

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110006.D
 Acq On : 19 Oct 2018 16:54
 Operator : JU/SJ
 Sample : J5538-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:07:47 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	226041	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	891895	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	421126	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	759689	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	541602	20.00	ng	-0.02
87) Perylene-d12	15.67	264	374815	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	686358	48.13	ng	-0.01
7) Phenol-d6	6.58	99	555078	31.35	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1076813	81.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	408686	112.09	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1905724	72.21	ng	-0.01
79) Terphenyl-d14	13.09	244	1767091	68.51	ng	-0.01

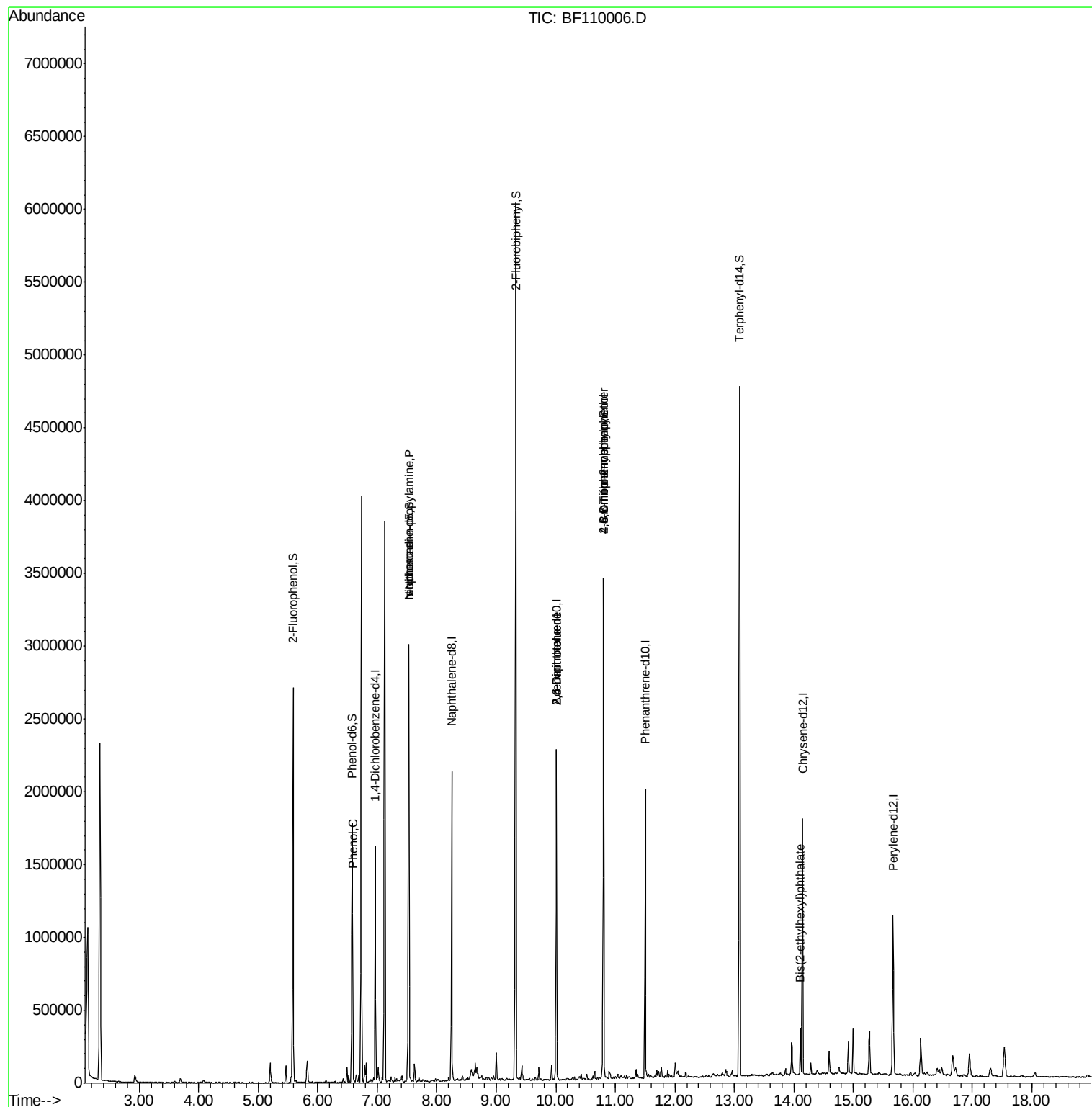
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	55328	2.894	ng	# 63
19) n-Nitroso-di-n-propylamine	7.53	70	145827	12.826	ng	# 78
25) Isophorone	7.53	82	1072684	41.233	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	52963	9.351	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	52963	11.279	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	1000	8.208	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	26315	3.196	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.11	149	83425	3.942	ng	97

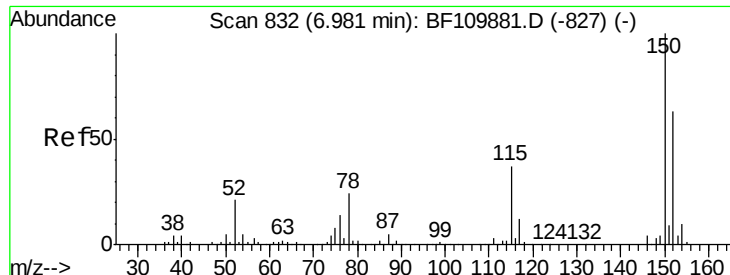
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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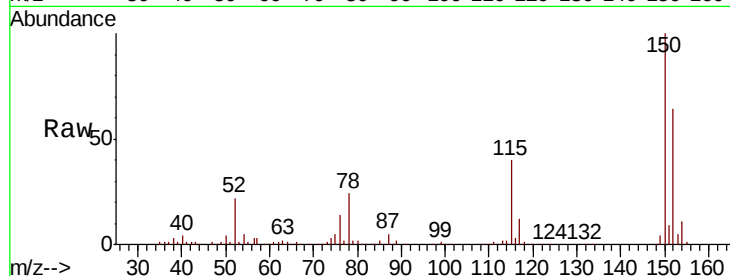


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.7	184.1
115	61.8	49.1	73.7

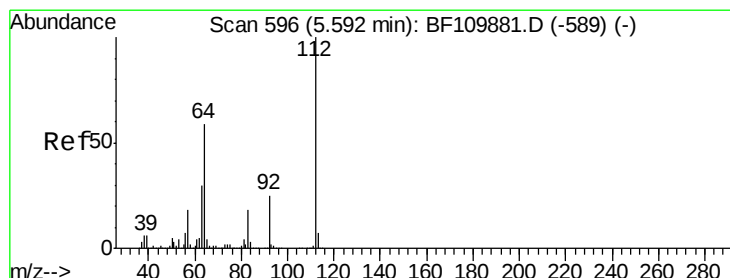
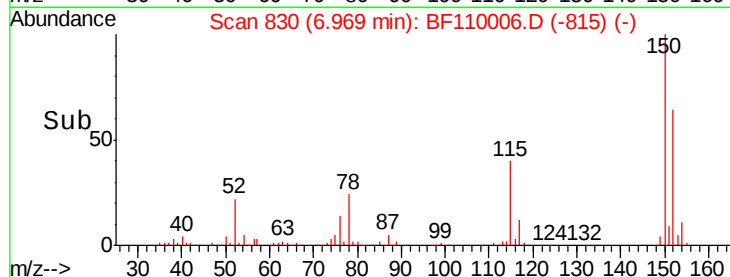
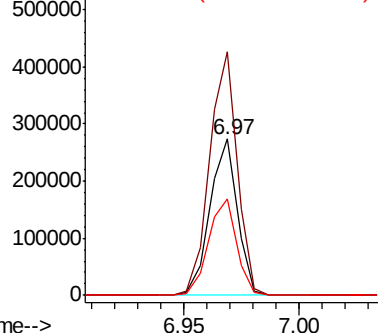


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

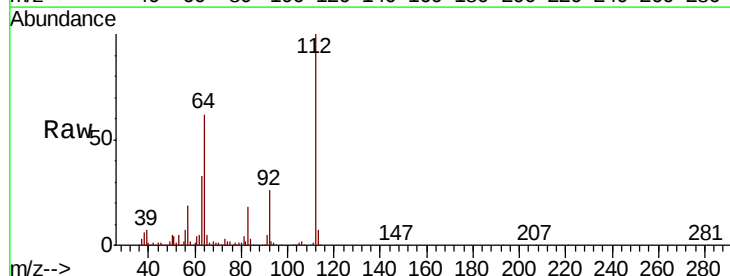
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.132 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	44.1	66.1
63	32.5	23.7	35.5

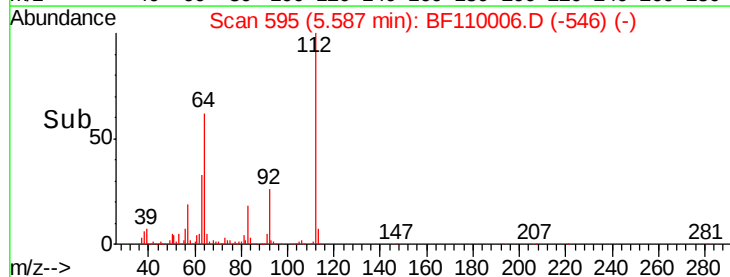
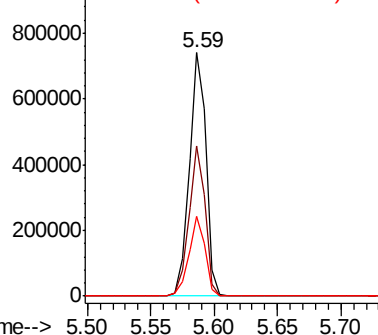


Abundance

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: 31.348 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

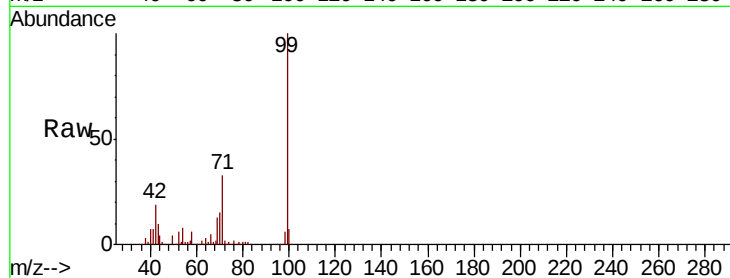
Tot Ion: 99 Resp: 555078

Ion Ratio Lower Upper

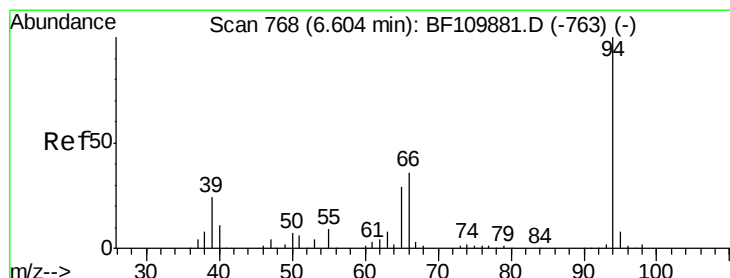
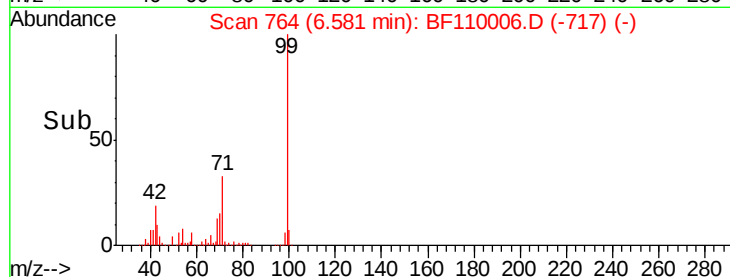
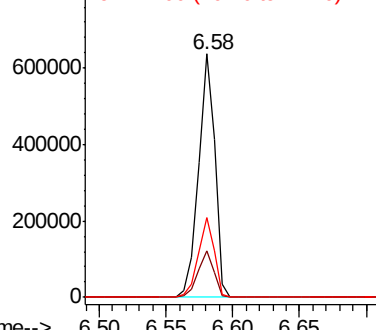
99 100

42 19.0 15.8 23.6

71 33.0 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



#10

Phenol

Concen: 2.894 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

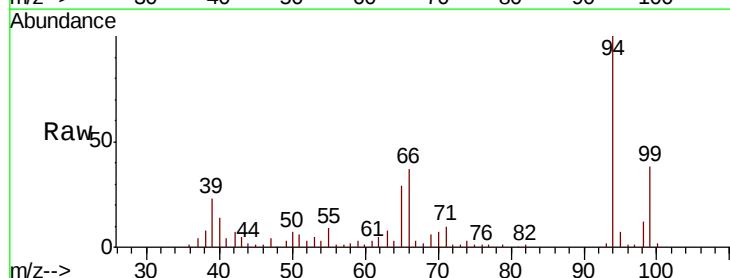
Tgt Ion: 94 Resp: 55328

Ion Ratio Lower Upper

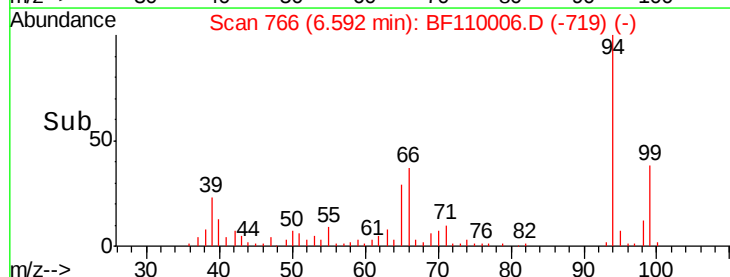
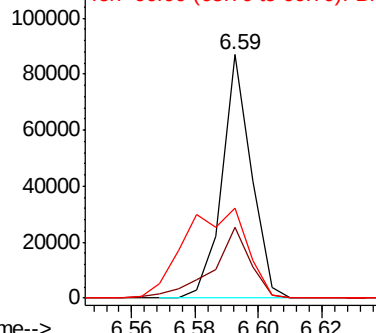
94 100

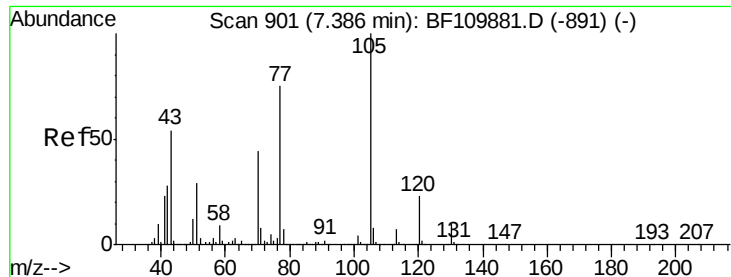
65 29.2 25.3 65.3

66 37.1 54.5 94.5#



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: 12.826 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 145827

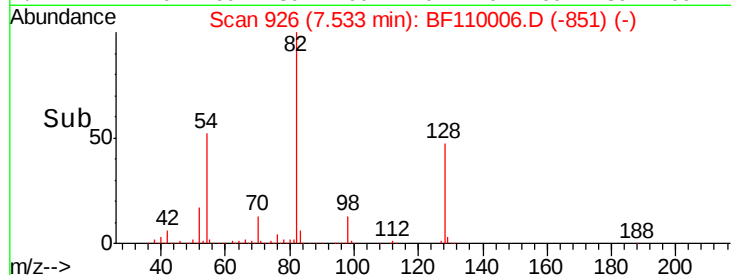
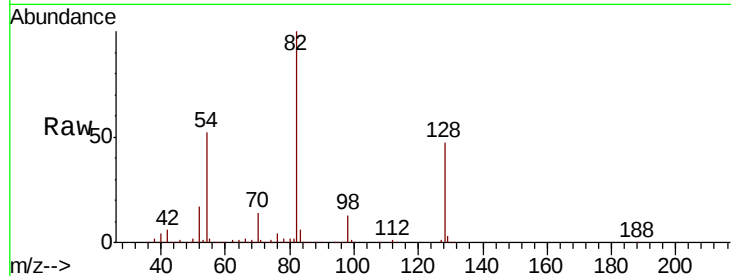
Ion Ratio Lower Upper

70 100

42 47.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#

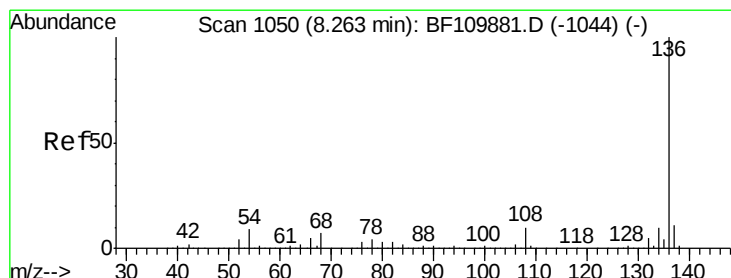
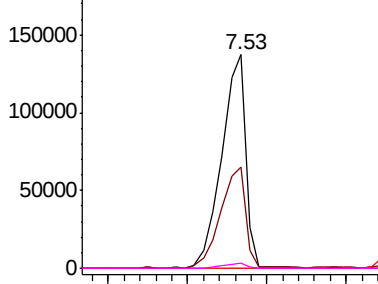


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

Tgt Ion:136 Resp: 891895

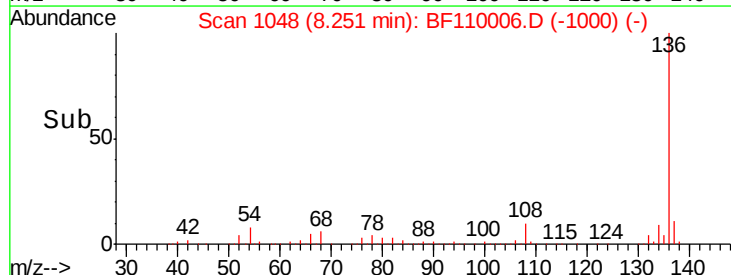
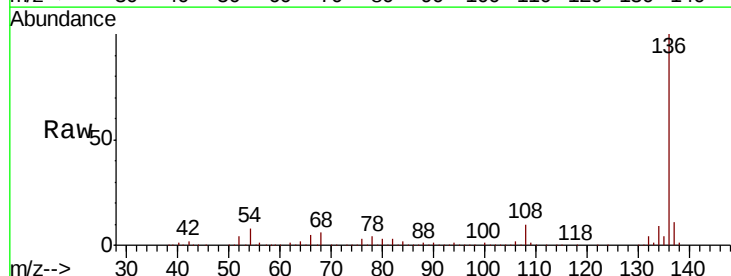
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.4 5.4 8.2#

68 5.9 4.2 6.2

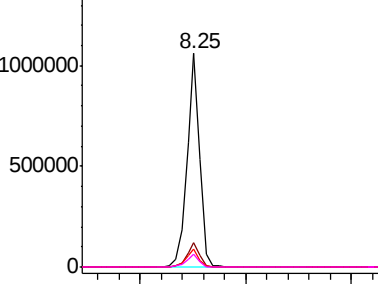


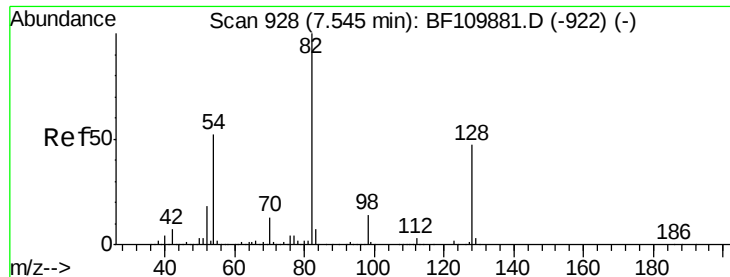
Abundance Ion 136.00 (135.70 to 136.70): E

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



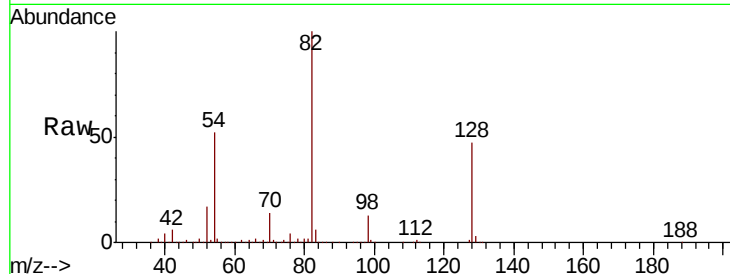


#23
 Nitrobenzene-d5
 Concen: 81.331 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

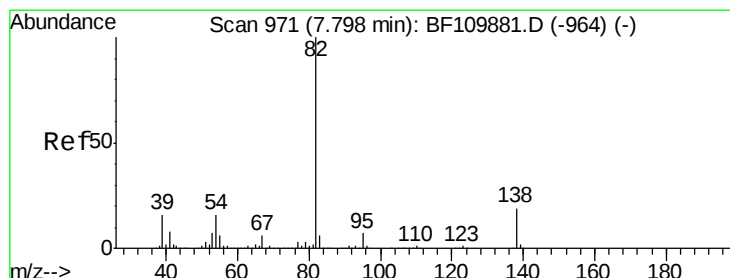
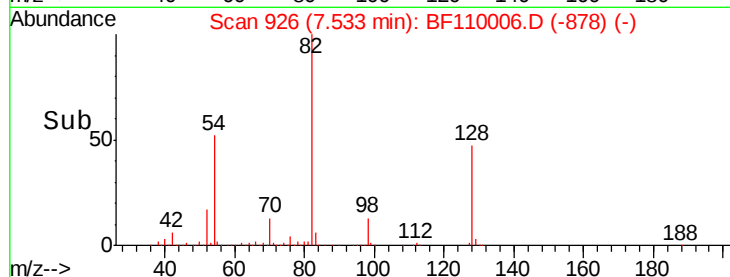
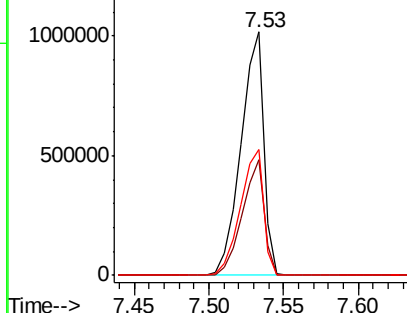
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1076813

Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.2	51.2
54	51.8	38.6	58.0



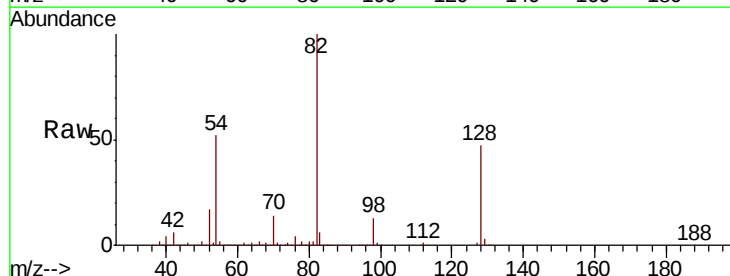
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



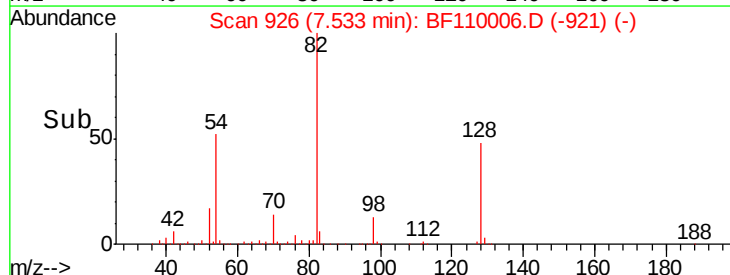
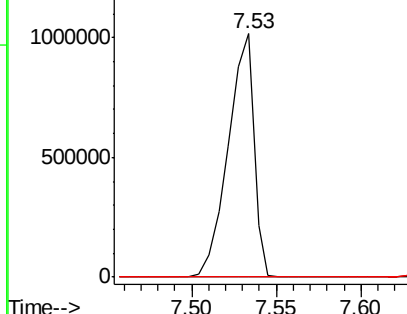
#25
 Isophorone
 Concen: 41.233 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.27 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

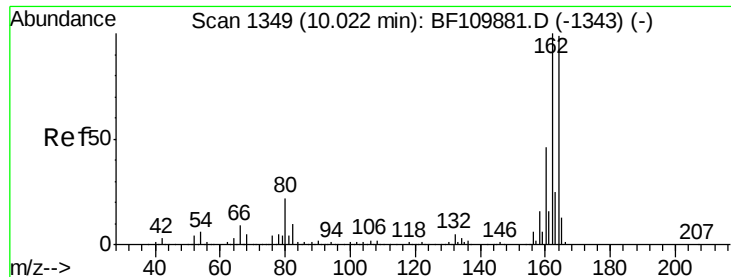
Tgt Ion: 82 Resp: 1072684

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

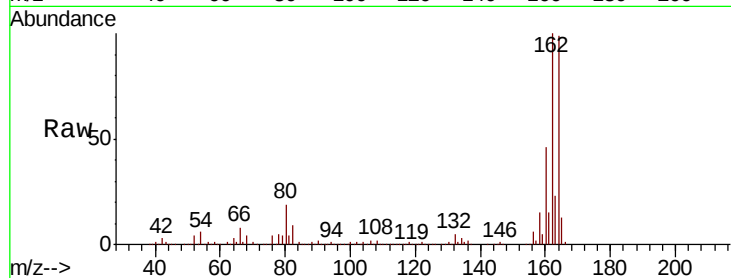




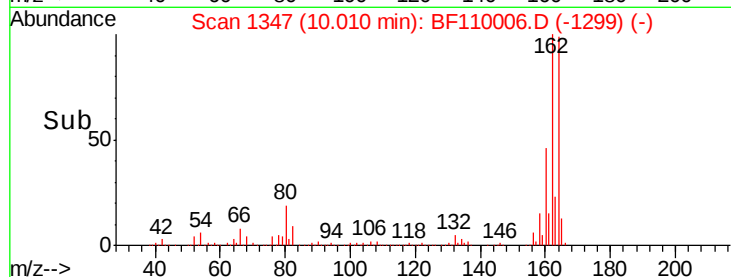
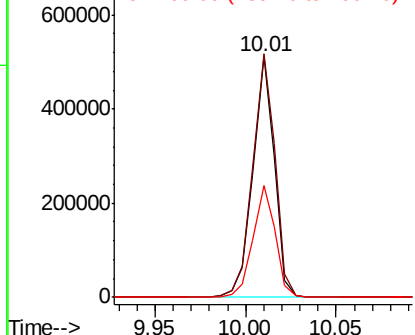
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 421126
 Ion Ratio Lower Upper
 164 100
 162 101.1 83.0 124.6
 160 46.3 37.0 55.6

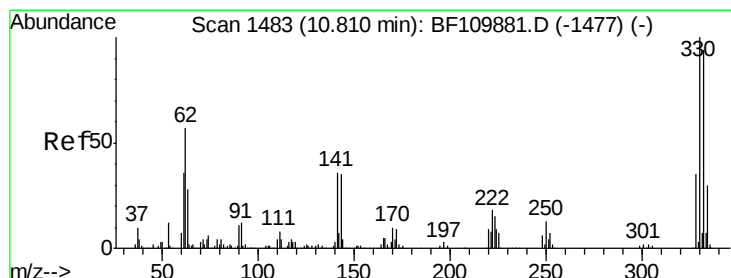


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

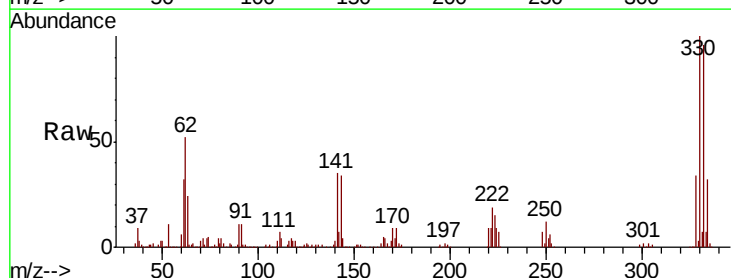
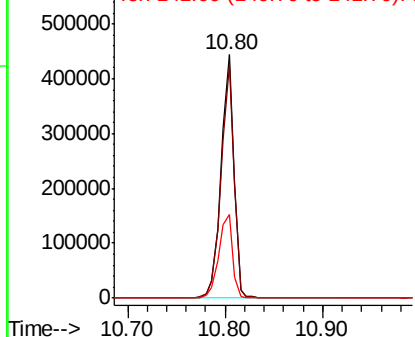


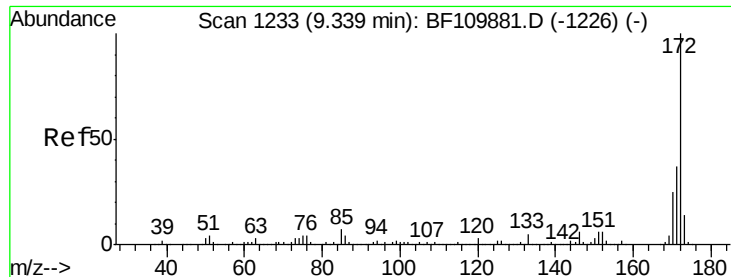
#42
 2,4,6-Tribromophenol
 Concen: 112.092 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

Tgt Ion:330 Resp: 408686
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 37.0 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

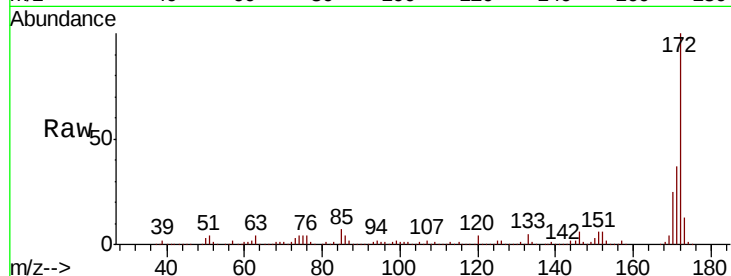




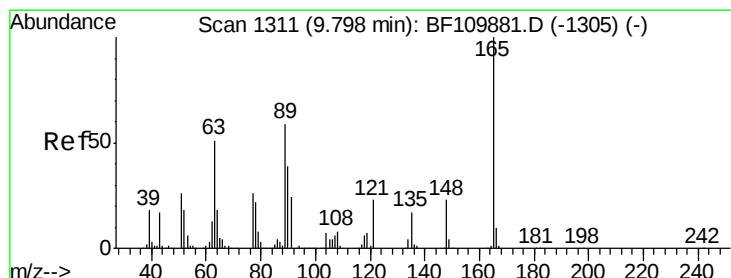
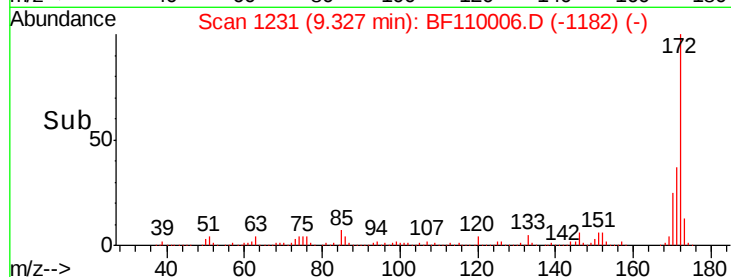
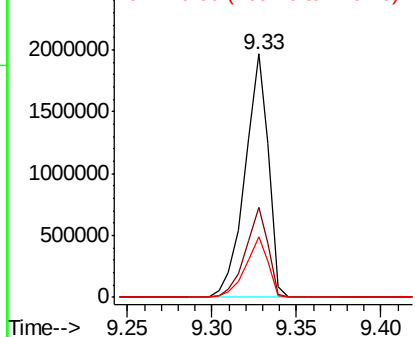
#45
2-Fluorobiphenyl
Concen: 72.208 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1905724
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 24.8 19.7 29.5

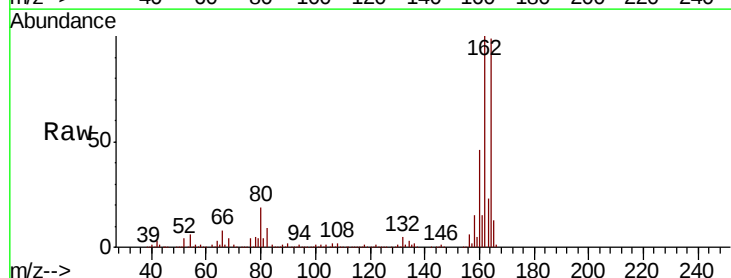


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

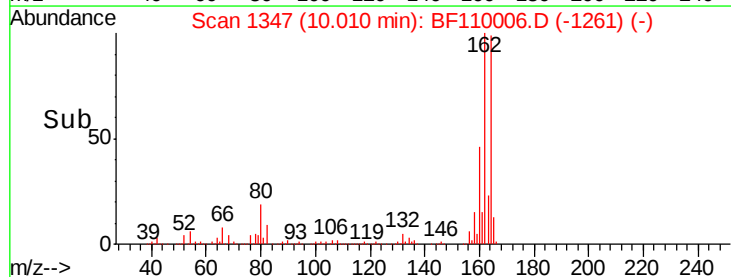
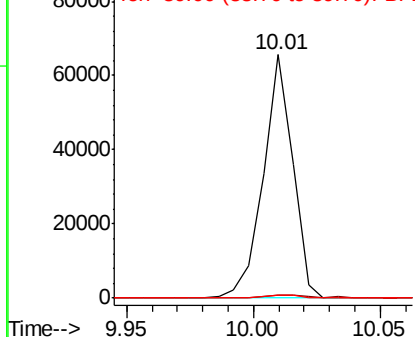


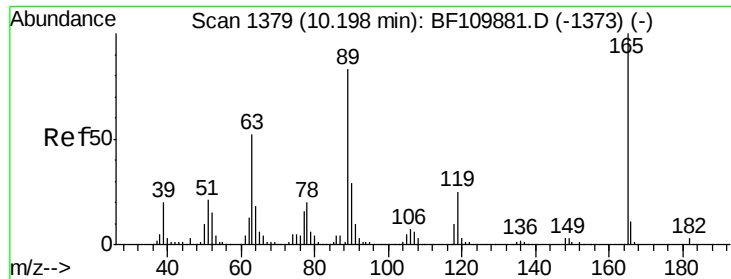
#51
2,6-Dinitrotoluene
Concen: 9.351 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

Tgt Ion:165 Resp: 52963
Ion Ratio Lower Upper
165 100
63 1.4 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

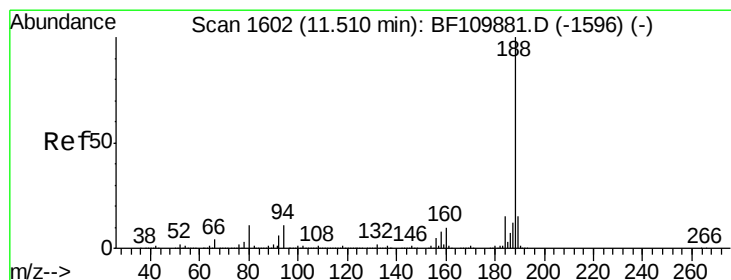
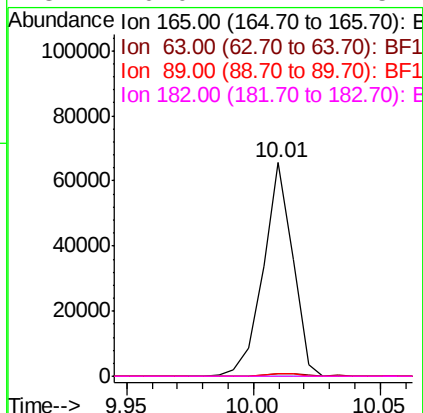
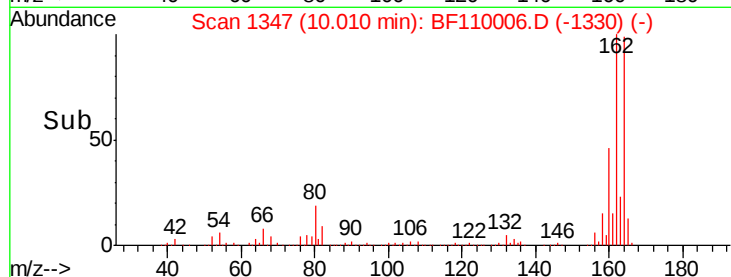
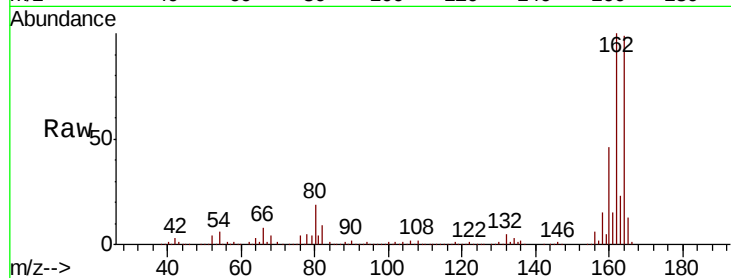




#57
2,4-Dinitrotoluene
Concen: 11.279 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

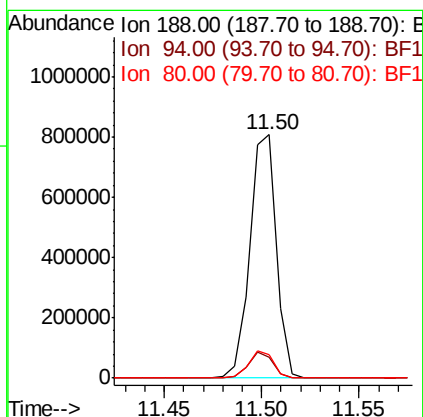
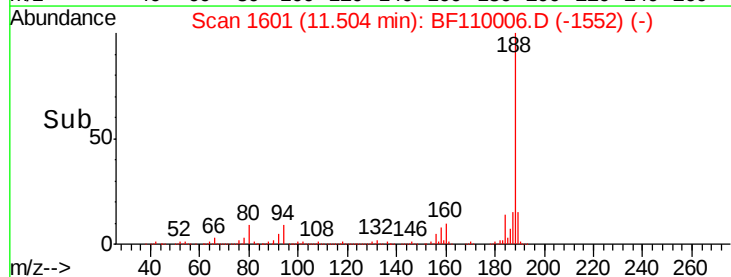
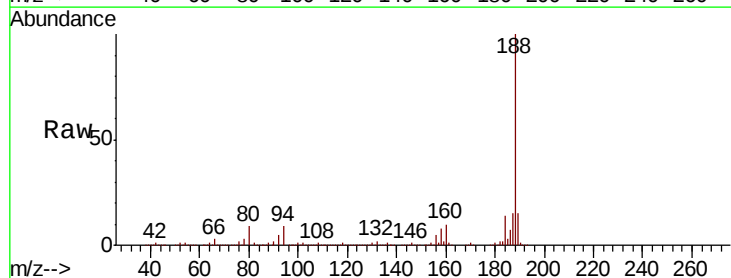
Instrument :
BNA_F
ClientSampleId :

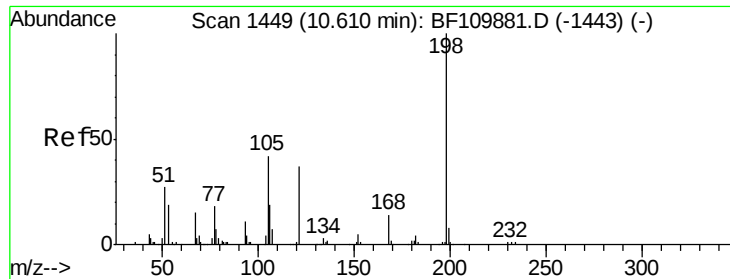
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110006.D
Acq: 19 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.5	7.9	11.9

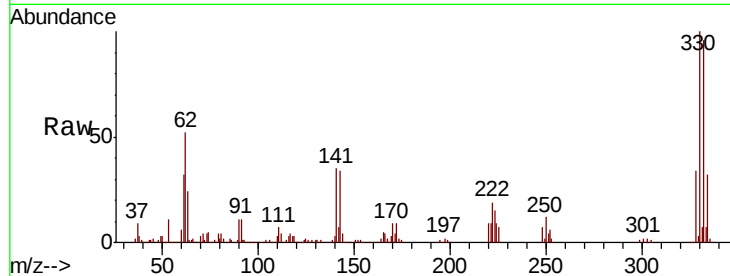




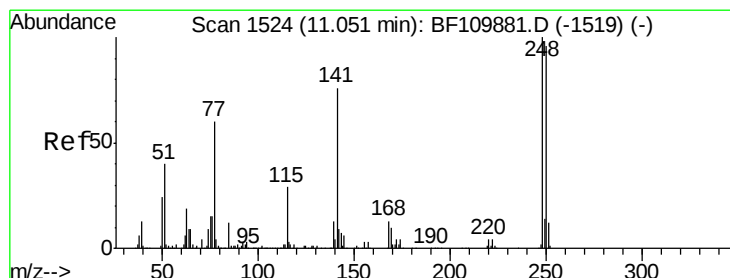
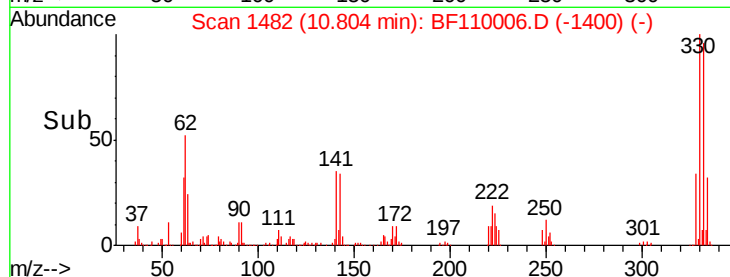
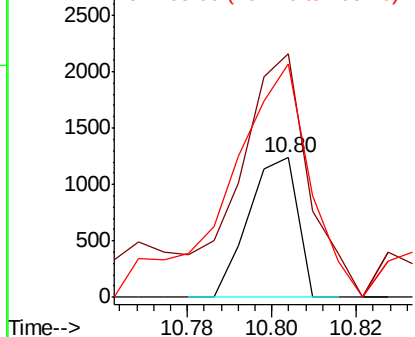
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.208 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.18 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	174.5	22.8	62.8#
105	166.8	23.6	63.6#

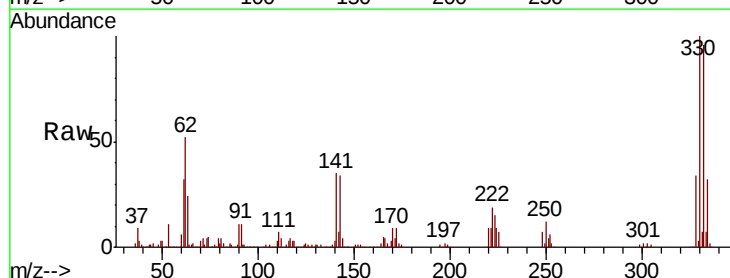


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

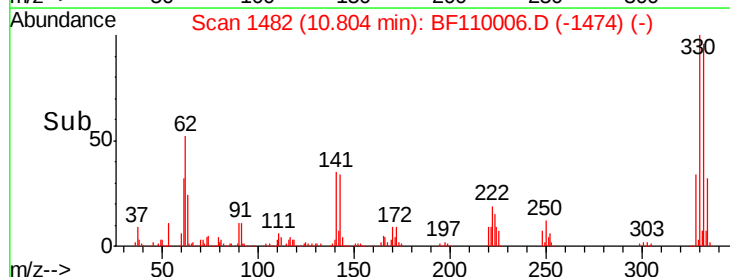
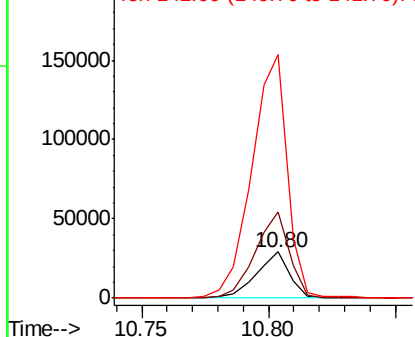


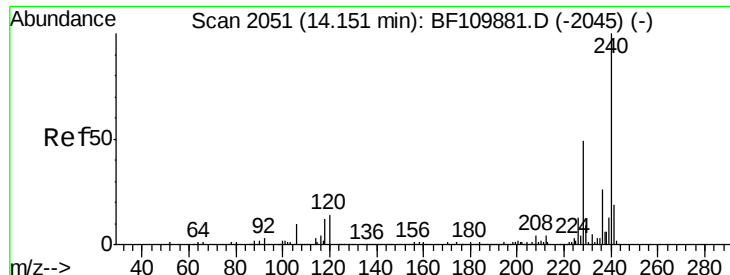
#67
 4-Bromophenyl-phenylether
 Concen: 3.196 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110006.D
 Acq: 19 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
248	100		
250	188.2	79.4	119.2#
141	527.9	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: BF110006.D

Acq: 19 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

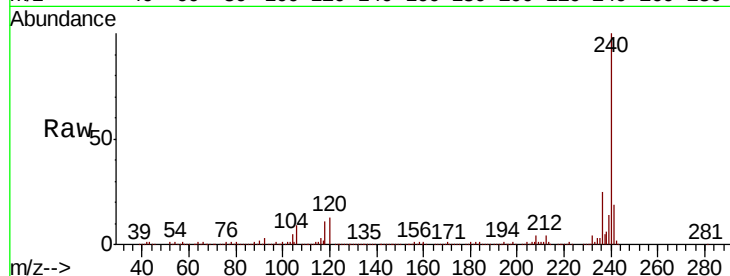
Tot Ion:240 Resp: 541602

Ion Ratio Lower Upper

240 100

120 12.6 8.3 12.5#

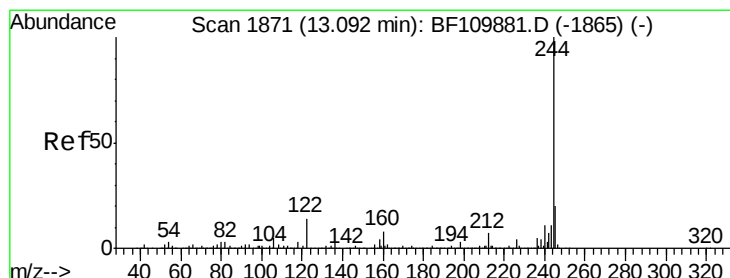
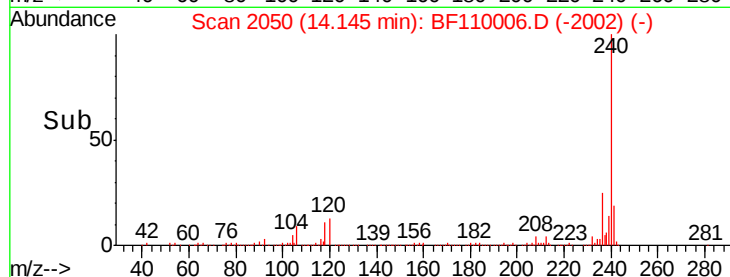
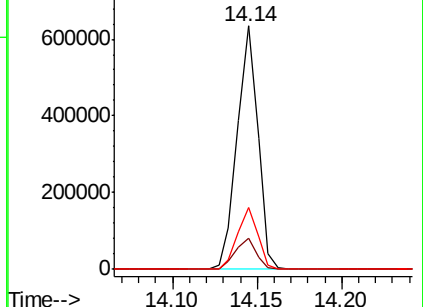
236 25.3 21.2 31.8



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: 68.515 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

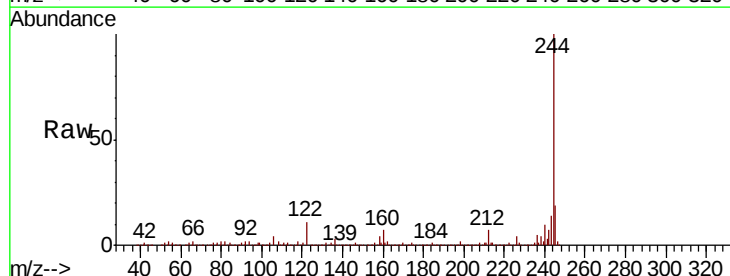
Tgt Ion:244 Resp: 1767091

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

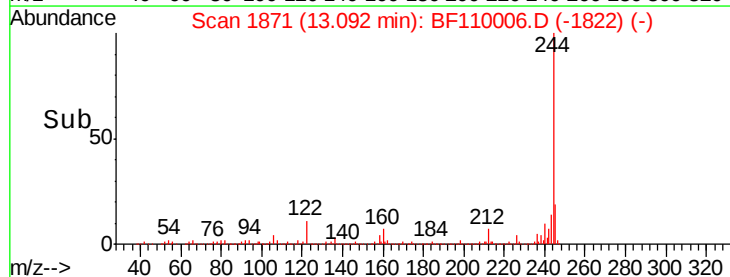
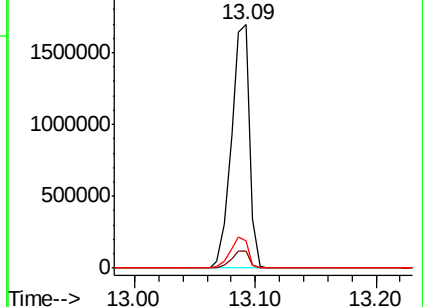
122 11.1 8.7 13.1

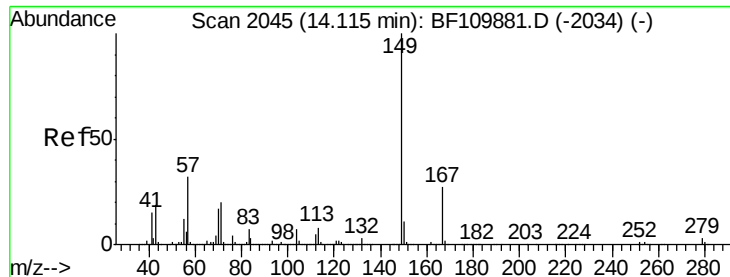


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.942 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

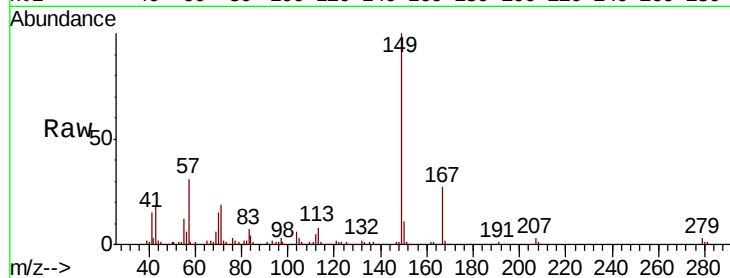
Tot Ion:149 Resp: 83425

Ion Ratio Lower Upper

149 100

167 26.6 19.8 29.8

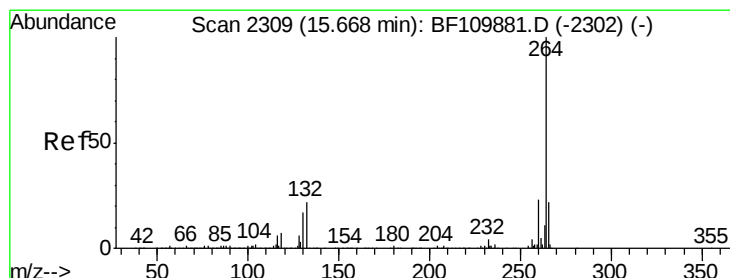
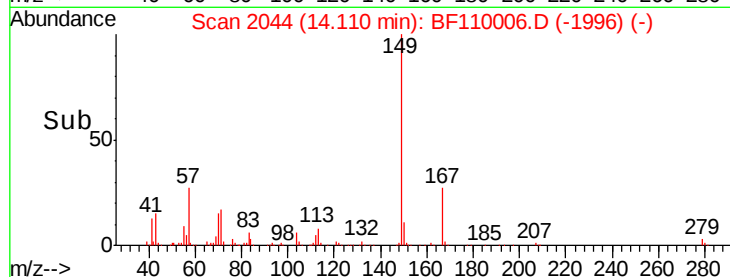
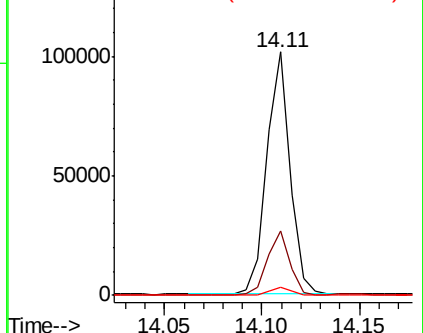
279 3.4 2.7 4.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF110006.D

Acq: 19 Oct 2018 16:54

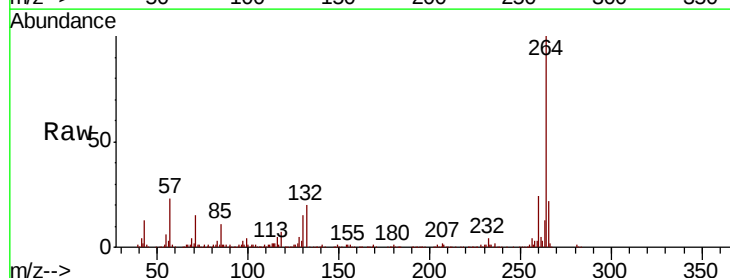
Tgt Ion:264 Resp: 374815

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.2 16.7 25.1



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

