

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109909.D
 Acq On : 16 Oct 2018 16:59
 Operator : JU/SJ
 Sample : J5516-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 03:51:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

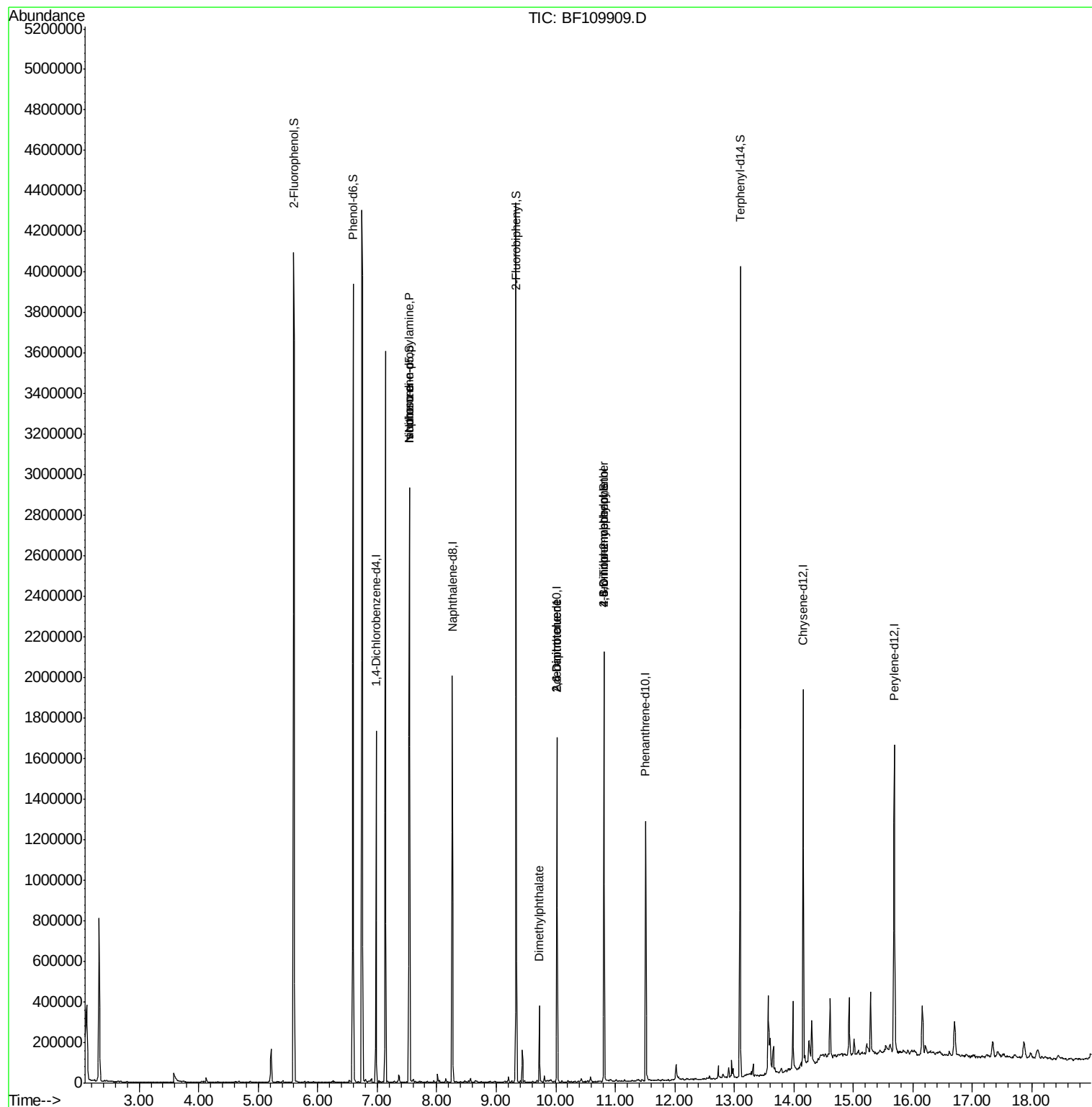
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	225513	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	796597	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	300744	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	472603	20.00	ng	0.00
76) Chrysene-d12	14.16	240	564991	20.00	ng	0.00
87) Perylene-d12	15.69	264	582100	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1166892	82.02	ng	0.00
7) Phenol-d6	6.60	99	1407585	79.68	ng	0.00
23) Nitrobenzene-d5	7.54	82	845537	71.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	220576	84.71	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1338344	71.01	ng	0.00
79) Terphenyl-d14	13.10	244	1202134	44.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	112069	9.880	ng	# 79
25) Isophorone	7.54	82	845521	36.389	ng	# 67
50) Dimethylphthalate	9.73	163	138396	6.499	ng	# 99
51) 2,6-Dinitrotoluene	10.02	165	38866	9.609	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	38866	11.464	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	387	8.093	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	13841	2.702	ng	# 1

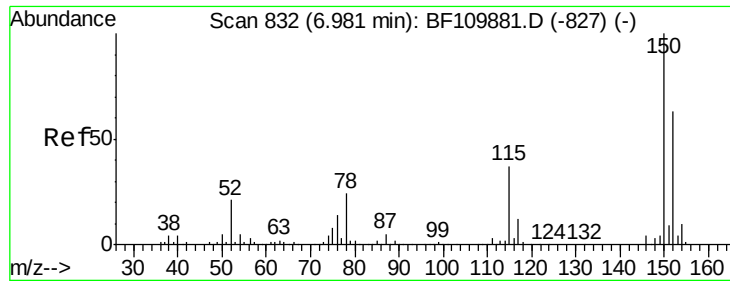
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Oct 17 03:51:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



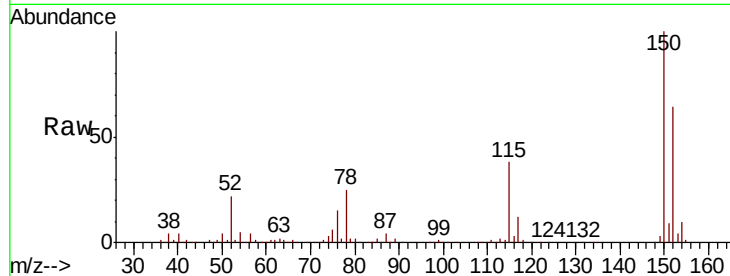


#1

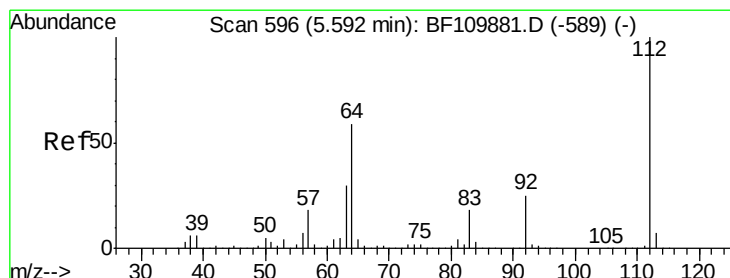
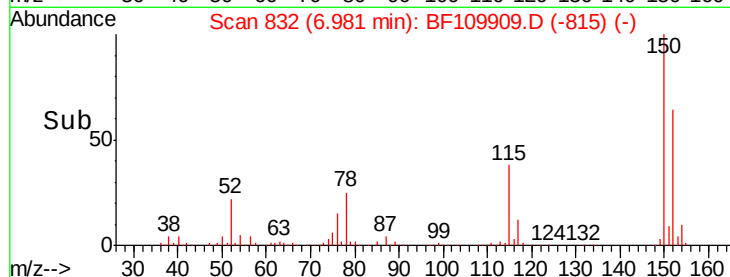
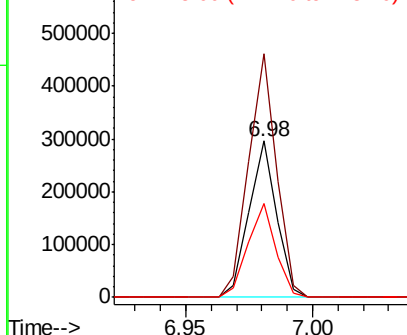
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 225513
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 59.8 49.1 73.7



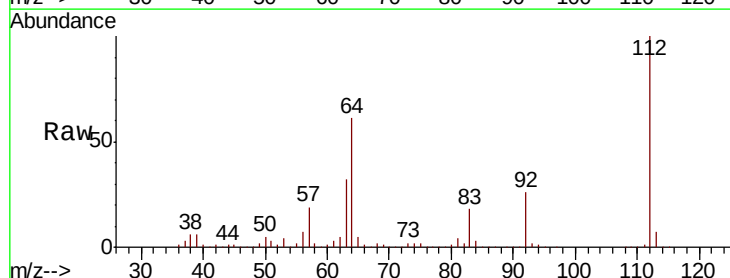
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



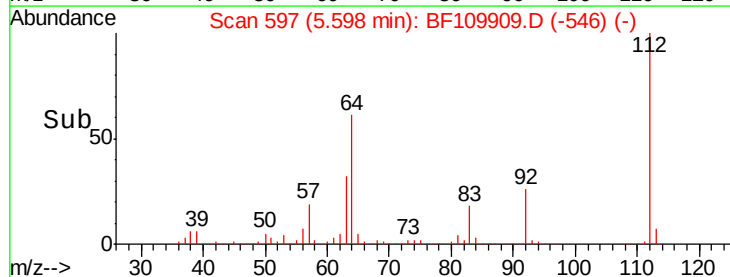
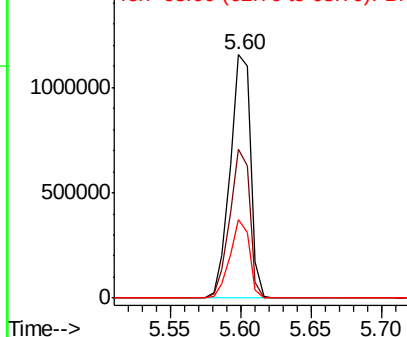
#5

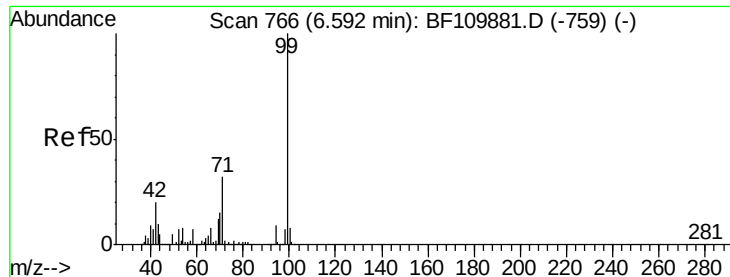
2-Fluorophenol
Concen: 82.021 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Tgt Ion:112 Resp: 1166892
Ion Ratio Lower Upper
112 100
64 61.0 44.1 66.1
63 32.3 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: 79.678 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

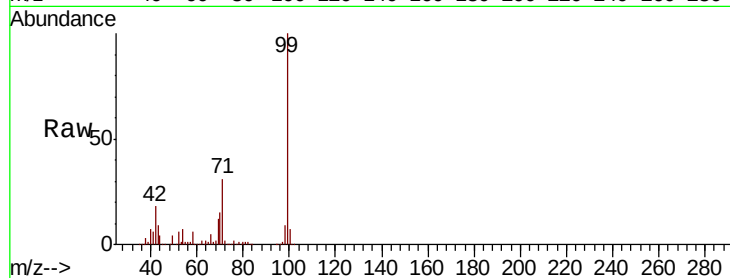
Tot Ion: 99 Resp: 1407585

Ion Ratio Lower Upper

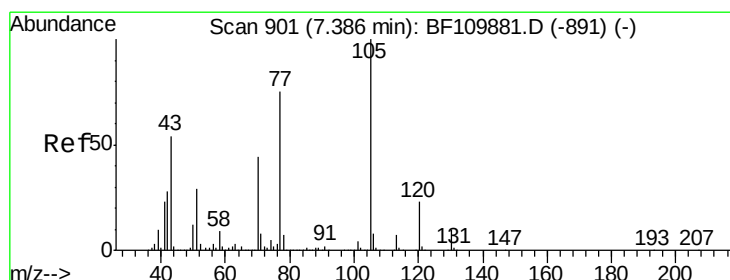
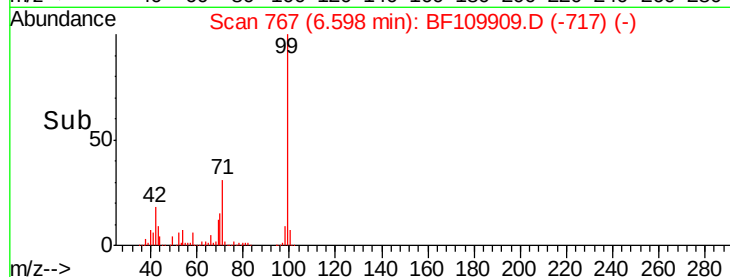
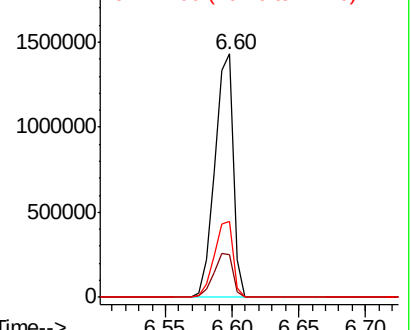
99 100

42 17.8 15.8 23.6

71 31.3 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: 9.880 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

Tgt Ion: 70 Resp: 112069

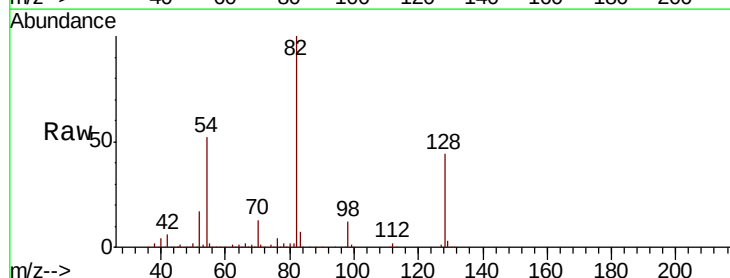
Ion Ratio Lower Upper

70 100

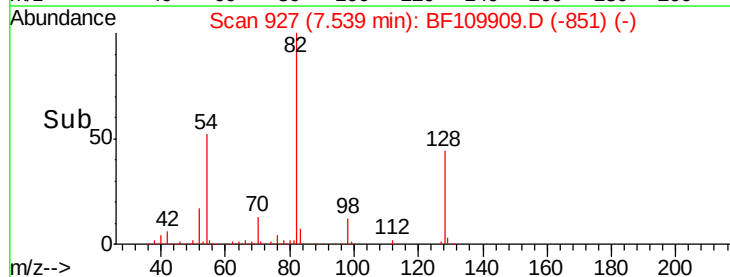
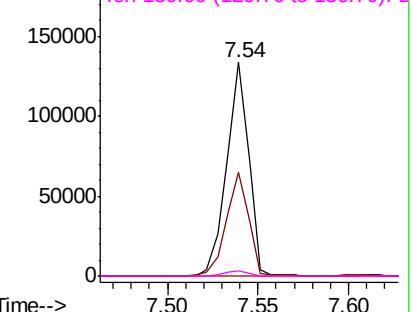
42 48.5 47.4 71.2

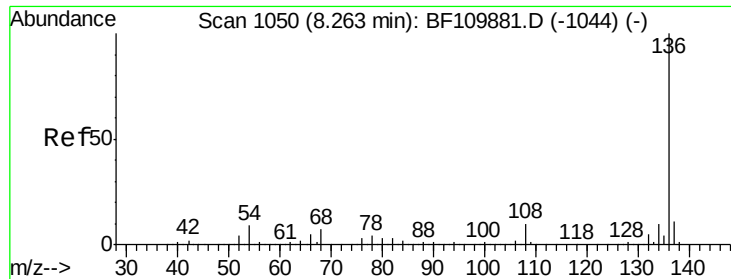
101 0.0 7.3 10.9#

130 2.5 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

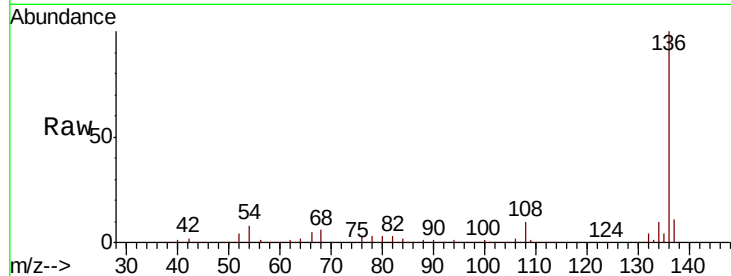




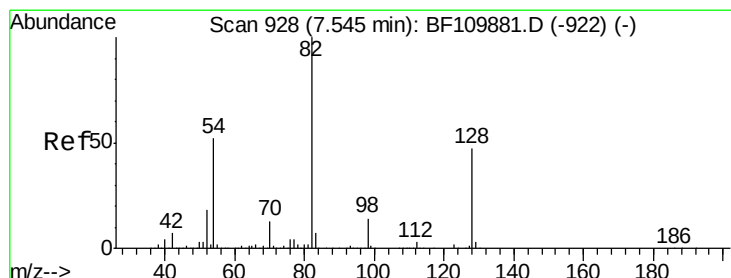
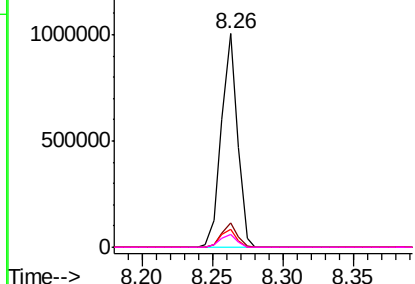
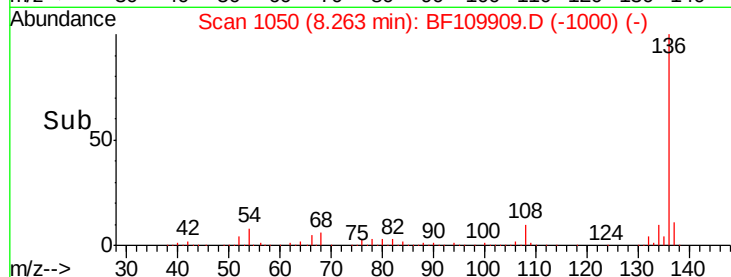
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	796597
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	8.5	5.4 8.2#
68	6.2	4.2 6.2

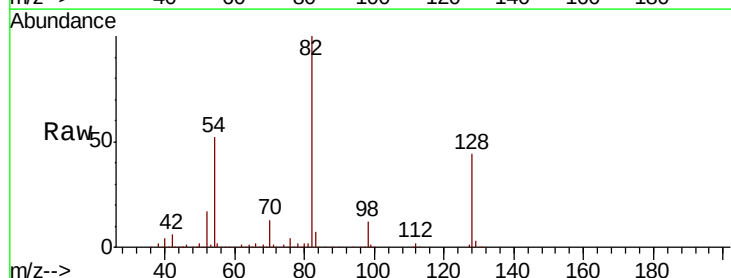


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

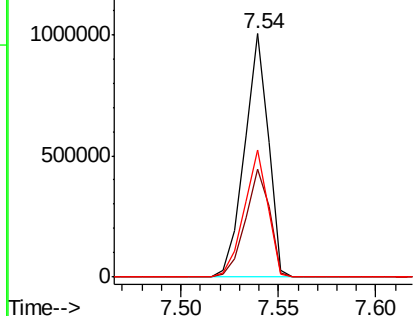
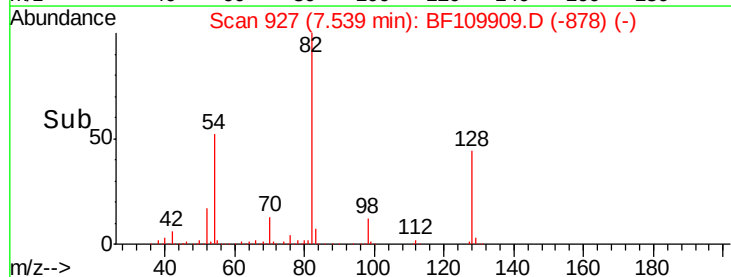


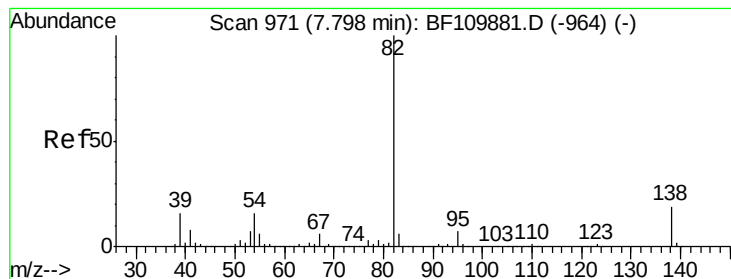
#23
Nitrobenzene-d5
Concen: 71.502 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Tgt Ion: 82	Resp:	845537
Ion Ratio	Lower	Upper
82	100	
128	44.2	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: 36.389 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

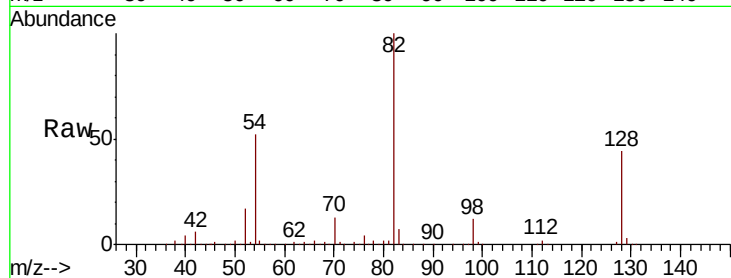
Tot Ion: 82 Resp: 845521

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

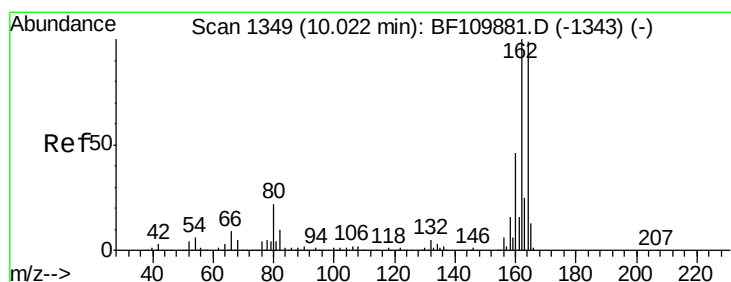
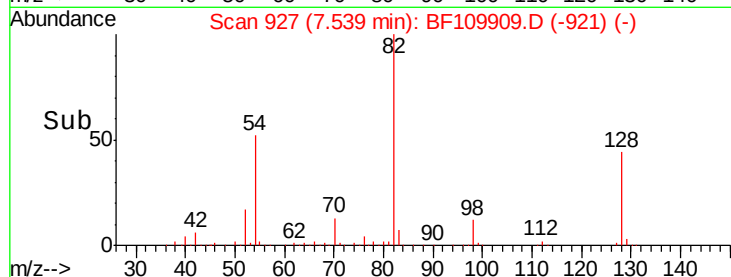
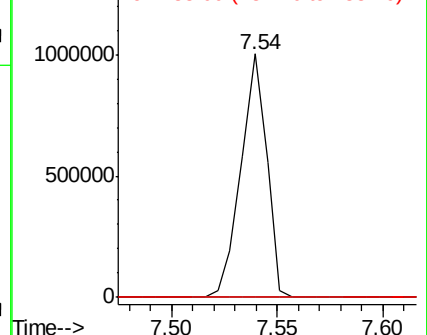
138 0.0 13.2 19.8#



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: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

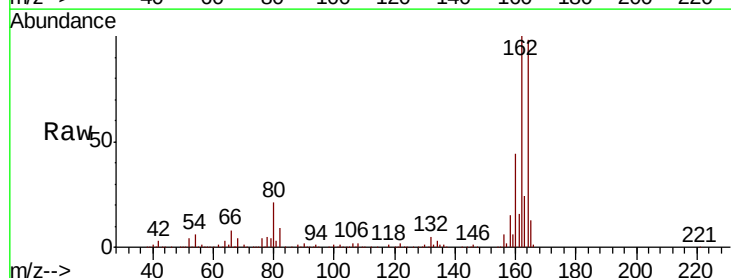
Tgt Ion:164 Resp: 300744

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.6

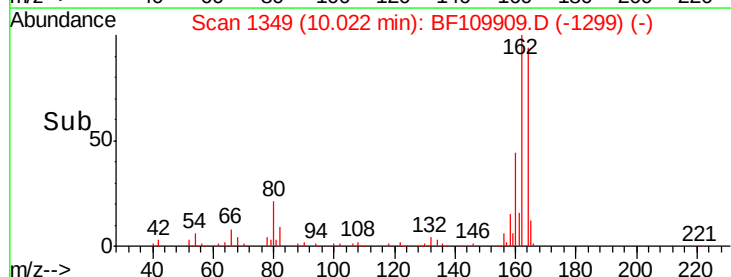
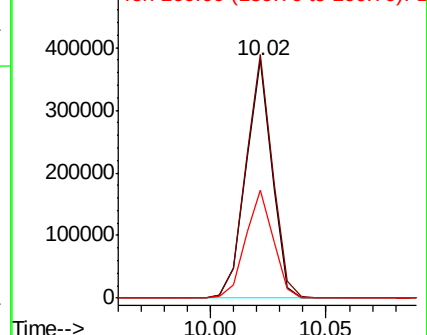
160 45.3 37.0 55.6

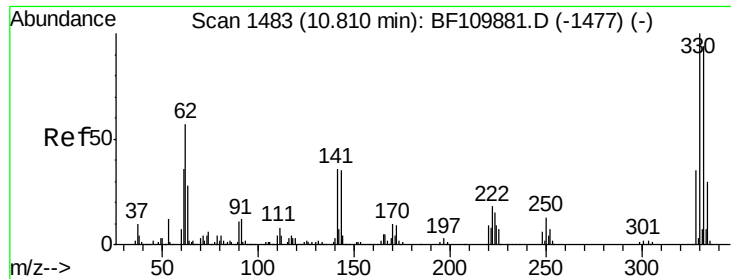


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

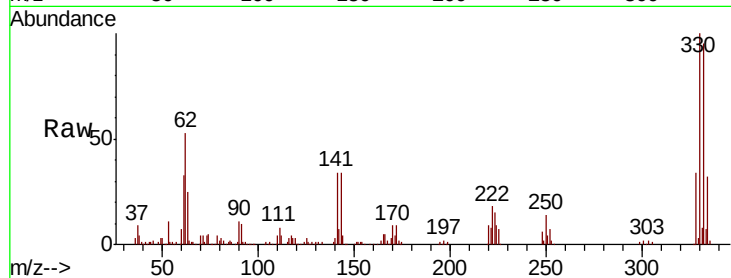




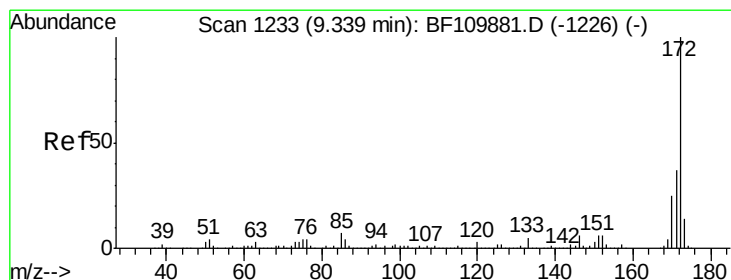
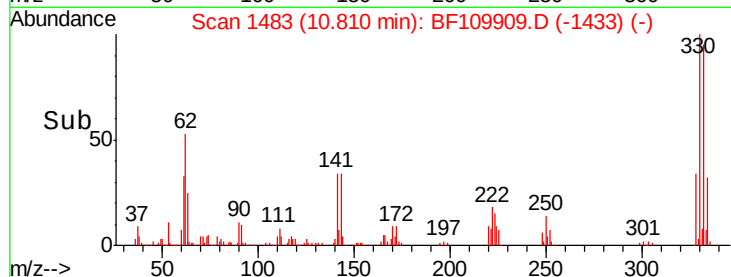
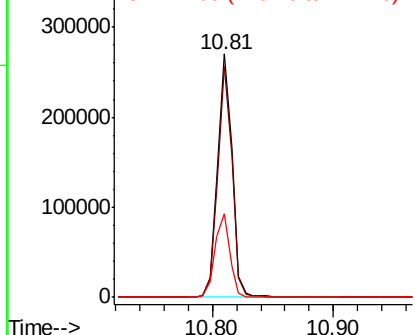
#42
 2,4,6-Tribromophenol
 Concen: 84.714 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109909.D
 Acq: 16 Oct 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	35.2	27.0	40.4

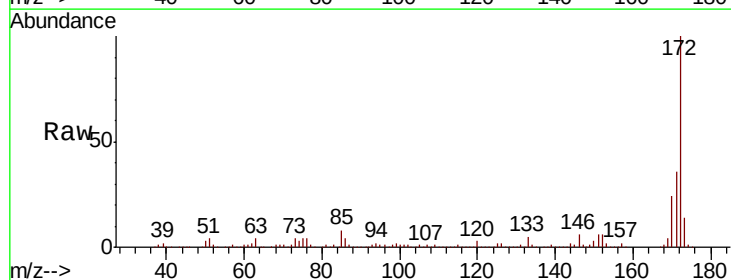


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

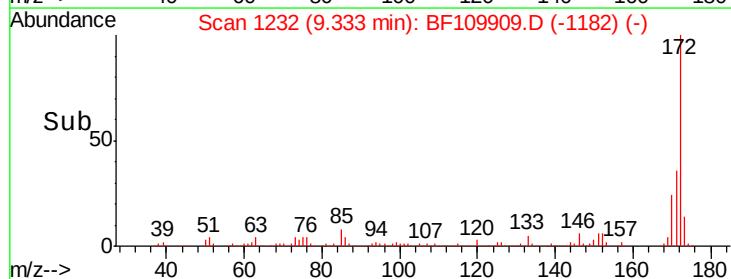
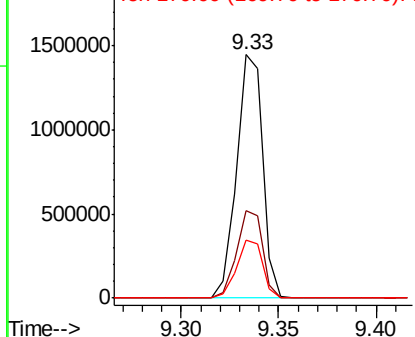


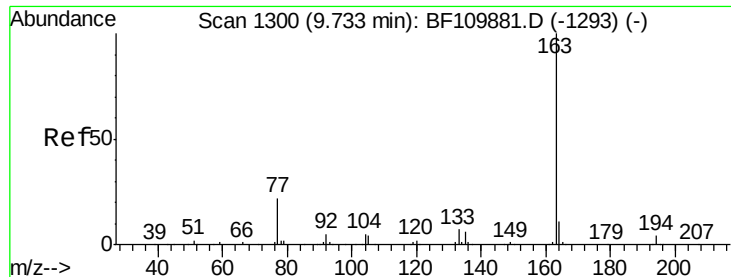
#45
 2-Fluorobiphenyl
 Concen: 71.008 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109909.D
 Acq: 16 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.9	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

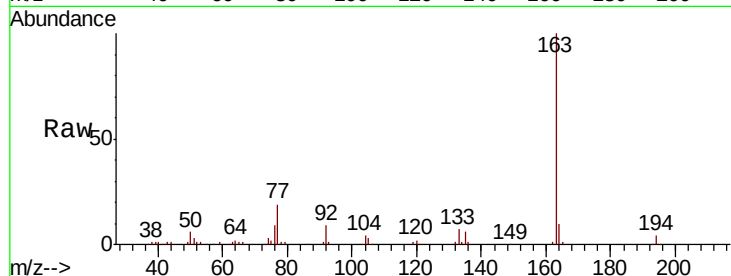




#50
Dimethylphthalate
Concen: 6.499 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.6	8.1	12.1

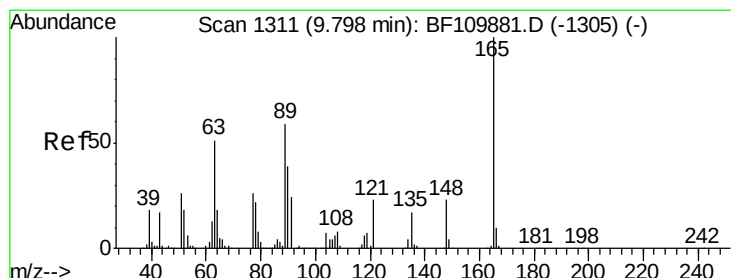
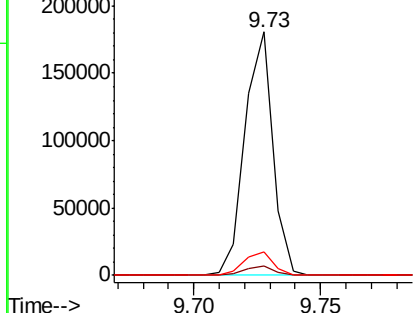
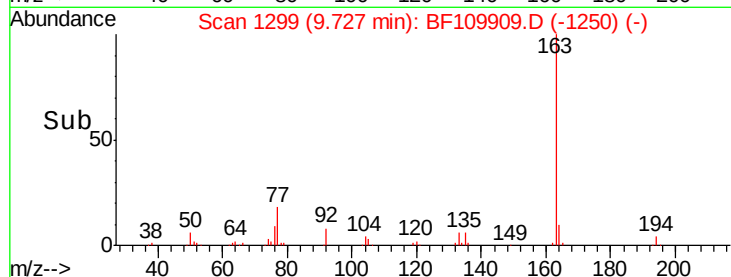


Abundance

Ion 163.00 (162.70 to 163.70): E

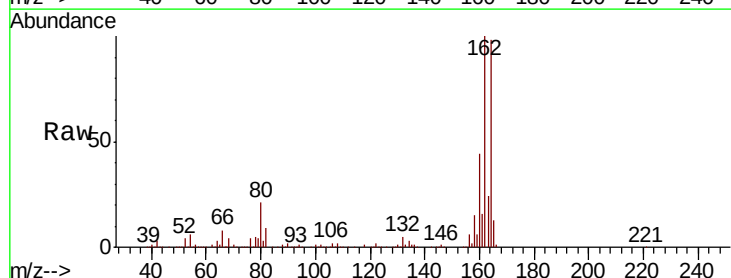
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.609 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.22 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	1.2	46.6	69.8#

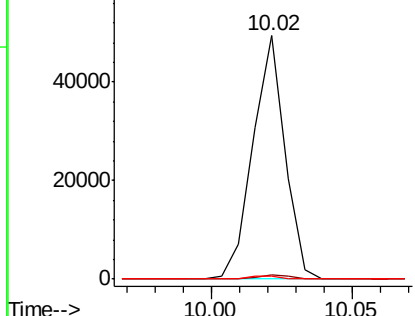
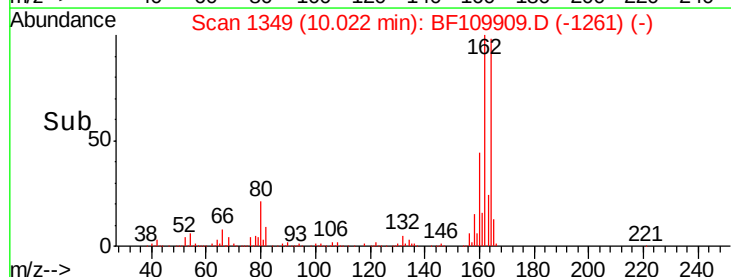


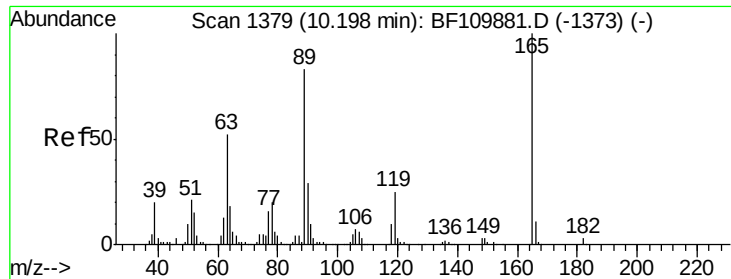
Abundance

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: 11.464 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.19 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 38866

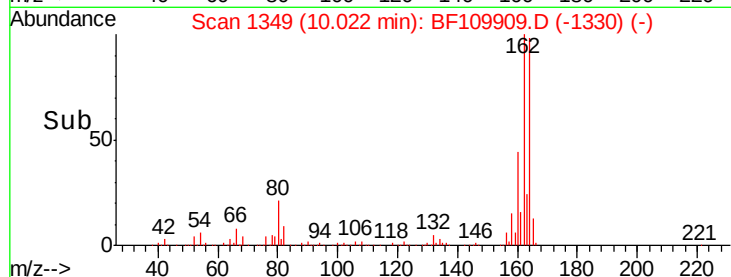
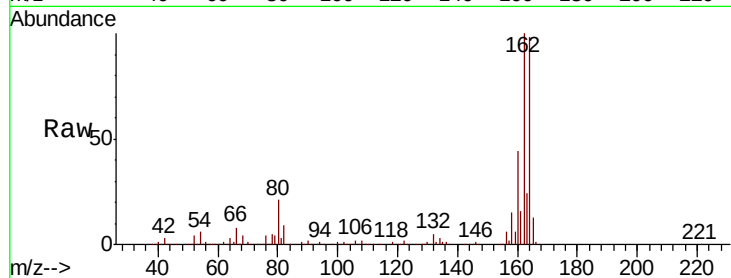
Ion Ratio Lower Upper

165 100

63 1.5 44.8 67.2#

89 1.2 62.2 93.4#

182 0.0 2.1 3.1#

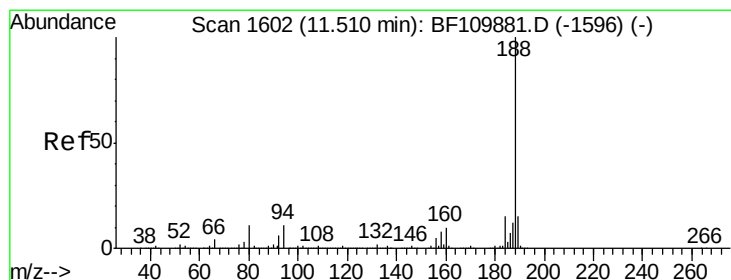
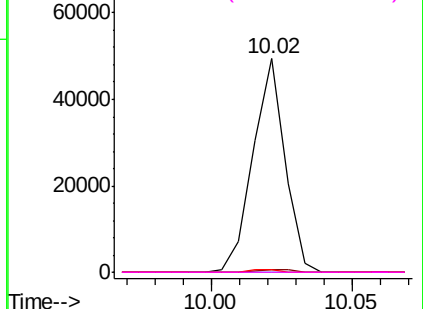


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF109909.D

Acq: 16 Oct 2018 16:59

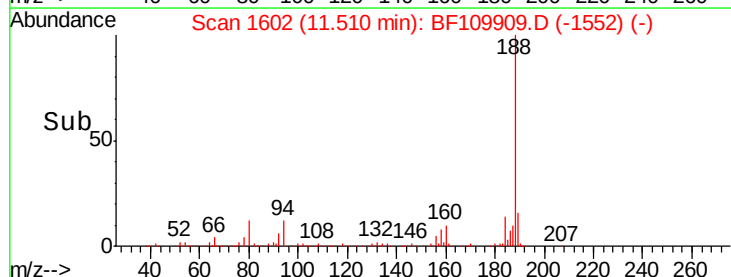
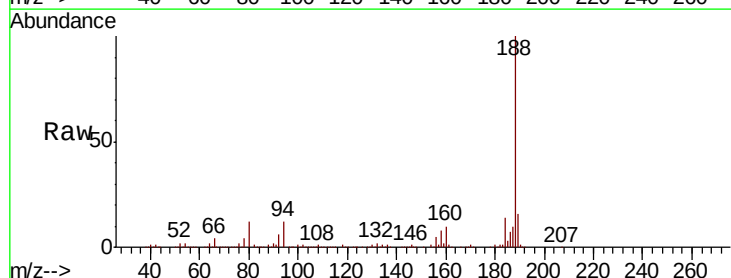
Tgt Ion:188 Resp: 472603

Ion Ratio Lower Upper

188 100

94 11.9 7.2 10.8#

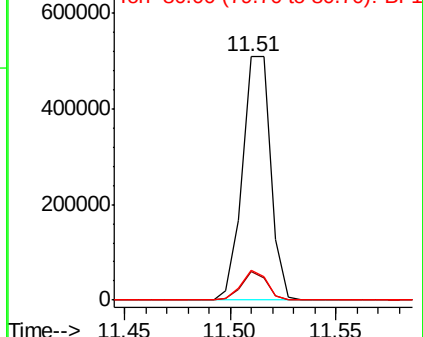
80 12.2 7.9 11.9#

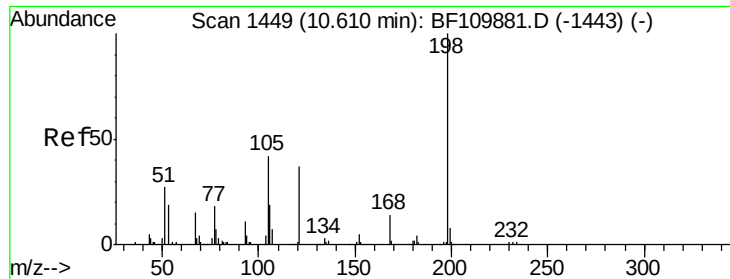


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

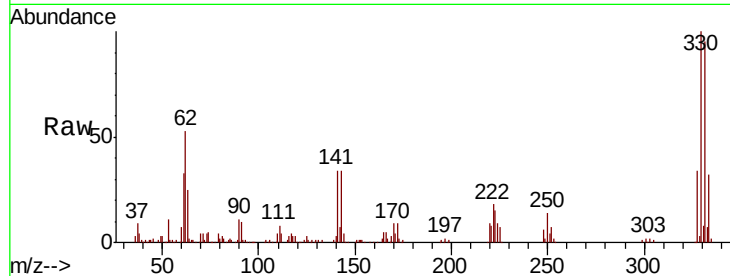




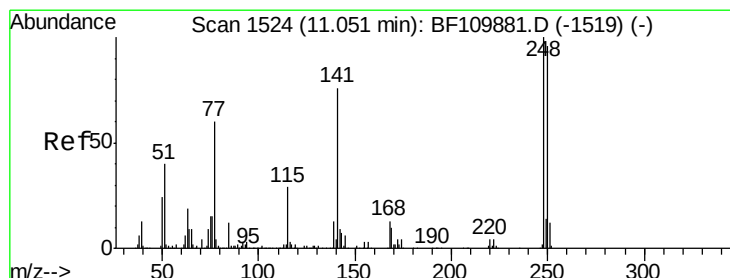
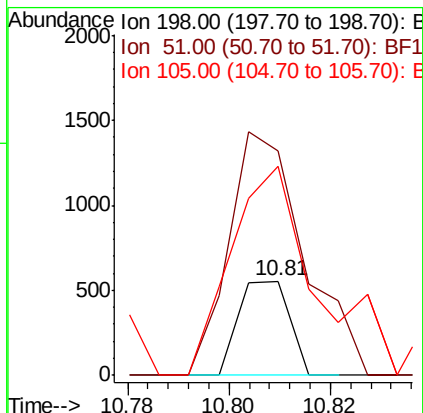
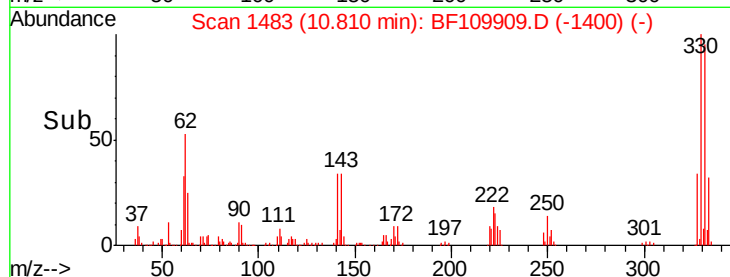
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.093 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.19 min
 Lab File: BF109909.D
 Acq: 16 Oct 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 387
 Ion Ratio Lower Upper
 198 100
 51 238.8 22.8 62.8#
 105 222.2 23.6 63.6#

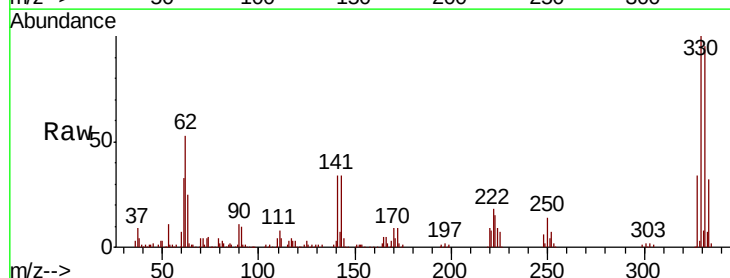


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

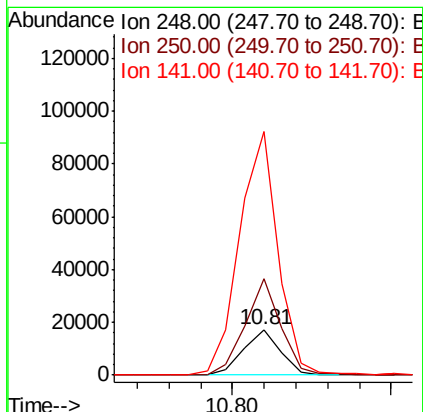
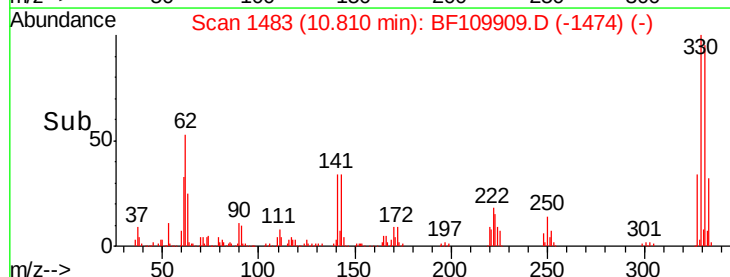


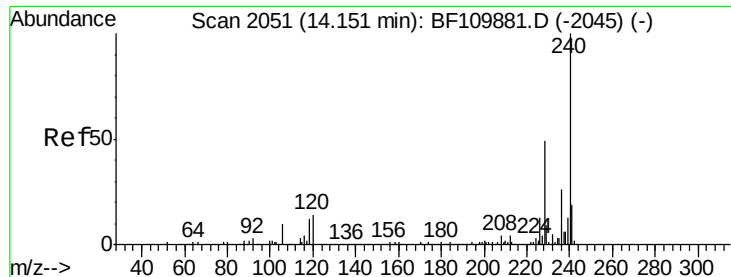
#67
 4-Bromophenyl-phenylether
 Concen: 2.702 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109909.D
 Acq: 16 Oct 2018 16:59

Tgt Ion:248 Resp: 13841
 Ion Ratio Lower Upper
 248 100
 250 211.6 79.4 119.2#
 141 532.7 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

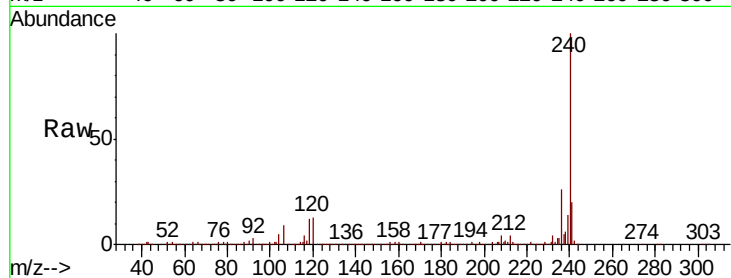




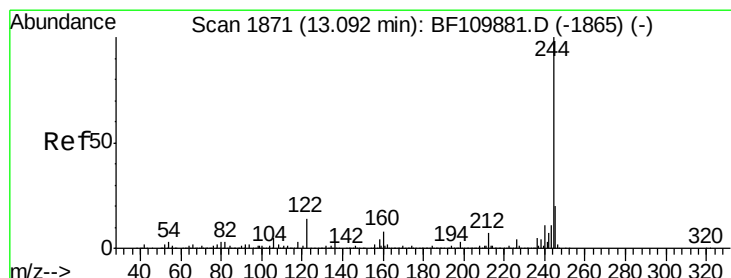
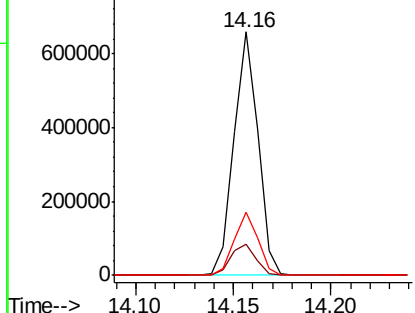
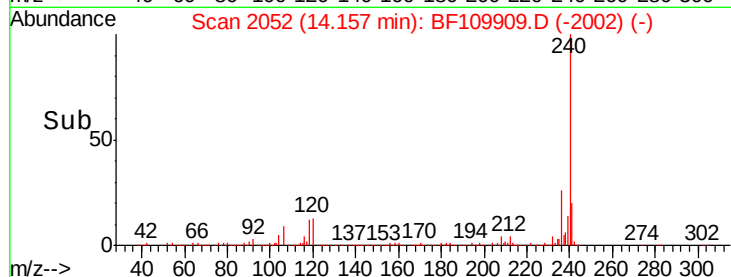
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 564991
Ion Ratio Lower Upper
240 100
120 12.9 8.3 12.5#
236 25.9 21.2 31.8

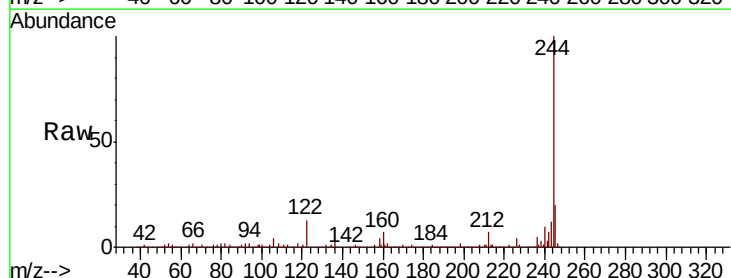


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

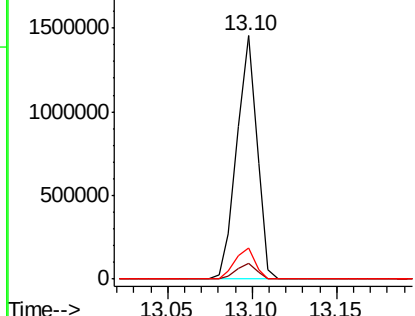
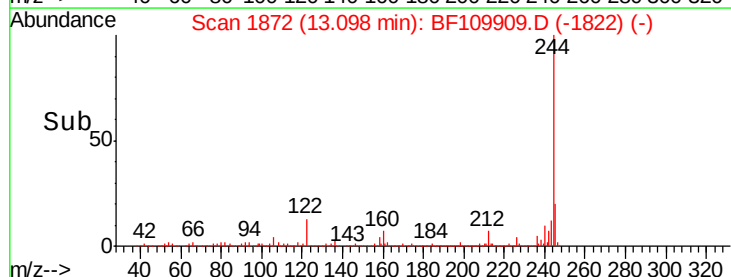


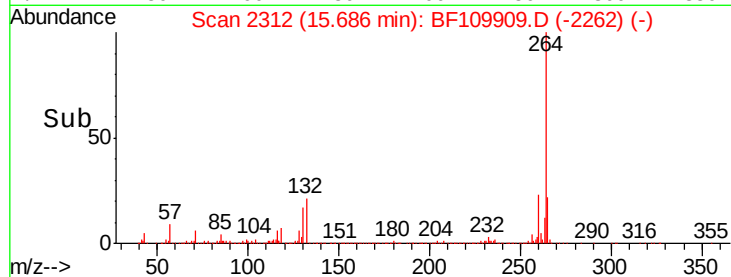
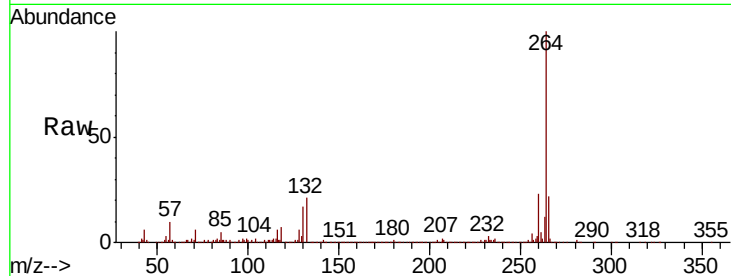
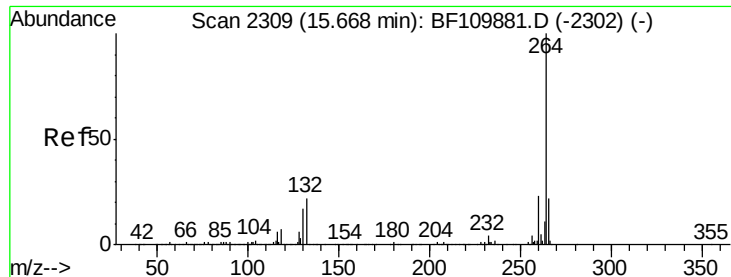
#79
Terphenyl-d14
Concen: 44.680 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Tgt Ion:244 Resp: 1202134
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 12.7 8.7 13.1



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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF109909.D
Acq: 16 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	22.0	16.7	25.1

