

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110055.D
 Acq On : 22 Oct 2018 18:05
 Operator : JU/SJ
 Sample : J5601-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:10:13 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

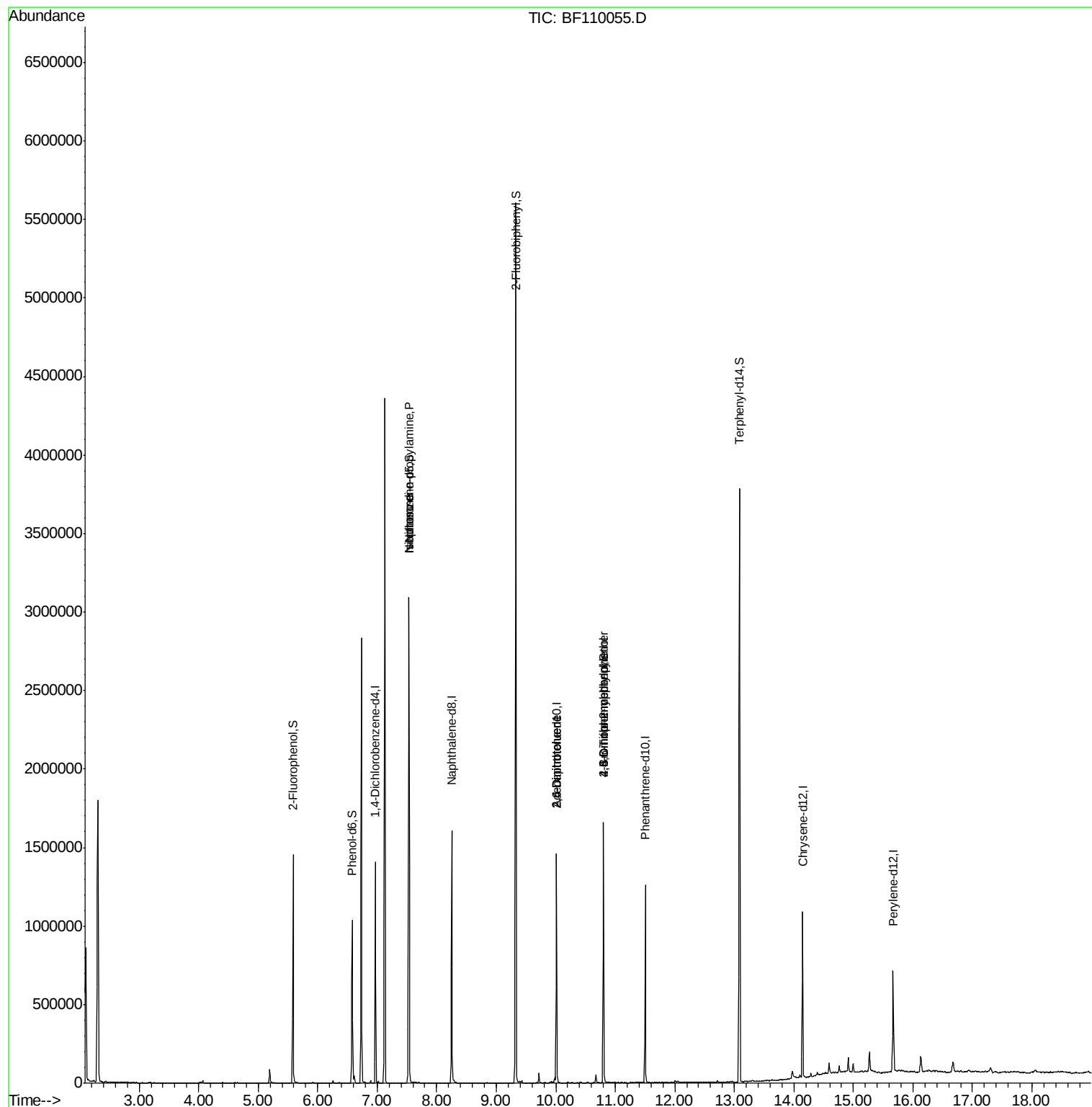
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	184104	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	686827	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	275918	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	432625	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	334204	20.00	ng	-0.02
87) Perylene-d12	15.67	264	239144	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	384604	33.11	ng	-0.01
7) Phenol-d6	6.58	99	288036	19.97	ng	-0.02
23) Nitrobenzene-d5	7.53	82	996645	97.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	178454	74.70	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	1670825	96.63	ng	-0.01
79) Terphenyl-d14	13.09	244	1245160	78.24	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	130102	14.050	ng	# 80
25) Isophorone	7.53	82	996637	49.748	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	34509	9.300	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	34509	11.242	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	390	8.112	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	11552	2.464	ng	# 1

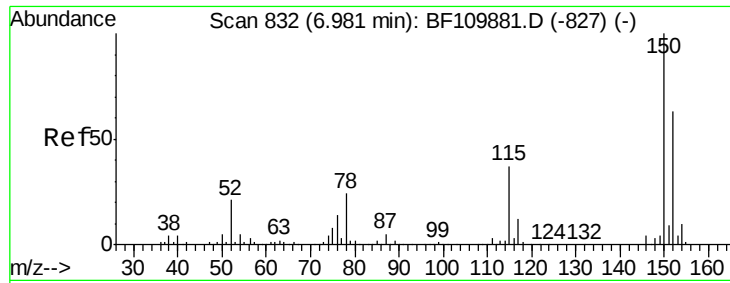
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 02:10:13 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



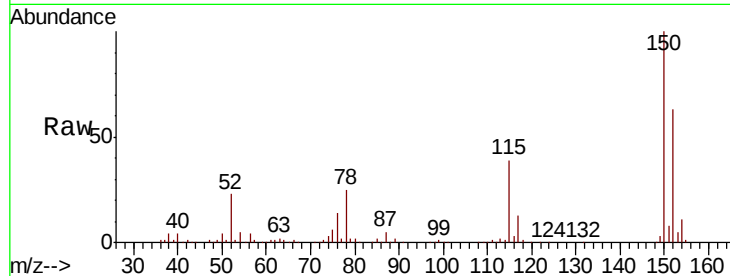


#1

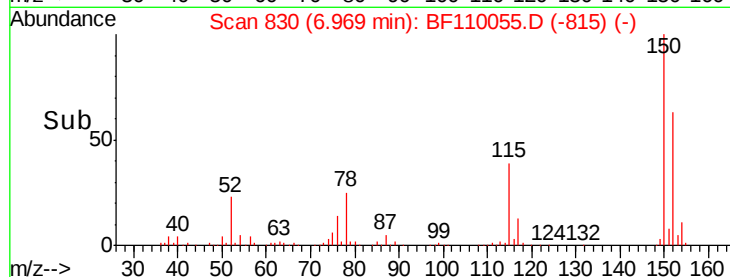
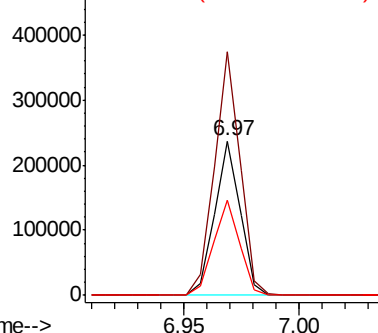
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110055.D
Acq: 22 Oct 2018 18:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 184104
Ion Ratio Lower Upper
152 100
150 157.6 122.7 184.1
115 61.6 49.1 73.7



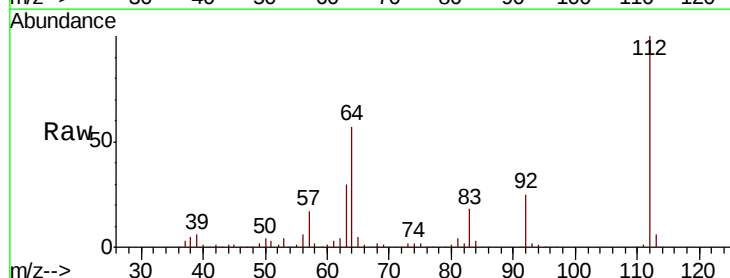
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



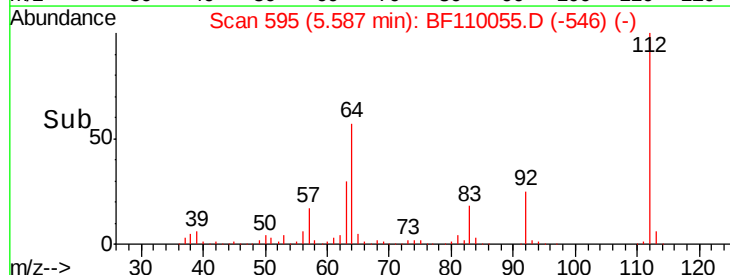
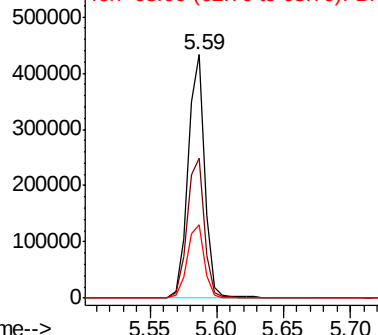
#5

2-Fluorophenol
Concen: 33.114 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110055.D
Acq: 22 Oct 2018 18:05

Tgt Ion:112 Resp: 384604
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 29.9 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: 19.972 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Instrument :

BNA_F

ClientSampled :

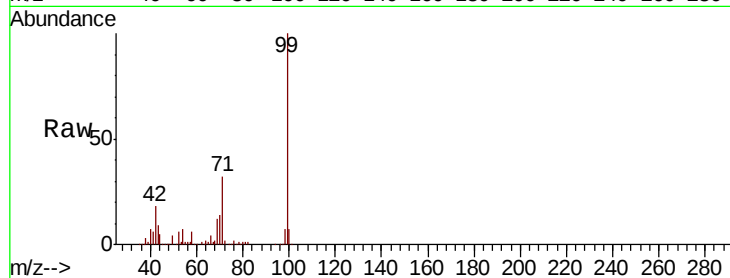
Tot Ion: 99 Resp: 288036

Ion Ratio Lower Upper

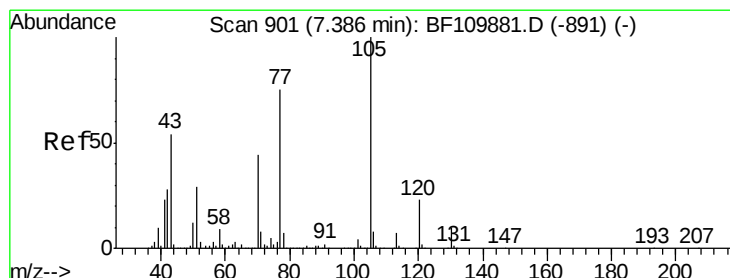
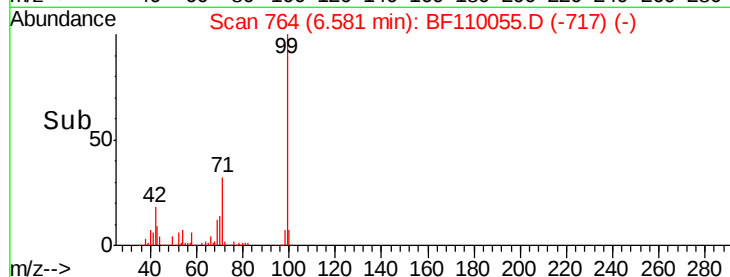
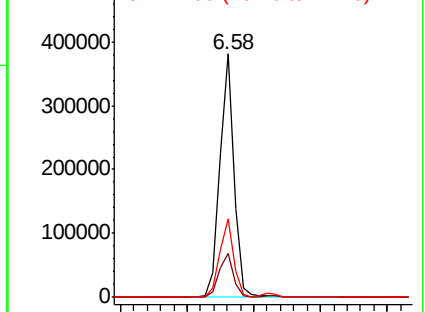
99 100

42 18.2 15.8 23.6

71 32.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.050 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Tgt Ion: 70 Resp: 130102

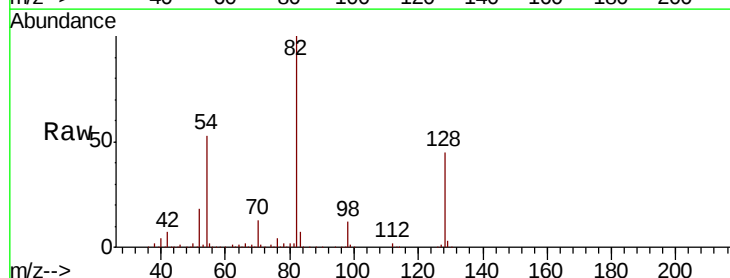
Ion Ratio Lower Upper

70 100

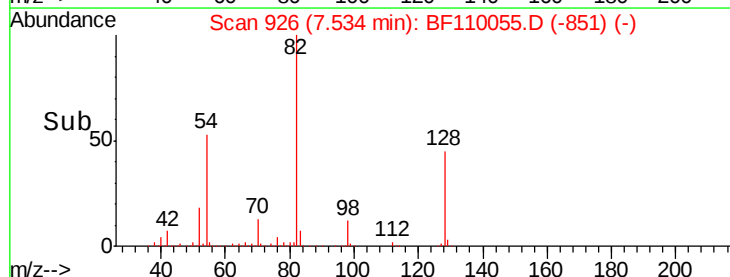
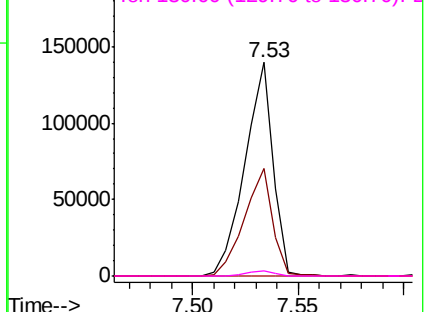
42 50.1 47.4 71.2

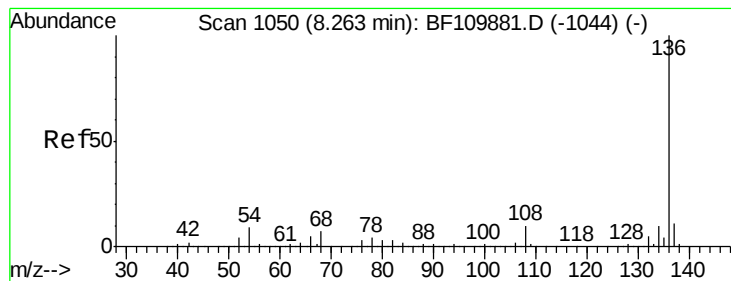
101 0.0 7.3 10.9#

130 2.2 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: BF110055.D

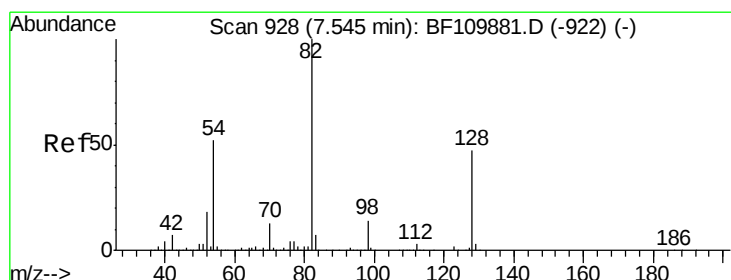
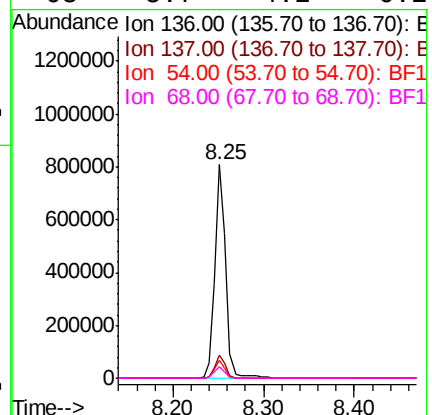
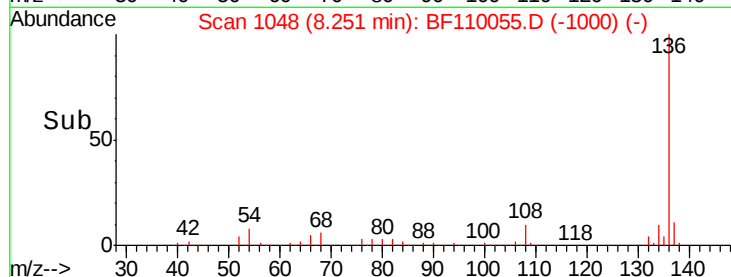
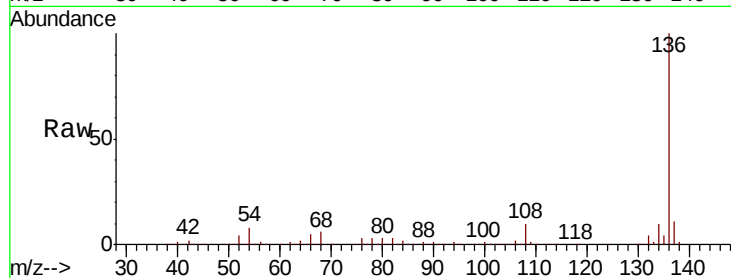
Acq: 22 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	686827
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	8.4	5.4 8.2#
68	5.7	4.2 6.2



#23

Nitrobenzene-d5

Concen: 97.751 ng

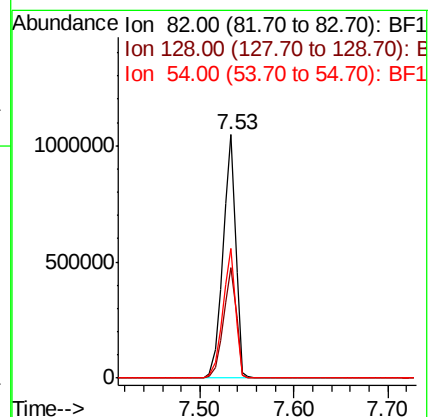
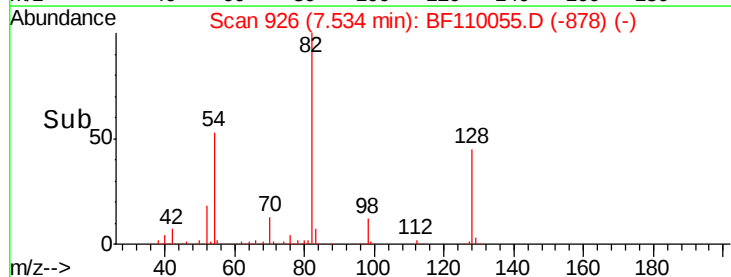
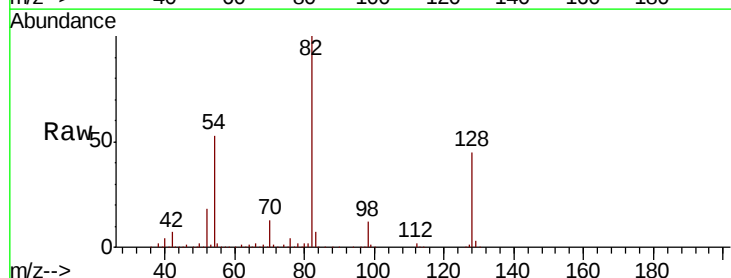
RT: 7.53 min Scan# 926

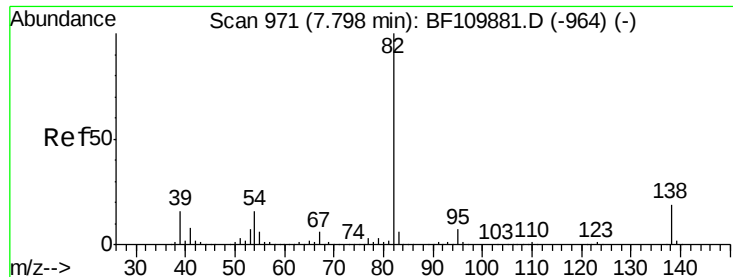
Delta R.T. -0.02 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Tgt Ion: 82	Resp:	996645
Ion Ratio	Lower	Upper
82	100	
128	45.3	34.2 51.2
54	53.1	38.6 58.0





#25

Isophorone

Concen: 49.748 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Instrument :

BNA_F

ClientSampleId :

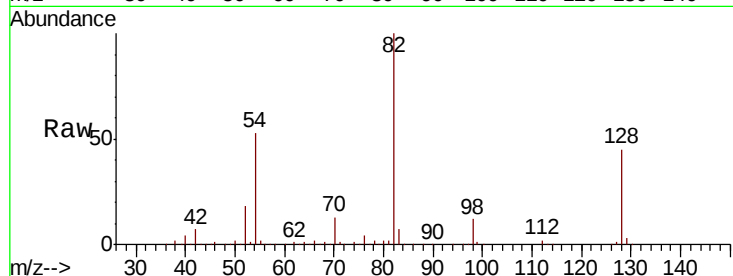
Tot Ion: 82 Resp: 996637

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

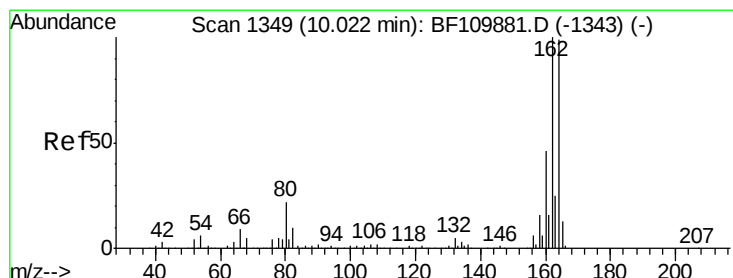
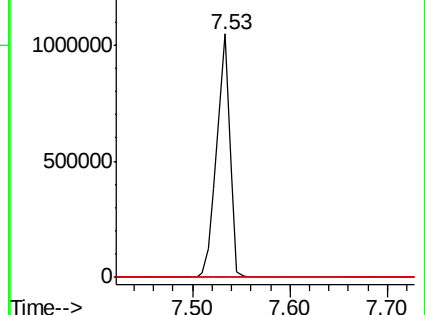
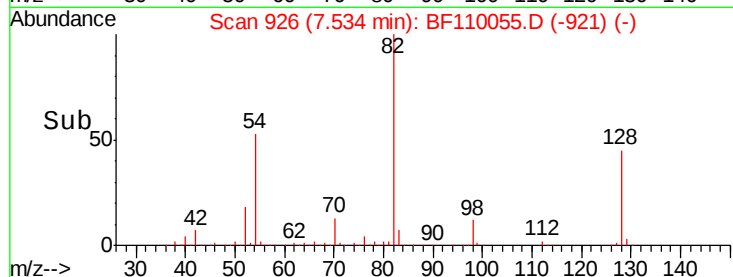
138 0.0 13.2 19.8#



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: BF110055.D

Acq: 22 Oct 2018 18:05

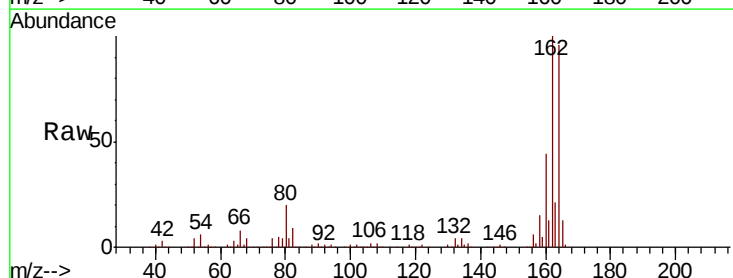
Tgt Ion:164 Resp: 275918

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

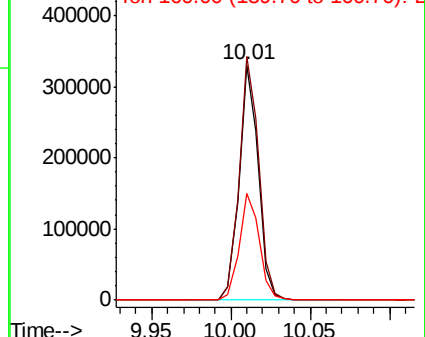
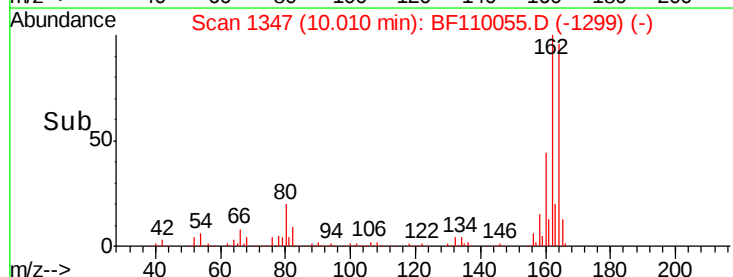
160 45.2 37.0 55.6

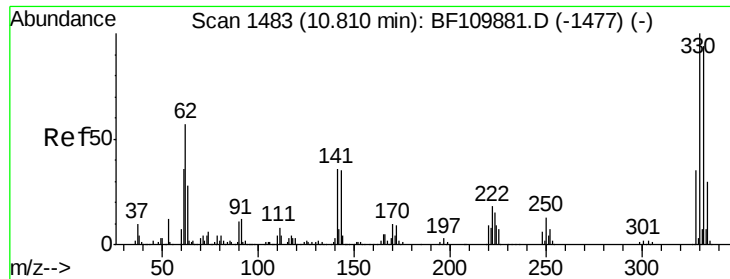


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

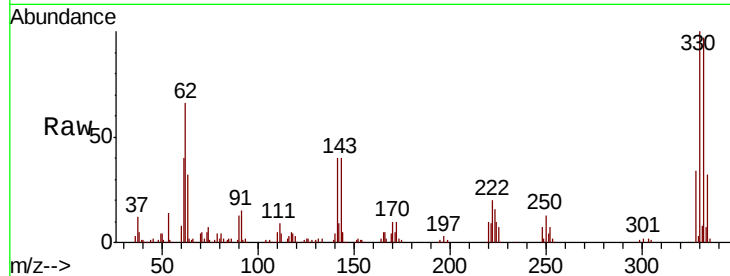




#42
 2,4,6-Tribromophenol
 Concen: 74.704 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141
Resp:	178454		
Ion Ratio	100	96.2	36.3
Lower		77.1	27.0
Upper		115.7	40.4

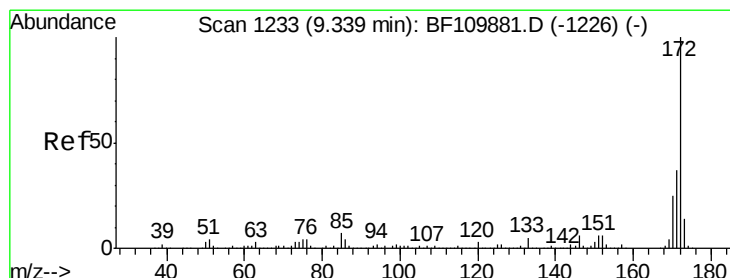
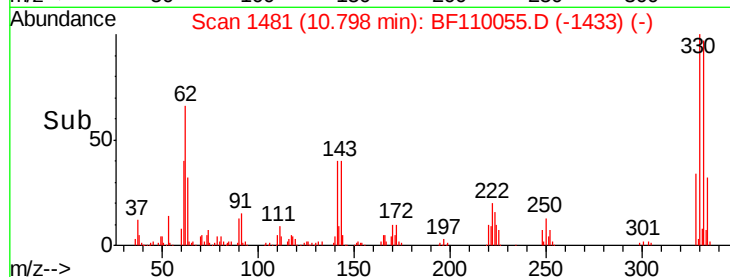
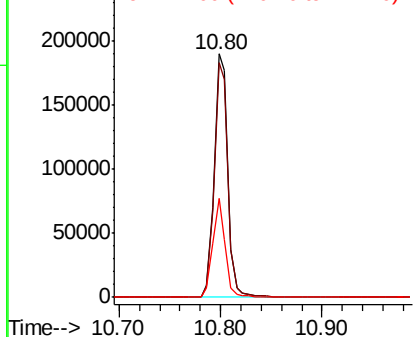


Abundance

Ion 329.80 (329.50 to 330.50): E

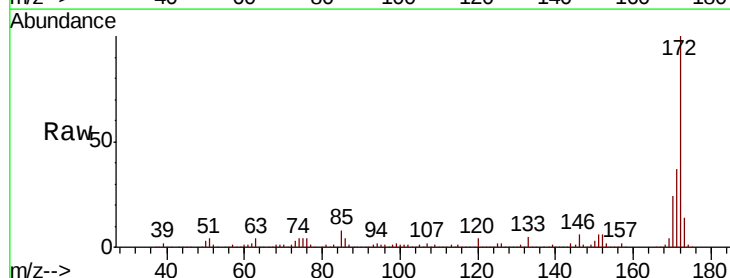
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.625 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Tgt Ion	172	171	170
Resp:	1670825		
Ion Ratio	100	36.8	24.3
Lower		28.6	19.7
Upper		43.0	29.5

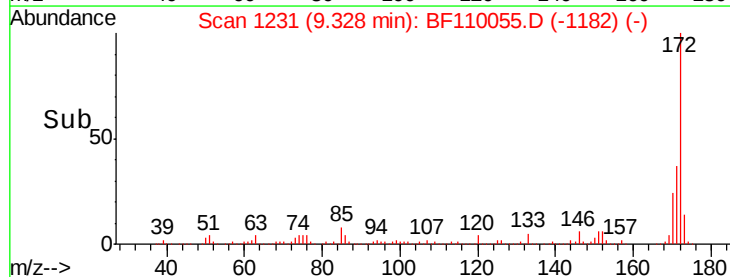
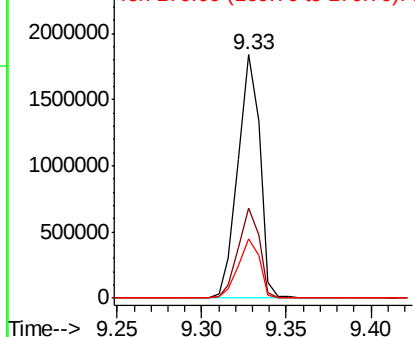


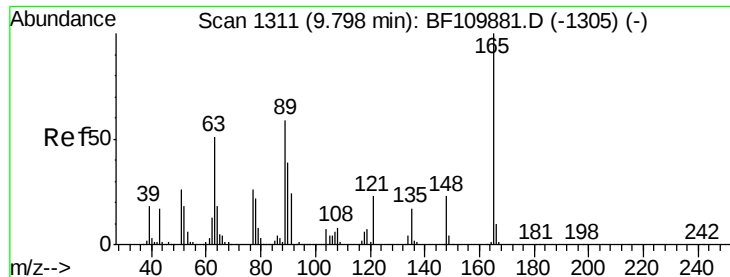
Abundance

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: 9.300 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Instrument :

BNA_F

ClientSampled :

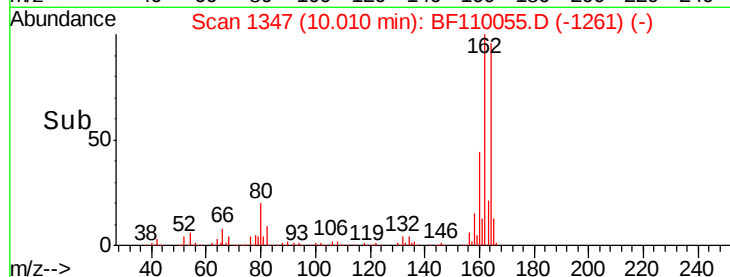
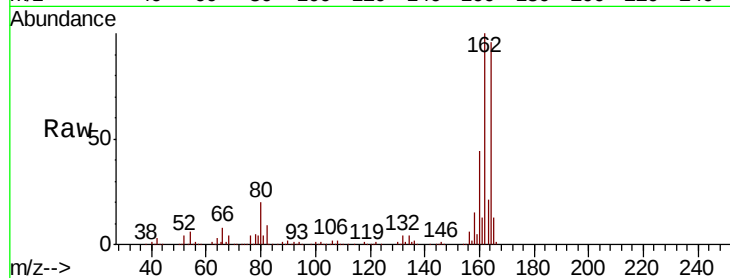
Tot Ion:165 Resp: 34509

Ion Ratio Lower Upper

165 100

63 1.0 48.9 73.3#

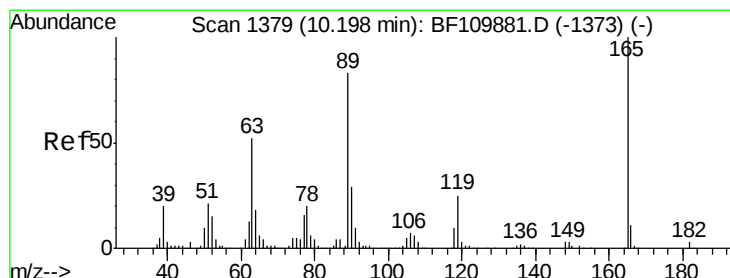
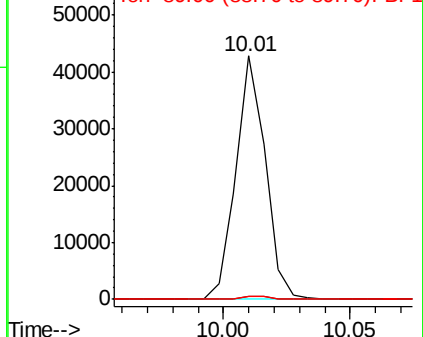
89 1.2 46.6 69.8#



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: 11.242 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110055.D

Acq: 22 Oct 2018 18:05

Tgt Ion:165 Resp: 34509

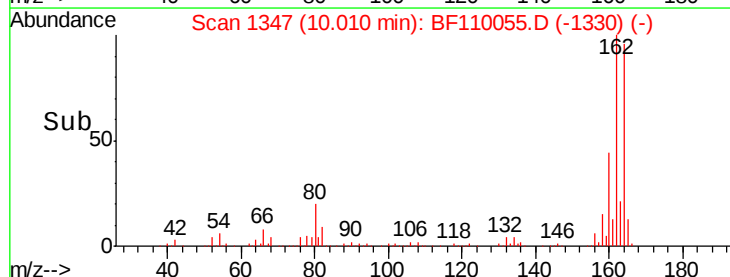
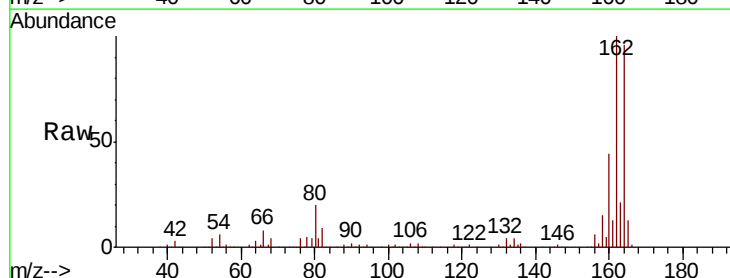
Ion Ratio Lower Upper

165 100

63 1.0 44.8 67.2#

89 1.2 62.2 93.4#

182 0.0 2.1 3.1#

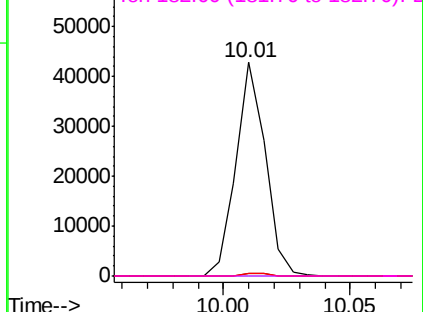


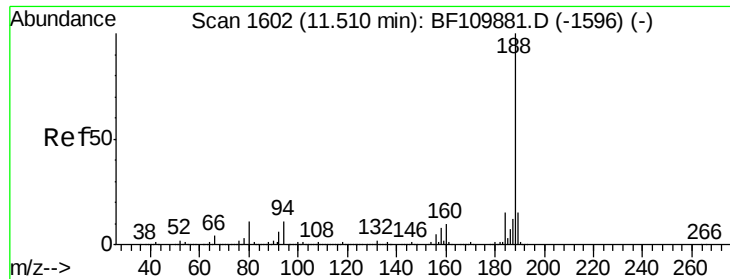
Abundance Ion 165.00 (164.70 to 165.70): E

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

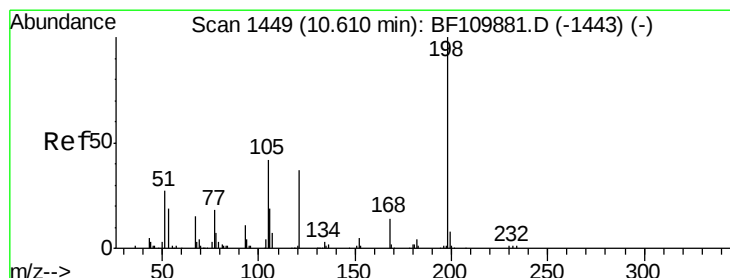
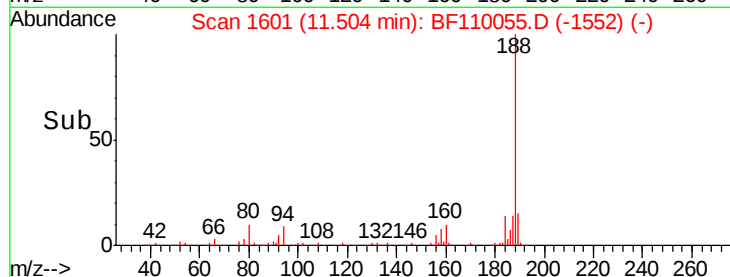
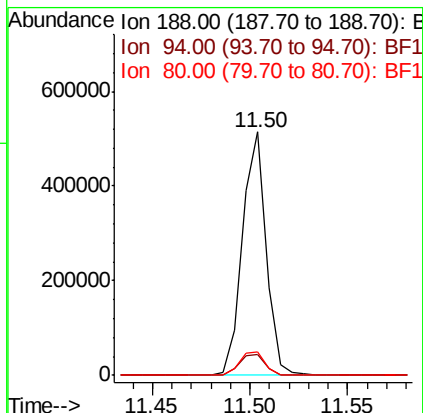
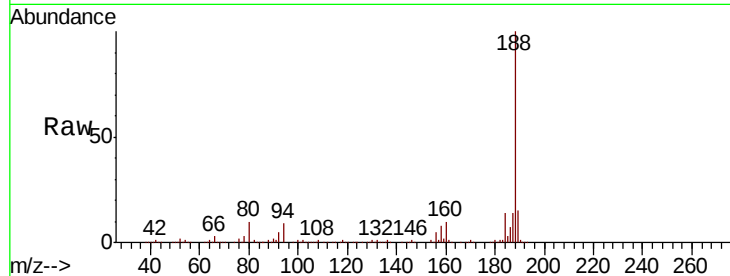




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110055.D
Acq: 22 Oct 2018 18:05

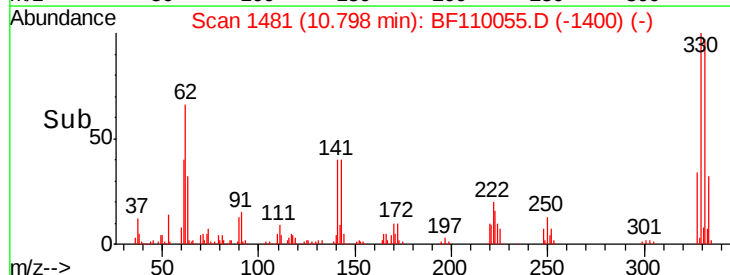
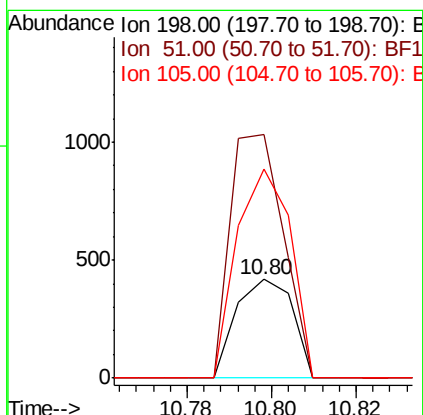
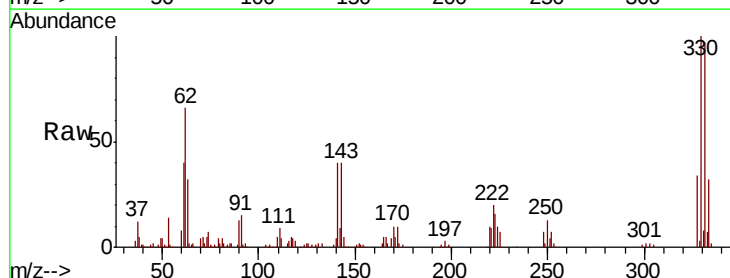
Instrument :
BNA_F
ClientSampleId :

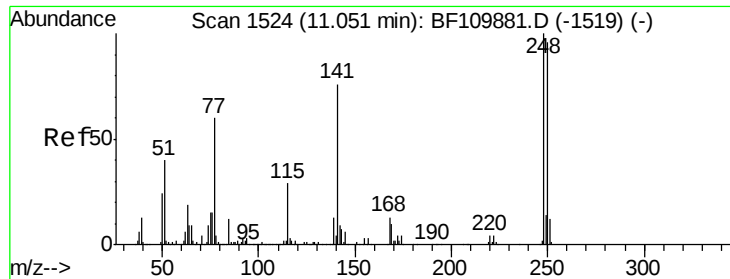
Tot Ion:188 Resp: 432625
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.6 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 8.112 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.18 min
Lab File: BF110055.D
Acq: 22 Oct 2018 18:05

Tgt Ion:198 Resp: 390
Ion Ratio Lower Upper
198 100
51 246.3 22.8 62.8#
105 211.5 23.6 63.6#

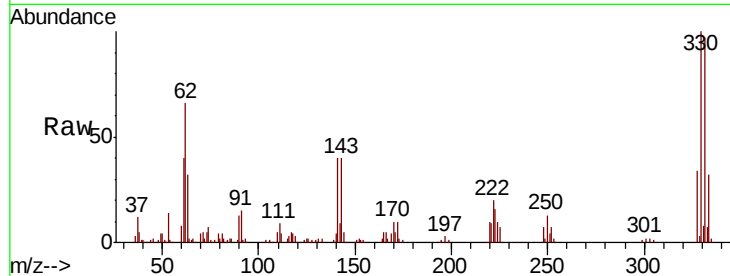




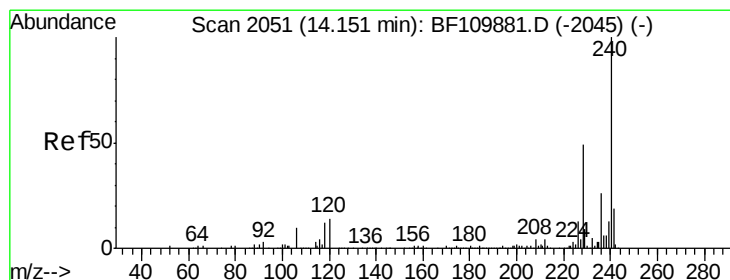
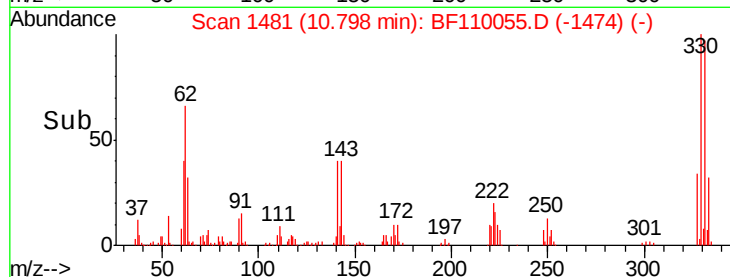
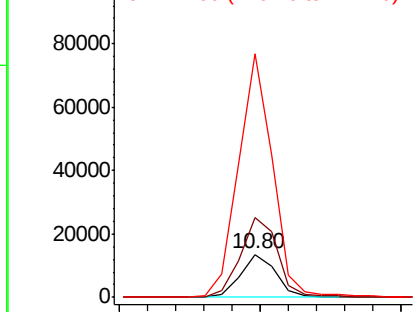
#67
 4-Bromophenyl-phenylether
 Concen: 2.464 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11552
 Ion Ratio Lower Upper
 248 100
 250 185.9 79.4 119.2#
 141 570.3 55.9 83.9#

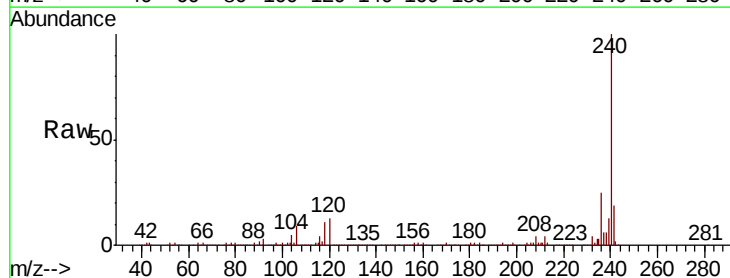


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

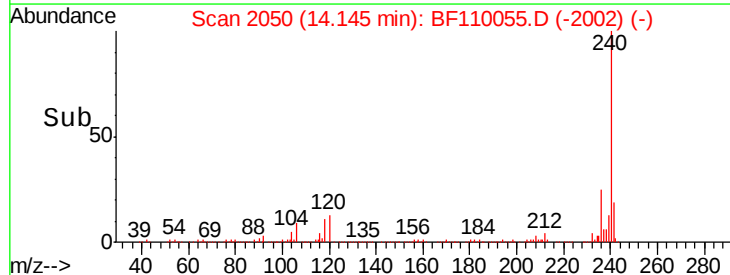
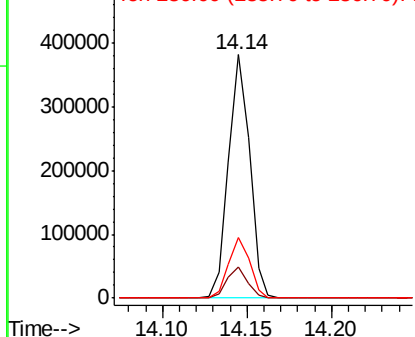


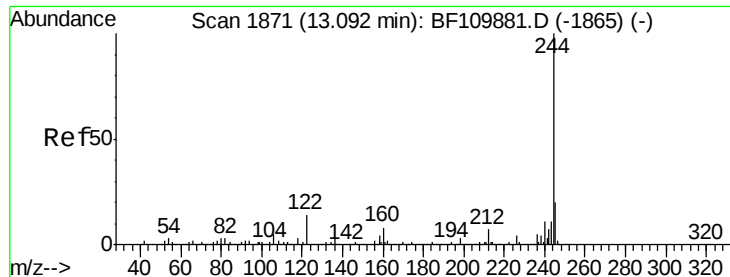
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Tgt Ion:240 Resp: 334204
 Ion Ratio Lower Upper
 240 100
 120 12.9 8.3 12.5#
 236 25.1 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



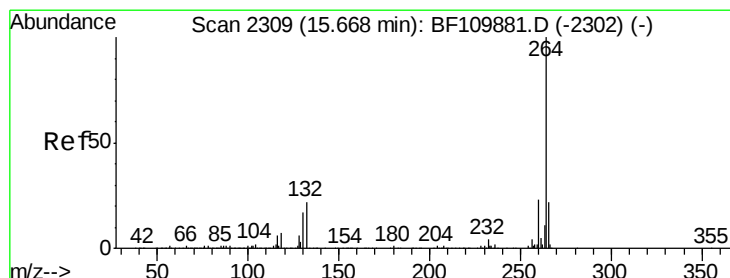
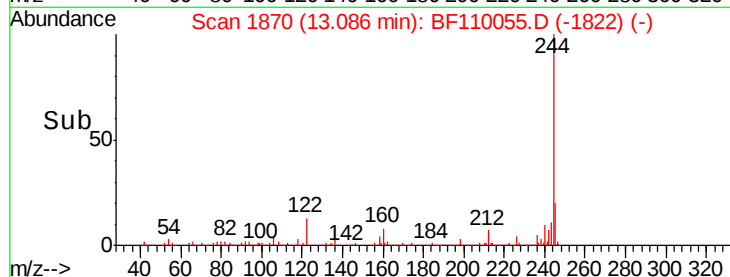
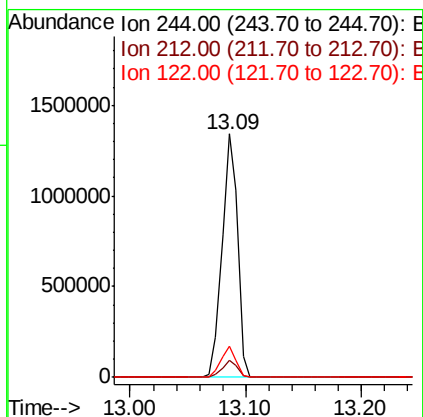
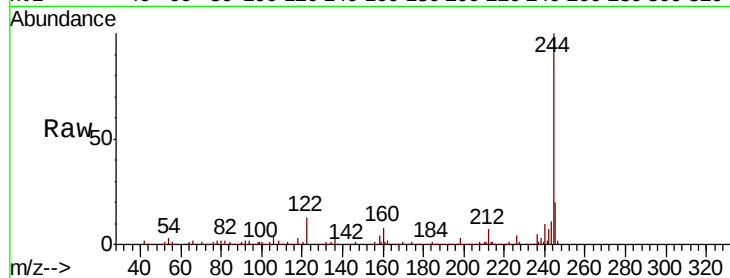


#79
 Terphenyl-d14
 Concen: 78.238 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1245160

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.9	8.7	13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BF110055.D
 Acq: 22 Oct 2018 18:05

Tgt Ion:264 Resp: 239144

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.0	16.7	25.1

