

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109889.D
 Acq On : 15 Oct 2018 19:53
 Operator : JU/SJ
 Sample : PB113836BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:24:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

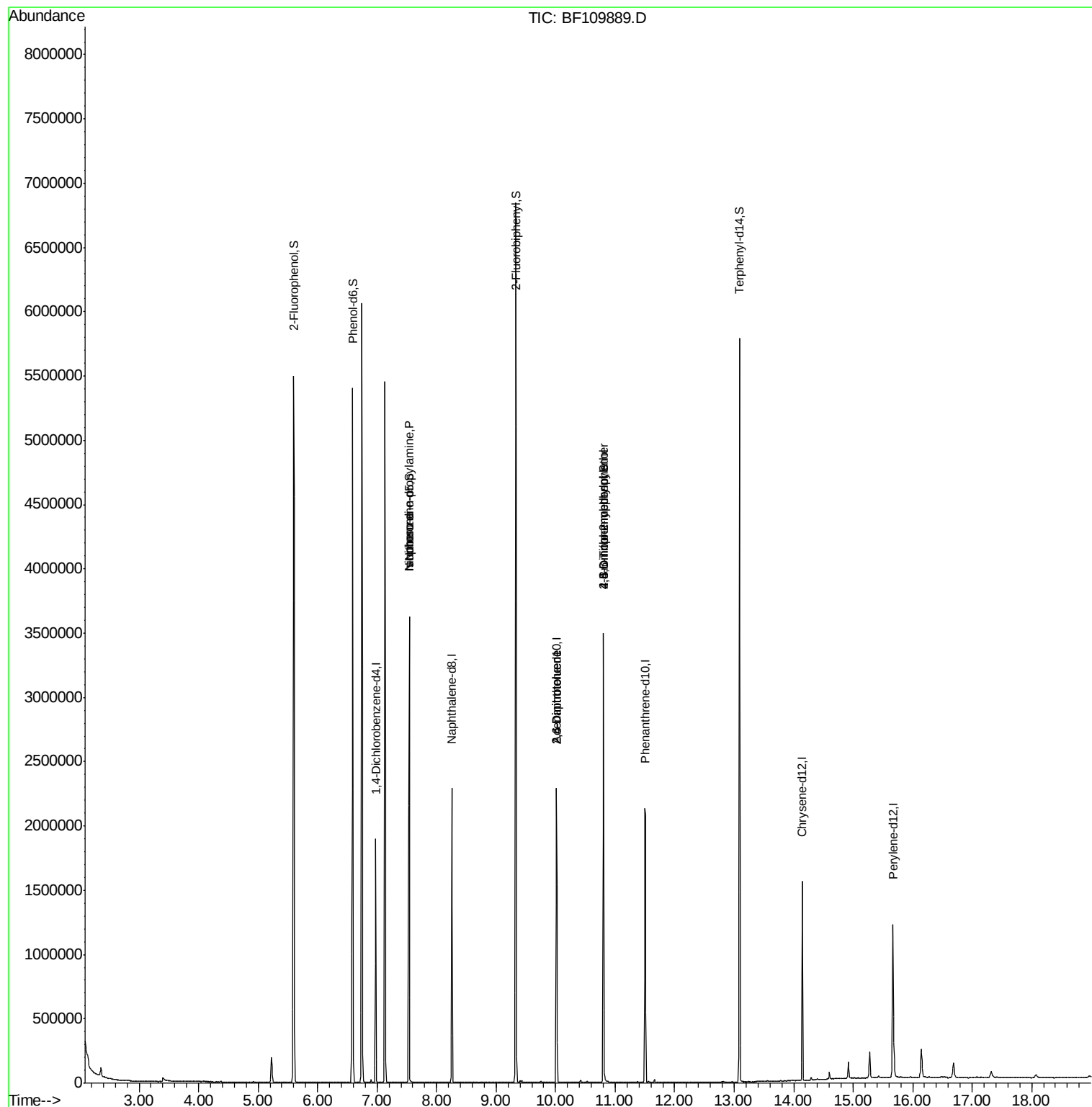
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	252487	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	976427	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	448563	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	798245	20.00	ng	0.00
76) Chrysene-d12	14.14	240	497113	20.00	ng	0.00
87) Perylene-d12	15.67	264	499282	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1694494	106.38	ng	0.00
7) Phenol-d6	6.59	99	2139557	108.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	1295455	89.37	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	423530	109.06	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	2278363	81.05	ng	0.00
79) Terphenyl-d14	13.09	244	1915951	80.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	175560	13.824	ng	# 78
25) Isophorone	7.54	82	1295438	45.485	ng	# 67
51) 2,6-Dinitrotoluene	10.02	165	56678	9.395	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	56678	11.310	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	928	8.173	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	27350	3.162	ng	# 1

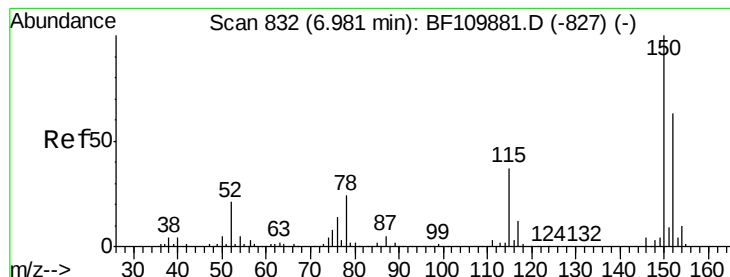
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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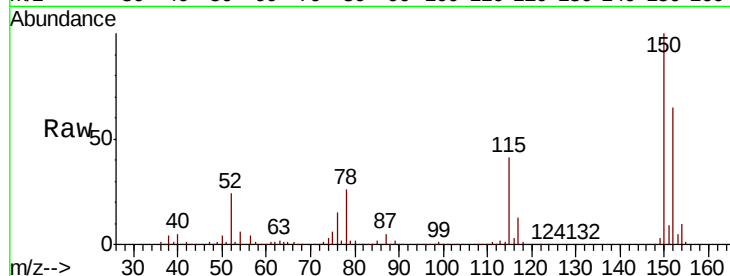




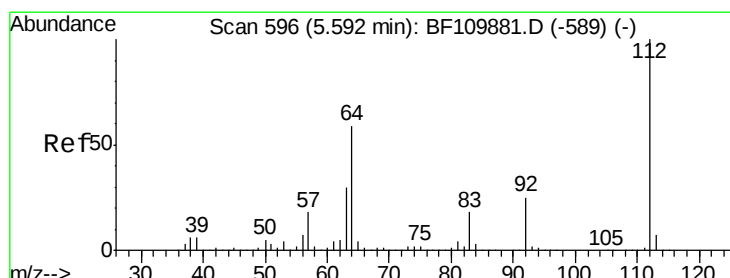
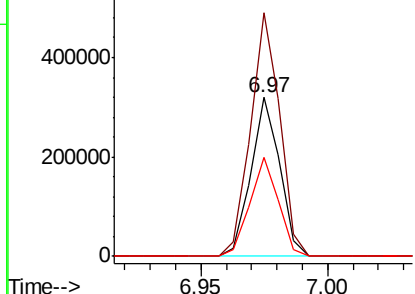
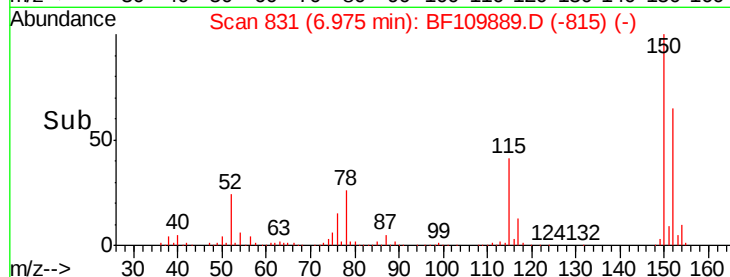
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF109889.D
 Acq: 15 Oct 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 252487
 Ion Ratio Lower Upper
 152 100
 150 153.3 122.7 184.1
 115 62.5 49.1 73.7

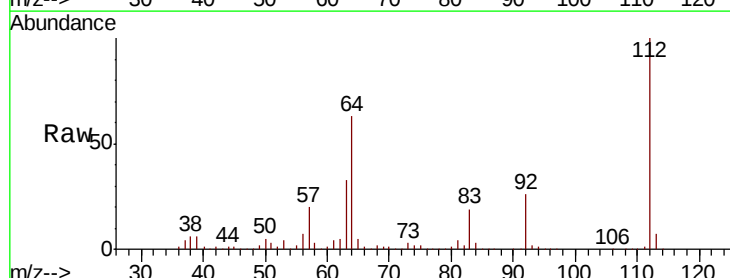


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

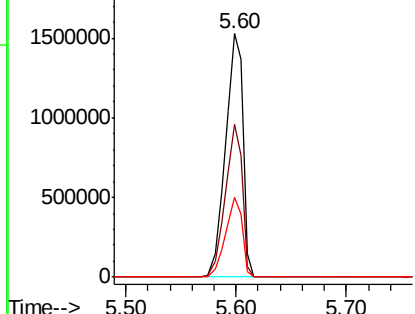
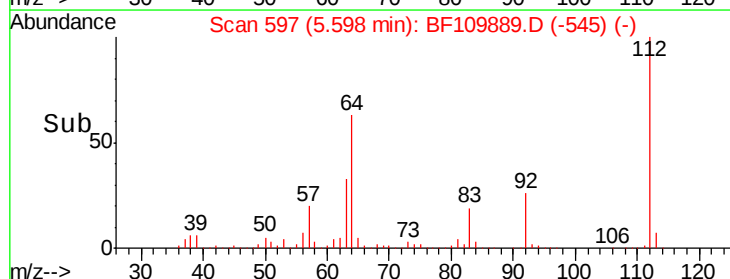


#5
 2-Fluorophenol
 Concen: 106.382 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF109889.D
 Acq: 15 Oct 2018 19:53

Tgt Ion:112 Resp: 1694494
 Ion Ratio Lower Upper
 112 100
 64 62.9 44.1 66.1
 63 32.8 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: 108.174 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

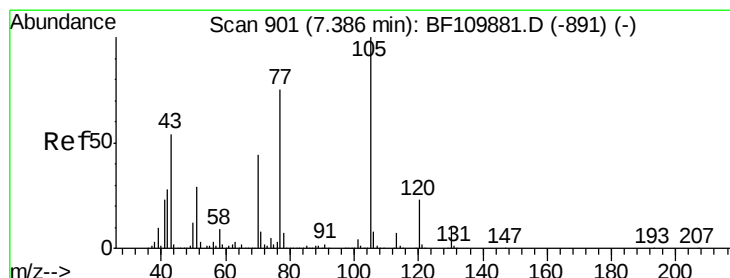
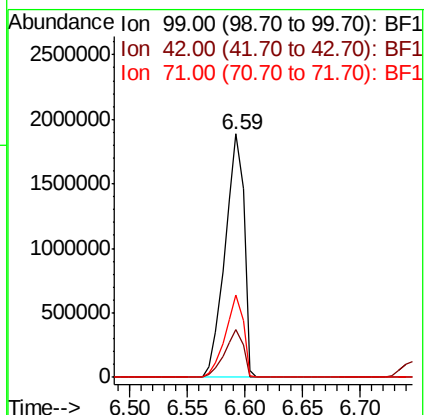
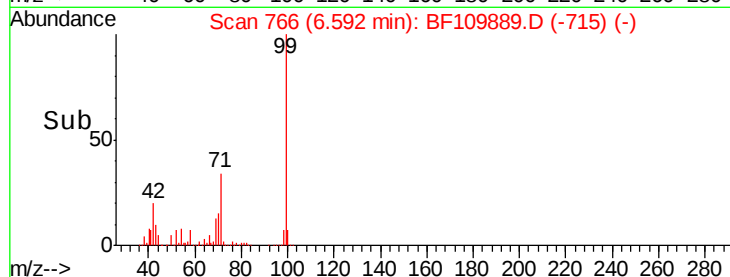
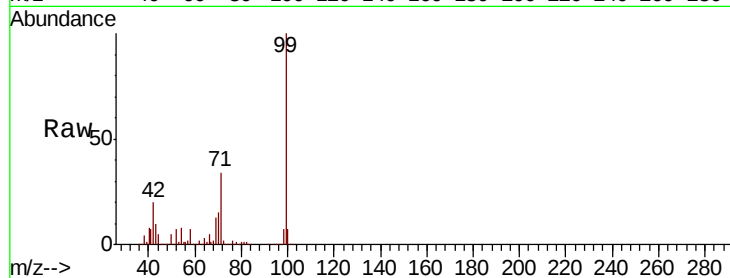
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2139557

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.8	23.6
71	33.8	28.0	42.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.824 ng

RT: 7.54 min Scan# 927

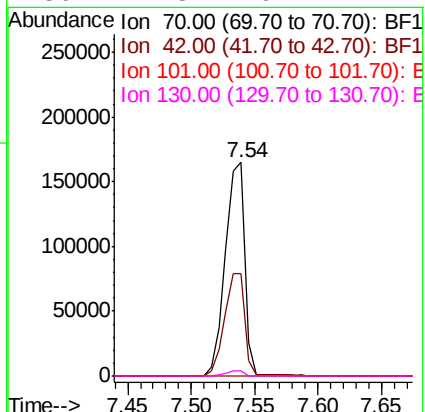
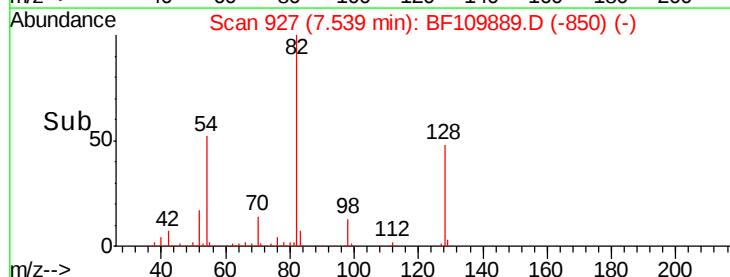
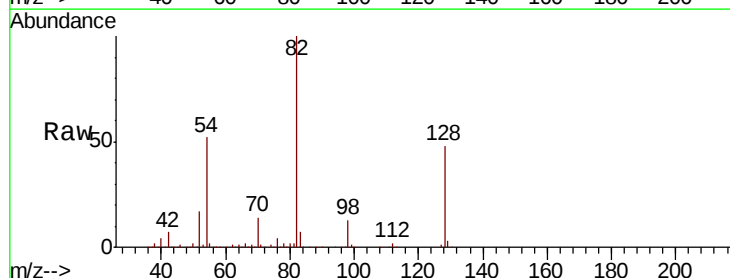
Delta R.T. 0.15 min

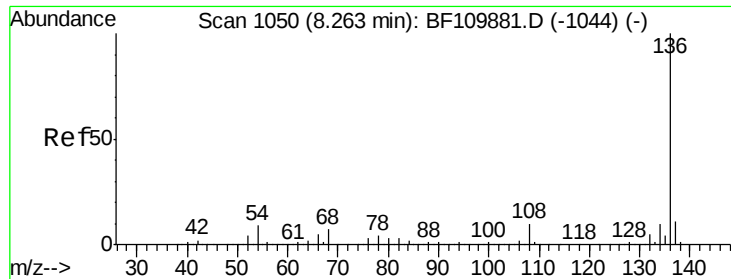
Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Tgt Ion: 70 Resp: 175560

Ion	Ratio	Lower	Upper
70	100		
42	47.7	47.4	71.2
101	0.0	7.3	10.9#
130	2.3	16.2	24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 976427

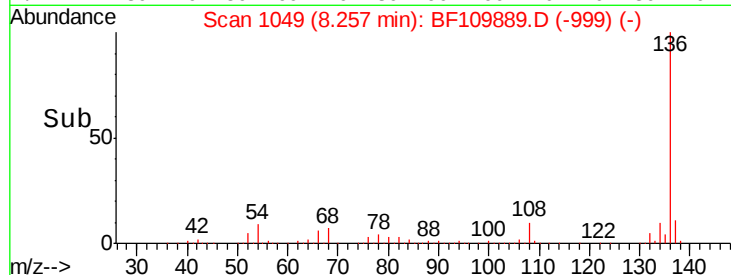
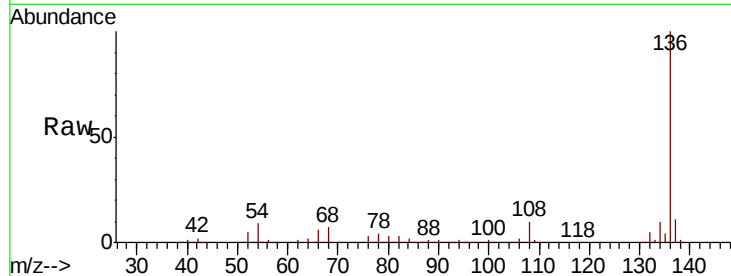
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 8.7 5.4 8.2#

68 6.8 4.2 6.2#

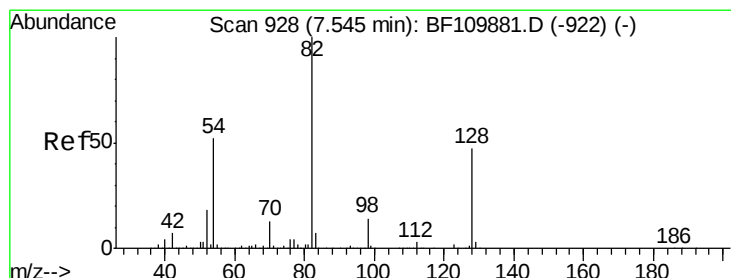
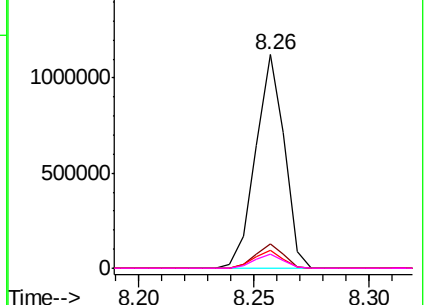


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.374 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

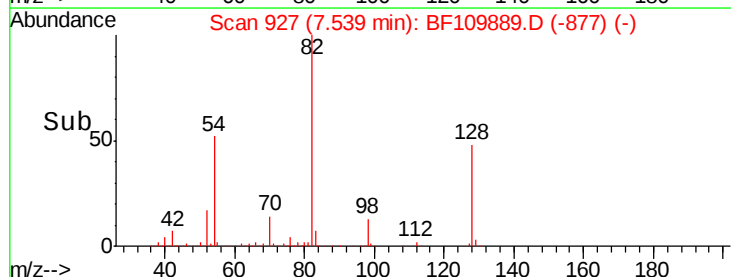
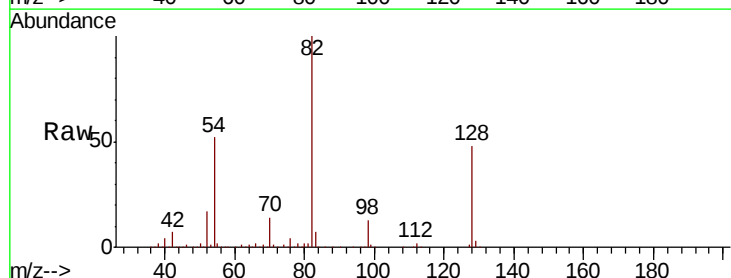
Tgt Ion: 82 Resp: 1295455

Ion Ratio Lower Upper

82 100

128 48.4 34.2 51.2

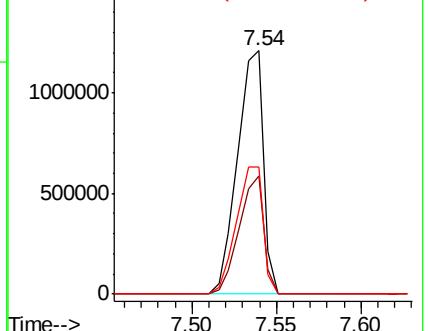
54 52.4 38.6 58.0

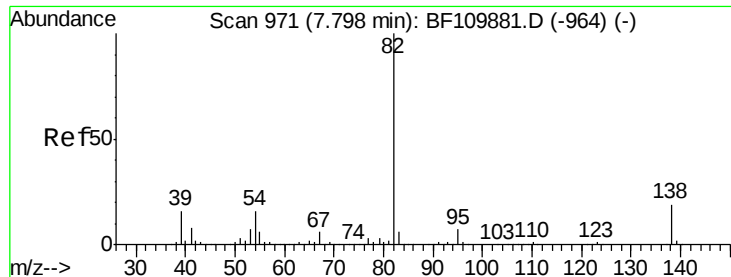


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.485 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

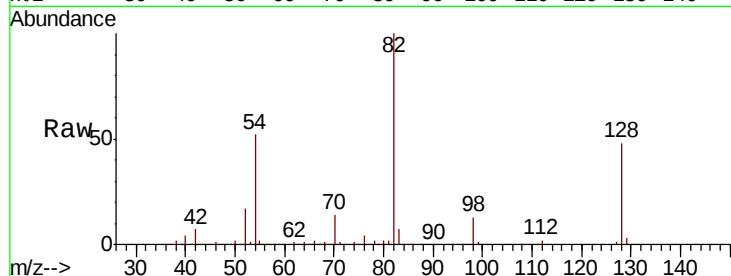
Tot Ion: 82 Resp: 1295438

Ion Ratio Lower Upper

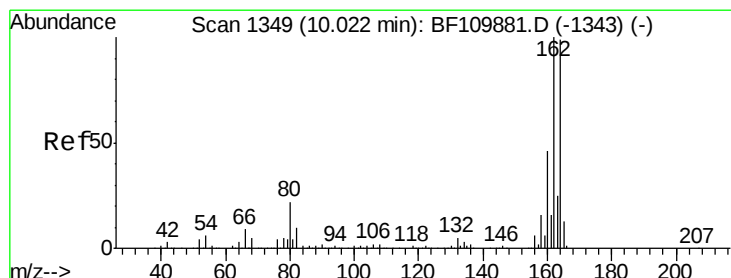
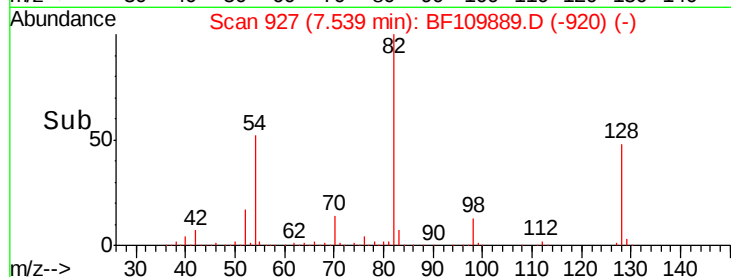
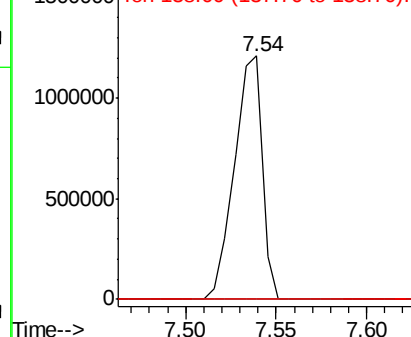
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

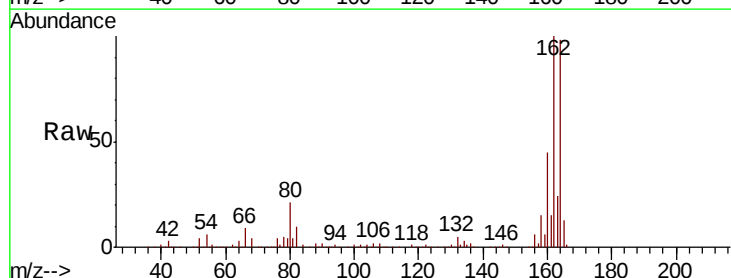
Tgt Ion:164 Resp: 448563

Ion Ratio Lower Upper

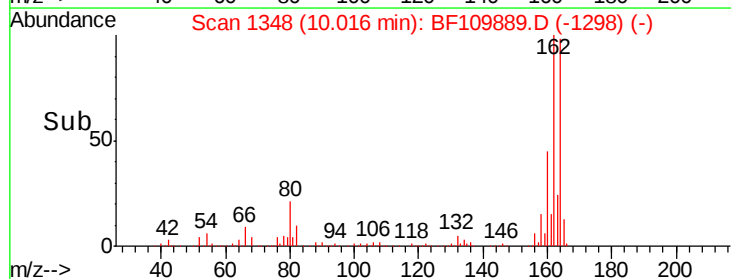
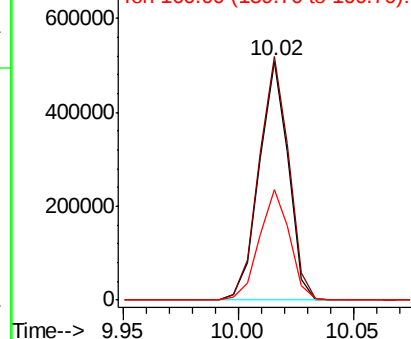
164 100

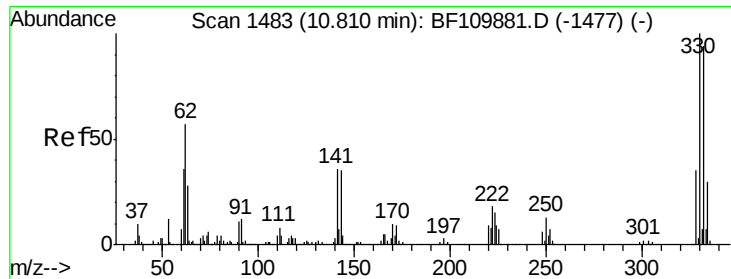
162 102.0 83.0 124.6

160 46.1 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

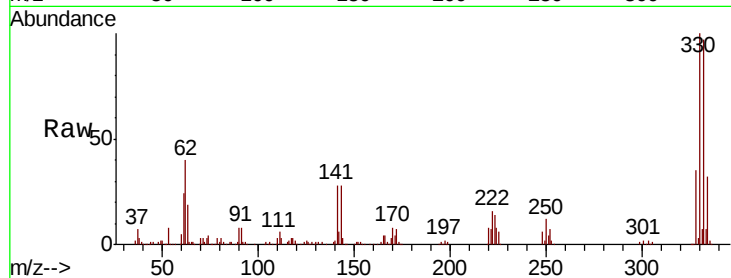




#42
 2,4,6-Tribromophenol
 Concen: 109.058 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF109889.D
 Acq: 15 Oct 2018 19:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	36.4	27.0	40.4

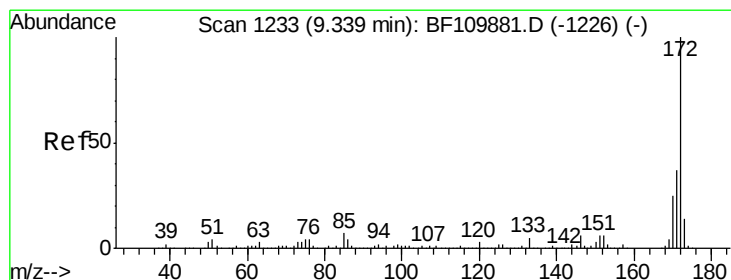
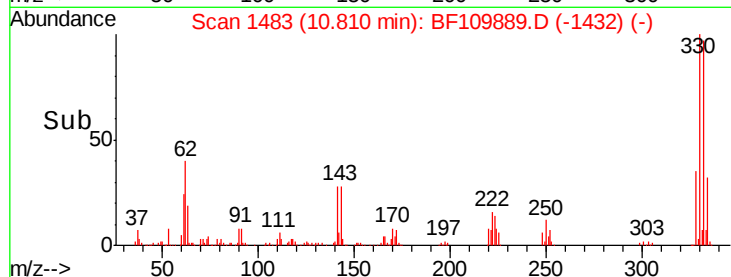
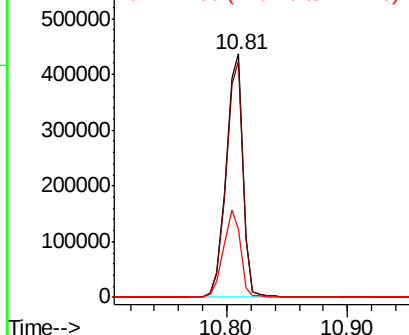


Abundance

Ion 329.80 (329.50 to 330.50): E

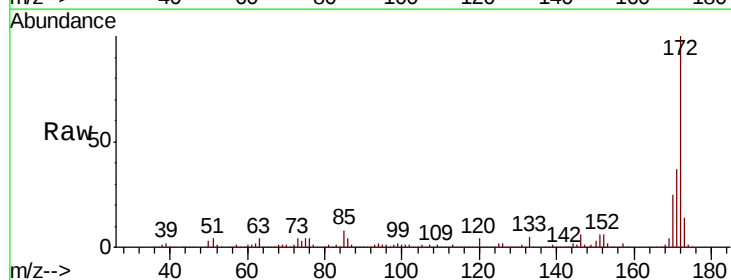
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.047 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109889.D
 Acq: 15 Oct 2018 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	43.0
170	25.1	19.7	29.5

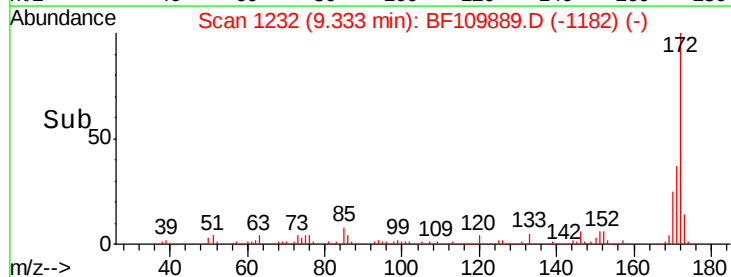
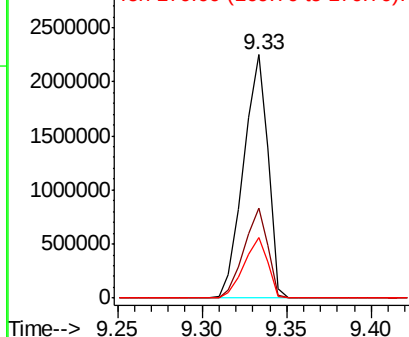


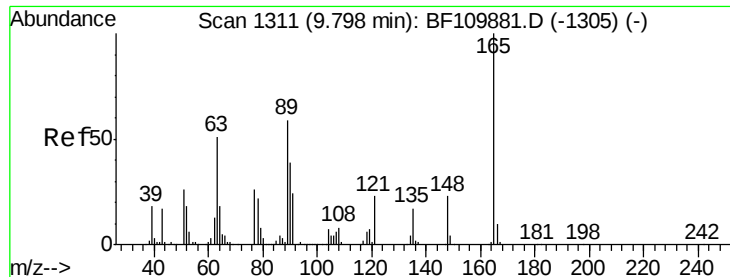
Abundance

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: 9.395 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Instrument :

BNA_F

ClientSampleId :

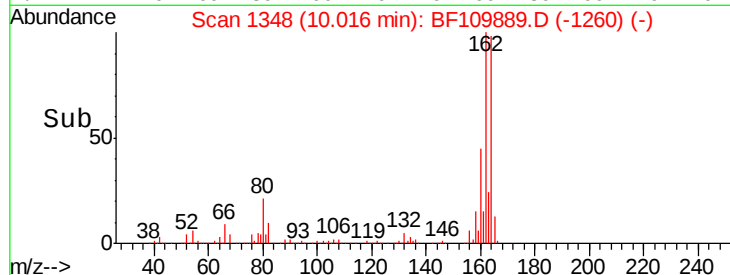
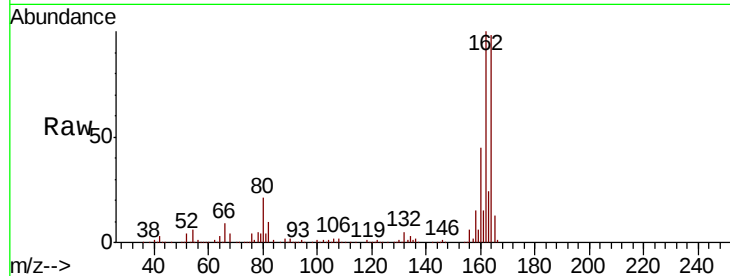
Tot Ion:165 Resp: 56678

Ion Ratio Lower Upper

165 100

63 1.3 48.9 73.3#

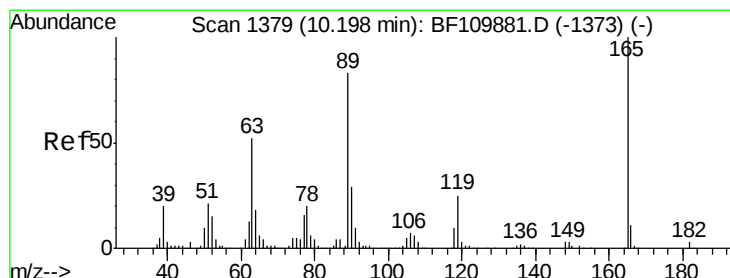
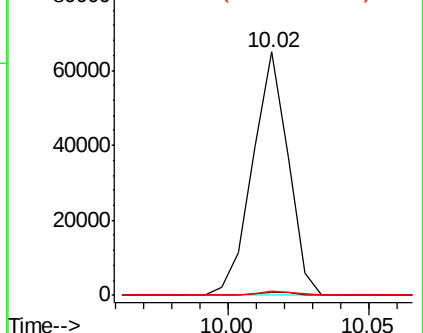
89 1.8 46.6 69.8#



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: 11.310 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.18 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Tgt Ion:165 Resp: 56678

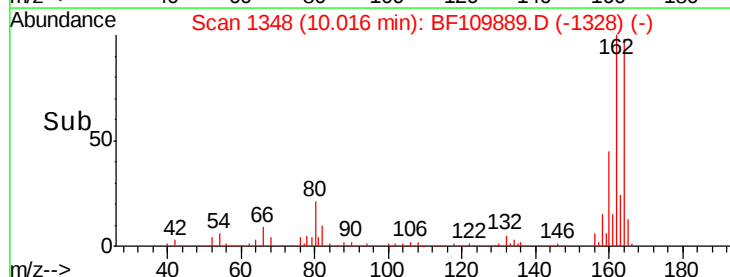
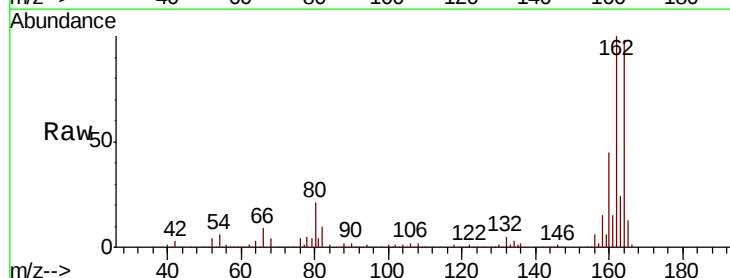
Ion Ratio Lower Upper

165 100

63 1.3 44.8 67.2#

89 1.8 62.2 93.4#

182 0.0 2.1 3.1#

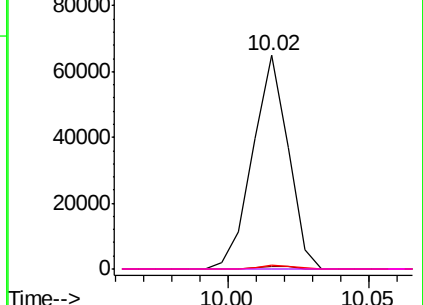


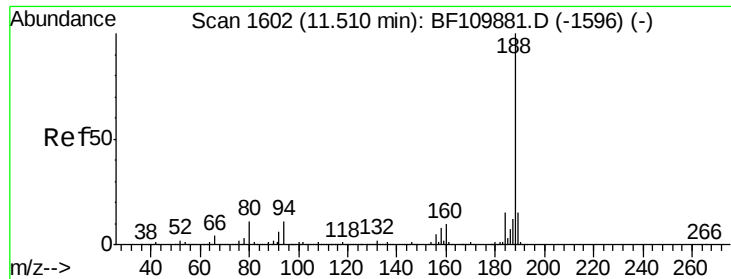
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

Instrument :

BNA_F

ClientSampled :

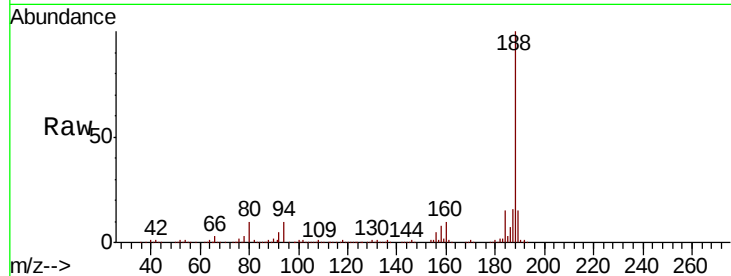
Tot Ion:188 Resp: 798245

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

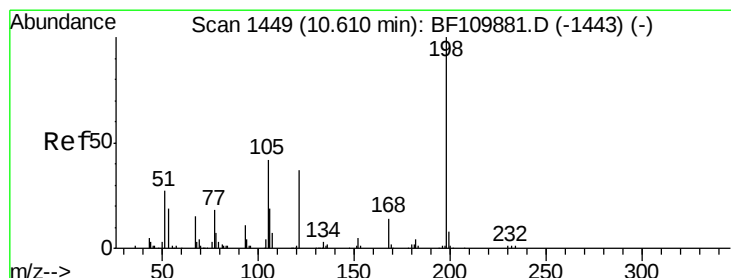
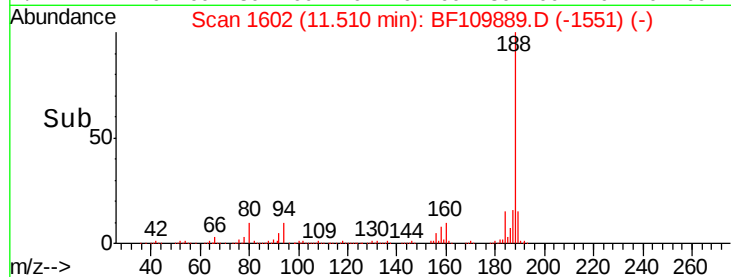
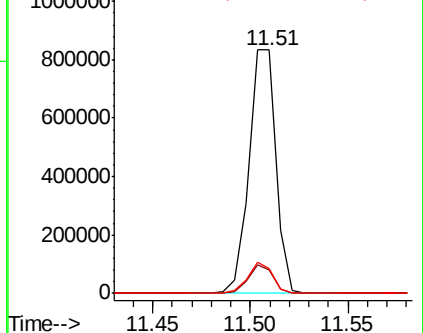
80 9.9 7.9 11.9



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: 8.173 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.20 min

Lab File: BF109889.D

Acq: 15 Oct 2018 19:53

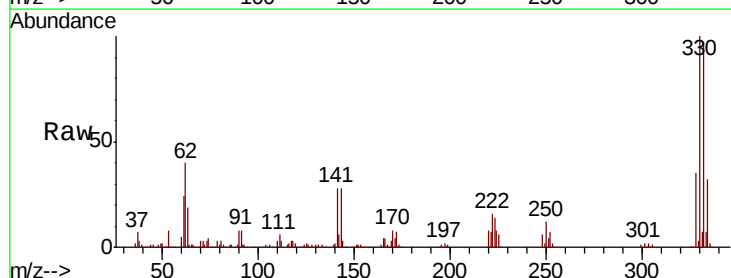
Tgt Ion:198 Resp: 928

Ion Ratio Lower Upper

198 100

51 183.8 22.8 62.8#

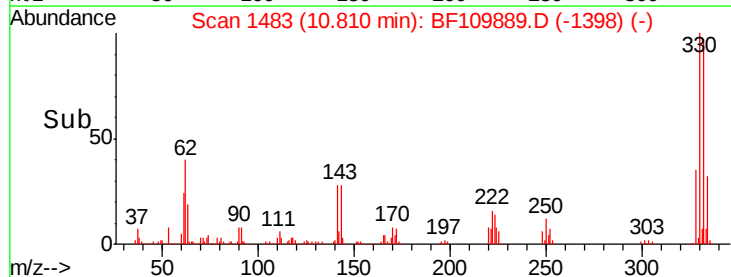
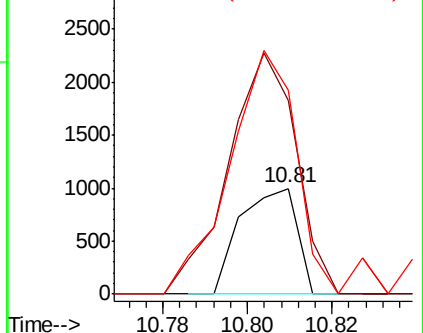
105 193.8 23.6 63.6#

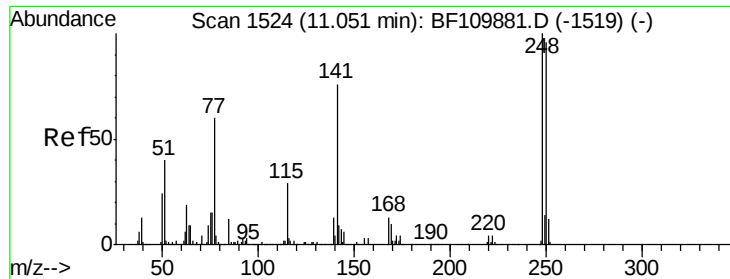


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

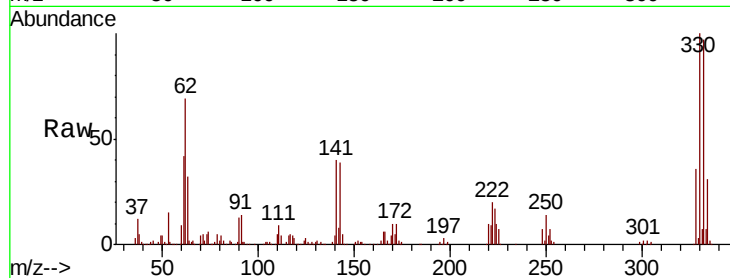




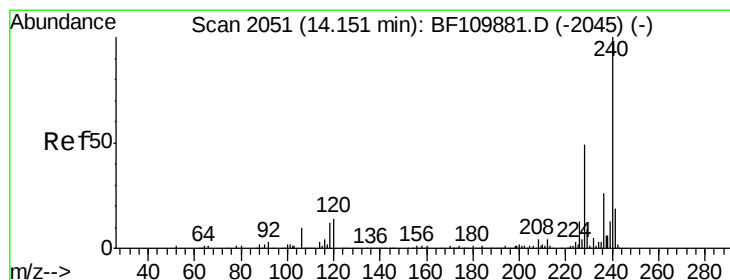
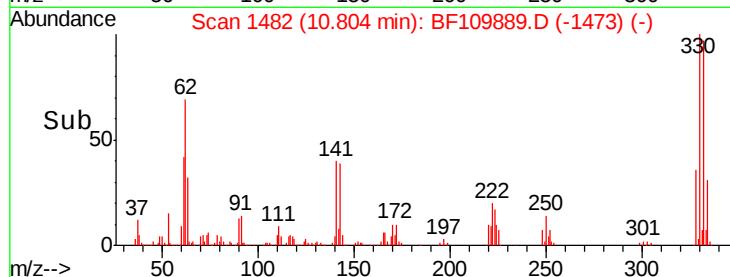
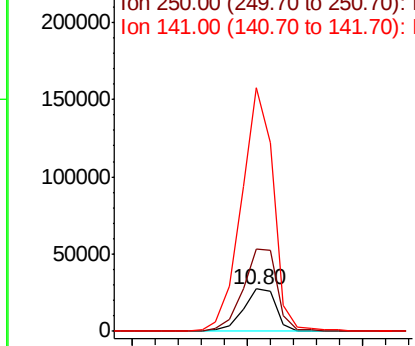
#67
4-Bromophenyl-phenylether
Concen: 3.162 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF109889.D
Acq: 15 Oct 2018 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27350
Ion Ratio Lower Upper
248 100
250 196.8 79.4 119.2#
141 578.8 55.9 83.9#

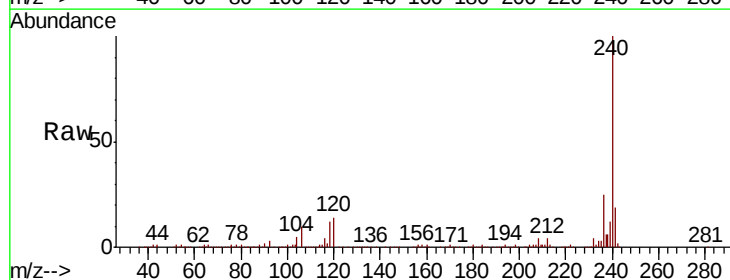


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

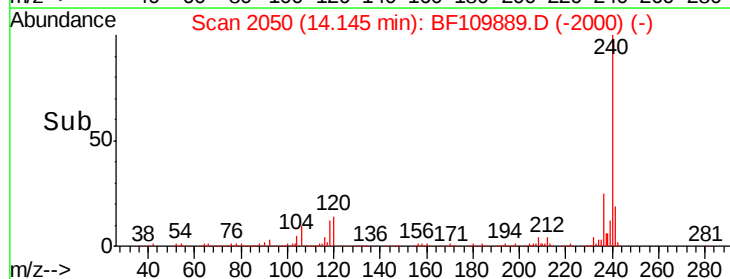
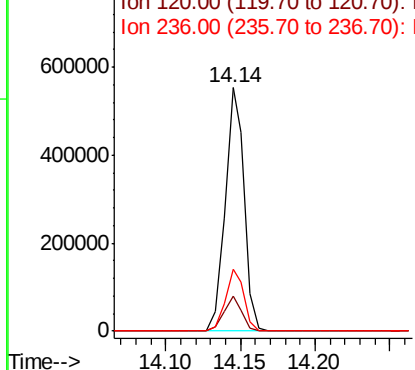


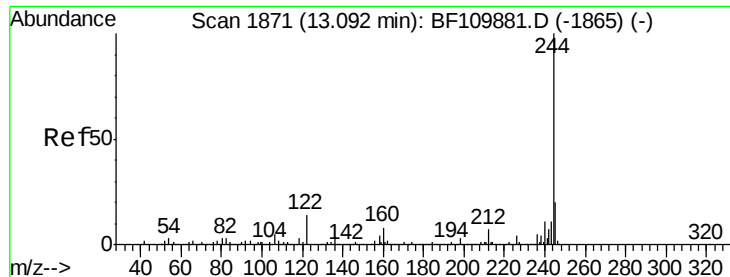
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109889.D
Acq: 15 Oct 2018 19:53

Tgt Ion:240 Resp: 497113
Ion Ratio Lower Upper
240 100
120 14.4 8.3 12.5#
236 25.5 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

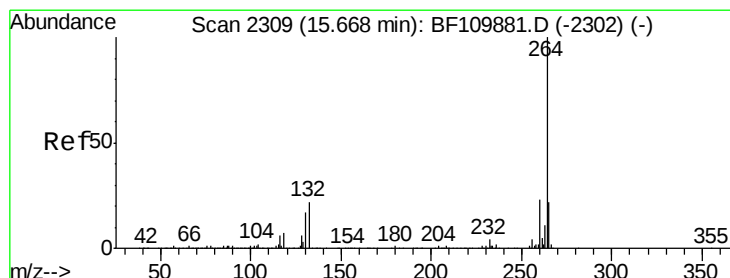
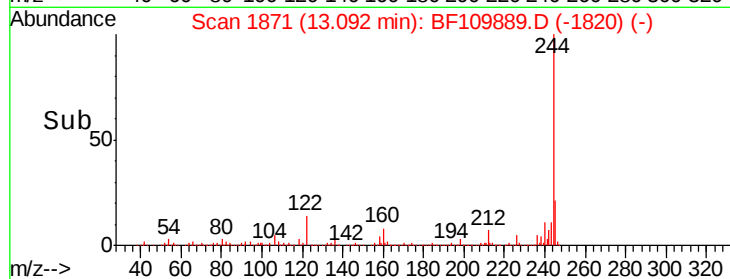
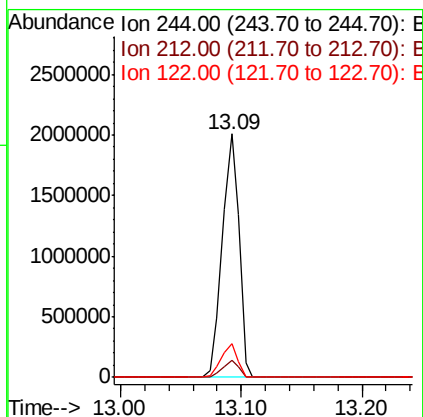
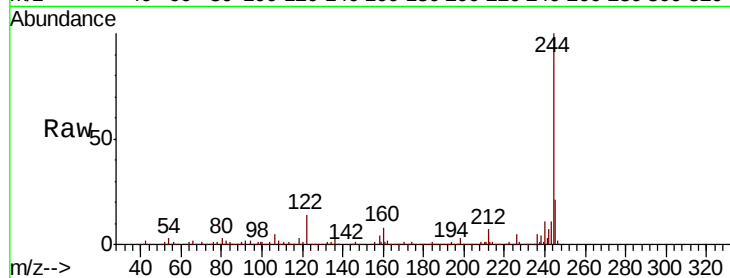




#79
 Terphenyl-d14
 Concen: 80.934 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: BF109889.D
 Acq: 15 Oct 2018 19:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1915951
 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: BF109889.D
 Acq: 15 Oct 2018 19:53

Tgt Ion:264 Resp: 499282
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.0 16.7 25.1

