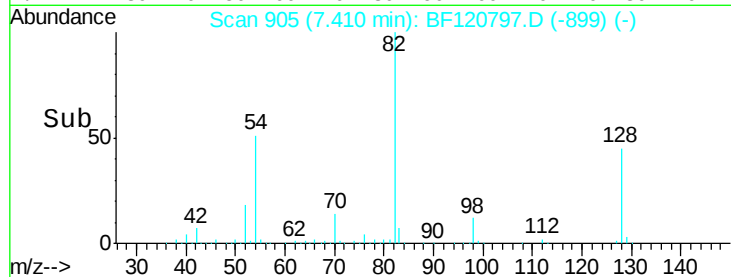
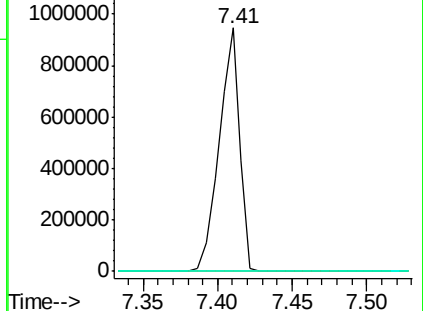
138 0.0 15.0 22.4#



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



#27

2,4-Dimethylphenol

Concen: 2.063 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.05 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

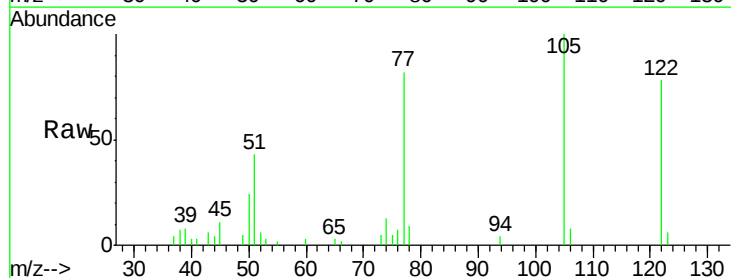
Tgt Ion: 122 Resp: 17298

Ion Ratio Lower Upper

122 100

107 0.0 90.7 136.1#

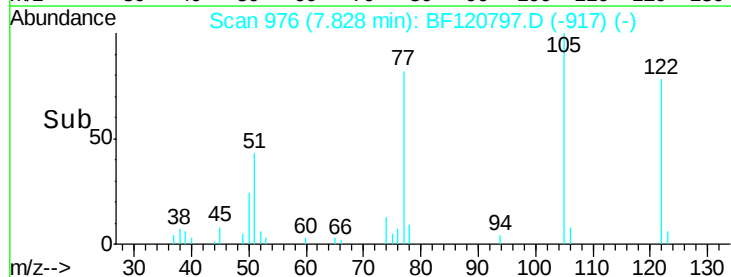
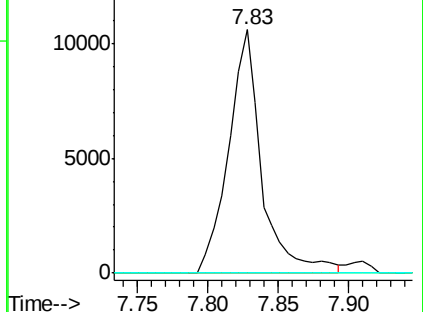
121 0.0 45.4 68.0#

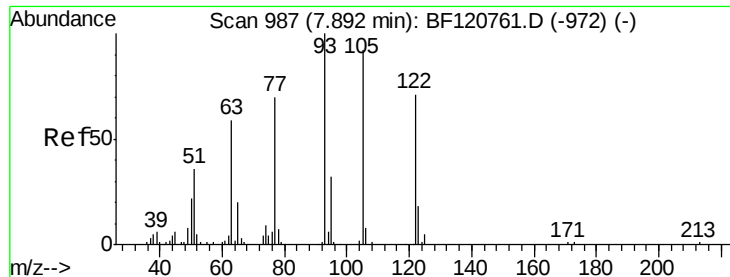


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#32

Benzoic acid

Concen: 6.885 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.06 min

Lab File: BF120797.D

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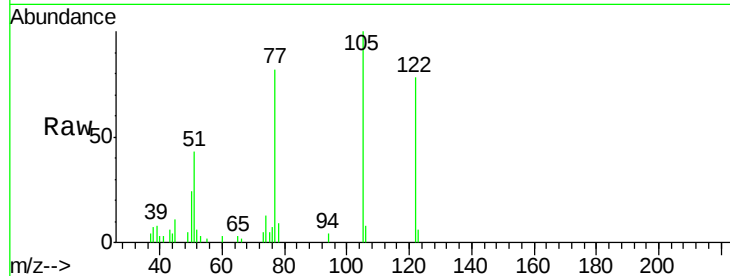
Tot Ion:122 Resp: 17298

Ion Ratio Lower Upper

122 100

105 128.1 105.8 145.8

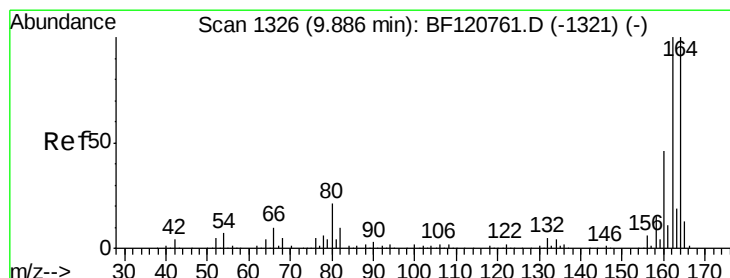
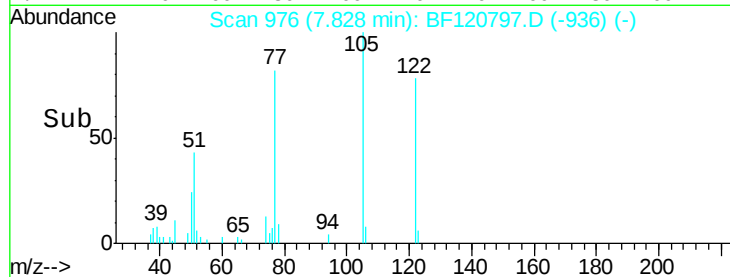
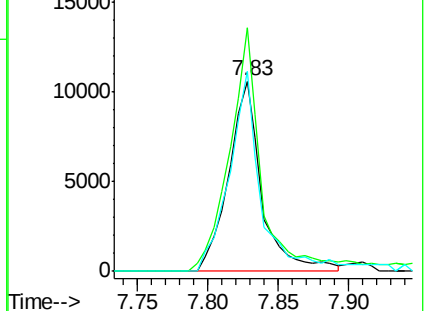
77 105.3 77.3 117.3



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

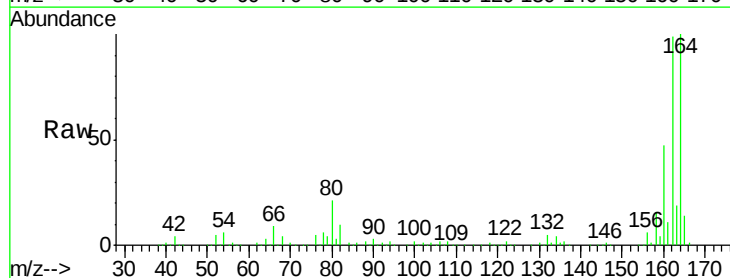
Tgt Ion:164 Resp: 284939

Ion Ratio Lower Upper

164 100

162 99.4 80.2 120.2

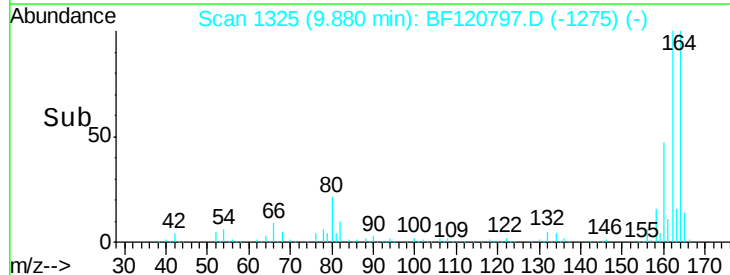
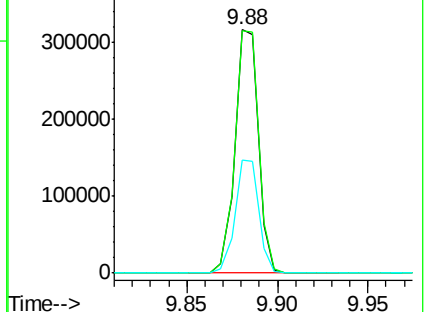
160 46.6 36.9 55.3

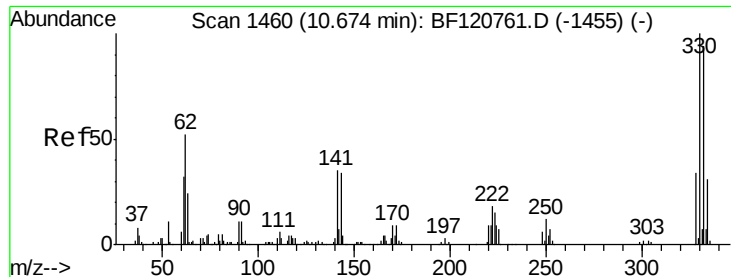


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 136.524 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

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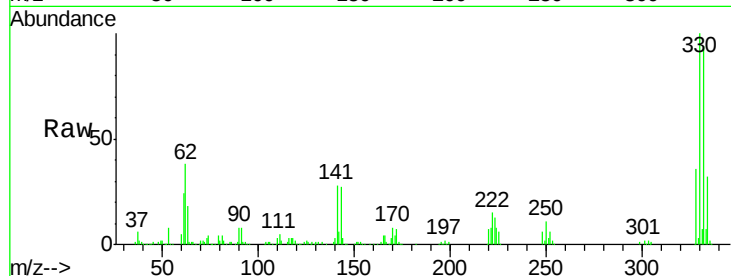
Tot Ion:330 Resp: 390816

Ion Ratio Lower Upper

330 100

332 94.8 75.8 113.6

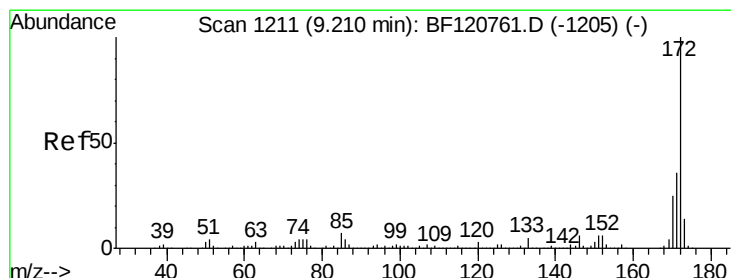
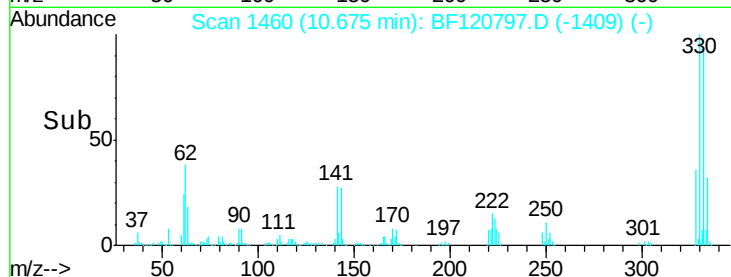
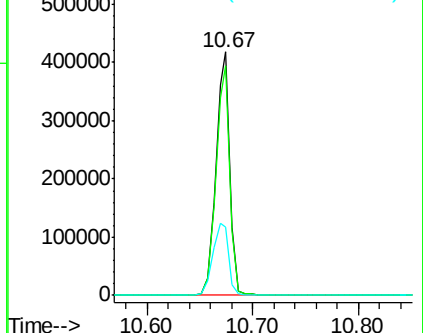
141 34.3 29.7 44.5



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: 81.276 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

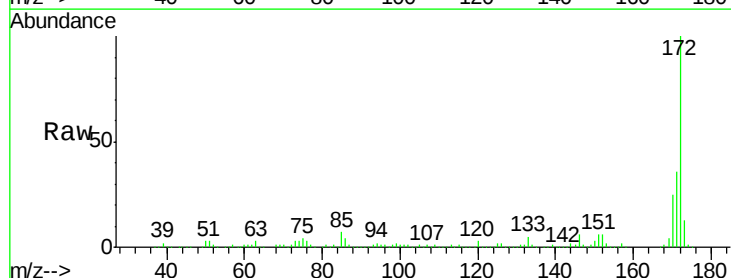
Tgt Ion:172 Resp: 1530704

Ion Ratio Lower Upper

172 100

171 36.3 29.1 43.7

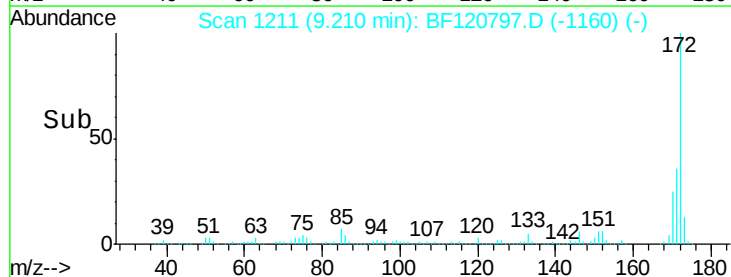
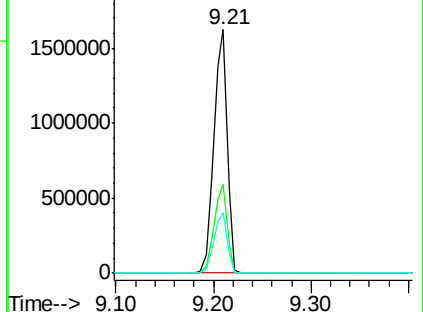
170 25.1 19.8 29.6

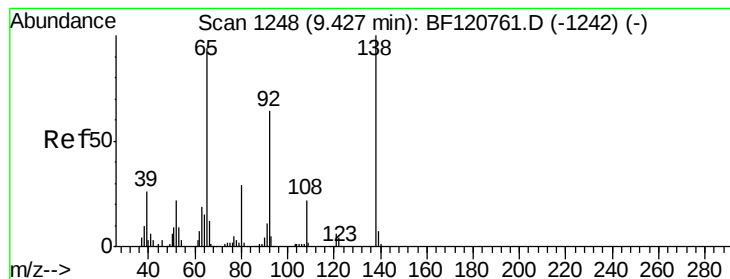


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 2.826 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.17 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Instrument :

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ClientSampleId :

WF-COMP

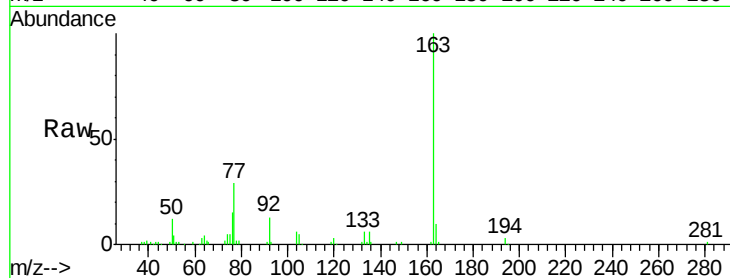
Tot Ion: 65 Resp: 1204

Ion Ratio Lower Upper

65 100

92 708.8 54.4 81.6#

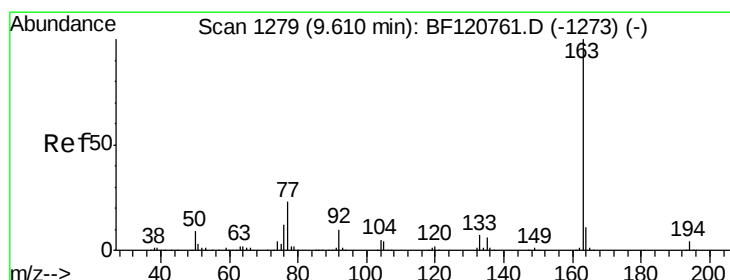
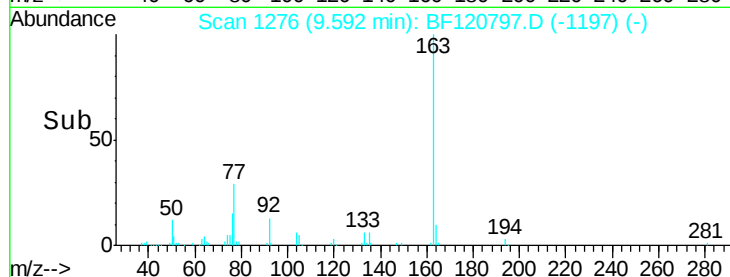
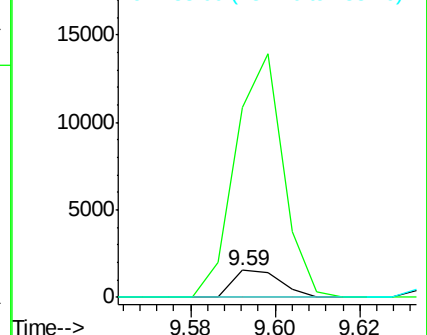
138 0.0 84.7 127.1#



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



#50

Dimethylphthalate

Concen: 4.702 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

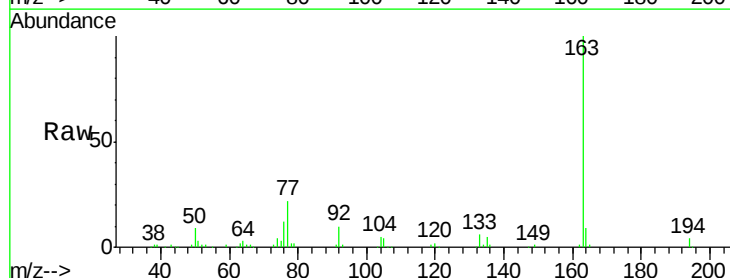
Tgt Ion: 163 Resp: 97742

Ion Ratio Lower Upper

163 100

194 3.9 2.9 4.3

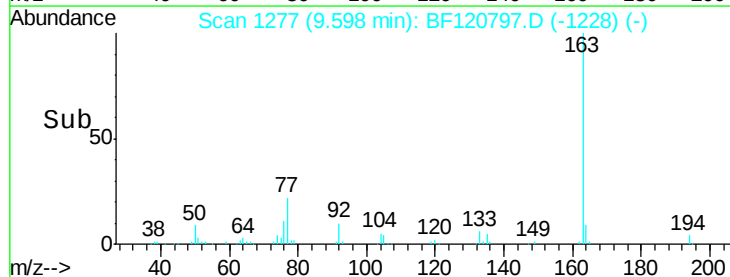
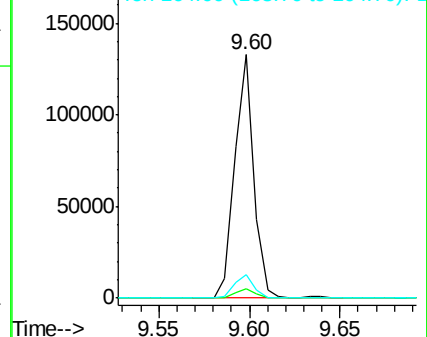
164 9.4 8.5 12.7

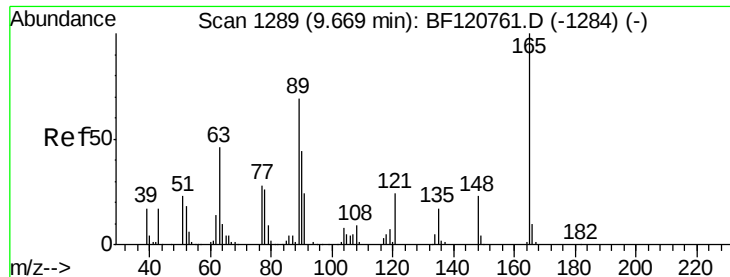


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

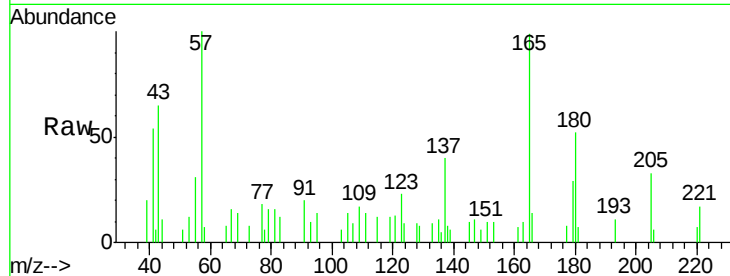




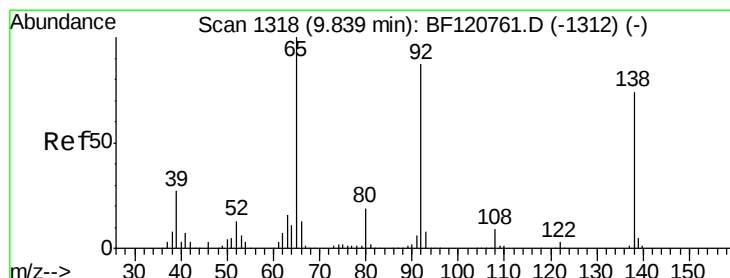
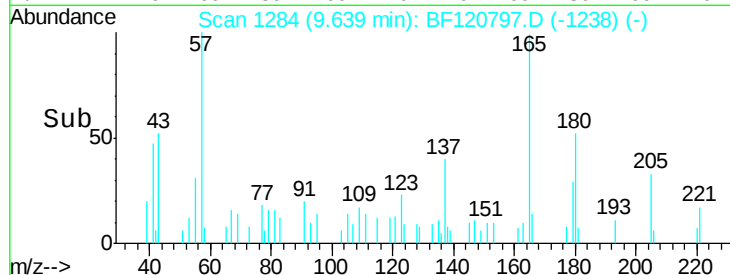
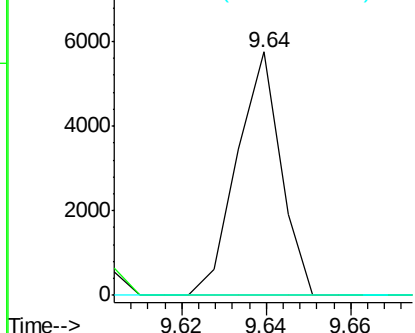
#51
 2,6-Dinitrotoluene
 Concen: 3.234 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.03 min
 Lab File: BF120797.D
 Acq: 7 Jul 2020 19:52

Instrument :
 BNA_F
 ClientSampleId :
 WF-COMP

Tot Ion:165 Resp: 4148
 Ion Ratio Lower Upper
 165 100
 63 0.0 54.0 81.0#
 89 0.0 55.4 83.2#

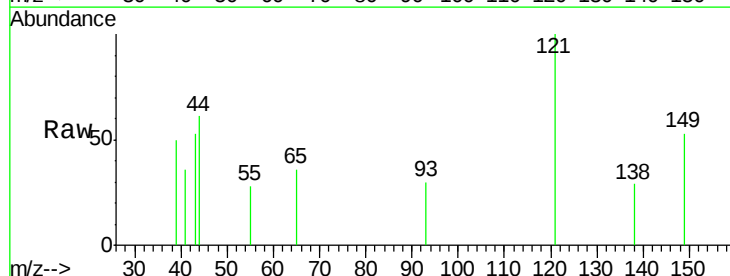


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

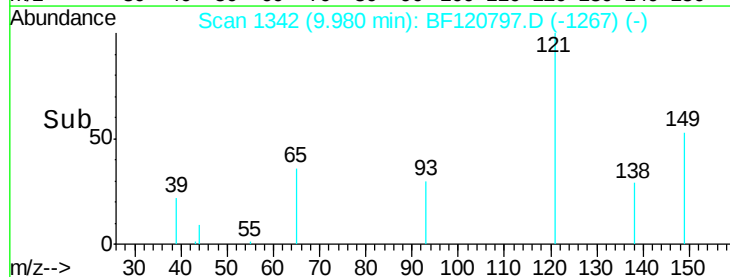
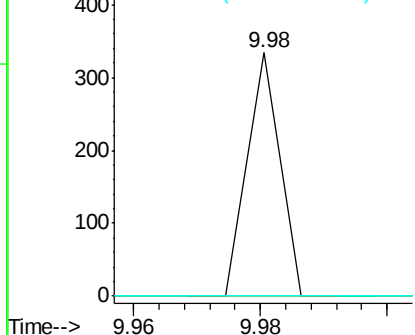


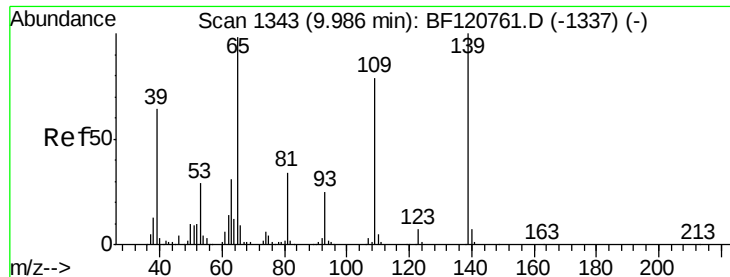
#53
 3-Nitroaniline
 Concen: 2.186 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.14 min
 Lab File: BF120797.D
 Acq: 7 Jul 2020 19:52

Tgt Ion:138 Resp: 118
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.8 14.6#
 92 0.0 93.4 140.2#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1





#56

4-Nitrophenol

Concen: 2.298 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.10 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Instrument :

BNA_F

ClientSampleId :

WF-COMP

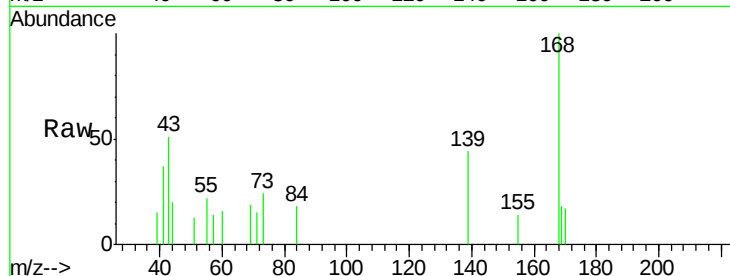
Tot Ion:139 Resp: 810

Ion Ratio Lower Upper

139 100

109 0.0 58.6 98.6#

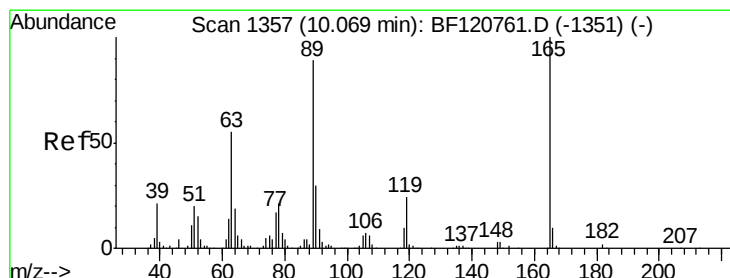
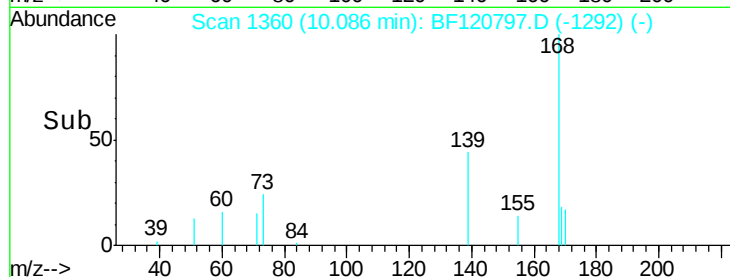
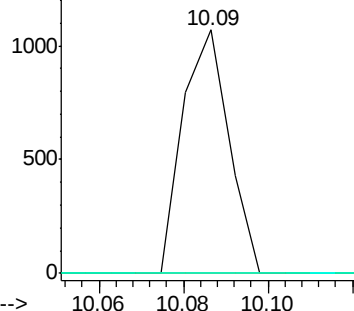
65 0.0 78.7 118.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 9.862 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Tgt Ion:165 Resp: 37317

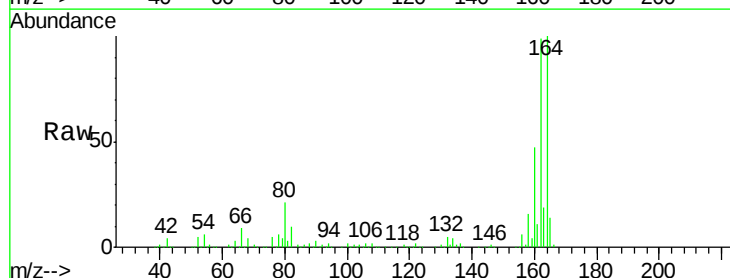
Ion Ratio Lower Upper

165 100

63 1.3 43.8 65.8#

89 1.9 71.4 107.2#

182 0.0 1.8 2.6#

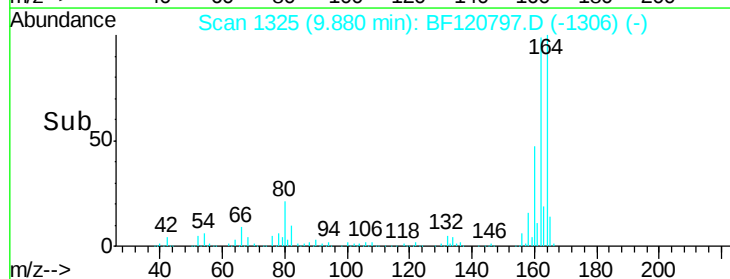
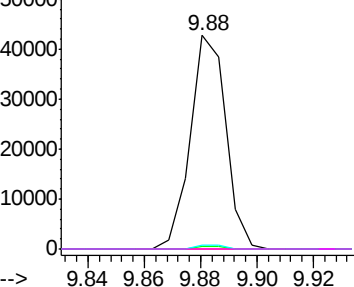


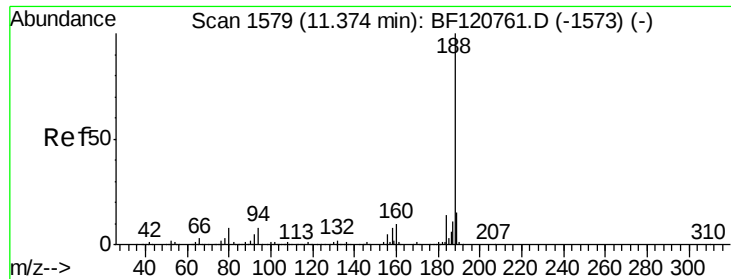
Abundance Ion 165.00 (164.70 to 165.70): E

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

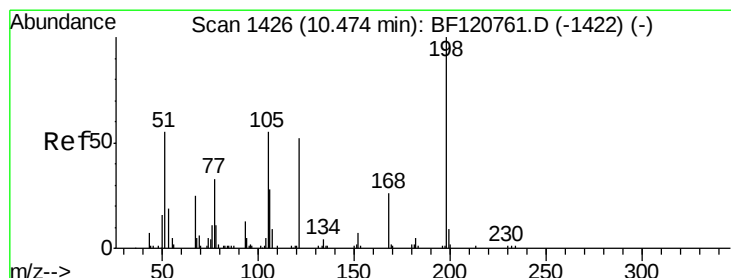
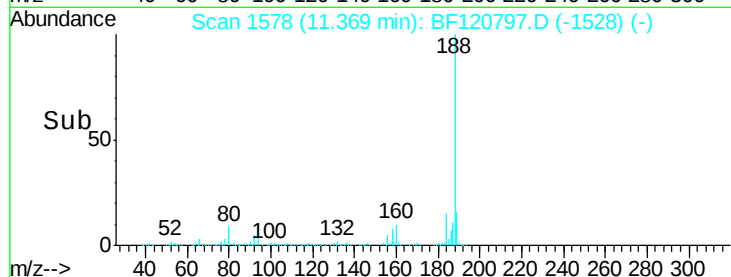
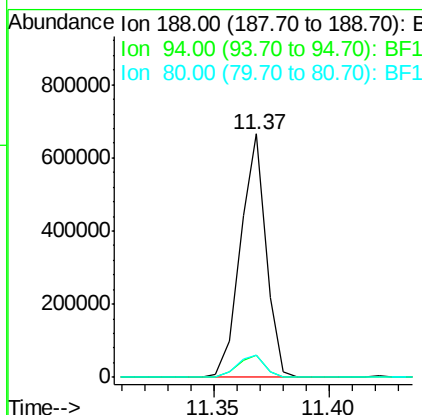
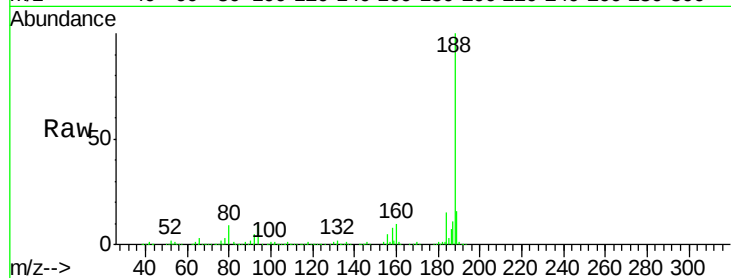




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120797.D
Acq: 7 Jul 2020 19:52

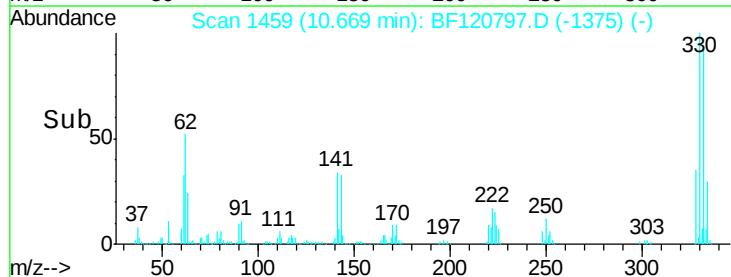
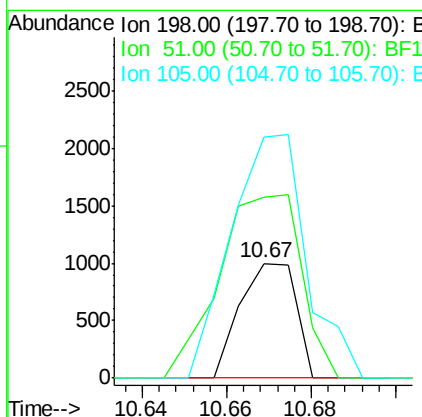
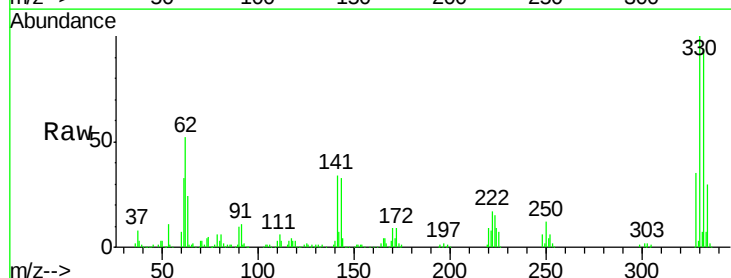
Instrument :
BNA_F
ClientSampleId :
WF-COMP

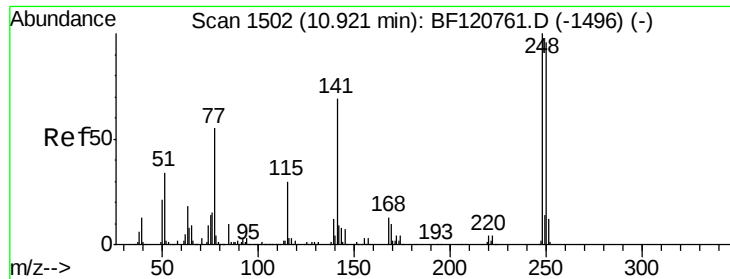
Tot Ion:188 Resp: 513775
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 9.2 6.6 10.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.371 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF120797.D
Acq: 7 Jul 2020 19:52

Tgt Ion:198 Resp: 920
Ion Ratio Lower Upper
198 100
51 157.6 50.0 90.0#
105 210.2 38.3 78.3#

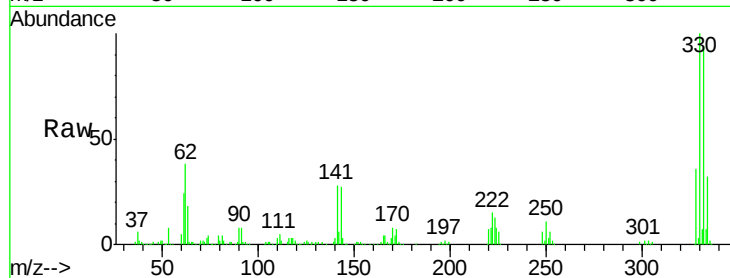




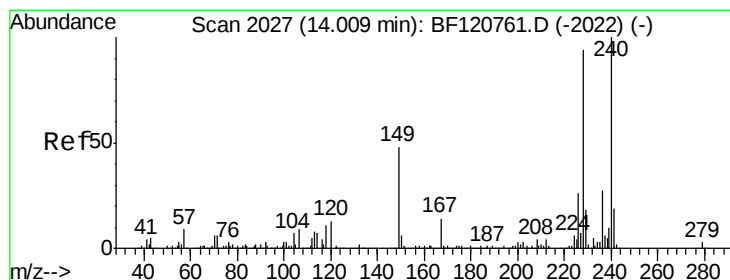
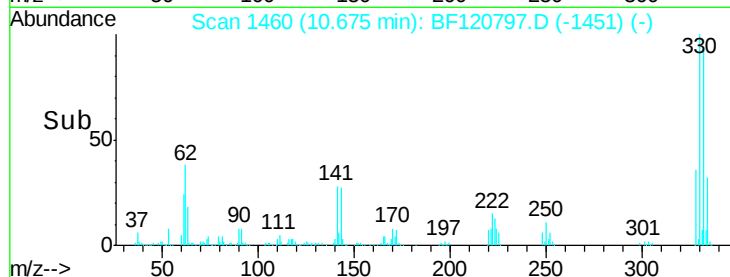
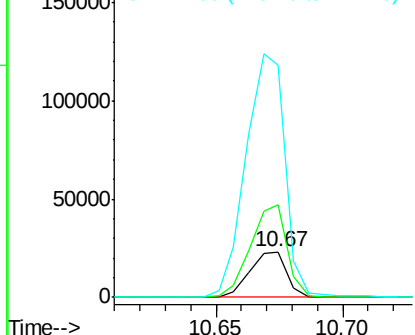
#67
4-Bromophenyl-phenylether
Concen: 3.913 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.25 min
Lab File: BF120797.D
Acq: 7 Jul 2020 19:52

Instrument :
BNA_F
ClientSampleId :
WF-COMP

Tot Ion:248 Resp: 23321
Ion Ratio Lower Upper
248 100
250 202.5 76.5 114.7#
141 507.1 54.9 82.3#

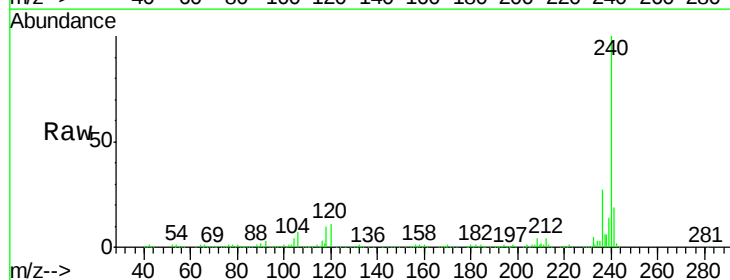


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

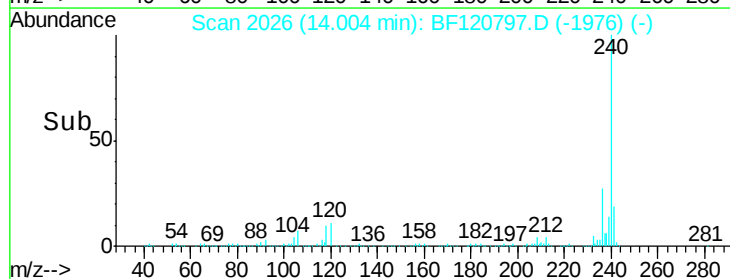
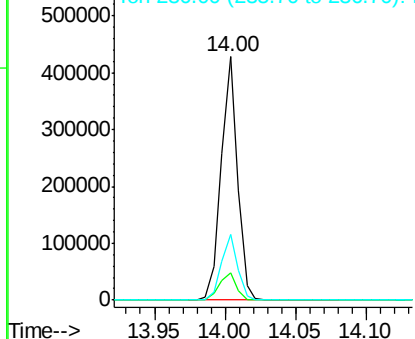


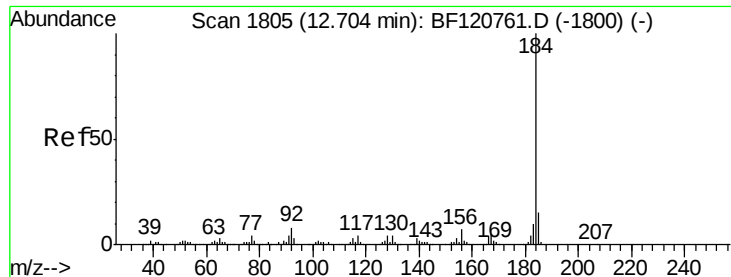
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120797.D
Acq: 7 Jul 2020 19:52

Tgt Ion:240 Resp: 344514
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 27.2 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: 2.779 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.26 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

Instrument :

BNA_F

ClientSampleId :

WF-COMP

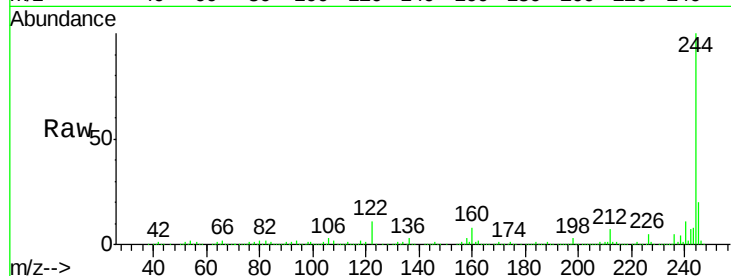
Tot Ion:184 Resp: 27026

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

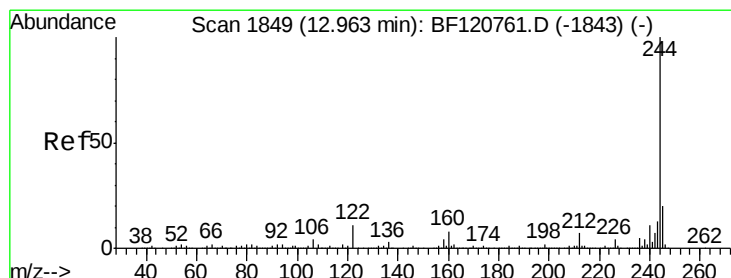
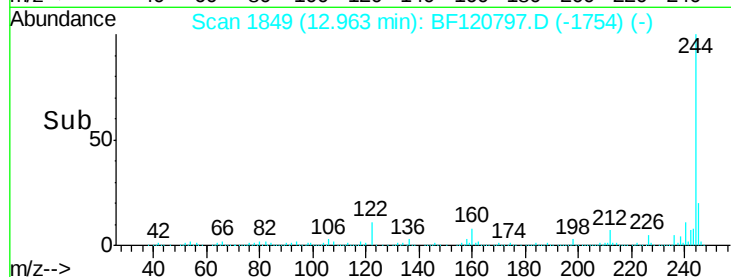
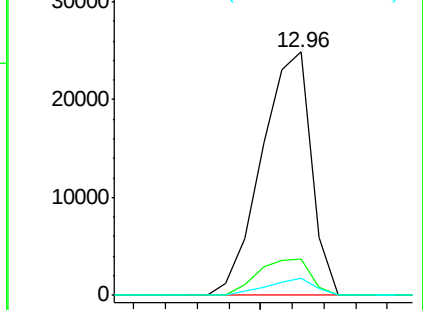
183 7.1 8.3 12.5#



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: 104.498 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120797.D

Acq: 7 Jul 2020 19:52

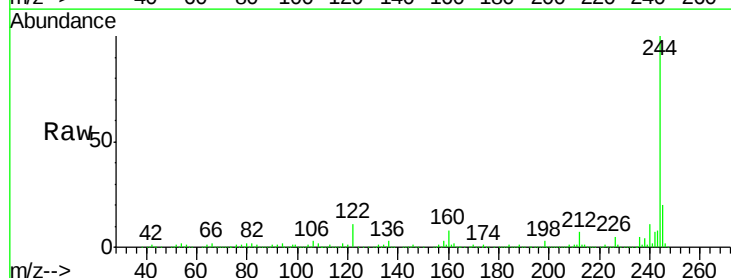
Tgt Ion:244 Resp: 1838768

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

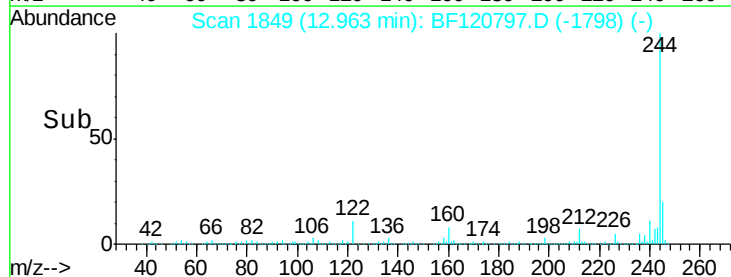
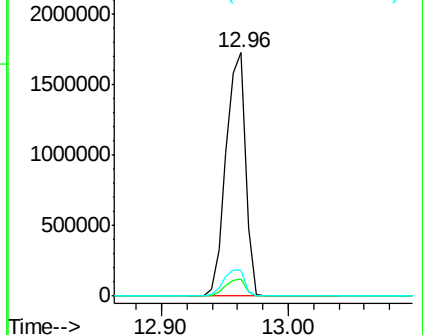
122 10.7 9.0 13.4

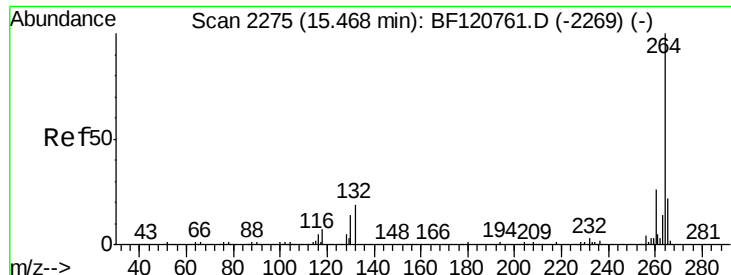


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120797.D
Acq: 7 Jul 2020 19:52

Instrument :
BNA_F
ClientSampleId :
WF-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	21.1	17.6	26.4

