

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102921.D
 Acq On : 12 Feb 2018 15:34
 Operator : SJ/JU
 Sample : J1516-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 00:07:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

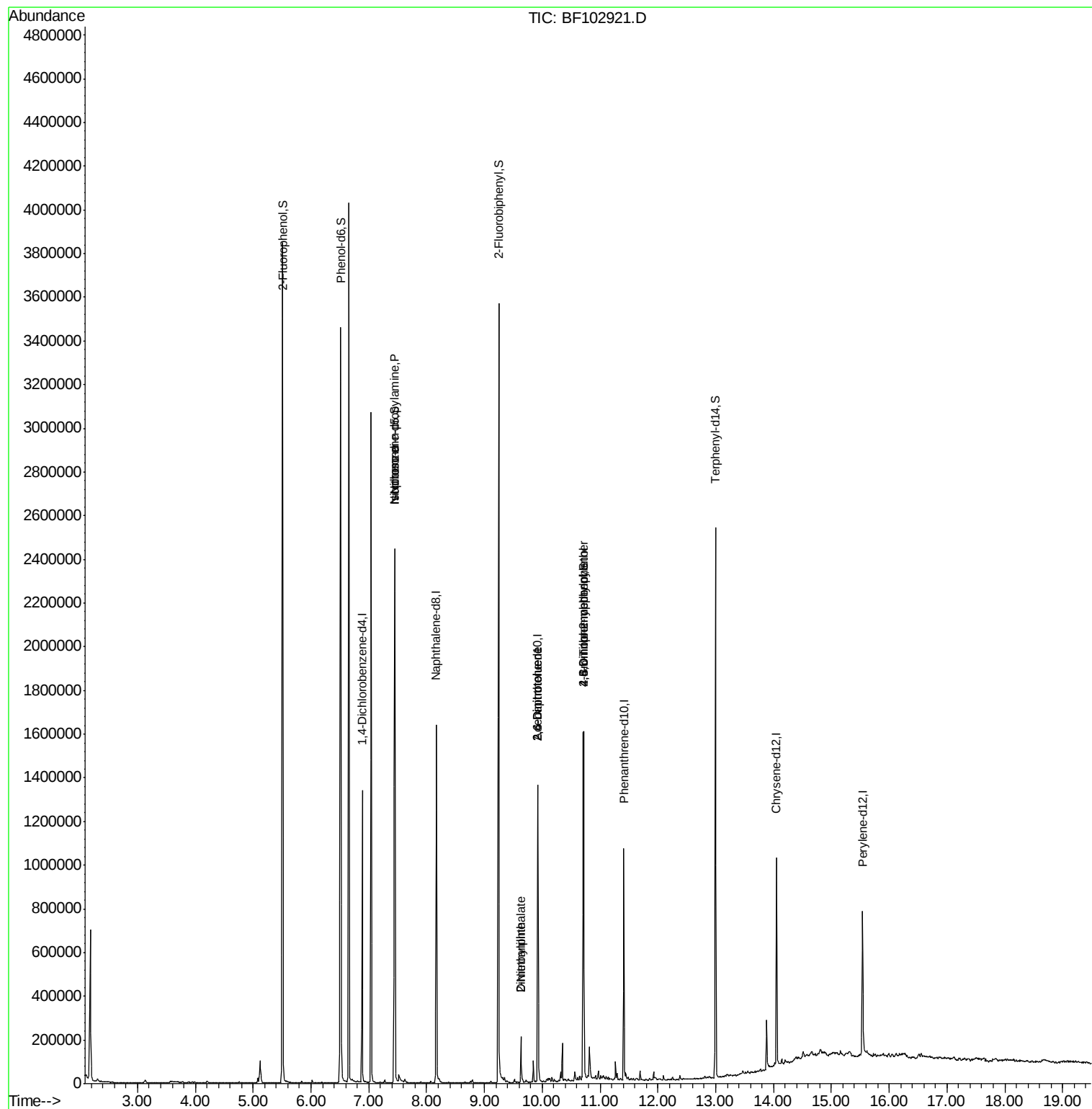
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	173408	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	698012	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	274859	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	372605	20.00	ng	0.00
75) Chrysene-d12	14.05	240	313728	20.00	ng	0.00
86) Perylene-d12	15.54	264	293090	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1090152	95.47	ng	0.02
7) Phenol-d6	6.52	99	1282782	93.30	ng	0.01
23) Nitrobenzene-d5	7.45	82	815036	81.00	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	189781	85.78	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1224150	73.90	ng	0.00
78) Terphenyl-d14	13.00	244	789781	59.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	108950	12.02	ng	# 84
25) Isophorone	7.45	82	815021	35.18	ng	# 64
47) 2-Nitroaniline	9.63	65	645	3.58	ng	# 1
49) Dimethylphthalate	9.63	163	76432	3.57	ng	99
50) 2,6-Dinitrotoluene	9.92	165	34873	8.55	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	34873	9.04	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	399	9.03	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	12477	3.17	ng	# 1

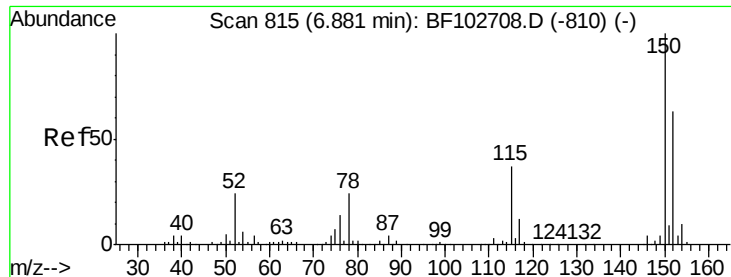
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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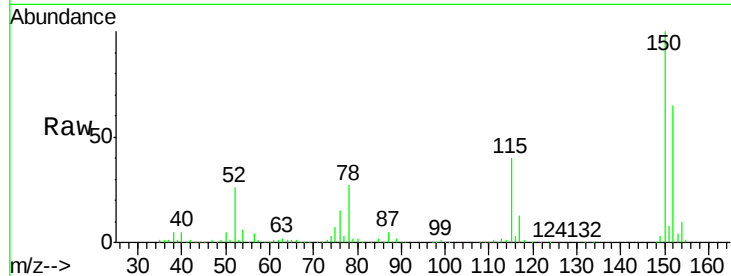


#1

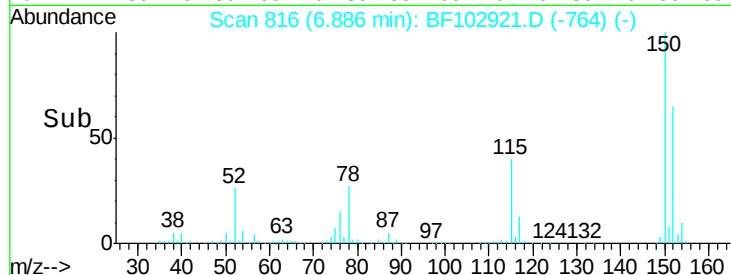
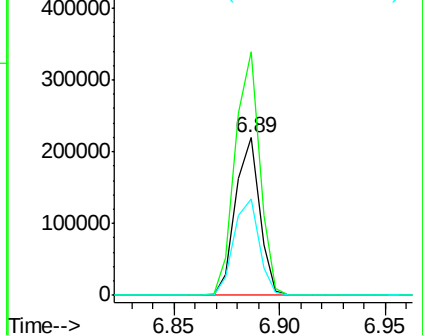
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102921.D
Acq: 12 Feb 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173408
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 61.2 50.1 75.1



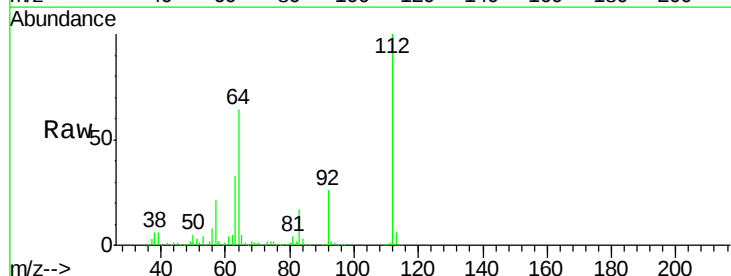
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



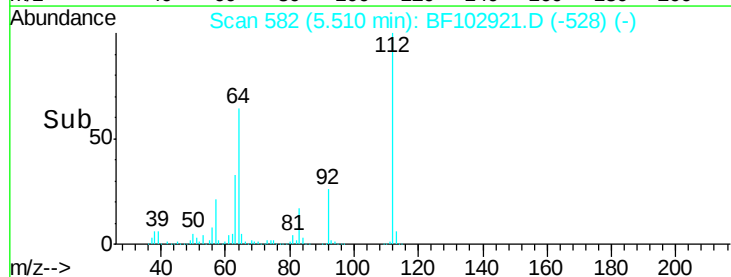
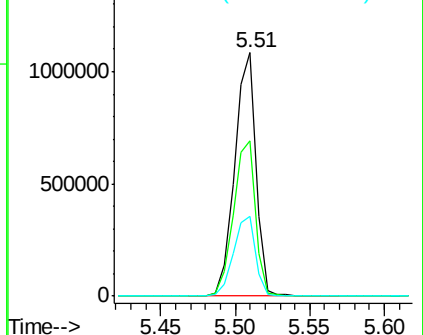
#5

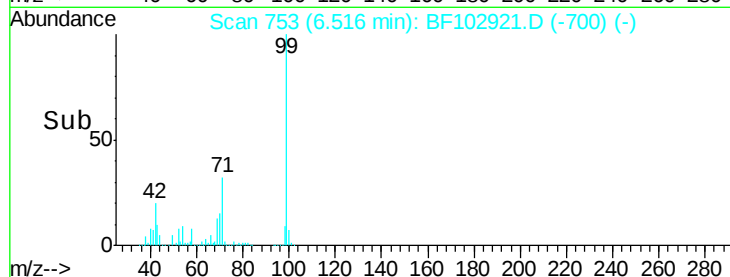
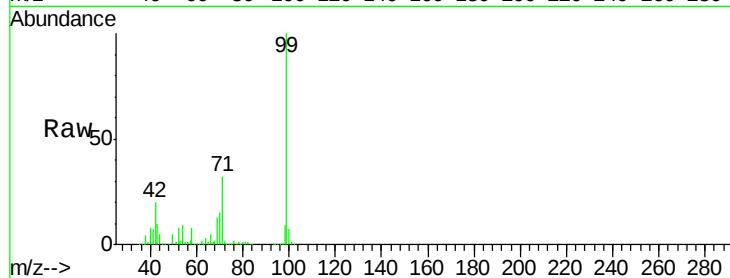
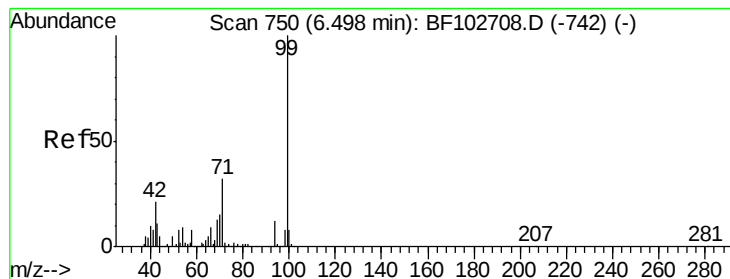
2-Fluorophenol
Concen: 95.47 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102921.D
Acq: 12 Feb 2018 15:34

Tgt Ion:112 Resp: 1090152
Ion Ratio Lower Upper
112 100
64 63.9 47.9 71.9
63 32.9 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: 93.30 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampleId :

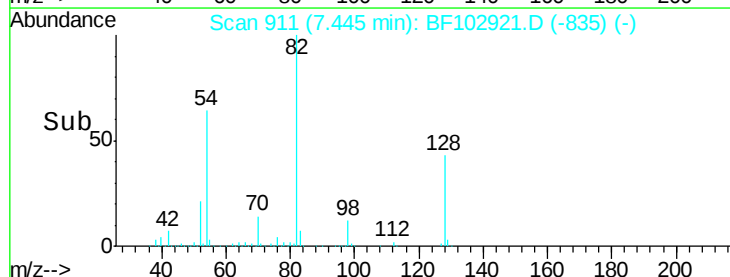
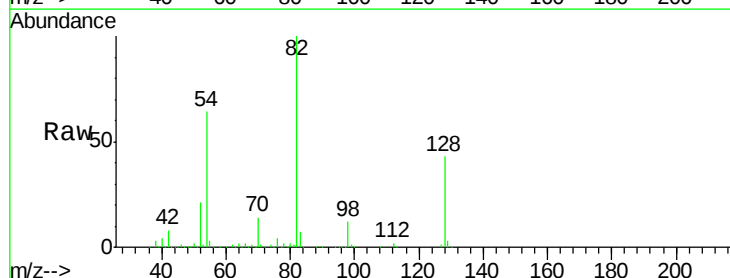
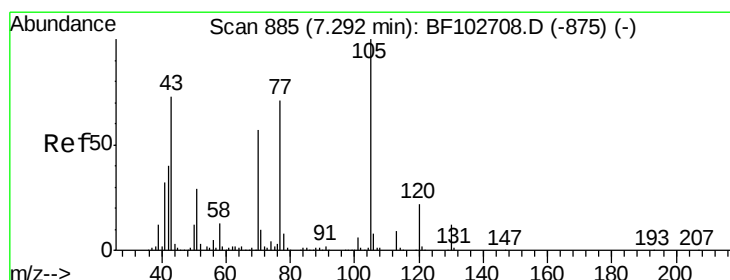
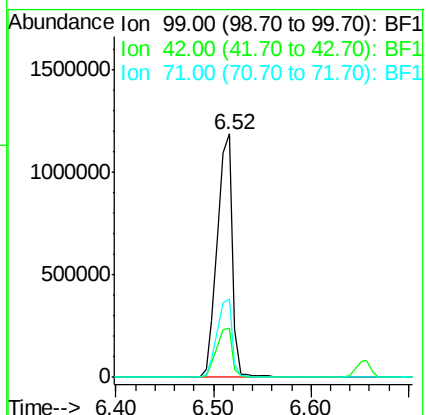
Tot Ion: 99 Resp: 1282782

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.02 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Tgt Ion: 70 Resp: 108950

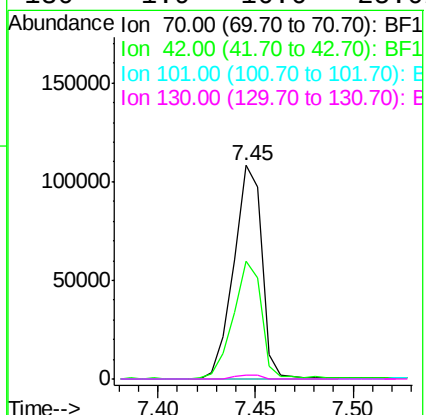
Ion Ratio Lower Upper

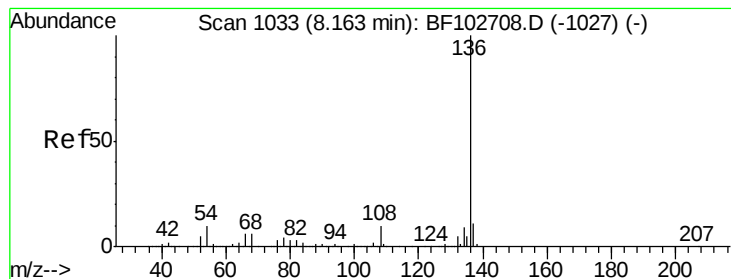
70 100

42 55.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 698012

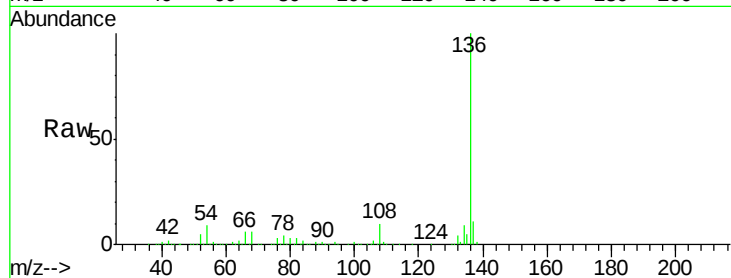
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.3 6.6 9.8

68 6.4 5.0 7.4

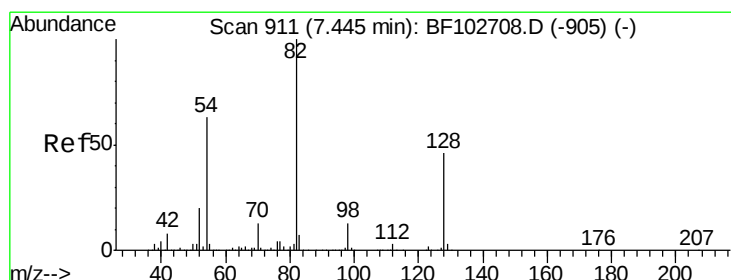
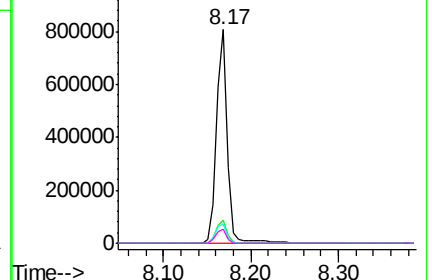
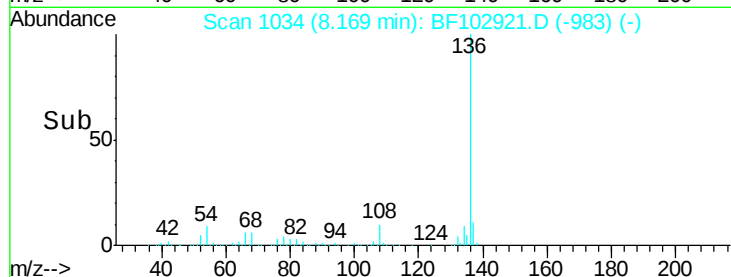


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.00 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

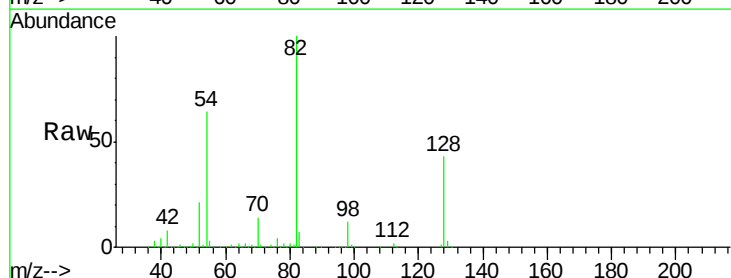
Tgt Ion: 82 Resp: 815036

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

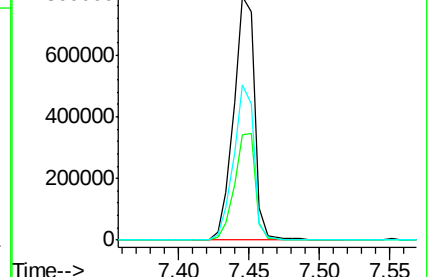
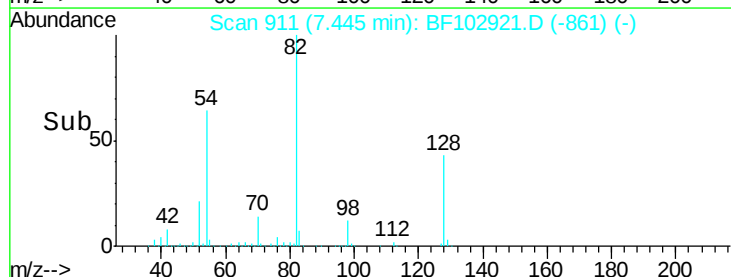
54 63.8 41.4 62.2#

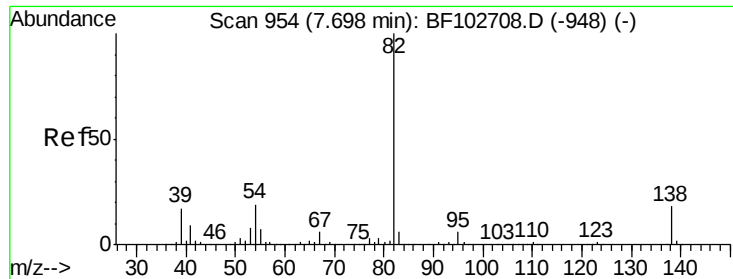


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.18 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampleId :

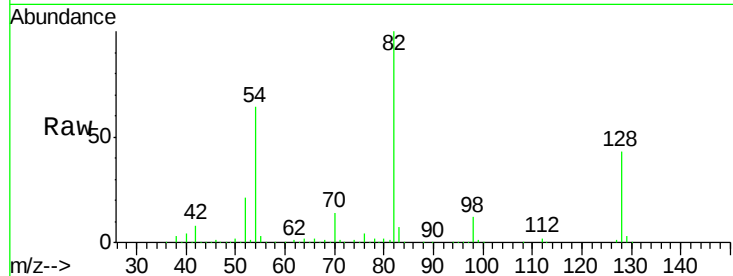
Tot Ion: 82 Resp: 815021

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

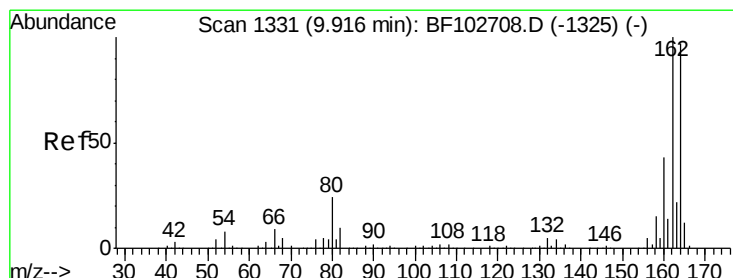
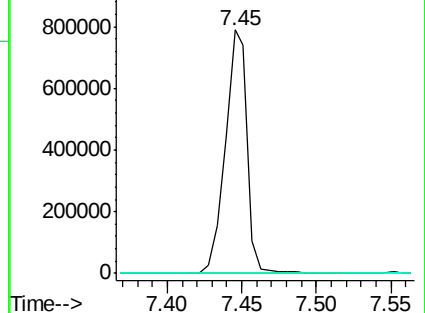
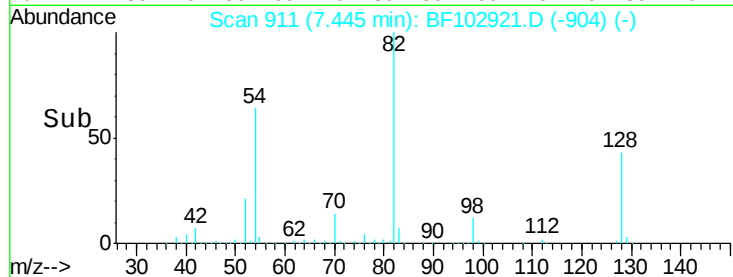
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

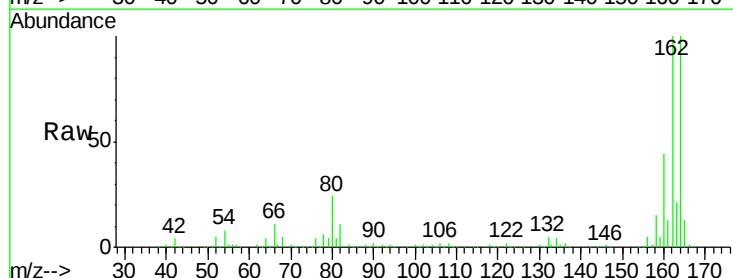
Tgt Ion: 164 Resp: 274859

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

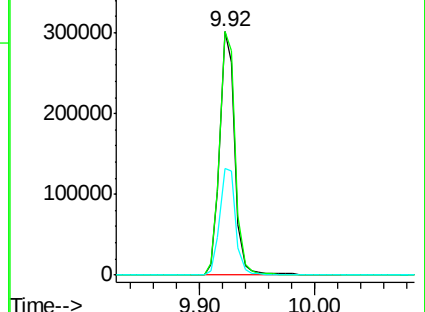
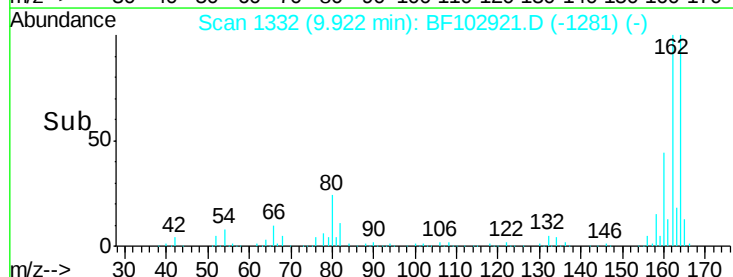
160 43.9 38.3 57.5

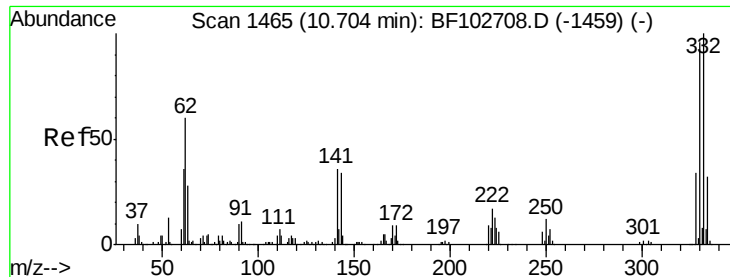


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 85.78 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampleId :

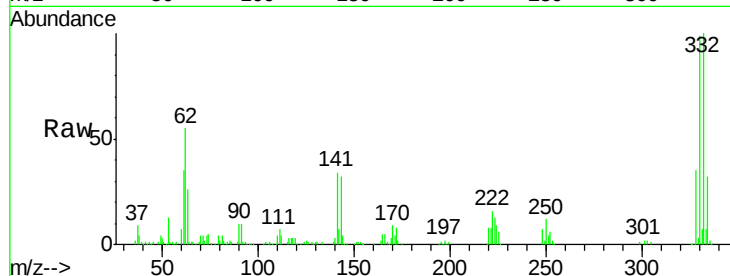
Tot Ion:330 Resp: 189781

Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

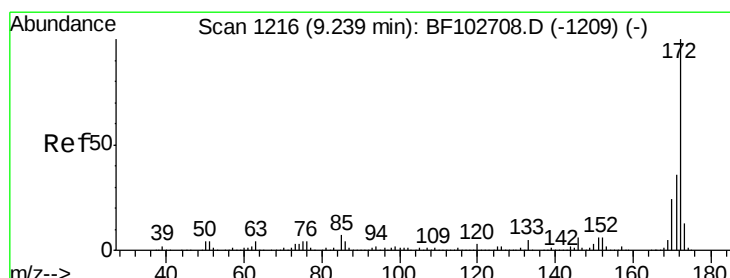
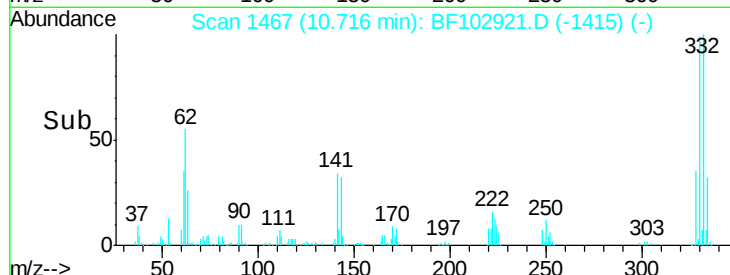
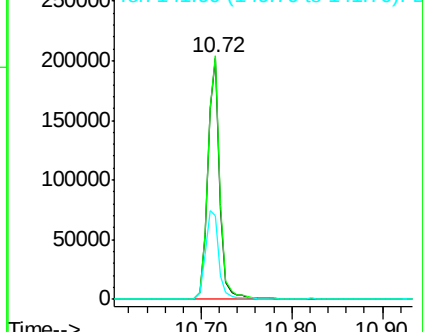
141 42.1 29.9 44.9



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: 73.90 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

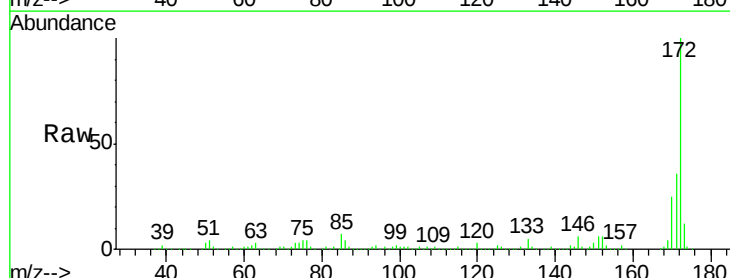
Tgt Ion:172 Resp: 1224150

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

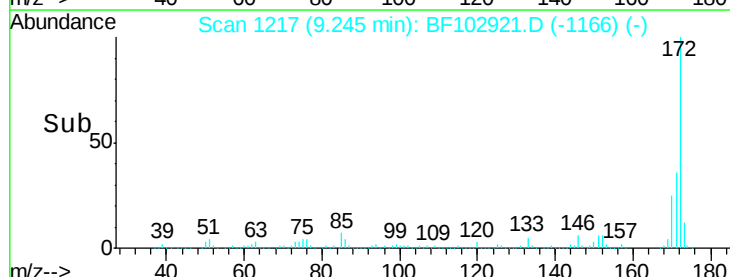
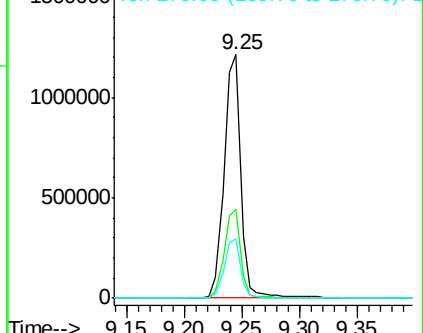
170 24.5 19.6 29.4



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: 3.58 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampleId :

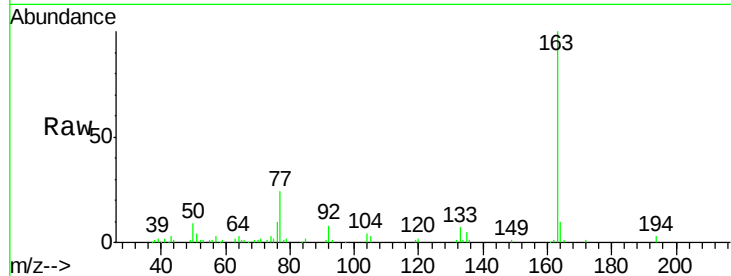
Tot Ion: 65 Resp: 645

Ion Ratio Lower Upper

65 100

92 823.0 55.8 83.6#

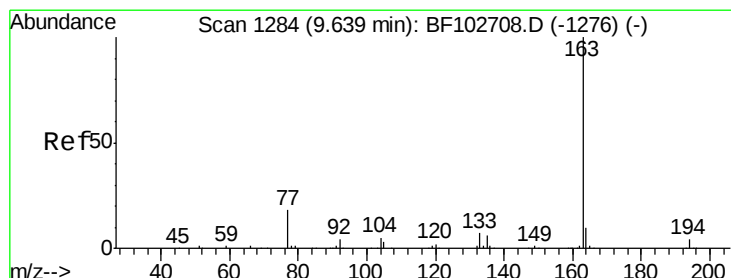
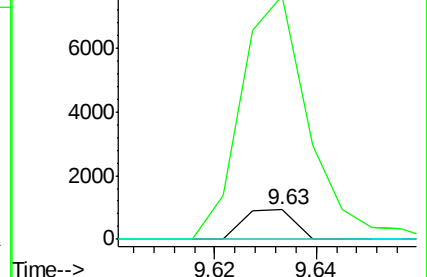
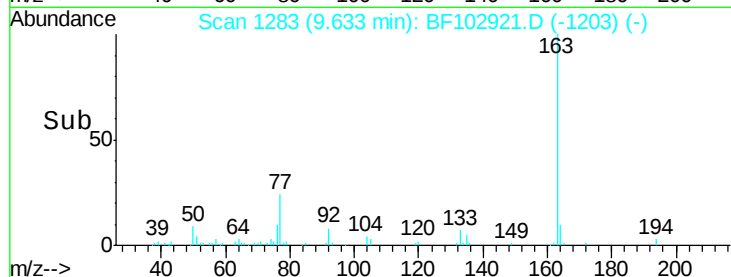
138 0.0 91.2 136.8#



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: 3.57 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

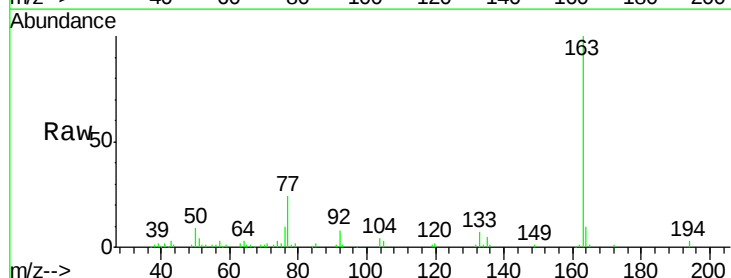
Tgt Ion: 163 Resp: 76432

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

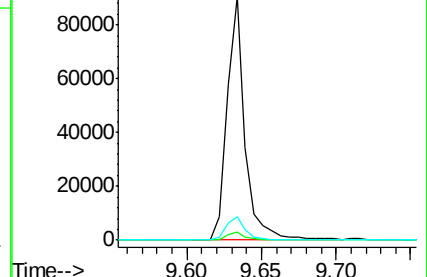
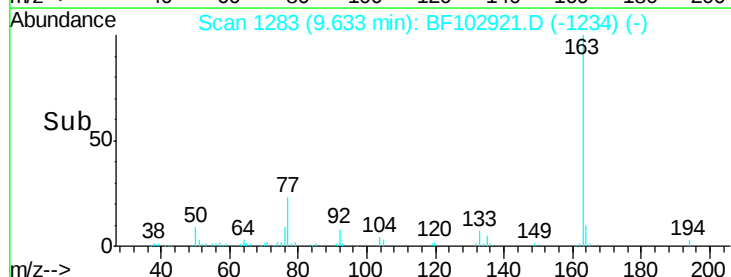
164 9.8 8.2 12.2

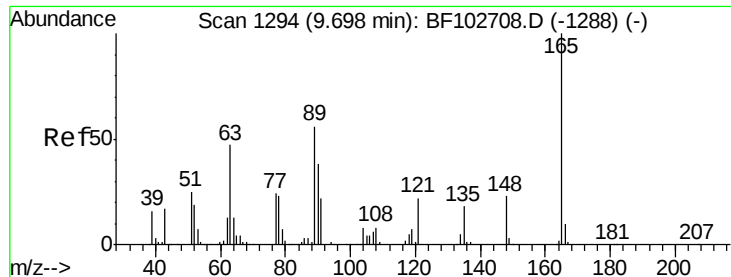


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

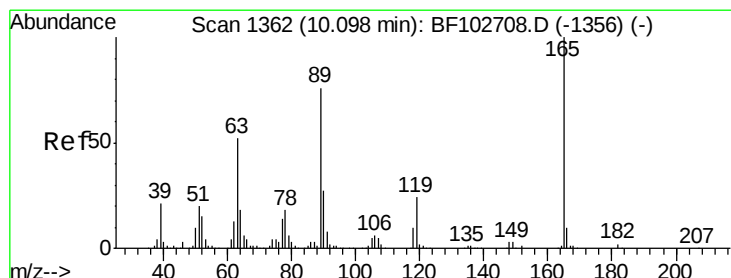
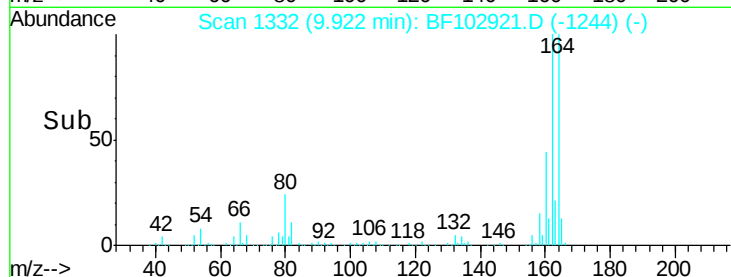
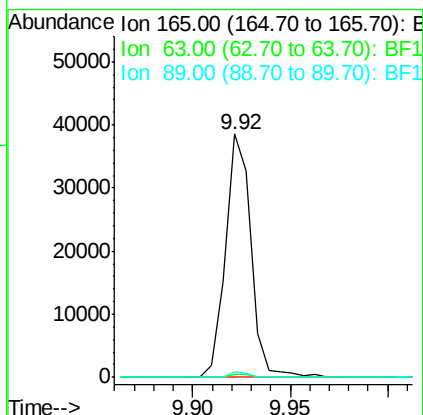
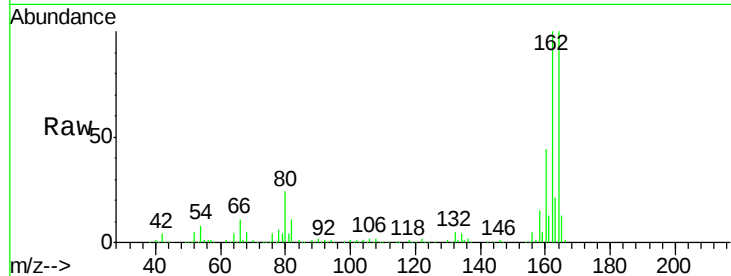




#50
 2,6-Dinitrotoluene
 Concen: 8.55 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102921.D
 Acq: 12 Feb 2018 15:34

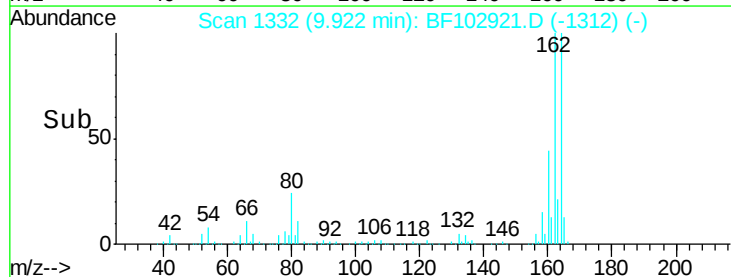
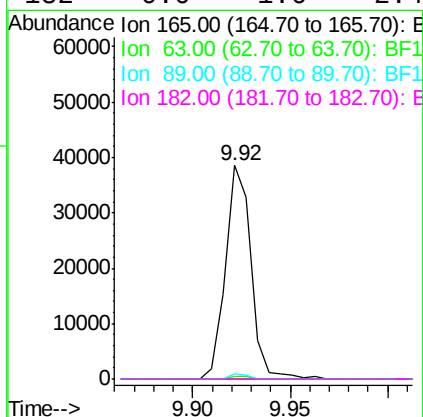
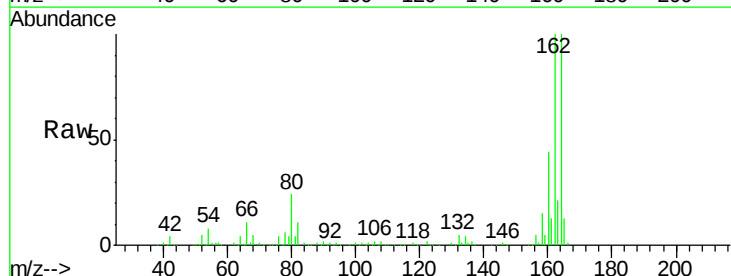
Instrument :
 BNA_F
 ClientSampled :

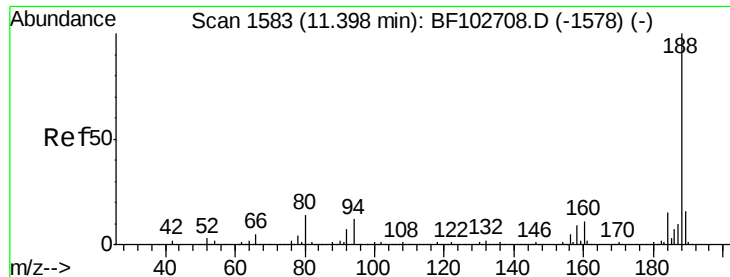
Tot Ion	165	Resp	34873
Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	2.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.04 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102921.D
 Acq: 12 Feb 2018 15:34

Tgt Ion	165	Resp	34873
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

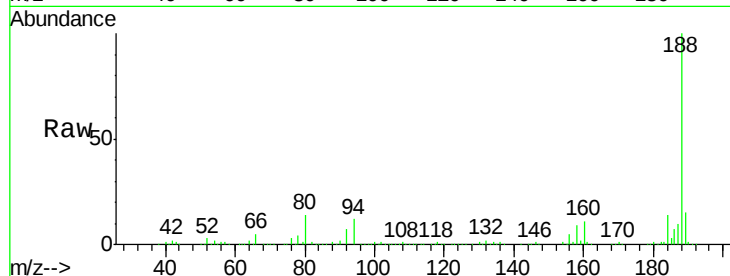




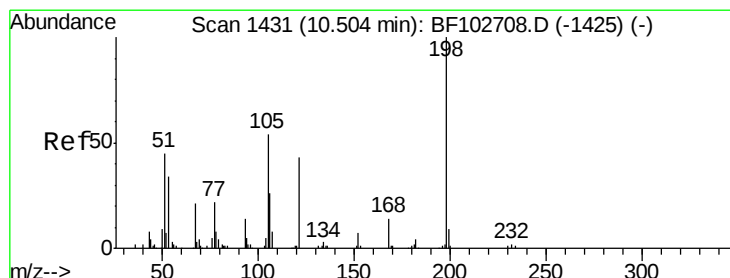
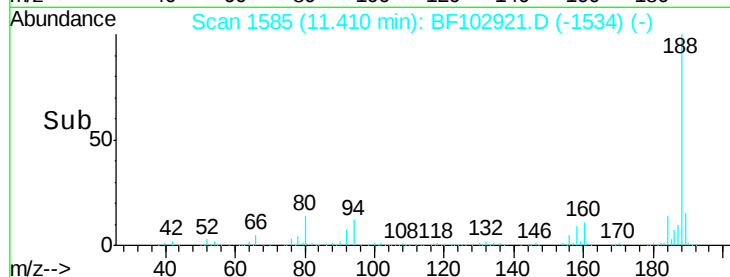
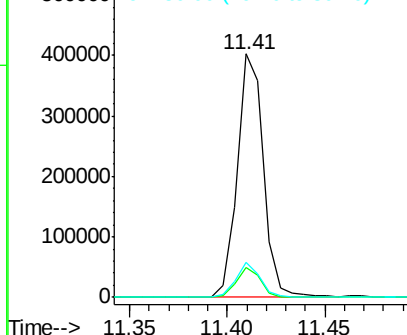
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102921.D
Acq: 12 Feb 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 372605
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 14.3 9.2 13.8#

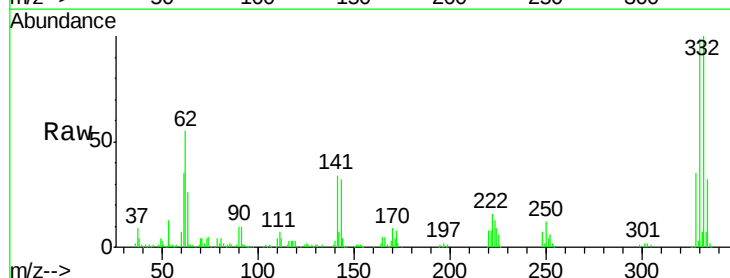


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

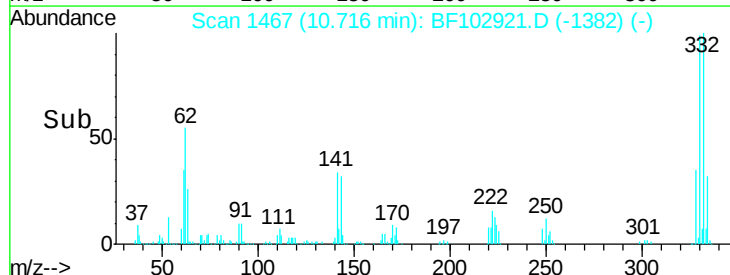
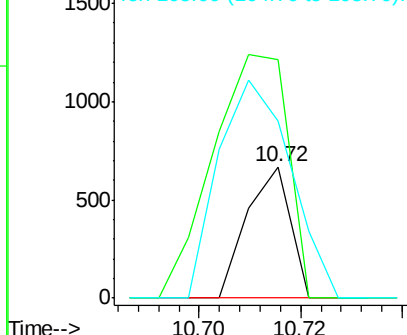


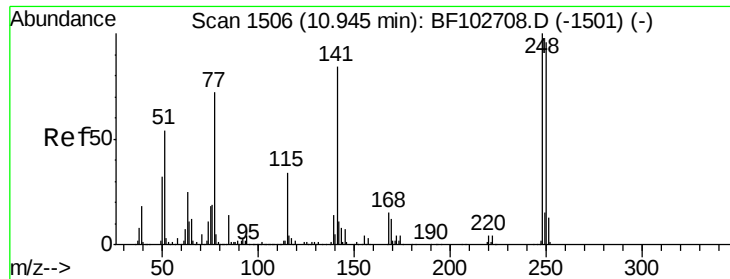
#64
4,6-Dinitro-2-methylphenol
Concen: 9.03 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF102921.D
Acq: 12 Feb 2018 15:34

Tgt Ion:198 Resp: 399
Ion Ratio Lower Upper
198 100
51 180.7 37.7 77.7#
105 134.8 36.3 76.3#



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

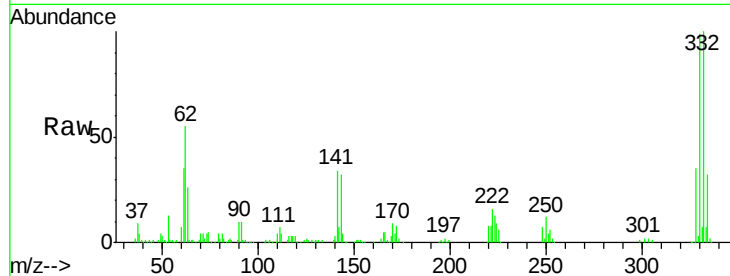




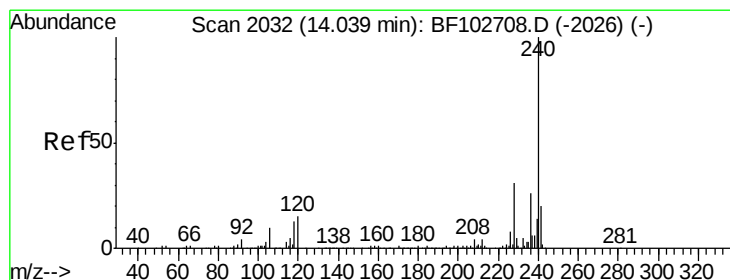
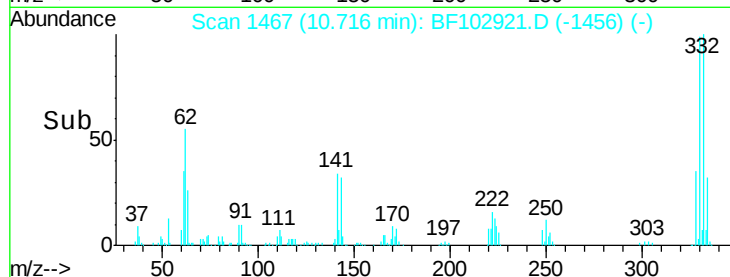
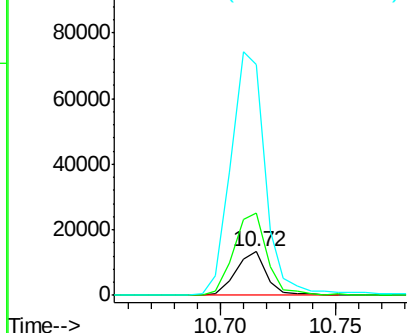
#66
 4-Bromophenyl-phenylether
 Concen: 3.17 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102921.D
 Acq: 12 Feb 2018 15:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12477
 Ion Ratio Lower Upper
 248 100
 250 190.3 76.9 115.3#
 141 529.8 74.4 111.6#

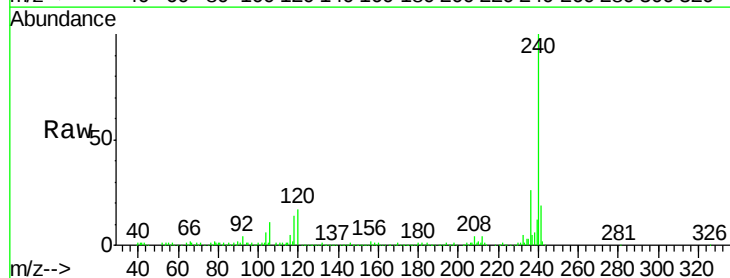


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

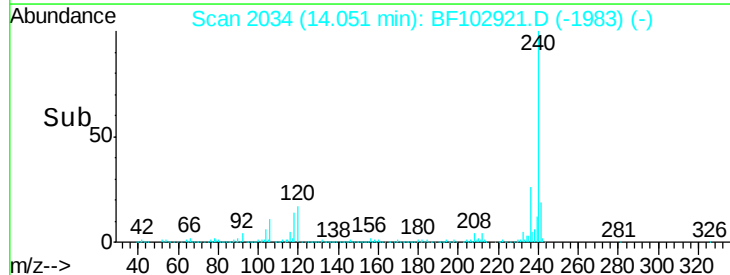
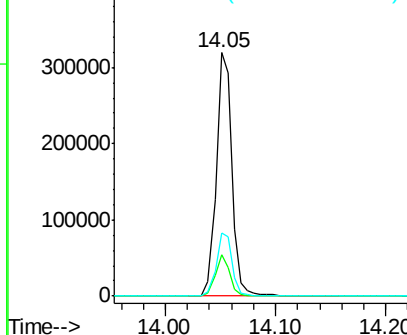


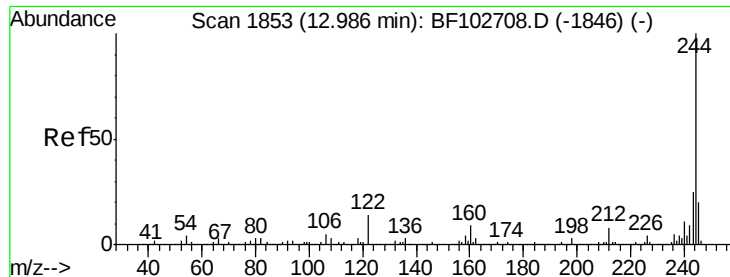
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF102921.D
 Acq: 12 Feb 2018 15:34

Tgt Ion:240 Resp: 313728
 Ion Ratio Lower Upper
 240 100
 120 17.0 9.5 14.3#
 236 26.1 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: 59.61 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Instrument :

BNA_F

ClientSampled :

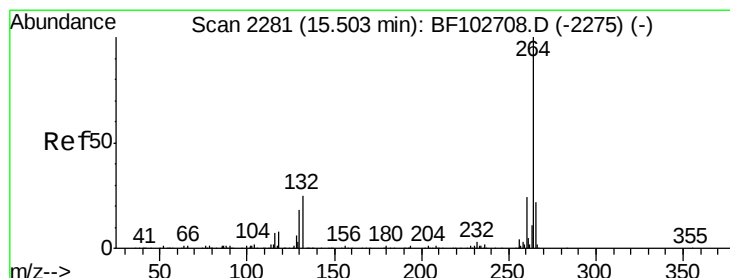
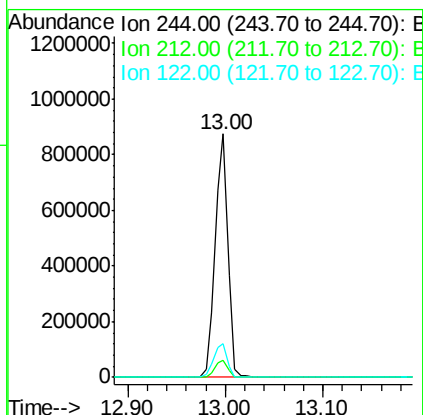
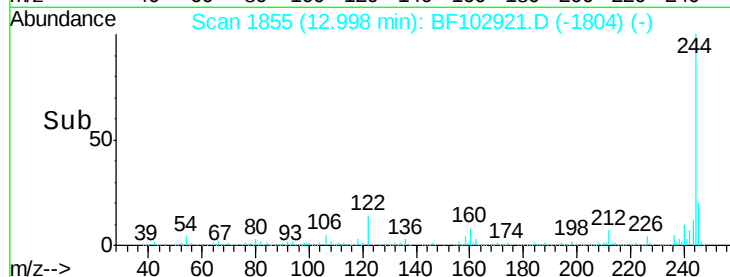
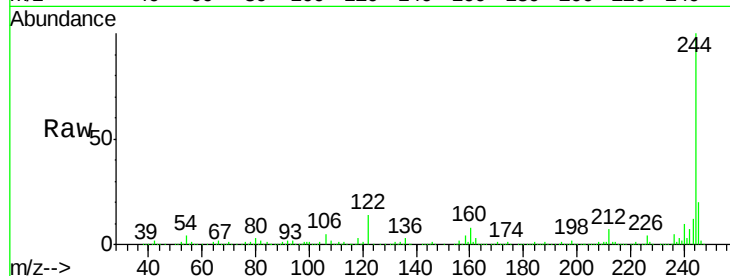
Tot Ion:244 Resp: 789781

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 13.9 11.0 16.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102921.D

Acq: 12 Feb 2018 15:34

Tgt Ion:264 Resp: 293090

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 22.0 17.5 26.3

