

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110002.D
 Acq On : 19 Oct 2018 15:07
 Operator : JU/SJ
 Sample : J5569-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:06:59 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

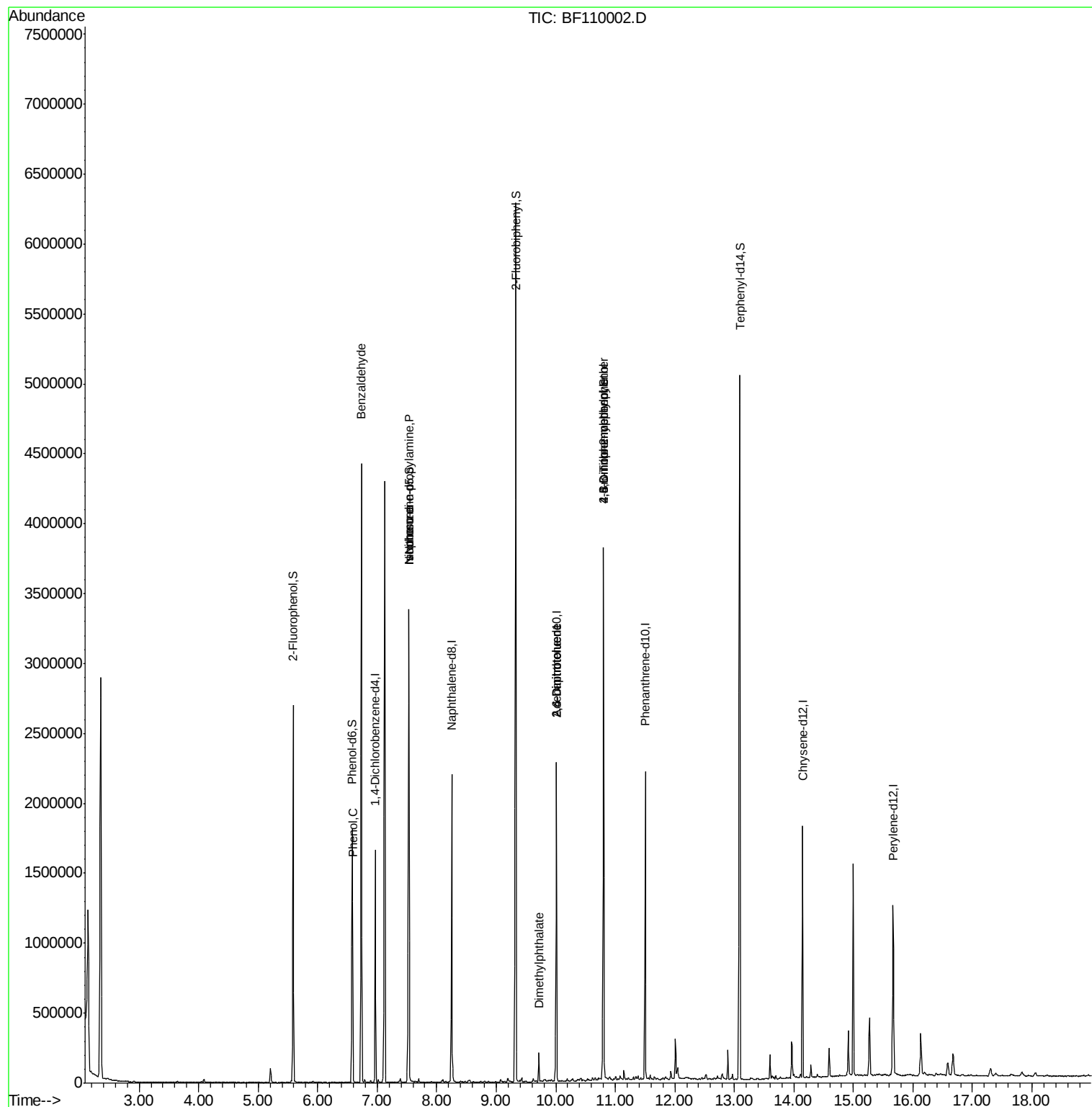
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	236357	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	948267	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	444191	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	797246	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	555854	20.00	ng	-0.02
87) Perylene-d12	15.67	264	386329	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	732141	49.10	ng	0.00
7) Phenol-d6	6.58	99	570860	30.83	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1213530	86.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	446820	116.19	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	2094317	75.23	ng	-0.01
79) Terphenyl-d14	13.09	244	1867305	70.54	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.74	77	29150	2.423	ng	83
10) Phenol	6.59	94	58356	2.919	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	160381	13.491	ng	# 79
25) Isophorone	7.53	82	1209948	43.745	ng	# 67
50) Dimethylphthalate	9.72	163	72813	2.315	ng	99
51) 2,6-Dinitrotoluene	10.01	165	56686	9.489	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	56686	11.378	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	1019	8.199	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	28812	3.335	ng	# 1

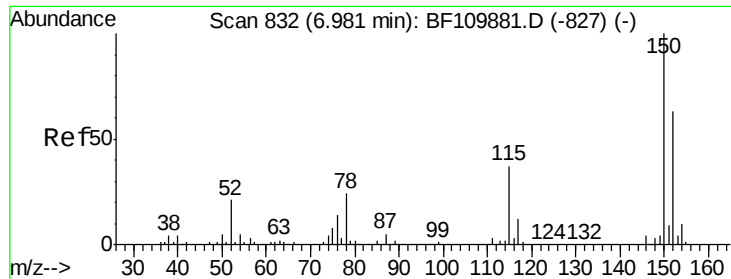
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampleId :

Quant Time: Oct 20 00:06:59 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
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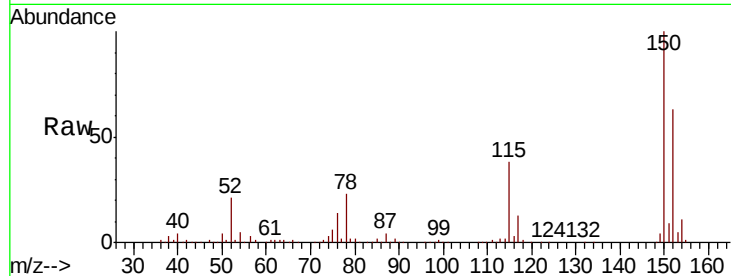


#1

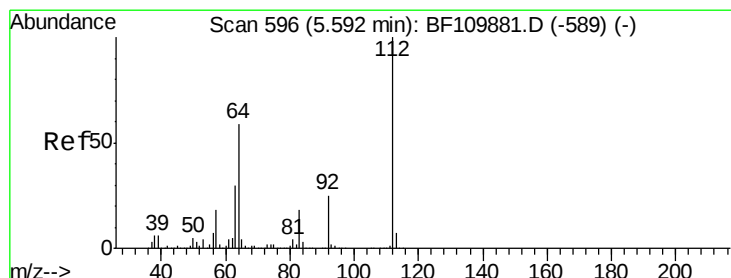
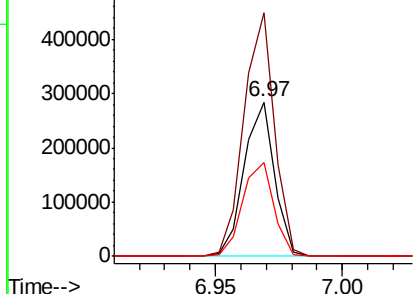
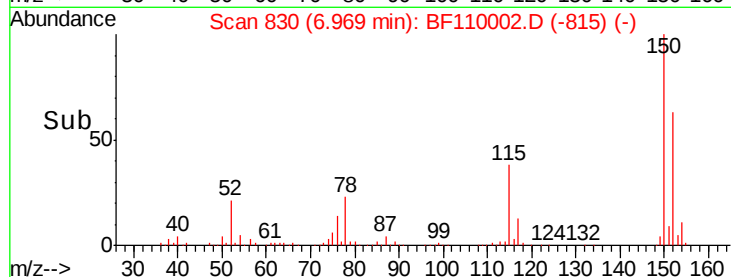
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.7	184.1
115	60.6	49.1	73.7



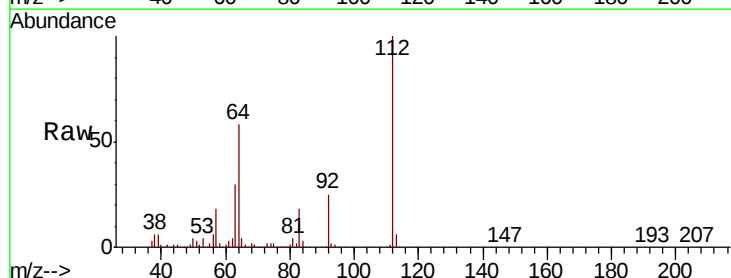
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



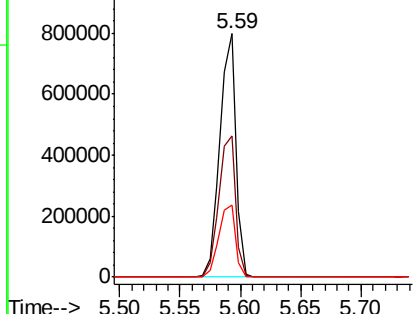
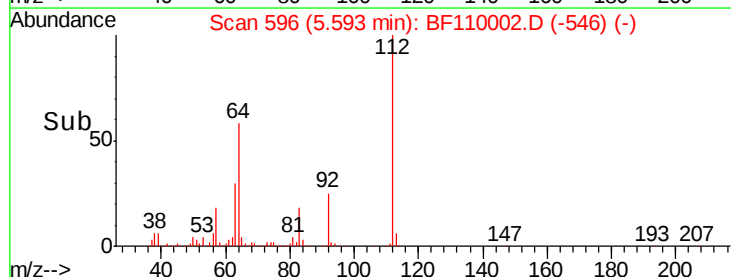
#5

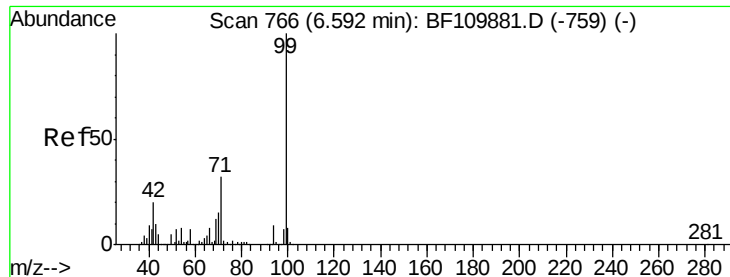
2-Fluorophenol
Concen: 49.101 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	29.8	23.7	35.5



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: 30.832 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110002.D

Acq: 19 Oct 2018 15:07

Instrument :

BNA_F

ClientSampleId :

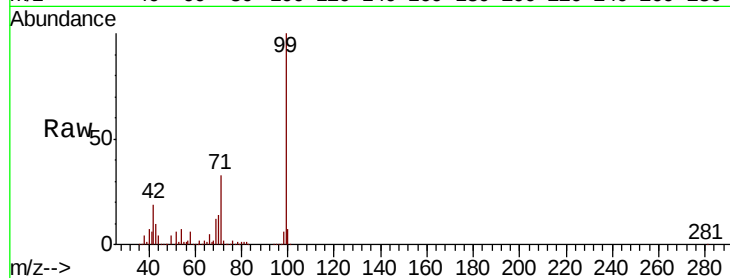
Tot Ion: 99 Resp: 570860

Ion Ratio Lower Upper

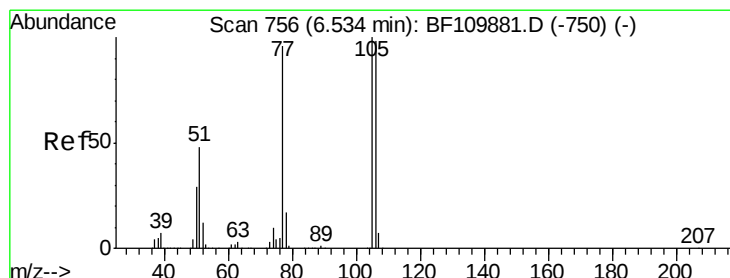
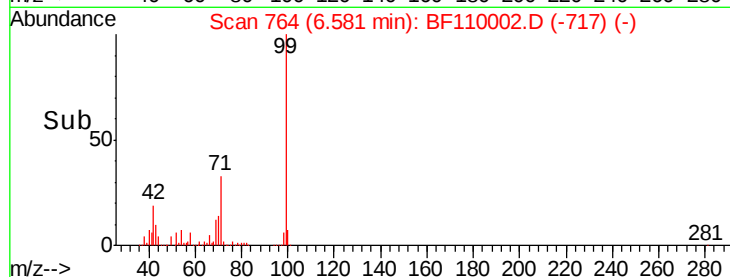
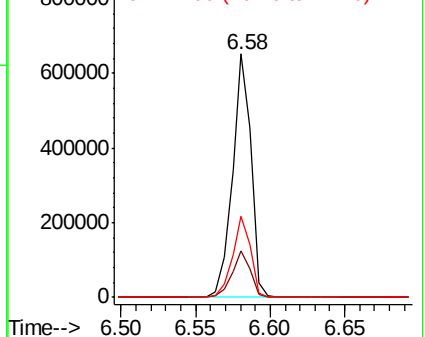
99 100

42 19.0 15.8 23.6

71 33.4 28.0 42.0



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



#9

Benzaldehyde

Concen: 2.423 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF110002.D

Acq: 19 Oct 2018 15:07

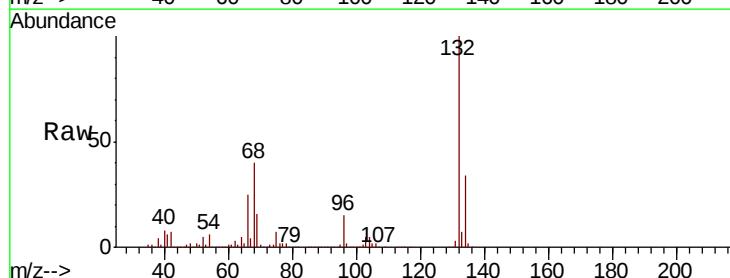
Tgt Ion: 77 Resp: 29150

Ion Ratio Lower Upper

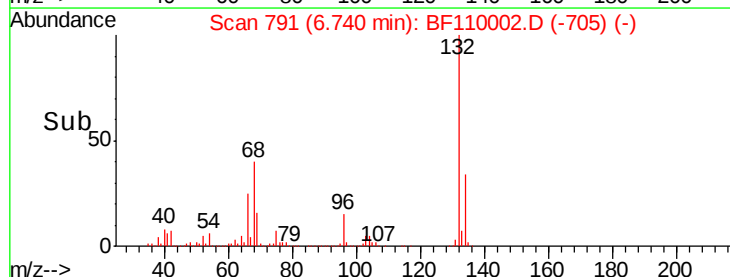
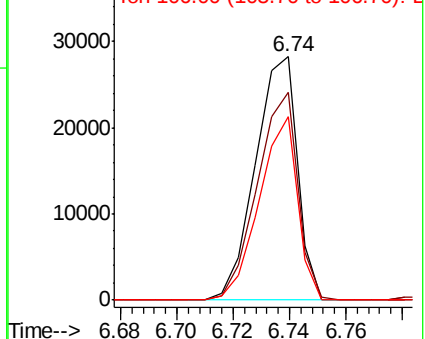
77 100

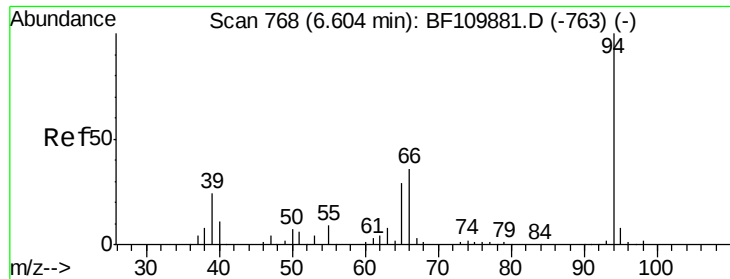
105 85.3 78.6 118.6

106 75.5 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

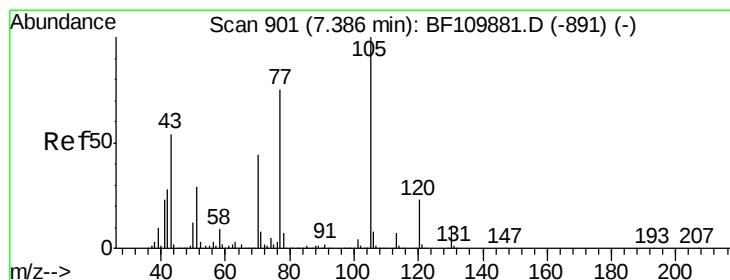
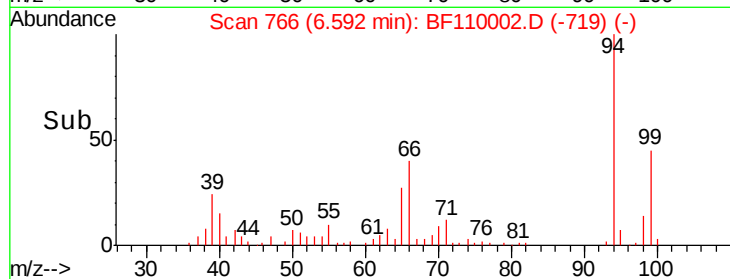
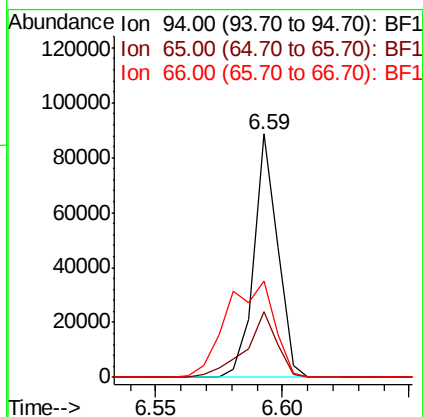
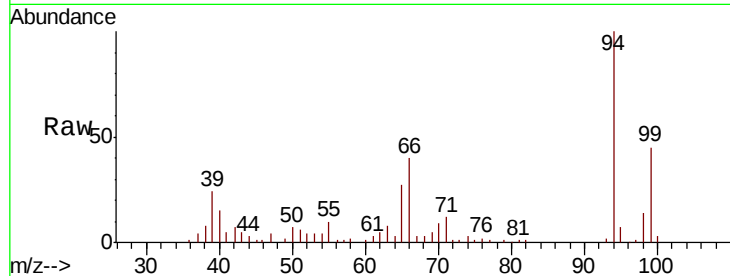




#10
Phenol
Concen: 2.919 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

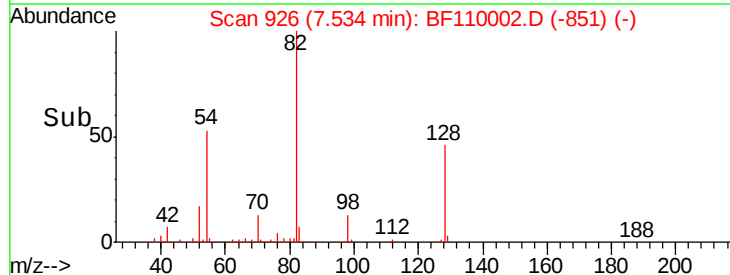
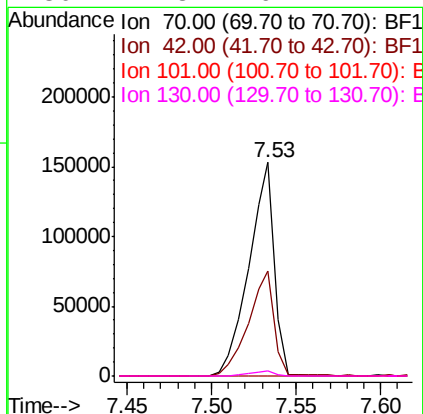
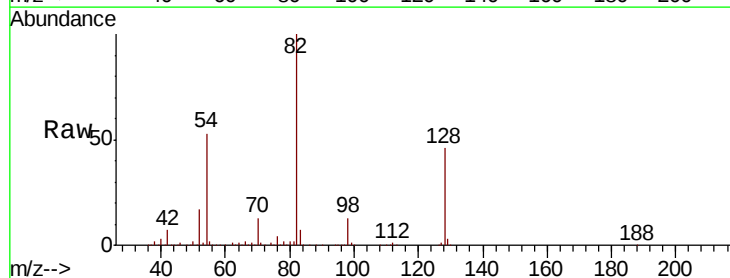
Instrument :
BNA_F
ClientSampled :

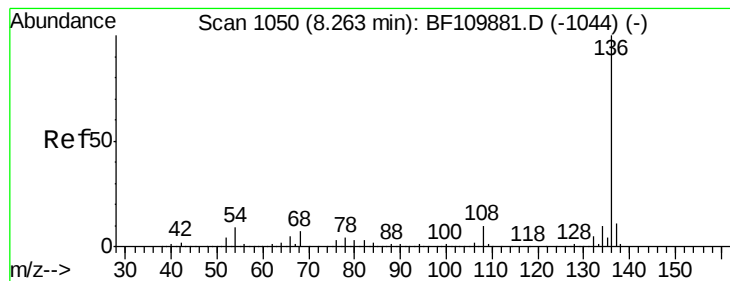
Tot Ion: 94 Resp: 58356
Ion Ratio Lower Upper
94 100
65 26.9 25.3 65.3
66 39.6 54.5 94.5#



#19
n-Nitroso-di-n-propylamine
Concen: 13.491 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.14 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Tgt Ion: 70 Resp: 160381
Ion Ratio Lower Upper
70 100
42 48.9 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: BF110002.D

Acq: 19 Oct 2018 15:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 948267

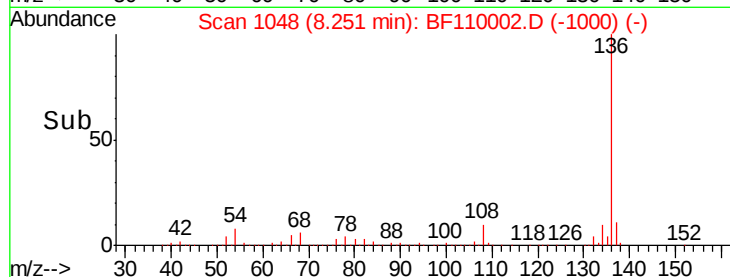
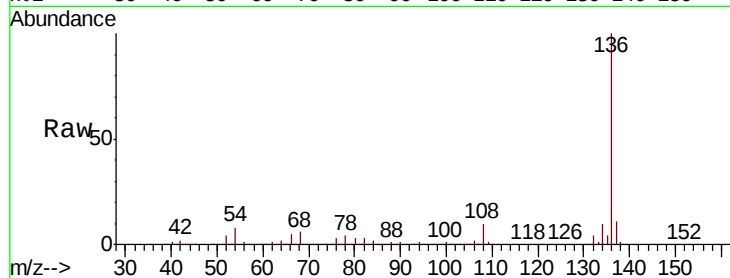
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.1 5.4 8.2

68 5.7 4.2 6.2

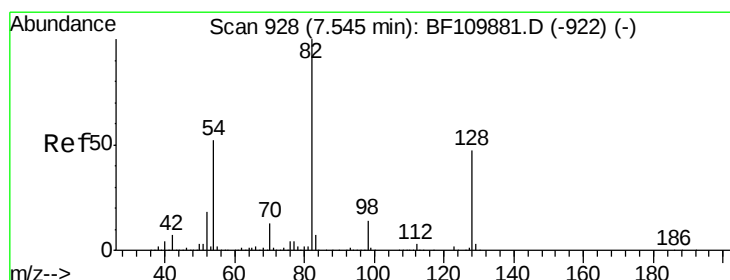
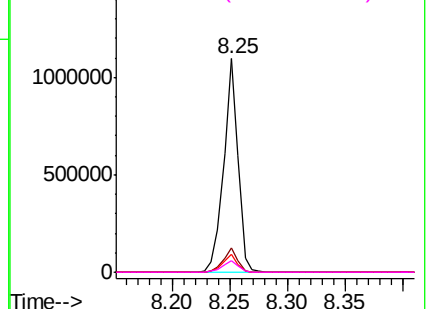


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.208 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF110002.D

Acq: 19 Oct 2018 15:07

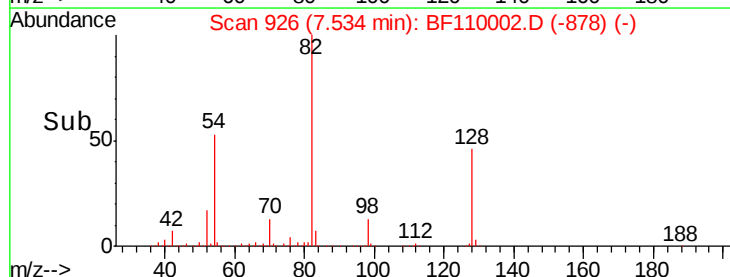
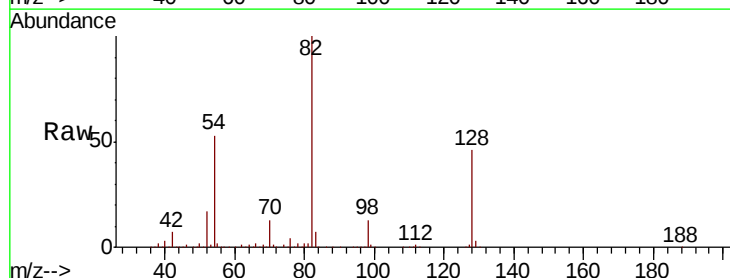
Tgt Ion: 82 Resp: 1213530

Ion Ratio Lower Upper

82 100

128 45.9 34.2 51.2

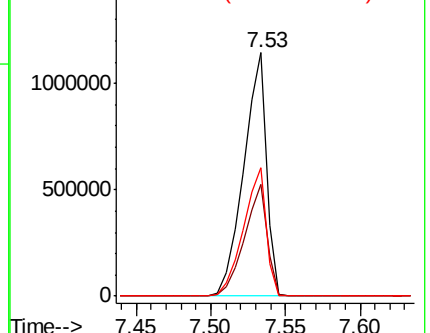
54 52.5 38.6 58.0

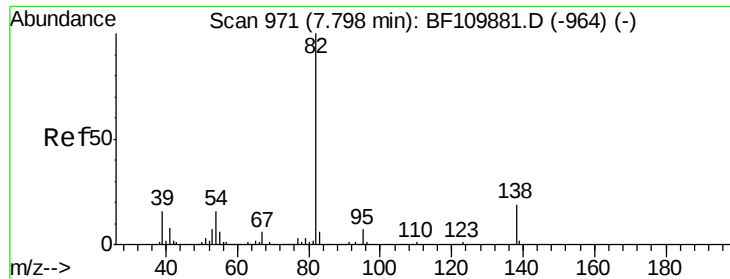


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.745 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110002.D

Acq: 19 Oct 2018 15:07

Instrument :

BNA_F

ClientSampleId :

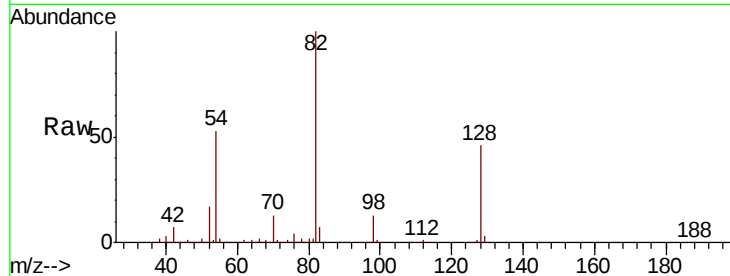
Tot Ion: 82 Resp: 1209948

Ion Ratio Lower Upper

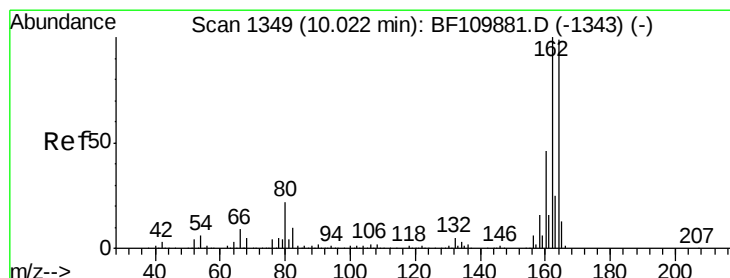
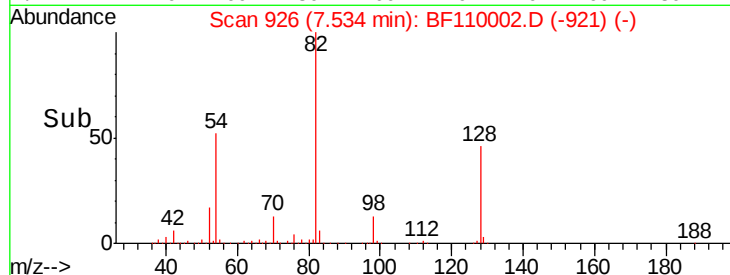
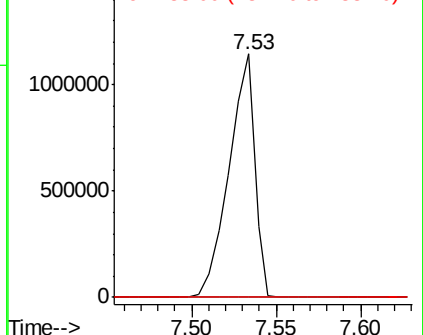
82 100

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: BF110002.D

Acq: 19 Oct 2018 15:07

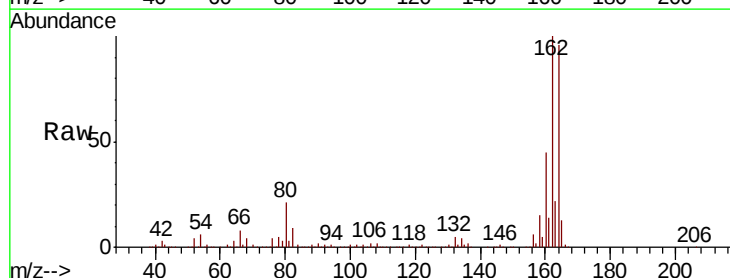
Tgt Ion:164 Resp: 444191

Ion Ratio Lower Upper

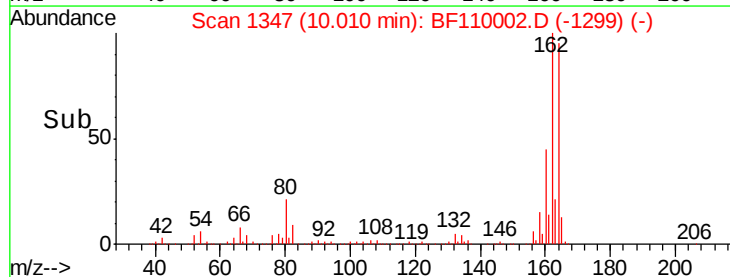
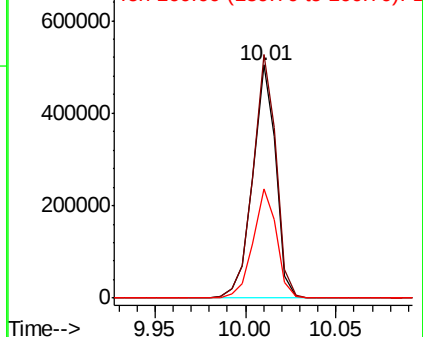
164 100

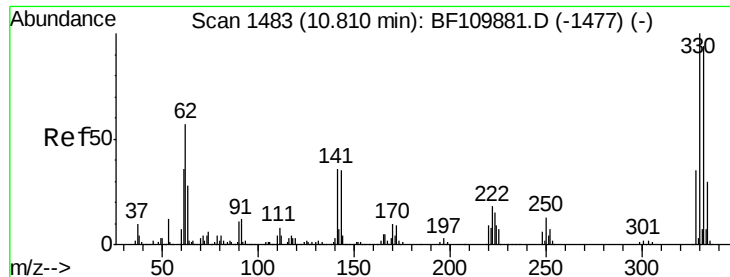
162 104.5 83.0 124.6

160 46.7 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

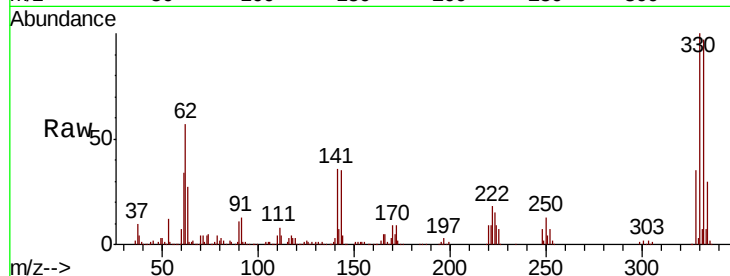




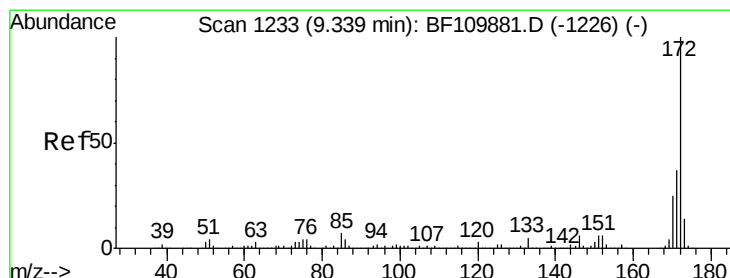
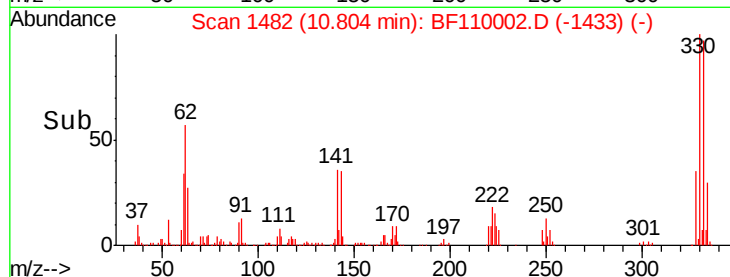
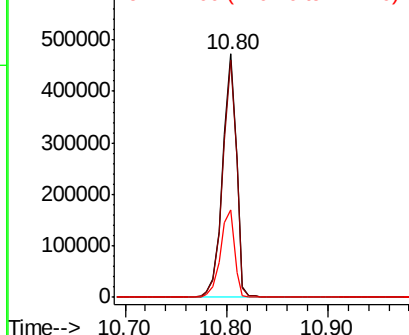
#42
 2,4,6-Tribromophenol
 Concen: 116.187 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110002.D
 Acq: 19 Oct 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 446820
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.1 115.7
 141 36.7 27.0 40.4

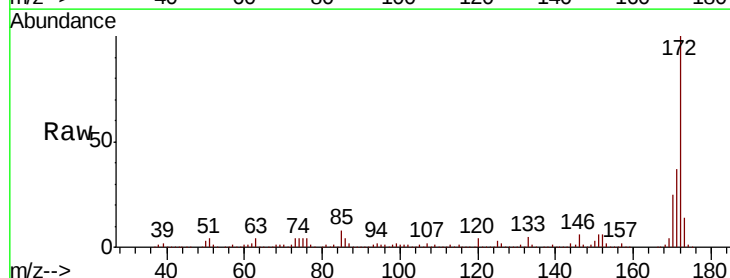


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

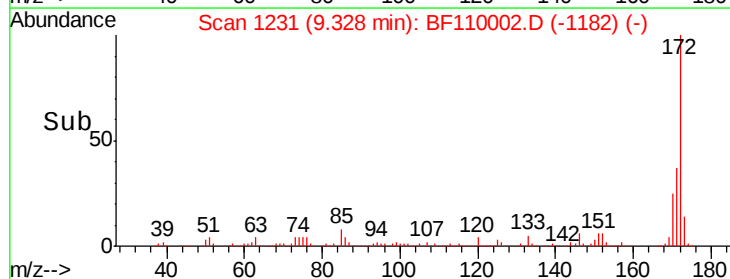
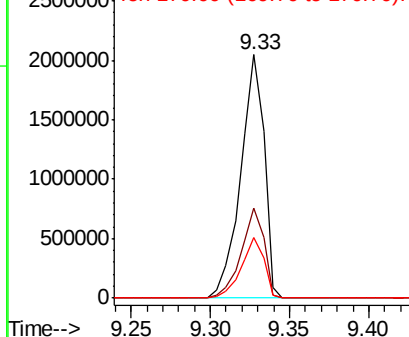


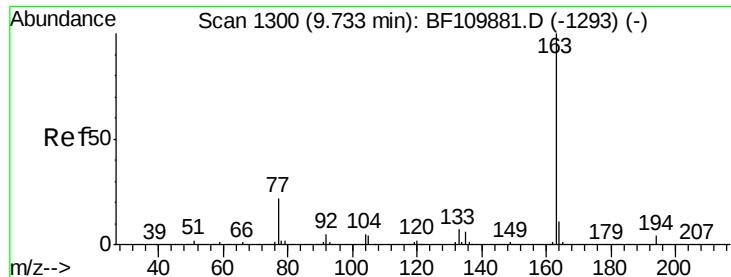
#45
 2-Fluorobiphenyl
 Concen: 75.234 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110002.D
 Acq: 19 Oct 2018 15:07

Tgt Ion:172 Resp: 2094317
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.6 43.0
 170 24.8 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

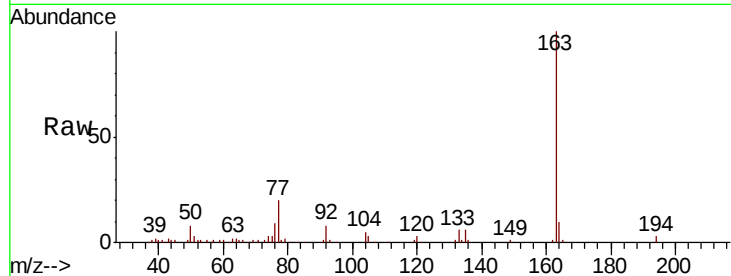




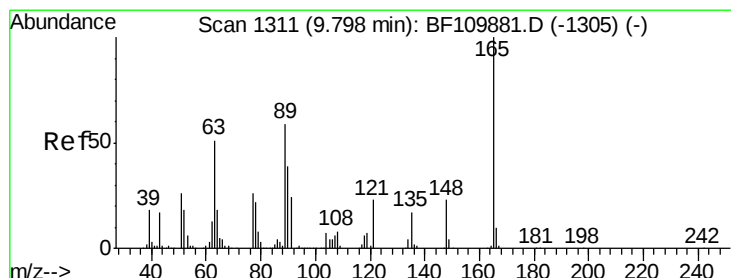
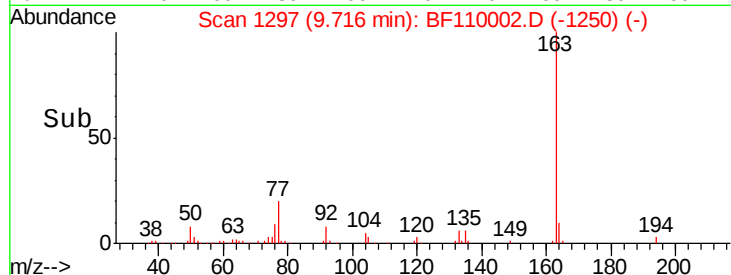
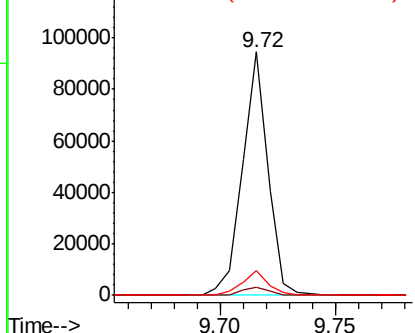
#50
Dimethylphthalate
Concen: 2.315 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72813
Ion Ratio Lower Upper
163 100
194 3.3 3.2 4.8
164 10.2 8.1 12.1

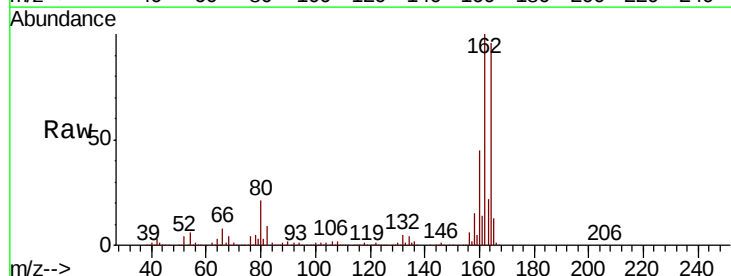


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

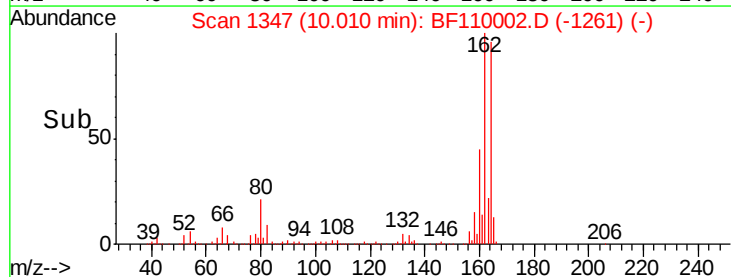
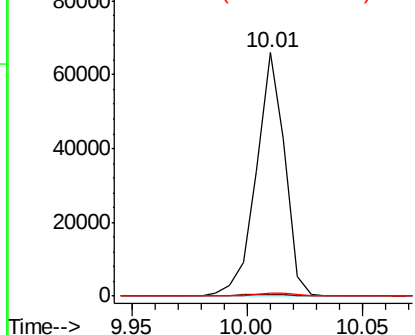


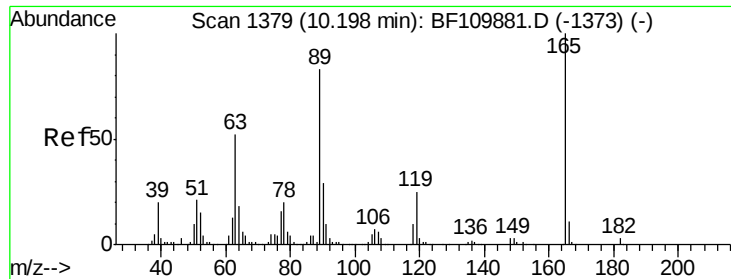
#51
2,6-Dinitrotoluene
Concen: 9.489 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Tgt Ion:165 Resp: 56686
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.2 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

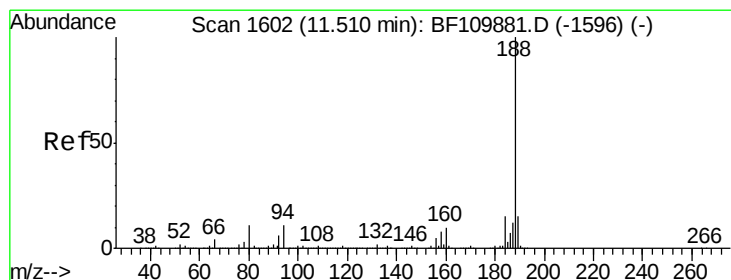
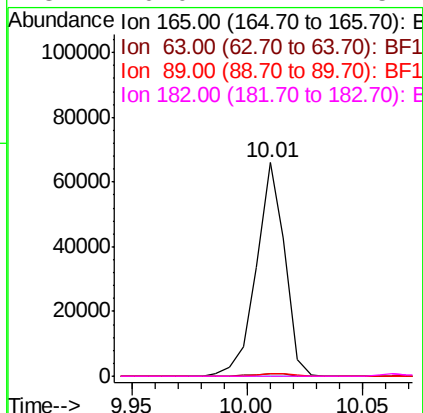
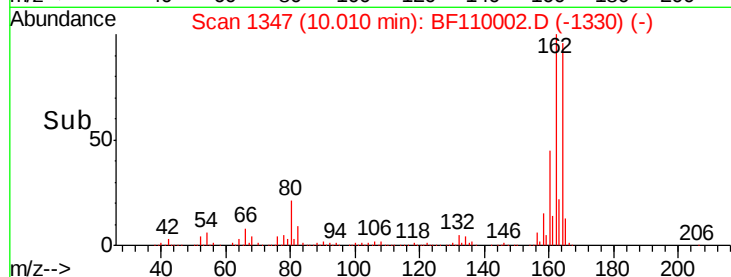
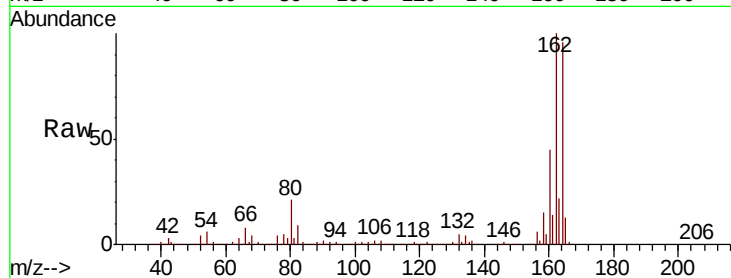




#57
2,4-Dinitrotoluene
Concen: 11.378 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

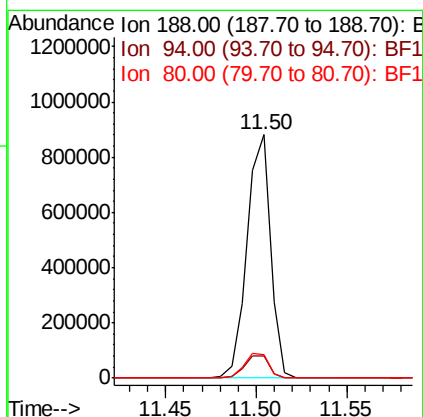
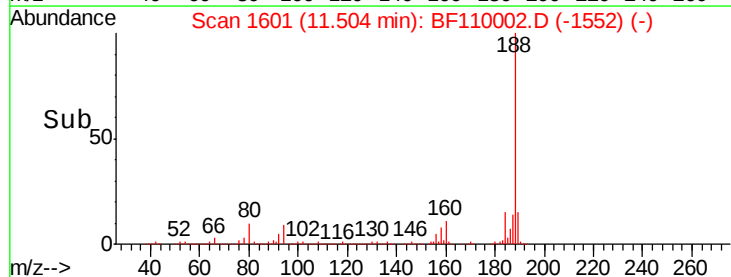
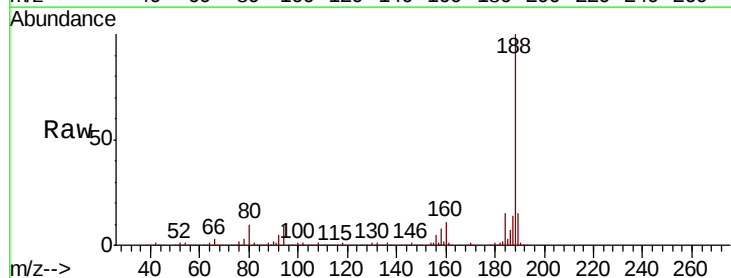
Instrument :
BNA_F
ClientSampleId :

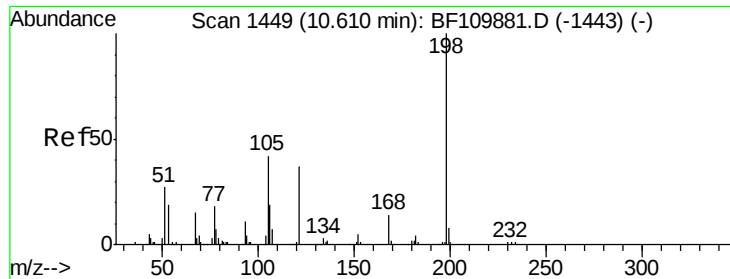
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.8	7.9	11.9

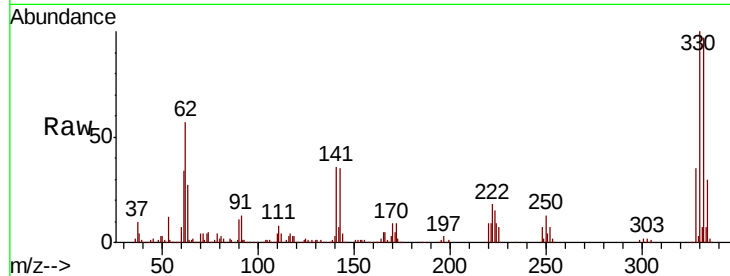




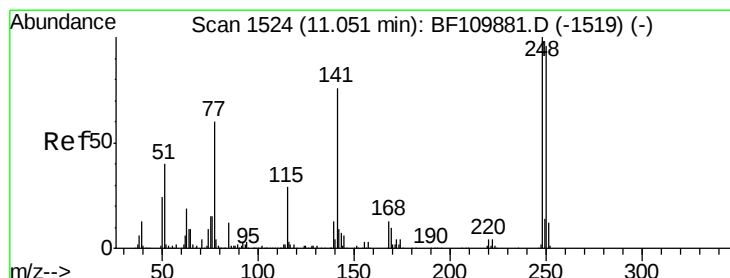
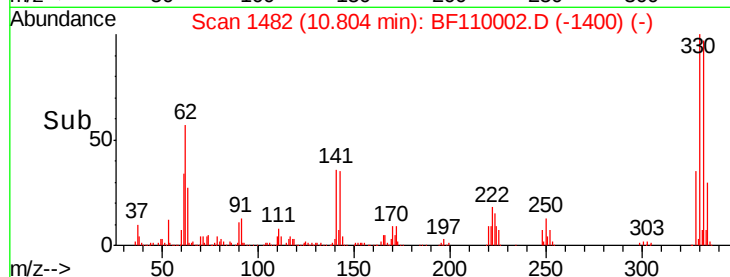
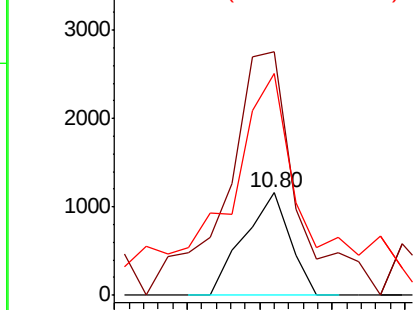
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.199 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.18 min
 Lab File: BF110002.D
 Acq: 19 Oct 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	237.2	22.8	62.8#
105	216.6	23.6	63.6#

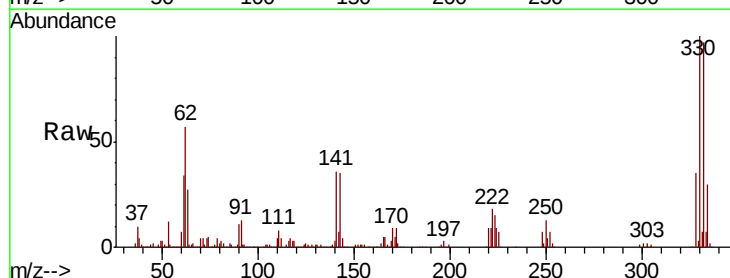


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

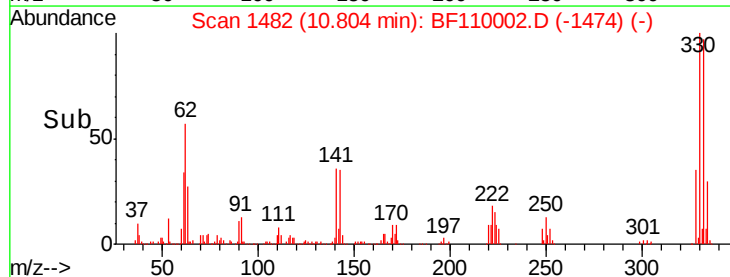
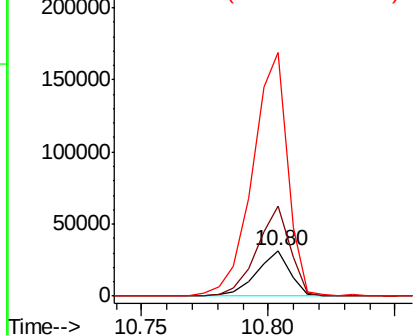


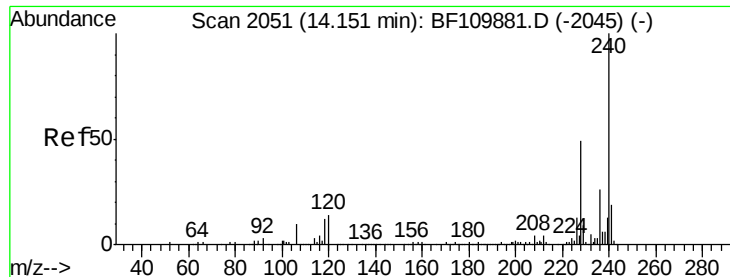
#67
 4-Bromophenyl-phenylether
 Concen: 3.335 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110002.D
 Acq: 19 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.6	79.4	119.2#
141	536.2	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: BF110002.D

Acq: 19 Oct 2018 15:07

Instrument :

BNA_F

ClientSampleId :

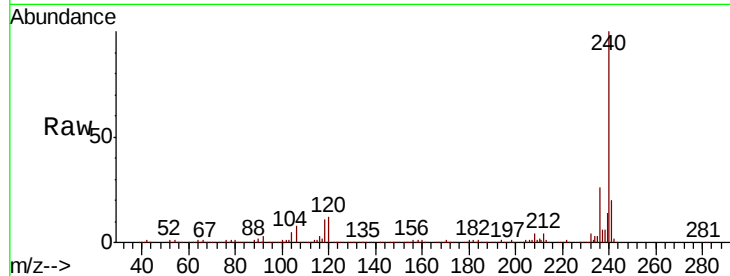
Tot Ion:240 Resp: 555854

Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

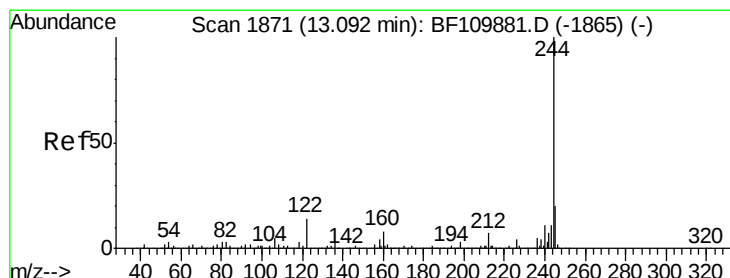
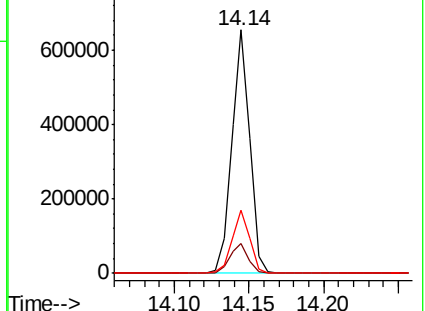
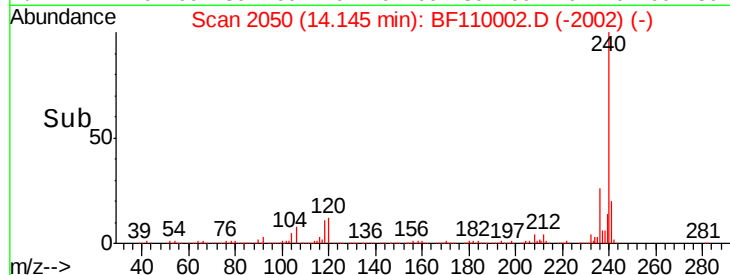
236 25.8 21.2 31.8



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: 70.544 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110002.D

Acq: 19 Oct 2018 15:07

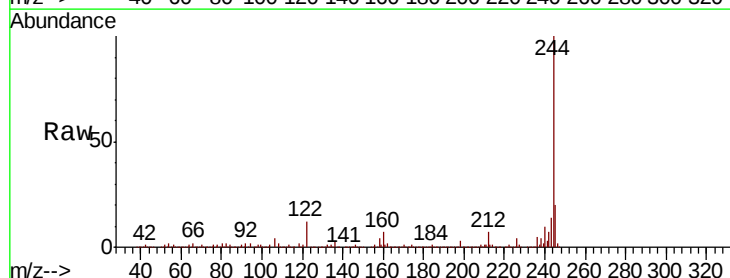
Tgt Ion:244 Resp: 1867305

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

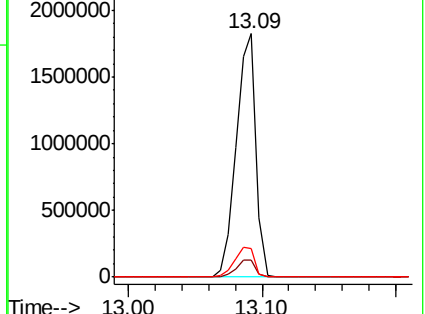
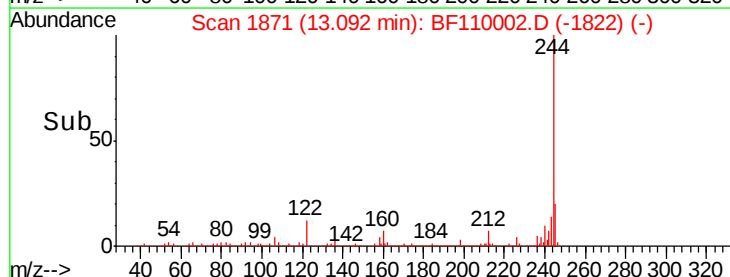
122 11.5 8.7 13.1

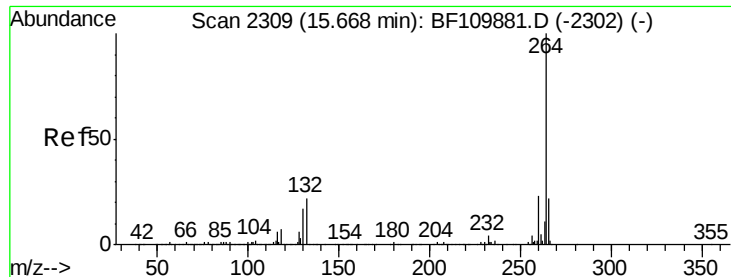


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

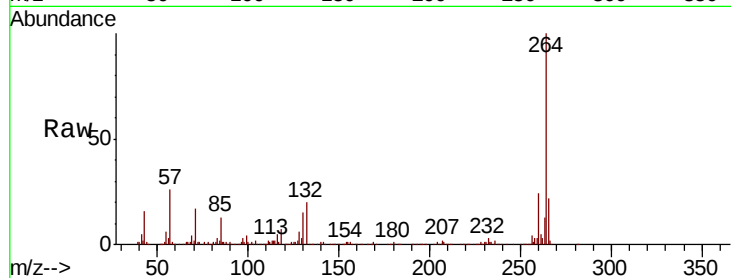




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110002.D
Acq: 19 Oct 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.0	16.7	25.1



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

