

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098062.D
 Acq On : 28 Aug 2017 12:12
 Operator : SJ/JU
 Sample : I4947-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELIZABETH-RO-COMP-B

Quant Time: Aug 28 13:47:12 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

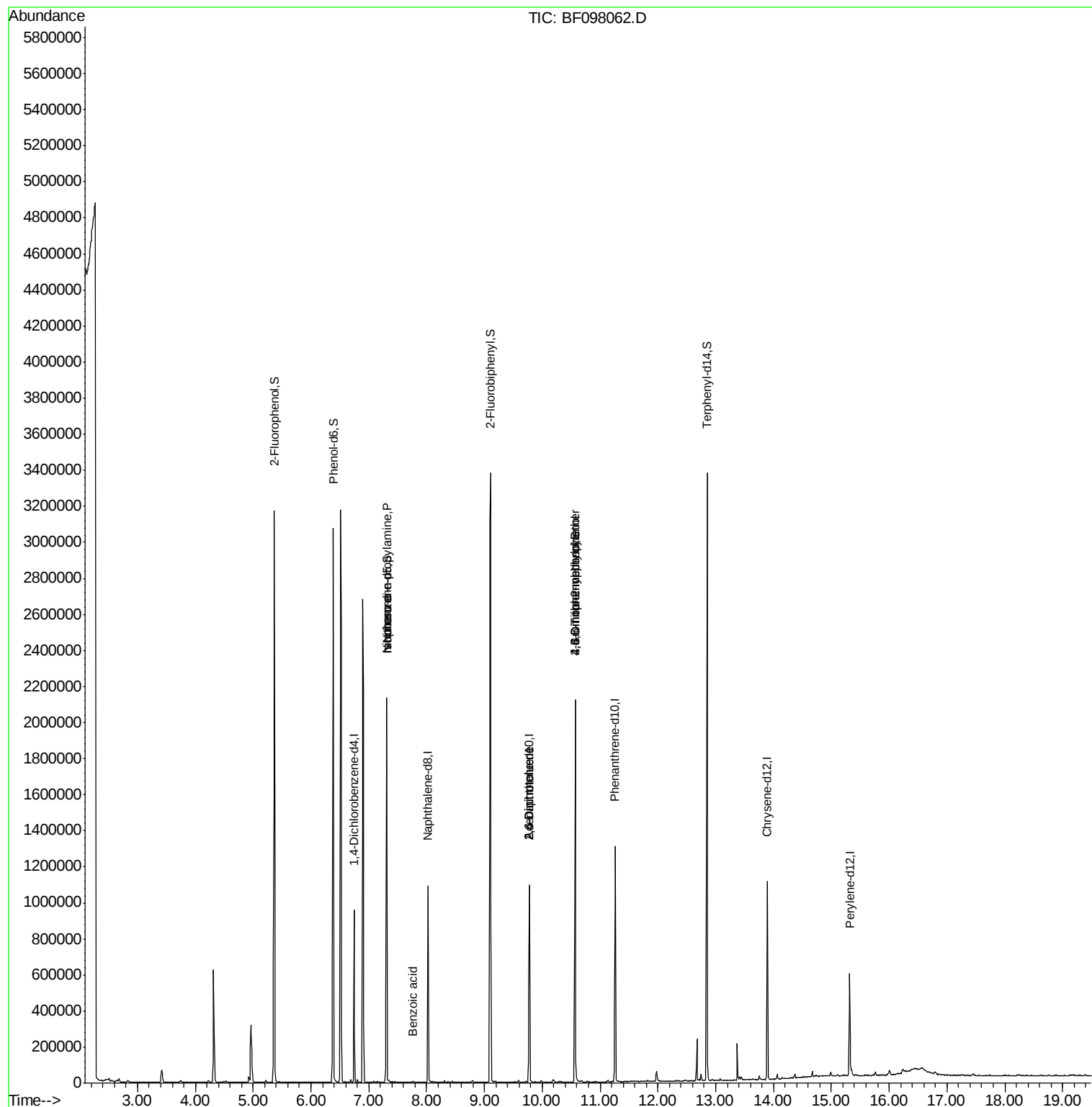
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	126555	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	507757	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	227556	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	448531	20.00	ng	0.00
75) Chrysene-d12	13.90	240	395541	20.00	ng	0.00
86) Perylene-d12	15.32	264	223960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	974392	117.11	ng	0.02
7) Phenol-d6	6.39	99	1282563	113.45	ng	0.00
23) Nitrobenzene-d5	7.31	82	812694	86.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	269270	136.38	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1185398	76.53	ng	0.00
78) Terphenyl-d14	12.85	244	1137462	59.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	108566	14.029	ng	# 71
25) Isophorone	7.31	82	807061	41.526	ng	# 67
32) Benzoic acid	7.76	122	1116	6.568	ng	# 74
50) 2,6-Dinitrotoluene	9.77	165	28617	8.619	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	28617	6.868	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	532	8.529	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	17498	3.757	ng	# 1

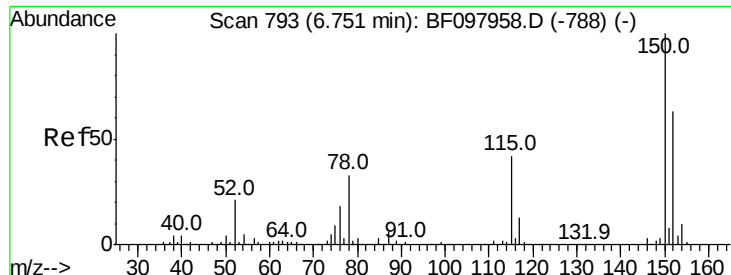
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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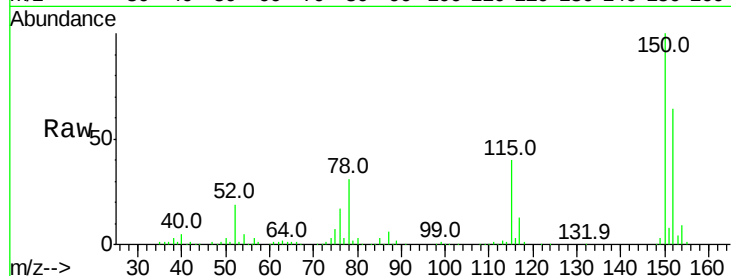


#1

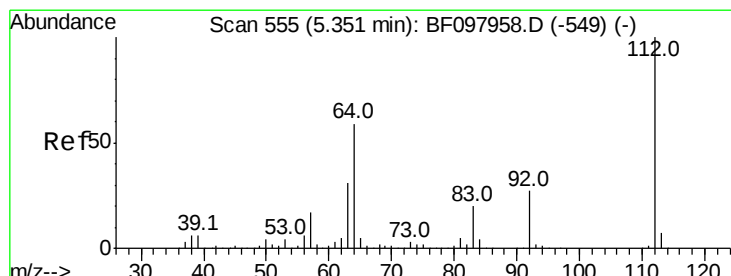
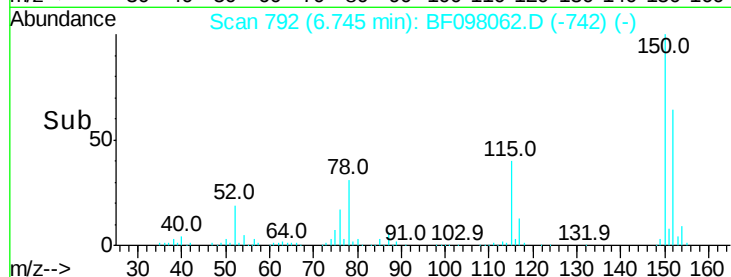
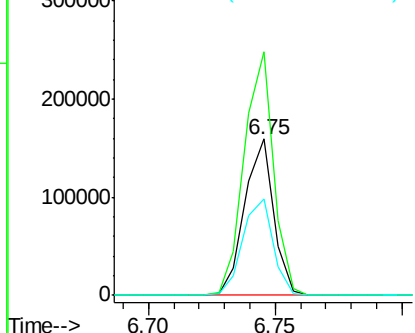
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF098062.D
Acq: 28 Aug 2017 12:12

Instrument :
BNA_F
ClientSampleId :
ELIZABETH-RO-COMP-B

Tot Ion:152 Resp: 126555
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 62.0 52.2 78.2



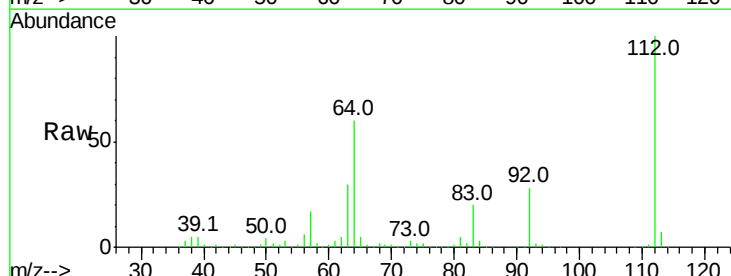
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



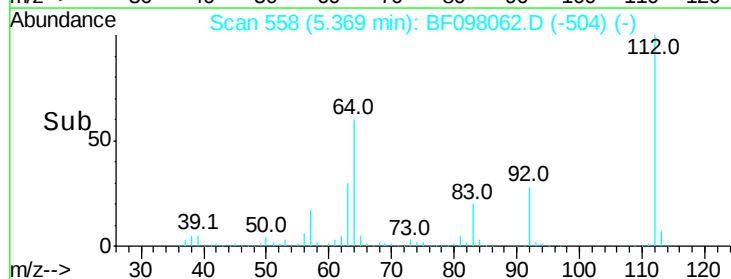
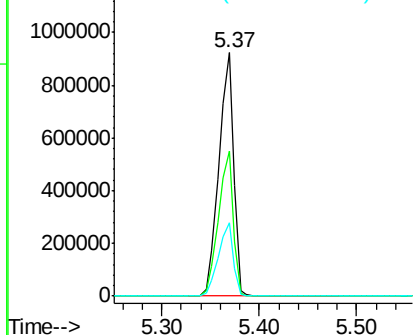
#5

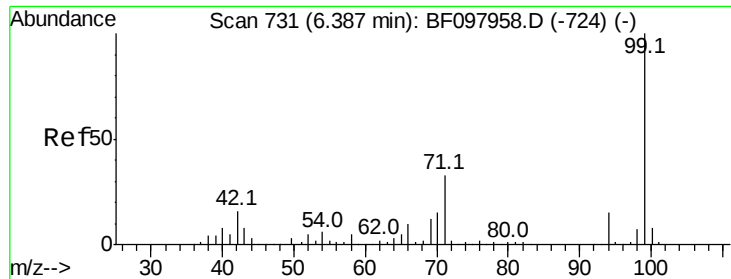
2-Fluorophenol
Concen: 117.113 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF098062.D
Acq: 28 Aug 2017 12:12

Tgt Ion:112 Resp: 974392
Ion Ratio Lower Upper
112 100
64 59.5 46.0 69.0
63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.455 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

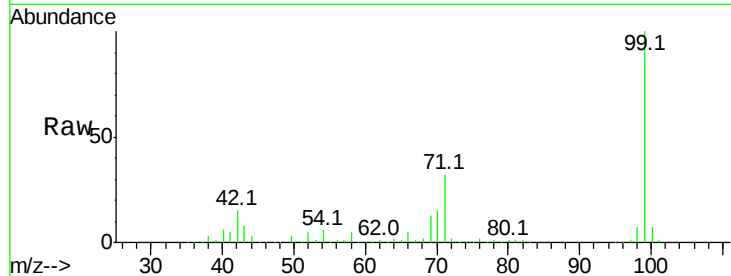
Tot Ion: 99 Resp: 1282563

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

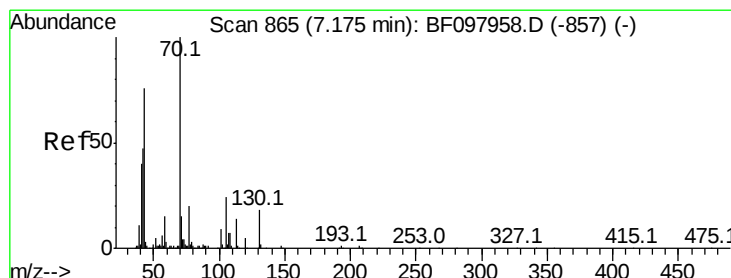
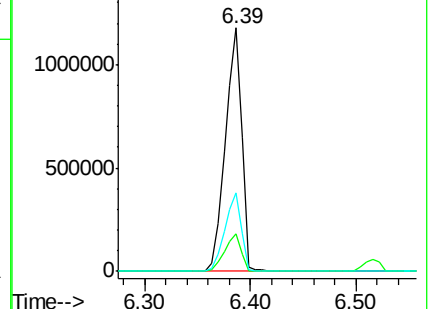
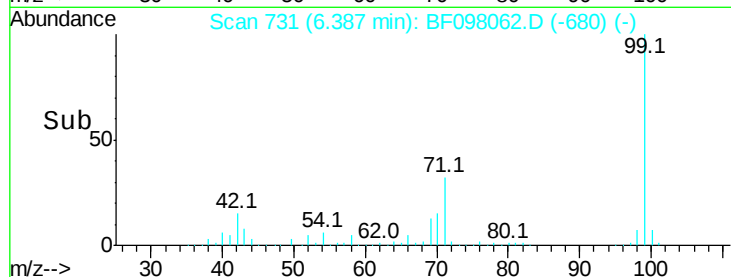
71 32.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.029 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Tgt Ion: 70 Resp: 108566

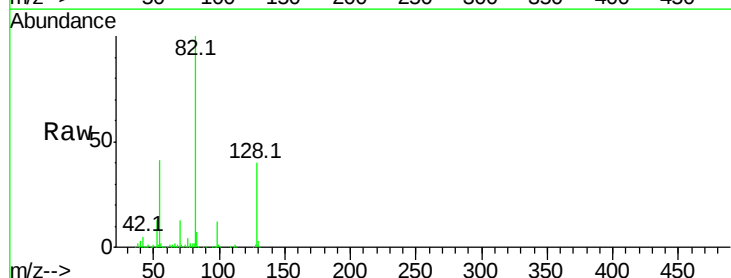
Ion Ratio Lower Upper

70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

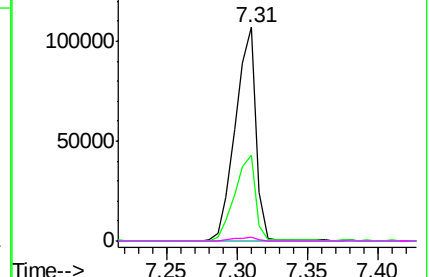
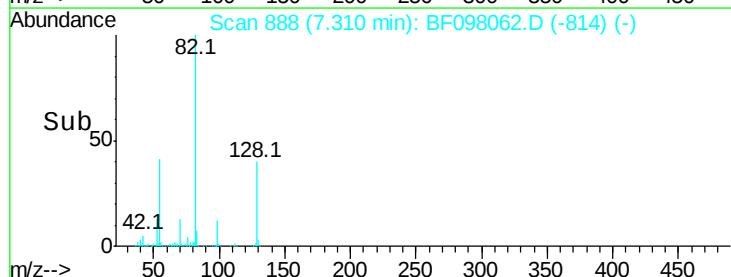


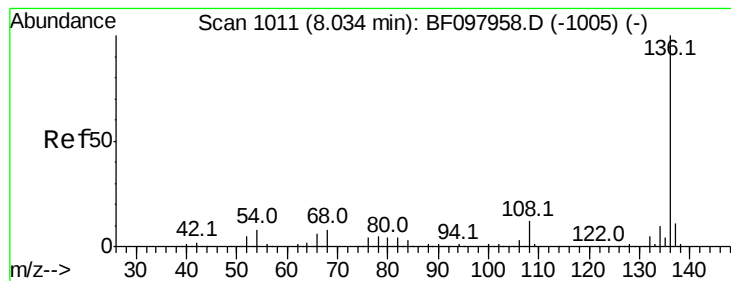
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

Tot Ion:136 Resp: 507757

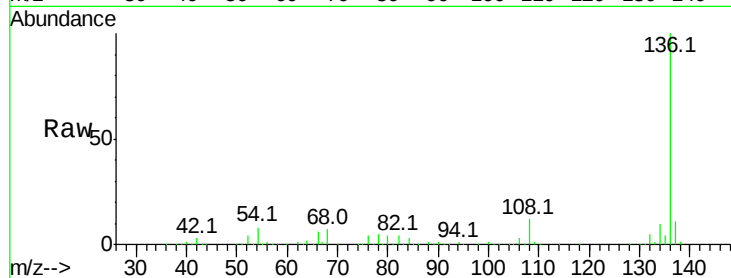
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.1 4.9 7.3#

68 7.3 4.1 6.1#

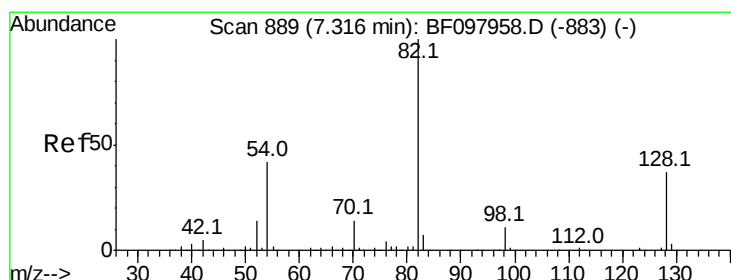
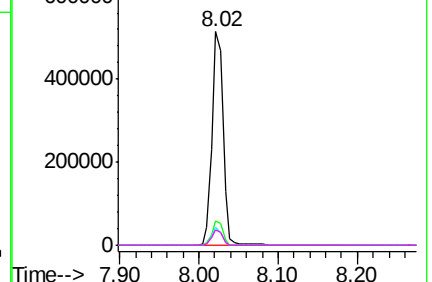
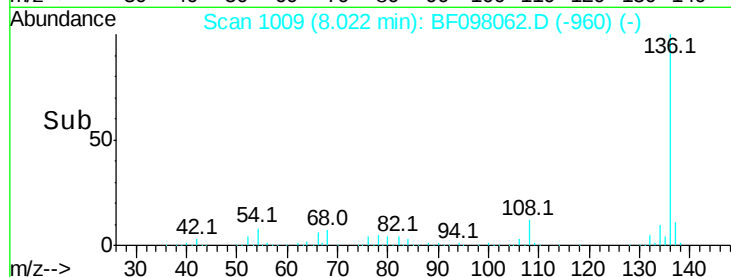


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.950 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

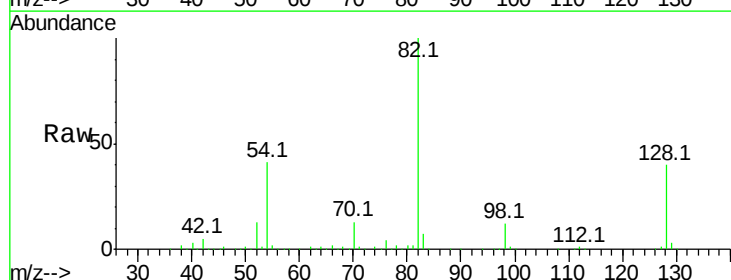
Tgt Ion: 82 Resp: 812694

Ion Ratio Lower Upper

82 100

128 39.8 34.0 51.0

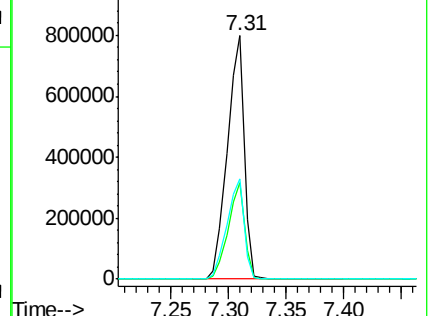
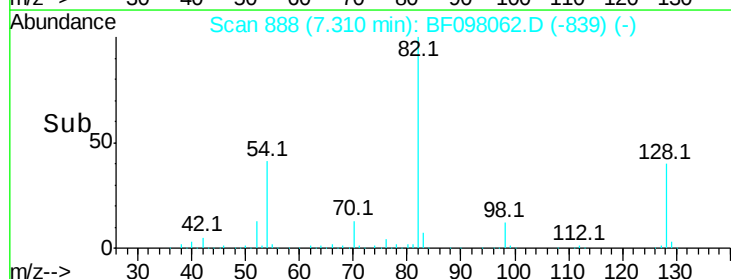
54 41.0 42.2 63.2#

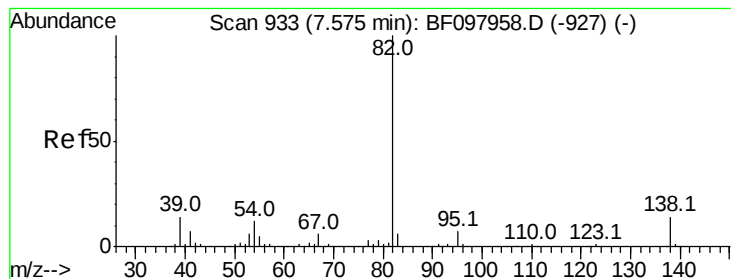


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.526 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

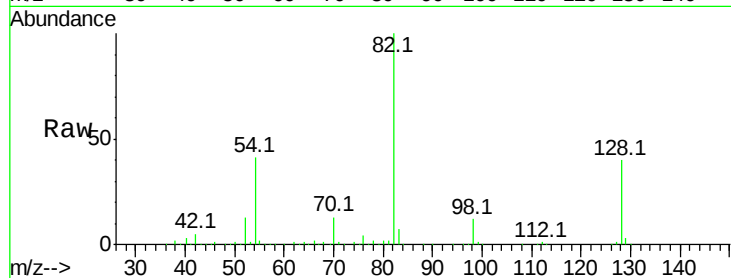
Tot Ion: 82 Resp: 807061

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

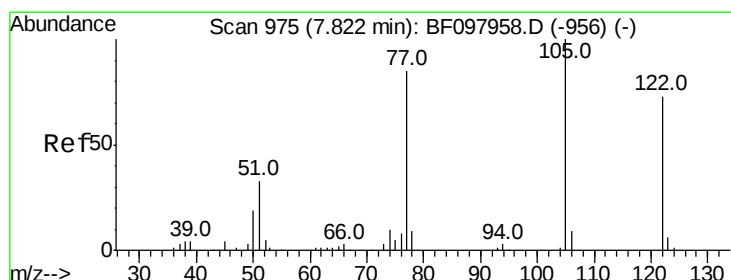
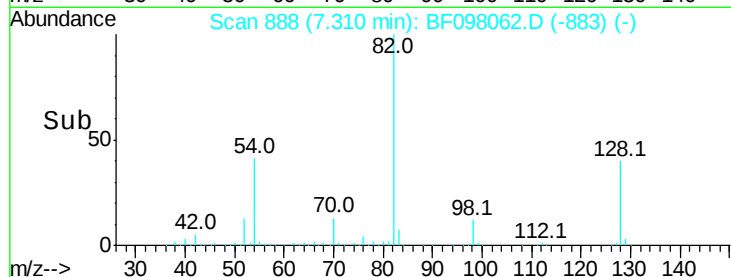
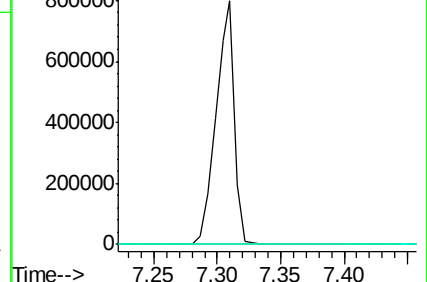
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.568 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.08 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

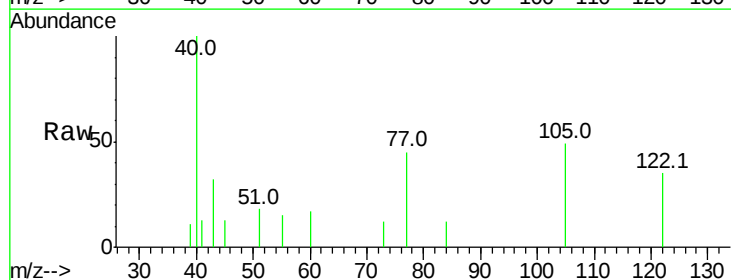
Tgt Ion:122 Resp: 1116

Ion Ratio Lower Upper

122 100

105 142.5 103.3 143.3

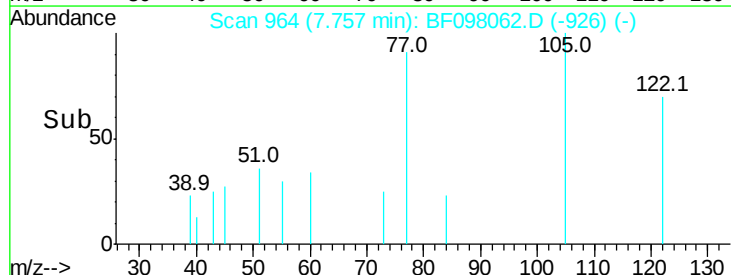
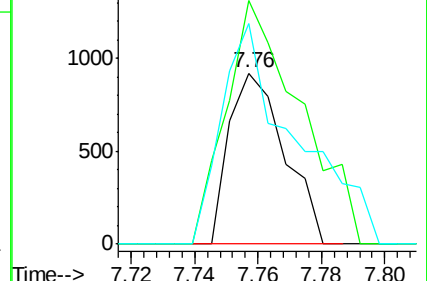
77 129.5 73.7 113.7#

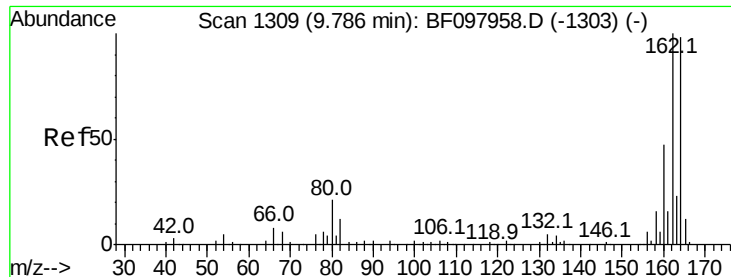


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

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ClientSampleId :

ELIZABETH-RO-COMP-B

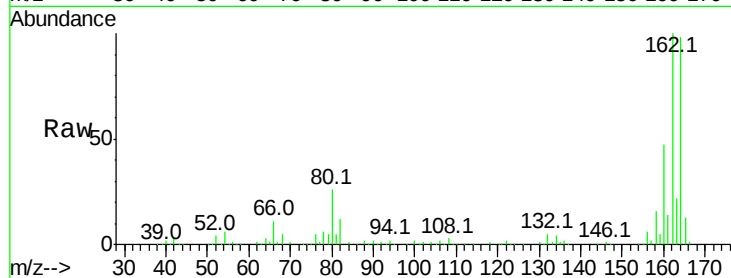
Tot Ion:164 Resp: 227556

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

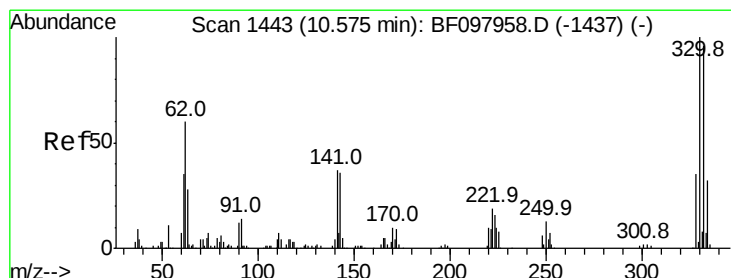
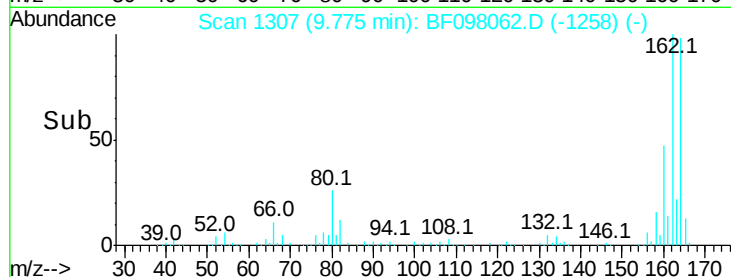
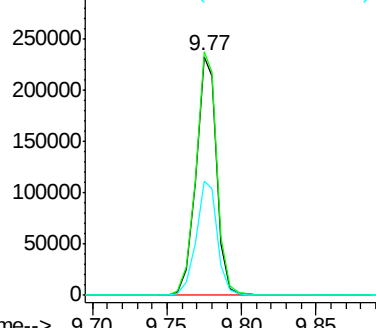
160 48.2 36.2 54.2



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: 136.379 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

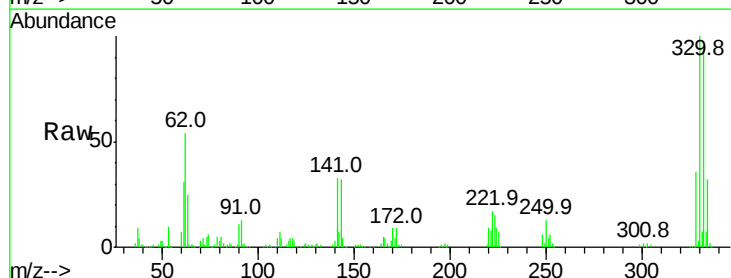
Tgt Ion:330 Resp: 269270

Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

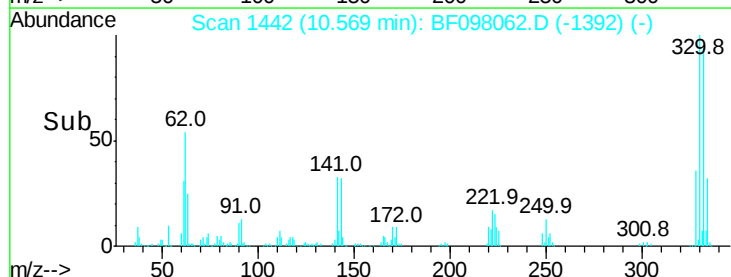
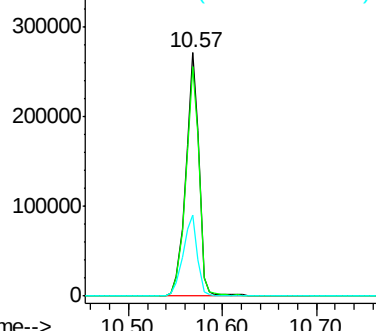
141 36.1 31.4 47.2

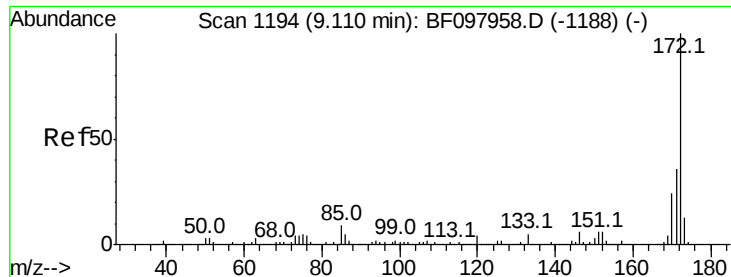


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



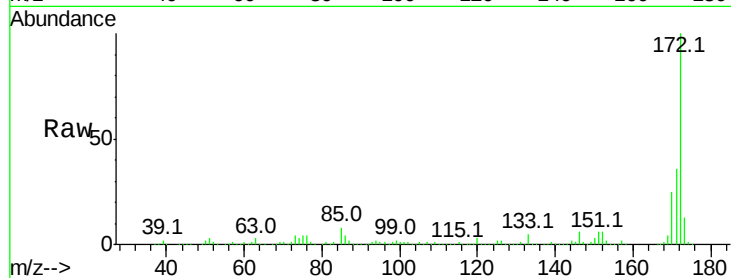


#44
 2-Fluorobiphenyl
 Concen: 76.535 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098062.D
 Acq: 28 Aug 2017 12:12

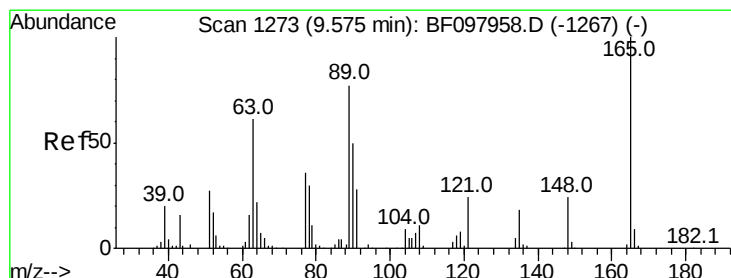
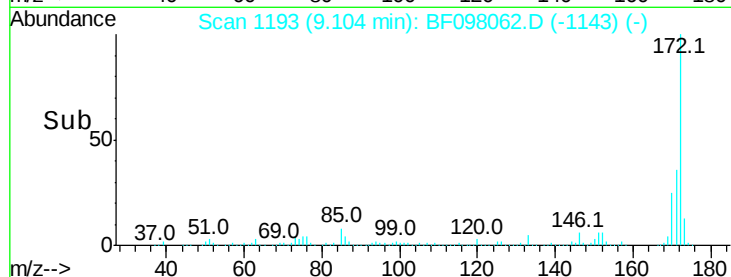
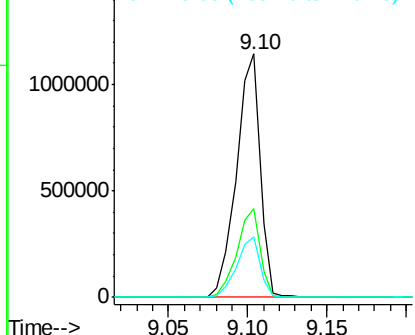
Instrument :
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 ELIZABETH-RO-COMP-B

Tot Ion:172 Resp: 1185398

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.6	19.8	29.8



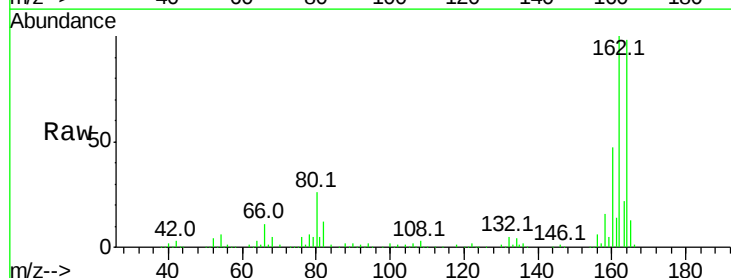
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



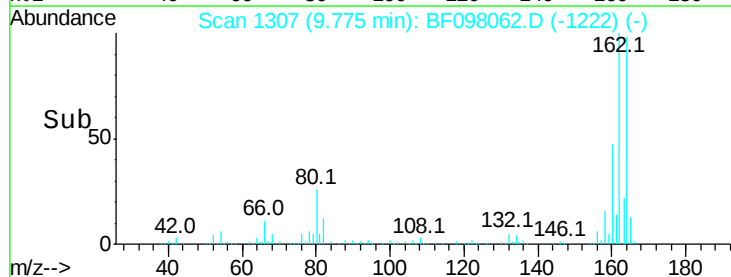
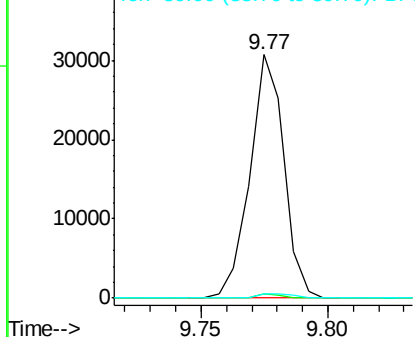
#50
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.20 min
 Lab File: BF098062.D
 Acq: 28 Aug 2017 12:12

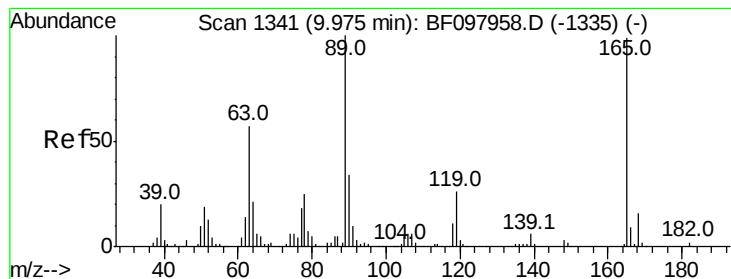
Tgt Ion:165 Resp: 28617

Ion	Ratio	Lower	Upper
165	100		
63	1.5	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: 6.868 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

Tot Ion:165 Resp: 28617

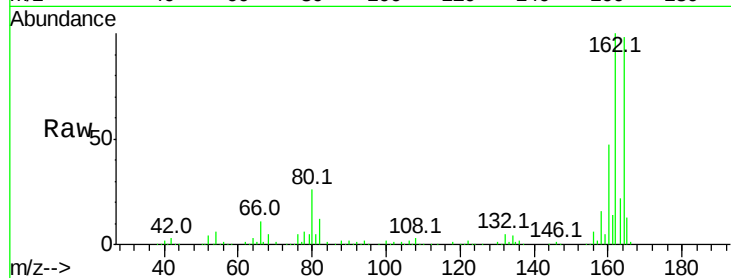
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

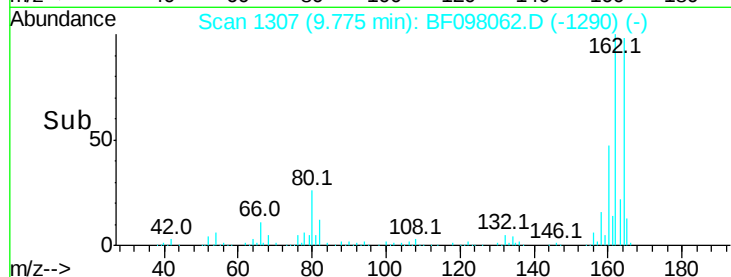


Abundance Ion 165.00 (164.70 to 165.70): E

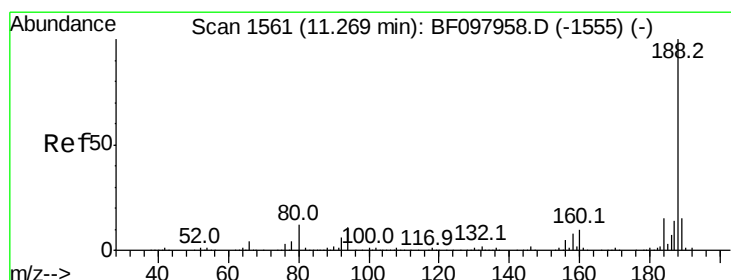
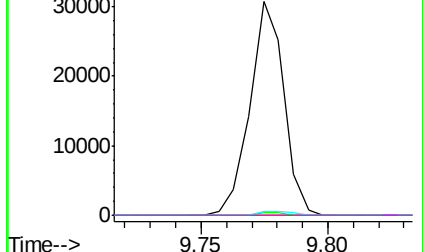
Ion 63.00 (62.70 to 63.70): BF0

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# 1560

Delta R.T. 0.00 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

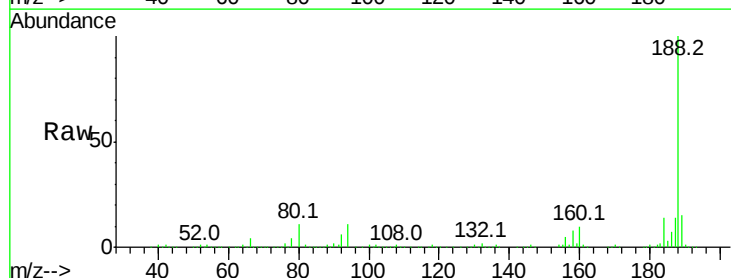
Tgt Ion:188 Resp: 448531

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

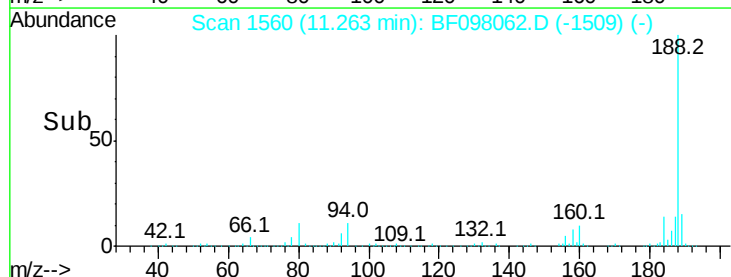
80 11.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

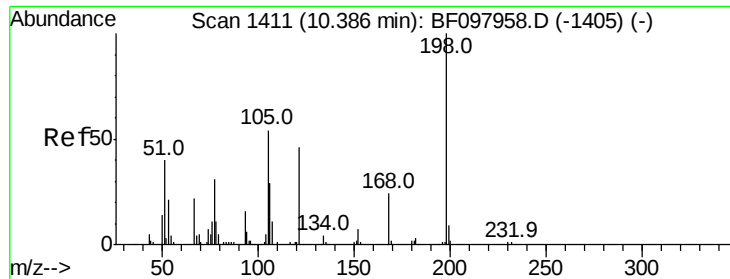
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#64

4,6-Dinitro-2-methylphenol

Concen: 8.529 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.19 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

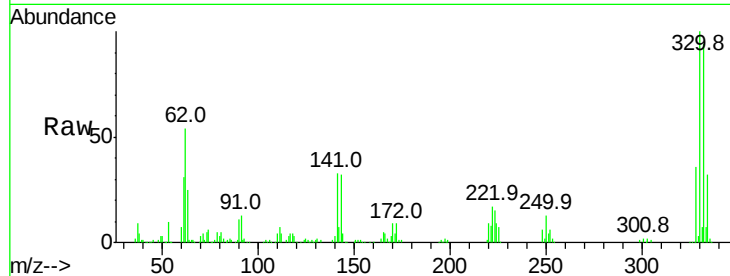
Tot Ion:198 Resp: 532

Ion Ratio Lower Upper

198 100

51 196.2 53.2 93.2#

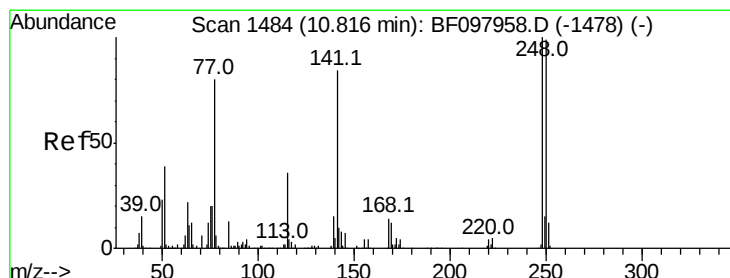
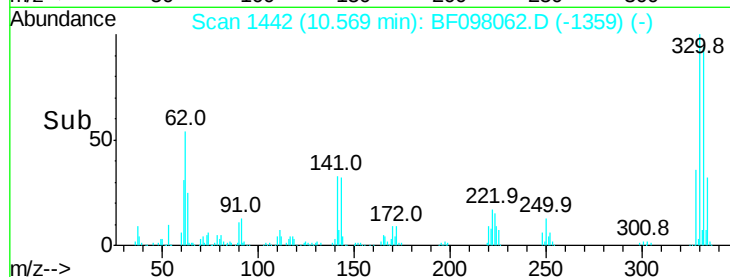
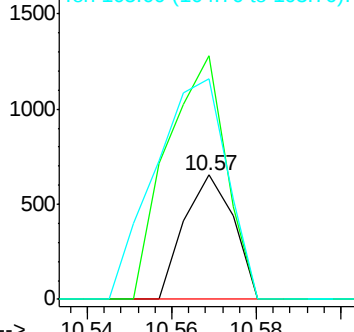
105 177.8 45.8 85.8#



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: 3.757 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.25 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

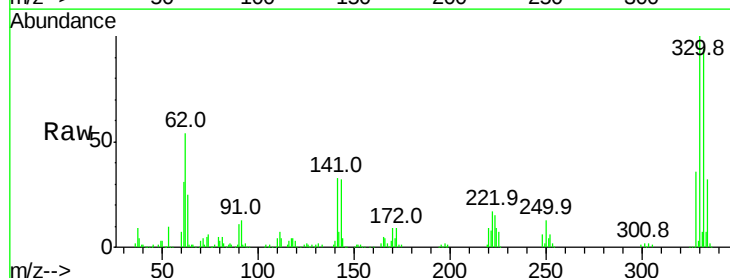
Tgt Ion:248 Resp: 17498

Ion Ratio Lower Upper

248 100

250 205.5 76.8 115.2#

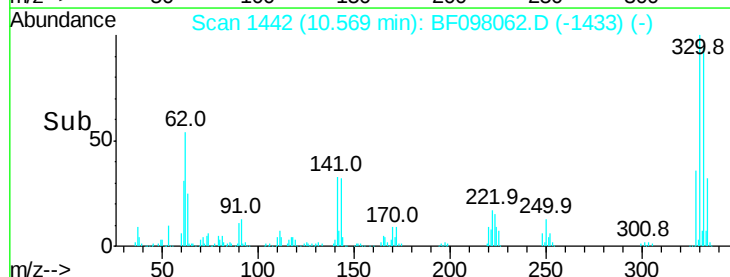
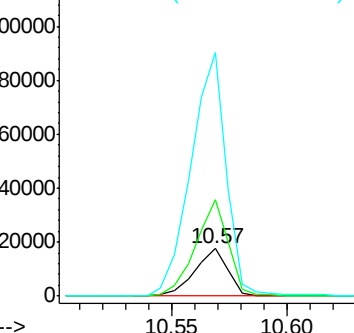
141 515.8 68.6 103.0#

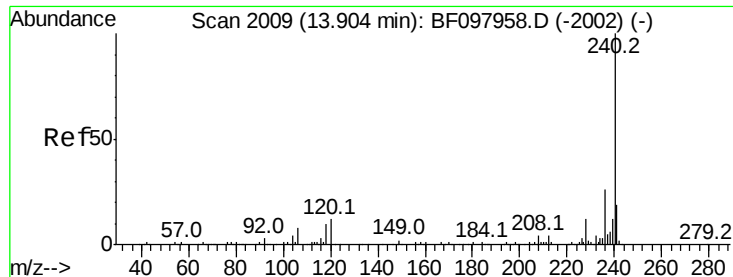


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-B

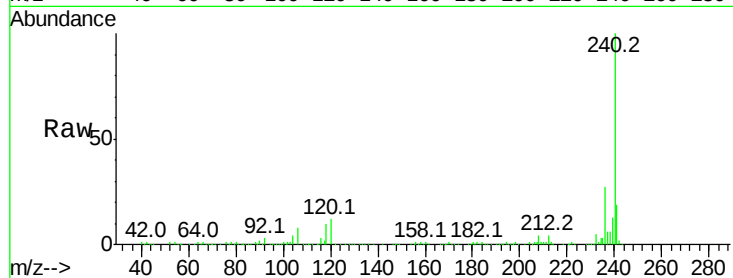
Tot Ion:240 Resp: 395541

Ion Ratio Lower Upper

240 100

120 11.5 5.8 8.8#

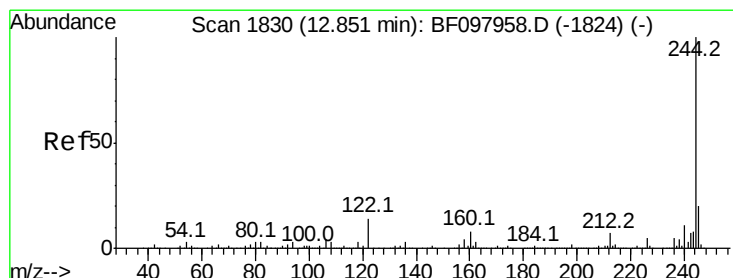
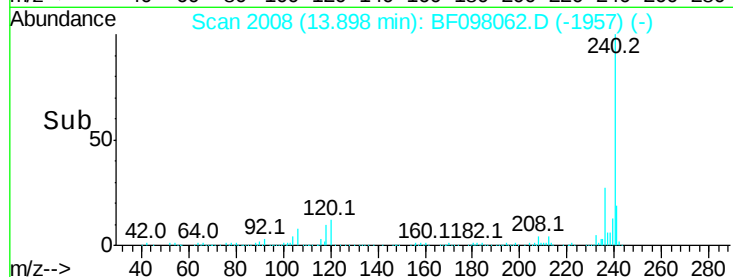
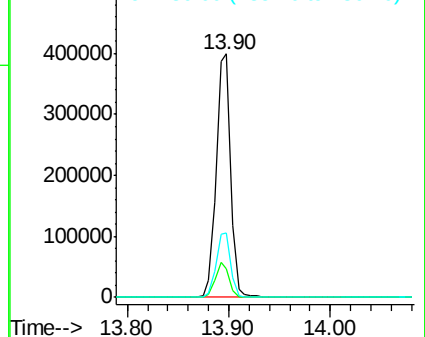
236 26.7 20.5 30.7



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: 59.968 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF098062.D

Acq: 28 Aug 2017 12:12

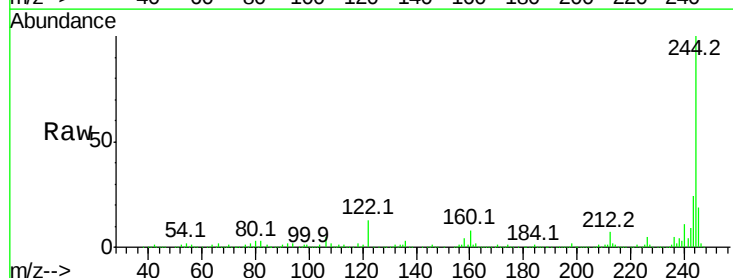
Tgt Ion:244 Resp: 1137462

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

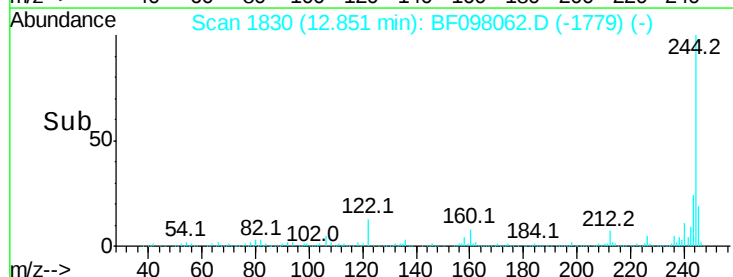
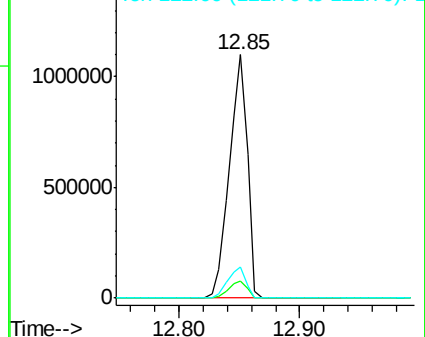
122 12.7 10.3 15.5

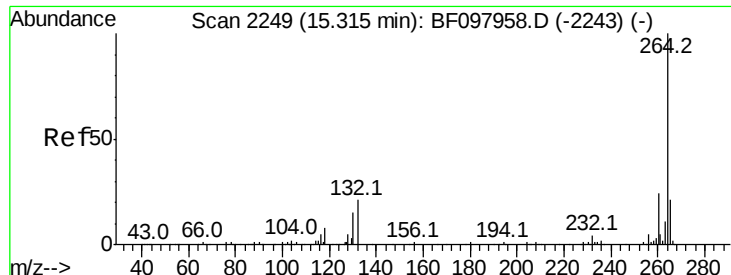


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

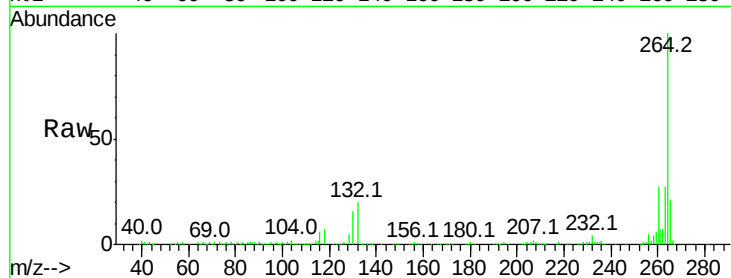




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098062.D
Acq: 28 Aug 2017 12:12

Instrument :
BNA_F
ClientSampleId :
ELIZABETH-RO-COMP-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.5	29.3
265	20.6	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

