

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103077.D
 Acq On : 19 Feb 2018 12:59
 Operator : SJ/JU
 Sample : J1575-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:14:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	181452	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	769541	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	345929	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	605308	20.00	ng	0.00
75) Chrysene-d12	14.04	240	417925	20.00	ng	-0.01
86) Perylene-d12	15.54	264	333757	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1195606	100.07	ng	0.01
7) Phenol-d6	6.52	99	1419576	98.68	ng	0.00
23) Nitrobenzene-d5	7.44	82	924305	83.32	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	306248	109.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1357459	65.11	ng	0.00
78) Terphenyl-d14	12.99	244	1212293	68.68	ng	0.00

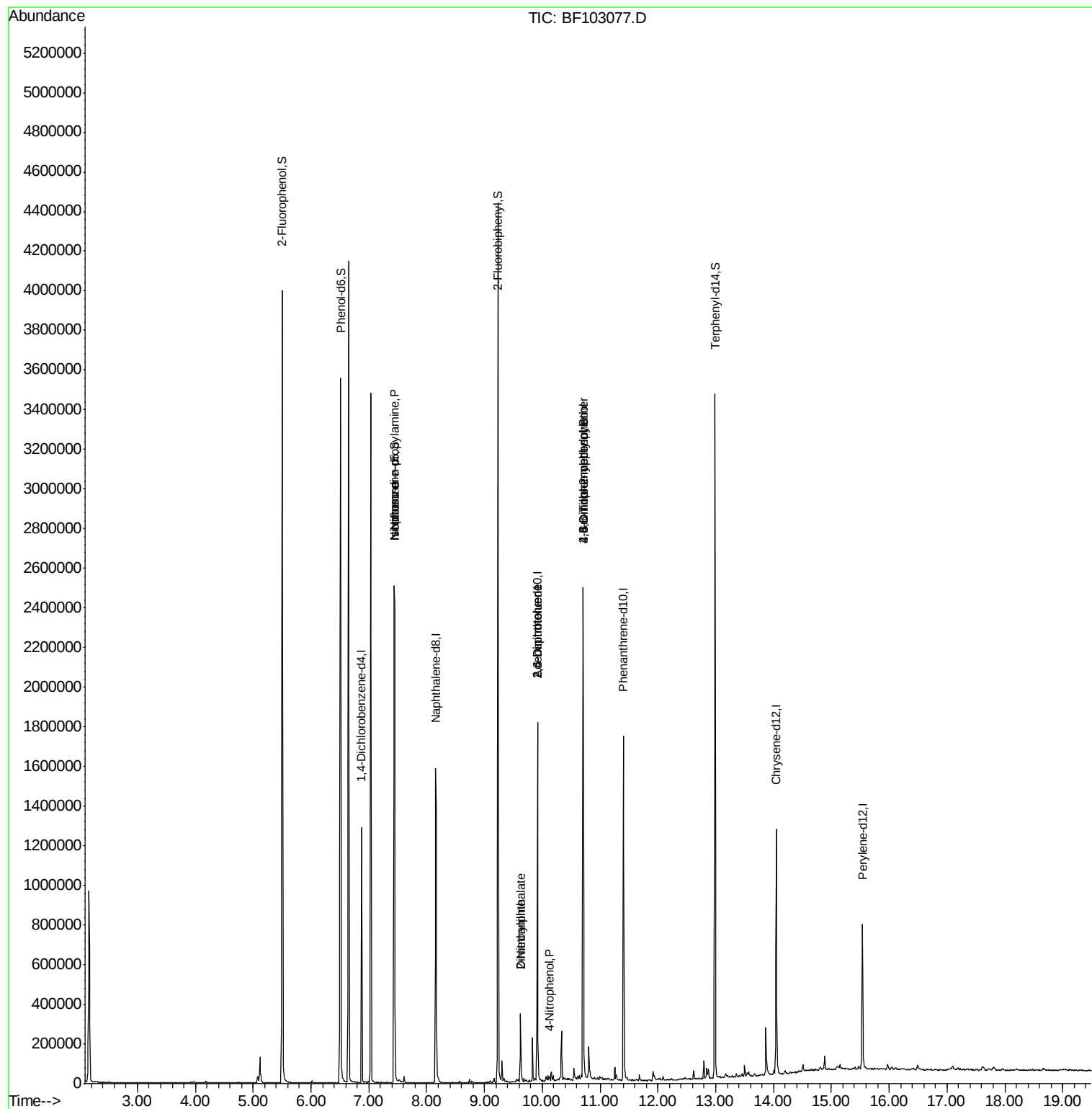
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	121084	12.765	ng	# 82
25) Isophorone	7.44	82	924298	36.185	ng	# 64
47) 2-Nitroaniline	9.62	65	1437	3.661	ng	# 1
49) Dimethylphthalate	9.62	163	127265	4.718	ng	# 99
50) 2,6-Dinitrotoluene	9.92	165	43339	8.445	ng	# 26
55) 4-Nitrophenol	10.12	139	263	4.072	ng	# 41
56) 2,4-Dinitrotoluene	9.92	165	43339	8.969	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	616	9.018	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	20607	3.218	ng	# 1

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

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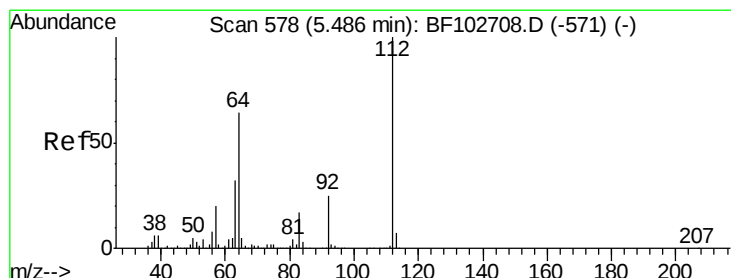
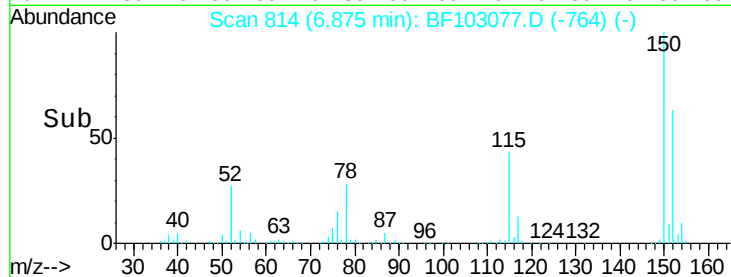
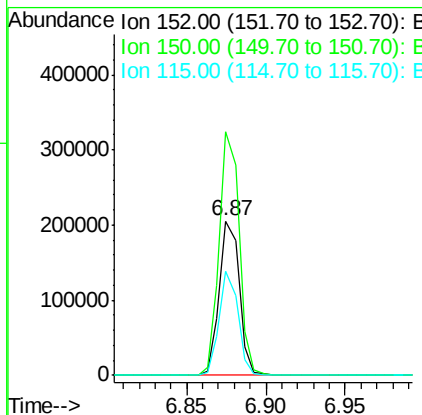
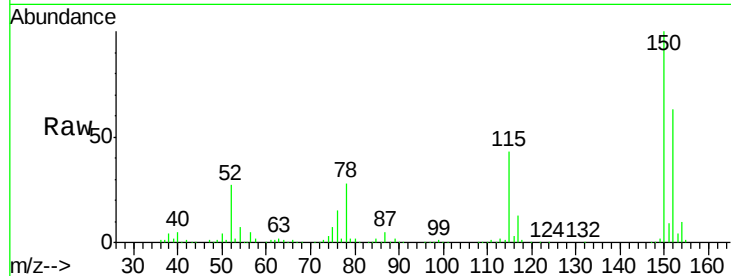


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103077.D
Acq: 19 Feb 2018 12:59

Instrument :
BNA_F
ClientSampleId :

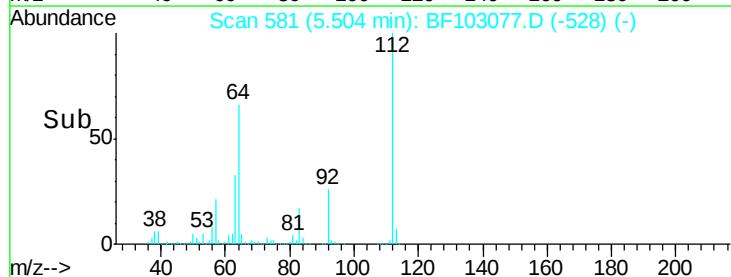
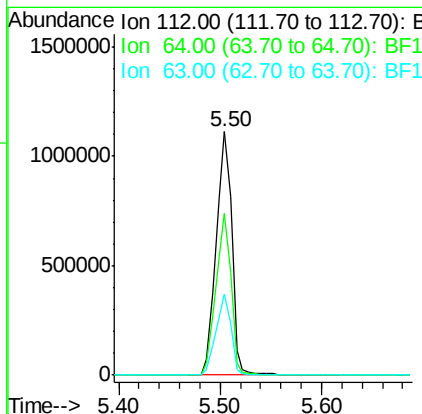
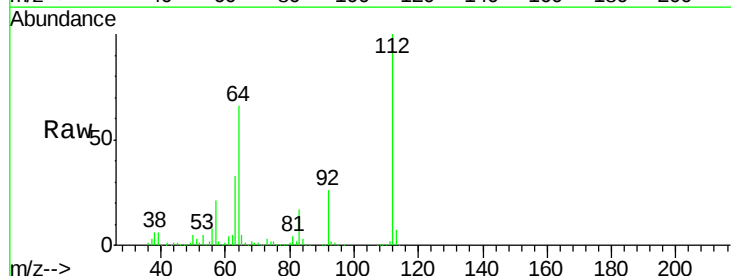
Tot Ion:152 Resp: 181452
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 67.5 50.1 75.1

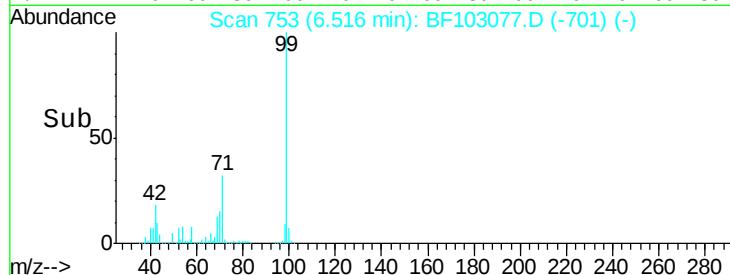
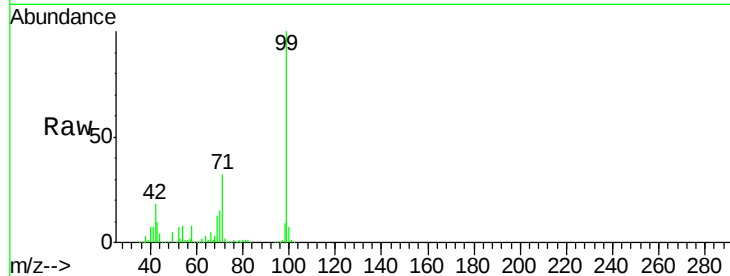


#5

2-Fluorophenol
Concen: 100.067 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103077.D
Acq: 19 Feb 2018 12:59

Tgt Ion:112 Resp: 1195606
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 33.1 23.7 35.5





#7

Phenol-d6

Concen: 98.675 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Instrument :

BNA_F

ClientSampleId :

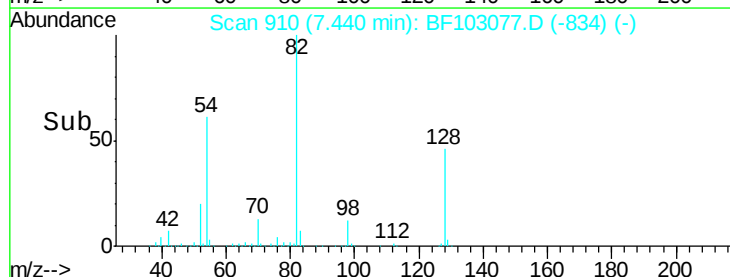
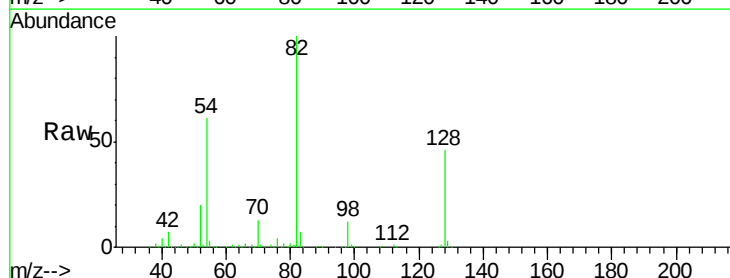
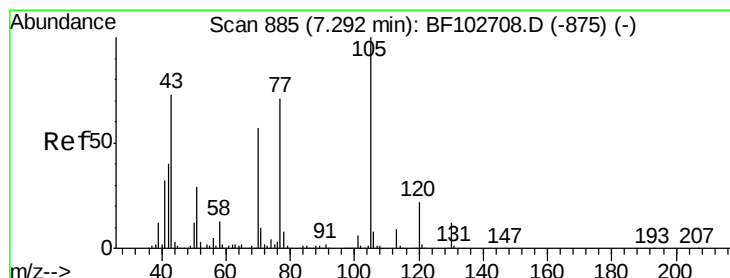
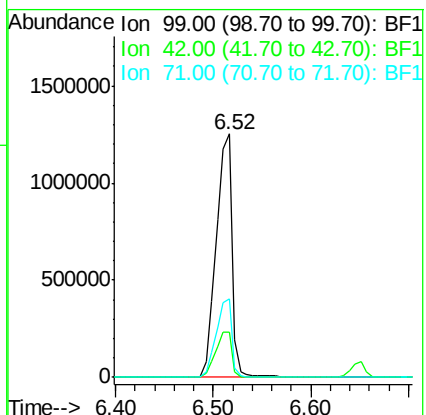
Tot Ion: 99 Resp: 1419576

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.765 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Tgt Ion: 70 Resp: 121084

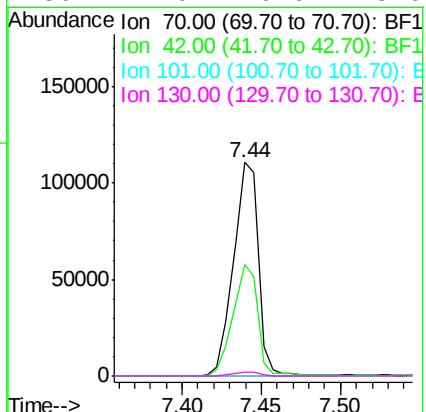
Ion Ratio Lower Upper

70 100

42 52.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 769541

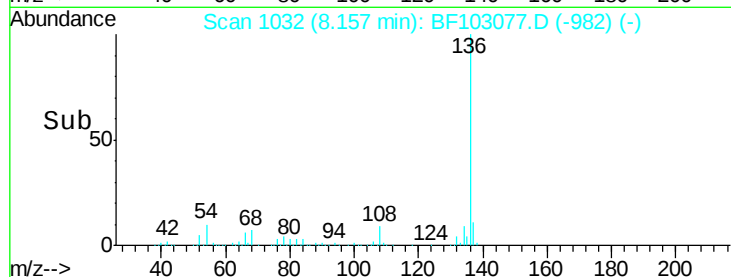
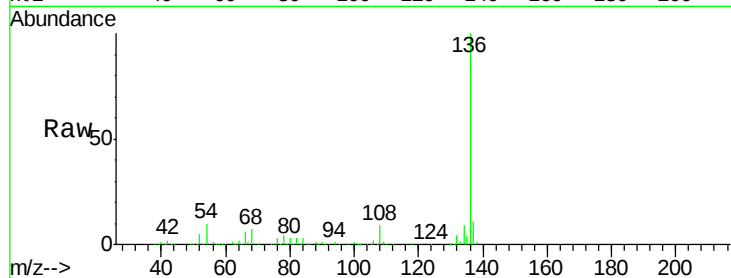
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 6.6 9.8#

68 6.8 5.0 7.4

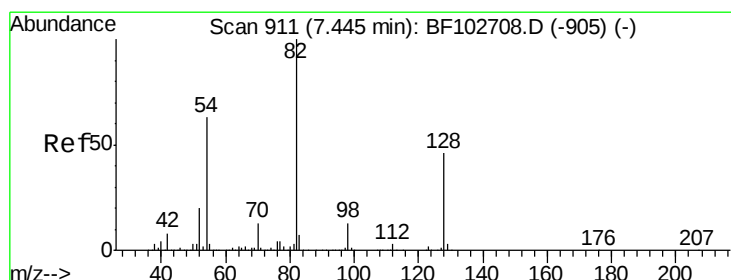
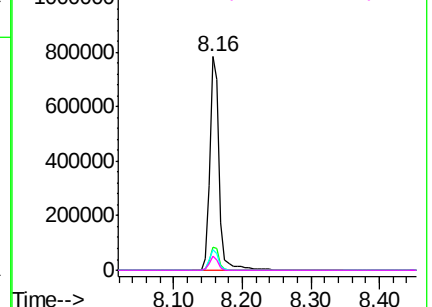


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.322 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

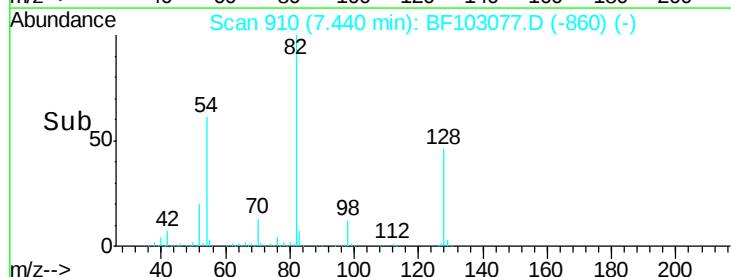
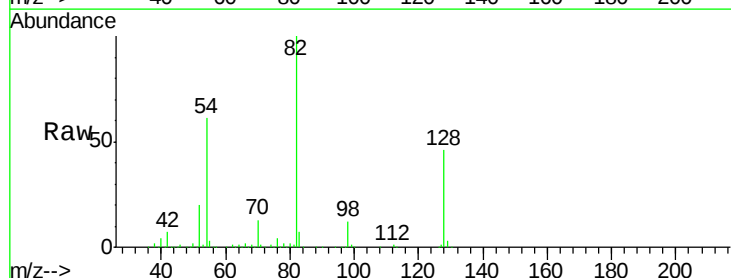
Tgt Ion: 82 Resp: 924305

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

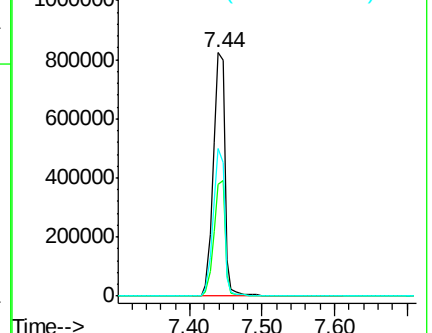
54 60.8 41.4 62.2



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: 36.185 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Instrument :

BNA_F

ClientSampleId :

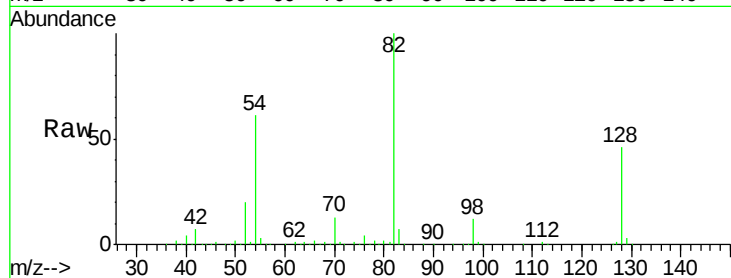
Tot Ion: 82 Resp: 924298

Ion Ratio Lower Upper

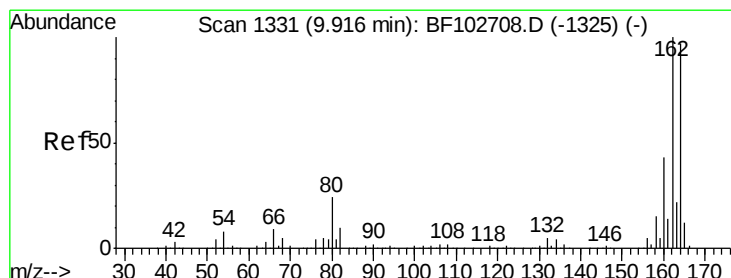
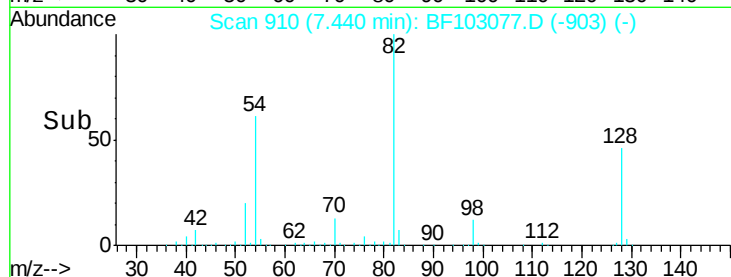
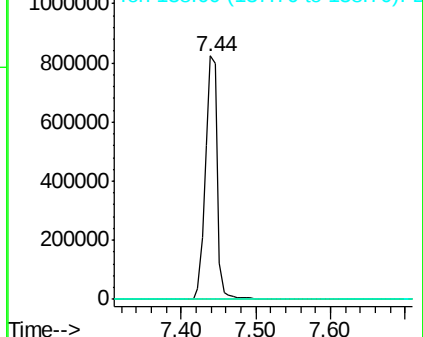
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

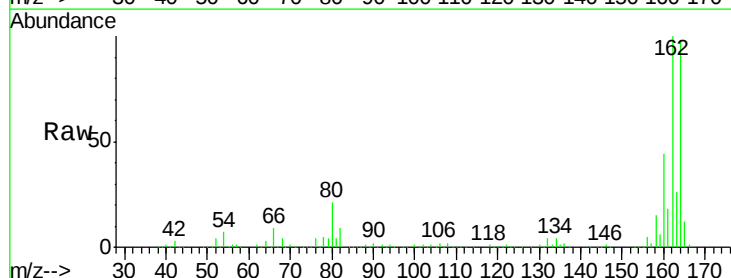
Tgt Ion: 164 Resp: 345929

Ion Ratio Lower Upper

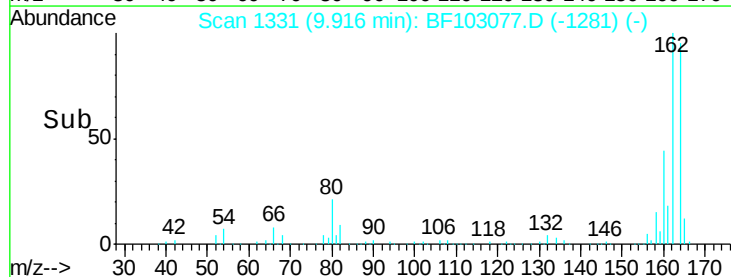
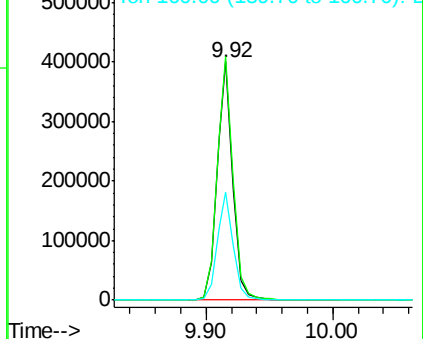
164 100

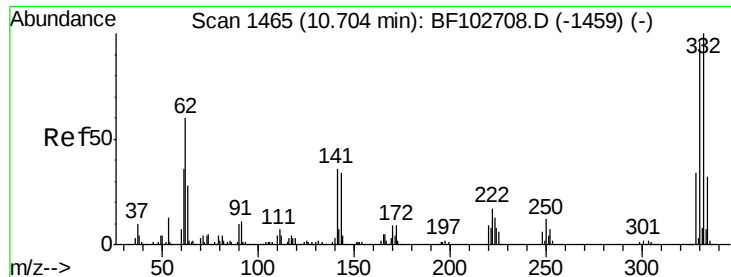
162 102.2 86.1 129.1

160 45.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

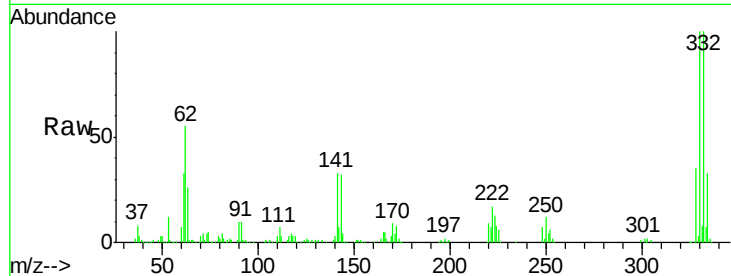




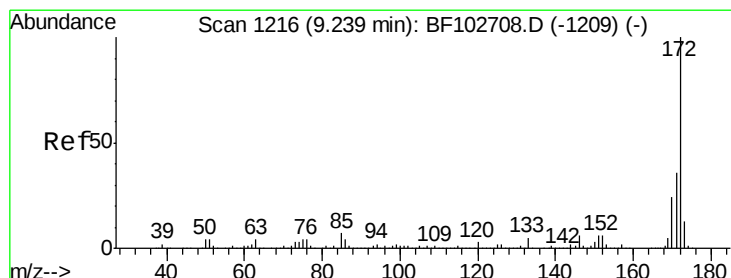
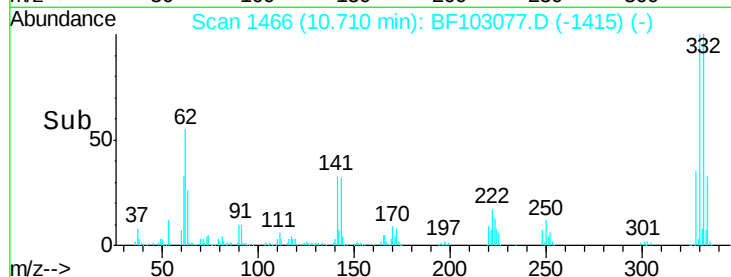
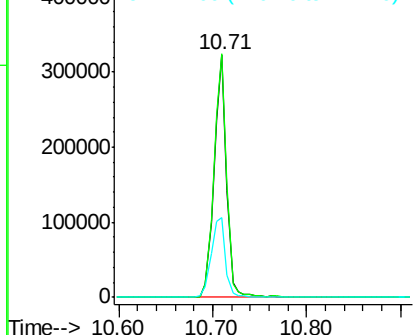
#41
 2,4,6-Tribromophenol
 Concen: 109.990 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 306248
 Ion Ratio Lower Upper
 330 100
 332 102.4 77.0 115.6
 141 37.6 29.9 44.9

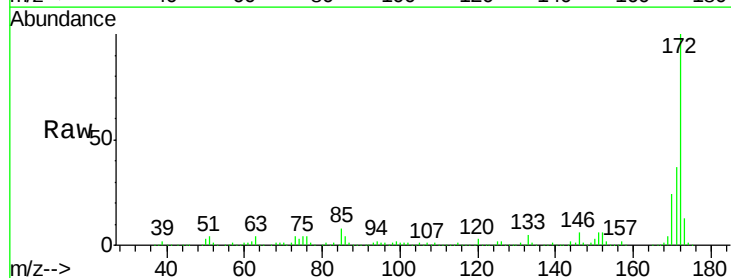


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

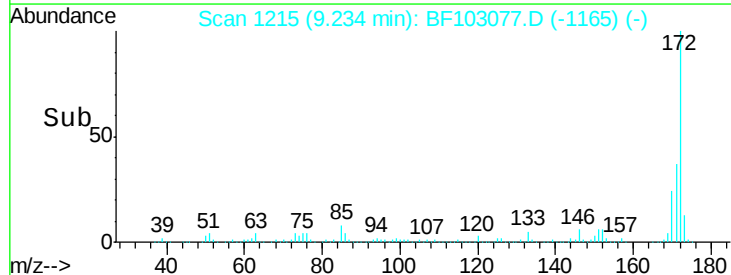
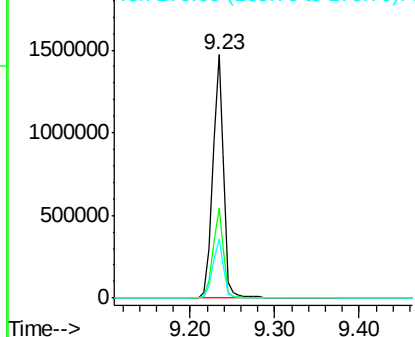


#44
 2-Fluorobiphenyl
 Concen: 65.115 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Tgt Ion:172 Resp: 1357459
 Ion Ratio Lower Upper
 172 100
 171 36.9 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





#47

2-Nitroaniline

Concen: 3.661 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Instrument :

BNA_F

ClientSampleId :

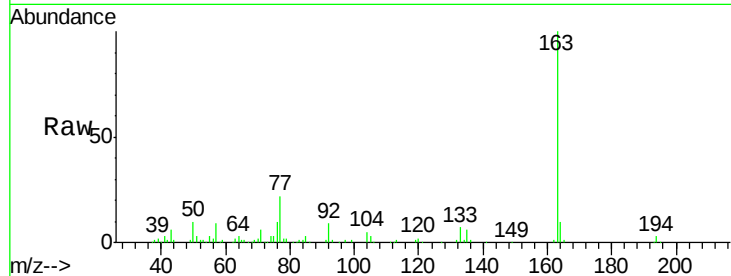
Tot Ion: 65 Resp: 1437

Ion Ratio Lower Upper

65 100

92 702.3 55.8 83.6#

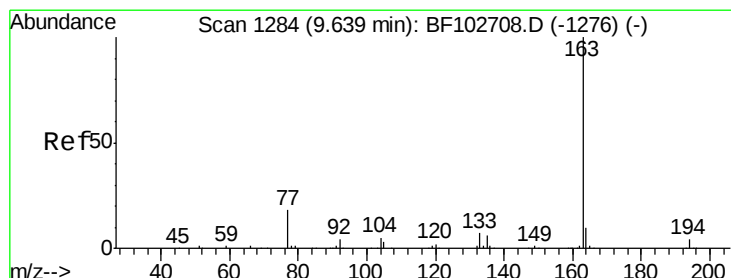
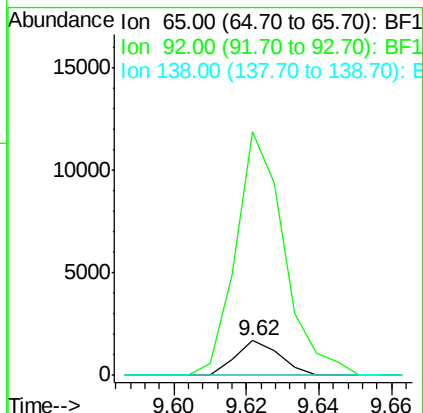
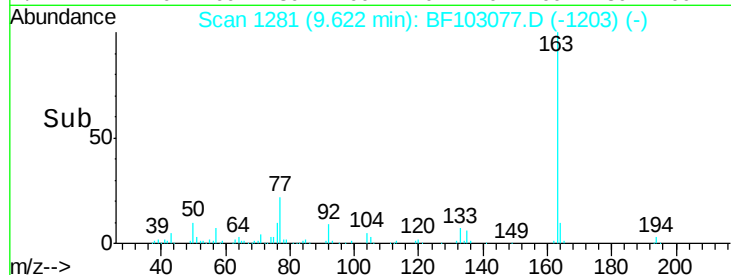
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 4.718 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

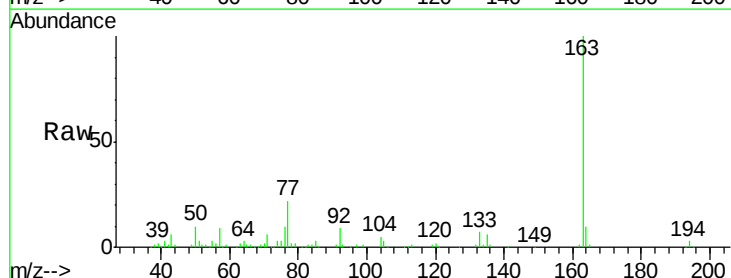
Tgt Ion: 163 Resp: 127265

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

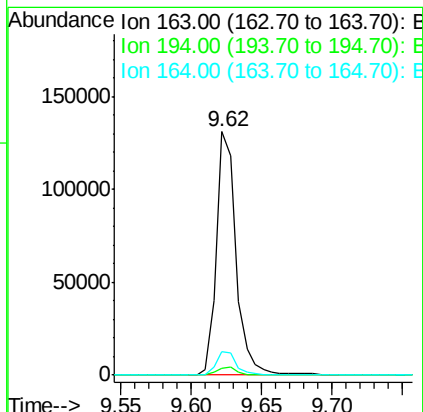
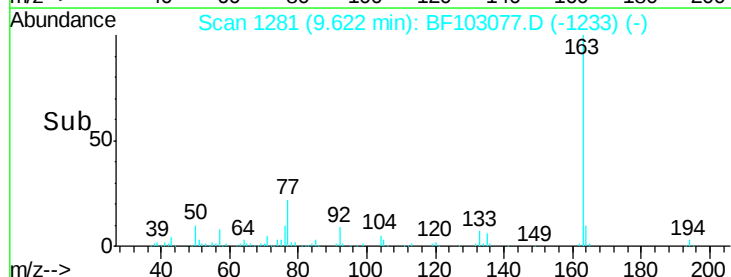
164 9.9 8.2 12.2

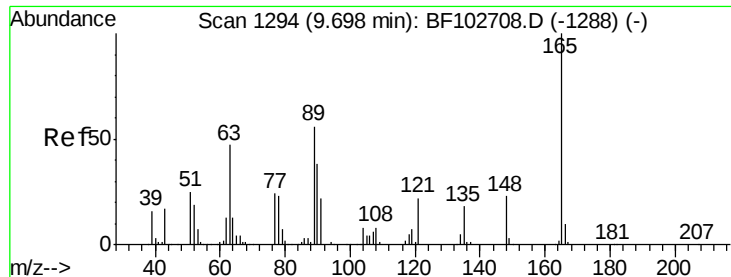


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

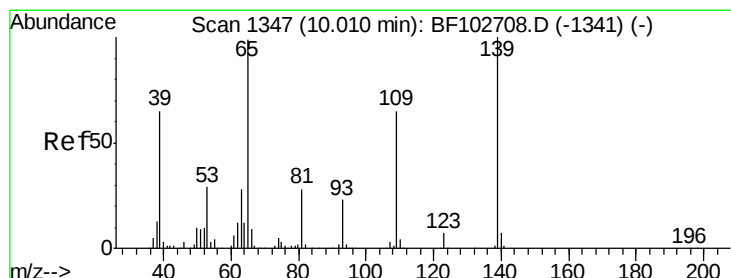
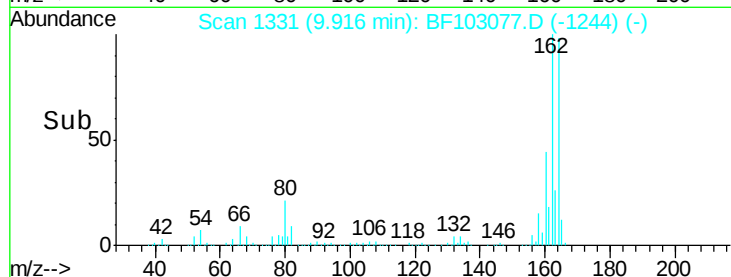
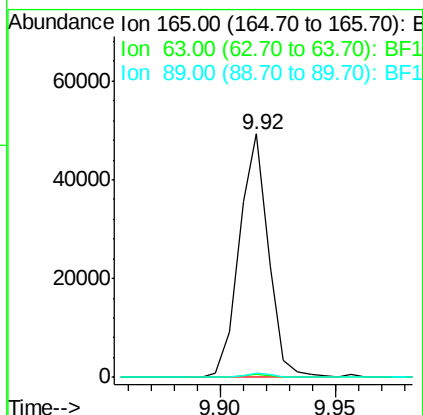
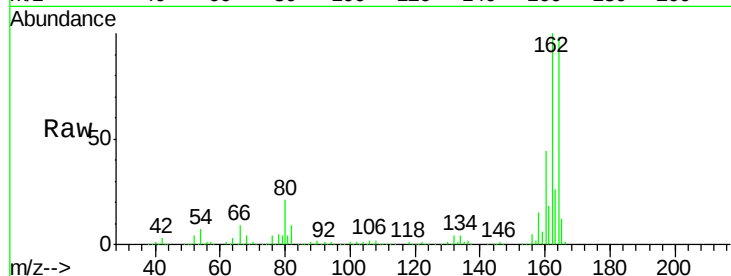




#50
 2,6-Dinitrotoluene
 Concen: 8.445 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

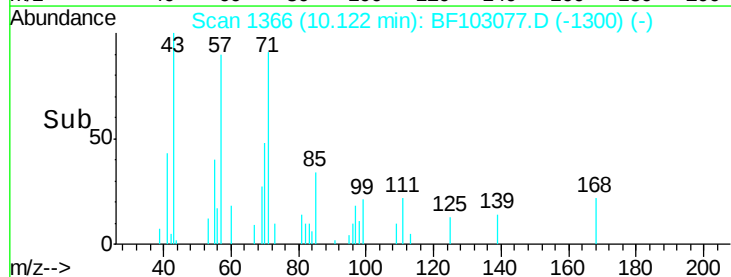
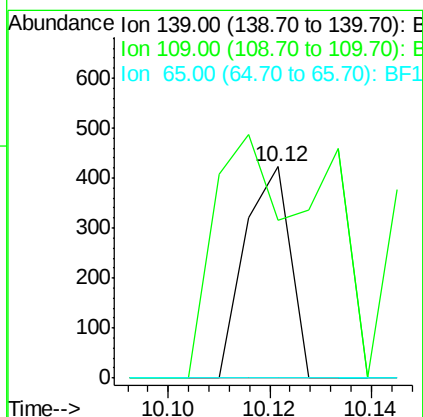
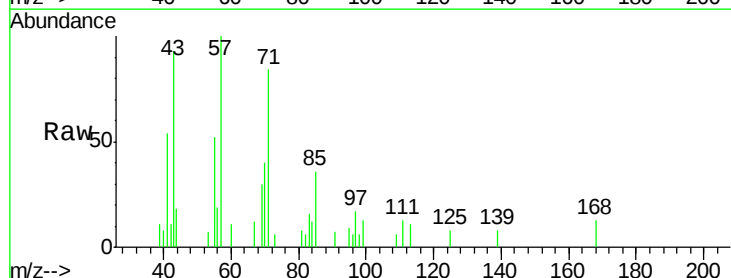
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.9	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.072 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.09 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.5	48.4	88.4
65	0.0	72.6	112.6#

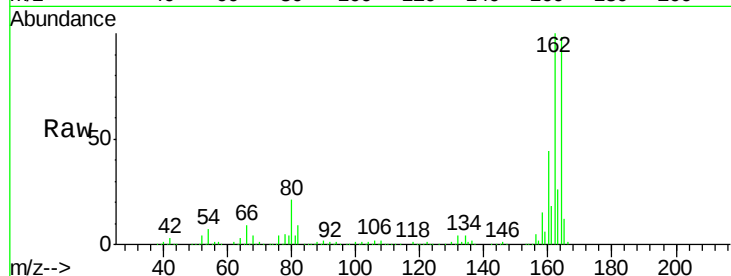




#56
 2,4-Dinitrotoluene
 Concen: 8.969 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	43339
Ion Ratio	Lower	Upper
165	100	
63	1.4	36.4 54.6#
89	1.9	57.8 86.6#
182	0.0	1.6 2.4#

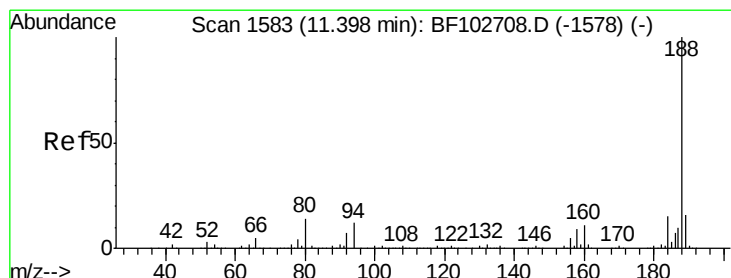
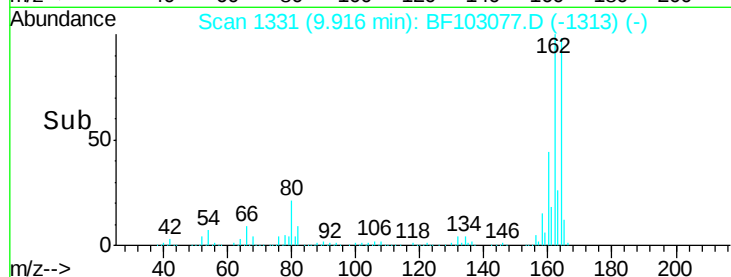
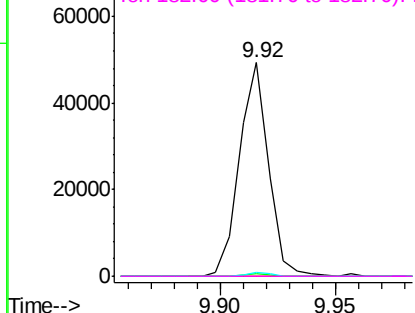


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

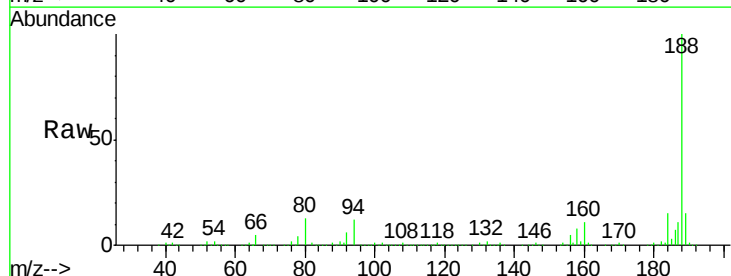
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

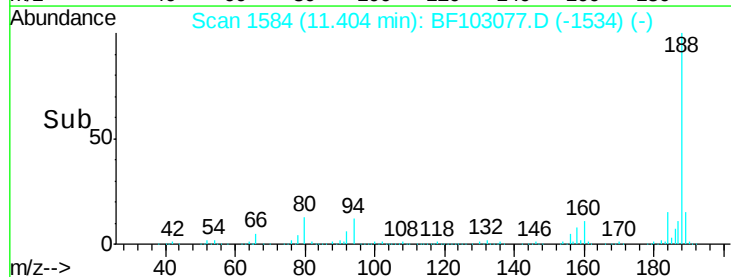
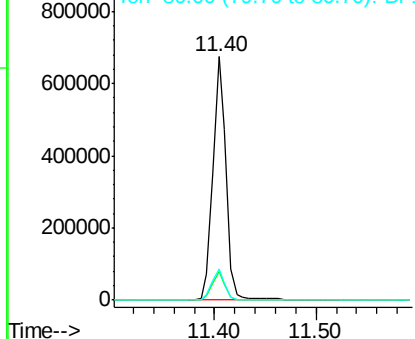
Tgt Ion:188	Resp:	605308
Ion Ratio	Lower	Upper
188	100	
94	11.8	8.5 12.7
80	12.7	9.2 13.8

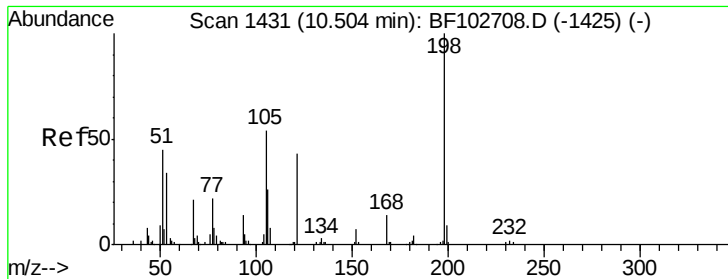


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

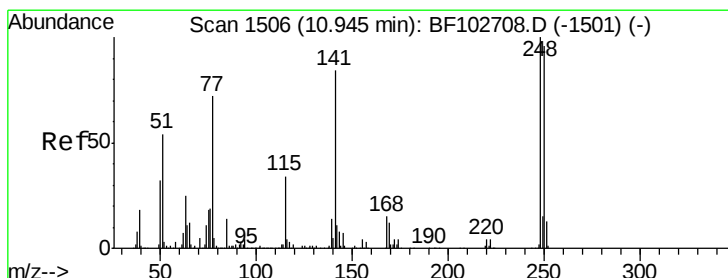
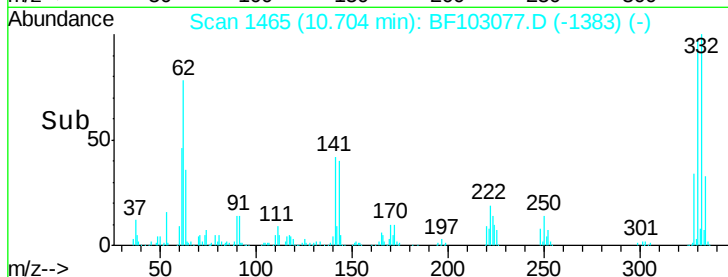
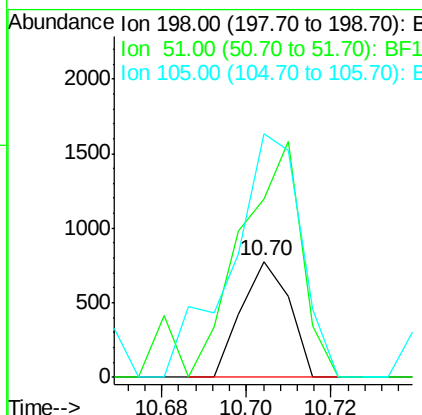
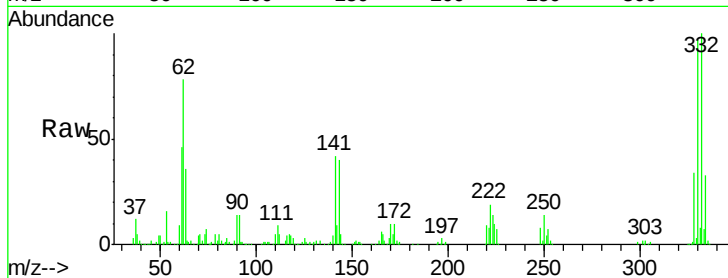




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.018 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

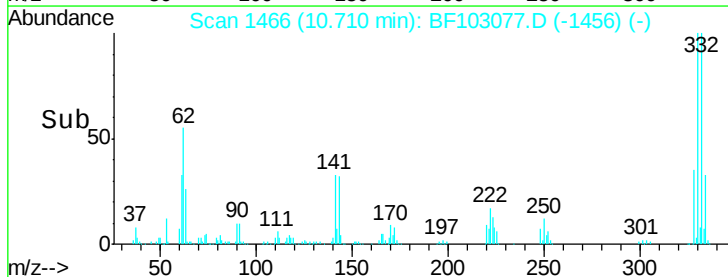
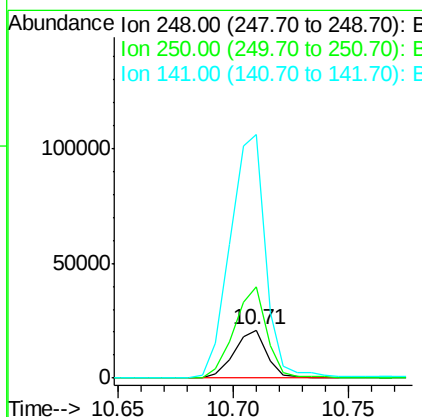
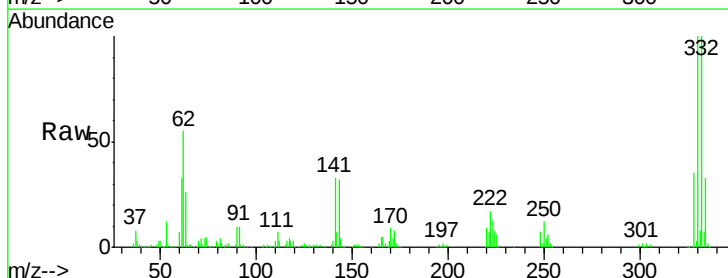
Instrument :
 BNA_F
 ClientSampled :

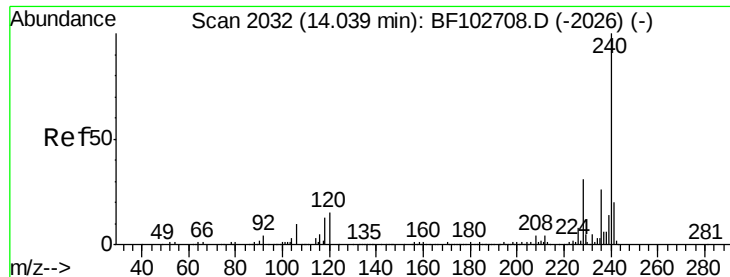
Tot Ion:198 Resp: 616
 Ion Ratio Lower Upper
 198 100
 51 153.9 37.7 77.7#
 105 210.3 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.218 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Tgt Ion:248 Resp: 20607
 Ion Ratio Lower Upper
 248 100
 250 187.9 76.9 115.3#
 141 503.3 74.4 111.6#





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

Instrument :

BNA_F

ClientSampleId :

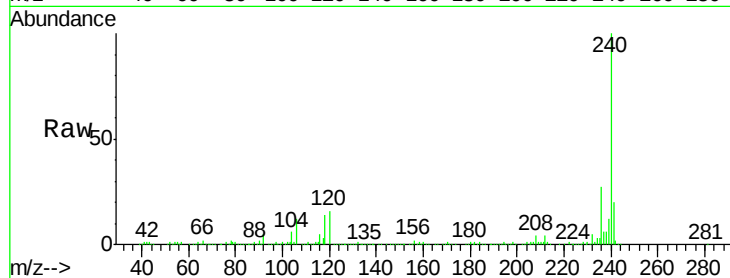
Tot Ion:240 Resp: 417925

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

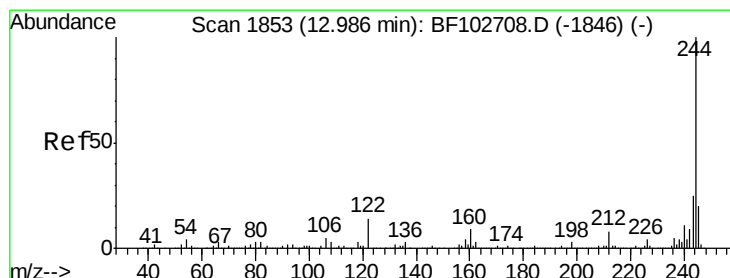
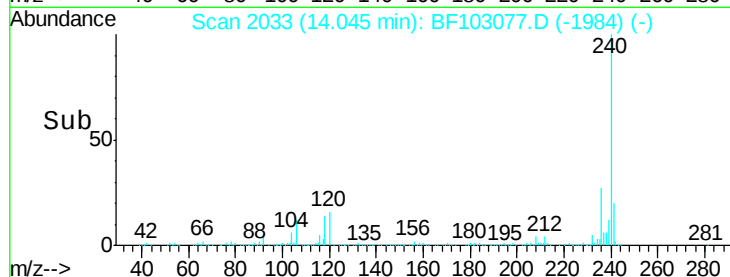
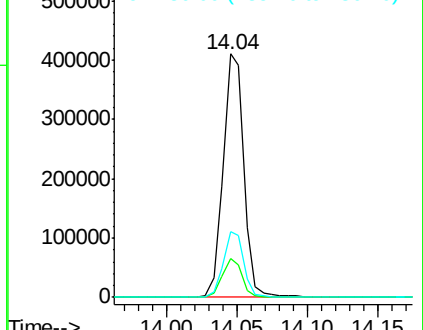
236 26.9 20.7 31.1



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: 68.683 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103077.D

Acq: 19 Feb 2018 12:59

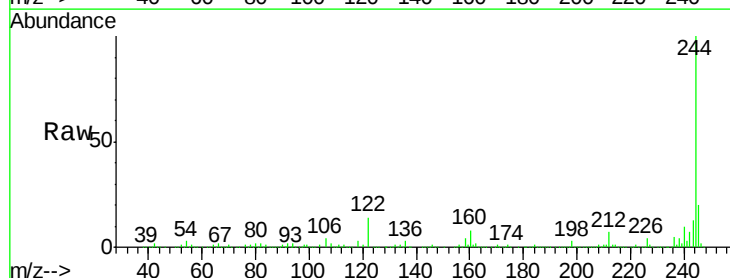
Tgt Ion:244 Resp: 1212293

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

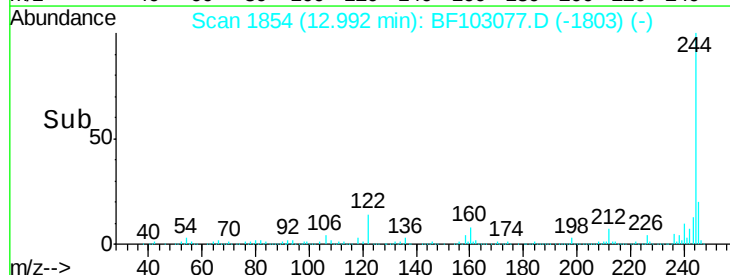
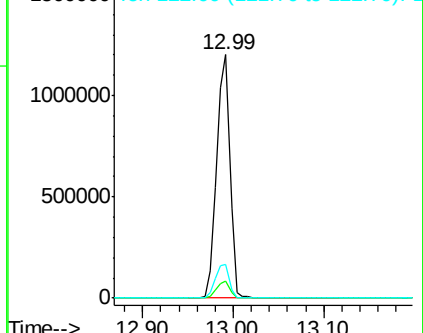
122 13.7 11.0 16.4

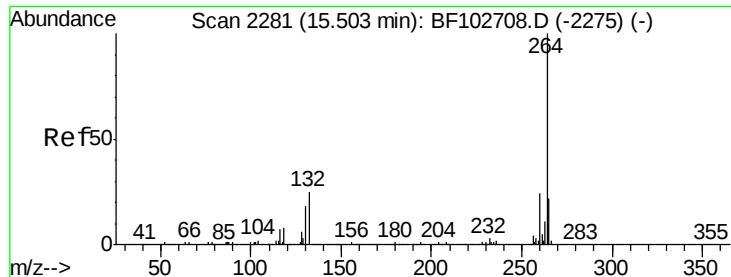


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF103077.D
 Acq: 19 Feb 2018 12:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3

