

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109221.D
 Acq On : 22 Sep 2018 15:14
 Operator : JU/SJ
 Sample : PB113095BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:48:04 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

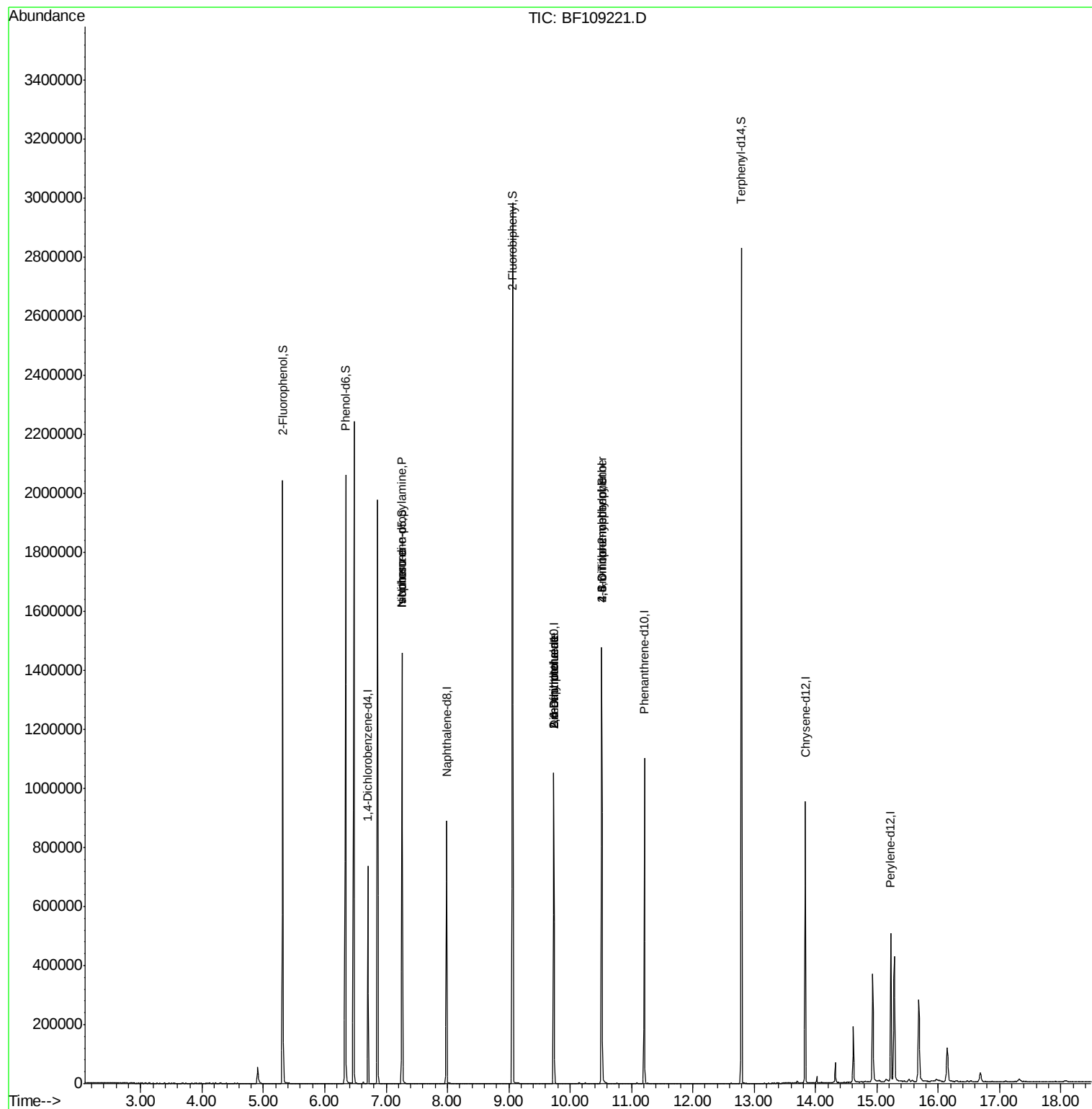
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	96180	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	378348	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	181956	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	369538	20.00	ng	0.00
75) Chrysene-d12	13.83	240	302112	20.00	ng	-0.01
86) Perylene-d12	15.23	264	224825	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	586085	100.37	ng	0.00
7) Phenol-d6	6.34	99	746909	100.24	ng	-0.02
23) Nitrobenzene-d5	7.26	82	464737	72.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	162319	90.49	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	879778	72.92	ng	-0.01
78) Terphenyl-d14	12.79	244	983925	79.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	62798	12.862	ng	# 79
25) Isophorone	7.26	82	407661	35.322	ng	# 64
49) Dimethylphthalate	9.73	163	53821	4.067	ng	# 1
50) 2,6-Dinitrotoluene	9.73	165	22352	8.528	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	22352	6.740	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	294	6.691	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10426	2.541	ng	# 1

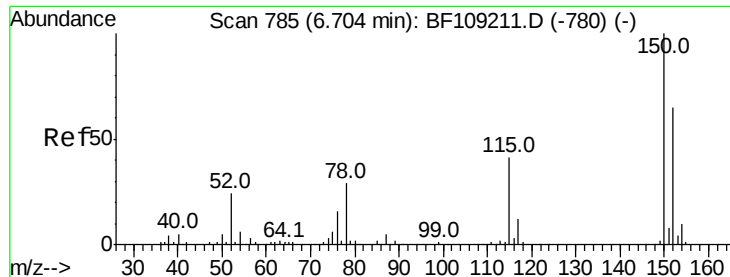
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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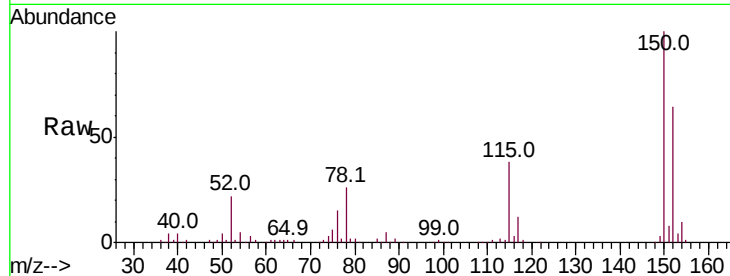


#1

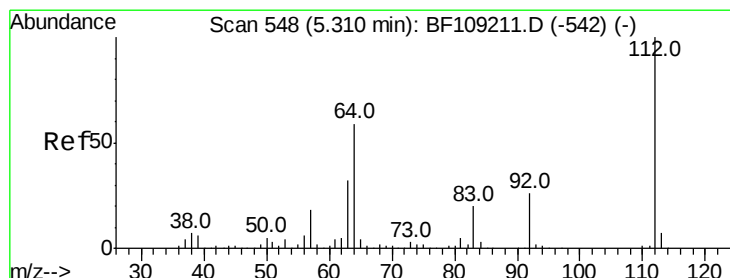
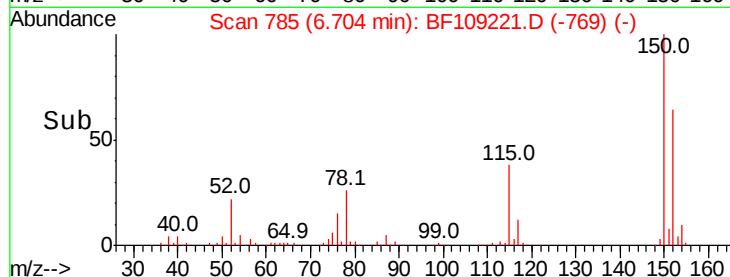
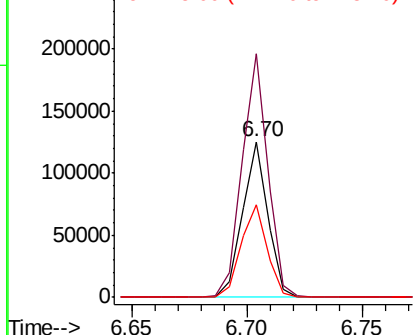
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96180
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 59.8 50.1 75.1



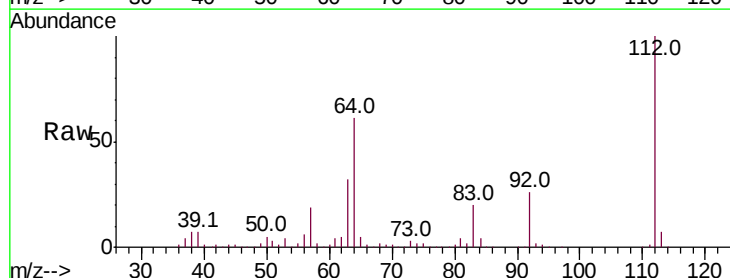
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



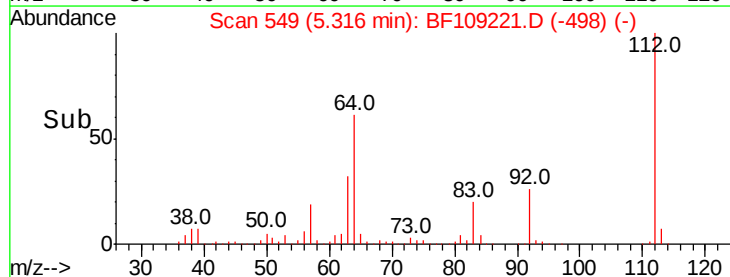
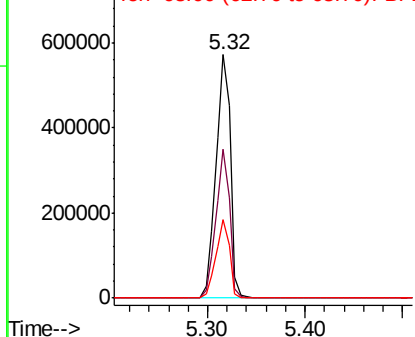
#5

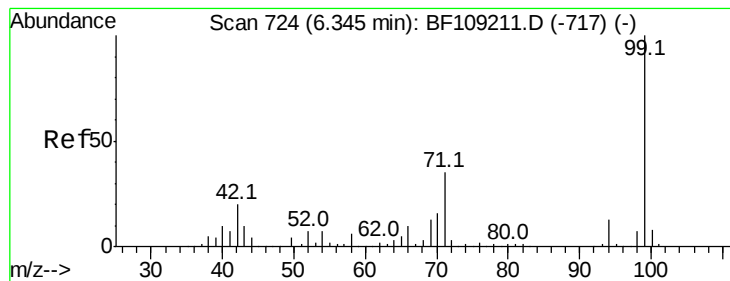
2-Fluorophenol
Concen: 100.367 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Tgt Ion:112 Resp: 586085
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 32.4 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: 100.238 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

Instrument :

BNA_F

ClientSampled :

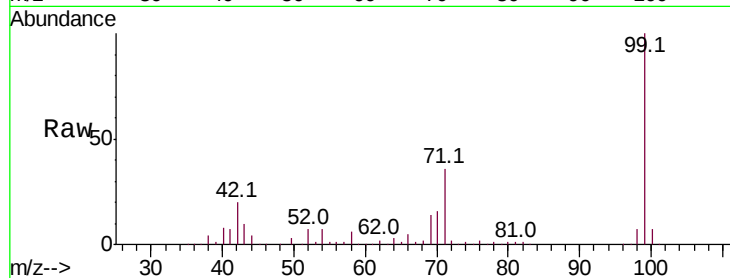
Tot Ion: 99 Resp: 746909

Ion Ratio Lower Upper

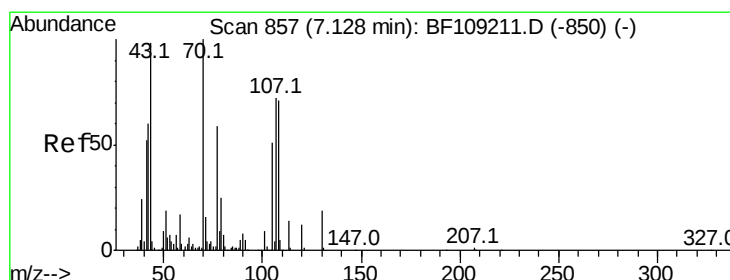
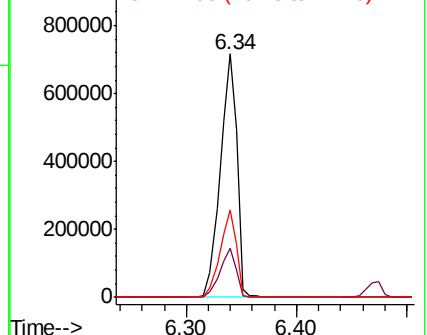
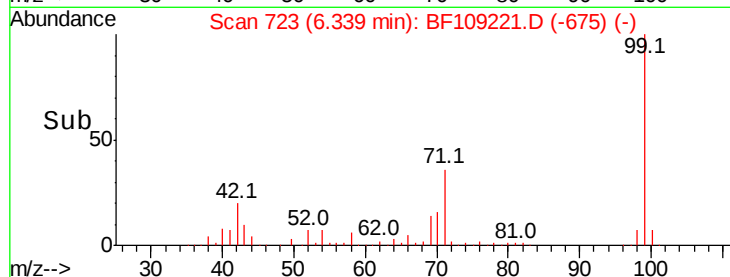
99 100

42 20.3 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: 12.862 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

Tgt Ion: 70 Resp: 62798

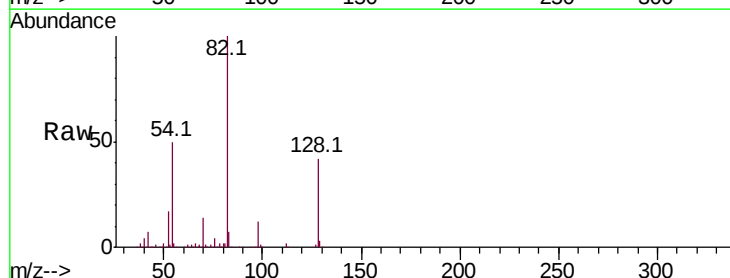
Ion Ratio Lower Upper

70 100

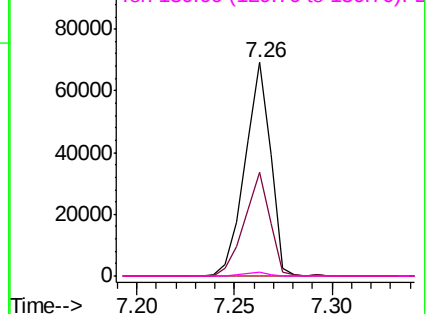
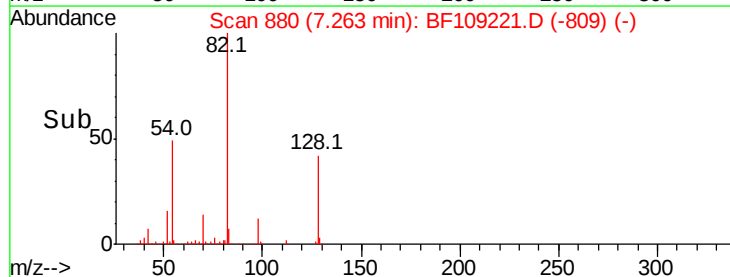
42 48.8 47.5 71.3

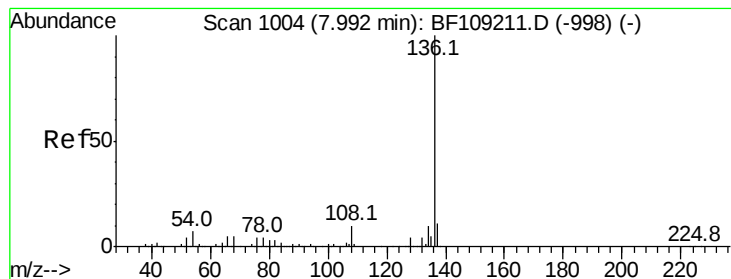
101 0.0 7.4 11.2#

130 1.8 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: BF109221.D

Acq: 22 Sep 2018 15:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378348

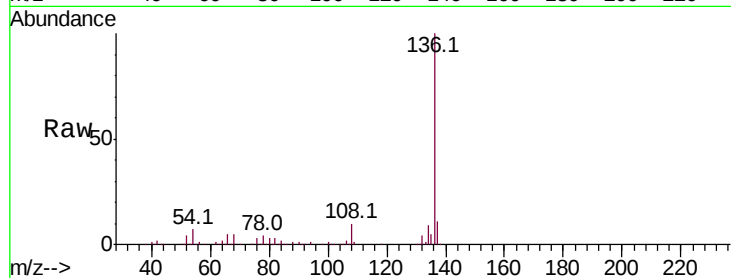
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.0 6.6 9.8

68 5.3 5.0 7.4

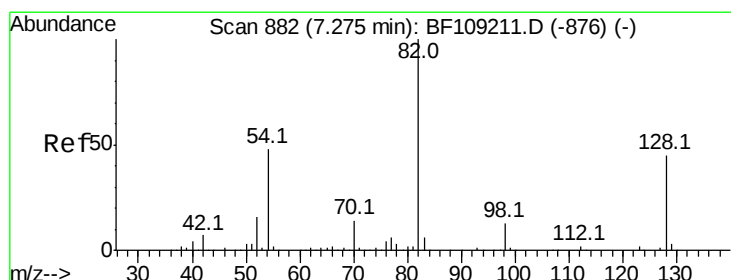
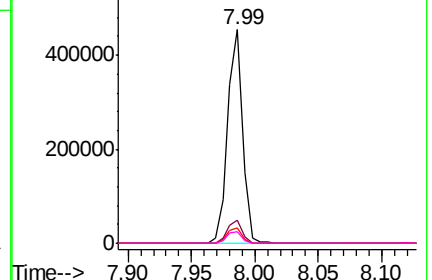
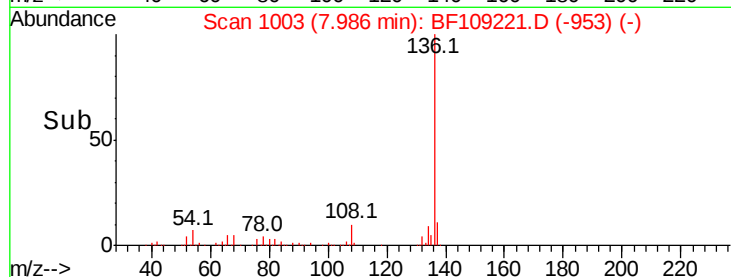


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.510 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

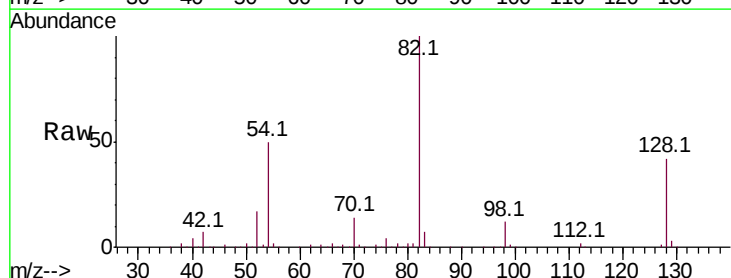
Tgt Ion: 82 Resp: 464737

Ion Ratio Lower Upper

82 100

128 41.9 36.1 54.1

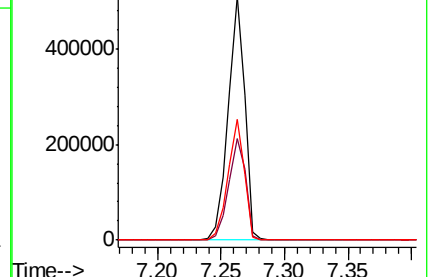
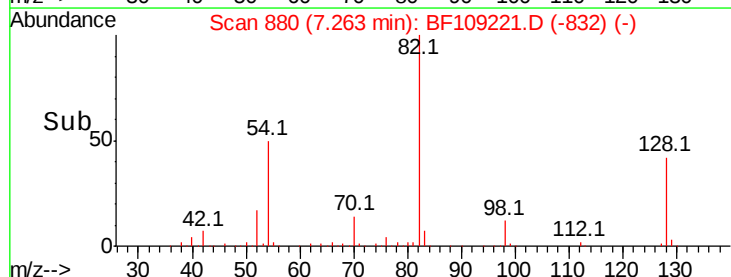
54 49.7 41.4 62.2

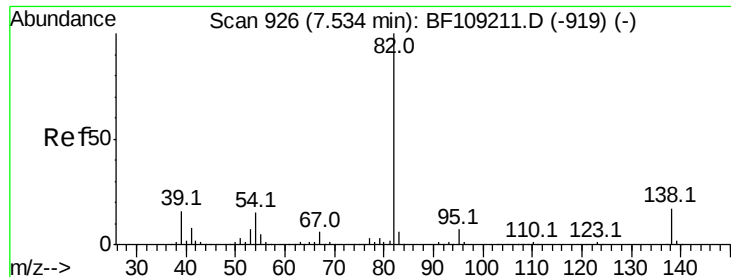


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

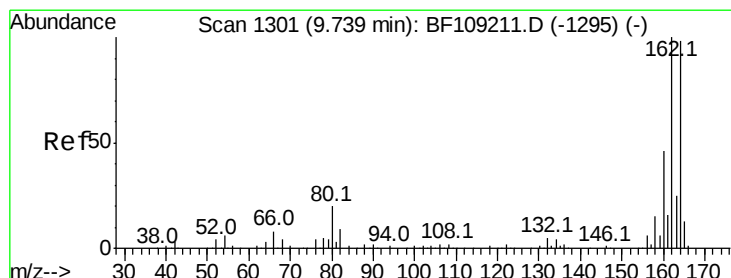
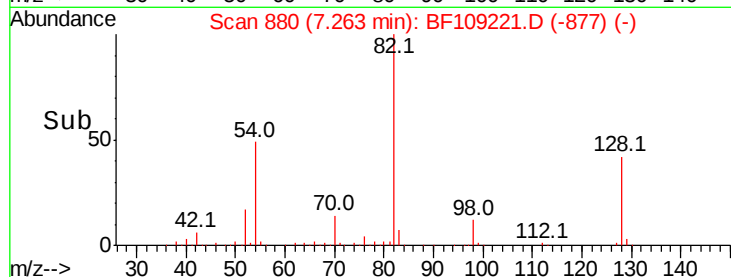
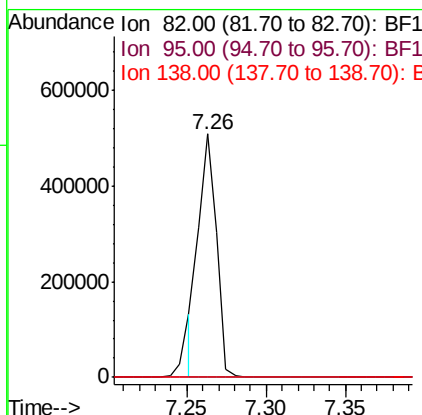
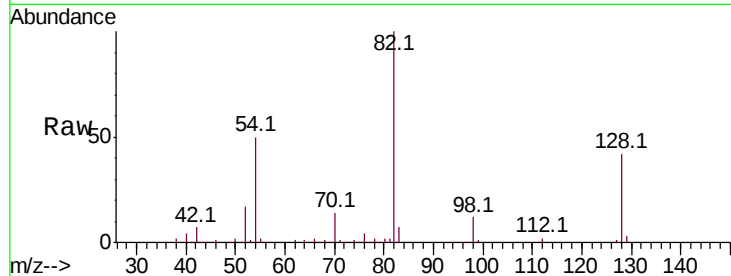




#25
Isophorone
Concen: 35.322 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

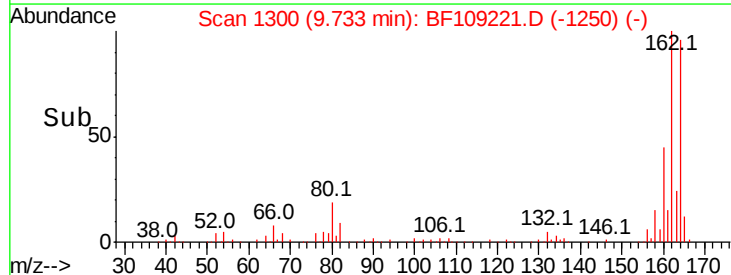
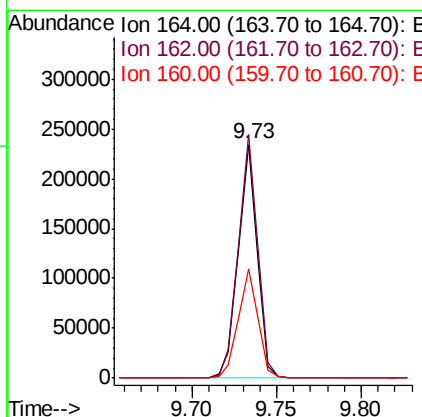
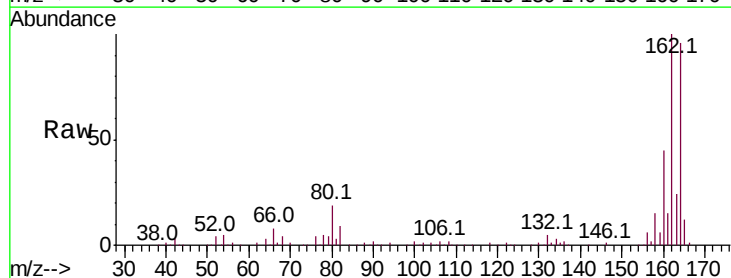
Instrument :
BNA_F
ClientSampleId :

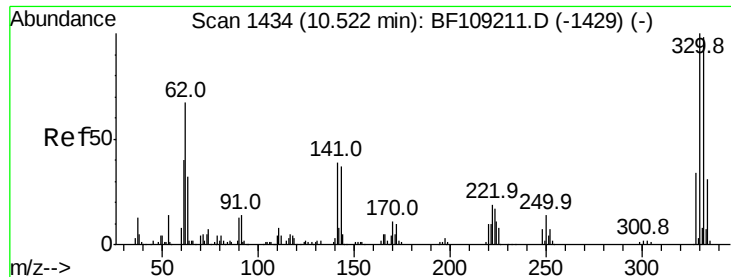
Tot Ion: 82 Resp: 407661
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Tgt Ion: 164 Resp: 181956
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 46.5 38.3 57.5

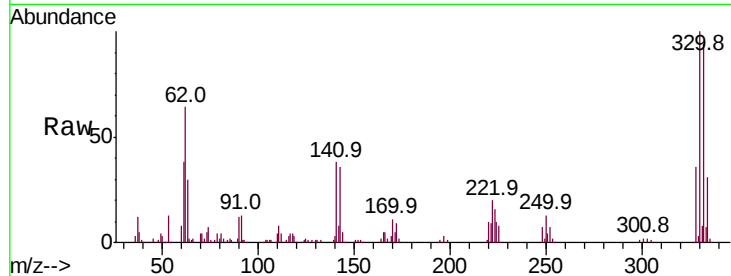




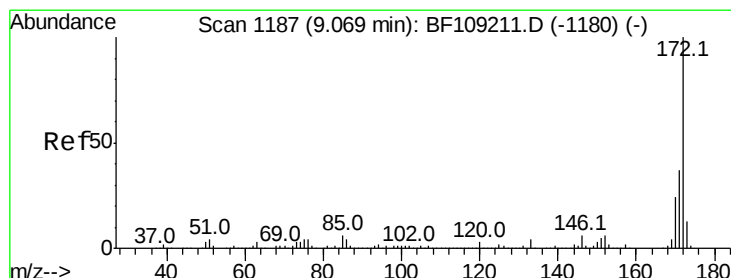
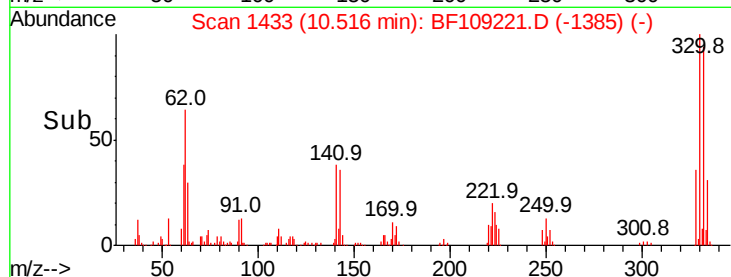
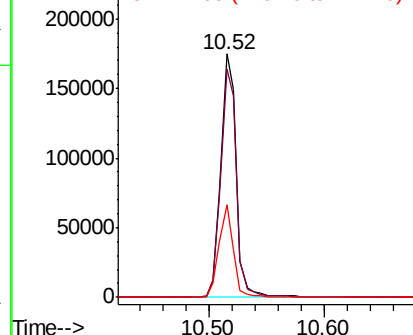
#41
 2,4,6-Tribromophenol
 Concen: 90.494 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	35.4	29.9	44.9

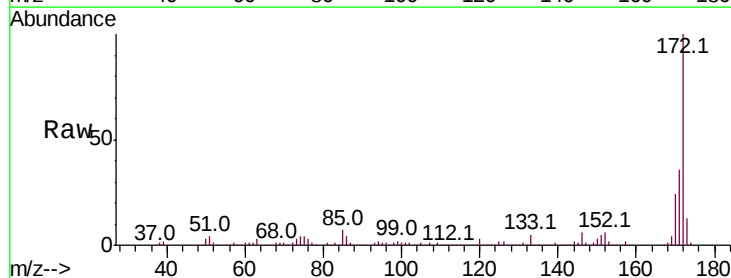


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

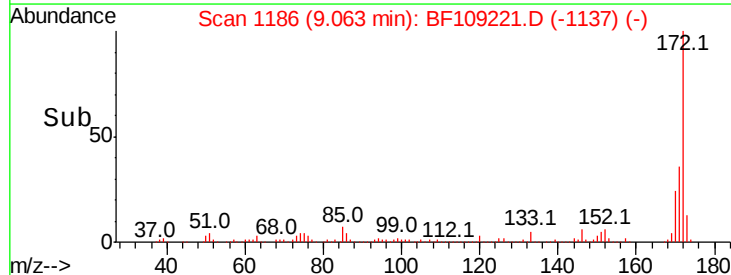
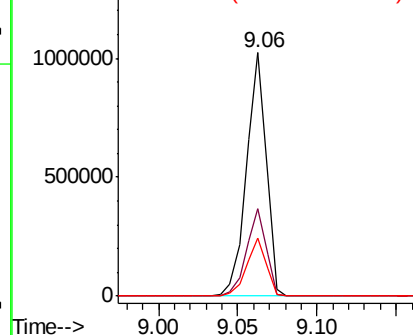


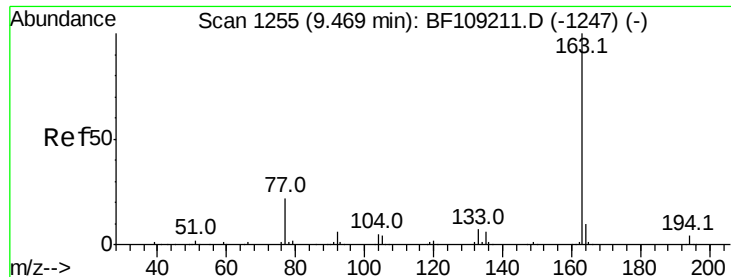
#44
 2-Fluorobiphenyl
 Concen: 72.923 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	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

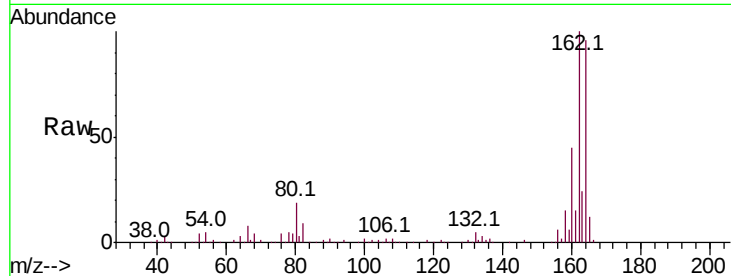




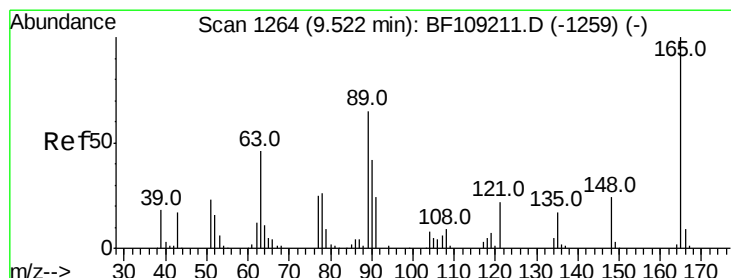
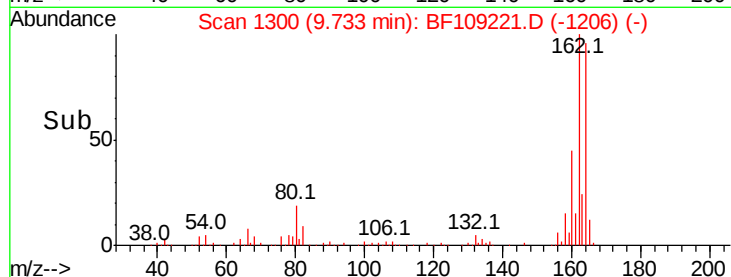
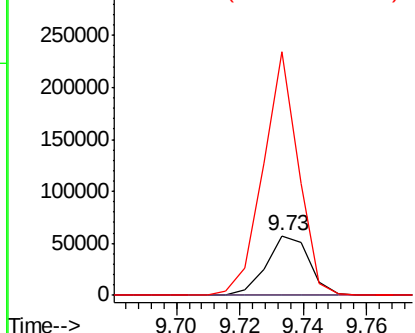
#49
Dimethylphthalate
Concen: 4.067 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.25 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 53821
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 407.9 8.2 12.2#

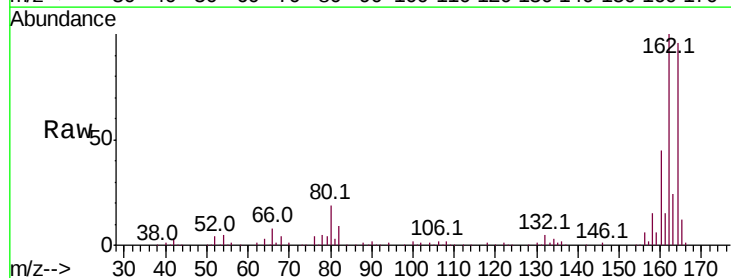


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

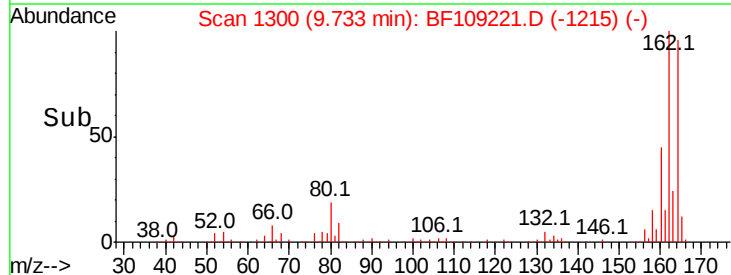
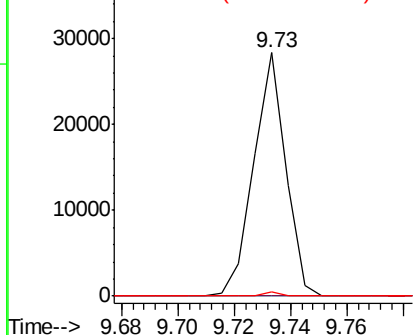


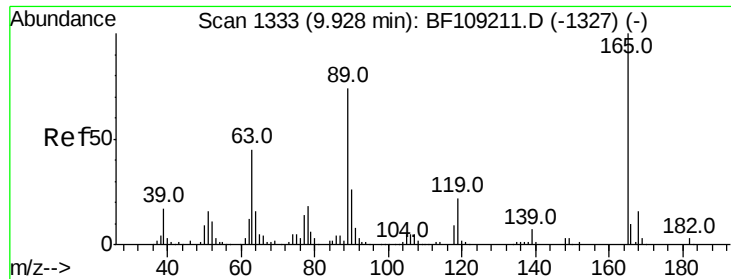
#50
2,6-Dinitrotoluene
Concen: 8.528 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Tgt Ion:165 Resp: 22352
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.8 44.0 66.0#



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

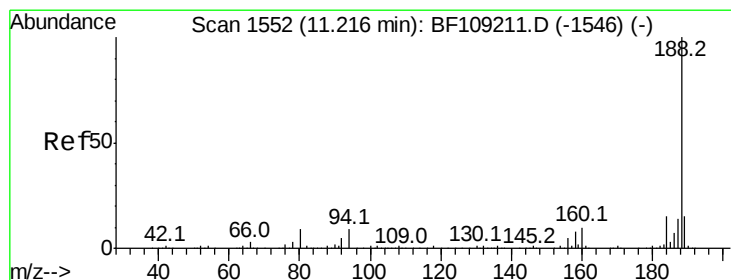
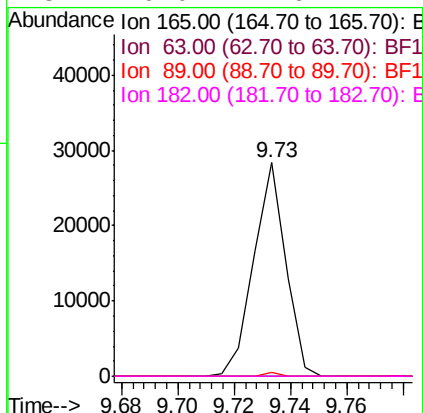
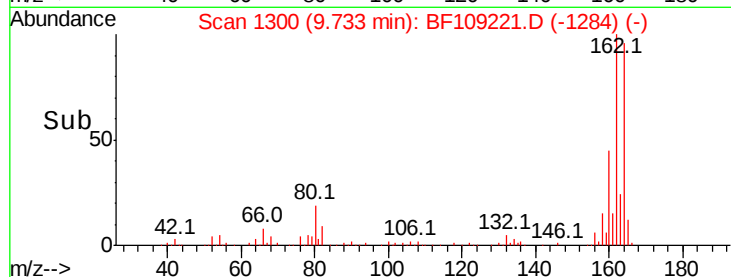
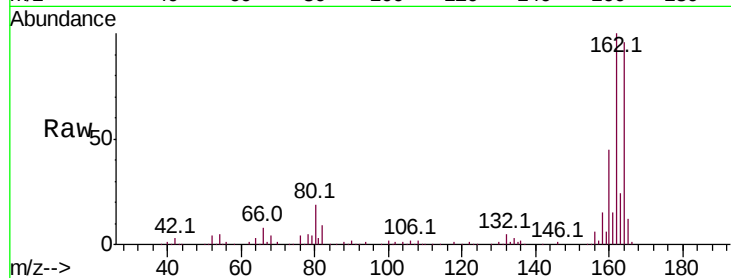




#56
 2,4-Dinitrotoluene
 Concen: 6.740 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

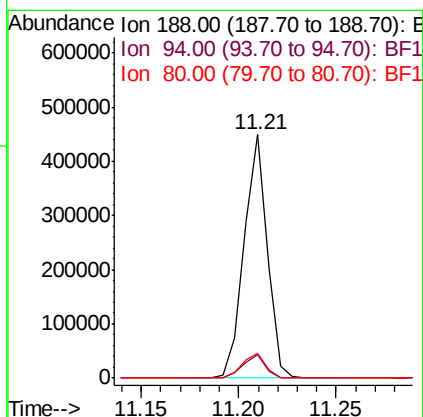
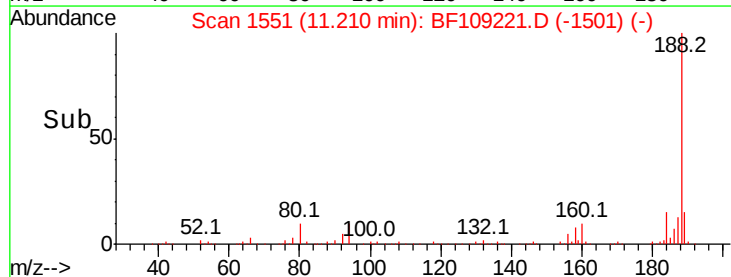
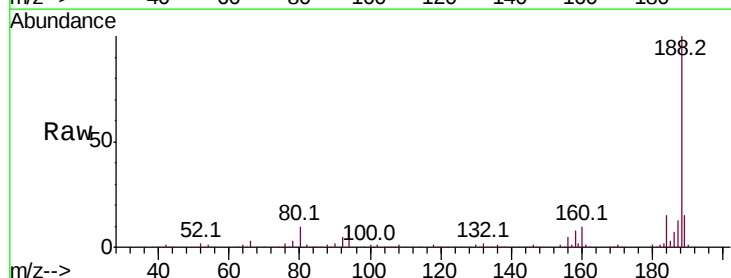
Instrument :
 BNA_F
 ClientSampleId :

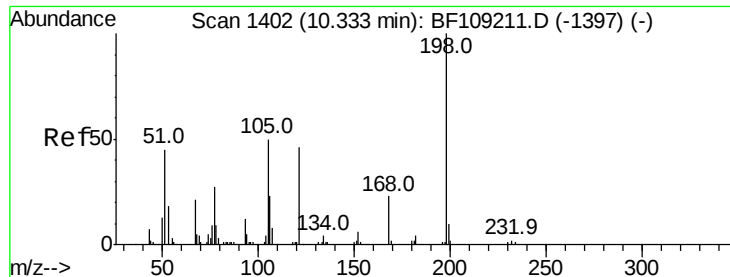
Tot Ion:165	Resp: 22352
Ion Ratio	Lower Upper
165 100	
63 0.0	36.4 54.6#
89 1.8	57.8 86.6#
182 0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

Tgt	Ion:188	Resp:	369538
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.2	9.2	13.8

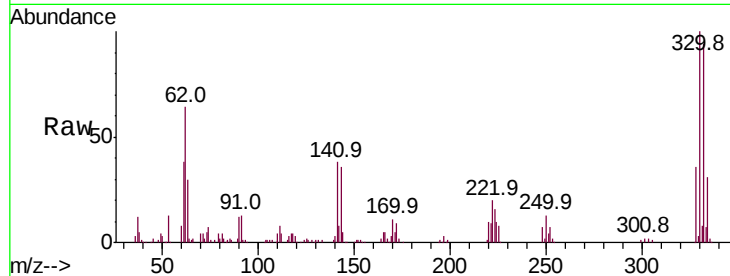




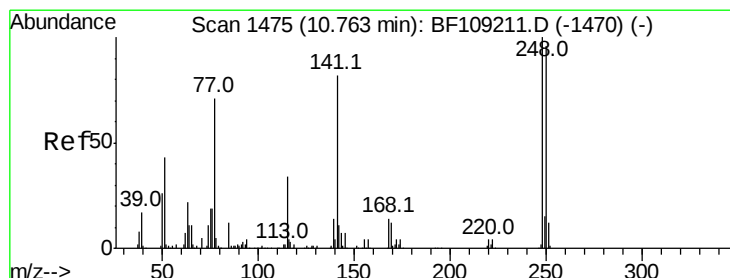
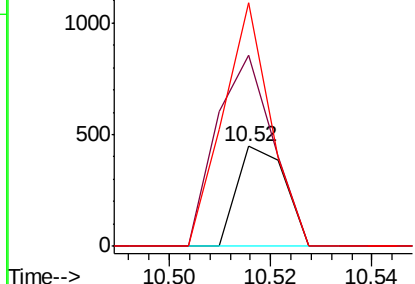
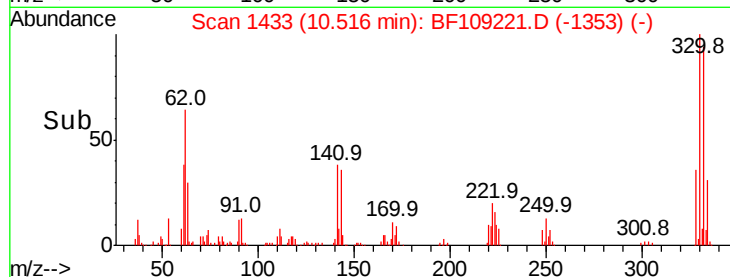
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.691 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 294
 Ion Ratio Lower Upper
 198 100
 51 191.7 37.7 77.7#
 105 244.4 36.3 76.3#

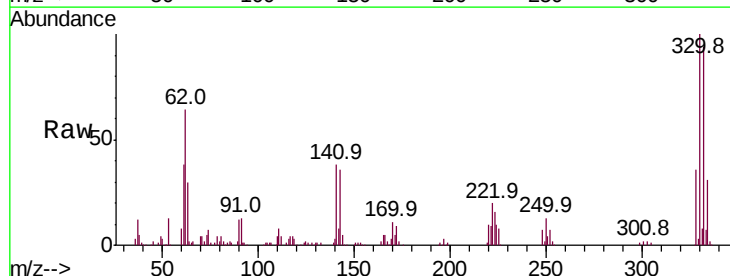


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

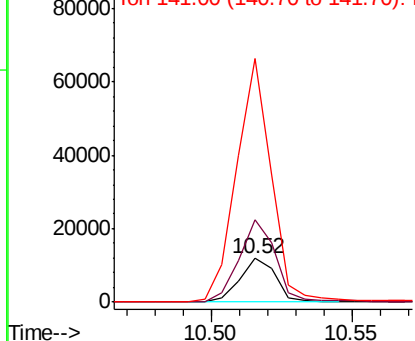
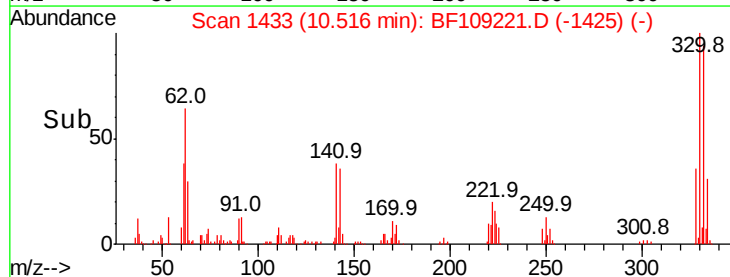


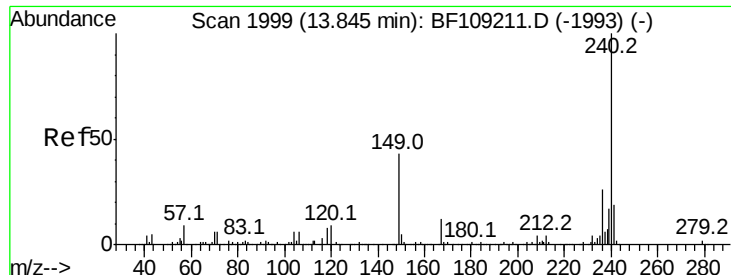
#66
 4-Bromophenyl-phenylether
 Concen: 2.541 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109221.D
 Acq: 22 Sep 2018 15:14

Tgt Ion:248 Resp: 10426
 Ion Ratio Lower Upper
 248 100
 250 190.0 76.9 115.3#
 141 557.6 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: BF109221.D

Acq: 22 Sep 2018 15:14

Instrument :

BNA_F

ClientSampleId :

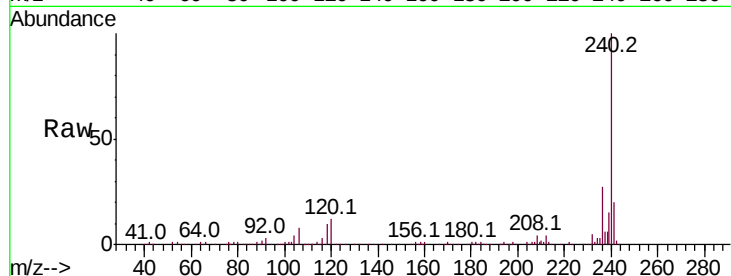
Tot Ion:240 Resp: 302112

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

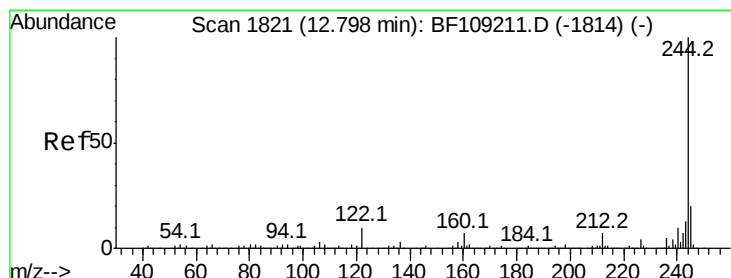
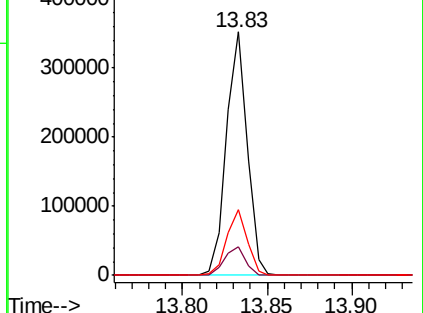
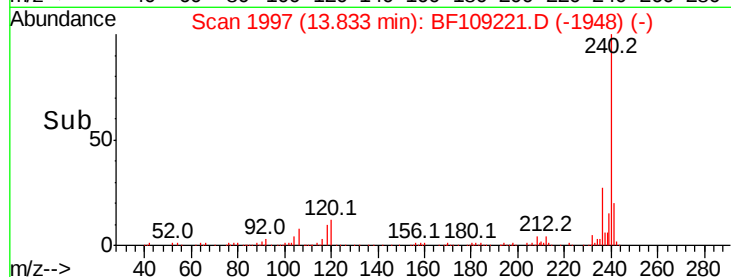
236 26.8 20.7 31.1



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: 79.928 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

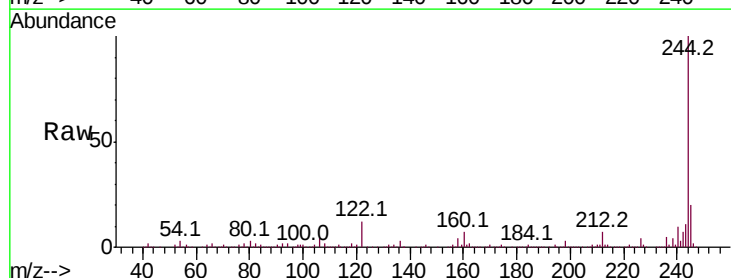
Tgt Ion:244 Resp: 983925

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

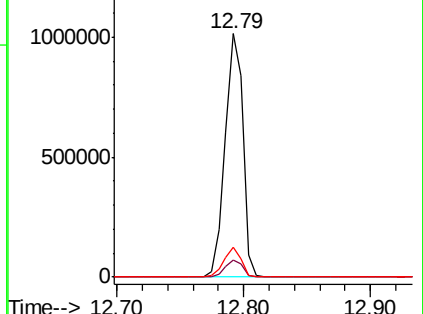
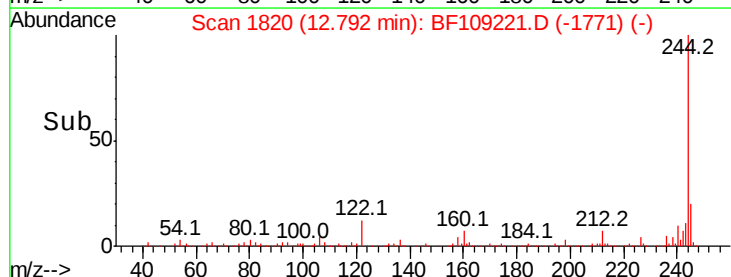
122 12.1 11.0 16.4

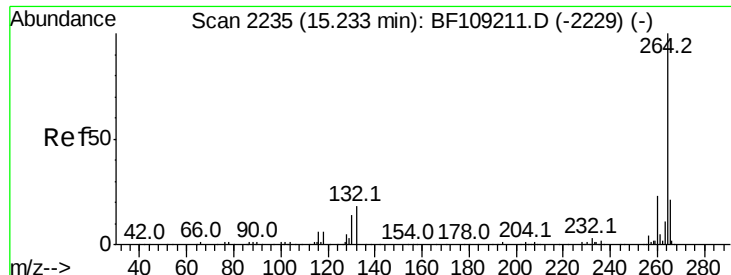


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

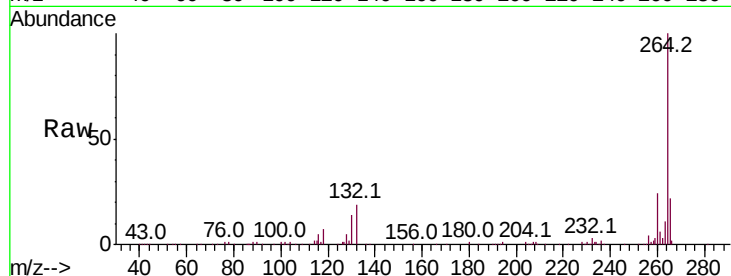




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109221.D
Acq: 22 Sep 2018 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	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

