

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110054.D
 Acq On : 22 Oct 2018 17:38
 Operator : JU/SJ
 Sample : J5601-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:10:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

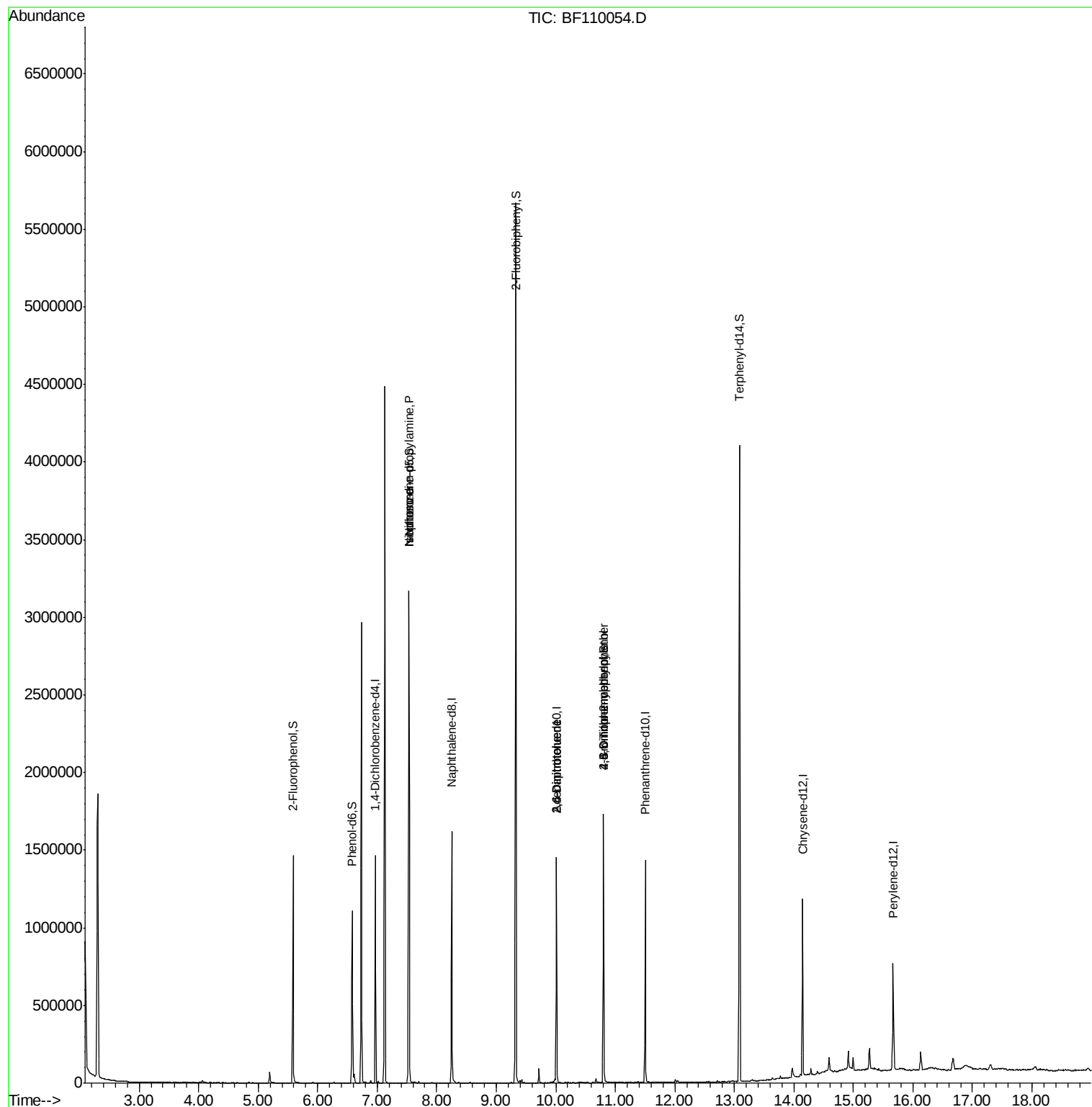
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	187380	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	705708	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	293402	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	483298	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	354891	20.00	ng	-0.02
87) Perylene-d12	15.67	264	254577	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	400849	33.91	ng	-0.01
7) Phenol-d6	6.58	99	310949	21.18	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1040612	99.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	206847	81.43	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1773895	96.47	ng	-0.01
79) Terphenyl-d14	13.09	244	1361988	80.59	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	139120	14.761	ng	# 81
25) Isophorone	7.53	82	1040593	50.553	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	36027	9.130	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	36027	11.121	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	370	8.081	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	13311	2.541	ng	# 1

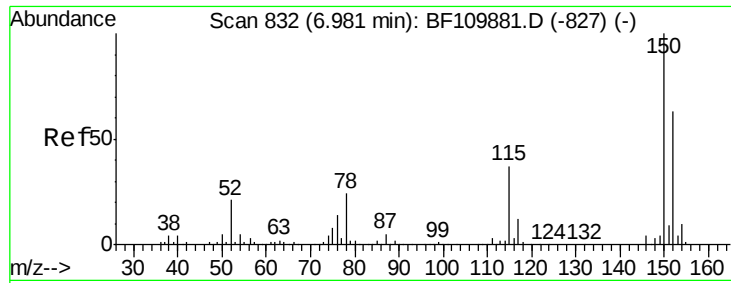
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



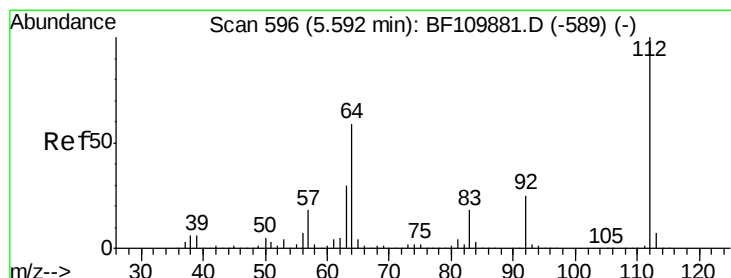
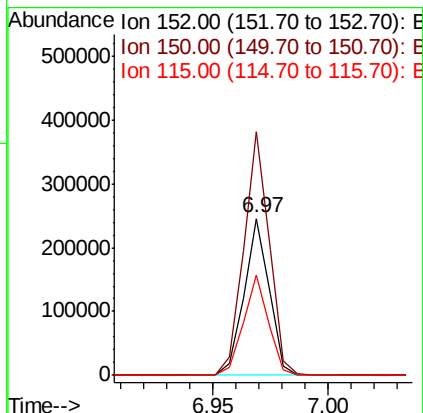
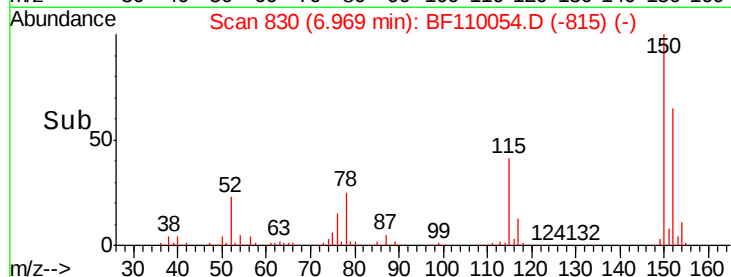
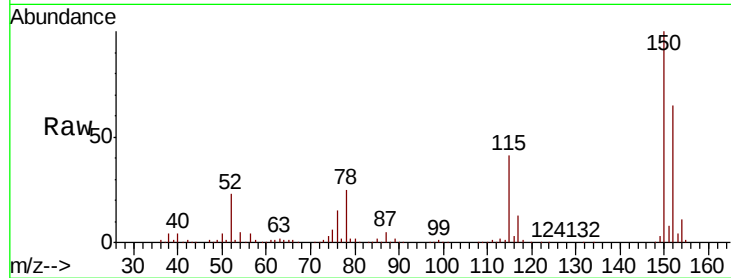


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110054.D
Acq: 22 Oct 2018 17:38

Instrument :
BNA_F
ClientSampled :

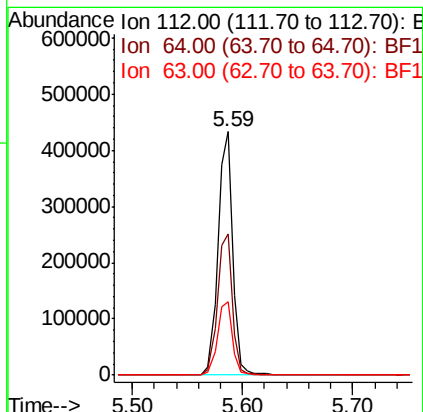
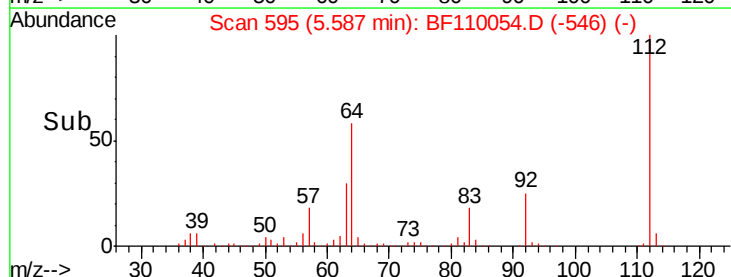
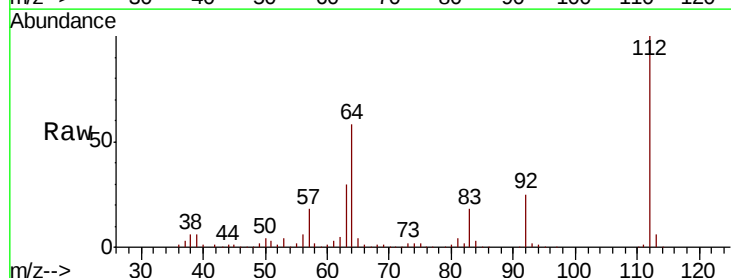
Tot Ion:152 Resp: 187380
Ion Ratio Lower Upper
152 100
150 155.0 122.7 184.1
115 63.5 49.1 73.7

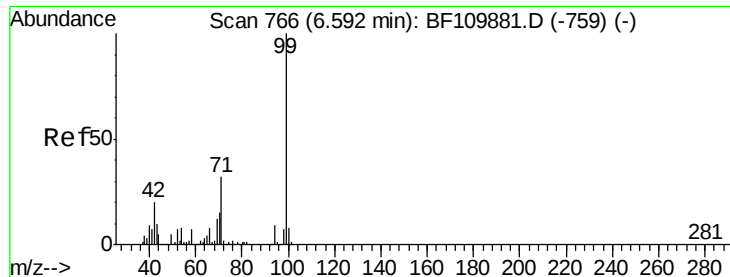


#5

2-Fluorophenol
Concen: 33.910 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110054.D
Acq: 22 Oct 2018 17:38

Tgt Ion:112 Resp: 400849
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 30.2 23.7 35.5





#7

Phenol-d6

Concen: 21.184 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Instrument :

BNA_F

ClientSampleId :

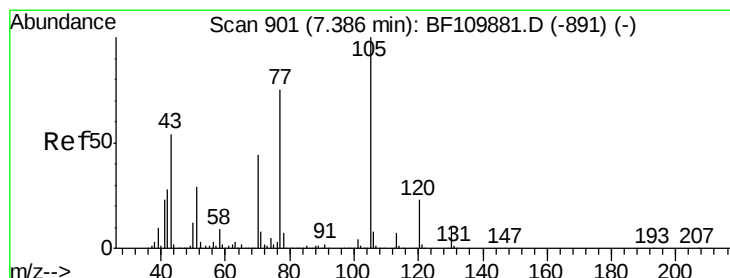
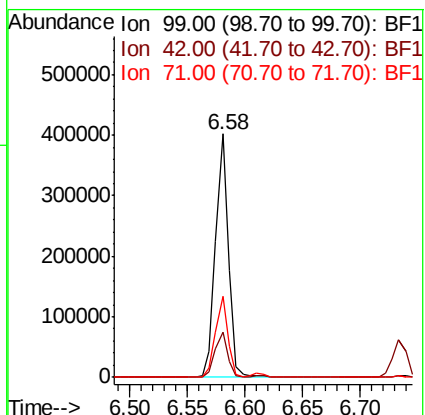
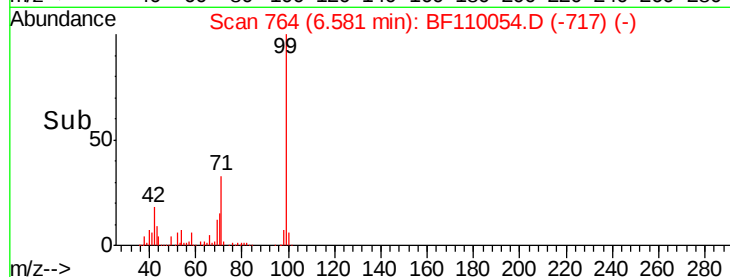
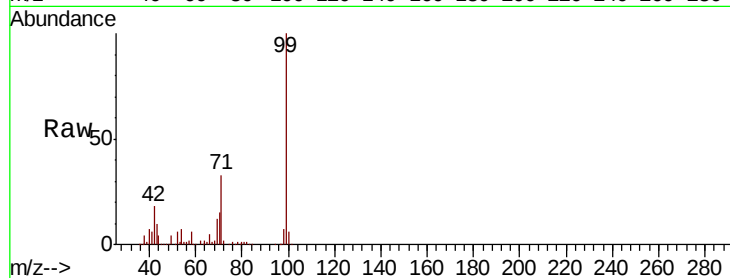
Tot Ion: 99 Resp: 310949

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 33.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.761 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Tgt Ion: 70 Resp: 139120

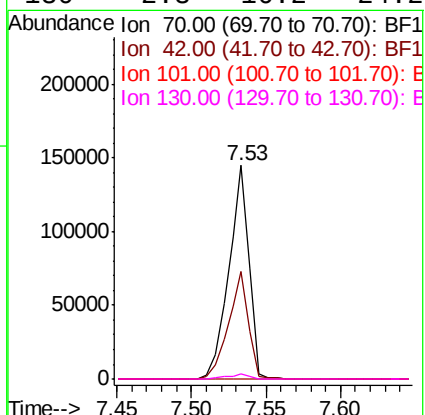
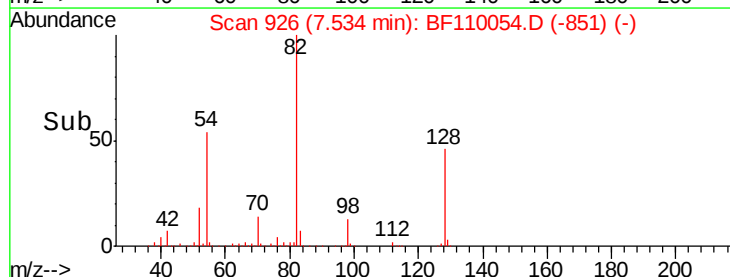
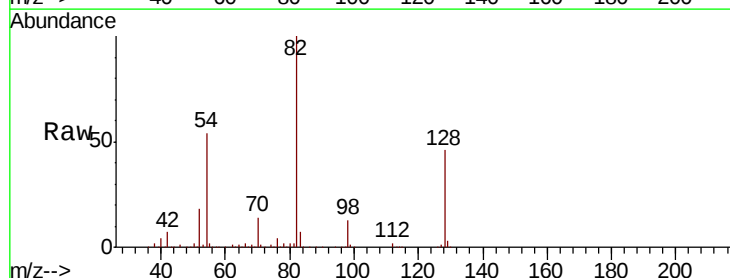
Ion Ratio Lower Upper

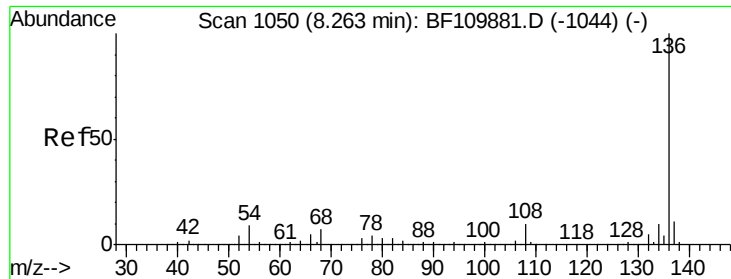
70 100

42 50.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 705708

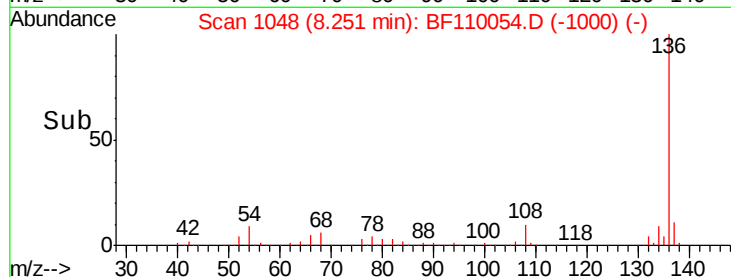
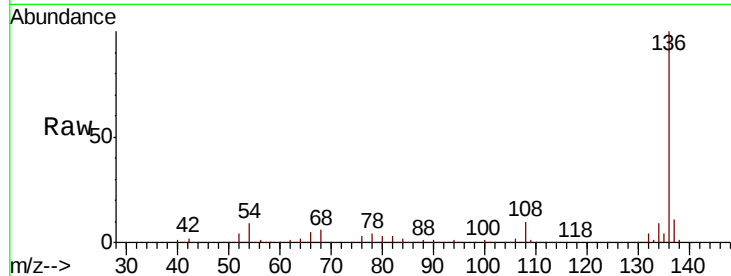
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.7 5.4 8.2#

68 5.7 4.2 6.2

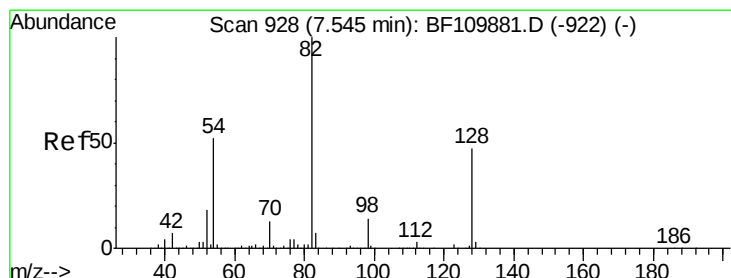
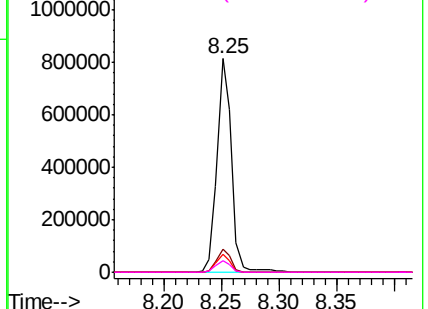


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.332 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

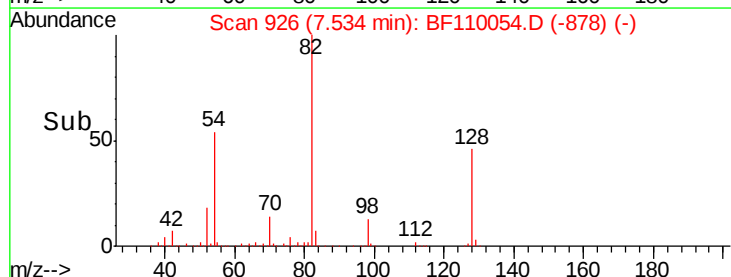
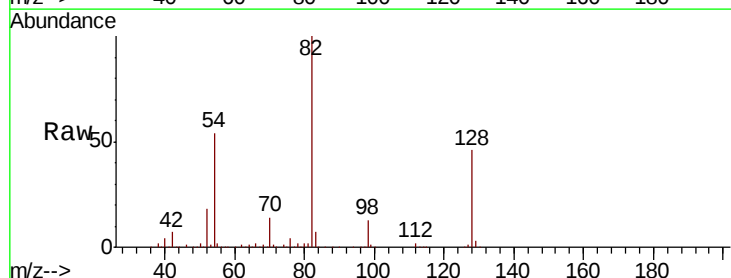
Tgt Ion: 82 Resp: 1040612

Ion Ratio Lower Upper

82 100

128 45.5 34.2 51.2

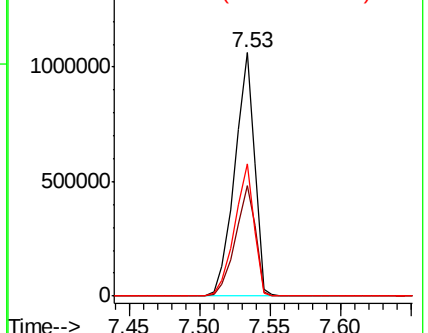
54 54.1 38.6 58.0

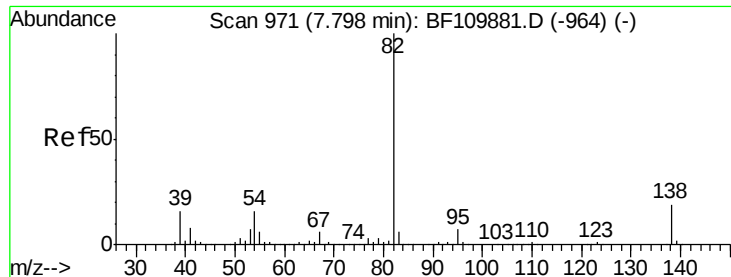


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.553 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Instrument :

BNA_F

ClientSampleId :

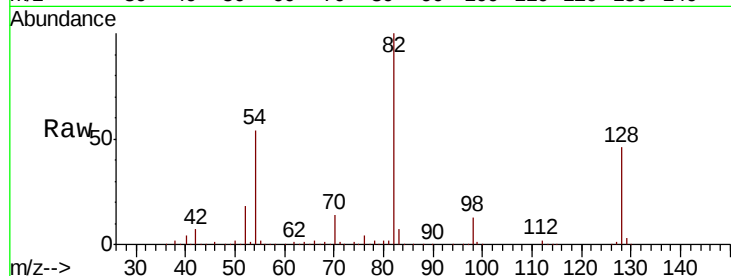
Tot Ion: 82 Resp: 1040593

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

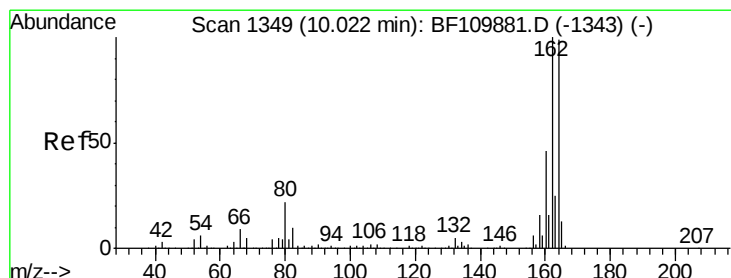
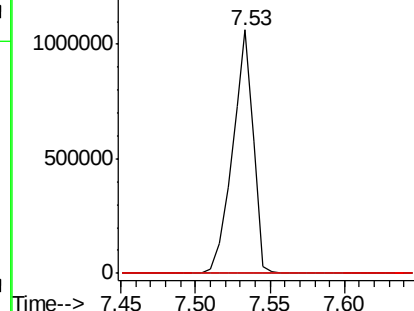
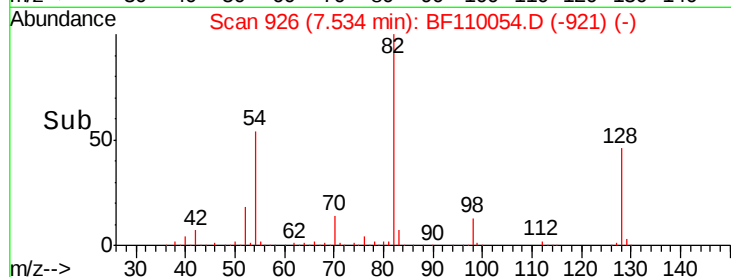
138 0.0 13.2 19.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

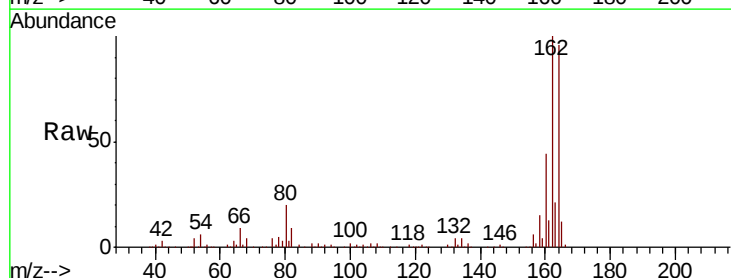
Tgt Ion: 164 Resp: 293402

Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.6

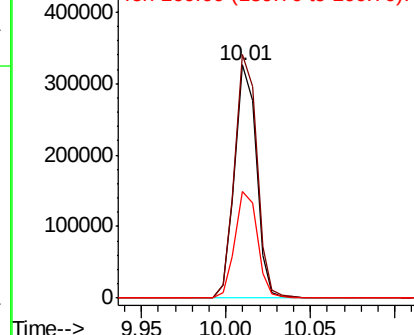
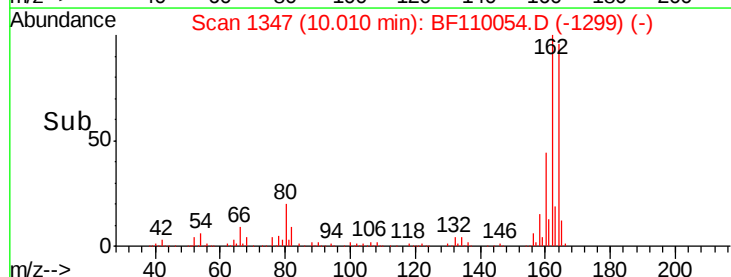
160 45.6 37.0 55.6

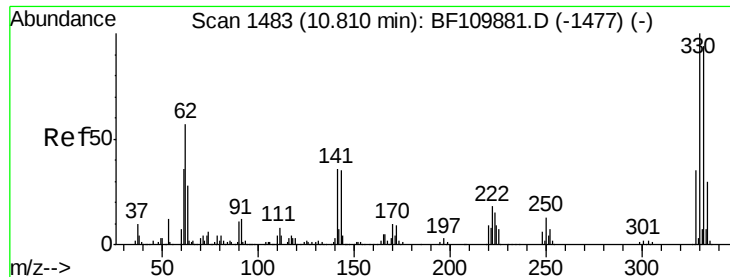


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

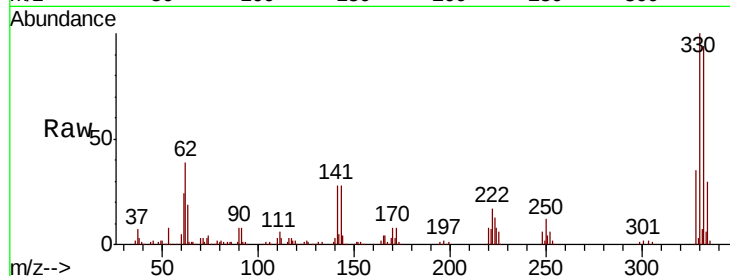




#42
 2,4,6-Tribromophenol
 Concen: 81.430 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110054.D
 Acq: 22 Oct 2018 17:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	36.5	27.0	40.4

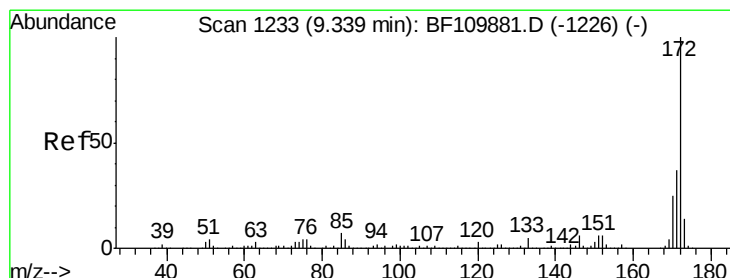
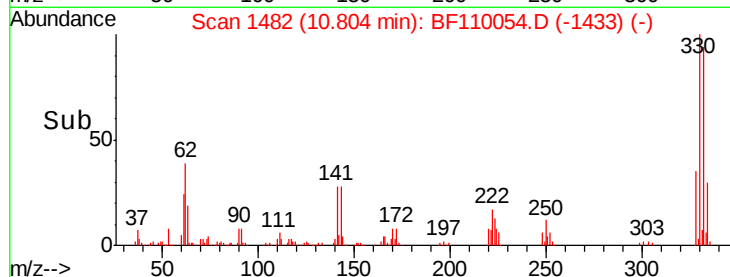
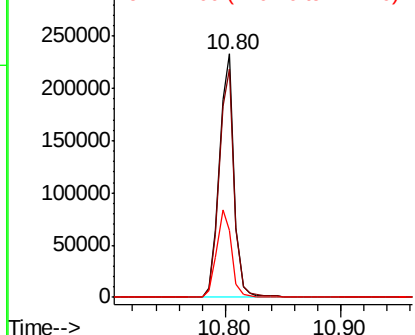


Abundance

Ion 329.80 (329.50 to 330.50): E

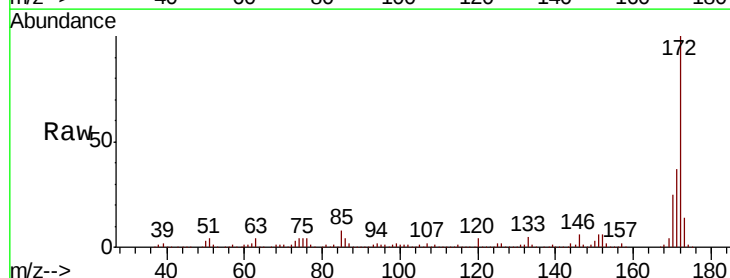
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.473 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110054.D
 Acq: 22 Oct 2018 17:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	43.0
170	24.5	19.7	29.5

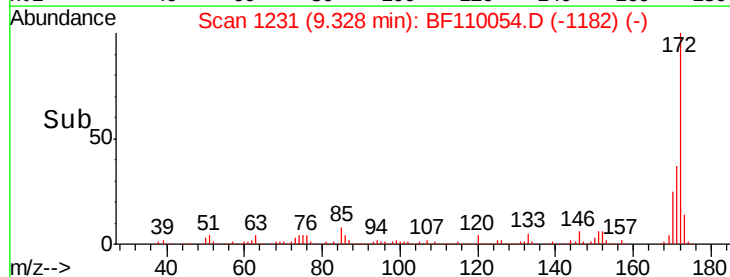
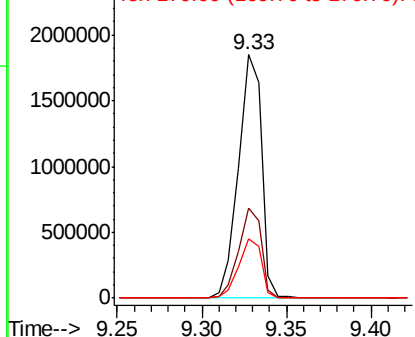


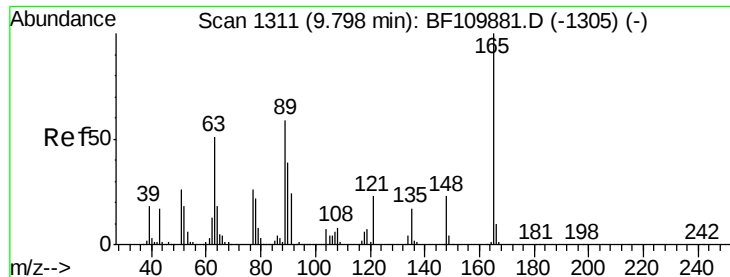
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 9.130 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Instrument :

BNA_F

ClientSampled :

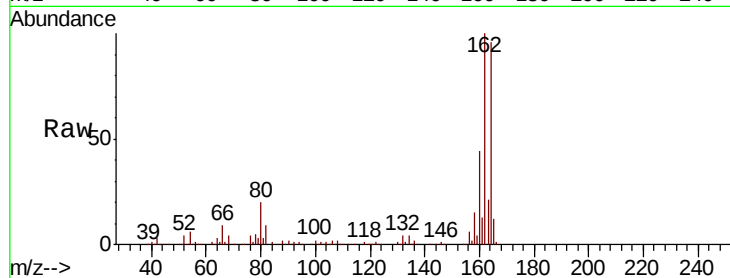
Tot Ion:165 Resp: 36027

Ion Ratio Lower Upper

165 100

63 0.9 48.9 73.3#

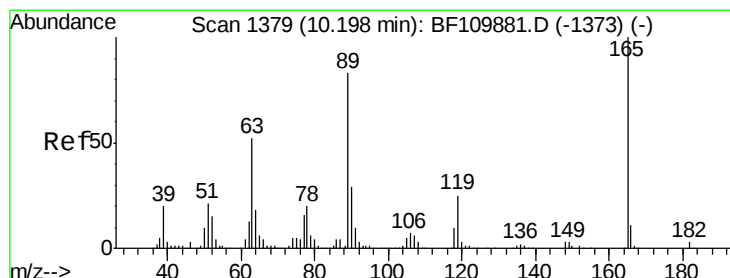
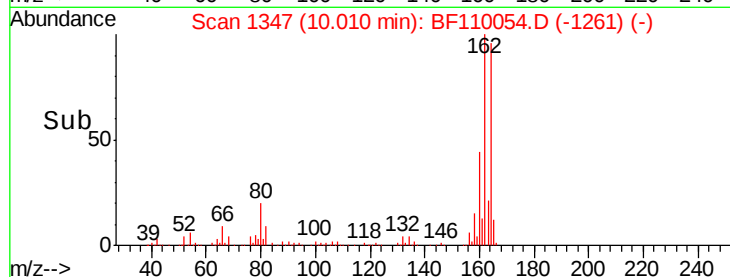
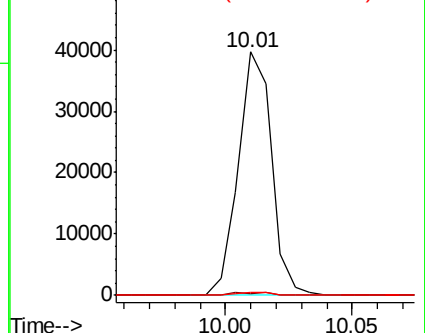
89 1.4 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 11.121 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Tgt Ion:165 Resp: 36027

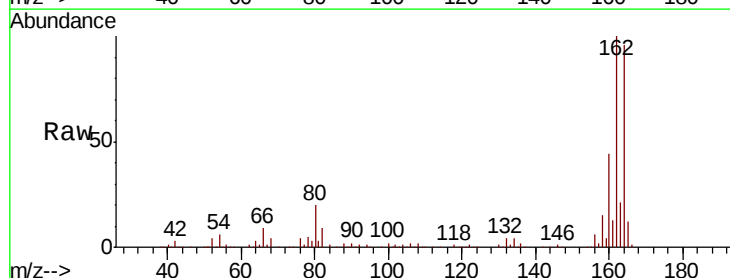
Ion Ratio Lower Upper

165 100

63 0.9 44.8 67.2#

89 1.4 62.2 93.4#

182 0.0 2.1 3.1#

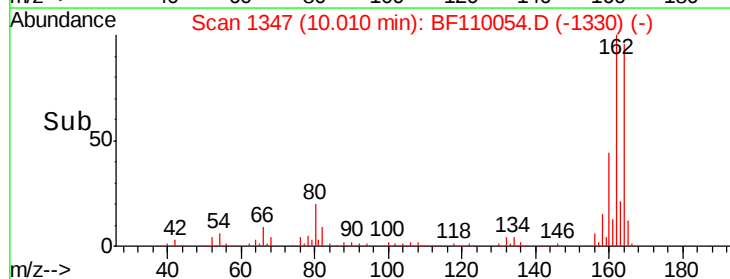
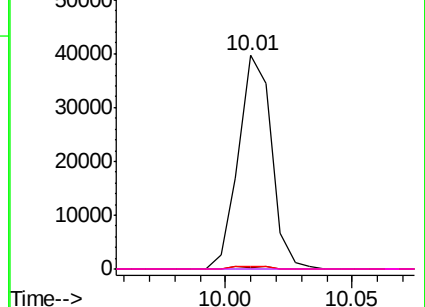


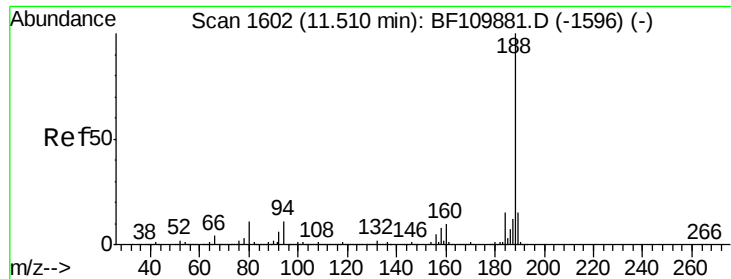
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

Instrument :

BNA_F

ClientSampleId :

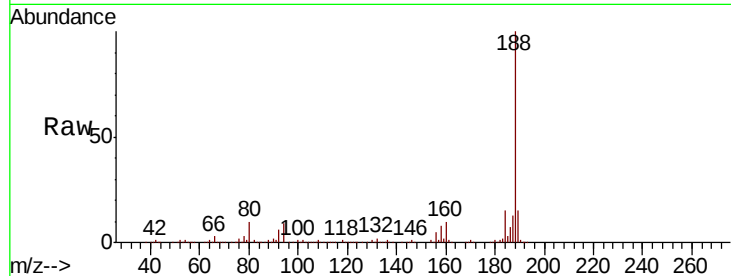
Tot Ion:188 Resp: 483298

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

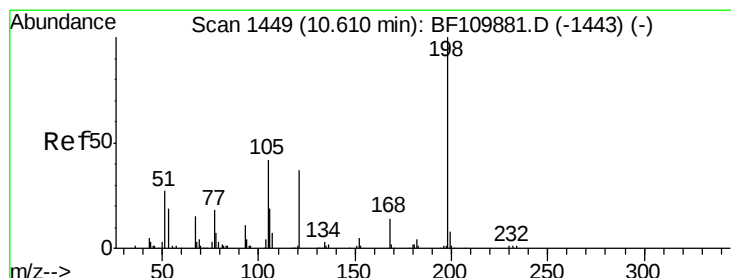
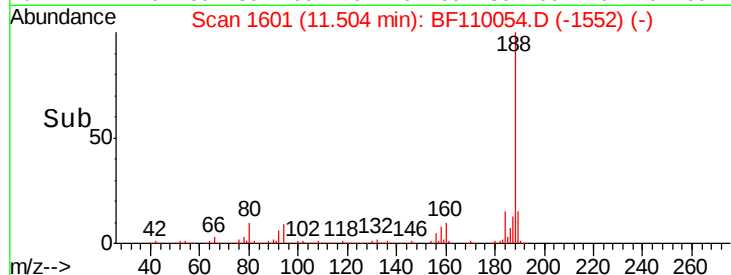
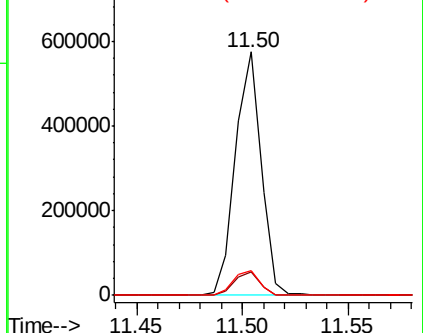
80 10.0 7.9 11.9



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: 8.081 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110054.D

Acq: 22 Oct 2018 17:38

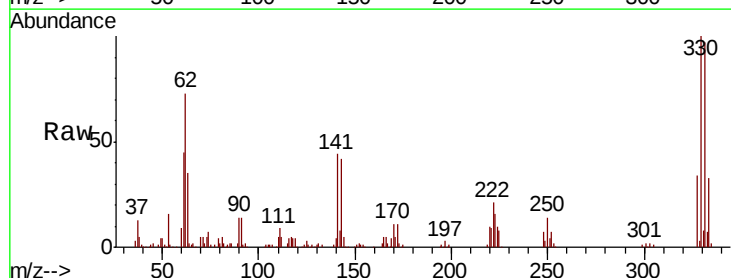
Tgt Ion:198 Resp: 370

Ion Ratio Lower Upper

198 100

51 173.2 22.8 62.8#

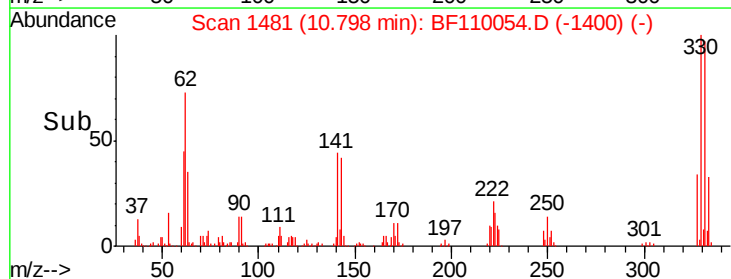
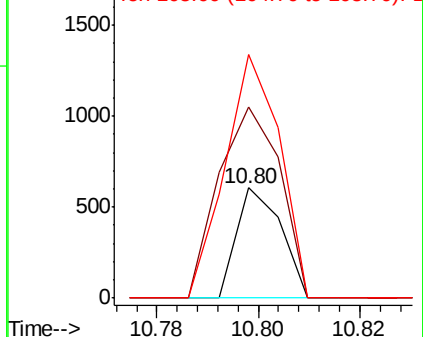
105 221.2 23.6 63.6#

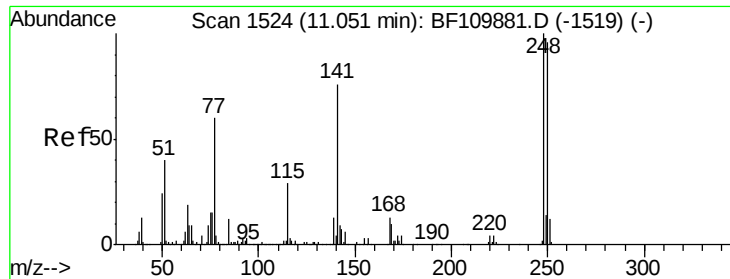


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

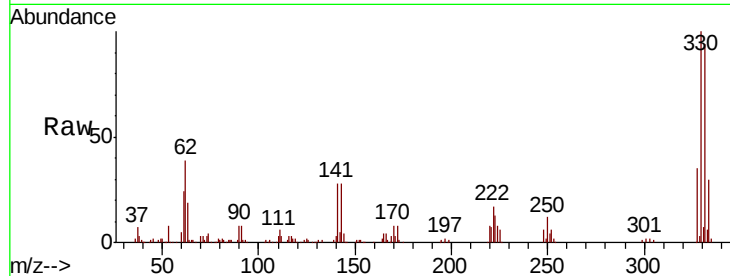




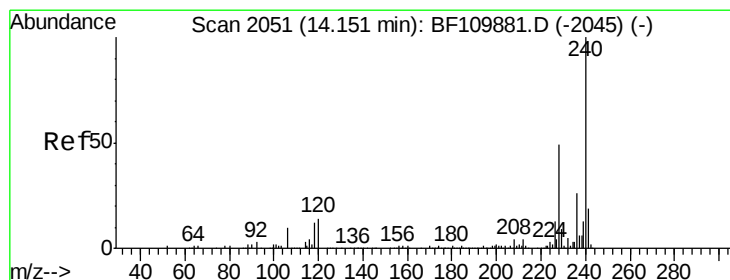
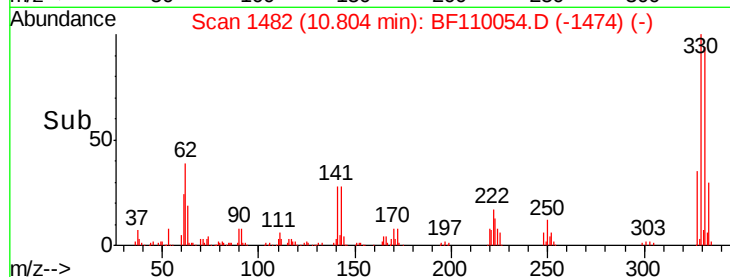
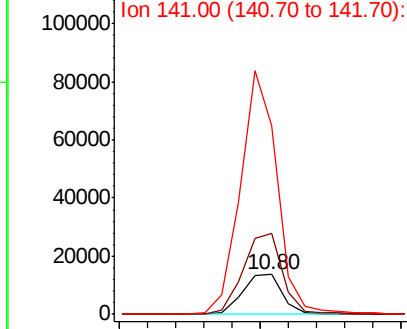
#67
4-Bromophenyl-phenylether
Concen: 2.541 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110054.D
Acq: 22 Oct 2018 17:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13311
Ion Ratio Lower Upper
248 100
250 204.1 79.4 119.2#
141 471.1 55.9 83.9#

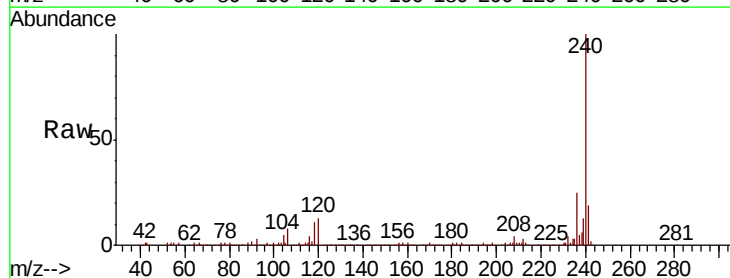


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

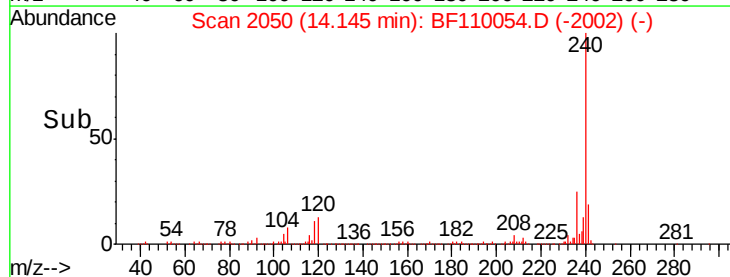
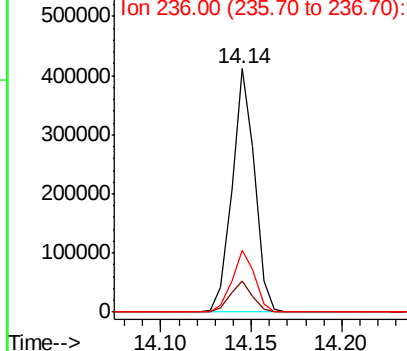


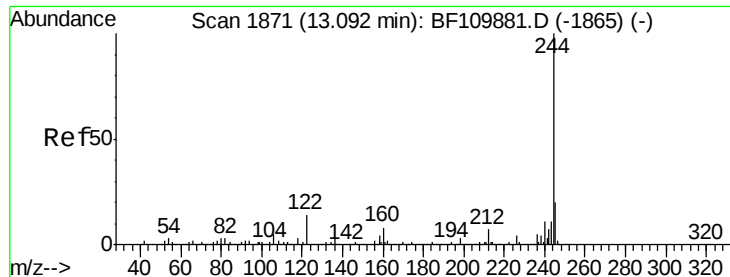
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110054.D
Acq: 22 Oct 2018 17:38

Tgt Ion:240 Resp: 354891
Ion Ratio Lower Upper
240 100
120 12.9 8.3 12.5#
236 25.2 21.2 31.8



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

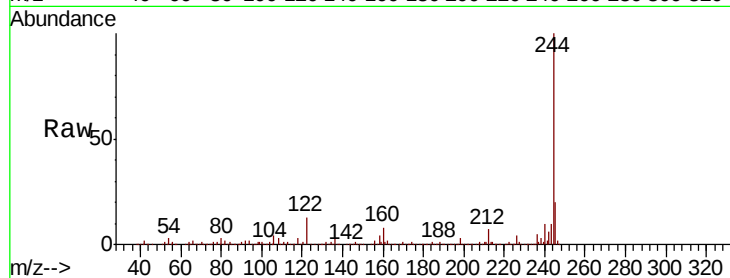




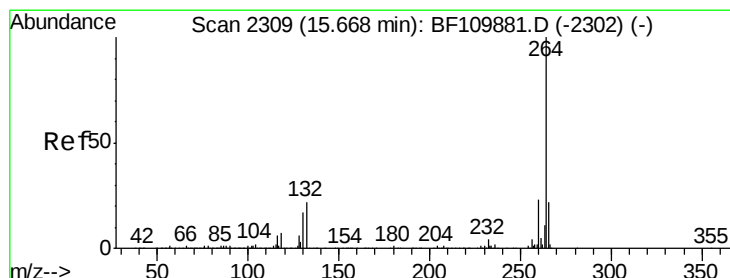
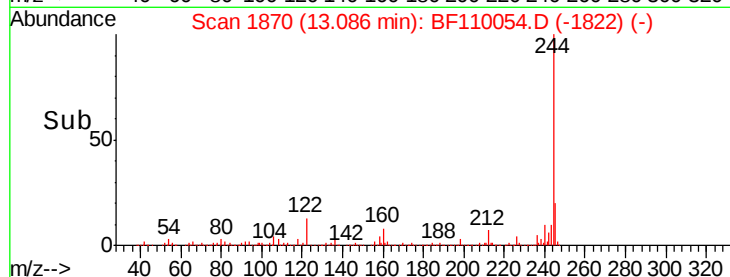
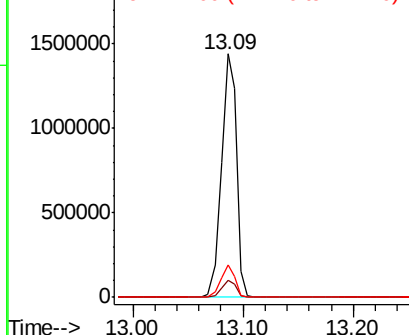
#79
 Terphenyl-d14
 Concen: 80.590 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110054.D
 Acq: 22 Oct 2018 17:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1361988
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 13.4 8.7 13.1#

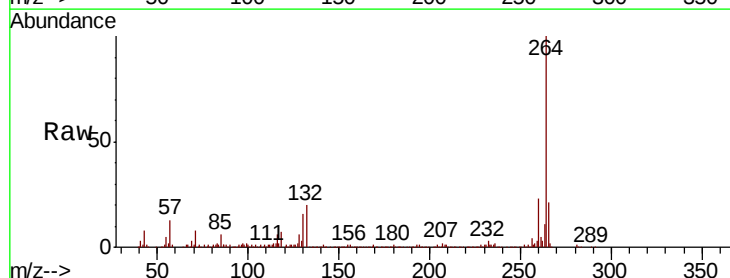


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BF110054.D
 Acq: 22 Oct 2018 17:38

Tgt Ion:264 Resp: 254577
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.2 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 250000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

