

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120833.D
 Acq On : 10 Jul 2020 16:00
 Operator : JU/CG
 Sample : PB130117BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130117BL

Quant Time: Jul 10 17:03:44 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	142938	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	522835	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	249999	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	446121	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	286596	20.00	ng	0.00
86) Perylene-d12	15.46	264	233638	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1252059	135.22	ng	0.00
7) Phenol-d6	6.47	99	1506140	127.37	ng	0.00
23) Nitrobenzene-d5	7.41	82	932077	103.29	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	369224	147.01	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1533426	92.80	ng	0.00
79) Terphenyl-d14	12.96	244	1658518	113.30	ng	0.00

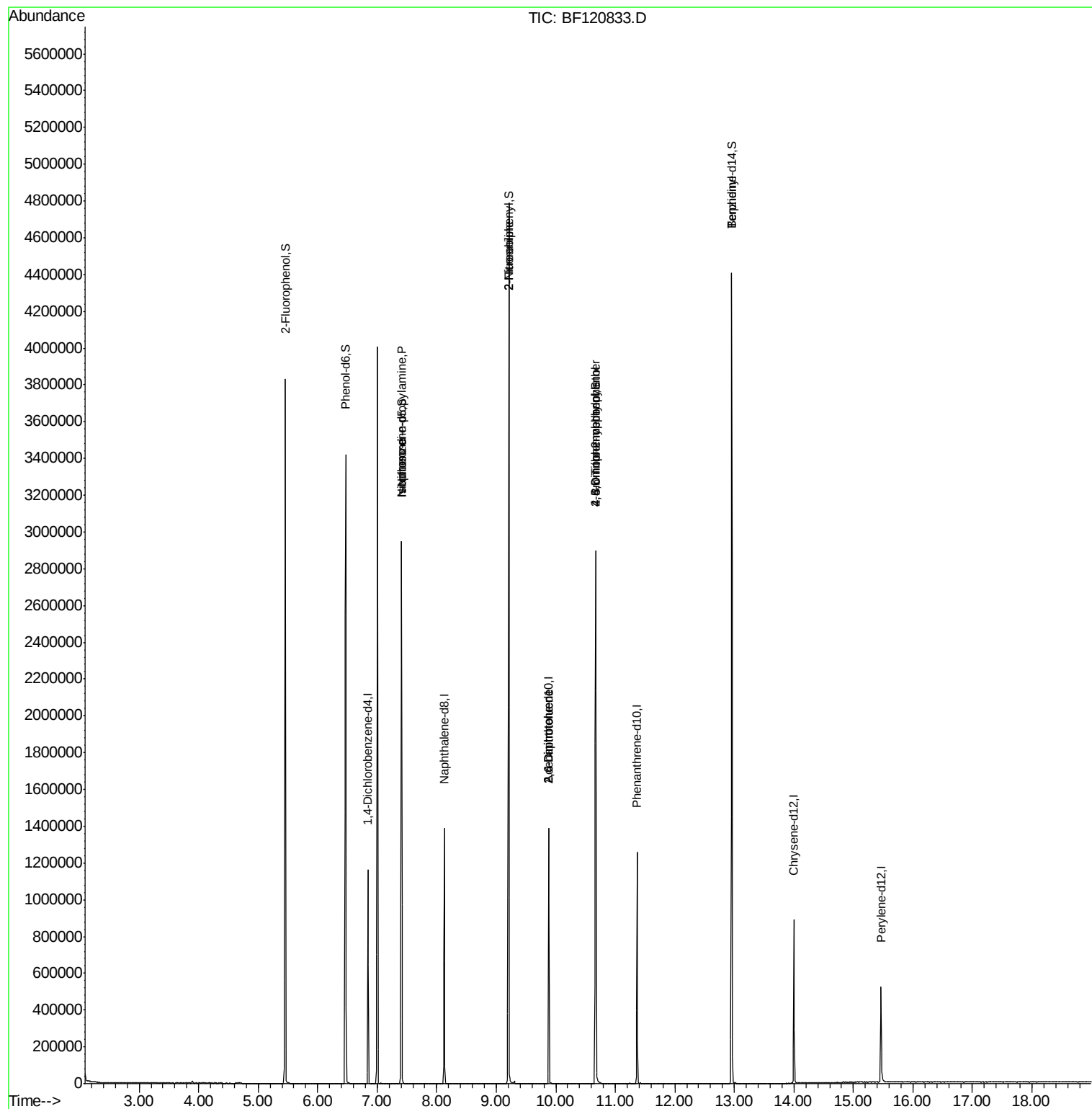
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	123792	17.387	ng	# 75
25) Isophorone	7.41	82	932068	47.894	ng	# 64
48) 2-Nitroaniline	9.21	65	2610	3.130	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	31497	10.555	ng	# 18
57) 2,4-Dinitrotoluene	9.88	165	31497	9.604	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	863	7.401	ng	# 4
67) 4-Bromophenyl-phenylether	10.67	248	21735	4.200	ng	# 1
77) Benzidine	12.96	184	23829	2.946	ng	# 94

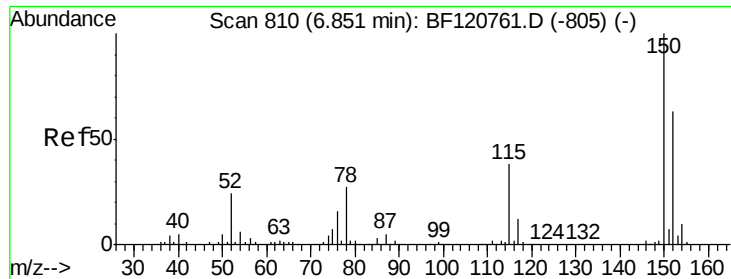
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
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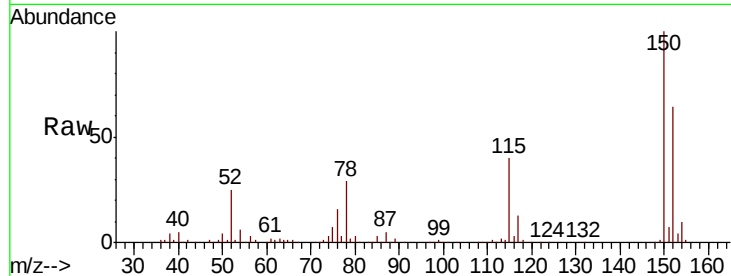


#1

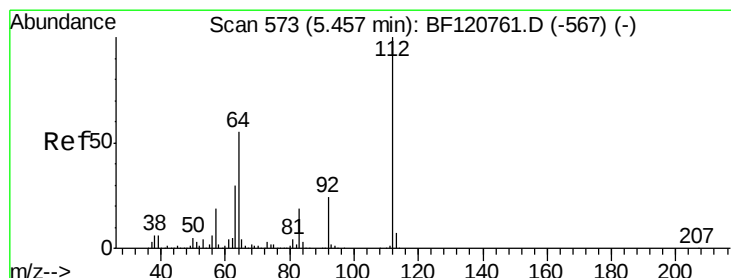
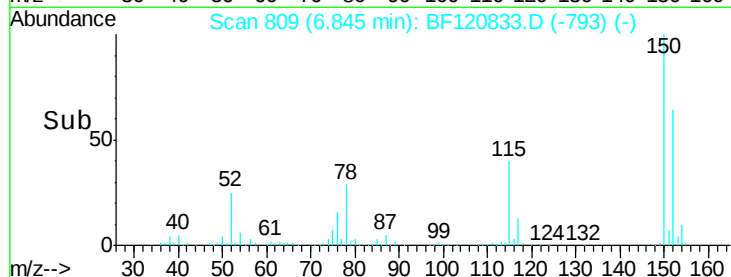
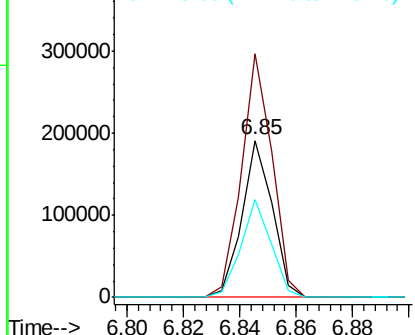
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120833.D
Acq: 10 Jul 2020 16:00

Instrument :
BNA_F
ClientSampleId :
PB130117BL

Tot Ion:152 Resp: 142938
Ion Ratio Lower Upper
152 100
150 155.1 126.1 189.1
115 62.2 48.5 72.7



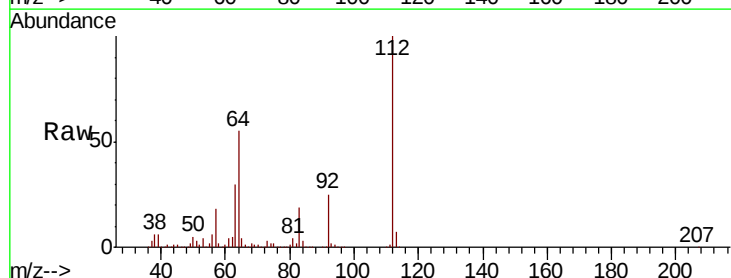
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



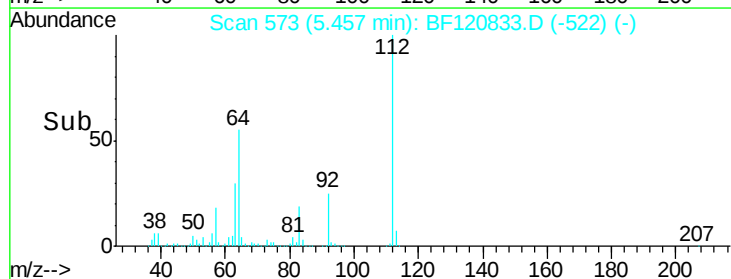
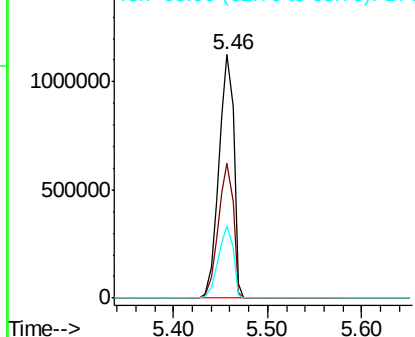
#5

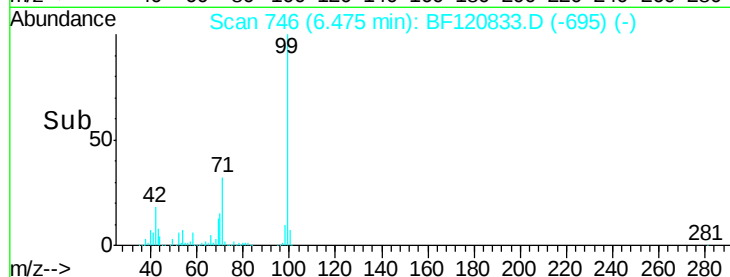
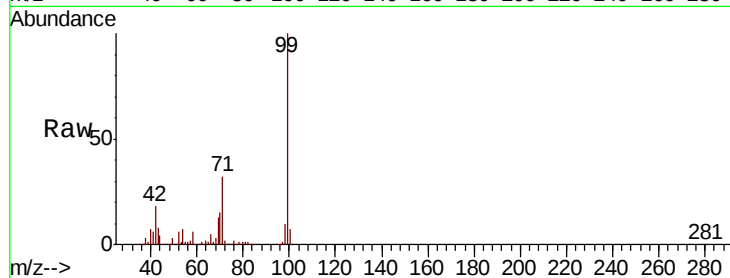
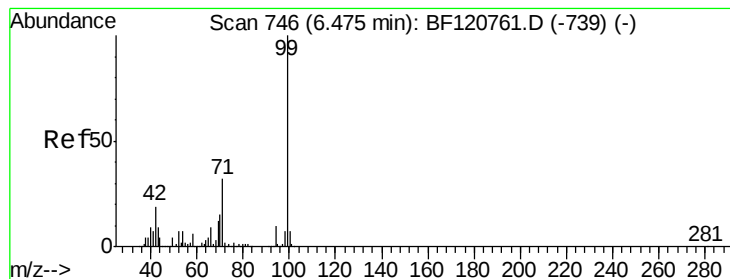
2-Fluorophenol
Concen: 135.215 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120833.D
Acq: 10 Jul 2020 16:00

Tgt Ion:112 Resp: 1252059
Ion Ratio Lower Upper
112 100
64 55.3 43.8 65.6
63 29.6 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: 127.368 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

Instrument :

BNA_F

ClientSampleId :

PB130117BL

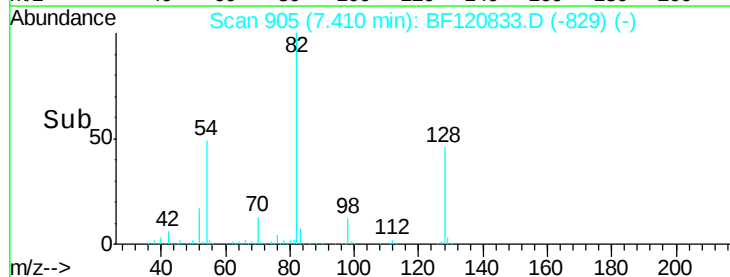
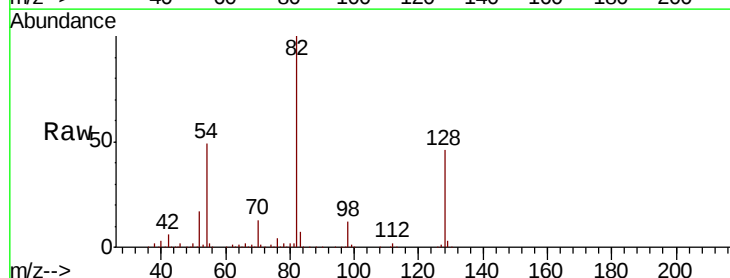
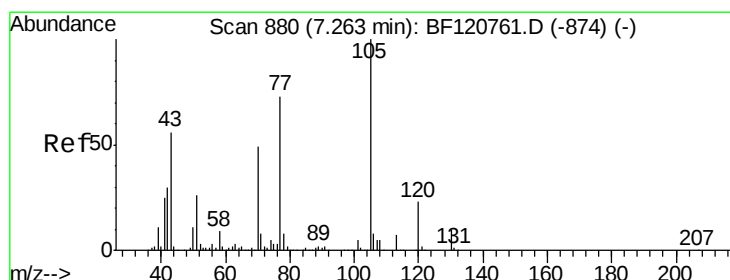
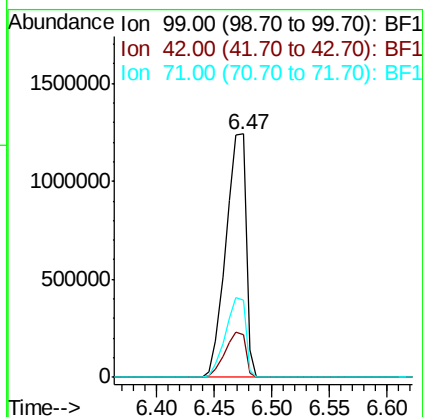
Tot Ion: 99 Resp: 1506140

Ion Ratio Lower Upper

99 100

42 17.6 15.4 23.0

71 31.7 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 17.387 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

Tgt Ion: 70 Resp: 123792

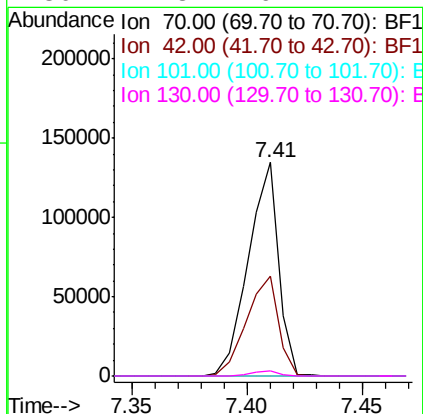
Ion Ratio Lower Upper

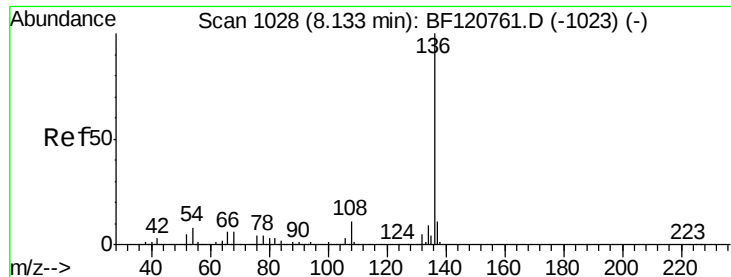
70 100

42 46.9 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 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: BF120833.D

Acq: 10 Jul 2020 16:00

Instrument :

BNA_F

ClientSampleId :

PB130117BL

Tot Ion:136 Resp: 522835

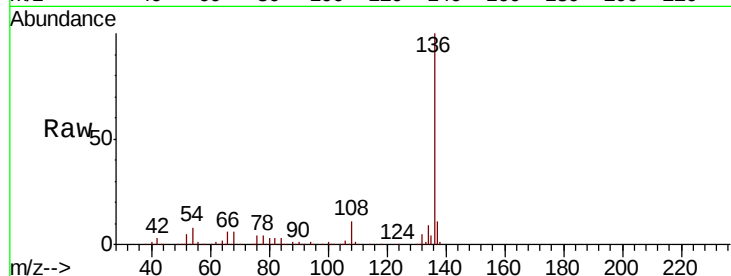
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 8.0 6.2 9.4

68 5.8 4.7 7.1

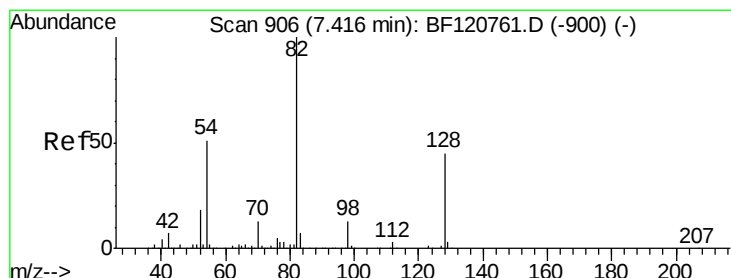
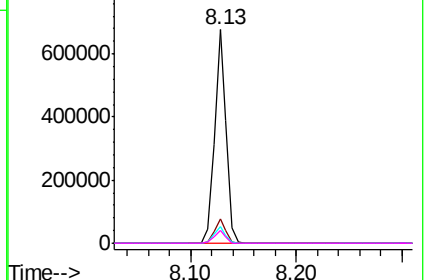
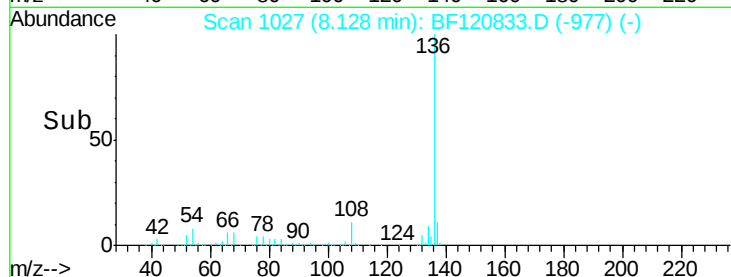


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.288 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

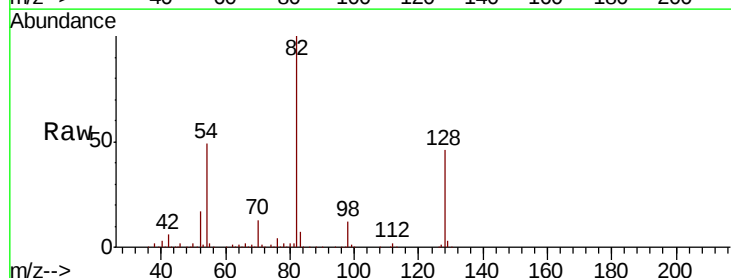
Tgt Ion: 82 Resp: 932077

Ion Ratio Lower Upper

82 100

128 46.2 35.7 53.5

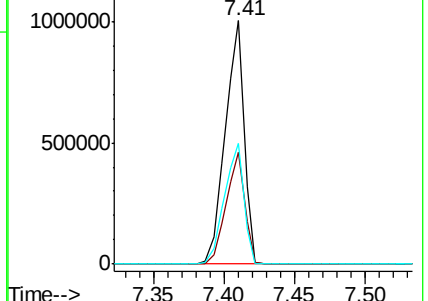
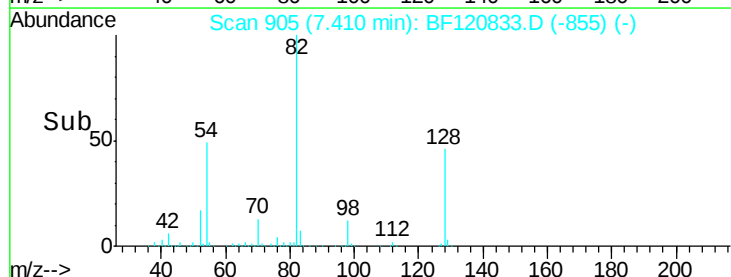
54 49.5 40.9 61.3

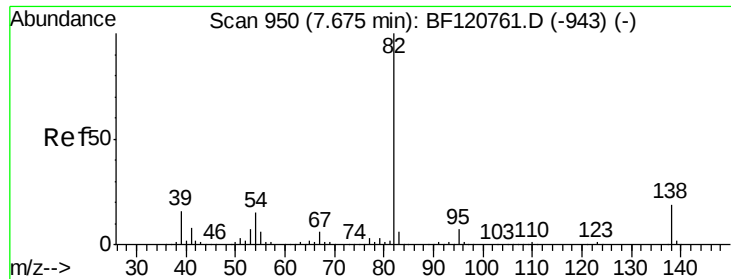


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.894 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

Instrument :

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ClientSampleId :

PB130117BL

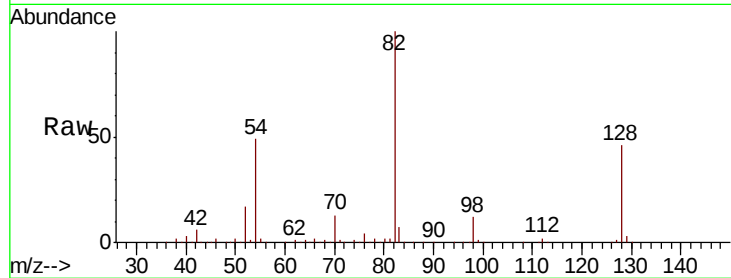
Tot Ion: 82 Resp: 932068

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

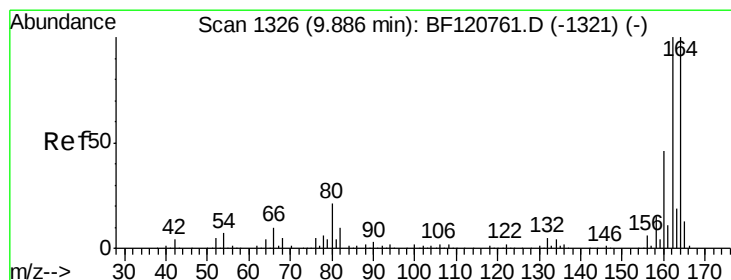
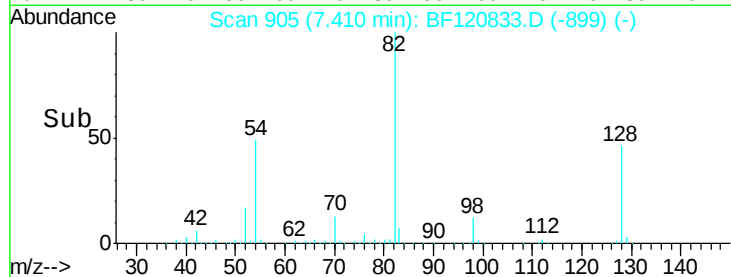
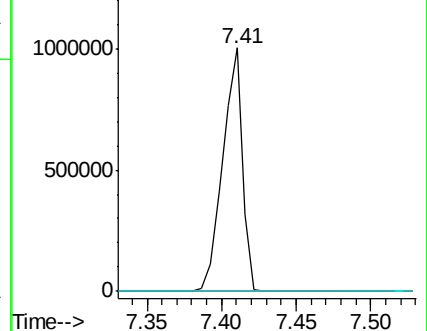
138 0.0 15.0 22.4#



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: BF120833.D

Acq: 10 Jul 2020 16:00

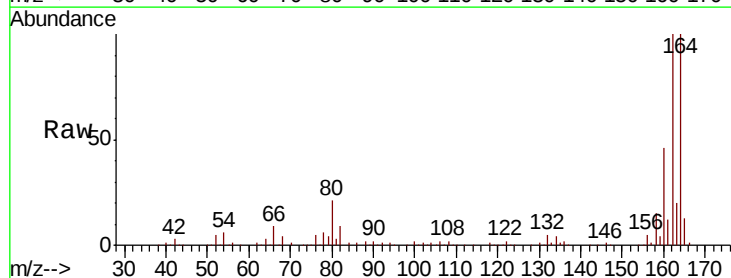
Tgt Ion: 164 Resp: 249999

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

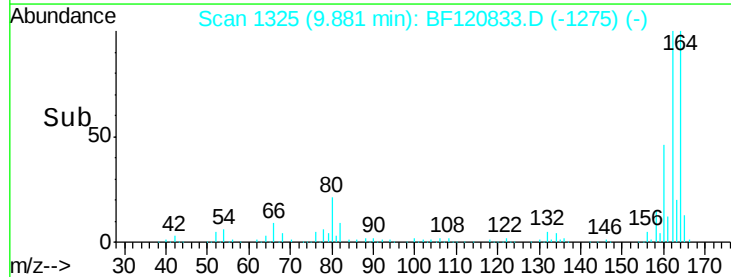
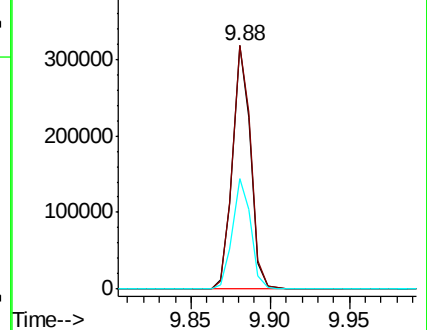
160 45.6 36.9 55.3

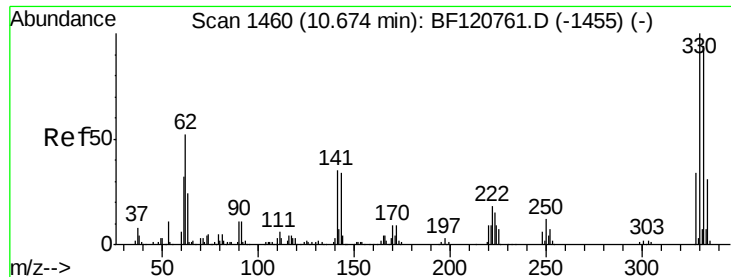


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

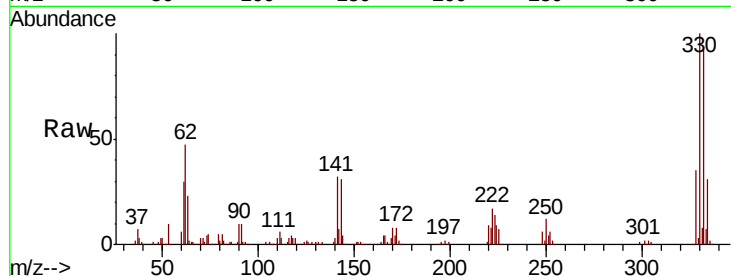




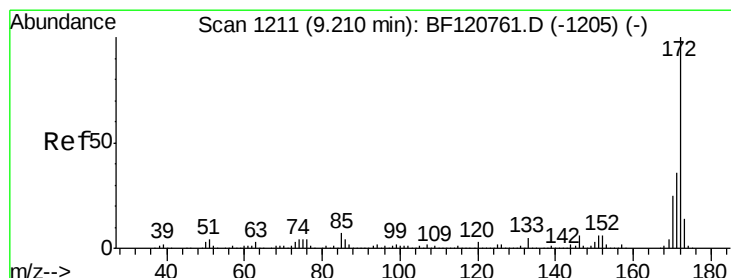
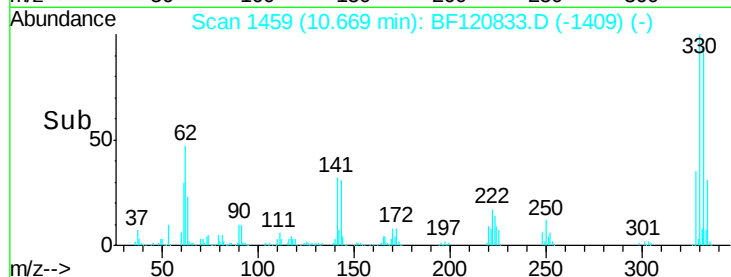
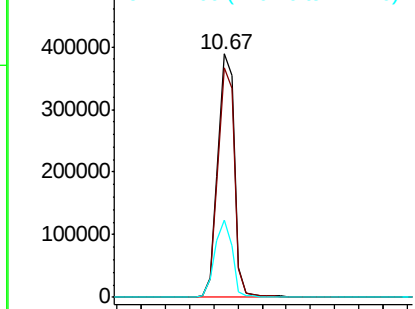
#42
 2,4,6-Tribromophenol
 Concen: 147.007 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF120833.D
 Acq: 10 Jul 2020 16:00

Instrument :
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Tot Ion:330 Resp: 369224
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.8 113.6
 141 33.4 29.7 44.5

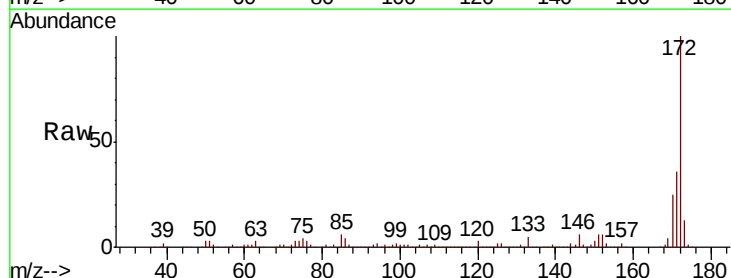


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

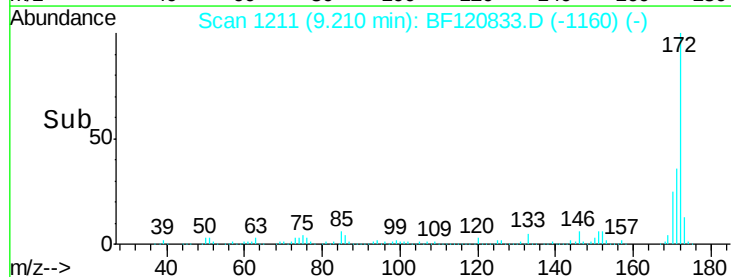
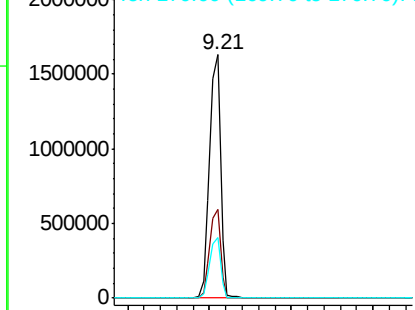


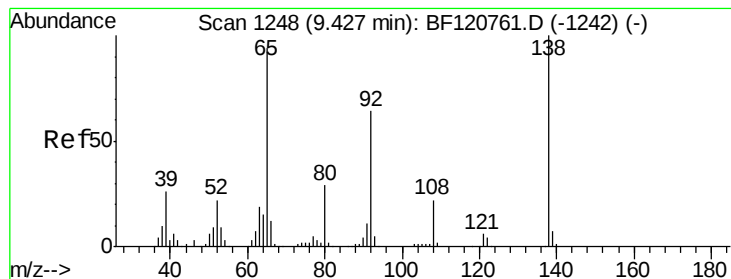
#45
 2-Fluorobiphenyl
 Concen: 92.800 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120833.D
 Acq: 10 Jul 2020 16:00

Tgt Ion:172 Resp: 1533426
 Ion Ratio Lower Upper
 172 100
 171 36.3 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: 3.130 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.22 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

Instrument :

BNA_F

ClientSampleId :

PB130117BL

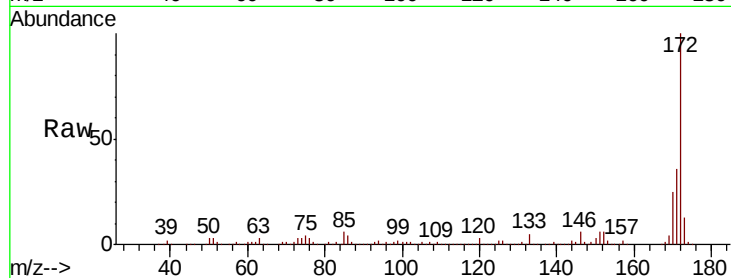
Tot Ion: 65 Resp: 2610

Ion Ratio Lower Upper

65 100

92 211.3 54.4 81.6#

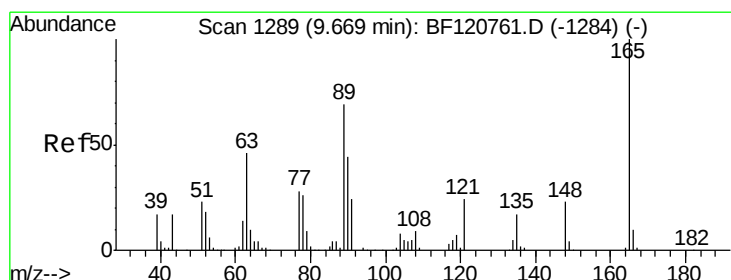
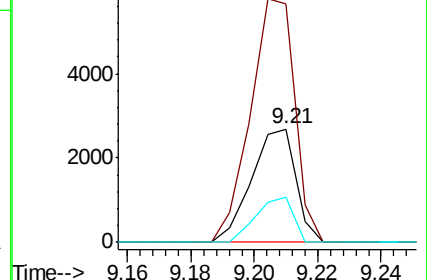
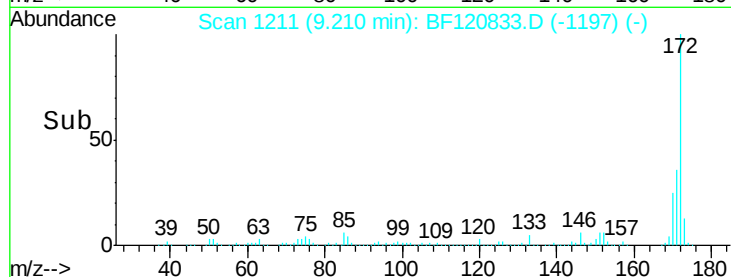
138 40.4 84.7 127.1#



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: 10.555 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

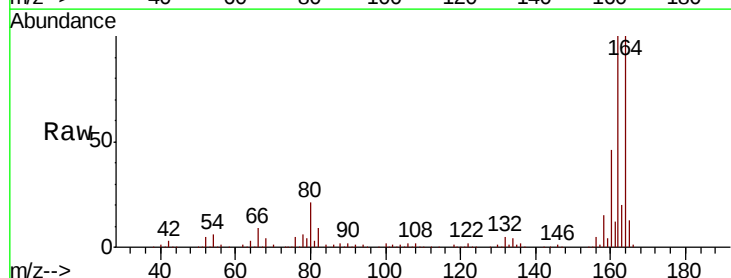
Tgt Ion: 165 Resp: 31497

Ion Ratio Lower Upper

165 100

63 1.5 54.0 81.0#

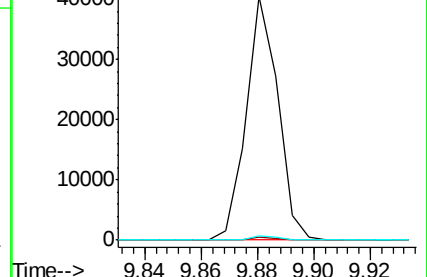
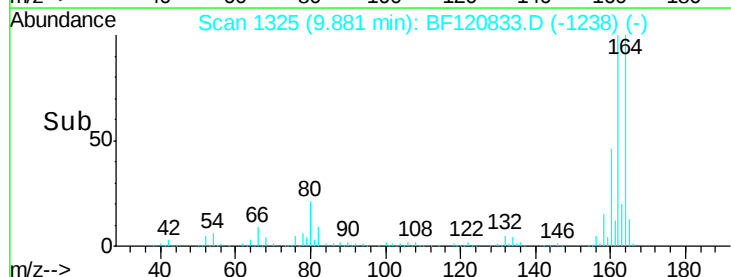
89 1.7 55.4 83.2#

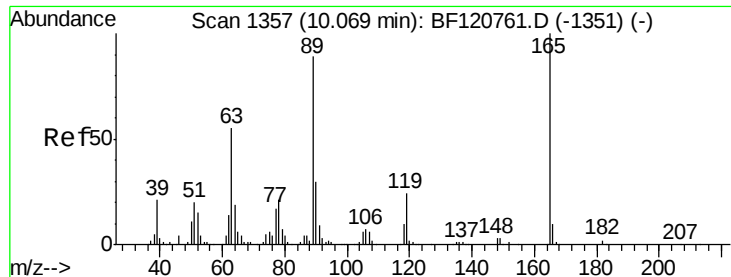


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

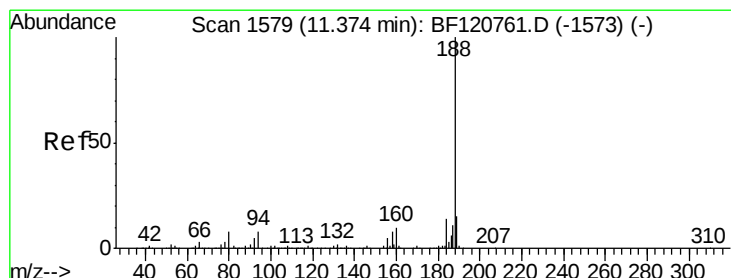
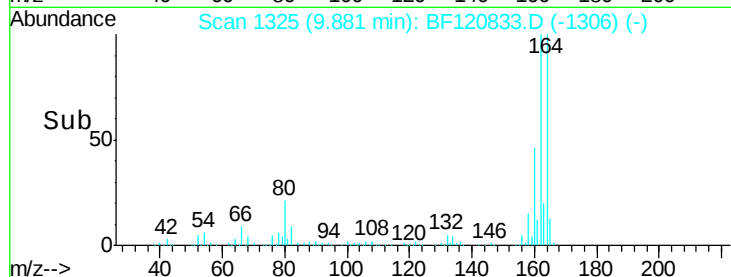
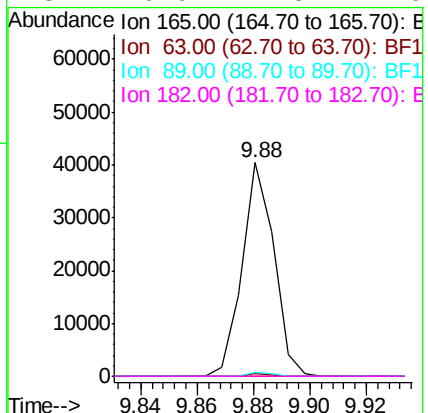
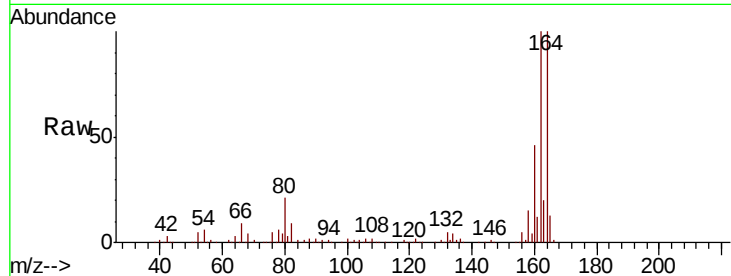




#57
 2,4-Dinitrotoluene
 Concen: 9.604 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120833.D
 Acq: 10 Jul 2020 16:00

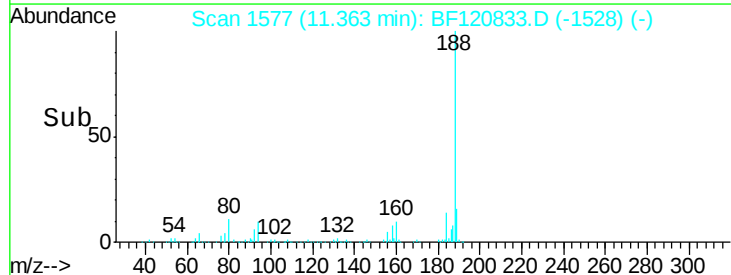
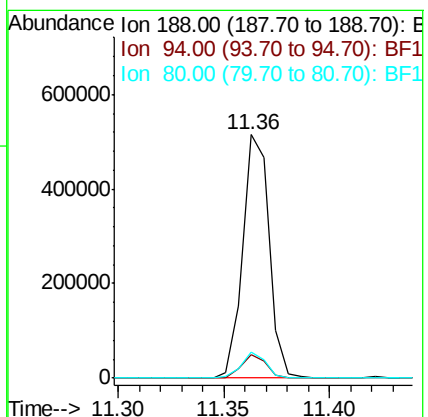
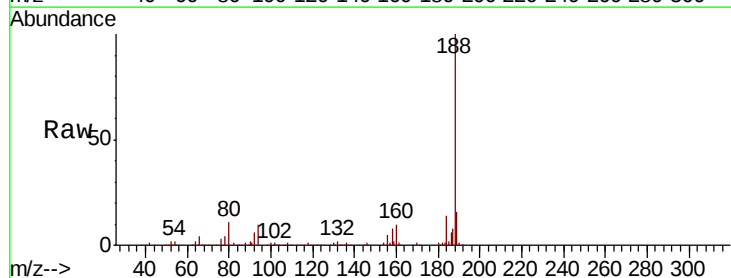
Instrument :
 BNA_F
 ClientSampleId :
 PB130117BL

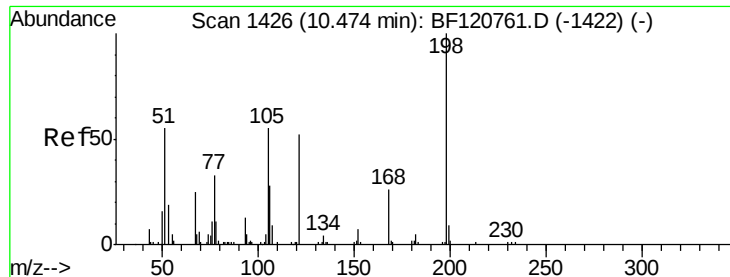
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	43.8	65.8#
89	1.7	71.4	107.2#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF120833.D
 Acq: 10 Jul 2020 16:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	6.6	9.8
80	10.5	6.6	10.0#





#65

4,6-Dinitro-2-methylphenol

Concen: 7.401 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

Instrument :

BNA_F

ClientSampleId :

PB130117BL

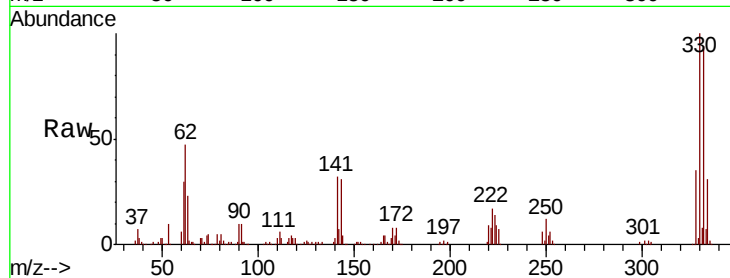
Tot Ion:198 Resp: 863

Ion Ratio Lower Upper

198 100

51 140.3 50.0 90.0#

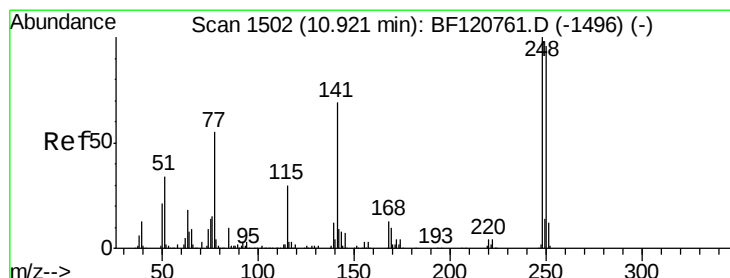
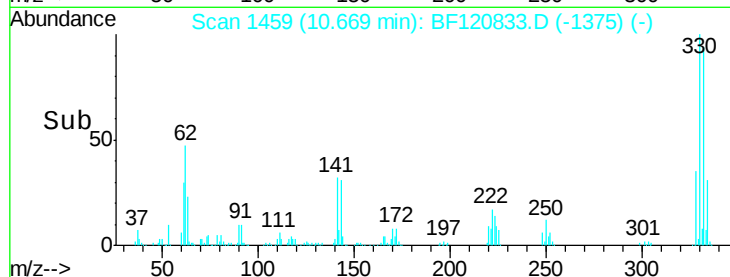
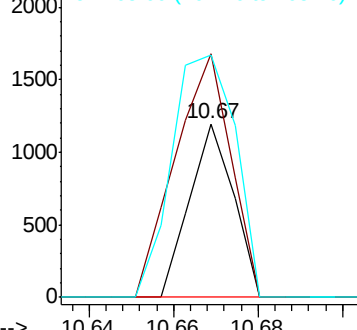
105 139.7 38.3 78.3#



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: 4.200 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF120833.D

Acq: 10 Jul 2020 16:00

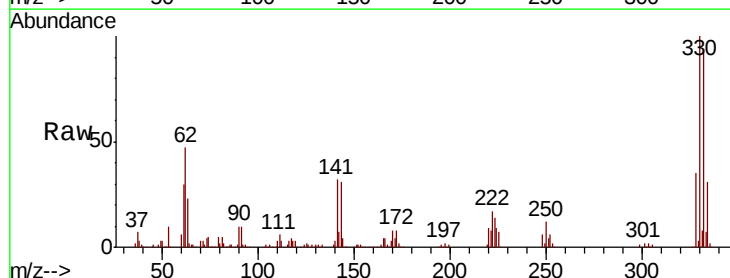
Tgt Ion:248 Resp: 21735

Ion Ratio Lower Upper

248 100

250 199.3 76.5 114.7#

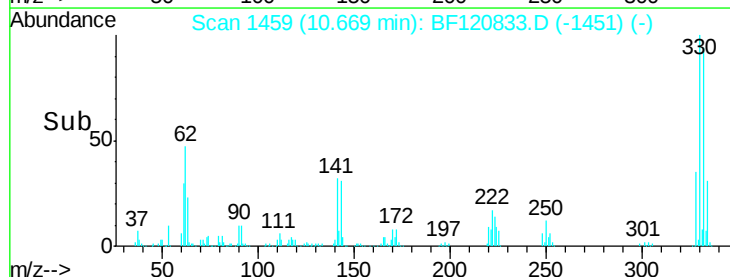
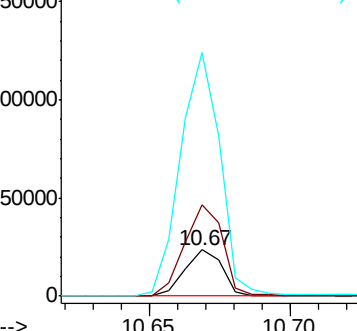
141 528.9 54.9 82.3#

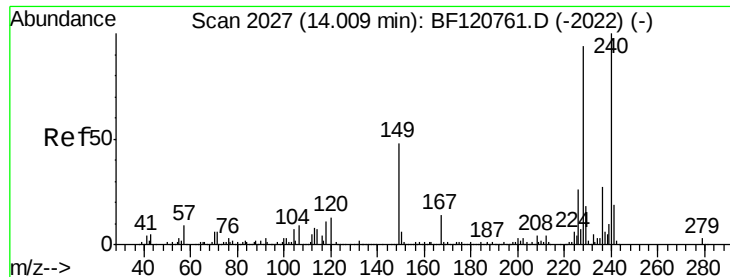


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

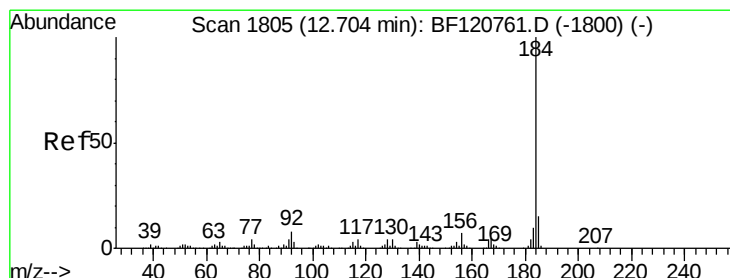
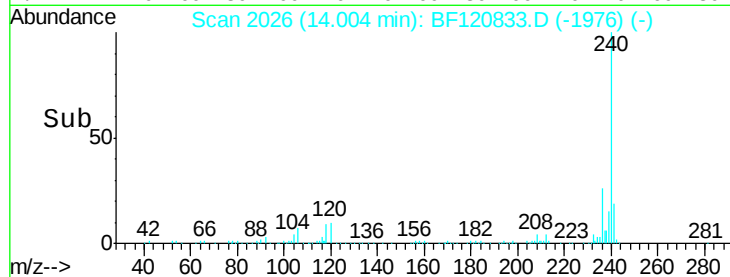
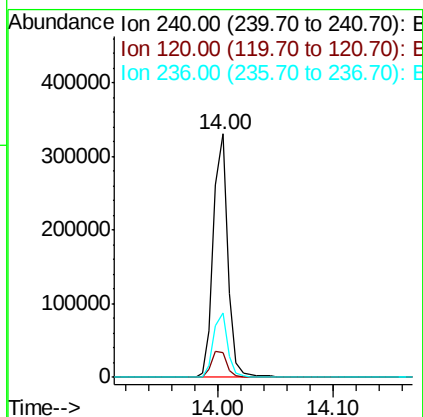
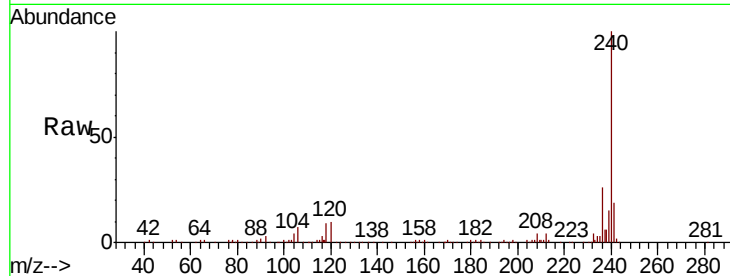




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120833.D
Acq: 10 Jul 2020 16:00

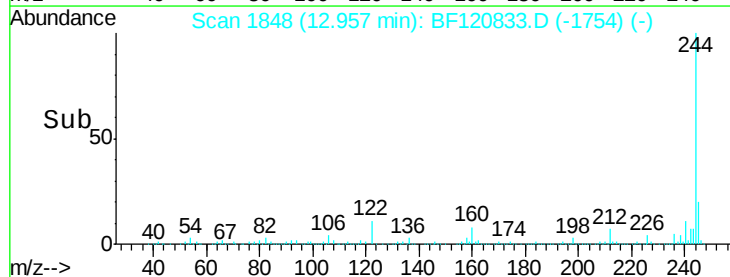
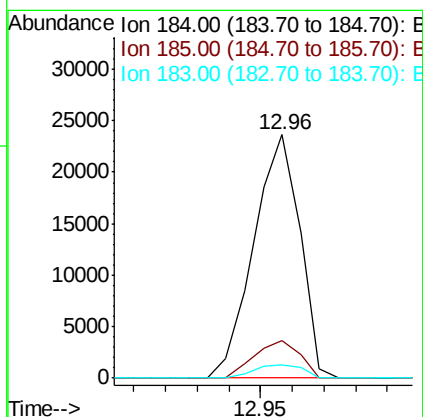
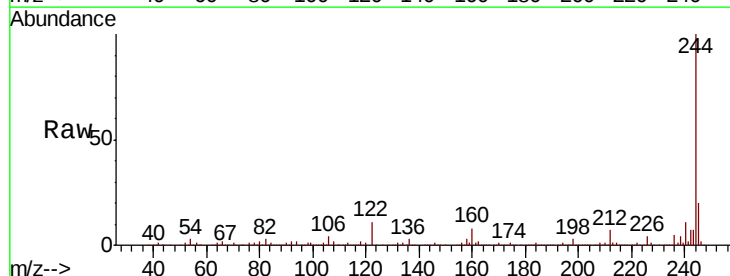
Instrument :
BNA_F
ClientSampleId :
PB130117BL

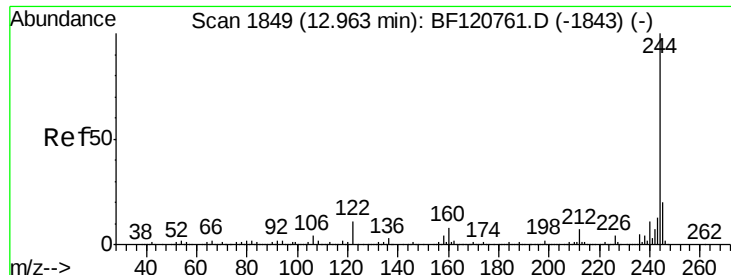
Tot Ion:240 Resp: 286596
Ion Ratio Lower Upper
240 100
120 10.1 10.3 15.5#
236 26.4 21.4 32.2



#77
Benzidine
Concen: 2.946 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120833.D
Acq: 10 Jul 2020 16:00

Tgt Ion:184 Resp: 23829
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 5.6 8.3 12.5#



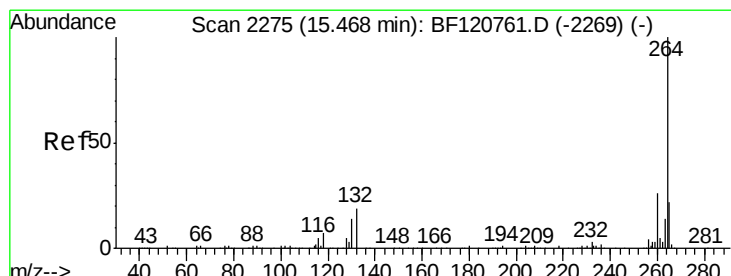
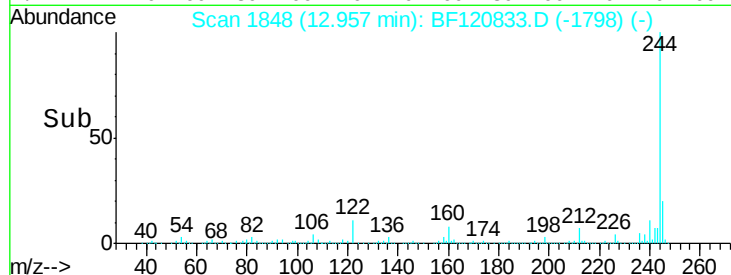
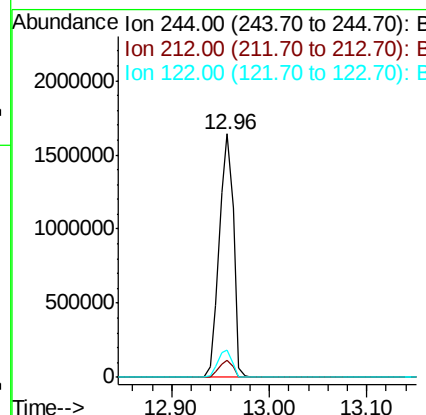
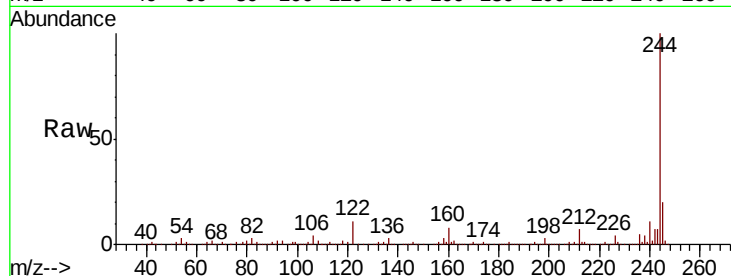


#79
 Terphenyl-d14
 Concen: 113.302 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120833.D
 Acq: 10 Jul 2020 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PB130117BL

Tot Ion:244 Resp: 1658518

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.1	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: BF120833.D
 Acq: 10 Jul 2020 16:00

Tgt Ion:264 Resp: 233638

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	30.8
265	21.8	17.6	26.4

