

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110031.D
 Acq On : 20 Oct 2018 5:08
 Operator : JU/SJ
 Sample : J5593-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 06:46:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 20 01:53:35 2018
 Response via : Initial Calibration

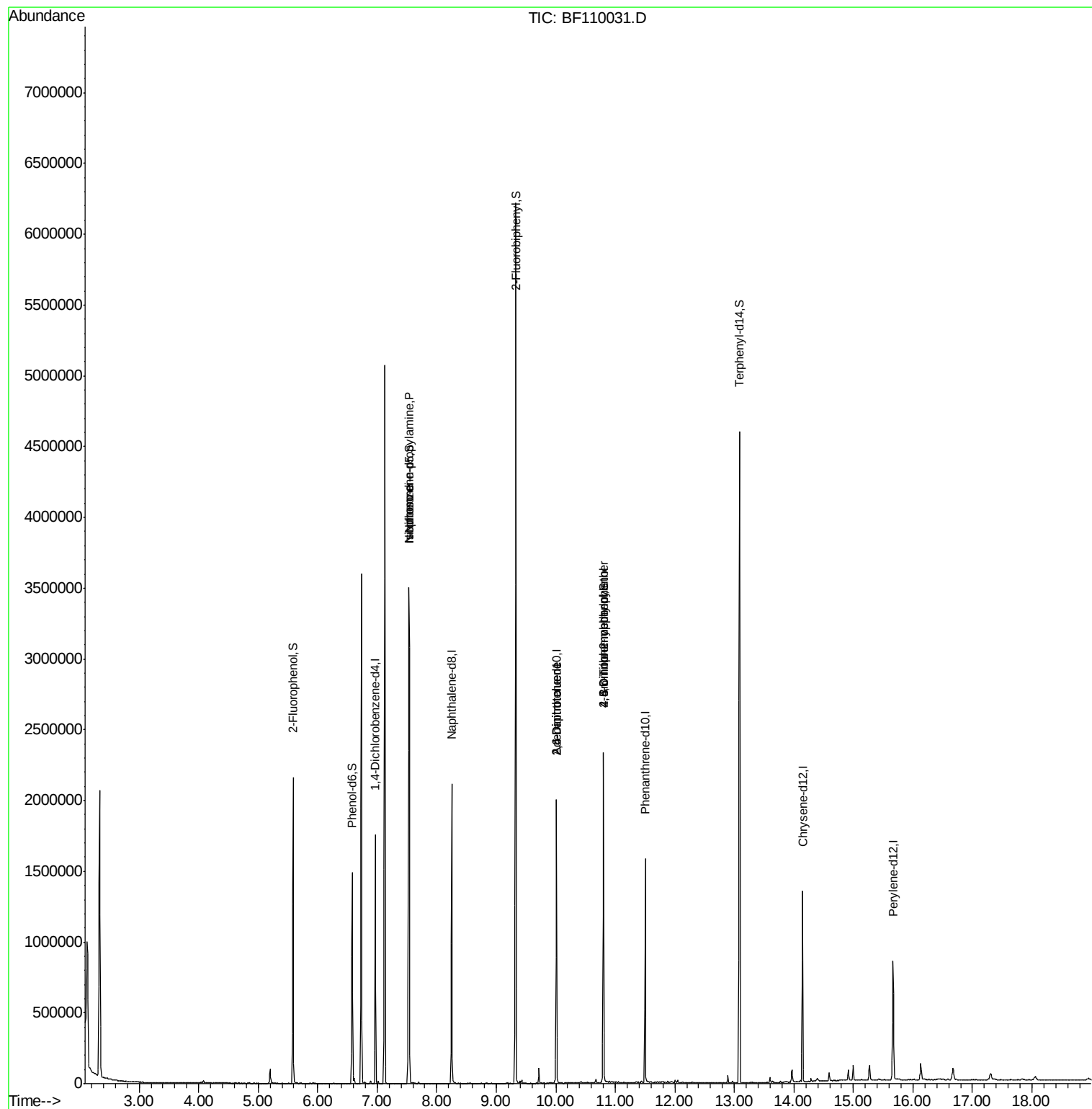
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	230108	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	875145	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	378996	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	587272	20.00	ng	0.00
76) Chrysene-d12	14.14	240	403790	20.00	ng	0.00
87) Perylene-d12	15.67	264	337185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	541699	37.32	ng	0.00
7) Phenol-d6	6.58	99	418475	23.22	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1352156	104.08	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	269573	82.16	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	2145434	90.33	ng	0.00
79) Terphenyl-d14	13.09	244	1629636	84.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	179940	15.547	ng	# 81
25) Isophorone	7.53	82	1352143	52.970	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	48091	9.435	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	48091	11.339	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	433	8.074	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	17355	2.727	ng	# 1

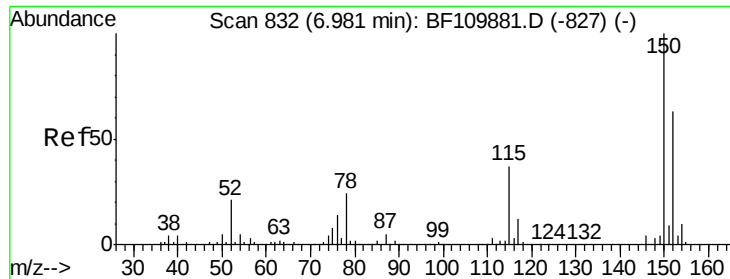
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



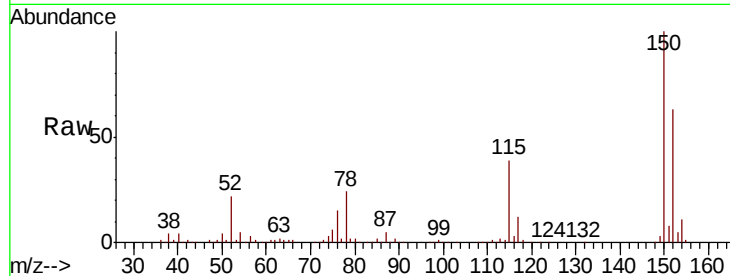


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	62.1	49.1	73.7

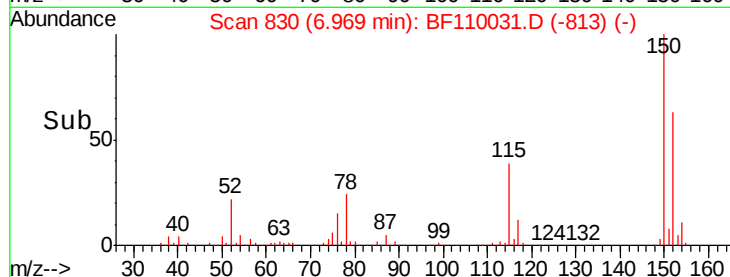
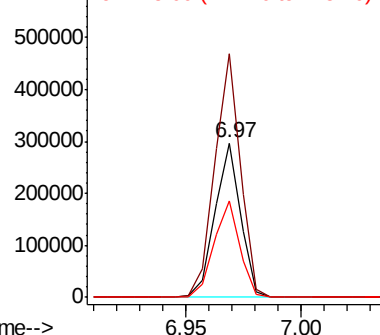


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

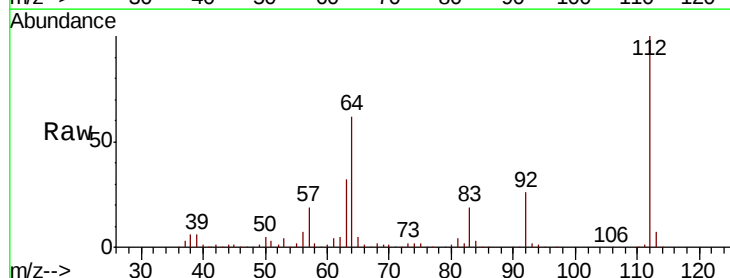
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.316 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	44.1	66.1
63	31.7	23.7	35.5

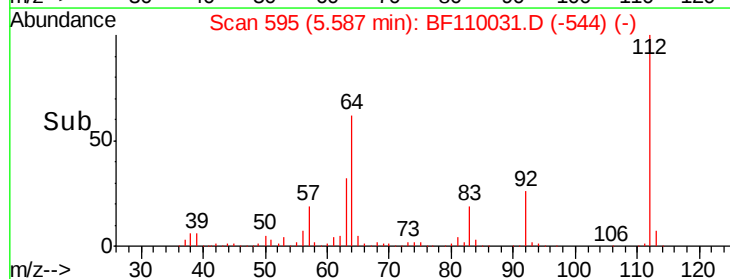
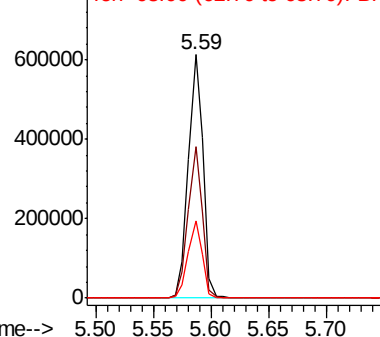


Abundance

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: 23.215 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

Instrument :

BNA_F

ClientSampleId :

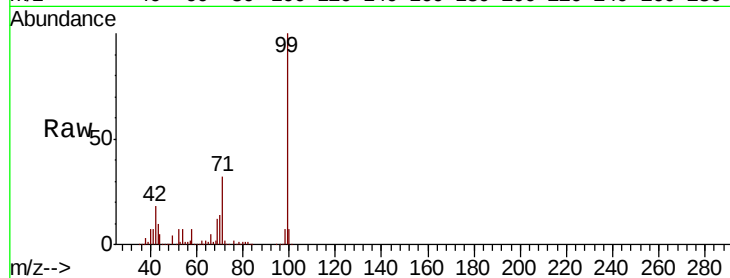
Tot Ion: 99 Resp: 418475

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

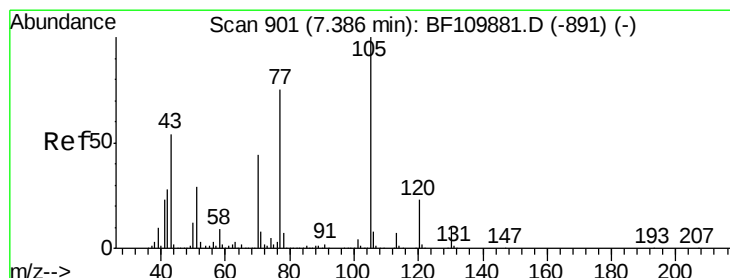
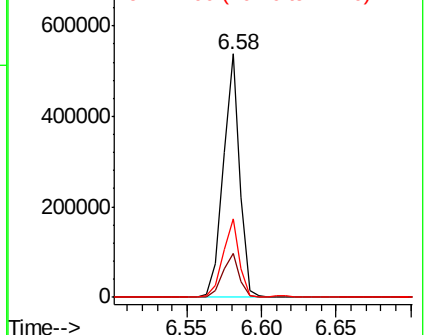
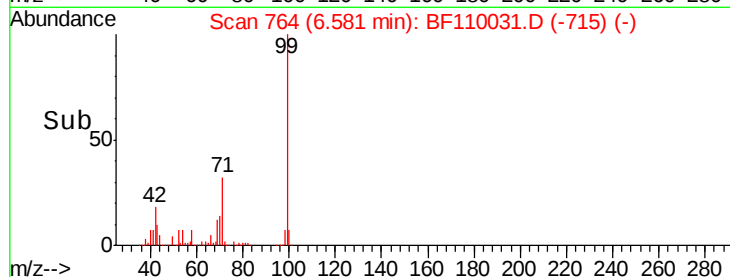
71 32.5 28.0 42.0



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: 15.547 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

Tgt Ion: 70 Resp: 179940

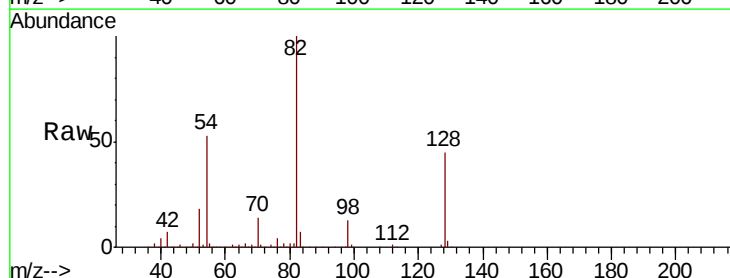
Ion Ratio Lower Upper

70 100

42 50.7 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#

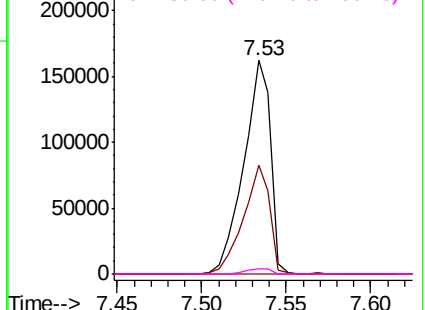
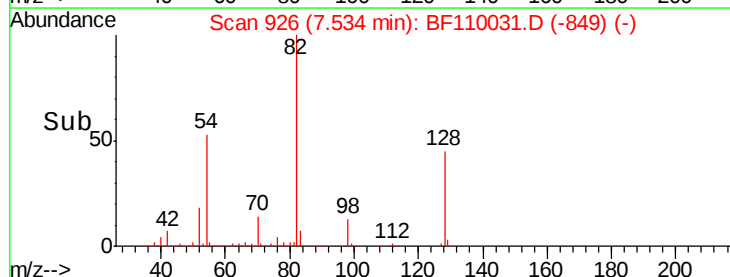


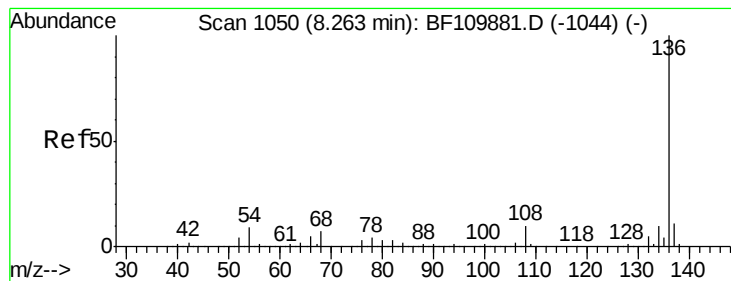
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): 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. -0.01 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 875145

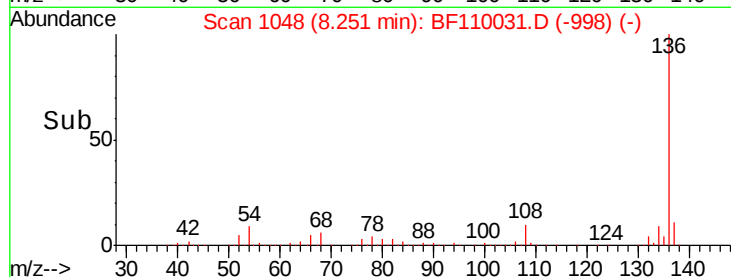
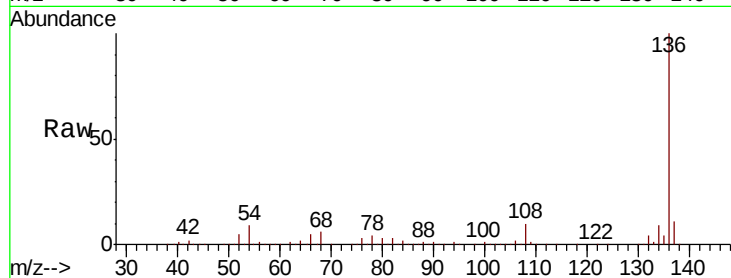
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.7 5.4 8.2#

68 5.8 4.2 6.2

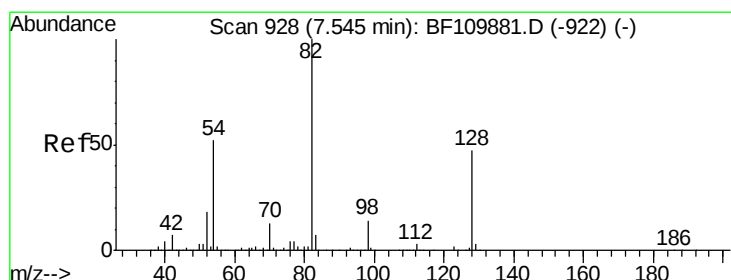
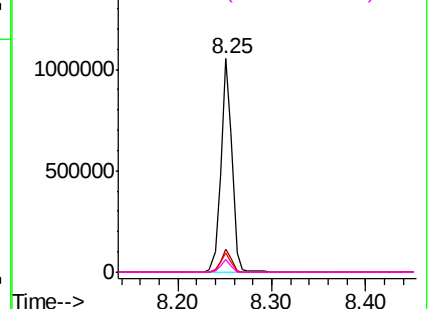


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.082 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

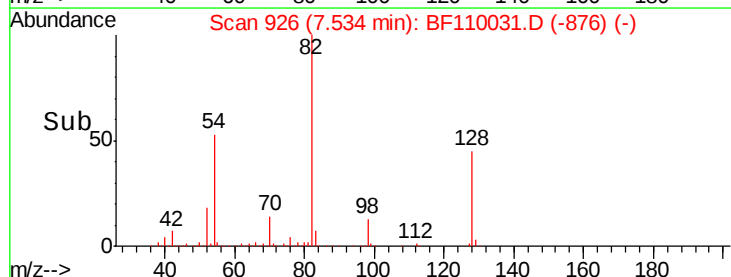
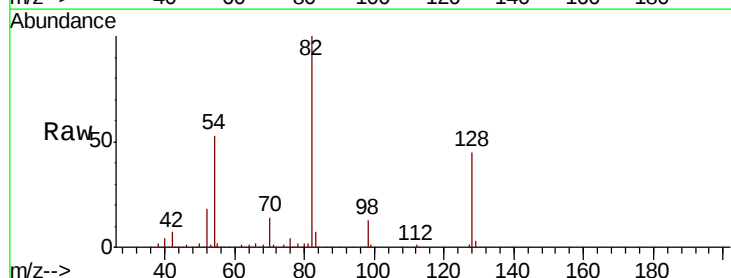
Tgt Ion: 82 Resp: 1352156

Ion Ratio Lower Upper

82 100

128 44.8 34.2 51.2

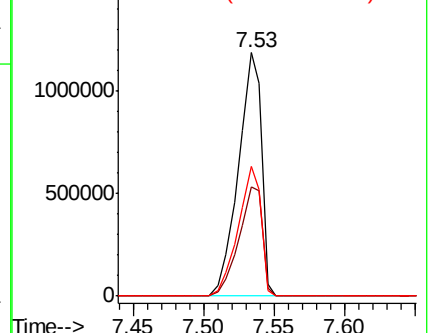
54 53.2 38.6 58.0

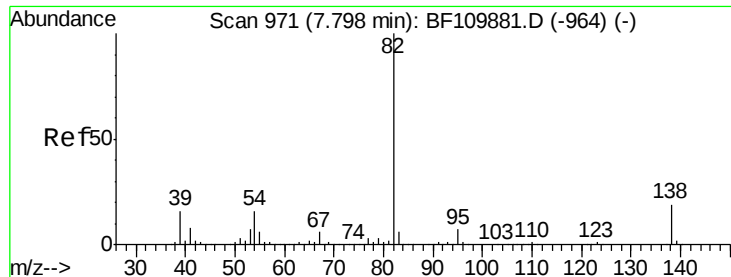


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.970 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

Instrument :

BNA_F

ClientSampleId :

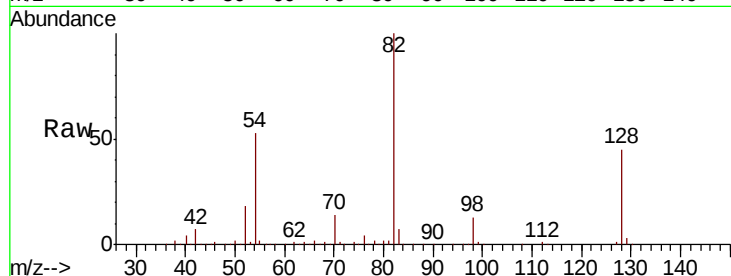
Tot Ion: 82 Resp: 1352143

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

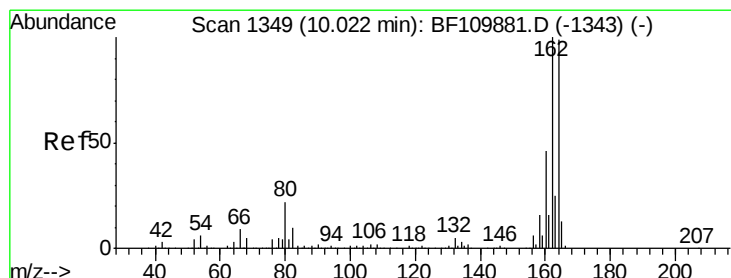
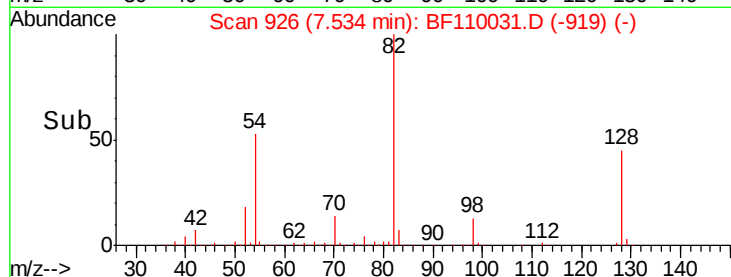
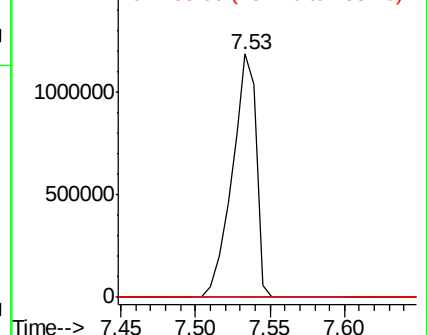
138 0.0 13.2 19.8#



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. -0.01 min

Lab File: BF110031.D

Acq: 20 Oct 2018 5:08

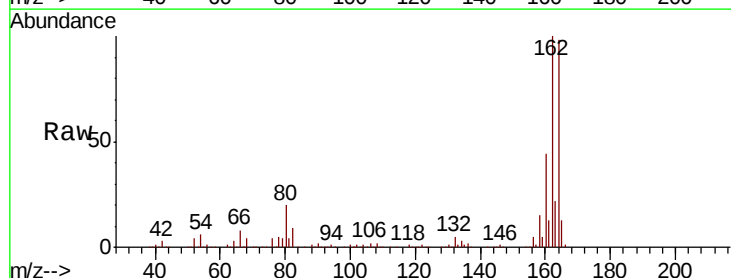
Tgt Ion:164 Resp: 378996

Ion Ratio Lower Upper

164 100

162 102.5 83.0 124.6

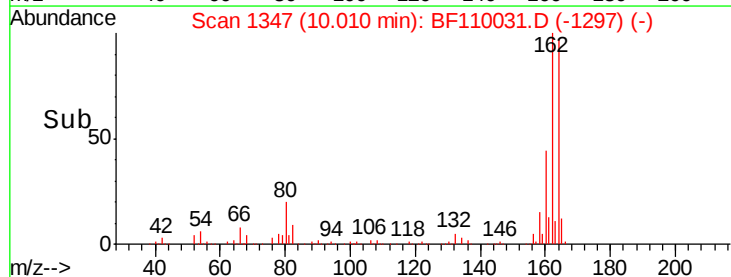
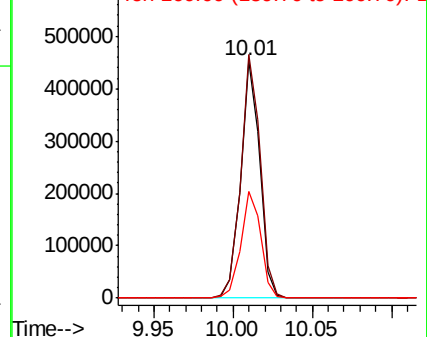
160 45.0 37.0 55.6

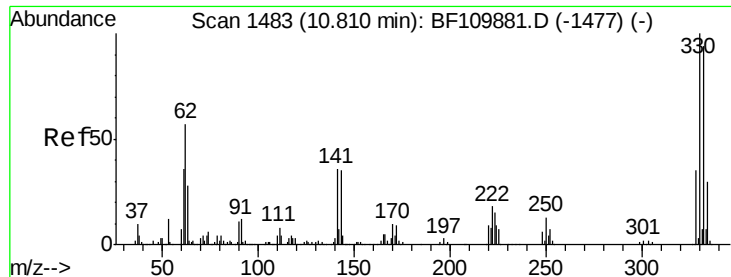


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

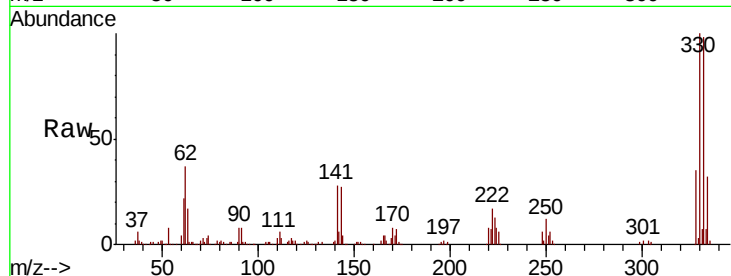




#42
 2,4,6-Tribromophenol
 Concen: 82.156 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: BF110031.D
 Acq: 20 Oct 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	37.0	27.0	40.4

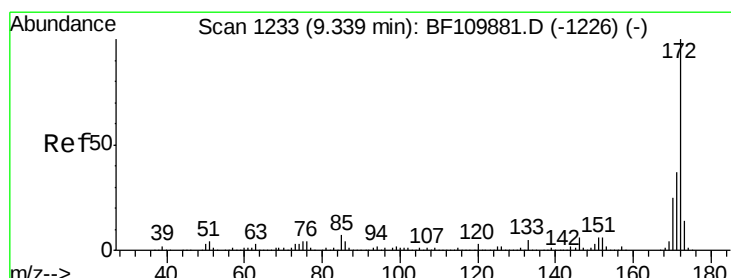
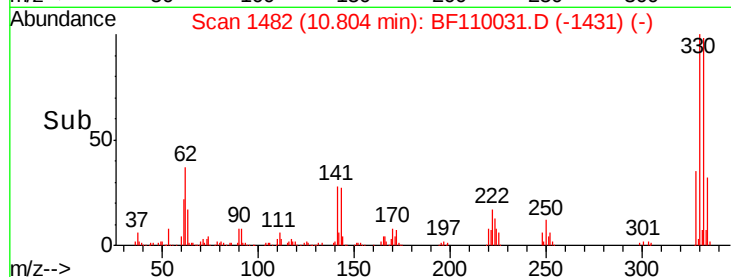
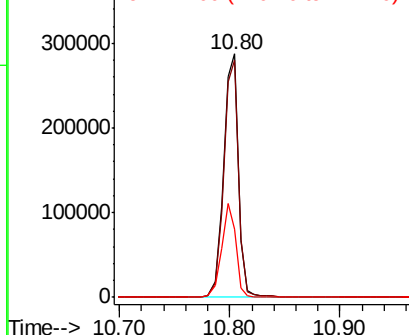


Abundance

Ion 329.80 (329.50 to 330.50): E

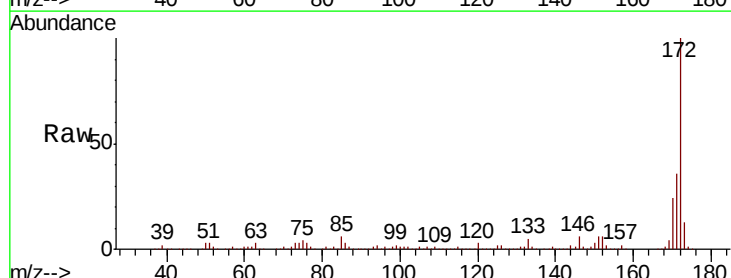
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.327 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF110031.D
 Acq: 20 Oct 2018 5:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.2	19.7	29.5

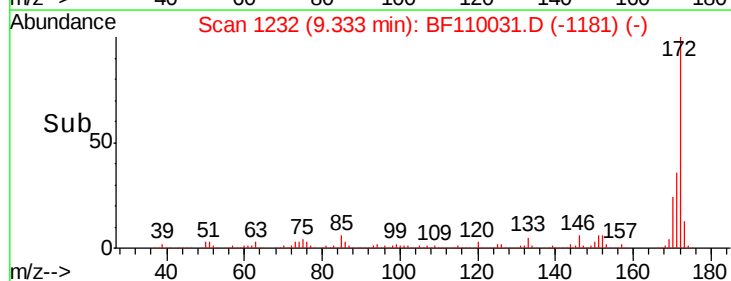
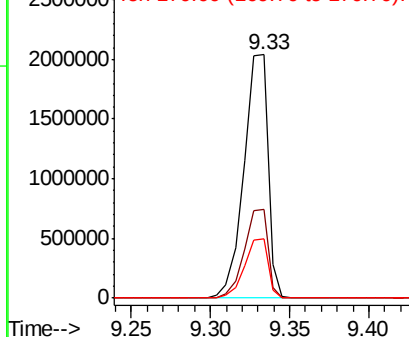


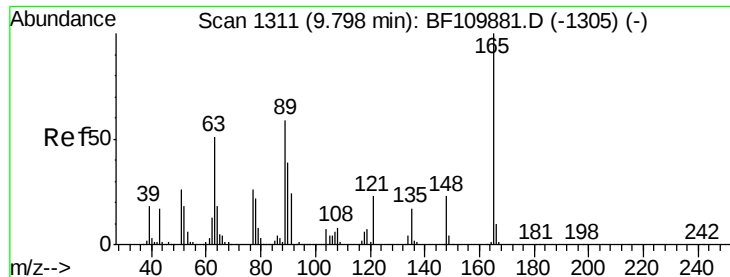
Abundance

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

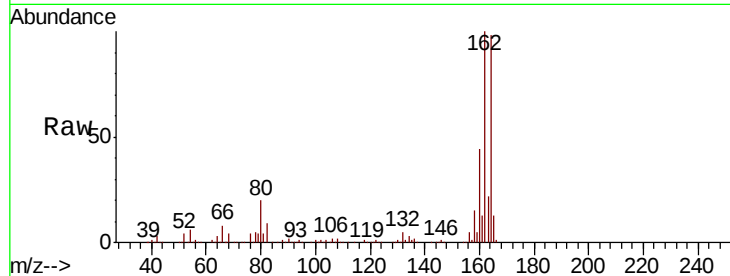




#51
2,6-Dinitrotoluene
Concen: 9.435 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.22 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	48.9	73.3#
89	1.4	46.6	69.8#

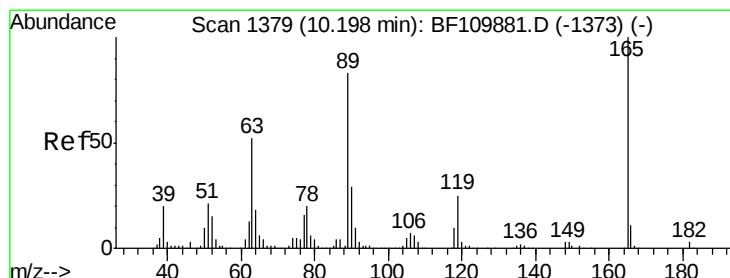
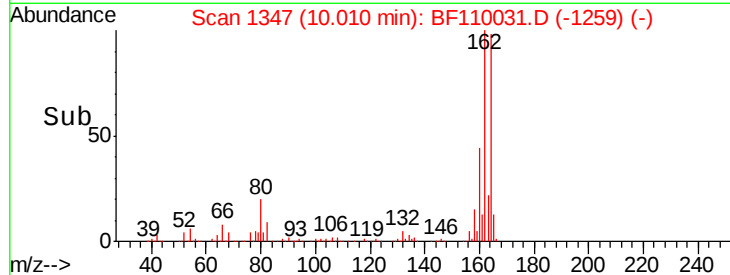
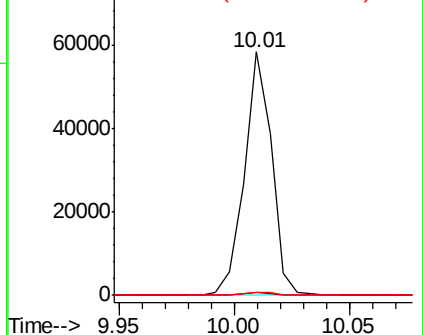


Abundance

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: 11.339 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#

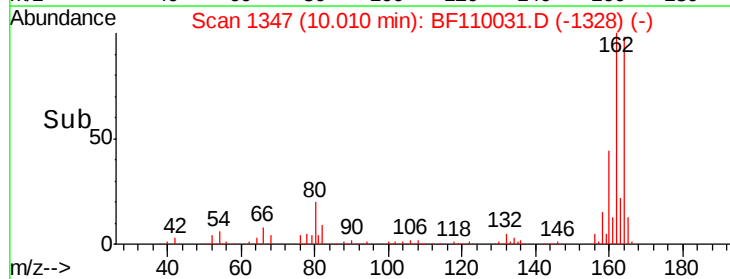
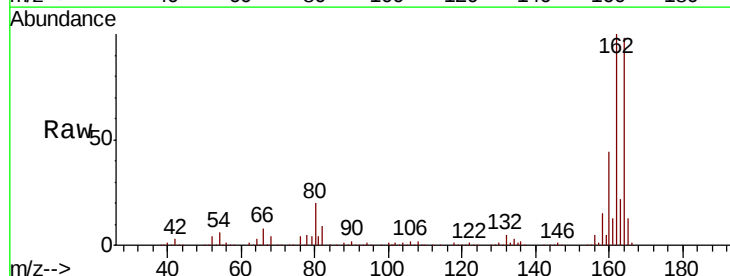
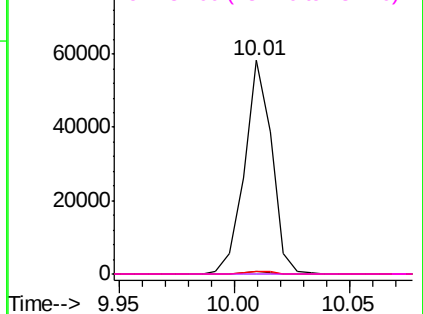
Abundance

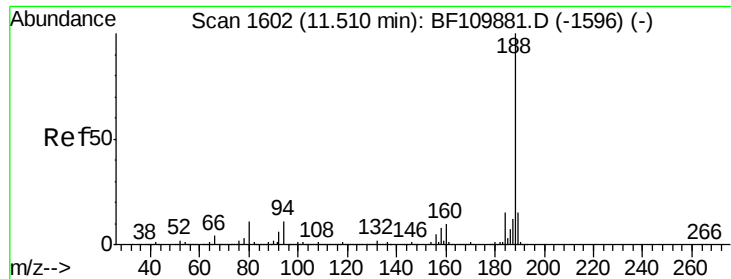
Ion 165.00 (164.70 to 165.70): E

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

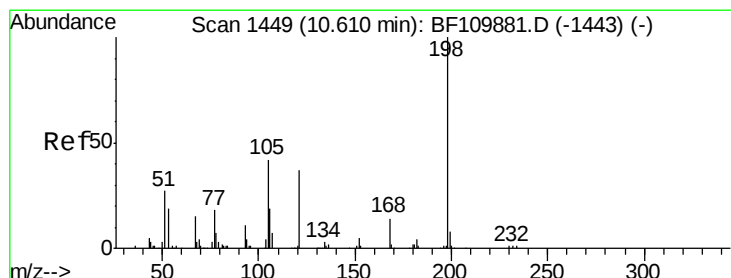
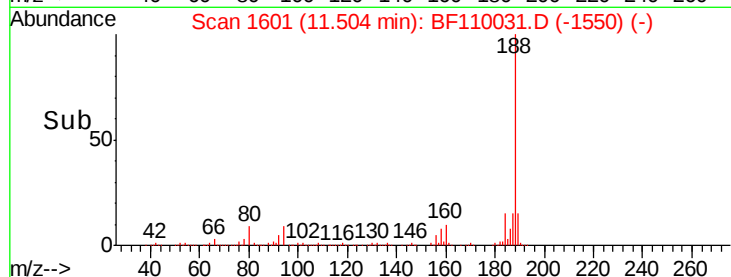
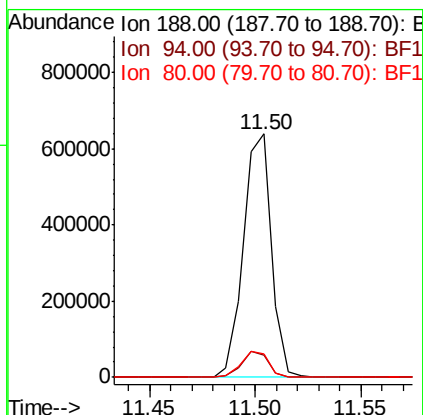
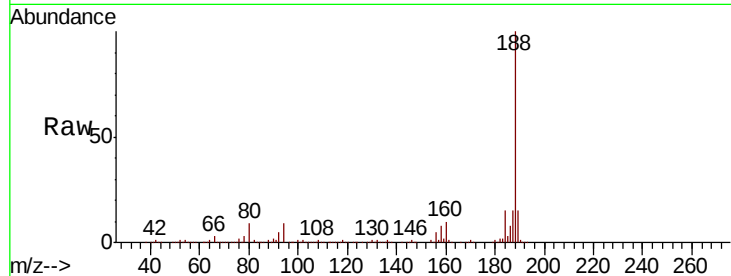




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

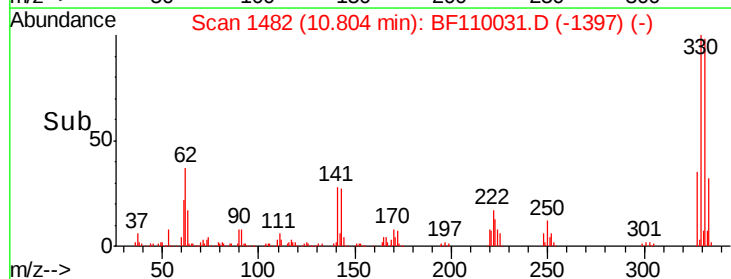
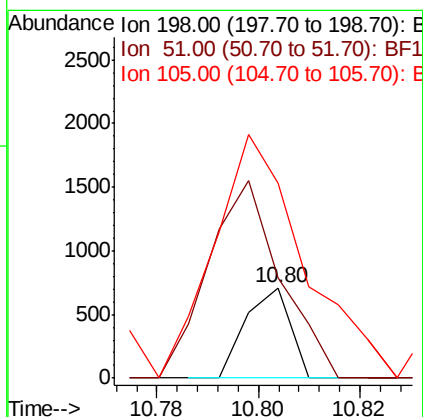
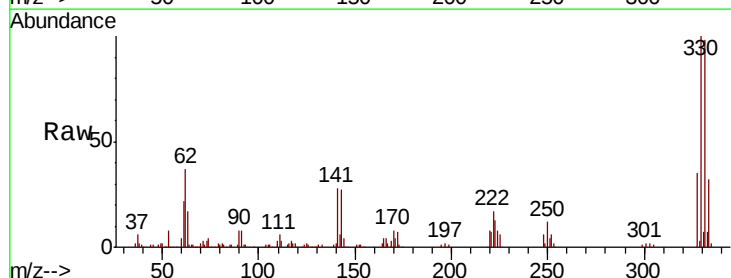
Instrument :
BNA_F
ClientSampleId :

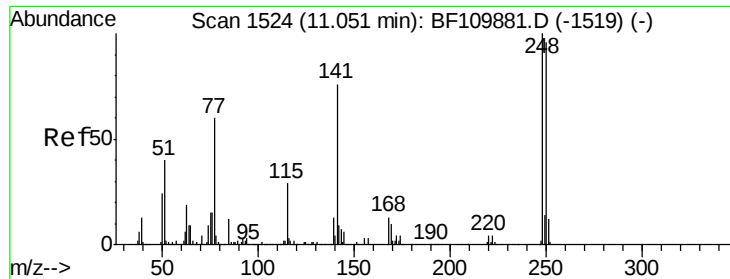
Tot Ion:188 Resp: 587272
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.5 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 8.074 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.20 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Tgt Ion:198 Resp: 433
Ion Ratio Lower Upper
198 100
51 111.1 22.8 62.8#
105 215.0 23.6 63.6#

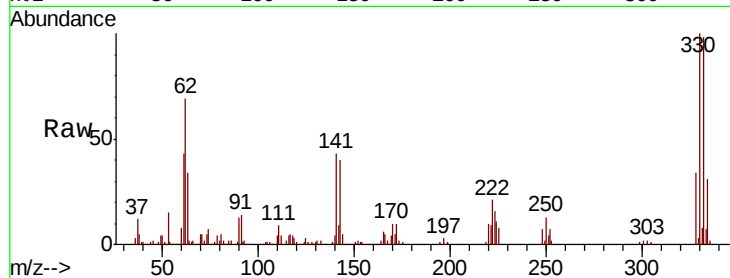




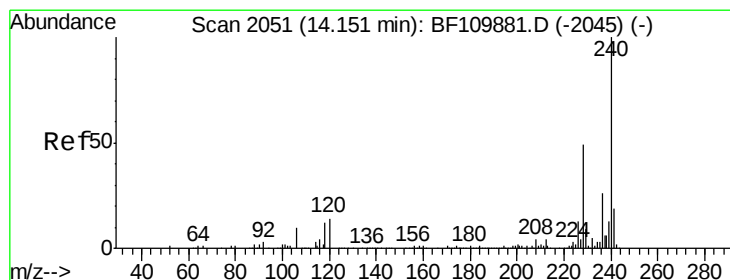
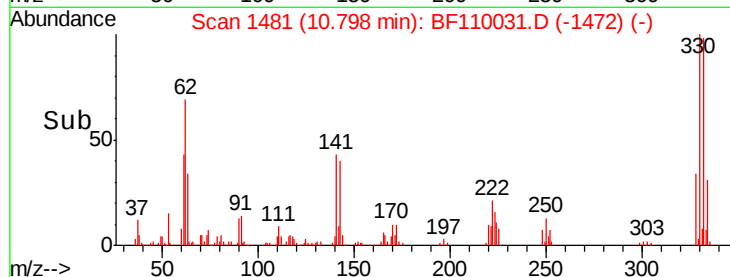
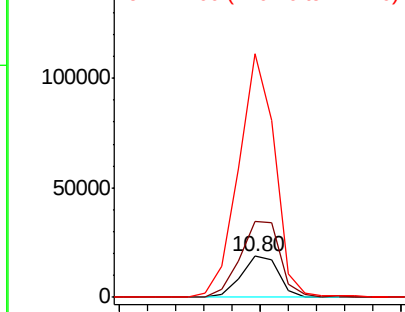
#67
4-Bromophenyl-phenylether
Concen: 2.727 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.25 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17355
Ion Ratio Lower Upper
248 100
250 186.7 79.4 119.2#
141 596.9 55.9 83.9#

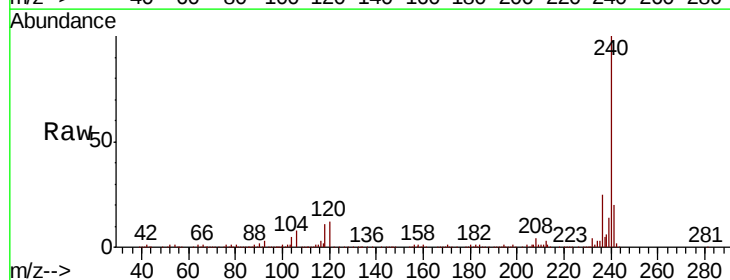


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

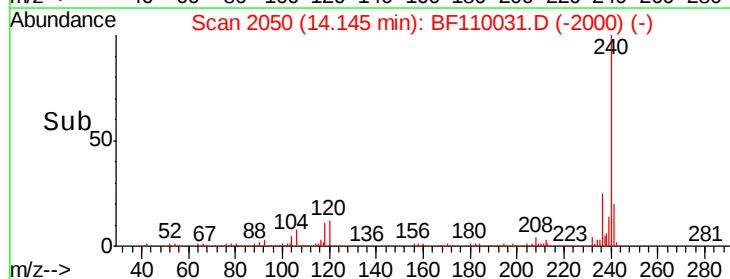
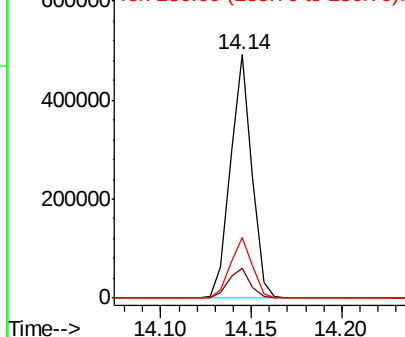


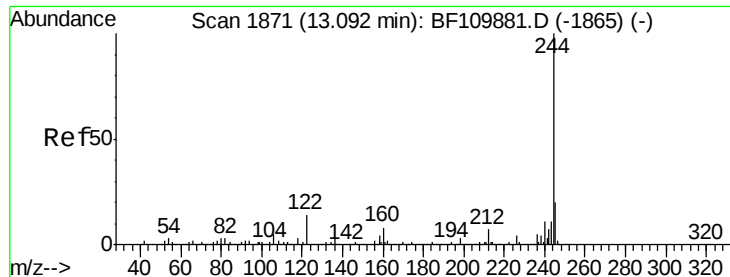
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110031.D
Acq: 20 Oct 2018 5:08

Tgt Ion:240 Resp: 403790
Ion Ratio Lower Upper
240 100
120 12.3 8.3 12.5
236 24.8 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

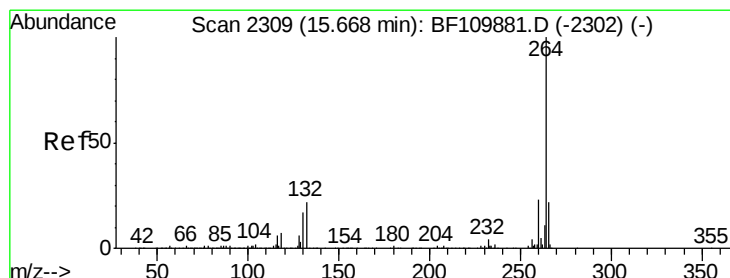
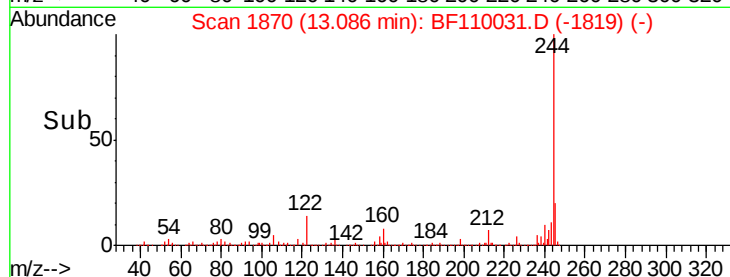
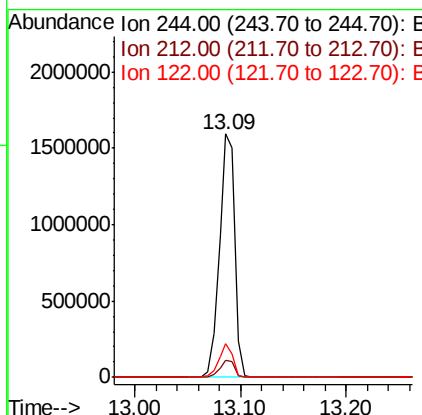
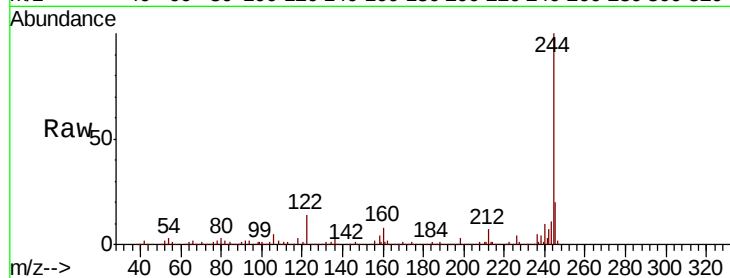




#79
 Terphenyl-d14
 Concen: 84.750 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: BF110031.D
 Acq: 20 Oct 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1629636
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.7 8.7 13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: BF110031.D
 Acq: 20 Oct 2018 5:08

Tgt Ion:264 Resp: 337185
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.1 16.7 25.1

