

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110035.D
 Acq On : 20 Oct 2018 6:57
 Operator : JU/SJ
 Sample : PB113927BL
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 02:01:57 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

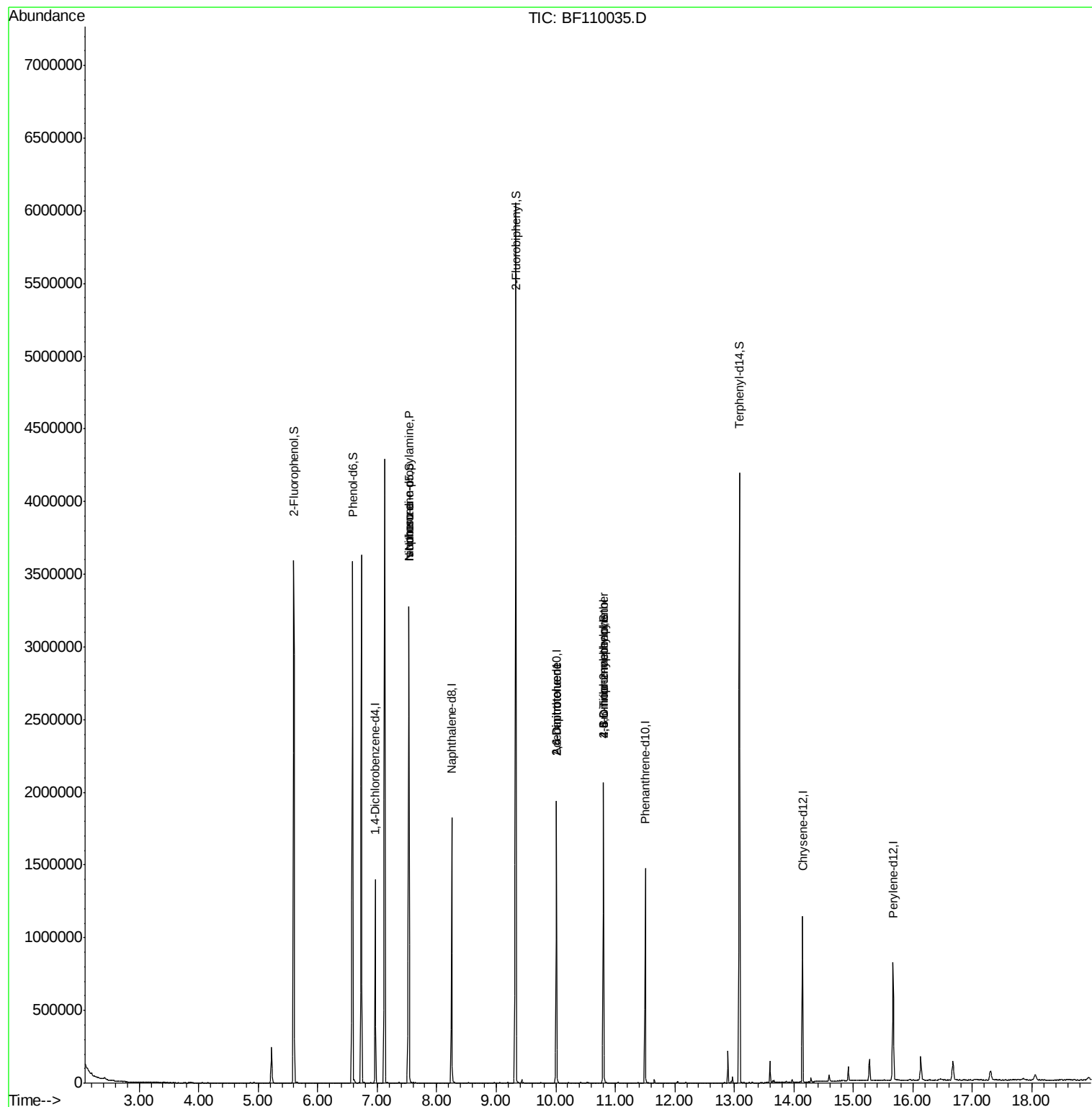
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	200091	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	808069	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	354644	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	563778	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	360842	20.00	ng	-0.02
87) Perylene-d12	15.67	264	301064	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1043999	82.71	ng	0.00
7) Phenol-d6	6.59	99	1290859	82.35	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1146287	95.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	216262	70.43	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	2031726	91.41	ng	-0.01
79) Terphenyl-d14	13.09	244	1325326	77.13	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	152494	15.152	ng	# 80
25) Isophorone	7.53	82	1141846	48.445	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	44255	9.278	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	44255	11.227	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	335	8.041	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	14110	2.309	ng	# 1

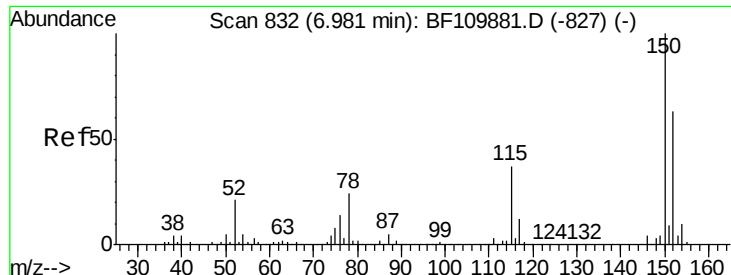
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



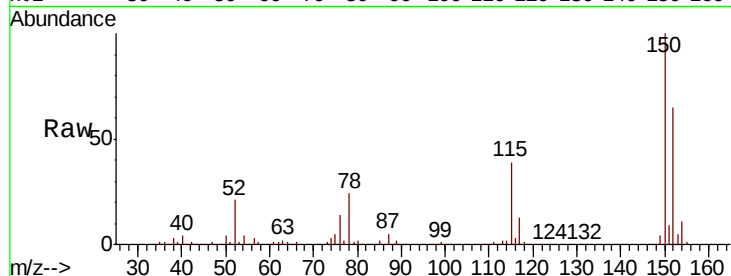


#1

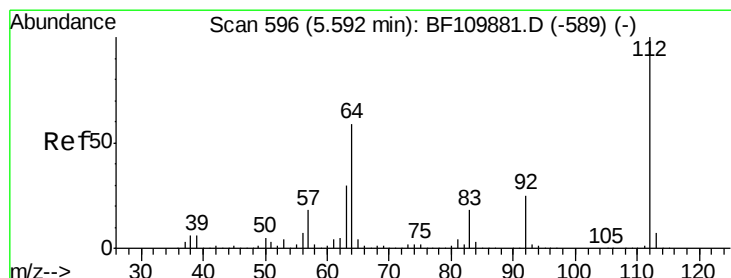
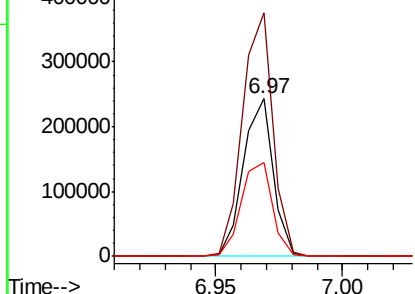
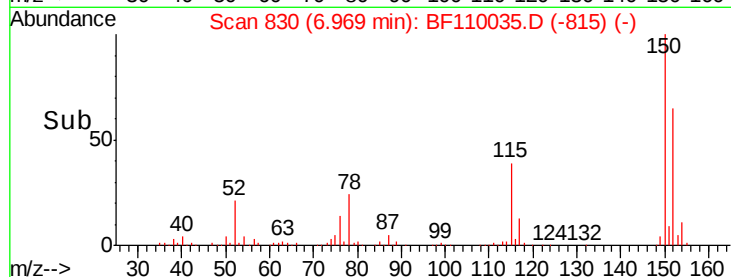
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.7	184.1
115	59.8	49.1	73.7



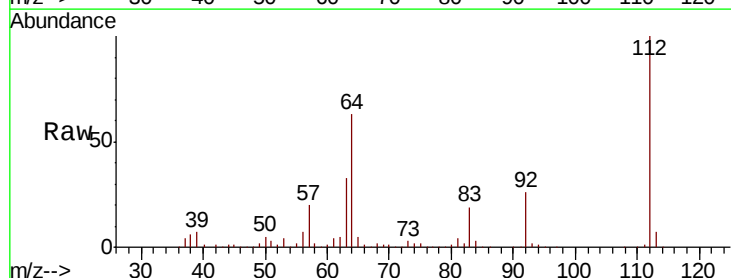
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



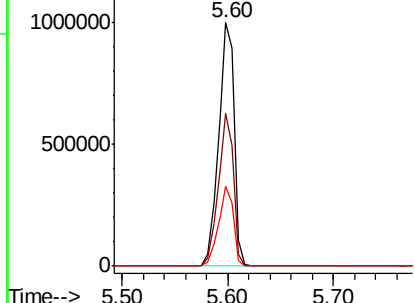
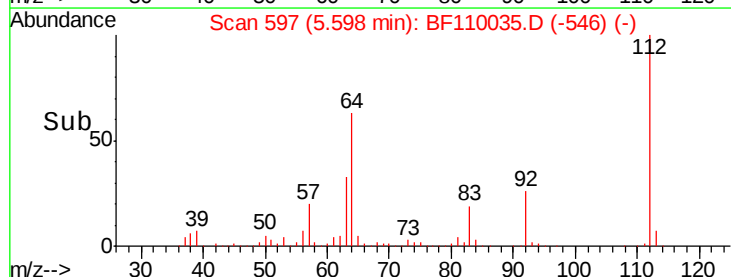
#5

2-Fluorophenol
Concen: 82.706 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	44.1	66.1
63	33.0	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: 82.355 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110035.D

Acq: 20 Oct 2018 6:57

Instrument :

BNA_F

ClientSampleId :

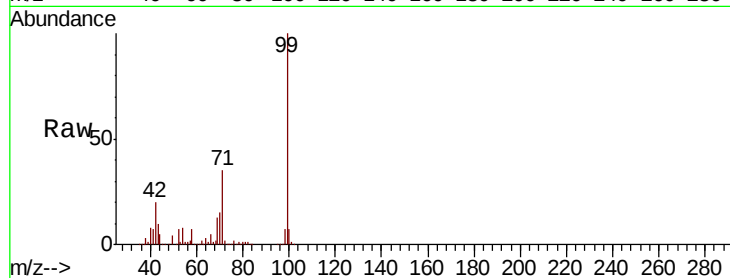
Tot Ion: 99 Resp: 1290859

Ion Ratio Lower Upper

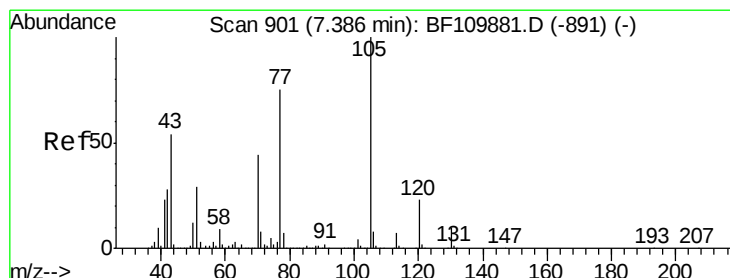
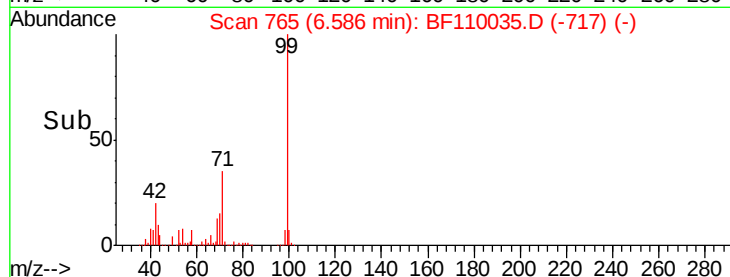
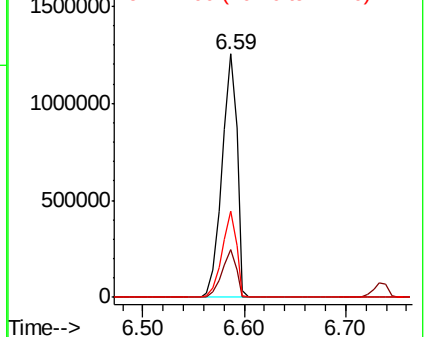
99 100

42 19.6 15.8 23.6

71 35.1 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: 15.152 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110035.D

Acq: 20 Oct 2018 6:57

Tgt Ion: 70 Resp: 152494

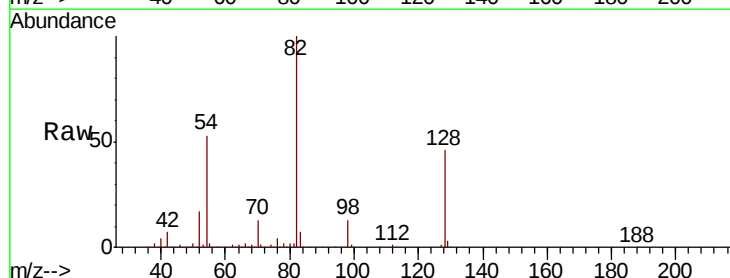
Ion Ratio Lower Upper

70 100

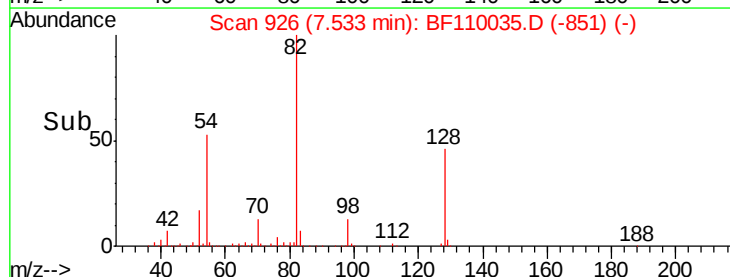
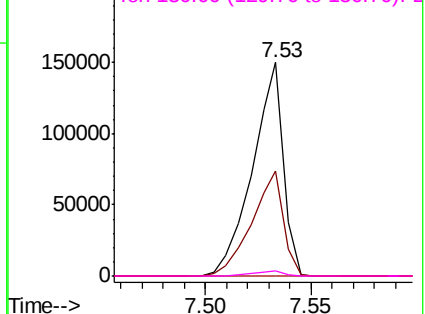
42 49.2 47.4 71.2

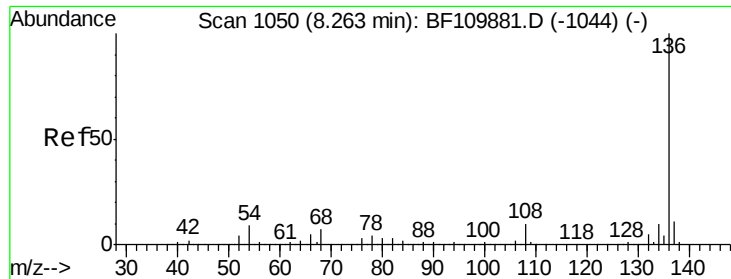
101 0.0 7.3 10.9#

130 2.3 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

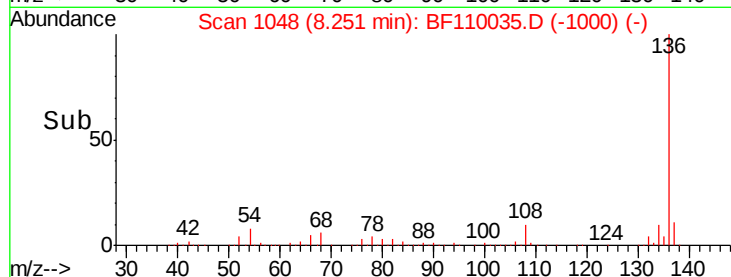
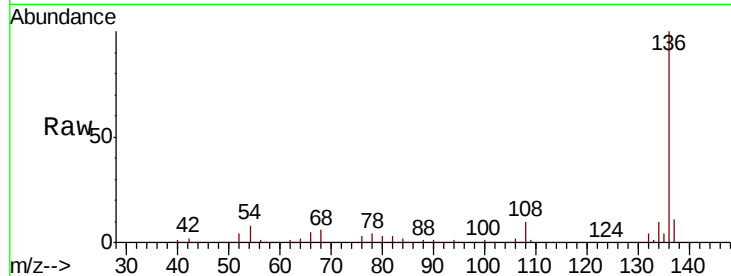




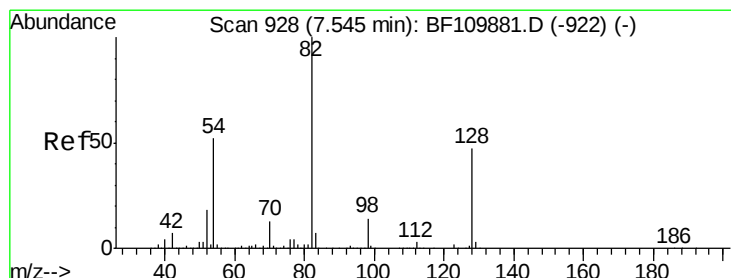
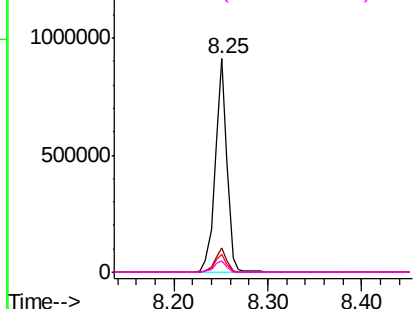
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	808069
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	8.3	5.4 8.2#
68	5.5	4.2 6.2

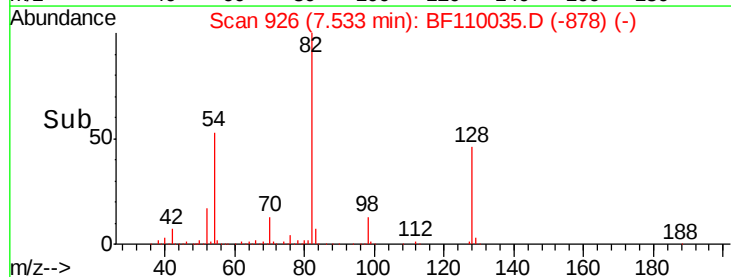
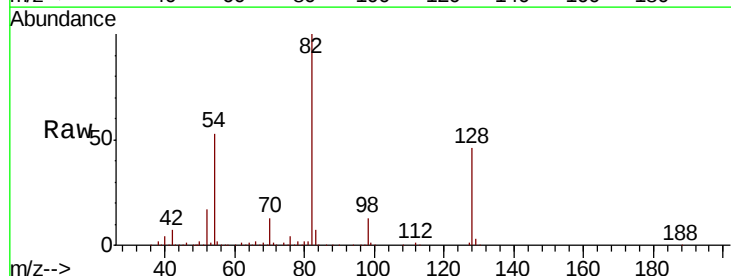


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

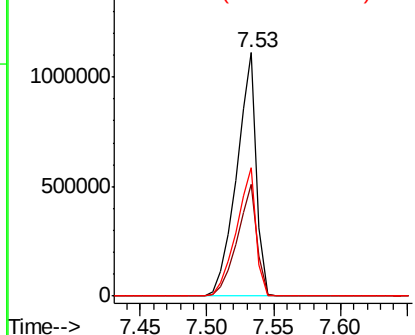


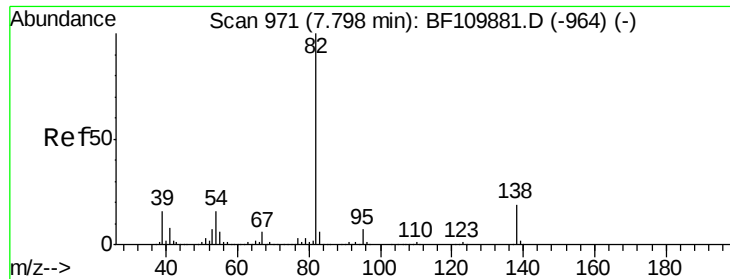
#23
Nitrobenzene-d5
Concen: 95.559 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Tgt Ion: 82	Resp:	1146287
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: 48.445 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110035.D

Acq: 20 Oct 2018 6:57

Instrument :

BNA_F

ClientSampled :

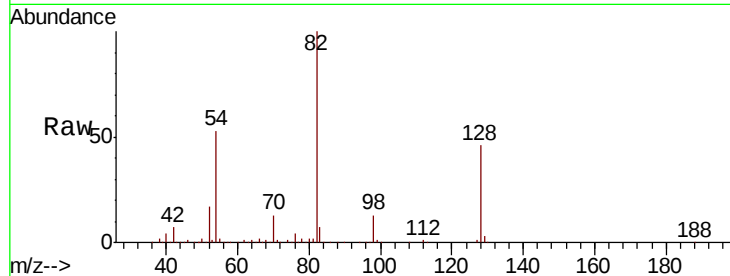
Tot Ion: 82 Resp: 1141846

Ion Ratio Lower Upper

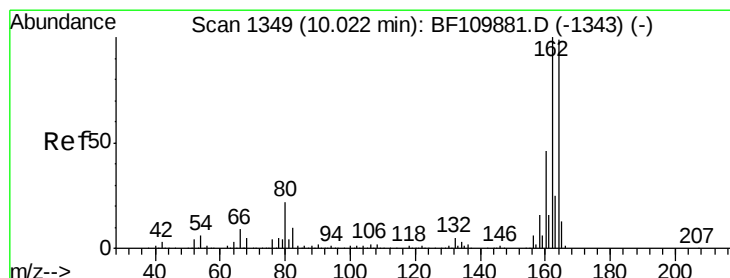
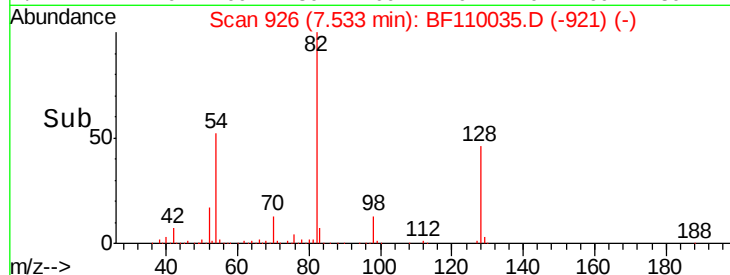
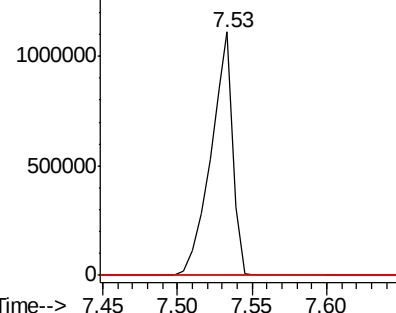
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000 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: BF110035.D

Acq: 20 Oct 2018 6:57

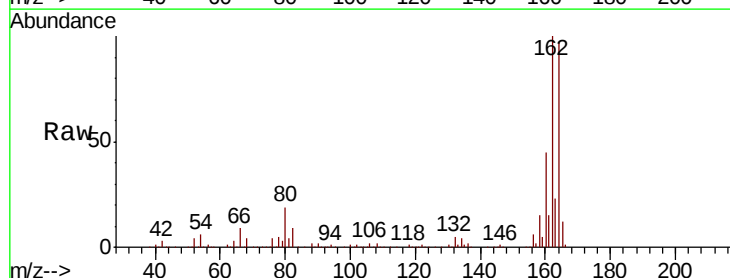
Tgt Ion:164 Resp: 354644

Ion Ratio Lower Upper

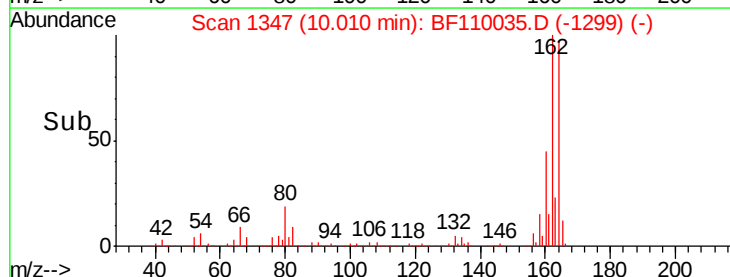
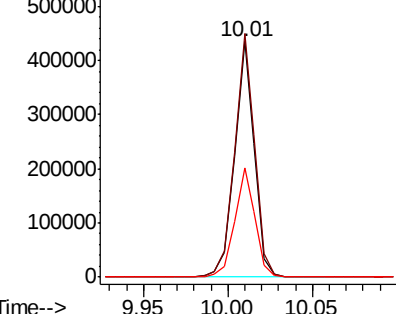
164 100

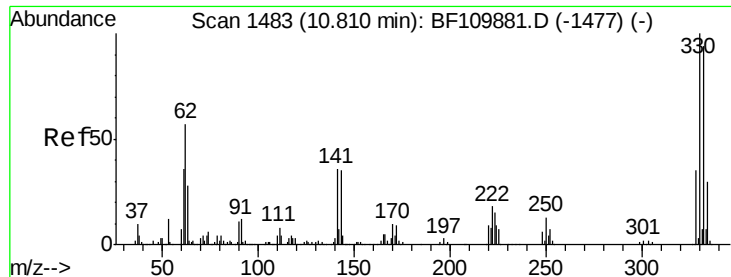
162 103.3 83.0 124.6

160 46.6 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E
600000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

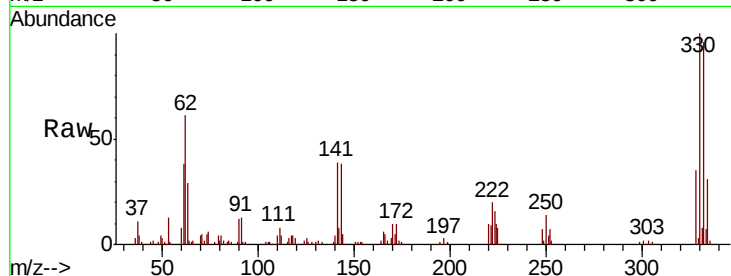




#42
 2,4,6-Tribromophenol
 Concen: 70.434 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110035.D
 Acq: 20 Oct 2018 6:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	36.9	27.0	40.4

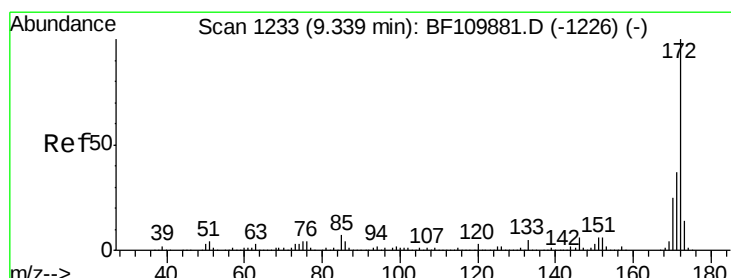
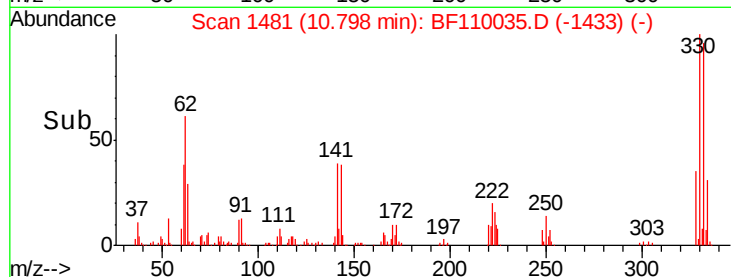
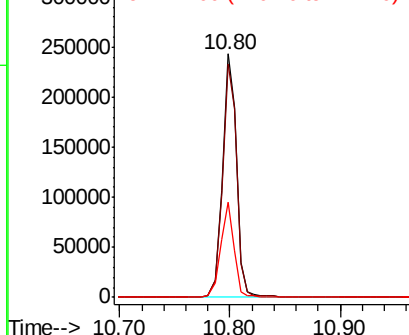


Abundance

Ion 329.80 (329.50 to 330.50): E

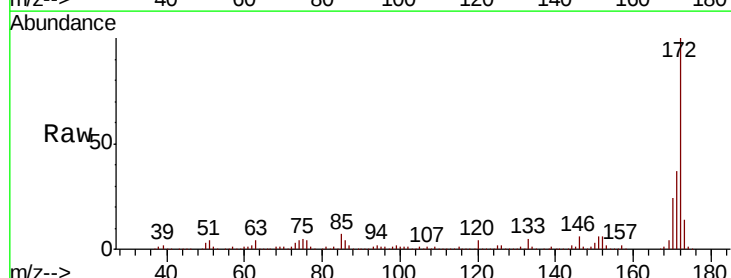
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.414 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110035.D
 Acq: 20 Oct 2018 6:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.5	19.7	29.5

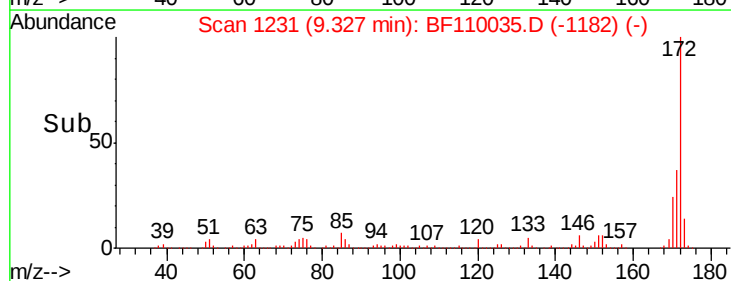
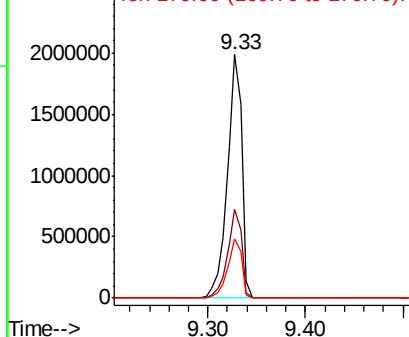


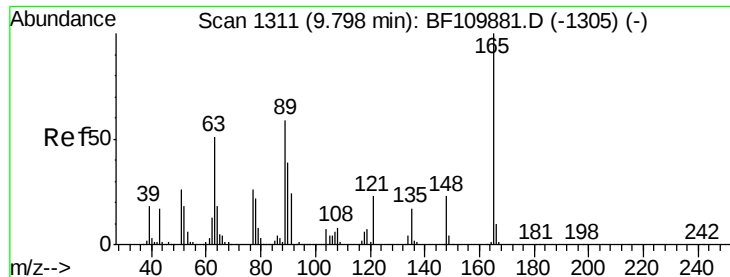
Abundance

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

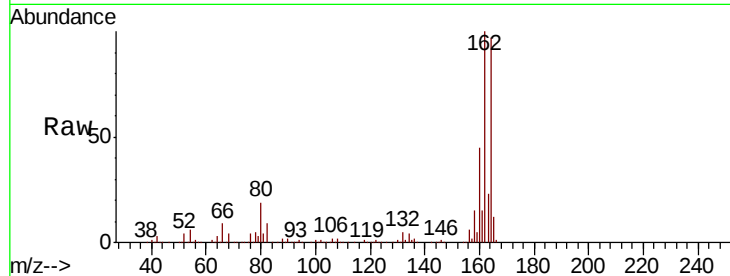




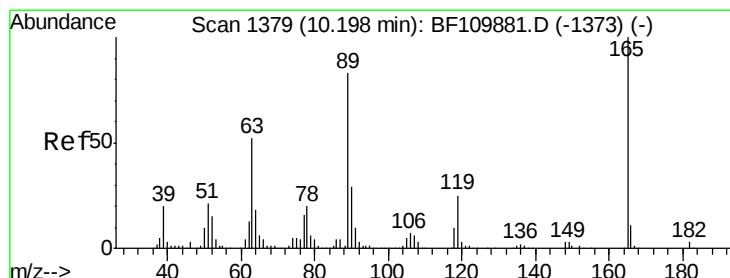
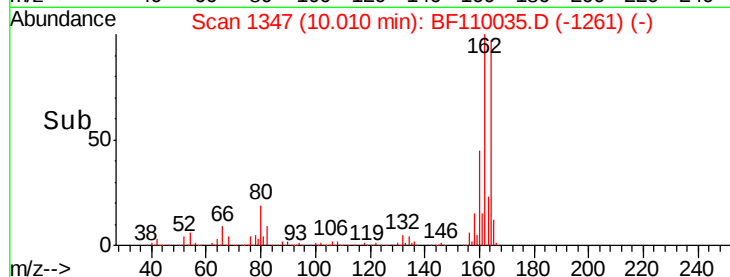
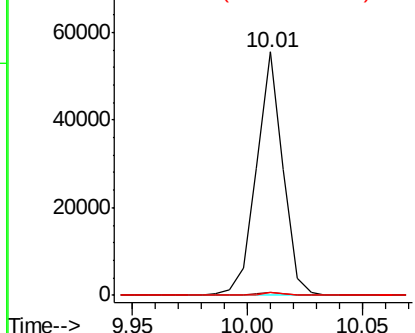
#51
2,6-Dinitrotoluene
Concen: 9.278 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	48.9	73.3#
89	1.4	46.6	69.8#



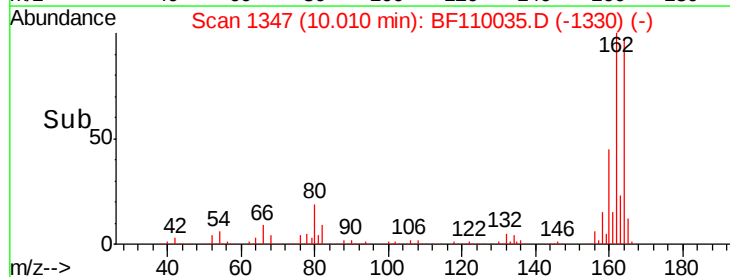
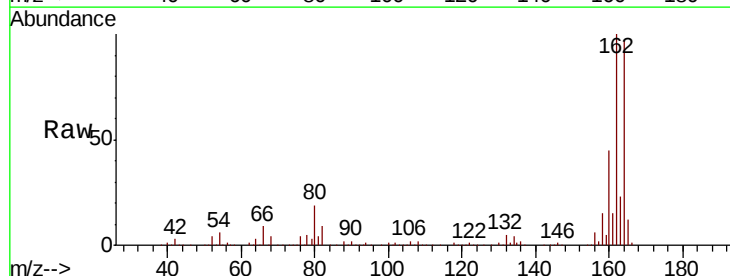
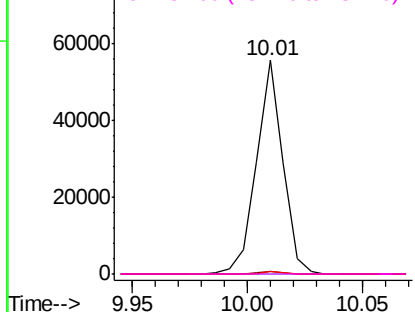
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

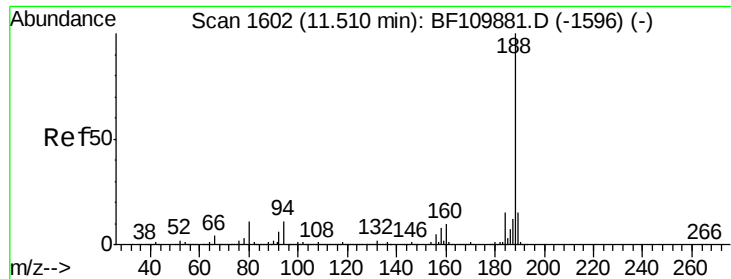


#57
2,4-Dinitrotoluene
Concen: 11.227 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	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: BF110035.D

Acq: 20 Oct 2018 6:57

Instrument :

BNA_F

ClientSampleId :

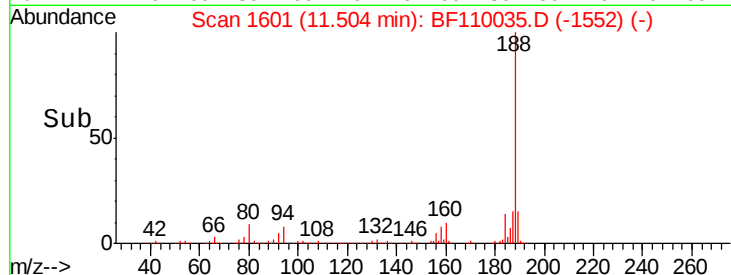
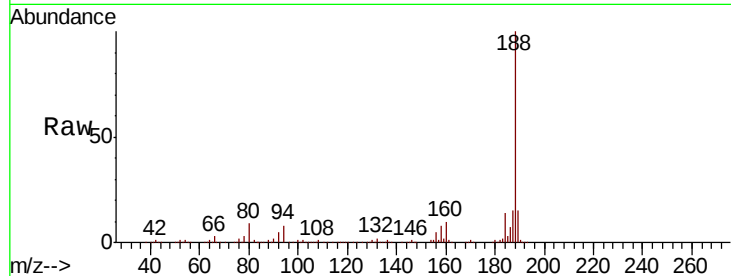
Tot Ion:188 Resp: 563778

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.4	7.9	11.9

188 100

94 8.5 7.2 10.8

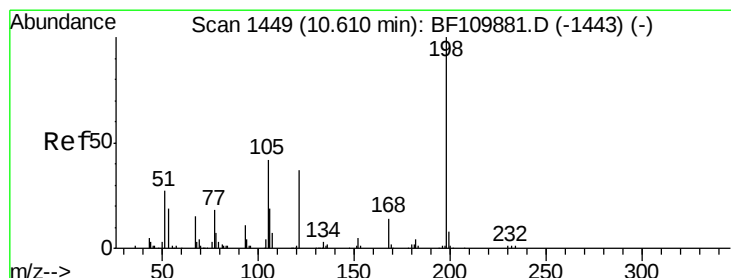
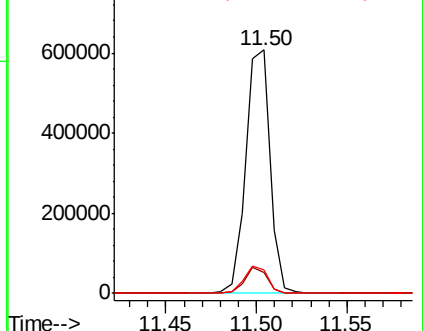
80 9.4 7.9 11.9



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: 8.041 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110035.D

Acq: 20 Oct 2018 6:57

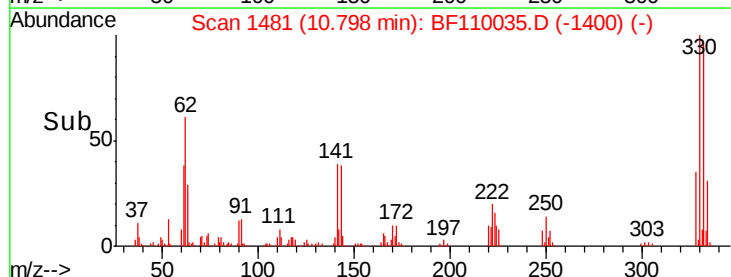
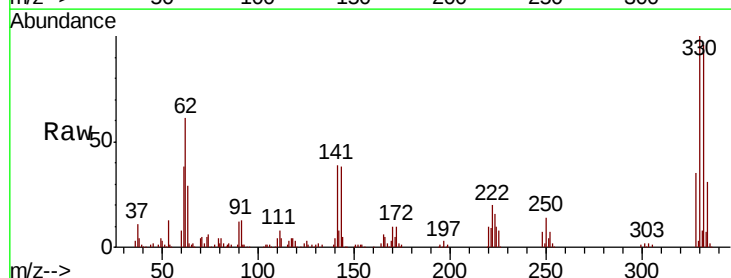
Tgt Ion:198 Resp: 335

Ion	Ratio	Lower	Upper
198	100		
51	218.0	22.8	62.8#
105	243.7	23.6	63.6#

198 100

51 218.0 22.8 62.8#

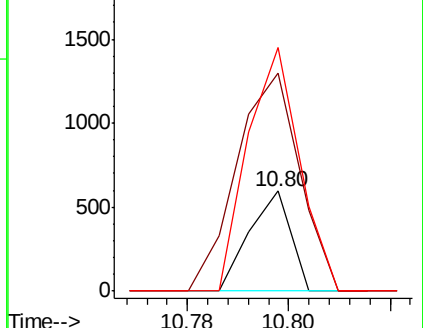
105 243.7 23.6 63.6#

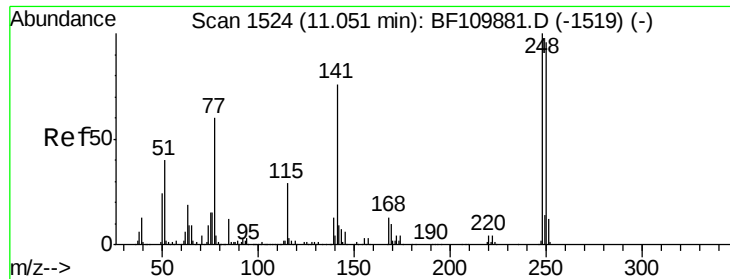


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

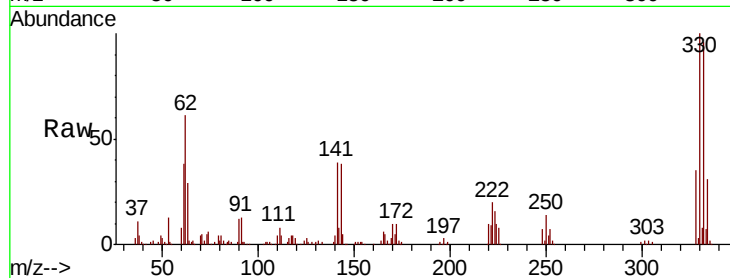




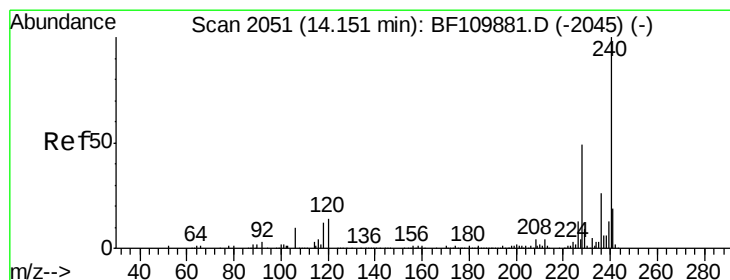
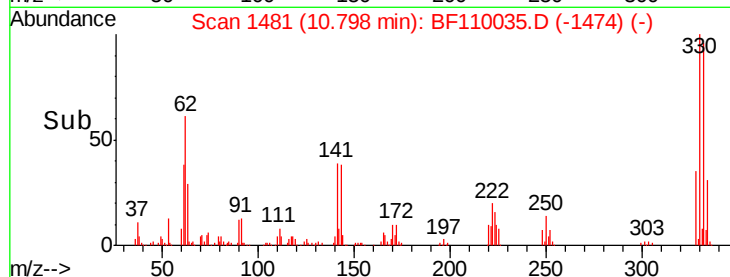
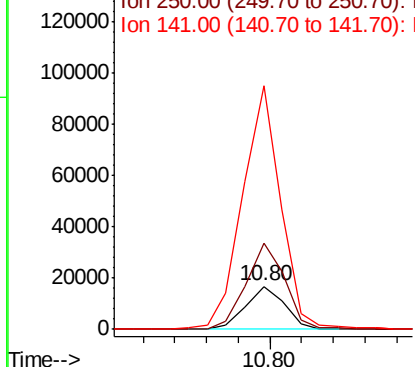
#67
4-Bromophenyl-phenylether
Concen: 2.309 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.26 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14110
Ion Ratio Lower Upper
248 100
250 200.0 79.4 119.2#
141 564.0 55.9 83.9#

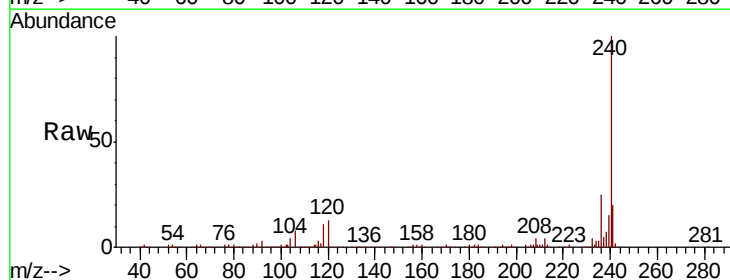


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

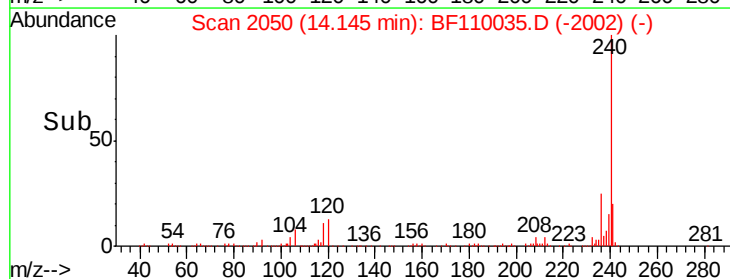
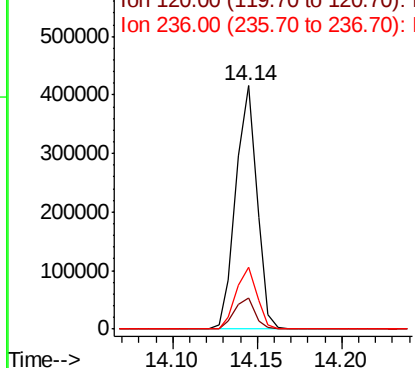


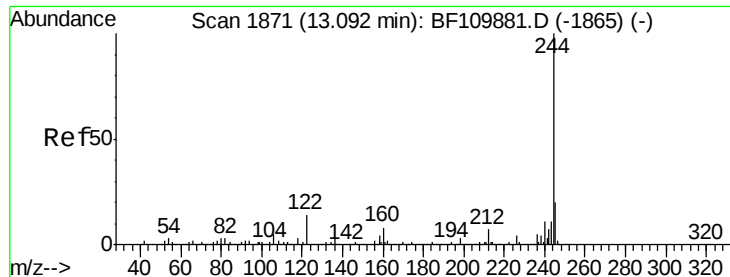
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110035.D
Acq: 20 Oct 2018 6:57

Tgt Ion:240 Resp: 360842
Ion Ratio Lower Upper
240 100
120 12.6 8.3 12.5#
236 25.3 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



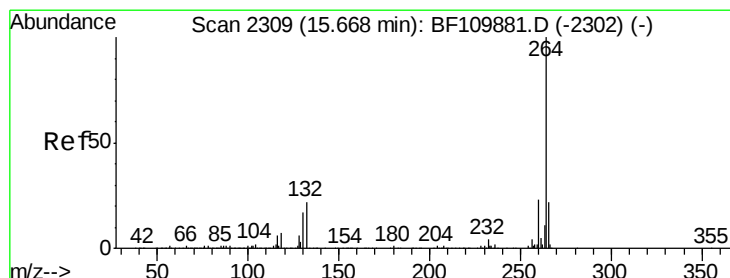
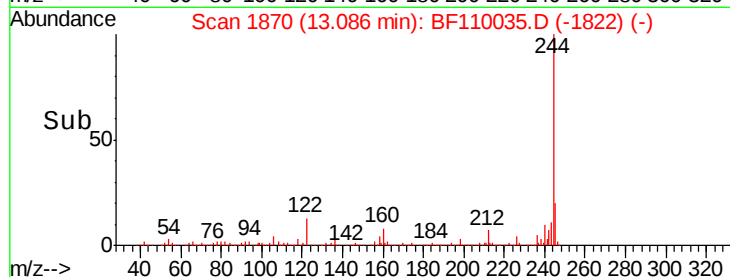
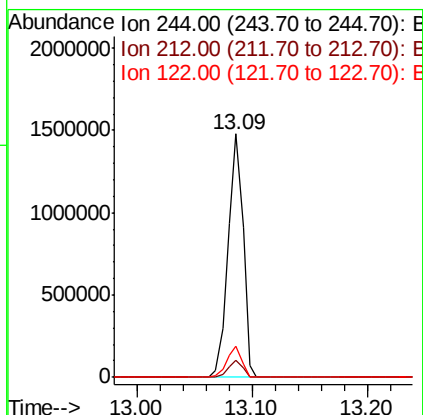
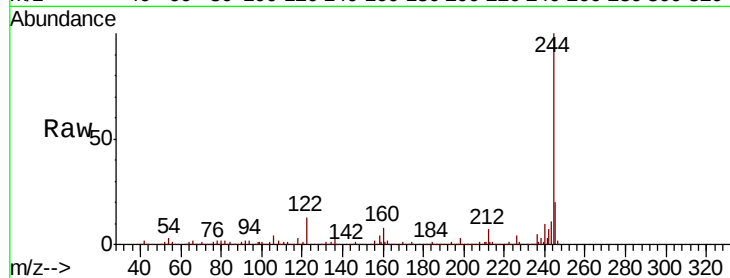


#79
 Terphenyl-d14
 Concen: 77.128 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110035.D
 Acq: 20 Oct 2018 6:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1325326

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.0	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: BF110035.D
 Acq: 20 Oct 2018 6:57

Tgt Ion:264 Resp: 301064

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	16.7	25.1

