

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103881.D
 Acq On : 23 Mar 2018 15:40
 Operator : JU/SJ
 Sample : J1748-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 18:12:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145618	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	582542	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	244772	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	366097	20.00	ng	0.00
75) Chrysene-d12	14.16	240	293599	20.00	ng	0.00
86) Perylene-d12	15.71	264	217491	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1165880	121.78	ng	0.01
7) Phenol-d6	6.60	99	1448803	123.69	ng	0.00
23) Nitrobenzene-d5	7.54	82	885584	106.01	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	291982	138.74	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1378770	89.85	ng	0.00
78) Terphenyl-d14	13.10	244	1044822	82.60	ng	0.00

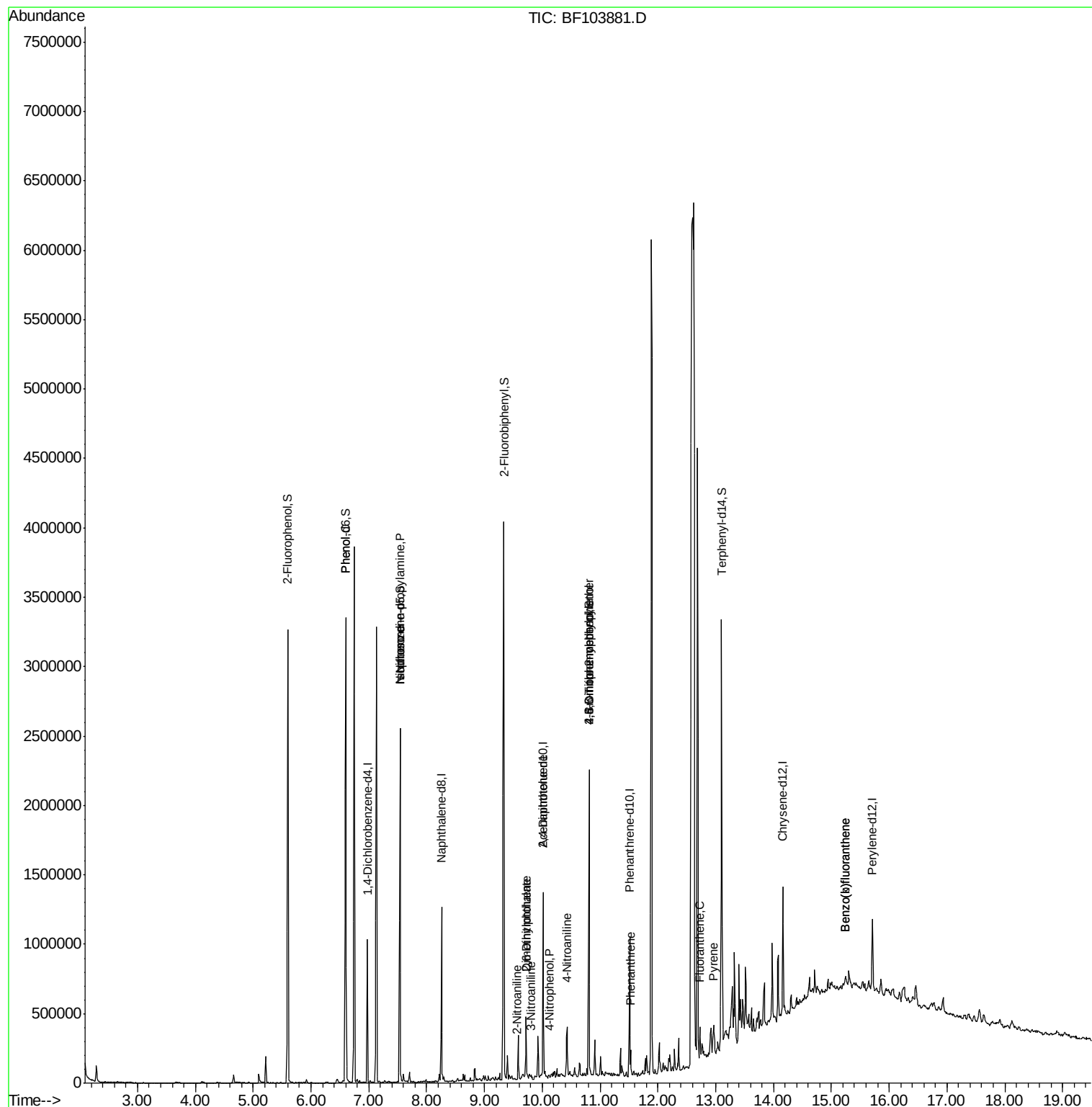
Target Compounds				Qvalue		
10) Phenol	6.61	94	38237	3.072	ng	86
19) n-Nitroso-di-n-propylamine	7.54	70	117887	15.705	ng	# 72
25) Isophorone	7.54	82	883734	45.700	ng	# 64
47) 2-Nitroaniline	9.56	65	124	6.839	ng	# 15
49) Dimethylphthalate	9.72	163	141022	7.551	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1717	4.420	ng	# 24
52) 3-Nitroaniline	9.79	138	111	3.838	ng	# 2
55) 4-Nitrophenol	10.12	139	378	5.073	ng	# 6
56) 2,4-Dinitrotoluene	10.02	165	32591	12.413	ng	# 24
61) 4-Nitroaniline	10.42	138	3028	4.419	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.81	198	596	8.604	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	17269	4.594	ng	# 1
70) Phenanthrene	11.53	178	59785	2.985	ng	99
74) Fluoranthene	12.73	202	72917	3.534	ng	99
77) Pyrene	12.96	202	64401	2.987	ng	99
87) Benzo(b)fluoranthene	15.24	252	38780	2.822	ng	# 56
88) Benzo(k)fluoranthene	15.24	252	38780	2.936	ng	# 59

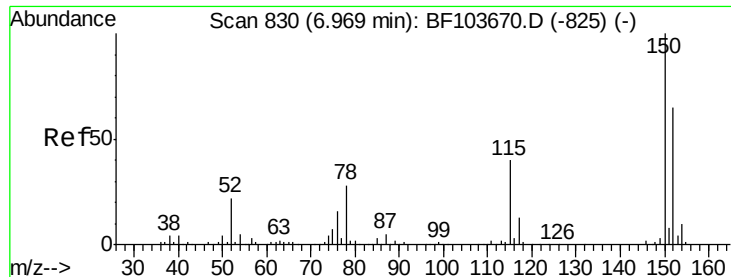
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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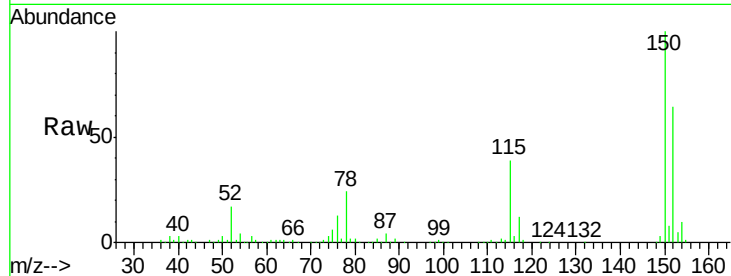


#1

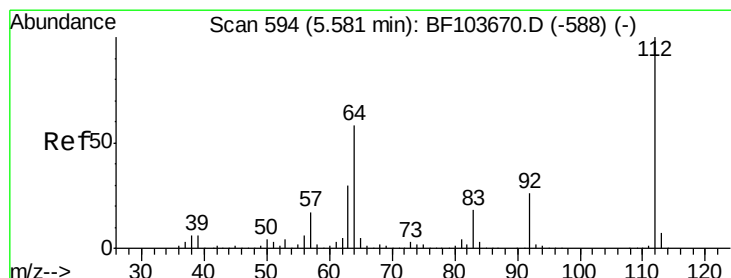
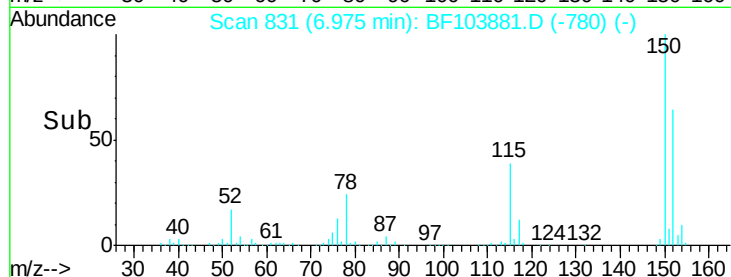
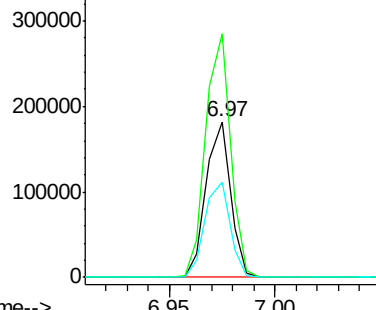
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145618
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.0 50.1 75.1



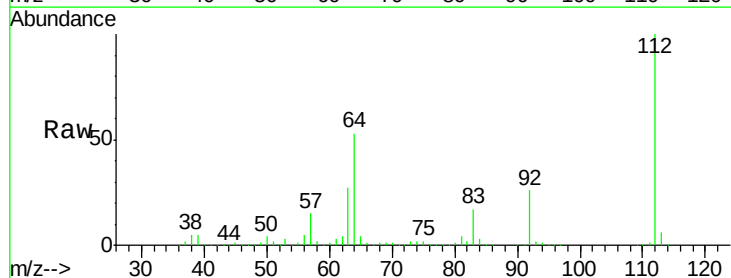
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



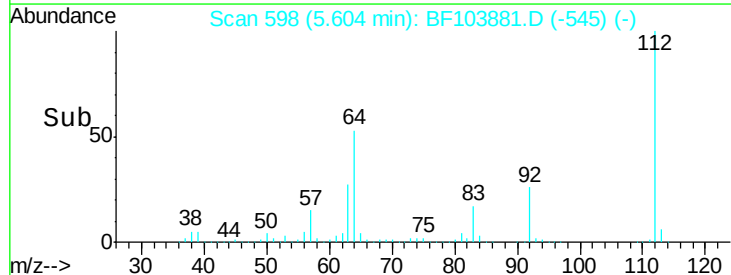
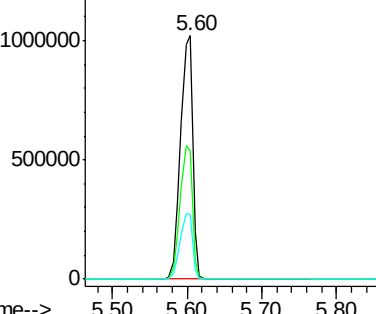
#5

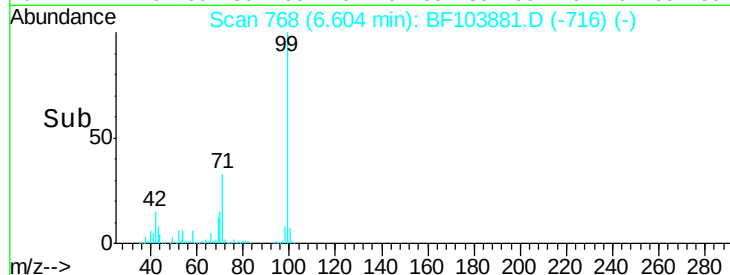
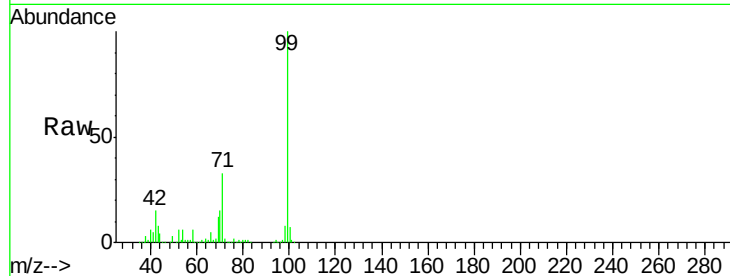
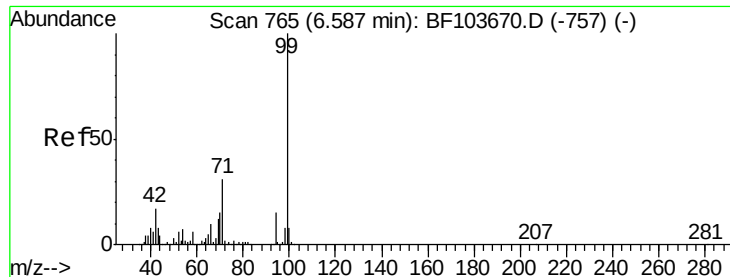
2-Fluorophenol
Concen: 121.777 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

Tgt Ion:112 Resp: 1165880
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 26.7 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: 123.692 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

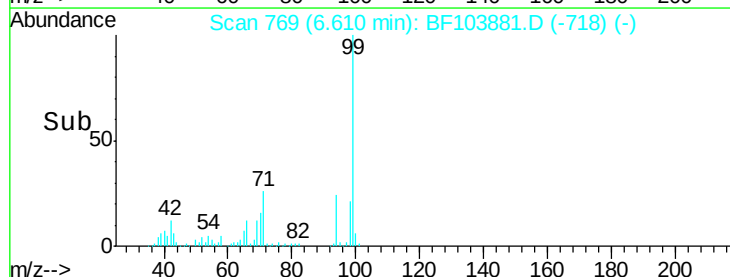
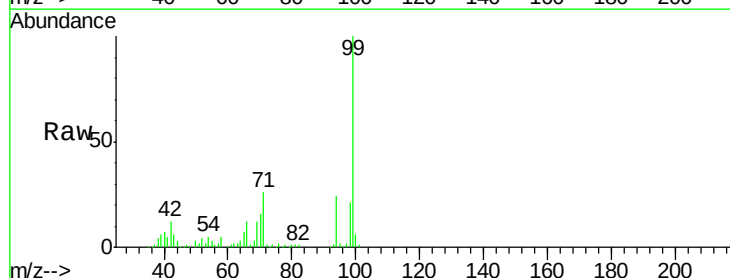
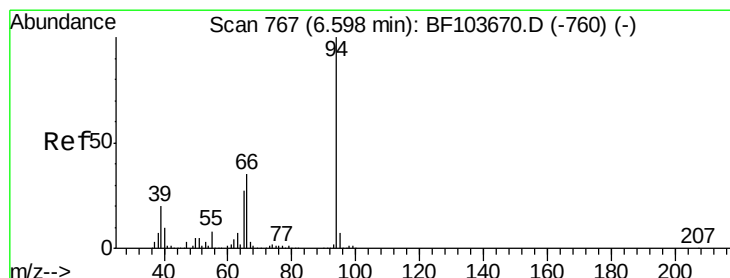
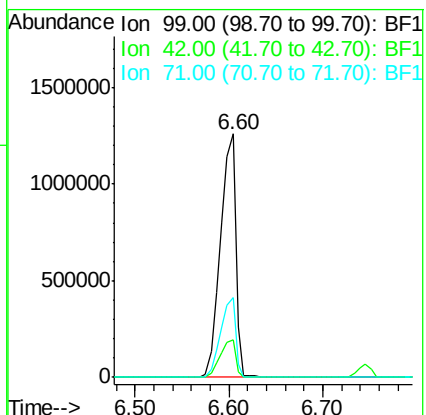
Tot Ion: 99 Resp: 1448803

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 32.7 25.4 38.0



#10

Phenol

Concen: 3.072 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

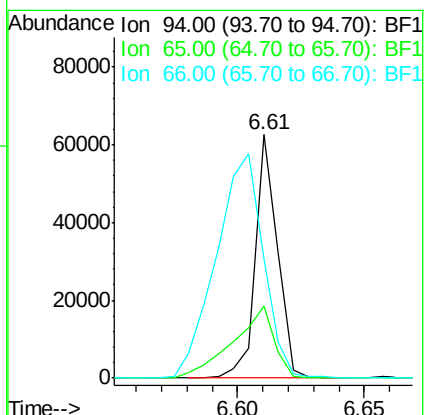
Tgt Ion: 94 Resp: 38237

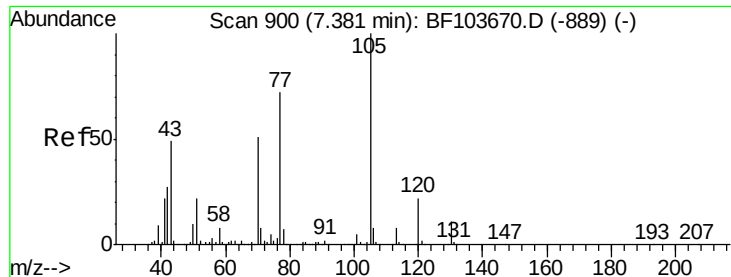
Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

66 49.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 15.705 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 117887

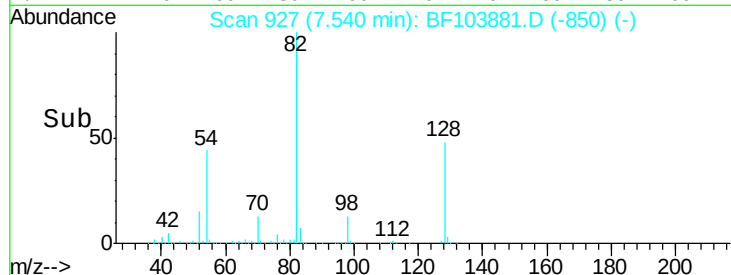
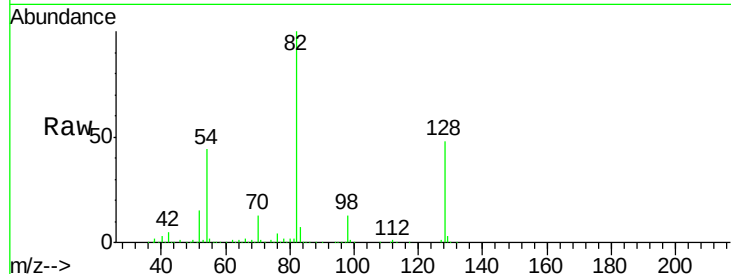
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

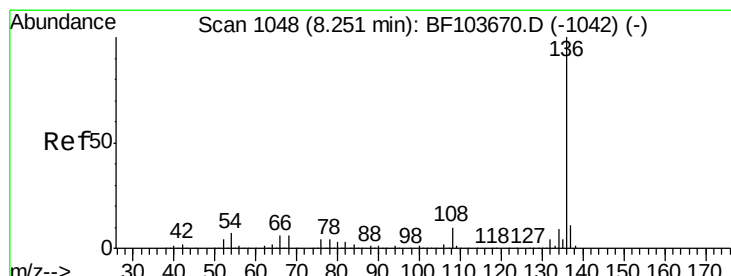
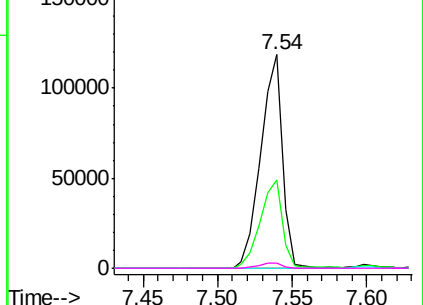


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Tgt Ion:136 Resp: 582542

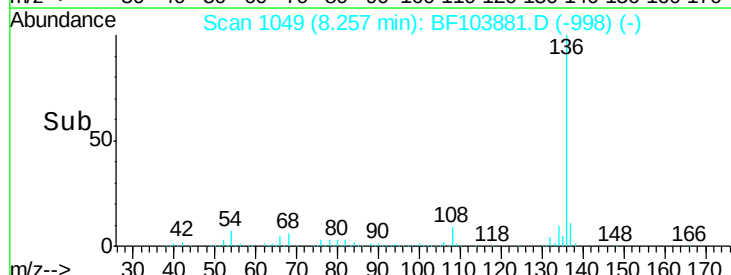
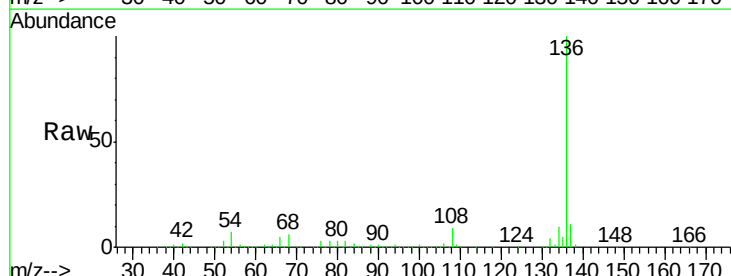
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8

68 6.0 5.0 7.4

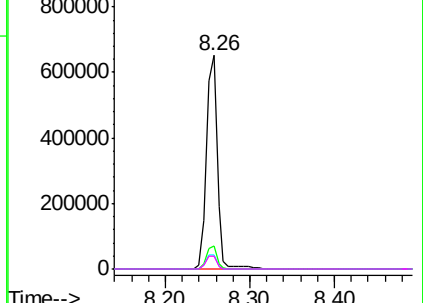


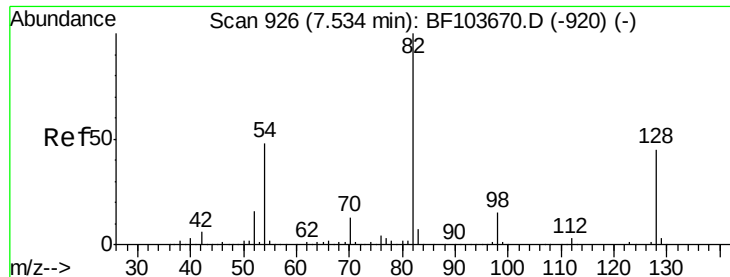
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

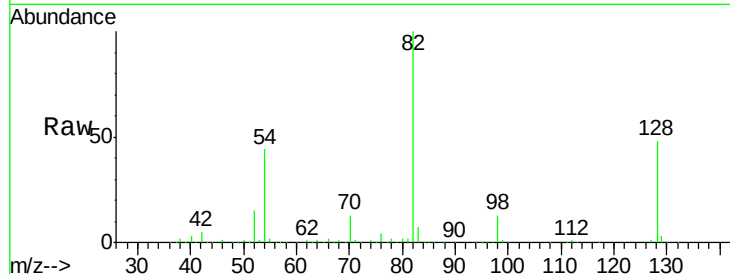




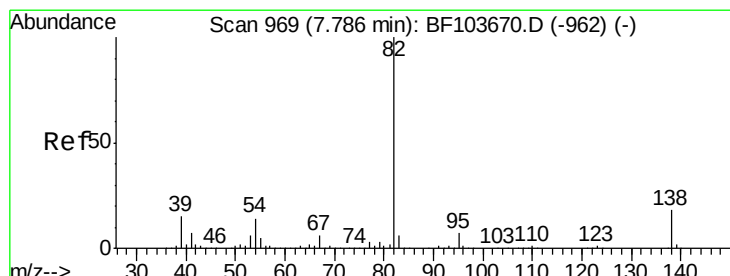
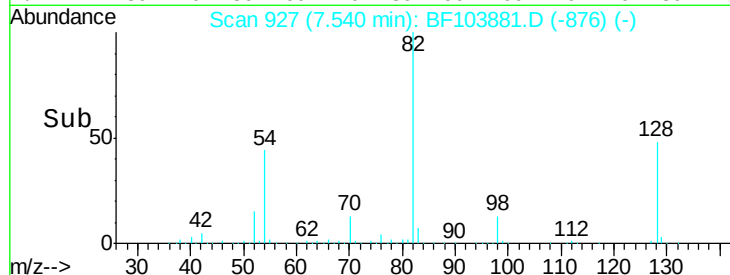
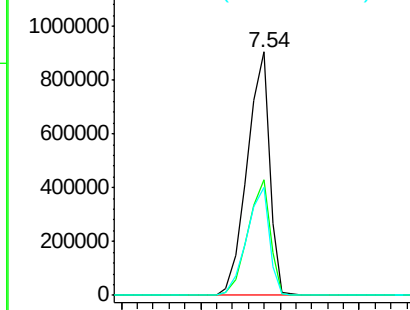
#23
Nitrobenzene-d5
Concen: 106.013 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 885584
Ion Ratio Lower Upper
82 100
128 47.6 36.1 54.1
54 44.1 41.4 62.2

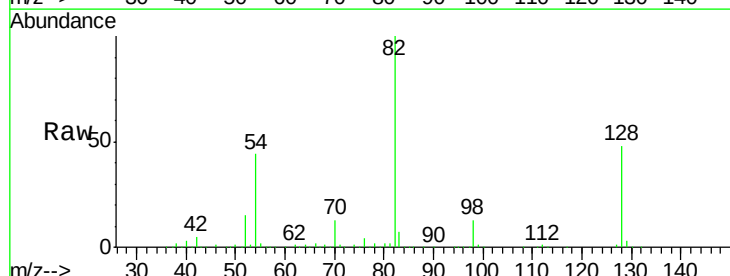


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

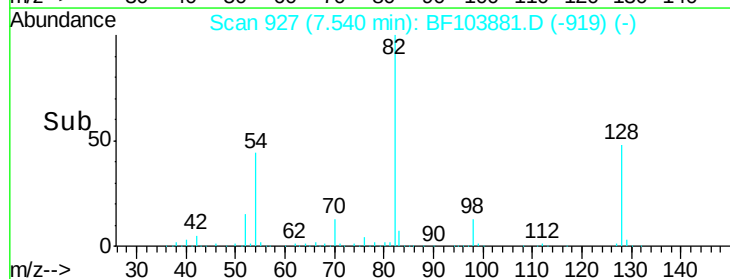
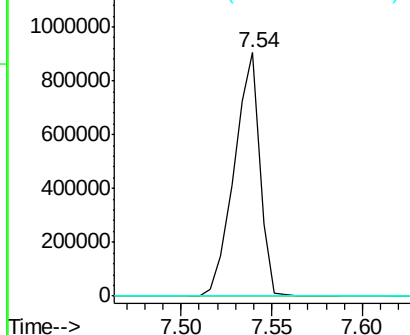


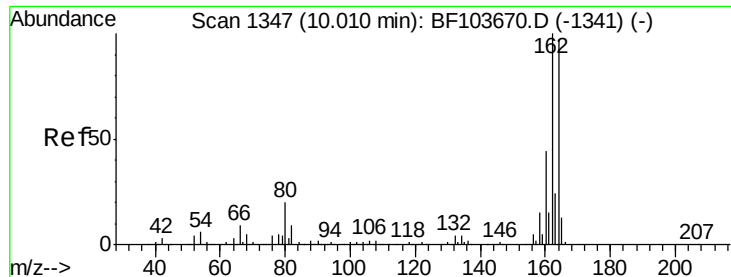
#25
Isophorone
Concen: 45.700 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.25 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

Tgt Ion: 82 Resp: 883734
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

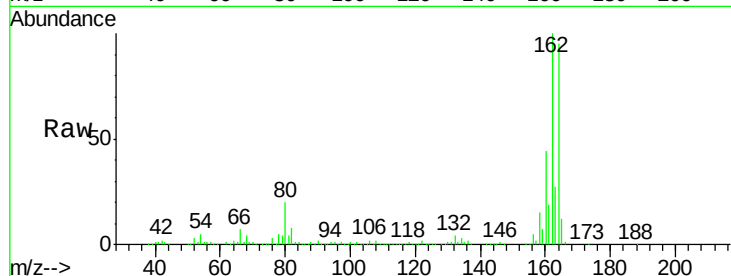




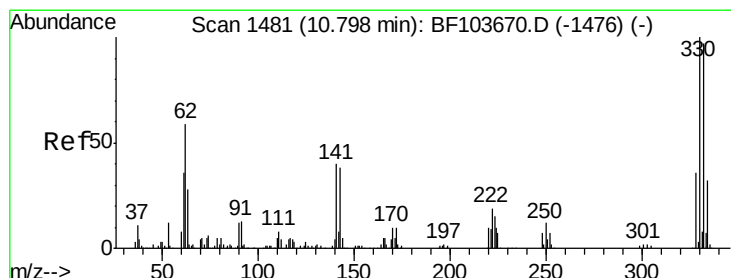
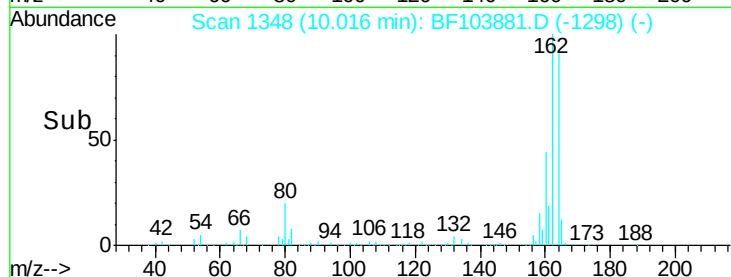
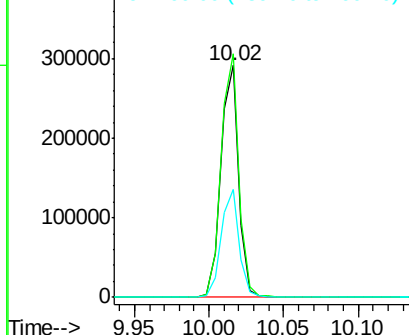
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 244772
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 46.5 38.3 57.5

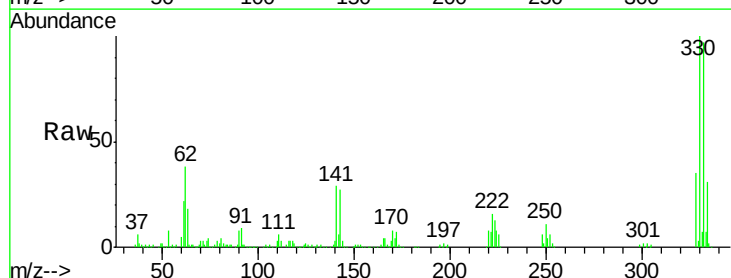


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

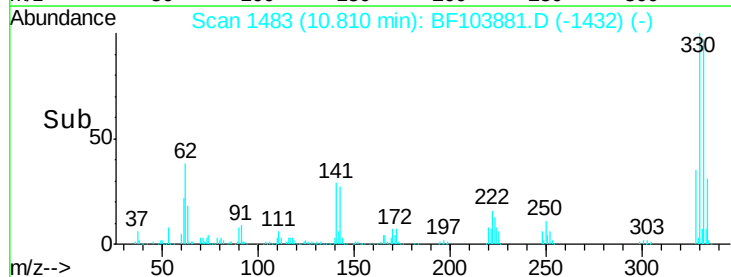
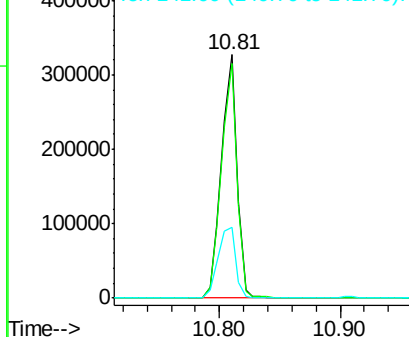


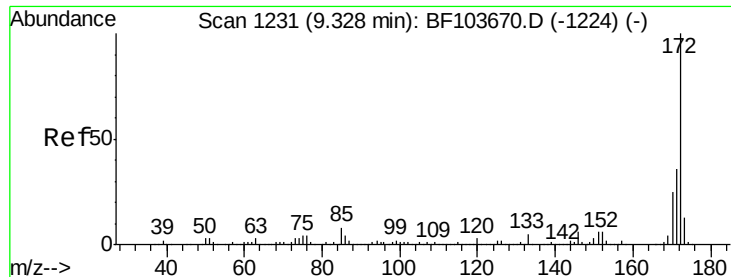
#41
 2,4,6-Tribromophenol
 Concen: 138.737 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Tgt Ion:330 Resp: 291982
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 32.6 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

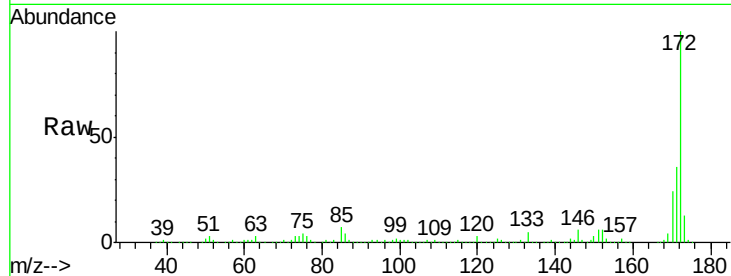




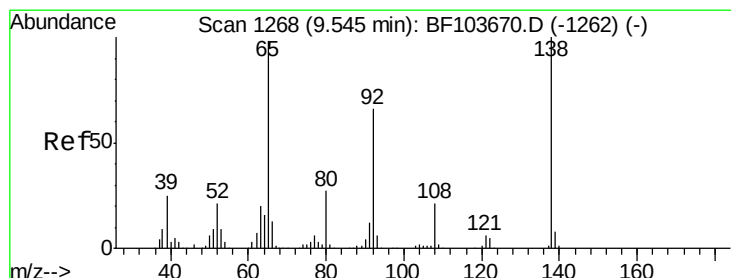
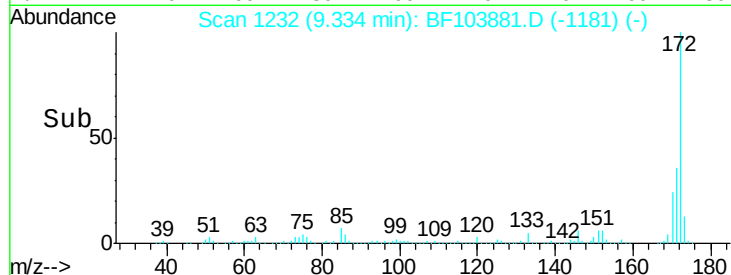
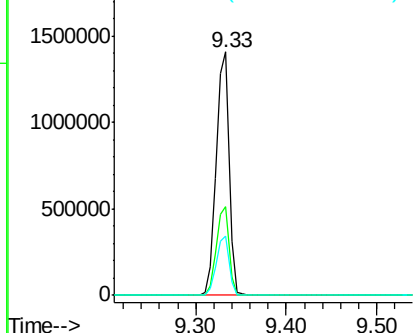
#44
 2-Fluorobiphenyl
 Concen: 89.853 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1378770
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 19.6 29.4

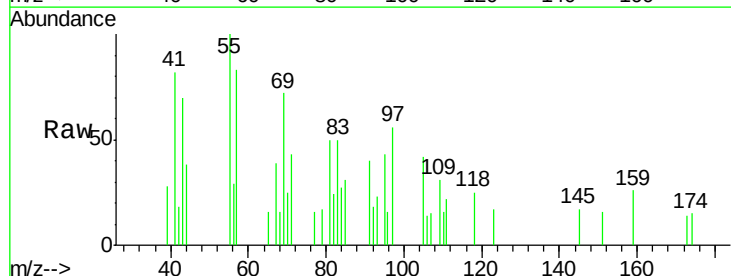


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

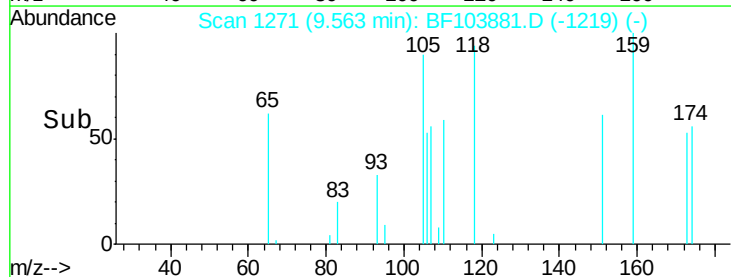
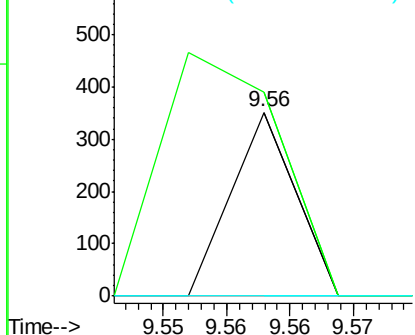


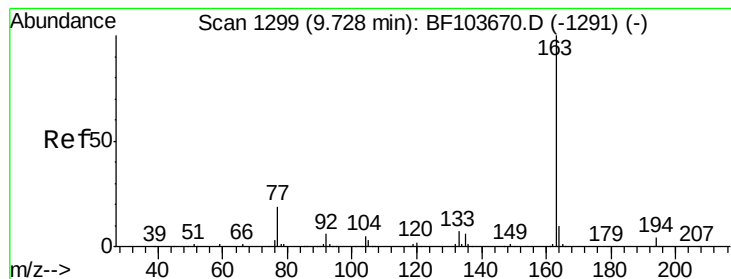
#47
 2-Nitroaniline
 Concen: 6.839 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Tgt Ion: 65 Resp: 124
 Ion Ratio Lower Upper
 65 100
 92 110.5 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: 7.551 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

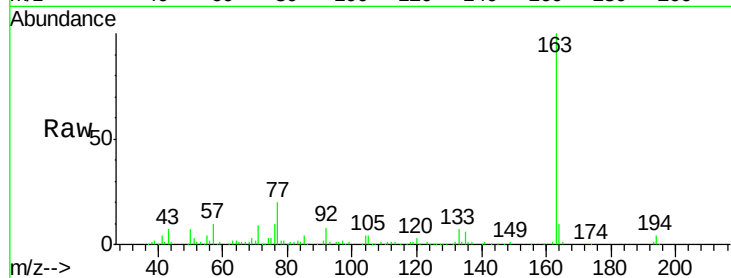
Tot Ion:163 Resp: 141022

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

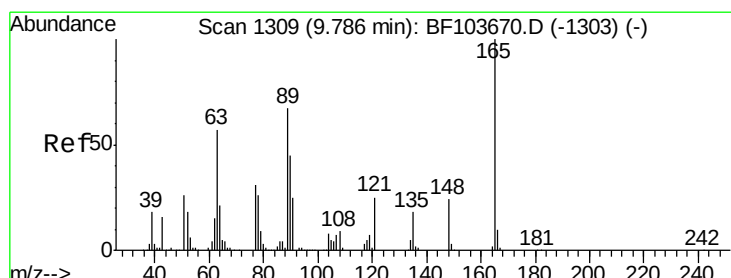
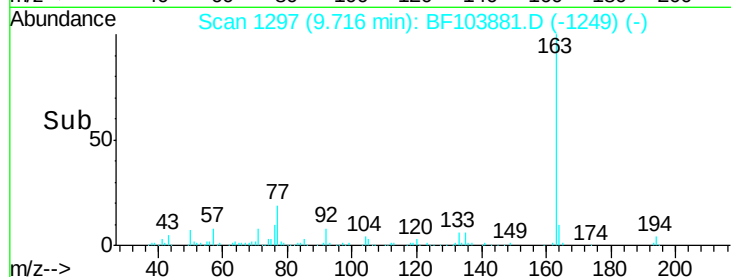
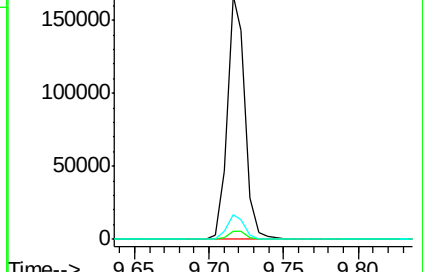
164 10.2 8.2 12.2



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: 4.420 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

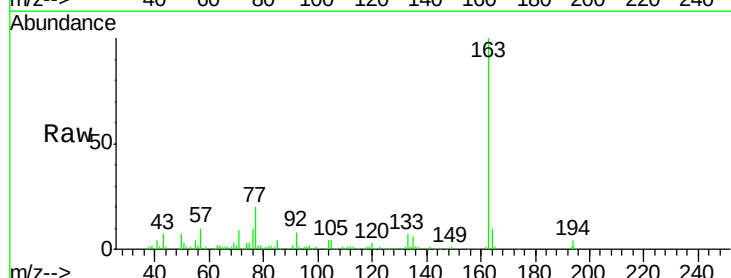
Tgt Ion:165 Resp: 1717

Ion Ratio Lower Upper

165 100

63 127.3 44.7 67.1#

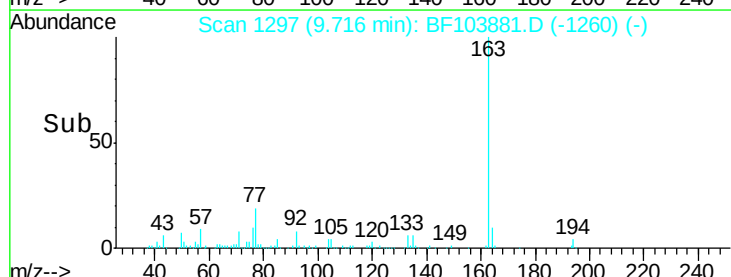
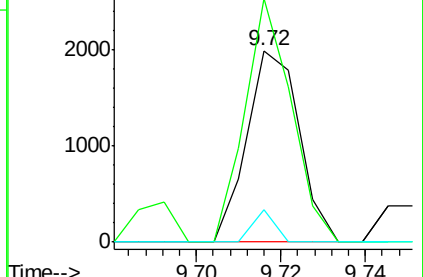
89 16.9 44.0 66.0#

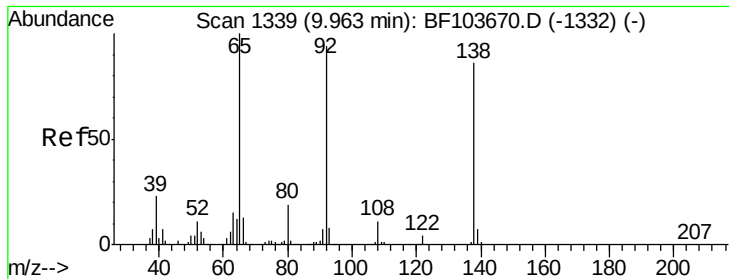


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

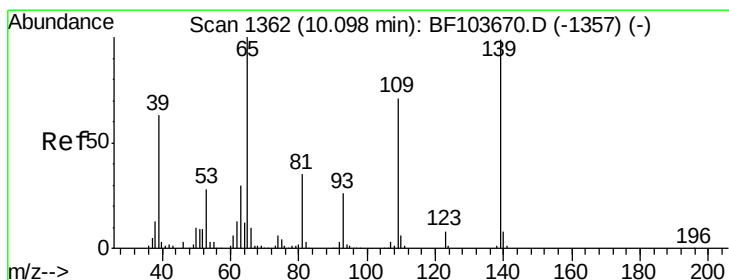
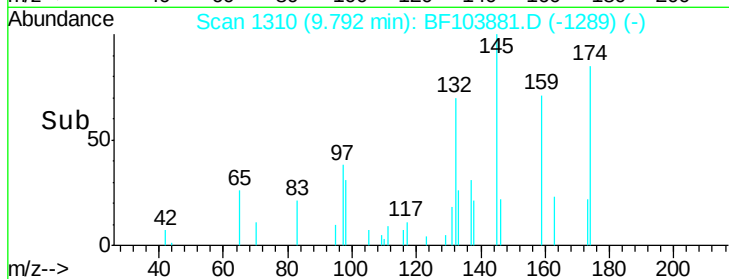
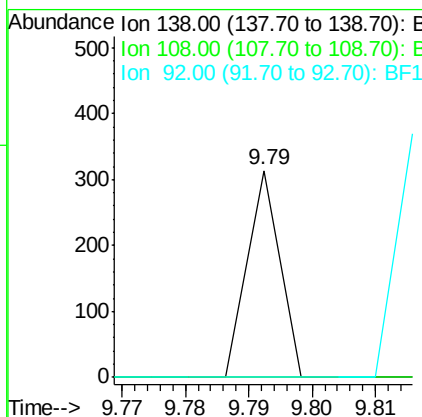
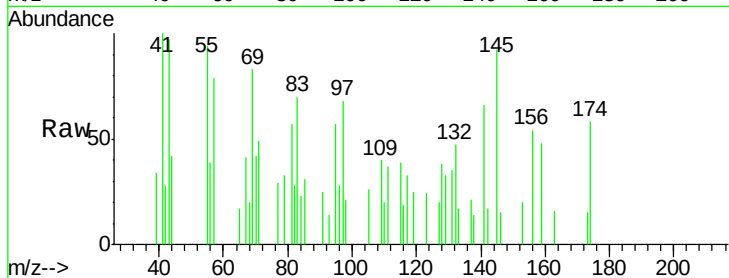




#52
 3-Nitroaniline
 Concen: 3.838 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.18 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

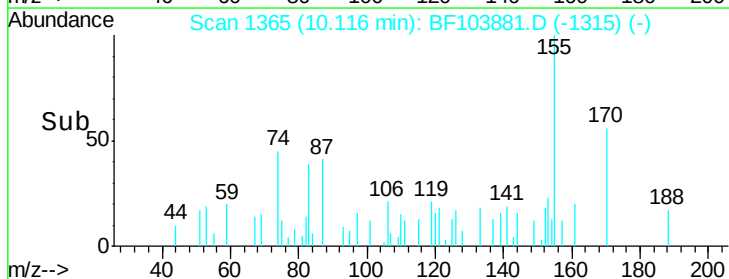
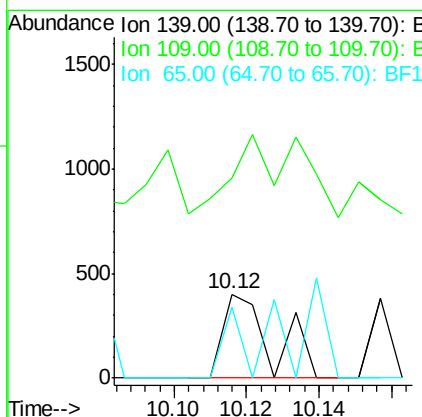
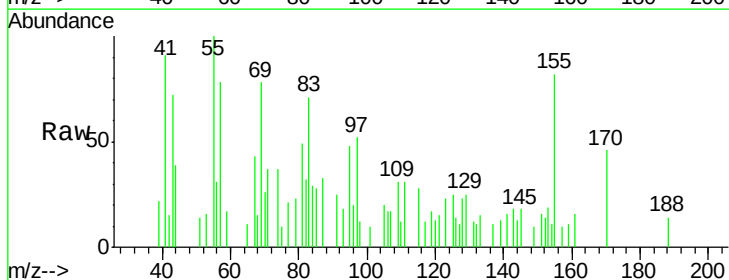
Instrument :
 BNA_F
 ClientSampled :

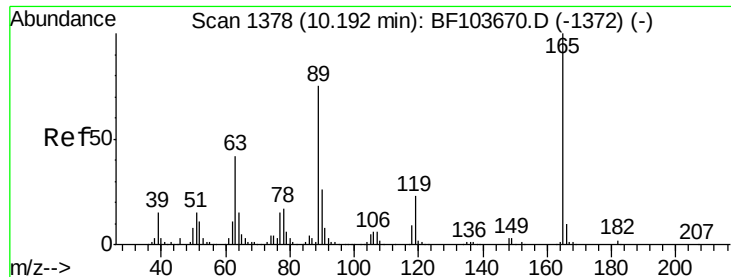
Tot Ion:138 Resp: 111
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.4 14.0#
 92 0.0 89.4 134.2#



#55
 4-Nitrophenol
 Concen: 5.073 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Tgt Ion:139 Resp: 378
 Ion Ratio Lower Upper
 139 100
 109 238.3 48.4 88.4#
 65 84.6 72.6 112.6

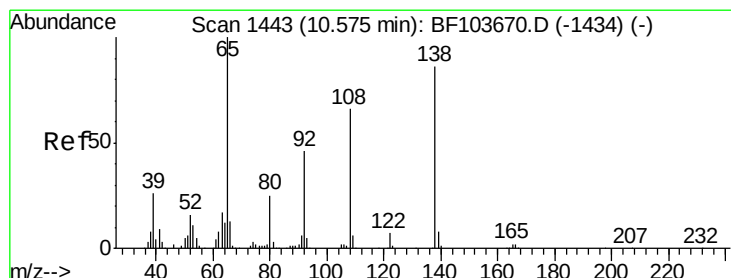
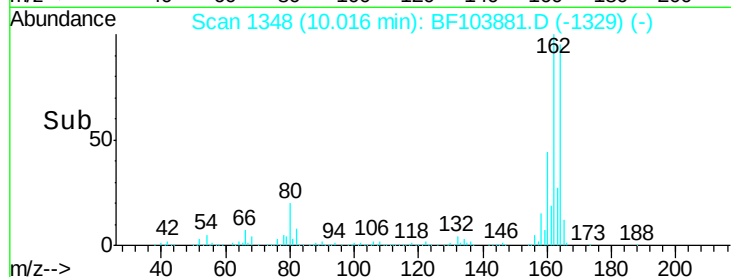
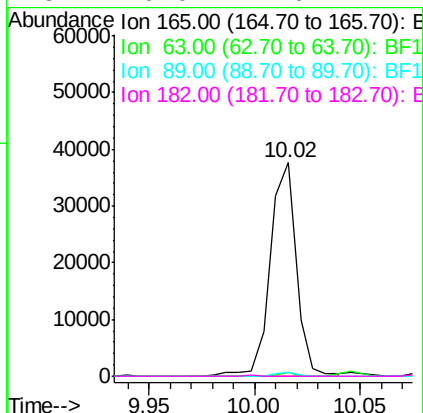
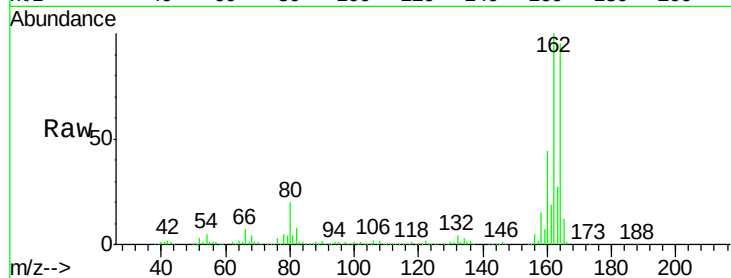




#56
 2,4-Dinitrotoluene
 Concen: 12.413 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

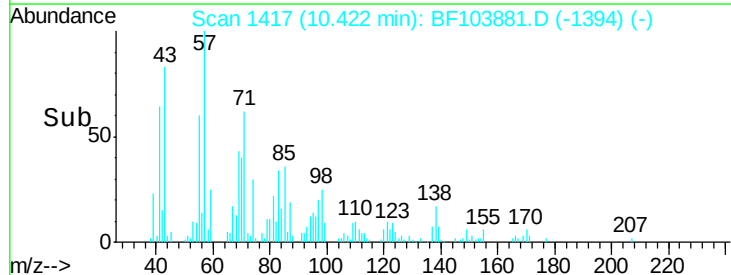
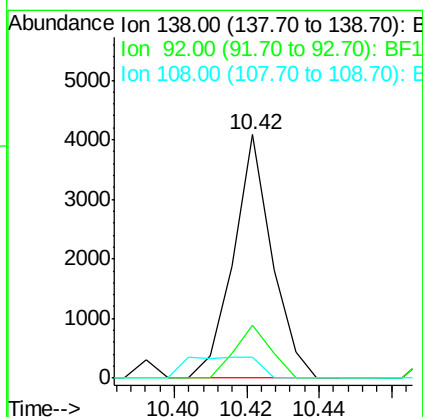
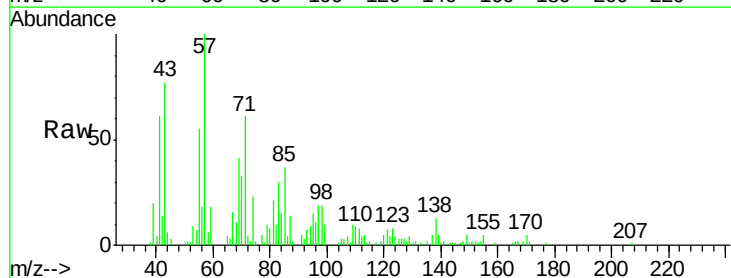
Instrument :
 BNA_F
 ClientSampleId :

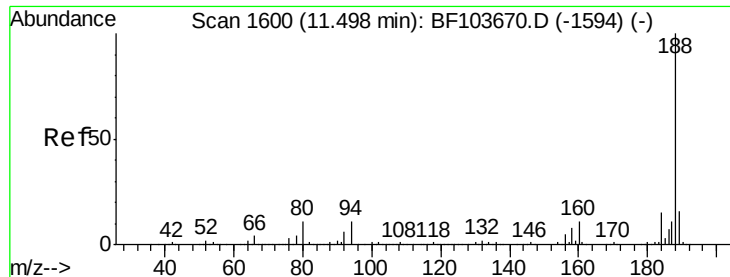
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#61
 4-Nitroaniline
 Concen: 4.419 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.16 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	21.8	30.2	70.2#
108	8.4	52.5	92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

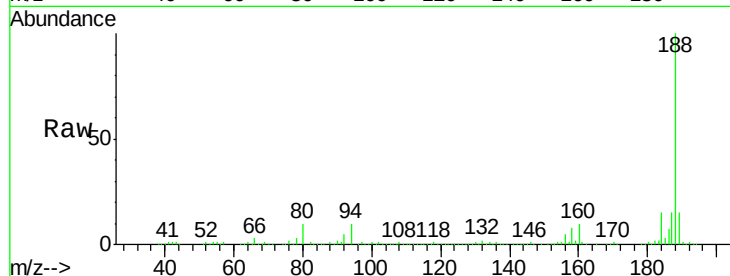
Tot Ion:188 Resp: 366097

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

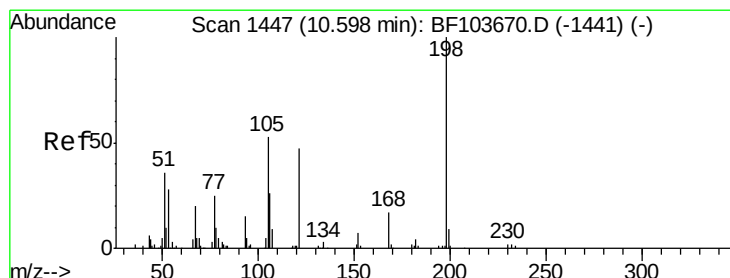
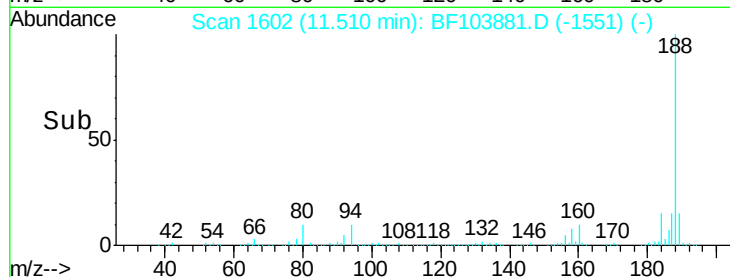
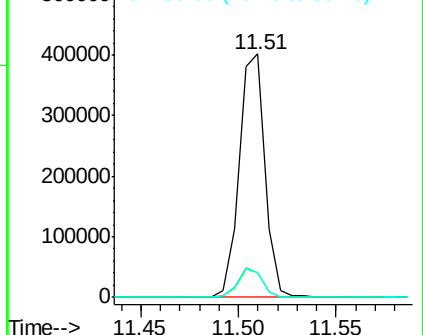
80 10.2 9.2 13.8



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: 8.604 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

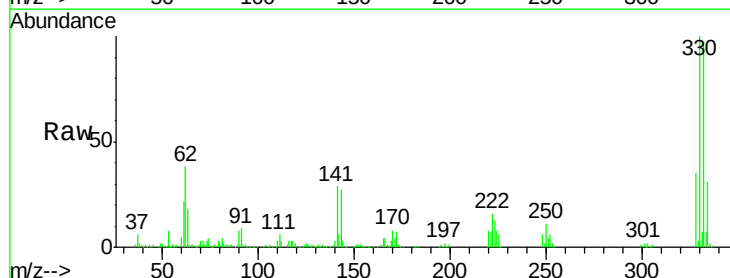
Tgt Ion:198 Resp: 596

Ion Ratio Lower Upper

198 100

51 181.6 37.7 77.7#

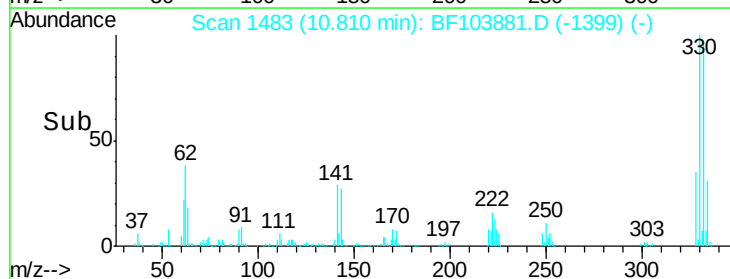
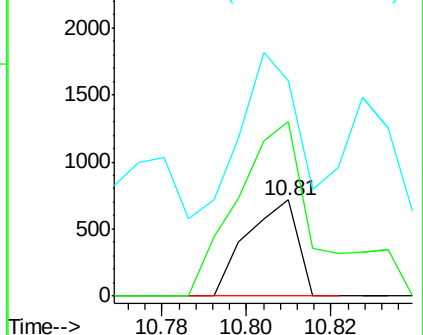
105 223.9 36.3 76.3#

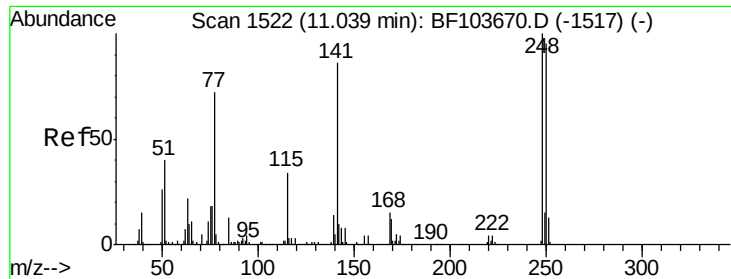


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

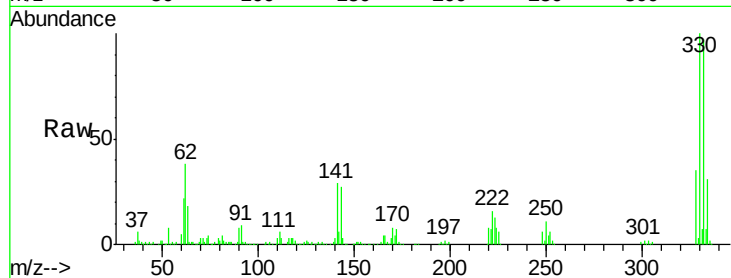




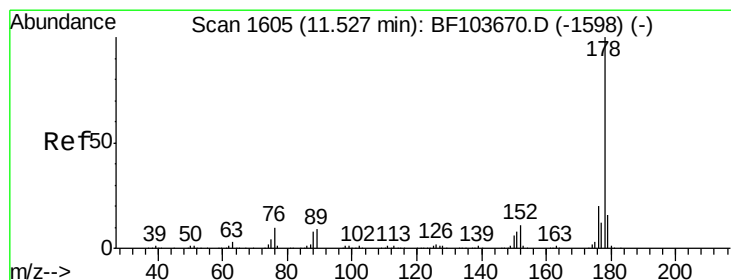
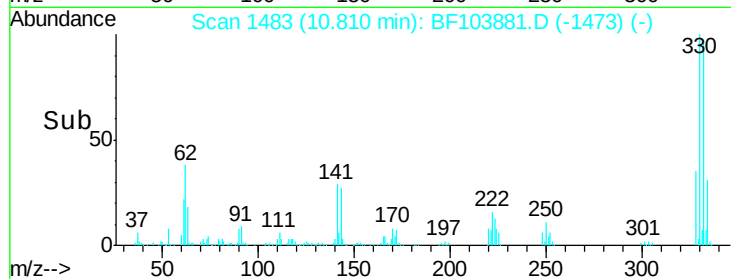
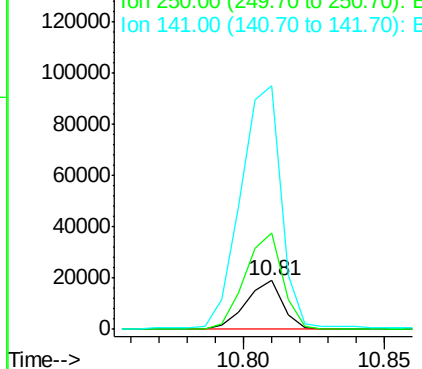
#66
 4-Bromophenyl-phenylether
 Concen: 4.594 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17269
 Ion Ratio Lower Upper
 248 100
 250 198.1 76.9 115.3#
 141 500.8 74.4 111.6#

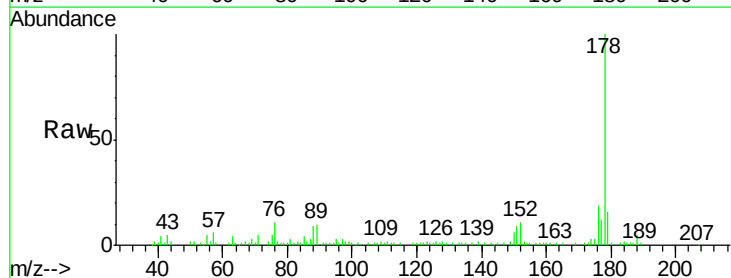


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

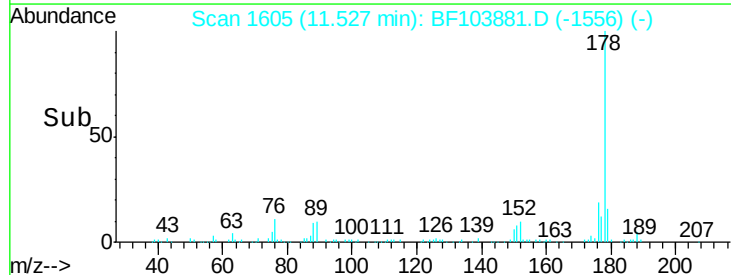
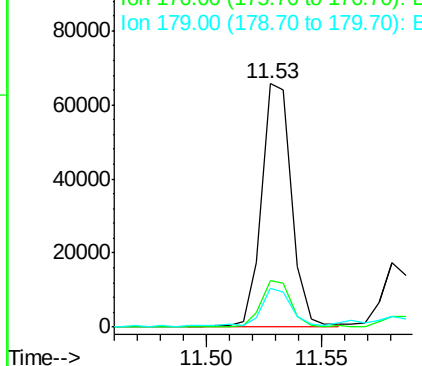


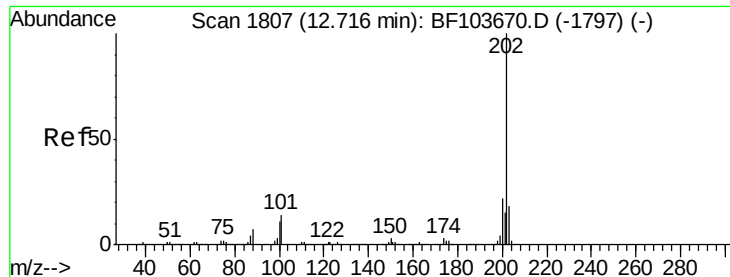
#70
 Phenanthrene
 Concen: 2.985 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103881.D
 Acq: 23 Mar 2018 15:40

Tgt Ion:178 Resp: 59785
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.534 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampled :

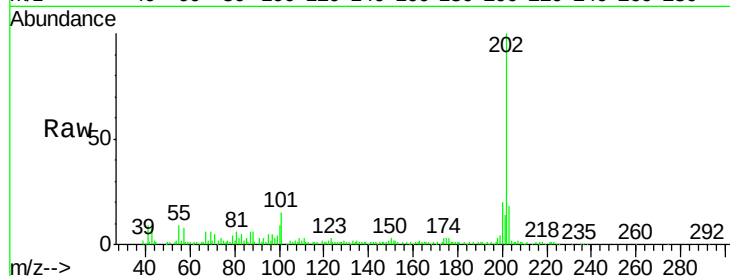
Tot Ion:202 Resp: 72917

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

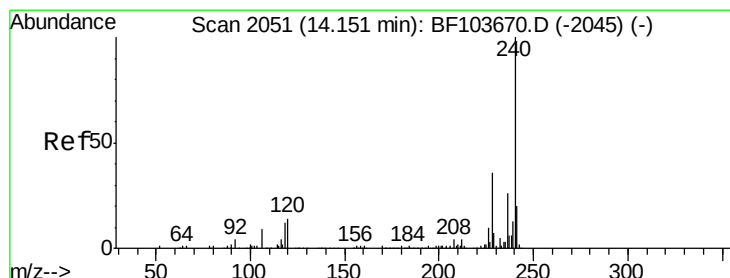
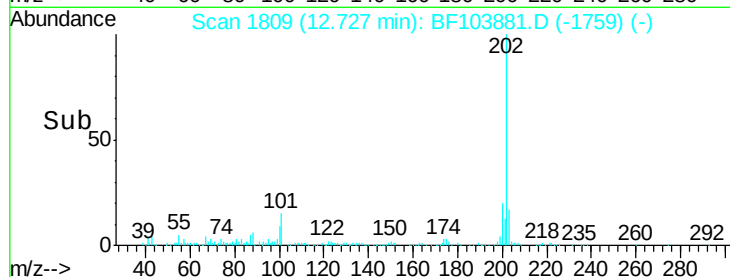
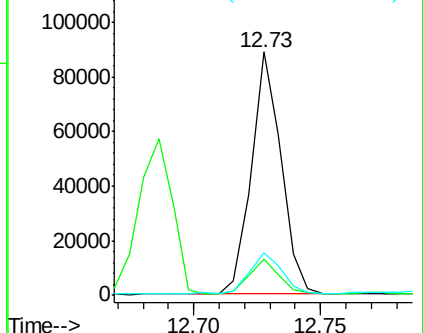
203 17.8 0.0 38.1



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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

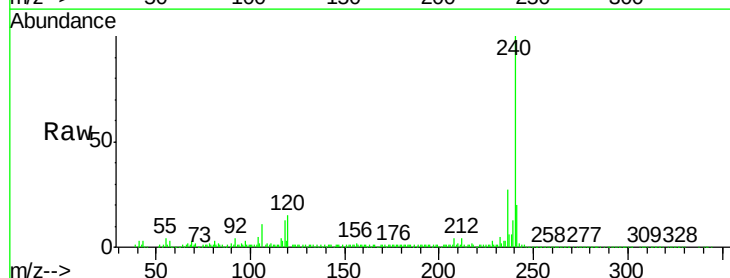
Tgt Ion:240 Resp: 293599

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

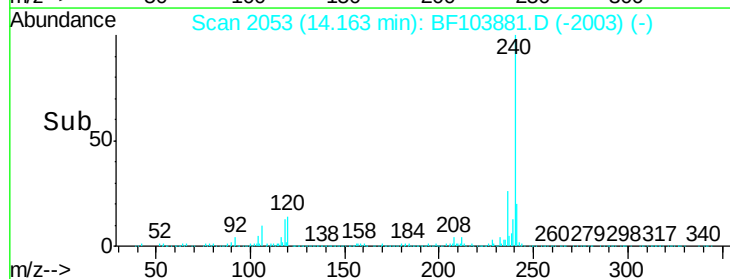
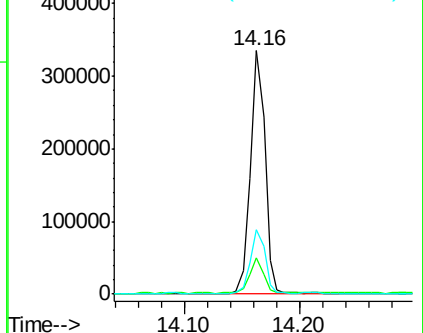
236 26.6 20.7 31.1

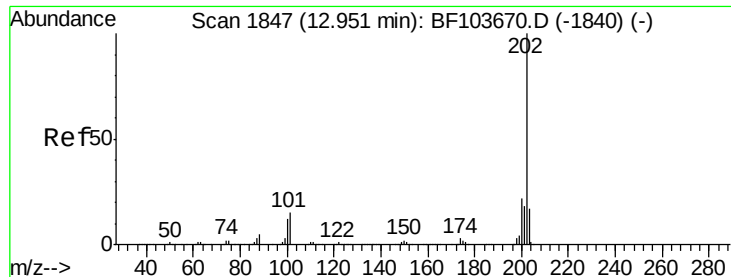


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.987 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

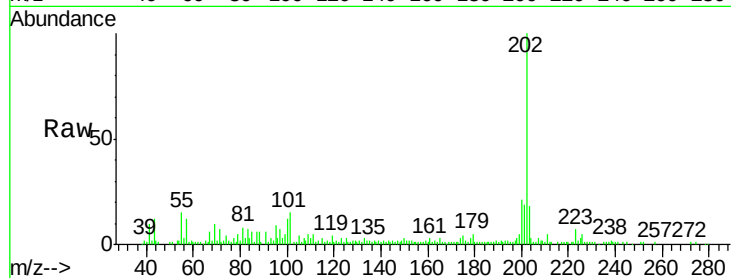
Tot Ion:202 Resp: 64401

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

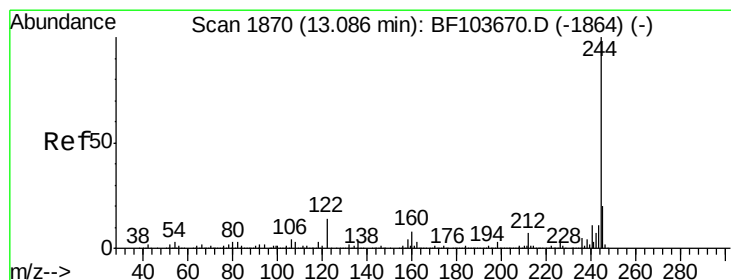
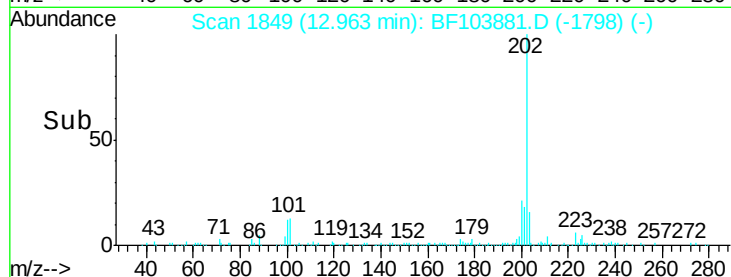
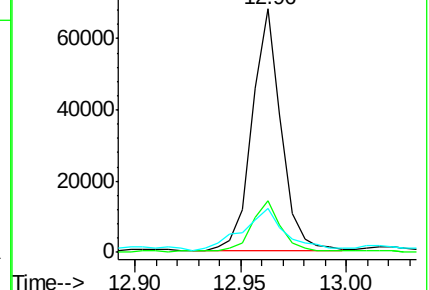
203 17.8 14.3 21.5



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



#78

Terphenyl-d14

Concen: 82.602 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

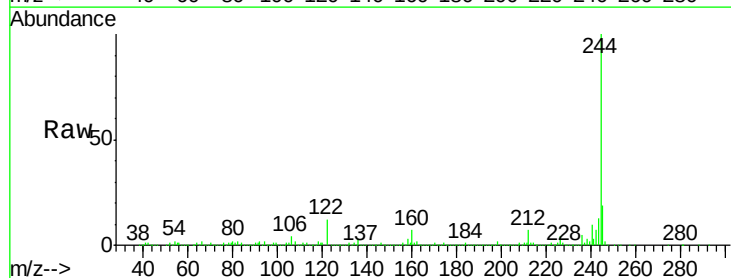
Tgt Ion:244 Resp: 1044822

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

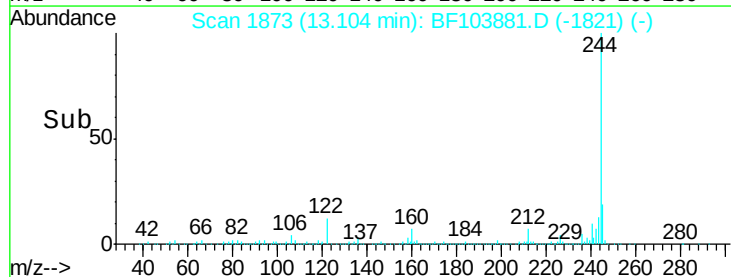
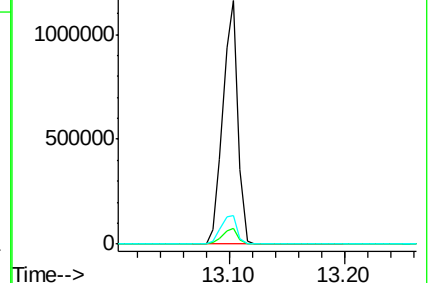
122 12.0 11.0 16.4

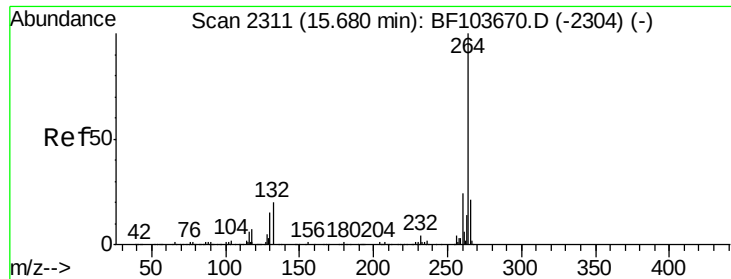


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

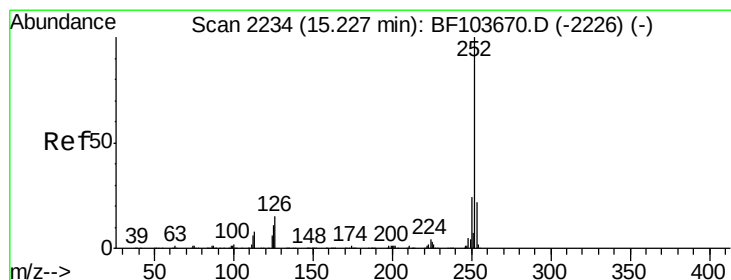
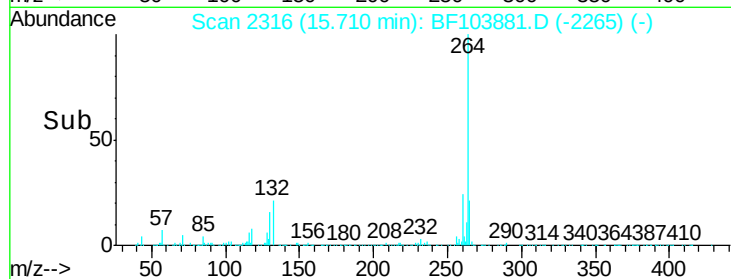
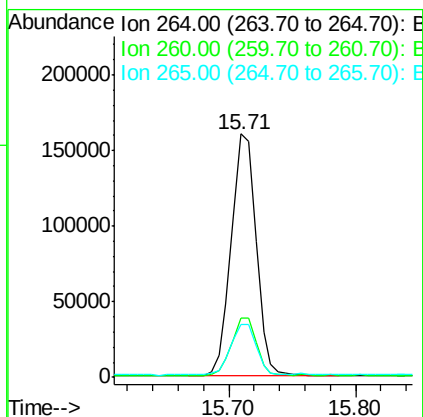
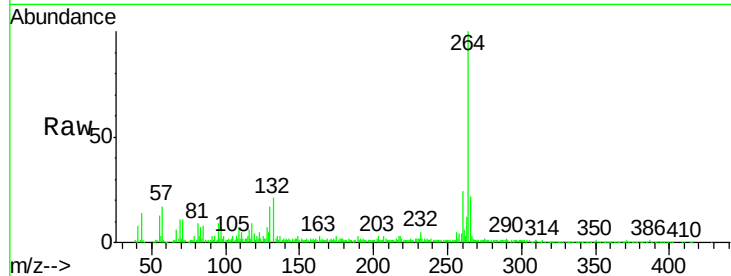




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

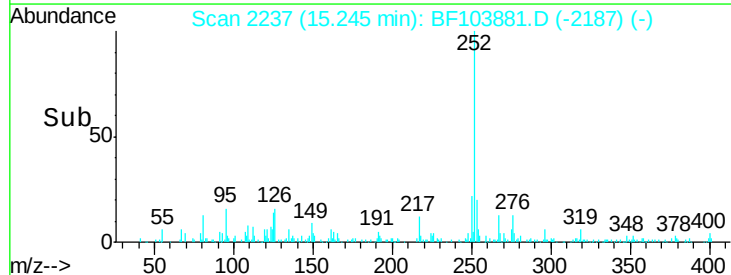
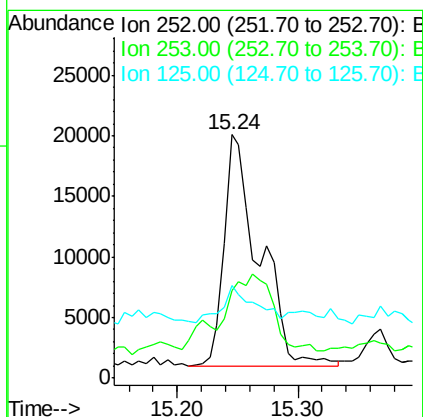
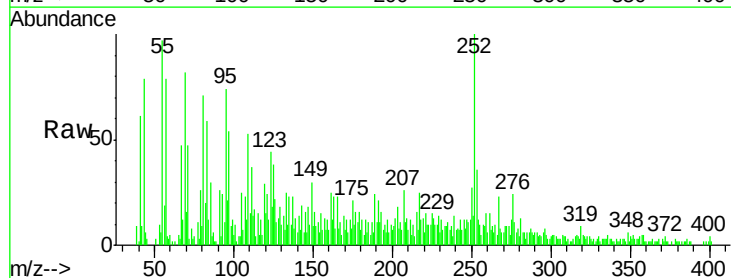
Instrument :
BNA_F
ClientSampleId :

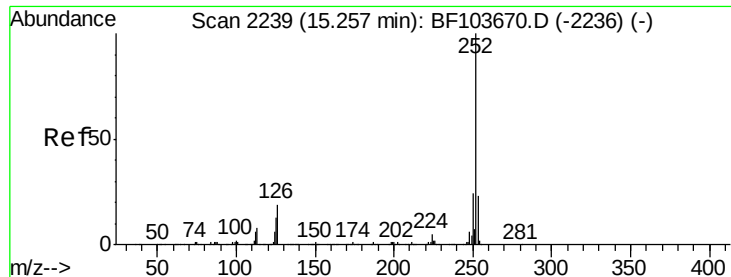
Tot Ion:264 Resp: 217491
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.822 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103881.D
Acq: 23 Mar 2018 15:40

Tgt Ion:252 Resp: 38780
Ion Ratio Lower Upper
252 100
253 35.8 17.0 25.6#
125 37.9 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.936 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.04 min

Lab File: BF103881.D

Acq: 23 Mar 2018 15:40

Instrument :

BNA_F

ClientSampleId :

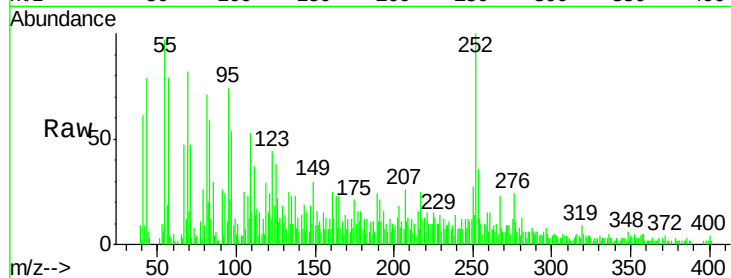
Tot Ion:252 Resp: 38780

Ion Ratio Lower Upper

252 100

253 35.8 17.9 26.9#

125 37.9 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

