

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
 Data File : BF101970.D
 Acq On : 9 Jan 2018 23:18
 Operator : SJ/JU
 Sample : J1049-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 03:24:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	218998	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	794564	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	269601	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	413158	20.00	ng	0.00
75) Chrysene-d12	13.89	240	384255	20.00	ng	0.01
86) Perylene-d12	15.31	264	294508	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	595270	38.38	ng	0.00
7) Phenol-d6	6.35	99	407241	22.01	ng	0.00
23) Nitrobenzene-d5	7.29	82	976031	72.18	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	222110	94.40	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1367014	79.22	ng	0.00
78) Terphenyl-d14	12.84	244	1092928	59.05	ng	0.00

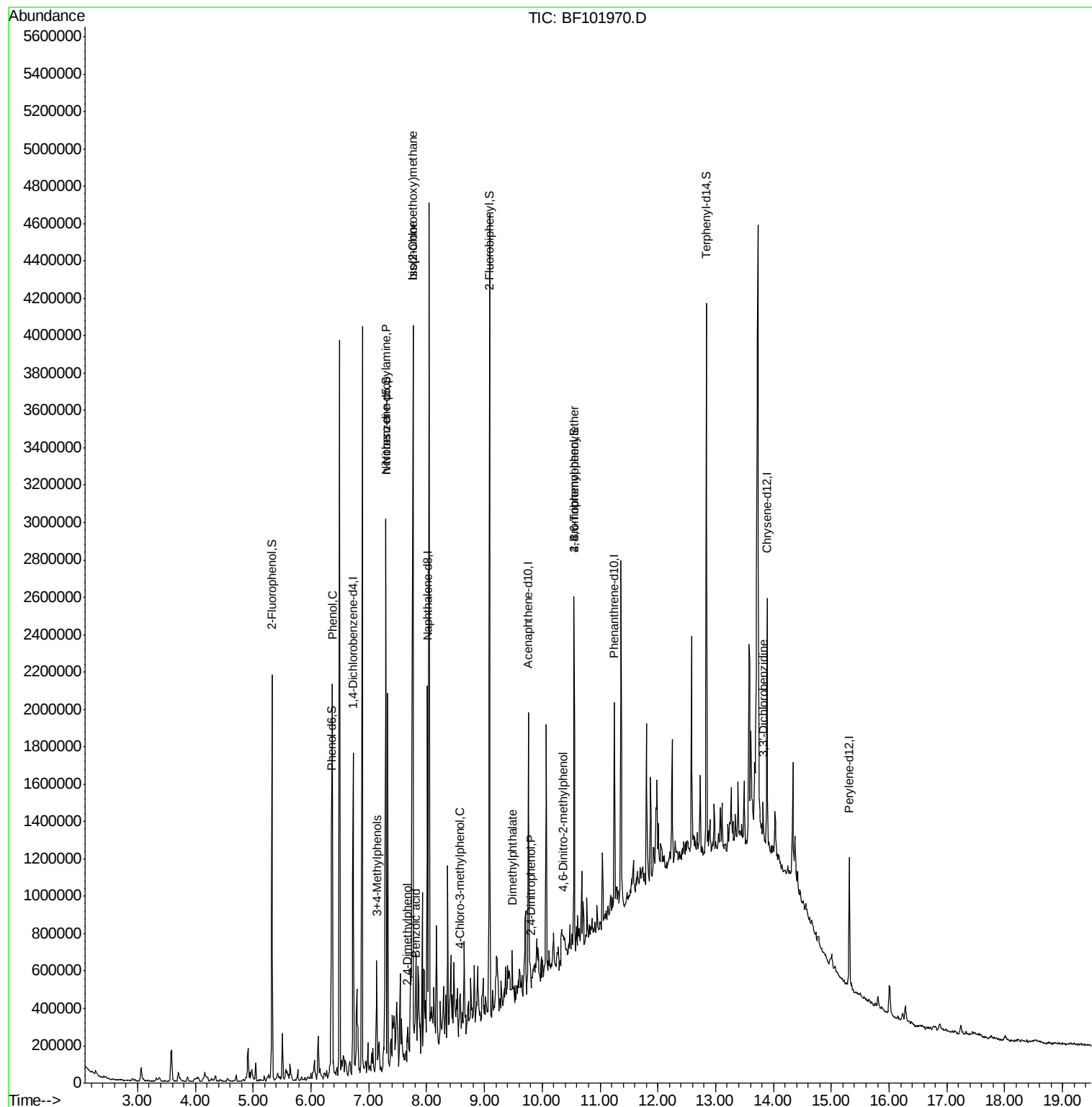
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	584658	27.959	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	134406	11.084	ng	# 82
20) 3+4-Methylphenols	7.13	107	109005	6.470	ng	97
25) Isophorone	7.76	82	61468	2.301	ng	# 1
27) 2,4-Dimethylphenol	7.67	122	42275	3.722	ng	96
28) bis(2-Chloroethoxy)methane	7.76	93	70363	4.362	ng	# 1
32) Benzoic acid	7.80	122	53490	6.211	ng	# 17
36) 4-Chloro-3-methylphenol	8.59	107	32078	2.717	ng	# 22
49) Dimethylphthalate	9.49	163	78100	3.611	ng	99
53) 2,4-Dinitrophenol	9.80	184	859	9.122	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	1279	6.165	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14048	3.220	ng	# 1
81) 3,3'-Dichlorobenzidine	13.82	252	20084	2.212	ng	# 46

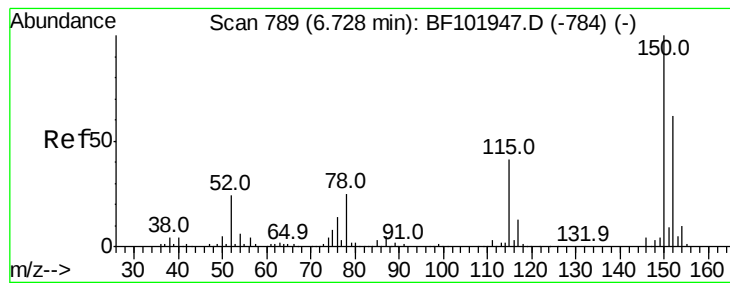
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101970.D
Acq On : 9 Jan 2018 23:18
Operator : SJ/JU
Sample : J1049-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Jan 10 03:24:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration



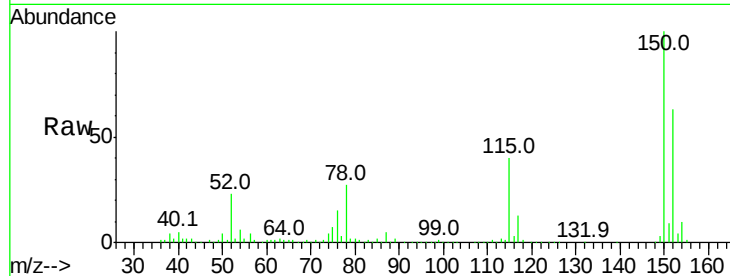


#1

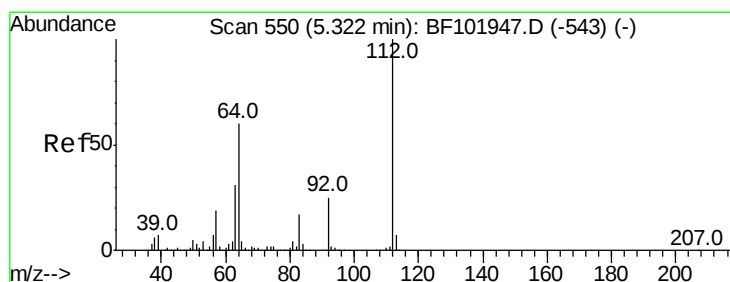
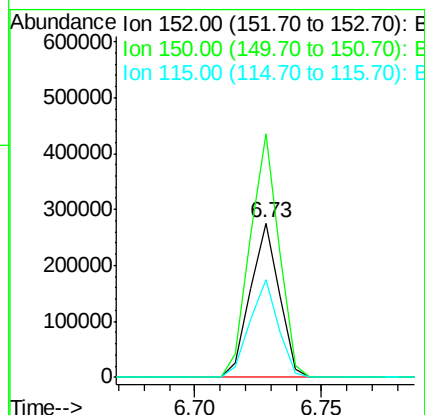
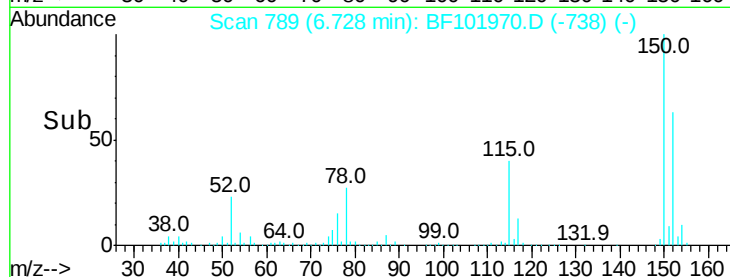
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	63.8	50.1	75.1



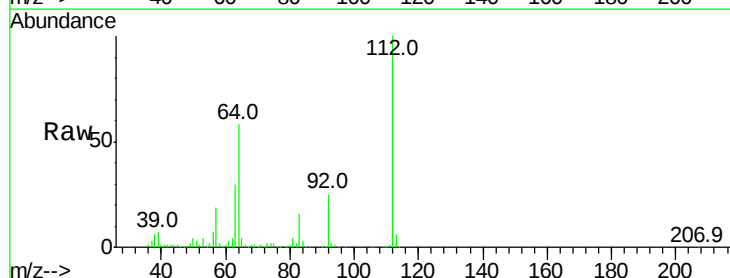
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



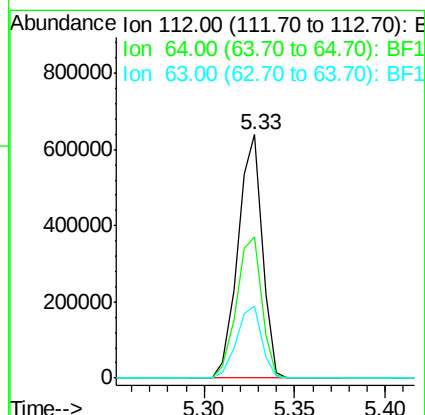
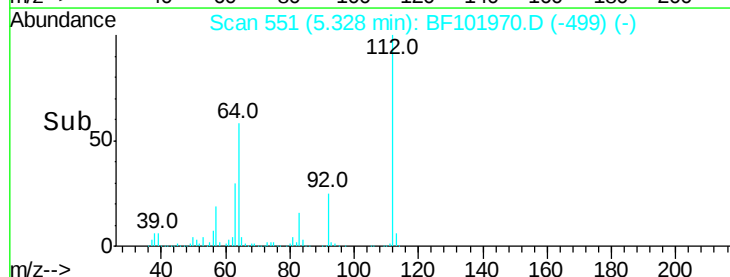
#5

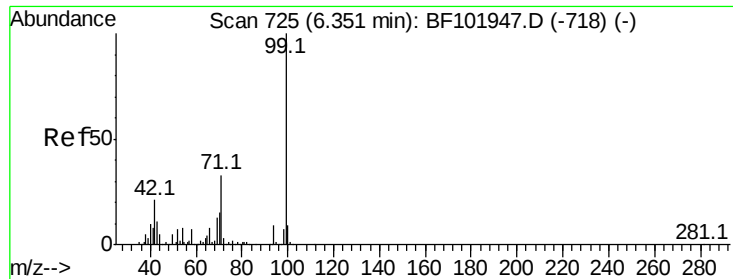
2-Fluorophenol
Concen: 38.383 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	29.6	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: 22.009 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

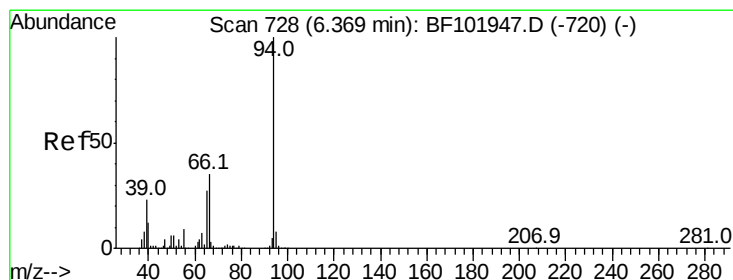
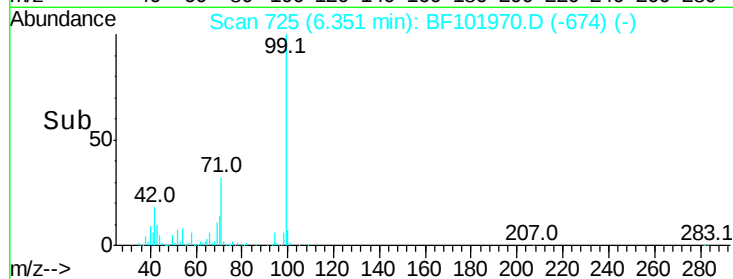
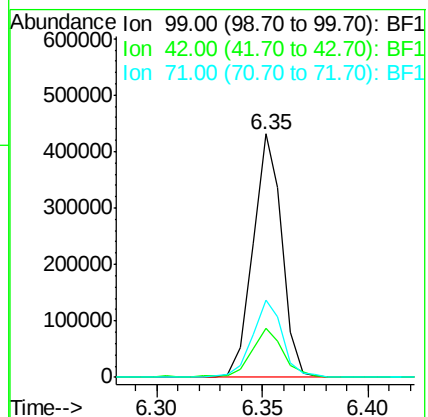
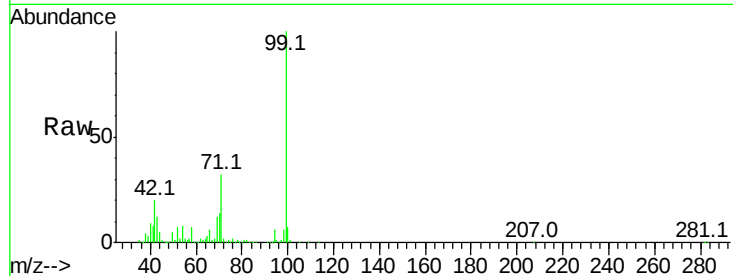
Tot Ion: 99 Resp: 407241

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 31.7 25.4 38.0



#10

Phenol

Concen: 27.959 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

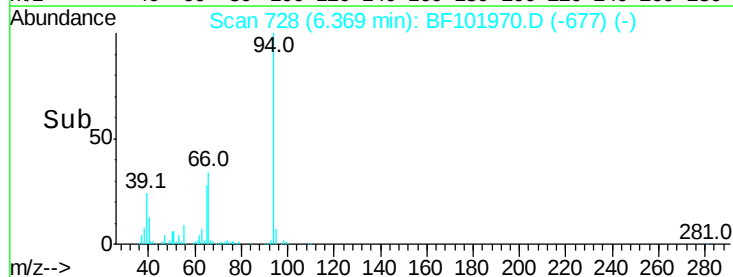
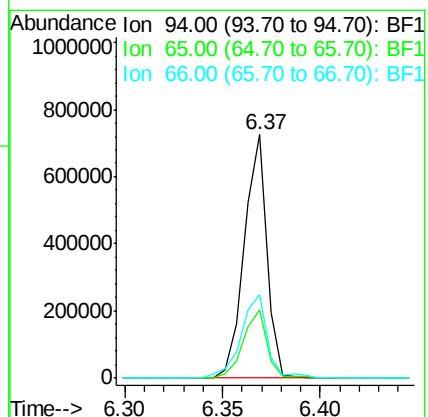
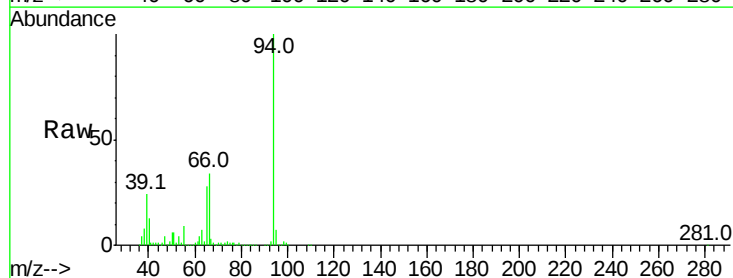
Tgt Ion: 94 Resp: 584658

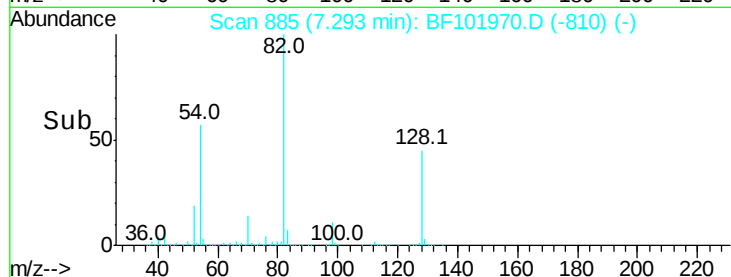
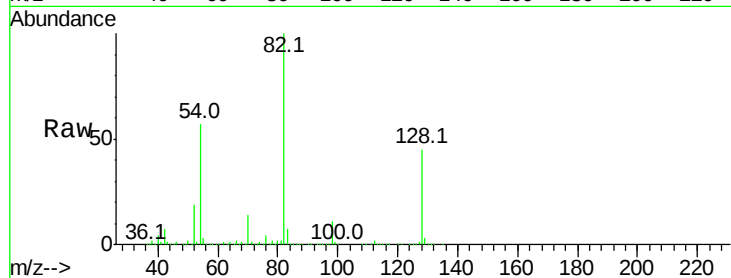
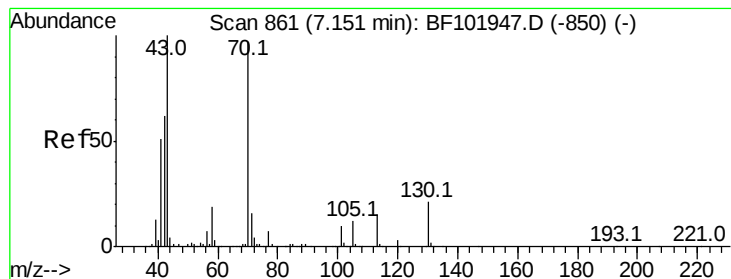
Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 34.4 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.084 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 134406

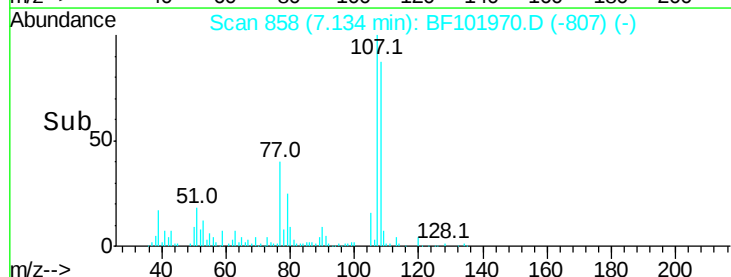
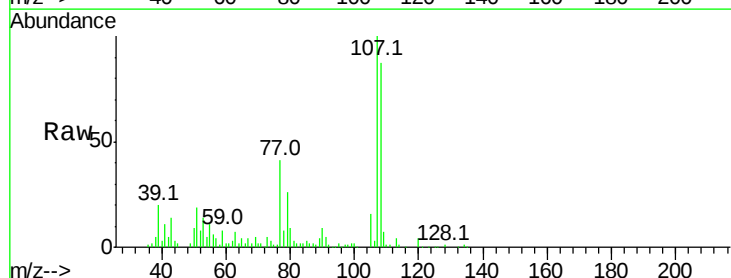
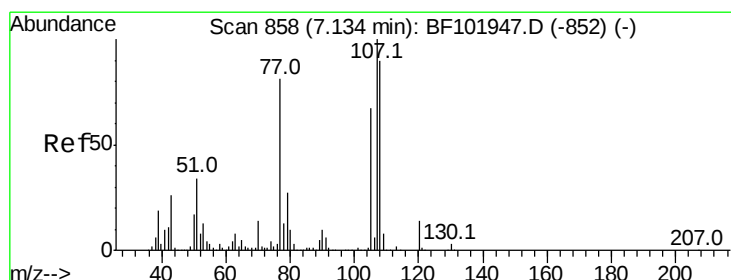
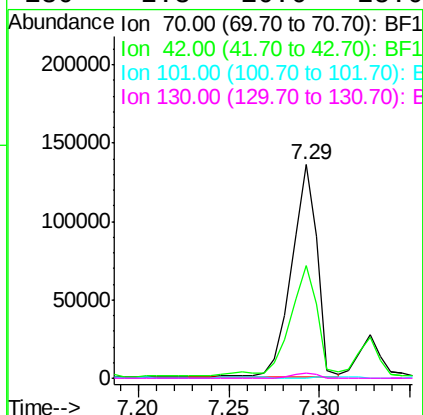
Ion Ratio Lower Upper

70 100

42 53.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#20

3+4-Methylphenols

Concen: 6.470 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Tgt Ion:107 Resp: 109005

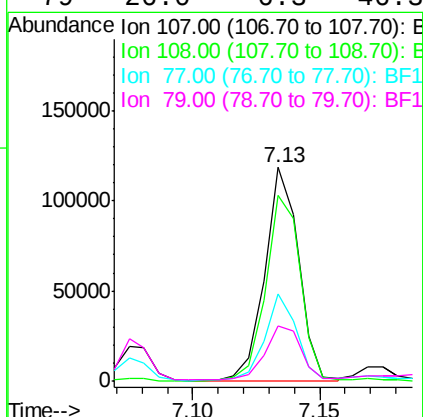
Ion Ratio Lower Upper

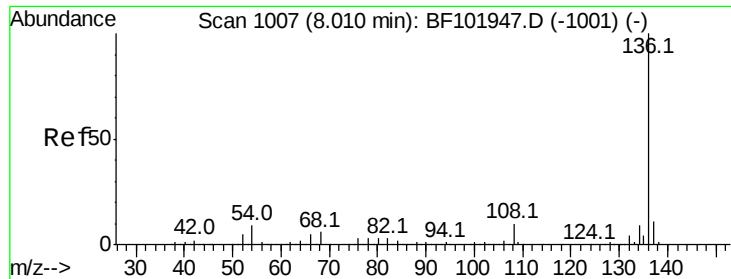
107 100

108 86.8 68.2 108.2

77 40.9 26.7 66.7

79 26.0 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 794564

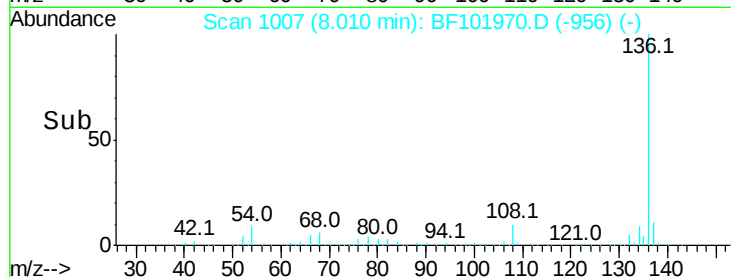
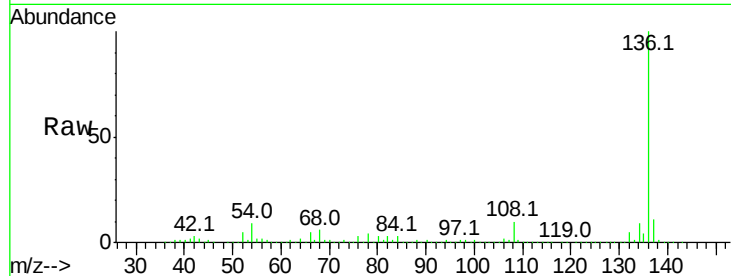
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.0 6.6 9.8

68 6.3 5.0 7.4

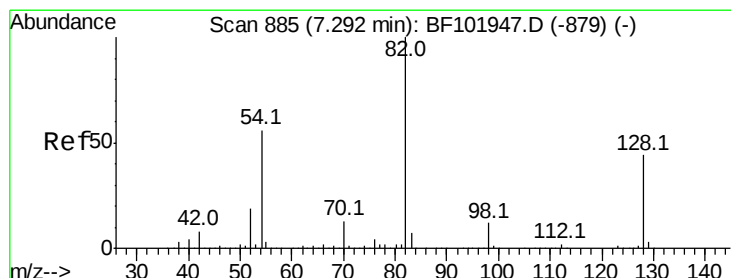
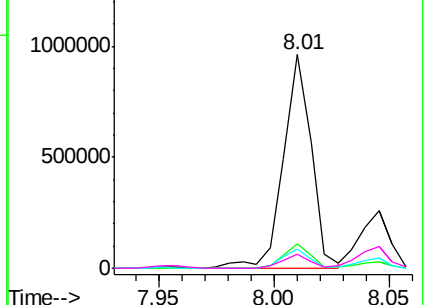


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.185 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

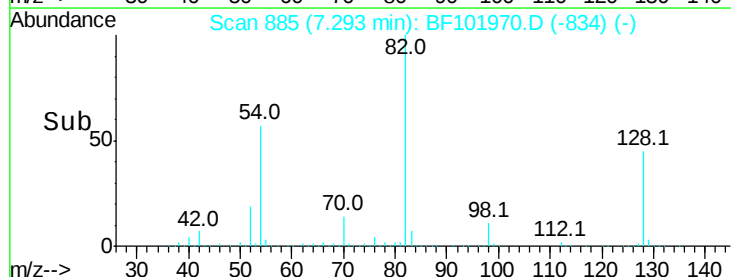
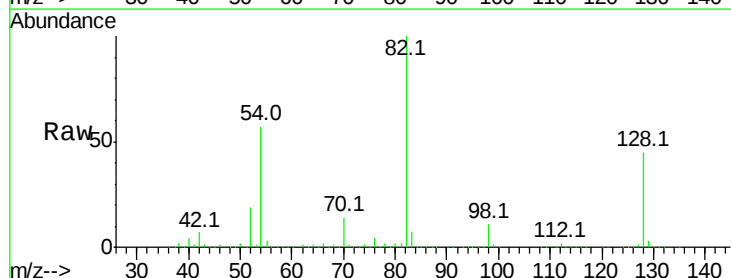
Tgt Ion: 82 Resp: 976031

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

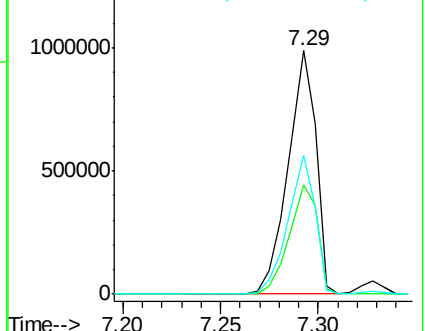
54 56.8 41.4 62.2

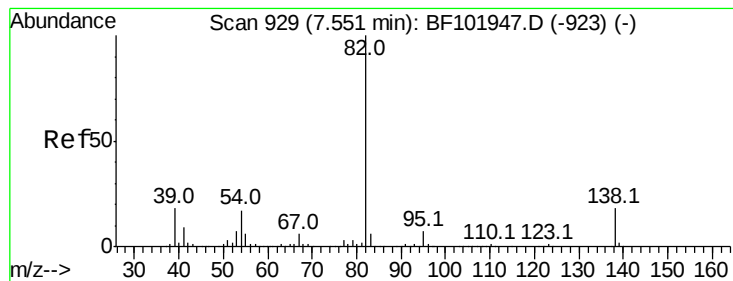


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.301 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.21 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

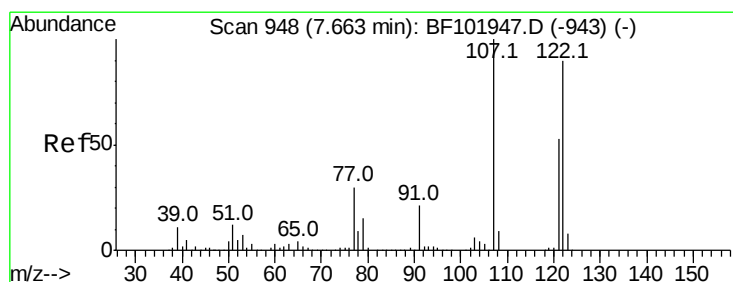
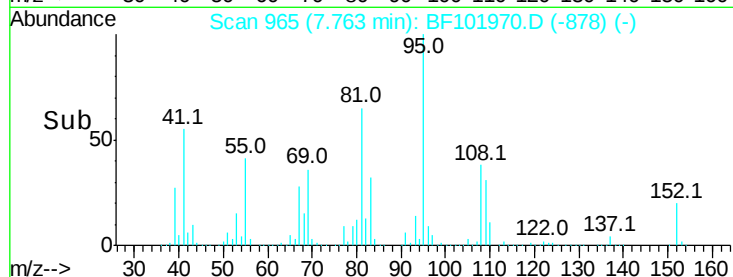
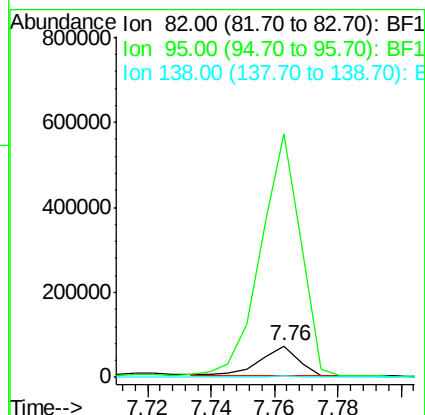
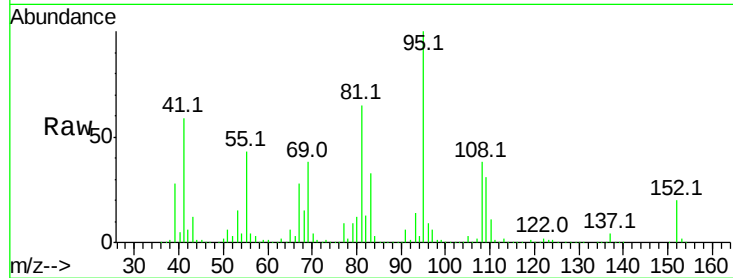
Tot Ion: 82 Resp: 61468

Ion Ratio Lower Upper

82 100

95 777.9 5.2 7.8#

138 3.4 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 3.722 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

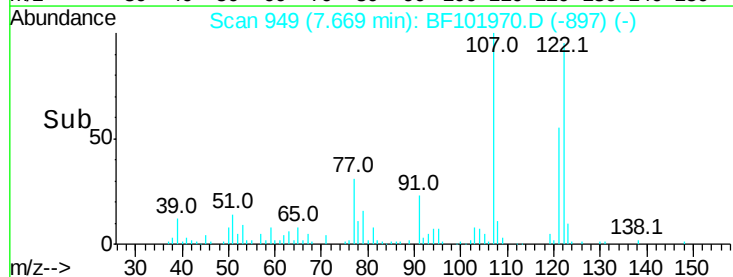
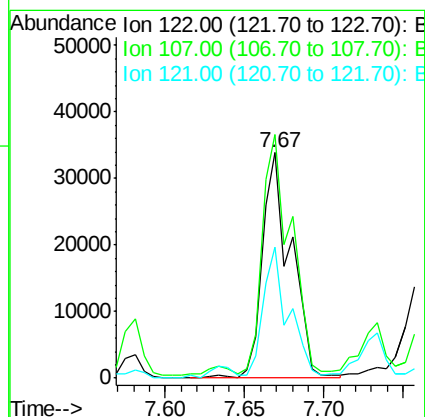
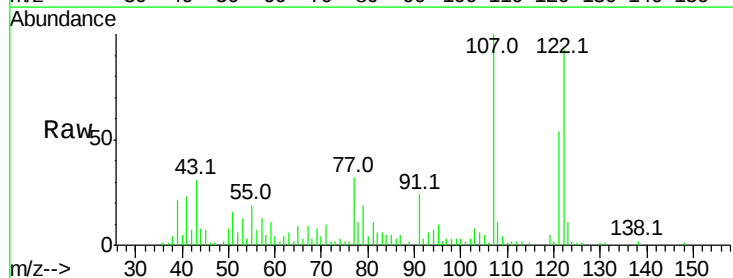
Tgt Ion:122 Resp: 42275

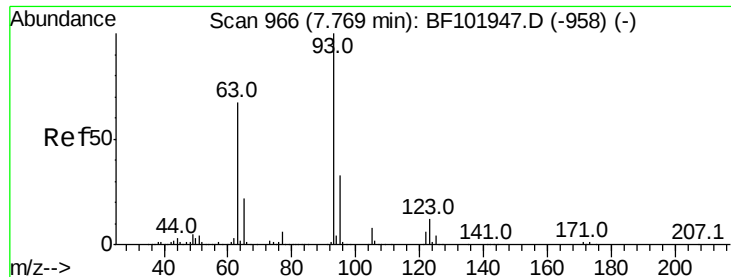
Ion Ratio Lower Upper

122 100

107 108.0 91.2 136.8

121 58.2 47.2 70.8

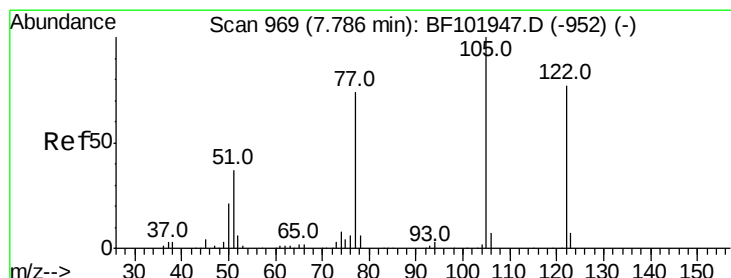
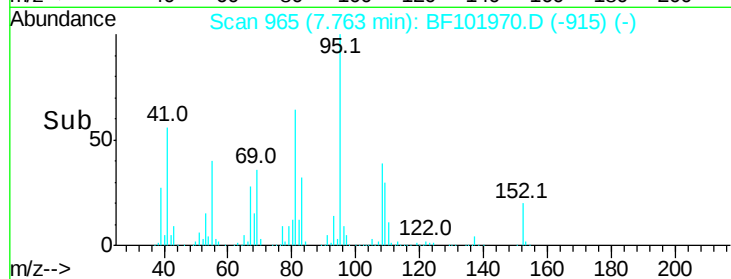
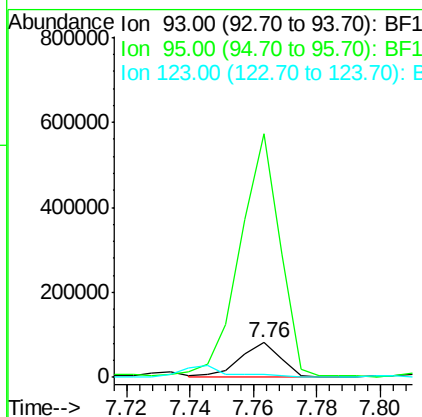
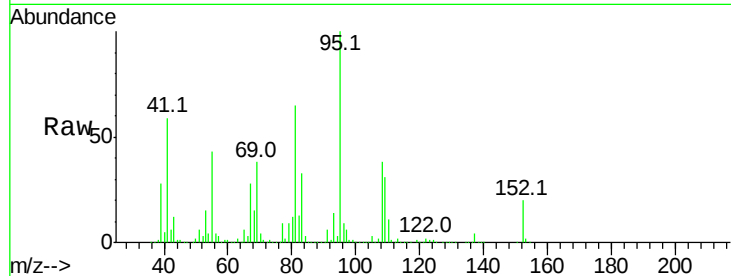




#28
bis(2-Chloroethoxy)methane
Concen: 4.362 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

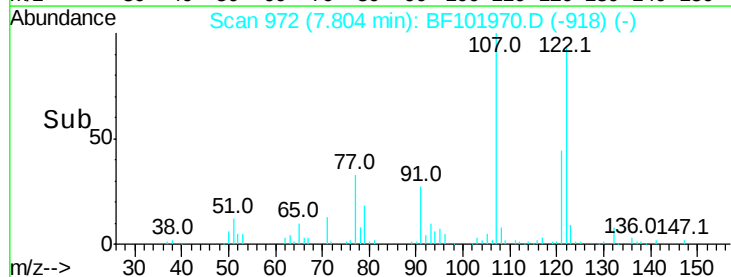
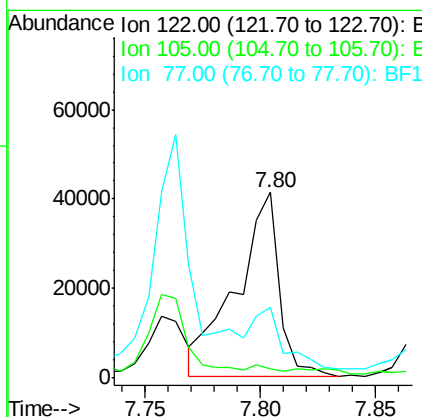
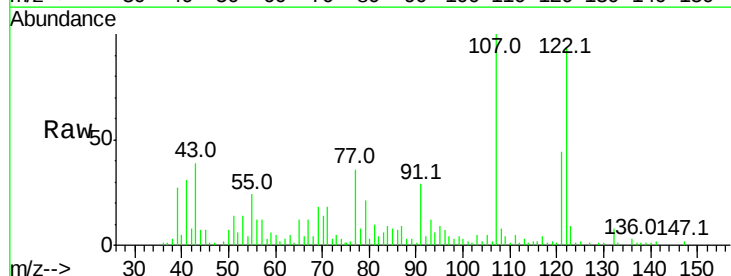
Instrument :
BNA_F
ClientSampleId :

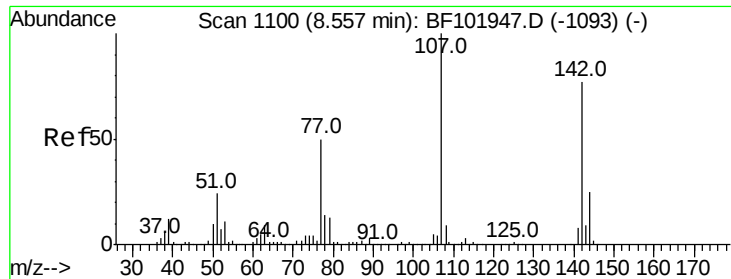
Tot Ion: 93 Resp: 70363
Ion Ratio Lower Upper
93 100
95 699.4 26.3 39.5#
123 9.1 9.8 14.6#



#32
Benzoic acid
Concen: 6.211 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Tgt Ion: 122 Resp: 53490
Ion Ratio Lower Upper
122 100
105 4.9 101.1 141.1#
77 38.4 70.7 110.7#

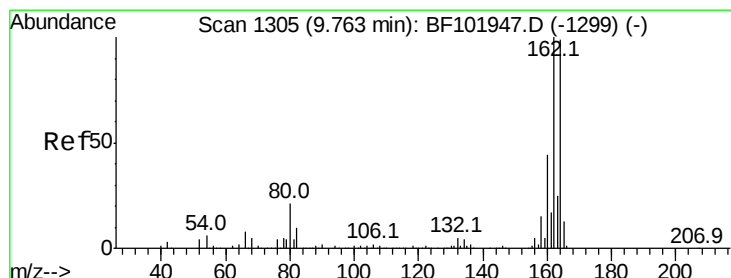
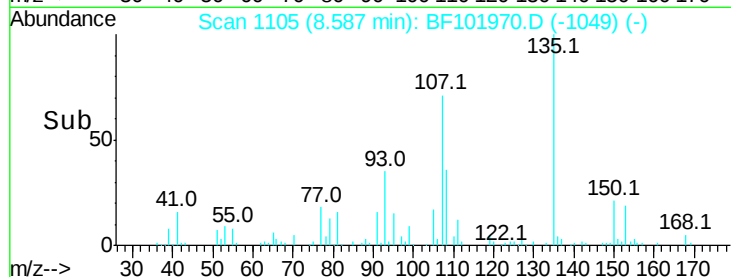
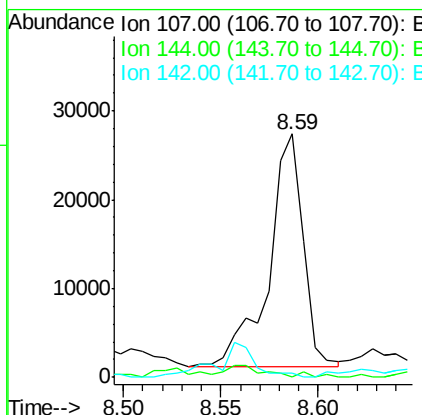
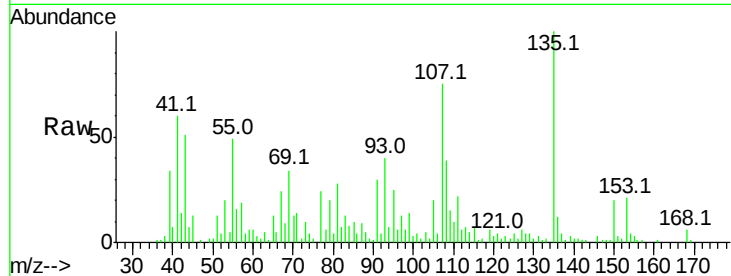




#36
 4-Chloro-3-methylphenol
 Concen: 2.717 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.03 min
 Lab File: BF101970.D
 Acq: 9 Jan 2018 23:18

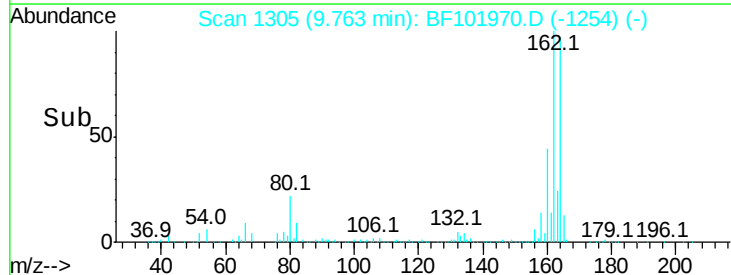
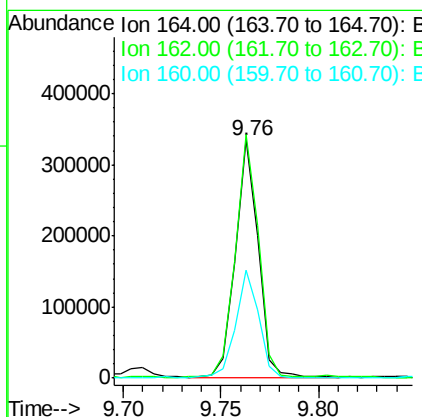
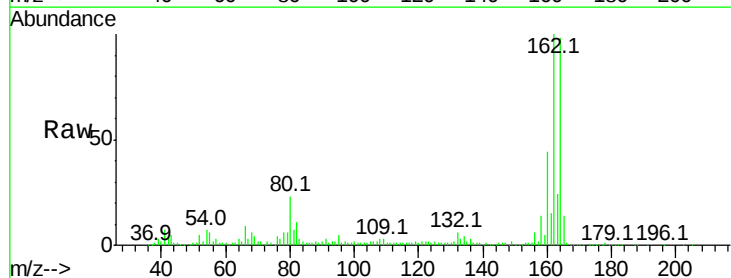
Instrument :
 BNA_F
 ClientSampleId :

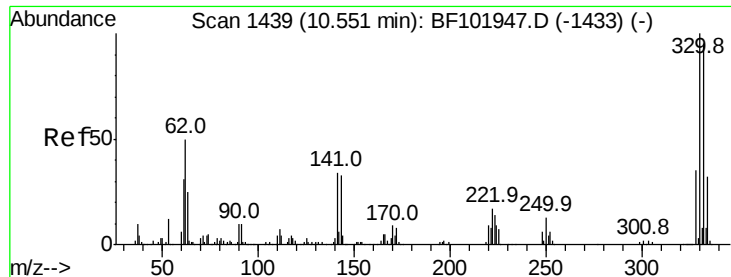
Tot Ion:107 Resp: 32078
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 2.0 62.0 93.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF101970.D
 Acq: 9 Jan 2018 23:18

Tgt Ion:164 Resp: 269601
 Ion Ratio Lower Upper
 164 100
 162 102.2 86.1 129.1
 160 45.3 38.3 57.5

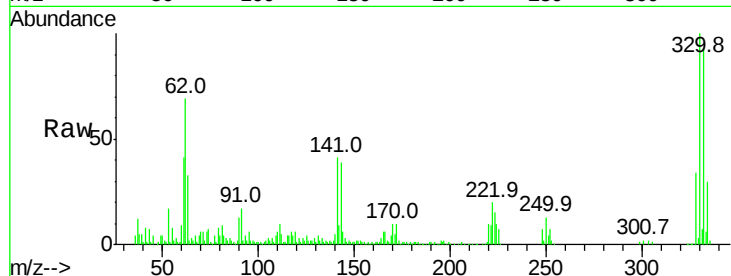




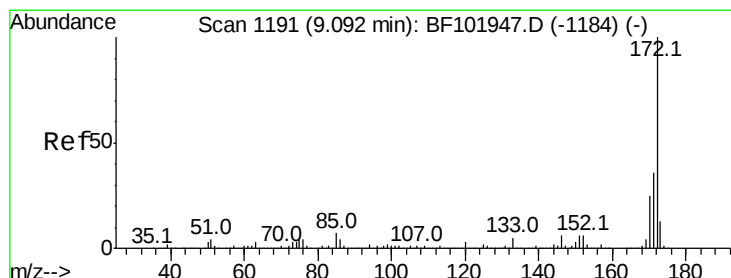
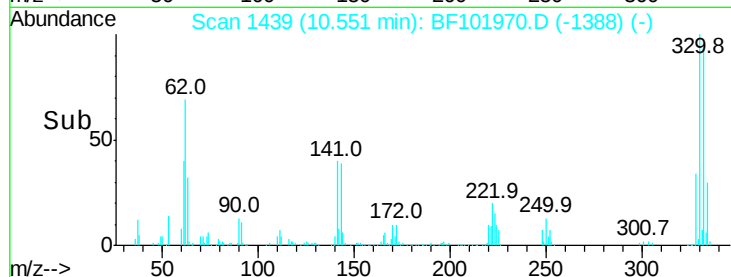
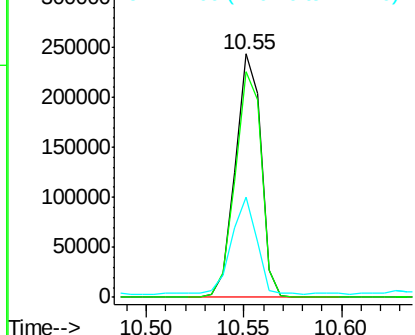
#41
 2,4,6-Tribromophenol
 Concen: 94.403 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF101970.D
 Acq: 9 Jan 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 222110
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 39.9 29.9 44.9

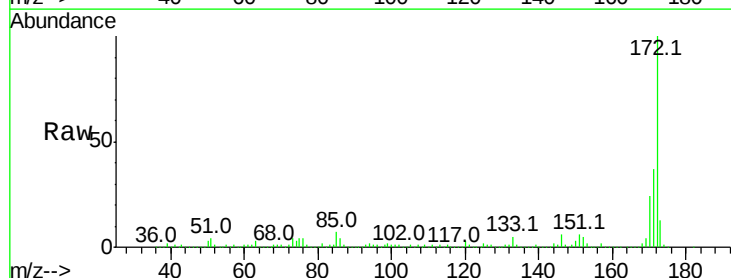


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

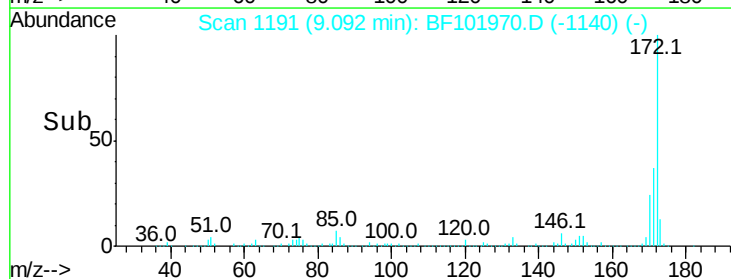
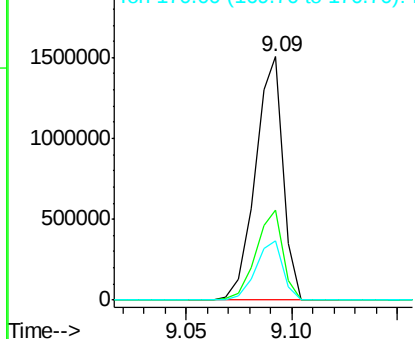


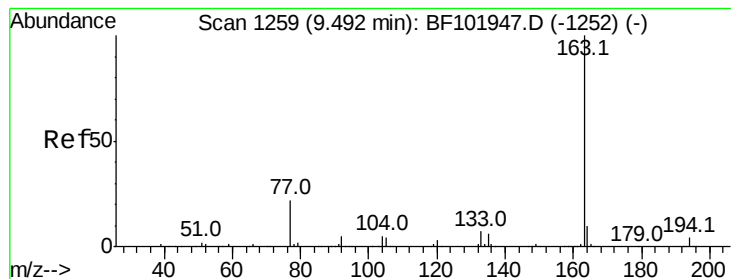
#44
 2-Fluorobiphenyl
 Concen: 79.215 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF101970.D
 Acq: 9 Jan 2018 23:18

Tgt Ion:172 Resp: 1367014
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.5 19.6 29.4



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





#49

Dimethylphthalate

Concen: 3.611 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampled :

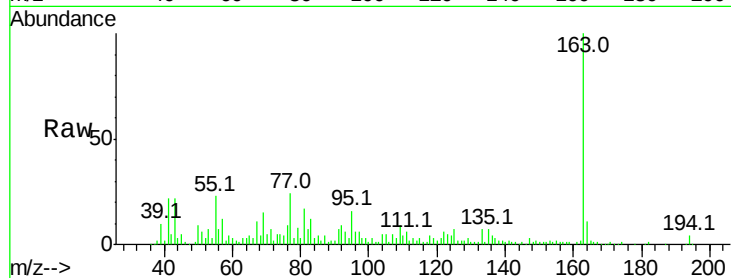
Tot Ion:163 Resp: 78100

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

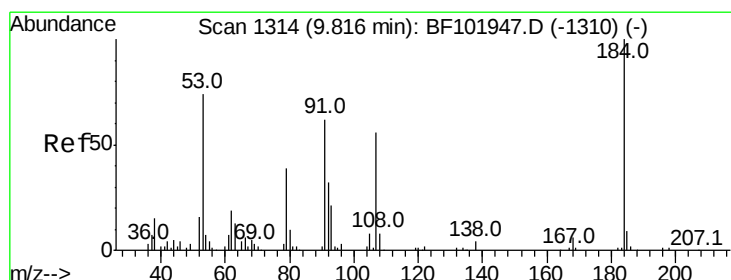
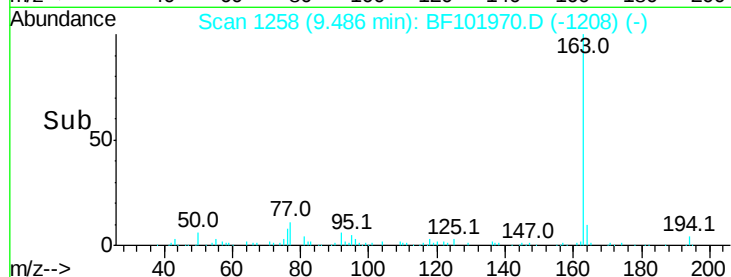
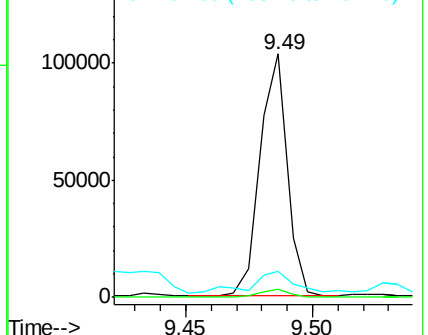
164 10.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 9.122 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

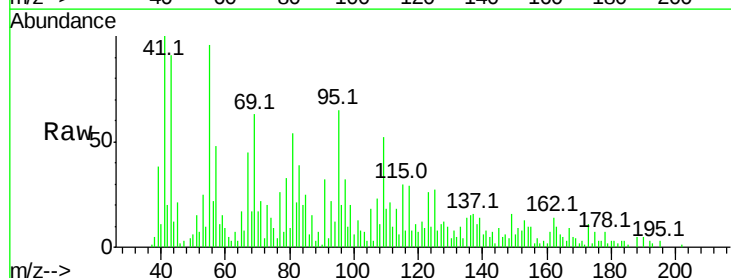
Tgt Ion:184 Resp: 859

Ion Ratio Lower Upper

184 100

63 267.1 54.2 81.2#

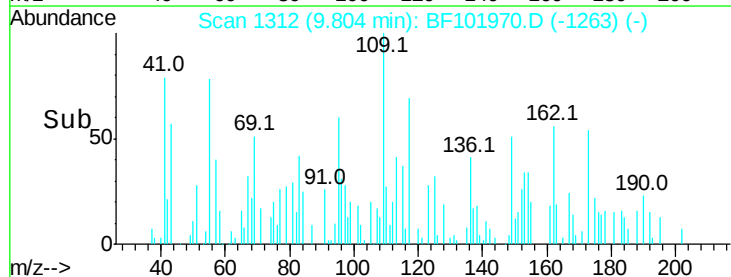
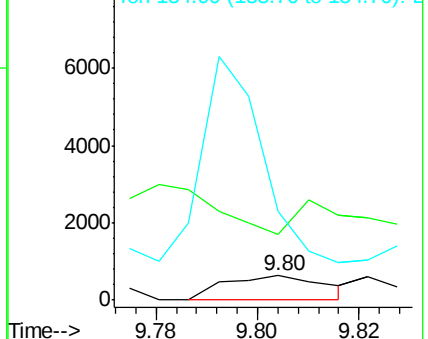
154 363.6 184.0 276.0#

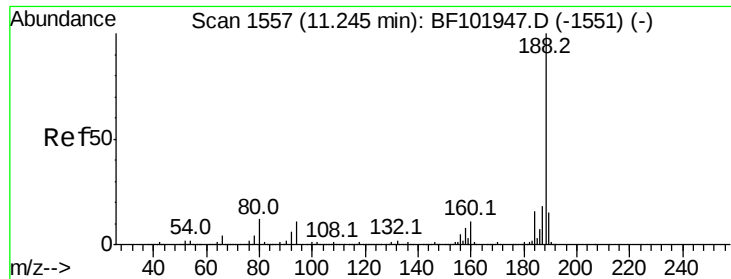


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

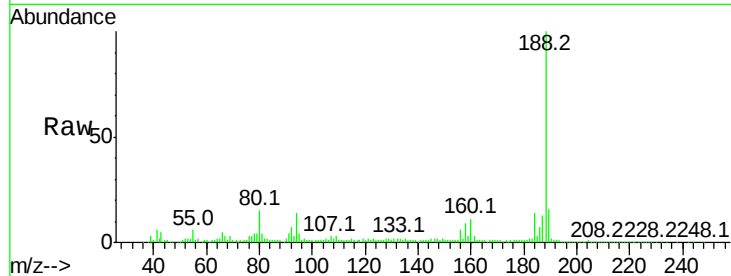




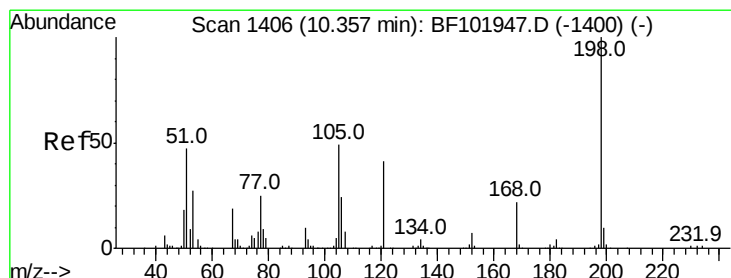
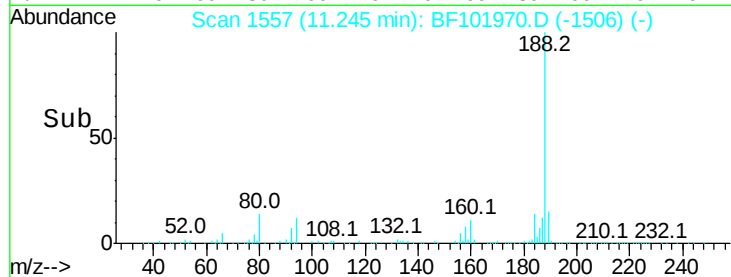
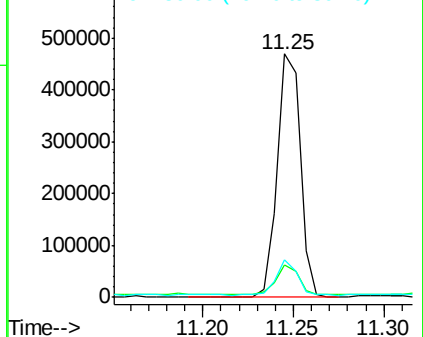
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 413158
Ion Ratio Lower Upper
188 100
94 13.6 8.5 12.7#
80 15.2 9.2 13.8#

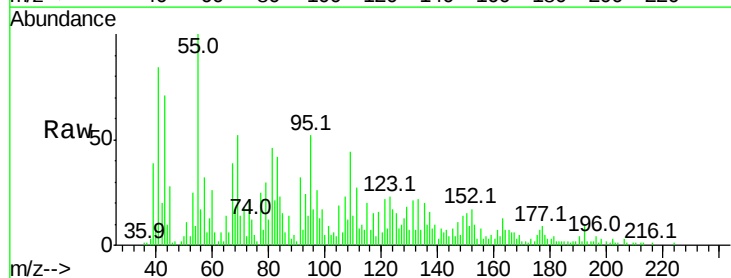


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

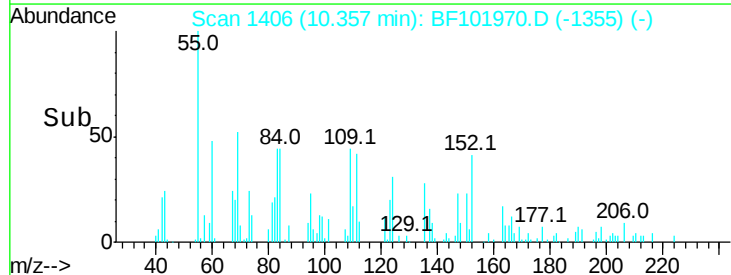
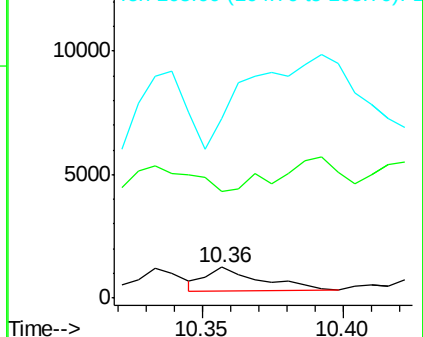


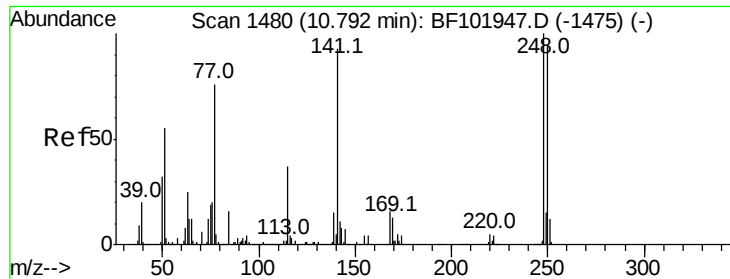
#64
4,6-Dinitro-2-methylphenol
Concen: 6.165 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Tgt Ion:198 Resp: 1279
Ion Ratio Lower Upper
198 100
51 349.2 37.7 77.7#
105 584.2 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

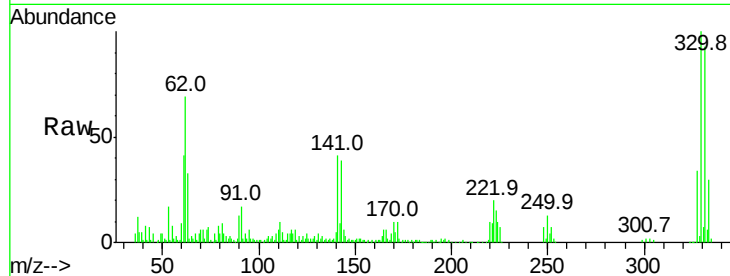




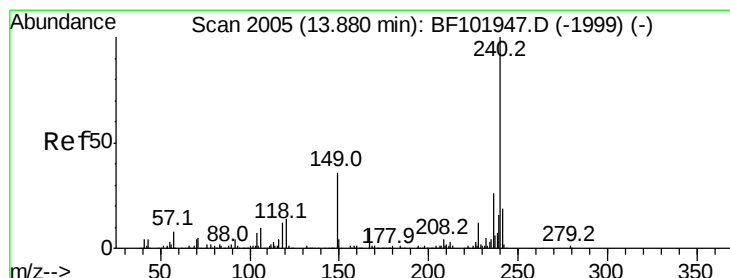
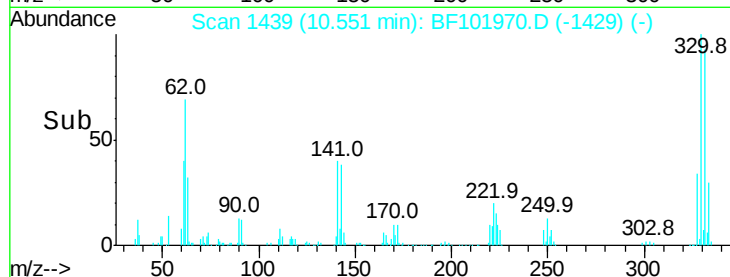
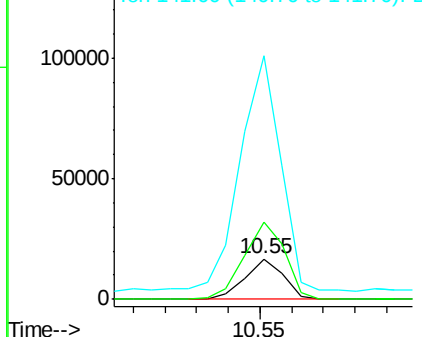
#66
4-Bromophenyl-phenylether
Concen: 3.220 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14048
Ion Ratio Lower Upper
248 100
250 190.5 76.9 115.3#
141 602.9 74.4 111.6#

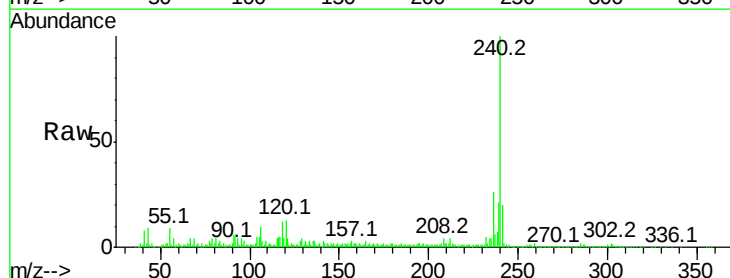


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

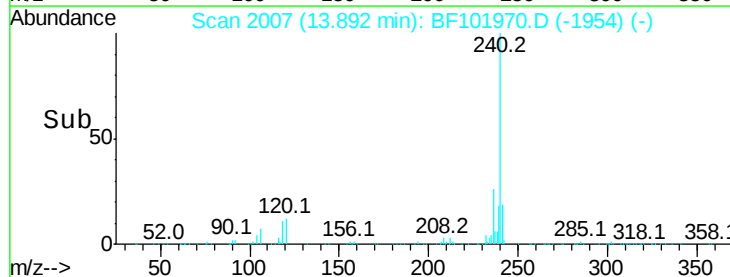
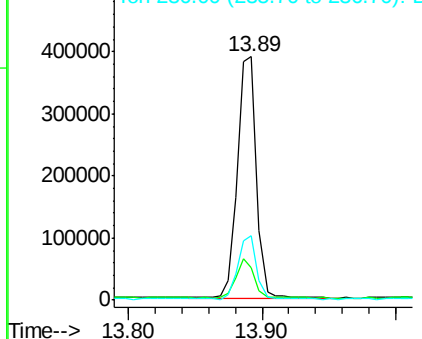


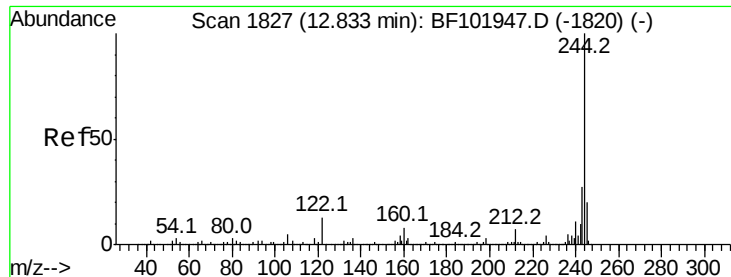
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Tgt Ion:240 Resp: 384255
Ion Ratio Lower Upper
240 100
120 13.4 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: 59.055 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

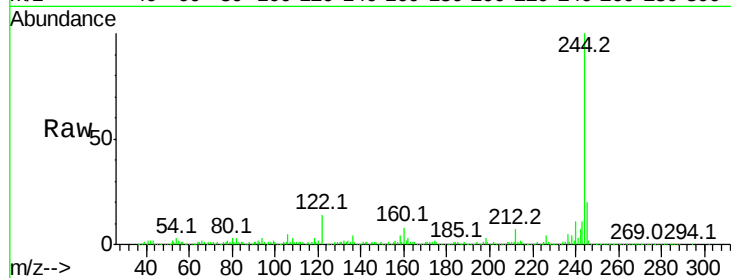
Tot Ion:244 Resp: 1092928

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

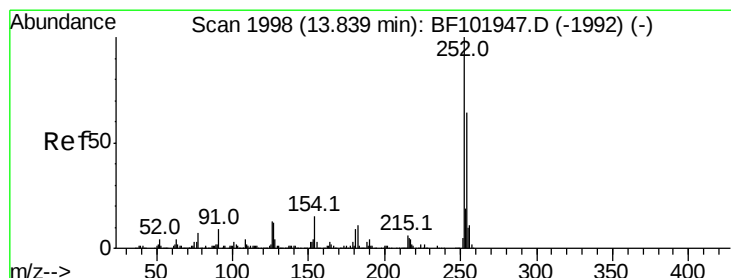
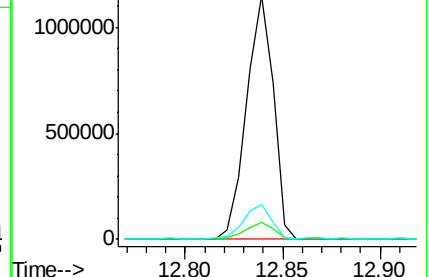
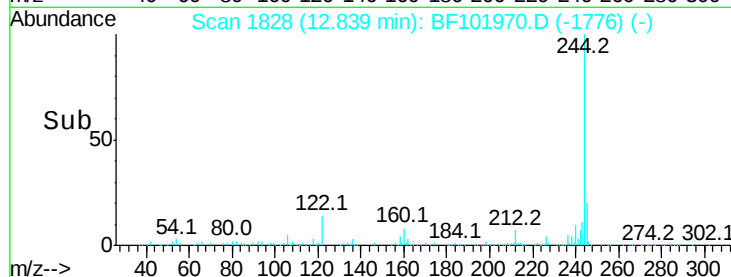
122 14.1 11.0 16.4



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



#81

3,3'-Dichlorobenzidine

Concen: 2.212 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF101970.D

Acq: 9 Jan 2018 23:18

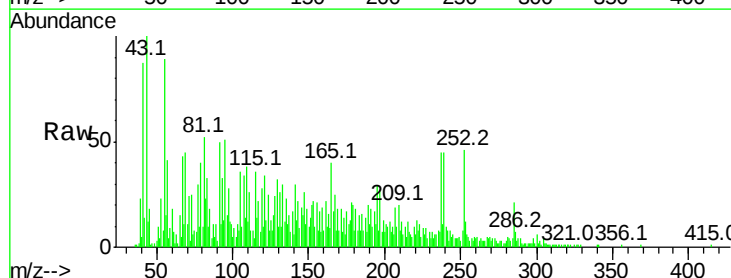
Tgt Ion:252 Resp: 20084

Ion Ratio Lower Upper

252 100

254 13.2 50.4 75.6#

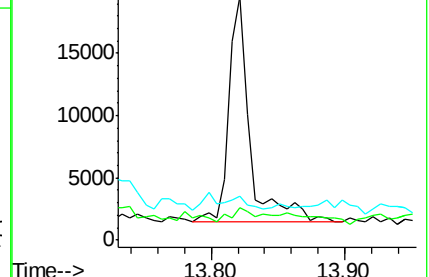
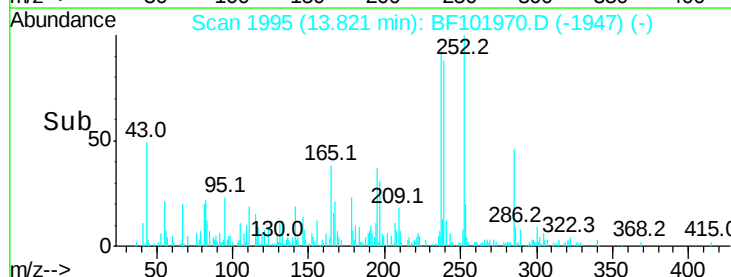
126 18.0 11.3 16.9#

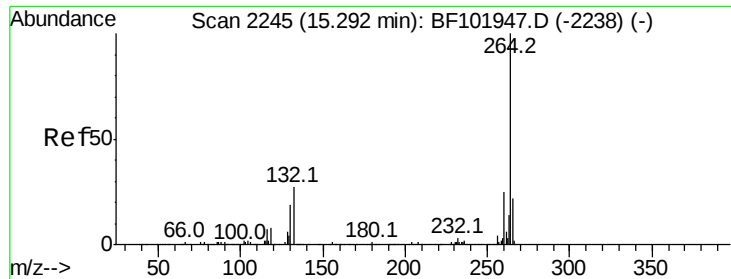


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

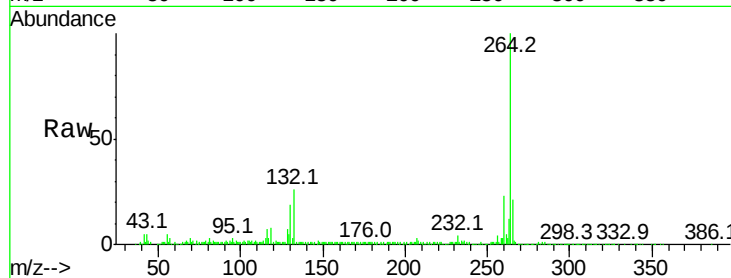




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF101970.D
Acq: 9 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 294508
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.4 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

