

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102910.D
 Acq On : 12 Feb 2018 10:35
 Operator : SJ/JU
 Sample : J1506-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

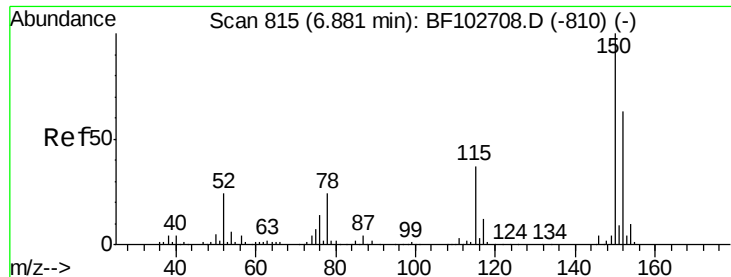
Quant Time: Feb 12 11:44:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	176925	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	746359	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	339594	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	566319	20.00	ng	0.00
75) Chrysene-d12	14.05	240	368598	20.00	ng	0.00
86) Perylene-d12	15.54	264	330994	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1445442	124.07	ng	0.02
7) Phenol-d6	6.52	99	1716898	122.40	ng	0.01
23) Nitrobenzene-d5	7.45	82	1132424	105.25	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	348345	127.44	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1521817	74.36	ng	0.00
78) Terphenyl-d14	13.00	244	1264096	81.20	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	41527	2.762	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	153771	16.626	ng	# 83
25) Isophorone	7.45	82	1132407	45.709	ng	# 64
47) 2-Nitroaniline	9.63	65	1729	3.703	ng	# 1
49) Dimethylphthalate	9.63	163	151440	5.719	ng	97
55) 4-Nitrophenol	10.13	139	768	4.167	ng	# 38
56) 2,4-Dinitrotoluene	9.92	165	42374	8.945	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	731	9.079	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	22788	3.804	ng	# 1
74) Fluoranthene	12.62	202	76819	2.421	ng	98
77) Pyrene	12.86	202	66240	2.292	ng	99
88) Benzo(k)fluoranthene	15.10	252	41528	2.025	ng	# 86

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

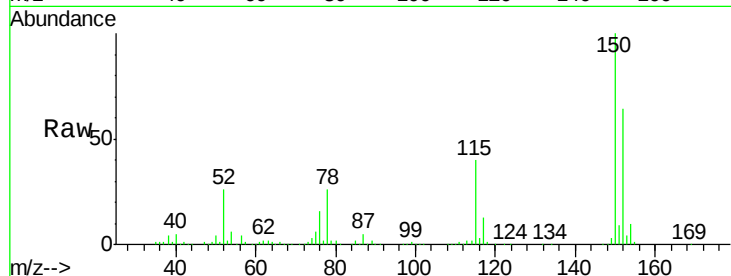


#1

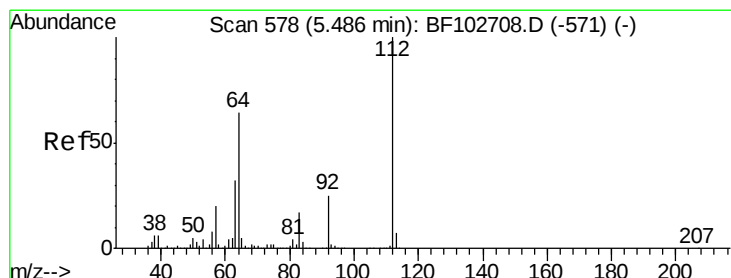
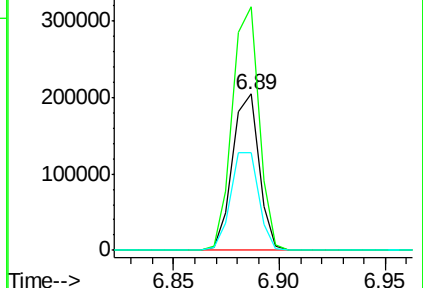
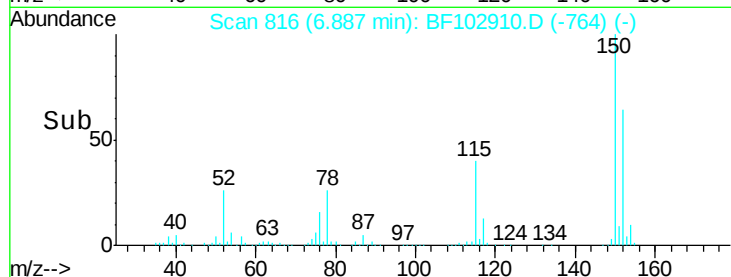
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176925
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 62.7 50.1 75.1



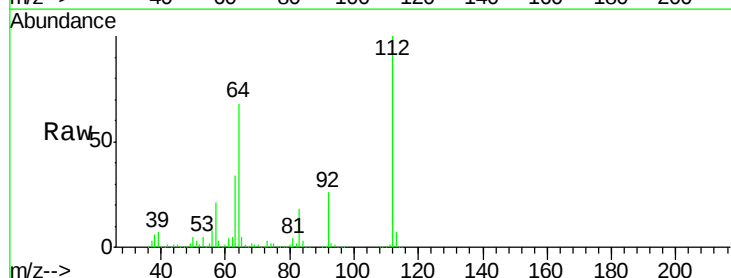
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



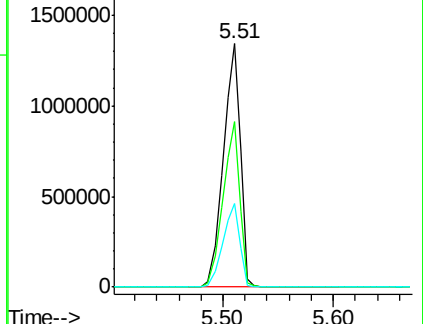
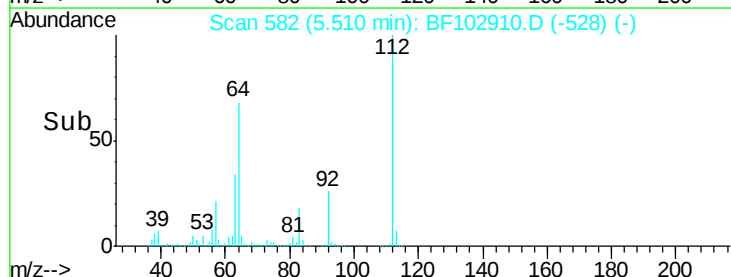
#5

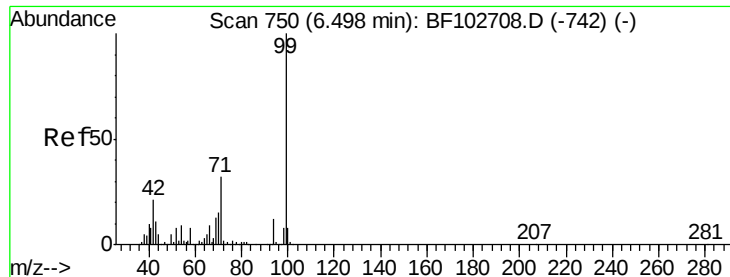
2-Fluorophenol
Concen: 124.072 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

Tgt Ion:112 Resp: 1445442
Ion Ratio Lower Upper
112 100
64 67.9 47.9 71.9
63 34.3 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: 122.396 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

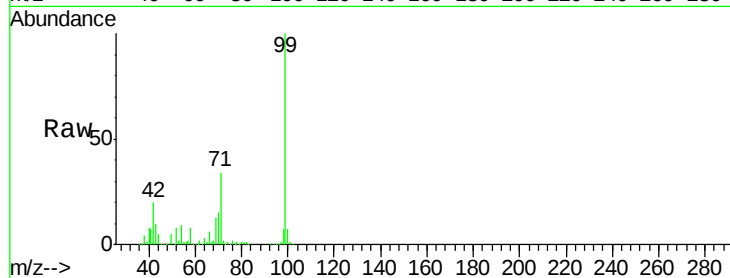
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1716898

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	33.7	25.4	38.0

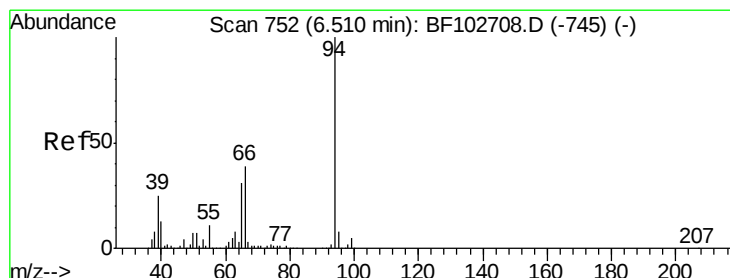
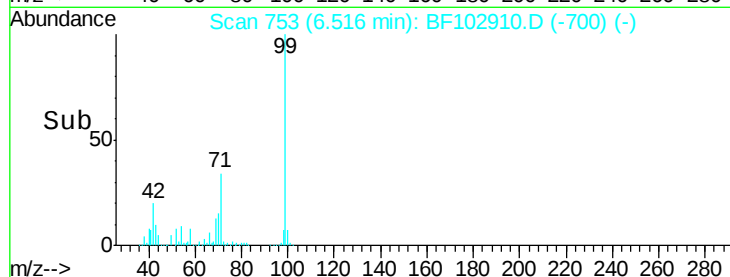
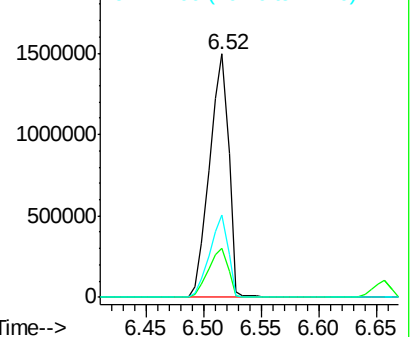


Abundance

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: 2.762 ng

RT: 6.53 min Scan# 755

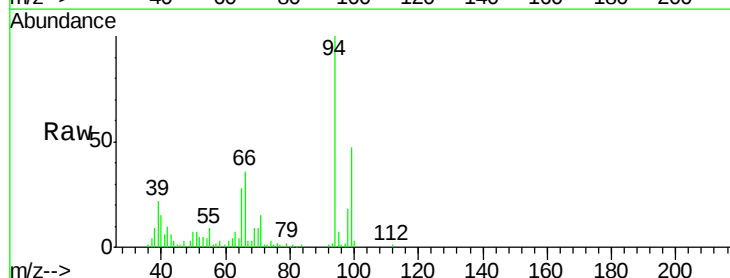
Delta R.T. 0.01 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

Tgt Ion: 94 Resp: 41527

Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.9	47.9
66	35.8	16.2	56.2

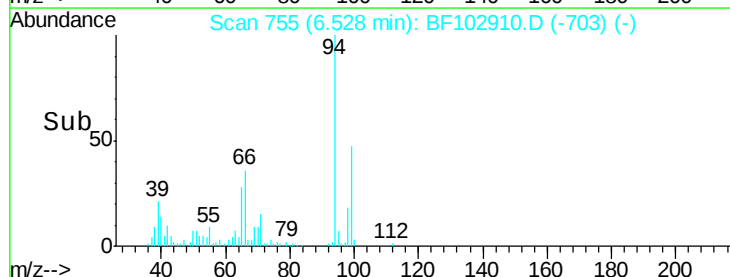
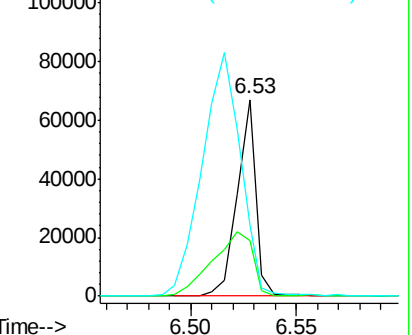


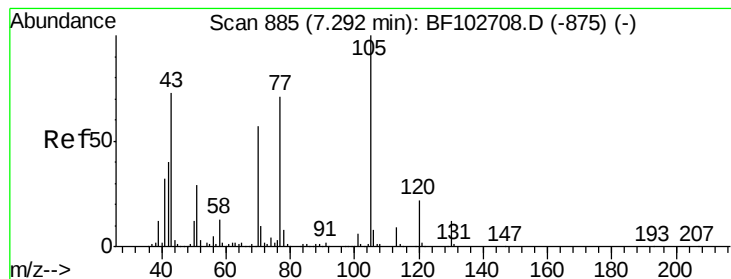
Abundance

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: 16.626 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 153771

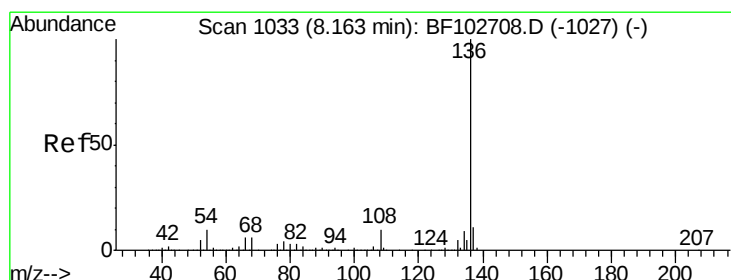
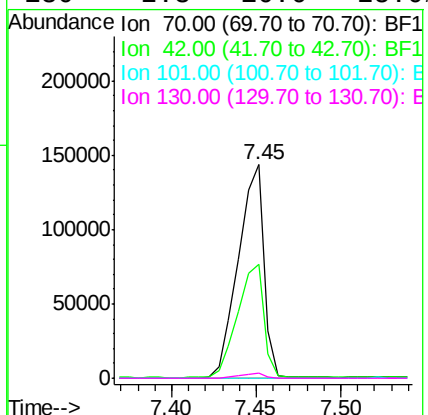
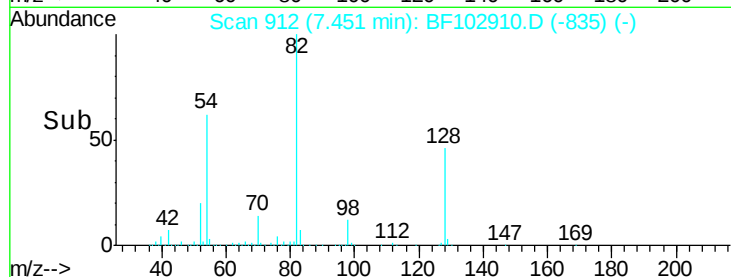
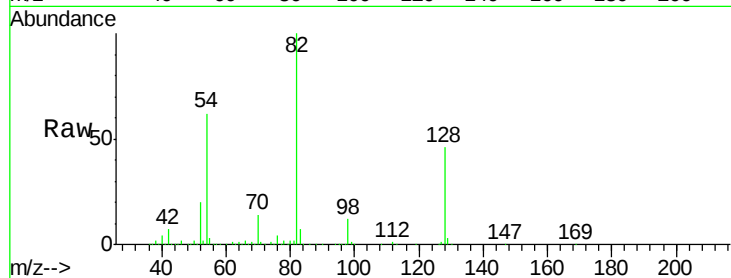
Ion Ratio Lower Upper

70 100

42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

Tgt Ion:136 Resp: 746359

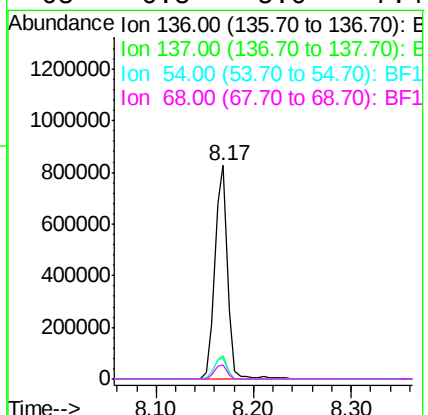
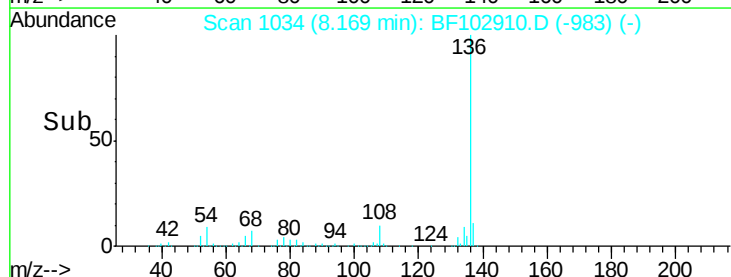
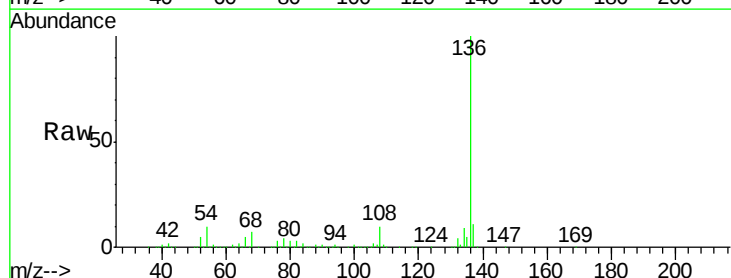
Ion Ratio Lower Upper

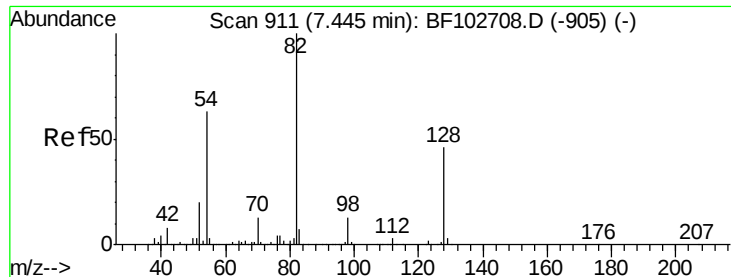
136 100

137 10.6 8.9 13.3

54 9.5 6.6 9.8

68 6.5 5.0 7.4

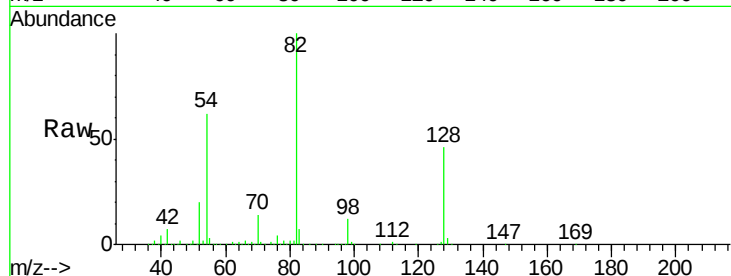




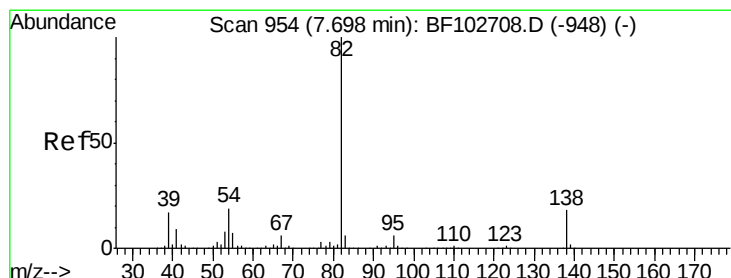
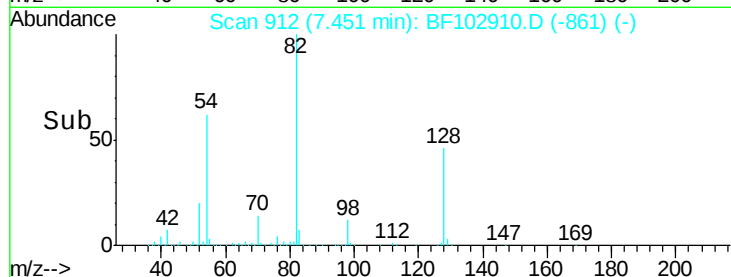
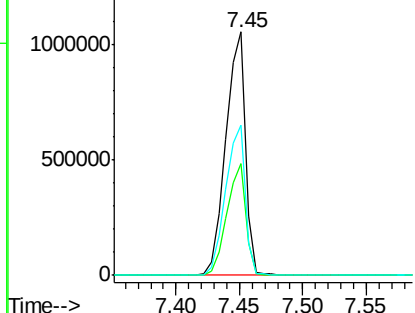
#23
 Nitrobenzene-d5
 Concen: 105.254 ng
 RT: 7.45 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1132424
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.1 54.1
 54 61.6 41.4 62.2

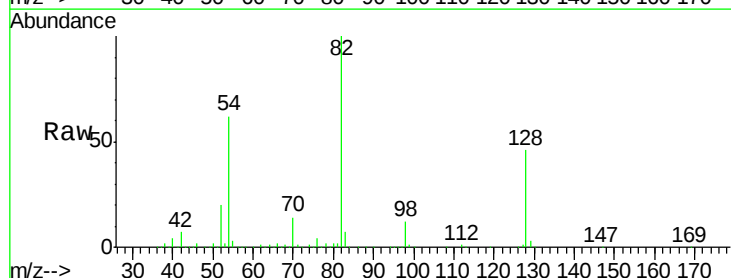


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

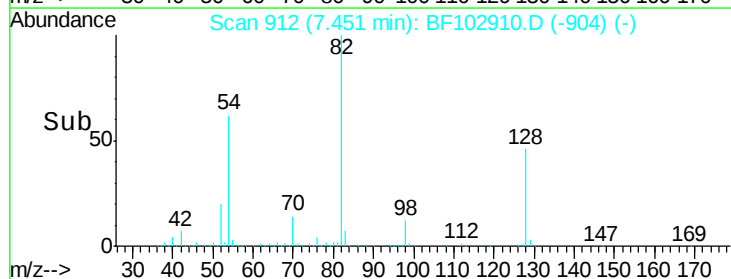
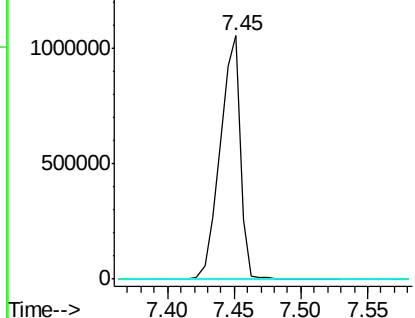


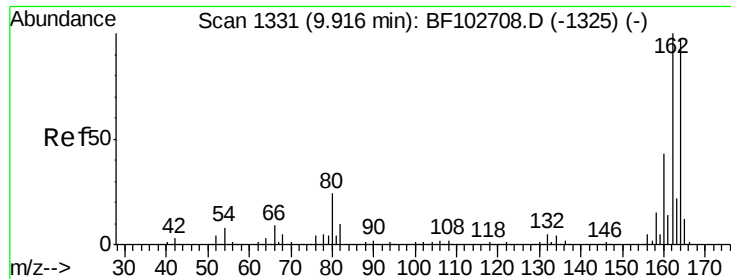
#25
 Isophorone
 Concen: 45.709 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.25 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Tgt Ion: 82 Resp: 1132407
 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

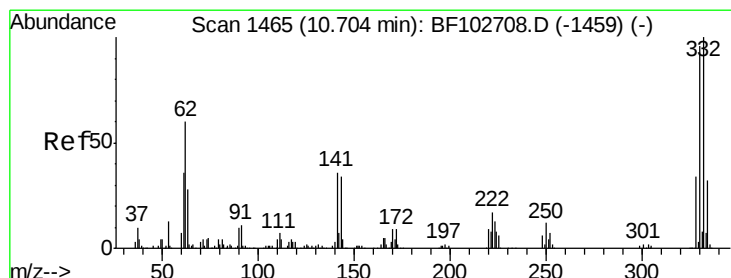
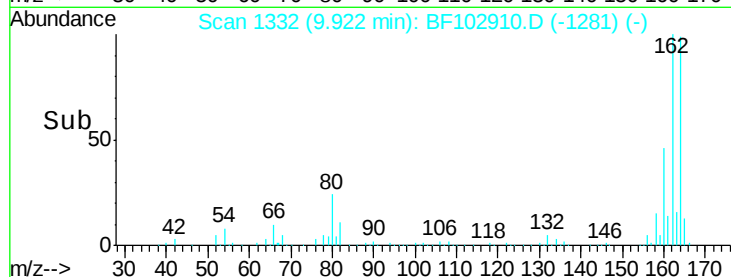
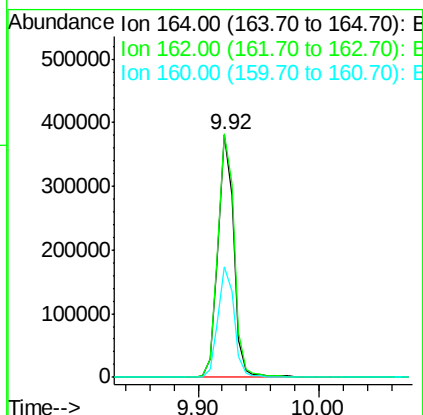
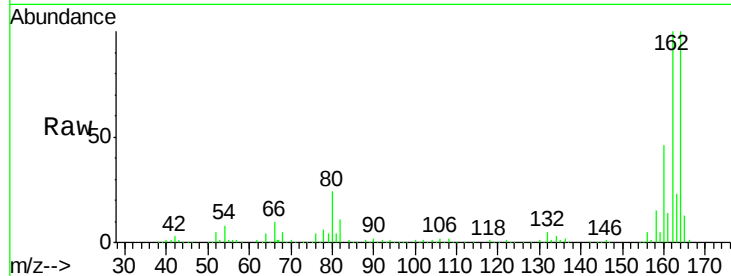




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

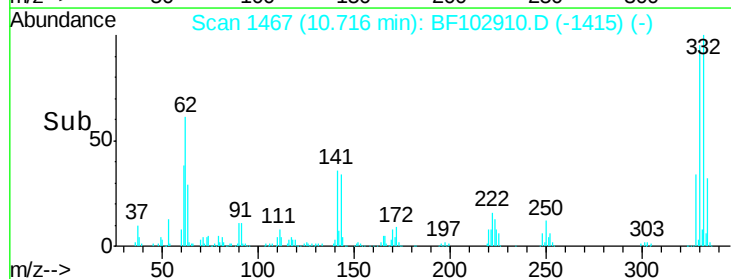
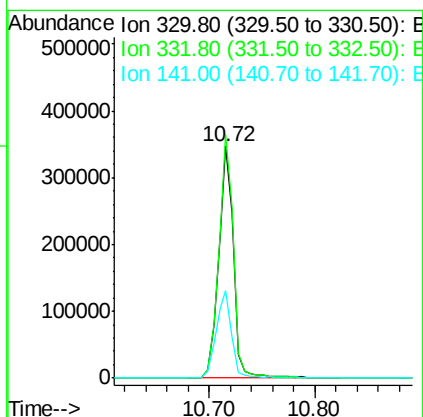
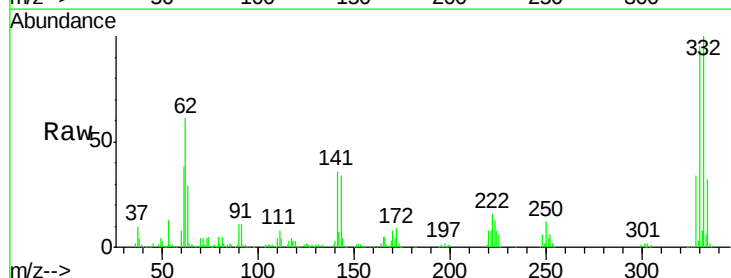
Instrument :
BNA_F
ClientSampleId :

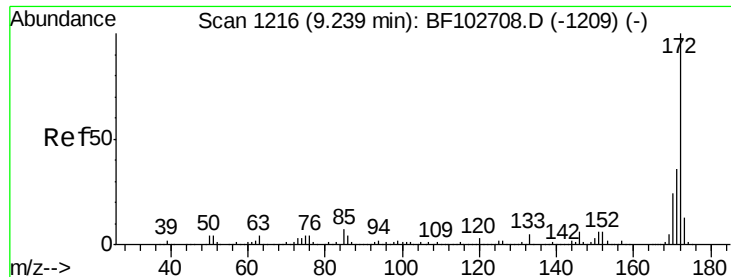
Tot Ion:164 Resp: 339594
Ion Ratio Lower Upper
164 100
162 100.4 86.1 129.1
160 45.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 127.443 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

Tgt Ion:330 Resp: 348345
Ion Ratio Lower Upper
330 100
332 103.9 77.0 115.6
141 39.4 29.9 44.9

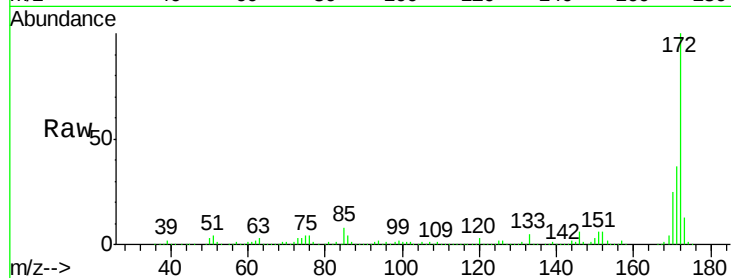




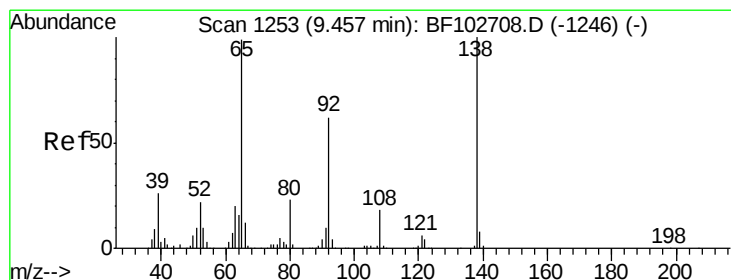
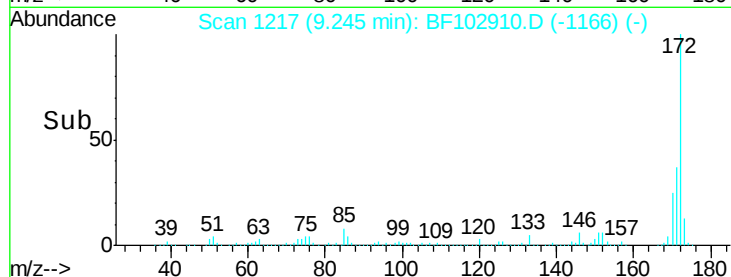
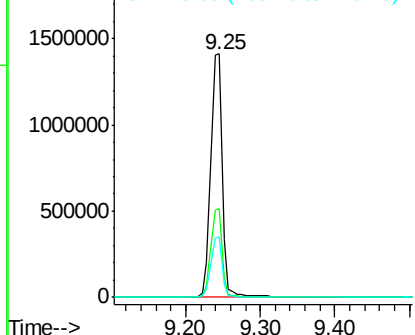
#44
 2-Fluorobiphenyl
 Concen: 74.360 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1521817
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.7 19.6 29.4

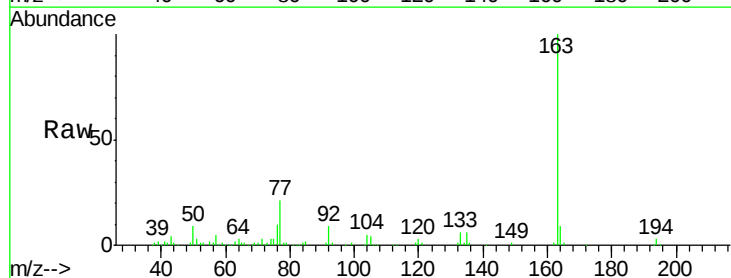


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

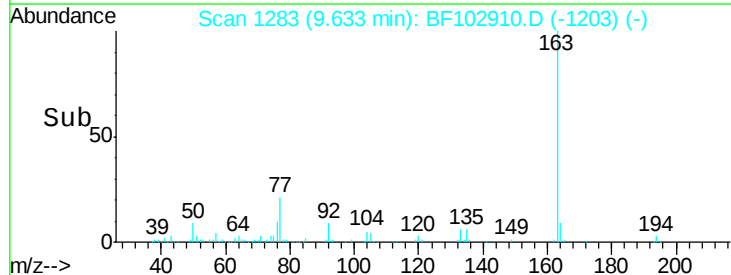
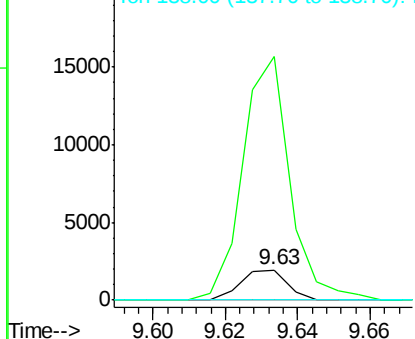


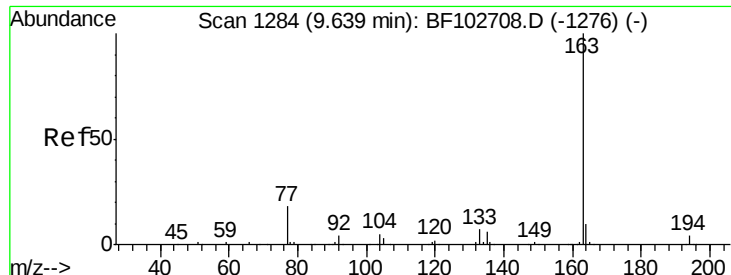
#47
 2-Nitroaniline
 Concen: 3.703 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. 0.17 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Tgt Ion: 65 Resp: 1729
 Ion Ratio Lower Upper
 65 100
 92 808.4 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): E





#49

Dimethylphthalate

Concen: 5.719 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

Instrument :

BNA_F

ClientSampleId :

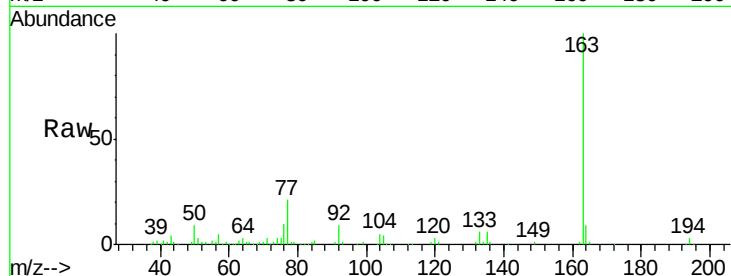
Tot Ion:163 Resp: 151440

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

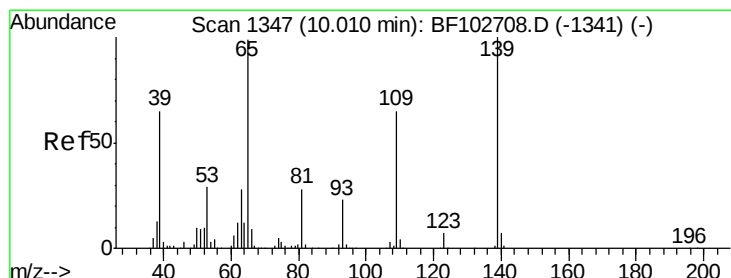
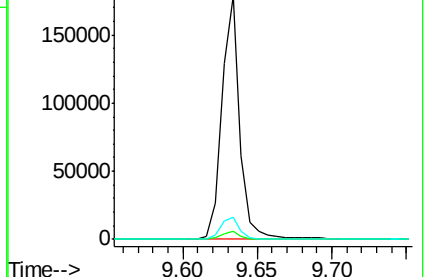
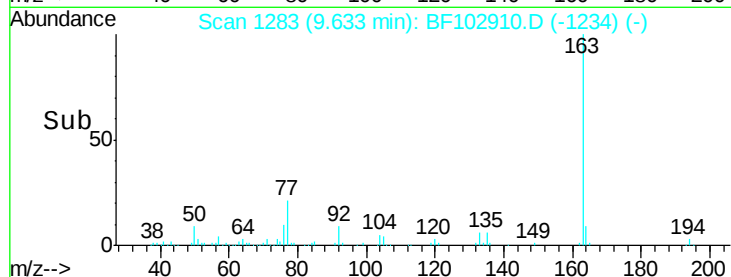
164 9.0 8.2 12.2



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



#55

4-Nitrophenol

Concen: 4.167 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.11 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

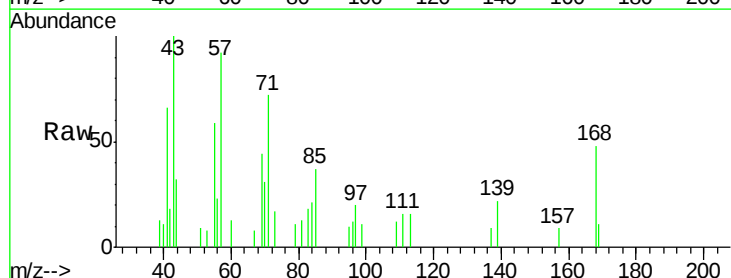
Tgt Ion:139 Resp: 768

Ion Ratio Lower Upper

139 100

109 56.3 48.4 88.4

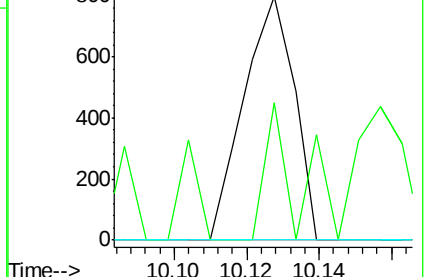
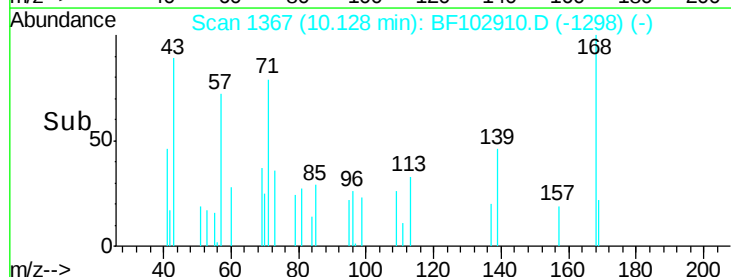
65 0.0 72.6 112.6#

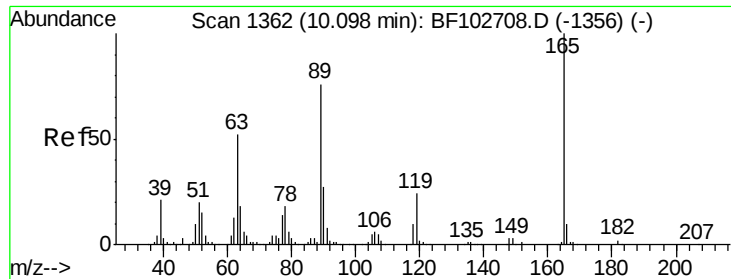


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

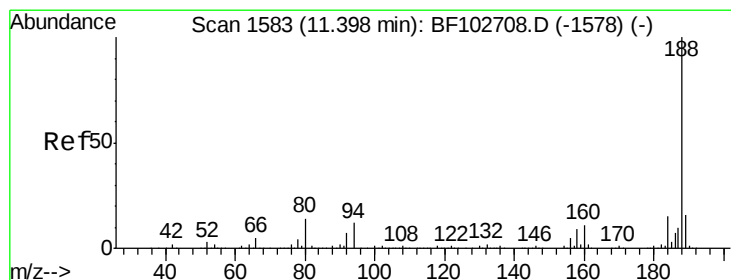
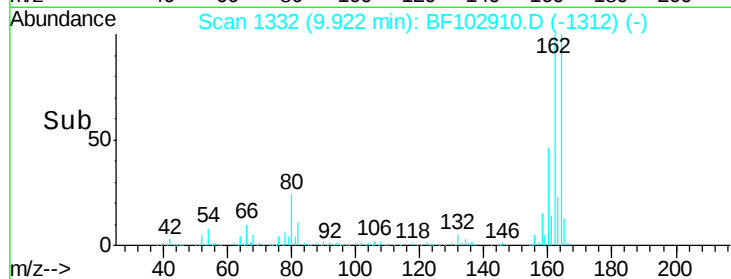
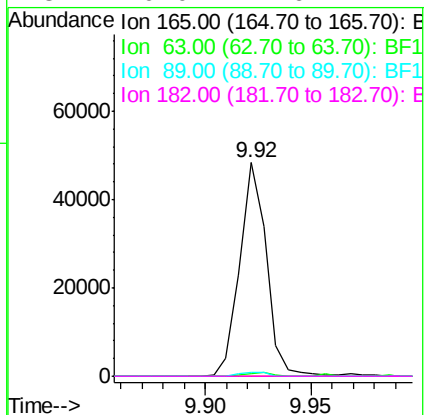
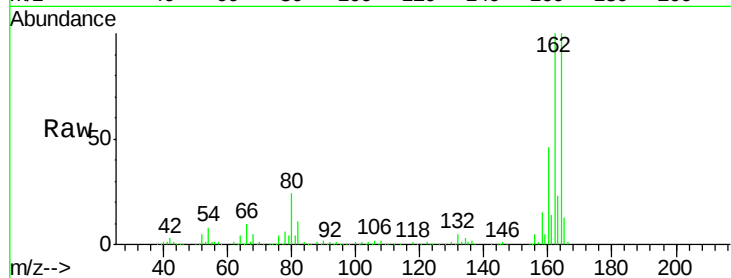




#56
 2,4-Dinitrotoluene
 Concen: 8.945 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

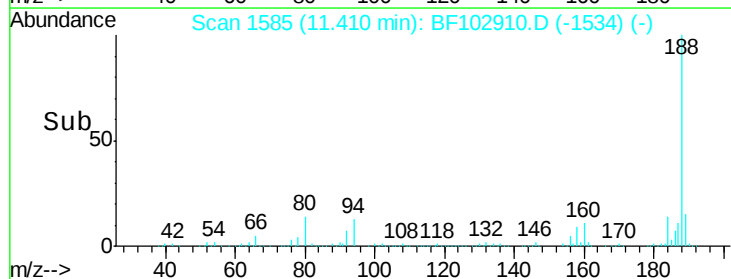
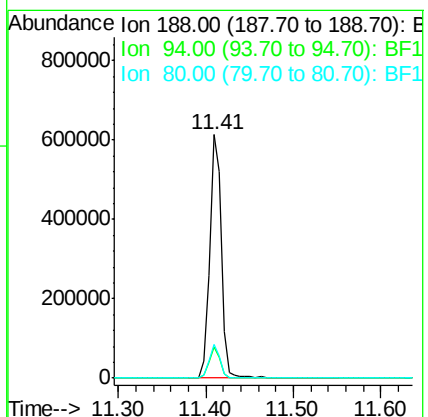
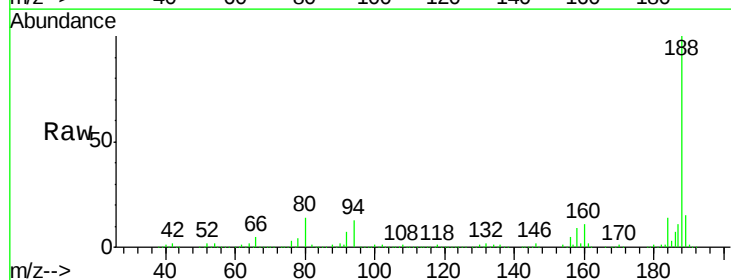
Instrument :
 BNA_F
 ClientSampleId :

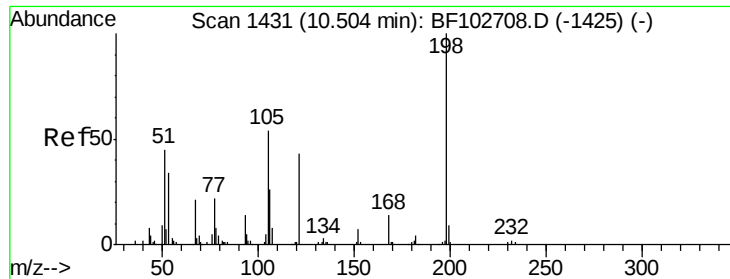
Tot Ion:165 Resp: 42374
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Tgt Ion:188 Resp: 566319
 Ion Ratio Lower Upper
 188 100
 94 12.8 8.5 12.7#
 80 13.8 9.2 13.8#

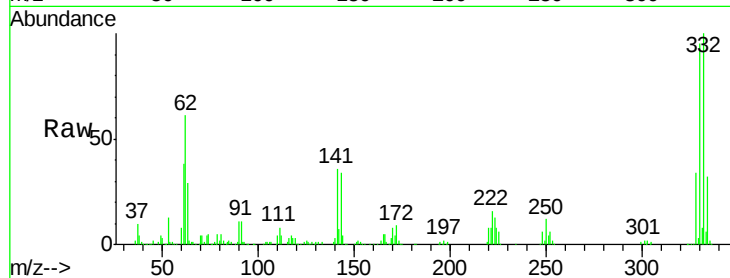




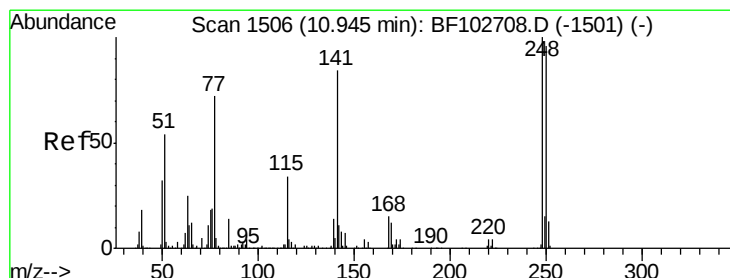
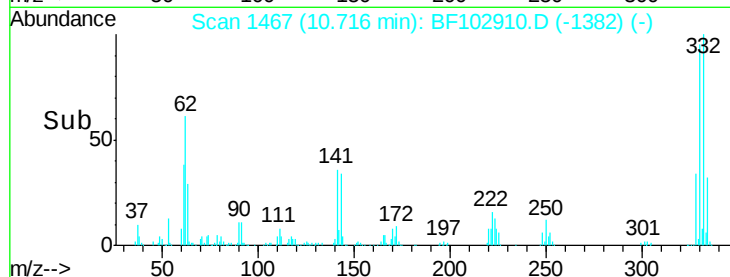
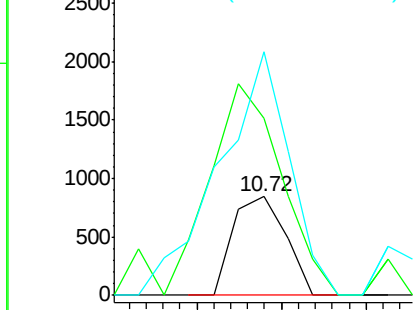
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.079 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 731
 Ion Ratio Lower Upper
 198 100
 51 179.6 37.7 77.7#
 105 246.5 36.3 76.3#

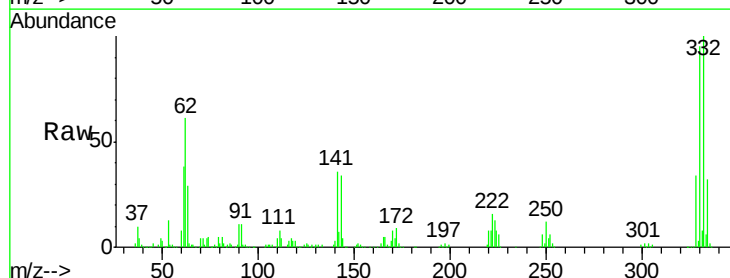


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

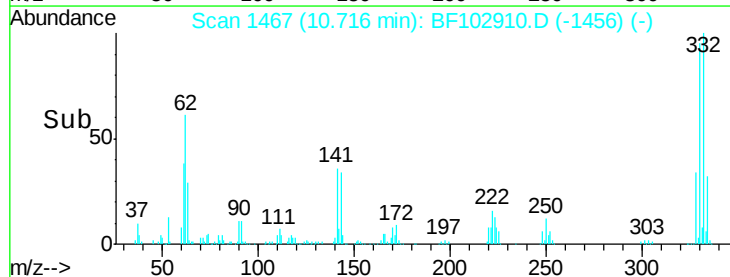
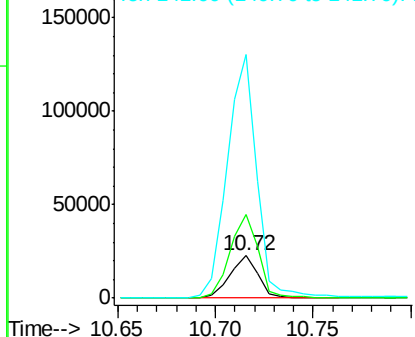


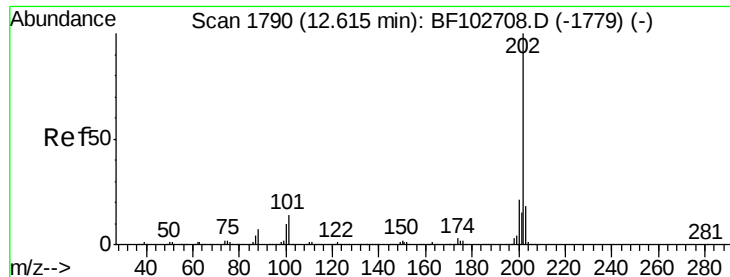
#66
 4-Bromophenyl-phenylether
 Concen: 3.804 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Tgt Ion:248 Resp: 22788
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 574.0 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

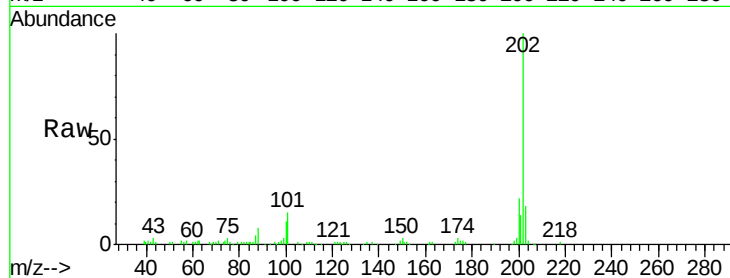




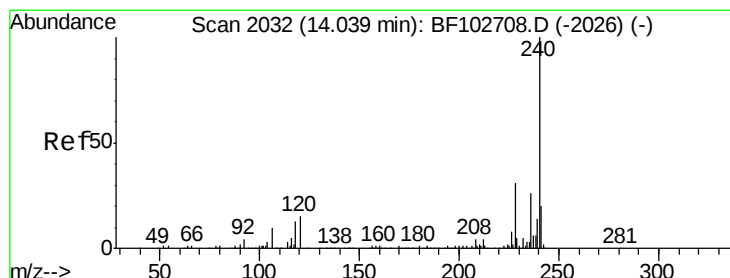
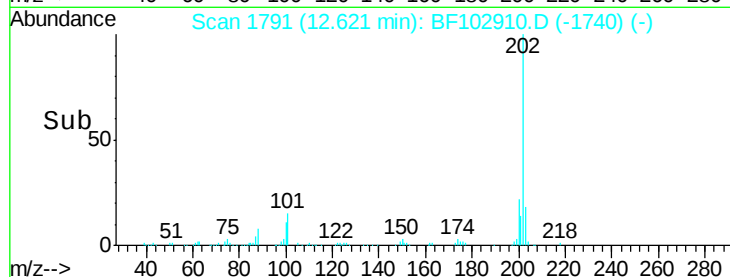
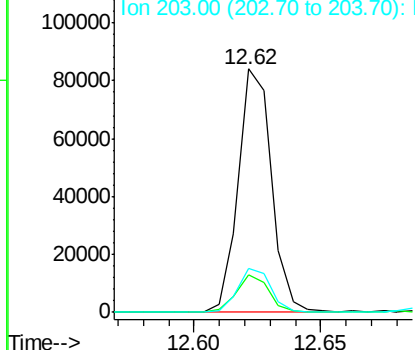
#74
 Fluoranthene
 Concen: 2.421 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.1
203	18.0	0.0	38.1

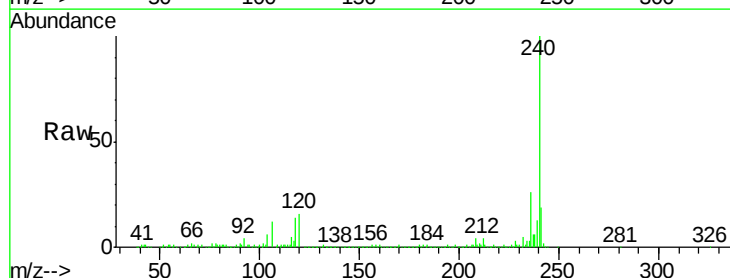


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

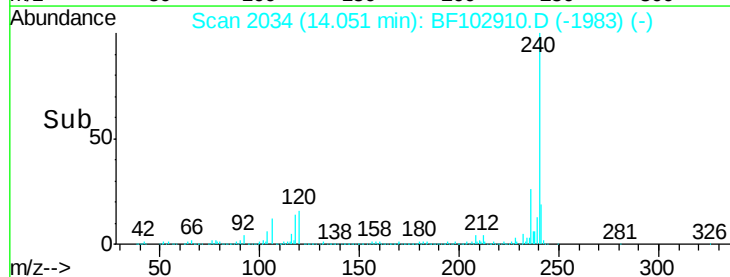
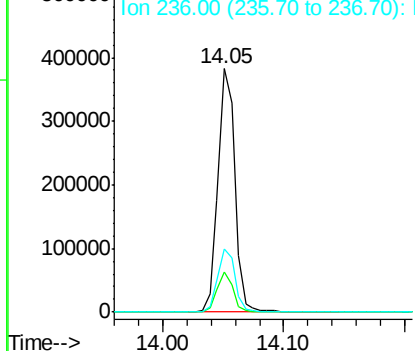


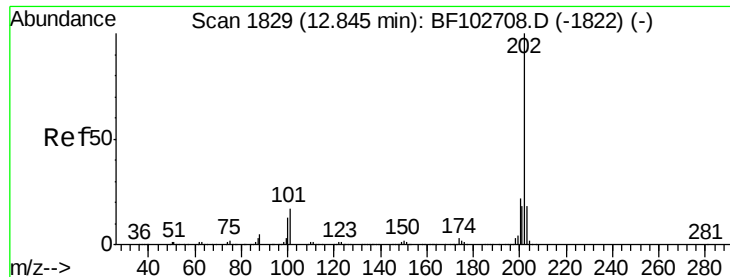
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF102910.D
 Acq: 12 Feb 2018 10:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.2	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





#77

Pvrene

Concen: 2.292 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

Instrument :

BNA_F

ClientSampleId :

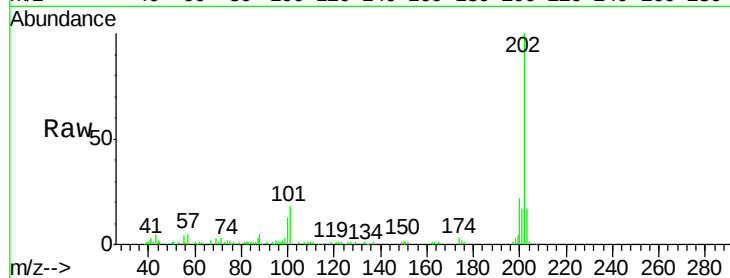
Tot Ion:202 Resp: 66240

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

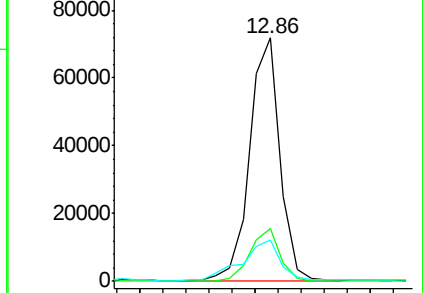
203 17.1 14.3 21.5



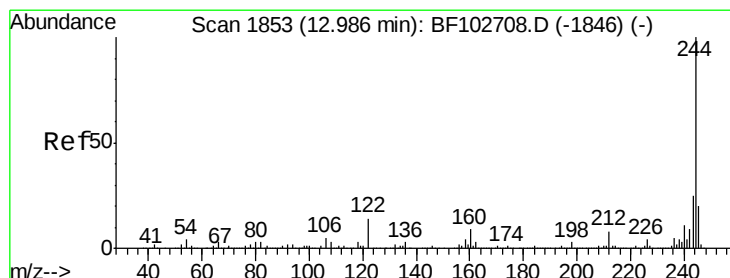
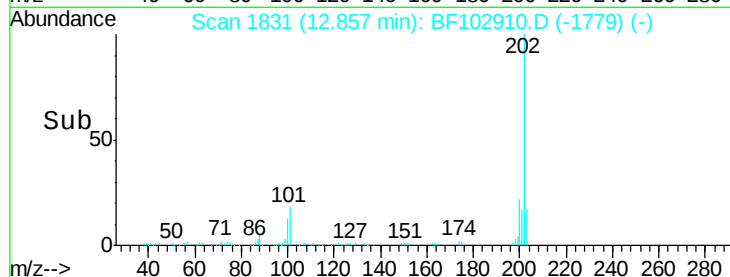
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.80 12.85 12.90



#78

Terphenyl-d14

Concen: 81.202 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102910.D

Acq: 12 Feb 2018 10:35

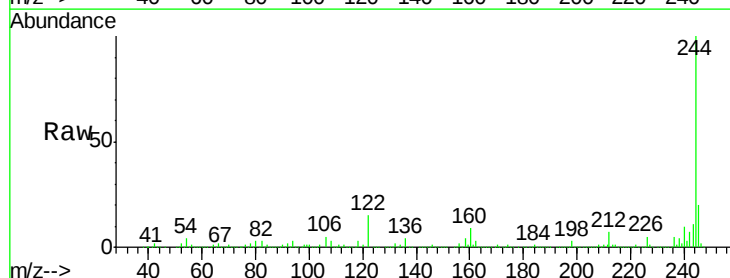
Tgt Ion:244 Resp: 1264096

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

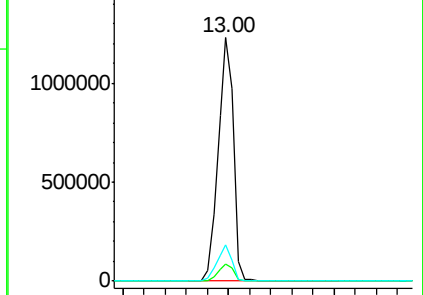
122 14.7 11.0 16.4



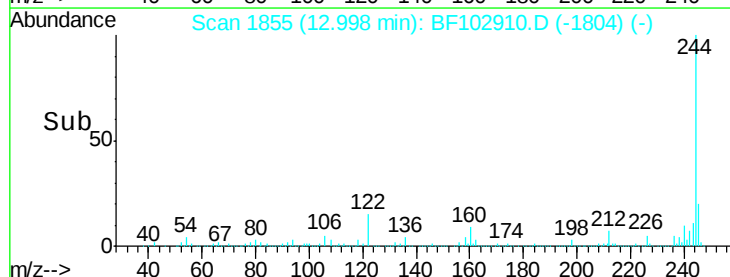
Abundance Ion 244.00 (243.70 to 244.70): E

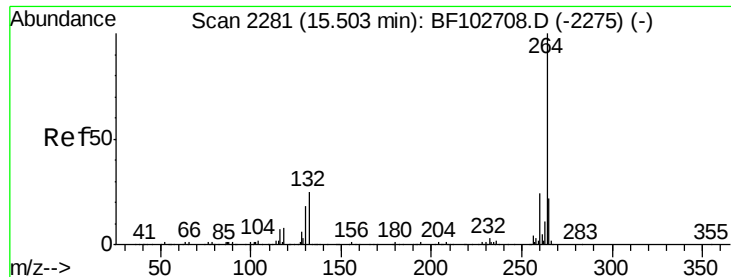
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00 13.10

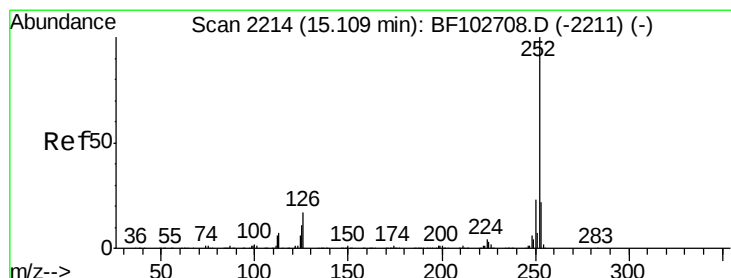
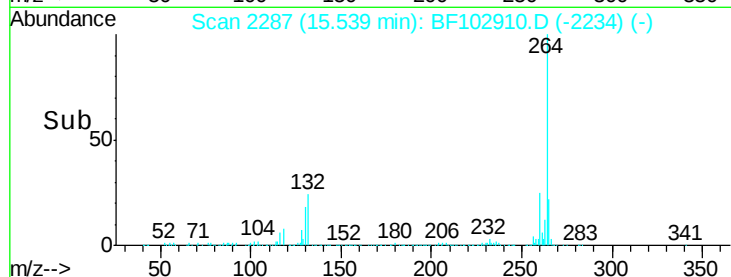
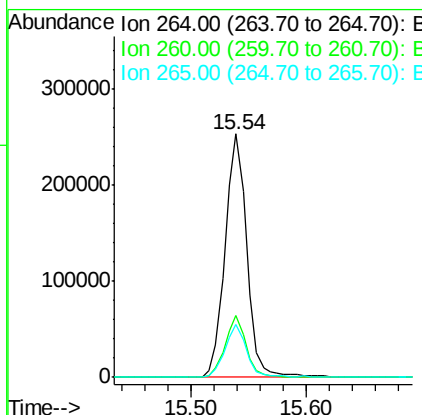
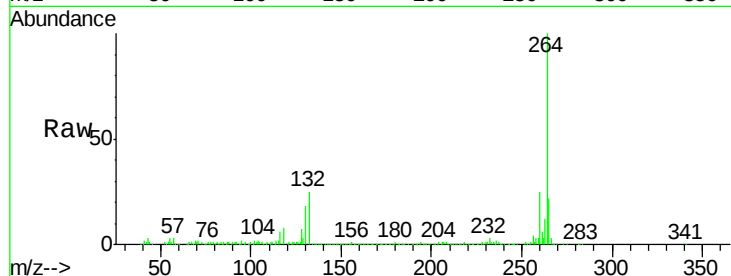




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 330994
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 21.7 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.025 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF102910.D
Acq: 12 Feb 2018 10:35

Tgt Ion:252 Resp: 41528
Ion Ratio Lower Upper
252 100
253 26.1 17.9 26.9
125 22.4 10.2 15.2#

