

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110000.D
 Acq On : 19 Oct 2018 14:14
 Operator : JU/SJ
 Sample : J5569-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:06:22 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

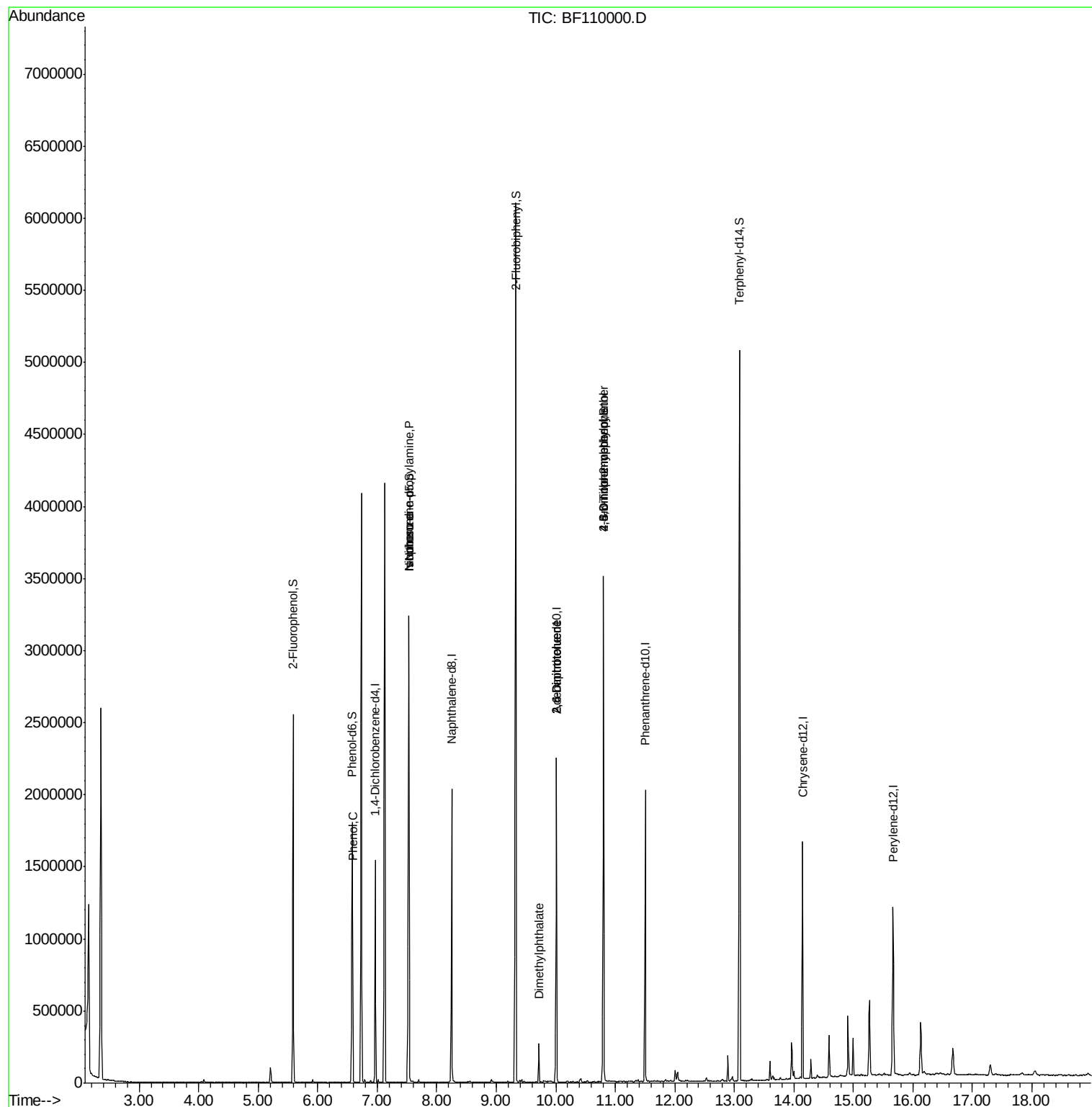
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	230597	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	914165	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	434302	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	772107	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	527027	20.00	ng	-0.02
87) Perylene-d12	15.66	264	359024	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	719364	49.45	ng	0.00
7) Phenol-d6	6.58	99	571570	31.64	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1176278	86.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	427954	113.82	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	2059883	75.68	ng	-0.01
79) Terphenyl-d14	13.09	244	1837785	73.23	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	63939	3.278	ng	# 65
19) n-Nitroso-di-n-propylamine	7.53	70	158178	13.638	ng	# 79
25) Isophorone	7.53	82	1175644	44.090	ng	# 67
50) Dimethylphthalate	9.72	163	97162	3.159	ng	100
51) 2,6-Dinitrotoluene	10.01	165	55394	9.484	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	55394	11.374	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	1039	8.215	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	27739	3.315	ng	# 1

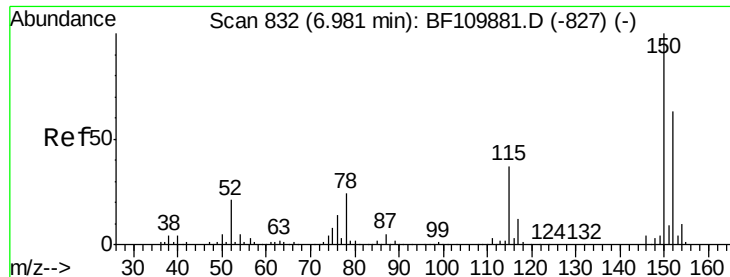
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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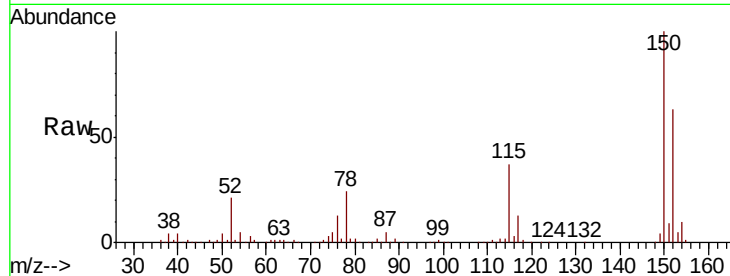


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.7	184.1
115	58.3	49.1	73.7

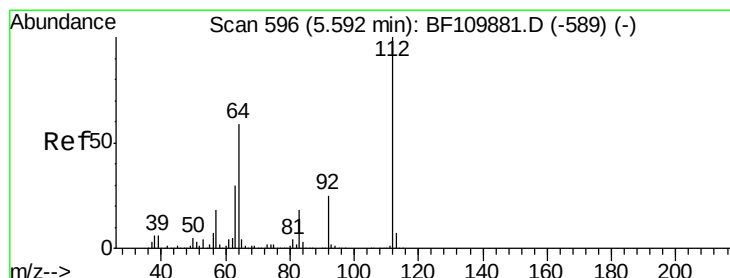
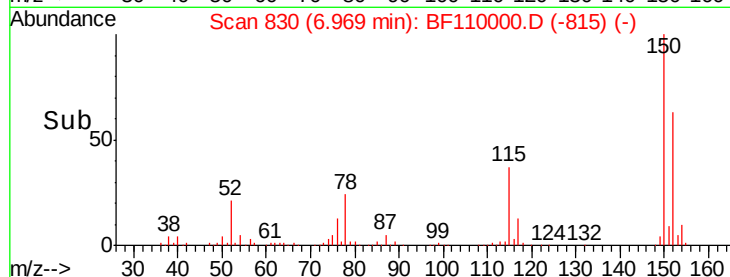
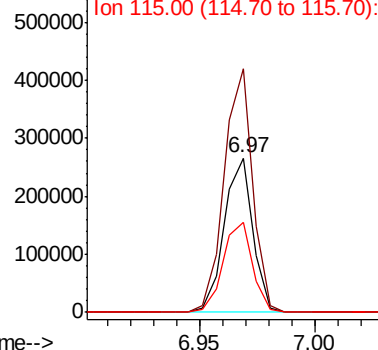


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

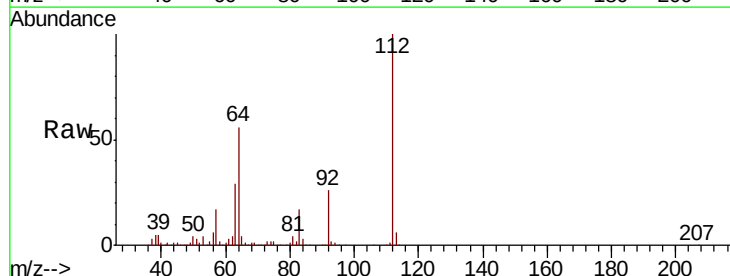
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.449 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	29.1	23.7	35.5

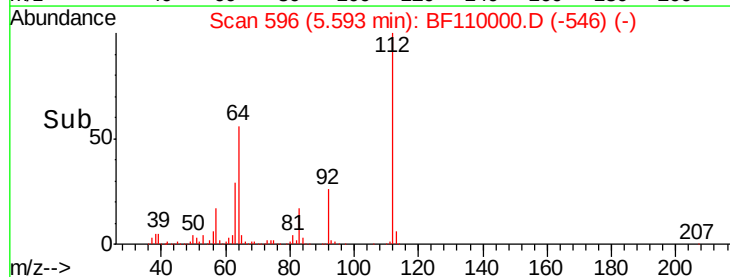
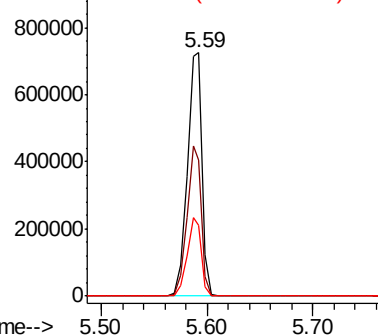


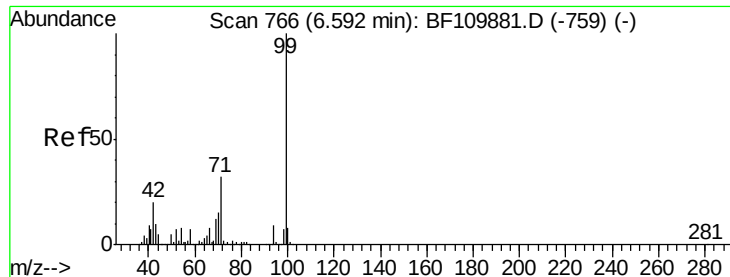
Abundance

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: 31.641 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

Instrument :

BNA_F

ClientSampleId :

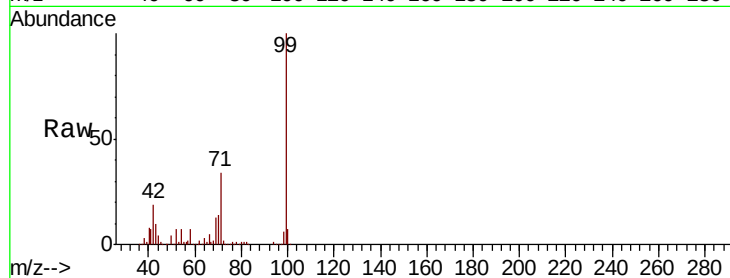
Tot Ion: 99 Resp: 571570

Ion Ratio Lower Upper

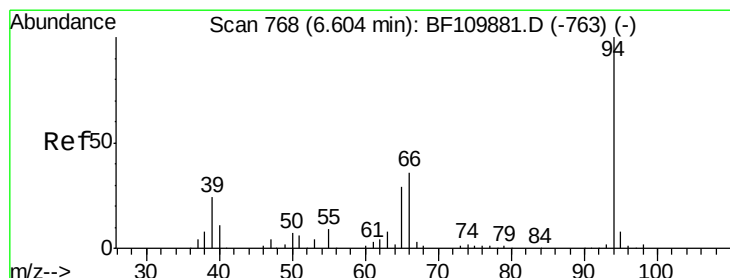
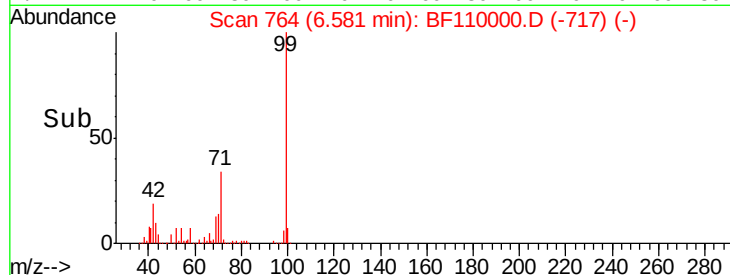
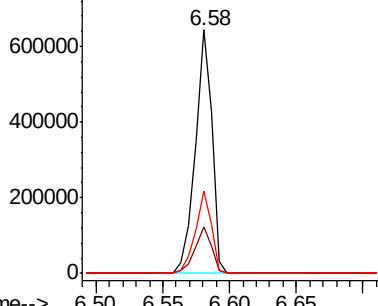
99 100

42 19.2 15.8 23.6

71 33.6 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



#10

Phenol

Concen: 3.278 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

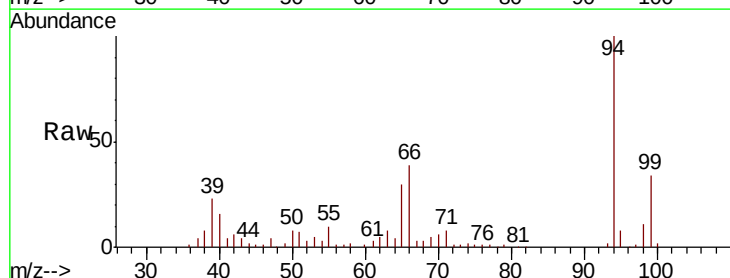
Tgt Ion: 94 Resp: 63939

Ion Ratio Lower Upper

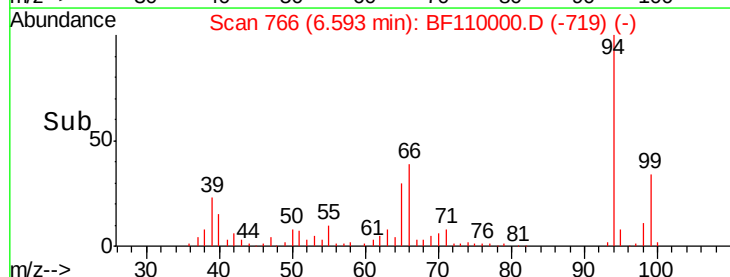
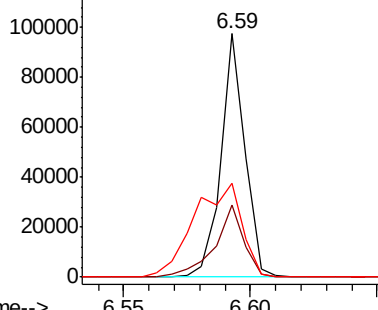
94 100

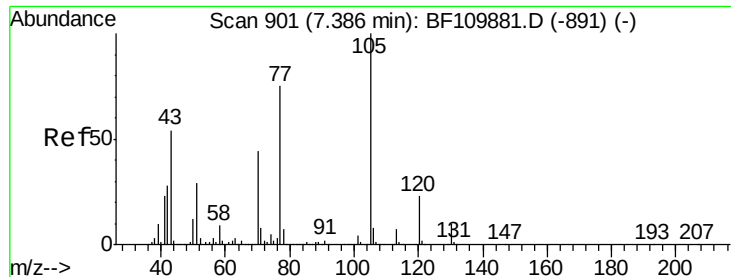
65 29.8 25.3 65.3

66 38.6 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.638 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 158178

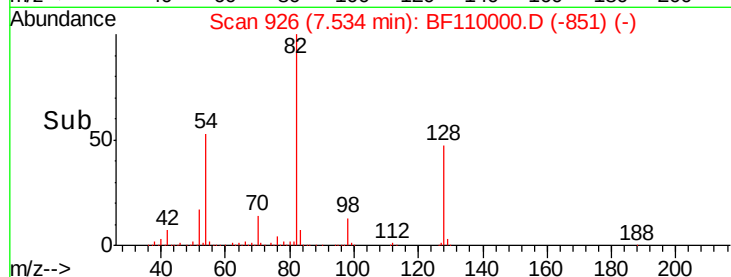
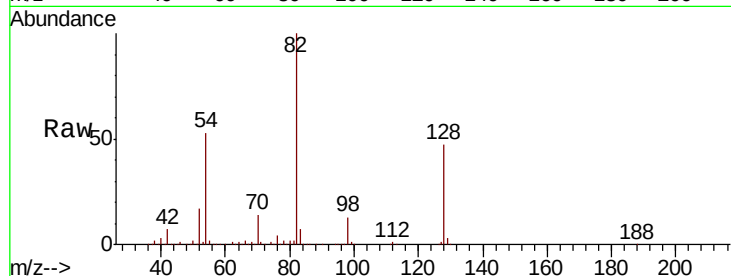
Ion Ratio Lower Upper

70 100

42 48.8 47.4 71.2

101 0.0 7.3 10.9#

130 1.8 16.2 24.2#

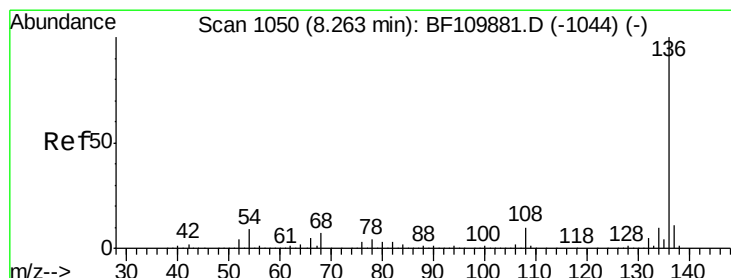
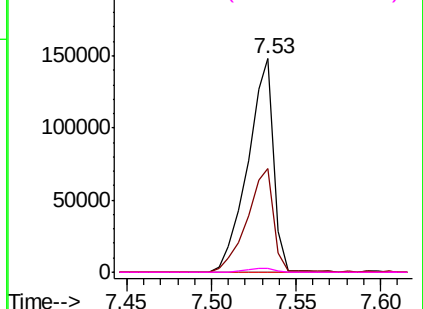


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

Tgt Ion:136 Resp: 914165

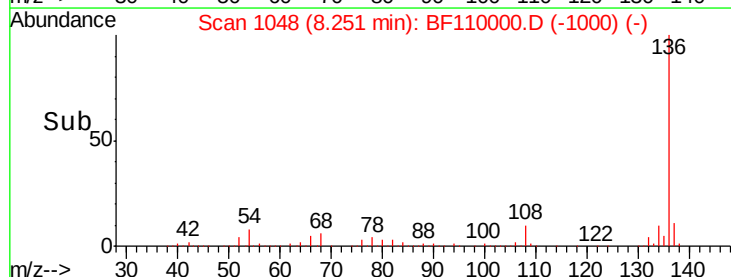
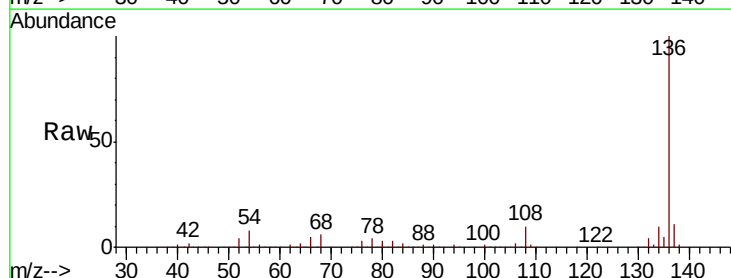
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.3 5.4 8.2#

68 5.8 4.2 6.2

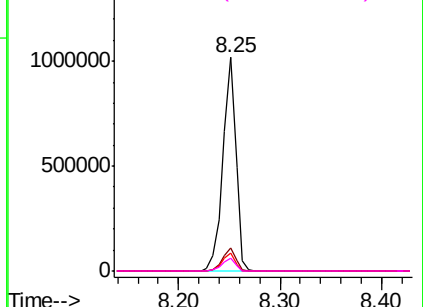


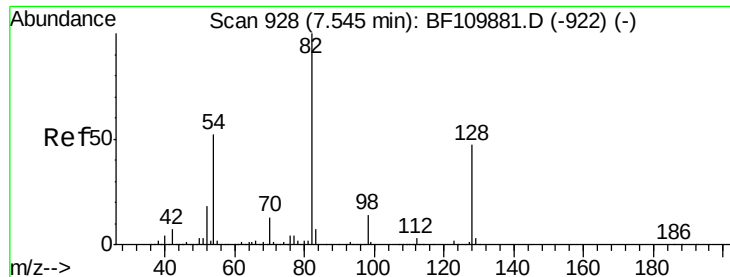
Abundance Ion 136.00 (135.70 to 136.70): E

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

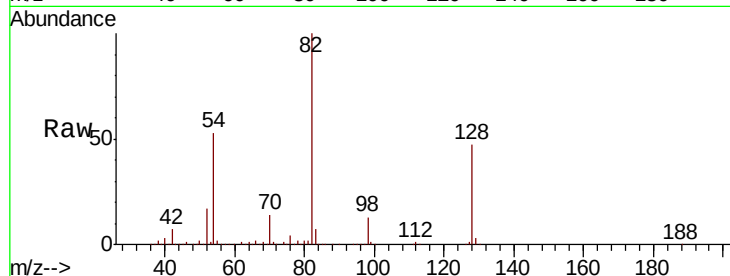




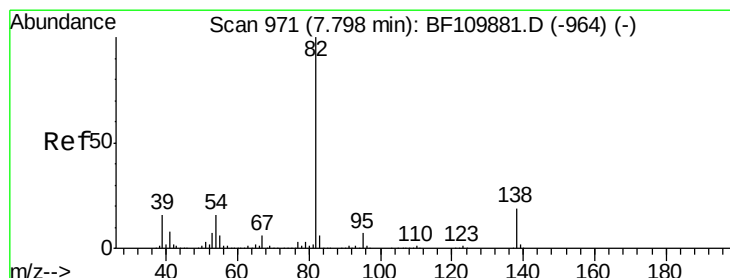
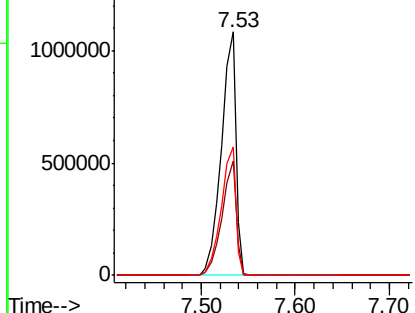
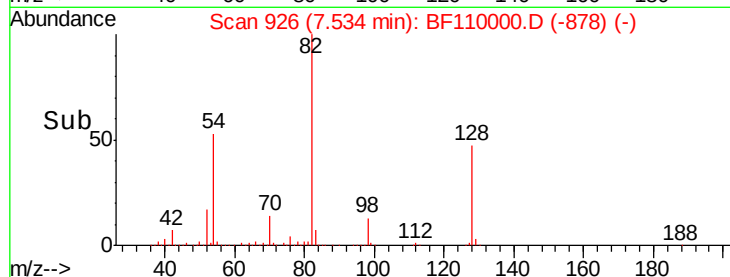
#23
Nitrobenzene-d5
Concen: 86.679 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1176278
Ion Ratio Lower Upper
82 100
128 47.2 34.2 51.2
54 52.9 38.6 58.0

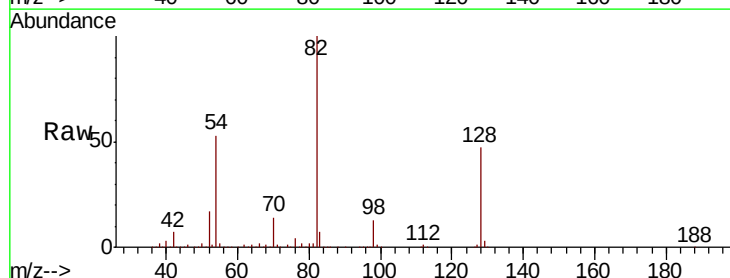


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

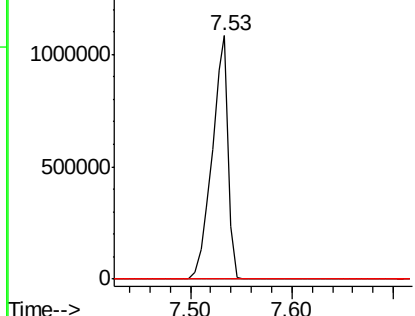
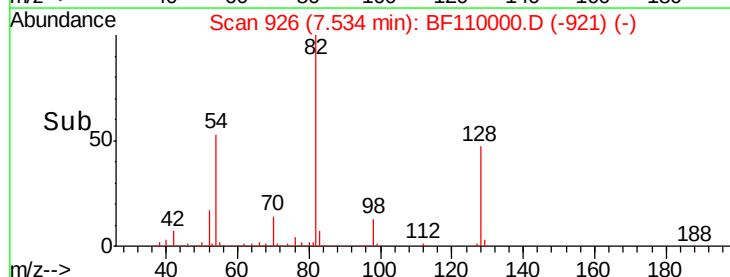


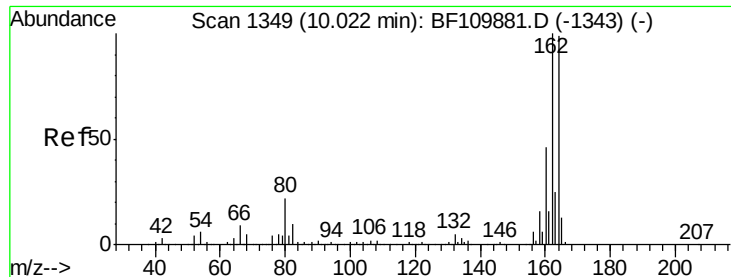
#25
Isophorone
Concen: 44.090 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Tgt Ion: 82 Resp: 1175644
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): BF1

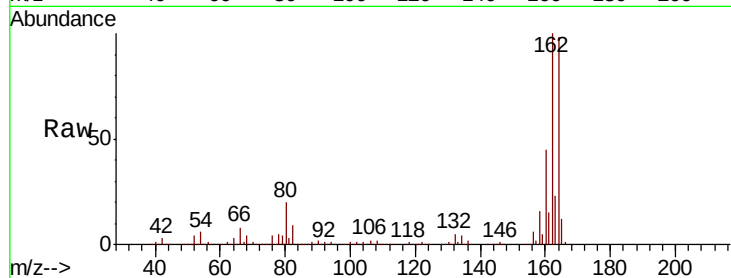




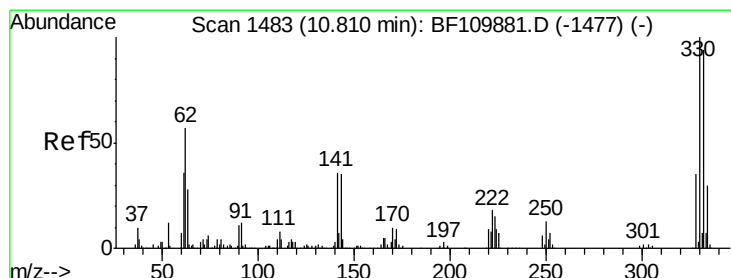
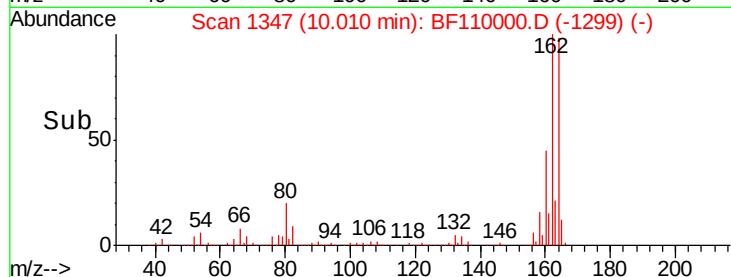
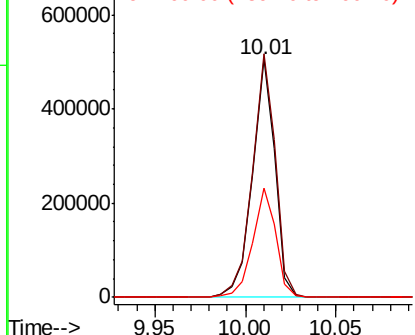
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF110000.D
 Acq: 19 Oct 2018 14:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 434302
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.0 124.6
 160 45.9 37.0 55.6

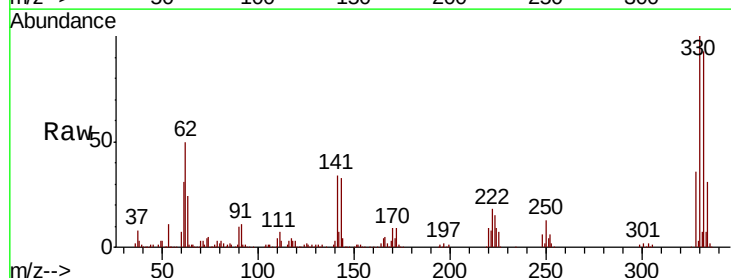


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

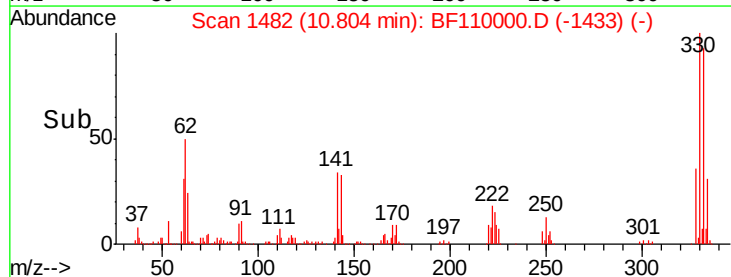
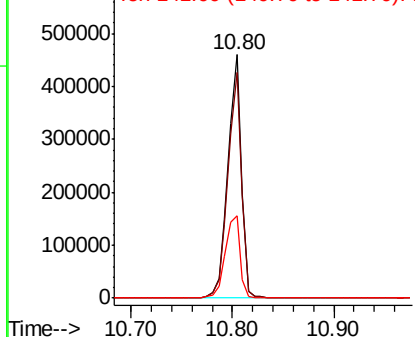


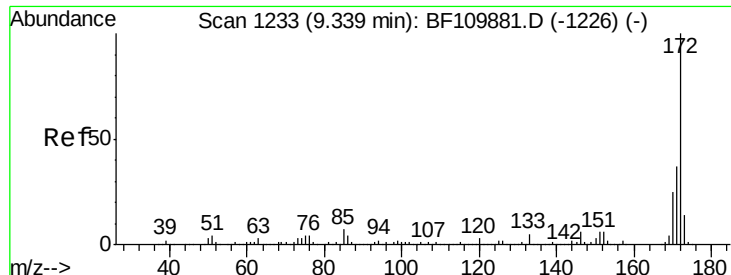
#42
 2,4,6-Tribromophenol
 Concen: 113.815 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110000.D
 Acq: 19 Oct 2018 14:14

Tgt Ion:330 Resp: 427954
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.1 115.7
 141 37.1 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

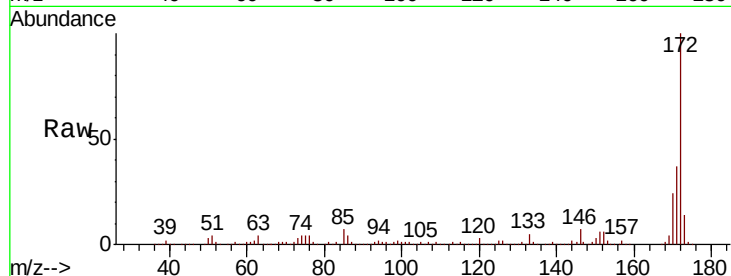




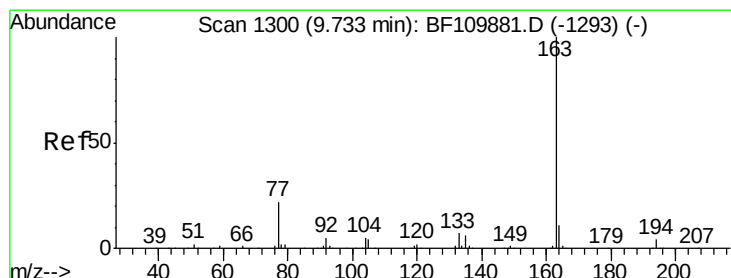
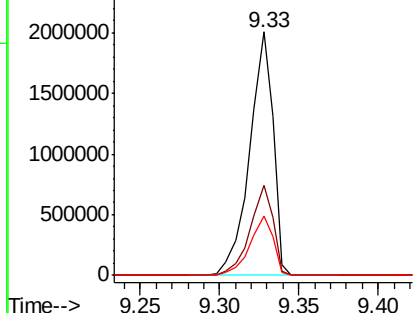
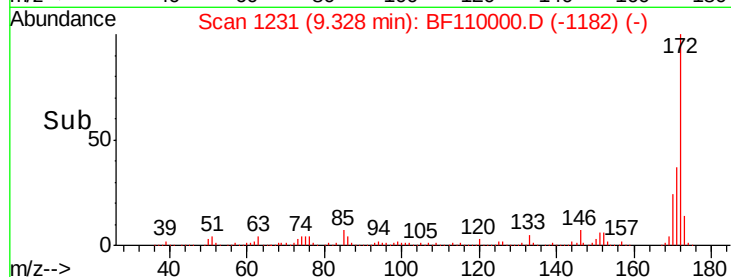
#45
2-Fluorobiphenyl
Concen: 75.682 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2059883
Ion Ratio Lower Upper
172 100
171 37.0 28.6 43.0
170 24.5 19.7 29.5

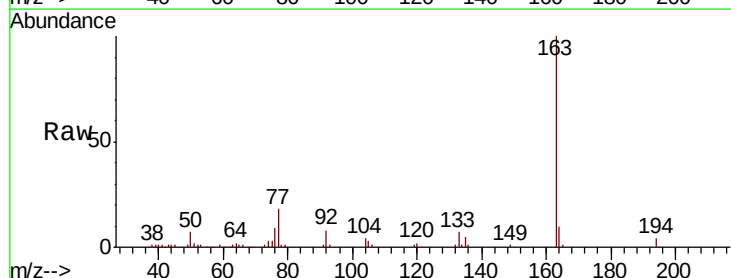


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

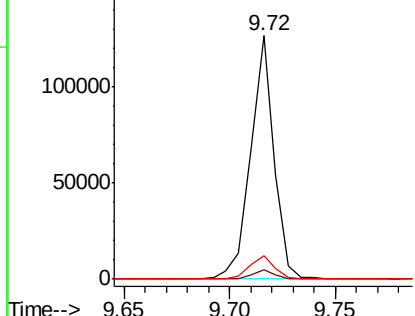
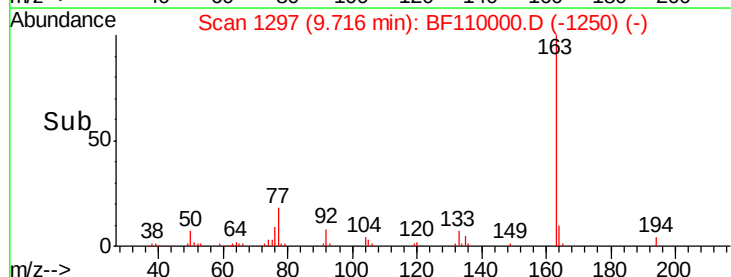


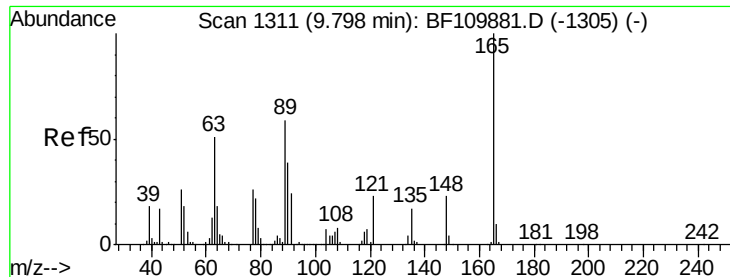
#50
Dimethylphthalate
Concen: 3.159 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Tgt Ion:163 Resp: 97162
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.8 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: 9.484 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

Instrument :

BNA_F

ClientSampleId :

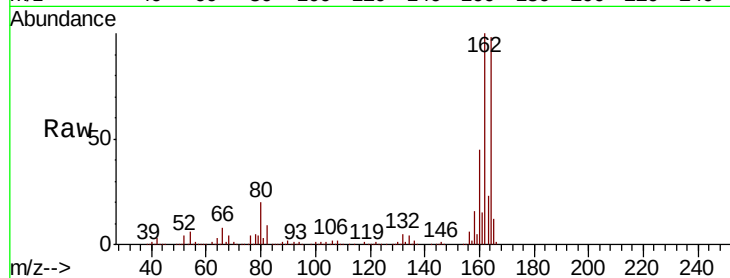
Tot Ion:165 Resp: 55394

Ion Ratio Lower Upper

165 100

63 1.9 48.9 73.3#

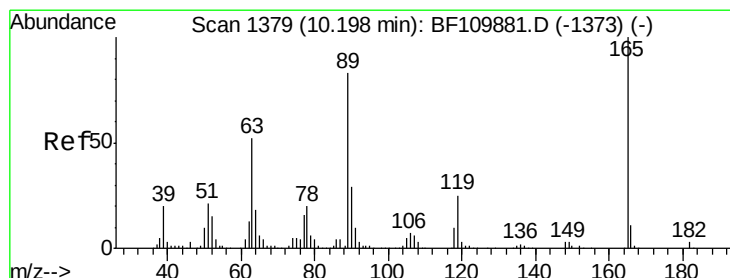
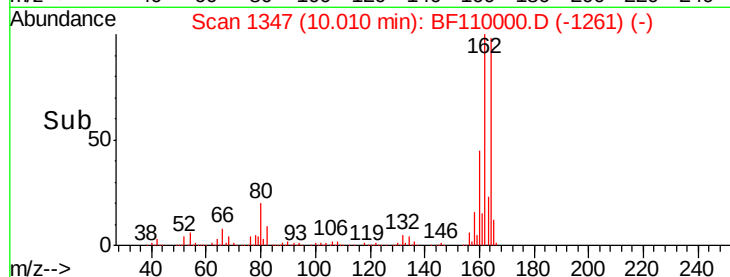
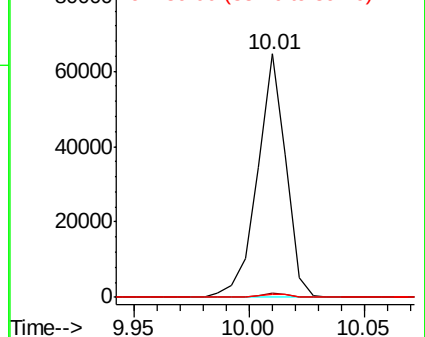
89 1.1 46.6 69.8#



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: 11.374 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

Tgt Ion:165 Resp: 55394

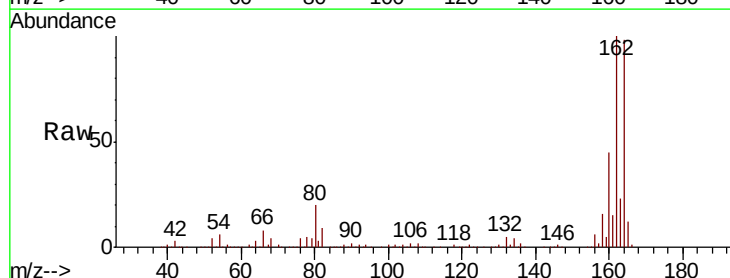
Ion Ratio Lower Upper

165 100

63 1.9 44.8 67.2#

89 1.1 62.2 93.4#

182 0.0 2.1 3.1#

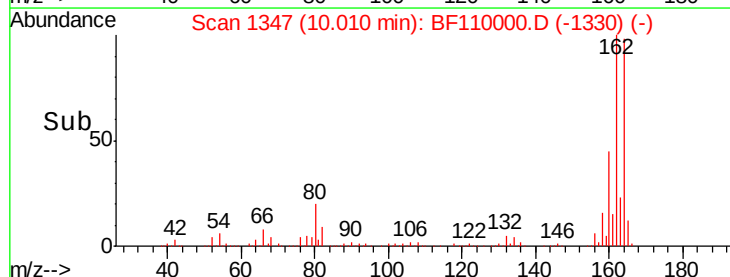
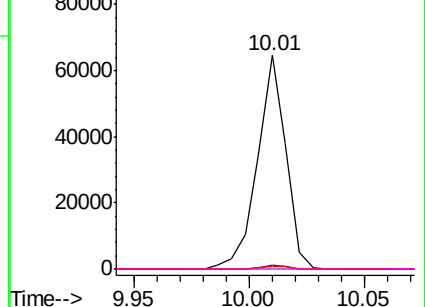


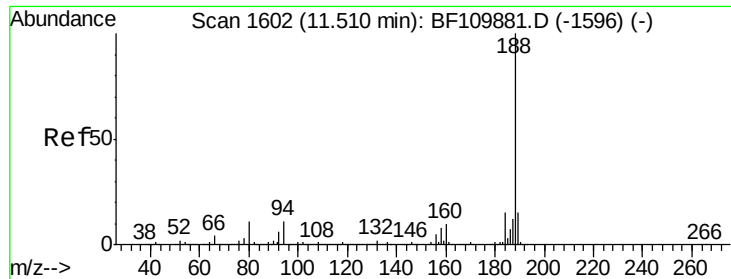
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF110000.D

Acq: 19 Oct 2018 14:14

Instrument :

BNA_F

ClientSampled :

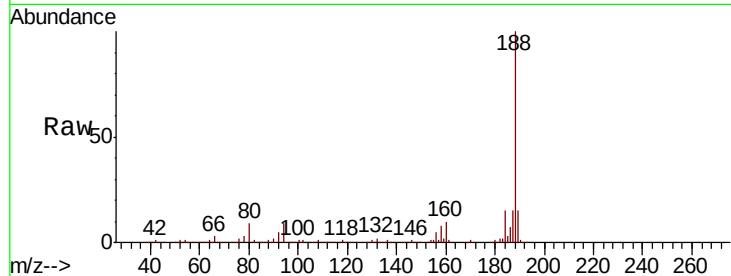
Tot Ion:188 Resp: 772107

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

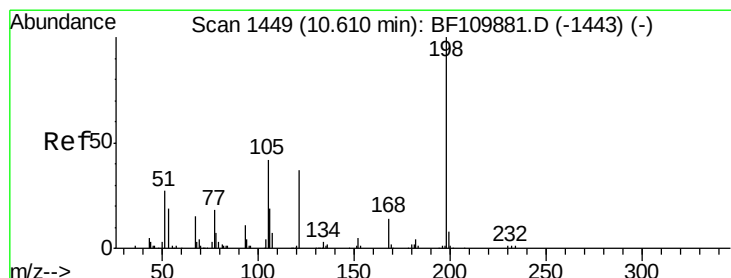
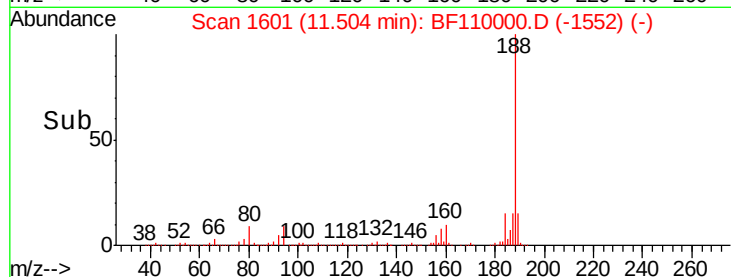
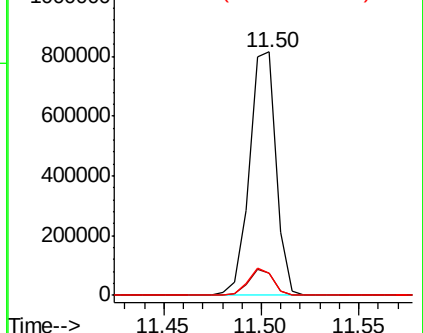
80 9.2 7.9 11.9



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: 8.215 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF110000.D

Acq: 19 Oct 2018 14:14

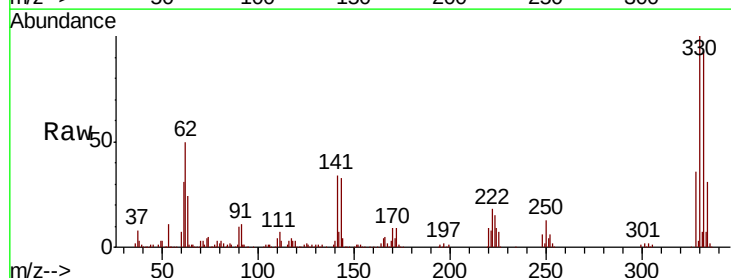
Tgt Ion:198 Resp: 1039

Ion Ratio Lower Upper

198 100

51 176.7 22.8 62.8#

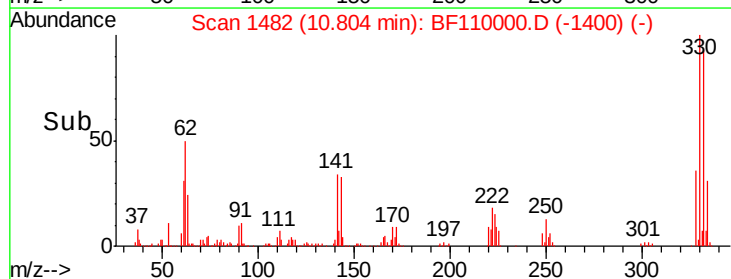
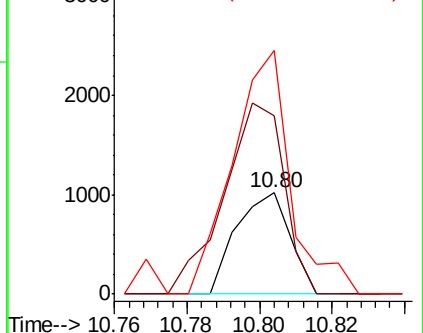
105 241.1 23.6 63.6#

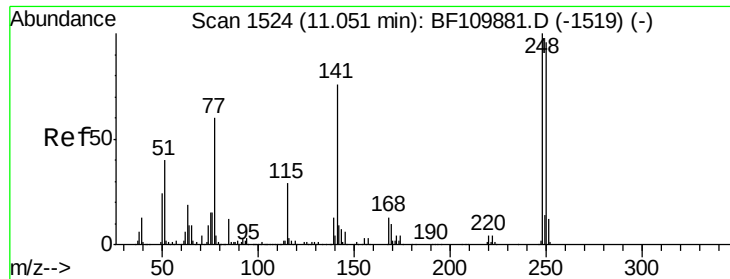


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

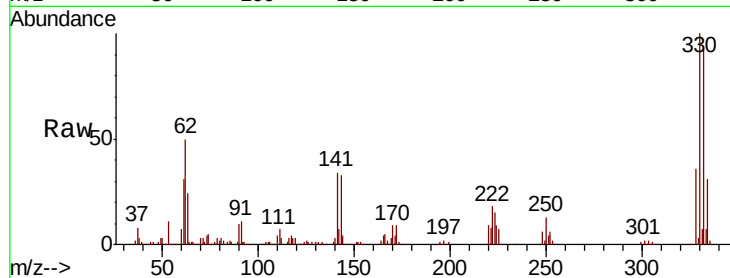




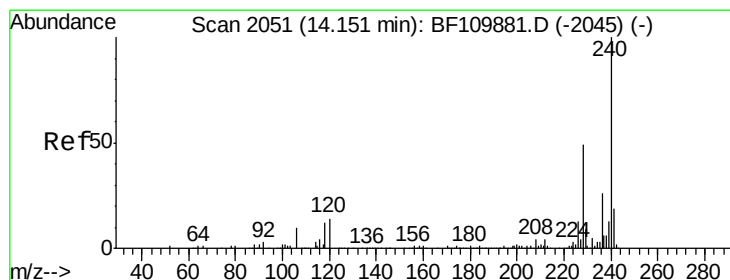
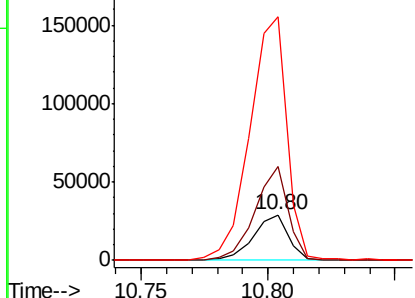
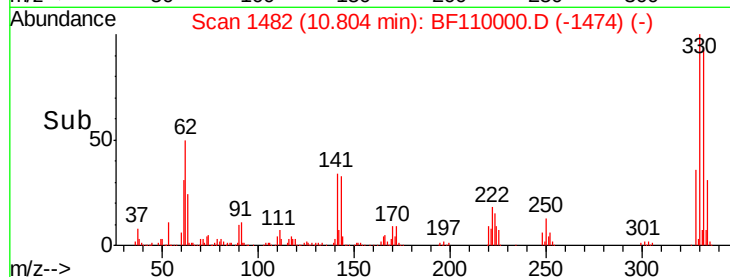
#67
4-Bromophenyl-phenylether
Concen: 3.315 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 27739
Ion Ratio Lower Upper
248 100
250 206.1 79.4 119.2#
141 536.9 55.9 83.9#

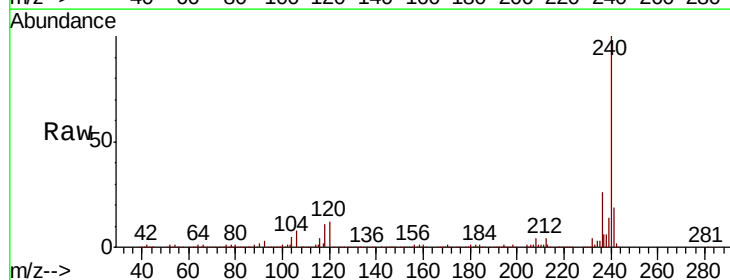


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

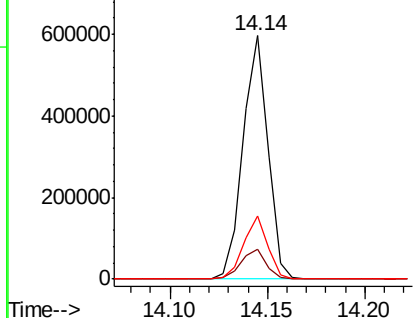
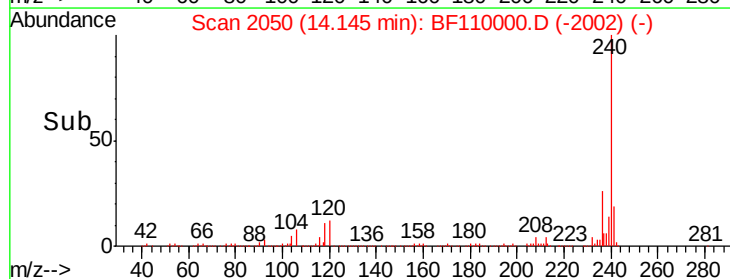


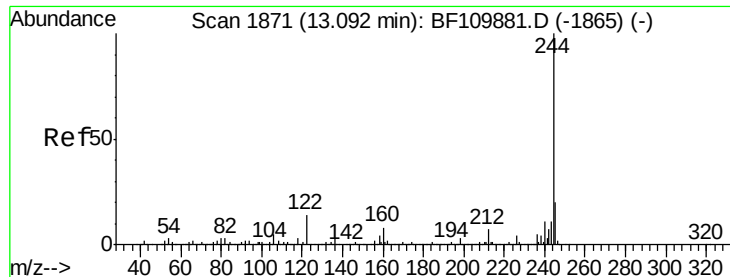
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110000.D
Acq: 19 Oct 2018 14:14

Tgt Ion:240 Resp: 527027
Ion Ratio Lower Upper
240 100
120 12.1 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



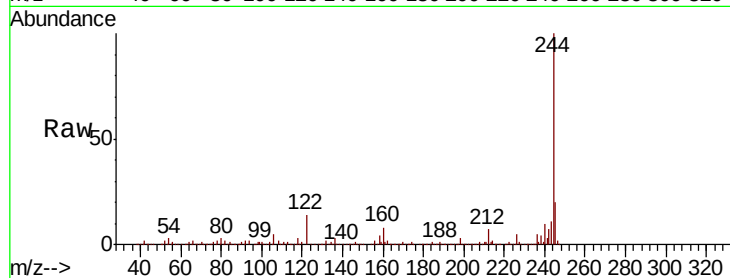


#79
 Terphenyl-d14
 Concen: 73.226 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110000.D
 Acq: 19 Oct 2018 14:14

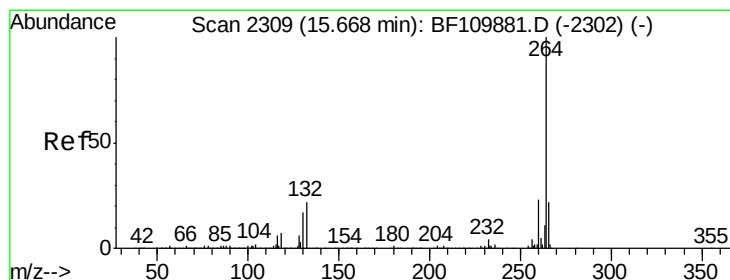
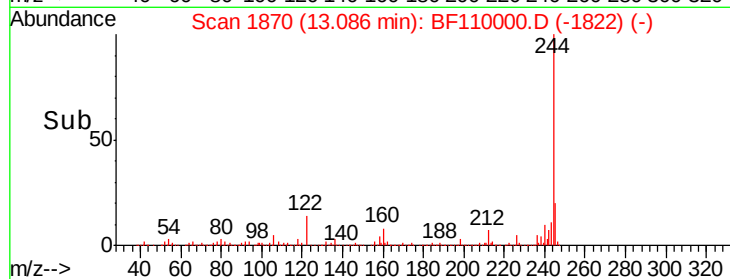
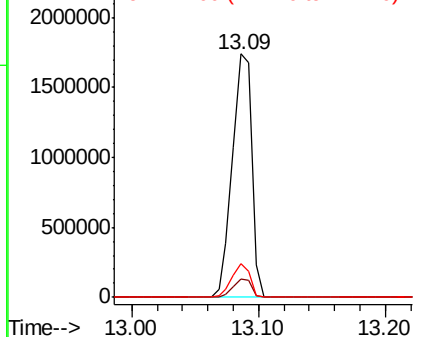
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1837785

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	13.9	8.7	13.1



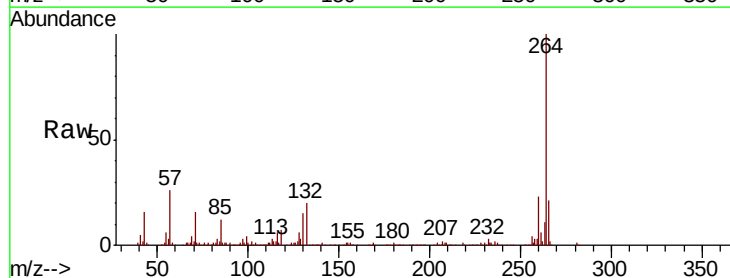
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.03 min
 Lab File: BF110000.D
 Acq: 19 Oct 2018 14:14

Tgt Ion:264 Resp: 359024

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	21.4	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

