

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\
 Data File : BF120769.D
 Acq On : 6 Jul 2020 10:37
 Operator : JU/CG
 Sample : PB129506BL
 Misc : PBBL01-MDL-SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 06 14:30:16 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

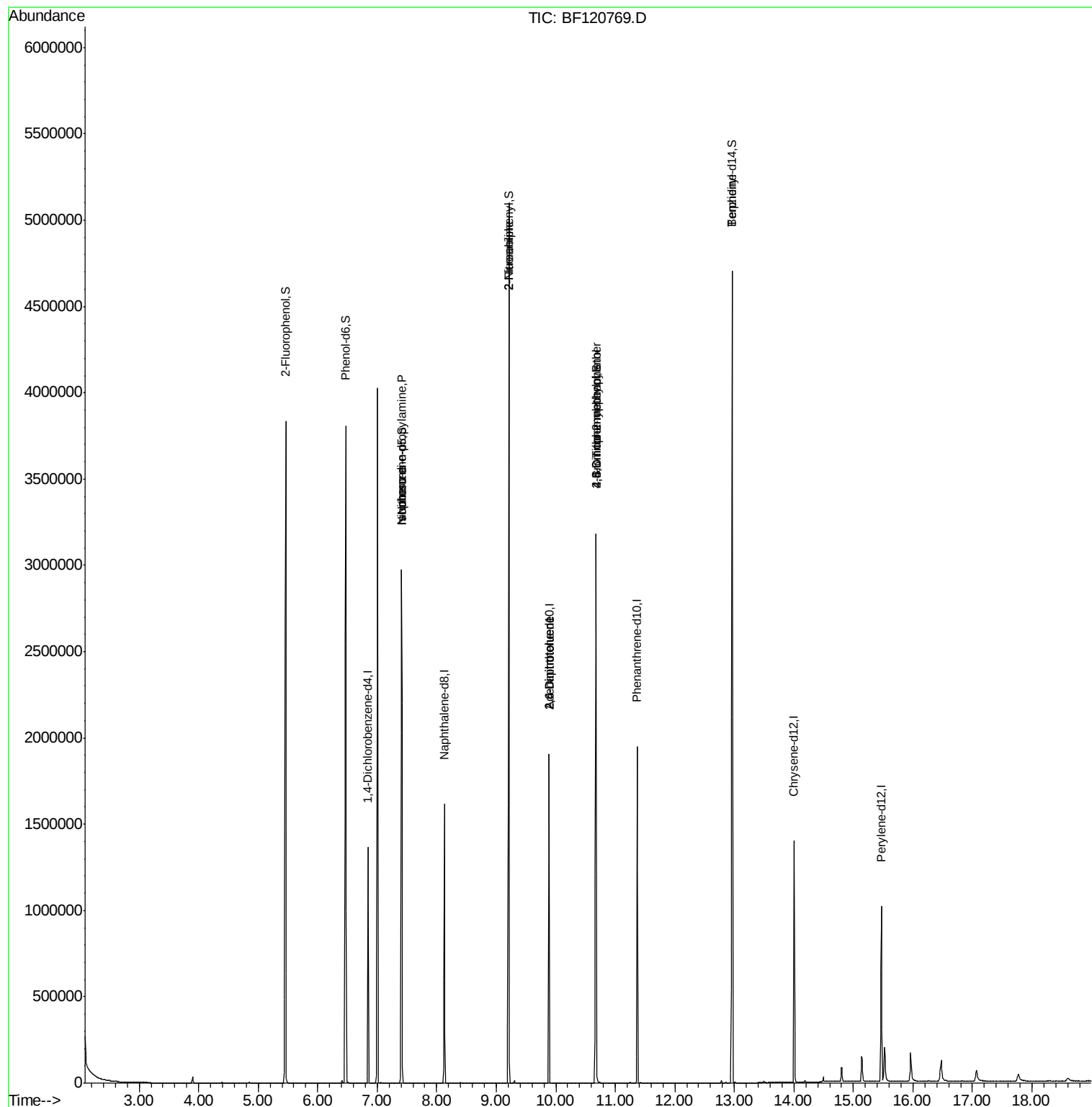
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176228	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	669186	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	336251	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	625840	20.00	ng	0.00
76) Chrysene-d12	14.00	240	466387	20.00	ng	0.00
86) Perylene-d12	15.47	264	431877	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1328779	116.39	ng	0.00
7) Phenol-d6	6.47	99	1607258	110.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	1005044	87.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	409772	121.30	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1723582	77.55	ng	0.00
79) Terphenyl-d14	12.96	244	1972497	82.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	139670	15.911	ng	# 77
25) Isophorone	7.41	82	1005023	40.348	ng	# 64
48) 2-Nitroaniline	9.21	65	2809	3.028	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	43343	10.747	ng	# 17
57) 2,4-Dinitrotoluene	9.89	165	43343	9.755	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	1172	7.388	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	24178	3.330	ng	# 1
77) Benzidine	12.96	184	29120	2.212	ng	# 93

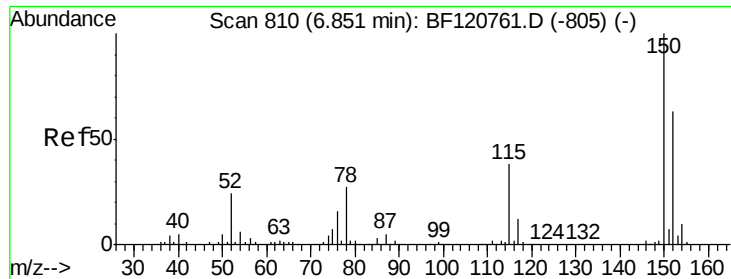
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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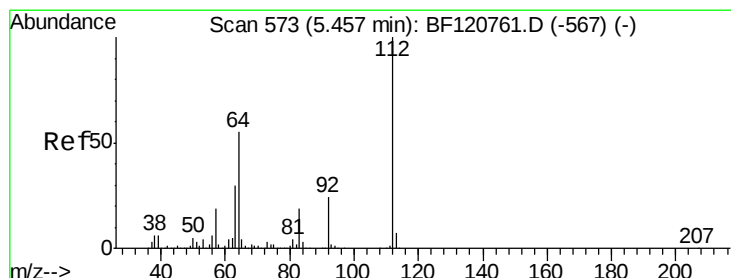
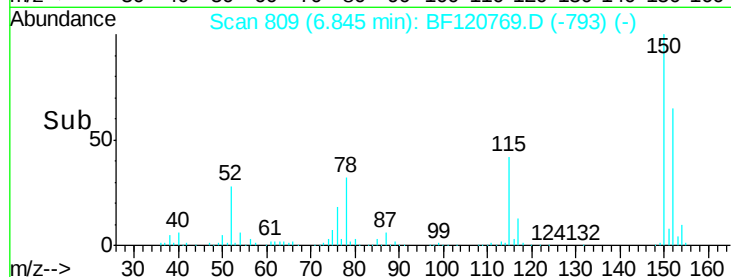
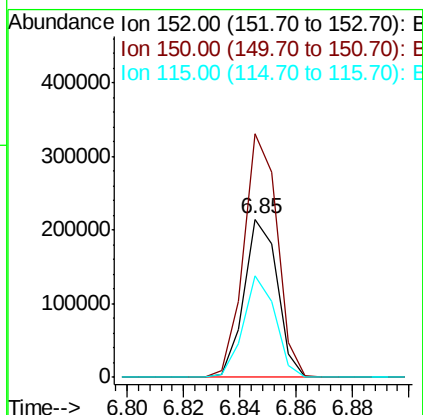
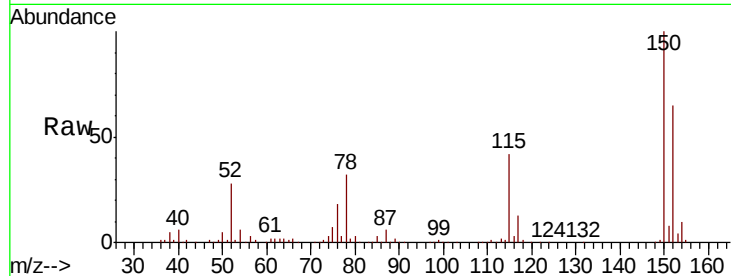


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

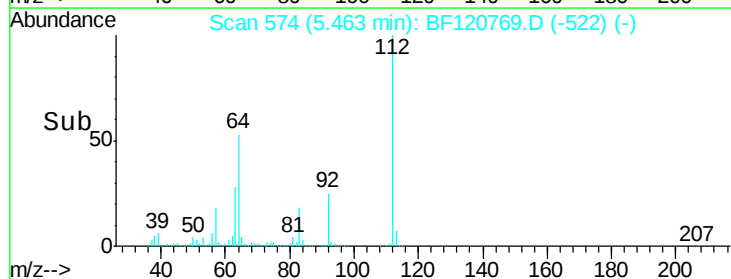
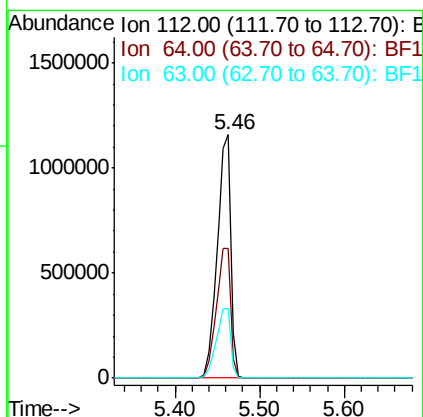
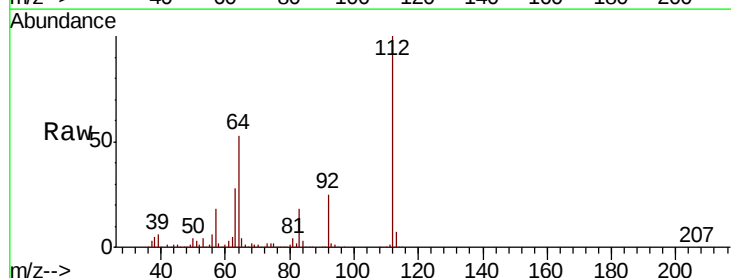
Tot Ion:152 Resp: 176228
Ion Ratio Lower Upper
152 100
150 154.1 126.1 189.1
115 64.3 48.5 72.7

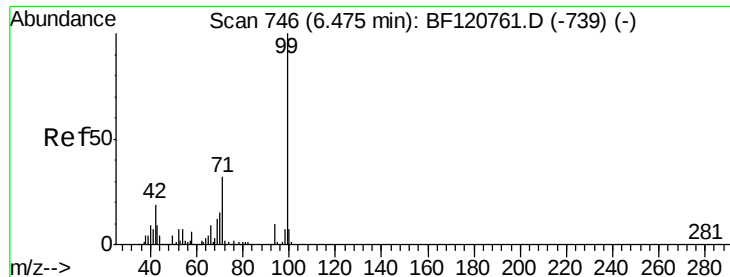


#5

2-Fluorophenol
Concen: 116.393 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:112 Resp: 1328779
Ion Ratio Lower Upper
112 100
64 53.1 43.8 65.6
63 28.3 23.6 35.4





#7

Phenol-d6

Concen: 110.244 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

Instrument :

BNA_P

ClientSampleId :

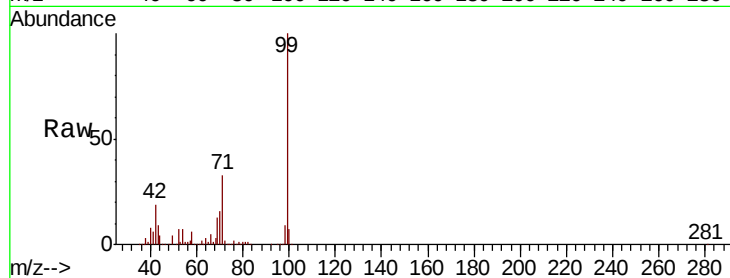
Tot Ion: 99 Resp: 1607258

Ion Ratio Lower Upper

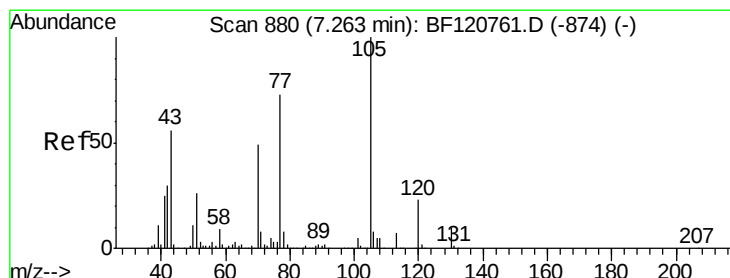
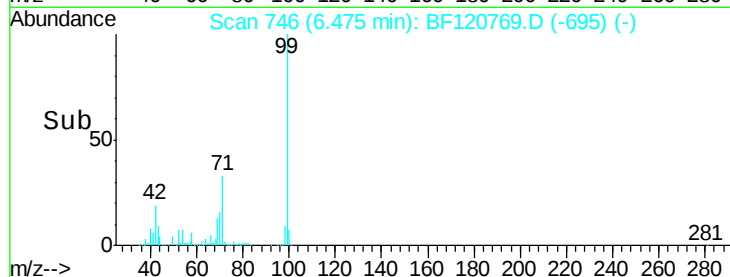
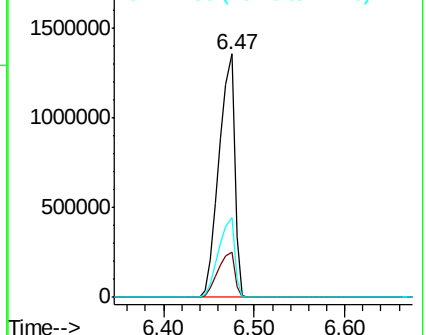
99 100

42 18.6 15.4 23.0

71 32.8 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: 15.911 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

Tgt Ion: 70 Resp: 139670

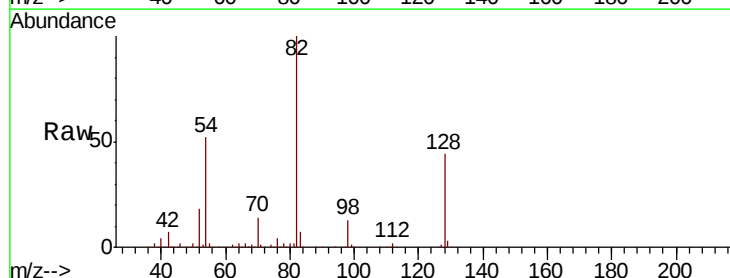
Ion Ratio Lower Upper

70 100

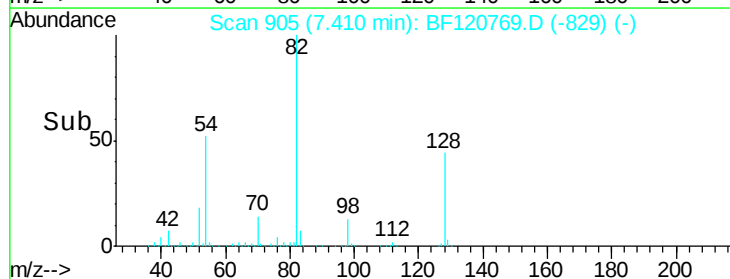
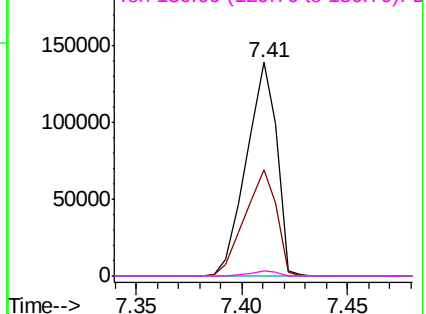
42 49.5 50.3 75.5#

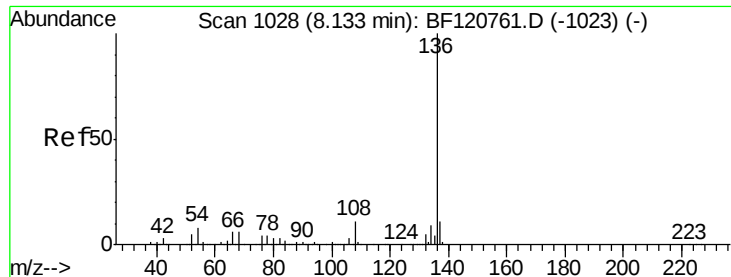
101 0.0 7.5 11.3#

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: BF120769.D

Acq: 6 Jul 2020 10:37

Instrument :

BNA_P

ClientSampled :

Tot Ion:136 Resp: 669186

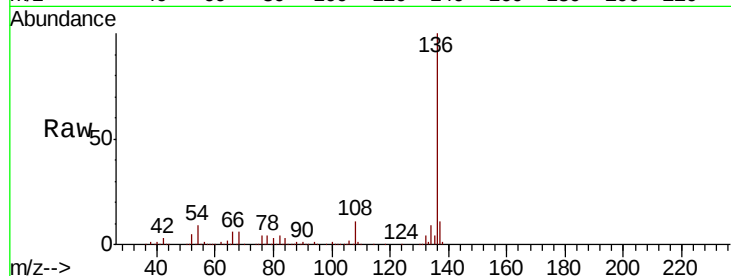
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.7 6.2 9.4

68 6.2 4.7 7.1

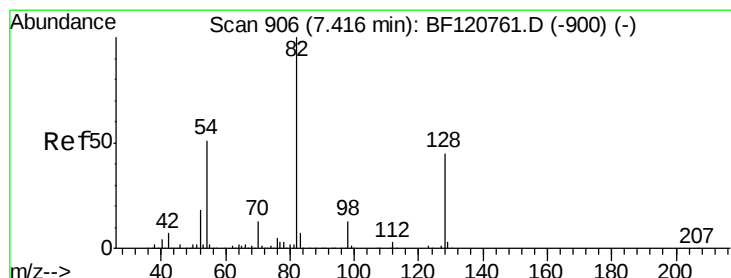
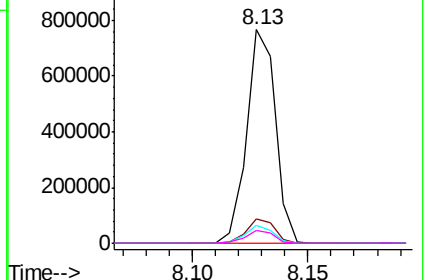
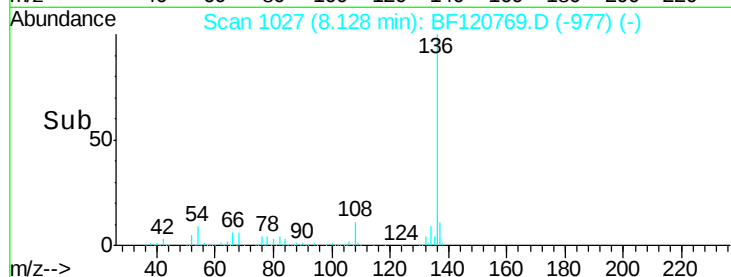


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.016 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

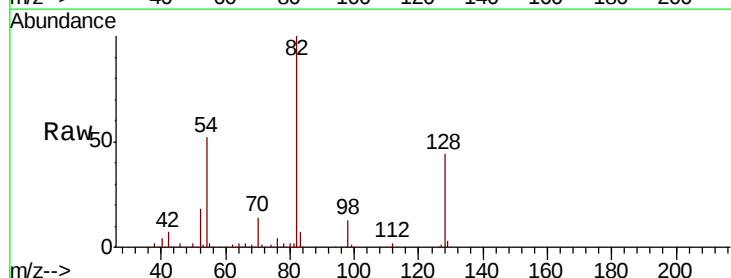
Tgt Ion: 82 Resp: 1005044

Ion Ratio Lower Upper

82 100

128 43.9 35.7 53.5

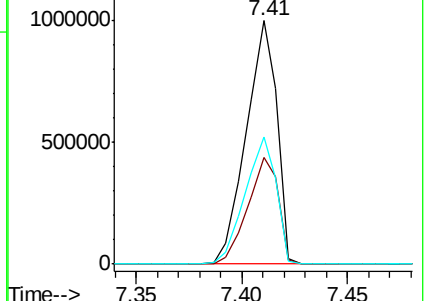
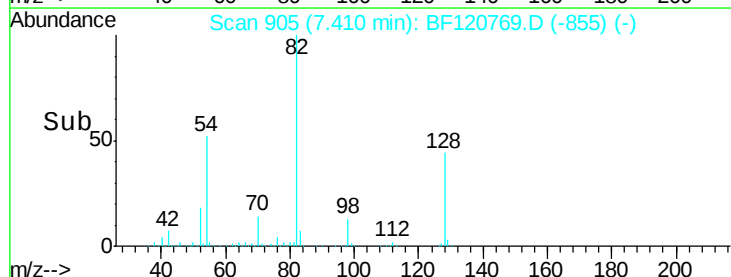
54 52.1 40.9 61.3

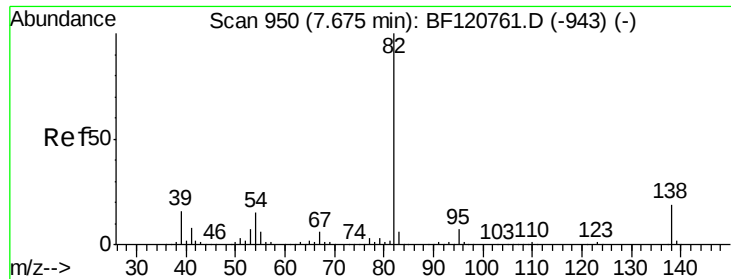


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.348 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

Instrument :

BNA_P

ClientSampled :

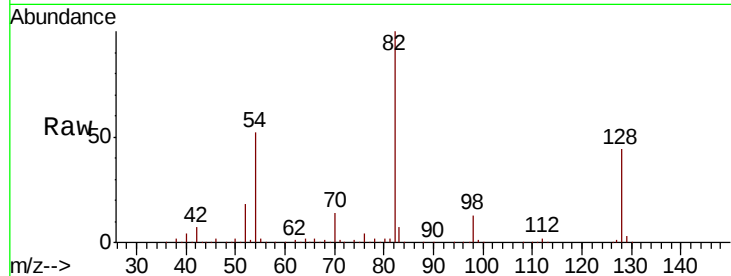
Tot Ion: 82 Resp: 1005023

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

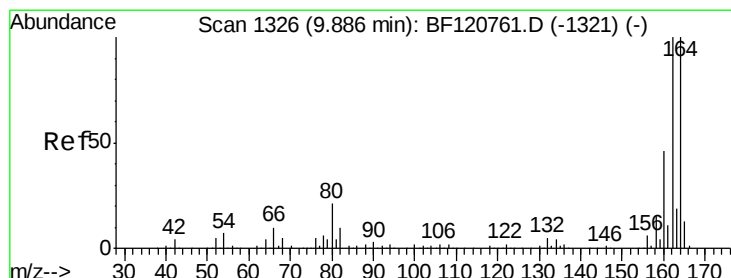
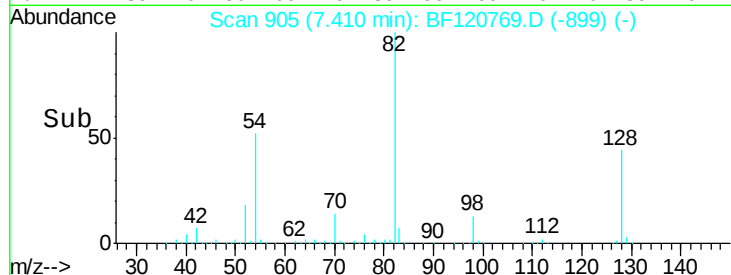
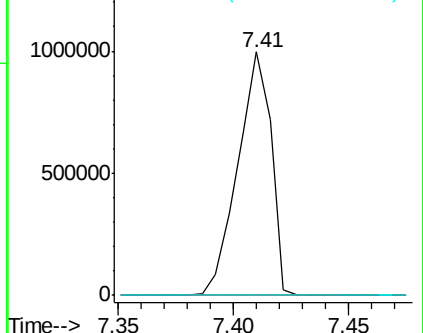
138 0.0 15.0 22.4#



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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

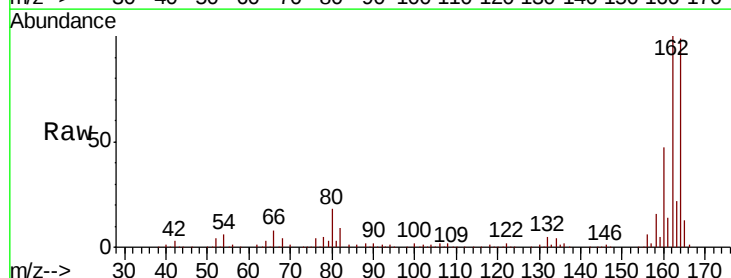
Tgt Ion: 164 Resp: 336251

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

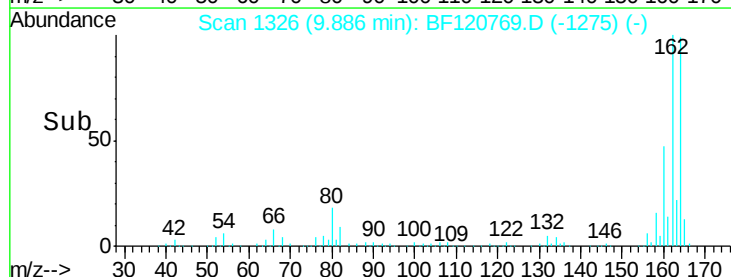
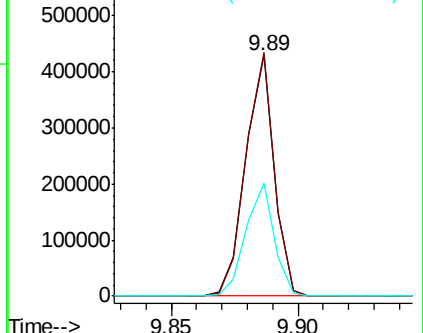
160 47.2 36.9 55.3

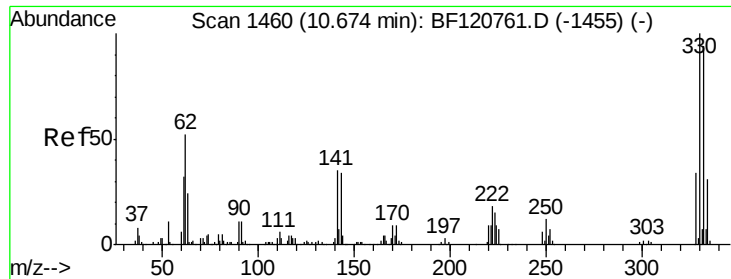


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

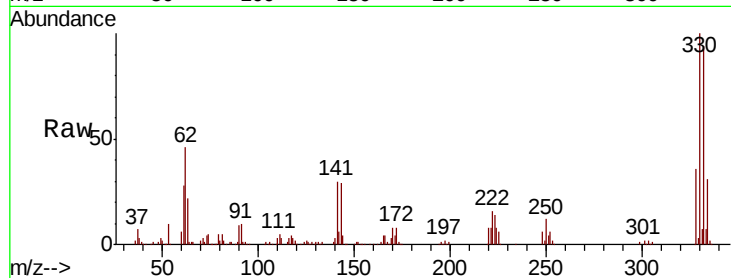




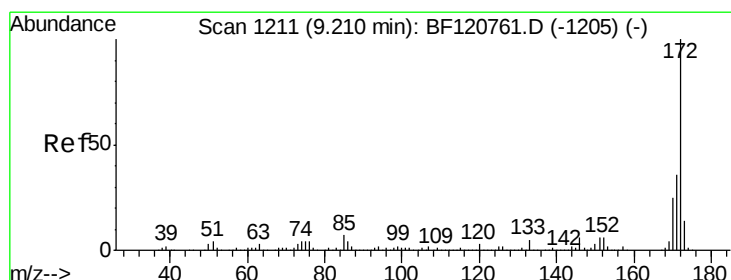
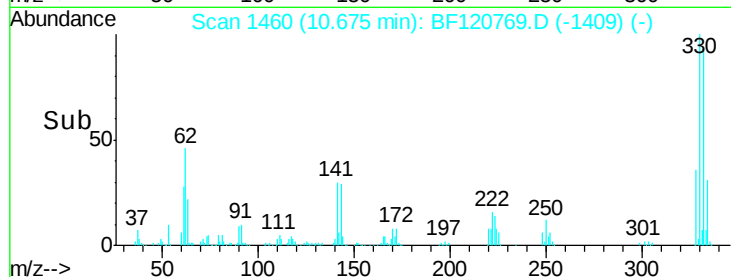
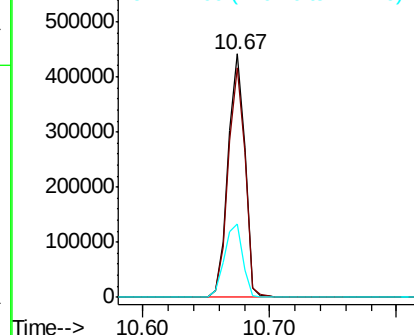
#42
 2,4,6-Tribromophenol
 Concen: 121.301 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120769.D
 Acq: 6 Jul 2020 10:37

Instrument :
 BNA_P
 ClientSampled :

Tot Ion:330 Resp: 409772
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.8 113.6
 141 33.7 29.7 44.5

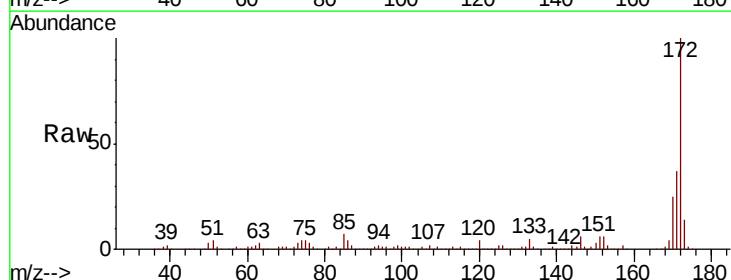


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

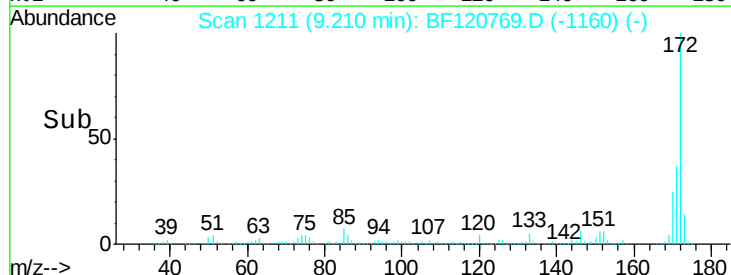
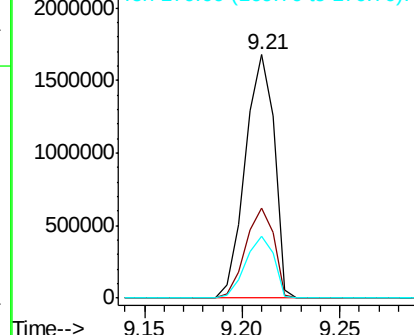


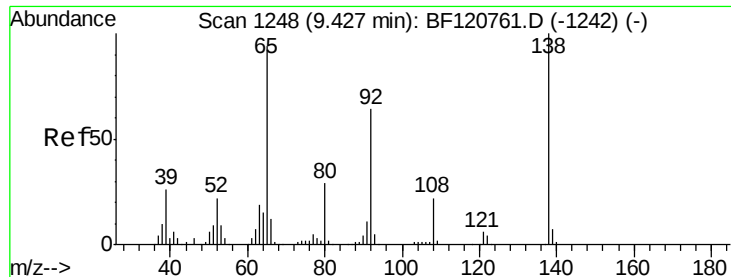
#45
 2-Fluorobiphenyl
 Concen: 77.552 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120769.D
 Acq: 6 Jul 2020 10:37

Tgt Ion:172 Resp: 1723582
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.1 43.7
 170 25.2 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

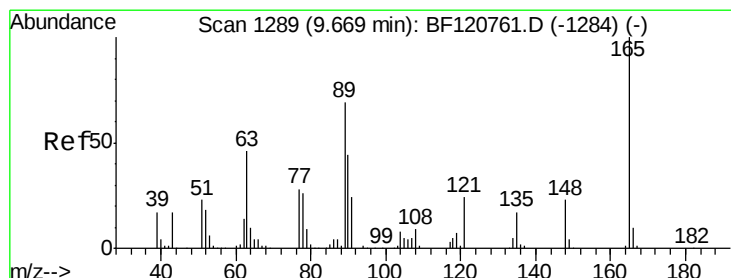
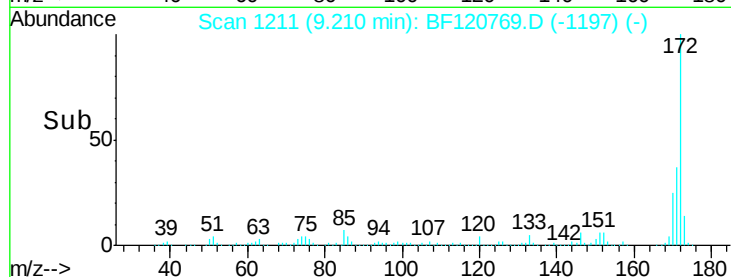
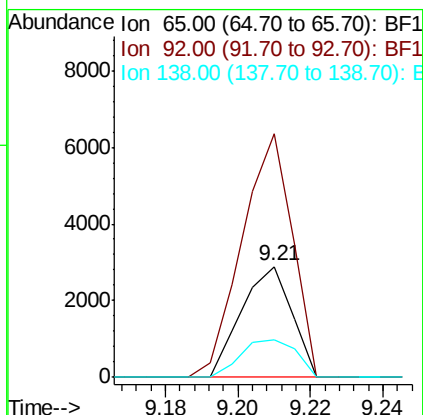
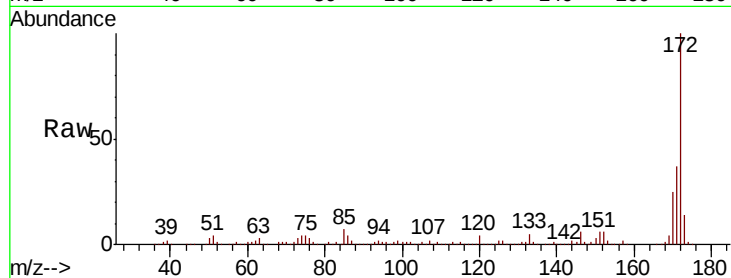




#48
2-Nitroaniline
Concen: 3.028 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.22 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

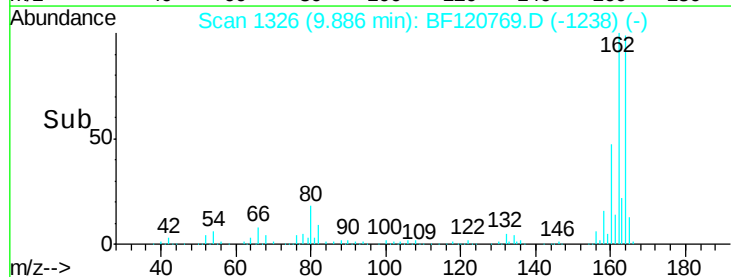
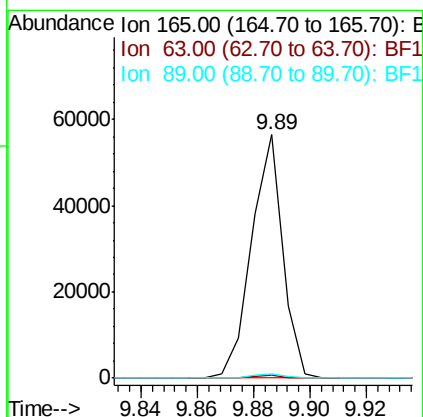
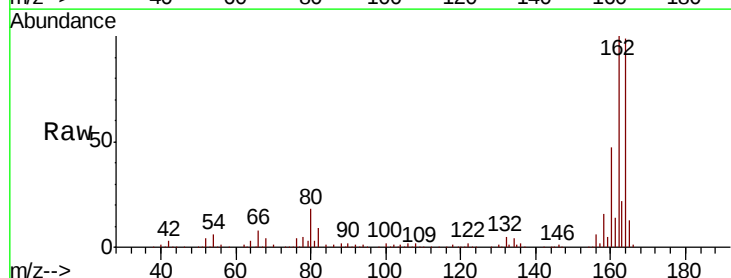
Instrument :
BNA_P
ClientSampled :

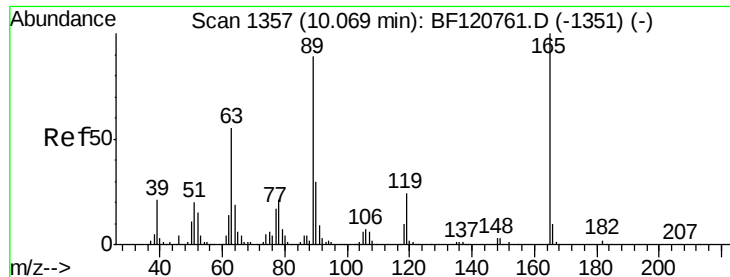
Tot Ion: 65 Resp: 2809
Ion Ratio Lower Upper
65 100
92 220.2 54.4 81.6#
138 33.6 84.7 127.1#



#51
2,6-Dinitrotoluene
Concen: 10.747 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.22 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion: 165 Resp: 43343
Ion Ratio Lower Upper
165 100
63 1.4 54.0 81.0#
89 1.6 55.4 83.2#

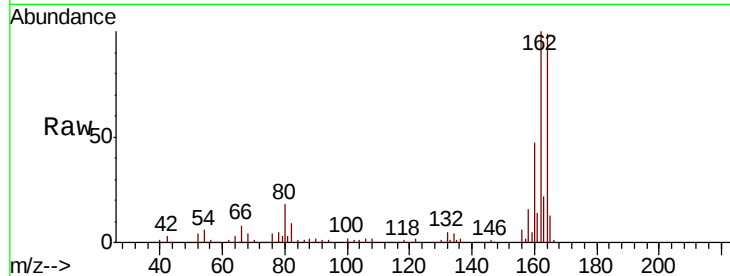




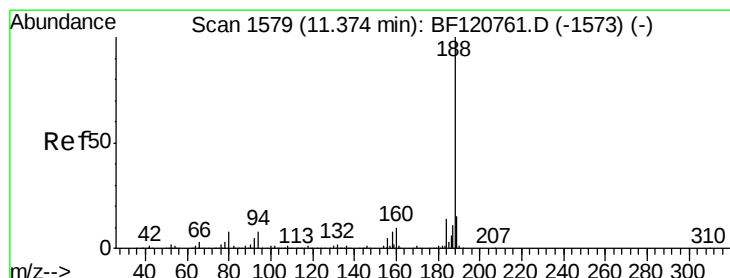
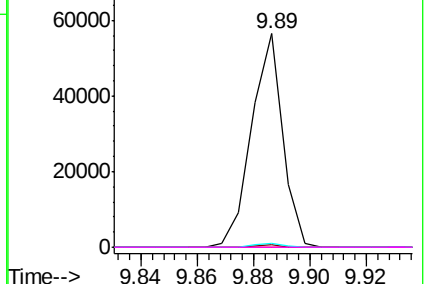
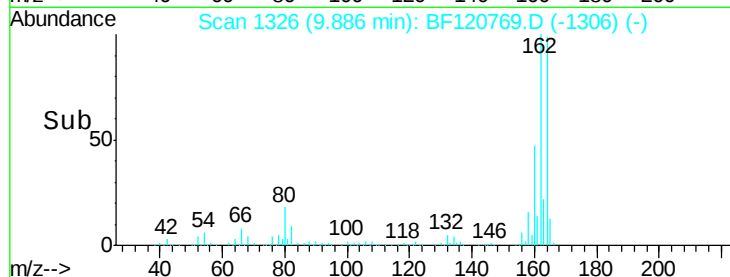
#57
 2,4-Dinitrotoluene
 Concen: 9.755 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.18 min
 Lab File: BF120769.D
 Acq: 6 Jul 2020 10:37

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:165 Resp: 43343
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.8 65.8#
 89 1.6 71.4 107.2#
 182 0.0 1.8 2.6#

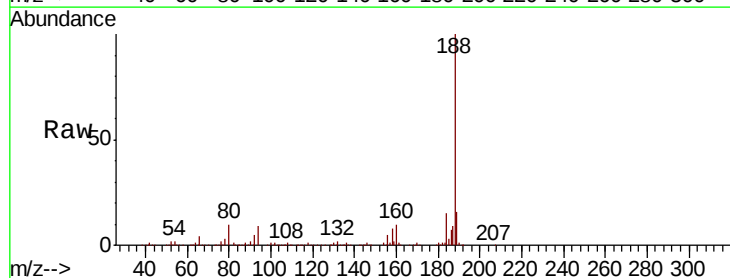


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

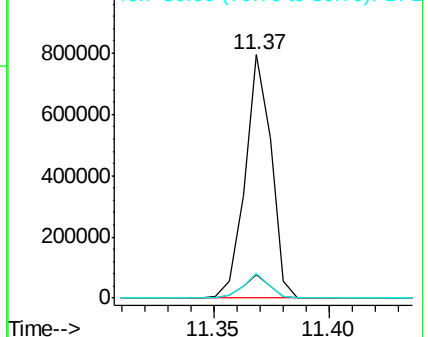
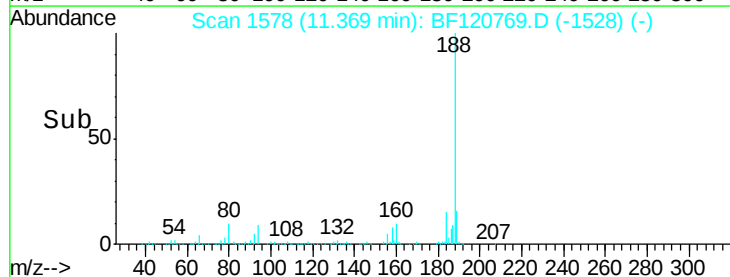


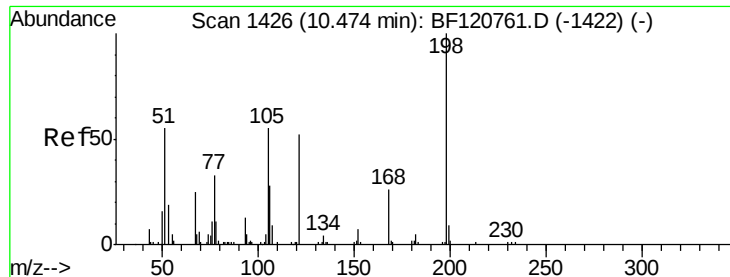
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120769.D
 Acq: 6 Jul 2020 10:37

Tgt Ion:188 Resp: 625840
 Ion Ratio Lower Upper
 188 100
 94 9.5 6.6 9.8
 80 10.2 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: 7.388 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.20 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

Instrument :

BNA_P

ClientSampled :

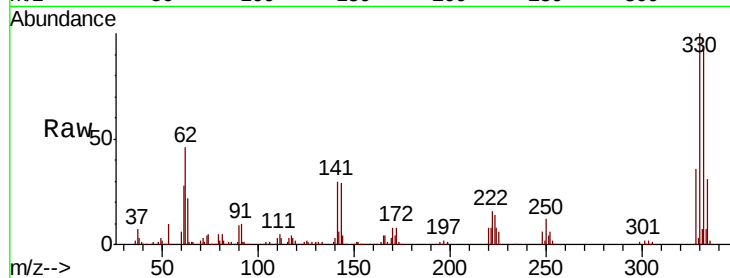
Tot Ion:198 Resp: 1172

Ion Ratio Lower Upper

198 100

51 134.1 50.0 90.0#

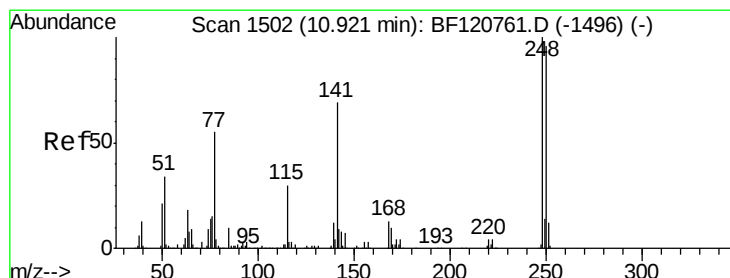
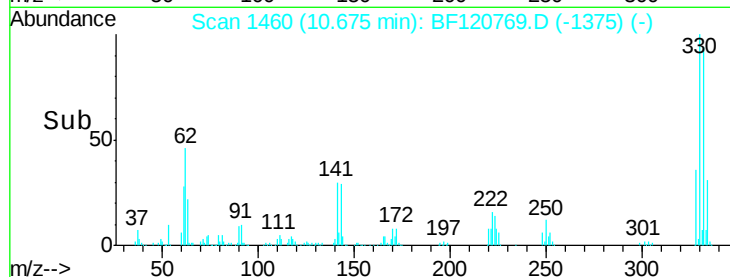
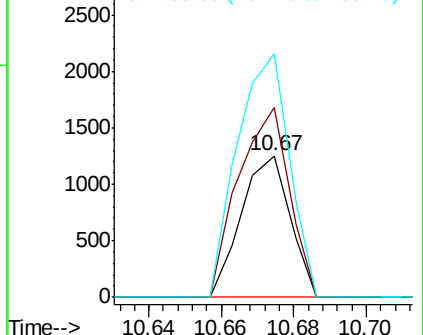
105 172.3 38.3 78.3#



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: 3.330 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

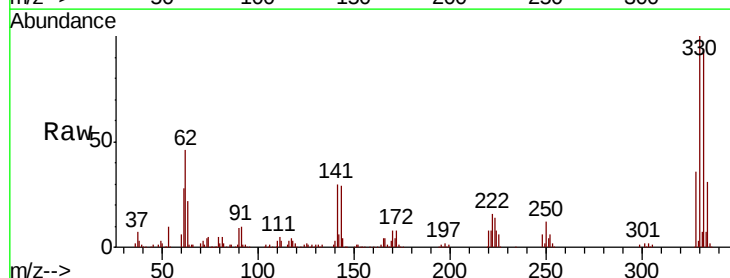
Tgt Ion:248 Resp: 24178

Ion Ratio Lower Upper

248 100

250 204.4 76.5 114.7#

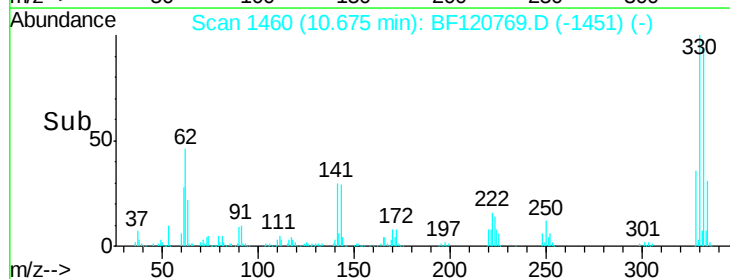
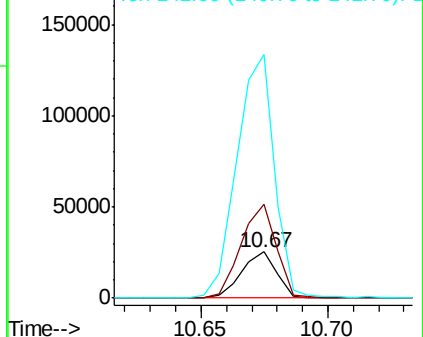
141 528.1 54.9 82.3#

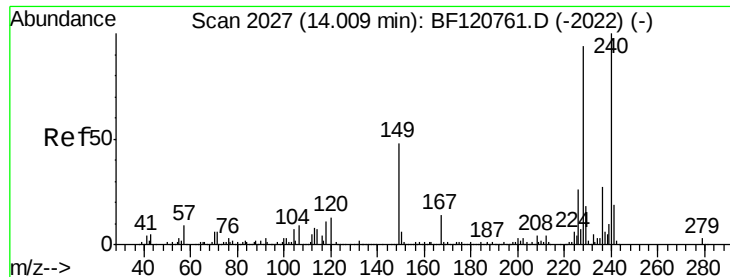


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

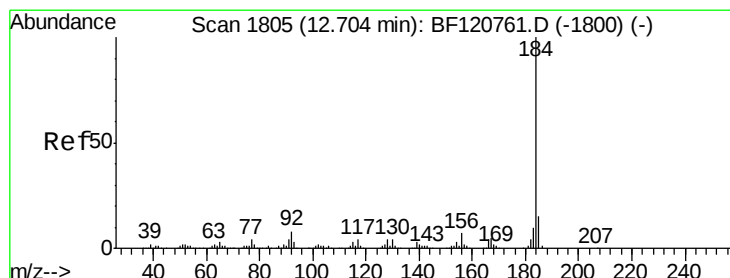
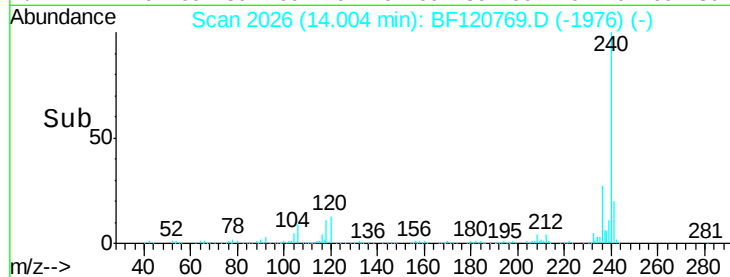
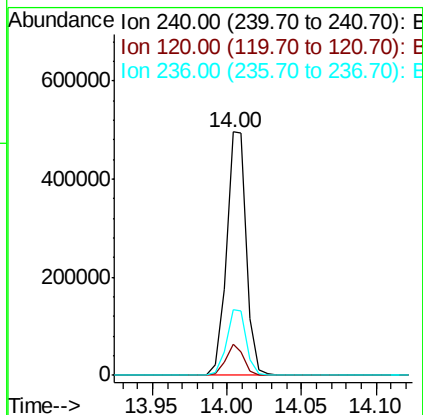




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

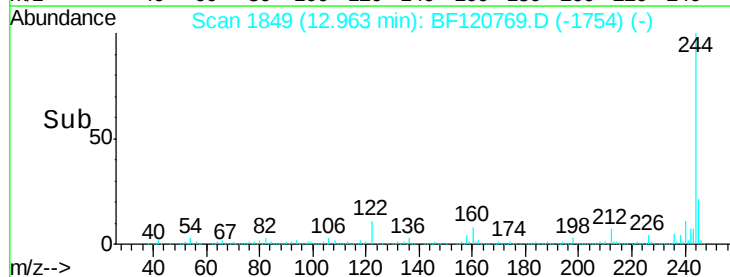
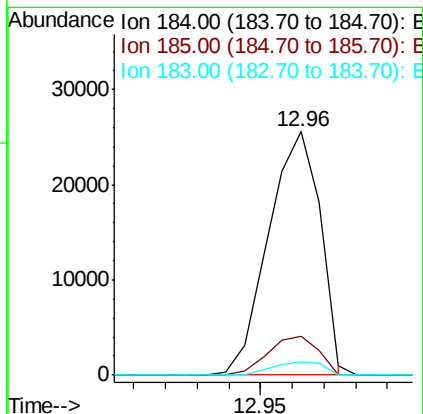
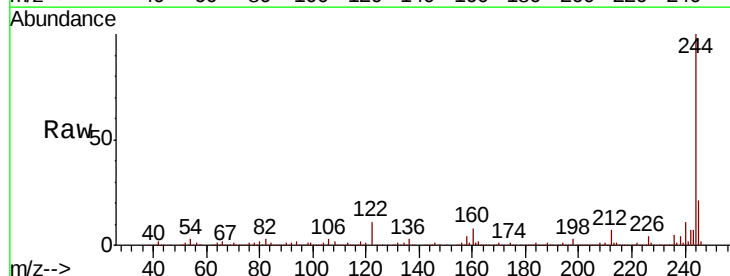
Instrument :
BNA_P
ClientSampleId :

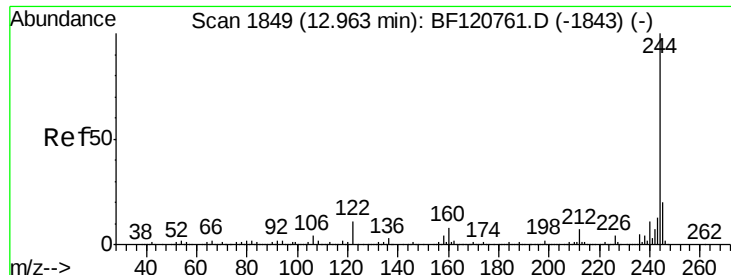
Tot Ion:240 Resp: 466387
Ion Ratio Lower Upper
240 100
120 12.8 10.3 15.5
236 26.9 21.4 32.2



#77
Benzidine
Concen: 2.212 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:184 Resp: 29120
Ion Ratio Lower Upper
184 100
185 16.1 11.8 17.8
183 5.3 8.3 12.5#





#79

Terphenyl-d14

Concen: 82.805 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

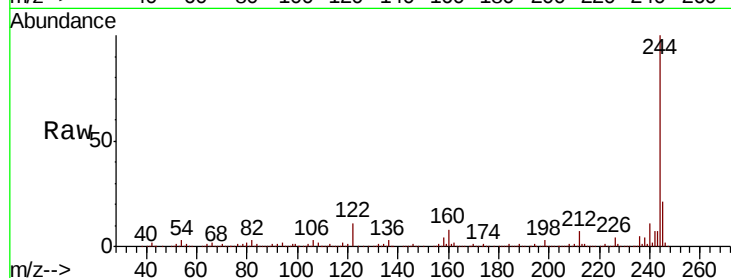
Instrument :

BNA_P

ClientSampleId :

Tot Ion:244 Resp: 1972497

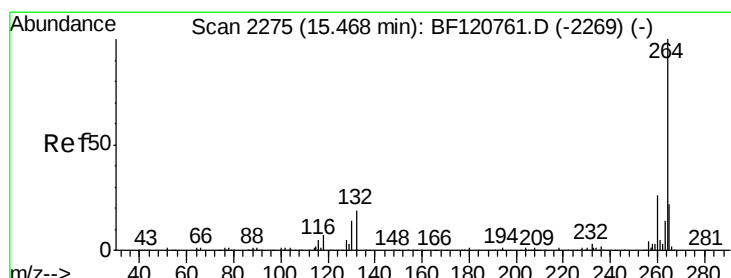
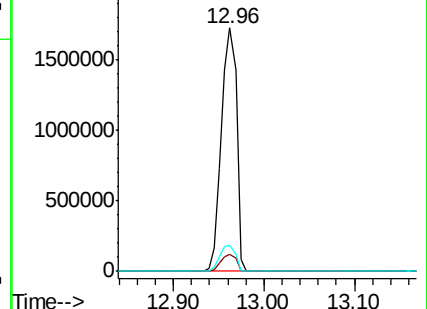
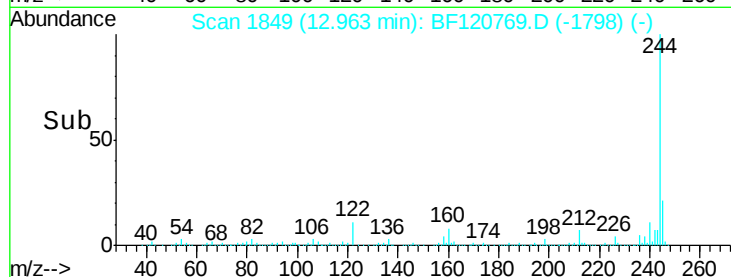
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.5	9.0	13.4



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

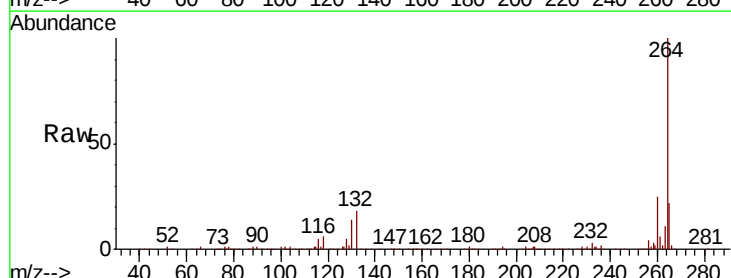
Delta R.T. 0.00 min

Lab File: BF120769.D

Acq: 6 Jul 2020 10:37

Tgt Ion:264 Resp: 431877

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.6	30.8
265	22.2	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

