

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109219.D
 Acq On : 22 Sep 2018 14:22
 Operator : JU/SJ
 Sample : PB113087BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:47:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

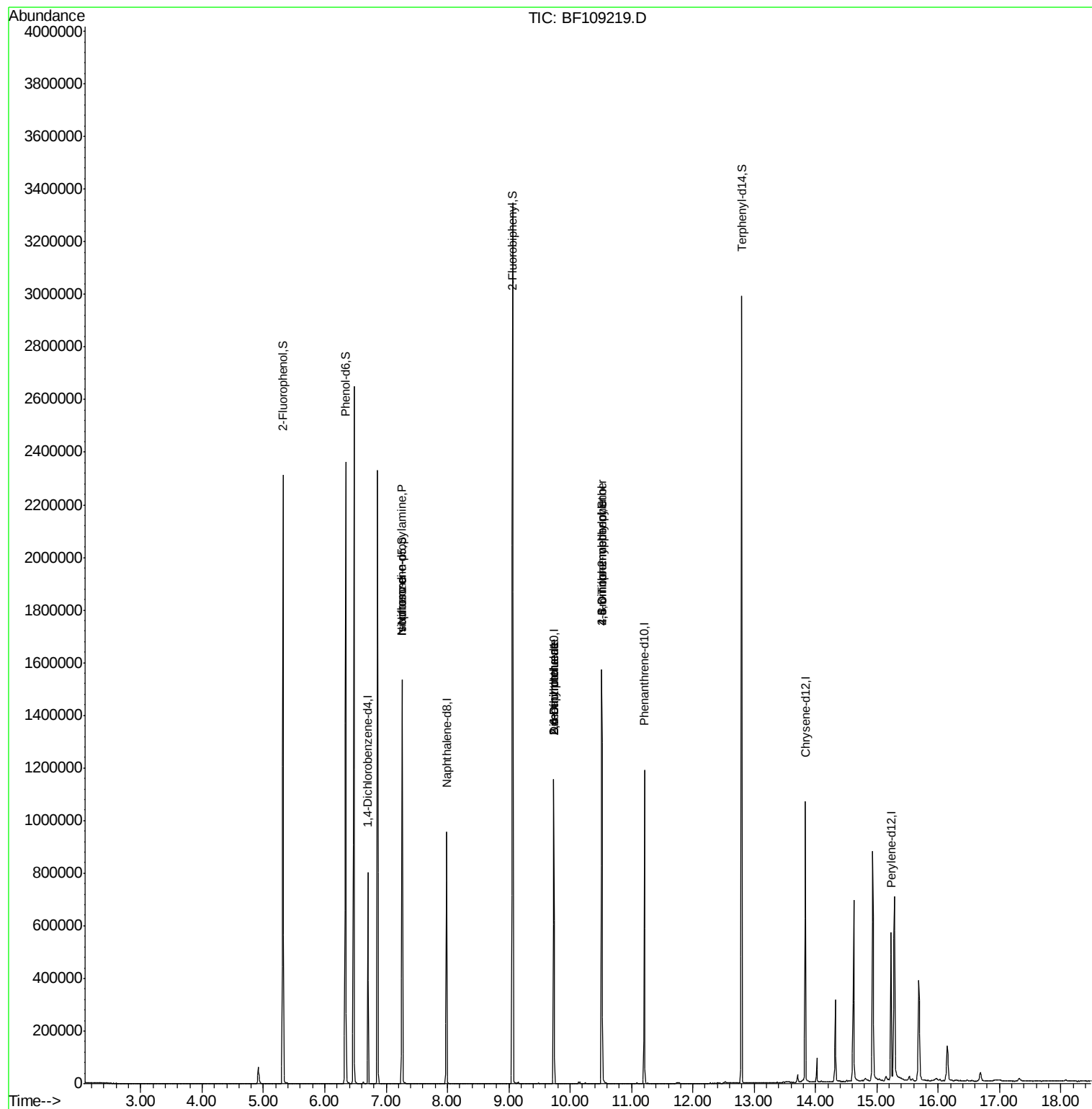
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	106931	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	412023	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	200268	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	392486	20.00	ng	0.00
75) Chrysene-d12	13.83	240	328720	20.00	ng	-0.01
86) Perylene-d12	15.23	264	246869	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	672565	103.60	ng	0.00
7) Phenol-d6	6.35	99	860243	103.84	ng	-0.01
23) Nitrobenzene-d5	7.26	82	555765	79.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	189734	96.11	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1021386	76.92	ng	-0.01
78) Terphenyl-d14	12.80	244	1069368	79.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	75819	13.967	ng	# 80
25) Isophorone	7.26	82	492176	39.159	ng	# 64
49) Dimethylphthalate	9.73	163	59600	4.092	ng	# 1
50) 2,6-Dinitrotoluene	9.73	165	25566	8.862	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	25566	7.004	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	444	6.764	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11494	2.637	ng	# 1

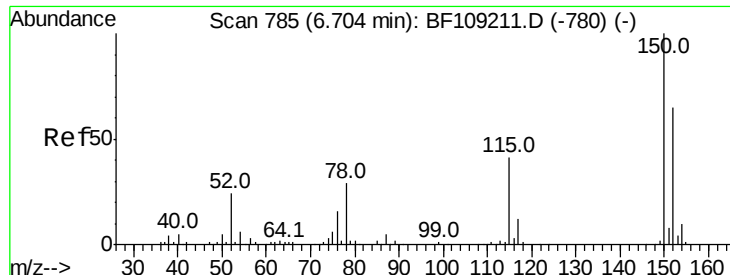
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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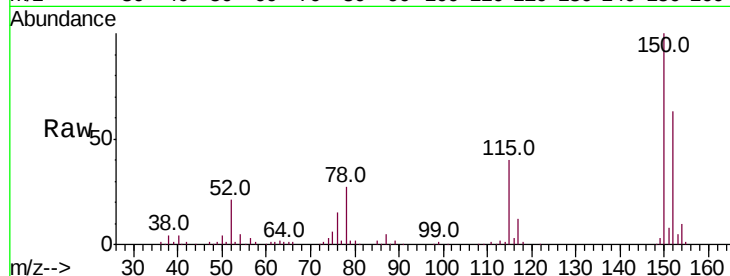


#1

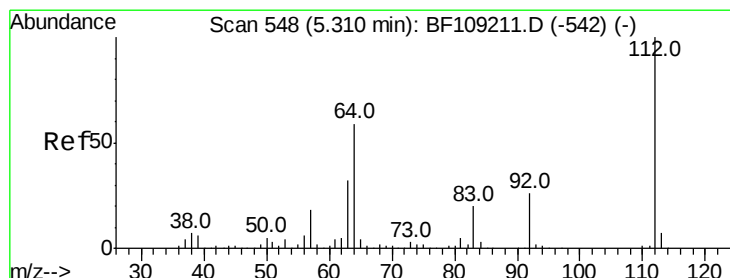
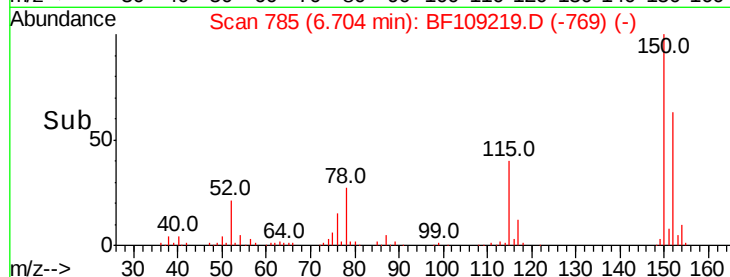
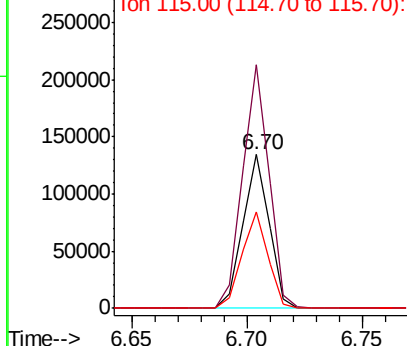
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	62.7	50.1	75.1



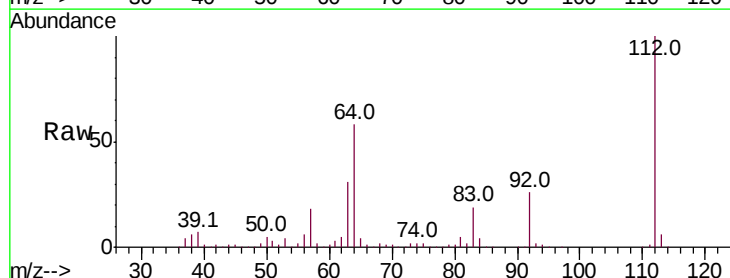
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



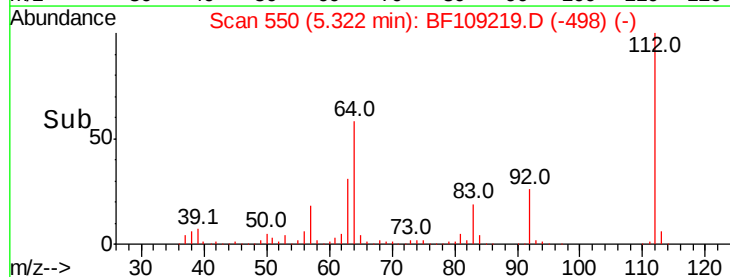
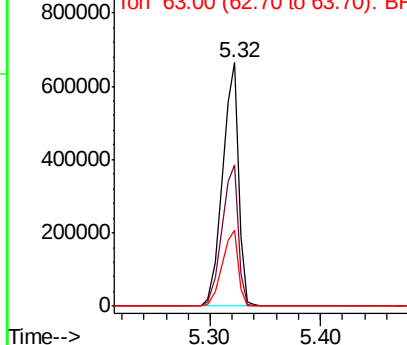
#5

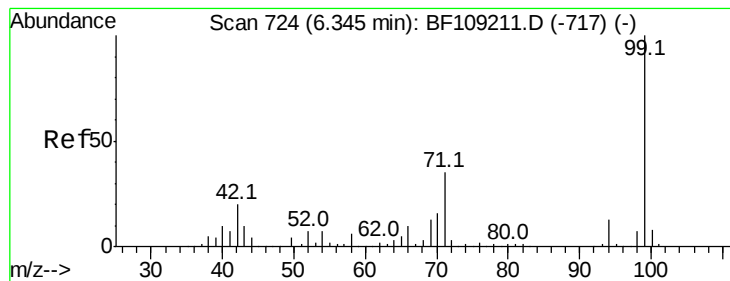
2-Fluorophenol
Concen: 103.596 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	31.3	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: 103.841 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

Instrument :

BNA_F

ClientSampled :

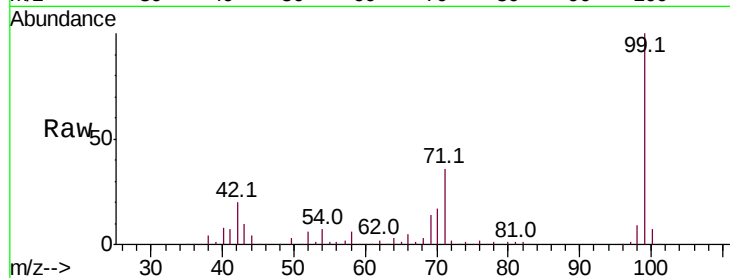
Tot Ion: 99 Resp: 860243

Ion Ratio Lower Upper

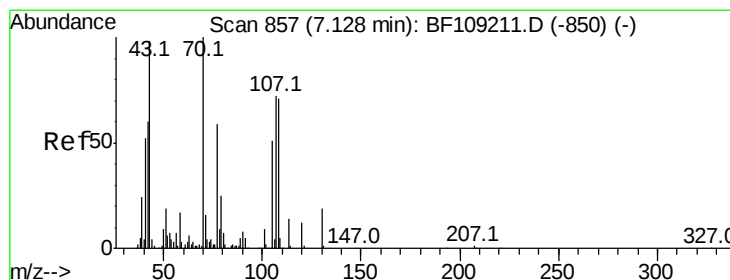
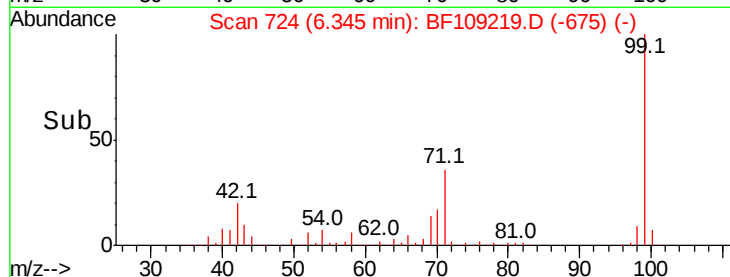
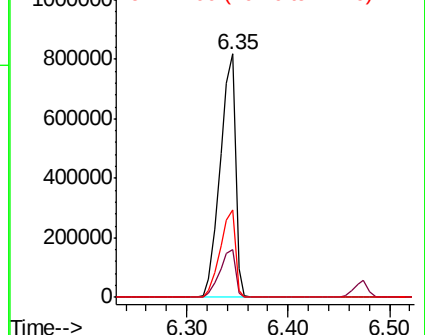
99 100

42 19.6 14.5 21.7

71 35.9 25.4 38.0



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: 13.967 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

Tgt Ion: 70 Resp: 75819

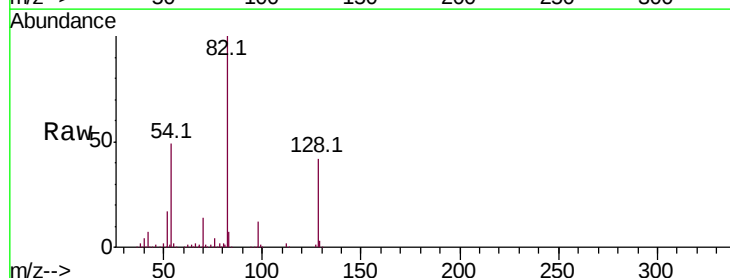
Ion Ratio Lower Upper

70 100

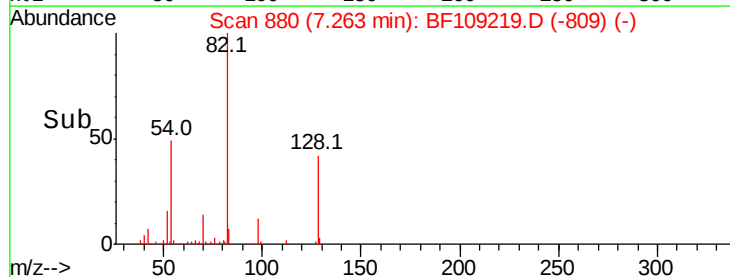
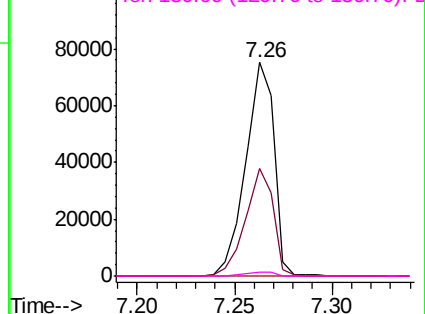
42 50.2 47.5 71.3

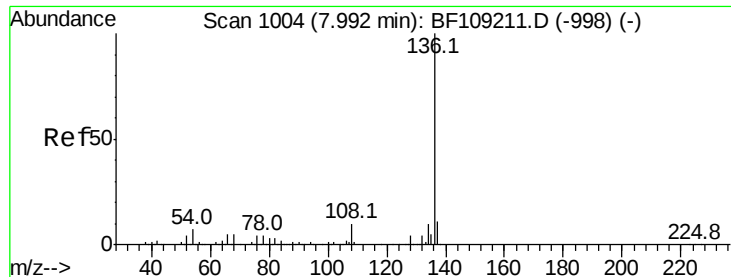
101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 412023

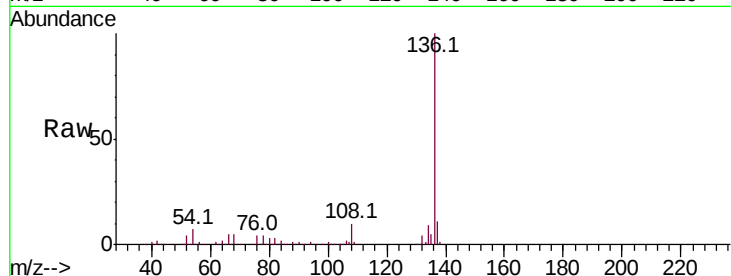
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 6.6 9.8

68 5.4 5.0 7.4

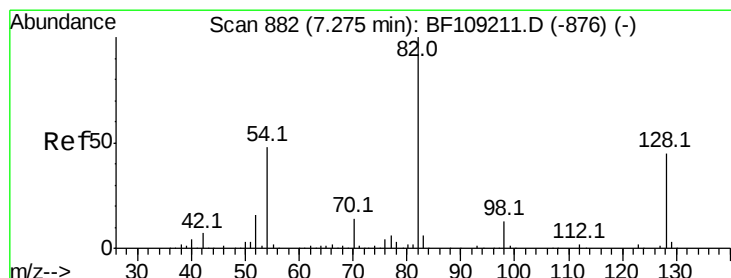
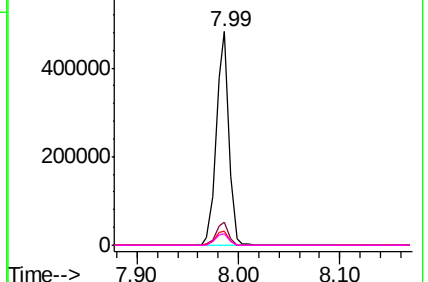
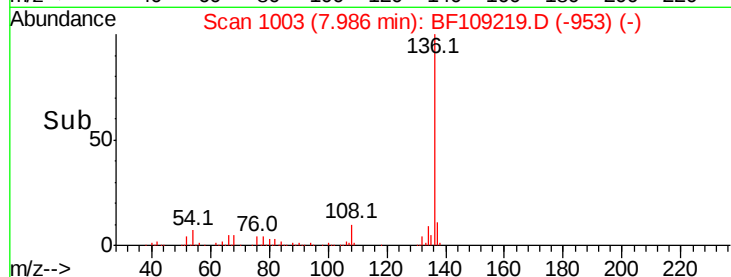


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.626 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

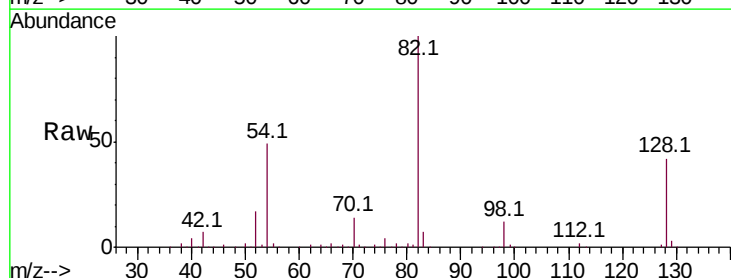
Tgt Ion: 82 Resp: 555765

Ion Ratio Lower Upper

82 100

128 41.7 36.1 54.1

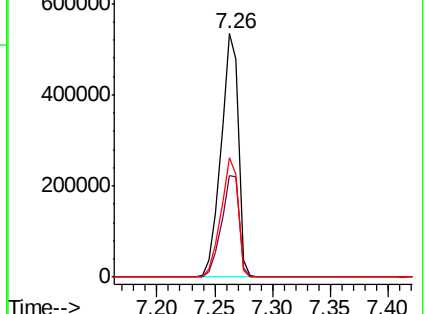
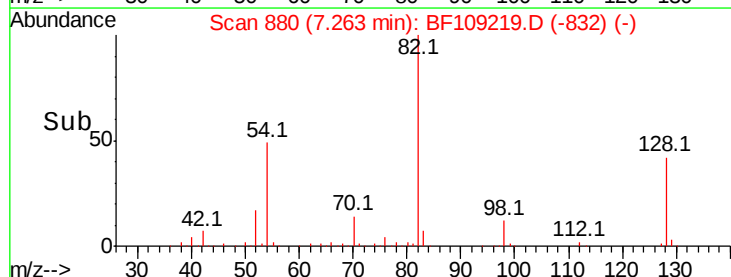
54 49.3 41.4 62.2

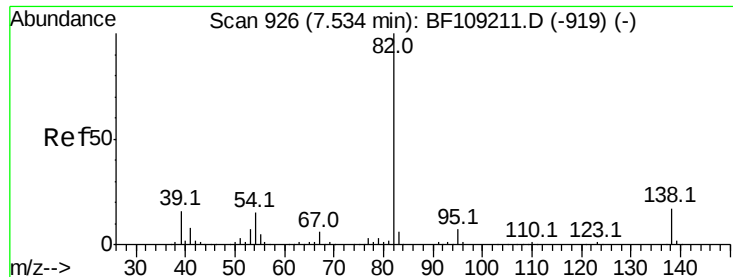


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

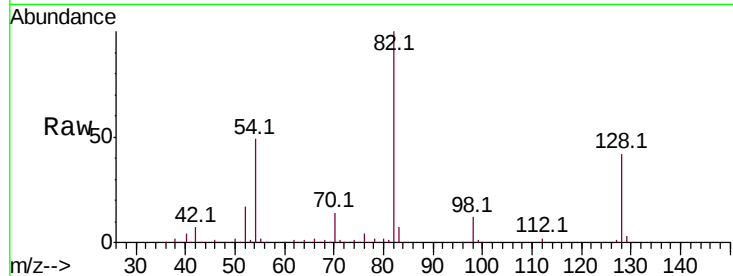




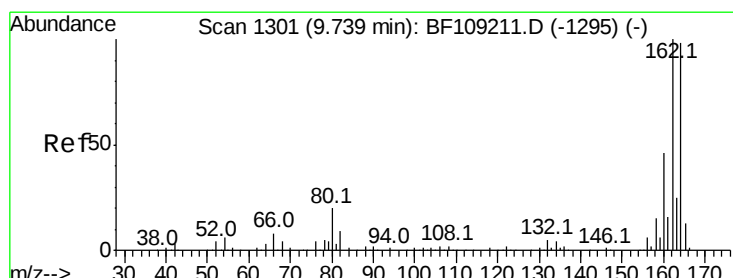
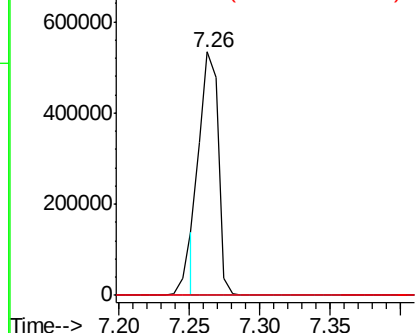
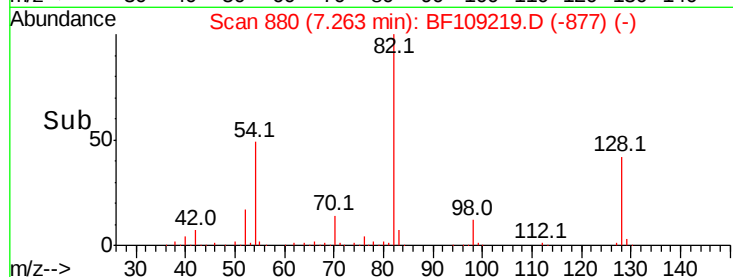
#25
Isophorone
Concen: 39.159 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 492176
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

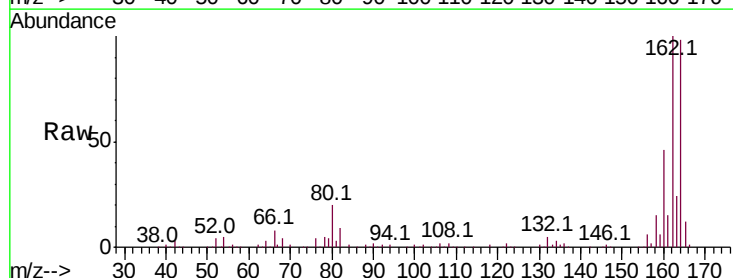


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

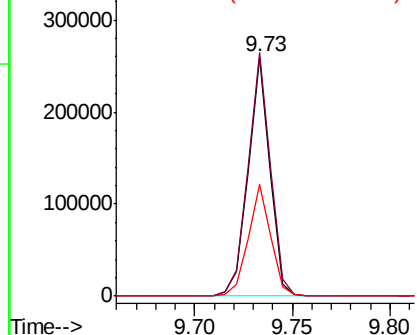
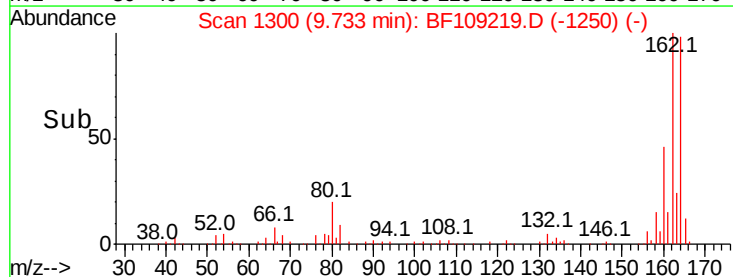


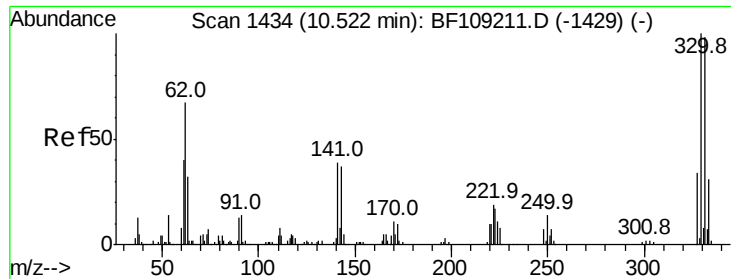
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Tgt Ion:164 Resp: 200268
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 46.9 38.3 57.5



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

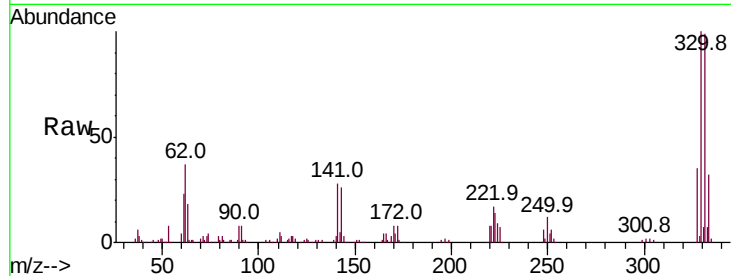




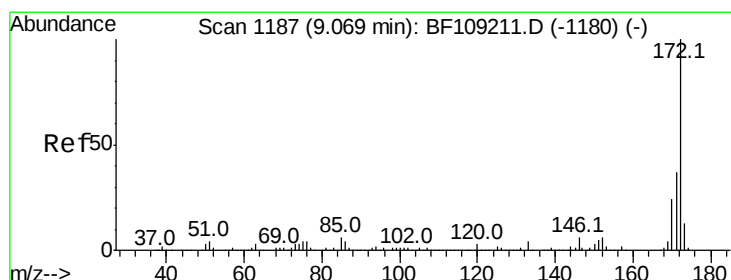
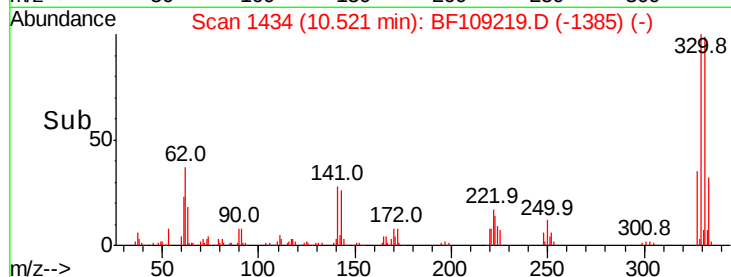
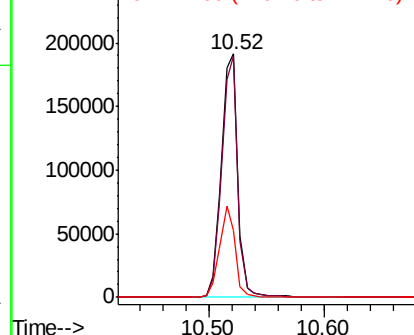
#41
 2,4,6-Tribromophenol
 Concen: 96.106 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	35.3	29.9	44.9

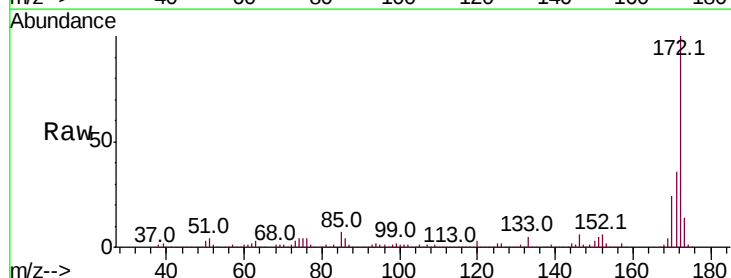


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

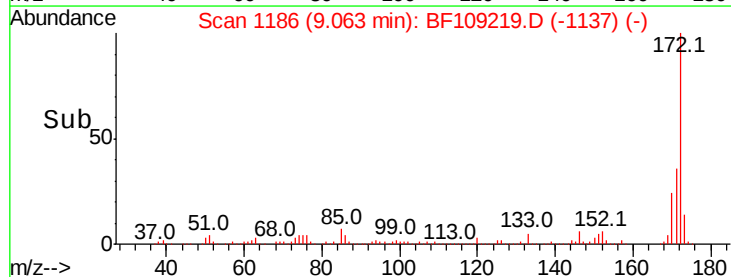
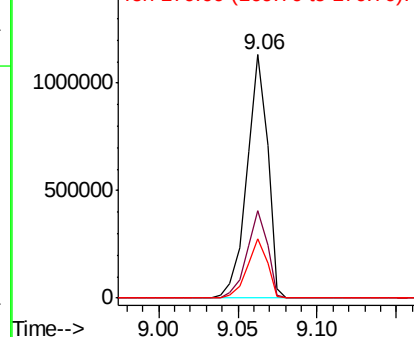


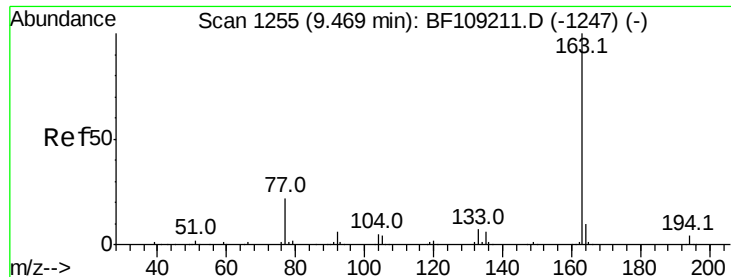
#44
 2-Fluorobiphenyl
 Concen: 76.919 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4



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

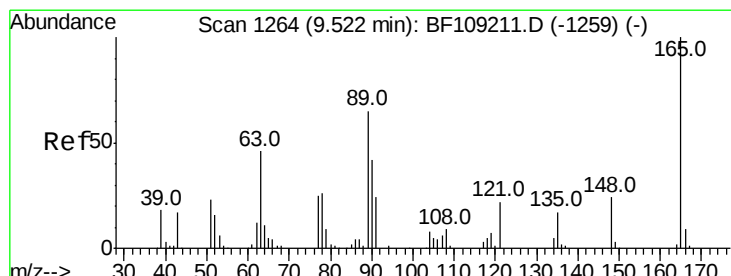
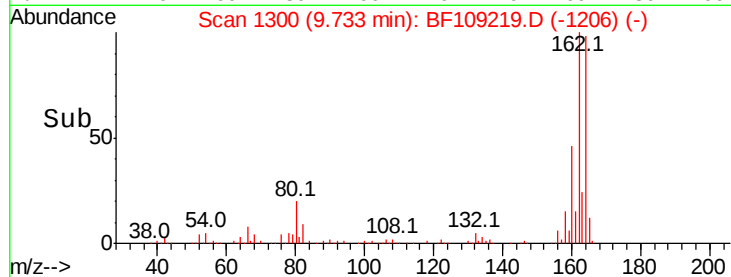
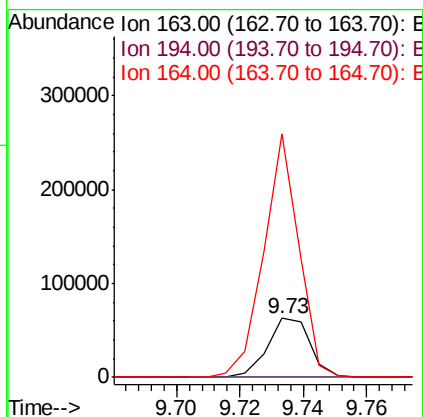
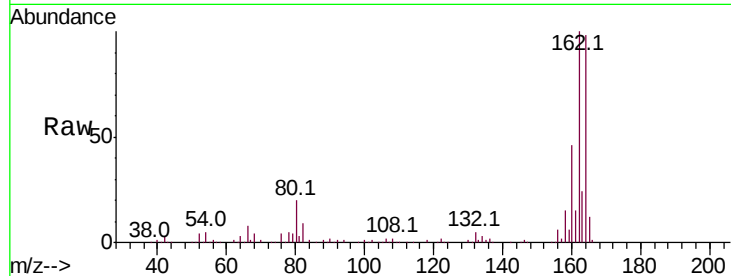




#49
Dimethylphthalate
Concen: 4.092 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.25 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

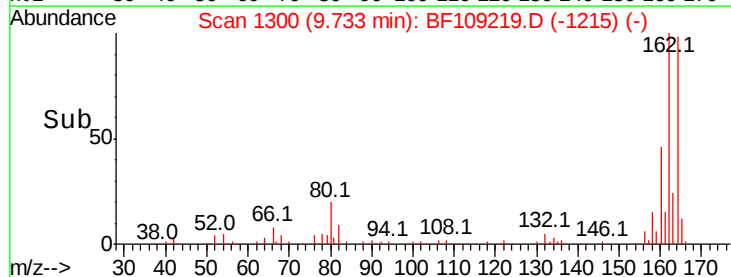
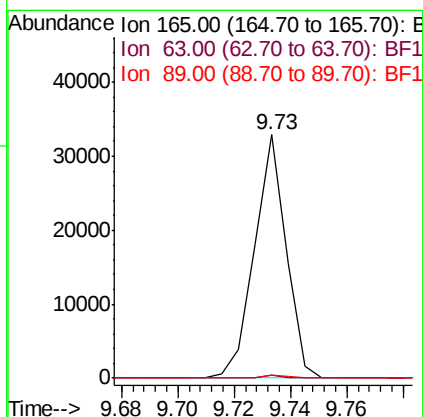
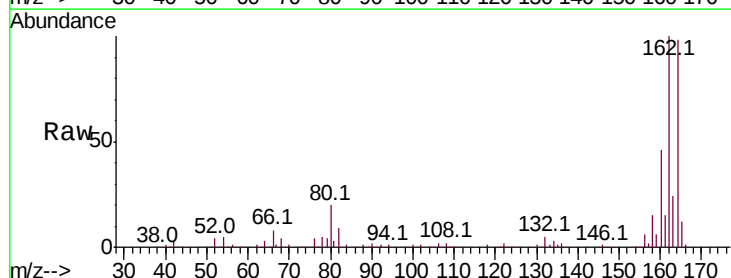
Instrument :
BNA_F
ClientSampleId :

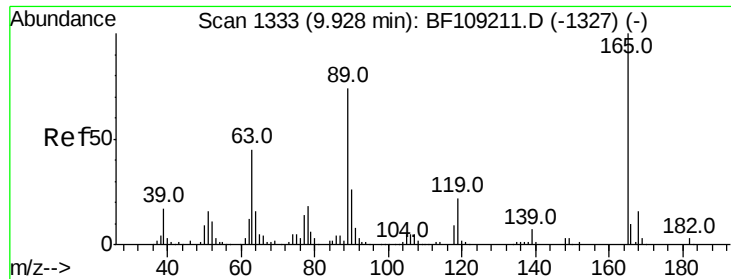
Tot Ion:163 Resp: 59600
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 412.3 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 8.862 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Tgt Ion:165 Resp: 25566
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.3 44.0 66.0#

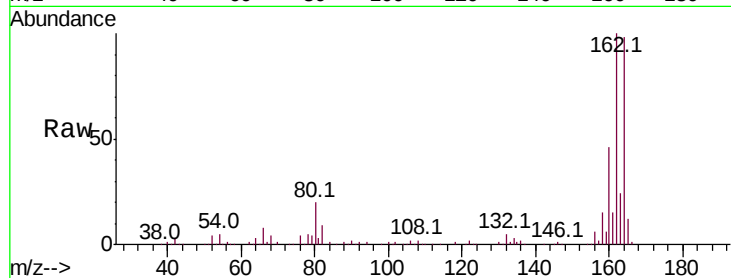




#56
 2,4-Dinitrotoluene
 Concen: 7.004 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



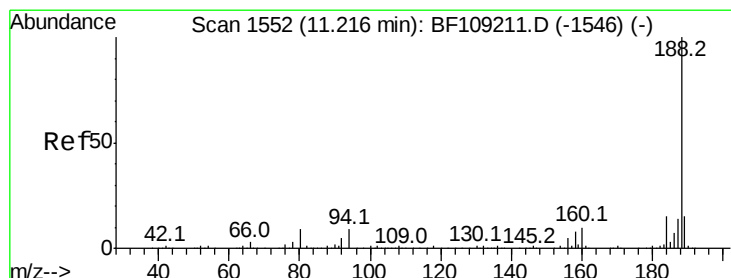
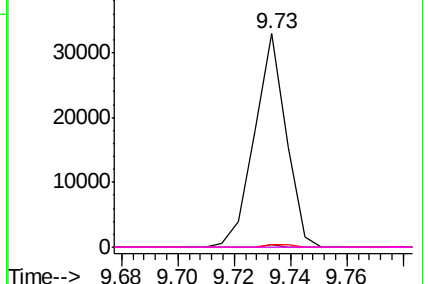
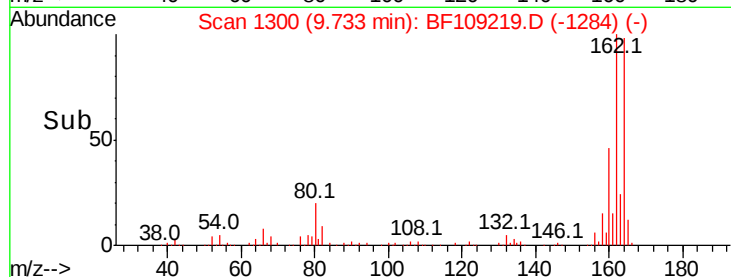
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

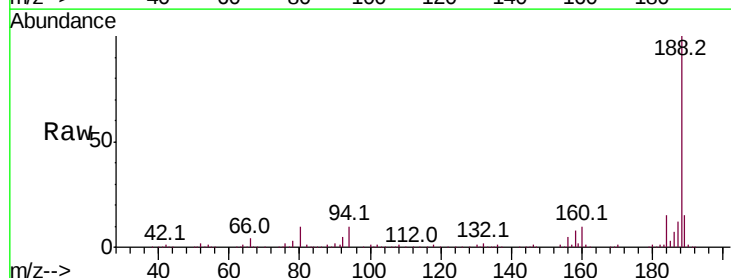
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.1	9.2	13.8

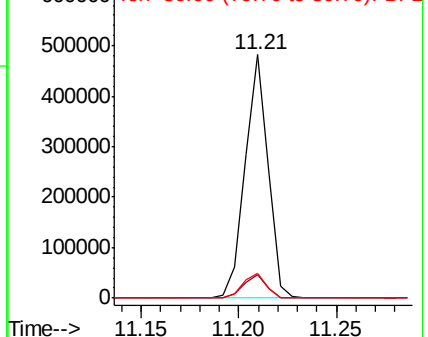
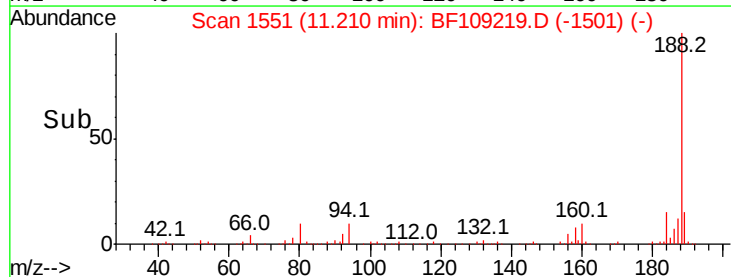


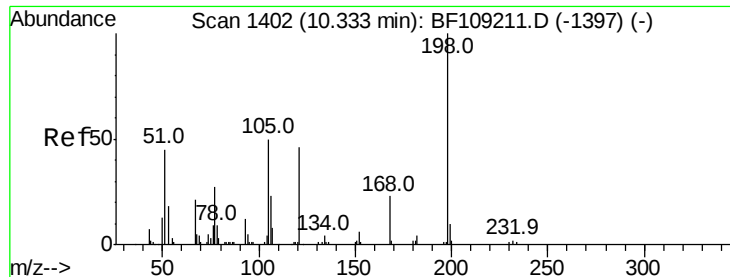
Abundance

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

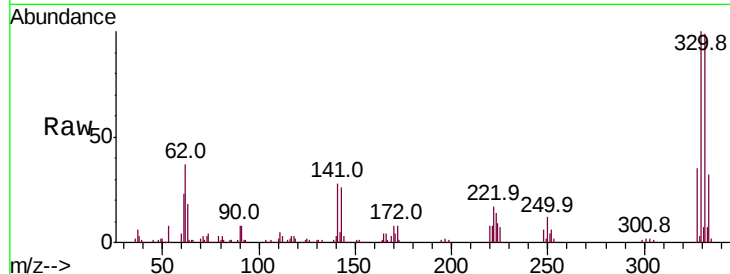




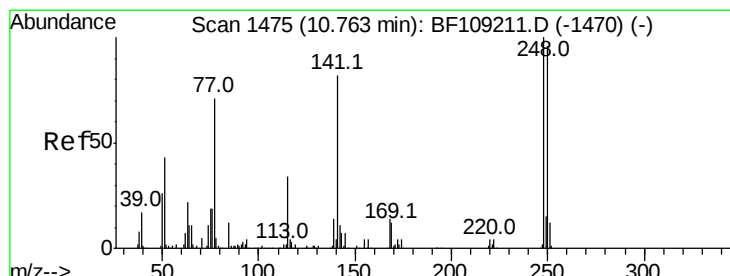
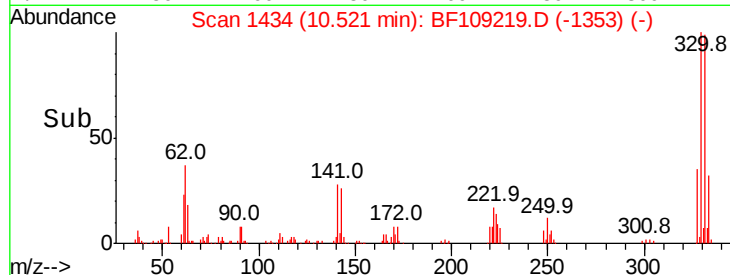
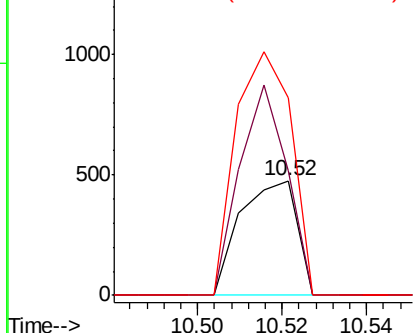
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.764 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 444
 Ion Ratio Lower Upper
 198 100
 51 108.2 37.7 77.7#
 105 171.7 36.3 76.3#

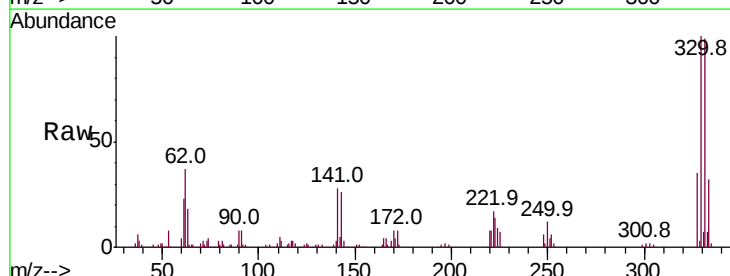


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

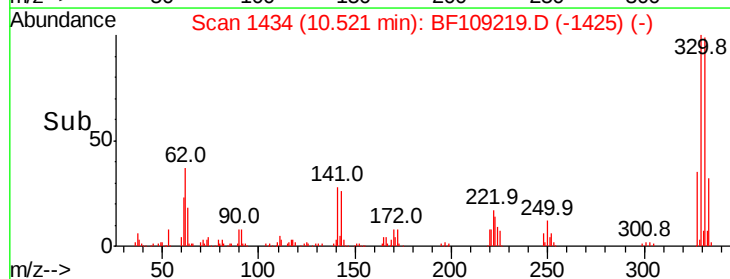
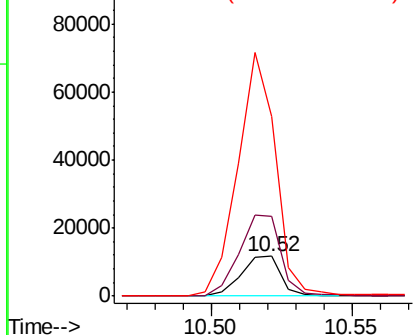


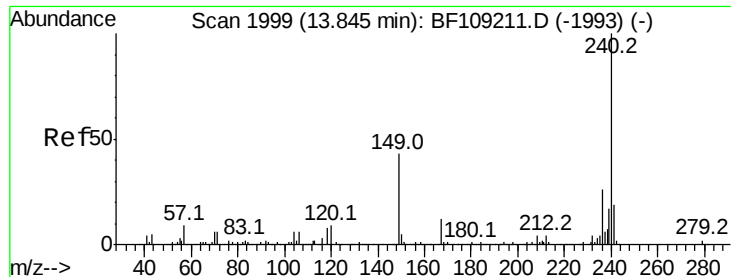
#66
 4-Bromophenyl-phenylether
 Concen: 2.637 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109219.D
 Acq: 22 Sep 2018 14:22

Tgt Ion:248 Resp: 11494
 Ion Ratio Lower Upper
 248 100
 250 201.1 76.9 115.3#
 141 453.9 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

Instrument :

BNA_F

ClientSampleId :

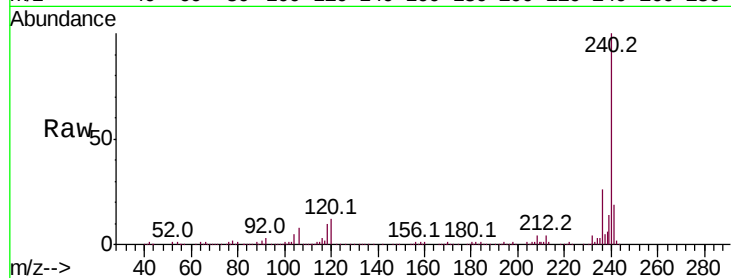
Tot Ion:240 Resp: 328720

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

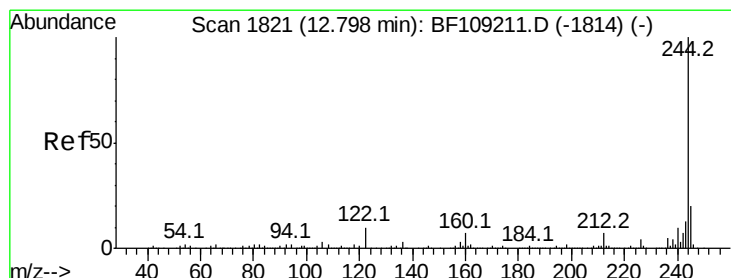
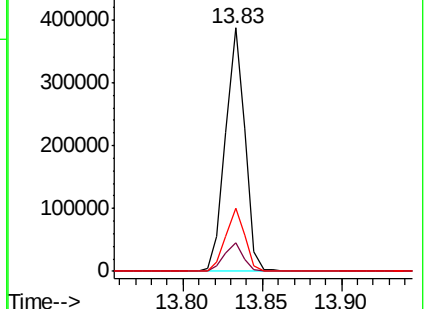
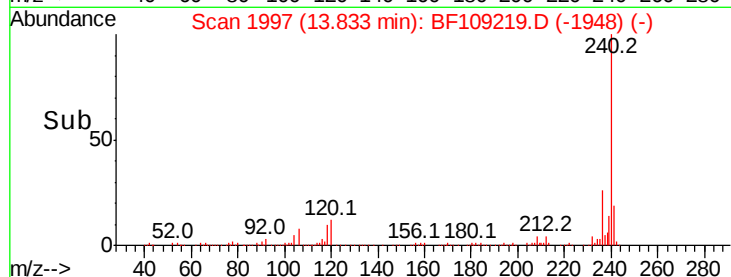
236 26.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 79.837 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109219.D

Acq: 22 Sep 2018 14:22

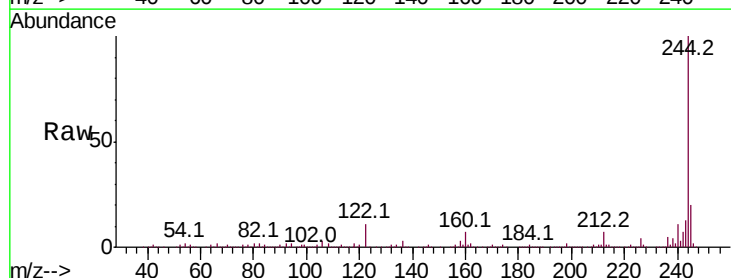
Tgt Ion:244 Resp: 1069368

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

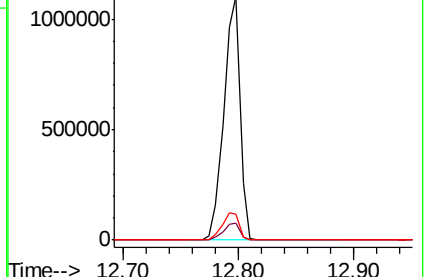
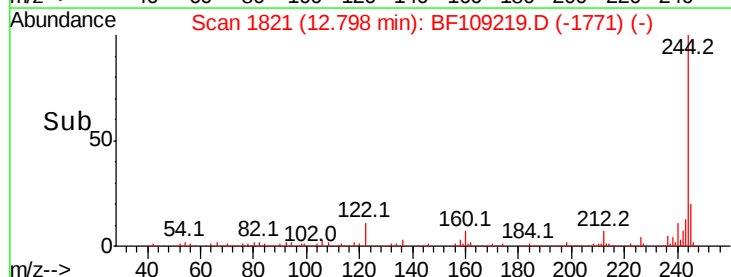
122 10.8 11.0 16.4#

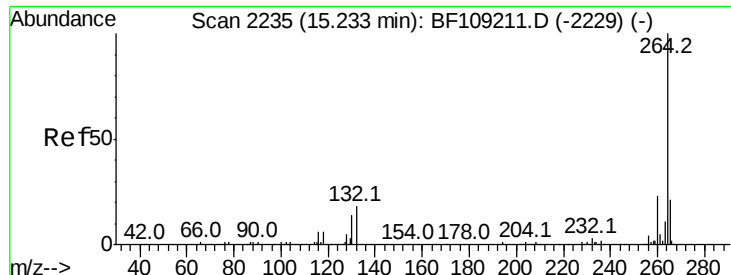


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

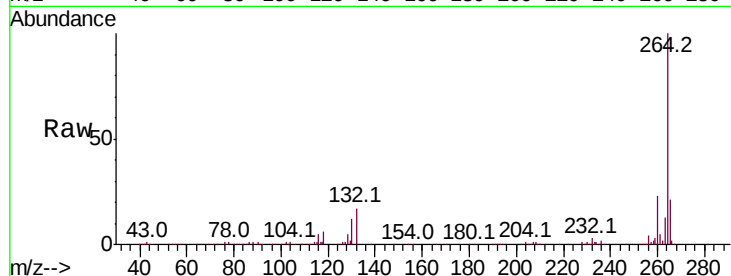




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109219.D
Acq: 22 Sep 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	246869
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.0	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

