

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102318.D
 Acq On : 22 Jan 2018 23:51
 Operator : SJ/JU
 Sample : J1238-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 05:31:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

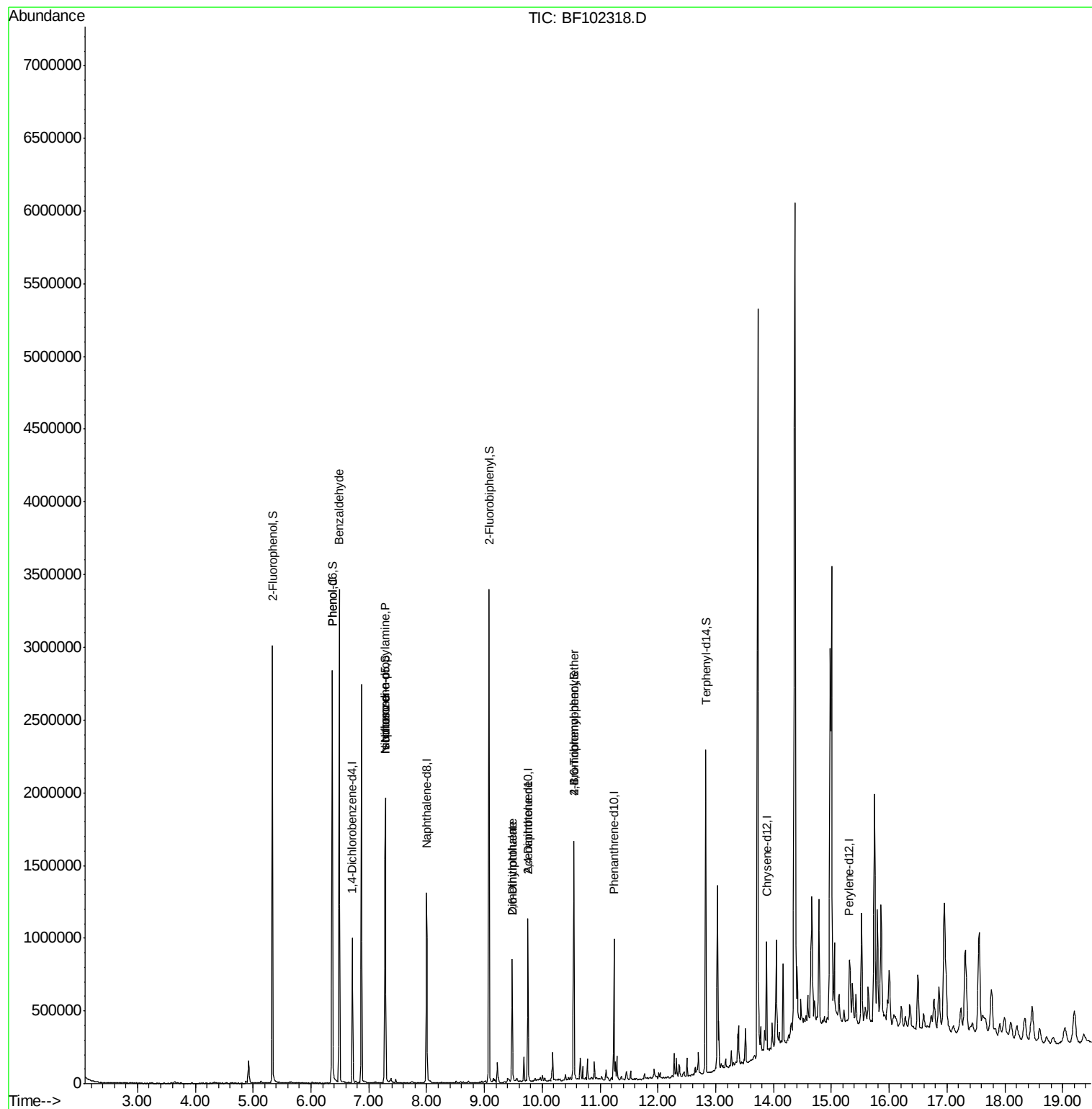
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	144262	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	580734	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	229377	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	317541	20.00	ng	0.00
75) Chrysene-d12	13.88	240	250578	20.00	ng	0.00
86) Perylene-d12	15.31	264	162059	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	897480	94.33	ng	0.01
7) Phenol-d6	6.37	99	1078266	94.00	ng	0.01
23) Nitrobenzene-d5	7.29	82	650987	64.42	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	179007	78.76	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1106258	70.91	ng	0.00
78) Terphenyl-d14	12.83	244	742894	66.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	18960	2.403	ng	82
10) Phenol	6.37	94	44795	3.577	ng	# 71
19) n-Nitroso-di-n-propylamine	7.29	70	86357	12.302	ng	# 78
25) Isophorone	7.29	82	646659	35.894	ng	# 64
49) Dimethylphthalate	9.47	163	128744	6.790	ng	# 59
50) 2,6-Dinitrotoluene	9.49	165	17094	4.182	ng	# 78
56) 2,4-Dinitrotoluene	9.75	165	30122	5.992	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	11460	3.353	ng	# 1

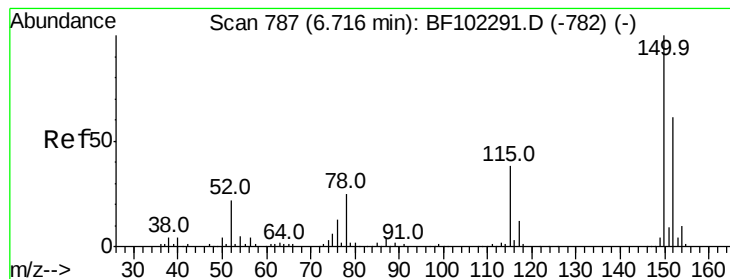
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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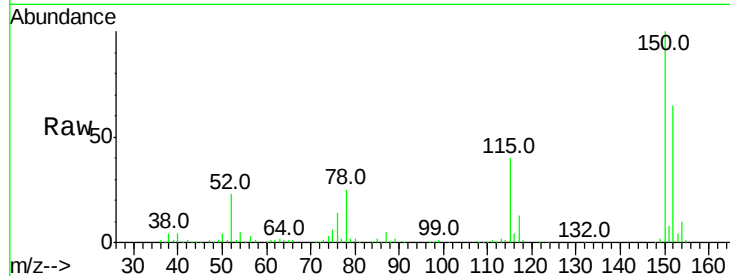


#1

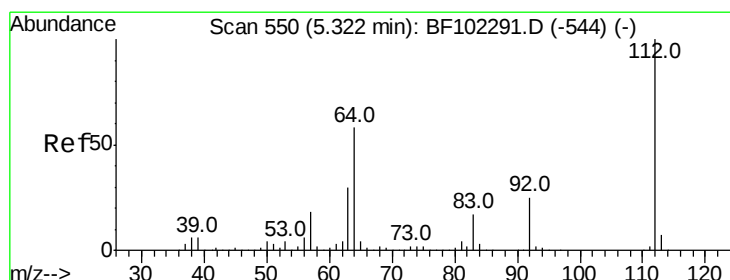
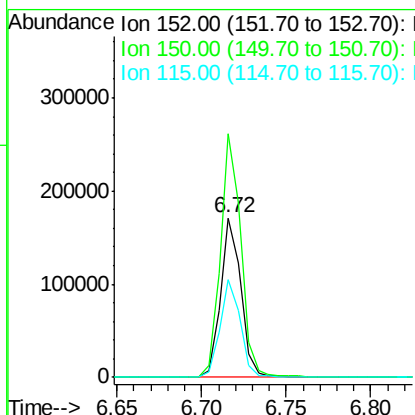
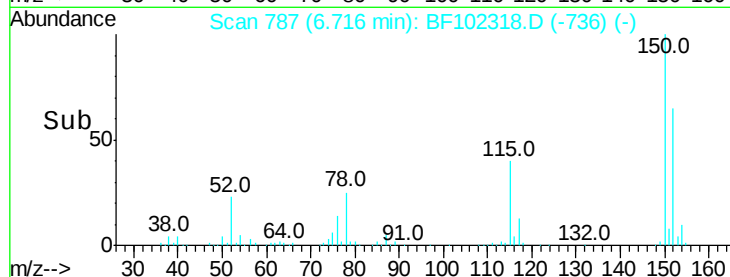
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 144262
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.6 186.8
 115 61.8 50.1 75.1



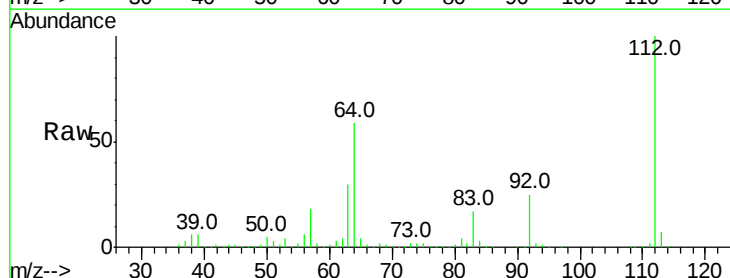
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



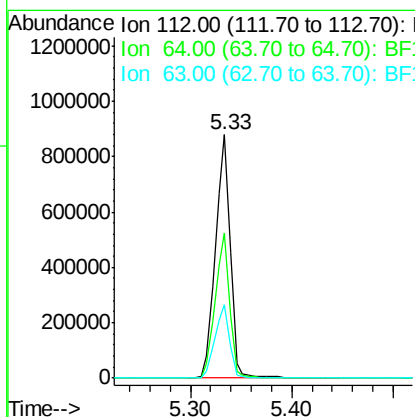
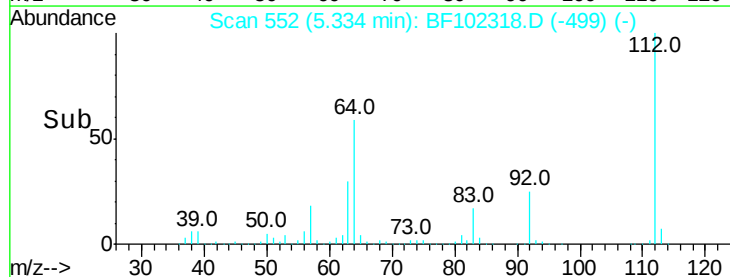
#5

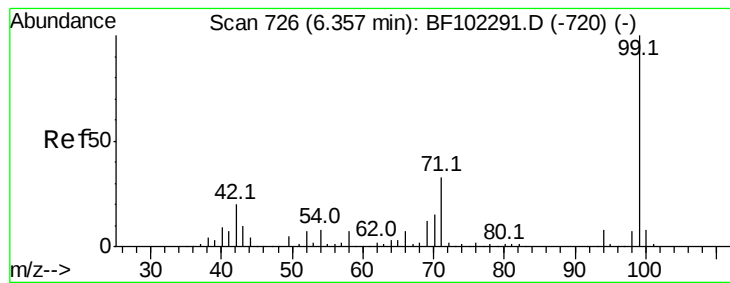
2-Fluorophenol
 Concen: 94.329 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Tgt Ion:112 Resp: 897480
 Ion Ratio Lower Upper
 112 100
 64 59.4 47.9 71.9
 63 30.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.004 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Instrument :

BNA_F

ClientSampled :

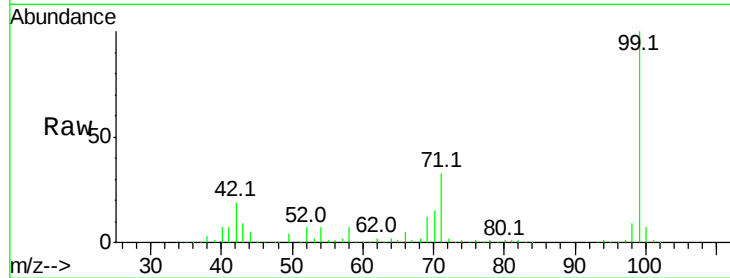
Tot Ion: 99 Resp: 1078266

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

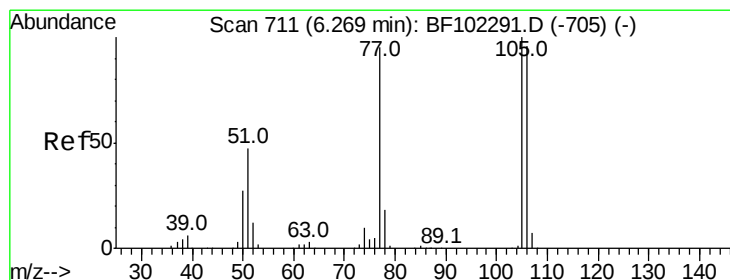
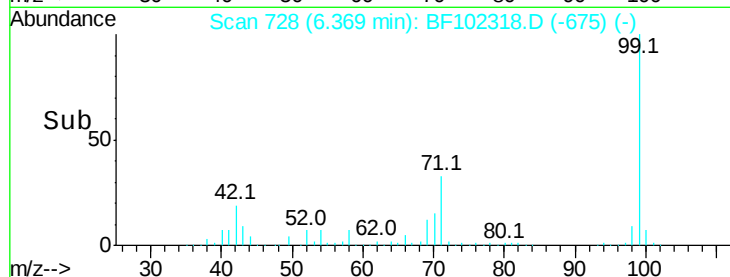
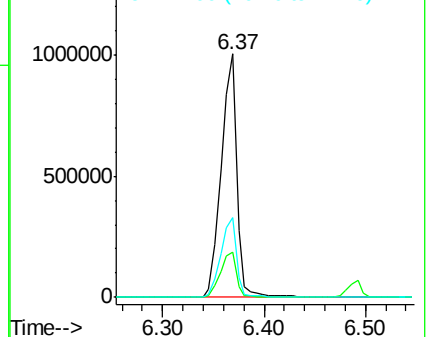
71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.403 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

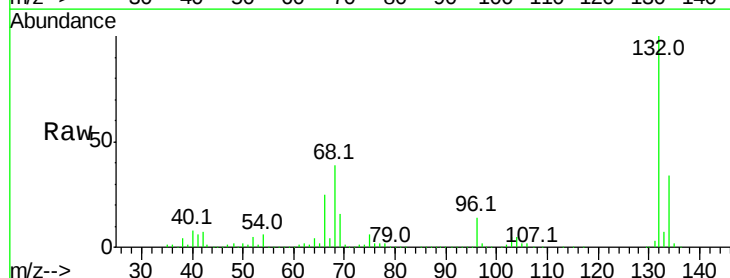
Tgt Ion: 77 Resp: 18960

Ion Ratio Lower Upper

77 100

105 81.5 81.1 121.1

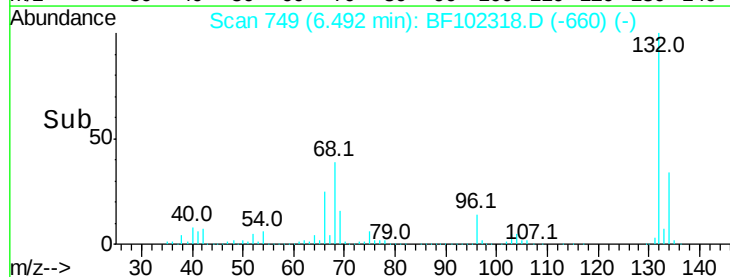
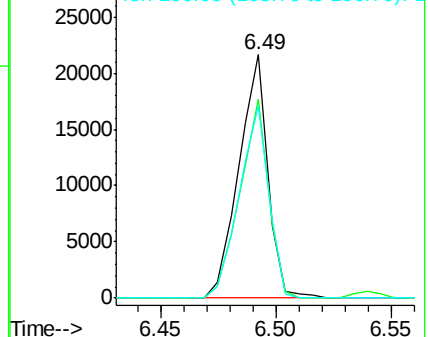
106 79.0 74.5 114.5

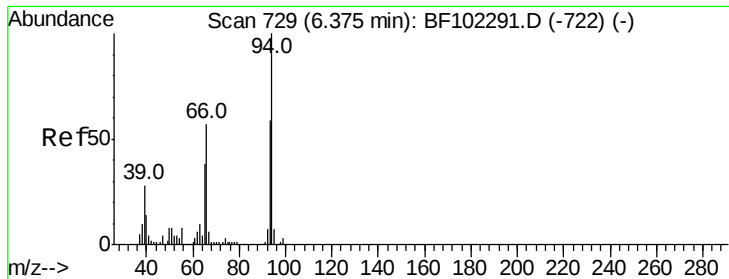


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.577 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Instrument :

BNA_F

ClientSampleId :

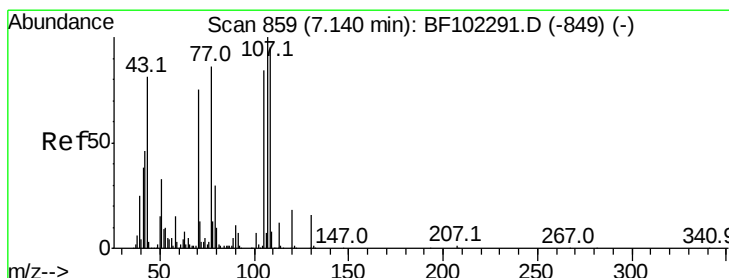
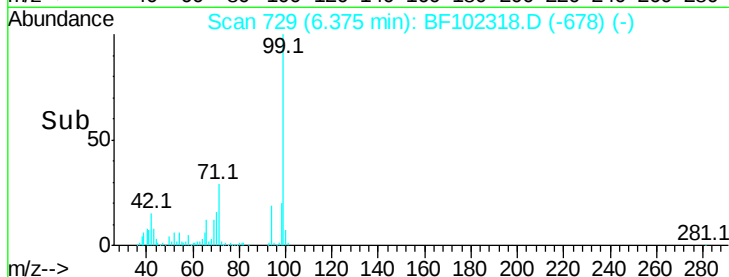
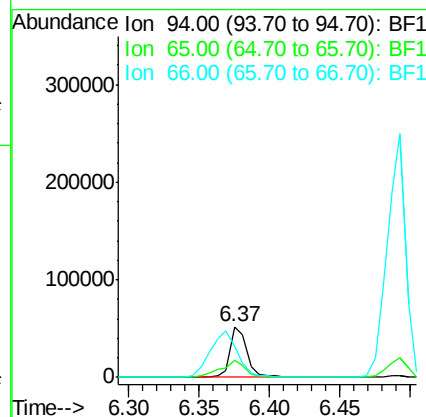
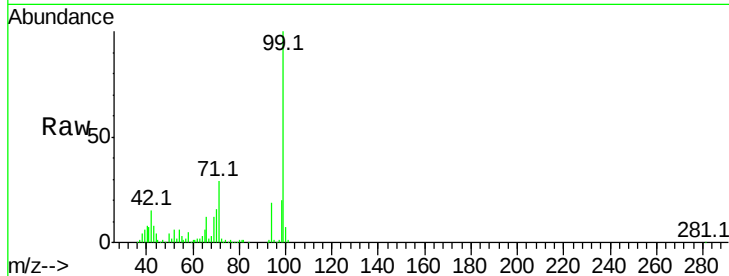
Tot Ion: 94 Resp: 44795

Ion Ratio Lower Upper

94 100

65 32.9 7.9 47.9

66 61.9 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.302 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Tgt Ion: 70 Resp: 86357

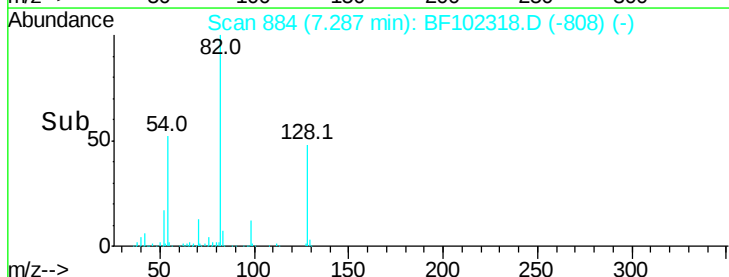
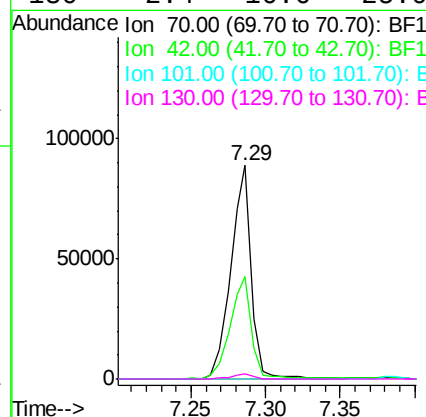
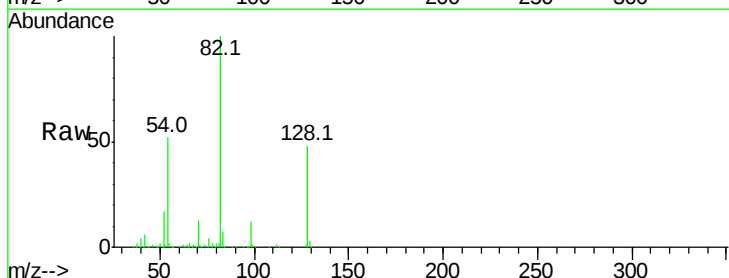
Ion Ratio Lower Upper

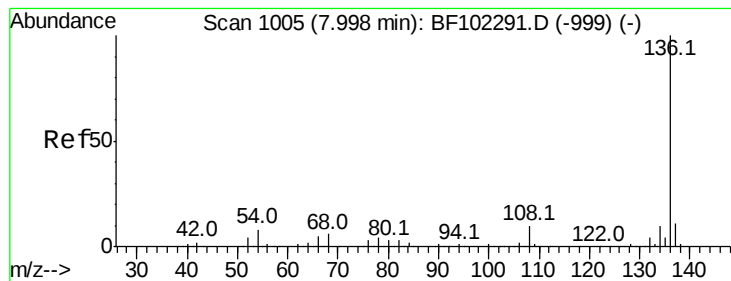
70 100

42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 580734

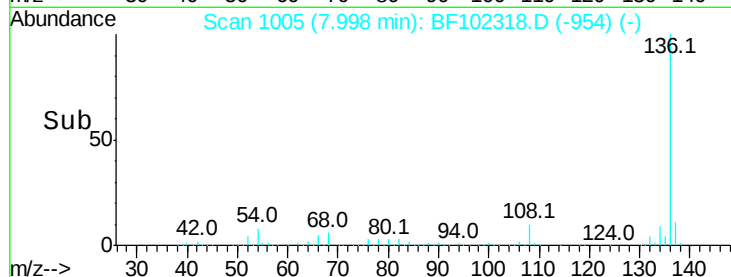
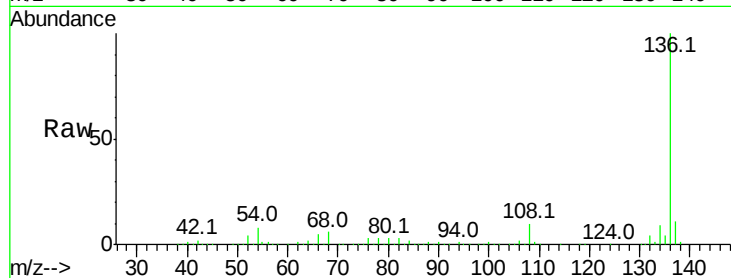
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.3 6.6 9.8

68 5.6 5.0 7.4

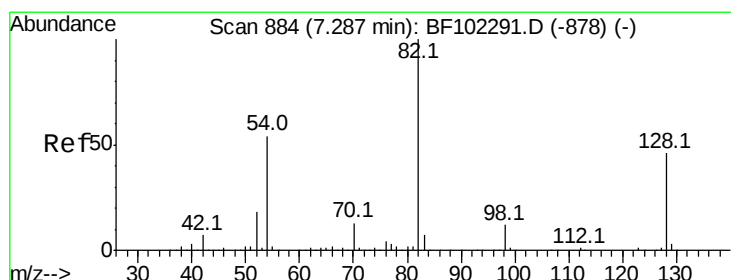
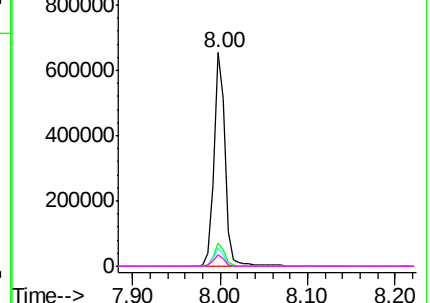


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.419 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

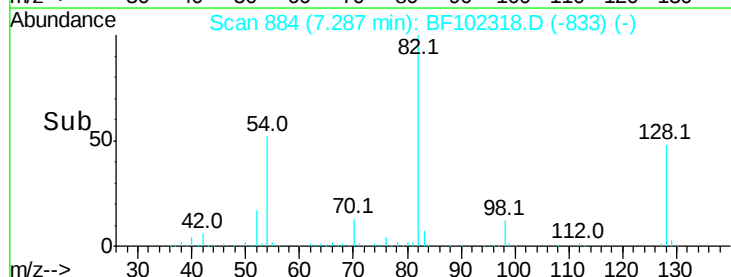
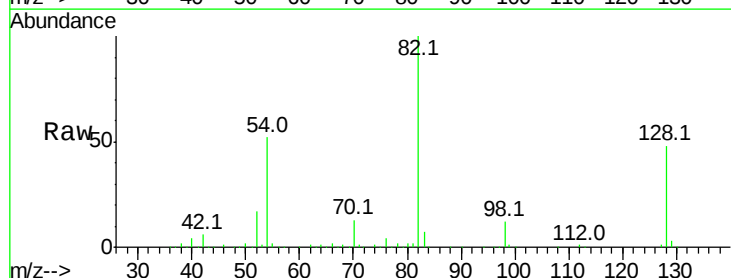
Tgt Ion: 82 Resp: 650987

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

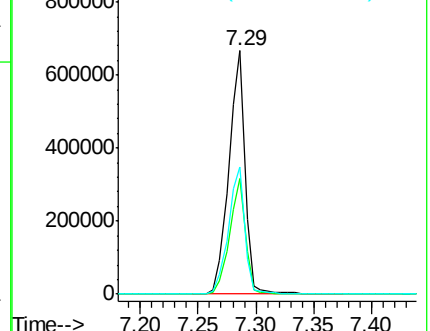
54 52.3 41.4 62.2

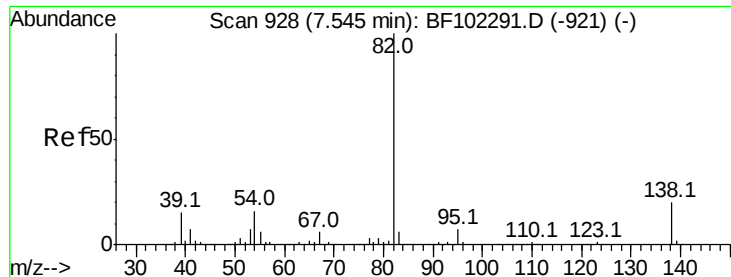


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.894 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Instrument :

BNA_F

ClientSampled :

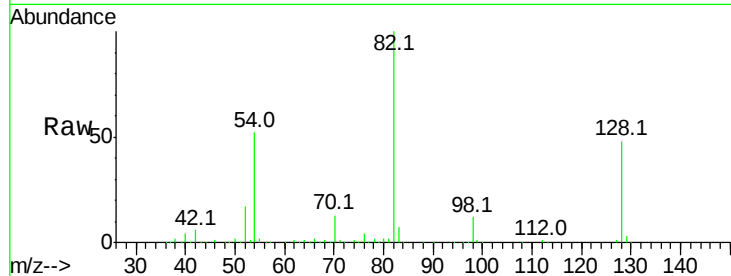
Tot Ion: 82 Resp: 646659

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

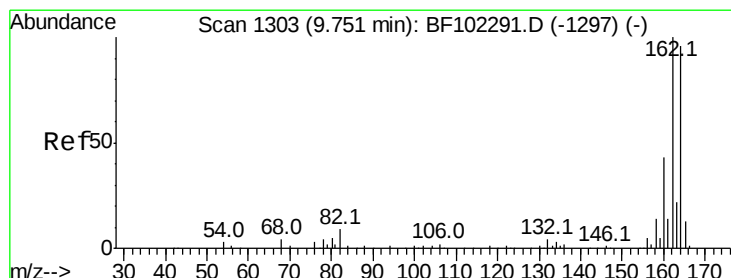
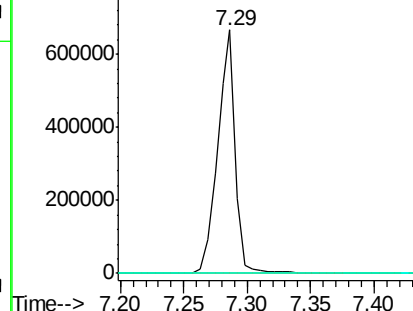
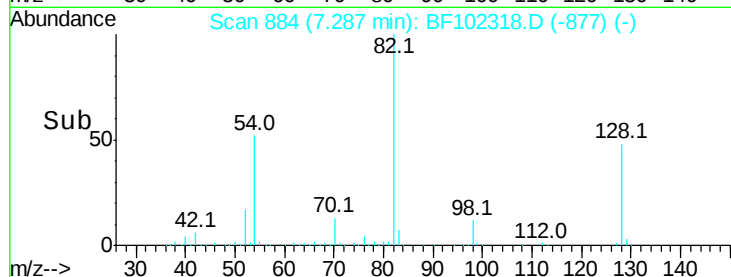
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

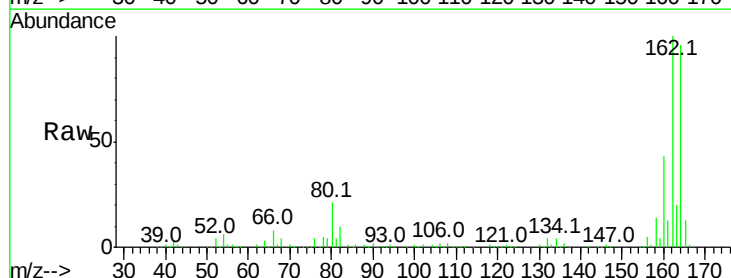
Tgt Ion:164 Resp: 229377

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

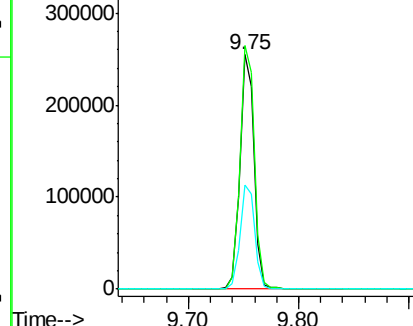
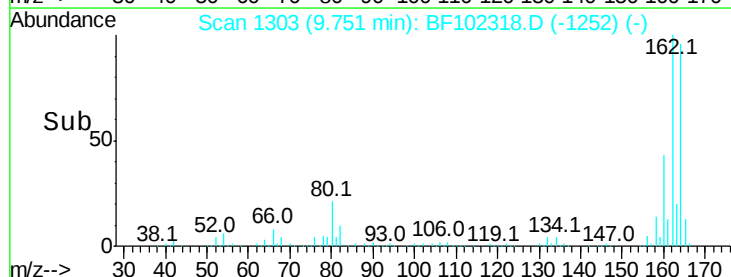
160 44.6 38.3 57.5

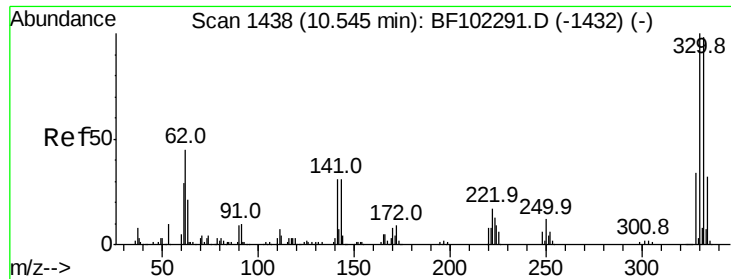


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

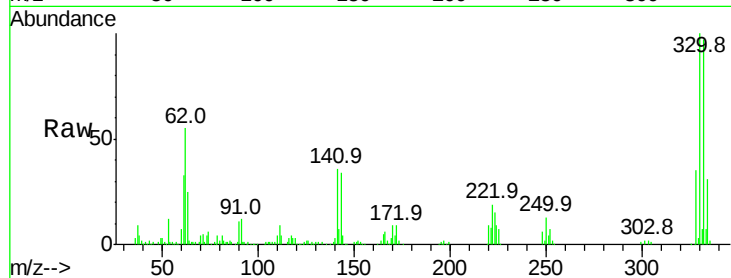




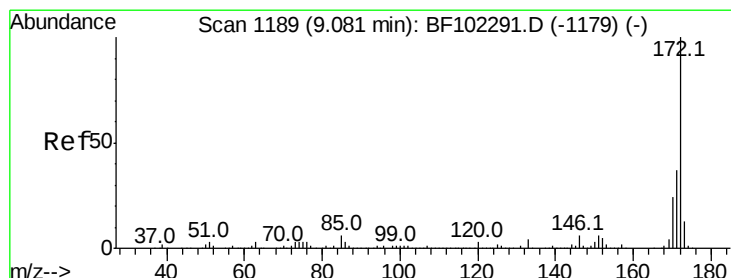
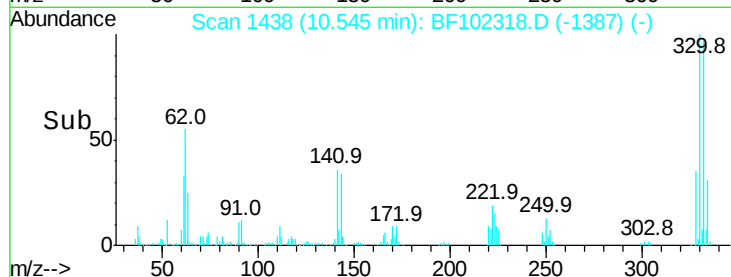
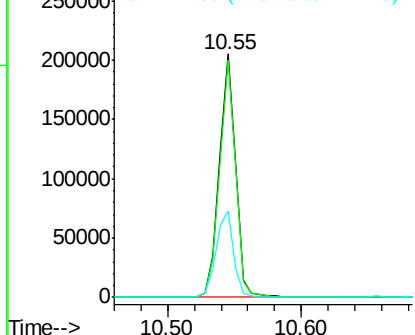
#41
 2,4,6-Tribromophenol
 Concen: 78.761 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 179007
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 38.2 29.9 44.9

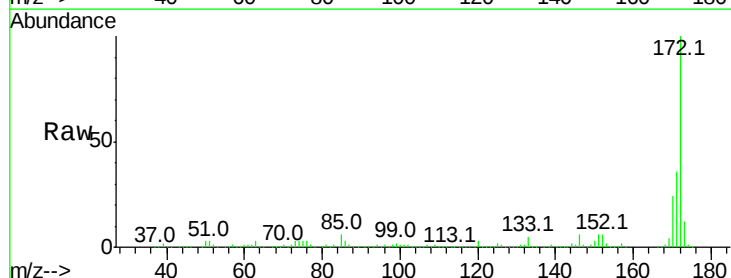


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

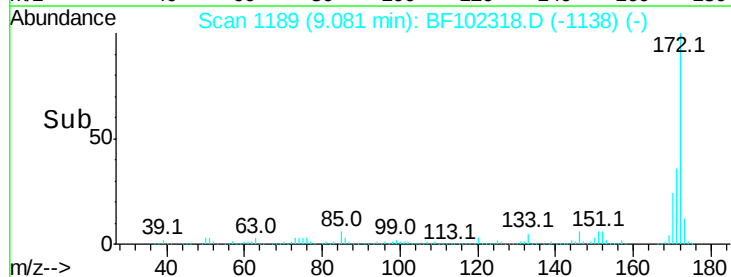
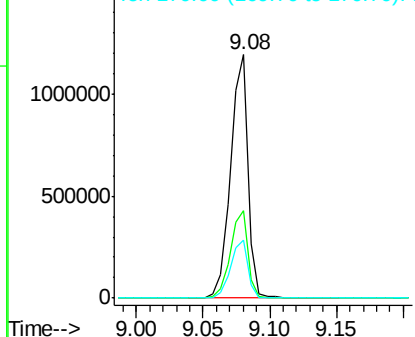


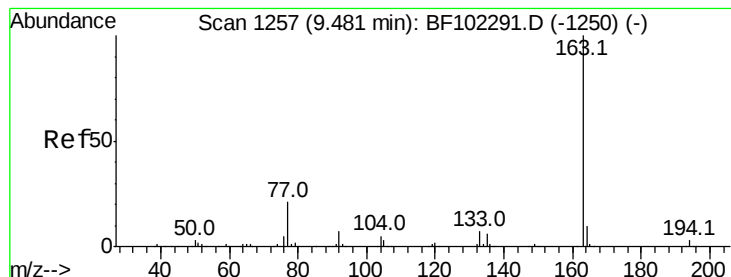
#44
 2-Fluorobiphenyl
 Concen: 70.913 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Tgt Ion:172 Resp: 1106258
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 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: 6.790 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

Instrument :

BNA_F

ClientSampleId :

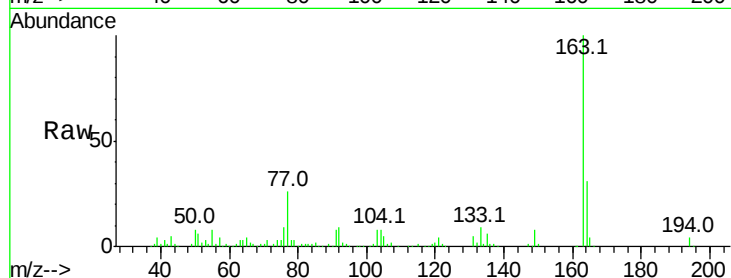
Tot Ion:163 Resp: 128744

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

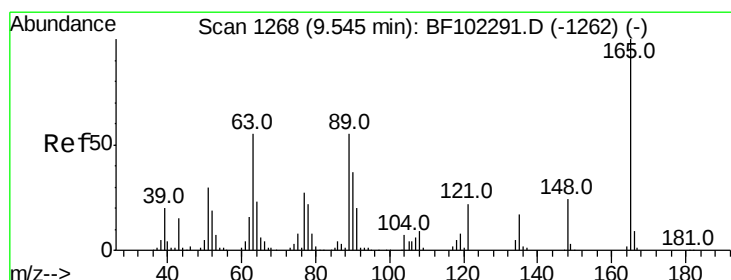
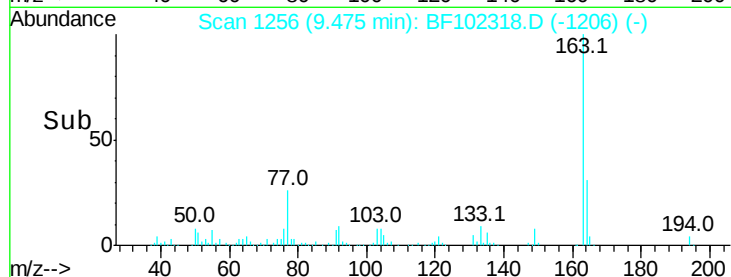
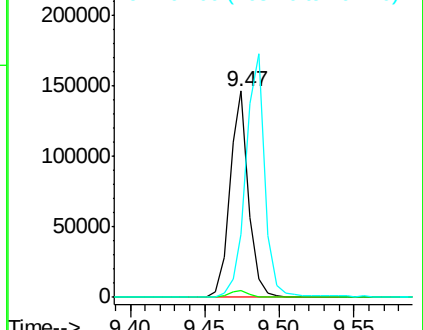
164 30.7 8.2 12.2#



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: 4.182 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.06 min

Lab File: BF102318.D

Acq: 22 Jan 2018 23:51

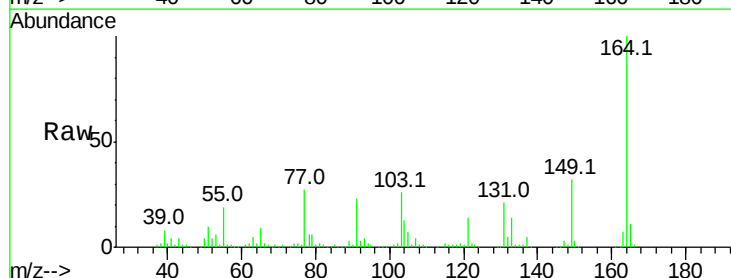
Tgt Ion:165 Resp: 17094

Ion Ratio Lower Upper

165 100

63 49.8 44.7 67.1

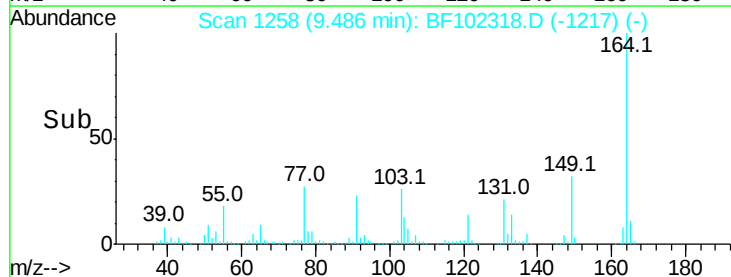
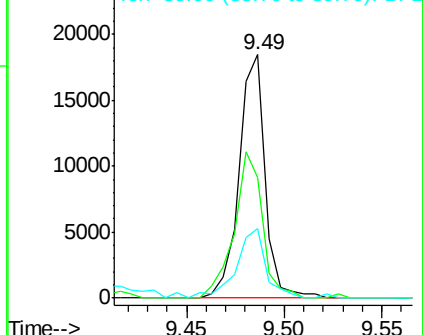
89 28.6 44.0 66.0#

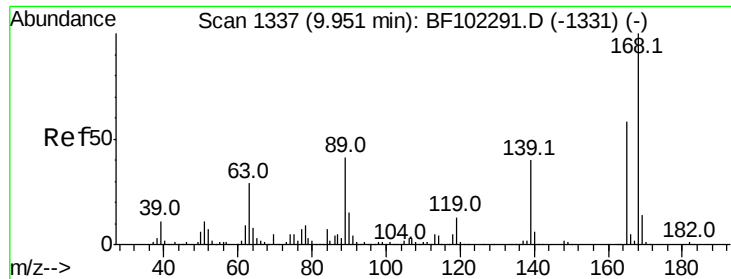


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

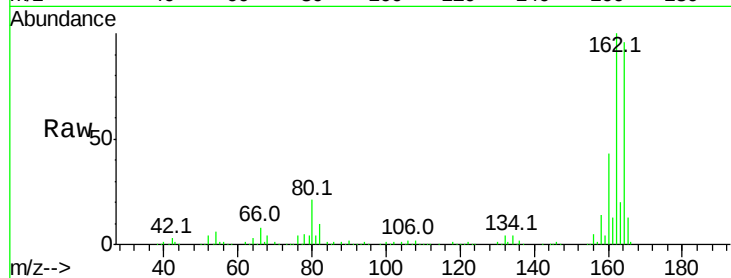




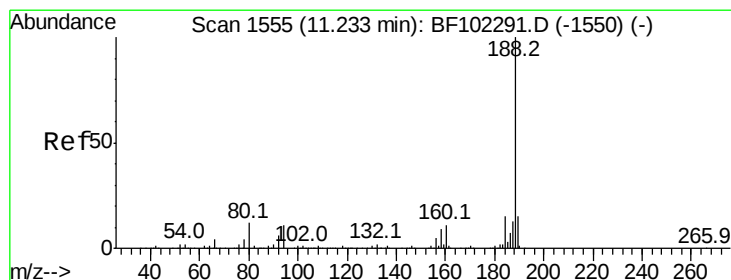
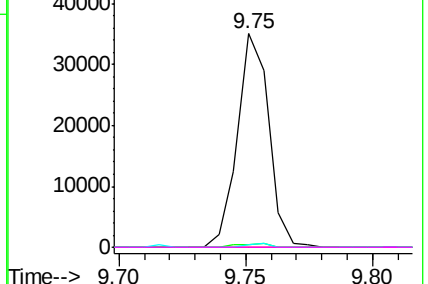
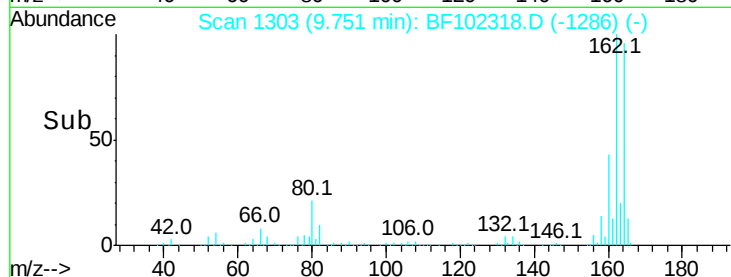
#56
 2,4-Dinitrotoluene
 Concen: 5.992 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 30122
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

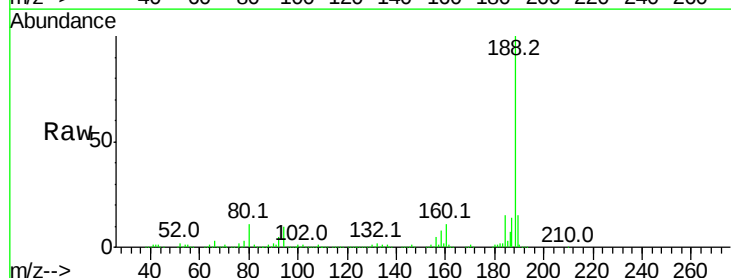


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

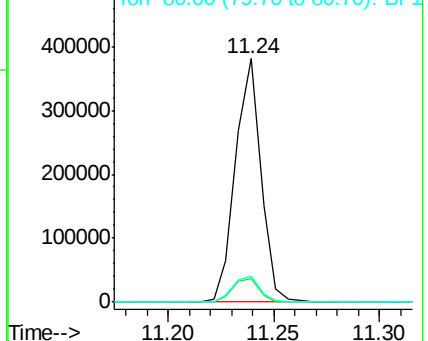
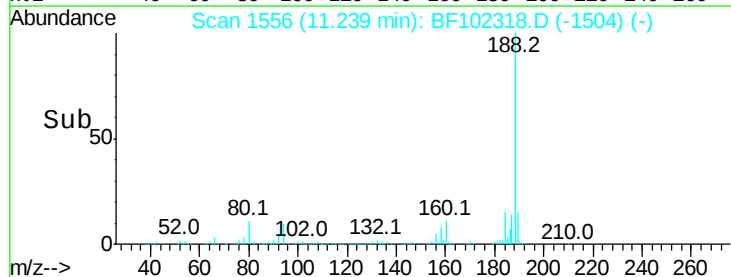


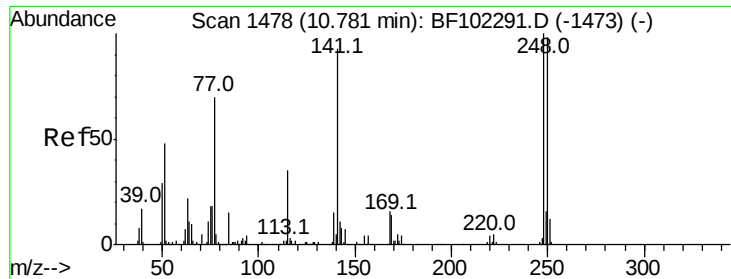
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Tgt Ion:188 Resp: 317541
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.9 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

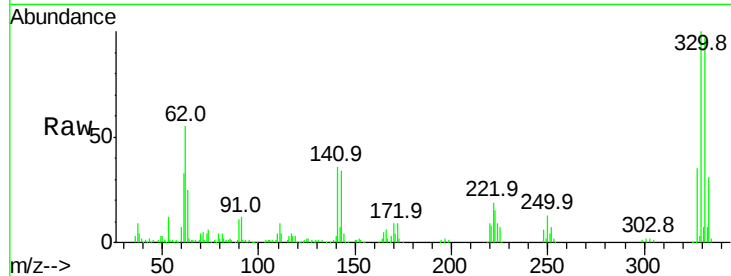




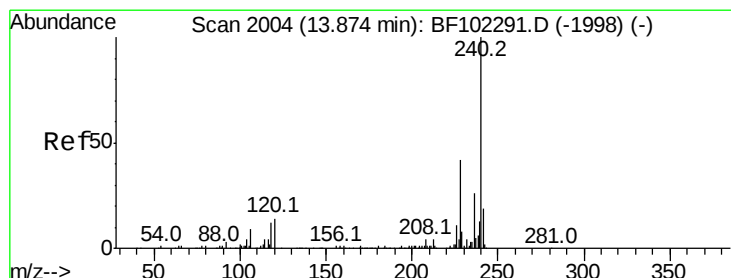
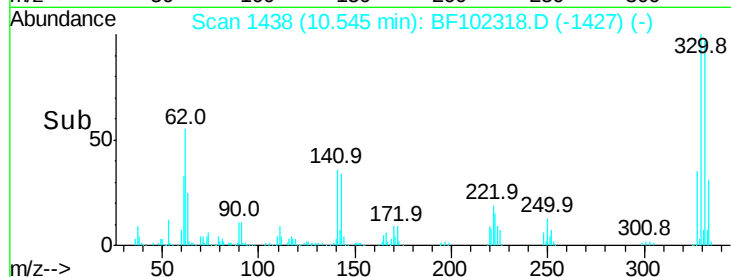
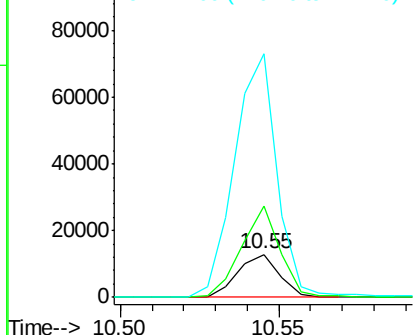
#66
4-Bromophenyl-phenylether
Concen: 3.353 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102318.D
Acq: 22 Jan 2018 23:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11460
Ion Ratio Lower Upper
248 100
250 210.4 76.9 115.3#
141 564.0 74.4 111.6#

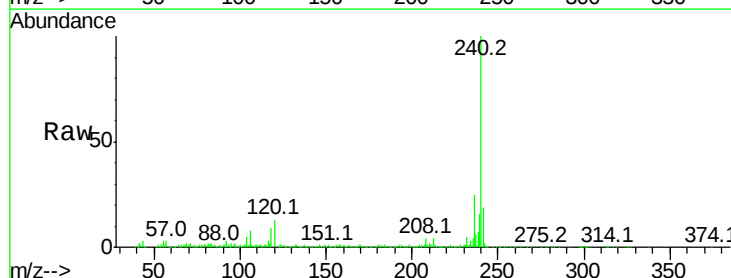


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

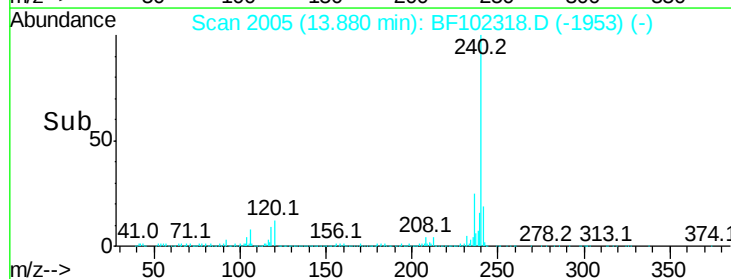
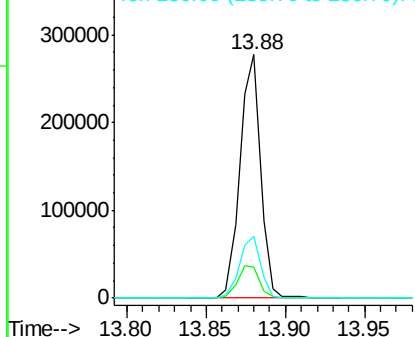


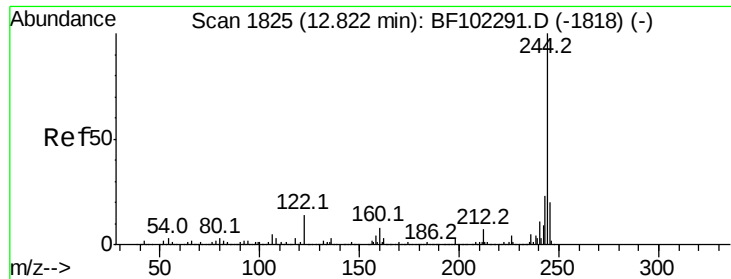
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102318.D
Acq: 22 Jan 2018 23:51

Tgt Ion:240 Resp: 250578
Ion Ratio Lower Upper
240 100
120 12.6 9.5 14.3
236 25.2 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

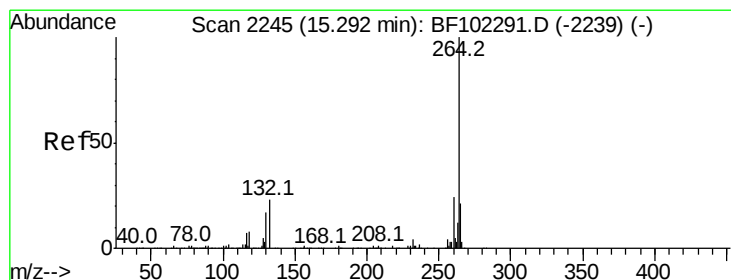
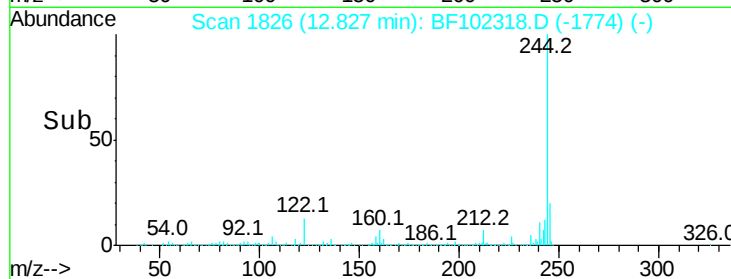
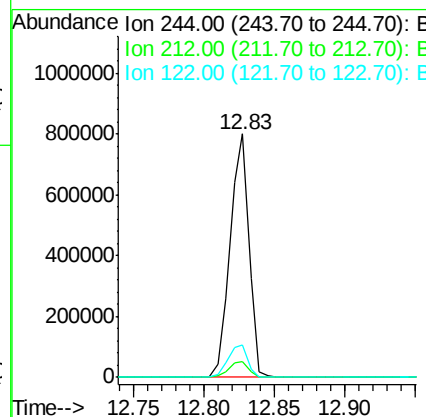
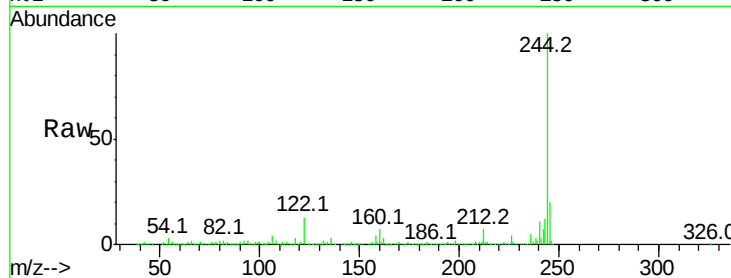




#78
 Terphenyl-d14
 Concen: 66.835 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 742894
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.02 min
 Lab File: BF102318.D
 Acq: 22 Jan 2018 23:51

Tgt Ion:264 Resp: 162059
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 22.3 17.5 26.3

