

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102894.D
 Acq On : 9 Feb 2018 17:43
 Operator : SJ/JU
 Sample : PB106115BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 22:07:32 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

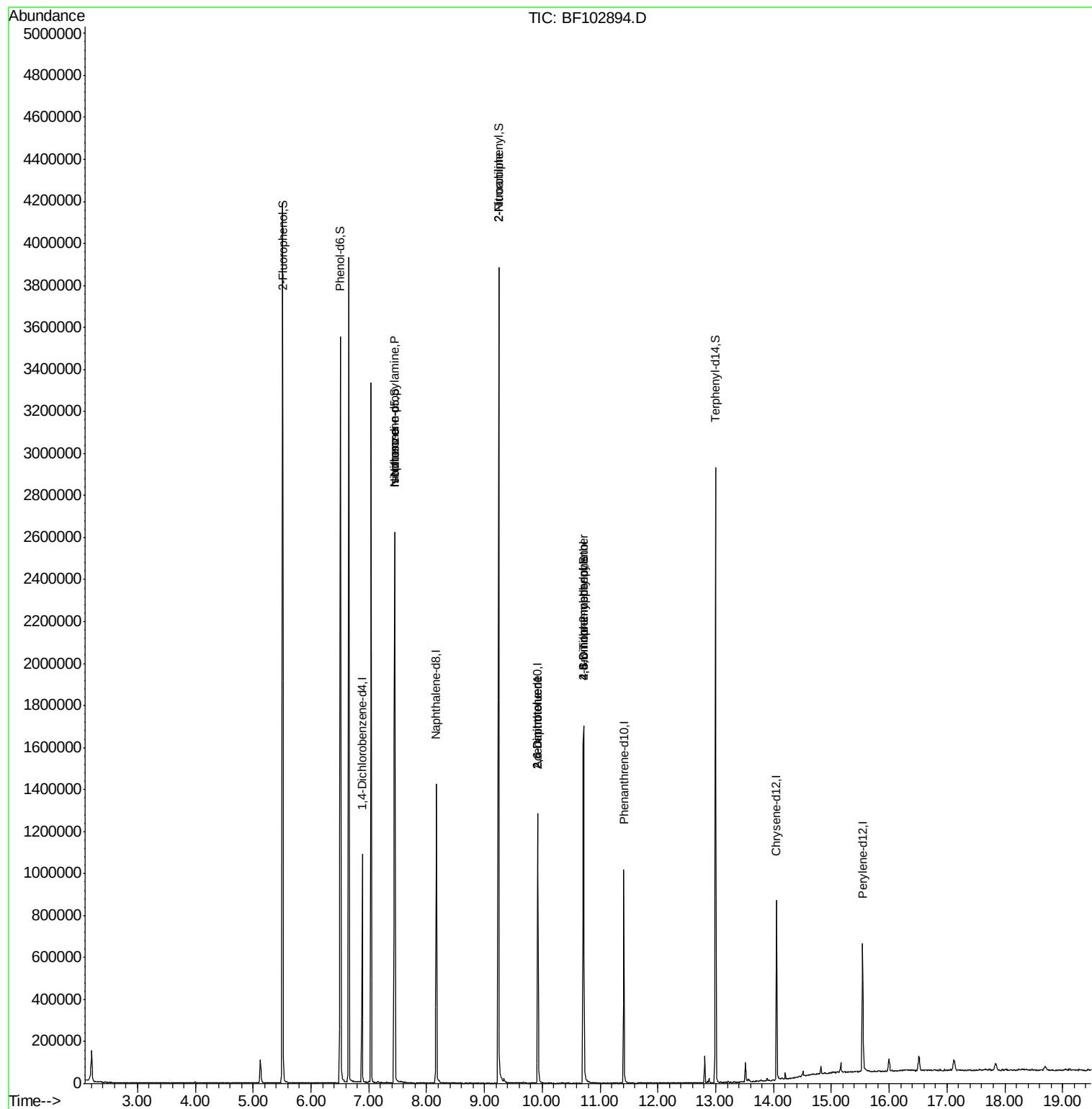
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	151090	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	617297	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	248390	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	361067	20.00	ng	0.00
75) Chrysene-d12	14.05	240	287762	20.00	ng	0.00
86) Perylene-d12	15.54	264	268529	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1133581	113.94	ng	0.02
7) Phenol-d6	6.51	99	1332154	111.21	ng	0.00
23) Nitrobenzene-d5	7.45	82	868147	97.56	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	197895	98.98	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1341798	89.64	ng	0.00
78) Terphenyl-d14	13.00	244	945330	77.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	116510	14.75	ng	# 86
25) Isophorone	7.45	82	868131	42.37	ng	# 64
47) 2-Nitroaniline	9.24	65	2649	3.96	ng	# 4
50) 2,6-Dinitrotoluene	9.92	165	31927	8.66	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	31927	9.12	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	342	9.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	13806	3.61	ng	# 1

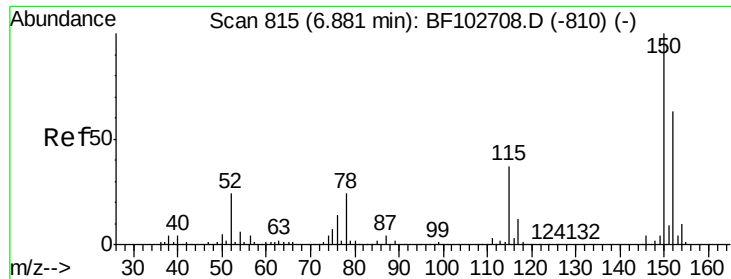
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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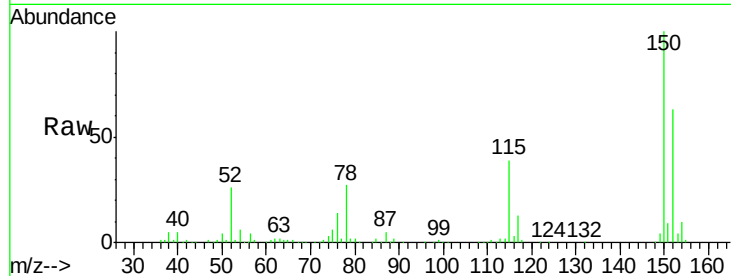


#1

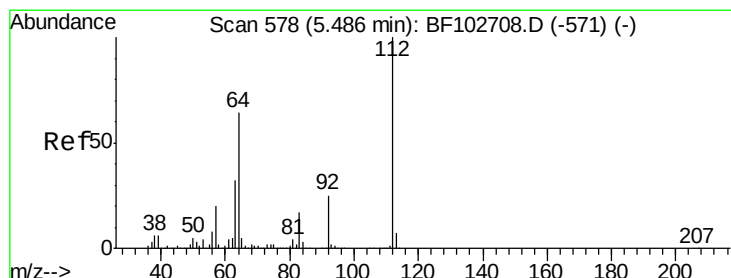
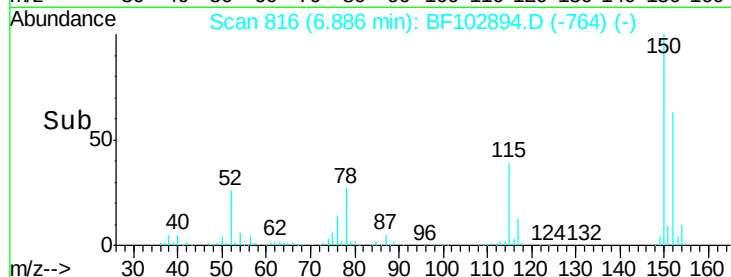
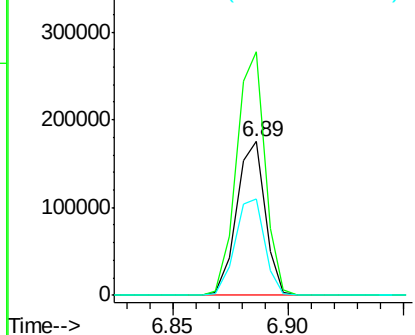
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102894.D
Acq: 9 Feb 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151090
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 62.5 50.1 75.1



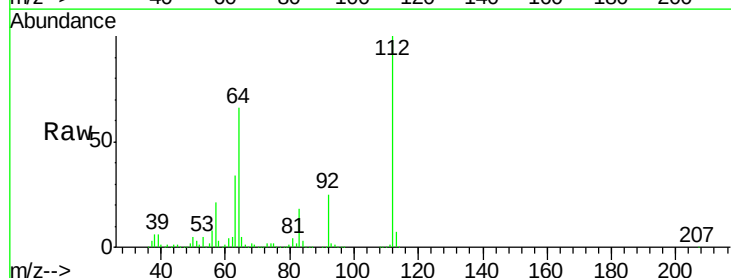
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



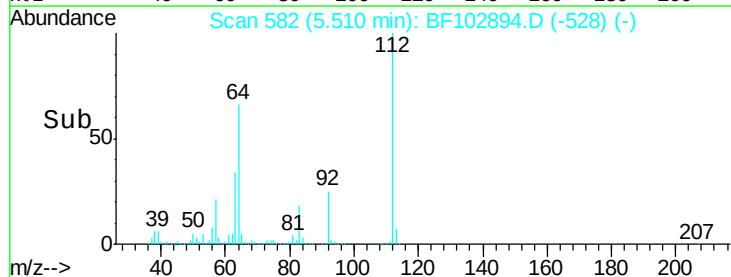
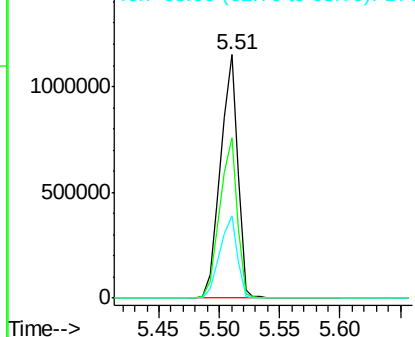
#5

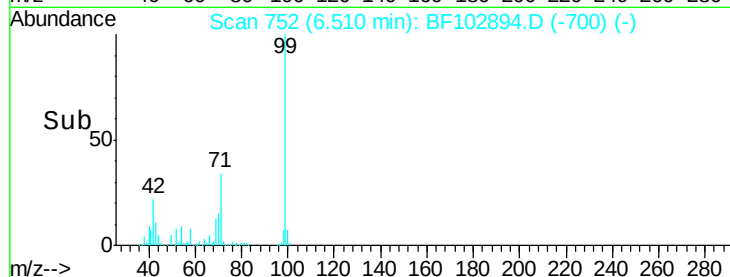
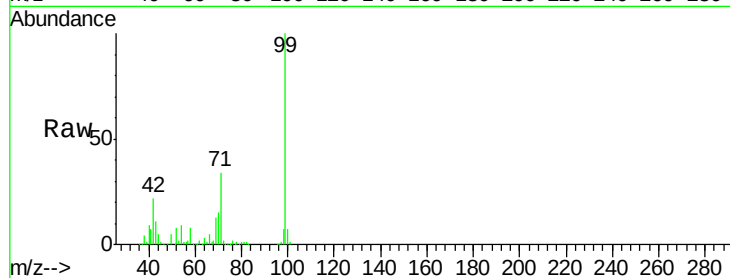
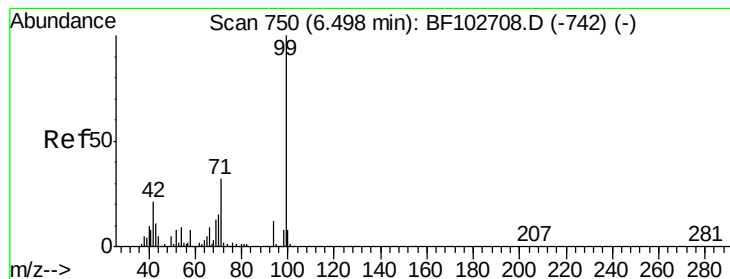
2-Fluorophenol
Concen: 113.94 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102894.D
Acq: 9 Feb 2018 17:43

Tgt Ion:112 Resp: 1133581
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 33.8 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: 111.21 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

Instrument :

BNA_F

ClientSampleId :

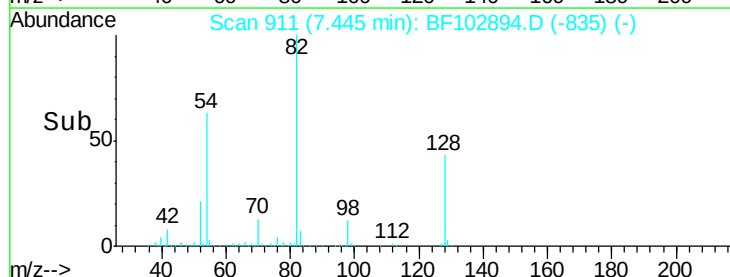
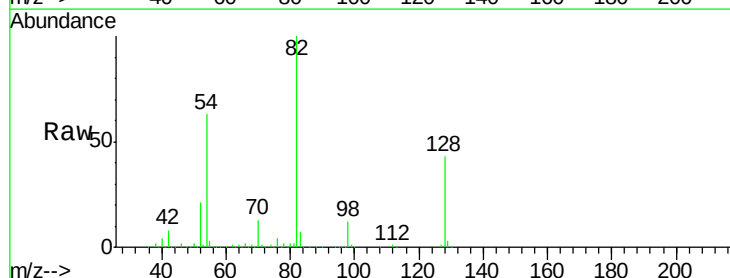
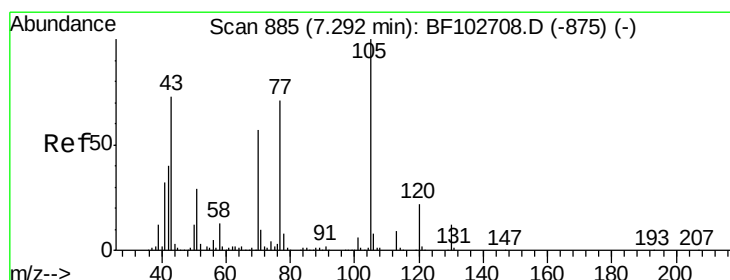
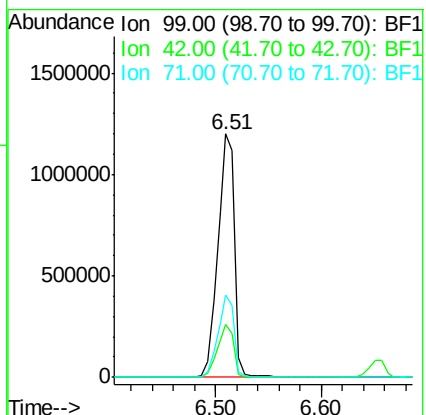
Tot Ion: 99 Resp: 1332154

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.75 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

Tgt Ion: 70 Resp: 116510

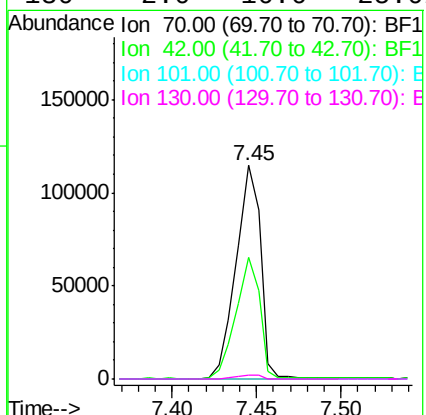
Ion Ratio Lower Upper

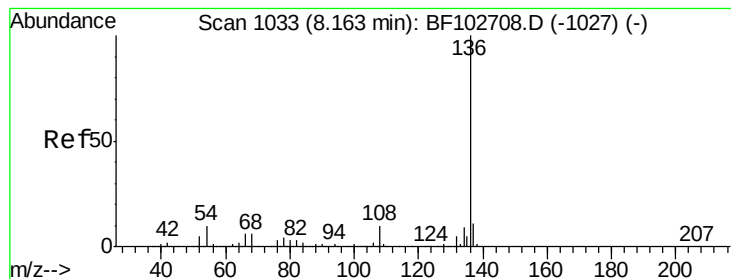
70 100

42 56.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF102894.D

Acq: 9 Feb 2018 17:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 617297

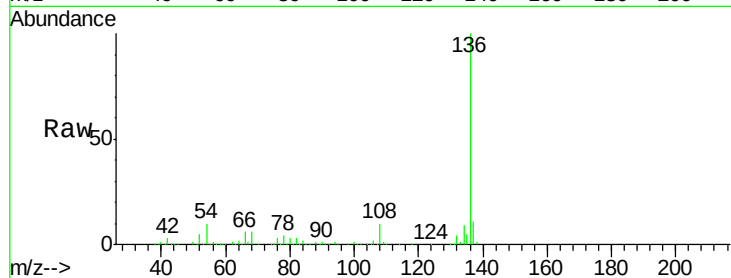
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.5 6.6 9.8

68 6.4 5.0 7.4

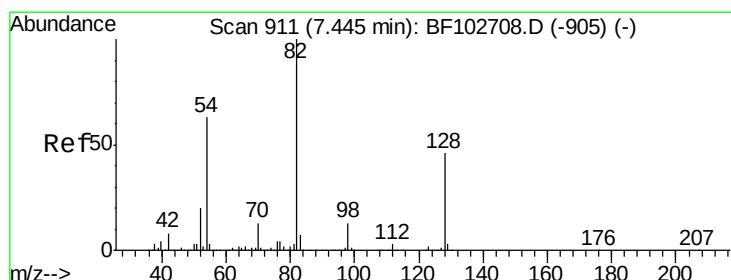
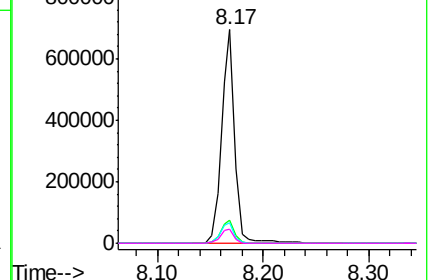
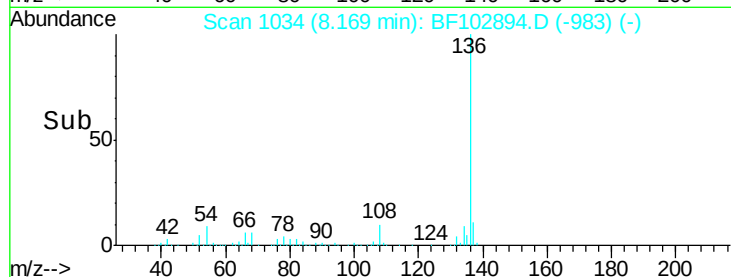


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.56 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

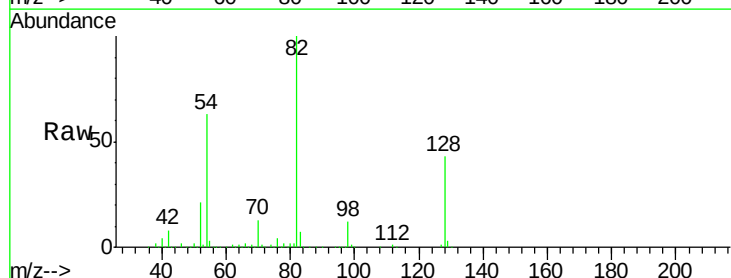
Tgt Ion: 82 Resp: 868147

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

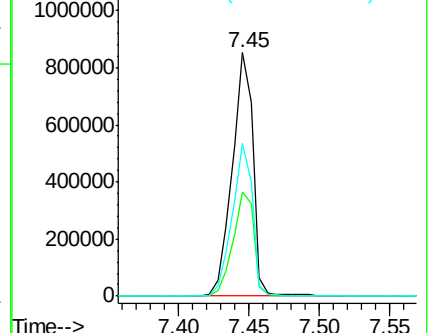
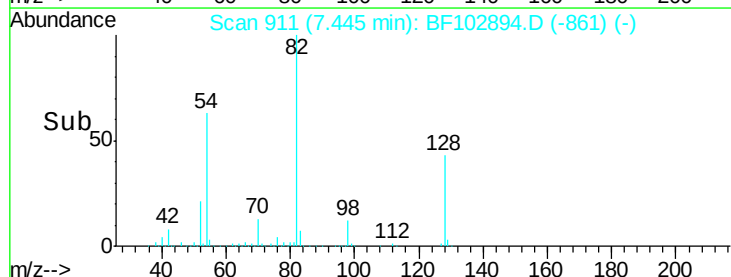
54 62.8 41.4 62.2#

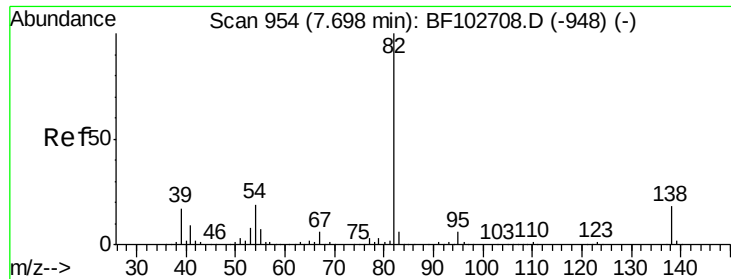


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.37 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

Instrument :

BNA_F

ClientSampleId :

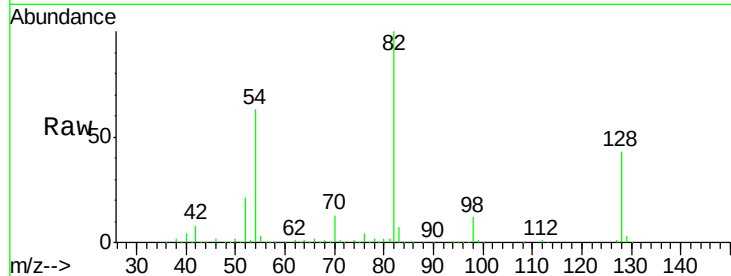
Tot Ion: 82 Resp: 868131

Ion Ratio Lower Upper

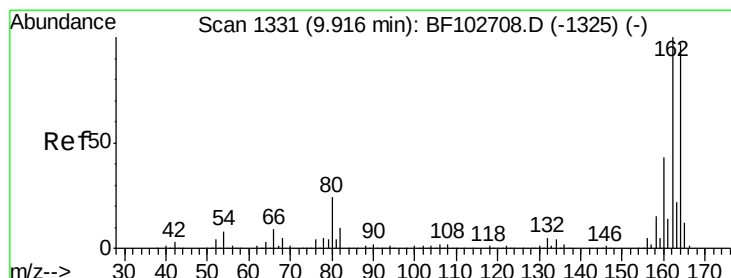
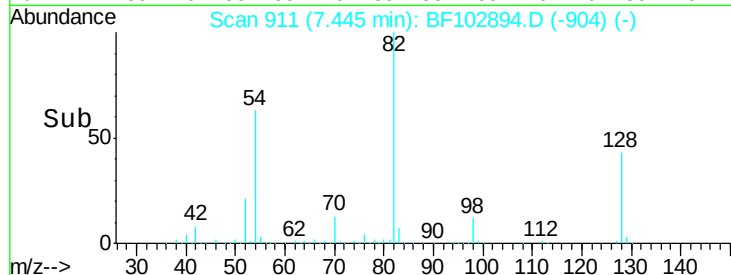
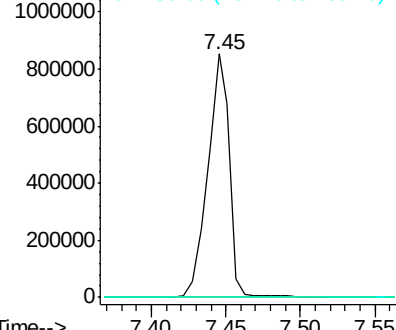
82 100

95 0.1 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: BF102894.D

Acq: 9 Feb 2018 17:43

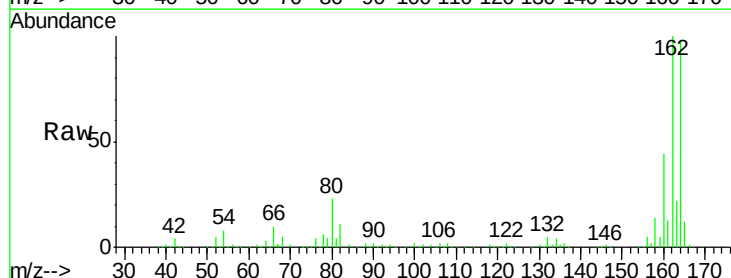
Tgt Ion: 164 Resp: 248390

Ion Ratio Lower Upper

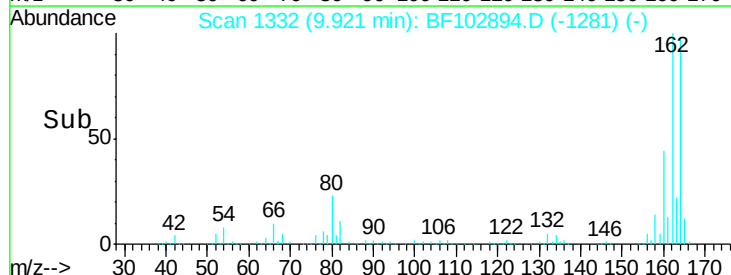
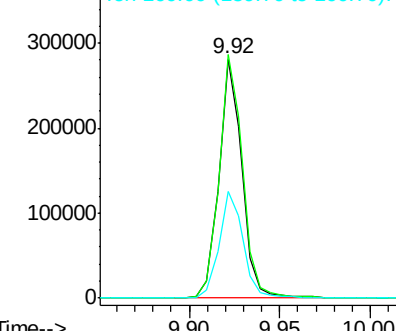
164 100

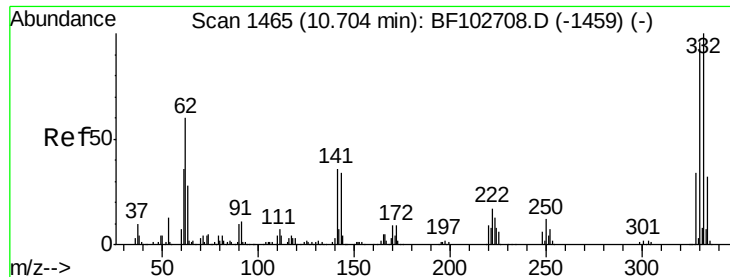
162 102.1 86.1 129.1

160 44.5 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: 98.98 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

Instrument :

BNA_F

ClientSampleId :

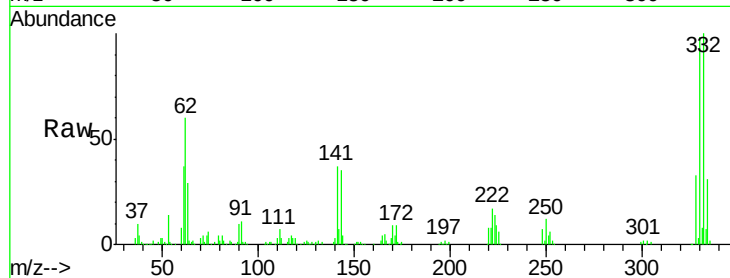
Tot Ion:330 Resp: 197895

Ion Ratio Lower Upper

330 100

332 103.1 77.0 115.6

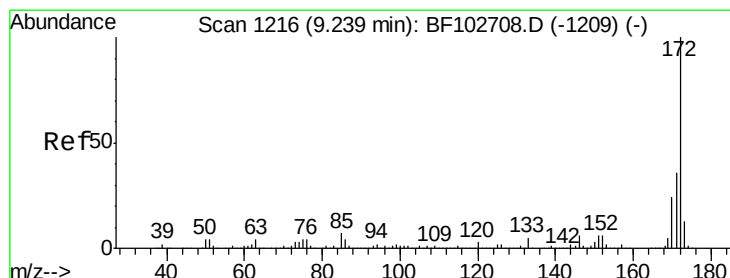
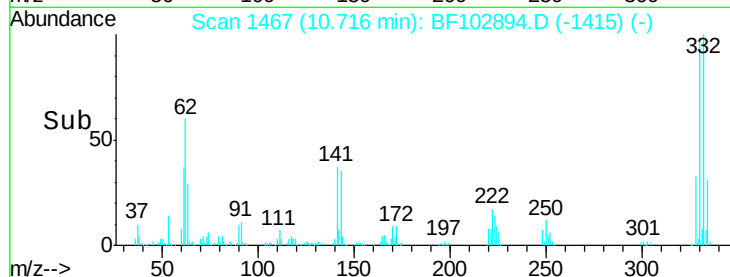
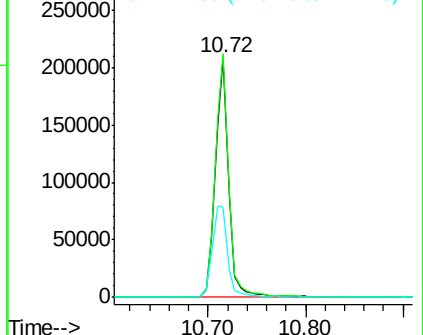
141 43.5 29.9 44.9



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: 89.64 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

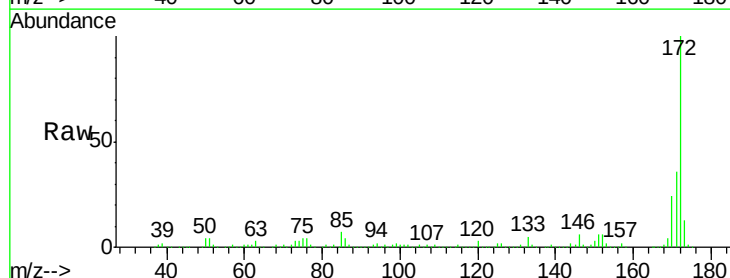
Tgt Ion:172 Resp: 1341798

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

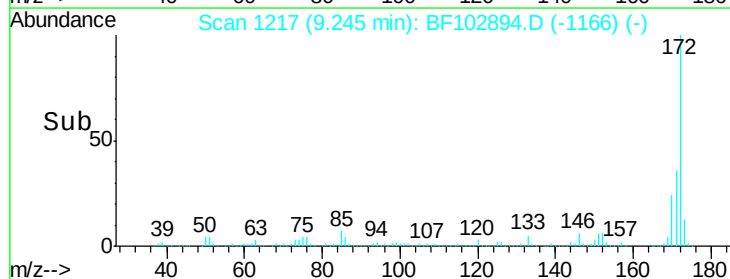
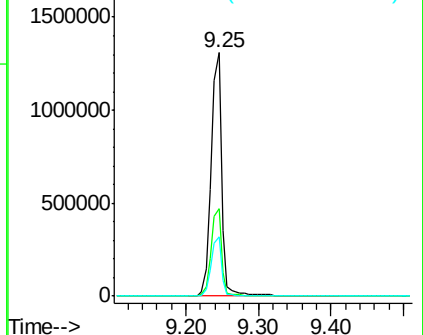
170 24.4 19.6 29.4

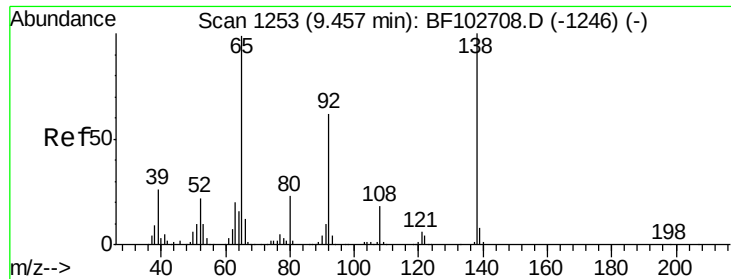


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

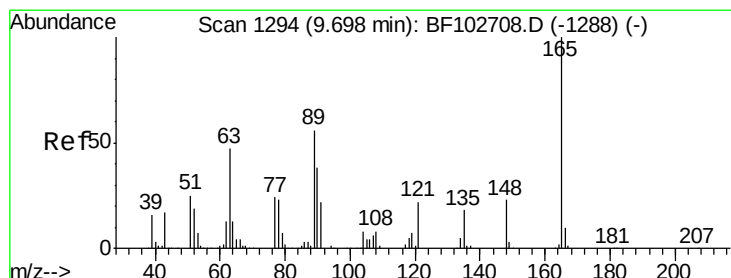
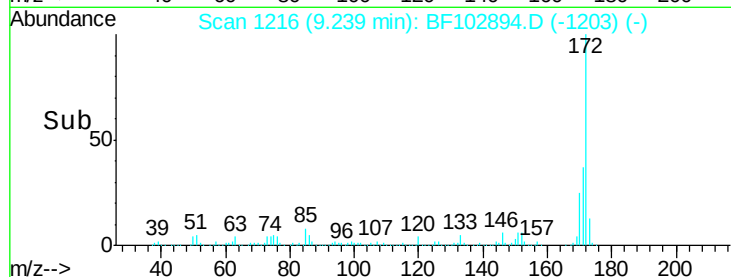
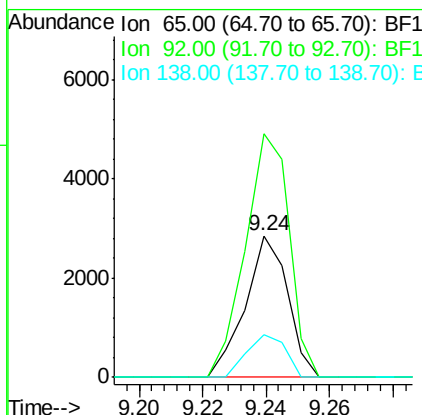
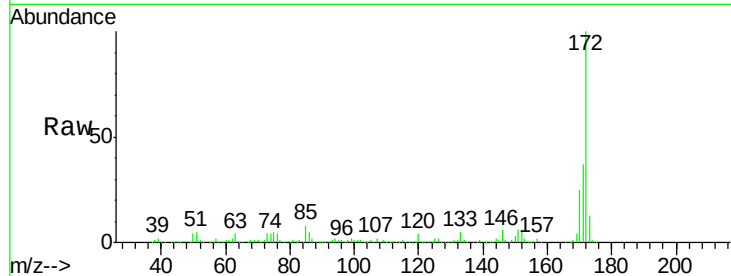




#47
2-Nitroaniline
Concen: 3.96 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF102894.D
Acq: 9 Feb 2018 17:43

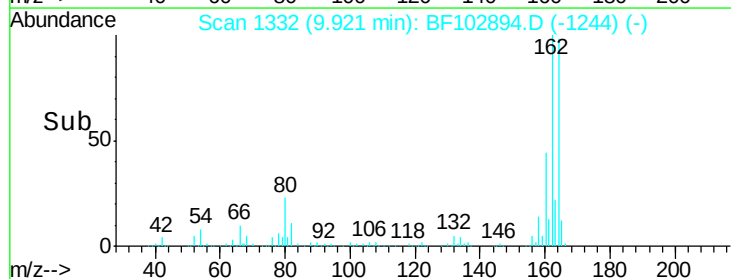
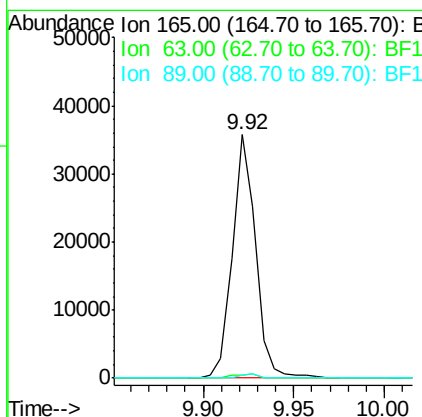
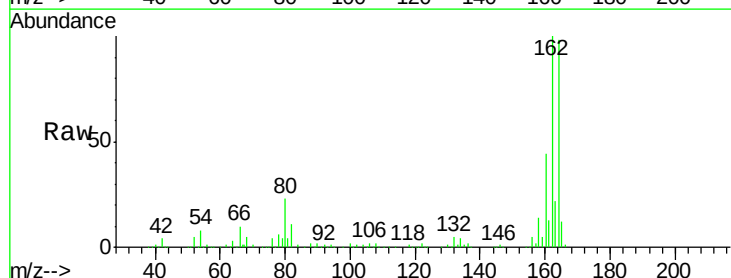
Instrument :
BNA_F
ClientSampleId :

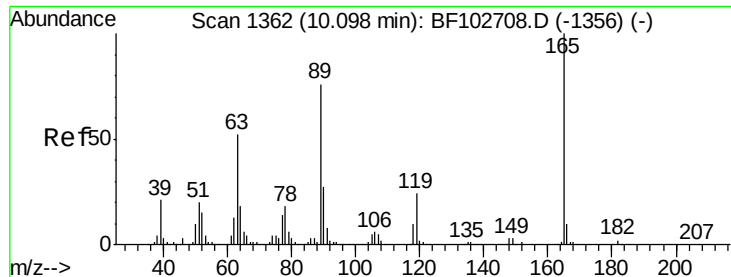
Tot Ion: 65 Resp: 2649
Ion Ratio Lower Upper
65 100
92 171.6 55.8 83.6#
138 29.6 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.66 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102894.D
Acq: 9 Feb 2018 17:43

Tgt Ion:165 Resp: 31927
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.3 44.0 66.0#

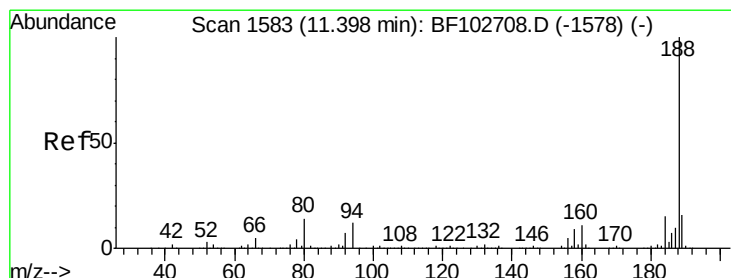
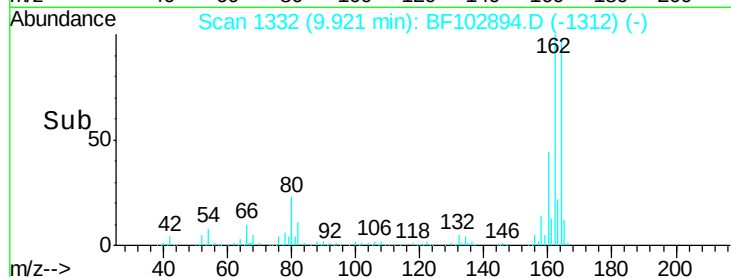
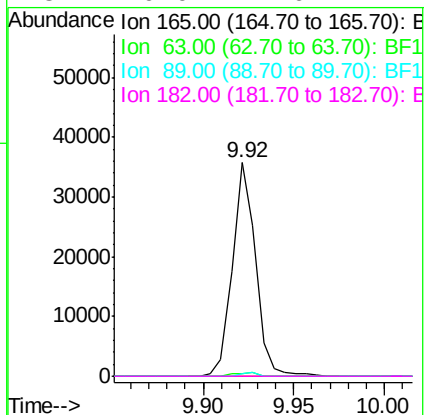
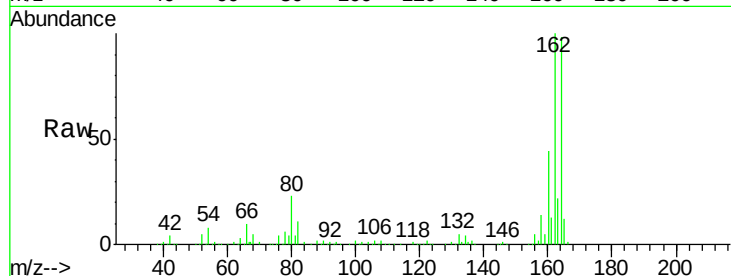




#56
 2,4-Dinitrotoluene
 Concen: 9.12 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102894.D
 Acq: 9 Feb 2018 17:43

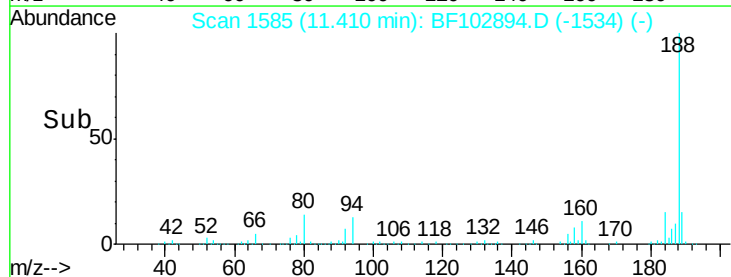
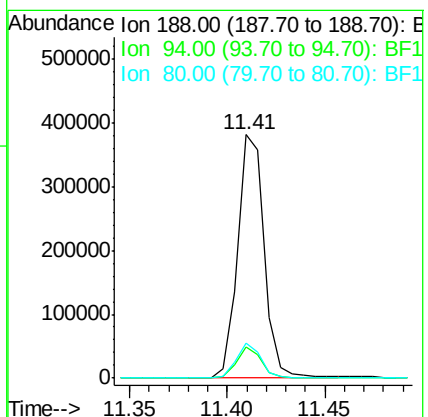
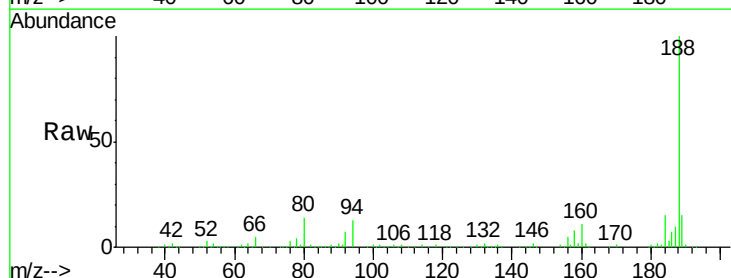
Instrument :
 BNA_F
 ClientSampleId :

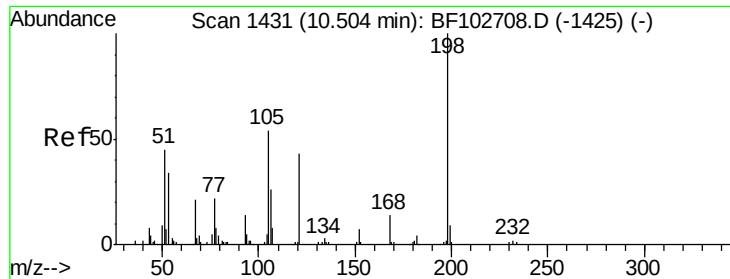
Tot Ion:165 Resp: 31927
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102894.D
 Acq: 9 Feb 2018 17:43

Tgt Ion:188 Resp: 361067
 Ion Ratio Lower Upper
 188 100
 94 12.7 8.5 12.7
 80 14.1 9.2 13.8#

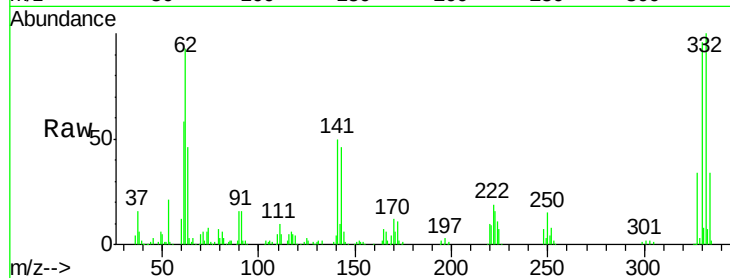




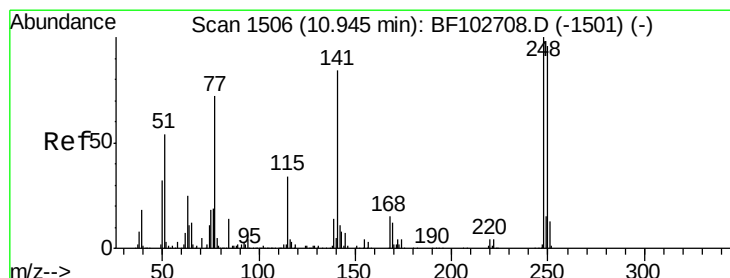
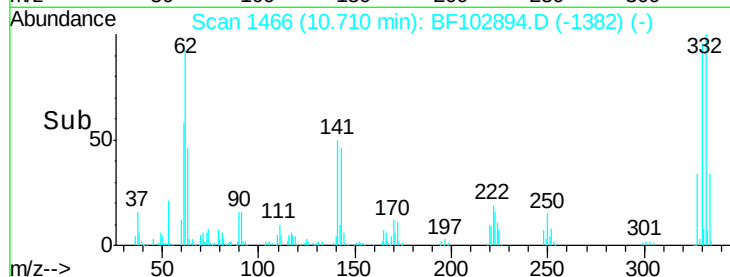
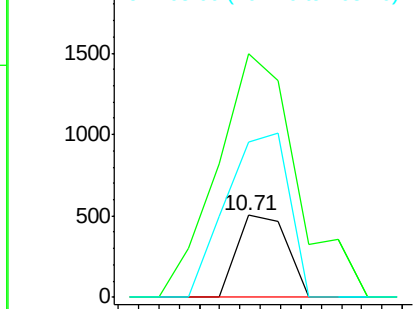
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.00 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102894.D
 Acq: 9 Feb 2018 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 342
 Ion Ratio Lower Upper
 198 100
 51 298.0 37.7 77.7#
 105 189.8 36.3 76.3#

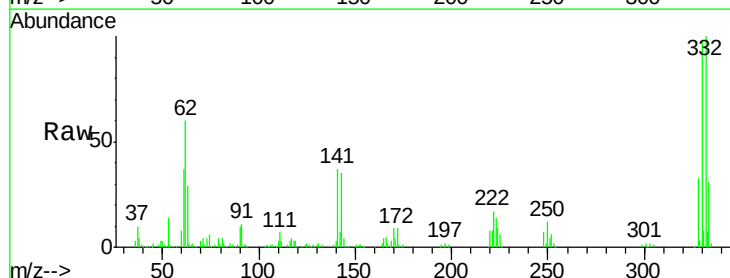


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

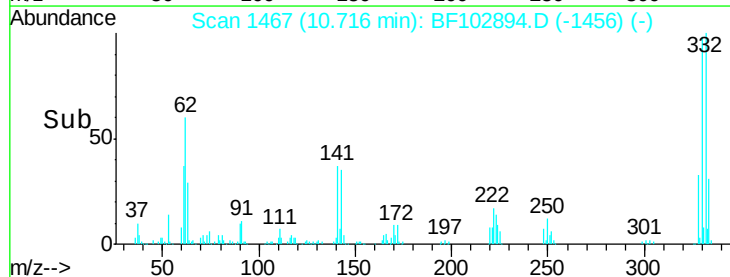
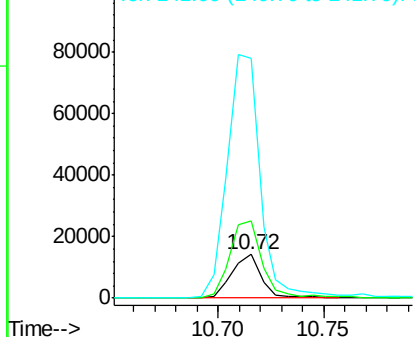


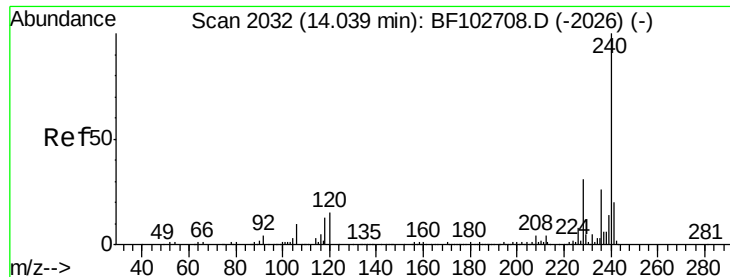
#66
 4-Bromophenyl-phenylether
 Concen: 3.61 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102894.D
 Acq: 9 Feb 2018 17:43

Tgt Ion:248 Resp: 13806
 Ion Ratio Lower Upper
 248 100
 250 177.4 76.9 115.3#
 141 548.6 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: BF102894.D

Acq: 9 Feb 2018 17:43

Instrument :

BNA_F

ClientSampleId :

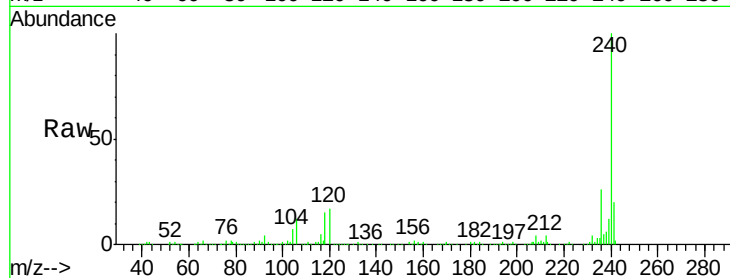
Tot Ion:240 Resp: 287762

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

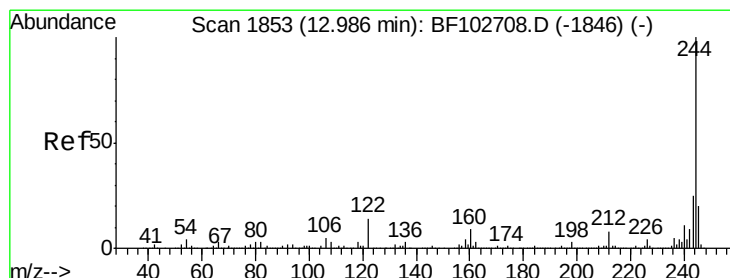
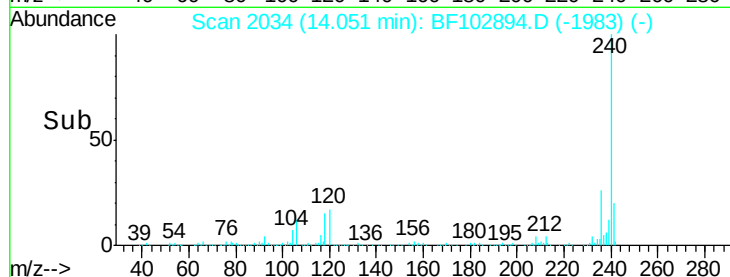
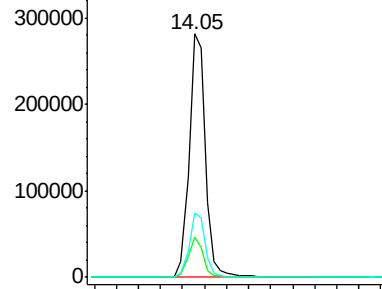
236 26.2 20.7 31.1



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: 77.78 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102894.D

Acq: 9 Feb 2018 17:43

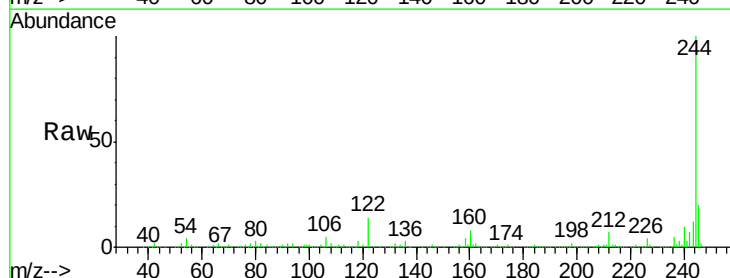
Tgt Ion:244 Resp: 945330

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

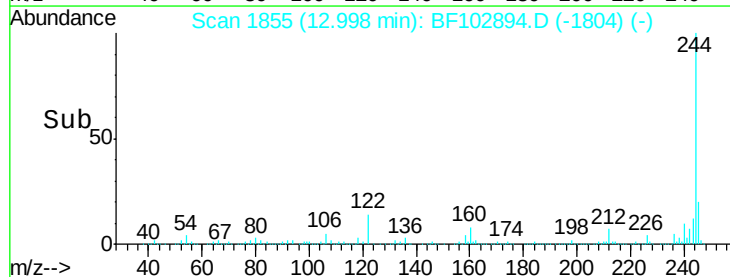
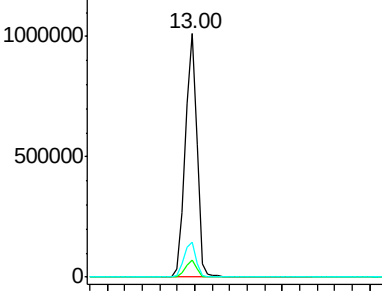
122 14.2 11.0 16.4

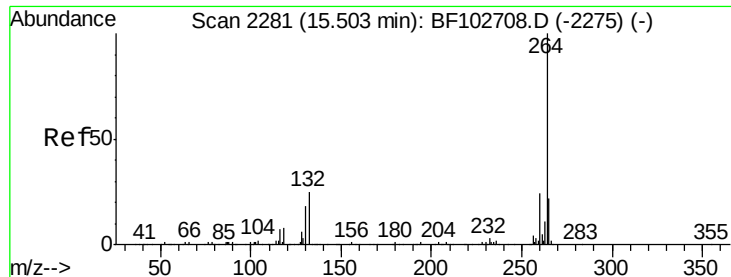


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102894.D
Acq: 9 Feb 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.9	17.5	26.3

