

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098078.D
 Acq On : 28 Aug 2017 20:51
 Operator : SJ/JU
 Sample : I4923-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB04-GW

Quant Time: Aug 29 07:51:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

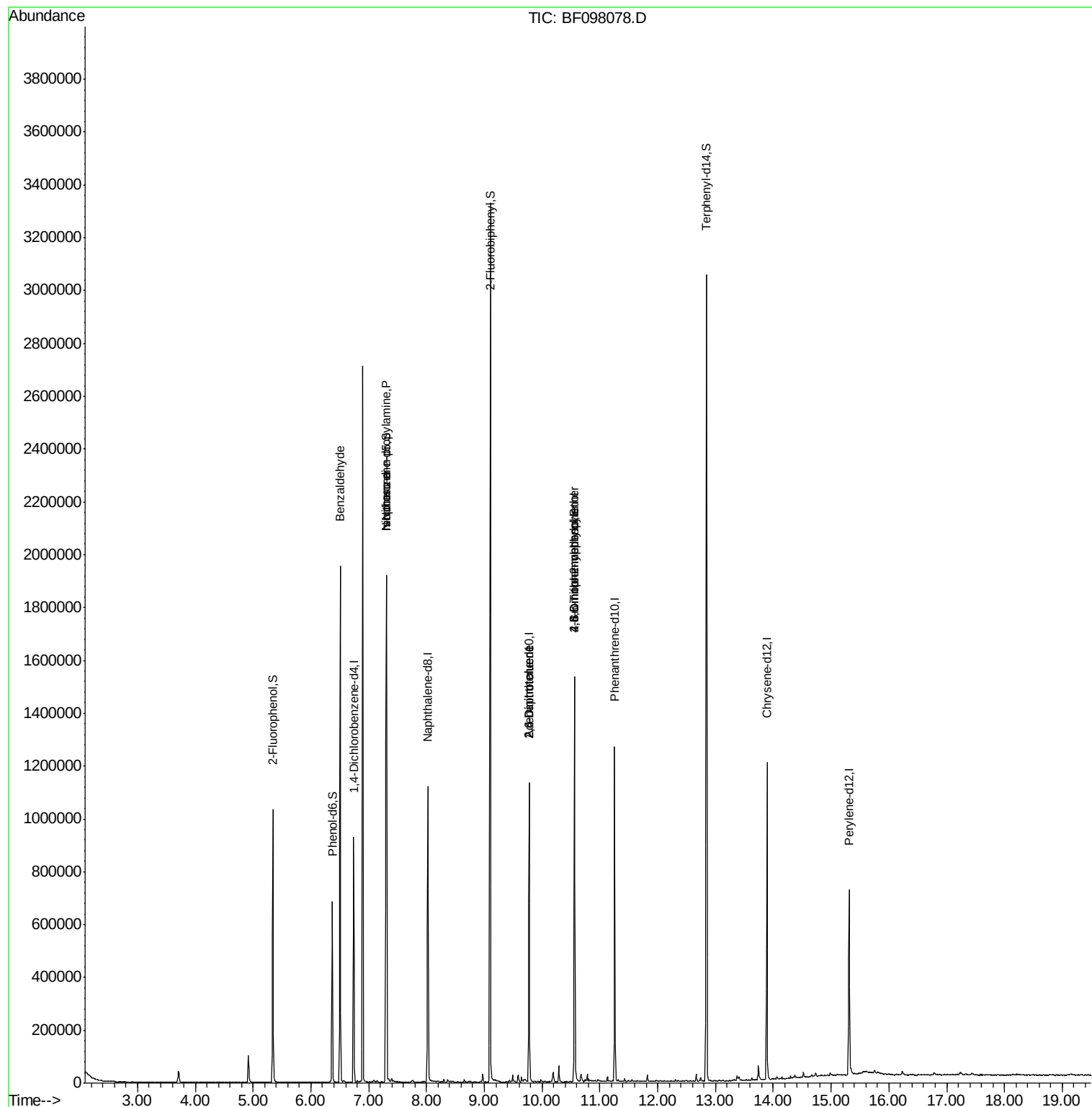
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118839	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	475931	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	212250	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	427277	20.00	ng	0.00
75) Chrysene-d12	13.89	240	390208	20.00	ng	0.00
86) Perylene-d12	15.32	264	327885	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	277679	35.54	ng	-0.01
7) Phenol-d6	6.37	99	221041	20.82	ng	-0.02
23) Nitrobenzene-d5	7.30	82	796000	90.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	172985	93.93	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1166352	80.74	ng	0.00
78) Terphenyl-d14	12.84	244	1092790	58.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	13747	2.045	ng	# 65
19) n-Nitroso-di-n-propylamine	7.30	70	107115	14.740	ng	# 71
25) Isophorone	7.30	82	788134	43.264	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	27090	8.747	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	27090	6.970	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	428	8.496	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	11462	2.583	ng	# 1

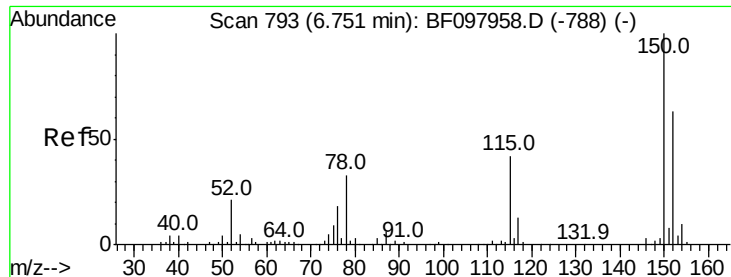
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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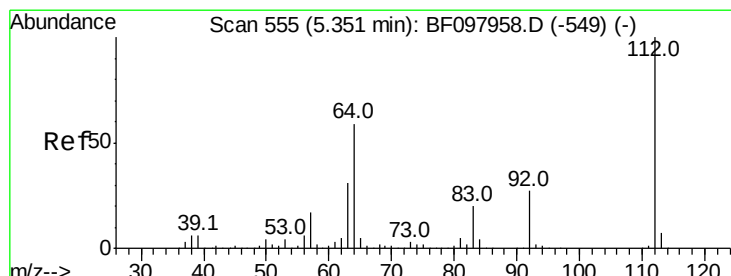
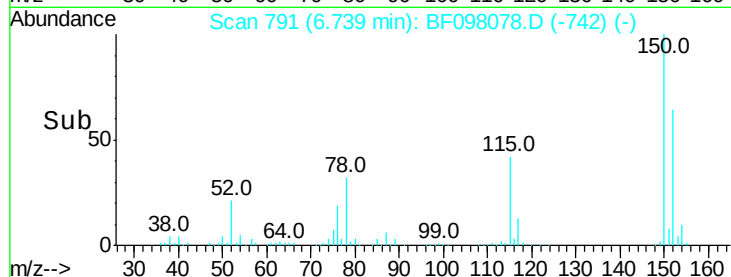
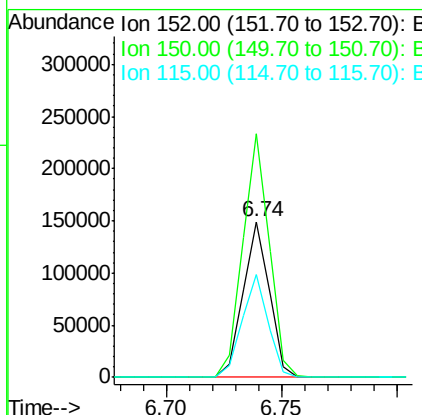
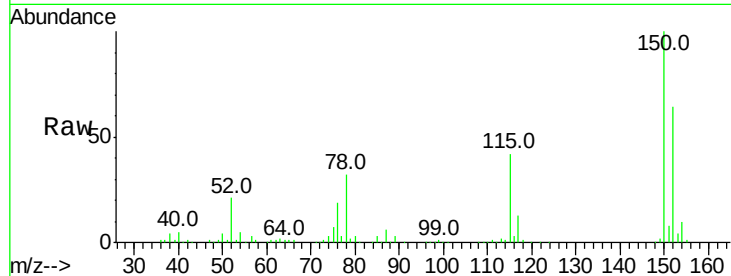


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SB04-GW

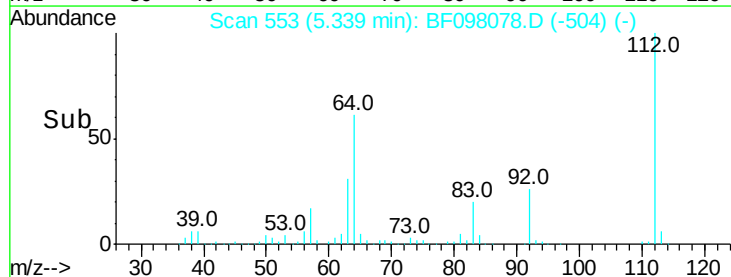
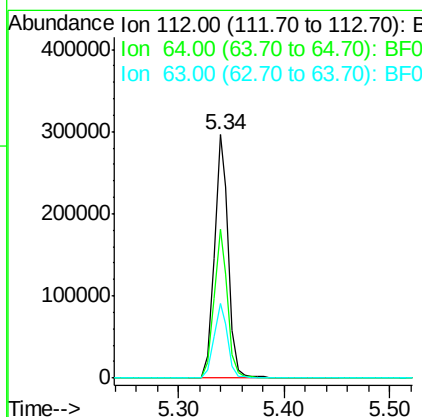
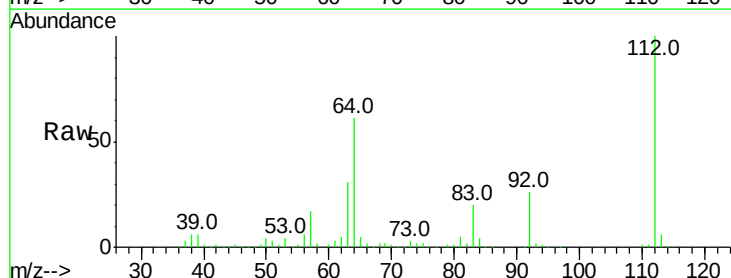
Tot Ion:152 Resp: 118839
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.2 189.2
 115 66.5 52.2 78.2

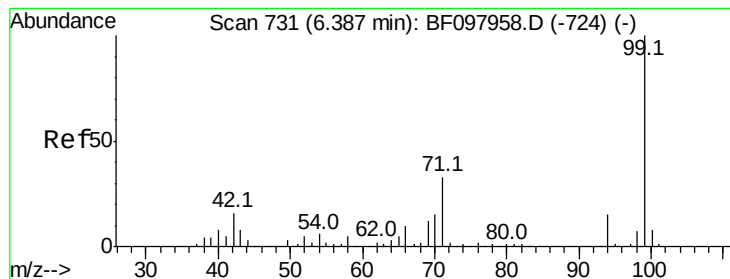


#5

2-Fluorophenol
 Concen: 35.541 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

Tgt Ion:112 Resp: 277679
 Ion Ratio Lower Upper
 112 100
 64 61.2 46.0 69.0
 63 30.8 23.4 35.0





#7

Phenol-d6

Concen: 20.823 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

Instrument :

BNA_F

ClientSampleId :

SB04-GW

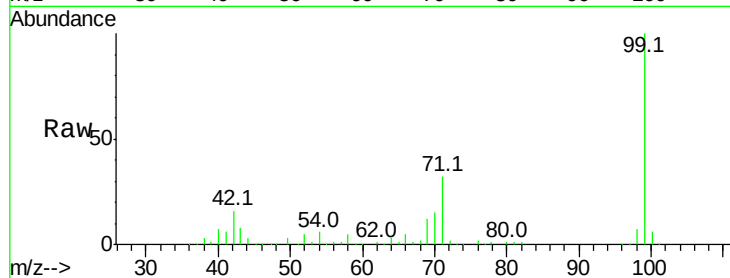
Tot Ion: 99 Resp: 221041

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

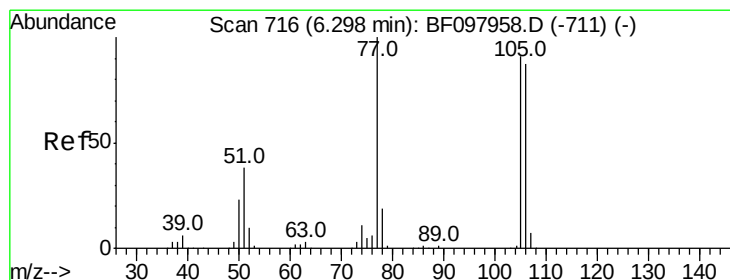
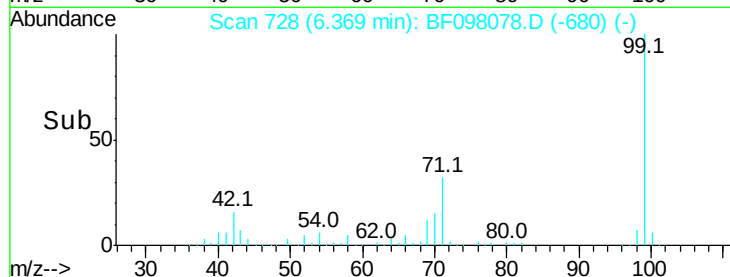
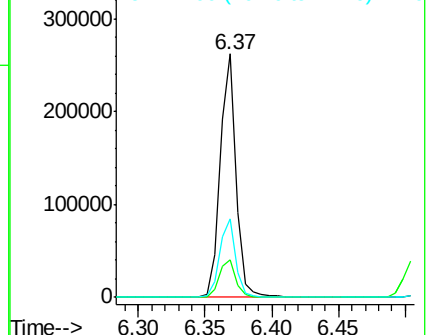
71 32.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.045 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.21 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

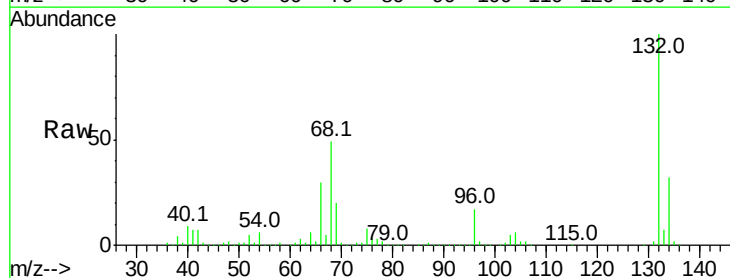
Tgt Ion: 77 Resp: 13747

Ion Ratio Lower Upper

77 100

105 68.6 83.8 123.8#

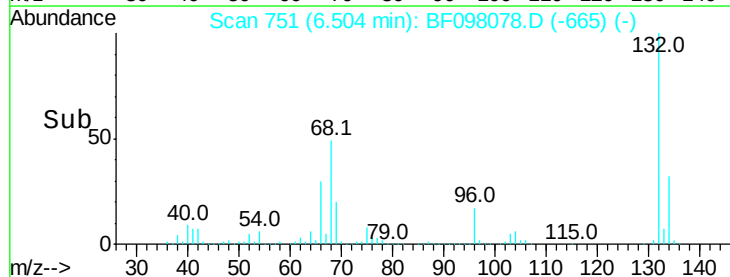
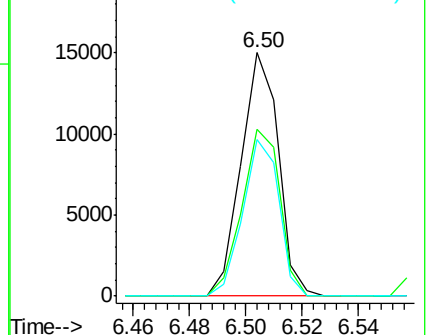
106 64.4 79.1 119.1#

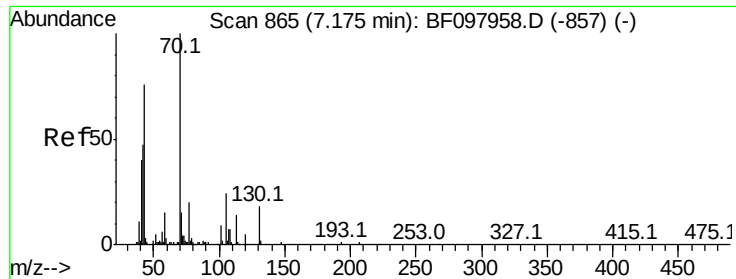


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.740 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

Instrument :

BNA_F

ClientSampleId :

SB04-GW

Tot Ion: 70 Resp: 107115

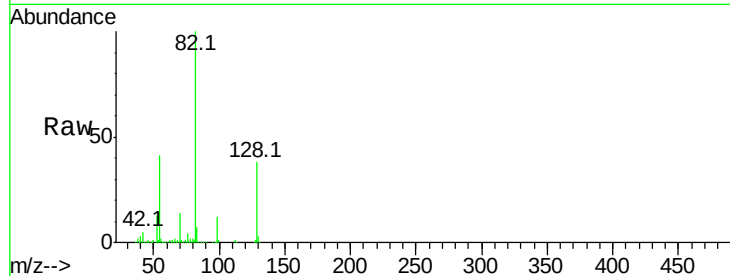
Ion Ratio Lower Upper

70 100

42 38.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

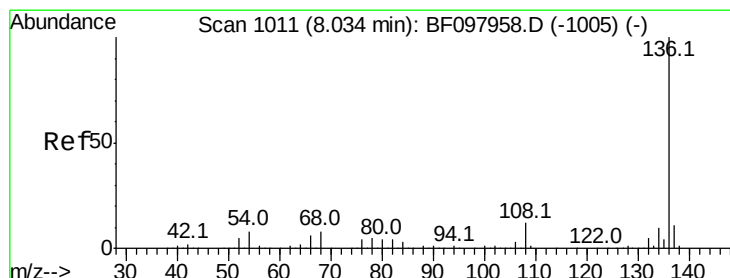
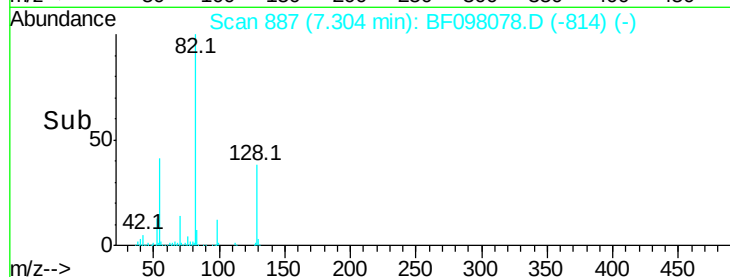
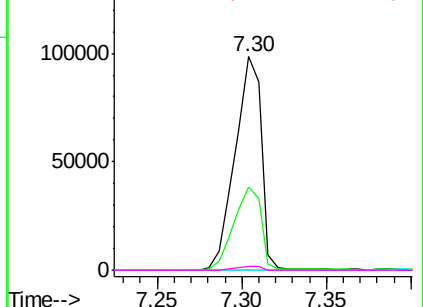


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

Tgt Ion: 136 Resp: 475931

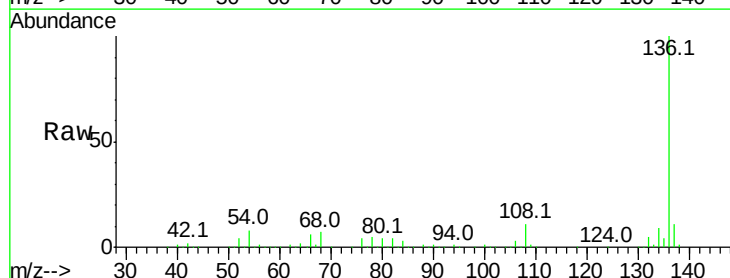
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.6 4.9 7.3#

68 6.9 4.1 6.1#

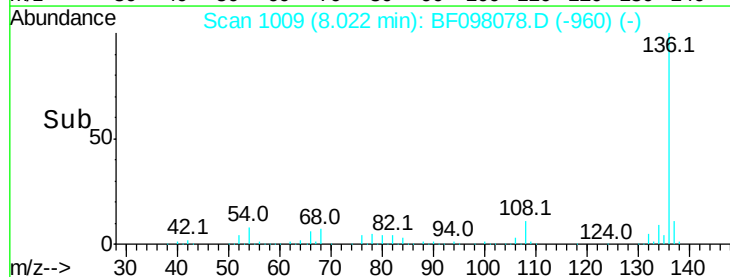
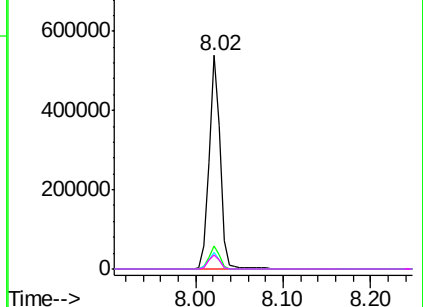


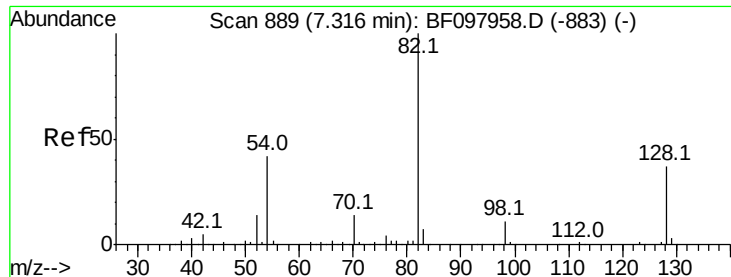
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

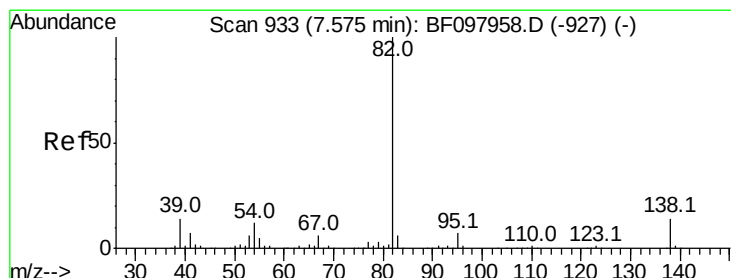
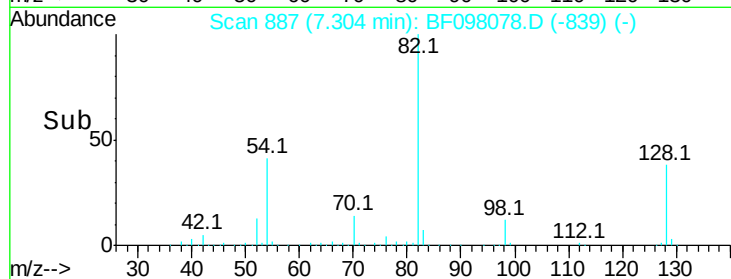
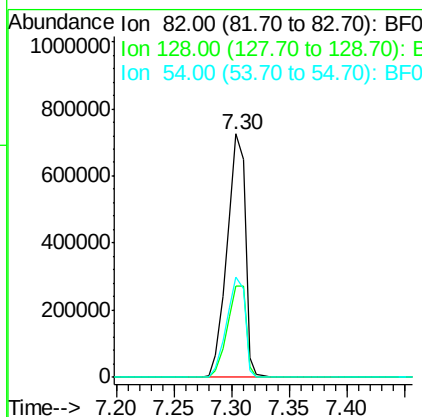
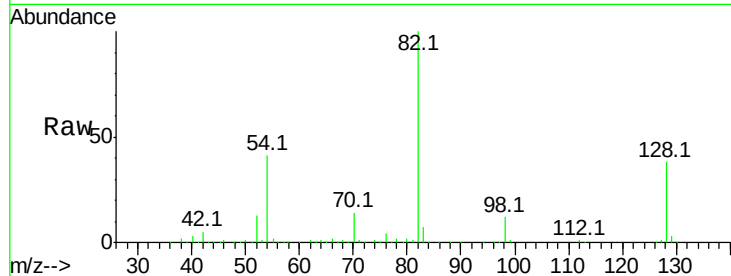




#23
 Nitrobenzene-d5
 Concen: 90.858 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

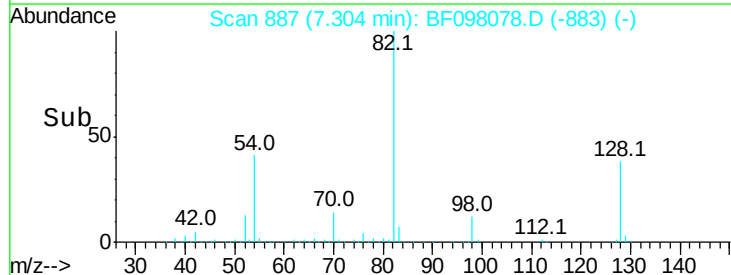
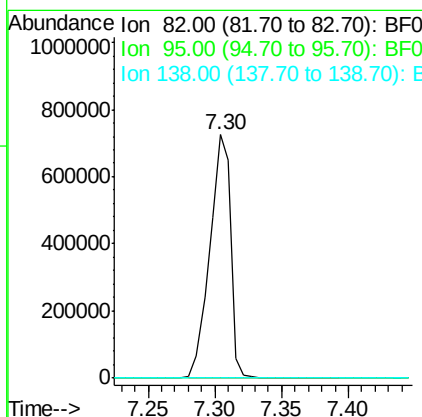
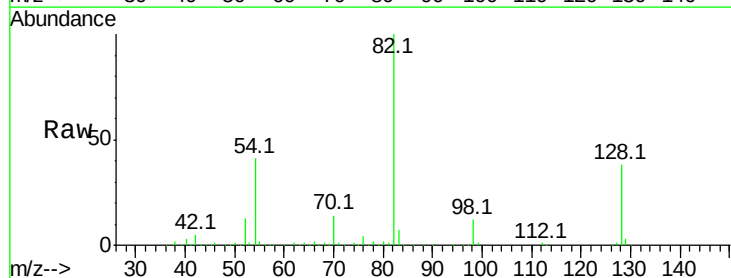
Instrument :
 BNA_F
 ClientSampled :
 SB04-GW

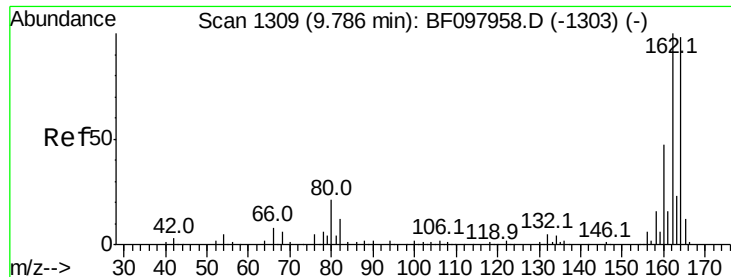
Tot Ion	82	Resp	796000
Ion Ratio	100	Lower	Upper
128	37.5	34.0	51.0
54	41.4	42.2	63.2#



#25
 Isophorone
 Concen: 43.264 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

Tgt Ion	82	Resp	788134
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

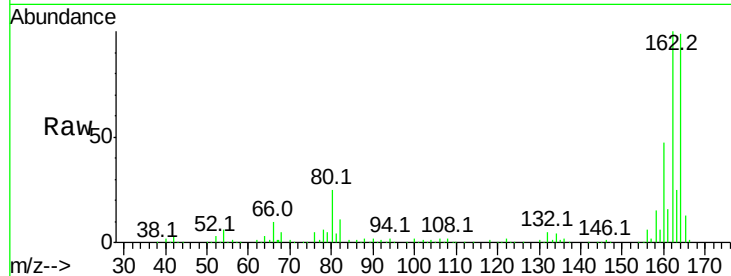




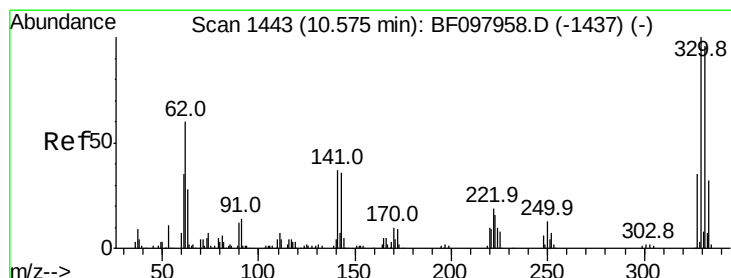
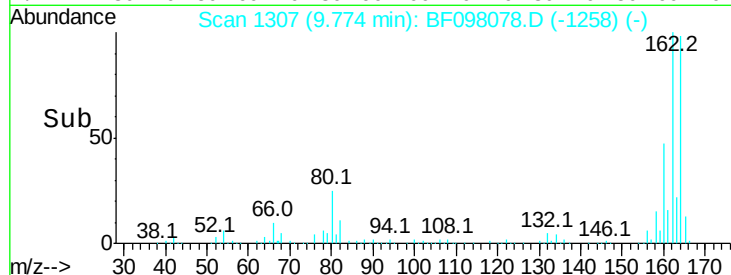
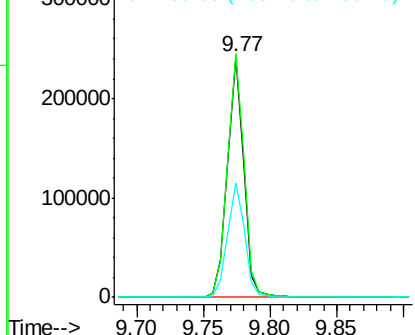
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098078.D
Acq: 28 Aug 2017 20:51

Instrument :
BNA_F
ClientSampleId :
SB04-GW

Tot Ion:164 Resp: 212250
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 47.7 36.2 54.2

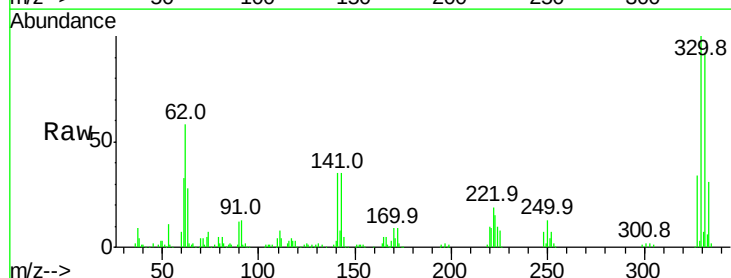


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

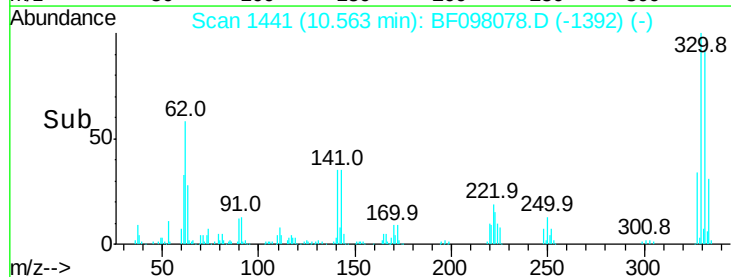
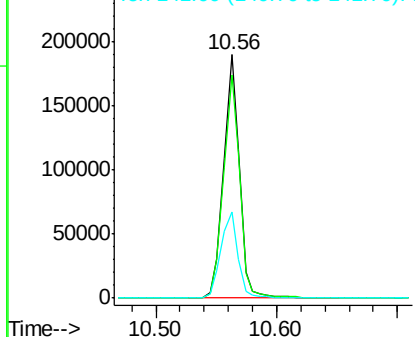


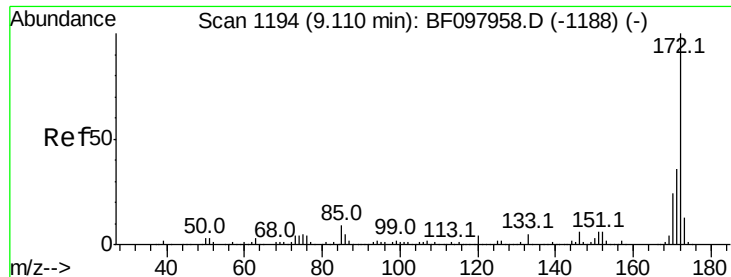
#41
2,4,6-Tribromophenol
Concen: 93.931 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098078.D
Acq: 28 Aug 2017 20:51

Tgt Ion:330 Resp: 172985
Ion Ratio Lower Upper
330 100
332 94.3 76.6 115.0
141 38.6 31.4 47.2



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



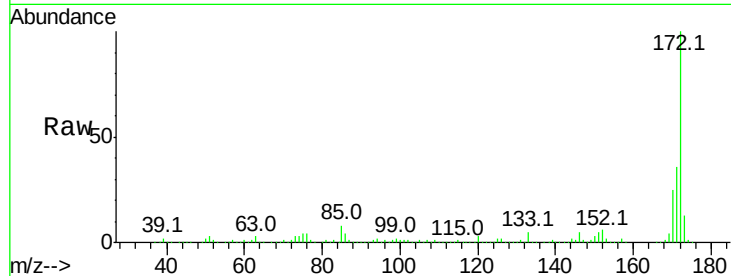


#44
 2-Fluorobiphenyl
 Concen: 80.735 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

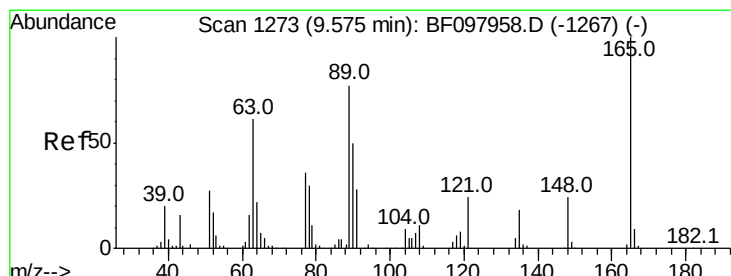
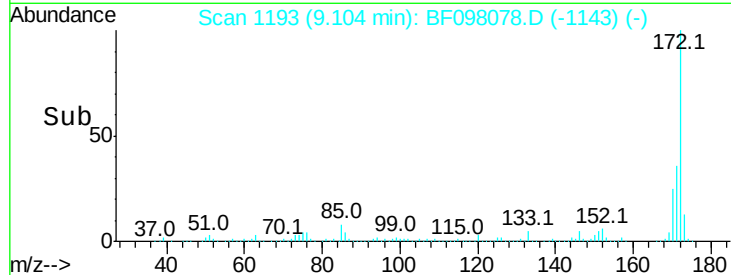
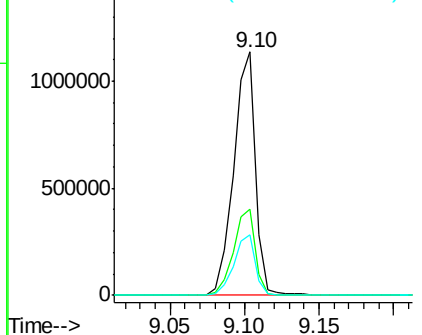
Instrument :
 BNA_F
 ClientSampleId :
 SB04-GW

Tot Ion:172 Resp: 1166352

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.8	19.8	29.8



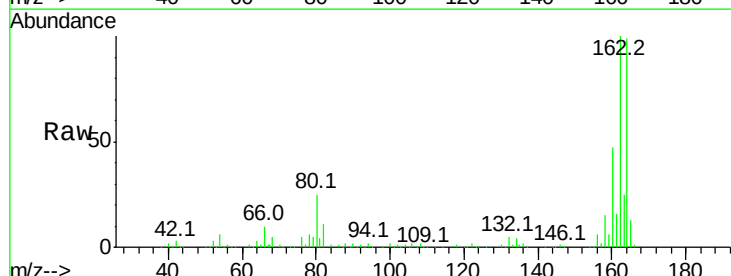
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



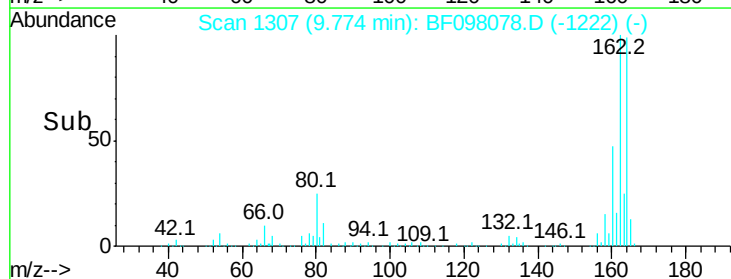
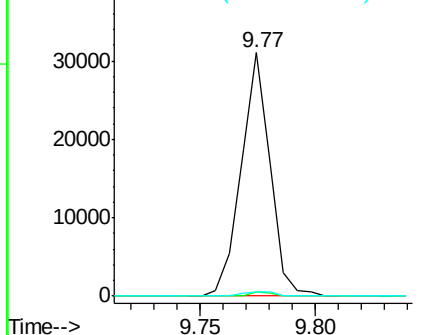
#50
 2,6-Dinitrotoluene
 Concen: 8.747 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.20 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

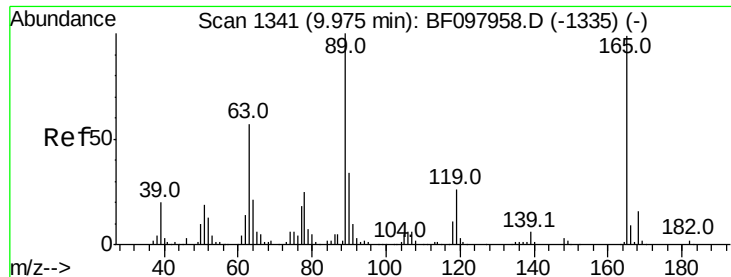
Tgt Ion:165 Resp: 27090

Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.7	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.970 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

Instrument :

BNA_F

ClientSampleId :

SB04-GW

Tot Ion:165 Resp: 27090

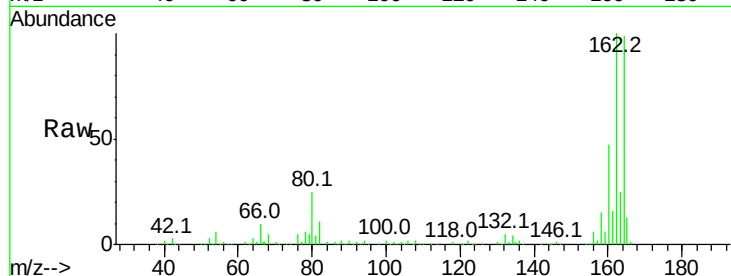
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

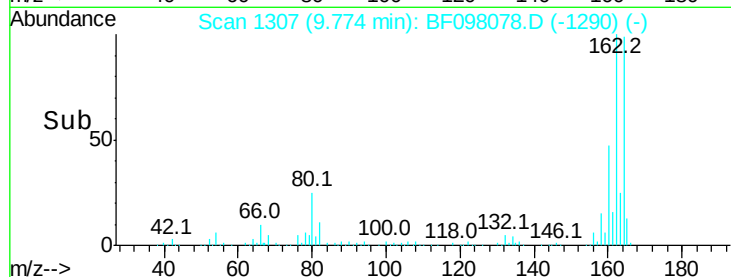


Abundance Ion 165.00 (164.70 to 165.70): E

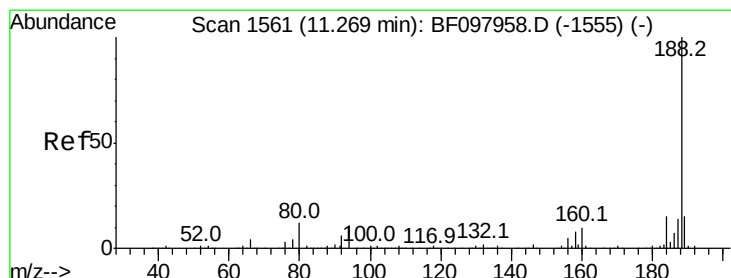
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

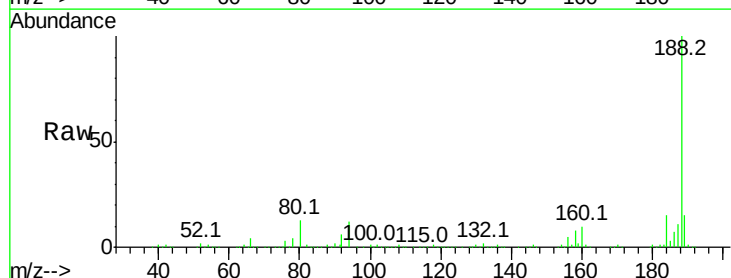
Tgt Ion:188 Resp: 427277

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

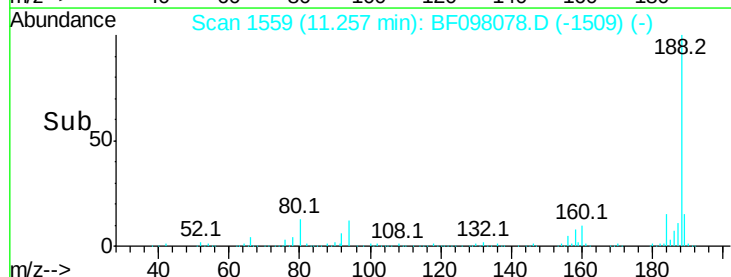
80 12.5 10.2 15.2



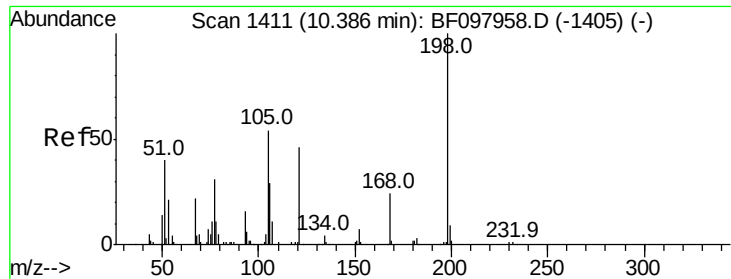
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



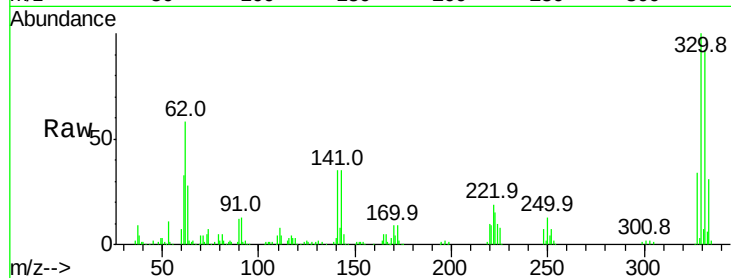
Time-->



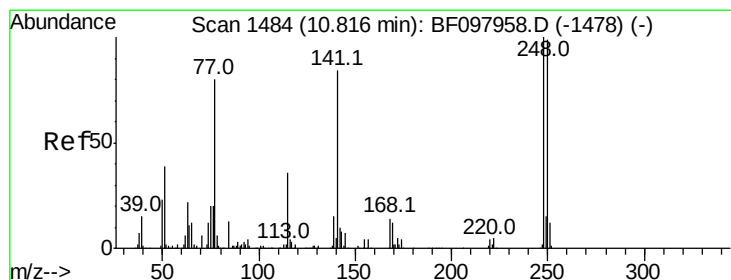
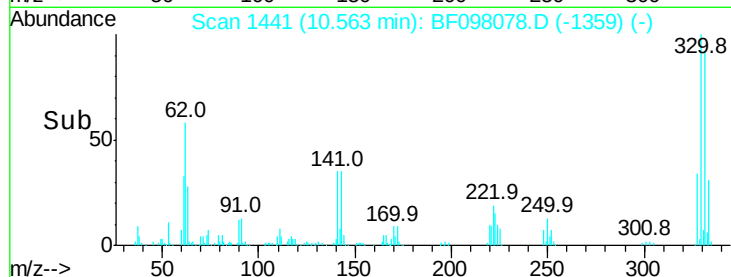
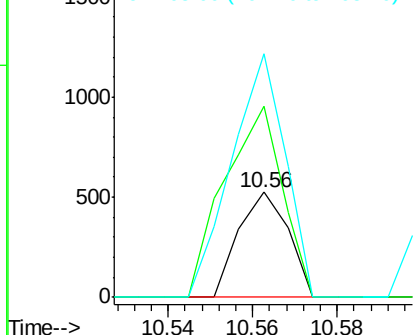
#64
4,6-Dinitro-2-methylphenol
Concen: 8.496 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.18 min
Lab File: BF098078.D
Acq: 28 Aug 2017 20:51

Instrument :
BNA_F
ClientSampleId :
SB04-GW

Tot Ion:198 Resp: 428
Ion Ratio Lower Upper
198 100
51 181.9 53.2 93.2#
105 231.2 45.8 85.8#

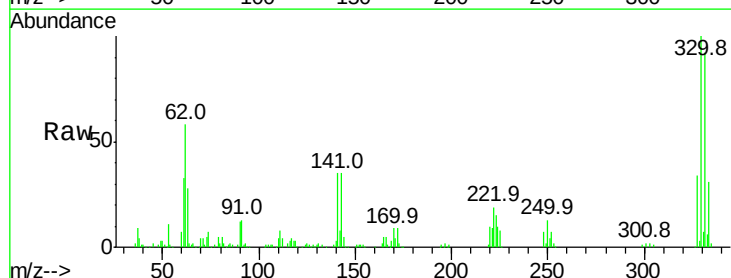


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

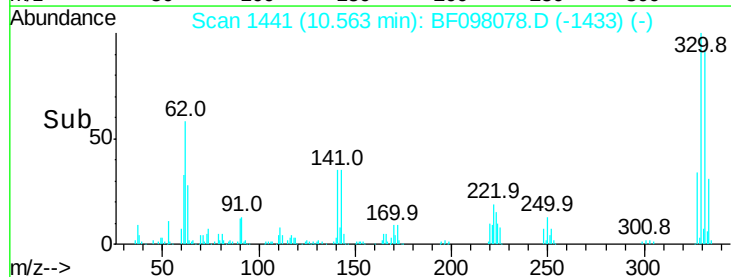
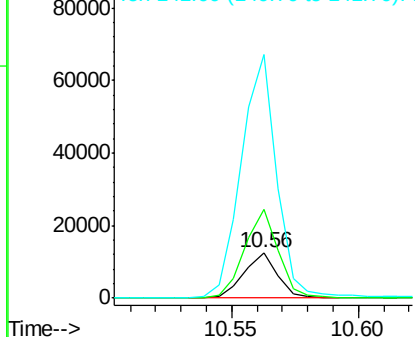


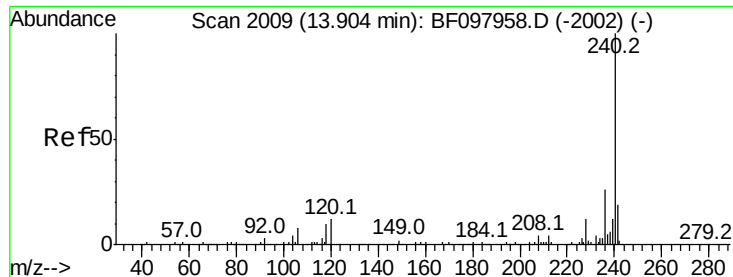
#66
4-Bromophenyl-phenylether
Concen: 2.583 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF098078.D
Acq: 28 Aug 2017 20:51

Tgt Ion:248 Resp: 11462
Ion Ratio Lower Upper
248 100
250 195.1 76.8 115.2#
141 535.1 68.6 103.0#



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: BF098078.D

Acq: 28 Aug 2017 20:51

Instrument :

BNA_F

ClientSampled :

SB04-GW

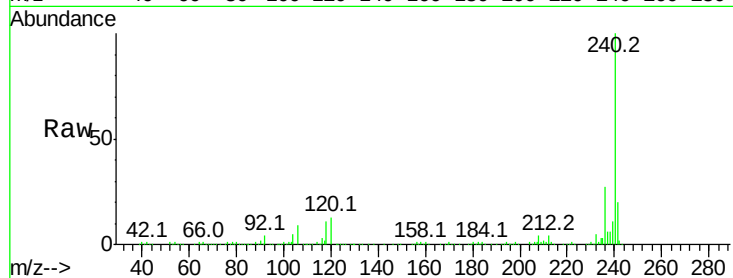
Tot Ion:240 Resp: 390208

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

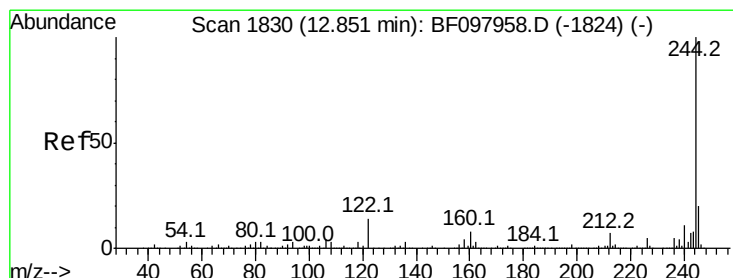
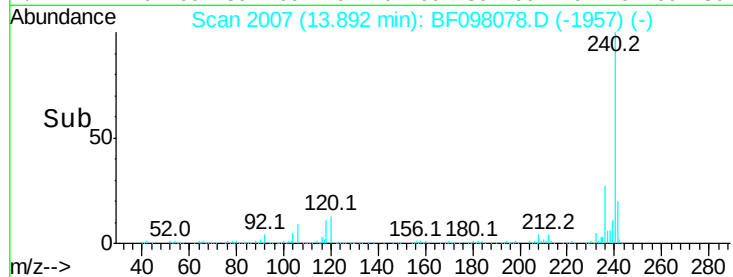
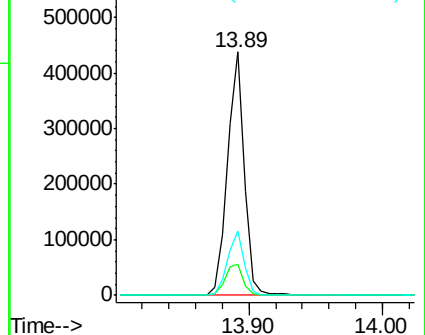
236 26.7 20.5 30.7



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: 58.401 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098078.D

Acq: 28 Aug 2017 20:51

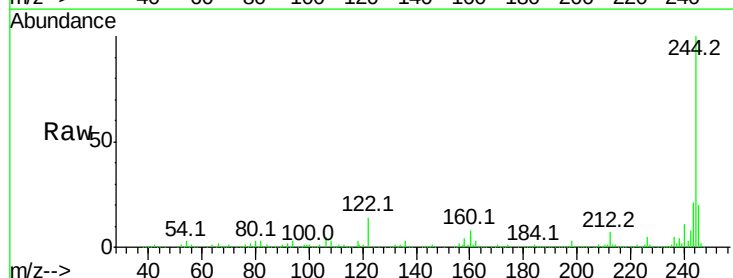
Tgt Ion:244 Resp: 1092790

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

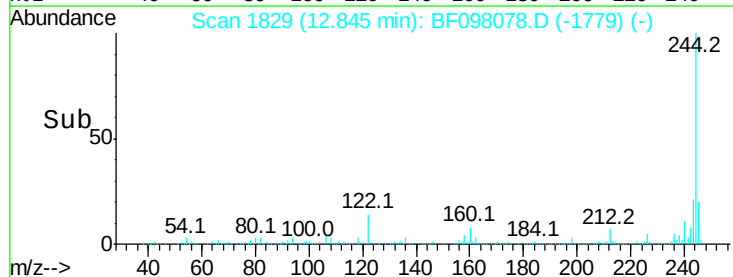
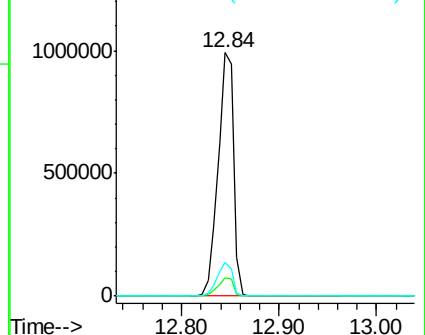
122 13.7 10.3 15.5

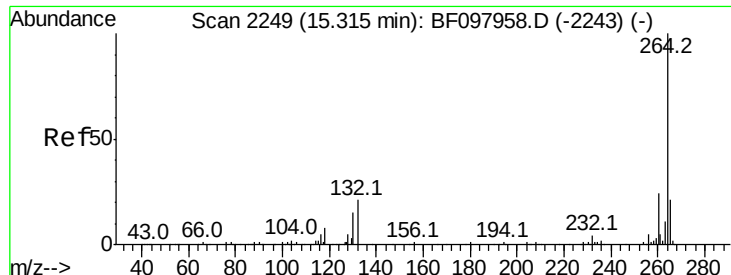


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

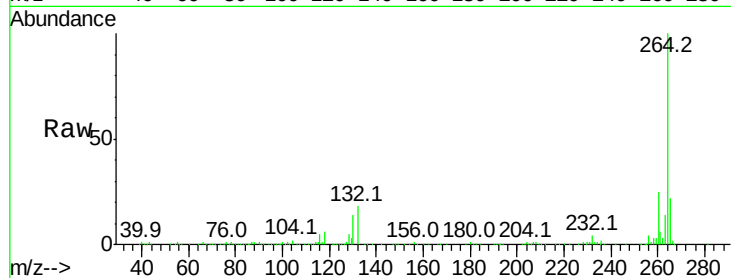




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF098078.D
 Acq: 28 Aug 2017 20:51

Instrument :
 BNA_F
 ClientSampleId :
 SB04-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.6	17.2	25.8



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

