

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101081.D
 Acq On : 1 Dec 2017 23:19
 Operator : SJ/JU
 Sample : I6618-03RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-4(10-15)

Quant Time: Dec 02 00:37:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

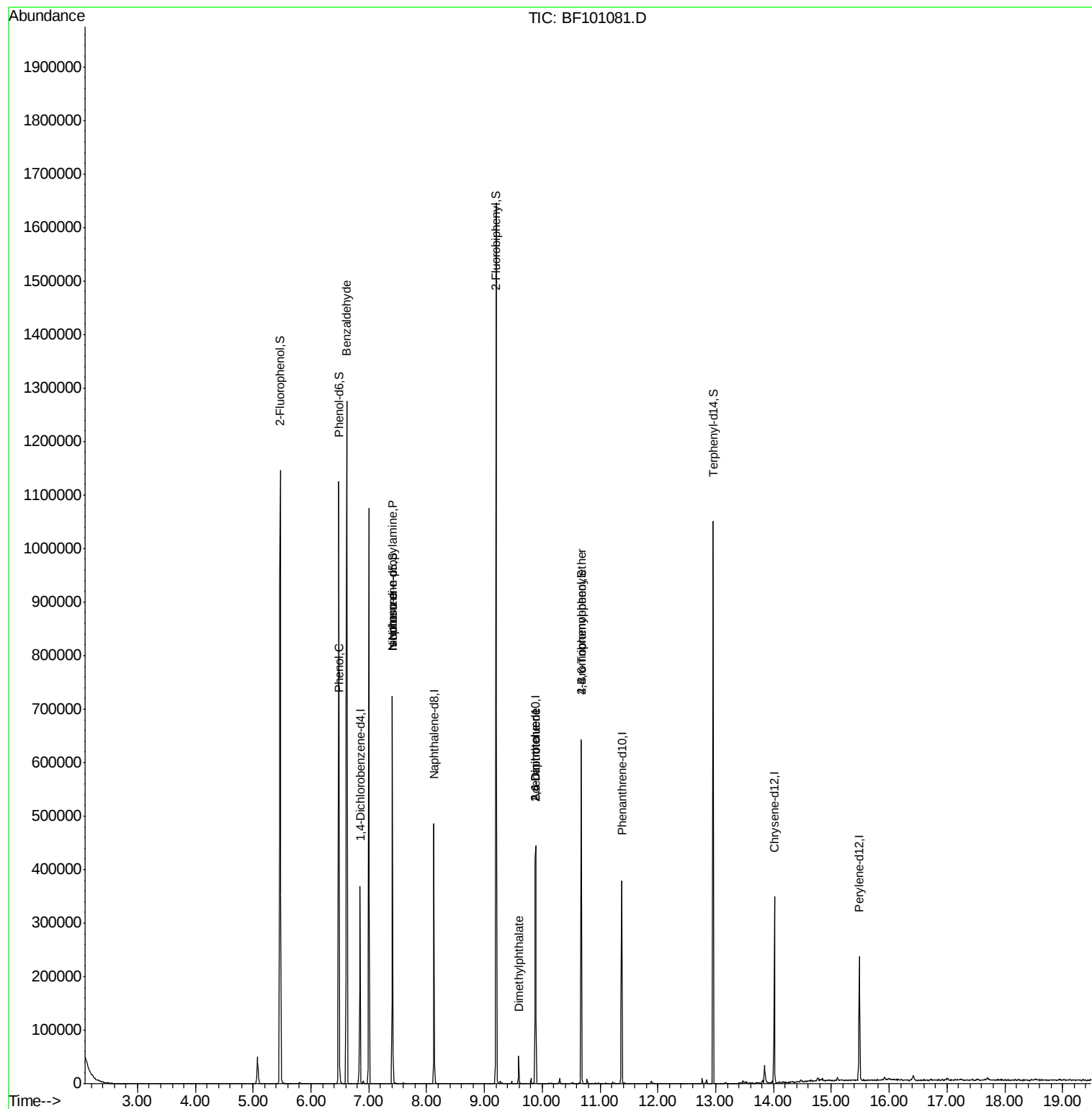
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52225	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	200357	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	90754	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	148798	20.00	ng	0.00
75) Chrysene-d12	14.02	240	117415	20.00	ng	0.00
86) Perylene-d12	15.49	264	109580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	321261	101.65	ng	0.00
7) Phenol-d6	6.48	99	390589	101.79	ng	0.00
23) Nitrobenzene-d5	7.41	82	239144	71.20	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	77396	70.99	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	484338	73.02	ng	0.00
78) Terphenyl-d14	12.96	244	348444	64.91	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	7171	3.053	ng	88
10) Phenol	6.49	94	14964	3.507	ng	93
19) n-Nitroso-di-n-propylamine	7.41	70	31379	12.143	ng	# 81
25) Isophorone	7.41	82	239141	41.684	ng	# 64
49) Dimethylphthalate	9.59	163	21229	2.900	ng	98
50) 2,6-Dinitrotoluene	9.88	165	11282	7.319	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	11282	5.461	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	5210	3.128	ng	# 1

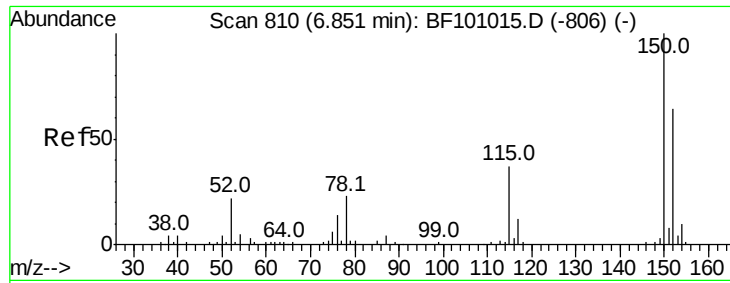
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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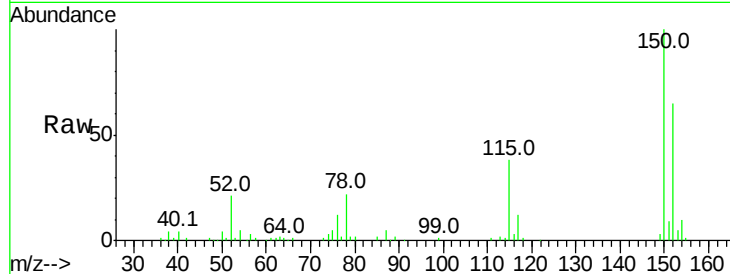


#1

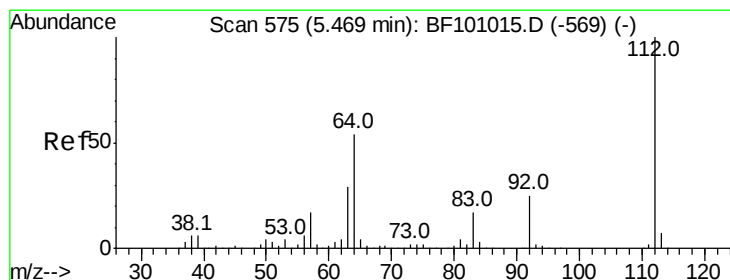
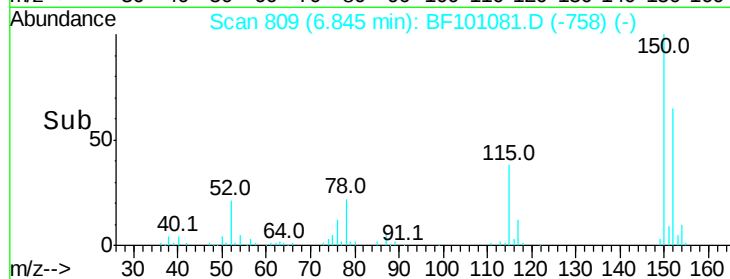
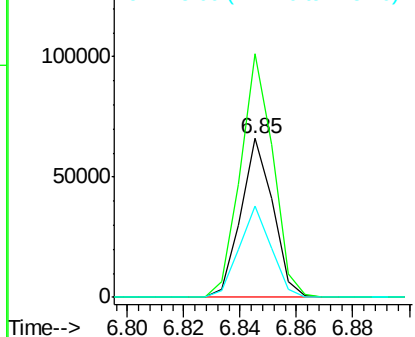
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101081.D
Acq: 1 Dec 2017 23:19

Instrument :
BNA_F
ClientSampleId :
ENV-106-4(10-15)

Tot Ion:152 Resp: 52225
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 57.5 50.1 75.1



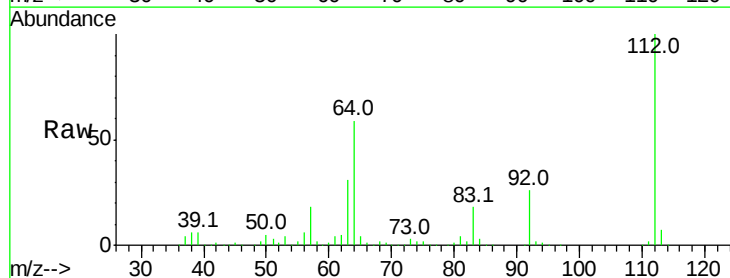
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



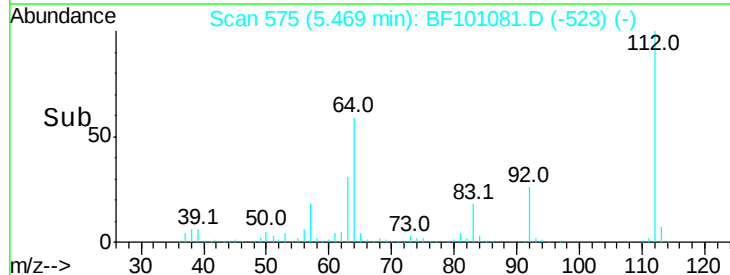
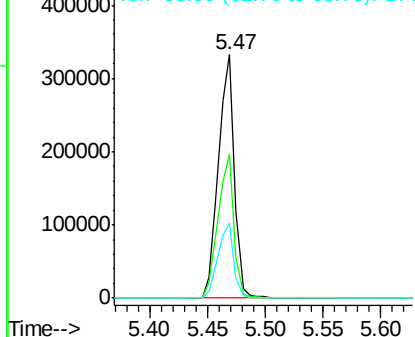
#5

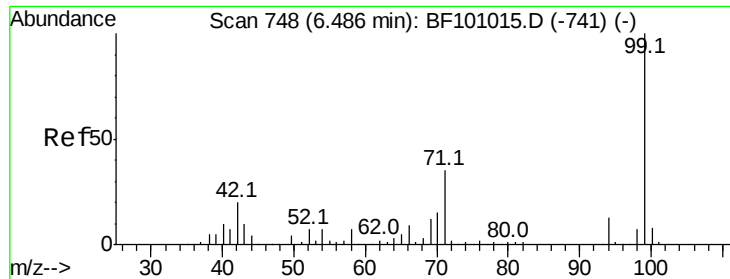
2-Fluorophenol
Concen: 101.650 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101081.D
Acq: 1 Dec 2017 23:19

Tgt Ion:112 Resp: 321261
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 30.9 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: 101.792 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Instrument :

BNA_F

ClientSampleId :

ENV-106-4(10-15)

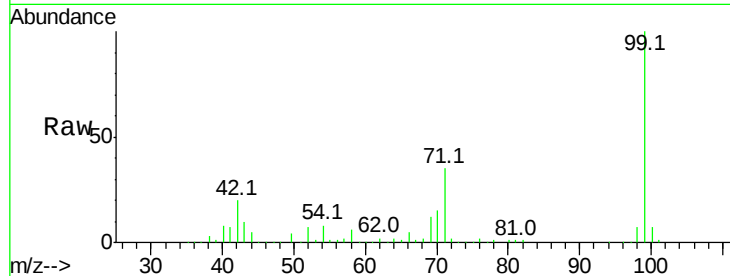
Tot Ion: 99 Resp: 390589

Ion Ratio Lower Upper

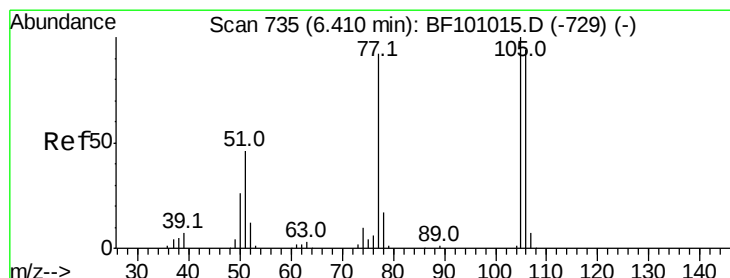
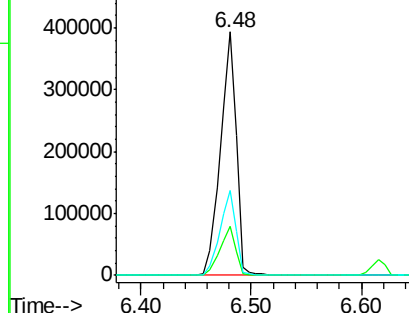
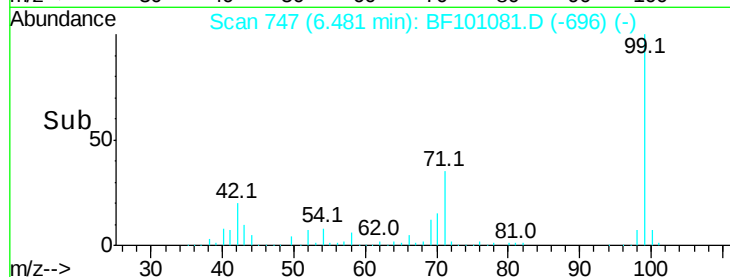
99 100

42 20.3 14.5 21.7

71 34.9 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



#9

Benzaldehyde

Concen: 3.053 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

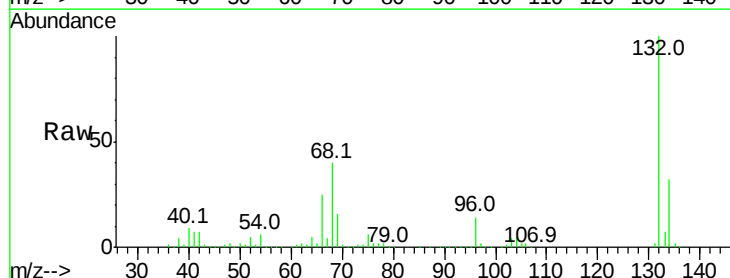
Tgt Ion: 77 Resp: 7171

Ion Ratio Lower Upper

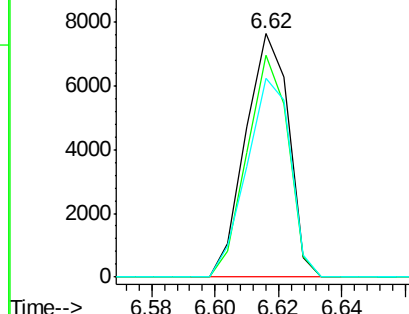
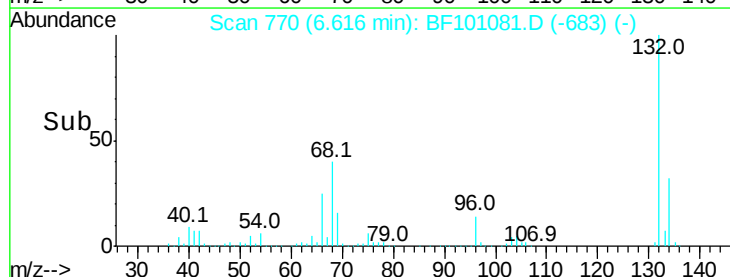
77 100

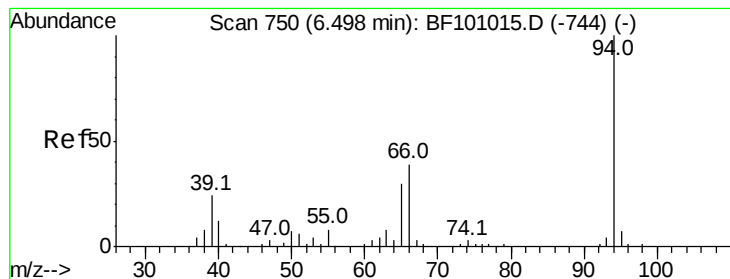
105 90.9 81.1 121.1

106 81.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.507 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Instrument :

BNA_F

ClientSampleId :

ENV-106-4(10-15)

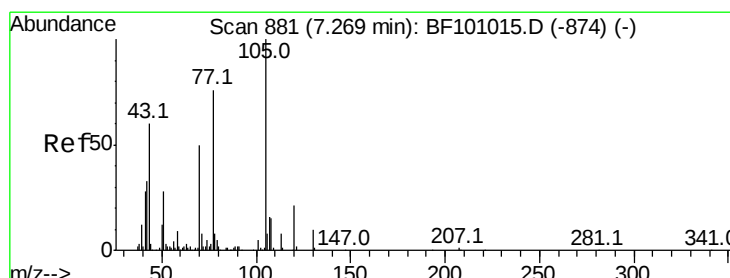
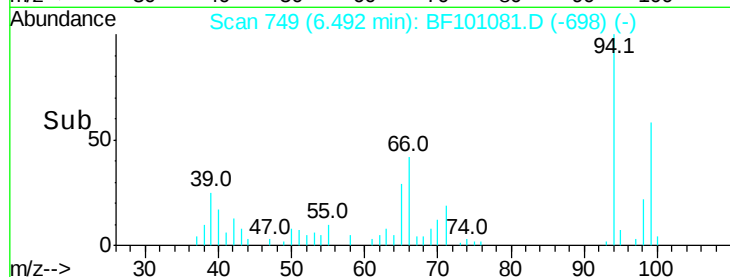
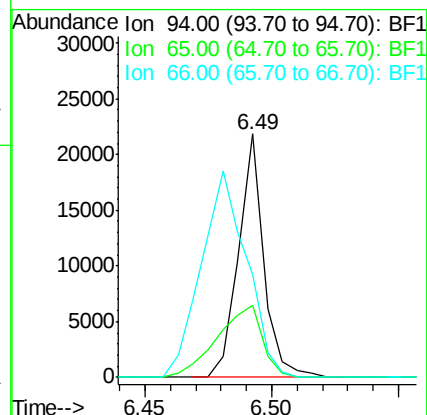
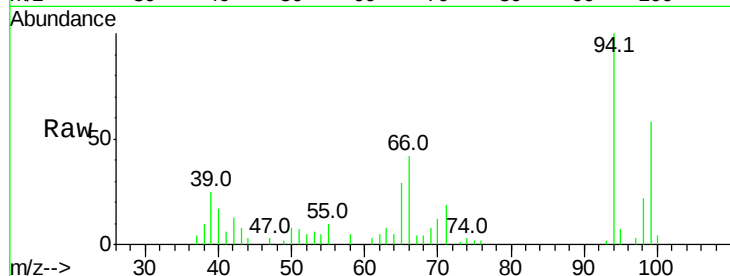
Tot Ion: 94 Resp: 14964

Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

66 42.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.143 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Tgt Ion: 70 Resp: 31379

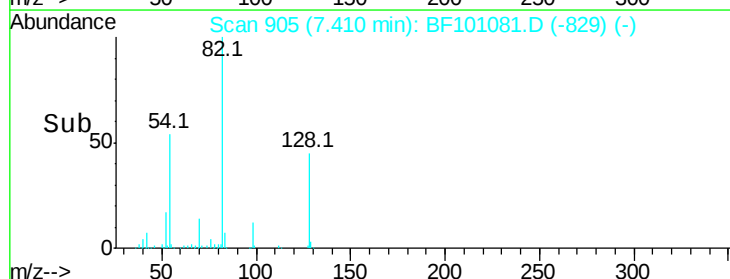
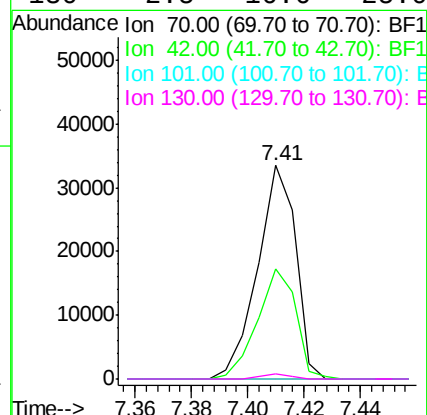
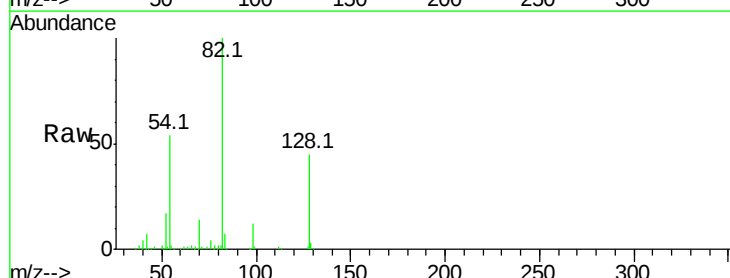
Ion Ratio Lower Upper

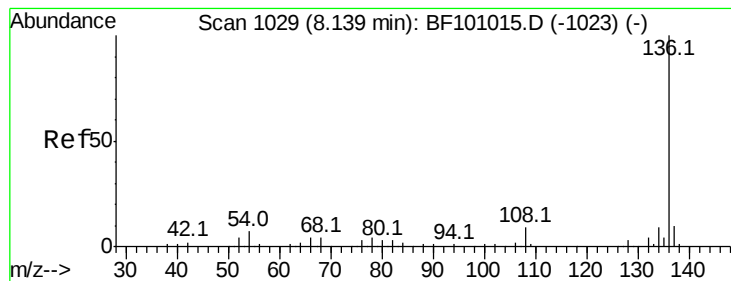
70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Instrument :

BNA_F

ClientSampleId :

ENV-106-4(10-15)

Tot Ion:136 Resp: 200357

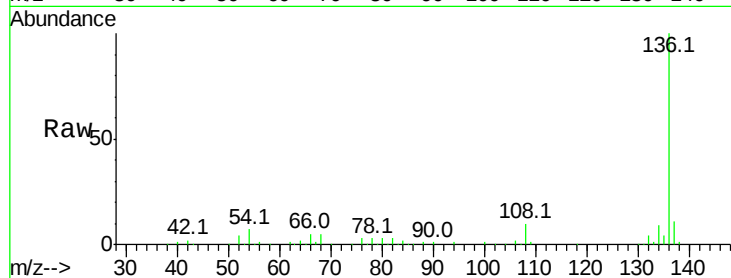
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.2 6.6 9.8

68 4.7 5.0 7.4#

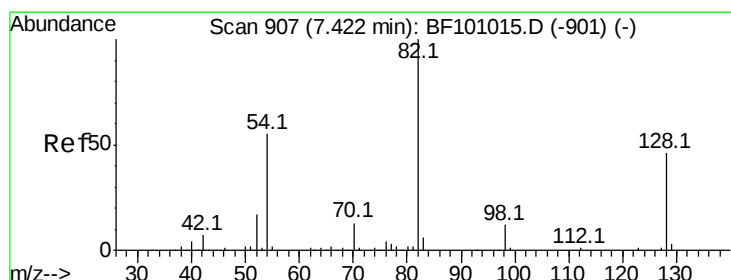
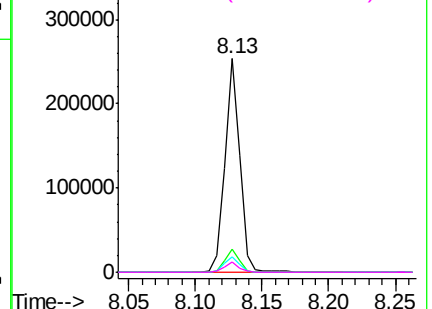
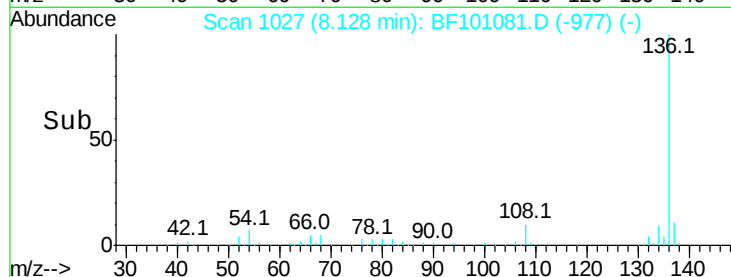


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.201 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

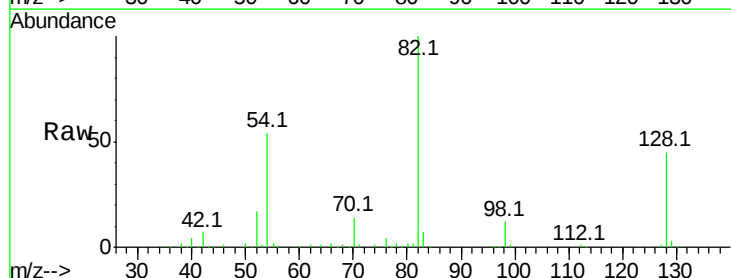
Tgt Ion: 82 Resp: 239144

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

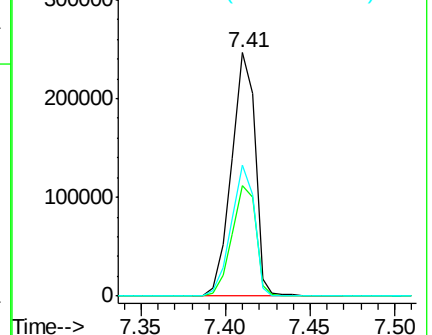
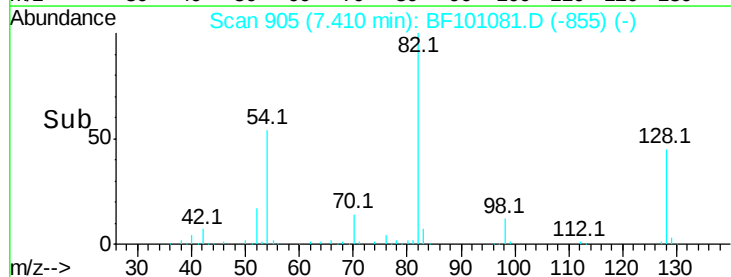
54 54.0 41.4 62.2

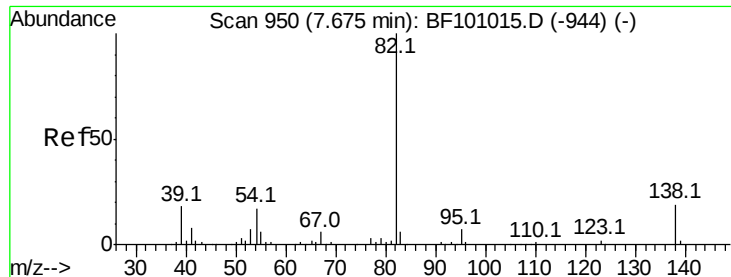


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.684 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Instrument :

BNA_F

ClientSampleId :

ENV-106-4(10-15)

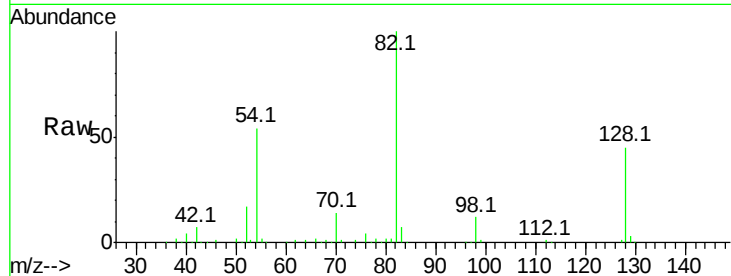
Tot Ion: 82 Resp: 239141

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

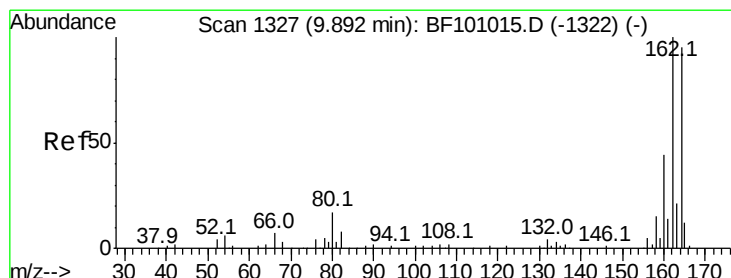
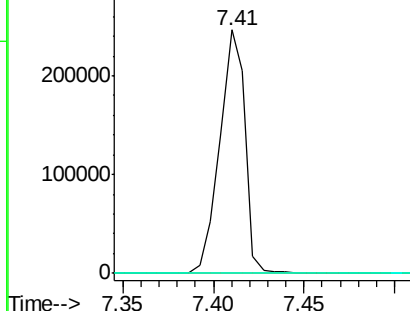
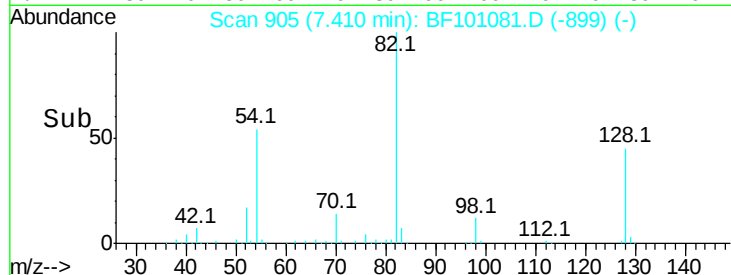
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

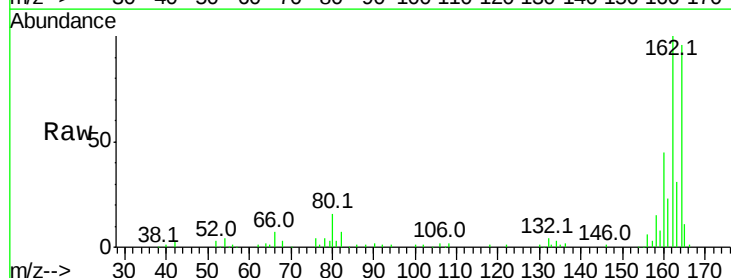
Tgt Ion:164 Resp: 90754

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

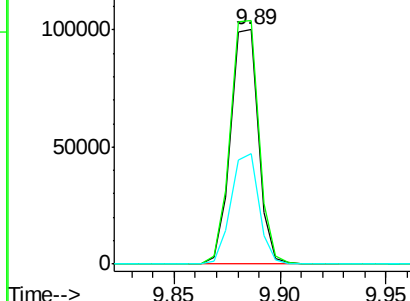
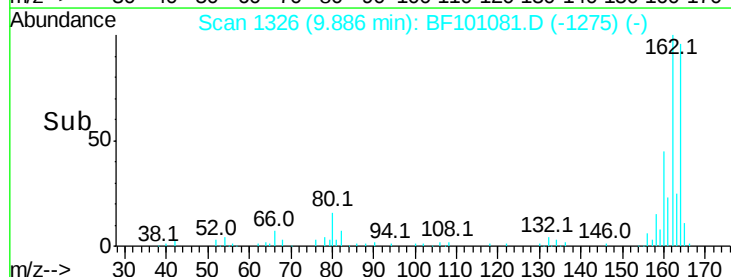
160 46.9 38.3 57.5

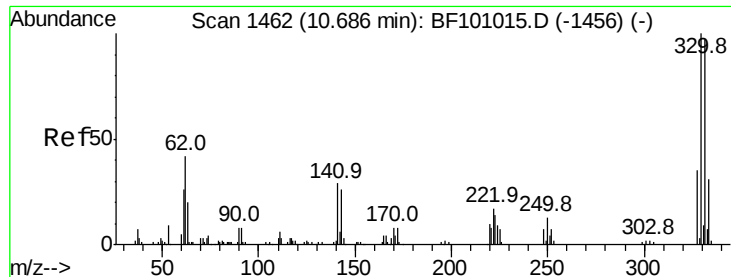


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

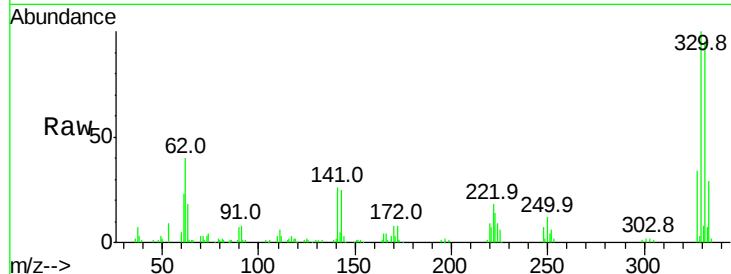




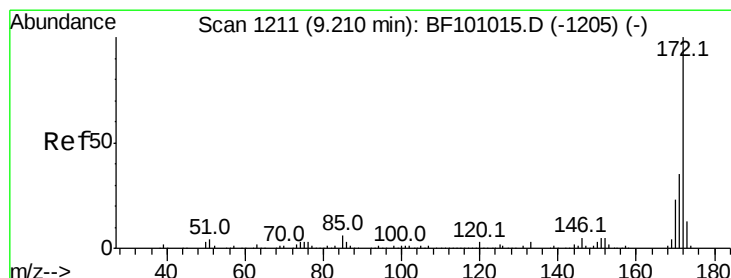
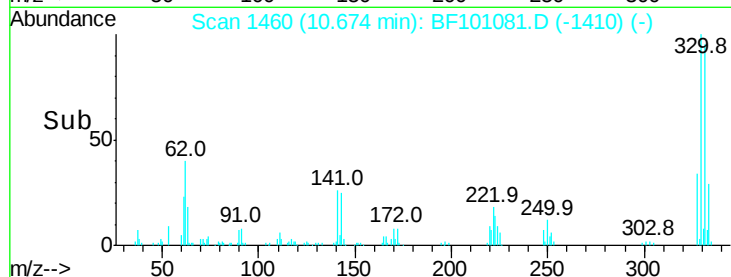
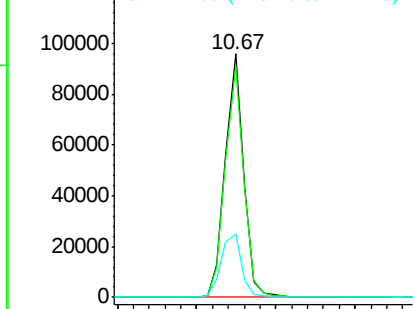
#41
 2,4,6-Tribromophenol
 Concen: 70.992 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-4(10-15)

Tot Ion:330 Resp: 77396
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 28.8 29.9 44.9#

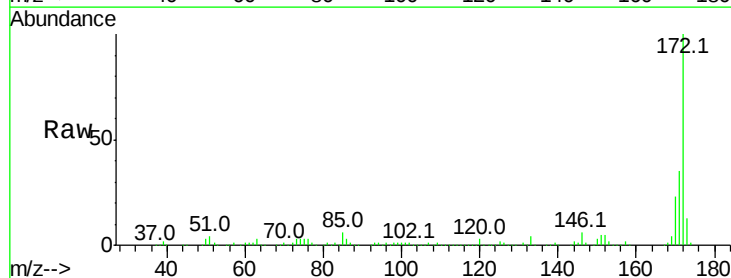


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

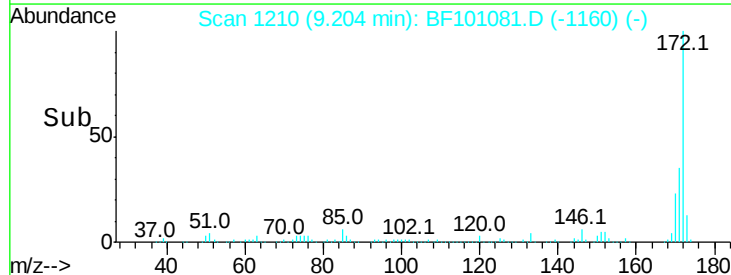
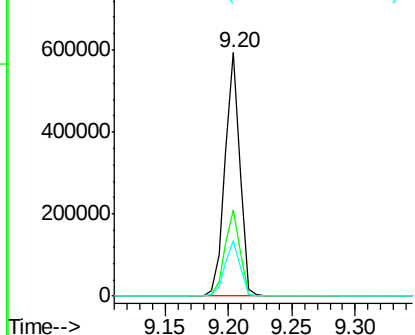


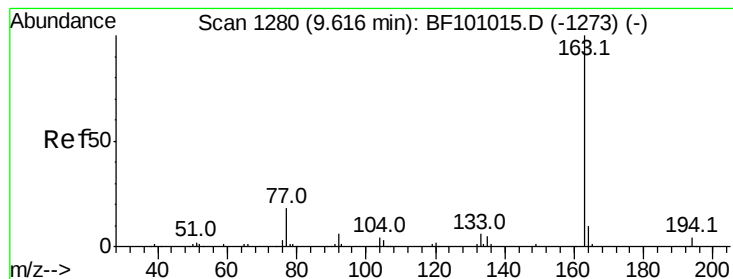
#44
 2-Fluorobiphenyl
 Concen: 73.018 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Tgt Ion:172 Resp: 484338
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 22.9 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





#49

Dimethylphthalate

Concen: 2.900 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

Instrument :

BNA_F

ClientSampleId :

ENV-106-4(10-15)

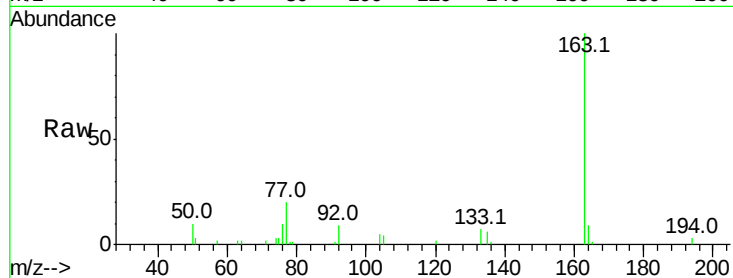
Tot Ion:163 Resp: 21229

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

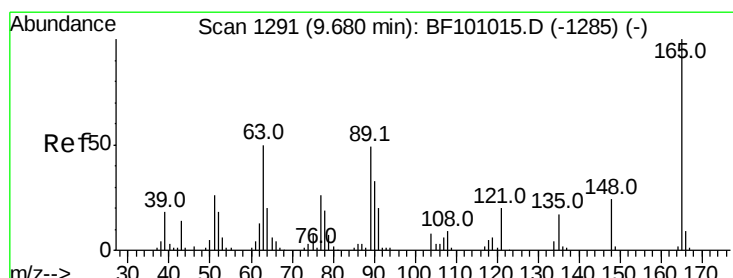
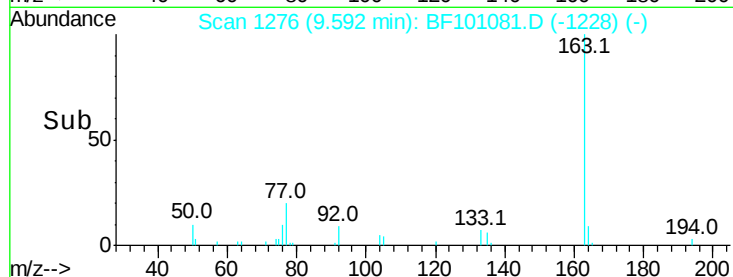
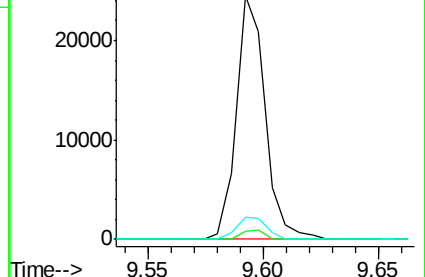
164 9.3 8.2 12.2



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: 7.319 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF101081.D

Acq: 1 Dec 2017 23:19

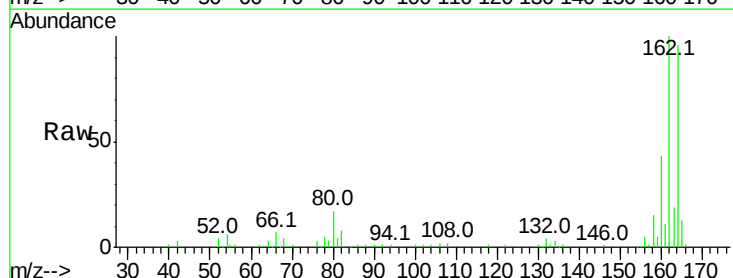
Tgt Ion:165 Resp: 11282

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

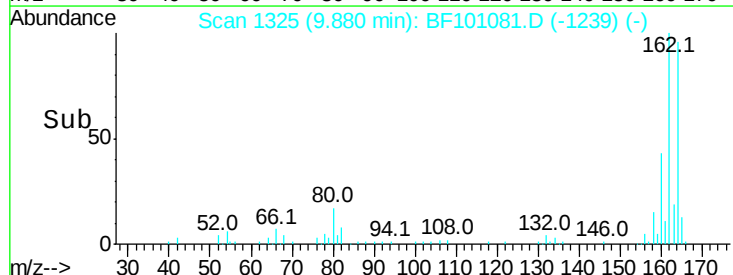
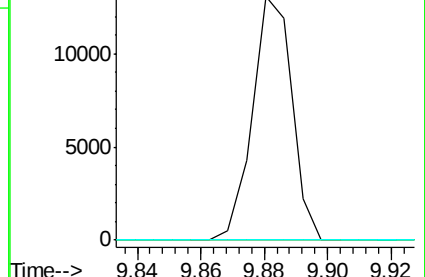
89 0.0 44.0 66.0#

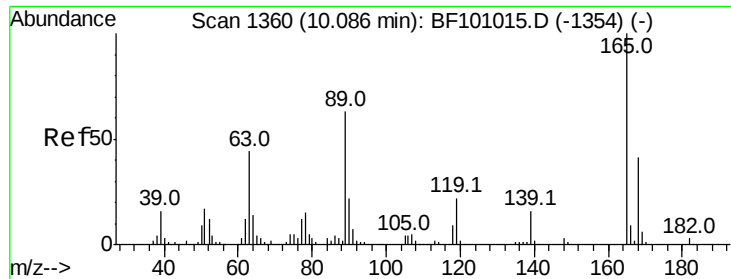


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

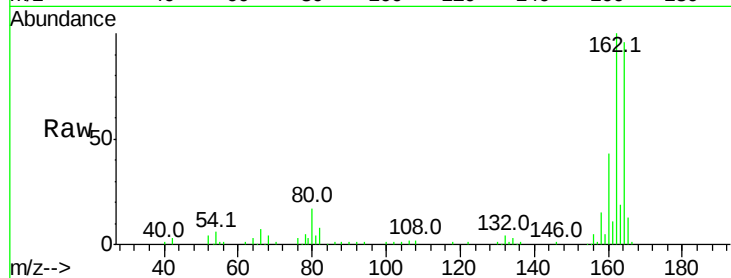




#56
 2,4-Dinitrotoluene
 Concen: 5.461 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-4(10-15)

Tot Ion:165	Resp:	11282
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

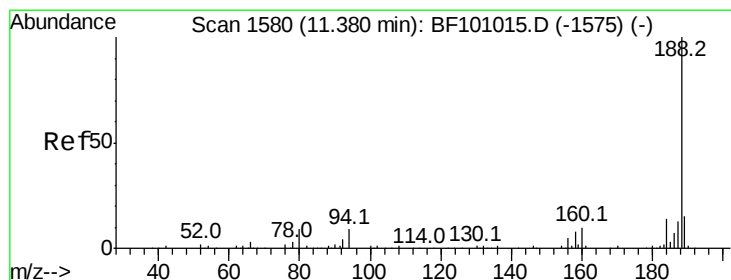
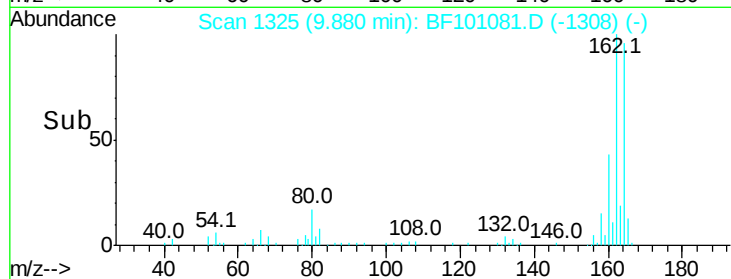
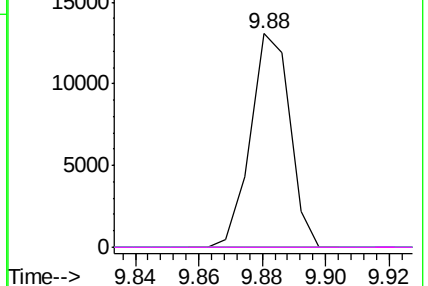


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

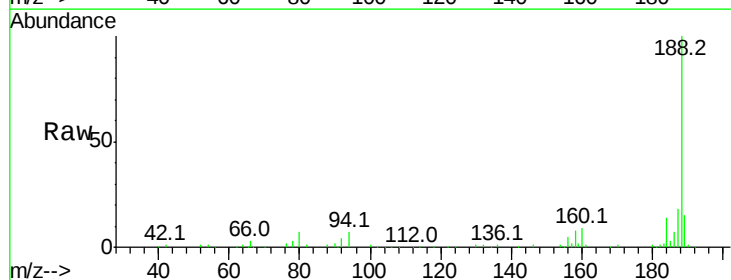
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

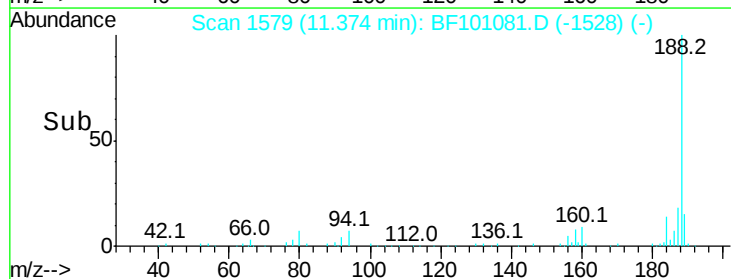
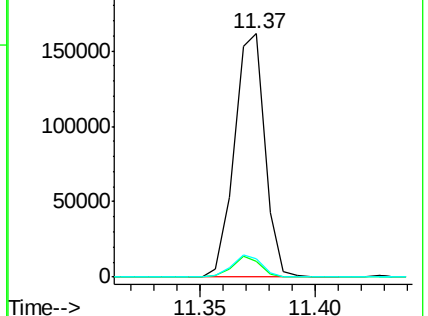
Tgt Ion:188	Resp:	148798
Ion Ratio	Lower	Upper
188	100	
94	6.5	8.5 12.7#
80	7.4	9.2 13.8#

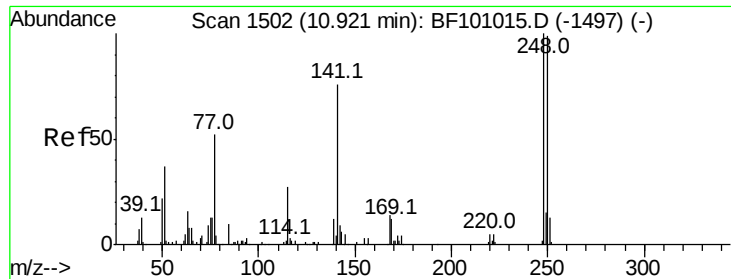


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

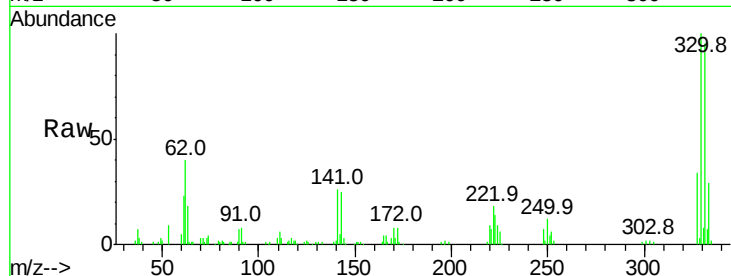




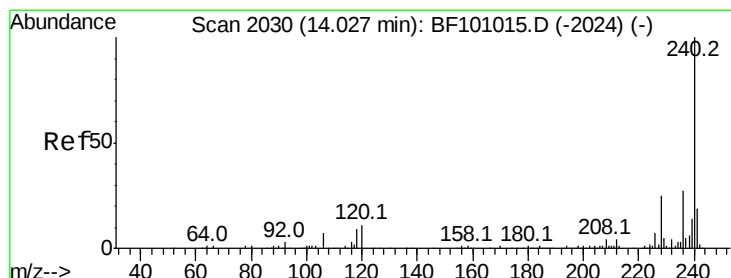
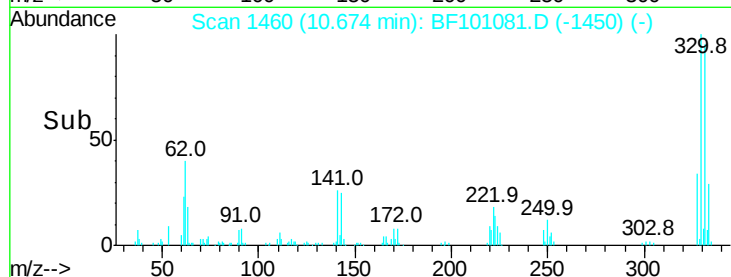
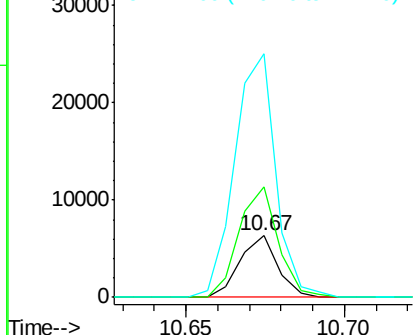
#66
 4-Bromophenyl-phenylether
 Concen: 3.128 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-4(10-15)

Tot Ion:248 Resp: 5210
 Ion Ratio Lower Upper
 248 100
 250 180.6 76.9 115.3#
 141 395.8 74.4 111.6#

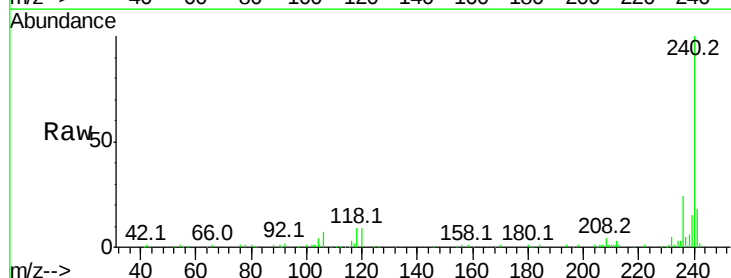


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

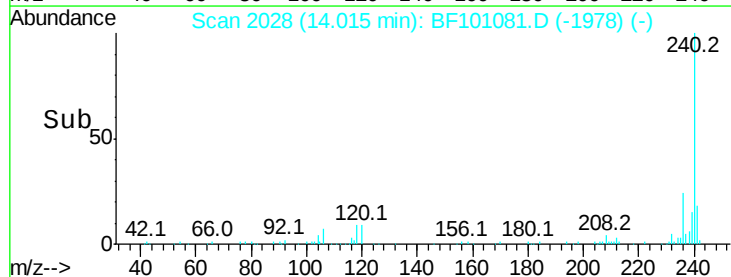
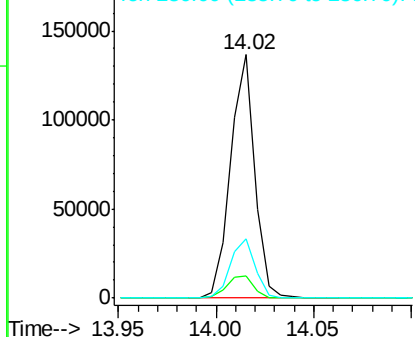


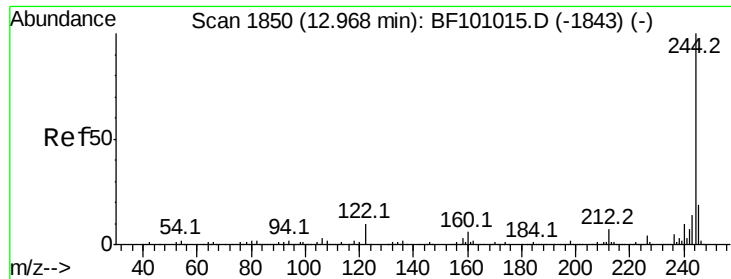
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Tgt Ion:240 Resp: 117415
 Ion Ratio Lower Upper
 240 100
 120 8.9 9.5 14.3#
 236 24.5 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

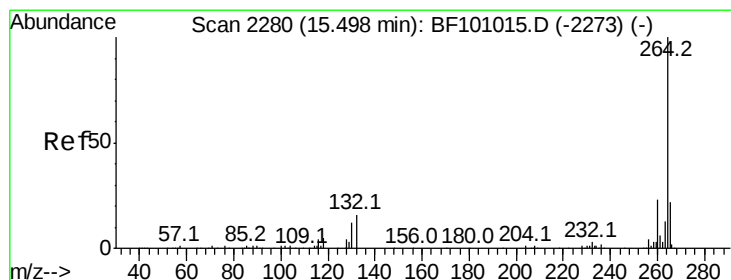
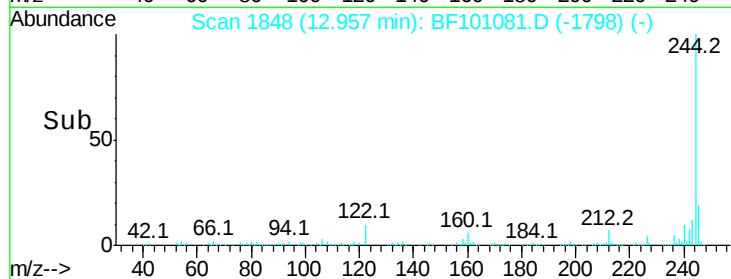
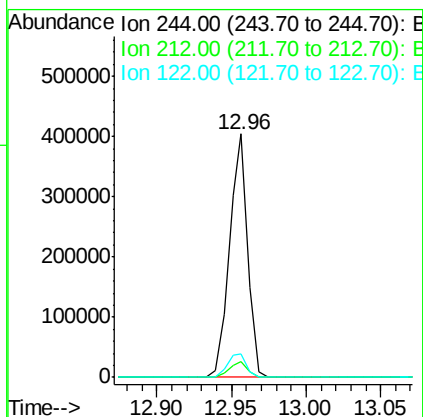
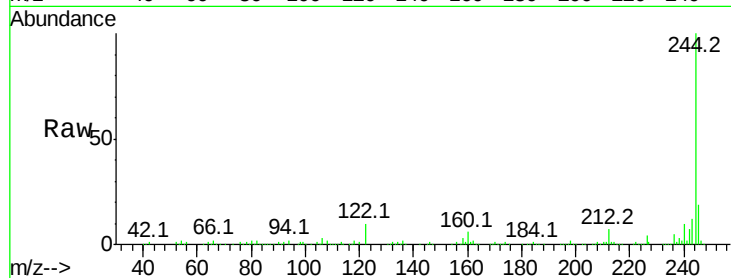




#78
 Terphenyl-d14
 Concen: 64.910 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-4(10-15)

Tot Ion:244 Resp: 348444
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF101081.D
 Acq: 1 Dec 2017 23:19

Tgt Ion:264 Resp: 109580
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.2 17.5 26.3

