

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109834.D
 Acq On : 12 Oct 2018 15:31
 Operator : JU/SJ
 Sample : J5371-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 16:13:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	107171	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	463168	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	229174	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	465693	20.00	ng	0.00
75) Chrysene-d12	13.83	240	337703	20.00	ng	0.00
86) Perylene-d12	15.23	264	256206	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	208022	34.45	ng	-0.01
7) Phenol-d6	6.34	99	210627	26.11	ng	-0.02
23) Nitrobenzene-d5	7.26	82	793299	94.41	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	225751	90.41	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1445170	86.85	ng	0.00
78) Terphenyl-d14	12.79	244	1398300	80.16	ng	0.00

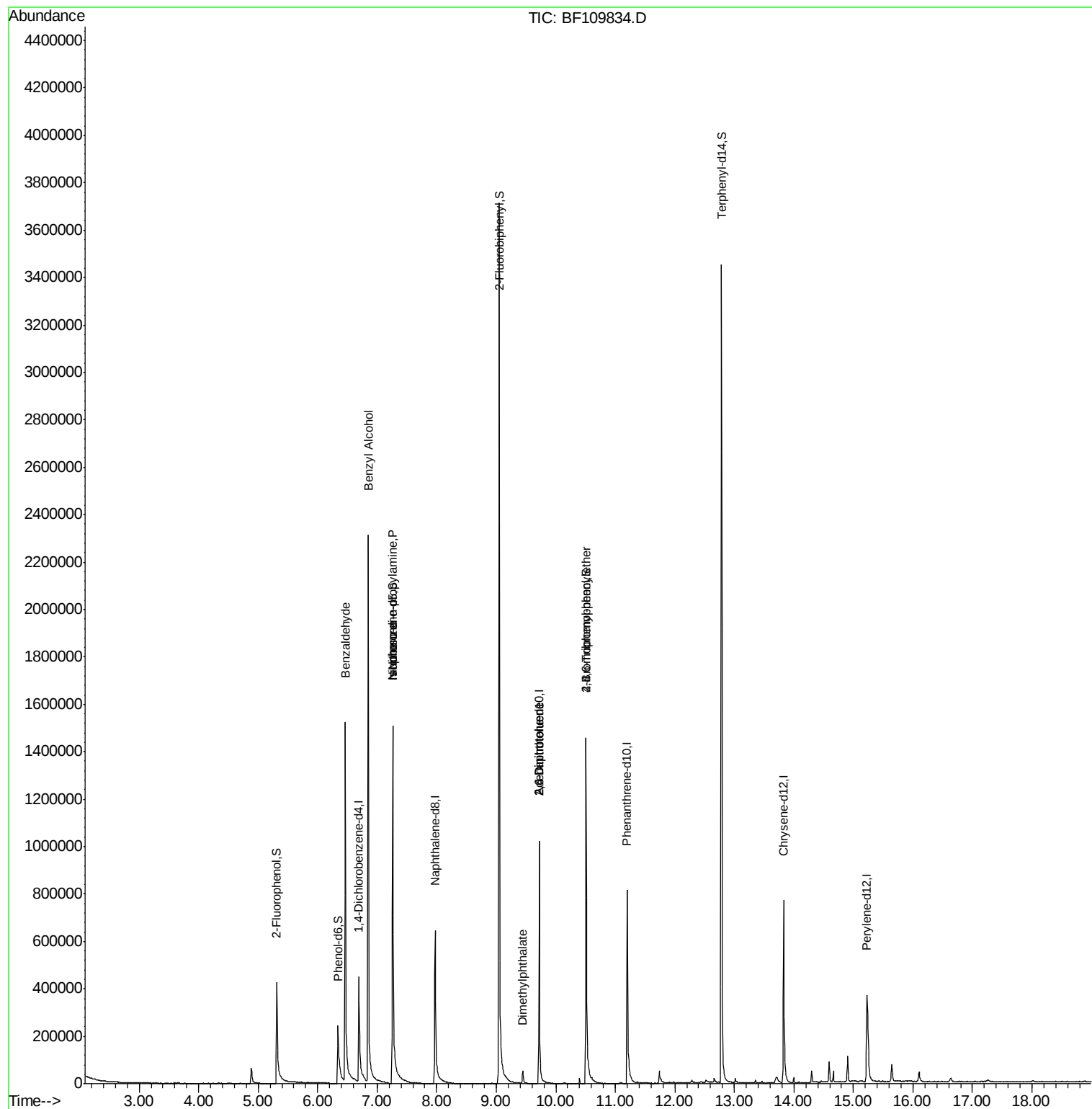
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	11381	2.193	ng	# 76
15) Benzyl Alcohol	6.85	79	12181	2.037	ng	# 48
19) n-Nitroso-di-n-propylamine	7.26	70	102449	18.113	ng	# 76
25) Isophorone	7.26	82	794814	56.965	ng	# 67
49) Dimethylphthalate	9.45	163	35935	2.138	ng	# 98
50) 2,6-Dinitrotoluene	9.72	165	28195	7.739	ng	# 23
56) 2,4-Dinitrotoluene	9.72	165	28195	6.201	ng	# 20
66) 4-Bromophenyl-phenylether	10.51	248	13552	2.533	ng	# 1

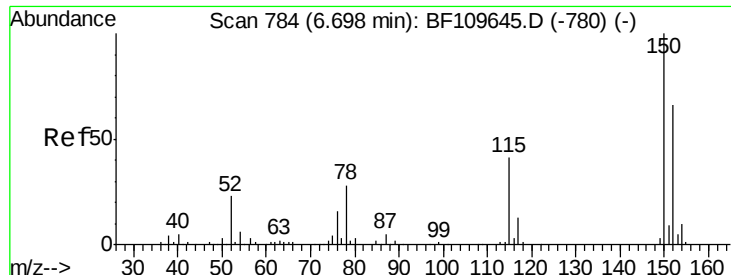
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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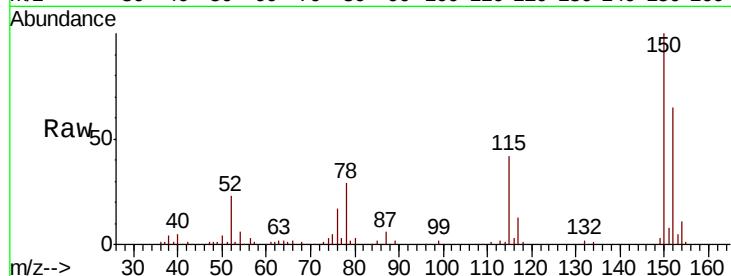


#1

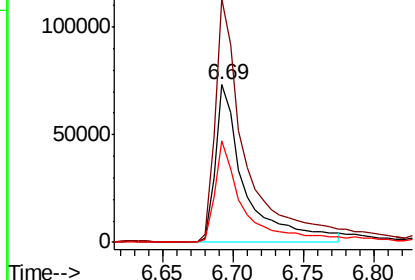
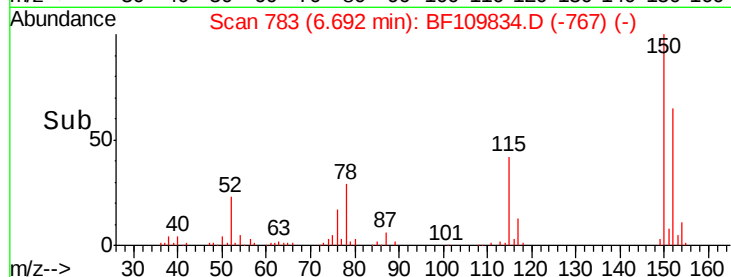
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 107171
Ion Ratio Lower Upper
152 100
150 154.7 122.7 184.1
115 64.6 49.1 73.7



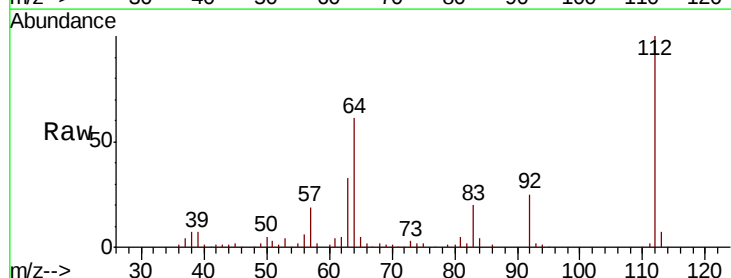
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



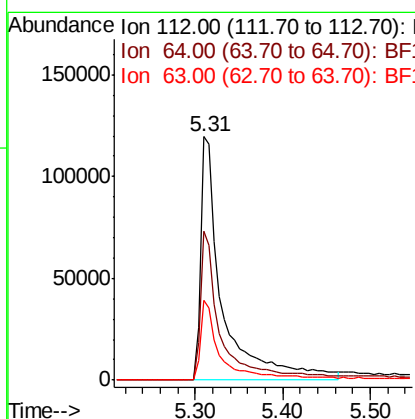
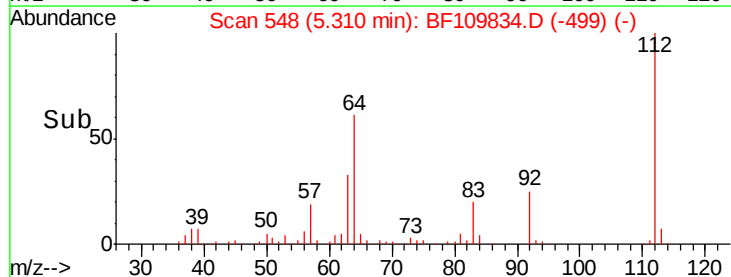
#5

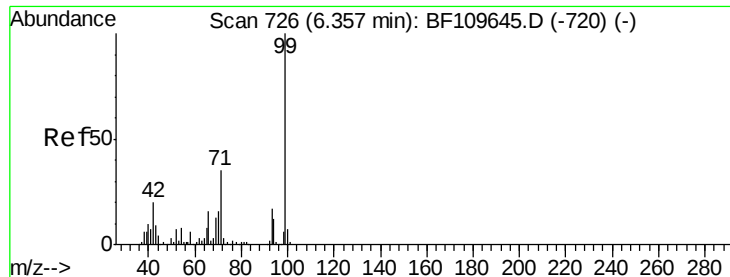
2-Fluorophenol
Concen: 34.454 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Tgt Ion:112 Resp: 208022
Ion Ratio Lower Upper
112 100
64 61.0 44.1 66.1
63 32.7 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: 26.114 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

Instrument :

BNA_F

ClientSampled :

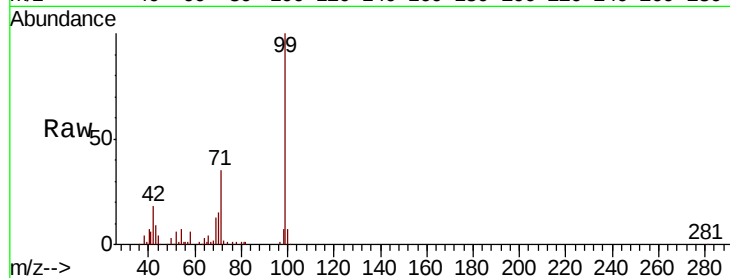
Tot Ion: 99 Resp: 210627

Ion Ratio Lower Upper

99 100

42 18.2 15.8 23.6

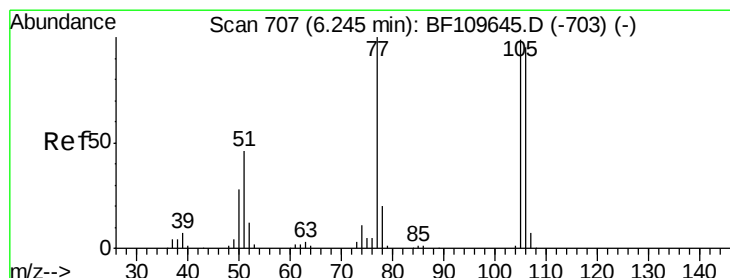
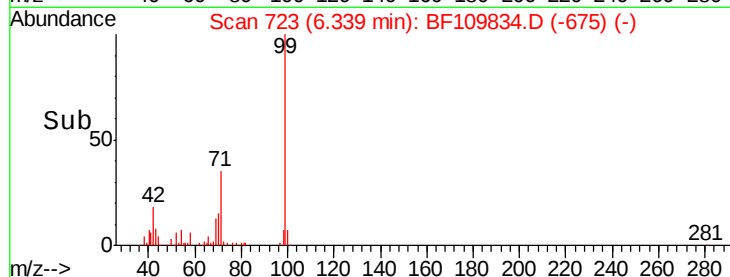
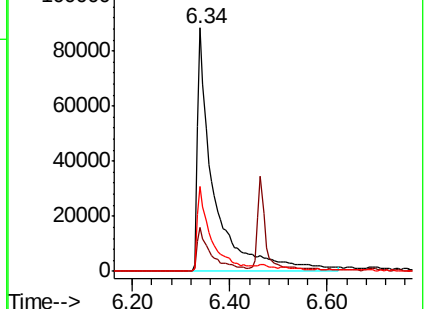
71 34.8 28.0 42.0



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: 2.193 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

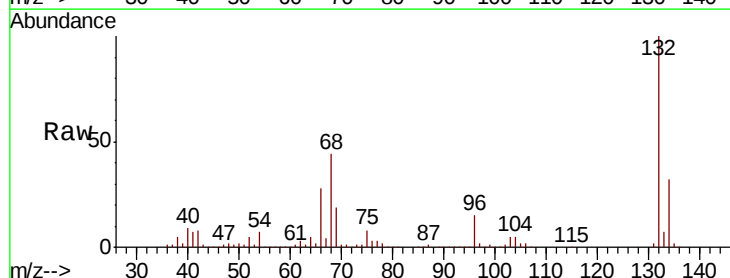
Tgt Ion: 77 Resp: 11381

Ion Ratio Lower Upper

77 100

105 80.4 78.6 118.6

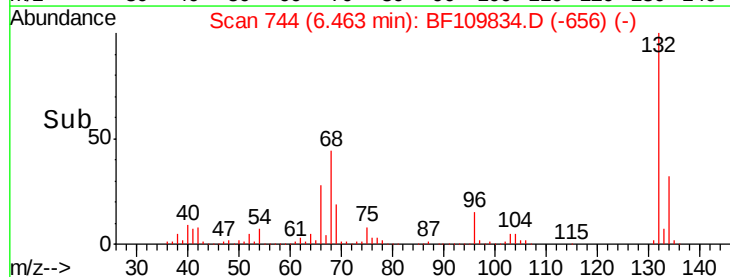
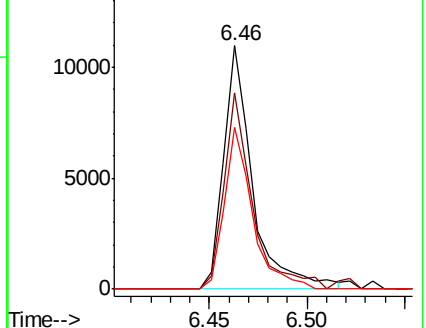
106 66.3 74.8 114.8#

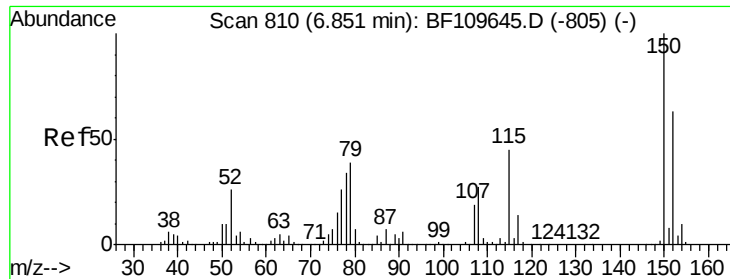


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

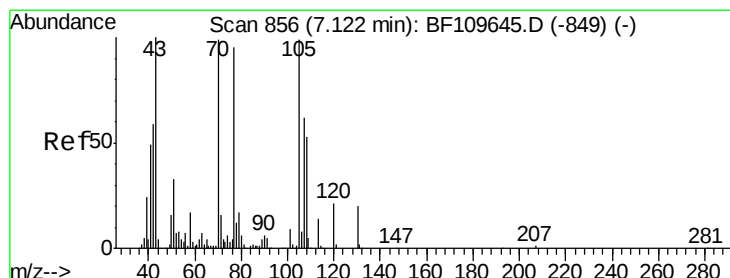
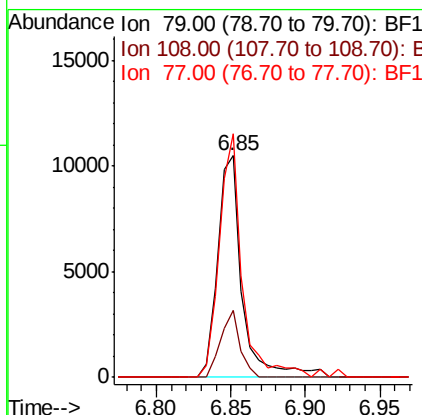
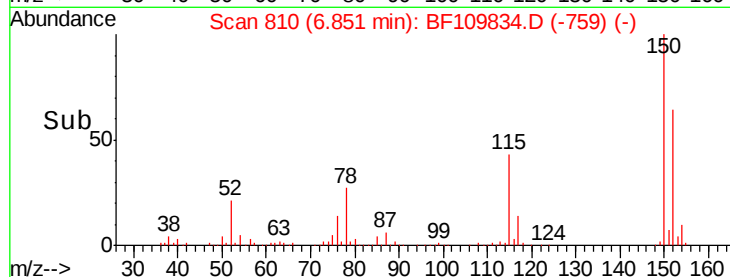
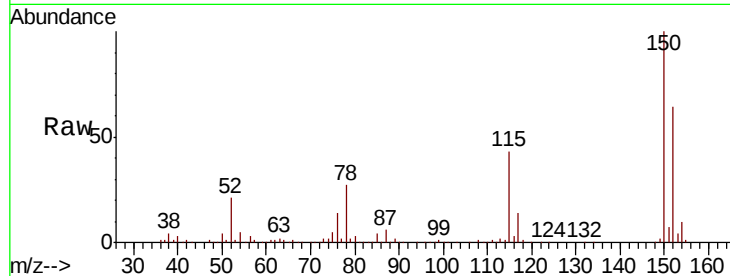




#15
Benzyl Alcohol
Concen: 2.037 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

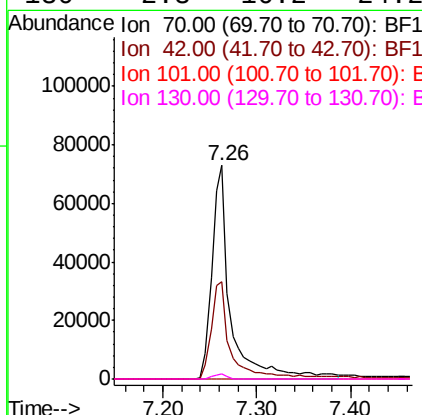
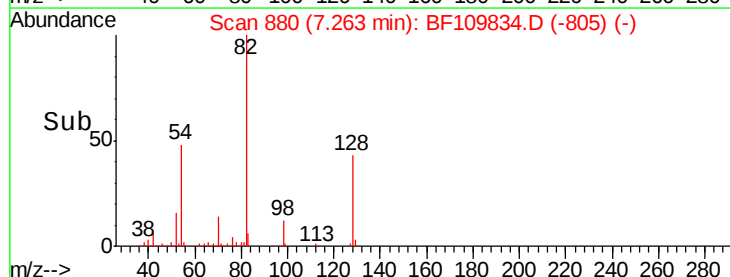
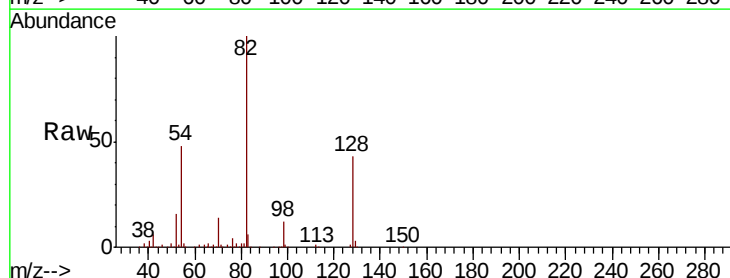
Instrument :
BNA_F
ClientSampleId :

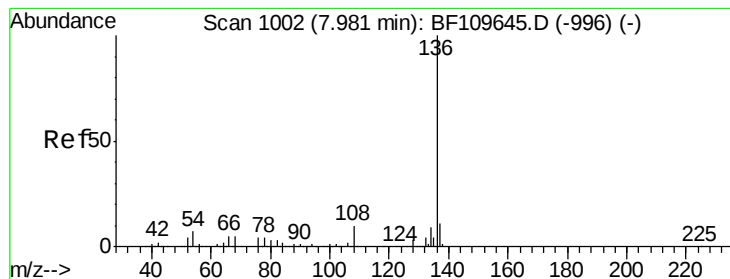
Tot Ion: 79 Resp: 12181
Ion Ratio Lower Upper
79 100
108 30.2 56.3 84.5#
77 109.8 52.9 79.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.113 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Tgt Ion: 70 Resp: 102449
Ion Ratio Lower Upper
70 100
42 45.4 47.4 71.2#
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 463168

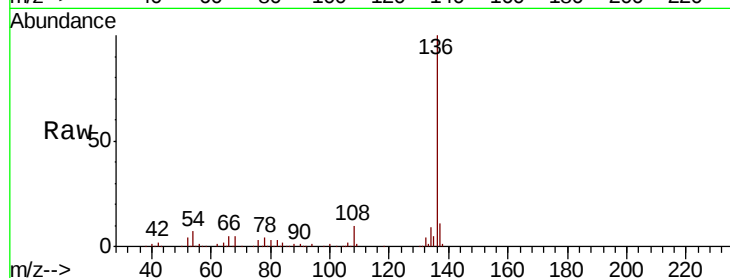
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.6 5.4 8.2

68 5.0 4.2 6.2

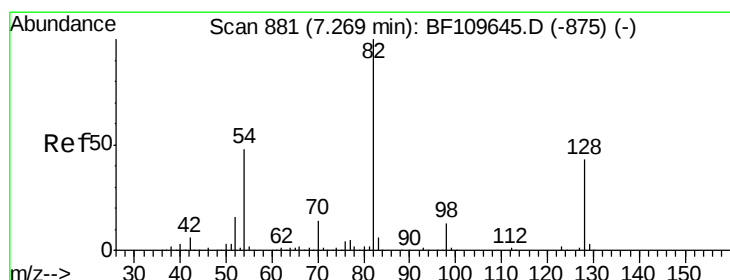
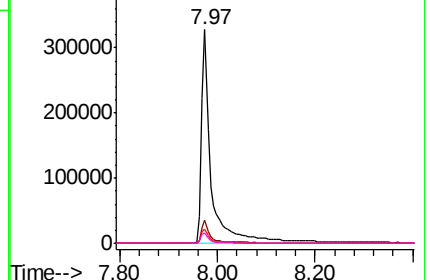
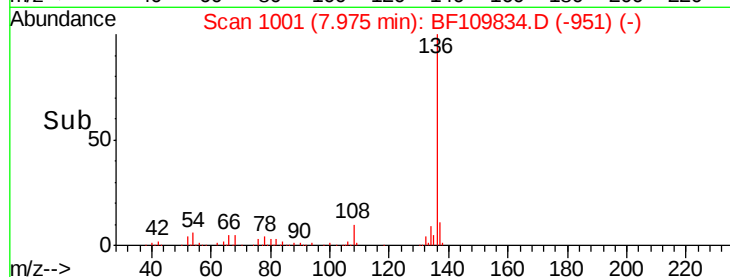


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.414 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

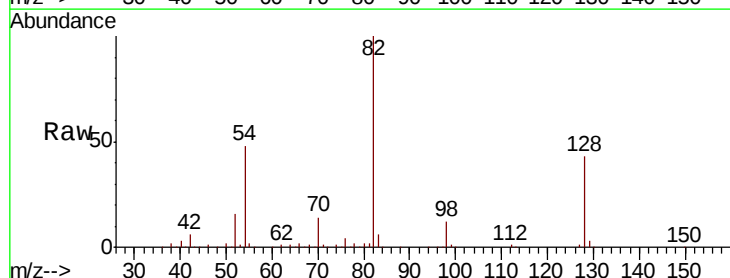
Tgt Ion: 82 Resp: 793299

Ion Ratio Lower Upper

82 100

128 42.6 34.2 51.2

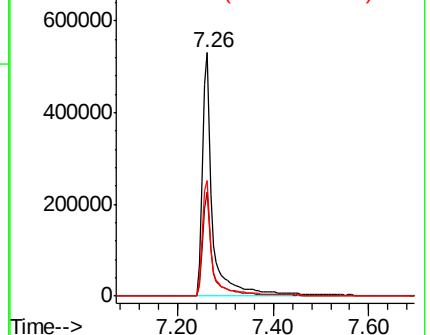
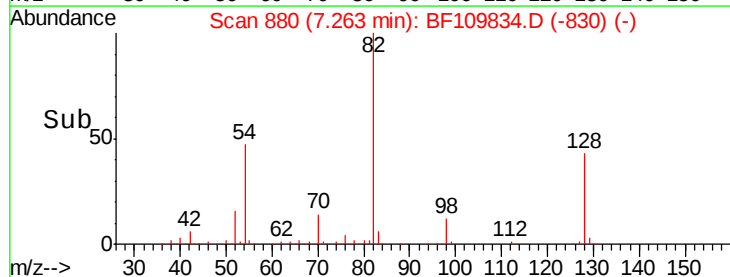
54 47.5 38.6 58.0

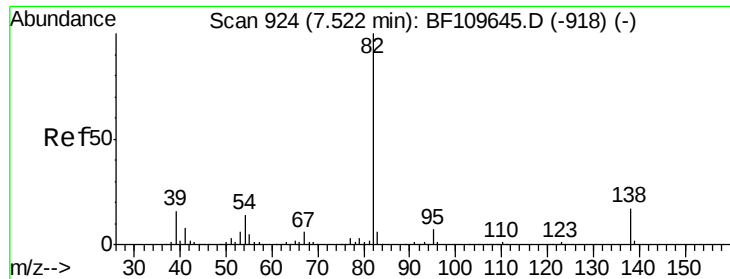


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.965 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

Instrument :

BNA_F

ClientSampleId :

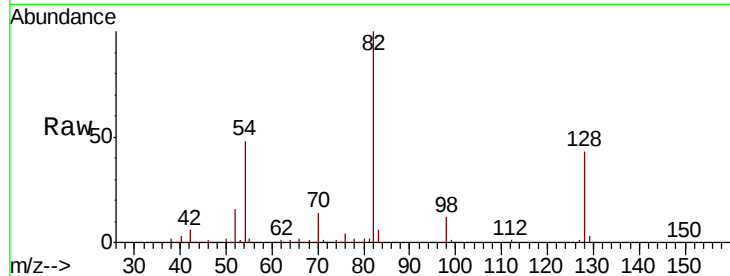
Tot Ion: 82 Resp: 794814

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

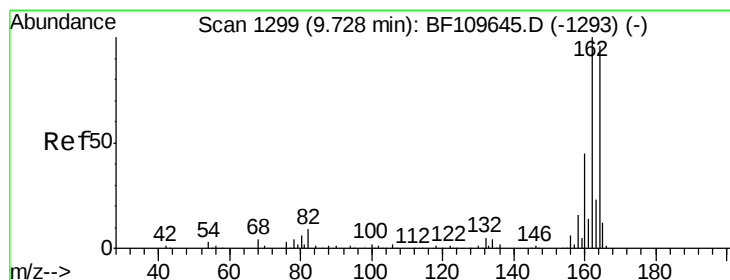
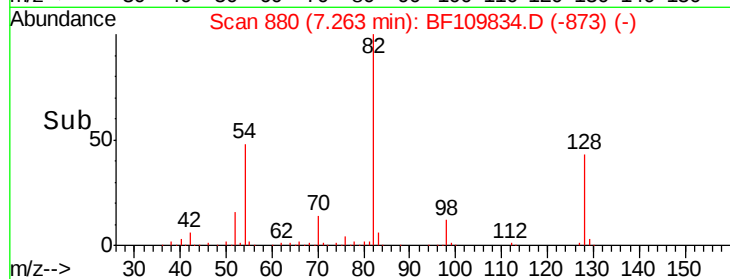
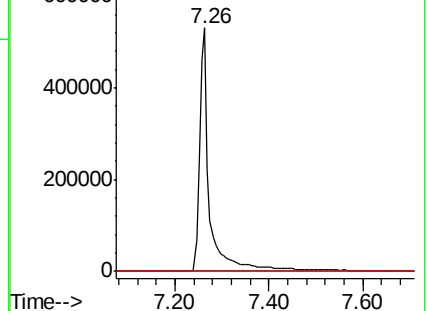
138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109834.D

Acq: 12 Oct 2018 15:31

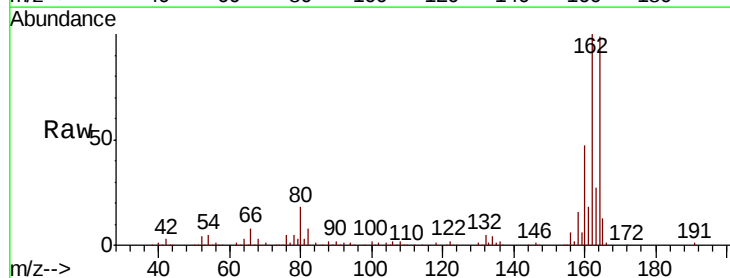
Tgt Ion:164 Resp: 229174

Ion Ratio Lower Upper

164 100

162 100.7 83.0 124.6

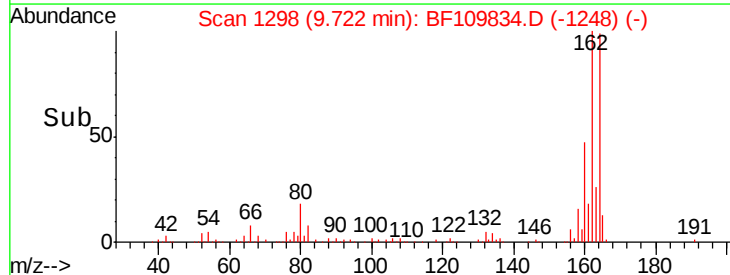
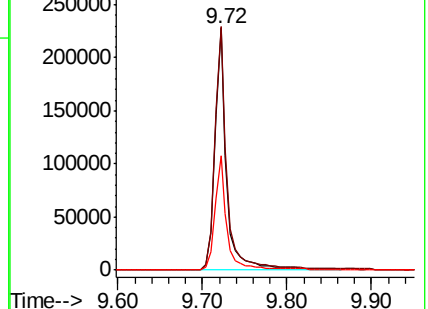
160 47.4 37.0 55.6

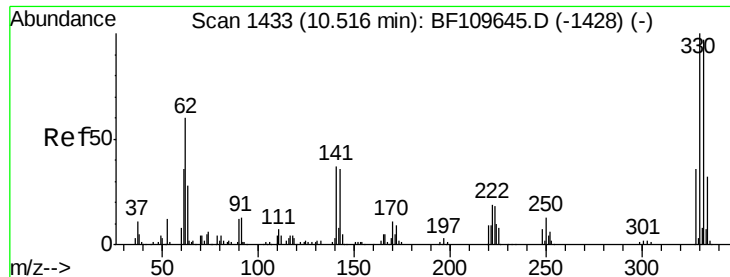


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

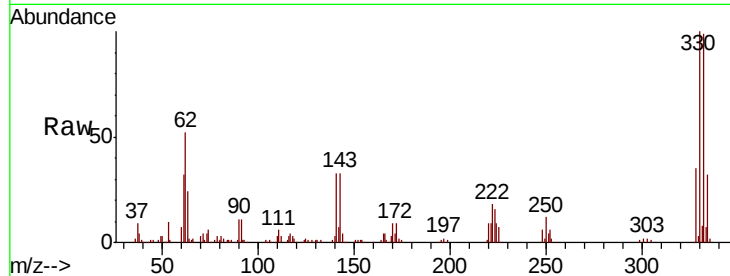




#41
 2,4,6-Tribromophenol
 Concen: 90.405 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	34.9	27.0	40.4

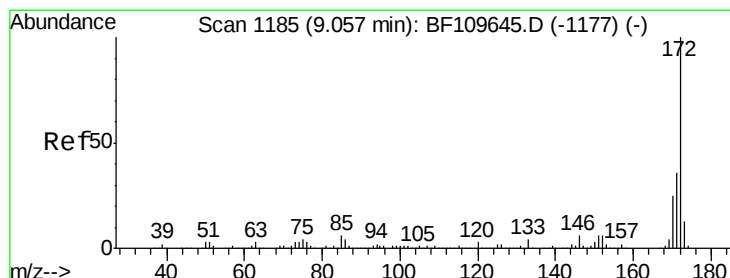
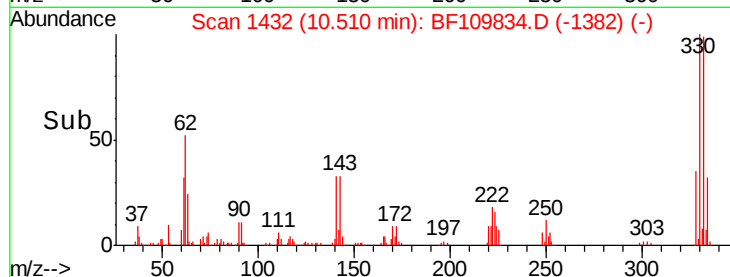
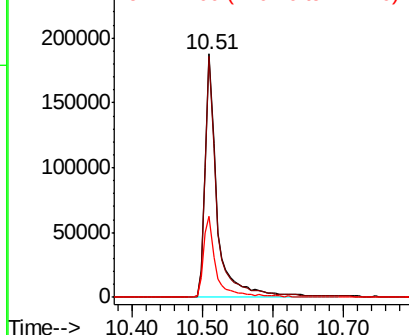


Abundance

Ion 329.80 (329.50 to 330.50): E

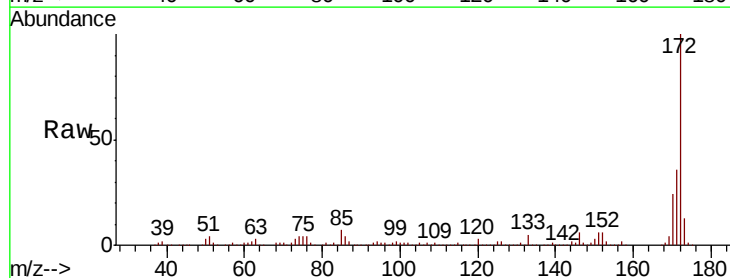
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 86.849 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	19.7	29.5

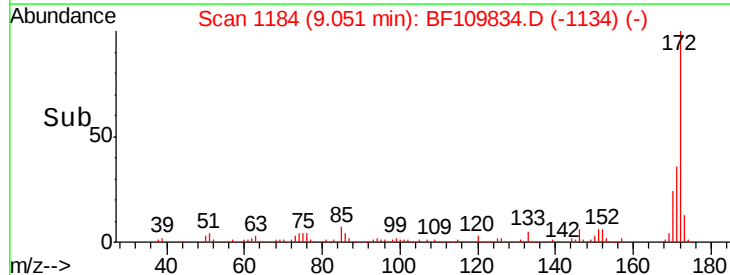
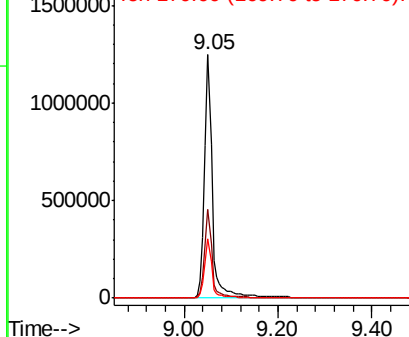


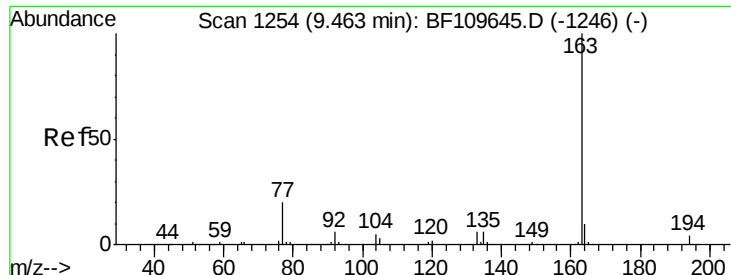
Abundance

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

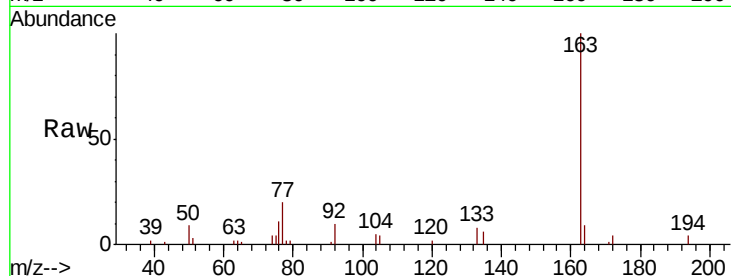




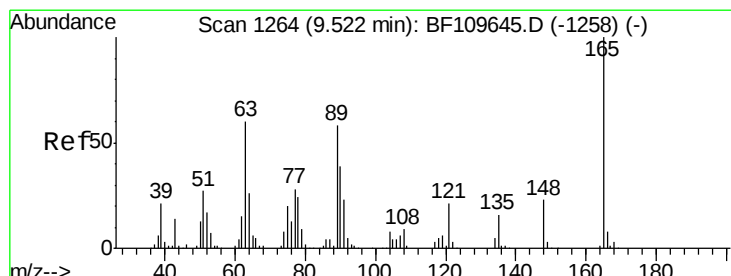
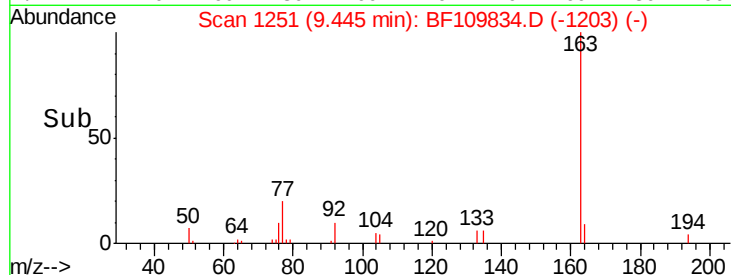
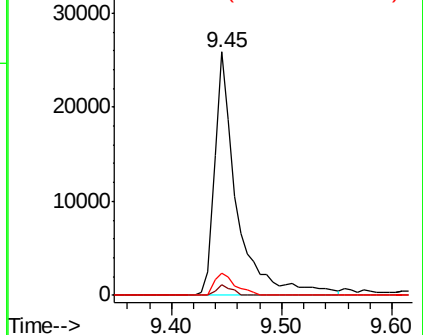
#49
Dimethylphthalate
Concen: 2.138 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	9.3	8.1	12.1

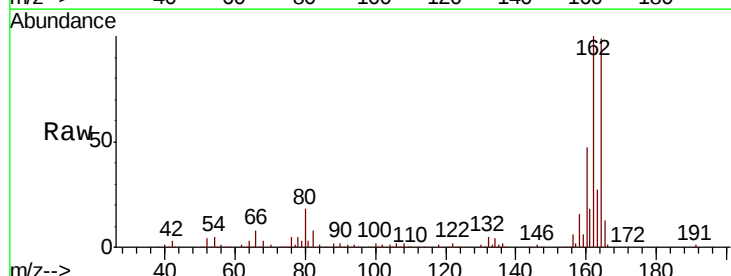


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

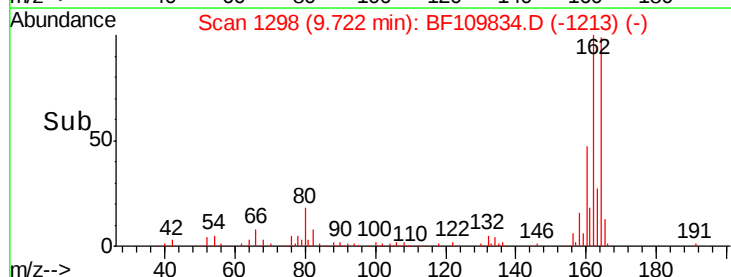
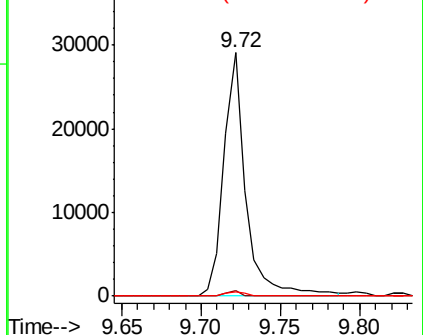


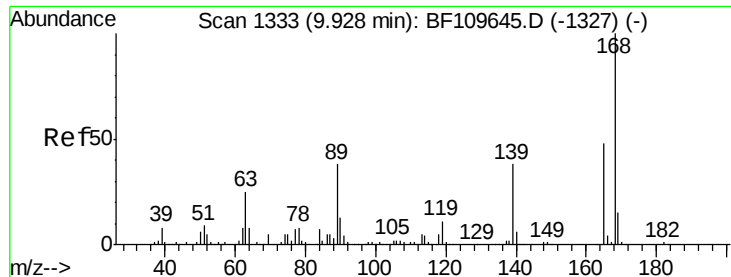
#50
2,6-Dinitrotoluene
Concen: 7.739 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	48.9	73.3#
89	1.5	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

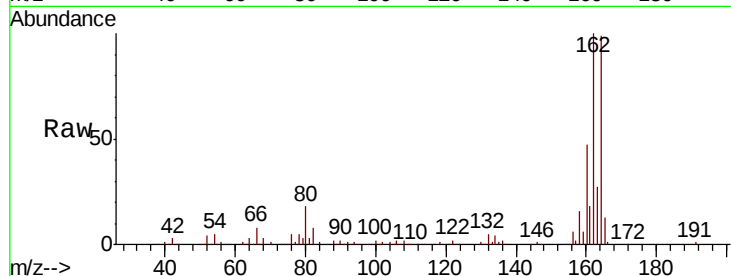




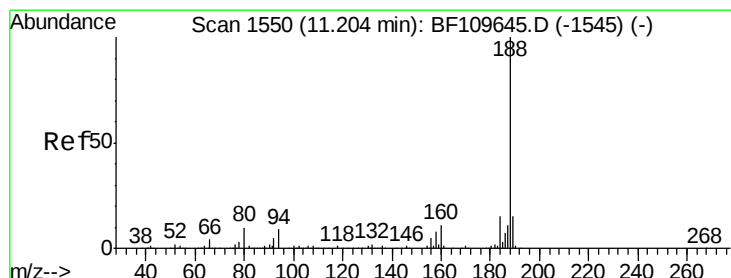
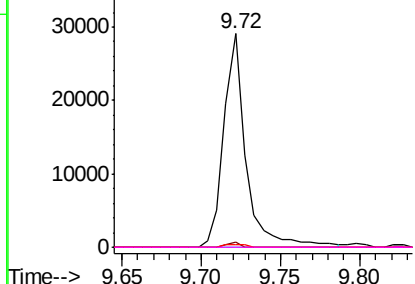
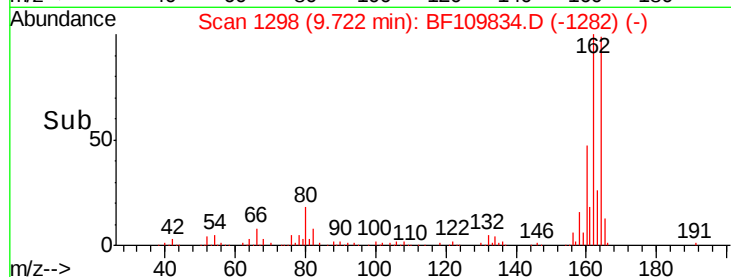
#56
2,4-Dinitrotoluene
Concen: 6.201 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	28195
Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#

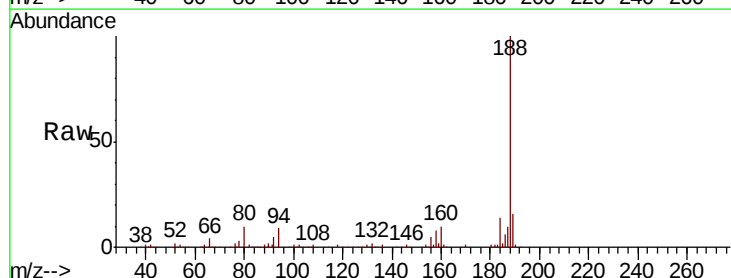


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

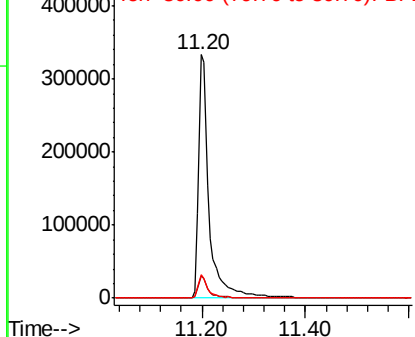
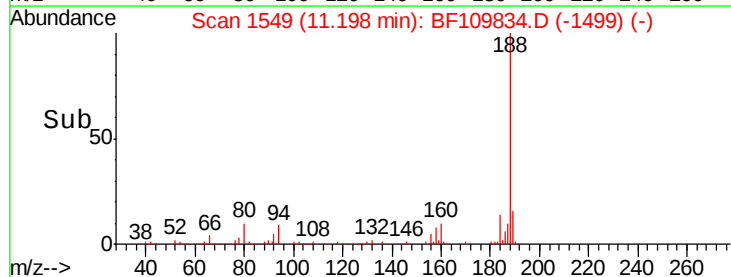


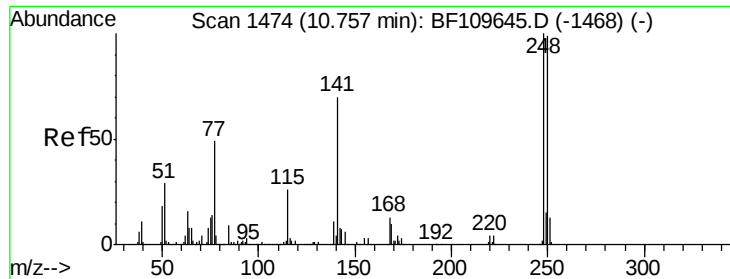
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109834.D
Acq: 12 Oct 2018 15:31

Tgt Ion:	188	Resp:	465693
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	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

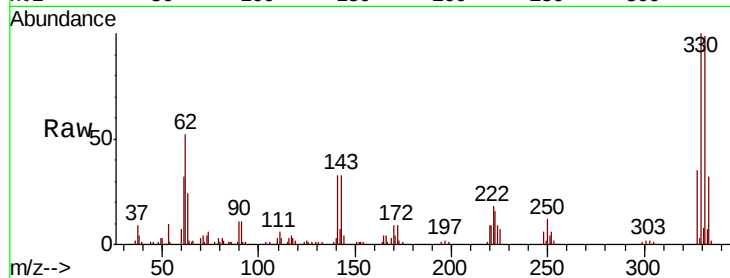




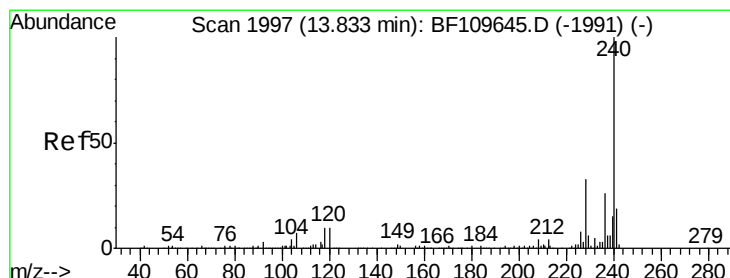
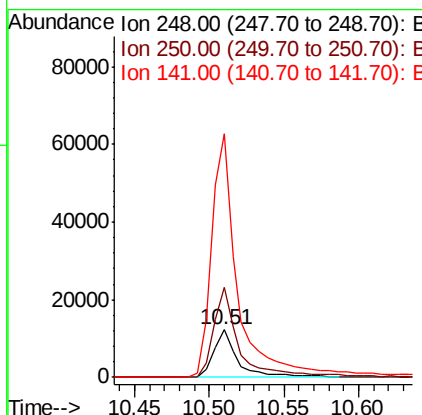
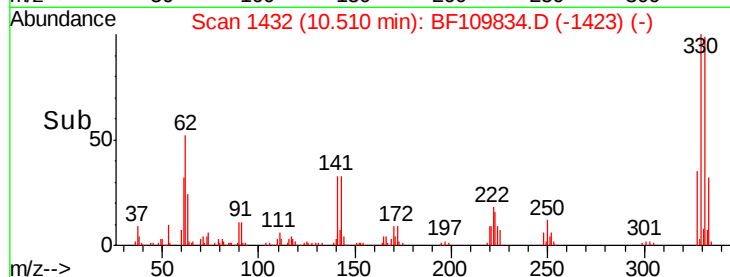
#66
 4-Bromophenyl-phenylether
 Concen: 2.533 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13552
 Ion Ratio Lower Upper
 248 100
 250 191.4 79.4 119.2#
 141 514.5 55.9 83.9#

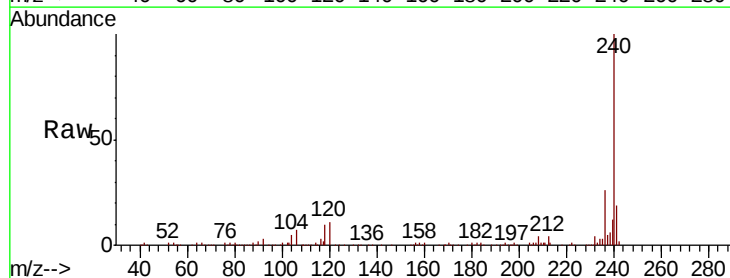


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

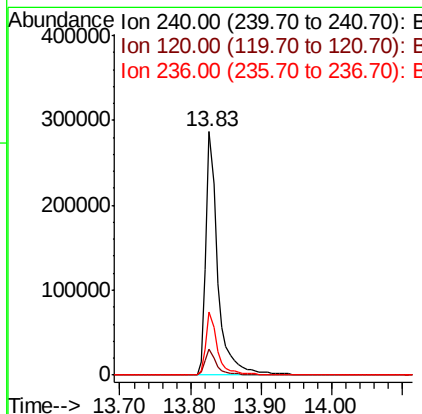
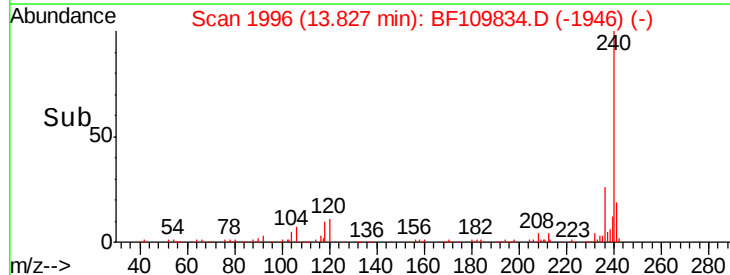


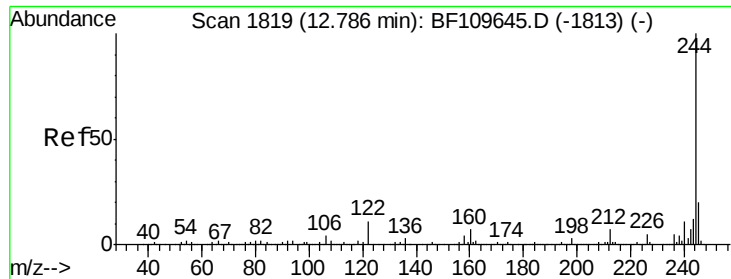
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Tgt Ion:240 Resp: 337703
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.3 12.5
 236 26.2 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



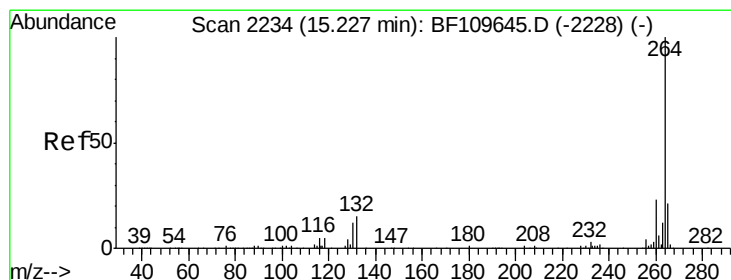
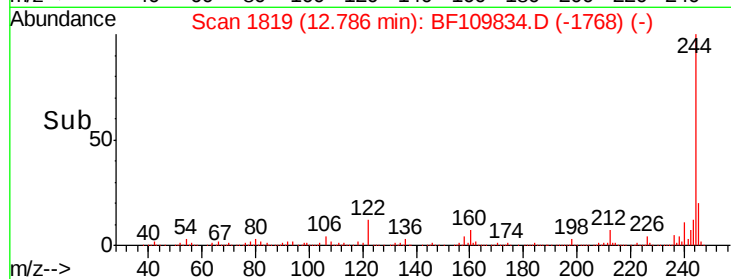
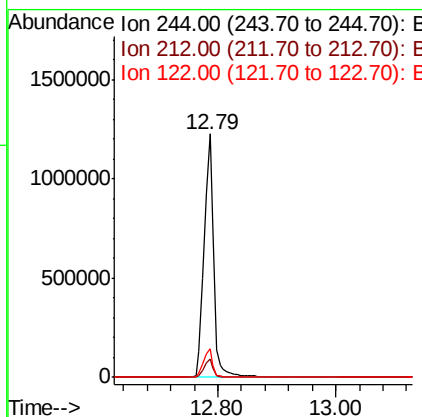
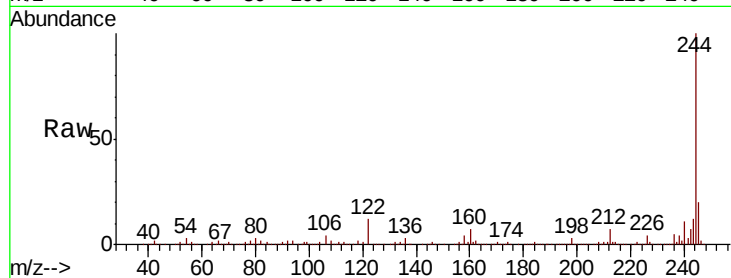


#78
 Terphenyl-d14
 Concen: 80.156 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1398300

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	12.0	8.7	13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF109834.D
 Acq: 12 Oct 2018 15:31

Tgt Ion:264 Resp: 256206

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.3	16.7	25.1

