

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103781.D
 Acq On : 20 Mar 2018 2:45
 Operator : JU/SJ
 Sample : J1971-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 04:56:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154115	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	612938	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	270056	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	440245	20.00	ng	0.00
75) Chrysene-d12	14.16	240	327762	20.00	ng	0.00
86) Perylene-d12	15.70	264	269894	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1320820	130.35	ng	0.02
7) Phenol-d6	6.60	99	1651729	133.24	ng	0.01
23) Nitrobenzene-d5	7.54	82	1004761	114.31	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	350497	150.95	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1451724	85.75	ng	0.00
78) Terphenyl-d14	13.10	244	1230337	87.13	ng	0.01

Target Compounds

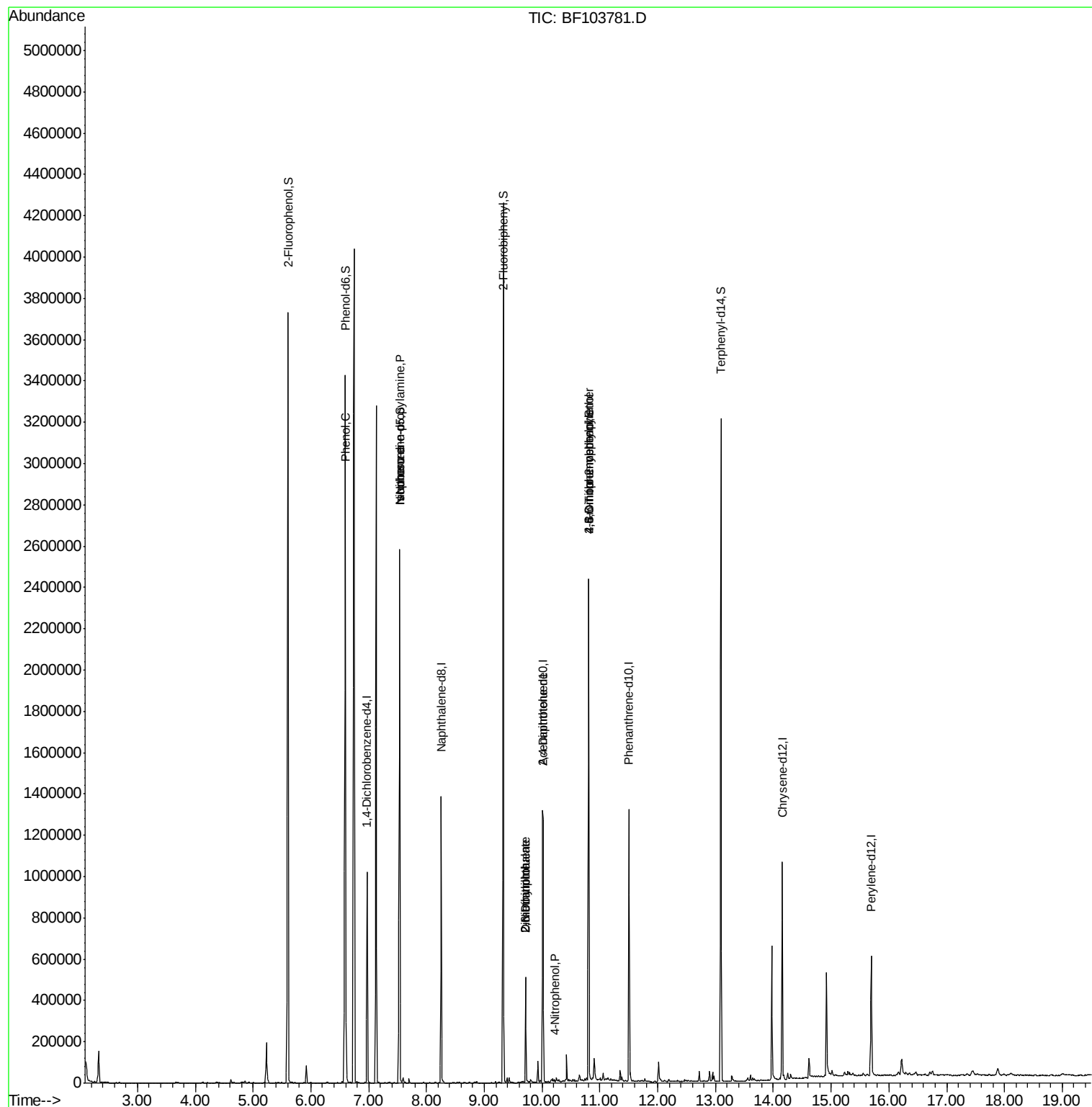
						Qvalue
10) Phenol	6.61	94	40086	3.043	ng	94
19) n-Nitroso-di-n-propylamine	7.54	70	132131	16.632	ng	# 72
25) Isophorone	7.54	82	1004748	49.381	ng	# 64
47) 2-Nitroaniline	9.72	65	1635	7.114	ng	# 1
49) Dimethylphthalate	9.72	163	180950	8.782	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1783	4.394	ng	# 9
55) 4-Nitrophenol	10.22	139	121	5.000	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	34467	12.156	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	781	8.648	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	21022	4.651	ng	# 1

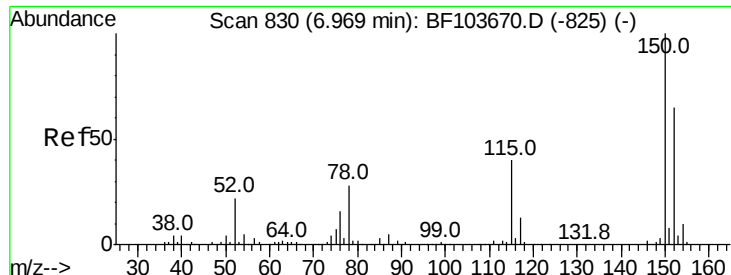
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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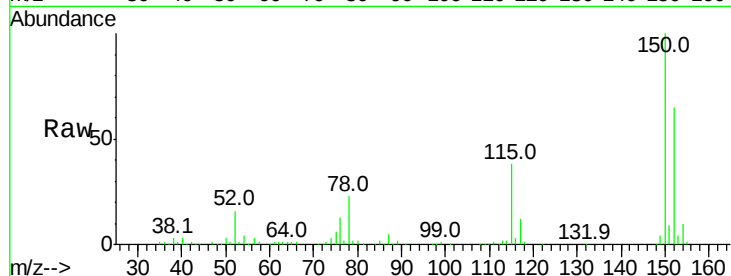


#1

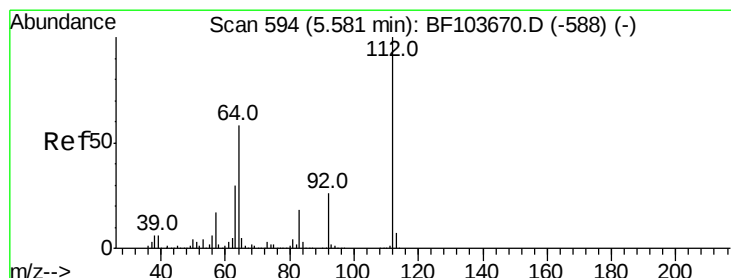
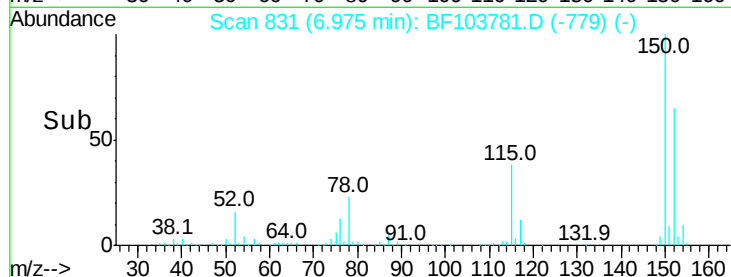
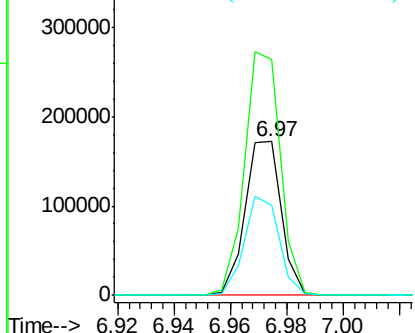
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154115
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 58.2 50.1 75.1



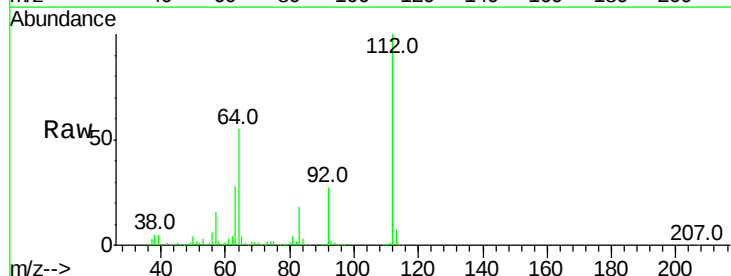
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



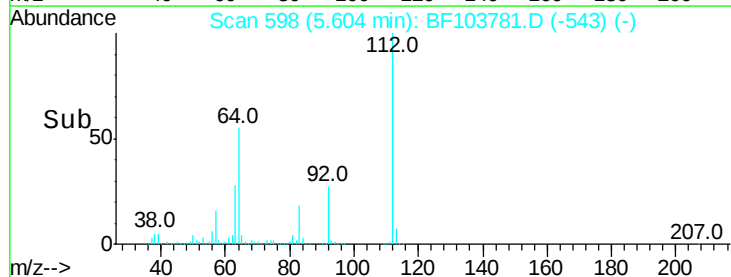
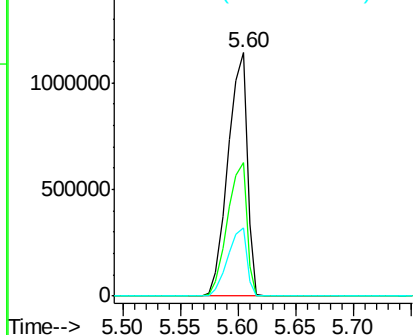
#5

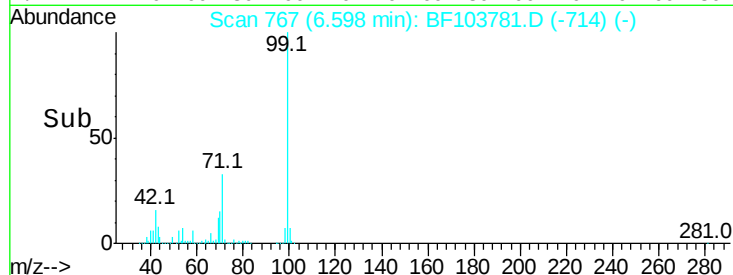
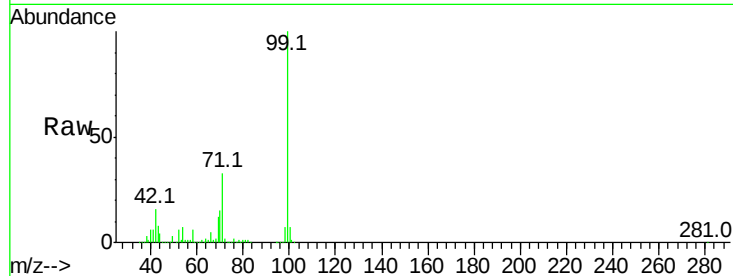
2-Fluorophenol
Concen: 130.355 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Tgt Ion:112 Resp: 1320820
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.9 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: 133.242 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Instrument :

BNA_F

ClientSampleId :

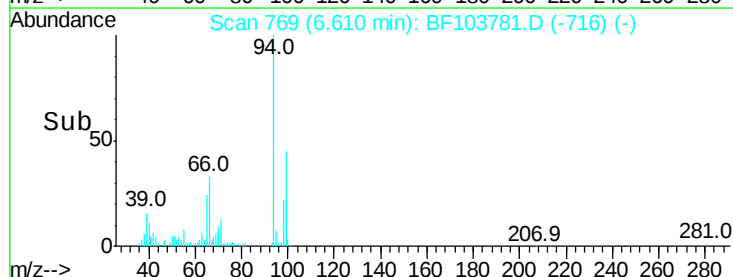
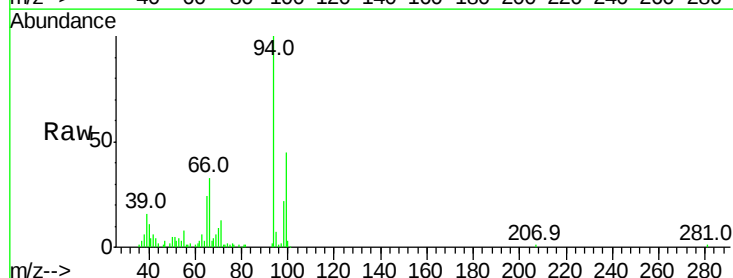
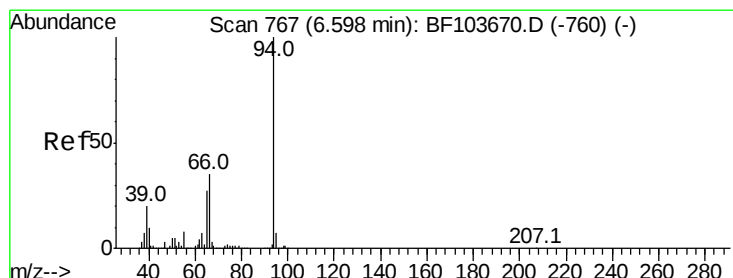
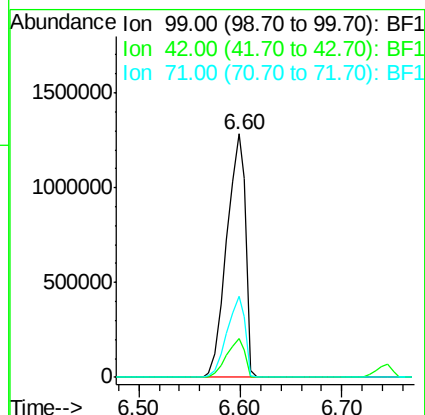
Tot Ion: 99 Resp: 1651729

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.2 25.4 38.0



#10

Phenol

Concen: 3.043 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

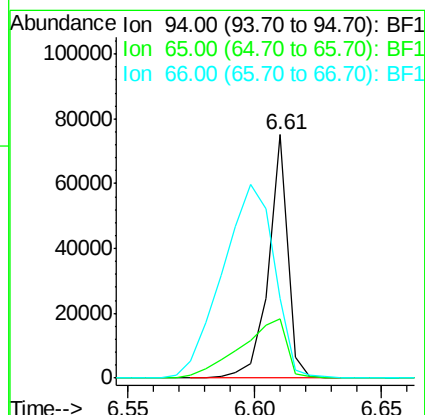
Tgt Ion: 94 Resp: 40086

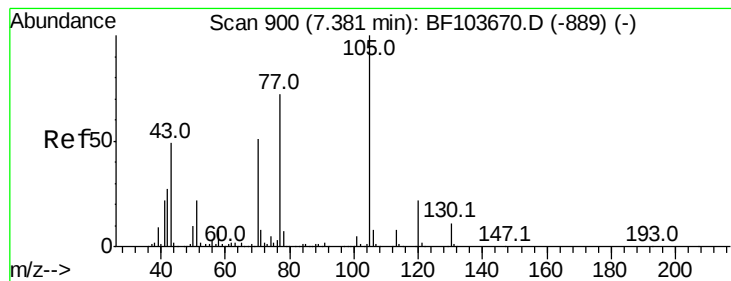
Ion Ratio Lower Upper

94 100

65 24.5 7.9 47.9

66 32.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 16.632 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 132131

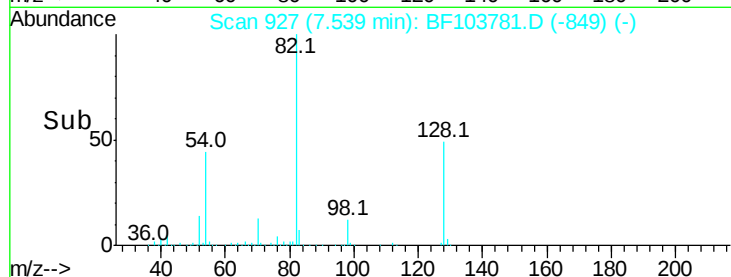
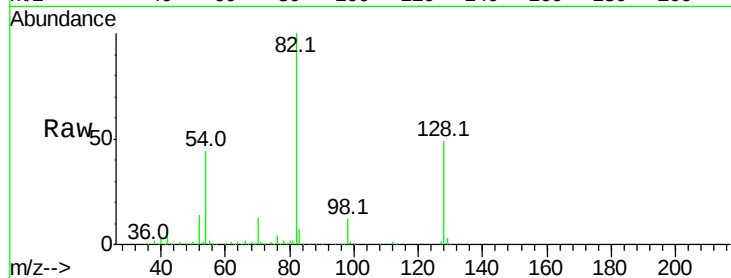
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

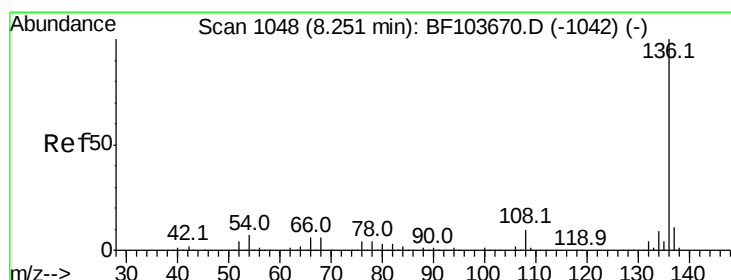
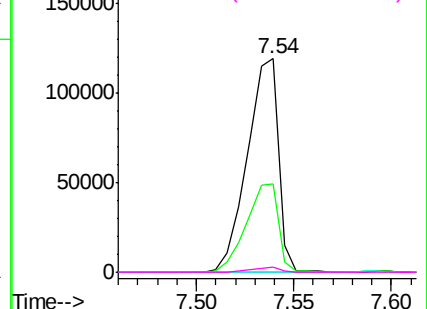


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Tgt Ion: 136 Resp: 612938

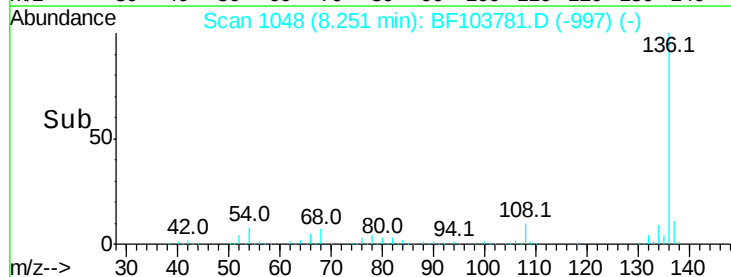
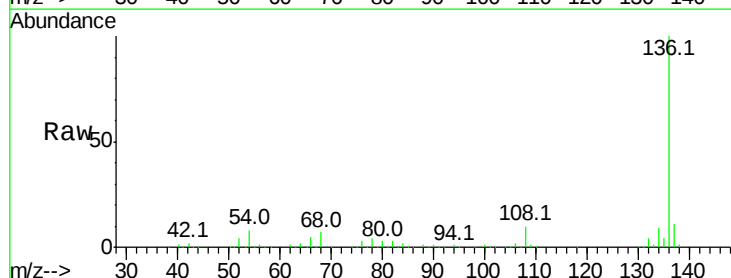
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.7 6.6 9.8

68 6.6 5.0 7.4

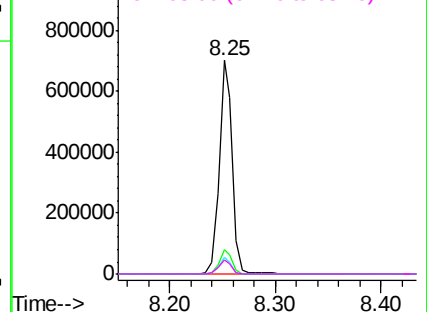


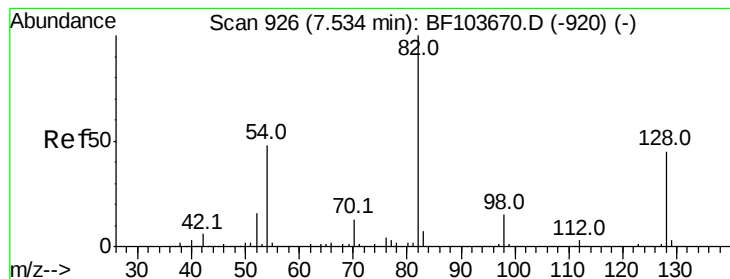
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 114.315 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Instrument :

BNA_F

ClientSampleId :

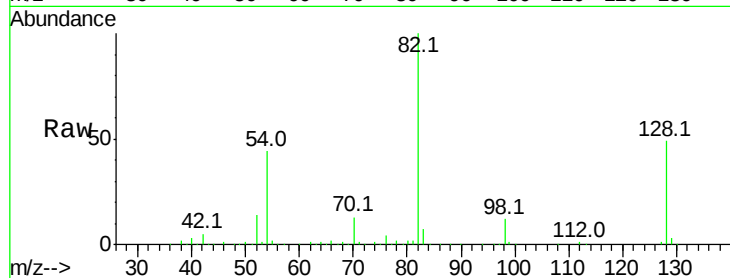
Tot Ion: 82 Resp: 1004761

Ion Ratio Lower Upper

82 100

128 49.4 36.1 54.1

54 43.9 41.4 62.2

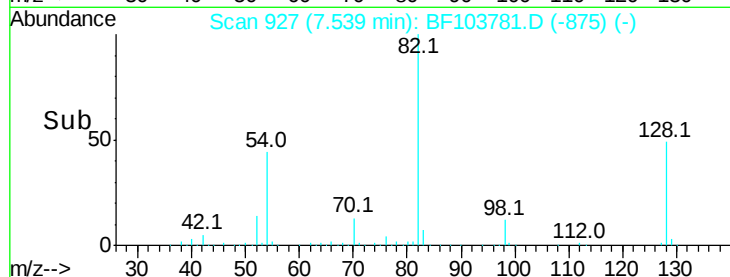


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Time--> 7.45 7.50 7.55 7.60

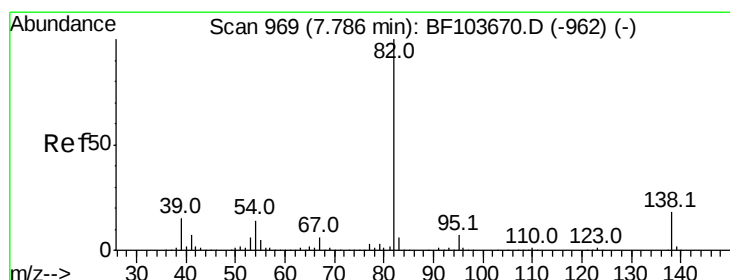


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Time--> 7.45 7.50 7.55 7.60



#25

Isophorone

Concen: 49.381 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

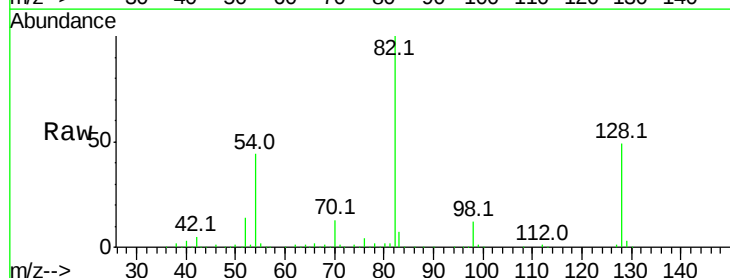
Tgt Ion: 82 Resp: 1004748

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

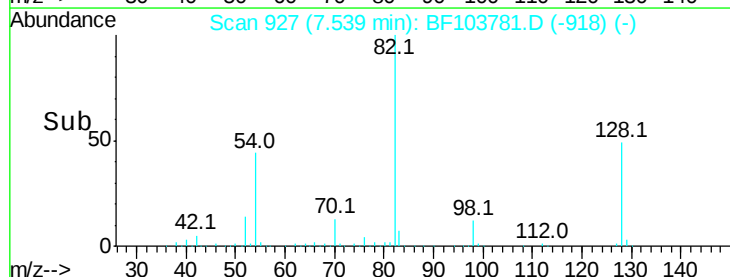


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time--> 7.50 7.55 7.60

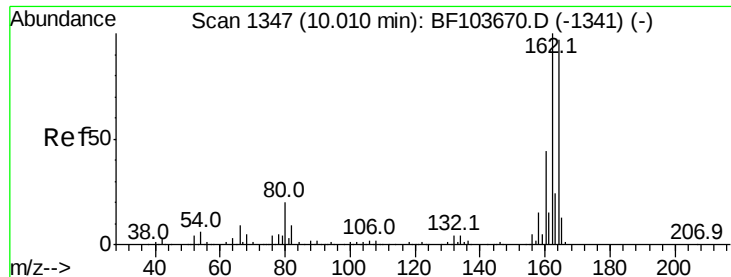


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

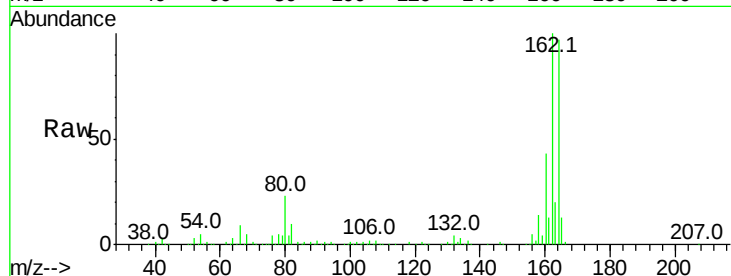
Time--> 7.50 7.55 7.60



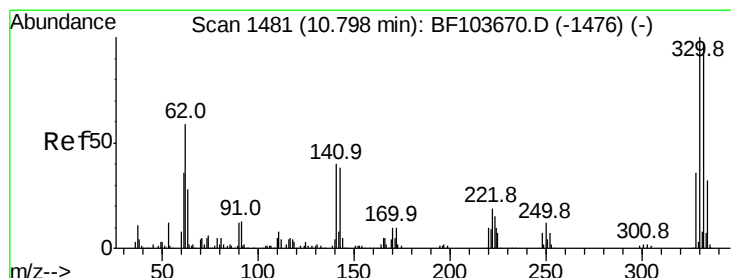
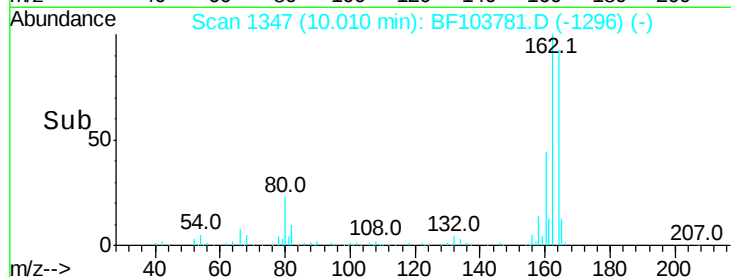
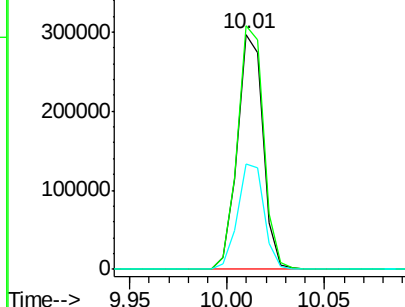
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 270056
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 45.0 38.3 57.5

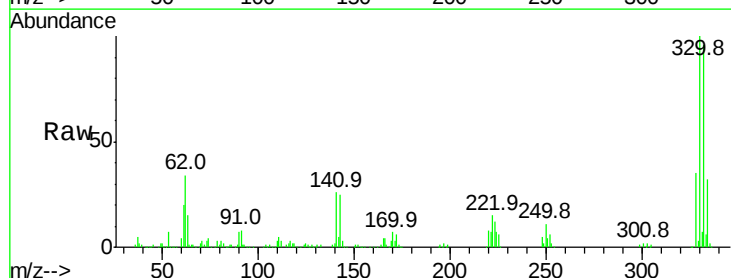


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

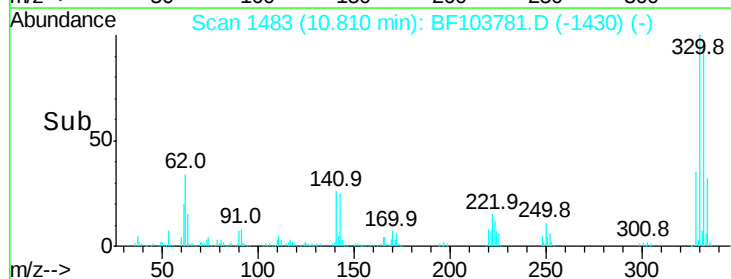
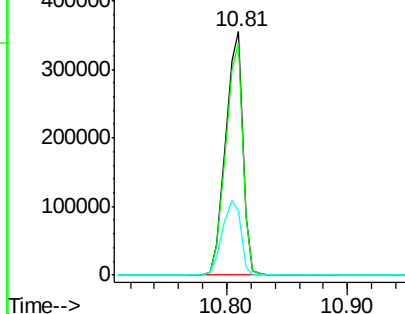


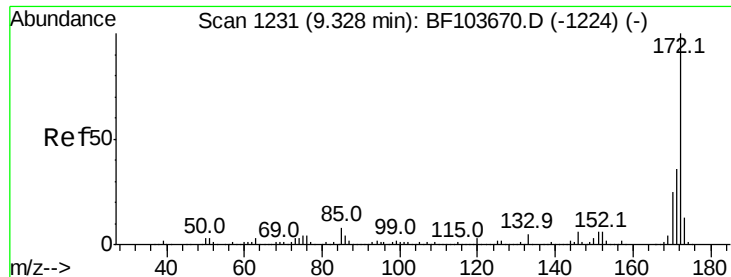
#41
2,4,6-Tribromophenol
Concen: 150.949 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Tgt Ion:330 Resp: 350497
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 32.7 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

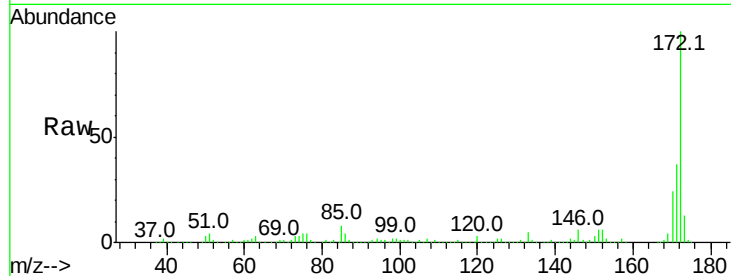




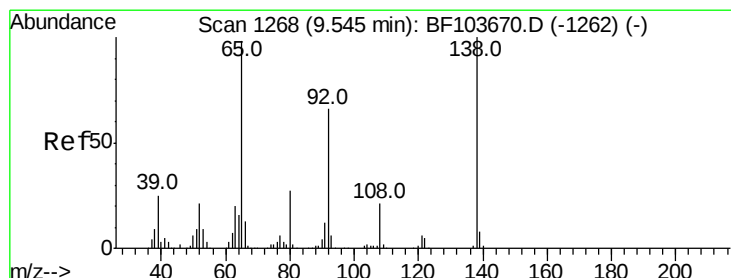
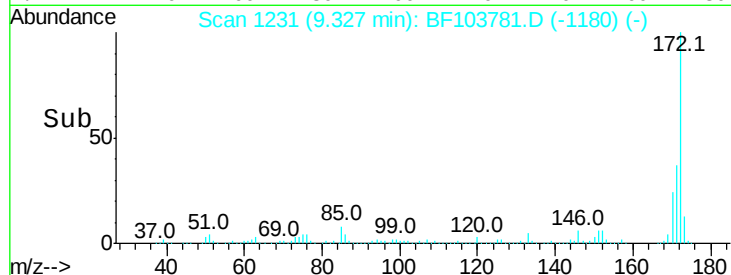
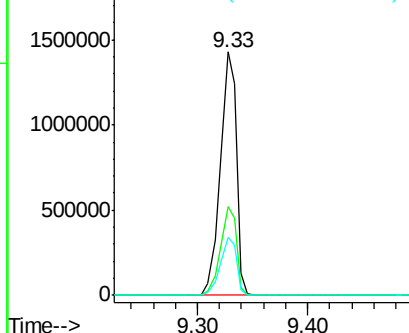
#44
2-Fluorobiphenyl
Concen: 85.750 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1451724
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 23.9 19.6 29.4

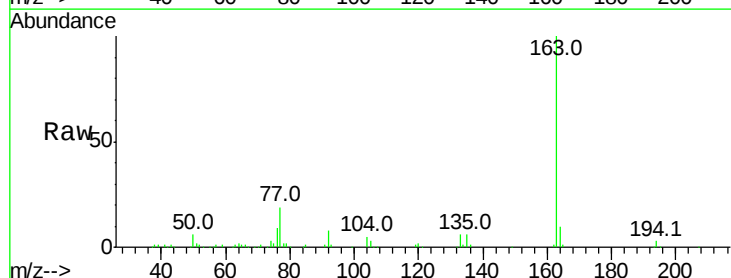


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

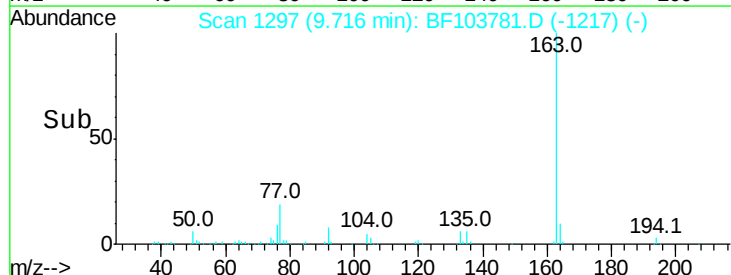
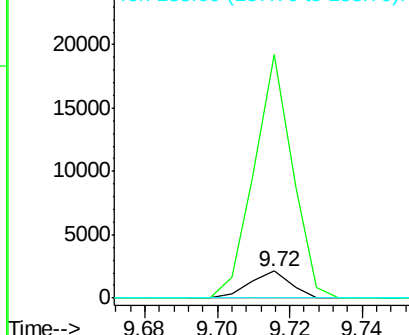


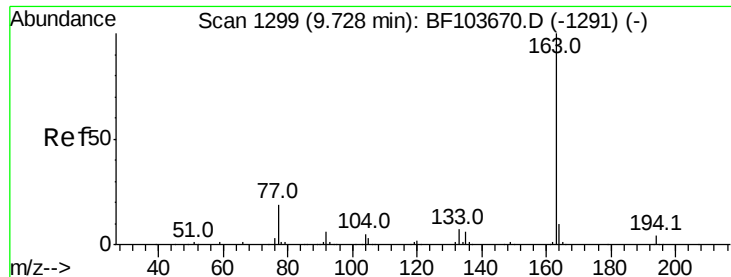
#47
2-Nitroaniline
Concen: 7.114 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Tgt Ion: 65 Resp: 1635
Ion Ratio Lower Upper
65 100
92 909.8 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

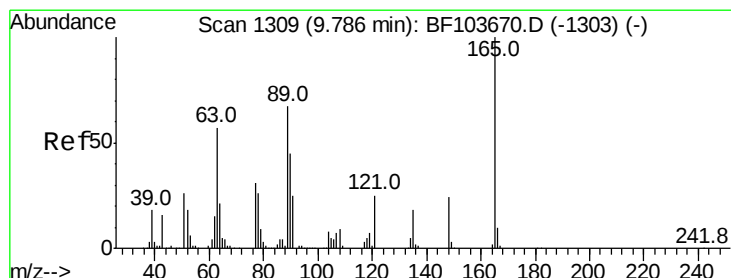
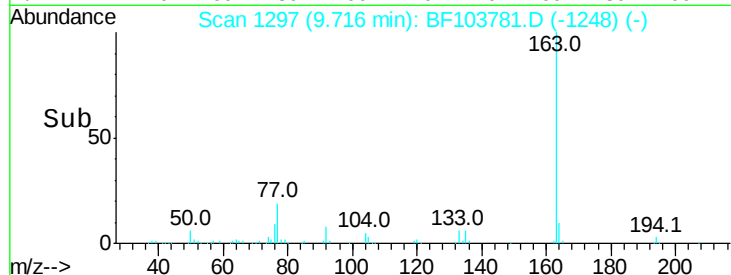
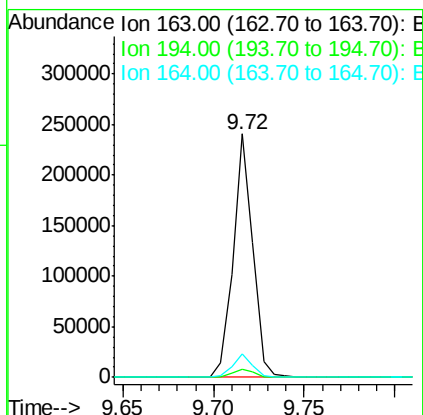
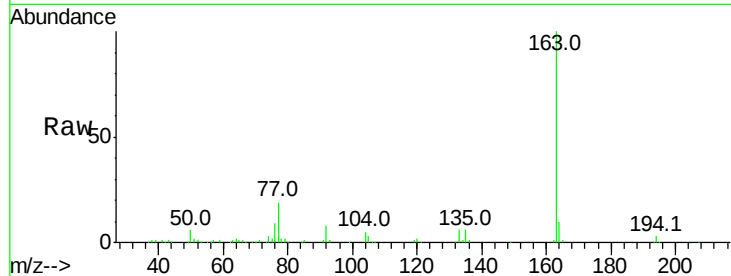




#49
Dimethylphthalate
Concen: 8.782 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

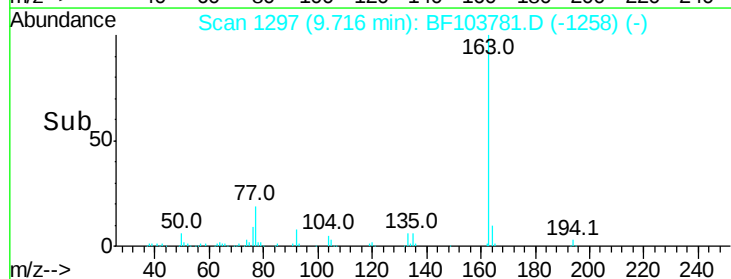
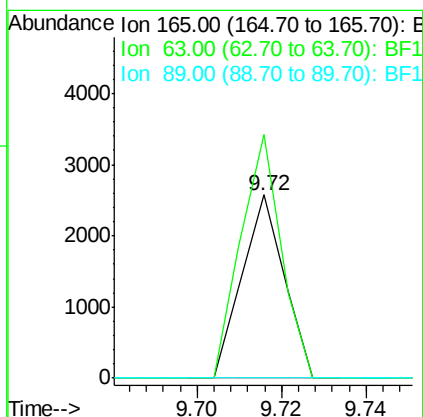
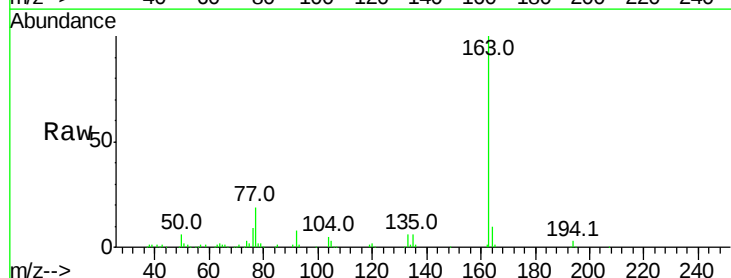
Instrument :
BNA_F
ClientSampleId :

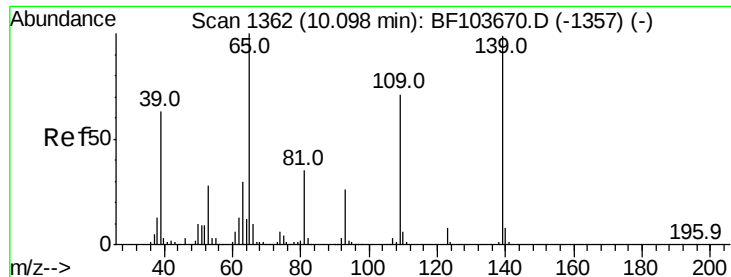
Tot Ion:163 Resp: 180950
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.6 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.394 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Tgt Ion:165 Resp: 1783
Ion Ratio Lower Upper
165 100
63 133.0 44.7 67.1#
89 0.0 44.0 66.0#





#55

4-Nitrophenol

Concen: 5.000 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Instrument :

BNA_F

ClientSampleId :

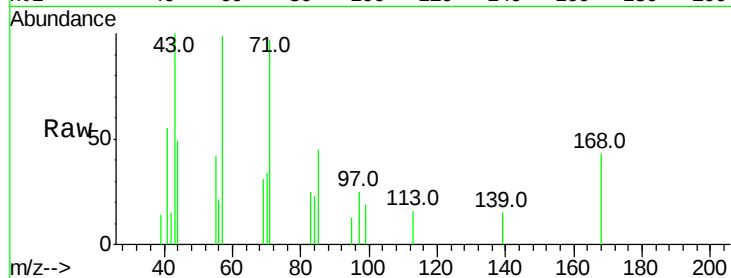
Tot Ion:139 Resp: 121

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

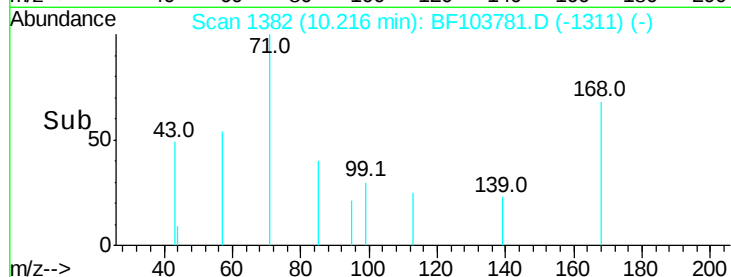


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->

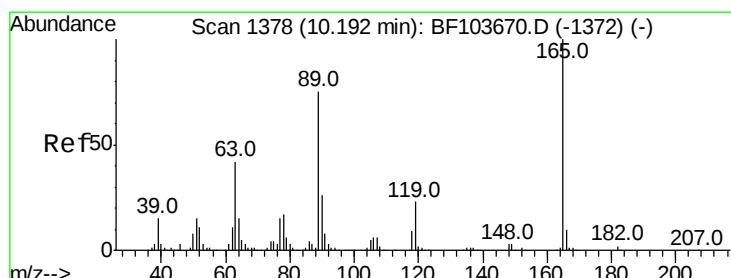


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



#56

2,4-Dinitrotoluene

Concen: 12.156 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Tgt Ion:165 Resp: 34467

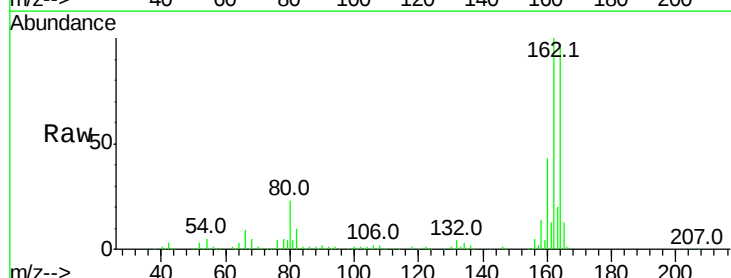
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#



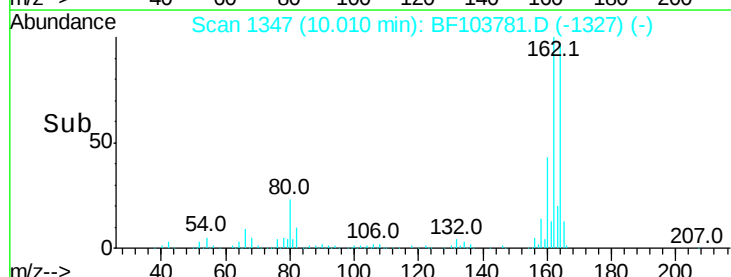
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

Time-->



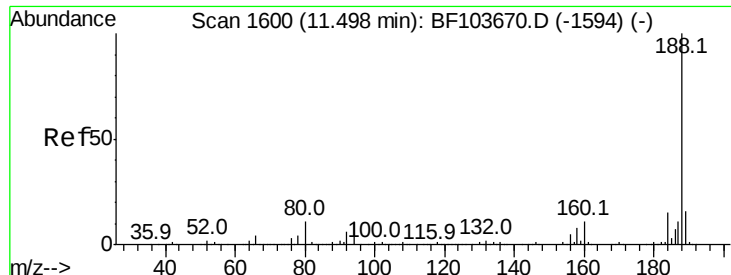
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

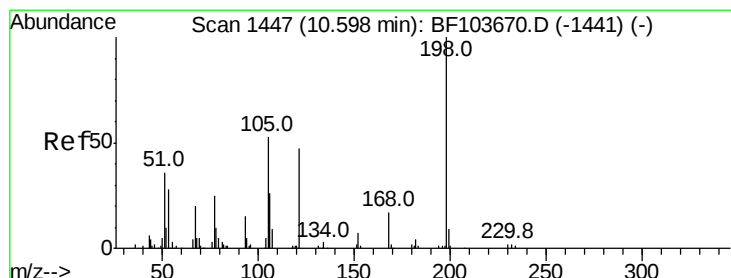
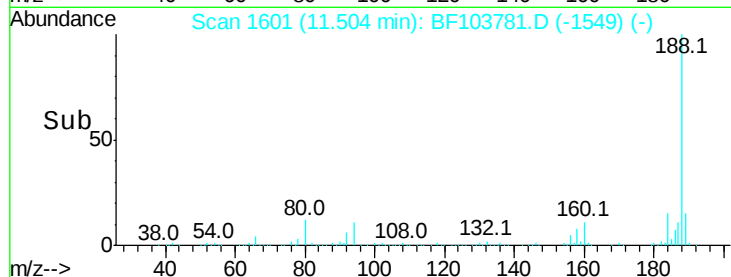
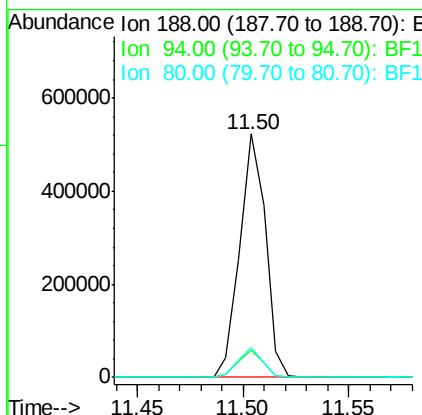
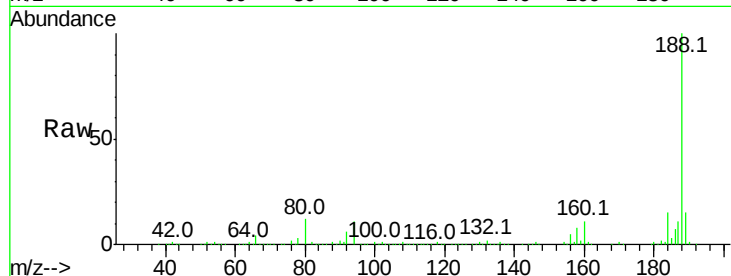
Time-->



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103781.D
 Acq: 20 Mar 2018 2:45

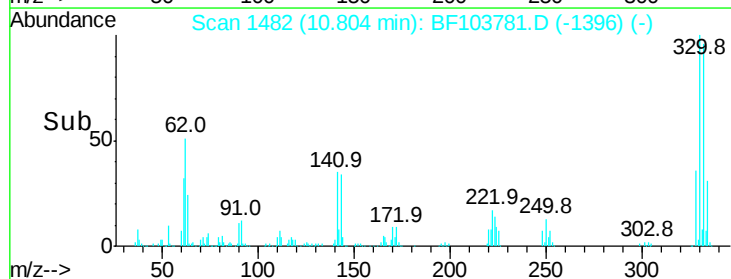
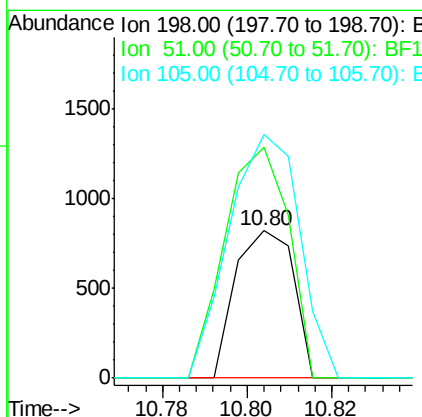
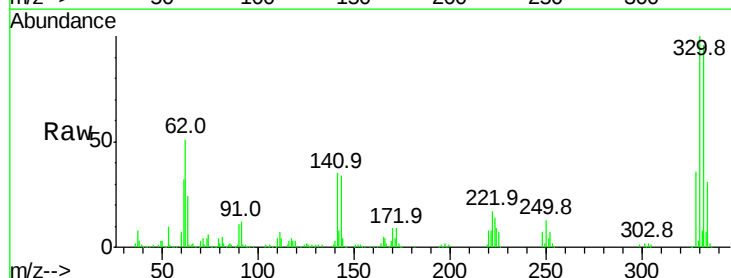
Instrument :
 BNA_F
 ClientSampleId :

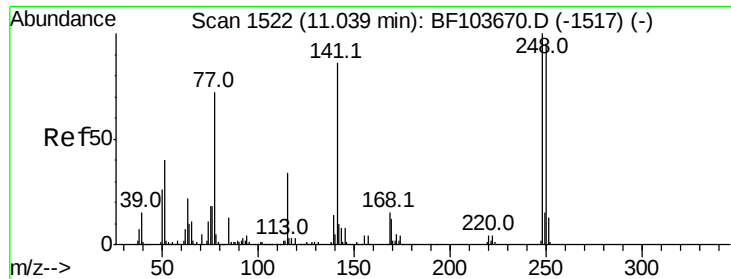
Tot Ion:188 Resp: 440245
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.648 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103781.D
 Acq: 20 Mar 2018 2:45

Tgt Ion:198 Resp: 781
 Ion Ratio Lower Upper
 198 100
 51 157.1 37.7 77.7#
 105 165.3 36.3 76.3#

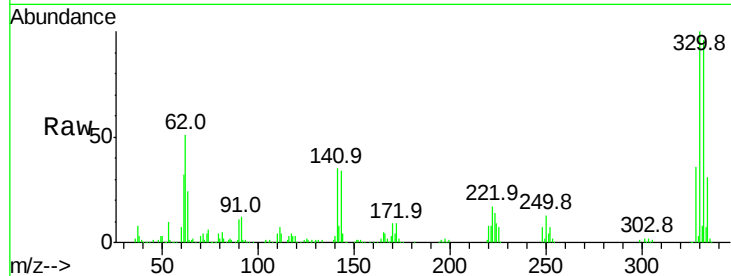




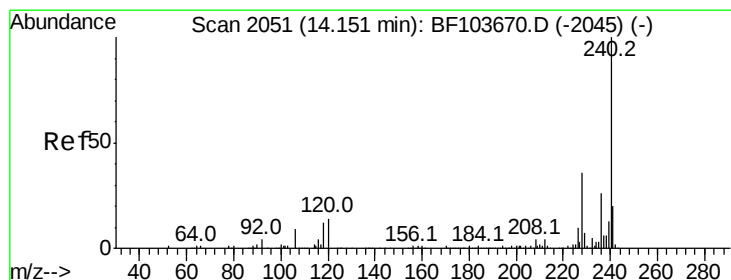
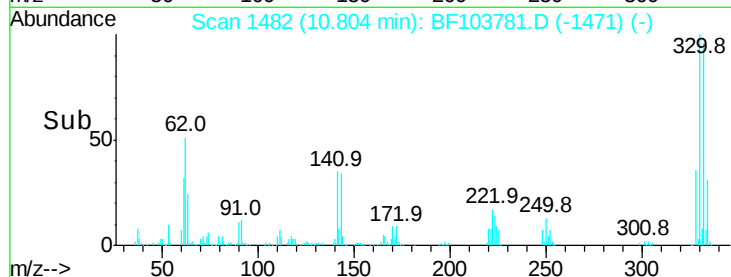
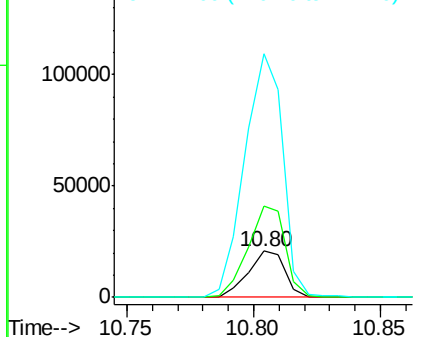
#66
4-Bromophenyl-phenylether
Concen: 4.651 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 21022
Ion Ratio Lower Upper
248 100
250 197.2 76.9 115.3#
141 528.4 74.4 111.6#

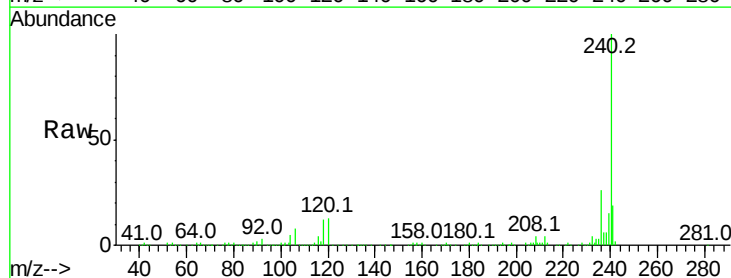


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

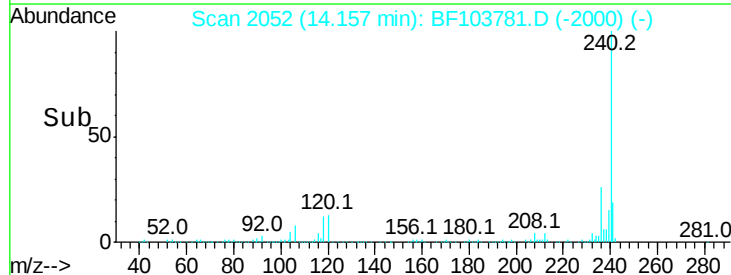
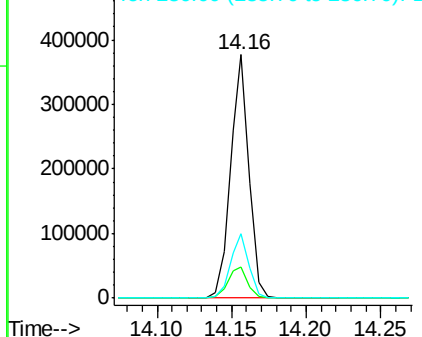


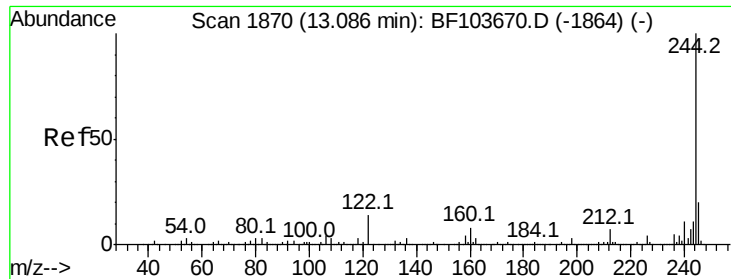
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103781.D
Acq: 20 Mar 2018 2:45

Tgt Ion:240 Resp: 327762
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 26.4 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: 87.130 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

Instrument :

BNA_F

ClientSampleId :

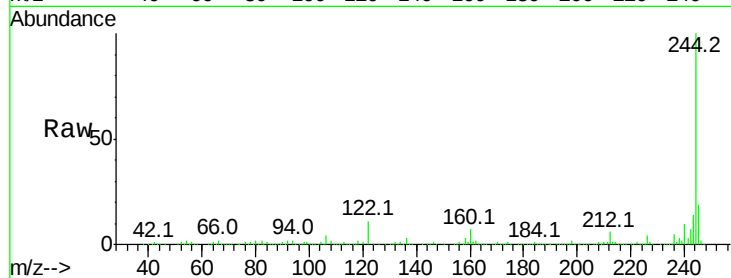
Tot Ion:244 Resp: 1230337

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

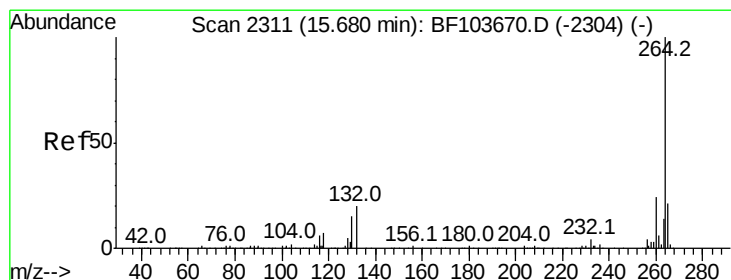
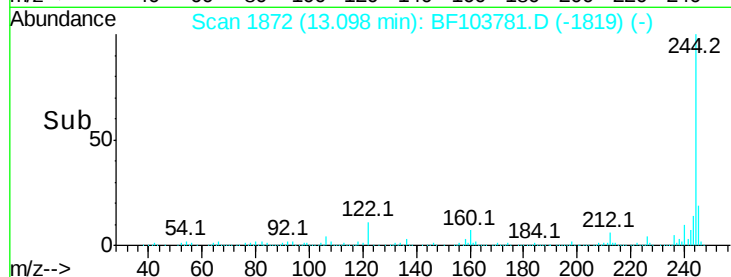
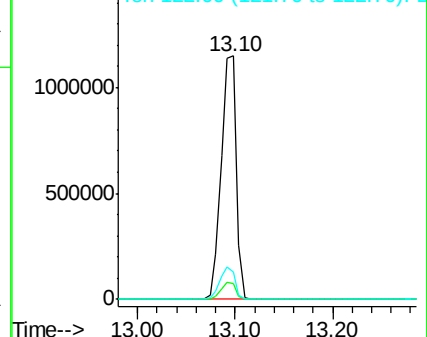
122 11.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103781.D

Acq: 20 Mar 2018 2:45

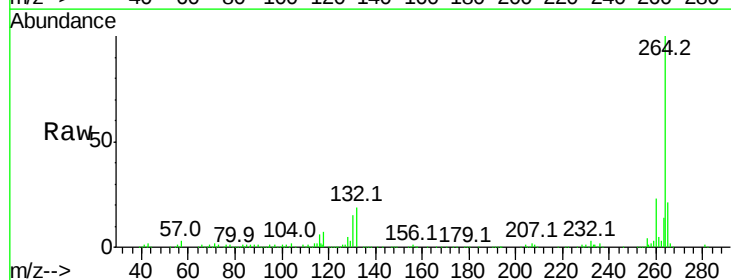
Tgt Ion:264 Resp: 269894

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

