

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110044.D
 Acq On : 22 Oct 2018 12:55
 Operator : JU/SJ
 Sample : PB114048BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:07:46 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

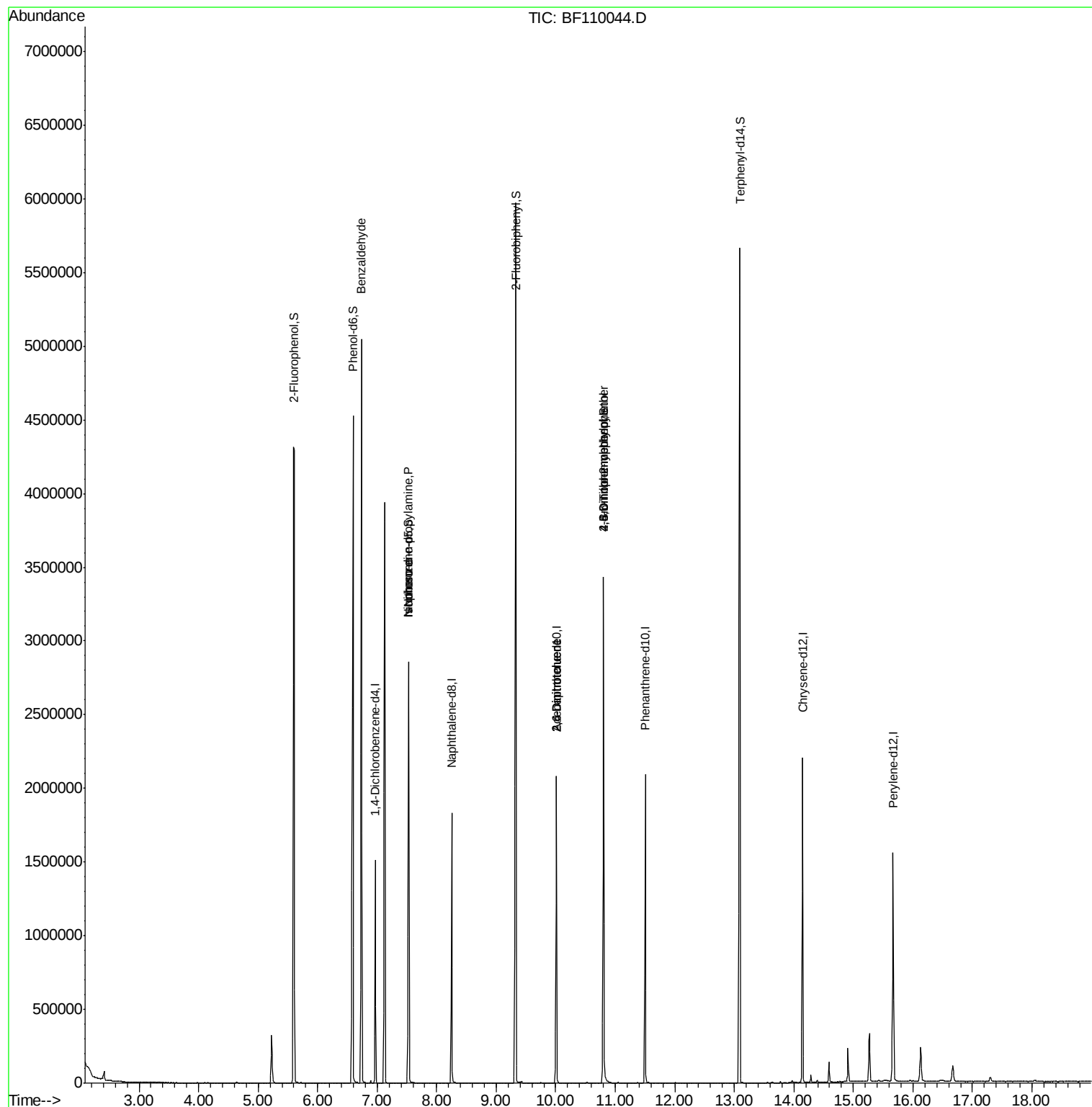
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	211593	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	841550	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	397488	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	787709	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	689808	20.00	ng	-0.02
87) Perylene-d12	15.67	264	583683	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1363493	102.15	ng	0.00
7) Phenol-d6	6.59	99	1709348	103.13	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1076598	86.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	428299	124.46	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1939272	77.85	ng	-0.01
79) Terphenyl-d14	13.09	244	2069860	63.01	ng	-0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	31243	2.901	ng	81
19) n-Nitroso-di-n-propylamine	7.53	70	144066	13.537	ng	# 81
25) Isophorone	7.53	82	1073875	43.748	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	50932	9.527	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	50932	11.405	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	969	8.188	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	27652	3.239	ng	# 1

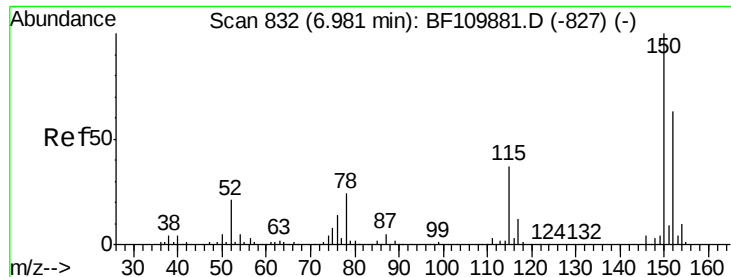
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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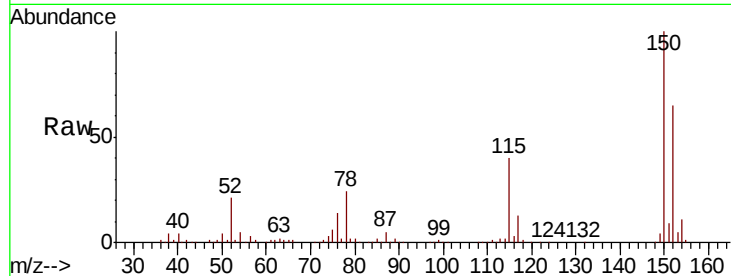


#1

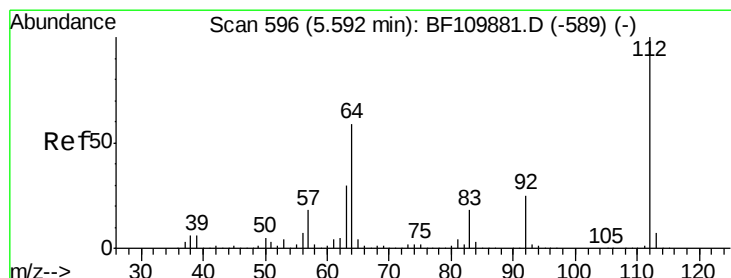
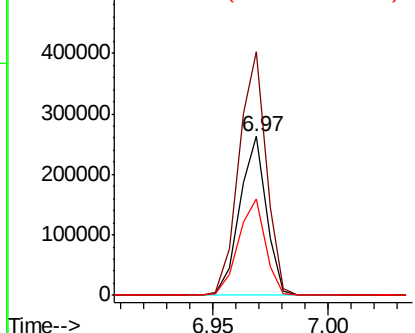
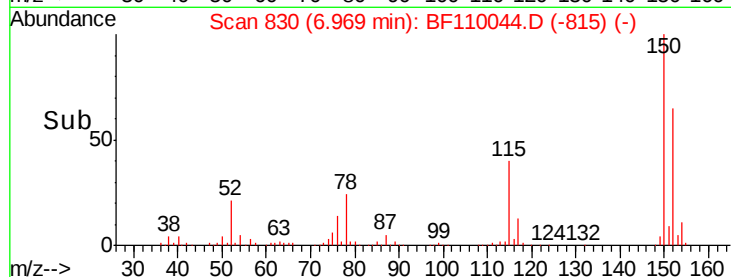
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 211593
Ion Ratio Lower Upper
152 100
150 153.2 122.7 184.1
115 60.9 49.1 73.7



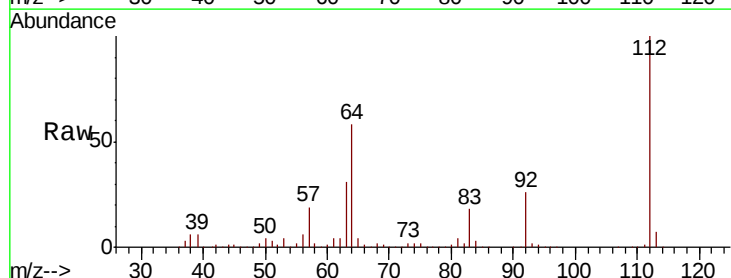
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



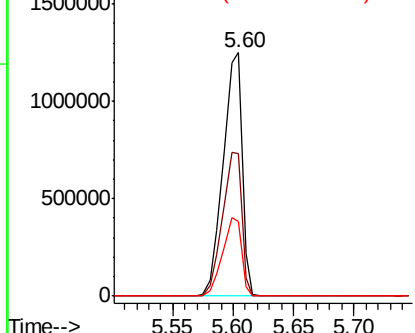
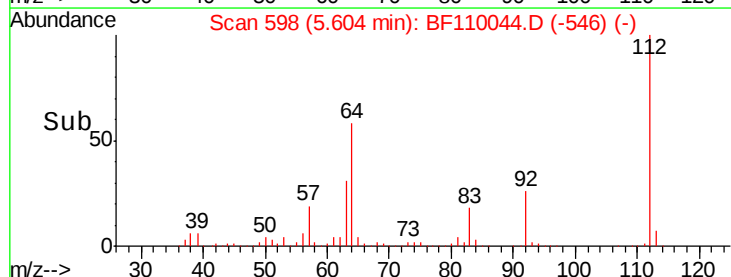
#5

2-Fluorophenol
Concen: 102.145 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Tgt Ion:112 Resp: 1363493
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 30.9 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: 103.125 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110044.D

Acq: 22 Oct 2018 12:55

Instrument :

BNA_F

ClientSampleId :

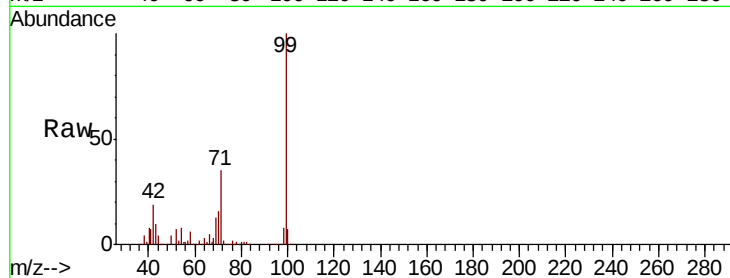
Tot Ion: 99 Resp: 1709348

Ion Ratio Lower Upper

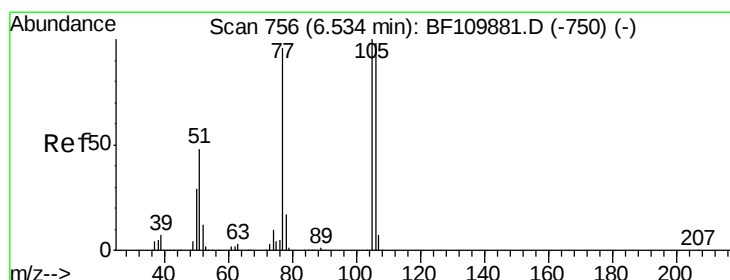
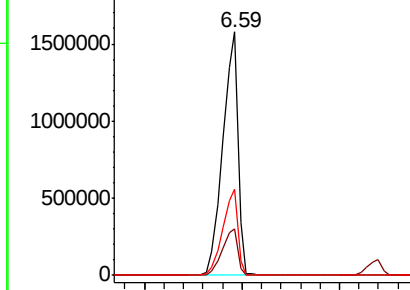
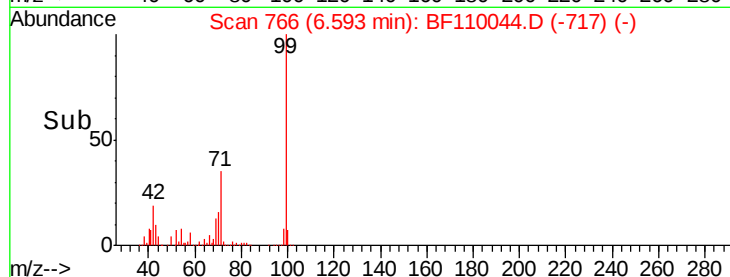
99 100

42 19.1 15.8 23.6

71 35.2 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



#9

Benzaldehyde

Concen: 2.901 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF110044.D

Acq: 22 Oct 2018 12:55

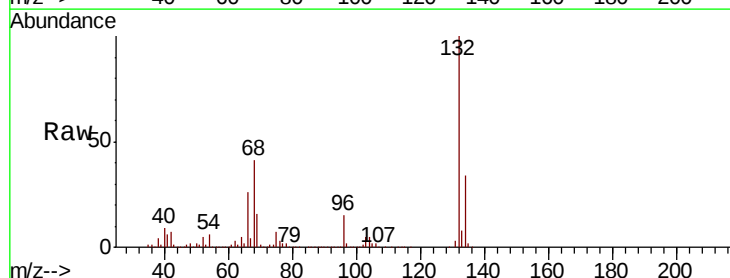
Tgt Ion: 77 Resp: 31243

Ion Ratio Lower Upper

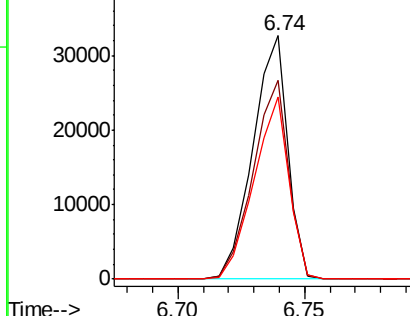
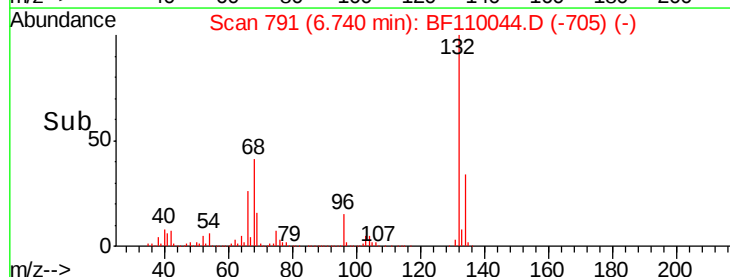
77 100

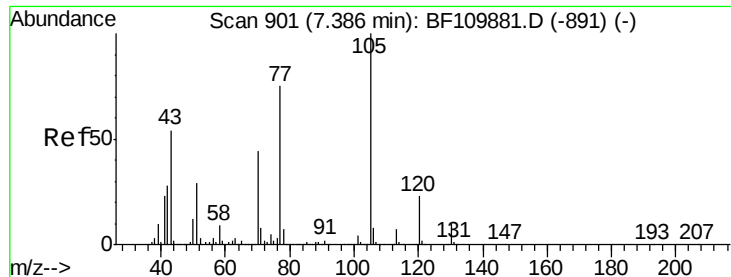
105 81.7 78.6 118.6

106 75.0 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

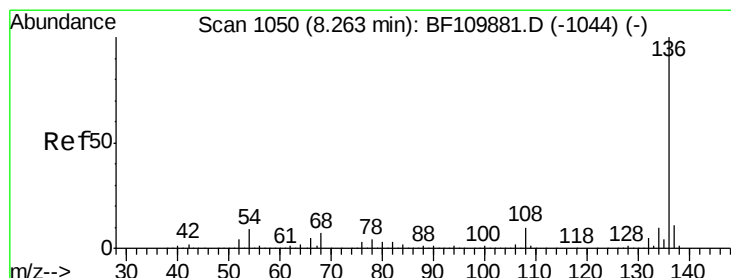
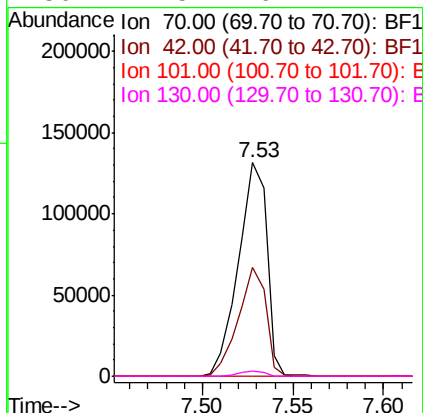
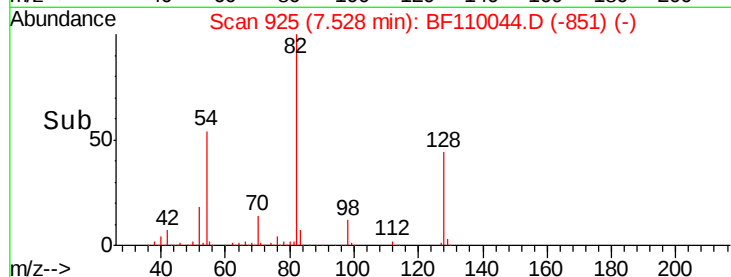
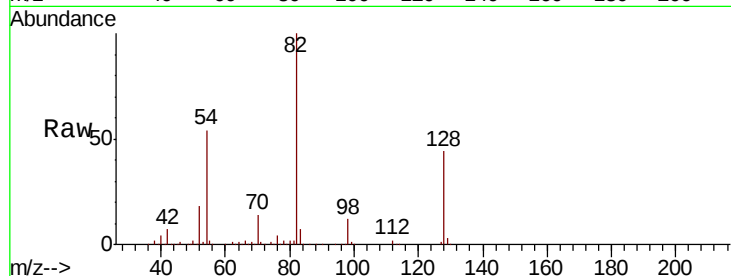




#19
n-Nitroso-di-n-propylamine
Concen: 13.537 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

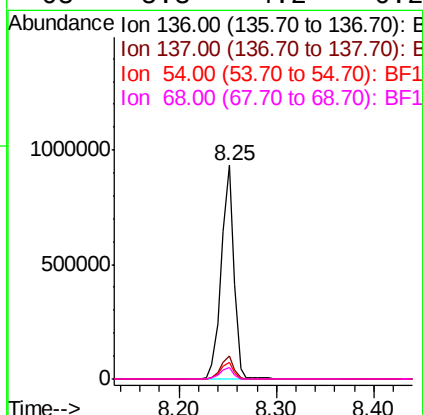
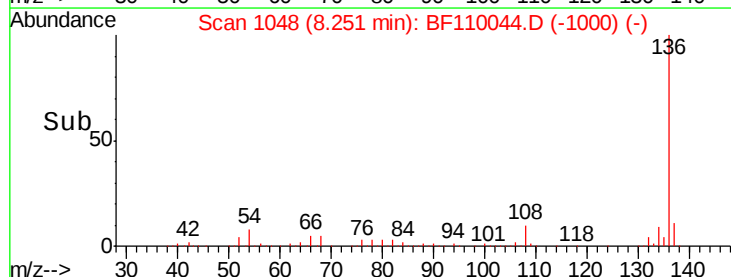
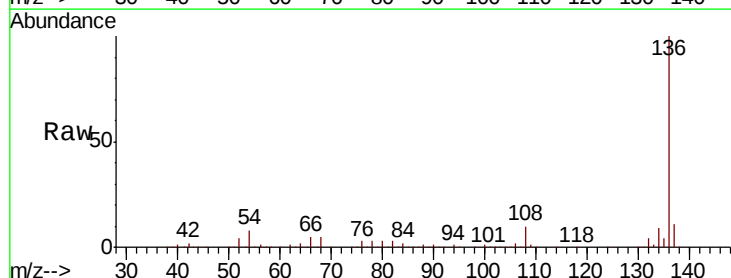
Instrument :
BNA_F
ClientSampleId :

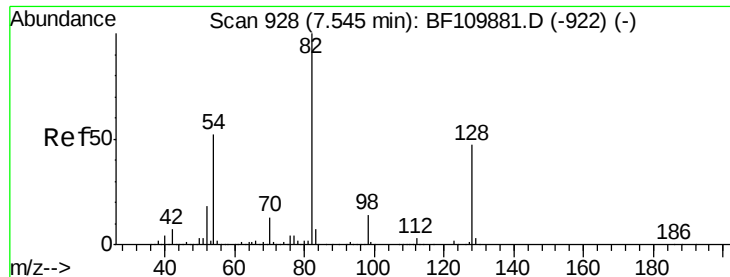
Tot Ion: 70 Resp: 144066
Ion Ratio Lower Upper
70 100
42 50.8 47.4 71.2
101 0.0 7.3 10.9#
130 2.5 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Tgt Ion:136 Resp: 841550
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 5.4 8.2
68 5.3 4.2 6.2

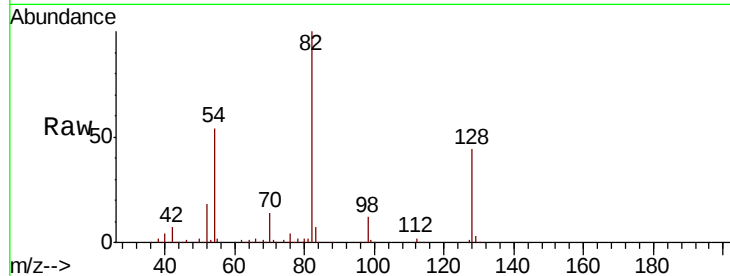




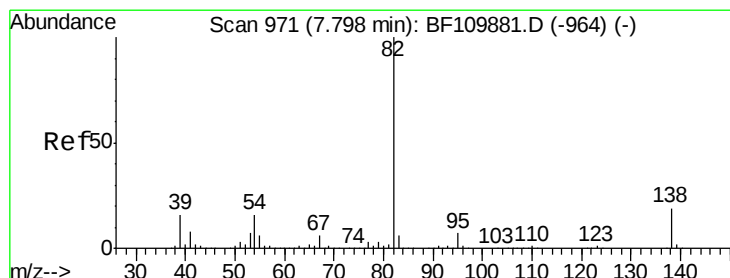
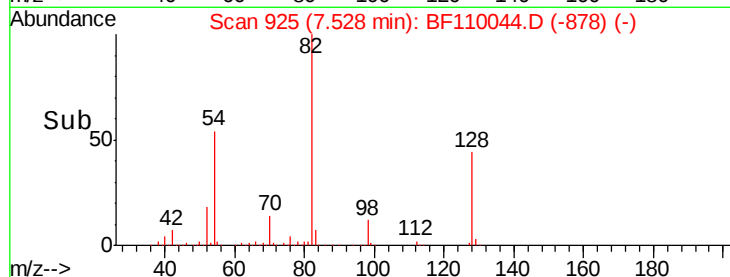
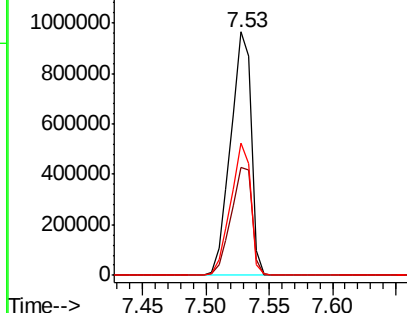
#23
Nitrobenzene-d5
Concen: 86.179 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1076598
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.2
54 54.2 38.6 58.0

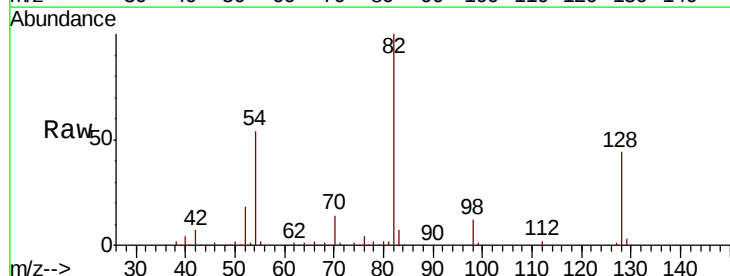


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

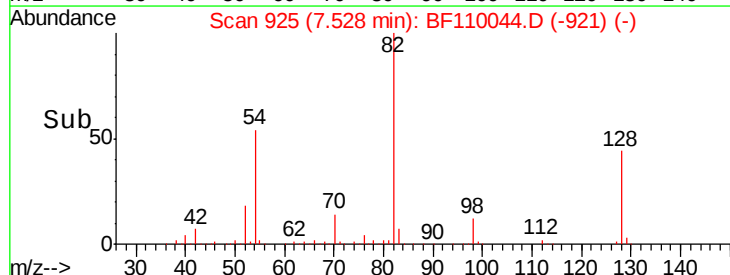
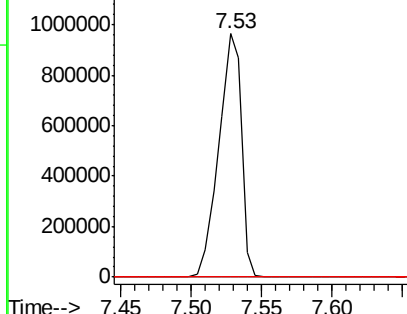


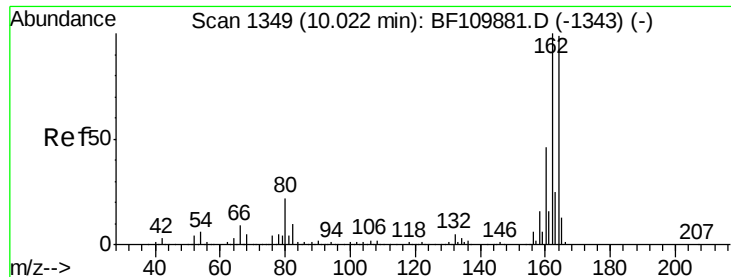
#25
Isophorone
Concen: 43.748 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Tgt Ion: 82 Resp: 1073875
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

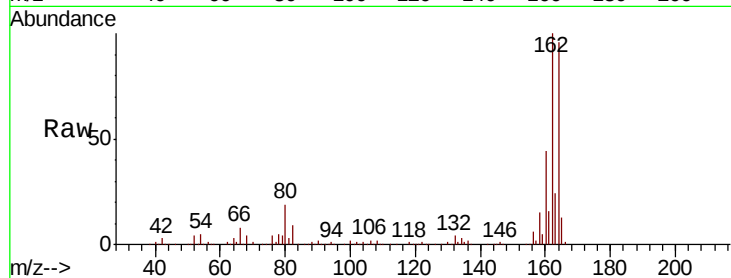




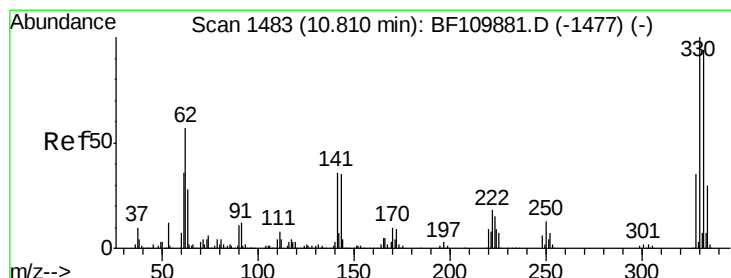
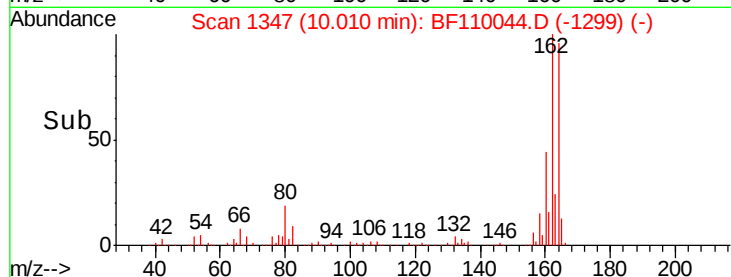
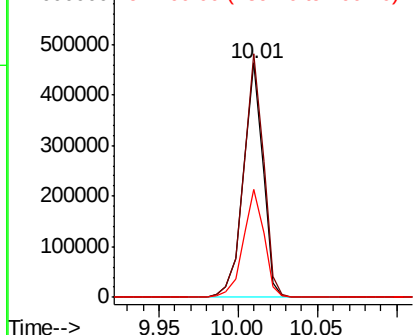
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 397488
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.6
160 46.0 37.0 55.6

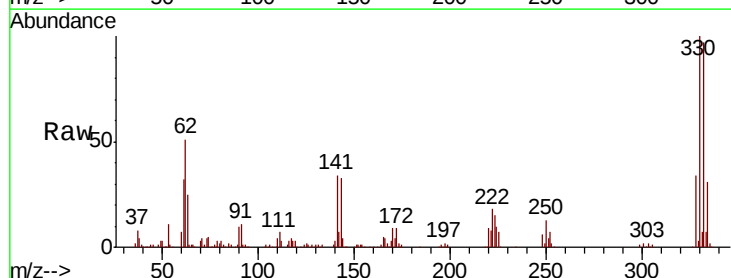


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

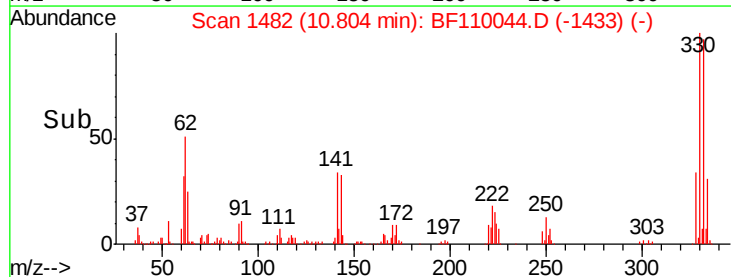
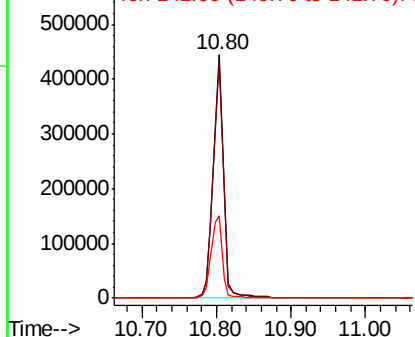


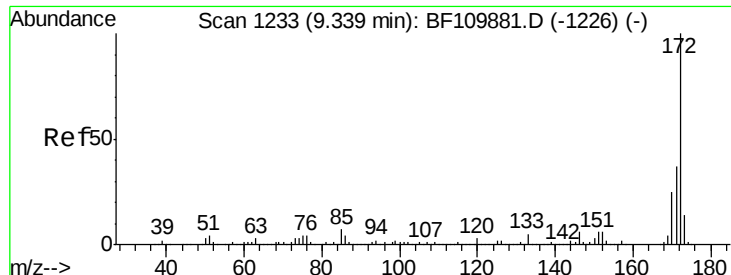
#42
2,4,6-Tribromophenol
Concen: 124.457 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Tgt Ion:330 Resp: 428299
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 36.8 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



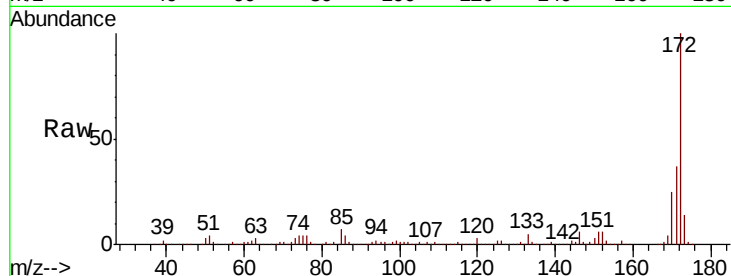


#45
 2-Fluorobiphenyl
 Concen: 77.849 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

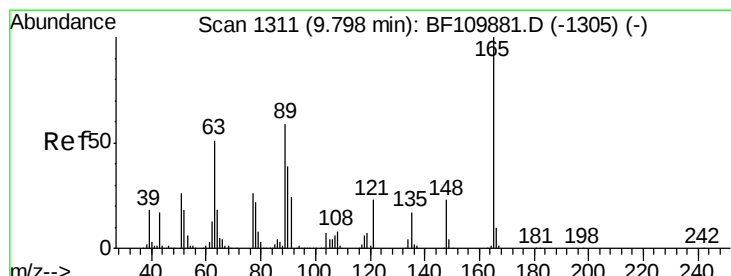
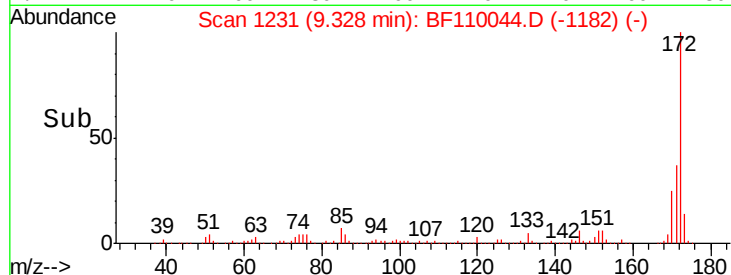
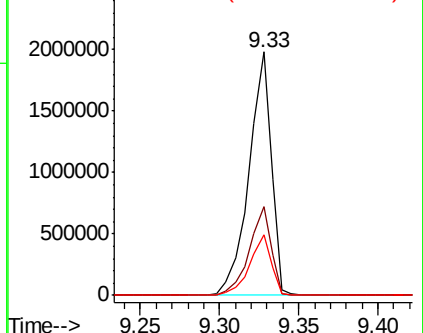
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1939272

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.6	19.7	29.5



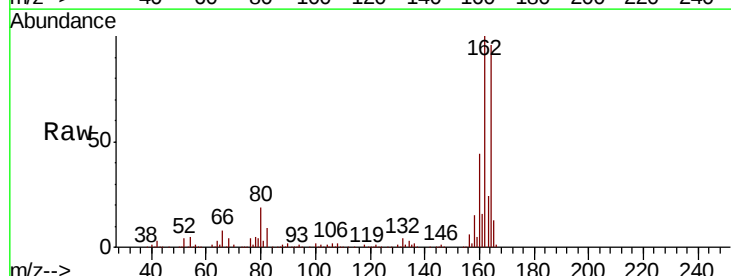
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



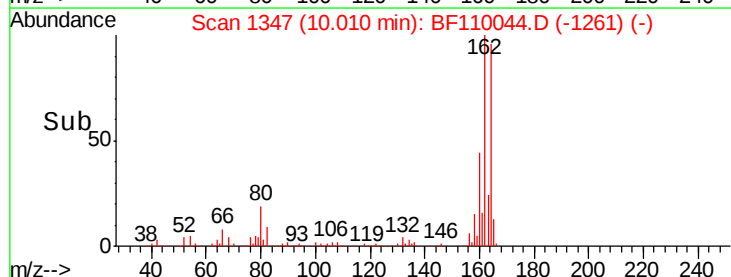
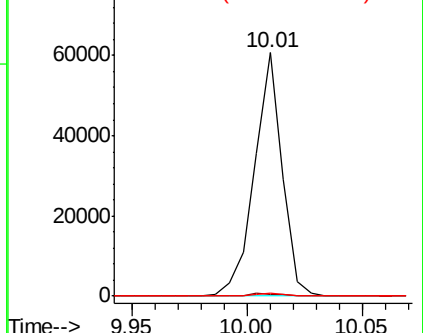
#51
 2,6-Dinitrotoluene
 Concen: 9.527 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

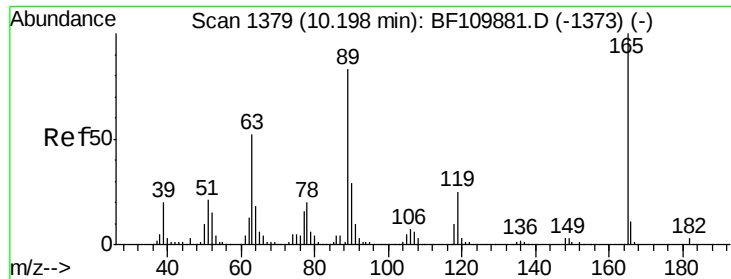
Tgt Ion:165 Resp: 50932

Ion	Ratio	Lower	Upper
165	100		
63	0.9	48.9	73.3#
89	1.4	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

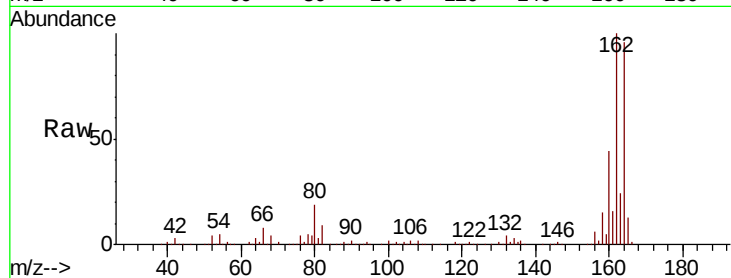




#57
 2,4-Dinitrotoluene
 Concen: 11.405 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#

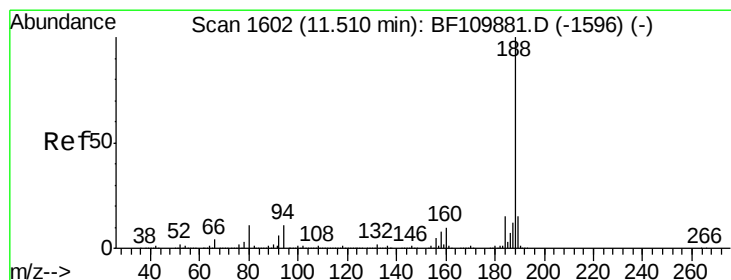
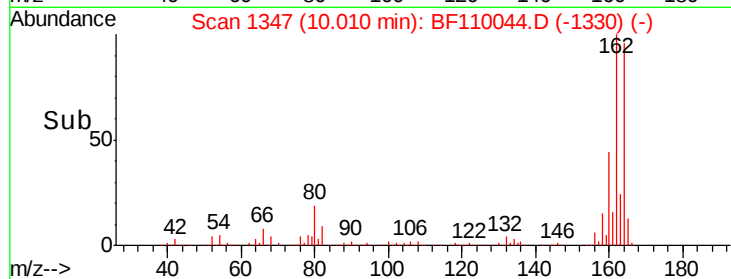
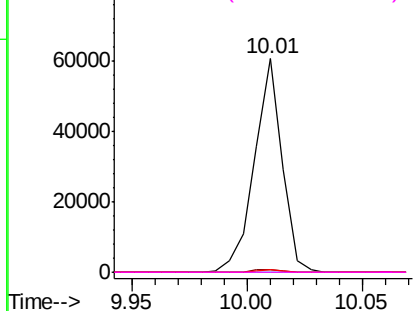


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

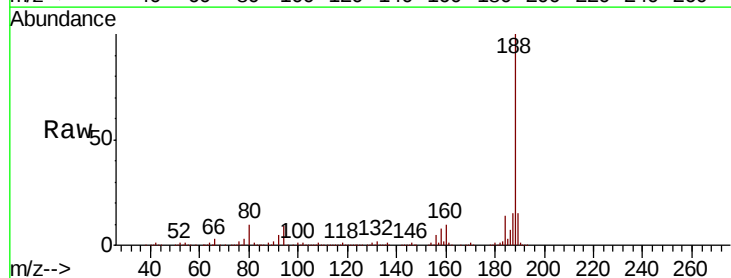
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

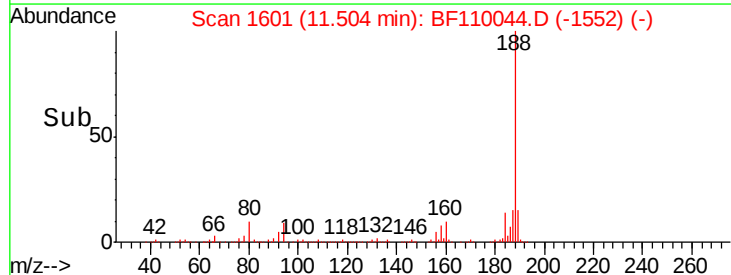
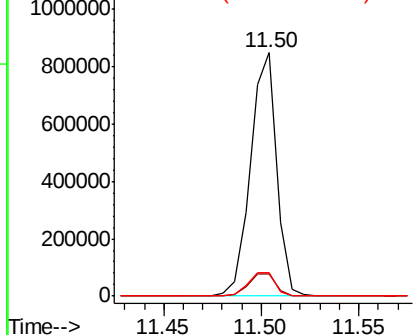
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.7	7.9	11.9

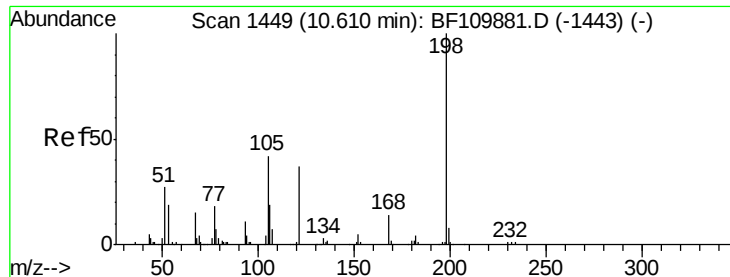


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

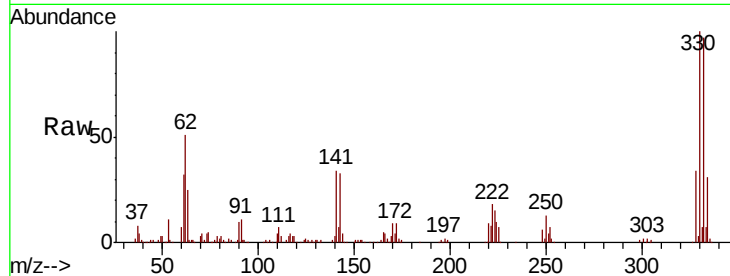




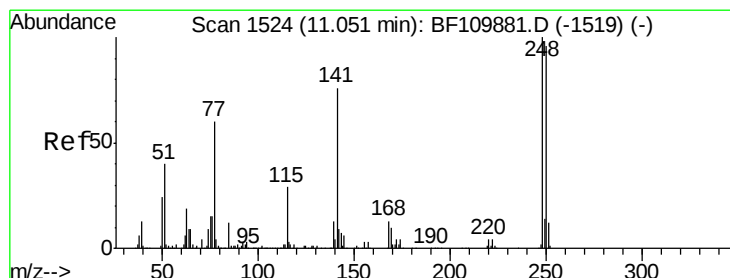
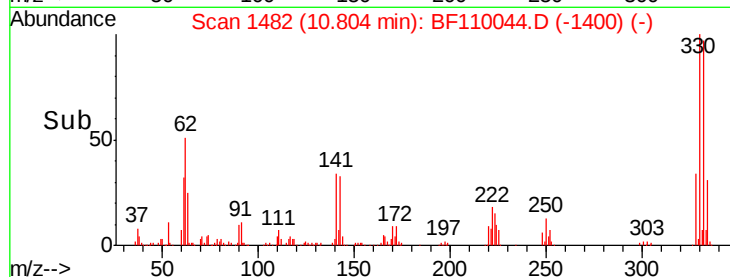
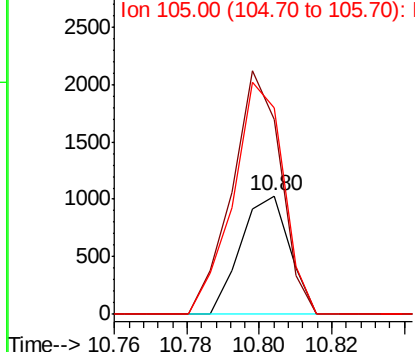
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.188 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.18 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 969
 Ion Ratio Lower Upper
 198 100
 51 164.0 22.8 62.8#
 105 174.3 23.6 63.6#

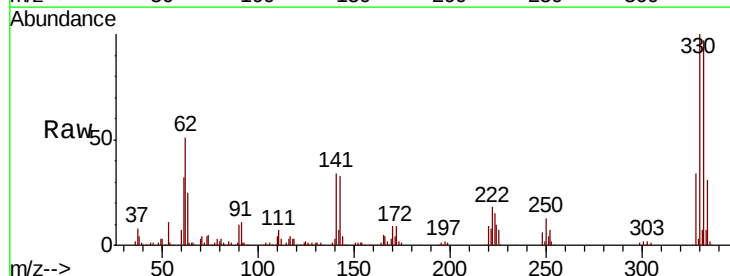


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

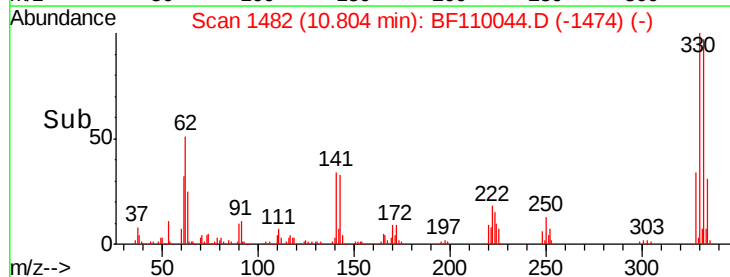
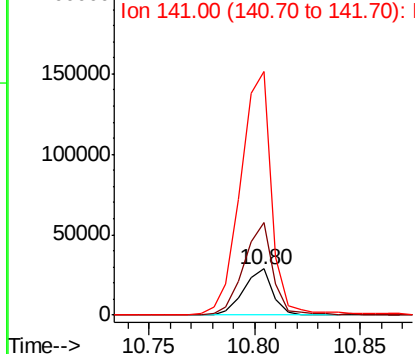


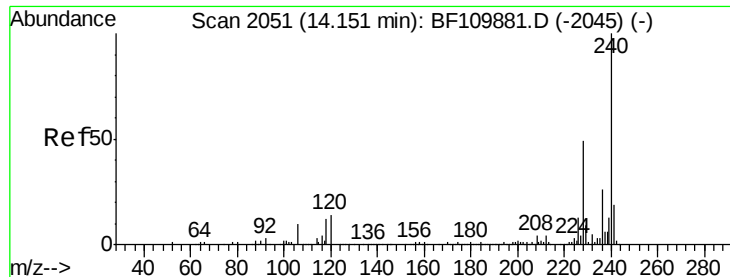
#67
 4-Bromophenyl-phenylether
 Concen: 3.239 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110044.D
 Acq: 22 Oct 2018 12:55

Tgt Ion:248 Resp: 27652
 Ion Ratio Lower Upper
 248 100
 250 199.2 79.4 119.2#
 141 525.2 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. -0.02 min

Lab File: BF110044.D

Acq: 22 Oct 2018 12:55

Instrument :

BNA_F

ClientSampleId :

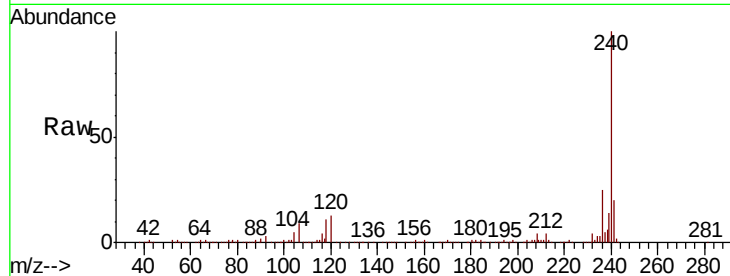
Tot Ion:240 Resp: 689808

Ion Ratio Lower Upper

240 100

120 12.8 8.3 12.5#

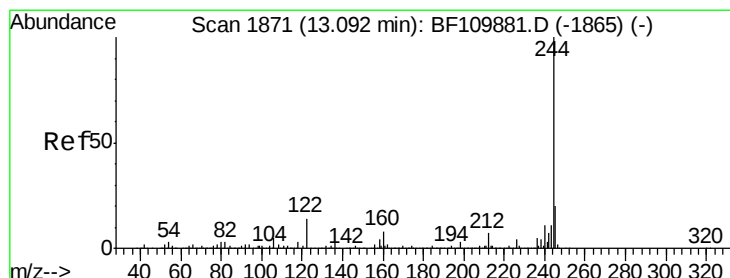
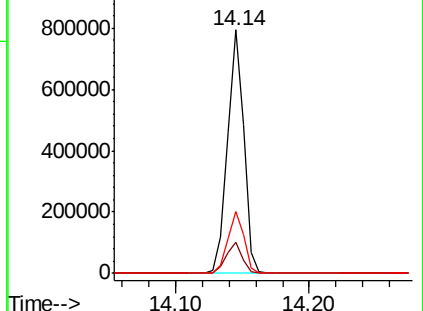
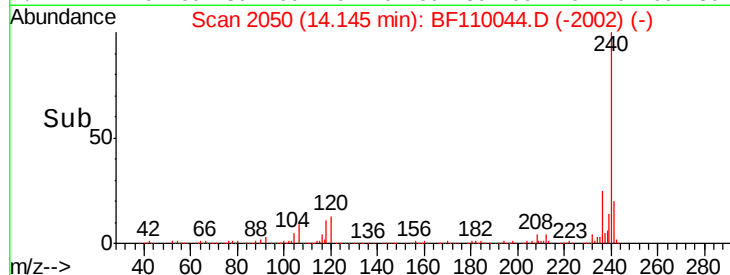
236 25.2 21.2 31.8



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: 63.011 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110044.D

Acq: 22 Oct 2018 12:55

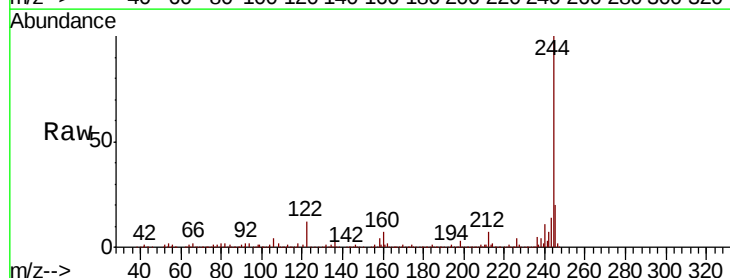
Tgt Ion:244 Resp: 2069860

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

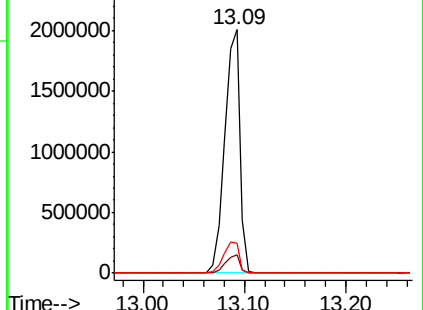
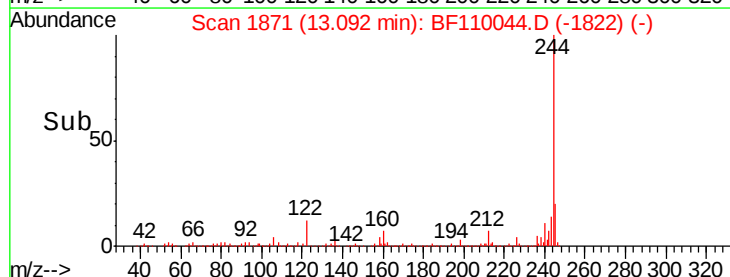
122 12.0 8.7 13.1

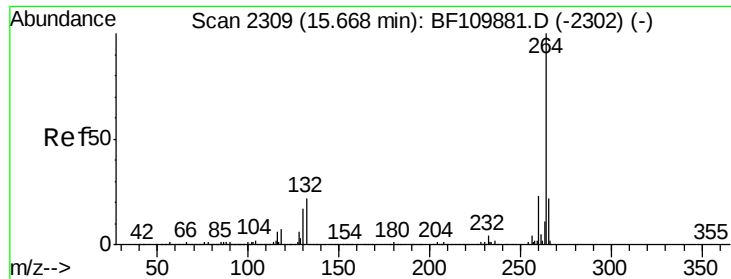


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110044.D
Acq: 22 Oct 2018 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.2	16.7	25.1

