

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109949.D
 Acq On : 18 Oct 2018 4:25
 Operator : JU/SJ
 Sample : J5543-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:44:47 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

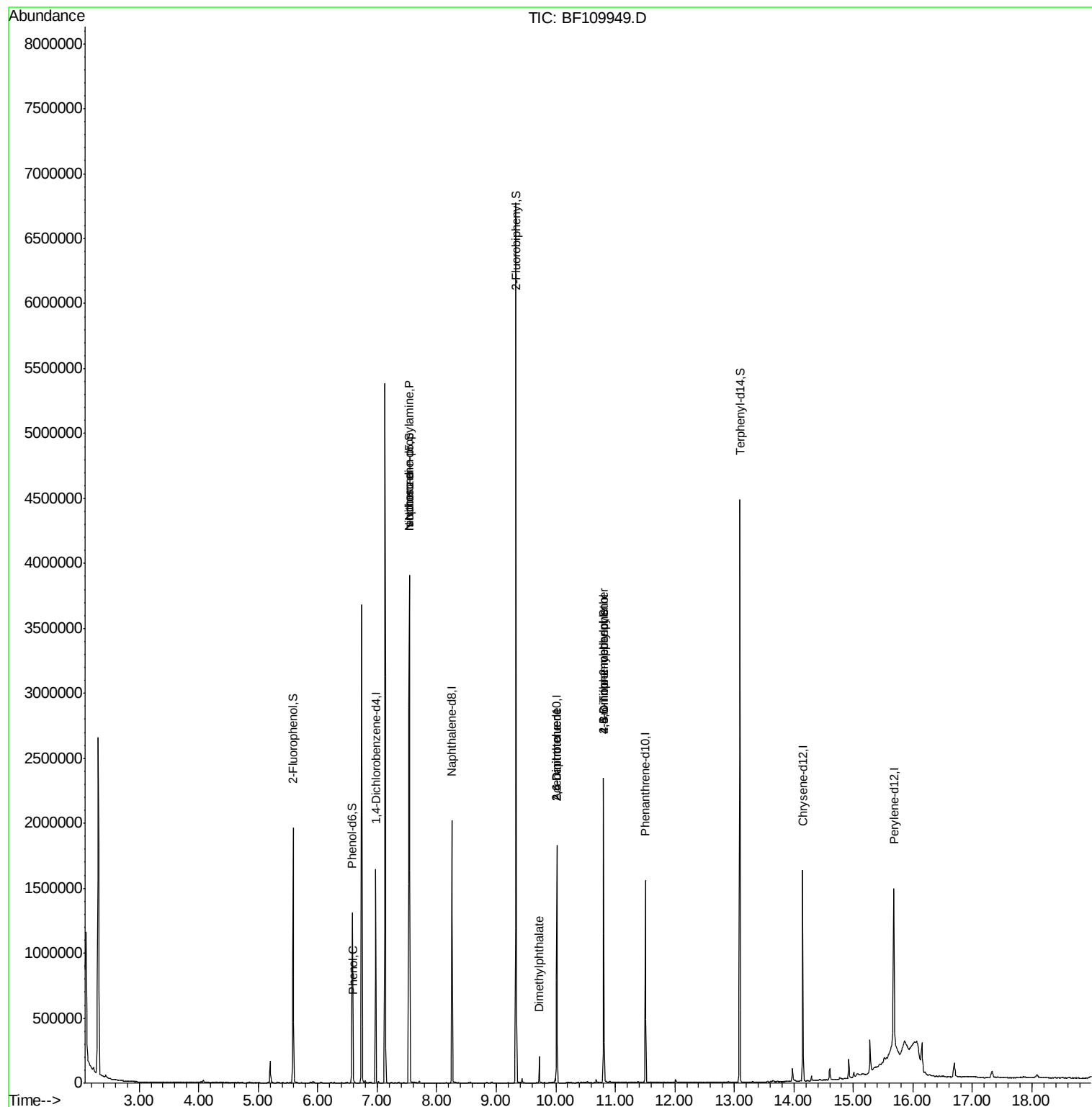
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	210421	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	817037	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	338980	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	530863	20.00	ng	0.00
76) Chrysene-d12	14.15	240	506875	20.00	ng	-0.01
87) Perylene-d12	15.68	264	507499	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	558601	42.08	ng	0.00
7) Phenol-d6	6.58	99	417481	25.33	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1277620	105.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	262369	89.40	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	2157141	101.54	ng	0.00
79) Terphenyl-d14	13.09	244	1525797	63.21	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	45465	2.555	ng	# 59
19) n-Nitroso-di-n-propylamine	7.54	70	168876	15.956	ng	# 81
25) Isophorone	7.54	82	1277753	53.616	ng	# 67
50) Dimethylphthalate	9.72	163	66213	2.759	ng	# 99
51) 2,6-Dinitrotoluene	10.02	165	42696	9.365	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	42696	11.289	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	569	8.152	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	16916	2.940	ng	# 1

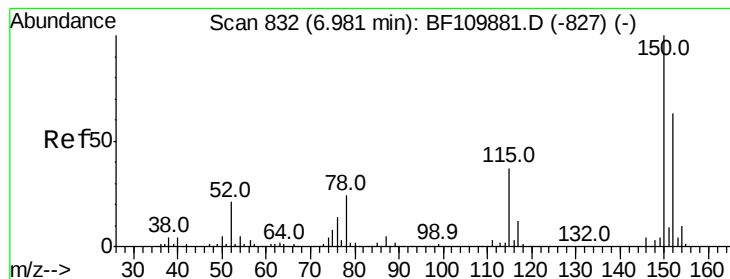
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 10:44:47 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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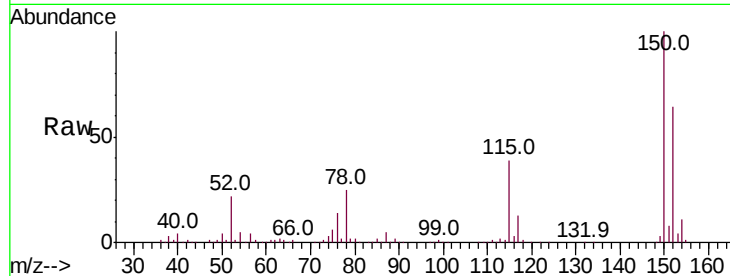


#1

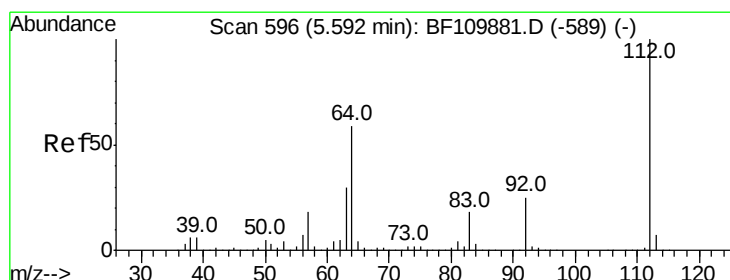
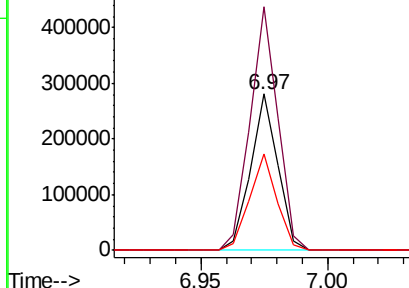
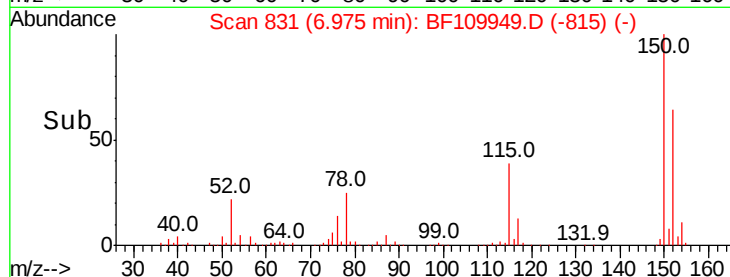
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 210421
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 61.3 49.1 73.7



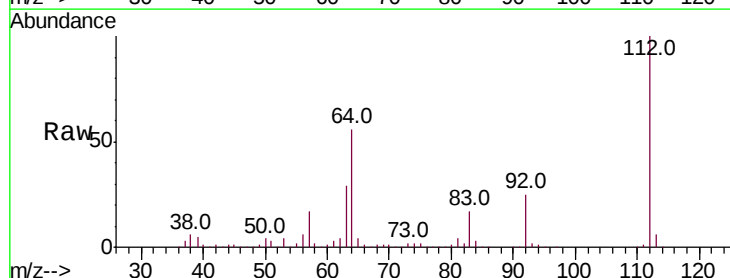
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



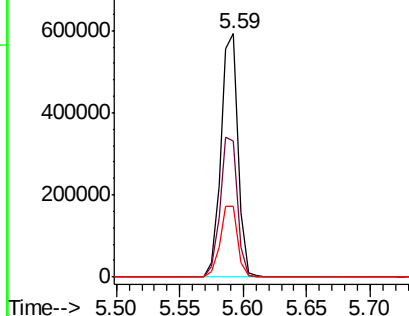
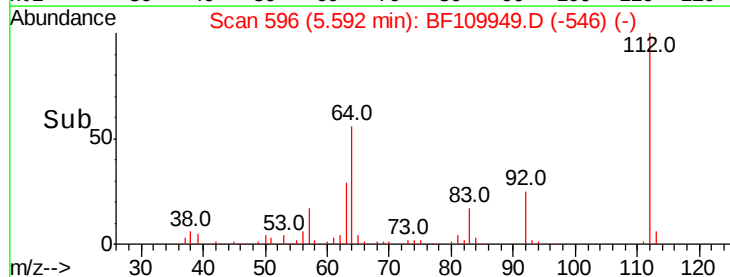
#5

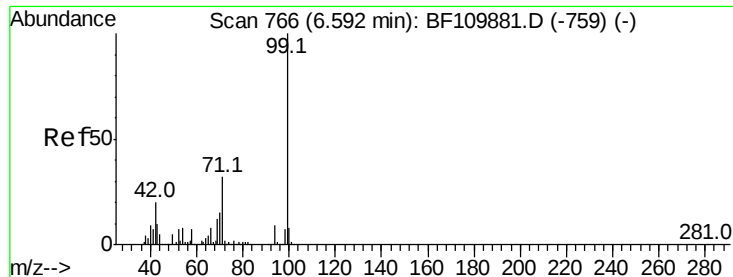
2-Fluorophenol
Concen: 42.080 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Tgt Ion:112 Resp: 558601
Ion Ratio Lower Upper
112 100
64 56.0 44.1 66.1
63 28.9 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: 25.327 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Instrument :

BNA_F

ClientSampleId :

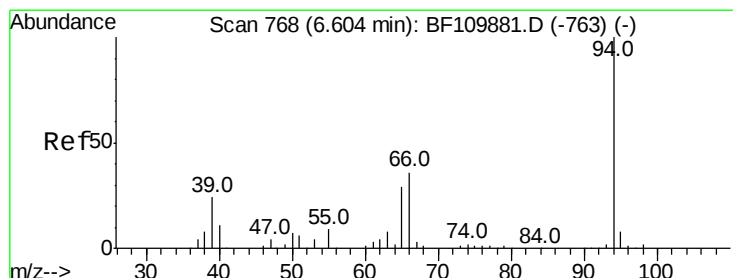
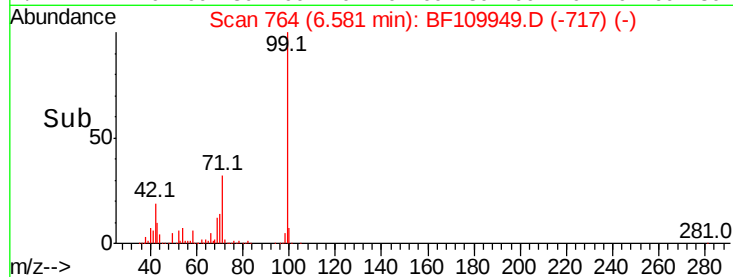
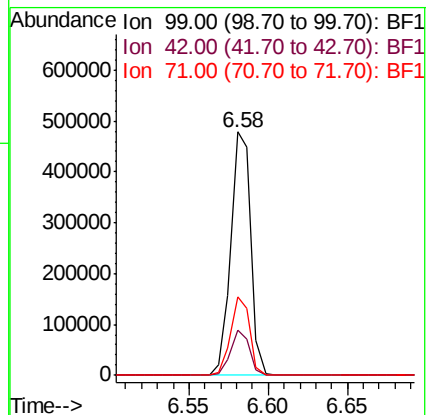
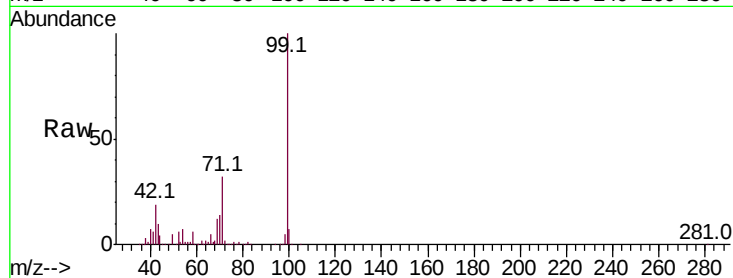
Tot Ion: 99 Resp: 417481

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 32.3 28.0 42.0



#10

Phenol

Concen: 2.555 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

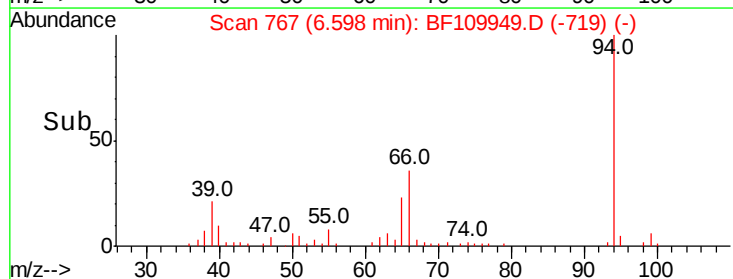
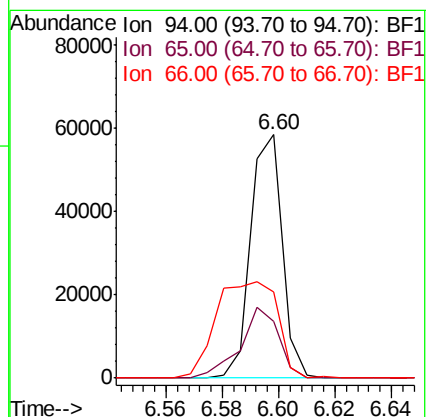
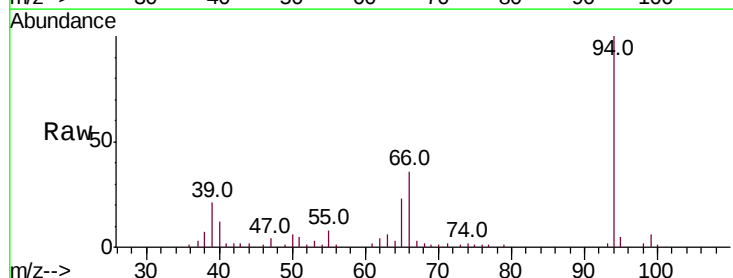
Tgt Ion: 94 Resp: 45465

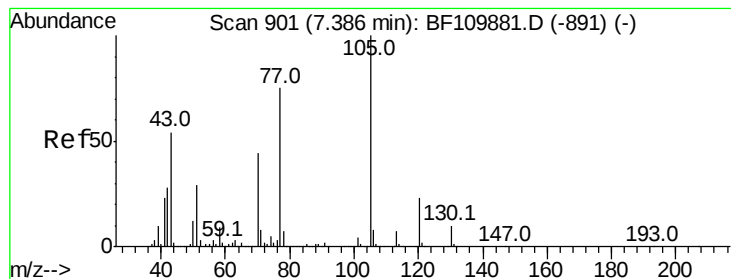
Ion Ratio Lower Upper

94 100

65 23.5 25.3 65.3#

66 35.6 54.5 94.5#





#19

n-Nitroso-di-n-propylamine

Concen: 15.956 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 168876

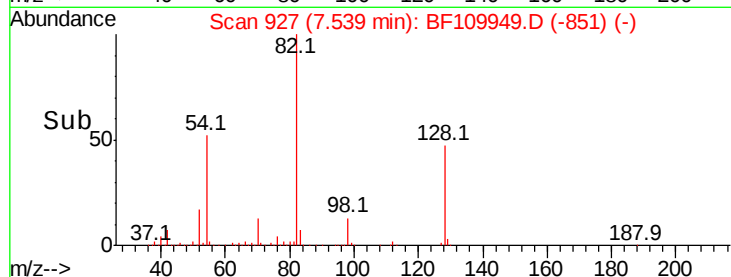
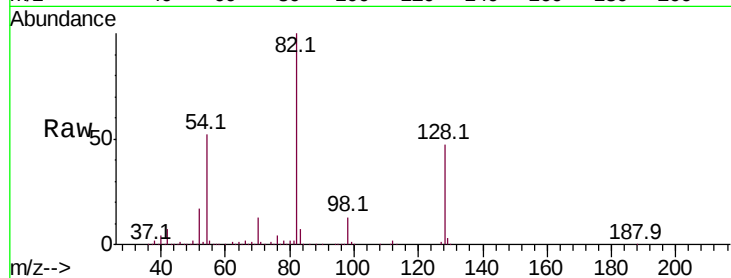
Ion Ratio Lower Upper

70 100

42 50.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#

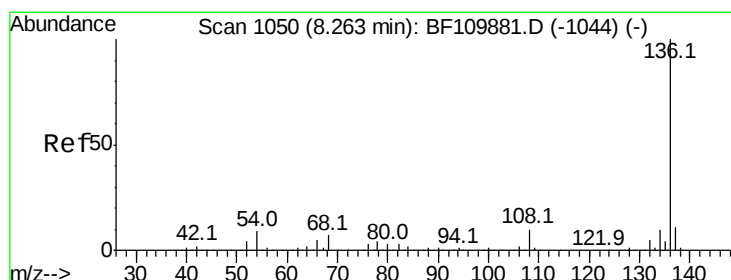
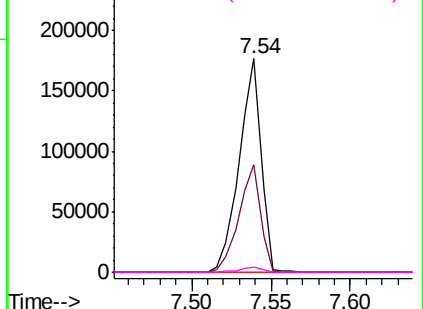


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Tgt Ion:136 Resp: 817037

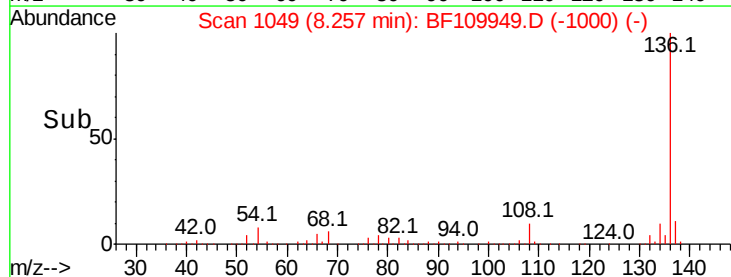
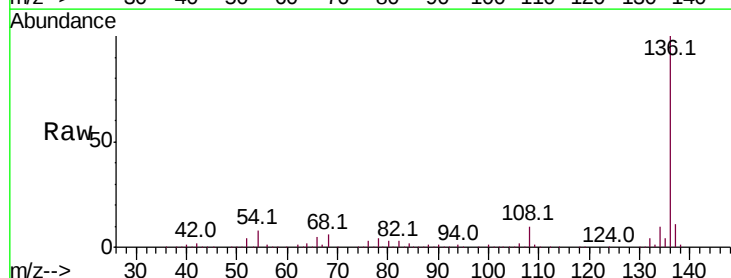
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.3 5.4 8.2#

68 6.3 4.2 6.2#

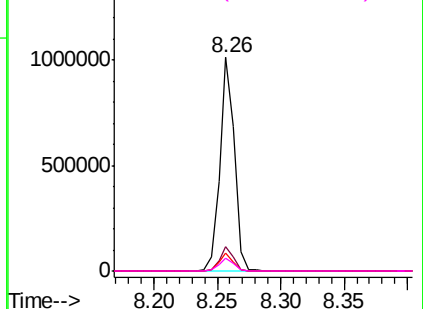


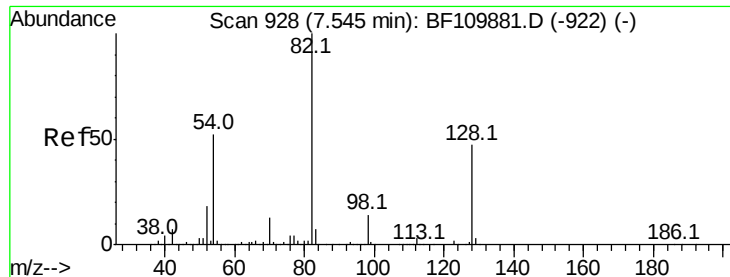
Abundance Ion 136.00 (135.70 to 136.70): E

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

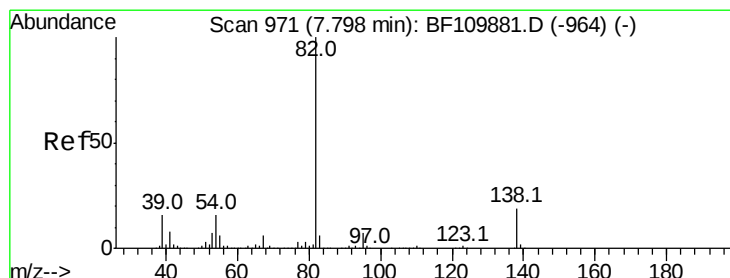
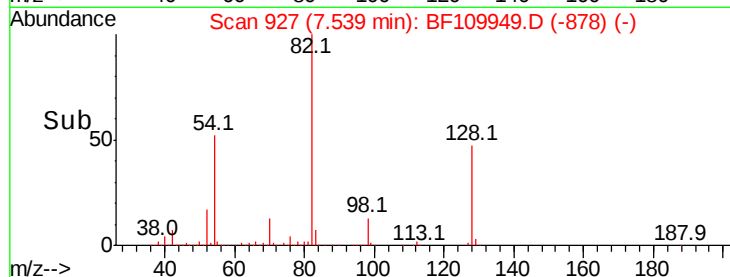
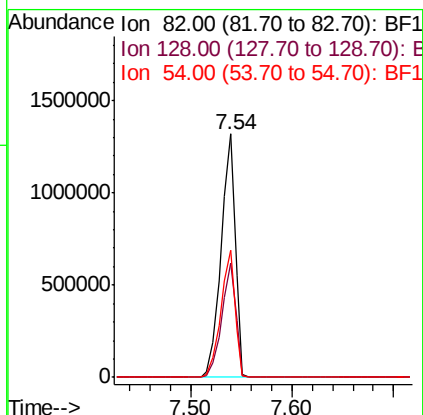
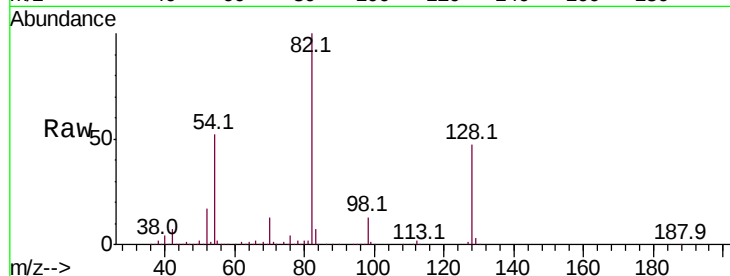




#23
Nitrobenzene-d5
Concen: 105.339 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

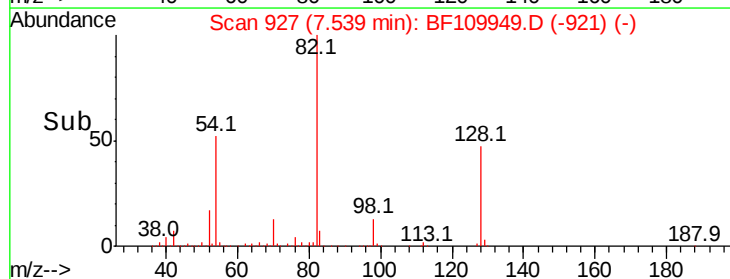
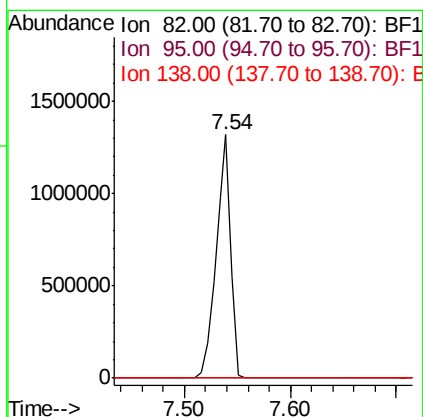
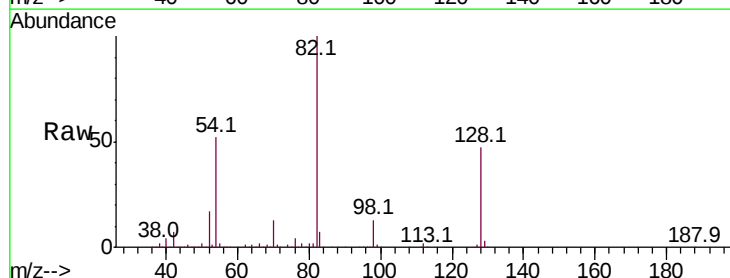
Instrument :
BNA_F
ClientSampleId :

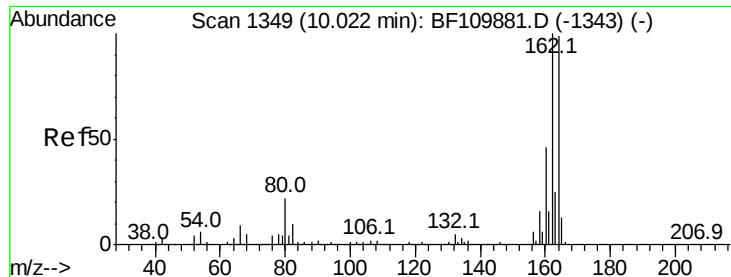
Tot Ion: 82 Resp: 1277620
Ion Ratio Lower Upper
82 100
128 46.9 34.2 51.2
54 52.3 38.6 58.0



#25
Isophorone
Concen: 53.616 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Tgt Ion: 82 Resp: 1277753
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

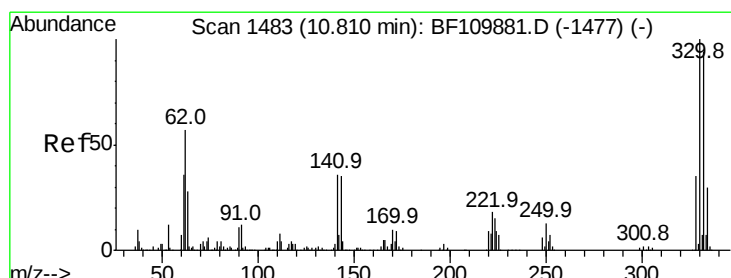
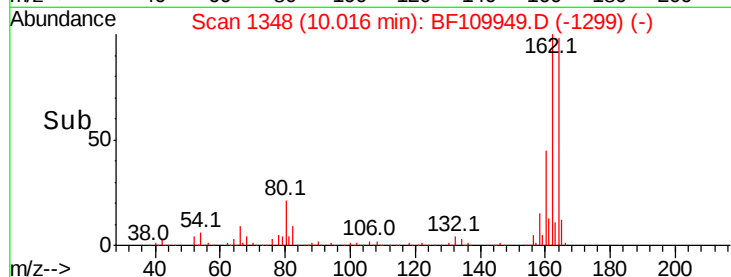
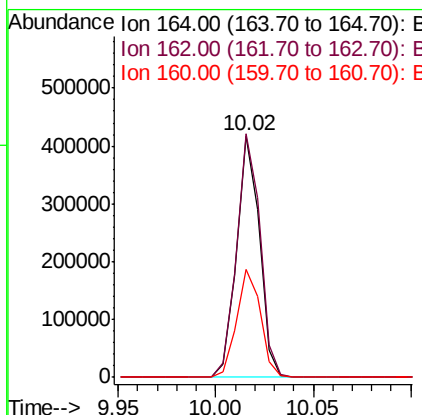
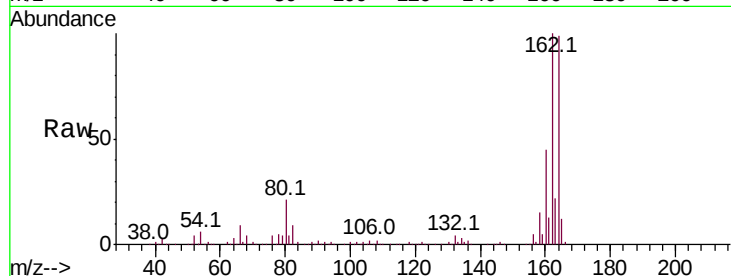




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

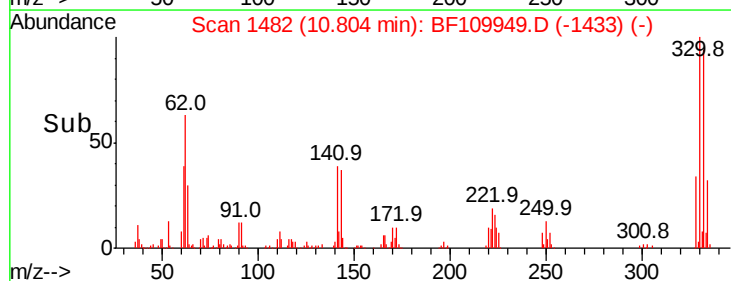
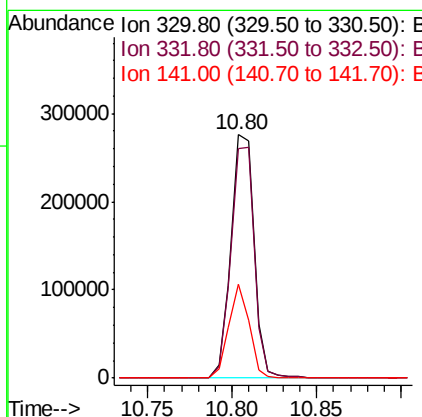
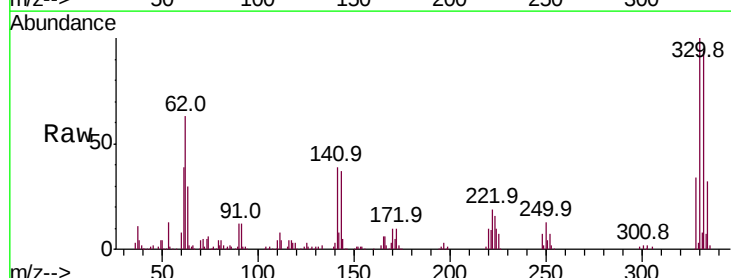
Instrument :
BNA_F
ClientSampleId :

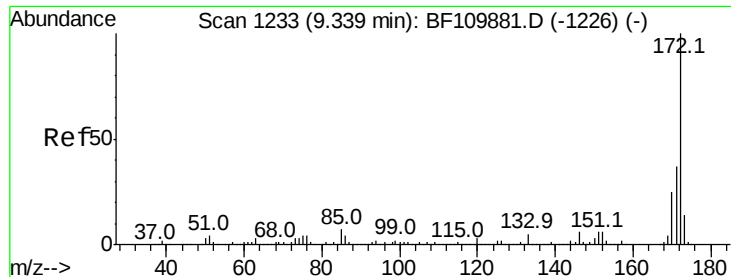
Tot Ion:164 Resp: 338980
Ion Ratio Lower Upper
164 100
162 100.9 83.0 124.6
160 45.0 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 89.399 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Tgt Ion:330 Resp: 262369
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 34.5 27.0 40.4

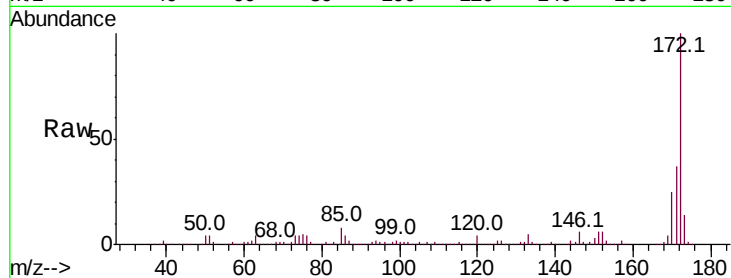




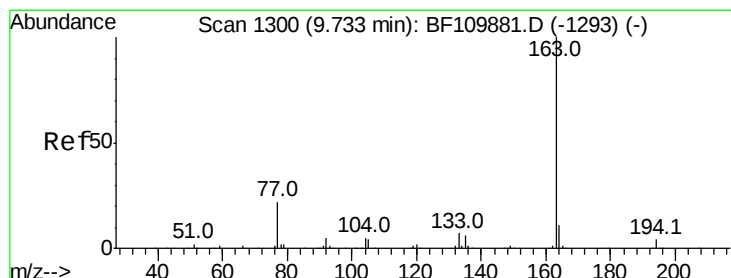
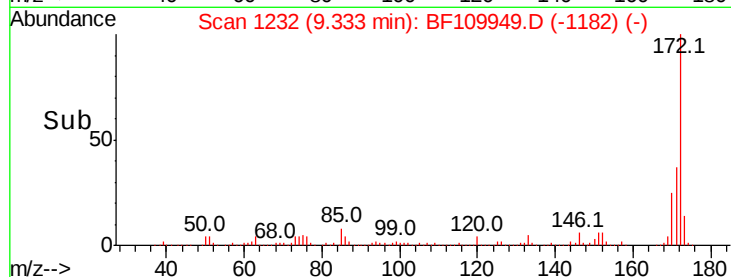
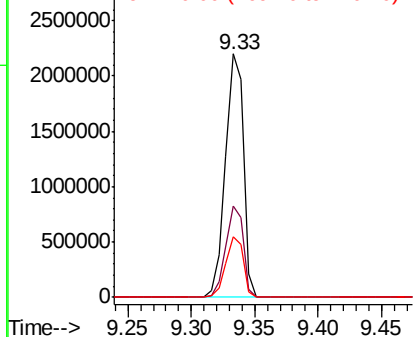
#45
2-Fluorobiphenyl
Concen: 101.541 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 2157141
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 25.0 19.7 29.5

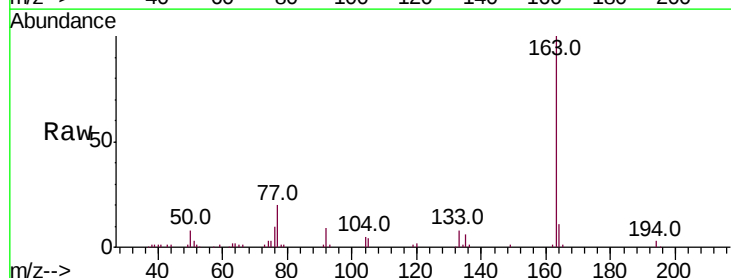


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

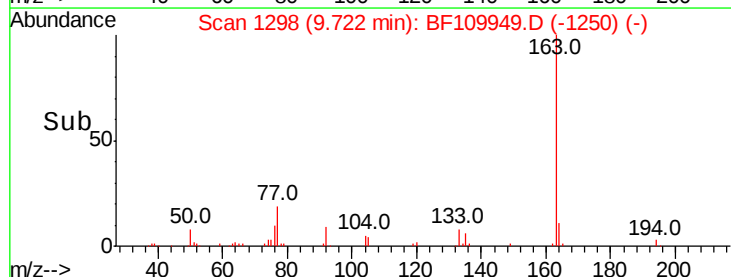
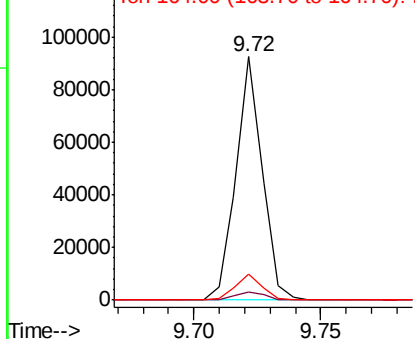


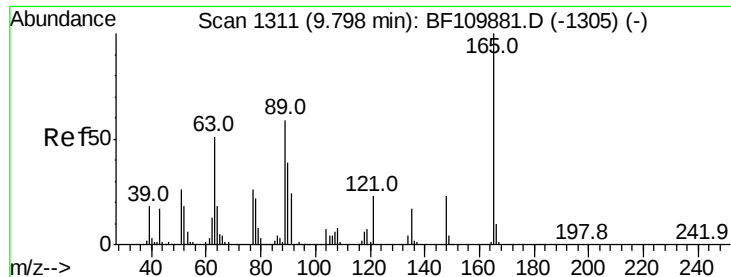
#50
Dimethylphthalate
Concen: 2.759 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Tgt Ion:163 Resp: 66213
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.6 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: 9.365 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.21 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Instrument :

BNA_F

ClientSampleId :

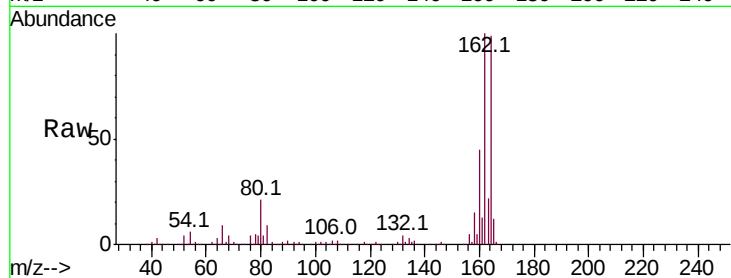
Tot Ion:165 Resp: 42696

Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

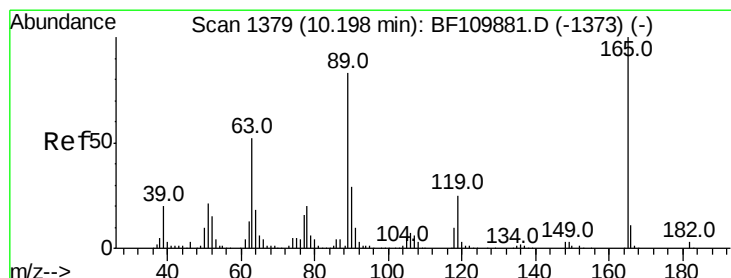
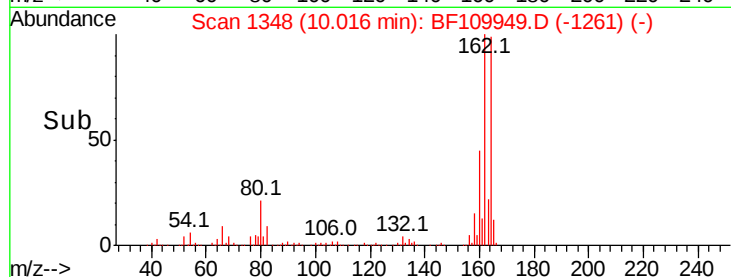
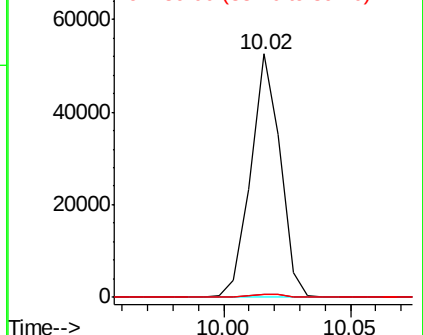
89 1.2 46.6 69.8#



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: 11.289 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Tgt Ion:165 Resp: 42696

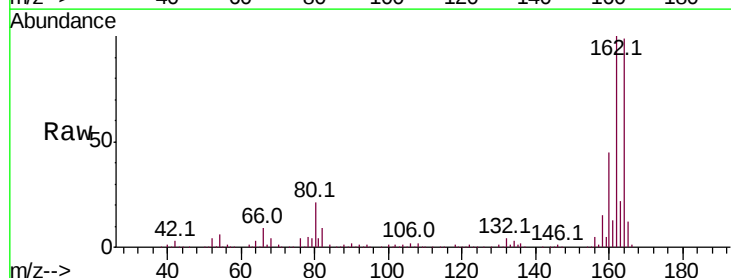
Ion Ratio Lower Upper

165 100

63 1.5 44.8 67.2#

89 1.2 62.2 93.4#

182 0.0 2.1 3.1#

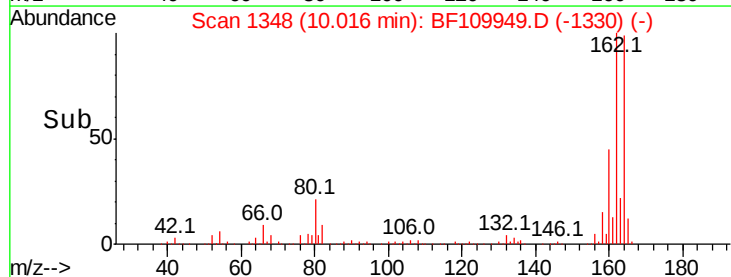
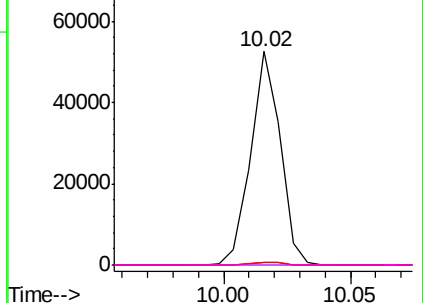


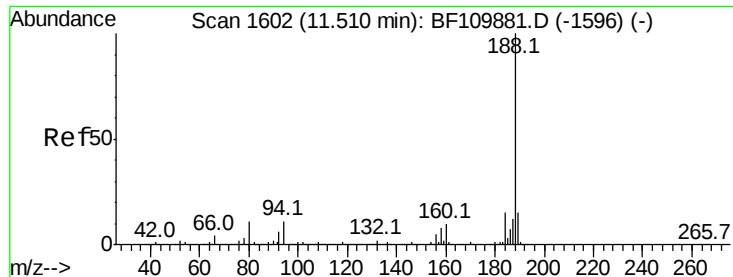
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

Instrument :

BNA_F

ClientSampleId :

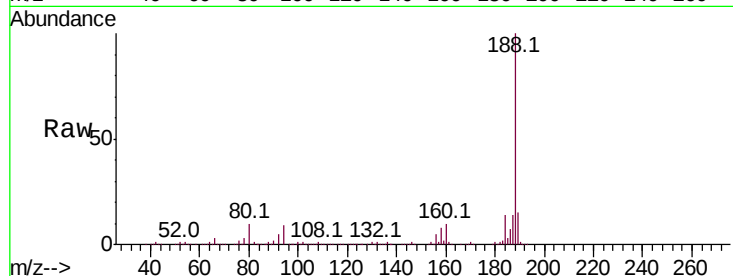
Tot Ion:188 Resp: 530863

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 9.6 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

800000

600000

400000

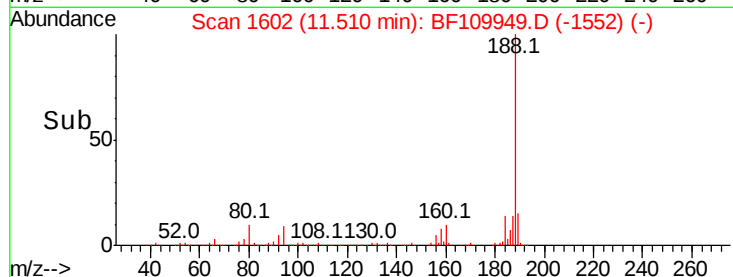
200000

0

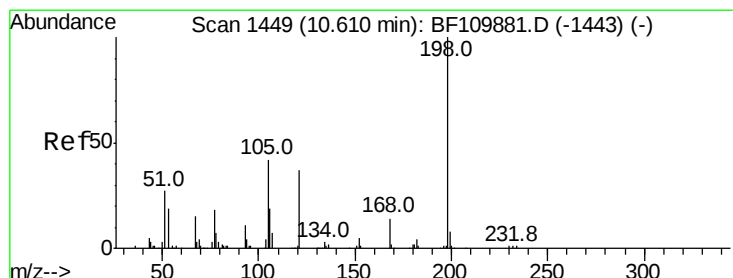
11.45

11.50

11.55



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.152 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.18 min

Lab File: BF109949.D

Acq: 18 Oct 2018 4:25

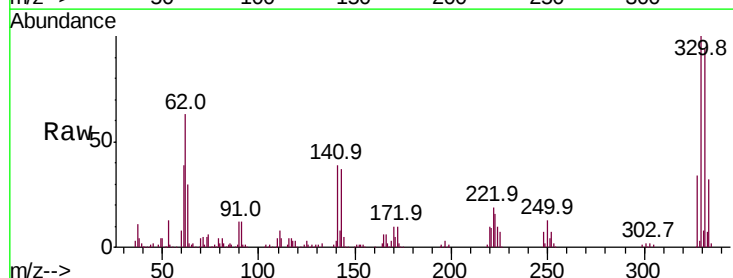
Tgt Ion:198 Resp: 569

Ion Ratio Lower Upper

198 100

51 167.1 22.8 62.8#

105 175.7 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

1500

1000

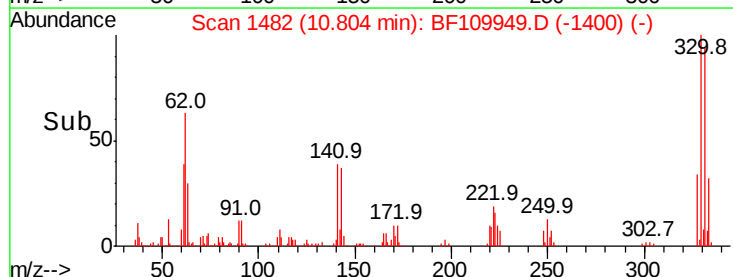
500

0

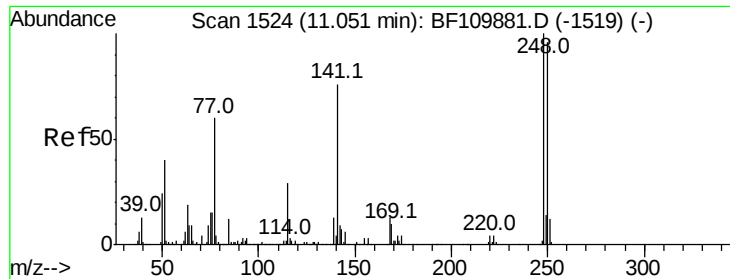
10.78

10.80

10.82



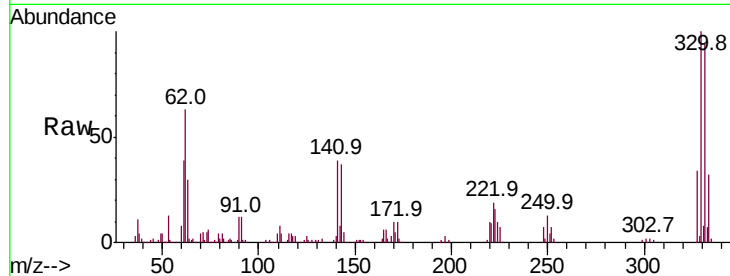
Time-->



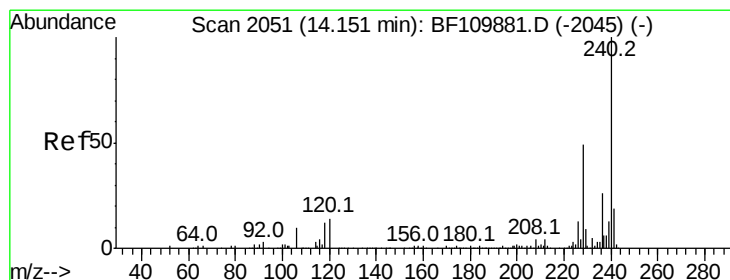
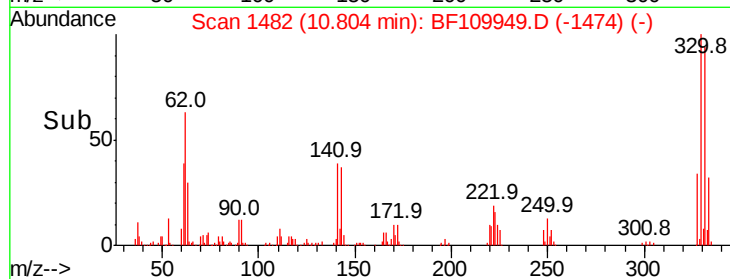
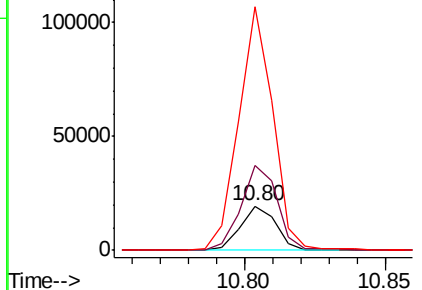
#67
4-Bromophenyl-phenylether
Concen: 2.940 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16916
Ion Ratio Lower Upper
248 100
250 191.1 79.4 119.2#
141 550.1 55.9 83.9#

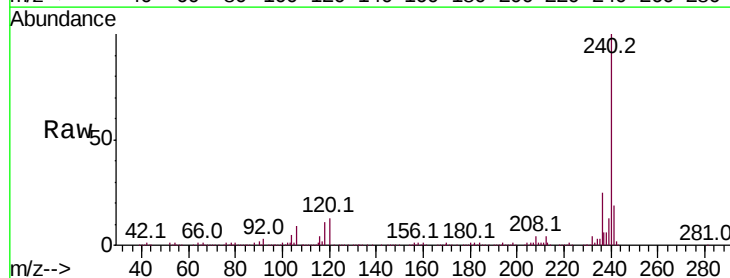


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

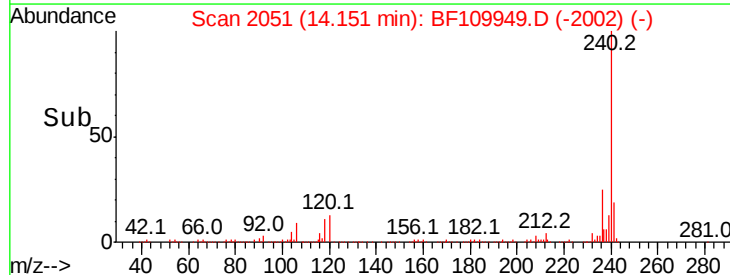
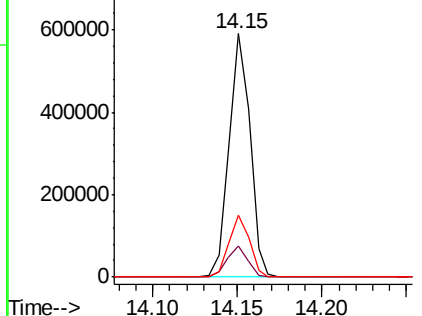


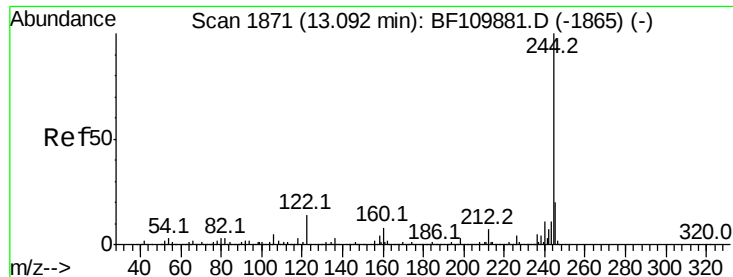
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF109949.D
Acq: 18 Oct 2018 4:25

Tgt Ion:240 Resp: 506875
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



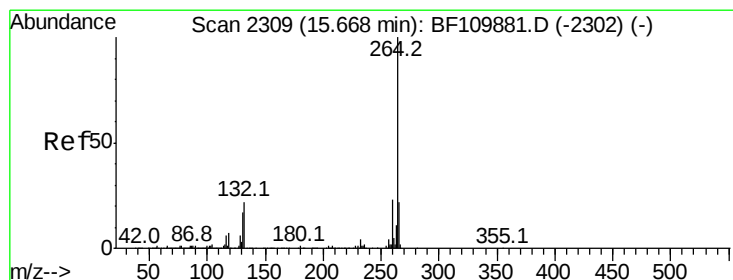
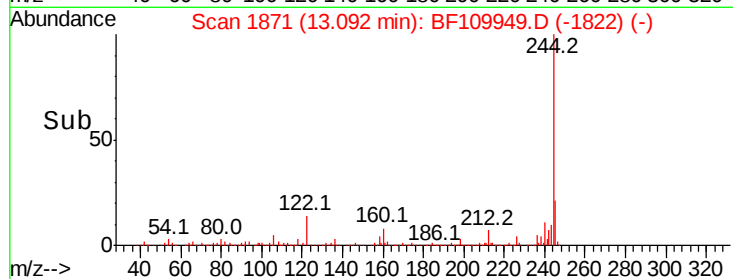
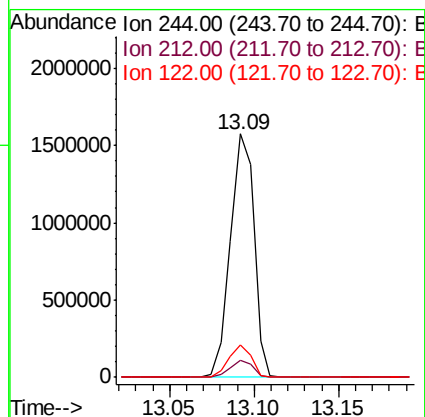
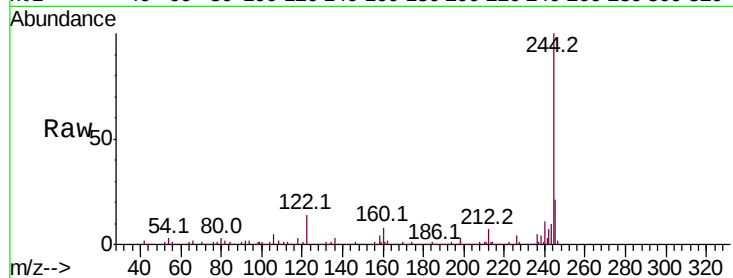


#79
 Terphenyl-d14
 Concen: 63.212 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF109949.D
 Acq: 18 Oct 2018 4:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1525797

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.6	8.7	13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: BF109949.D
 Acq: 18 Oct 2018 4:25

Tgt Ion:264 Resp: 507499

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	20.5	16.7	25.1

