

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120830.D
 Acq On : 10 Jul 2020 14:34
 Operator : JU/CG
 Sample : PB130090BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130090BL

Quant Time: Jul 10 15:25:00 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

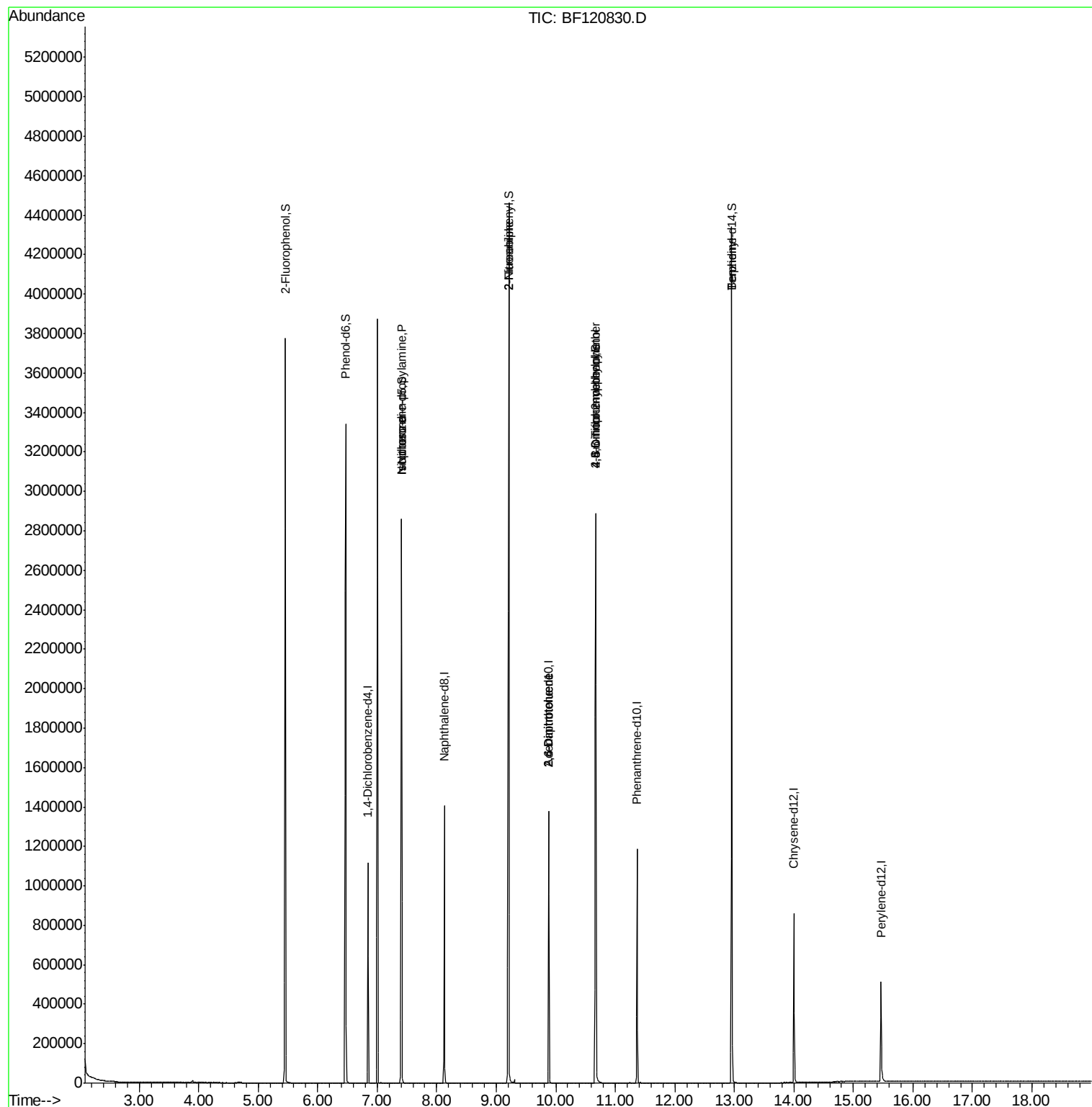
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	137692	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514832	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	246418	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	439876	20.00	ng	0.00
76) Chrysene-d12	14.00	240	278969	20.00	ng	0.00
86) Perylene-d12	15.46	264	223617	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1196405	134.13	ng	0.00
7) Phenol-d6	6.47	99	1451222	127.40	ng	0.00
23) Nitrobenzene-d5	7.41	82	896075	100.84	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	356775	144.12	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1550815	95.22	ng	0.00
79) Terphenyl-d14	12.96	244	1613382	113.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	120793	17.612	ng	# 75
25) Isophorone	7.41	82	896060	46.759	ng	# 64
48) 2-Nitroaniline	9.20	65	2384	3.092	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	31849	10.770	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	31849	9.773	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	780	7.368	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	21269	4.168	ng	# 1
77) Benzidine	12.96	184	23499	2.984	ng	# 95

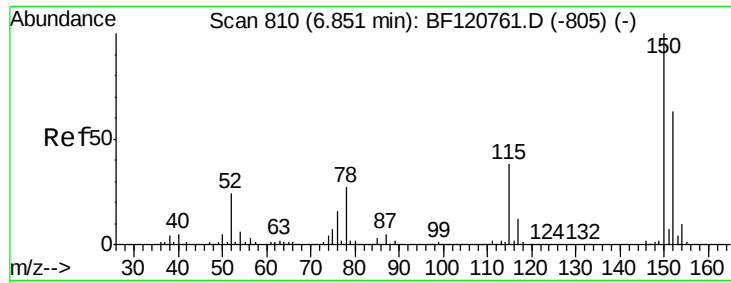
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120830.D
Acq On : 10 Jul 2020 14:34
Operator : JU/CG
Sample : PB130090BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB130090BL

Quant Time: Jul 10 15:25:00 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

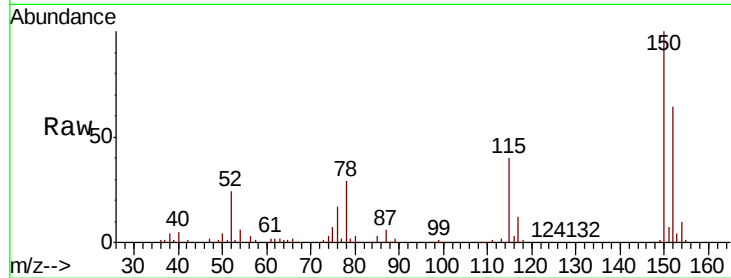




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120830.D
 Acq: 10 Jul 2020 14:34

Instrument :
 BNA_F
 ClientSampleId :
 PB130090BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.1	189.1
115	63.0	48.5	72.7

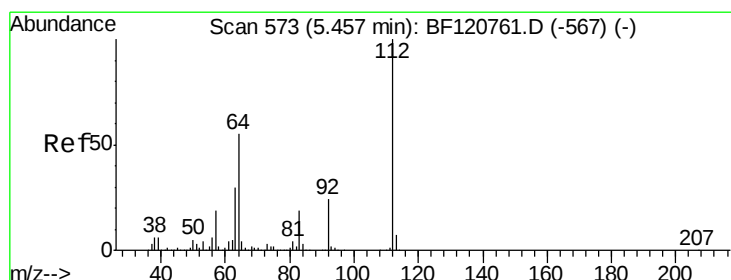
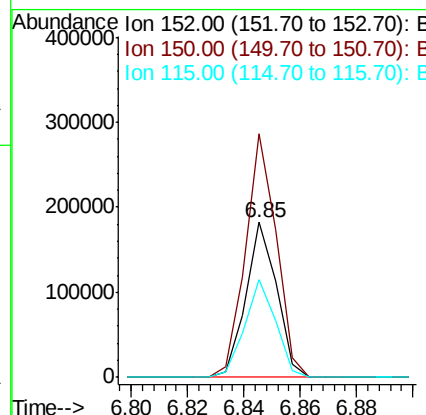
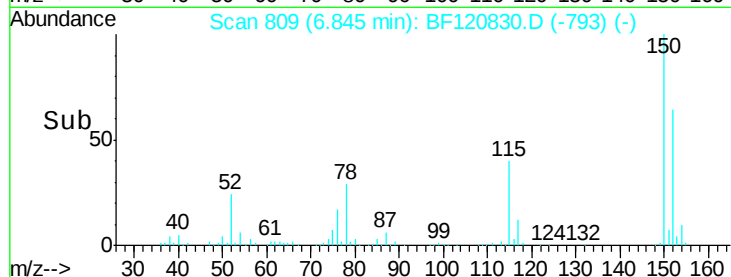


Abundance

Ion 152.00 (151.70 to 152.70): E

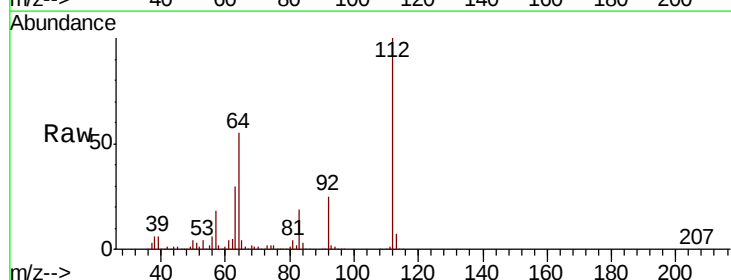
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 134.128 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF120830.D
 Acq: 10 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.8	65.6
63	29.5	23.6	35.4

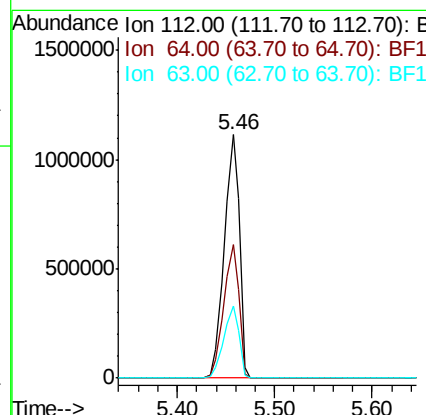
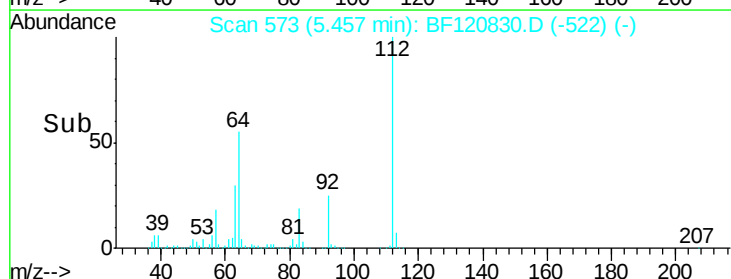


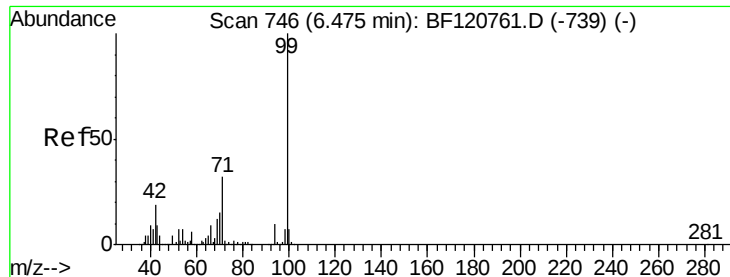
Abundance

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: 127.400 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

BNA_F

ClientSampleId :

PB130090BL

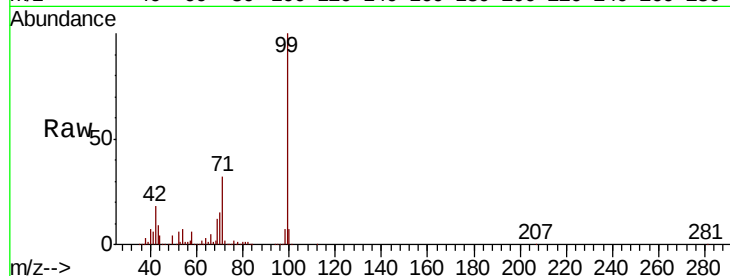
Tot Ion: 99 Resp: 1451222

Ion Ratio Lower Upper

99 100

42 18.3 15.4 23.0

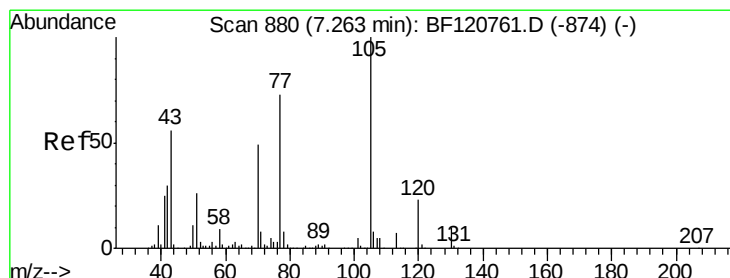
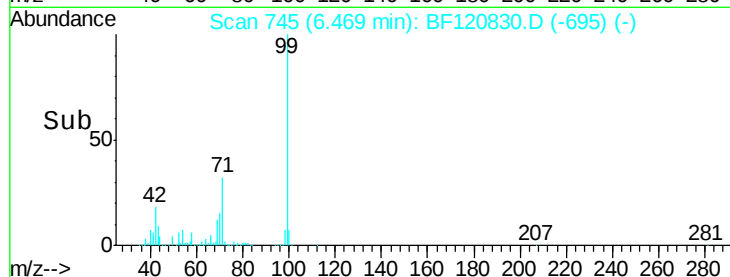
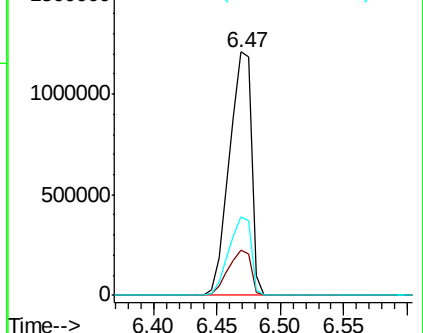
71 32.3 25.9 38.9



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: 17.612 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Tgt Ion: 70 Resp: 120793

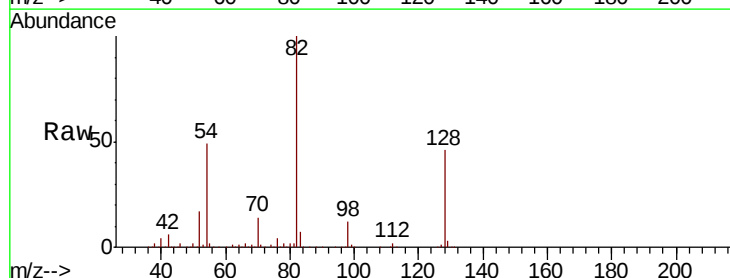
Ion Ratio Lower Upper

70 100

42 47.2 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

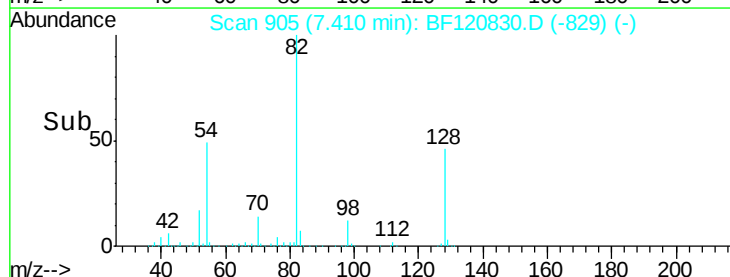
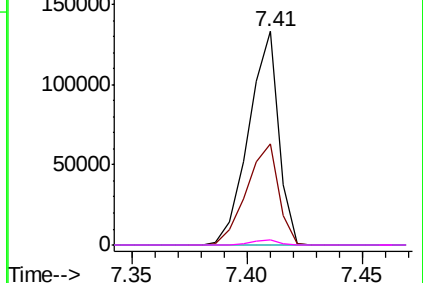


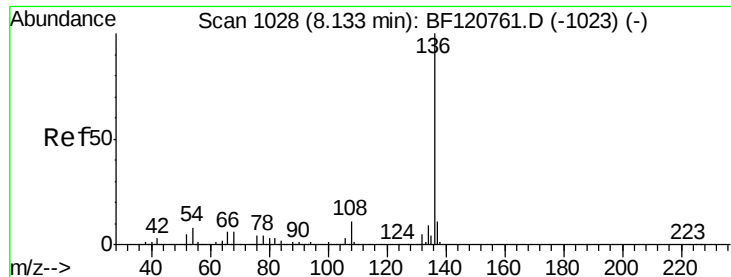
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

BNA_F

ClientSampleId :

PB130090BL

Tot Ion:136 Resp: 514832

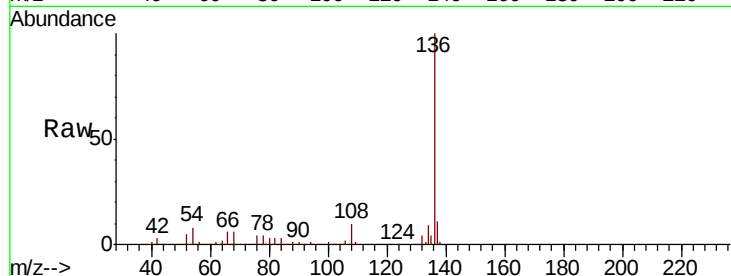
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.9 6.2 9.4

68 5.6 4.7 7.1

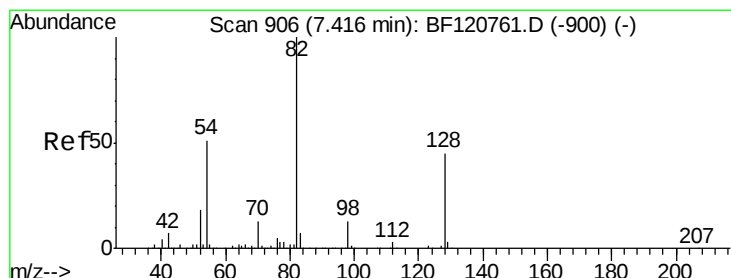
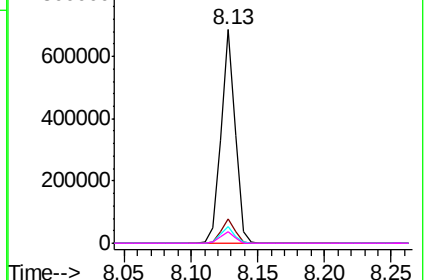
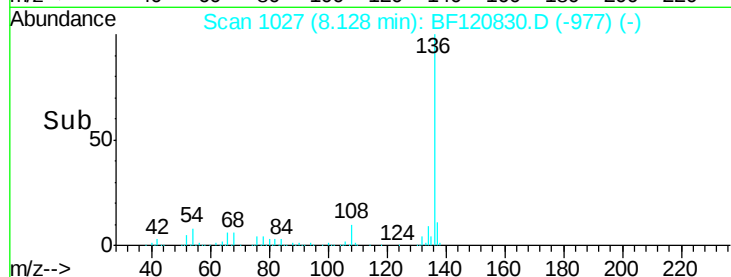


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.842 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

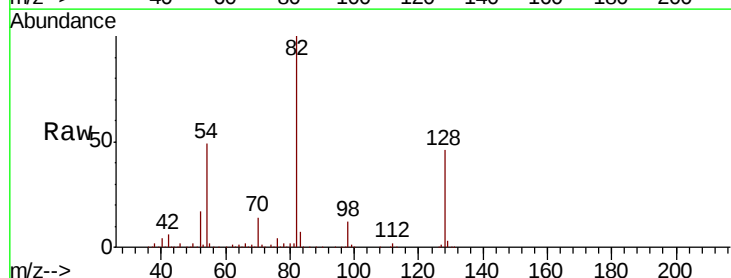
Tgt Ion: 82 Resp: 896075

Ion Ratio Lower Upper

82 100

128 46.5 35.7 53.5

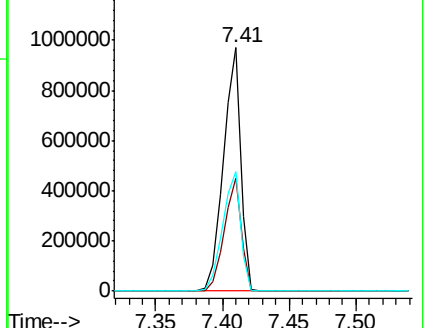
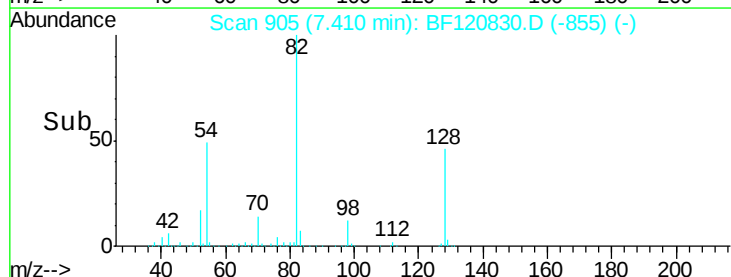
54 49.2 40.9 61.3

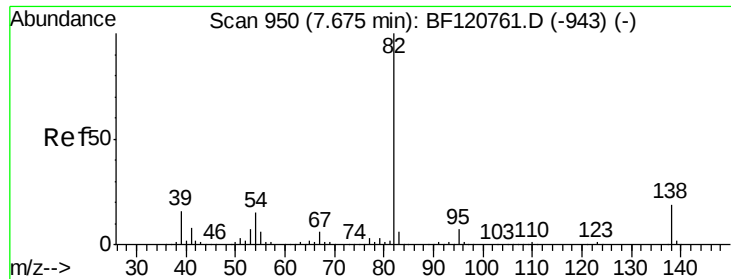


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.759 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

BNA_F

ClientSampleId :

PB130090BL

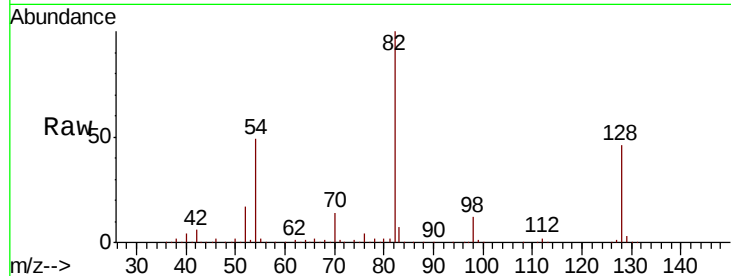
Tot Ion: 82 Resp: 896060

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

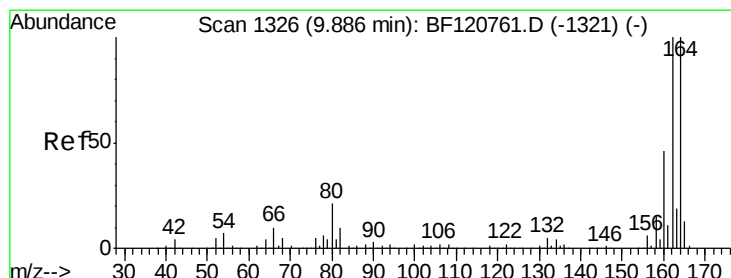
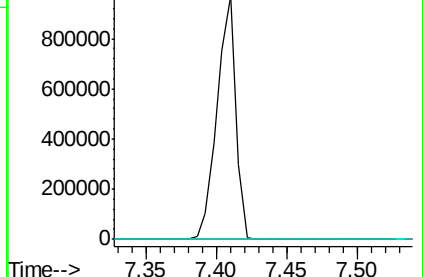
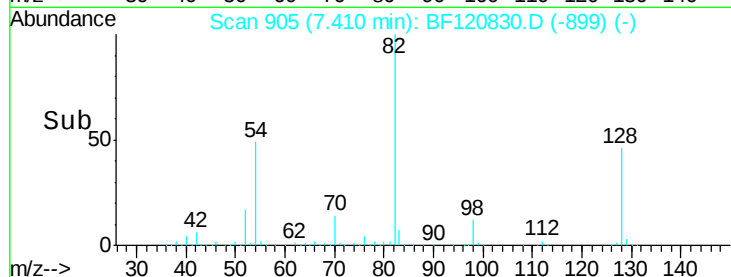
138 0.0 15.0 22.4#



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: BF120830.D

Acq: 10 Jul 2020 14:34

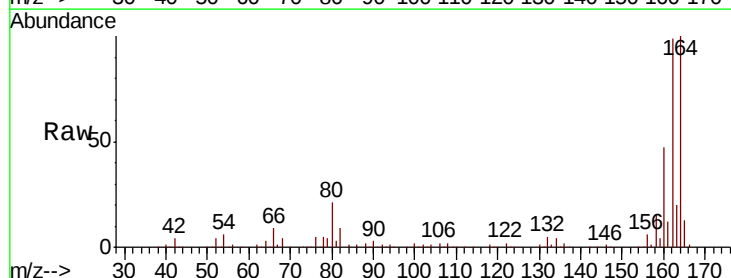
Tgt Ion: 164 Resp: 246418

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

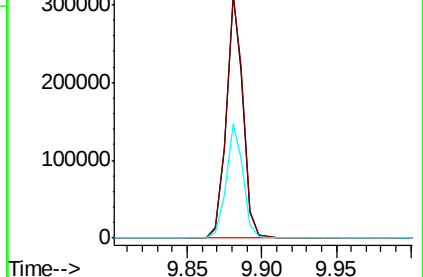
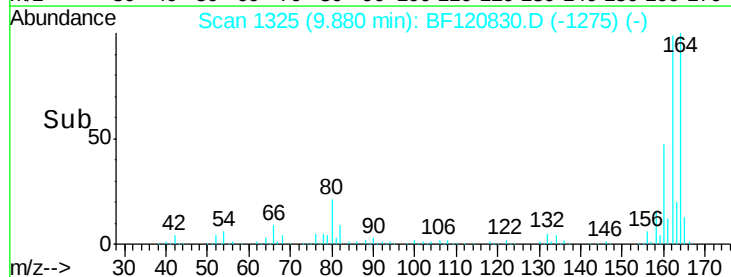
160 46.9 36.9 55.3

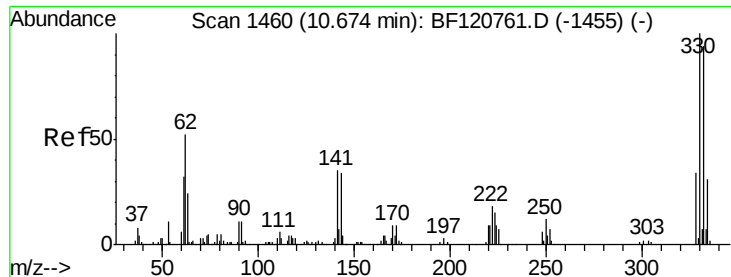


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 144.115 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

BNA_F

ClientSampleId :

PB130090BL

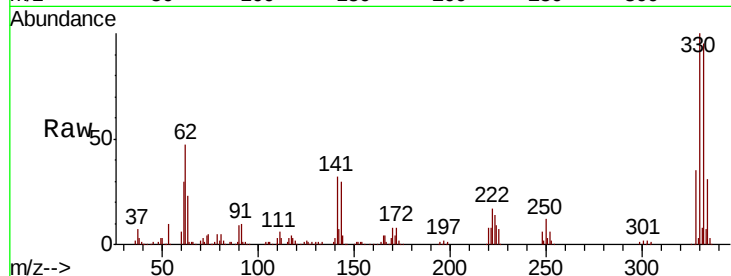
Tot Ion:330 Resp: 356775

Ion Ratio Lower Upper

330 100

332 95.5 75.8 113.6

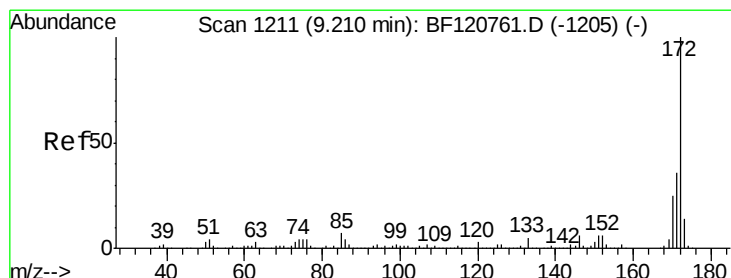
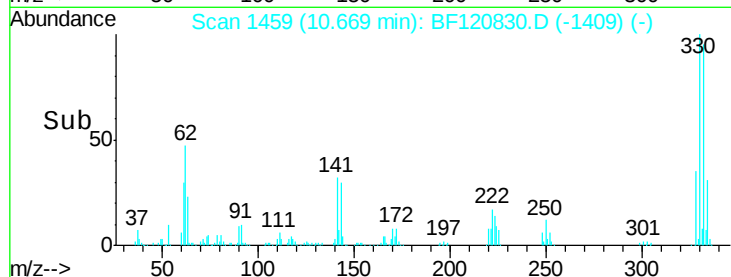
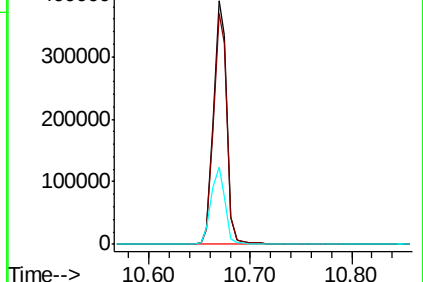
141 33.7 29.7 44.5



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: 95.216 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

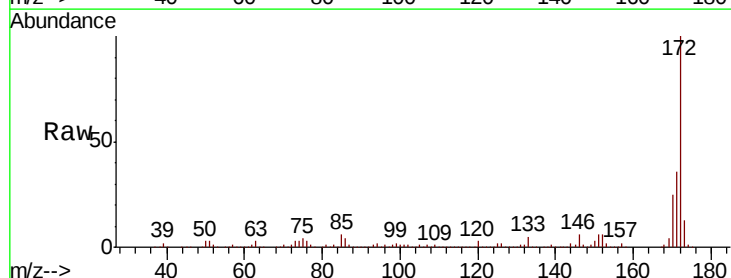
Tgt Ion:172 Resp: 1550815

Ion Ratio Lower Upper

172 100

171 36.1 29.1 43.7

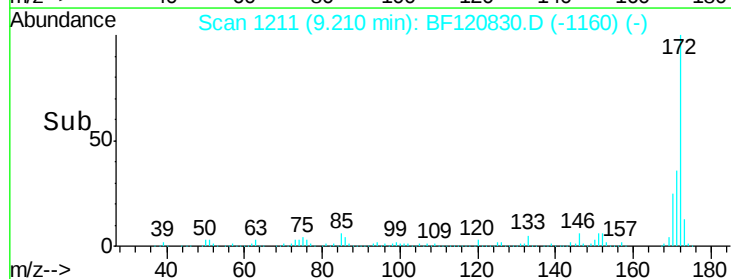
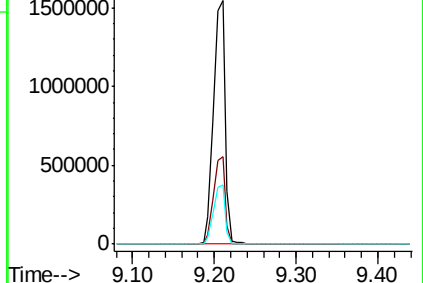
170 24.5 19.8 29.6

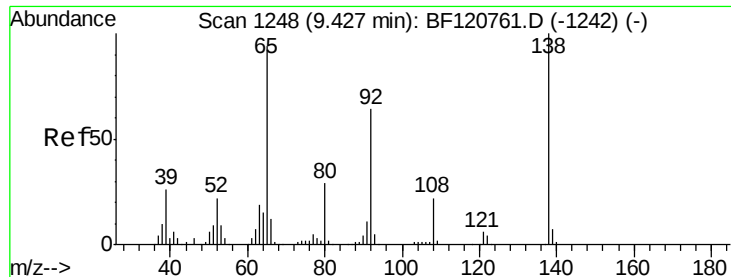


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

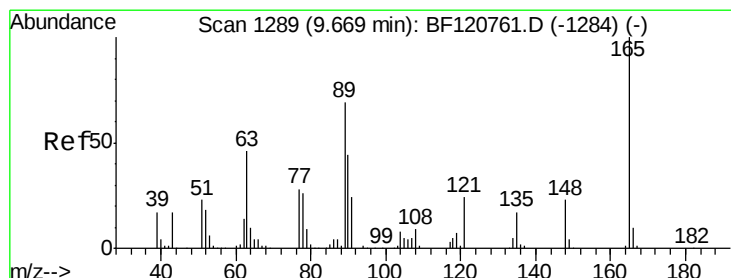
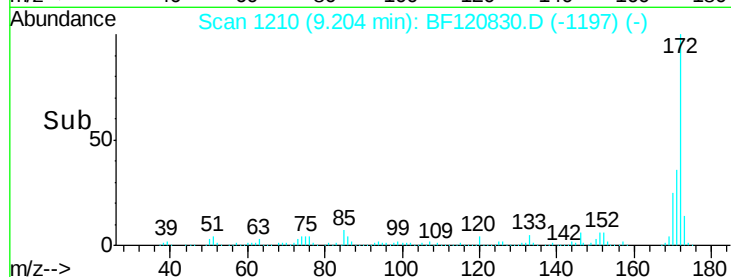
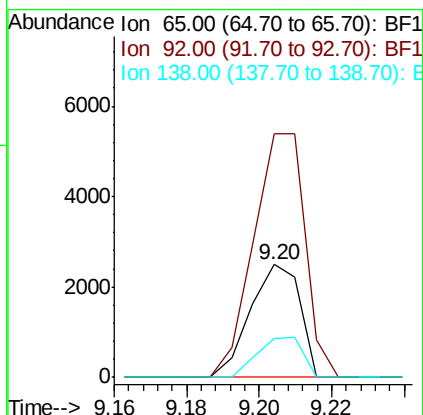
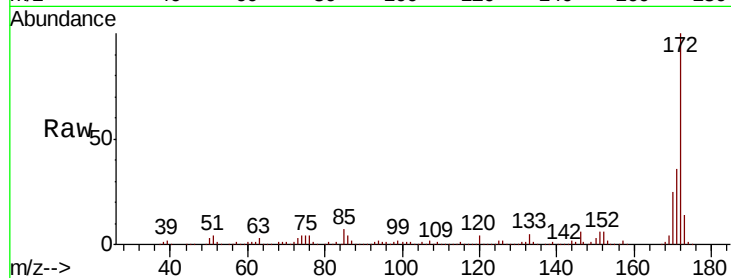




#48
2-Nitroaniline
Concen: 3.092 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.22 min
Lab File: BF120830.D
Acq: 10 Jul 2020 14:34

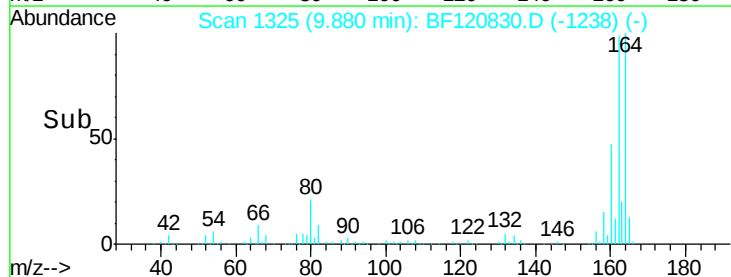
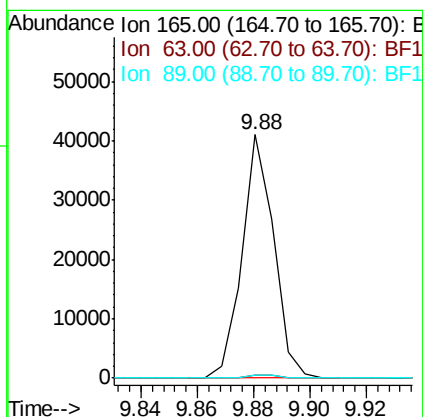
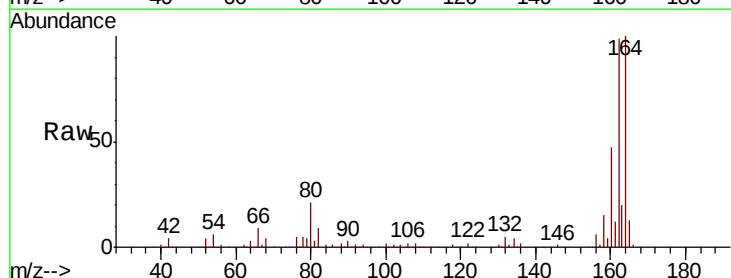
Instrument :
BNA_F
ClientSampleId :
PB130090BL

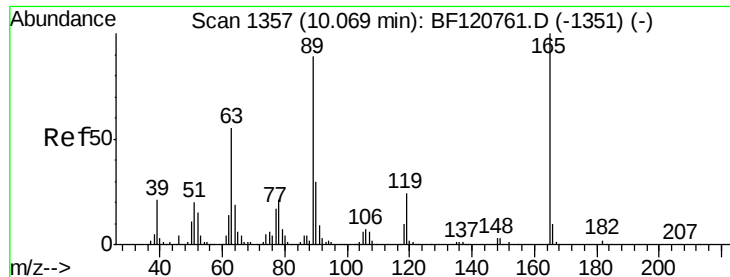
Tot Ion: 65 Resp: 2384
Ion Ratio Lower Upper
65 100
92 215.2 54.4 81.6#
138 34.9 84.7 127.1#



#51
2,6-Dinitrotoluene
Concen: 10.770 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF120830.D
Acq: 10 Jul 2020 14:34

Tgt Ion: 165 Resp: 31849
Ion Ratio Lower Upper
165 100
63 1.0 54.0 81.0#
89 1.1 55.4 83.2#

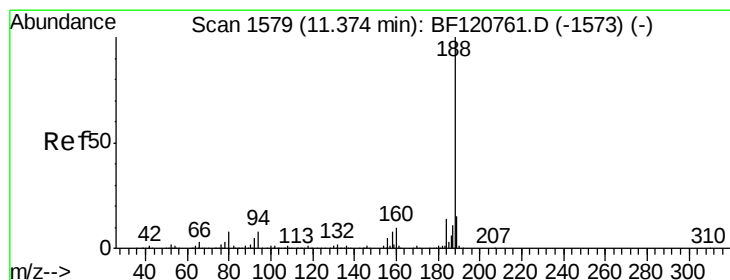
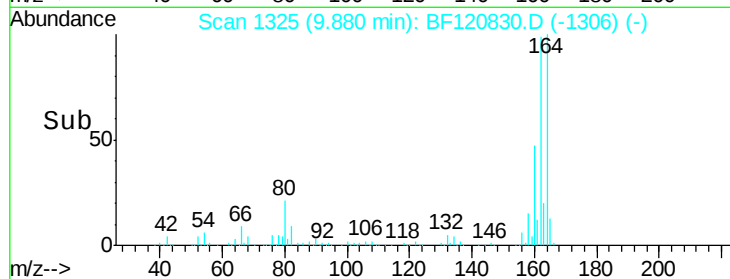
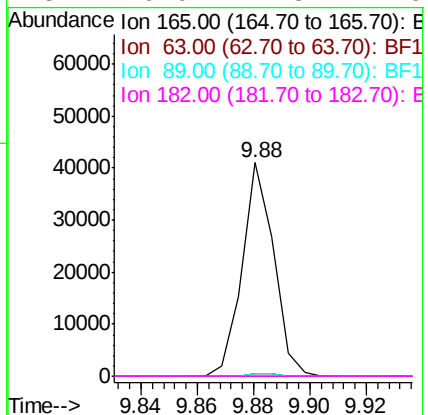
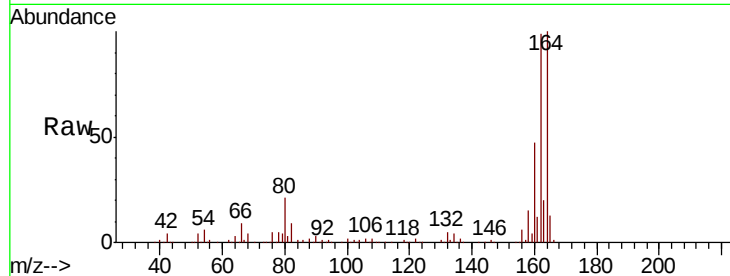




#57
 2,4-Dinitrotoluene
 Concen: 9.773 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120830.D
 Acq: 10 Jul 2020 14:34

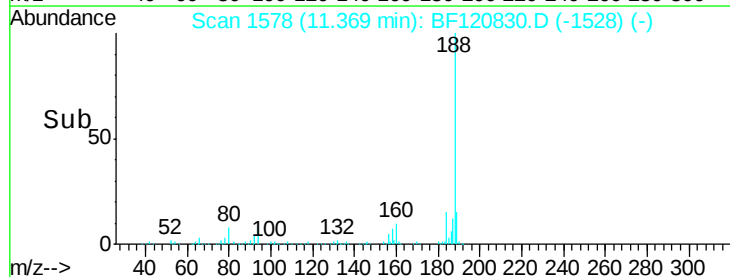
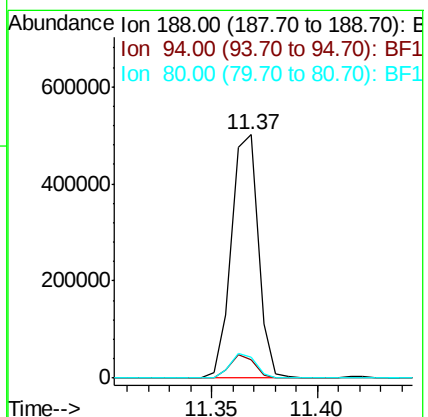
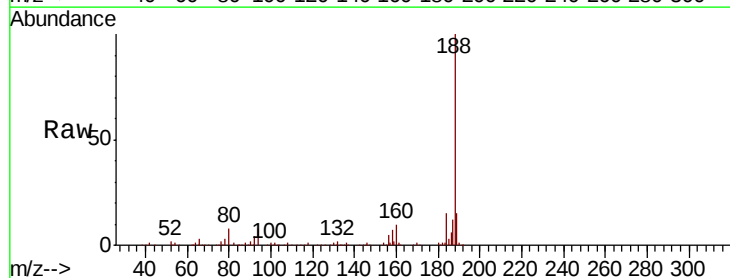
Instrument :
 BNA_F
 ClientSampleId :
 PB130090BL

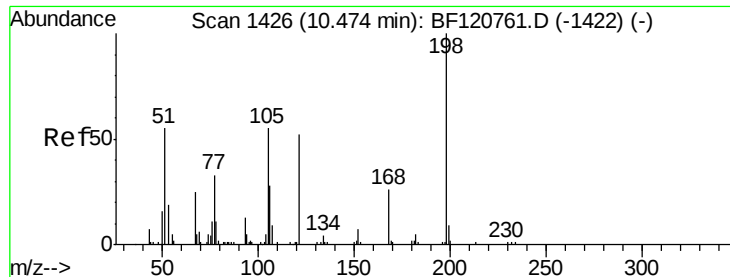
Tot Ion:165 Resp: 31849
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.8 65.8#
 89 1.1 71.4 107.2#
 182 0.0 1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120830.D
 Acq: 10 Jul 2020 14:34

Tgt Ion:188 Resp: 439876
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.6 9.8
 80 8.4 6.6 10.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.368 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

BNA_F

ClientSampleId :

PB130090BL

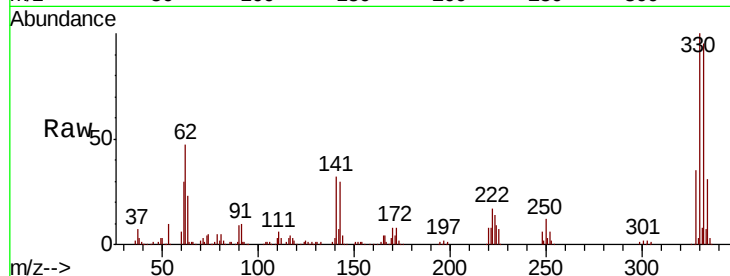
Tot Ion:198 Resp: 780

Ion Ratio Lower Upper

198 100

51 162.3 50.0 90.0#

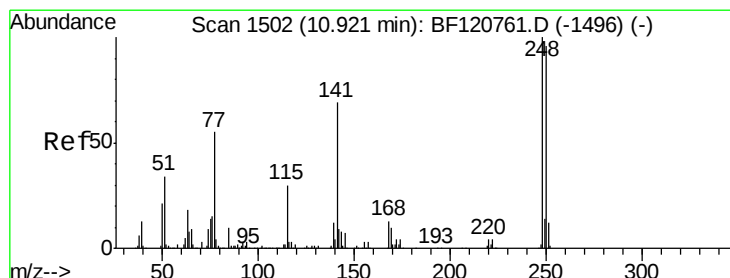
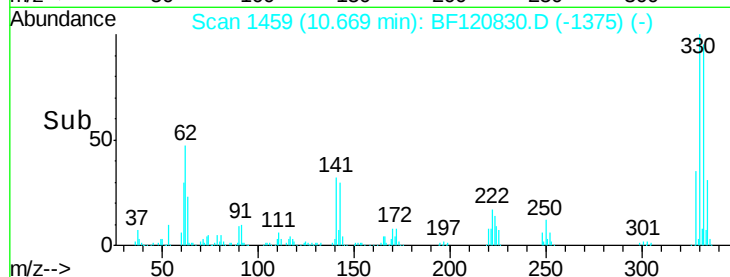
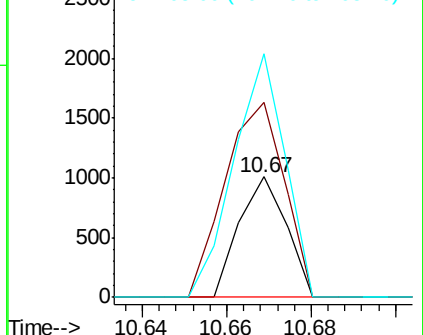
105 202.3 38.3 78.3#



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: 4.168 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

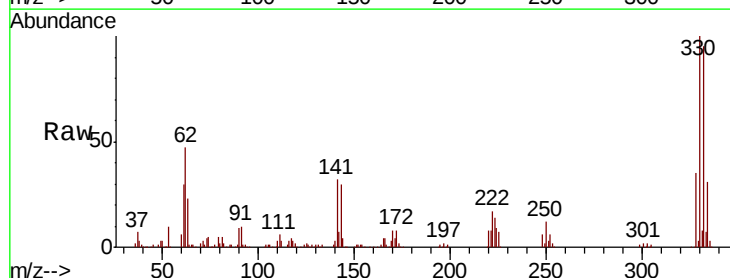
Tgt Ion:248 Resp: 21269

Ion Ratio Lower Upper

248 100

250 204.1 76.5 114.7#

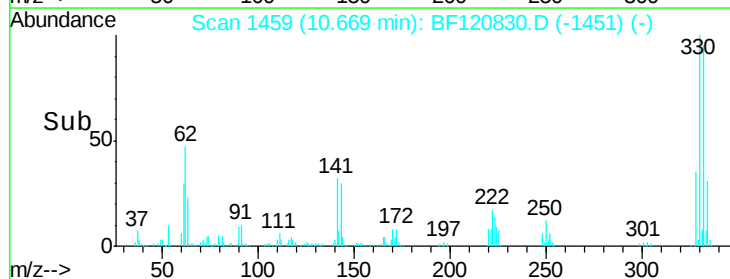
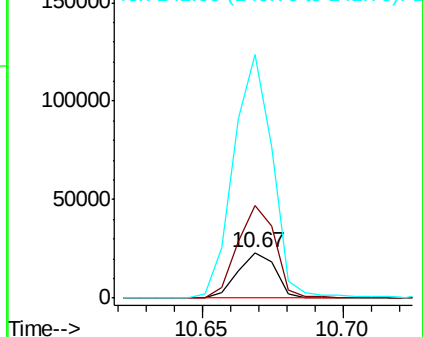
141 537.1 54.9 82.3#

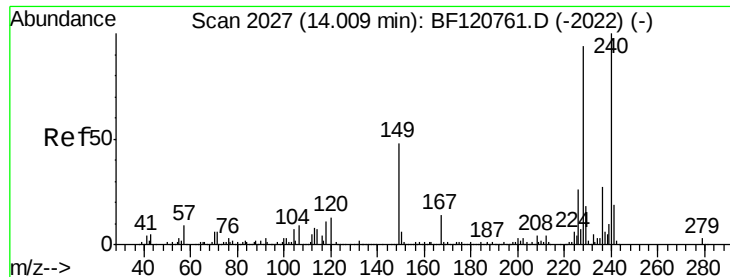


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

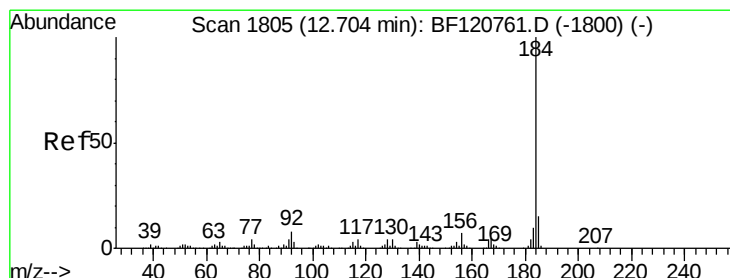
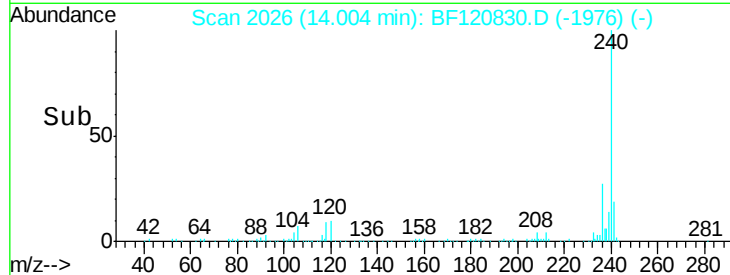
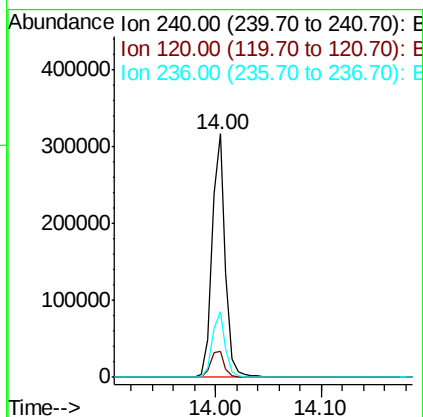
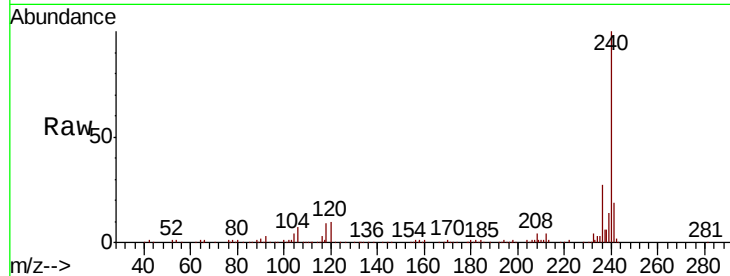




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120830.D
Acq: 10 Jul 2020 14:34

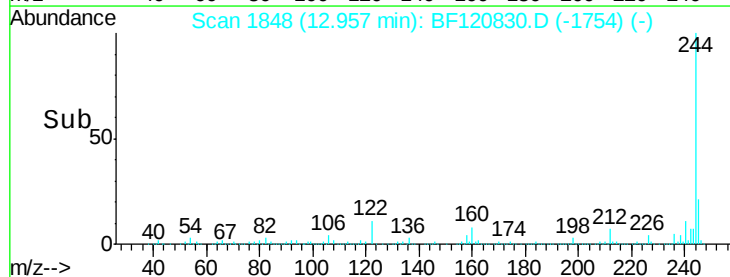
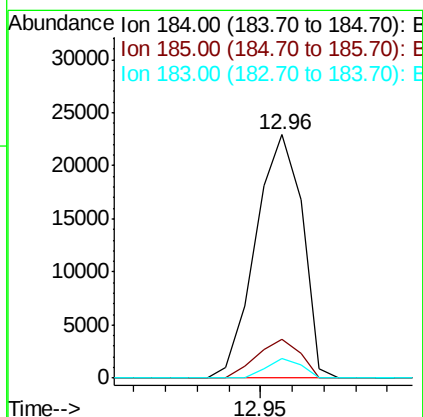
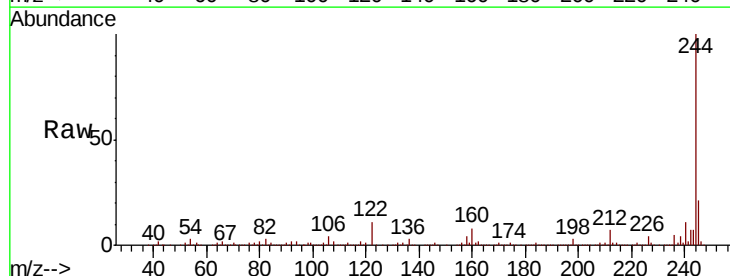
Instrument :
BNA_F
ClientSampleId :
PB130090BL

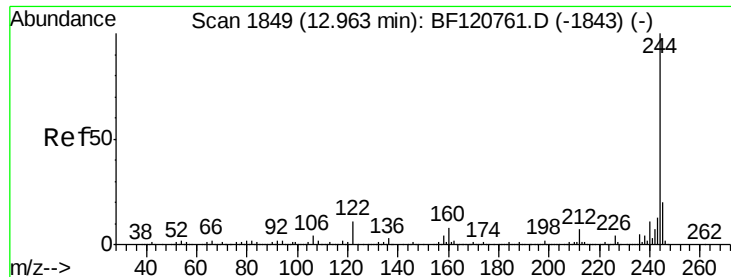
Tot Ion:240 Resp: 278969
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 26.9 21.4 32.2



#77
Benzidine
Concen: 2.984 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120830.D
Acq: 10 Jul 2020 14:34

Tgt Ion:184 Resp: 23499
Ion Ratio Lower Upper
184 100
185 16.0 11.8 17.8
183 7.8 8.3 12.5#





#79

Terphenyl-d14

Concen: 113.232 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Instrument :

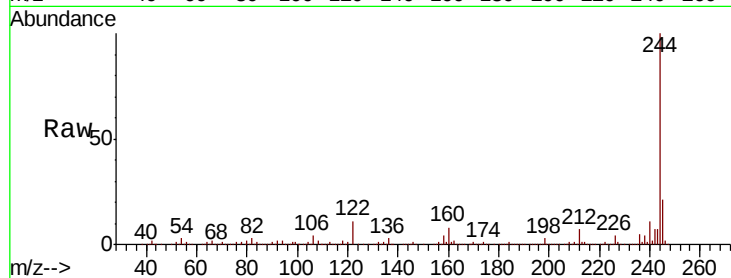
BNA_F

ClientSampleId :

PB130090BL

Tot Ion:244 Resp: 1613382

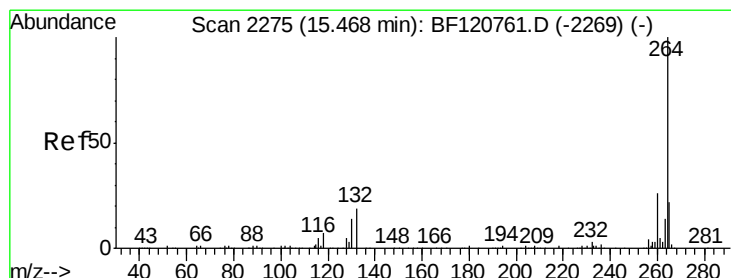
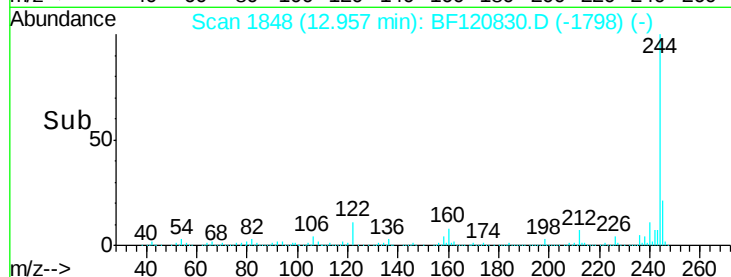
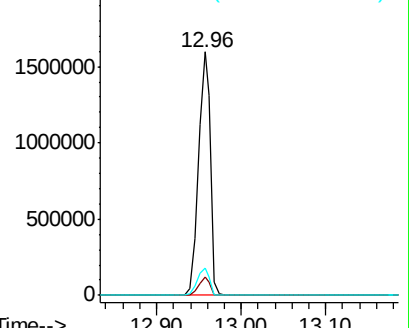
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.2	9.0	13.4



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: 15.46 min Scan# 2274

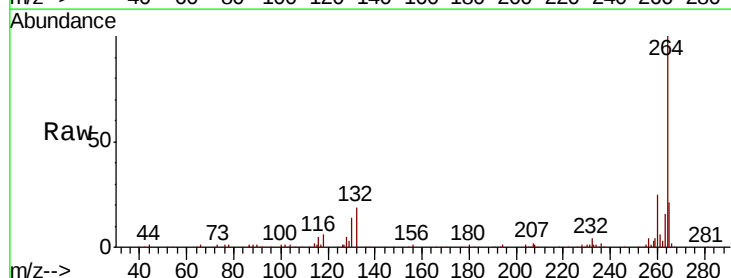
Delta R.T. -0.01 min

Lab File: BF120830.D

Acq: 10 Jul 2020 14:34

Tgt Ion:264 Resp: 223617

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.6	30.8
265	20.6	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

