

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102082.D
 Acq On : 16 Jan 2018 00:00
 Operator : SJ/JU
 Sample : J1122-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 02:08:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

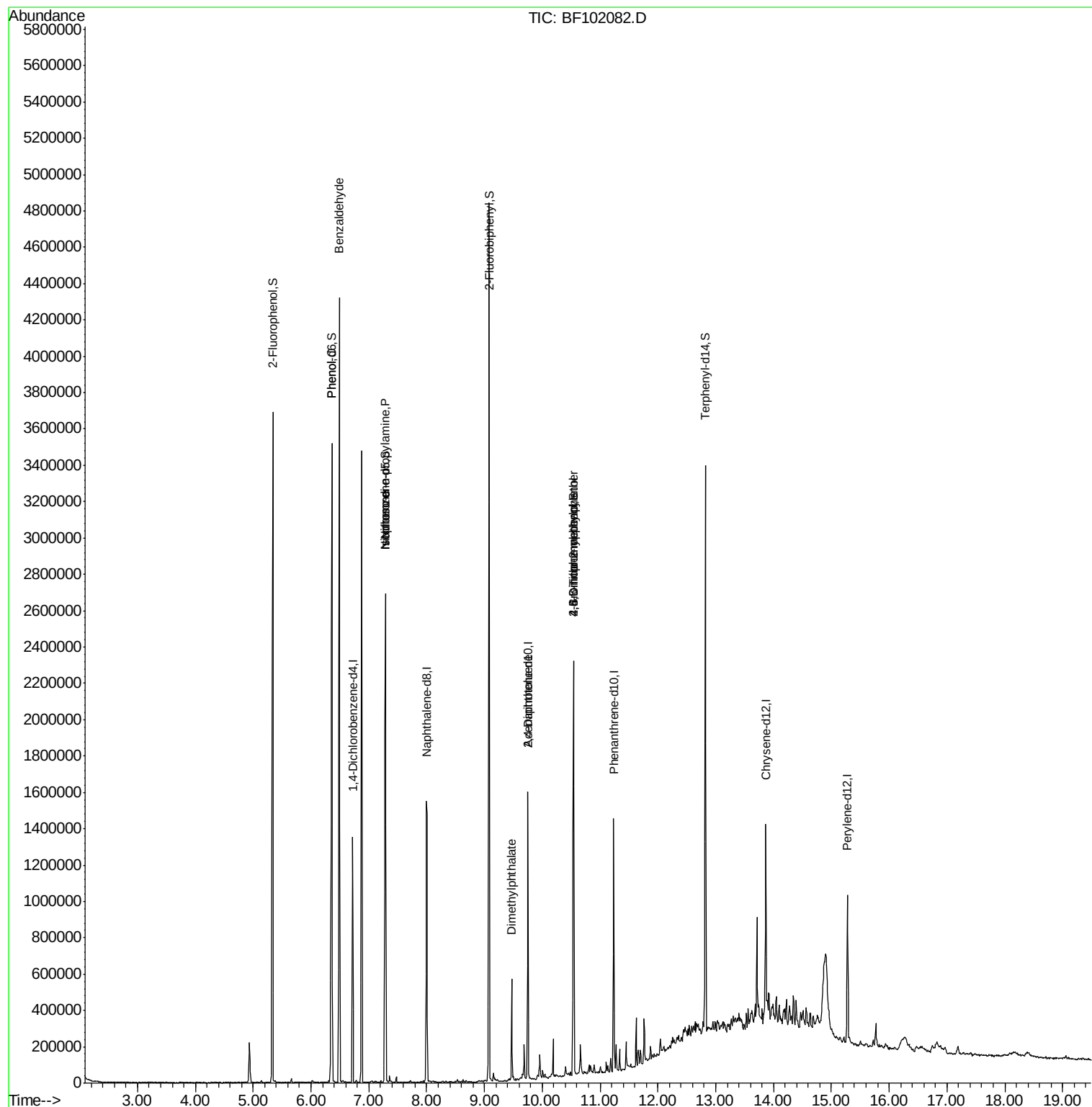
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	188551	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	738945	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	306020	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	433090	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	345058	20.00	ng	-0.02
86) Perylene-d12	15.28	264	347662	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1213107	90.85	ng	0.01
7) Phenol-d6	6.36	99	1448646	90.93	ng	0.00
23) Nitrobenzene-d5	7.29	82	911740	72.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	255461	95.66	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1540809	78.66	ng	-0.01
78) Terphenyl-d14	12.82	244	1072938	64.56	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	26848	2.427	ng	80
10) Phenol	6.37	94	42472	2.359	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	120692	11.560	ng	# 81
25) Isophorone	7.29	82	911729	36.694	ng	# 64
49) Dimethylphthalate	9.47	163	202955	8.267	ng	99
56) 2,4-Dinitrotoluene	9.75	165	38679	6.293	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	591	5.884	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	16861	3.687	ng	# 1

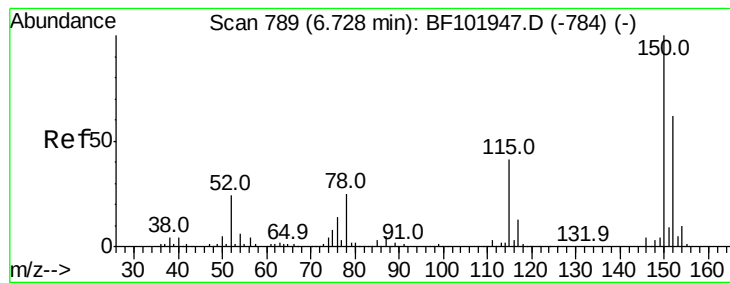
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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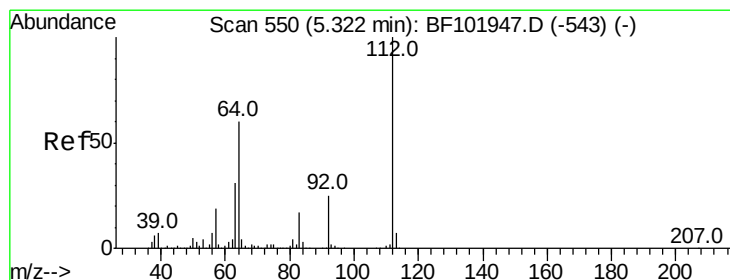
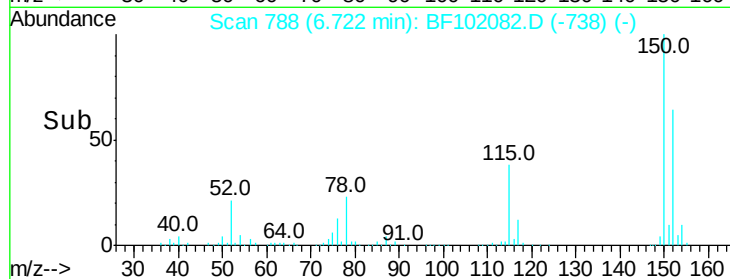
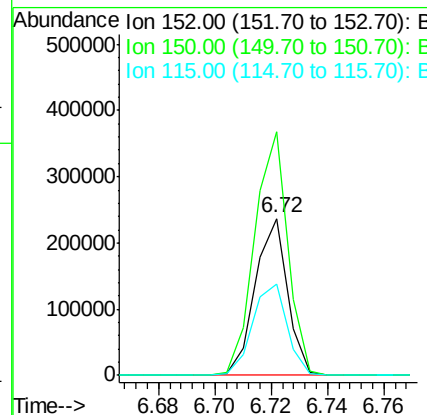
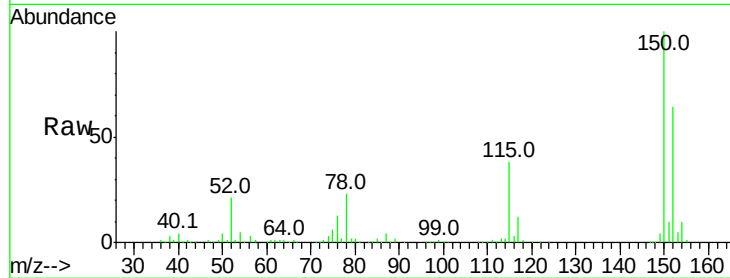


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Instrument :
BNA_F
ClientSampleId :

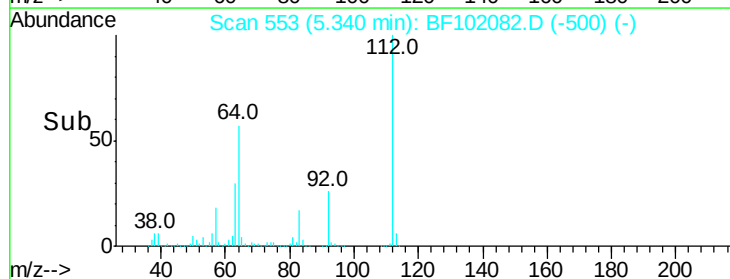
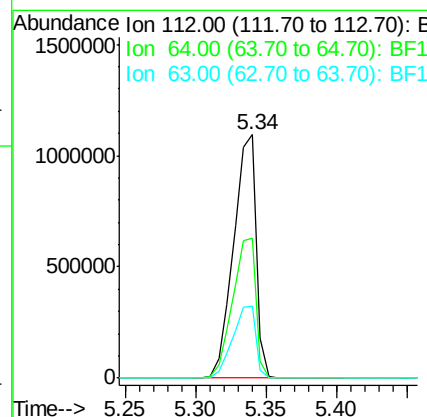
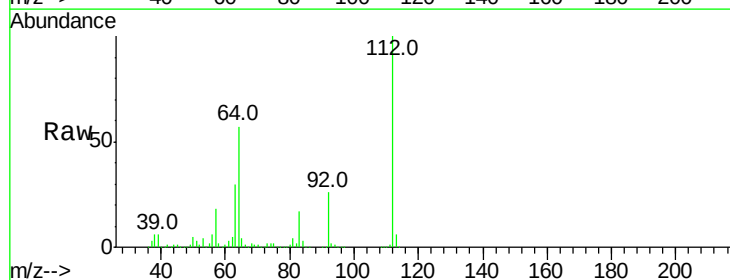
Tot Ion:152 Resp: 188551
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 58.4 50.1 75.1

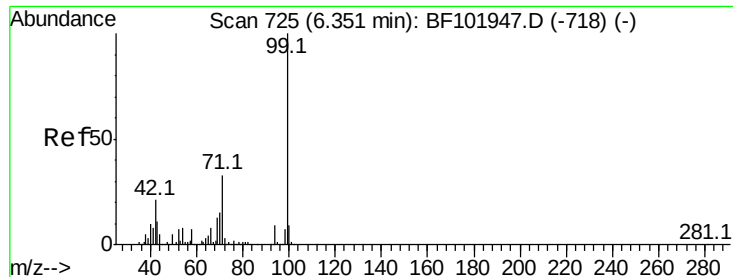


#5

2-Fluorophenol
Concen: 90.851 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Tgt Ion:112 Resp: 1213107
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 29.7 23.7 35.5





#7

Phenol-d6

Concen: 90.932 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampleId :

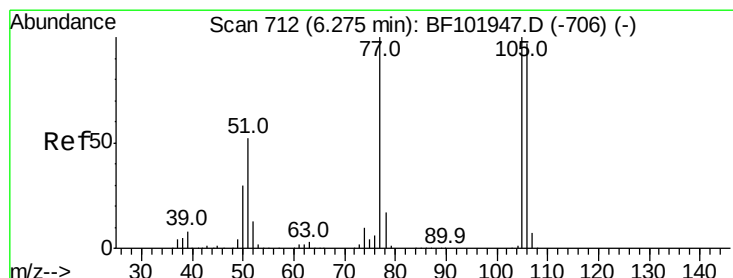
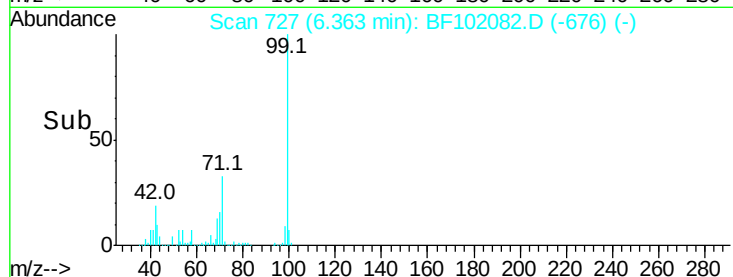
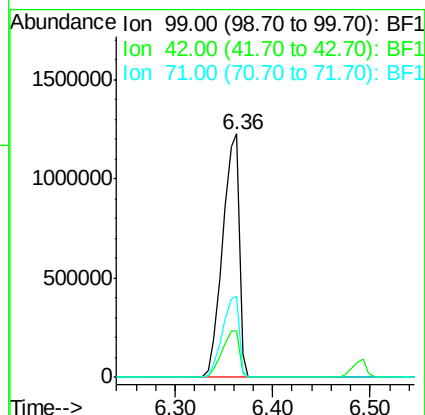
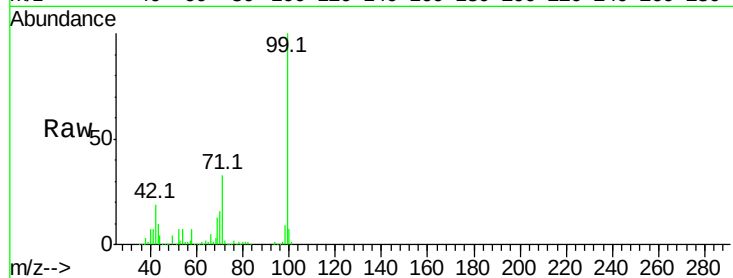
Tot Ion: 99 Resp: 1448646

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 33.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.427 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

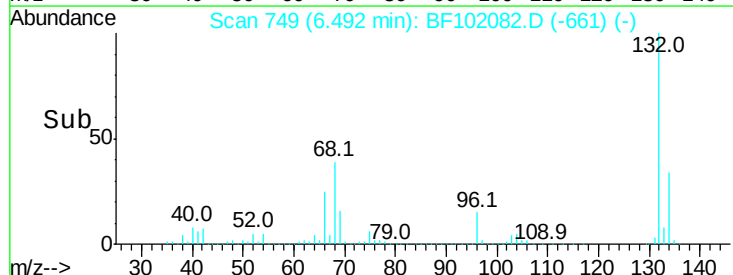
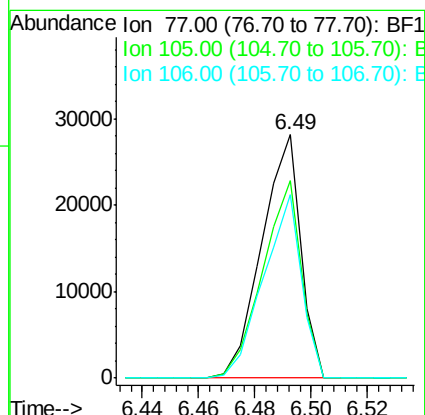
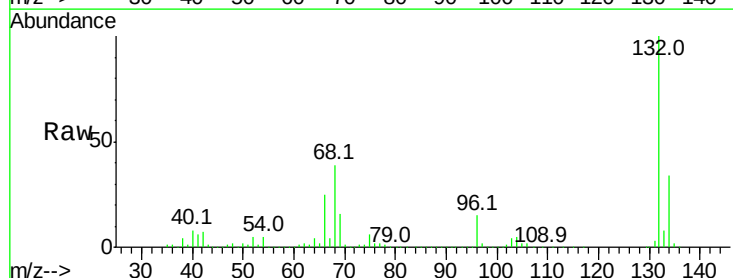
Tgt Ion: 77 Resp: 26848

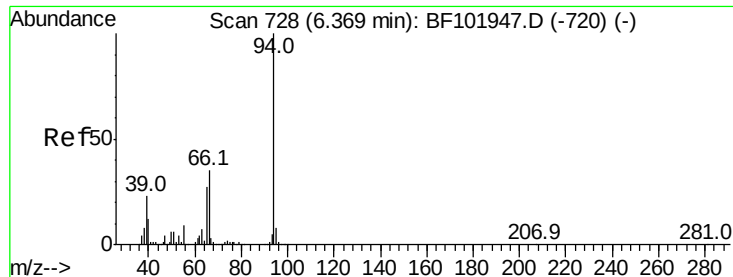
Ion Ratio Lower Upper

77 100

105 81.2 81.1 121.1

106 75.3 74.5 114.5





#10

Phenol

Concen: 2.359 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampled :

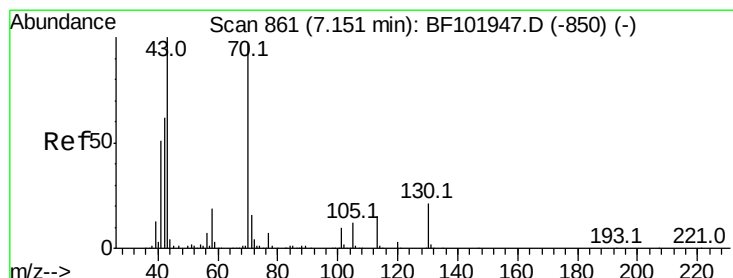
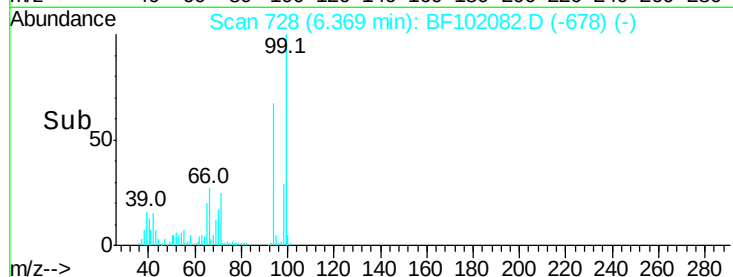
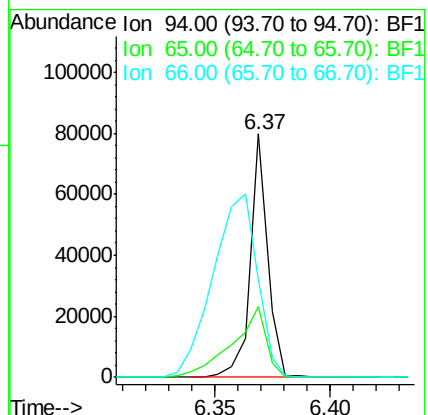
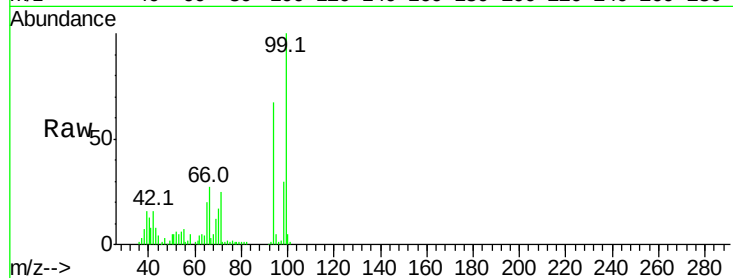
Tot Ion: 94 Resp: 42472

Ion Ratio Lower Upper

94 100

65 29.0 7.9 47.9

66 40.0 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.560 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Tgt Ion: 70 Resp: 120692

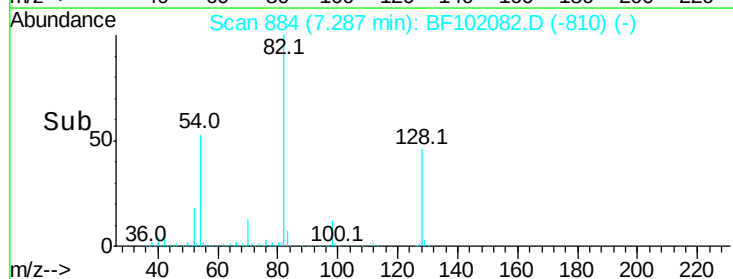
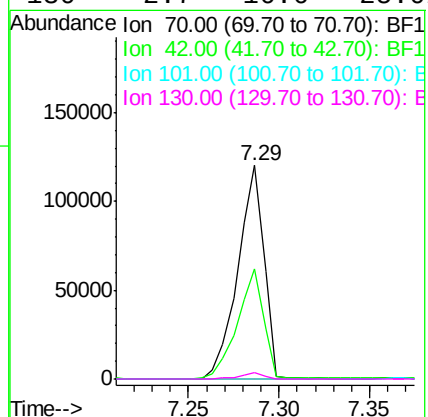
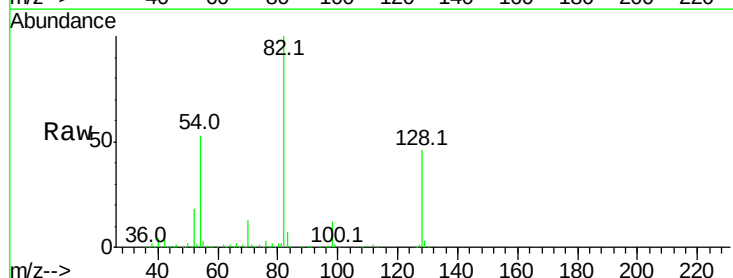
Ion Ratio Lower Upper

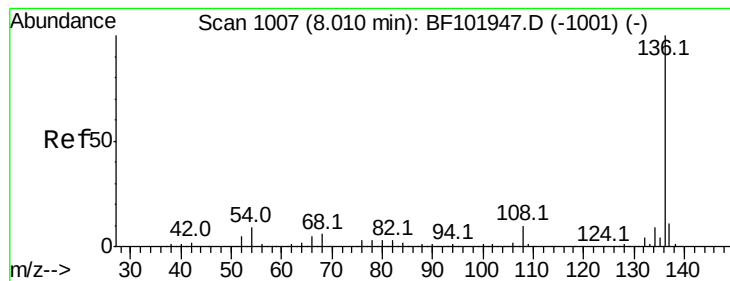
70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 738945

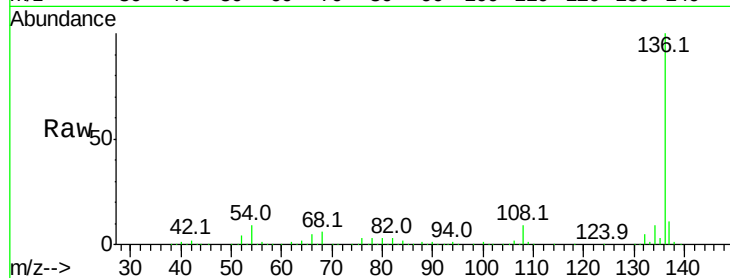
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.6 6.6 9.8

68 5.9 5.0 7.4

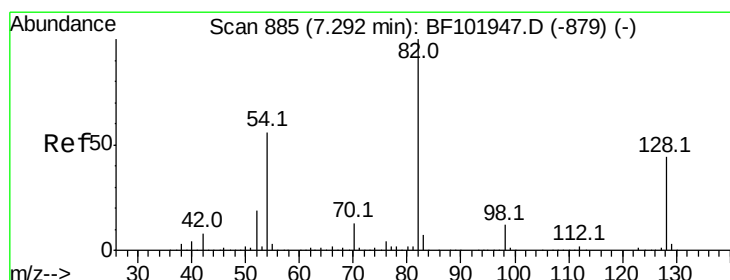
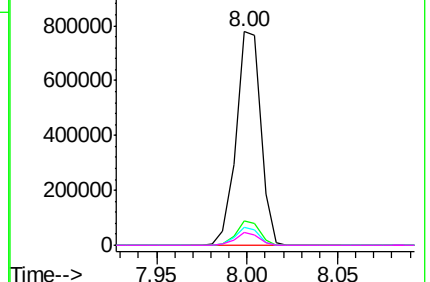
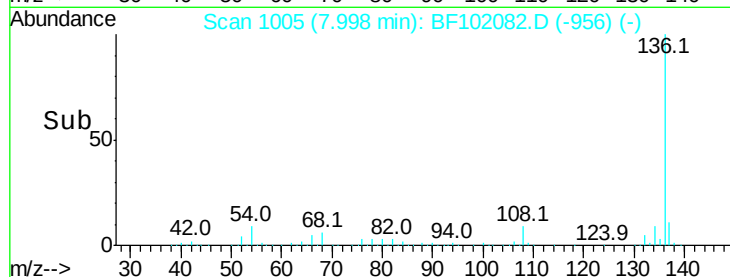


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.505 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

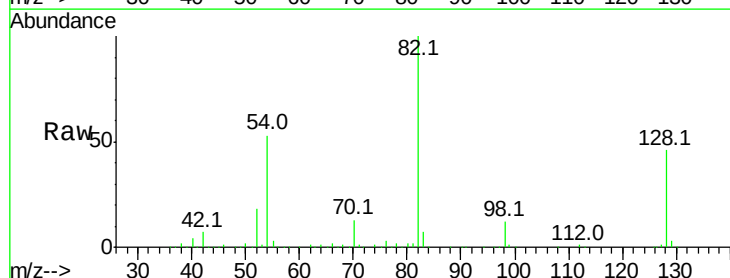
Tgt Ion: 82 Resp: 911740

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

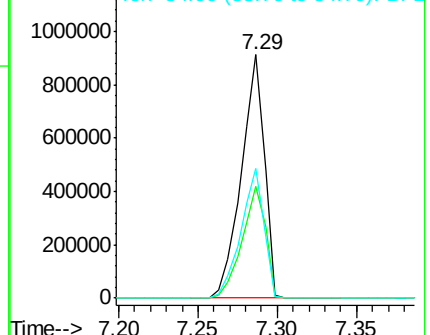
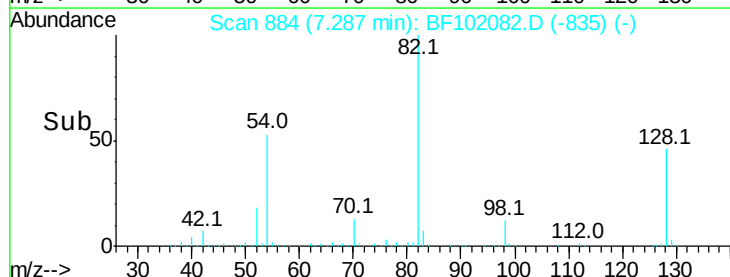
54 53.5 41.4 62.2

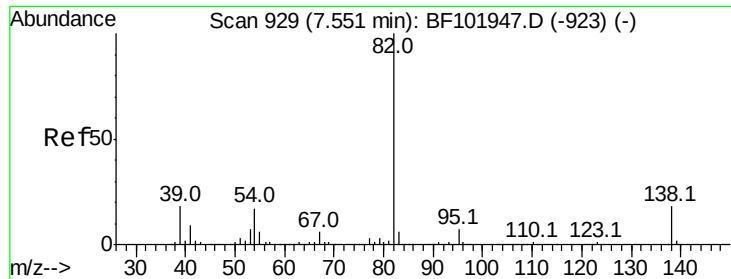


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.694 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampleId :

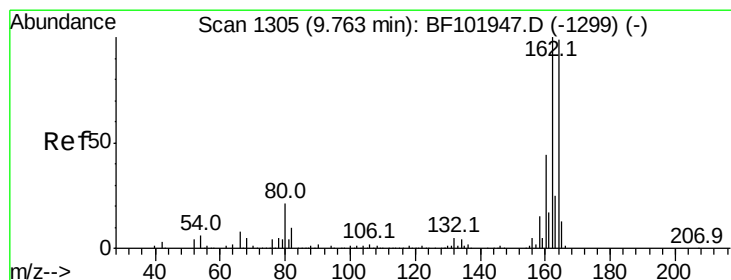
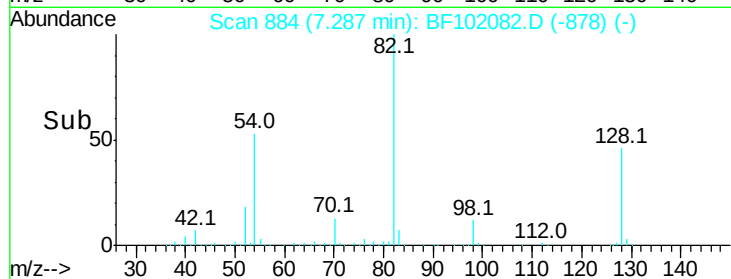
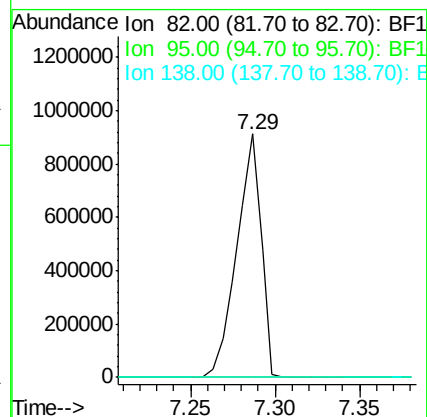
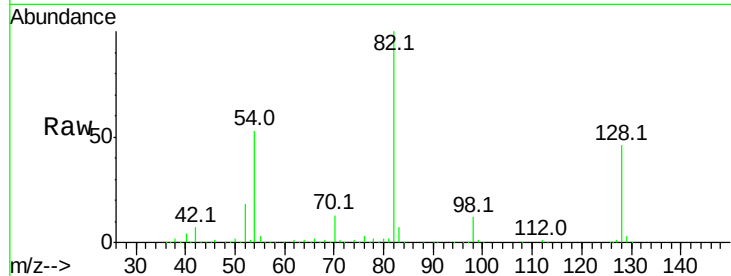
Tot Ion: 82 Resp: 911729

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

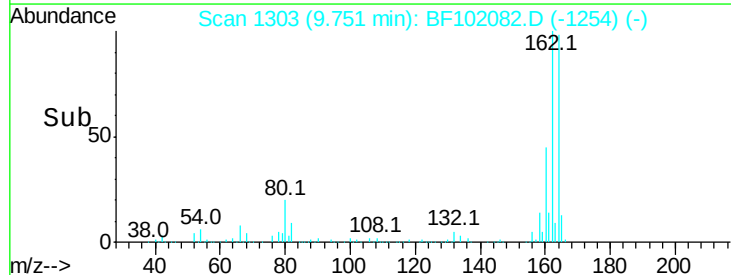
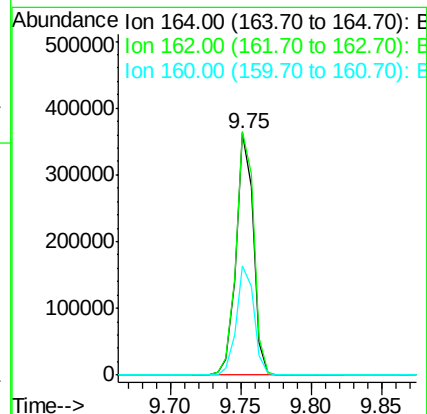
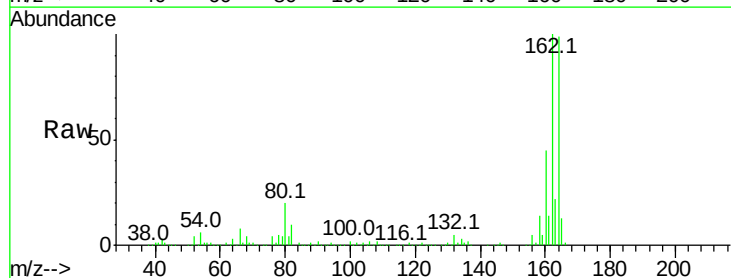
Tgt Ion:164 Resp: 306020

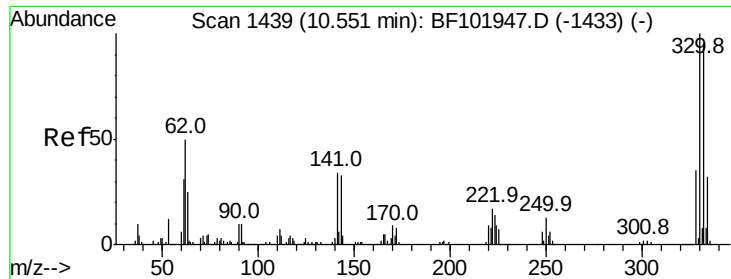
Ion Ratio Lower Upper

164 100

162 100.7 86.1 129.1

160 45.0 38.3 57.5

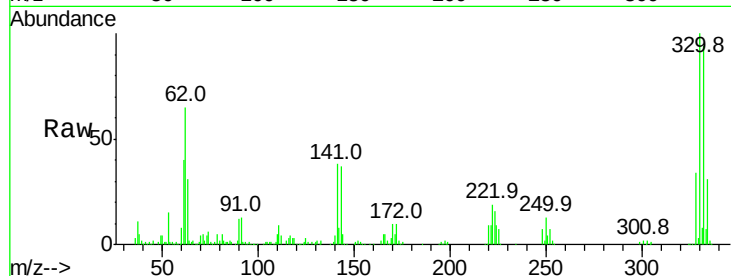




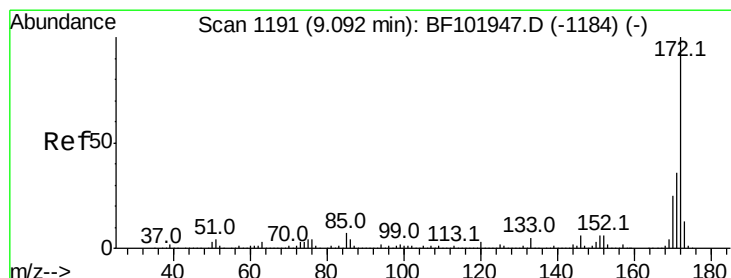
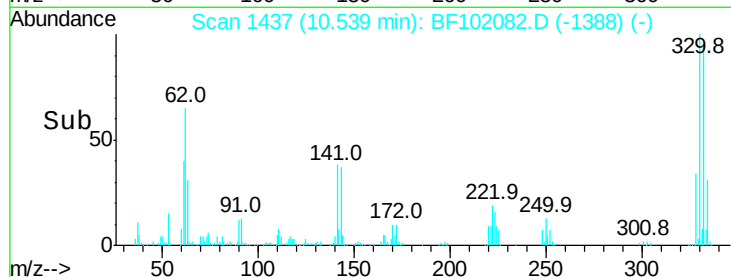
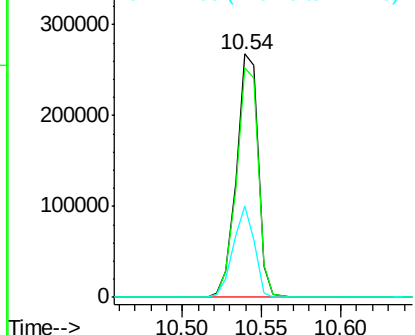
#41
 2,4,6-Tribromophenol
 Concen: 95.657 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102082.D
 Acq: 16 Jan 2018 00:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	36.9	29.9	44.9

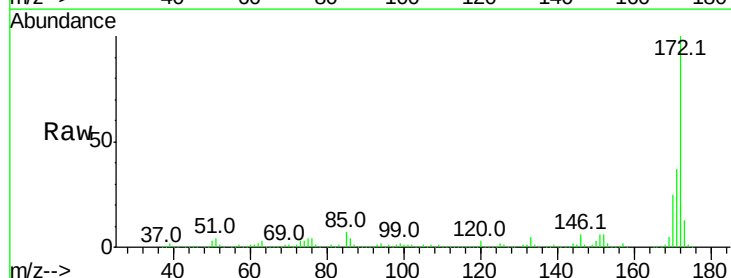


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

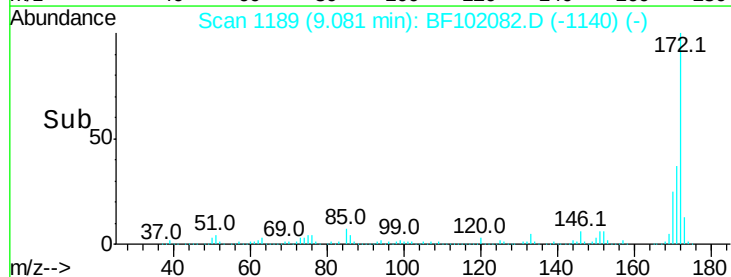
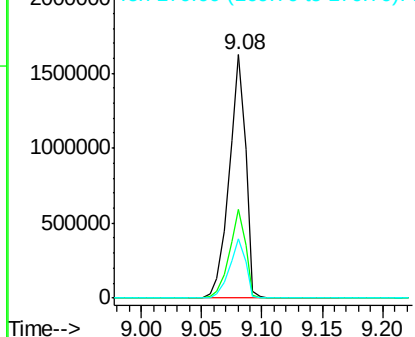


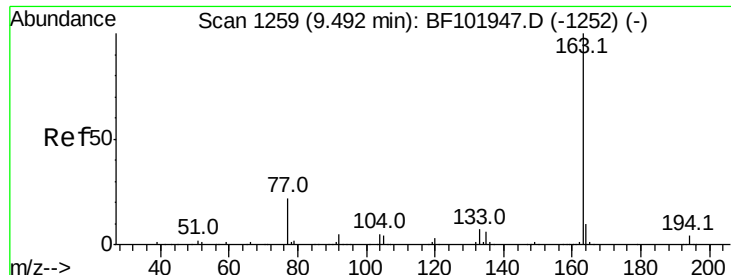
#44
 2-Fluorobiphenyl
 Concen: 78.660 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102082.D
 Acq: 16 Jan 2018 00:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.6	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: 8.267 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampleId :

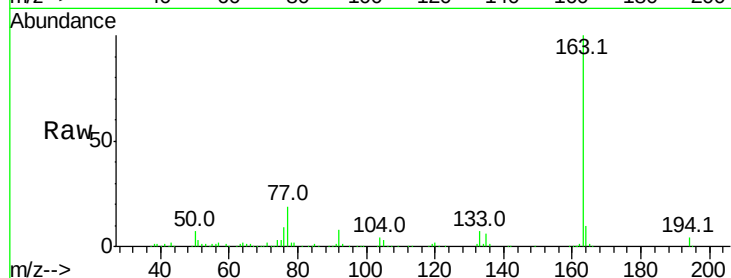
Tot Ion:163 Resp: 202955

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

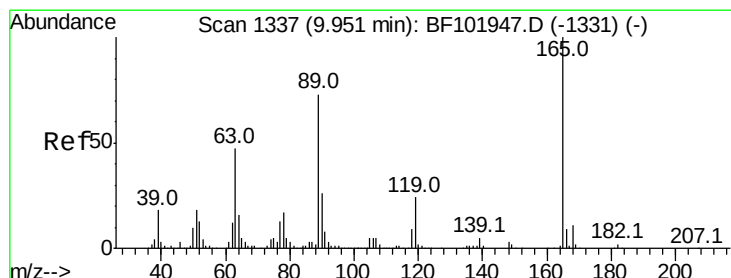
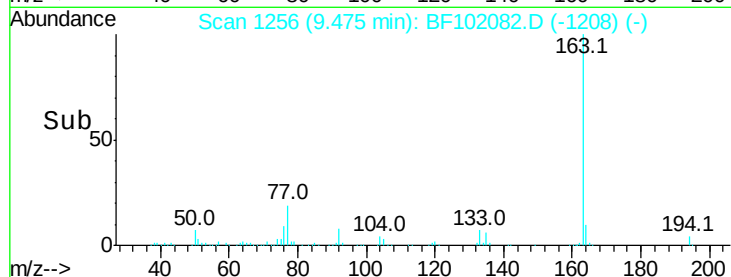
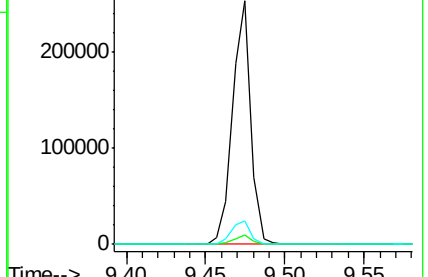
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.293 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Tgt Ion:165 Resp: 38679

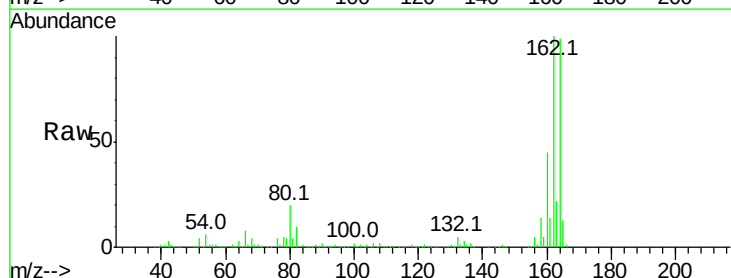
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

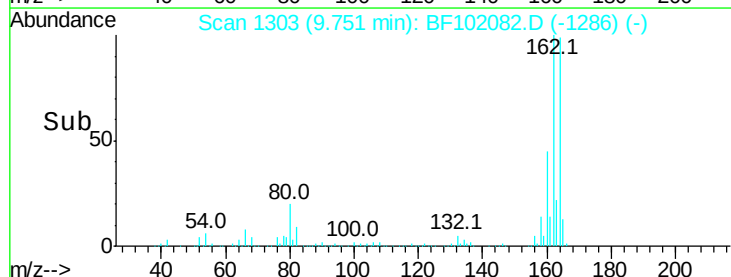
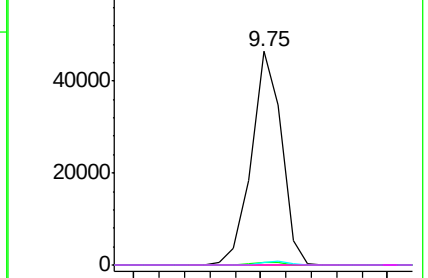


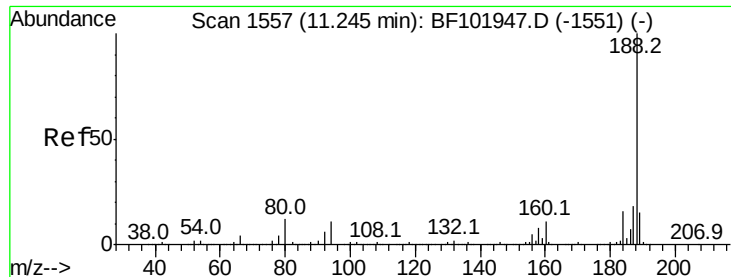
Abundance Ion 165.00 (164.70 to 165.70): E

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

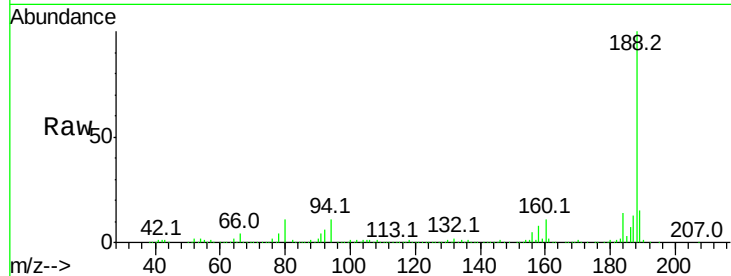




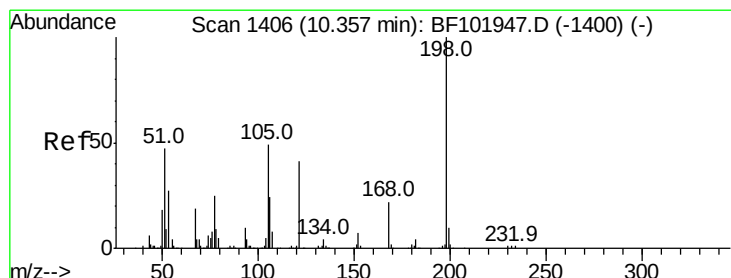
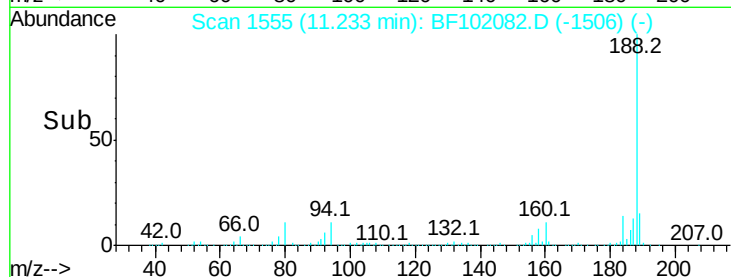
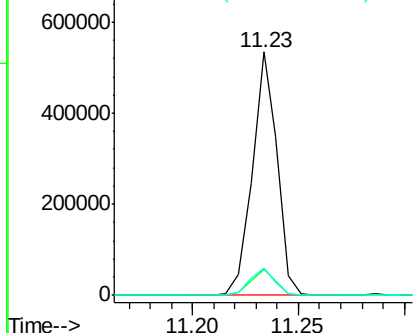
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 433090
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.1 9.2 13.8

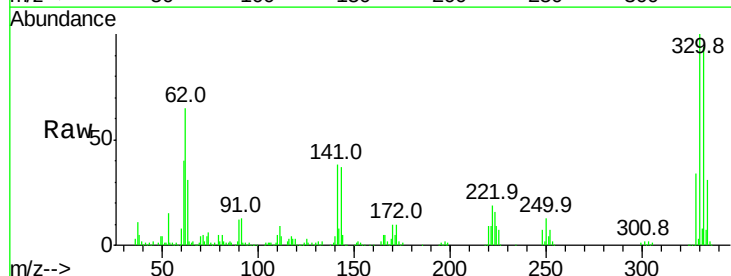


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

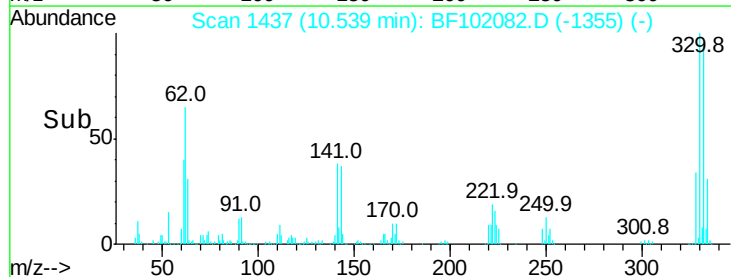
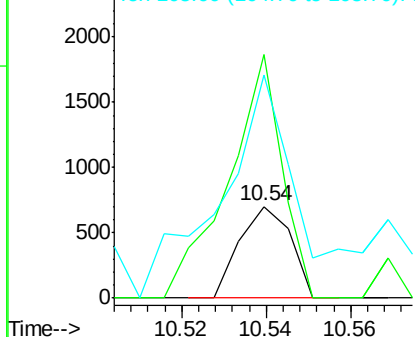


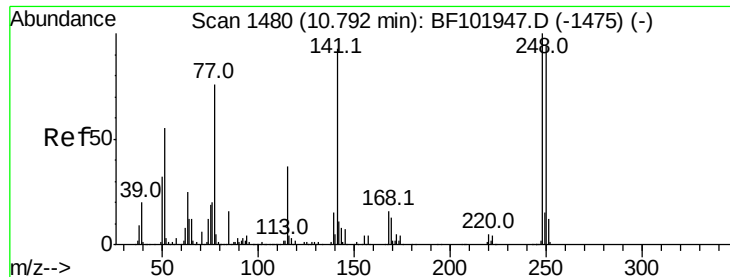
#64
4,6-Dinitro-2-methylphenol
Concen: 5.884 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Tgt Ion:198 Resp: 591
Ion Ratio Lower Upper
198 100
51 265.8 37.7 77.7#
105 243.3 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

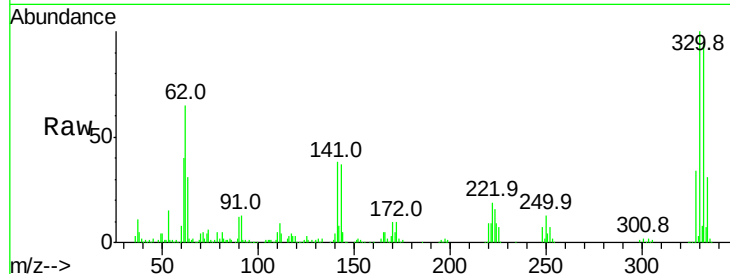




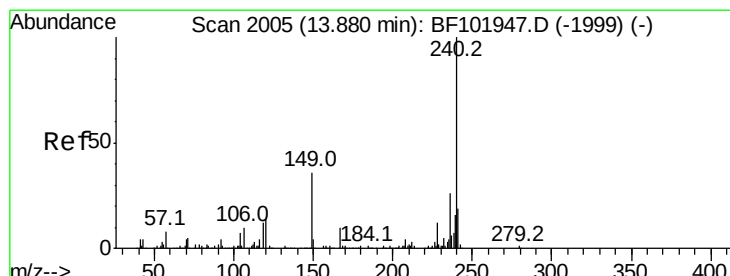
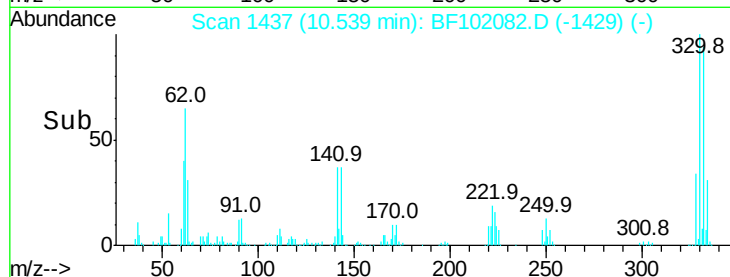
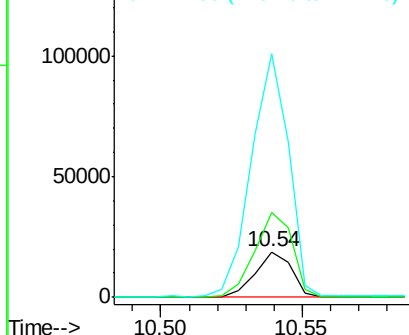
#66
4-Bromophenyl-phenylether
Concen: 3.687 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16861
Ion Ratio Lower Upper
248 100
250 186.8 76.9 115.3#
141 535.1 74.4 111.6#

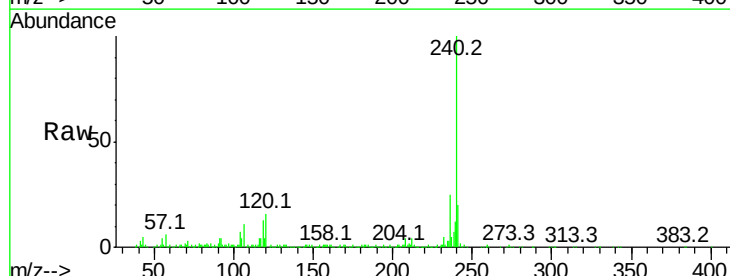


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

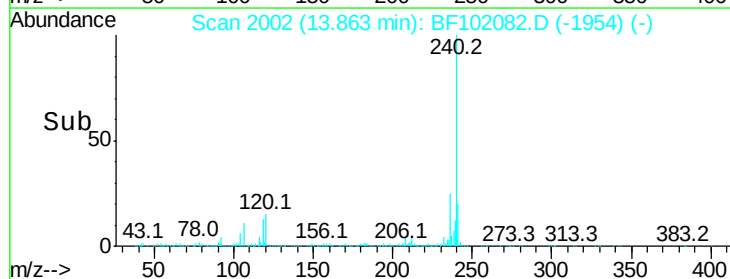
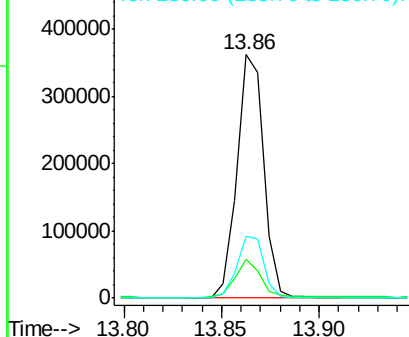


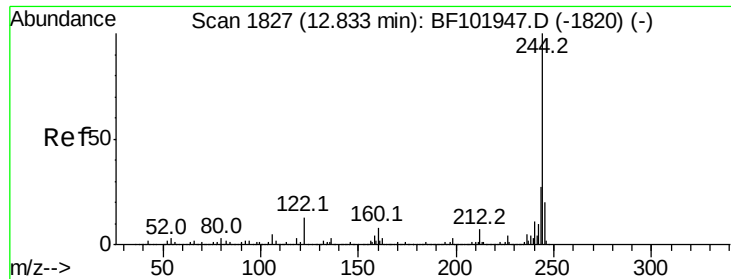
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF102082.D
Acq: 16 Jan 2018 00:00

Tgt Ion:240 Resp: 345058
Ion Ratio Lower Upper
240 100
120 15.7 9.5 14.3#
236 25.3 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: 64.560 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

Instrument :

BNA_F

ClientSampleId :

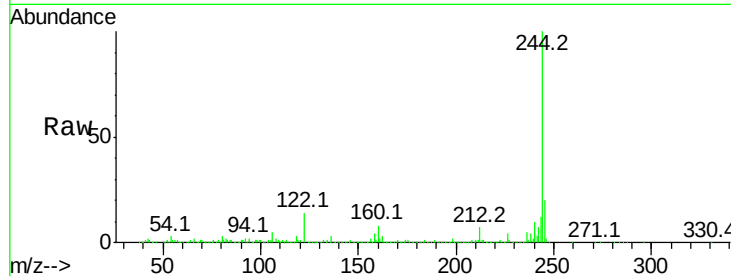
Tot Ion:244 Resp: 1072938

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

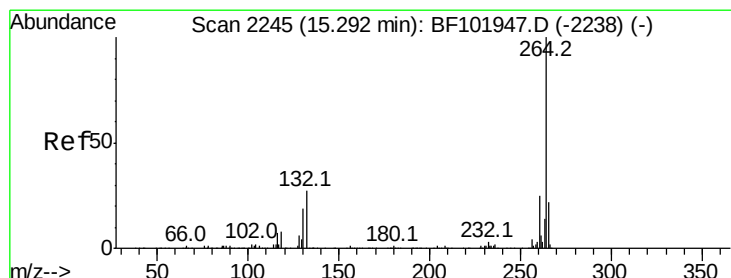
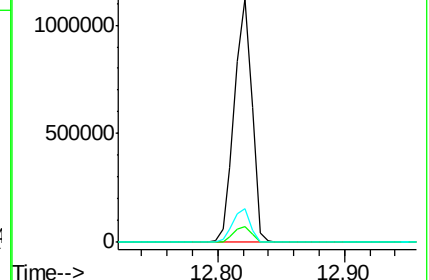
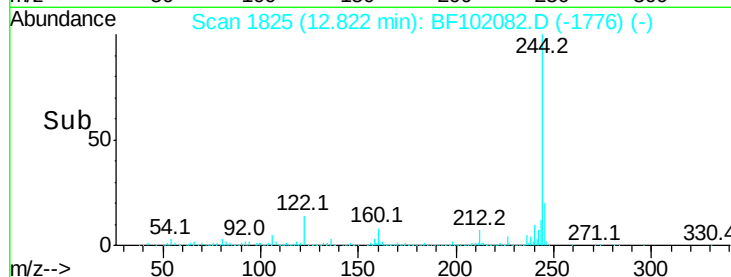
122 13.7 11.0 16.4



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: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102082.D

Acq: 16 Jan 2018 00:00

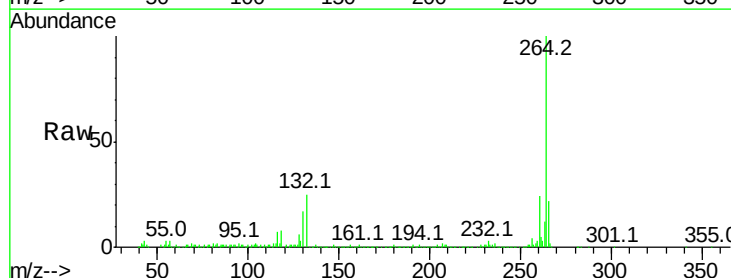
Tgt Ion:264 Resp: 347662

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.3 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

