

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109391.D
 Acq On : 27 Sep 2018 17:04
 Operator : JU/SJ
 Sample : J5066-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 17:56:15 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	110354	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	415271	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	198983	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	343604	20.00	ng	0.00
75) Chrysene-d12	13.84	240	242258	20.00	ng	0.00
86) Perylene-d12	15.24	264	284269	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	540913	80.73	ng	0.00
7) Phenol-d6	6.35	99	695098	81.30	ng	-0.01
23) Nitrobenzene-d5	7.27	82	436215	62.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	159112	81.12	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	802478	60.82	ng	-0.01
78) Terphenyl-d14	12.79	244	608841	61.68	ng	-0.01

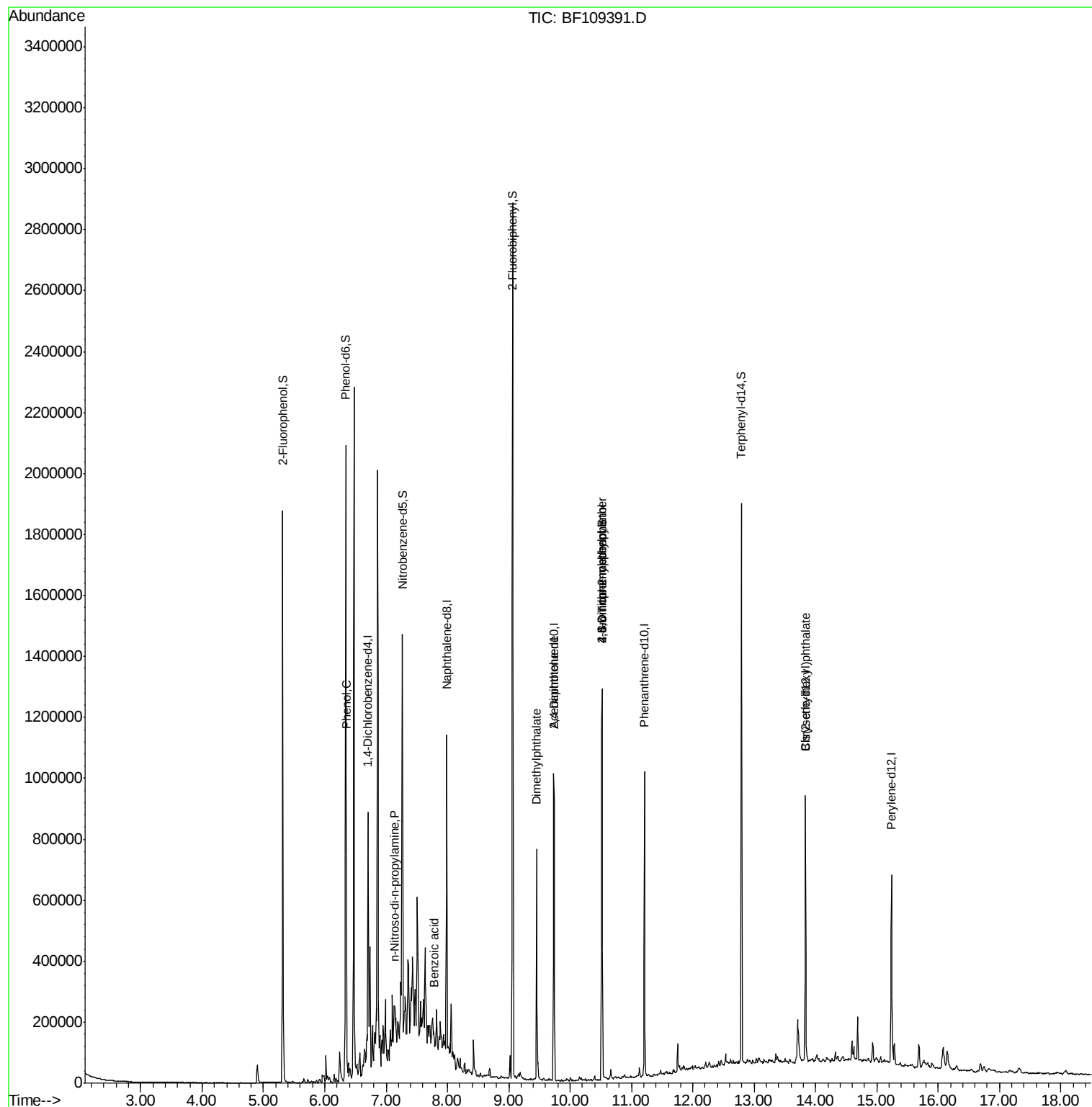
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	24504	2.531	ng	98
19) n-Nitroso-di-n-propylamine	7.14	70	12738	2.274	ng	# 60
32) Benzoic acid	7.79	122	1076	7.043	ng	# 19
49) Dimethylphthalate	9.46	163	272527	18.830	ng	99
56) 2,4-Dinitrotoluene	9.73	165	25055	6.908	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	289	6.701	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9948	2.607	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.83	149	56943	6.113	ng	99

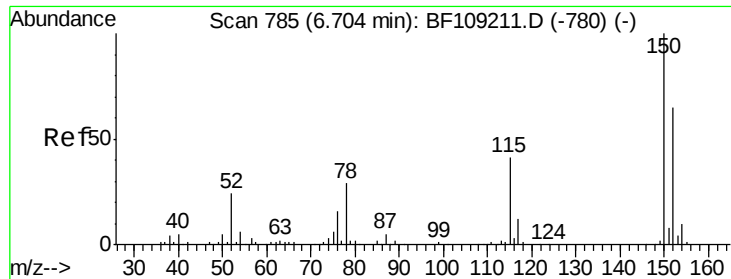
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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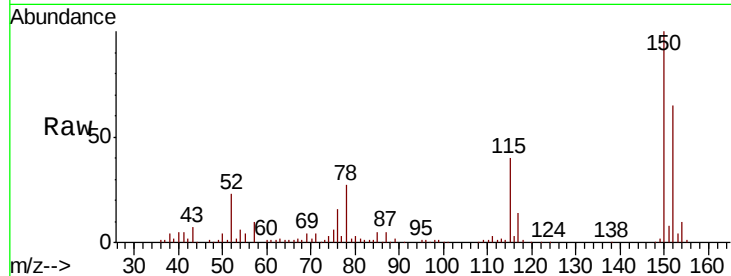


#1

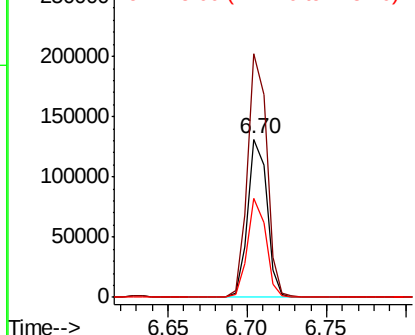
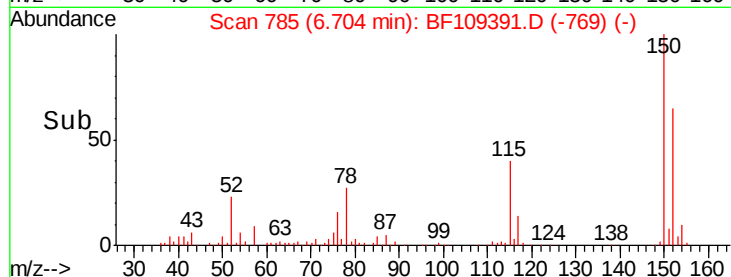
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109391.D
Acq: 27 Sep 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110354
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 62.4 50.1 75.1



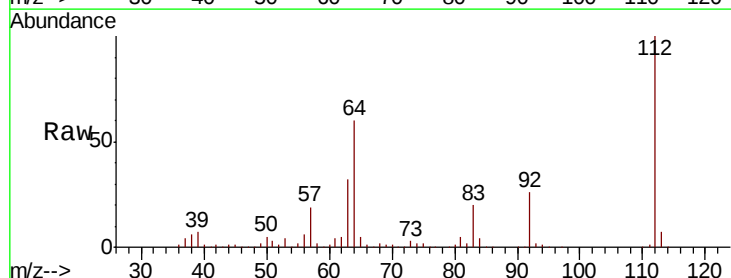
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



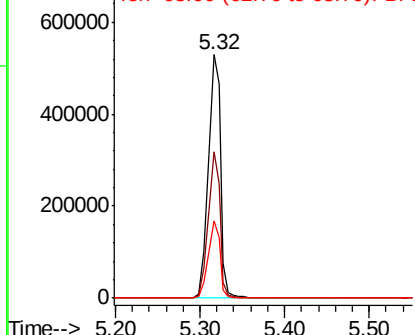
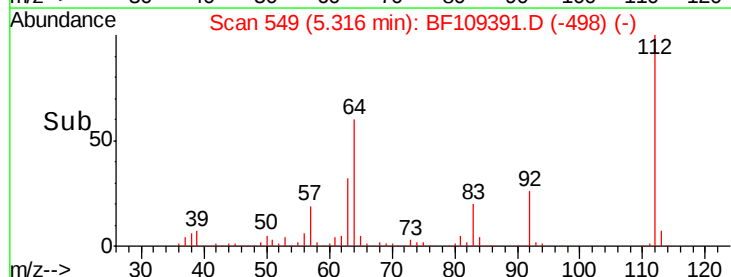
#5

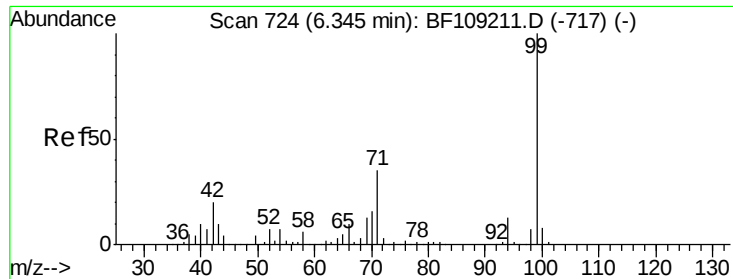
2-Fluorophenol
Concen: 80.733 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109391.D
Acq: 27 Sep 2018 17:04

Tgt Ion:112 Resp: 540913
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 31.6 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: 81.303 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

Instrument :

BNA_F

ClientSampled :

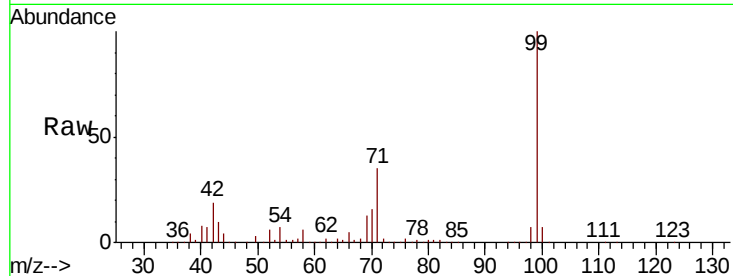
Tot Ion: 99 Resp: 695098

Ion Ratio Lower Upper

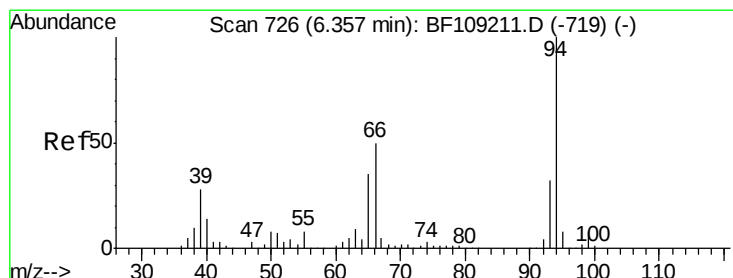
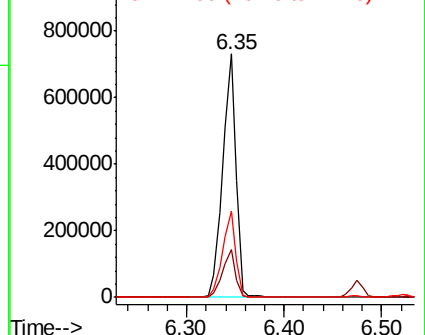
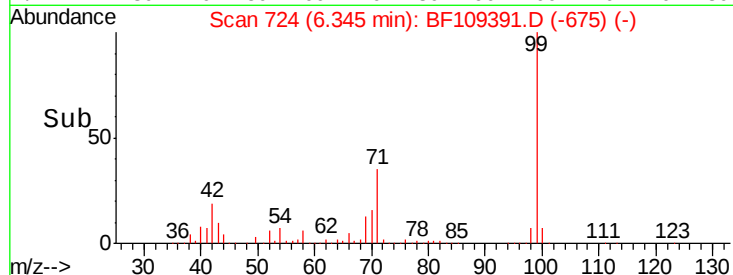
99 100

42 19.4 14.5 21.7

71 35.4 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



#10

Phenol

Concen: 2.531 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

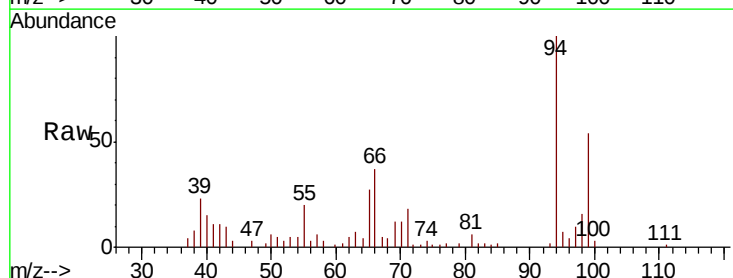
Tgt Ion: 94 Resp: 24504

Ion Ratio Lower Upper

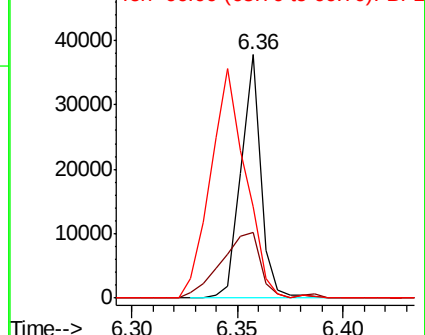
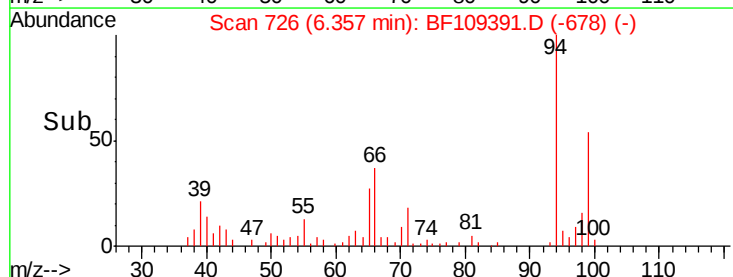
94 100

65 27.0 7.9 47.9

66 37.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

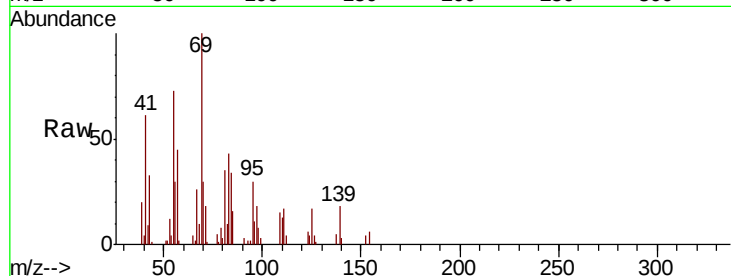




#19
n-Nitroso-di-n-propylamine
Concen: 2.274 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF109391.D
Acq: 27 Sep 2018 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
70	100		
42	28.9	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



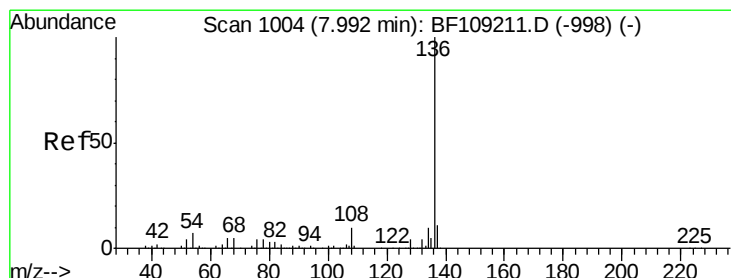
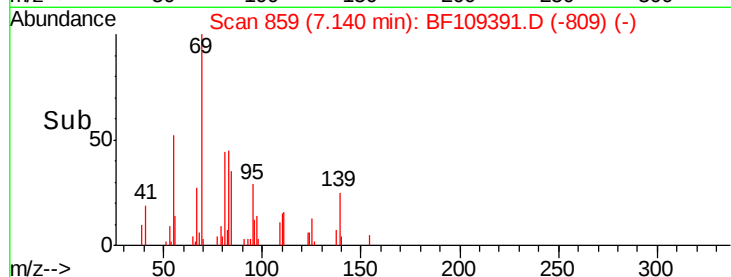
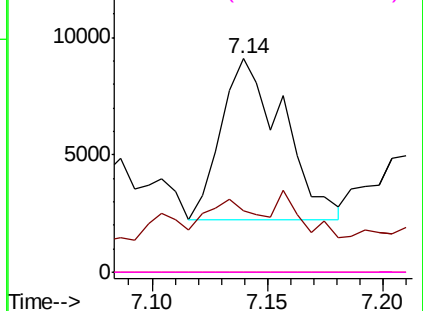
Abundance

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: BF109391.D
Acq: 27 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	5.9	5.0	7.4

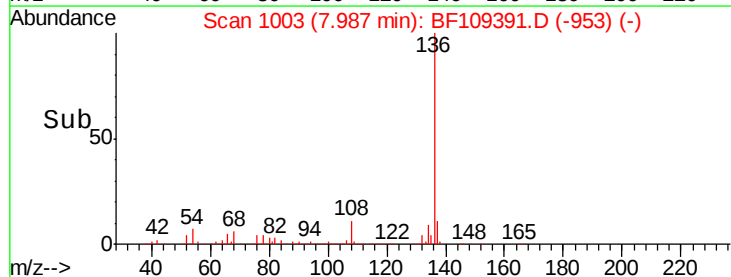
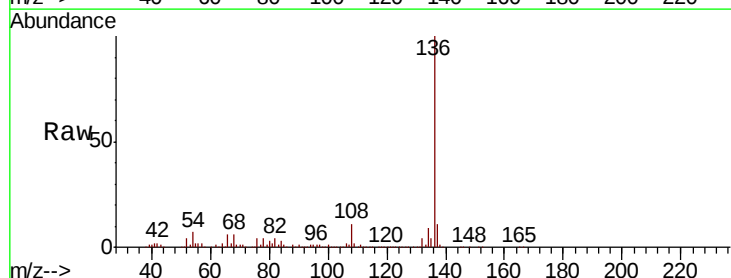
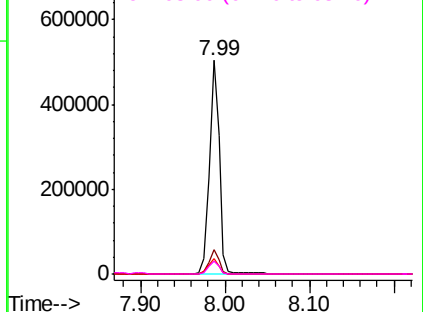
Abundance

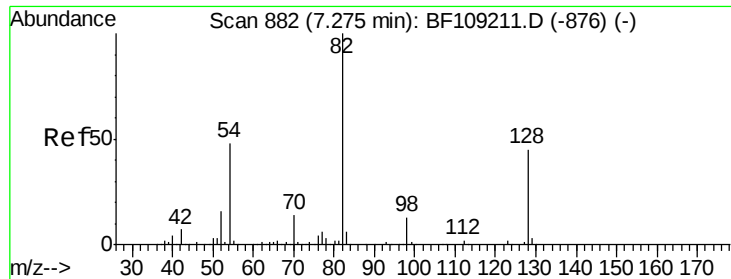
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

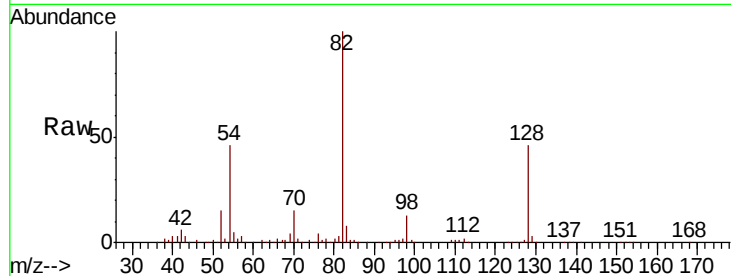




#23
 Nitrobenzene-d5
 Concen: 62.009 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	436215
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.1	54.1
54	46.3	41.4	62.2

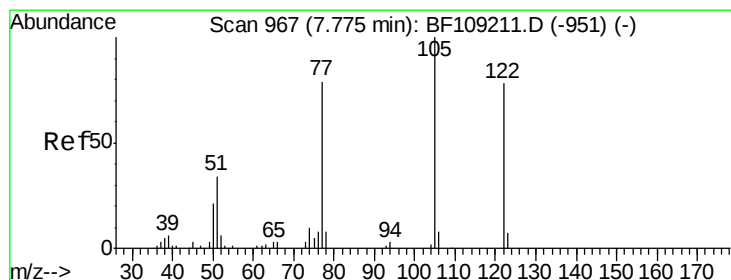
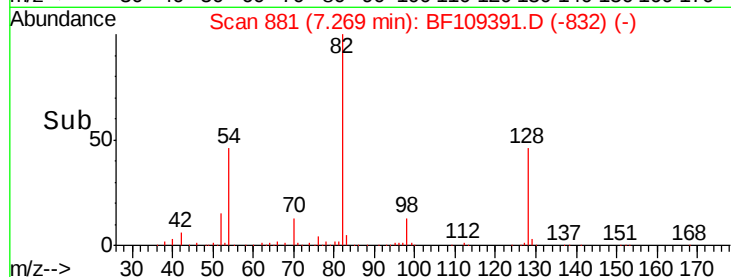
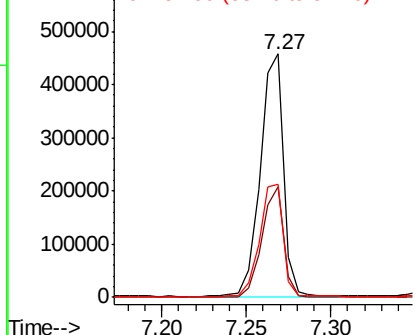


Abundance

Ion 82.00 (81.70 to 82.70): BF1

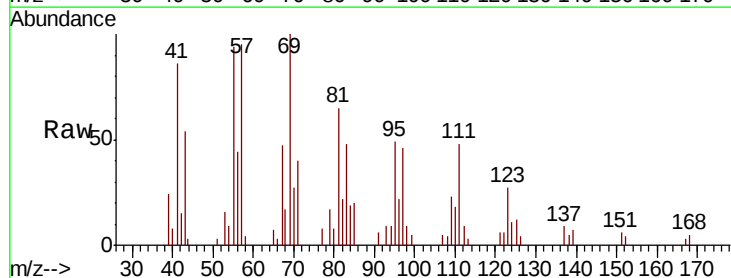
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#32
 Benzoic acid
 Concen: 7.043 ng
 RT: 7.79 min Scan# 969
 Delta R.T. -0.03 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Tgt Ion	122	Resp	1076
Ion Ratio	Lower	Upper	
122	100		
105	0.0	101.1	141.1#
77	131.9	70.7	110.7#

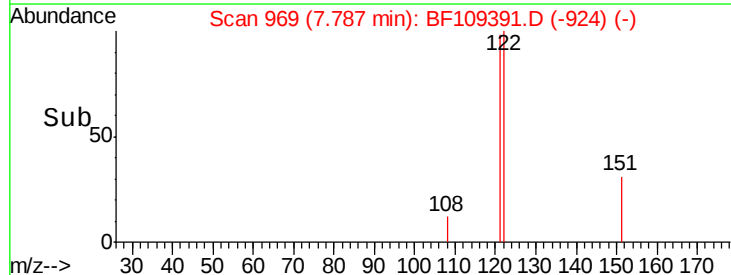
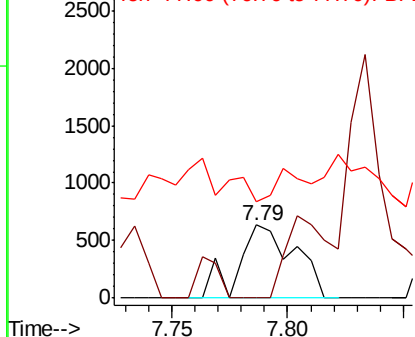


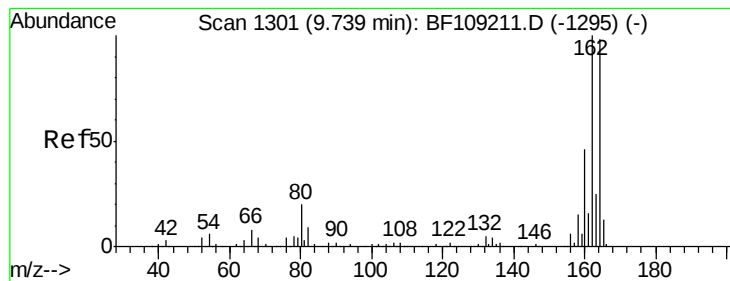
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

Instrument :

BNA_F

ClientSampleId :

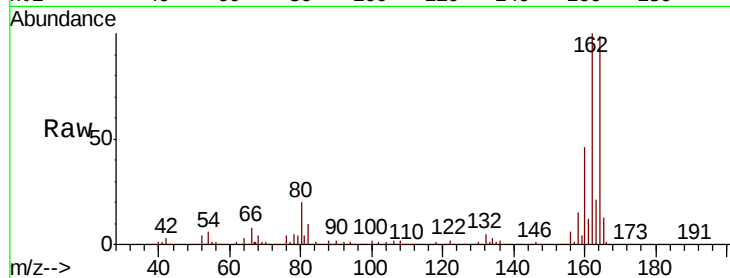
Tot Ion:164 Resp: 198983

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

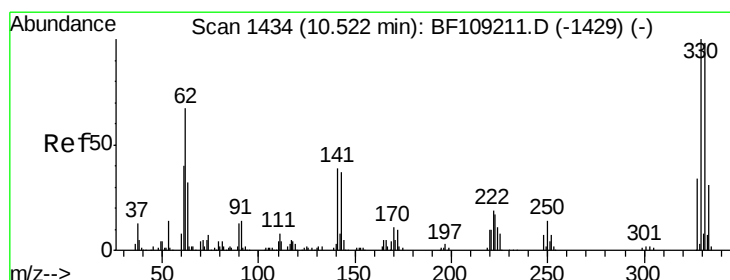
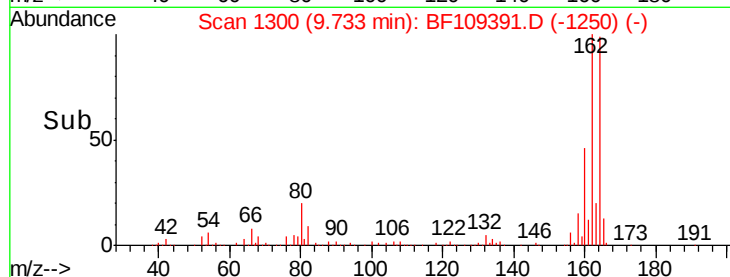
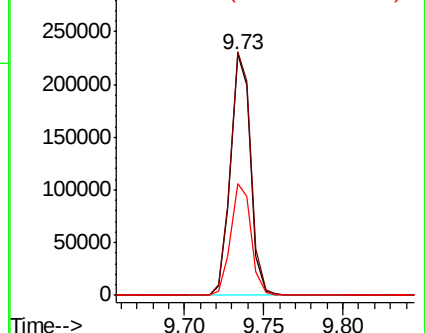
160 46.3 38.3 57.5



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: 81.115 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

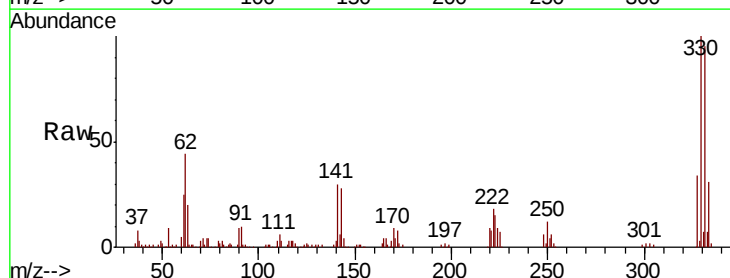
Tgt Ion:330 Resp: 159112

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

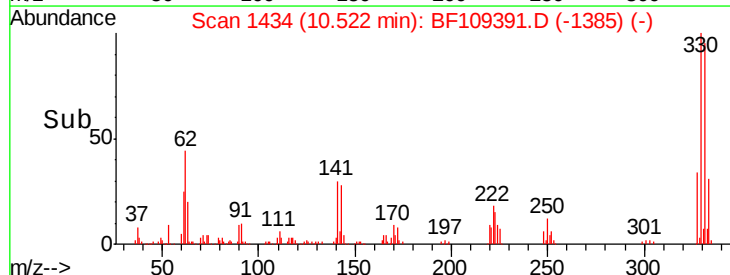
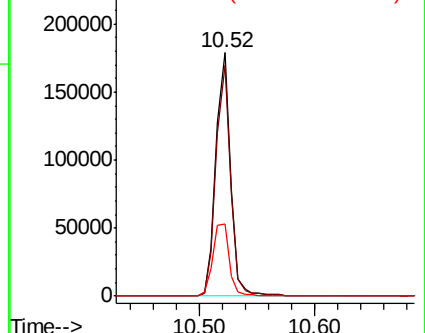
141 33.3 29.9 44.9

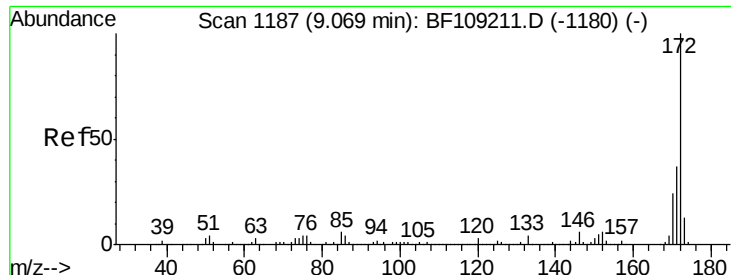


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

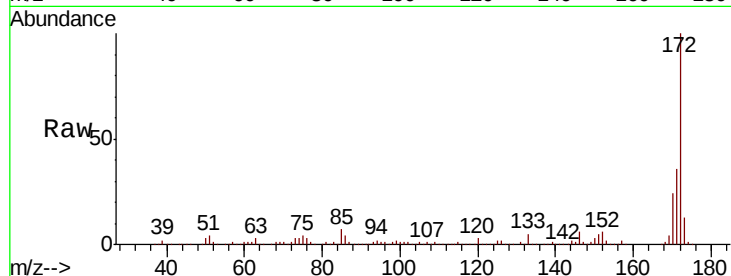




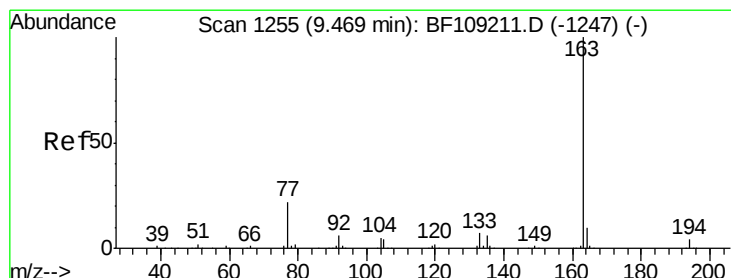
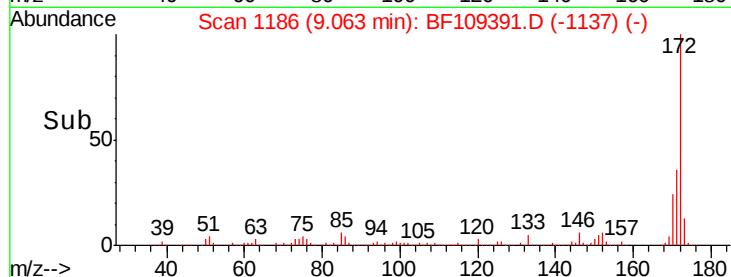
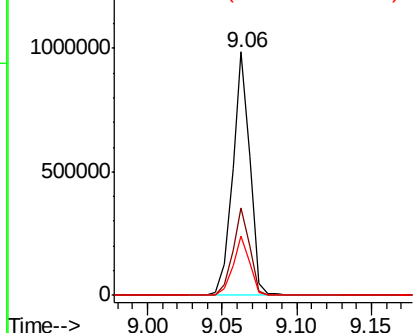
#44
2-Fluorobiphenyl
Concen: 60.824 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109391.D
Acq: 27 Sep 2018 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 802478
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.2 19.6 29.4

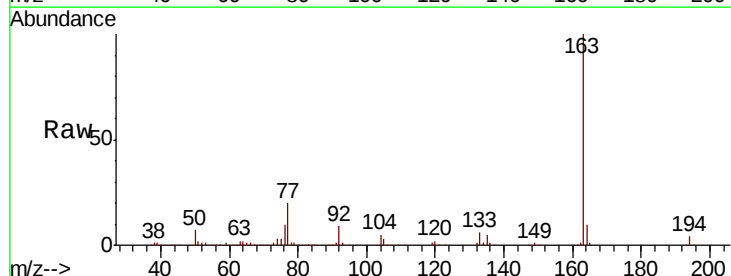


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

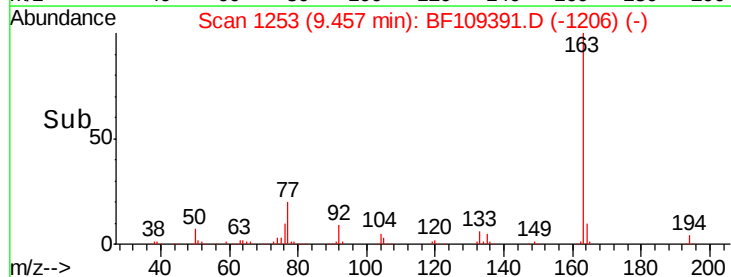
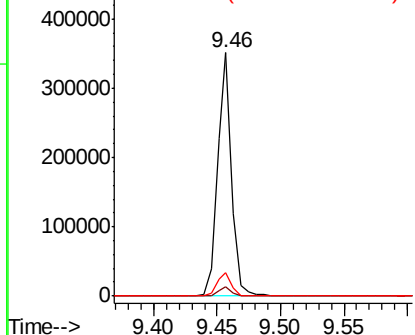


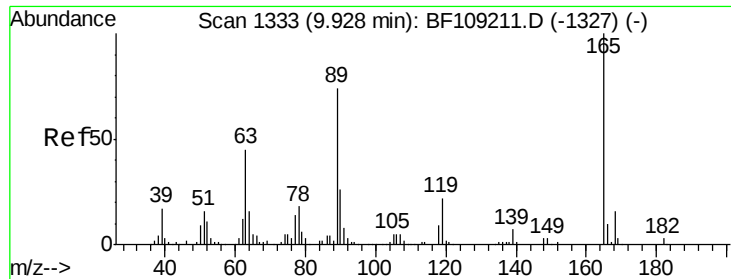
#49
Dimethylphthalate
Concen: 18.830 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109391.D
Acq: 27 Sep 2018 17:04

Tgt Ion:163 Resp: 272527
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 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

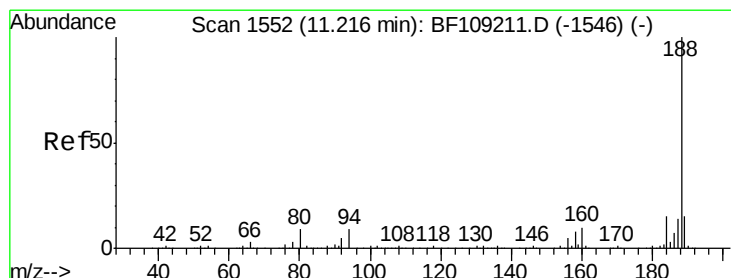
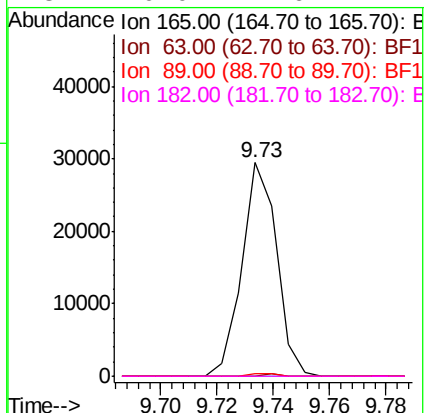
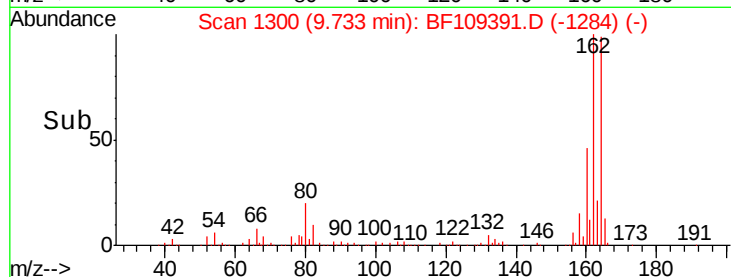
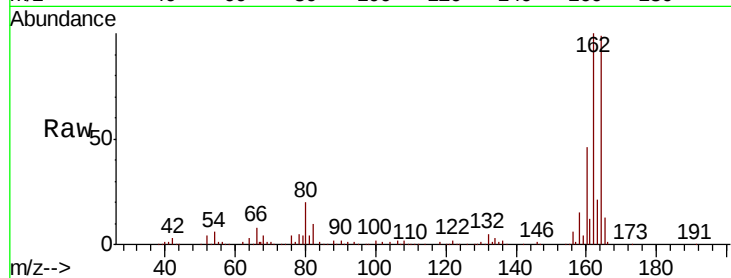




#56
 2,4-Dinitrotoluene
 Concen: 6.908 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

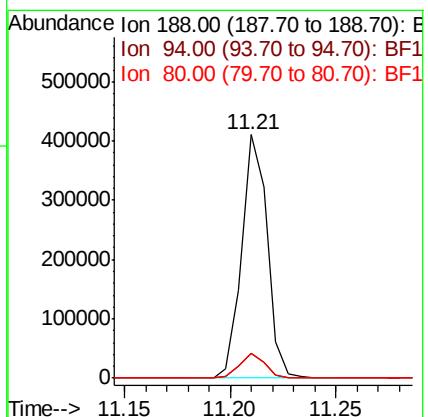
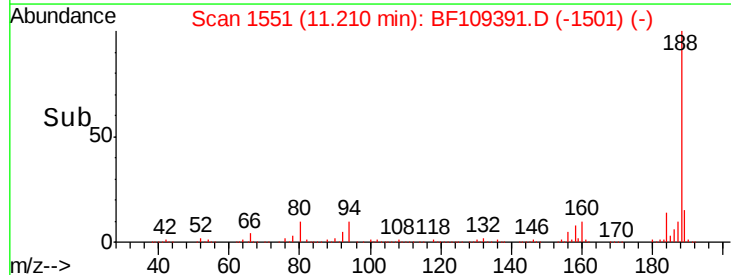
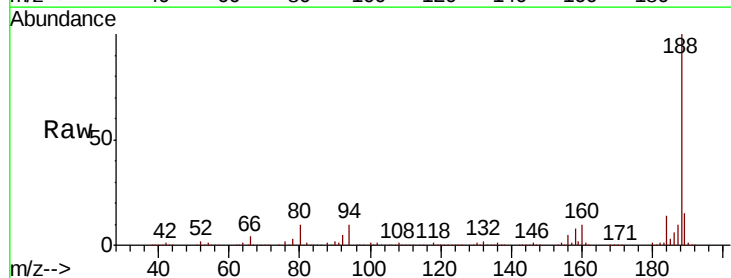
Instrument :
 BNA_F
 ClientSampleId :

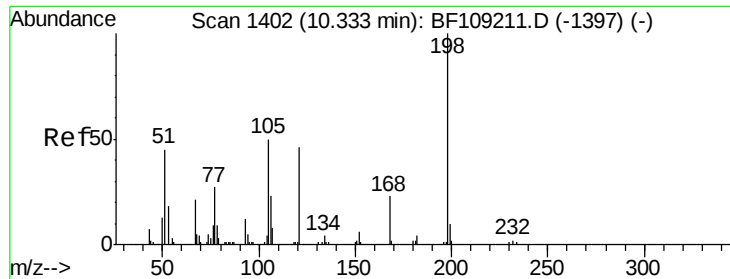
Tot Ion:165	Resp: 25055
Ion Ratio	Lower Upper
165 100	
63 0.0	36.4 54.6#
89 1.5	57.8 86.6#
182 0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Tgt Ion	188	Resp: Lower	343604 Upper
	Ratio		
188	100		
94	10.0	8.5	12.7
80	10.4	9.2	13.8

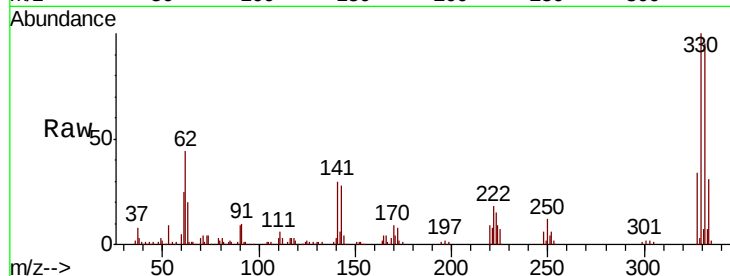




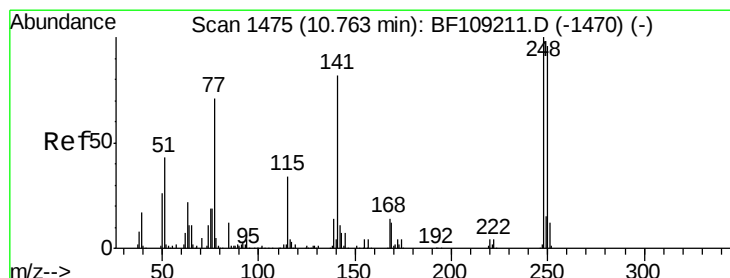
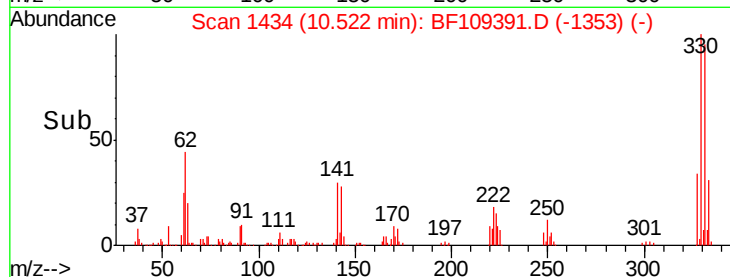
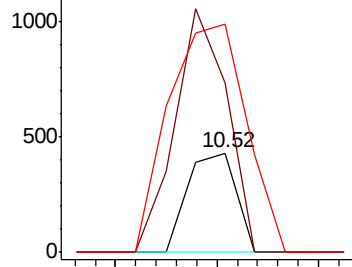
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.701 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 289
 Ion Ratio Lower Upper
 198 100
 51 169.6 37.7 77.7#
 105 228.8 36.3 76.3#

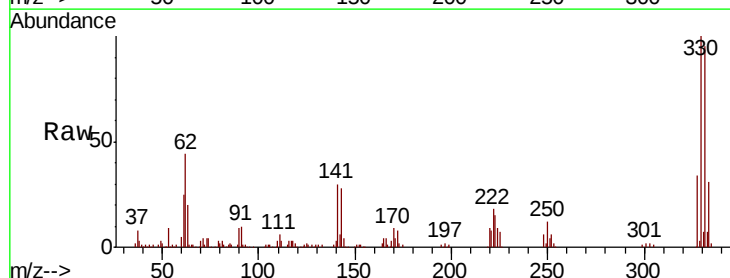


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

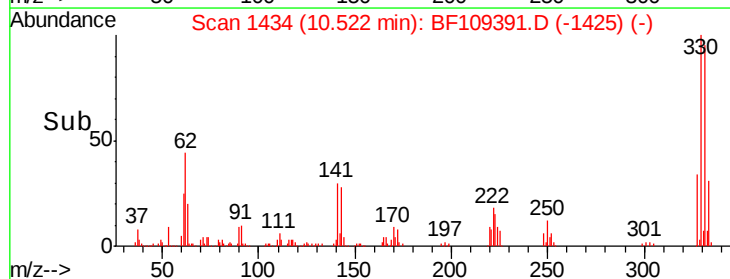
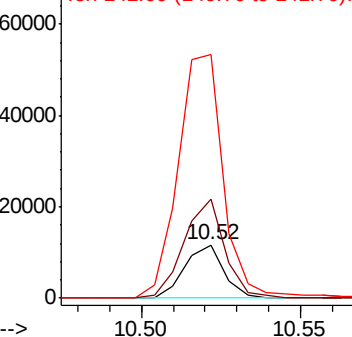


#66
 4-Bromophenyl-phenylether
 Concen: 2.607 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Tgt Ion:248 Resp: 9948
 Ion Ratio Lower Upper
 248 100
 250 186.0 76.9 115.3#
 141 459.9 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

Instrument :

BNA_F

ClientSampleId :

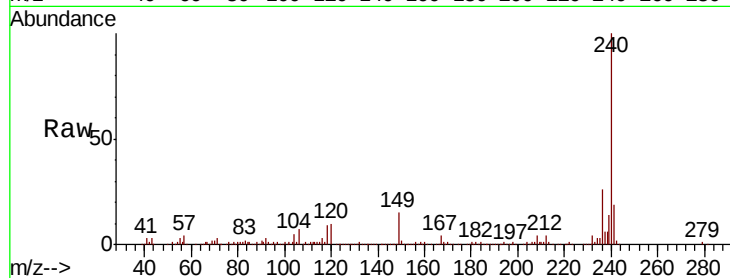
Tot Ion:240 Resp: 242258

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

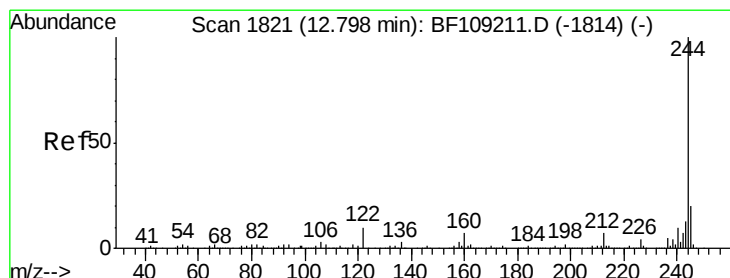
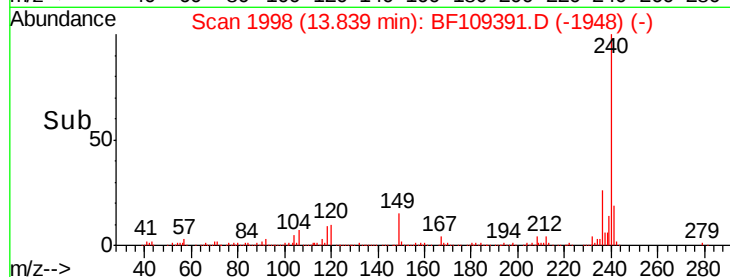
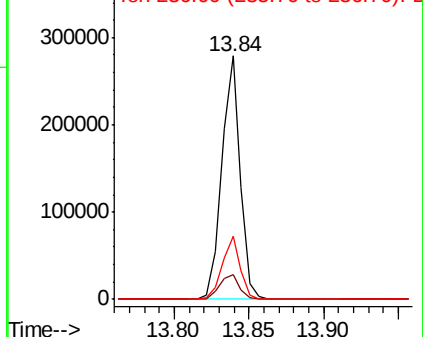
236 26.2 20.7 31.1



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: 61.678 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109391.D

Acq: 27 Sep 2018 17:04

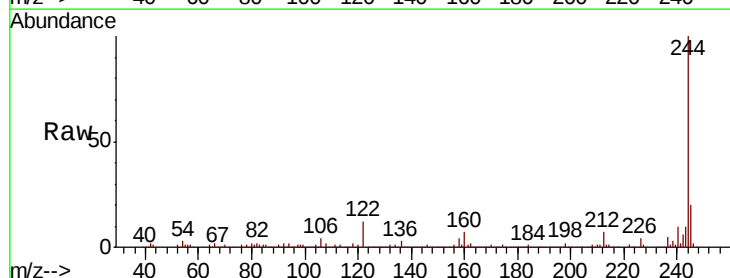
Tgt Ion:244 Resp: 608841

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

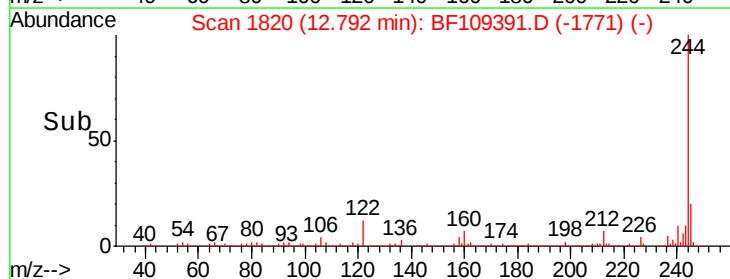
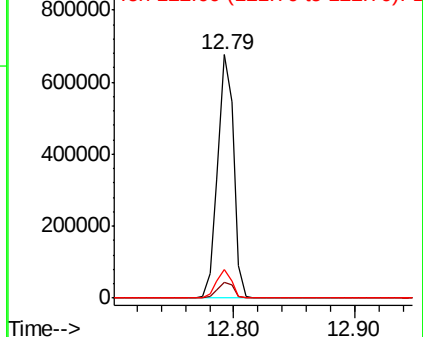
122 11.6 11.0 16.4

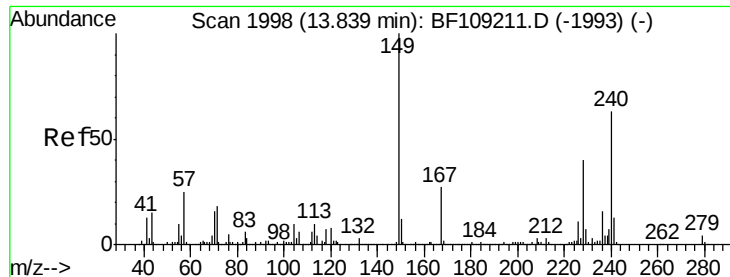


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

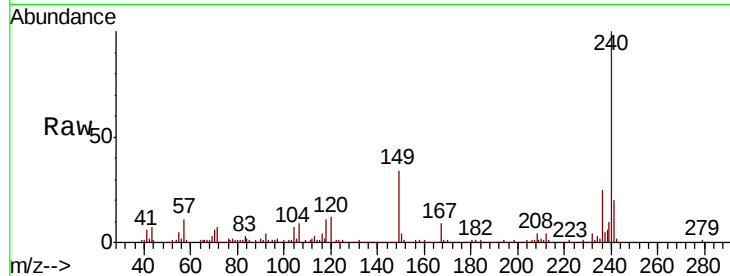




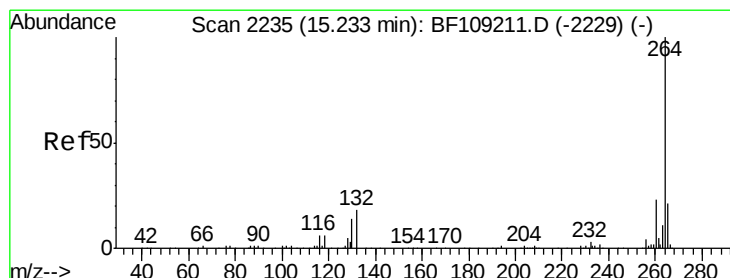
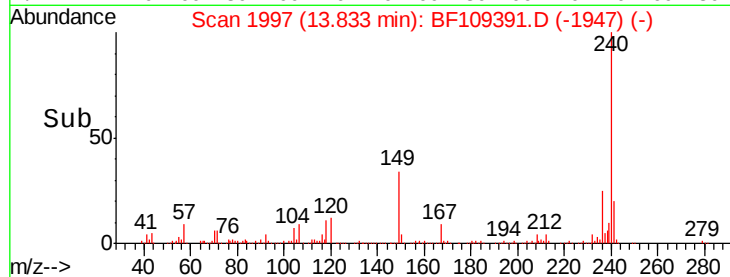
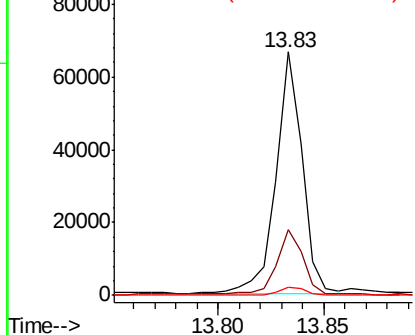
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.113 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	149	Resp	56943
Ion Ratio	100	Lower	Upper
167	26.9	21.3	31.9
279	3.3	3.0	4.4

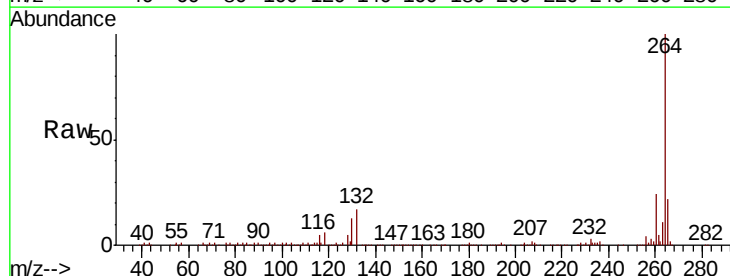


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109391.D
 Acq: 27 Sep 2018 17:04

Tgt Ion	264	Resp	284269
Ion Ratio	100	Lower	Upper
260	24.0	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

