

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\
 Data File : BF120768.D
 Acq On : 6 Jul 2020 9:59
 Operator : JU/CG
 Sample : PB129807BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 06 11:08:49 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

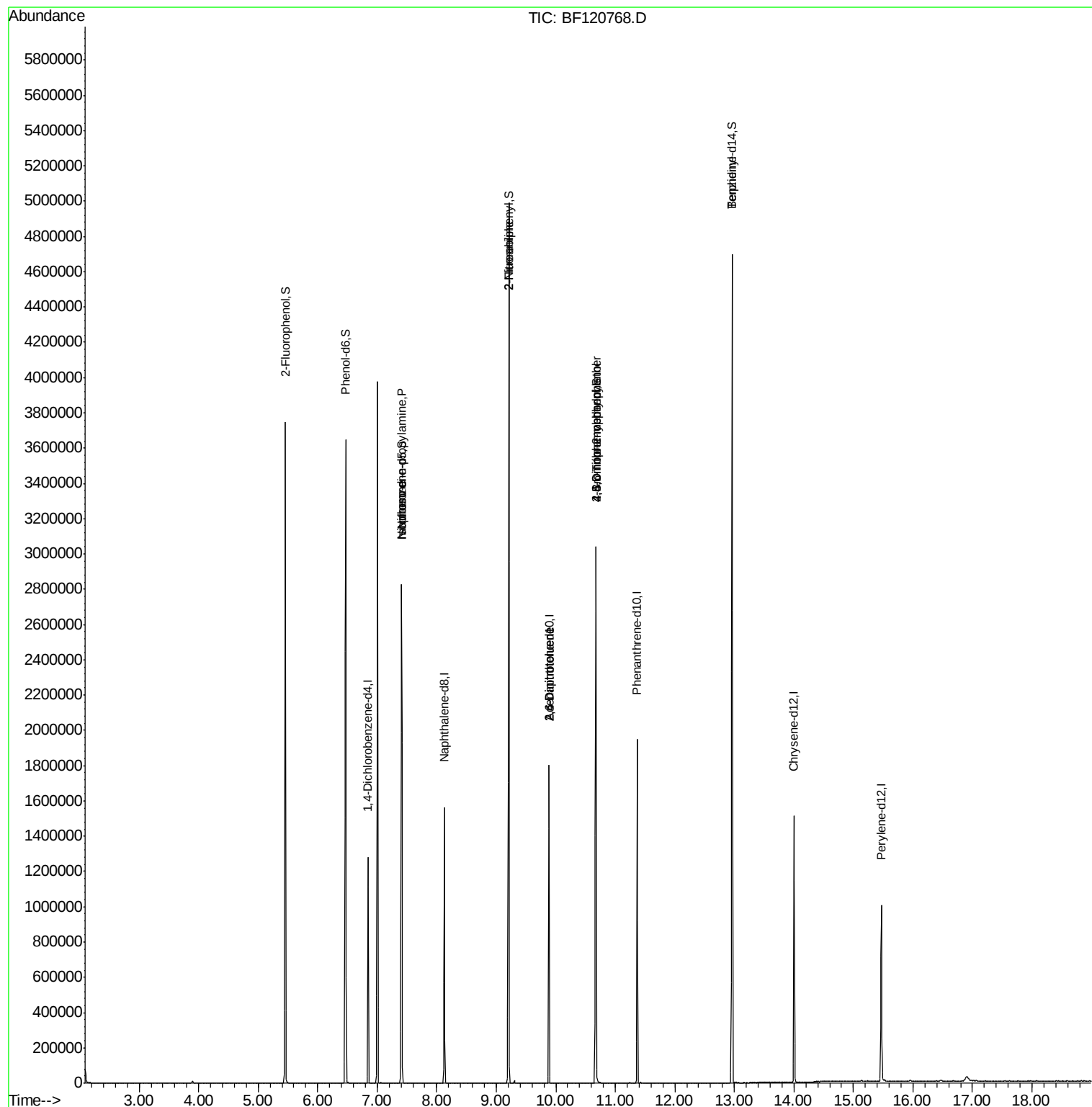
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	175656	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	662335	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	330185	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	611553	20.00	ng	0.00
76) Chrysene-d12	14.00	240	470345	20.00	ng	0.00
86) Perylene-d12	15.47	264	415645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1245722	109.47	ng	0.00
7) Phenol-d6	6.47	99	1538351	105.86	ng	0.00
23) Nitrobenzene-d5	7.41	82	959349	83.92	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	386276	116.45	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1678443	76.91	ng	0.00
79) Terphenyl-d14	12.96	244	1907301	79.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	130172	14.877	ng	# 79
25) Isophorone	7.41	82	959328	38.912	ng	# 64
48) 2-Nitroaniline	9.21	65	2671	3.015	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	43356	10.905	ng	# 17
57) 2,4-Dinitrotoluene	9.89	165	43356	9.880	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	941	7.320	ng	# 4
67) 4-Bromophenyl-phenylether	10.67	248	22850	3.221	ng	# 1
77) Benzidine	12.96	184	27743	2.090	ng	# 94

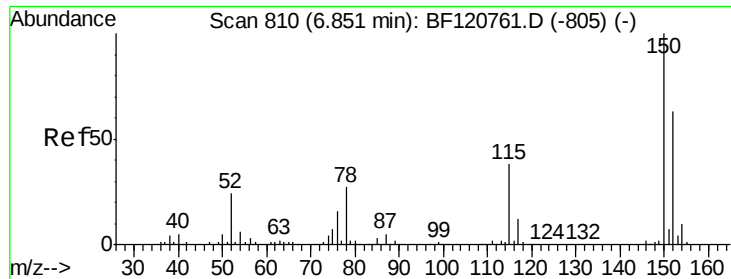
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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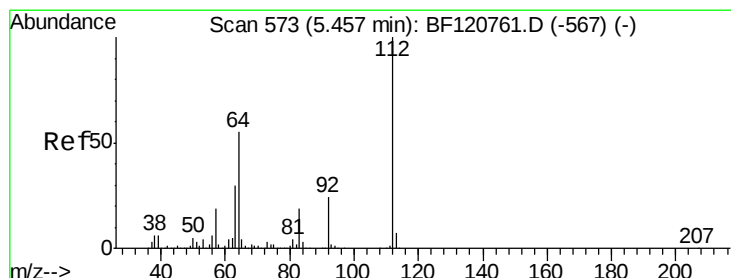
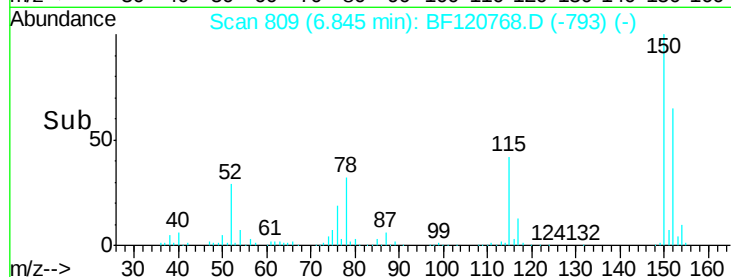
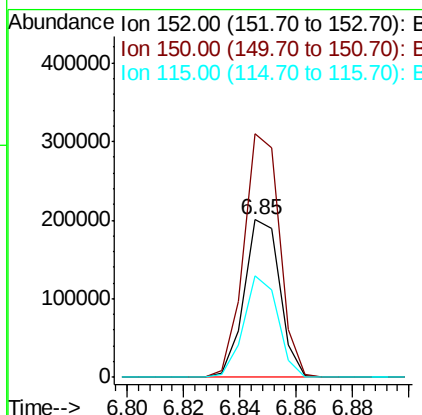
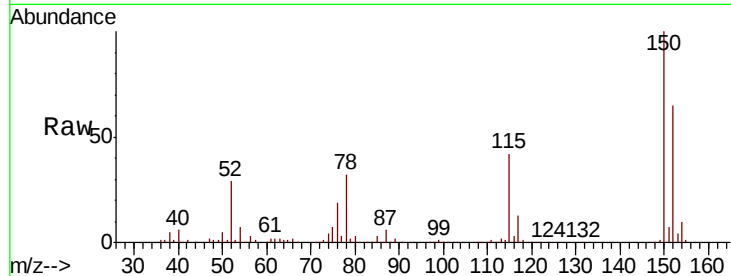


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Instrument :
BNA_P
ClientSampleId :

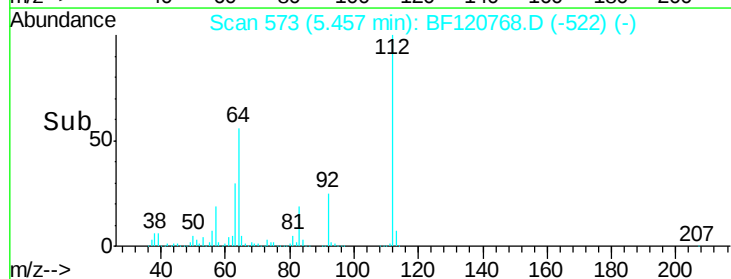
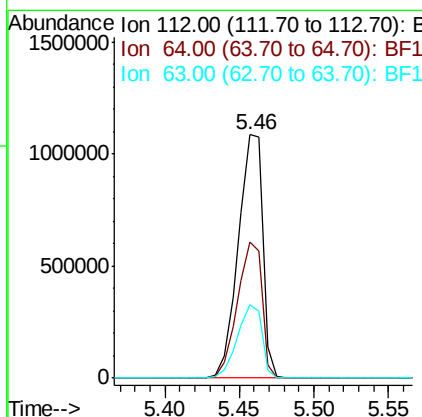
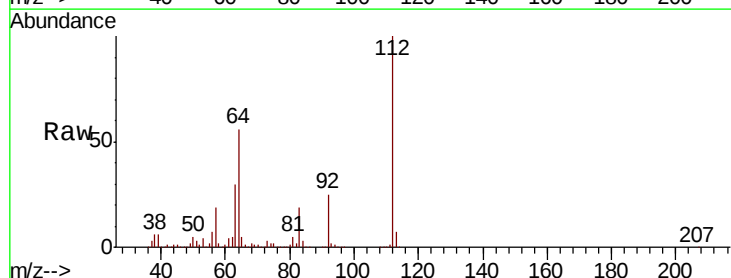
Tot Ion:152 Resp: 175656
Ion Ratio Lower Upper
152 100
150 154.4 126.1 189.1
115 64.7 48.5 72.7

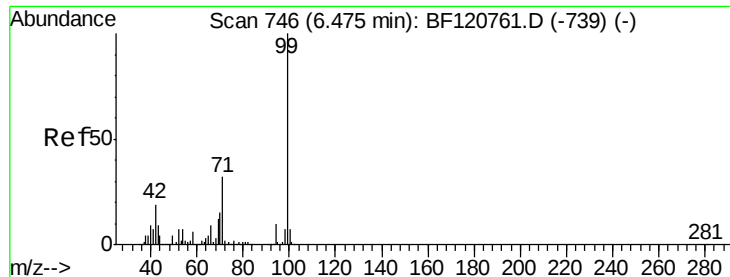


#5

2-Fluorophenol
Concen: 109.473 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Tgt Ion:112 Resp: 1245722
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.6
63 30.4 23.6 35.4





#7

Phenol-d6

Concen: 105.861 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120768.D

Acq: 6 Jul 2020 9:59

Instrument :

BNA_P

ClientSampleId :

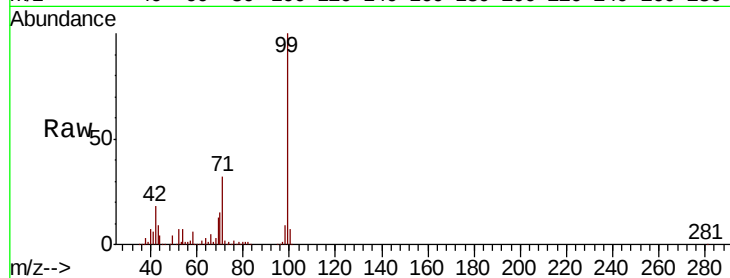
Tot Ion: 99 Resp: 1538351

Ion Ratio Lower Upper

99 100

42 18.1 15.4 23.0

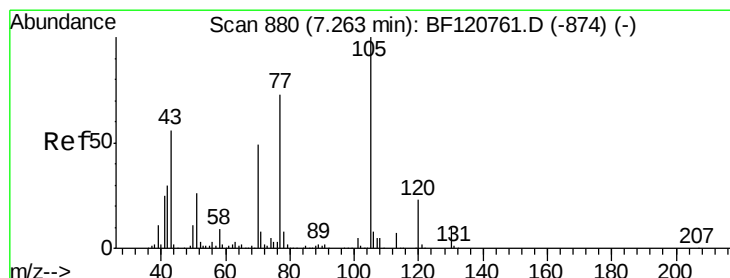
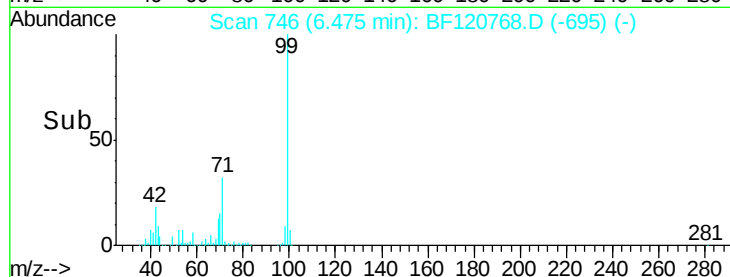
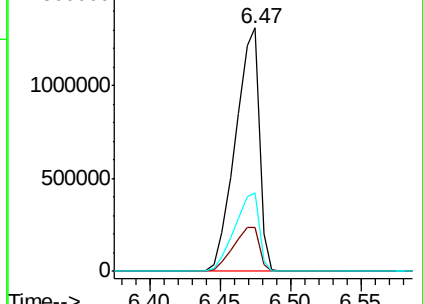
71 32.0 25.9 38.9



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: 14.877 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120768.D

Acq: 6 Jul 2020 9:59

Tgt Ion: 70 Resp: 130172

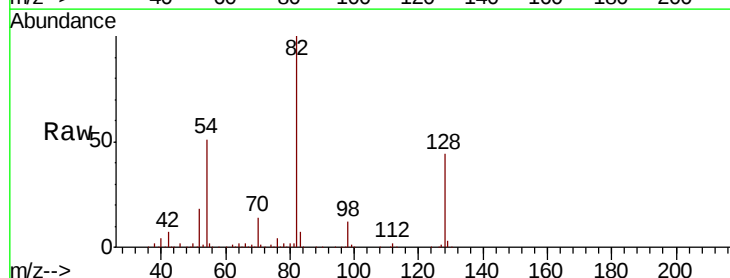
Ion Ratio Lower Upper

70 100

42 51.8 50.3 75.5

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

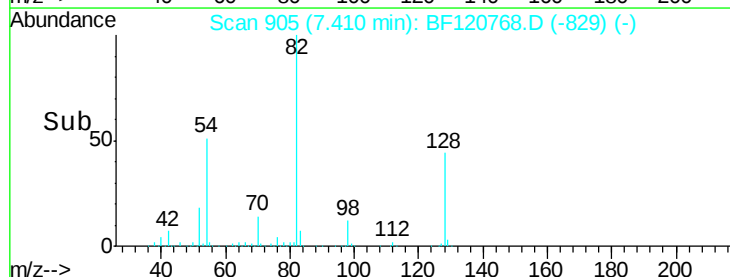
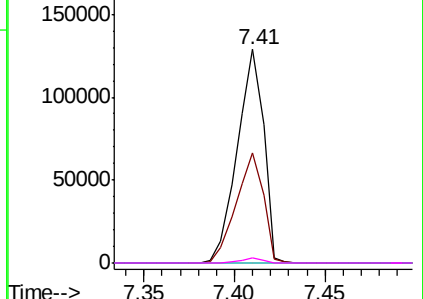


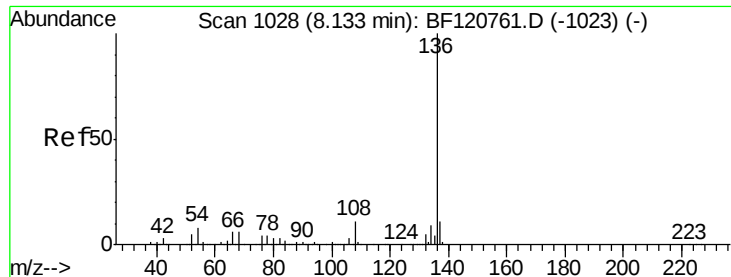
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

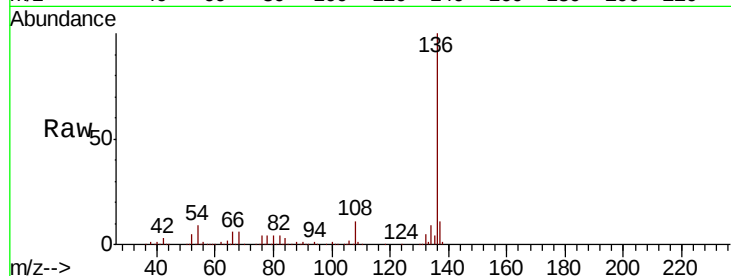




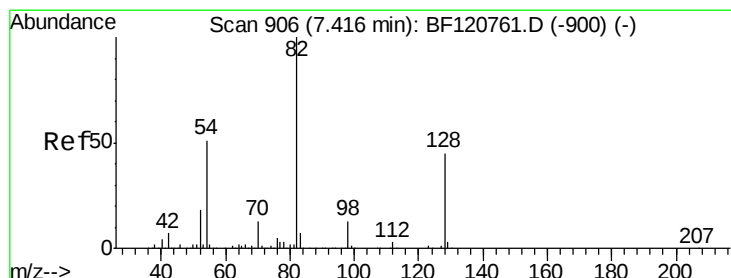
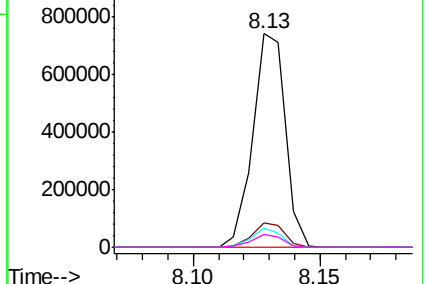
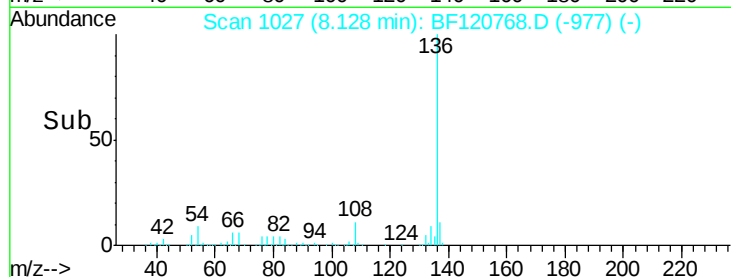
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Instrument :
BNA_P
ClientSampled :

Tot Ion:136	Resp:	662335
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.6
54	8.8	6.2 9.4
68	6.2	4.7 7.1

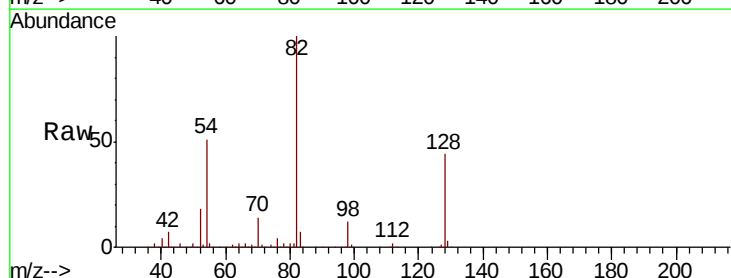


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

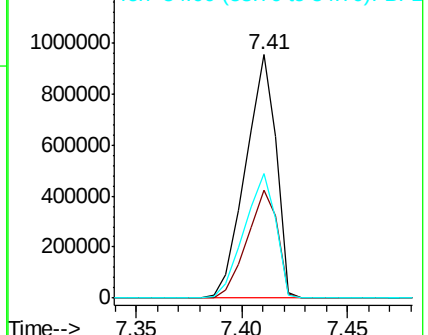
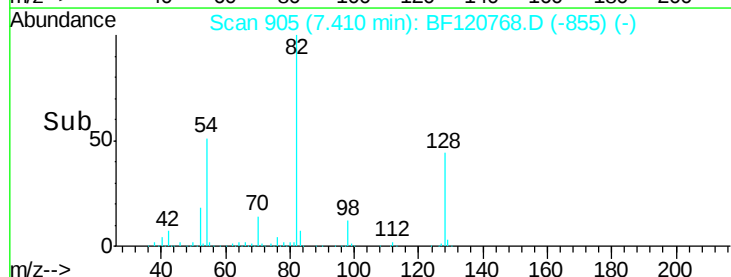


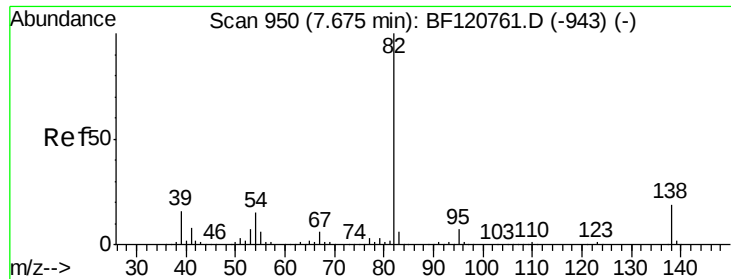
#23
Nitrobenzene-d5
Concen: 83.919 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Tgt Ion: 82	Resp:	959349
Ion Ratio	Lower	Upper
82	100	
128	44.1	35.7 53.5
54	51.4	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: 38.912 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120768.D

Acq: 6 Jul 2020 9:59

Instrument :

BNA_P

ClientSampleId :

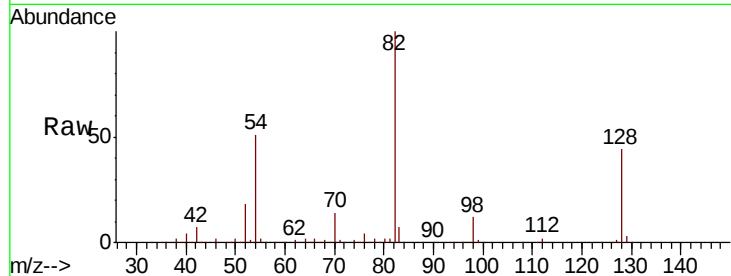
Tot Ion: 82 Resp: 959328

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

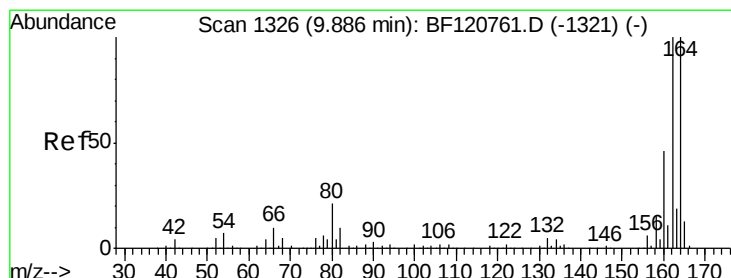
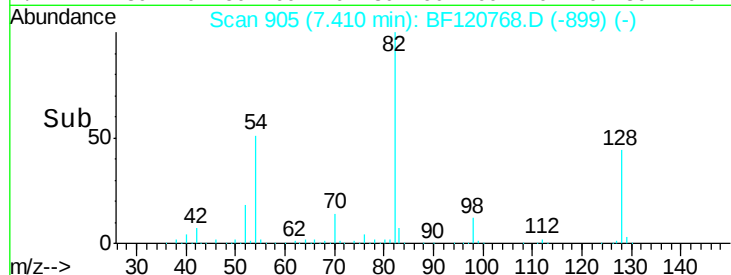
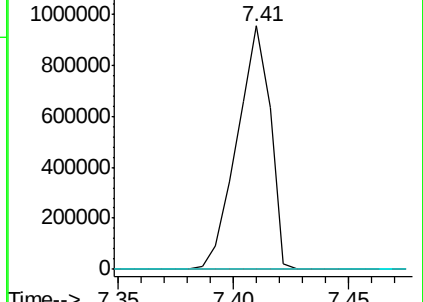
138 0.0 15.0 22.4#



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: BF120768.D

Acq: 6 Jul 2020 9:59

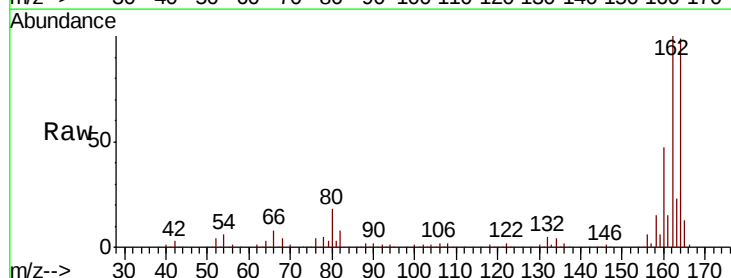
Tgt Ion: 164 Resp: 330185

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.2

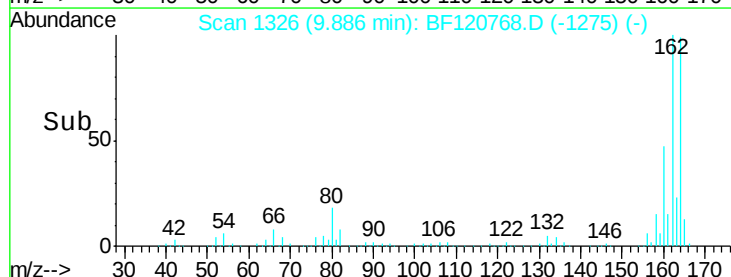
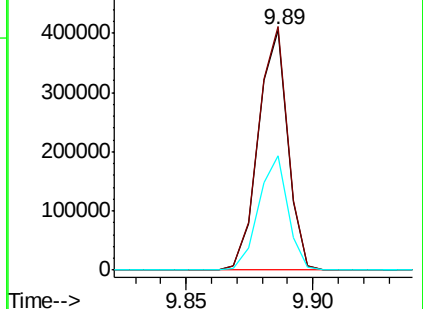
160 47.4 36.9 55.3

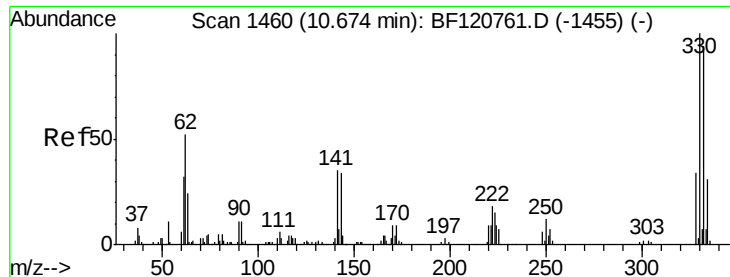


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

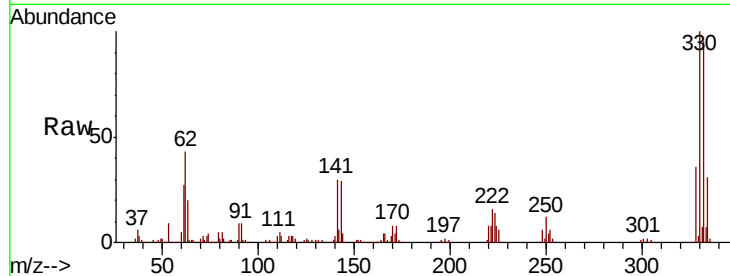




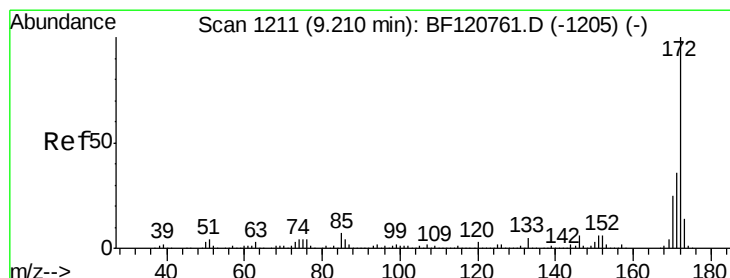
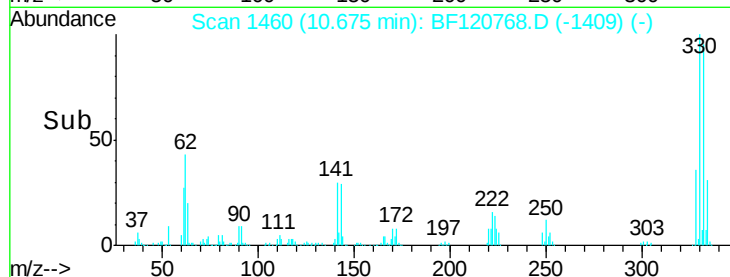
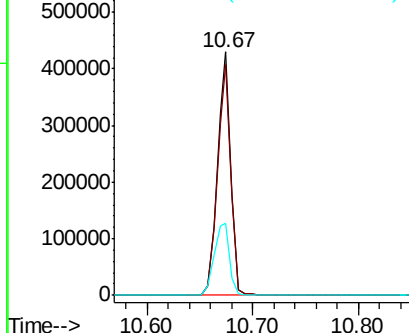
#42
 2,4,6-Tribromophenol
 Concen: 116.447 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120768.D
 Acq: 6 Jul 2020 9:59

Instrument :
 BNA_P
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.8	113.6
141	34.5	29.7	44.5

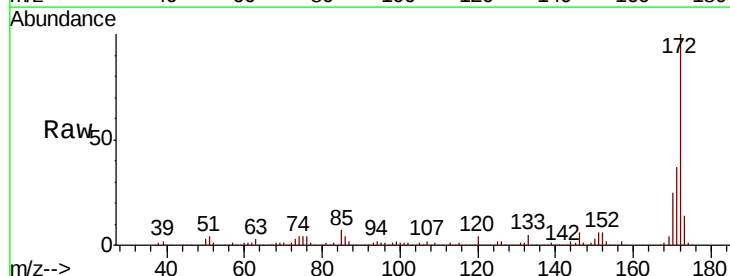


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

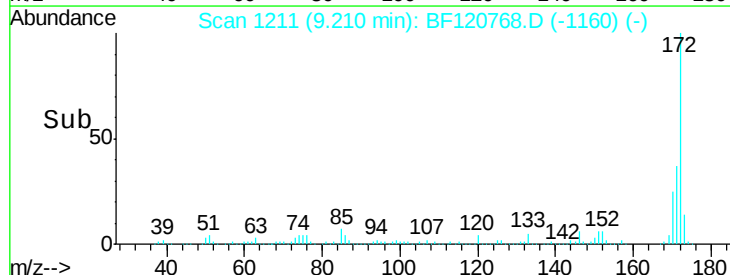
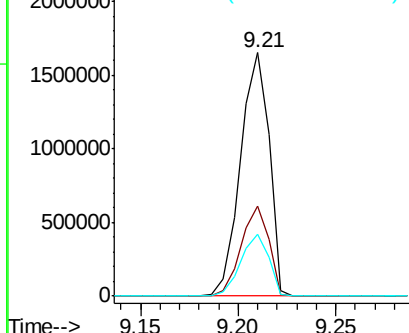


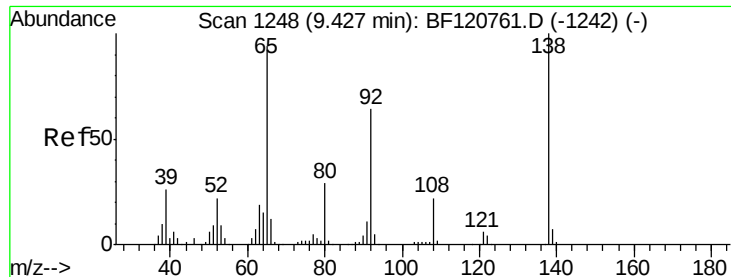
#45
 2-Fluorobiphenyl
 Concen: 76.908 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120768.D
 Acq: 6 Jul 2020 9:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	25.5	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

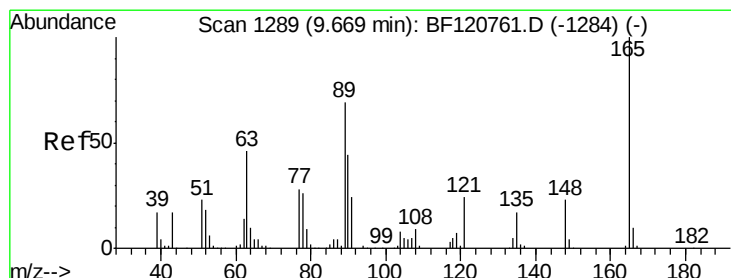
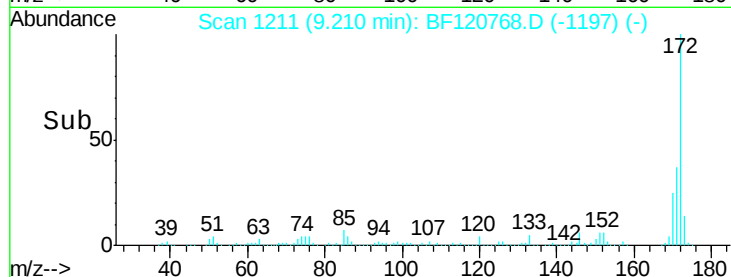
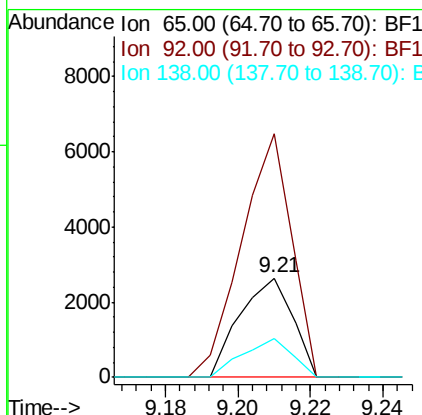
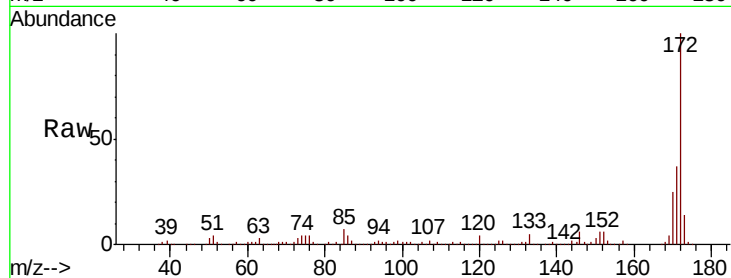




#48
2-Nitroaniline
Concen: 3.015 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.22 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

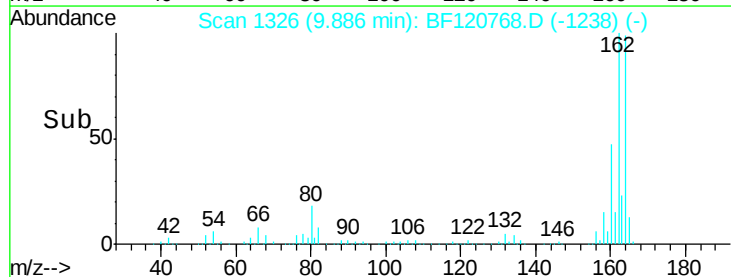
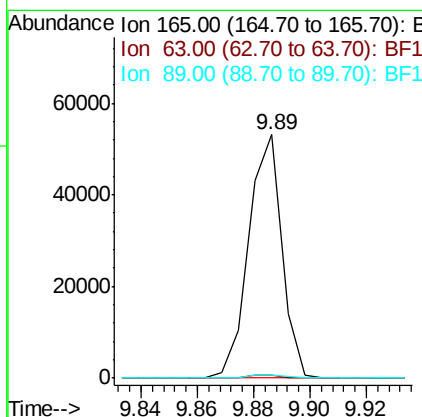
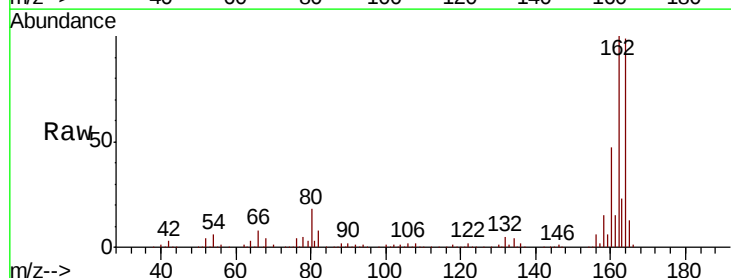
Instrument :
BNA_P
ClientSampled :

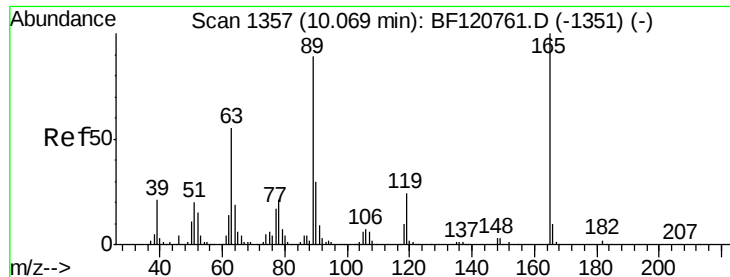
Tot Ion	65	92	138
Resp:	2671		
Ion Ratio	100	245.5	39.3
Lower		54.4	84.7
Upper		81.6#	127.1#



#51
2,6-Dinitrotoluene
Concen: 10.905 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.22 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Tgt Ion	165	63	89
Resp:	43356		
Ion Ratio	100	1.0	1.4
Lower		54.0	55.4
Upper		81.0#	83.2#

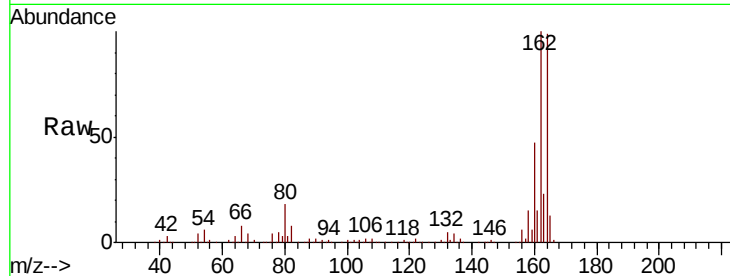




#57
 2,4-Dinitrotoluene
 Concen: 9.880 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.18 min
 Lab File: BF120768.D
 Acq: 6 Jul 2020 9:59

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	43.8	65.8#
89	1.4	71.4	107.2#
182	0.0	1.8	2.6#



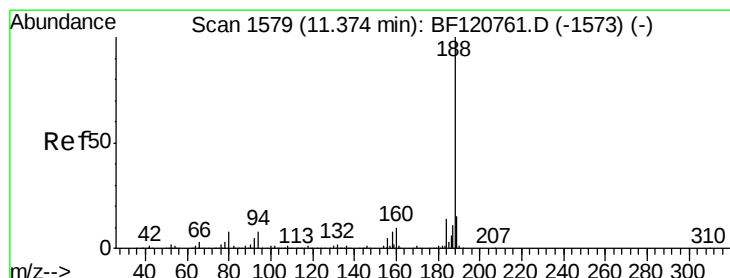
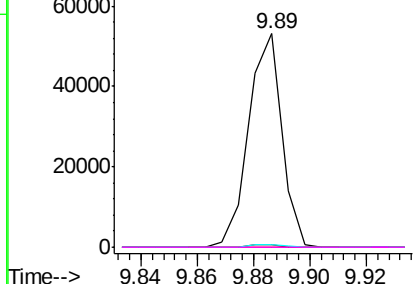
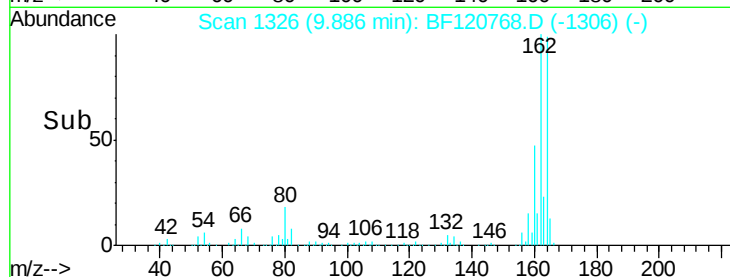
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

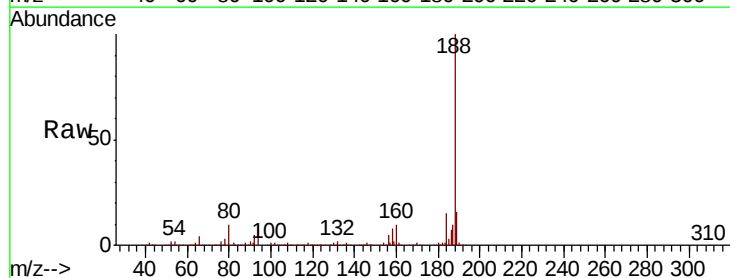
Ion 89.00 (88.70 to 89.70): BF1

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: BF120768.D
 Acq: 6 Jul 2020 9:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	9.8
80	9.8	6.6	10.0

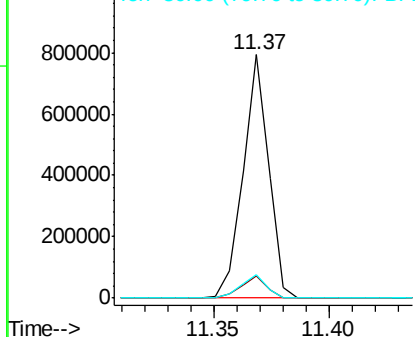
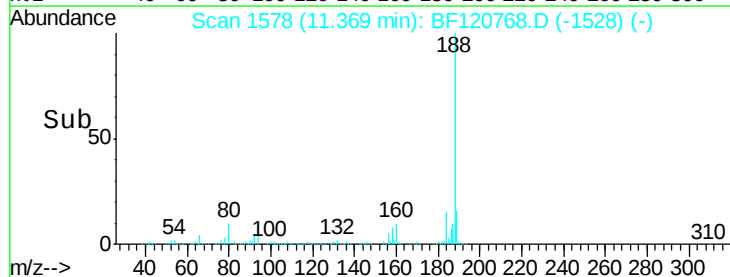


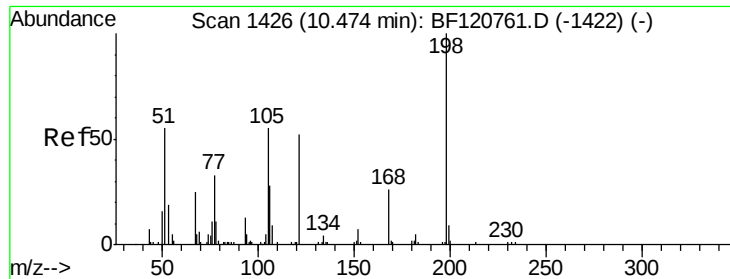
Abundance

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

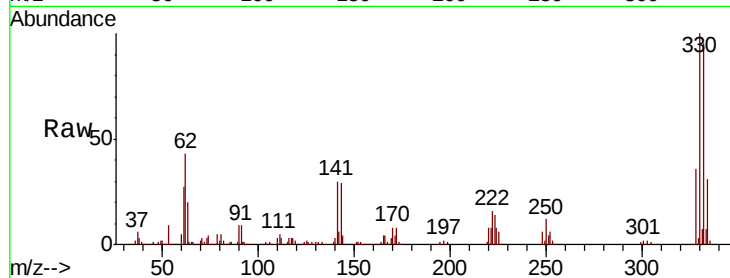




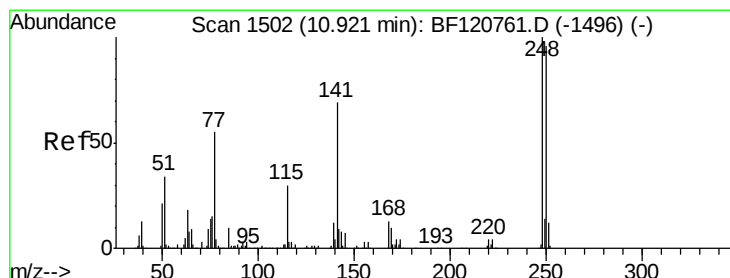
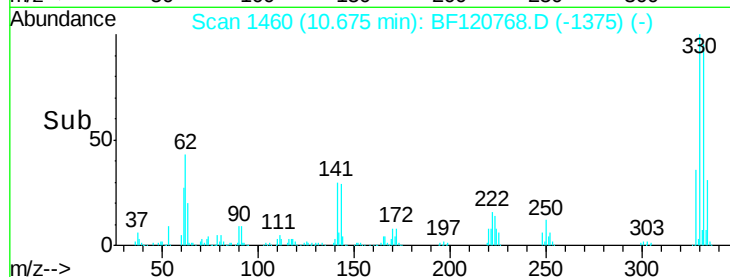
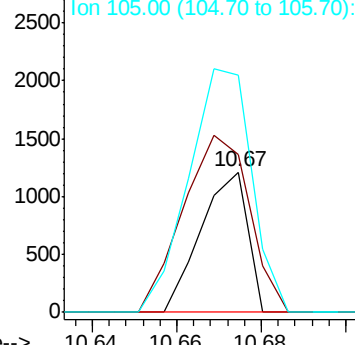
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.320 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.20 min
 Lab File: BF120768.D
 Acq: 6 Jul 2020 9:59

Instrument :
 BNA_P
 ClientSampled :

Tot Ion:198 Resp: 941
 Ion Ratio Lower Upper
 198 100
 51 112.5 50.0 90.0#
 105 168.7 38.3 78.3#

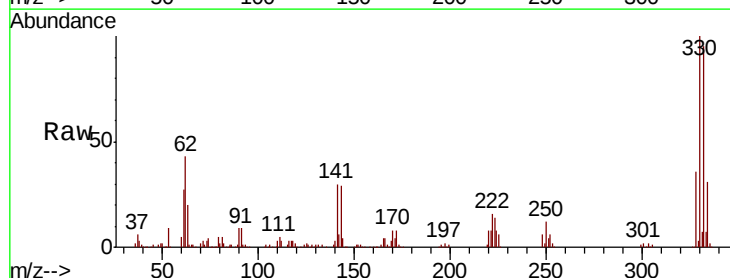


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

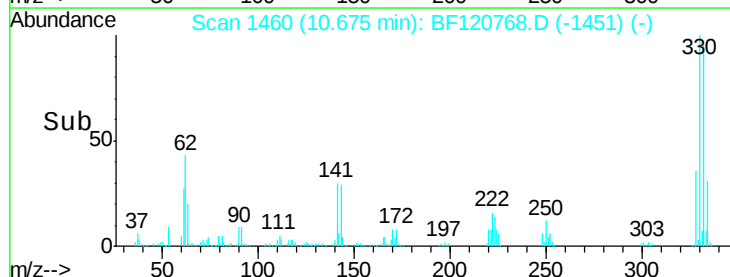
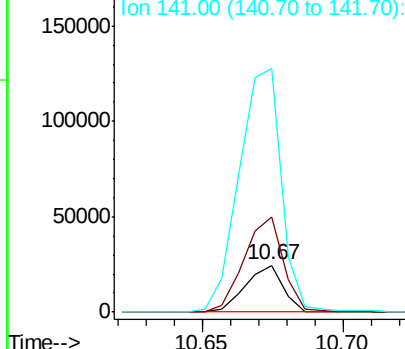


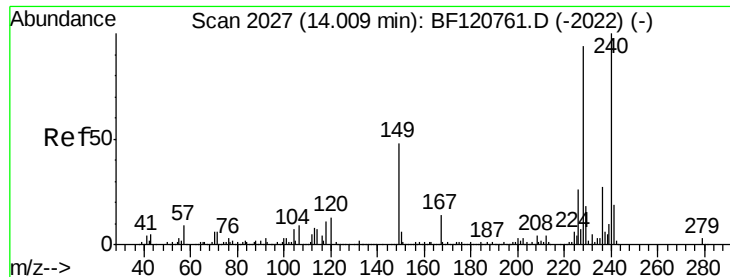
#67
 4-Bromophenyl-phenylether
 Concen: 3.221 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.25 min
 Lab File: BF120768.D
 Acq: 6 Jul 2020 9:59

Tgt Ion:248 Resp: 22850
 Ion Ratio Lower Upper
 248 100
 250 201.5 76.5 114.7#
 141 516.6 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





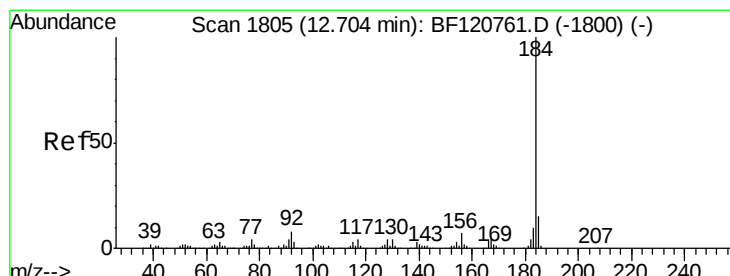
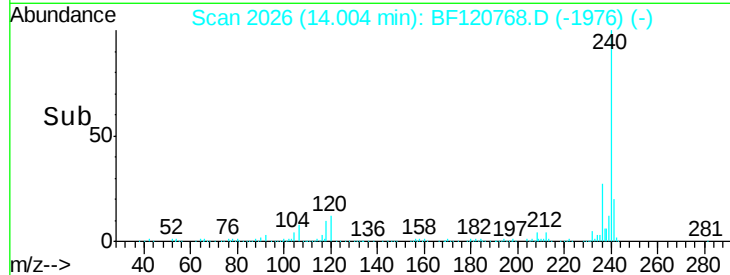
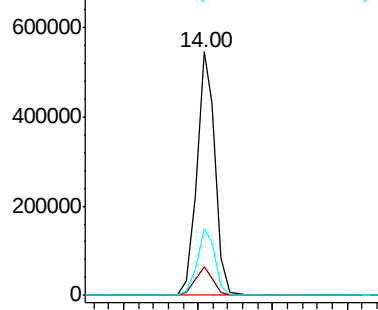
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 470345
Ion Ratio Lower Upper
240 100
120 11.8 10.3 15.5
236 27.3 21.4 32.2

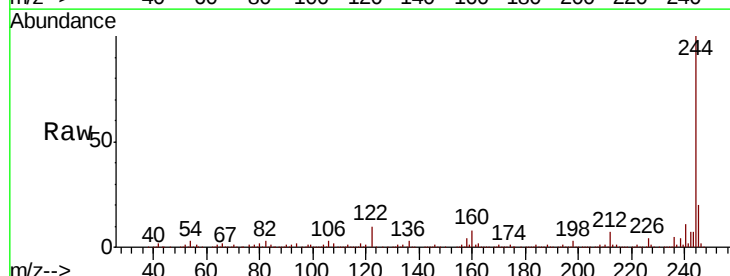


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

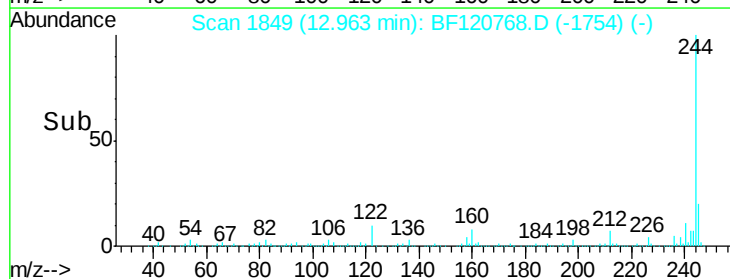
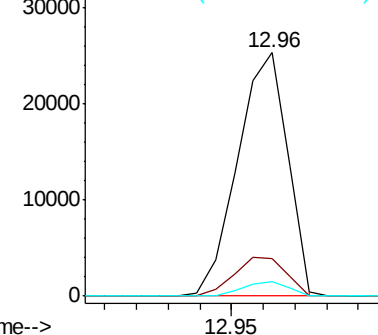


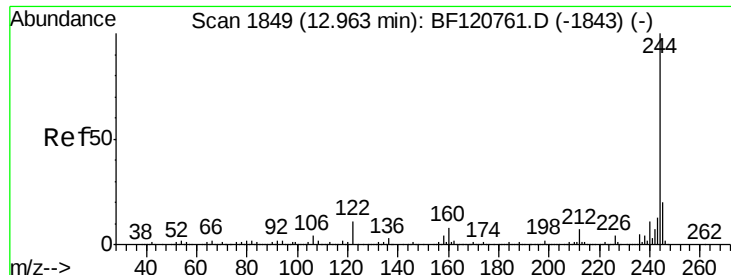
#77
Benzidine
Concen: 2.090 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120768.D
Acq: 6 Jul 2020 9:59

Tgt Ion:184 Resp: 27743
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 5.7 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: 79.394 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120768.D

Acq: 6 Jul 2020 9:59

Instrument :

BNA_P

ClientSampleId :

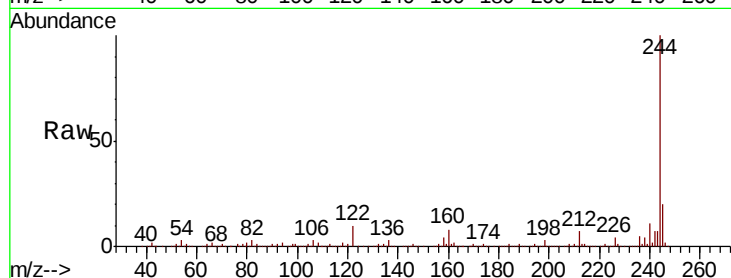
Tot Ion:244 Resp: 1907301

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

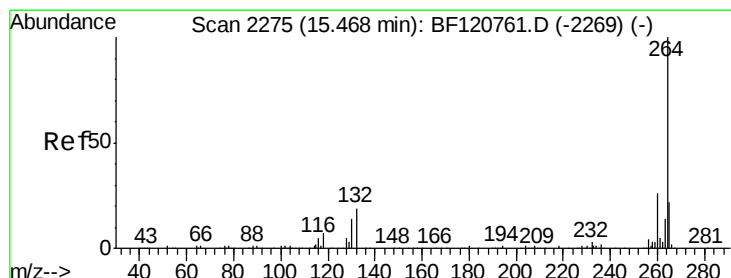
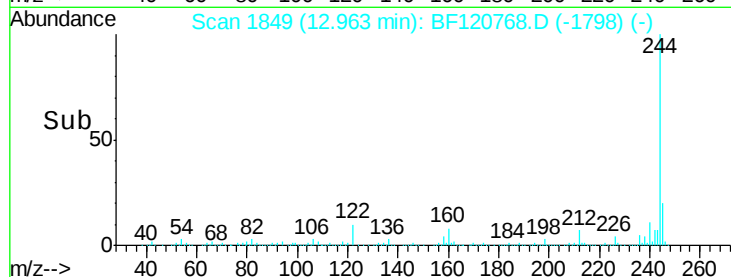
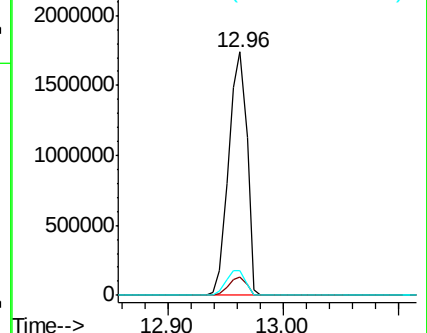
122 10.4 9.0 13.4



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: BF120768.D

Acq: 6 Jul 2020 9:59

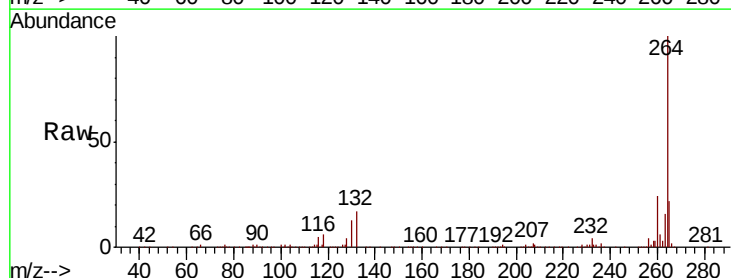
Tgt Ion:264 Resp: 415645

Ion Ratio Lower Upper

264 100

260 24.4 20.6 30.8

265 21.7 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

