

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097736.D
 Acq On : 16 Aug 2017 13:58
 Operator : SJ/JU
 Sample : I4758-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081117

Quant Time: Aug 16 15:19:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

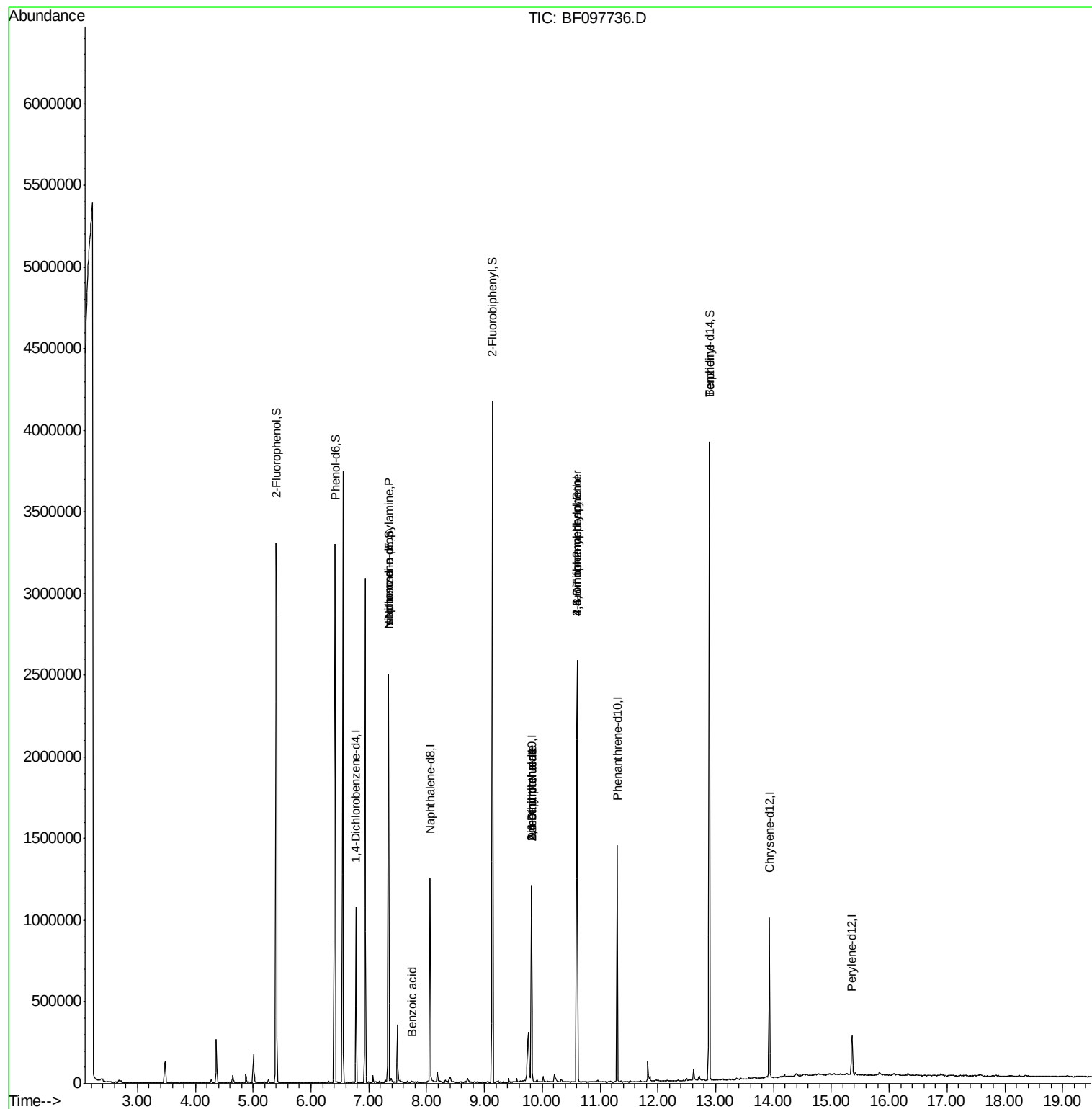
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132539	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	524472	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	203102	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	473983	20.00	ng	0.00
75) Chrysene-d12	13.93	240	282994	20.00	ng	-0.01
86) Perylene-d12	15.36	264	54611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1060386	121.69	ng	0.01
7) Phenol-d6	6.42	99	1232339	104.09	ng	0.00
23) Nitrobenzene-d5	7.35	82	928026	96.12	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	333887	189.47	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1369874	99.09	ng	0.00
78) Terphenyl-d14	12.89	244	1299673	95.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	125229	15.452	ng	# 73
25) Isophorone	7.35	82	927218	46.188	ng	# 67
32) Benzoic acid	7.75	122	1775	6.657	ng	# 76
49) Dimethylphthalate	9.82	163	77332	5.209	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	25539	8.618	ng	# 37
56) 2,4-Dinitrotoluene	9.82	165	25539	6.867	ng	# 36
64) 4,6-Dinitro-2-methylphenol	10.60	198	864	8.640	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	21414	4.351	ng	# 1
76) Benzidine	12.89	184	19064	2.055	ng	# 92

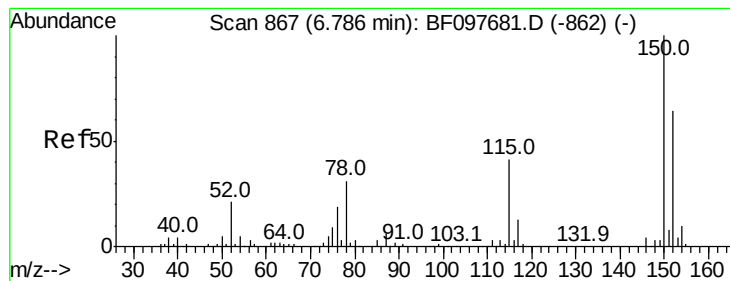
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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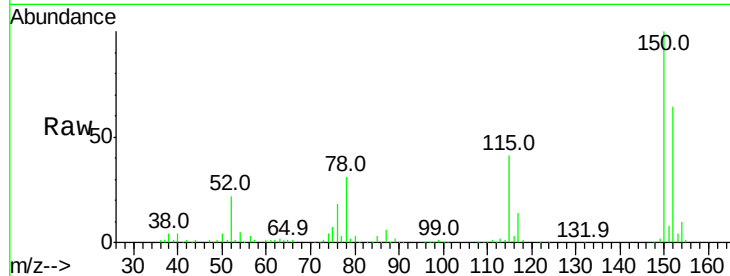


#1

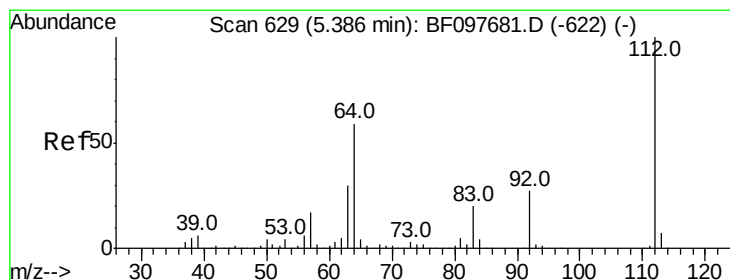
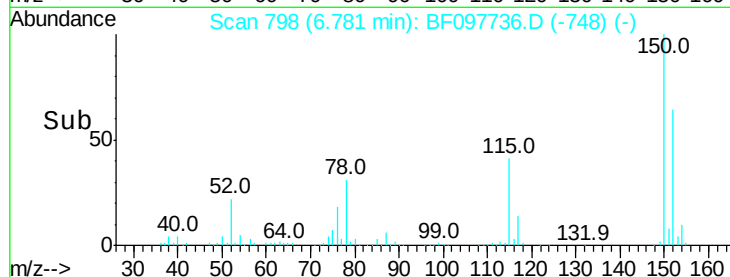
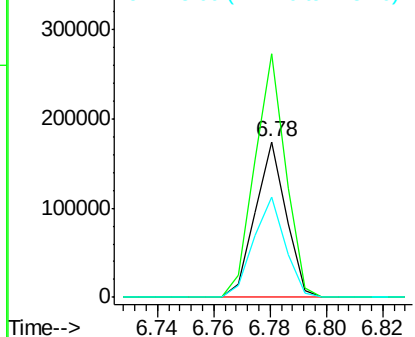
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Instrument :
BNA_F
ClientSampleId :
SU-02-081117

Tot Ion:152 Resp: 132539
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 64.4 52.2 78.2



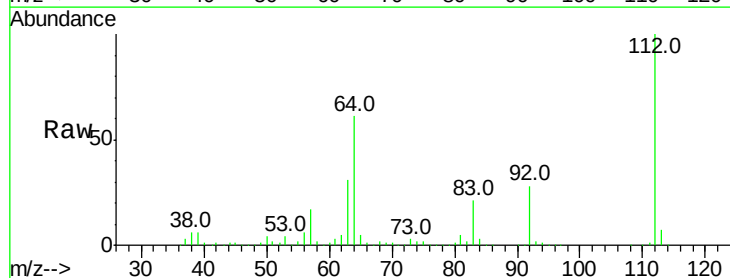
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



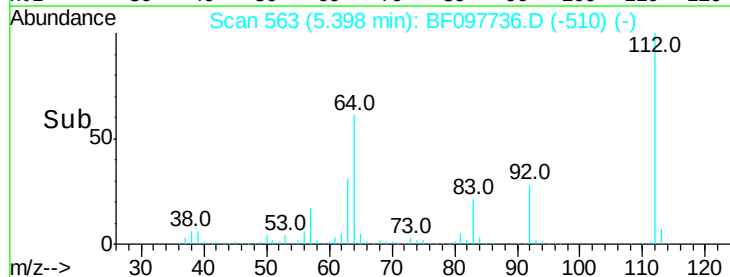
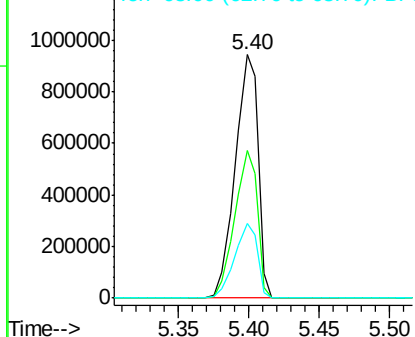
#5

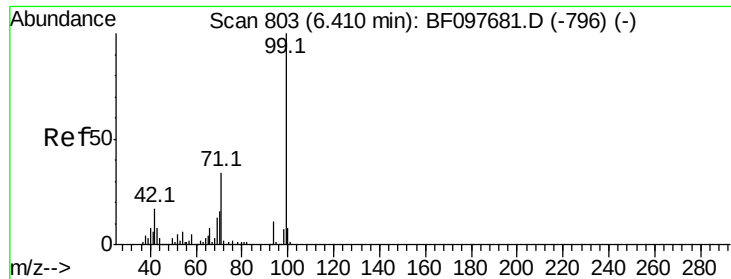
2-Fluorophenol
Concen: 121.694 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Tgt Ion:112 Resp: 1060386
Ion Ratio Lower Upper
112 100
64 60.8 46.0 69.0
63 30.7 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: 104.090 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

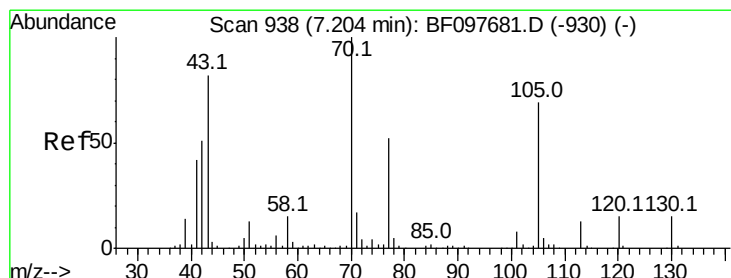
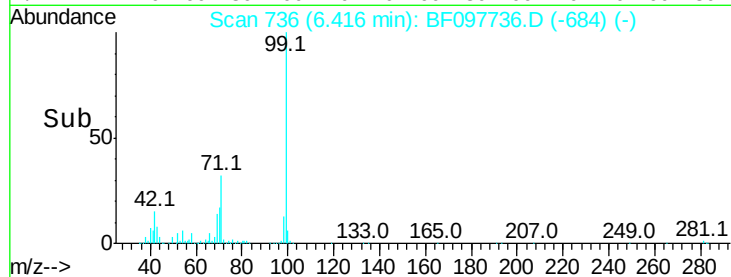
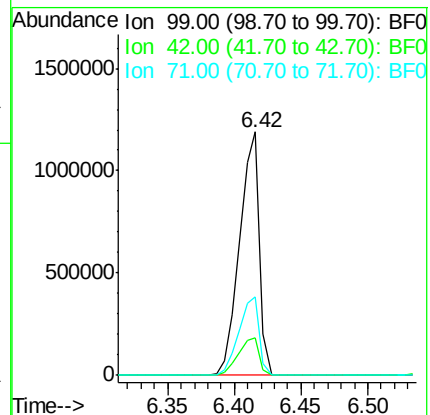
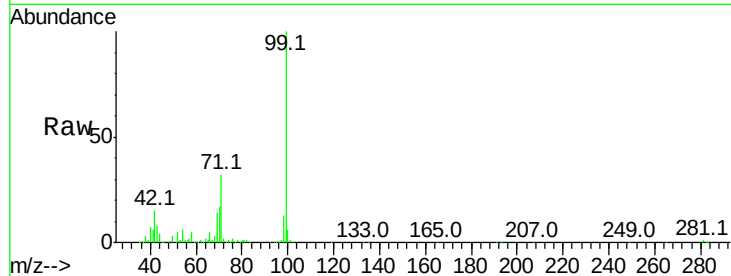
Tot Ion: 99 Resp: 1232339

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

71 32.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.452 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Tgt Ion: 70 Resp: 125229

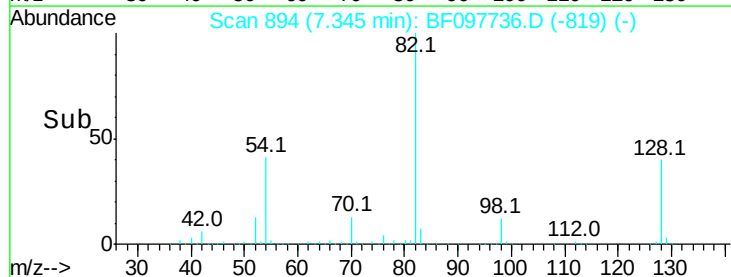
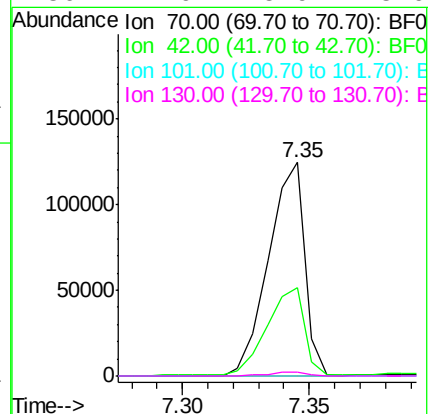
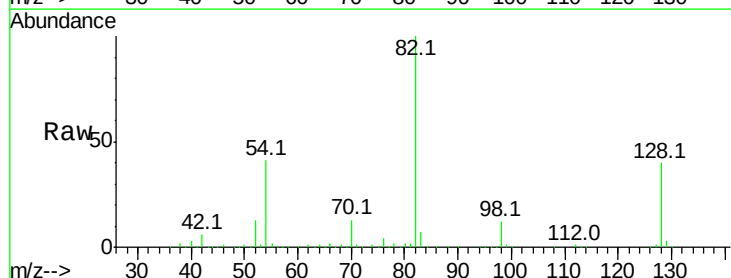
Ion Ratio Lower Upper

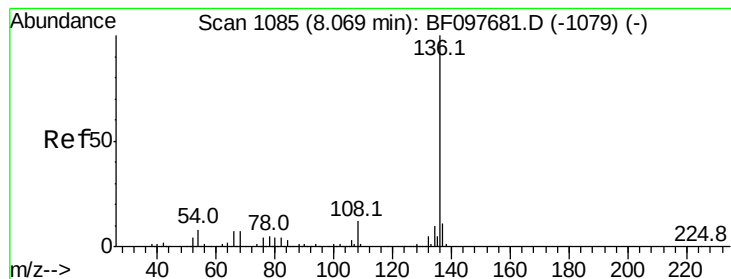
70 100

42 41.6 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

Tot Ion:136 Resp: 524472

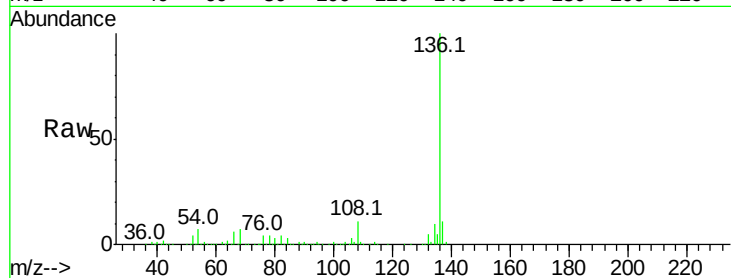
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 6.8 4.1 6.1#

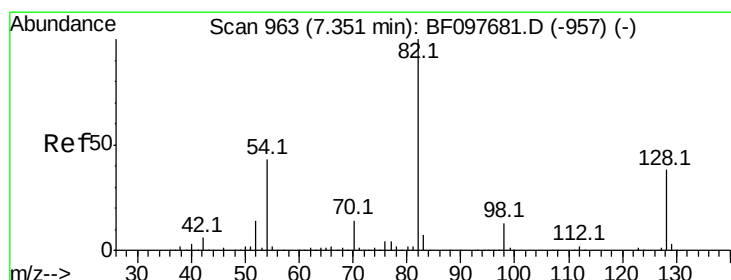
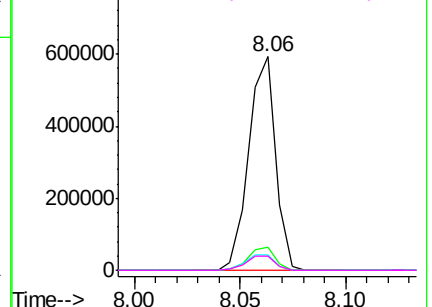
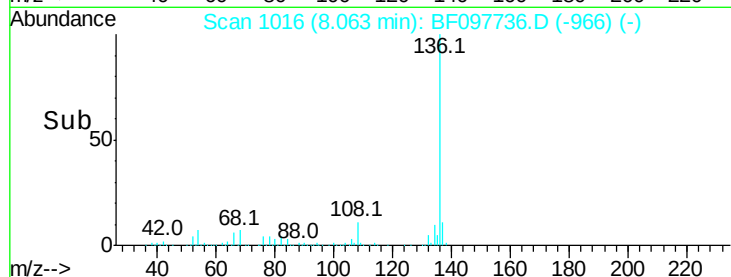


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.125 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

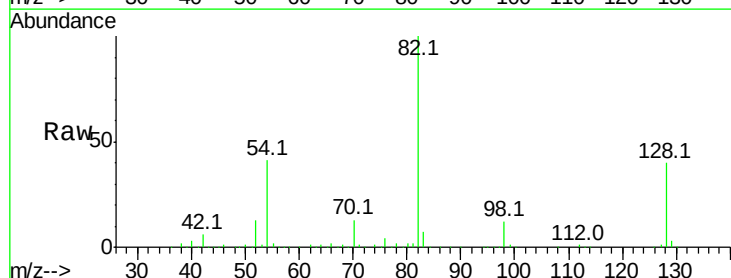
Tgt Ion: 82 Resp: 928026

Ion Ratio Lower Upper

82 100

128 40.0 34.0 51.0

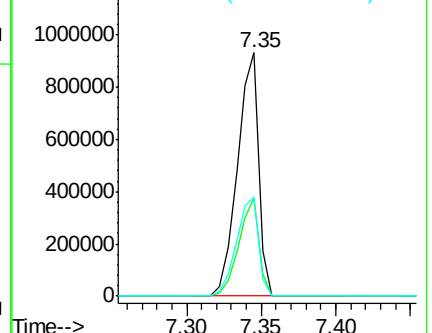
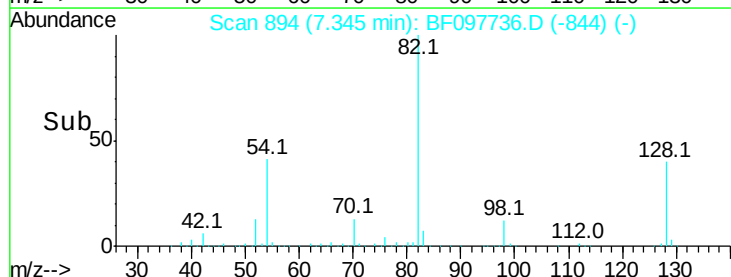
54 40.8 42.2 63.2#

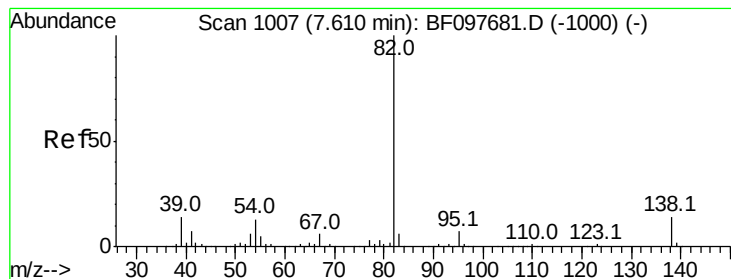


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.188 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

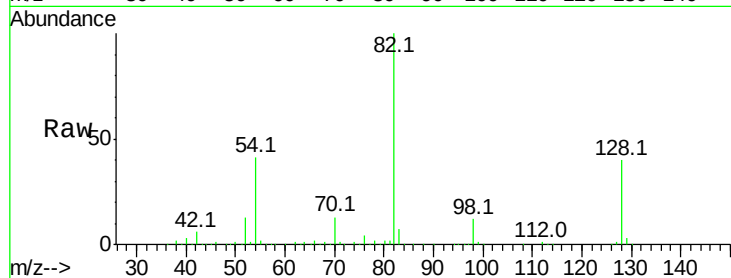
Tot Ion: 82 Resp: 927218

Ion Ratio Lower Upper

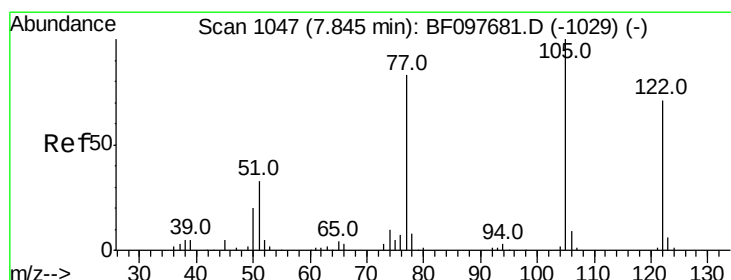
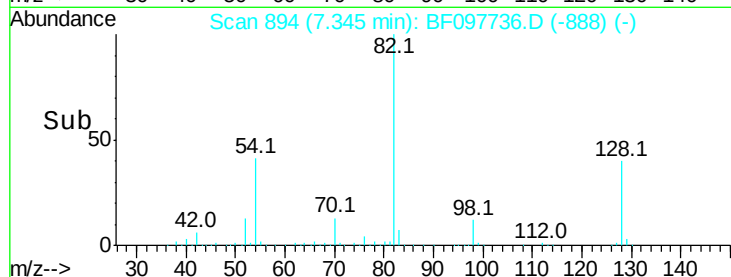
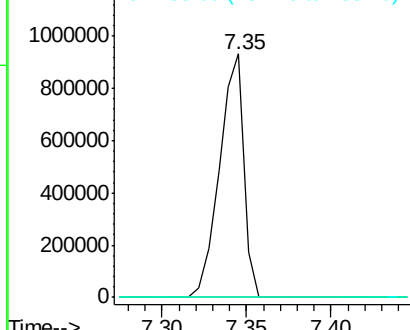
82 100

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: 6.657 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.10 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

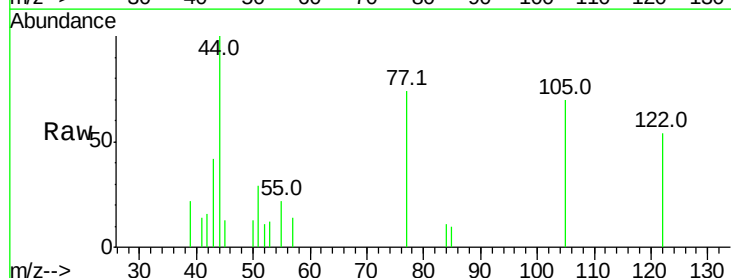
Tgt Ion:122 Resp: 1775

Ion Ratio Lower Upper

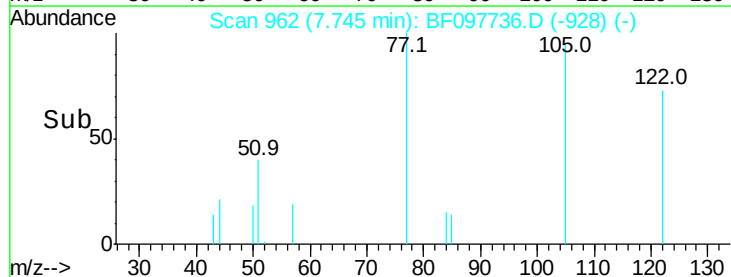
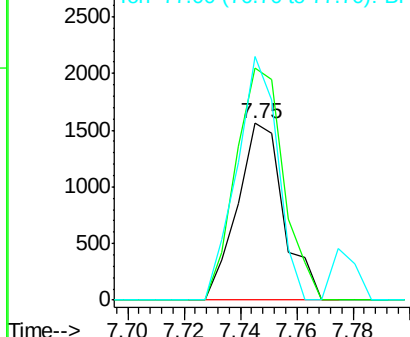
122 100

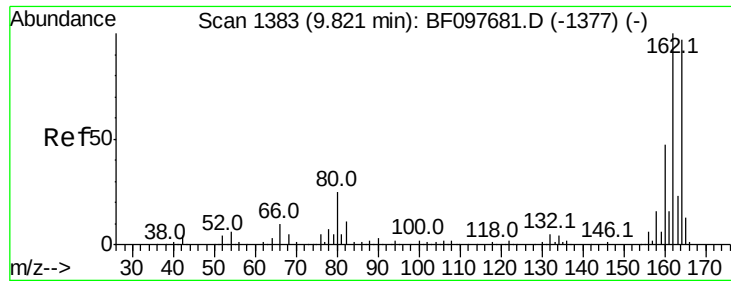
105 131.3 103.3 143.3

77 137.8 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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

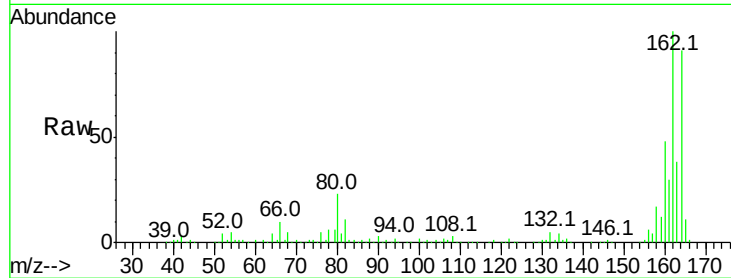
Tot Ion:164 Resp: 203102

Ion Ratio Lower Upper

164 100

162 109.4 82.6 123.8

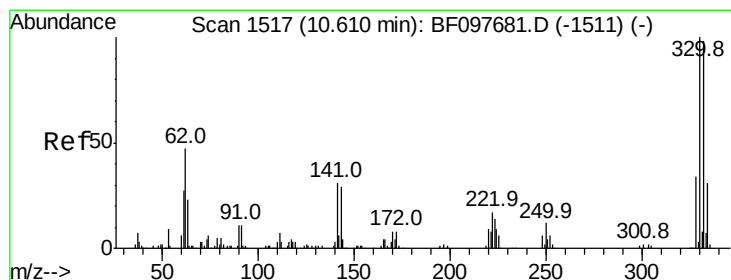
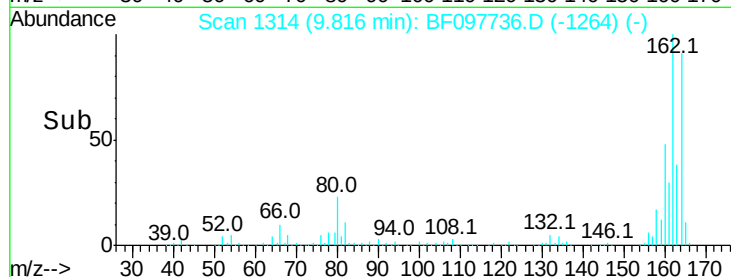
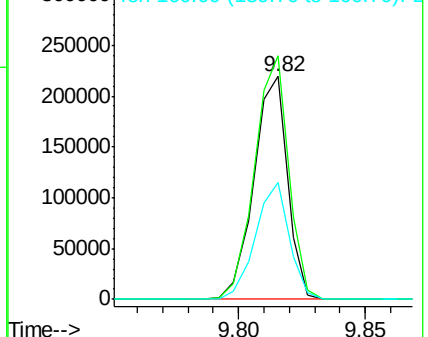
160 52.7 36.2 54.2



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: 189.467 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

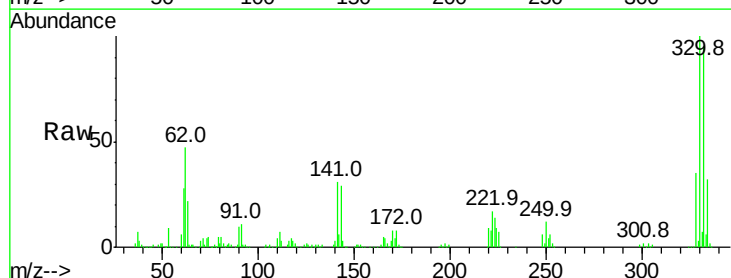
Tgt Ion:330 Resp: 333887

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

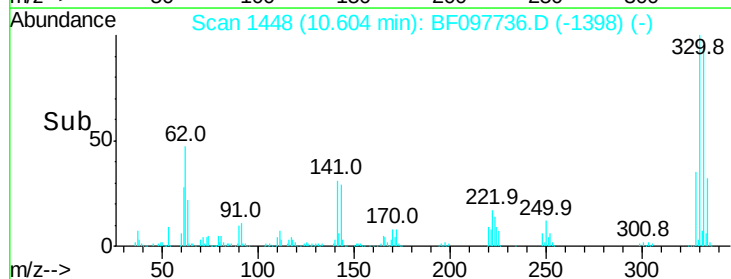
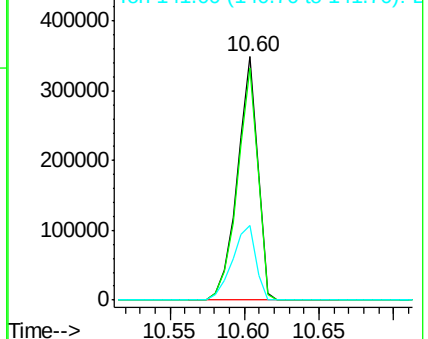
141 35.6 31.4 47.2

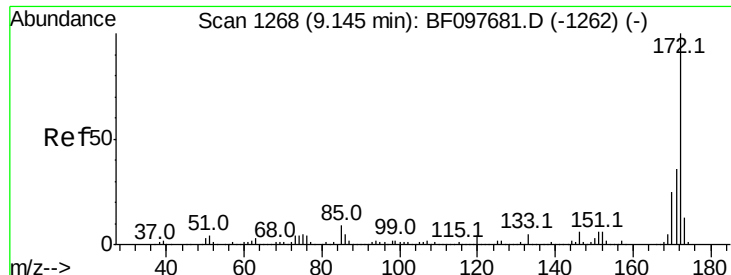


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

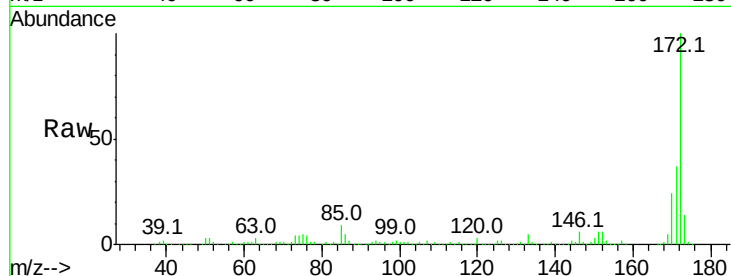




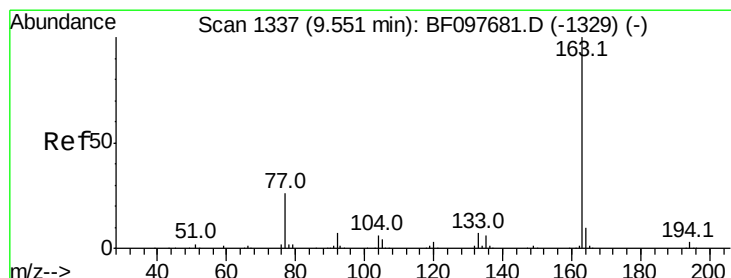
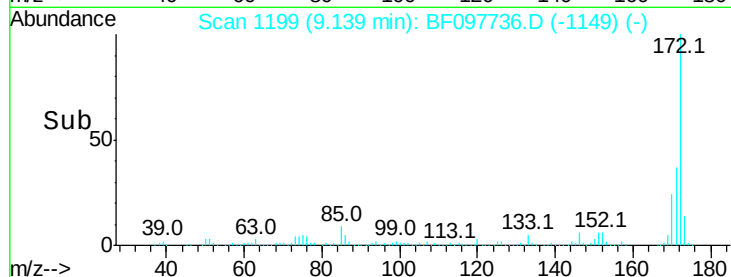
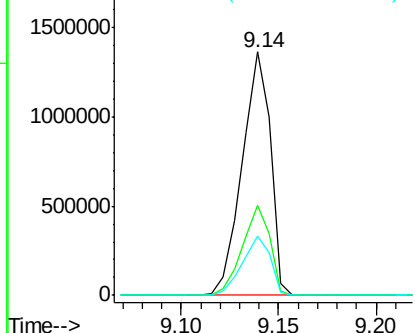
#44
2-Fluorobiphenyl
Concen: 99.094 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Instrument :
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SU-02-081117

Tot Ion:172 Resp: 1369874
Ion Ratio Lower Upper
172 100
171 37.2 29.6 44.4
170 24.2 19.8 29.8

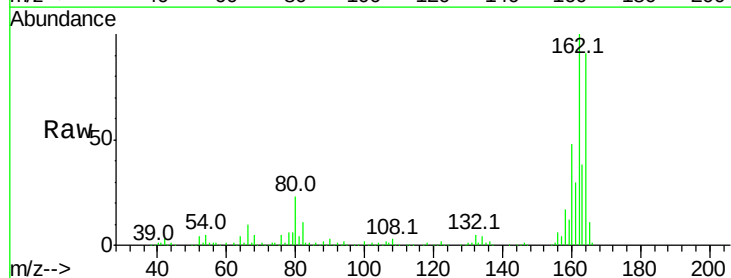


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

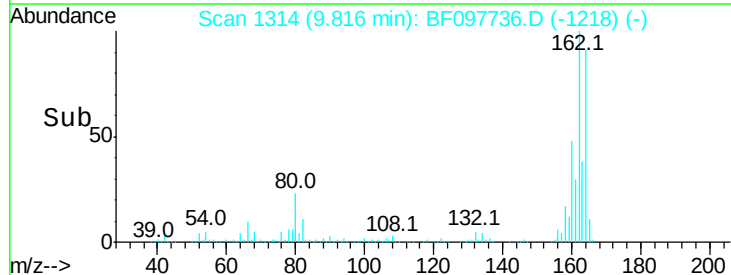
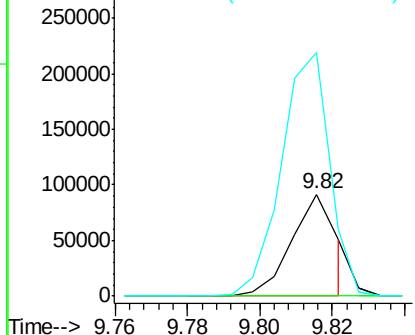


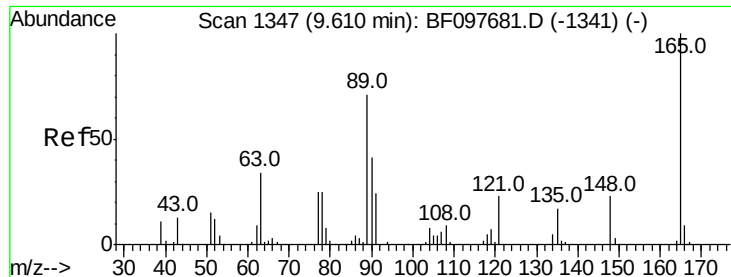
#49
Dimethylphthalate
Concen: 5.209 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.26 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Tgt Ion:163 Resp: 77332
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 238.9 8.4 12.6#



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: 8.618 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.21 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

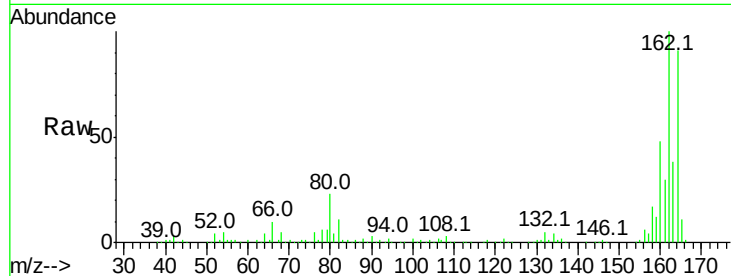
Tot Ion:165 Resp: 25539

Ion Ratio Lower Upper

165 100

63 3.0 34.3 51.5#

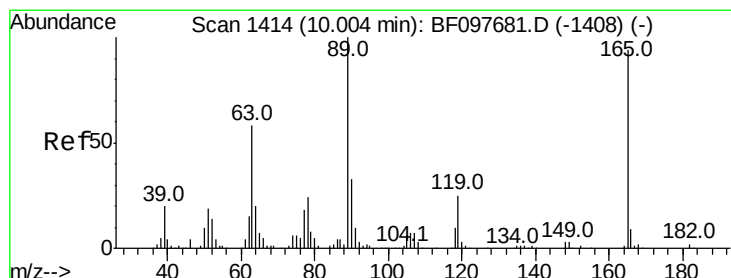
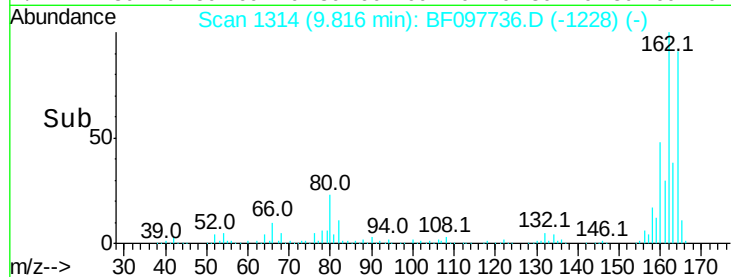
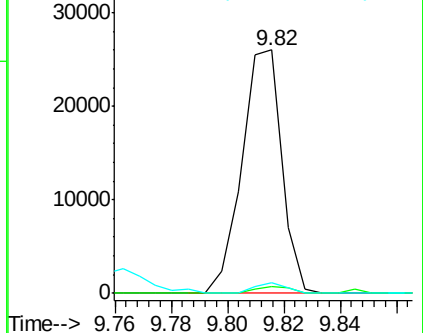
89 4.4 37.1 55.7#



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: 6.867 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Tgt Ion:165 Resp: 25539

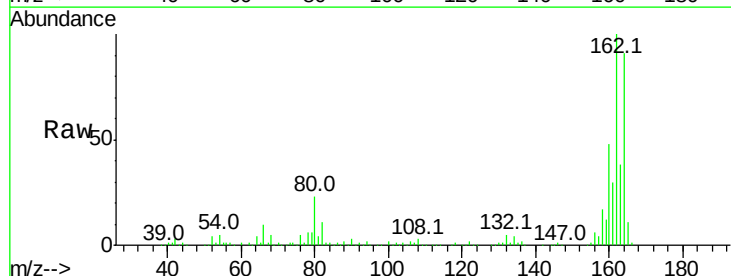
Ion Ratio Lower Upper

165 100

63 3.0 25.4 38.0#

89 4.4 46.4 69.6#

182 0.0 1.8 2.6#

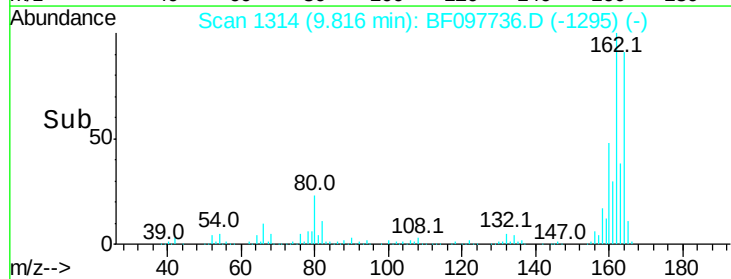
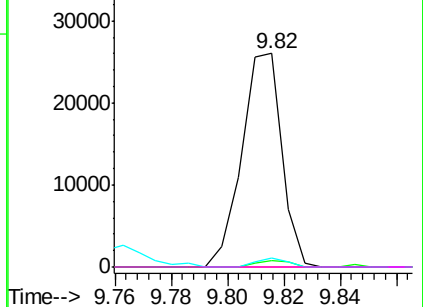


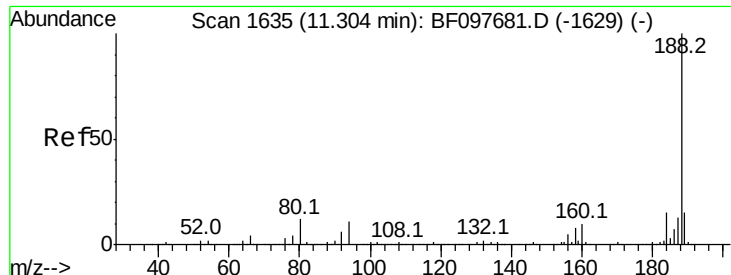
Abundance Ion 165.00 (164.70 to 165.70): E

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

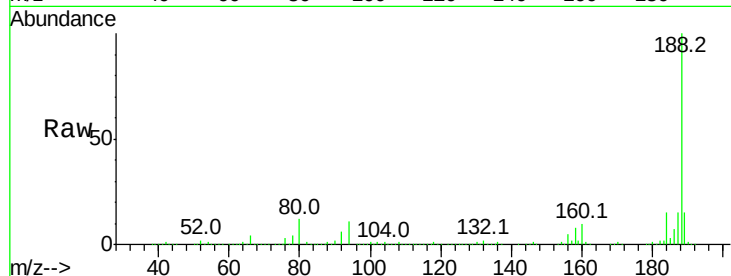




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097736.D
 Acq: 16 Aug 2017 13:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081117

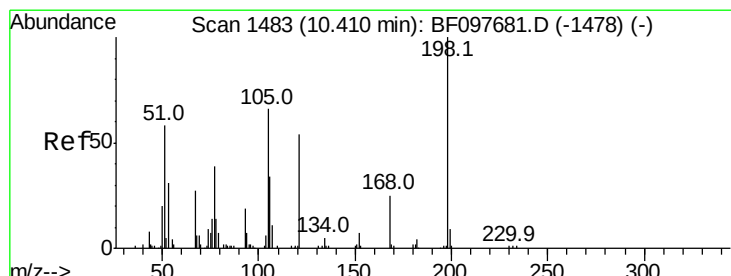
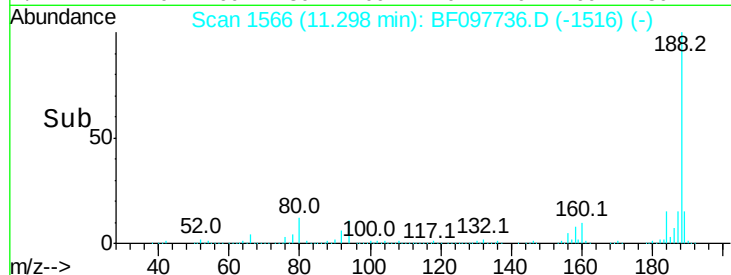
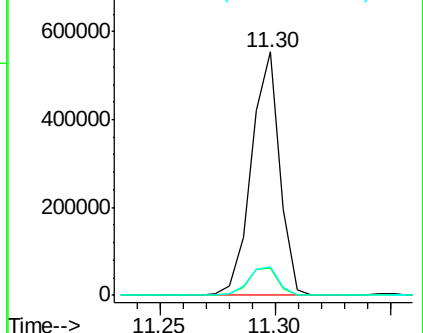
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	12.0	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

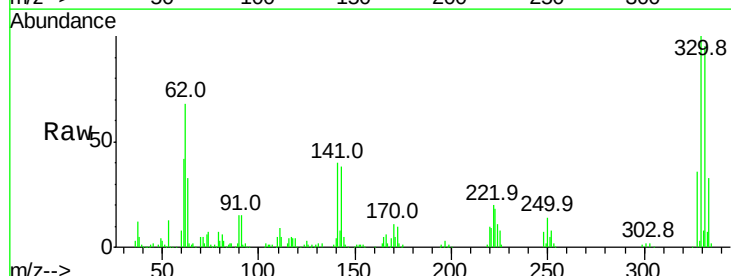
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.640 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF097736.D
 Acq: 16 Aug 2017 13:58

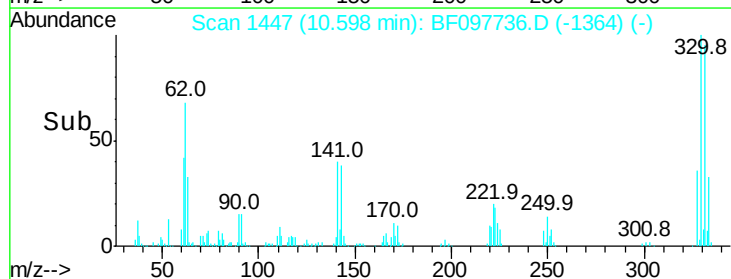
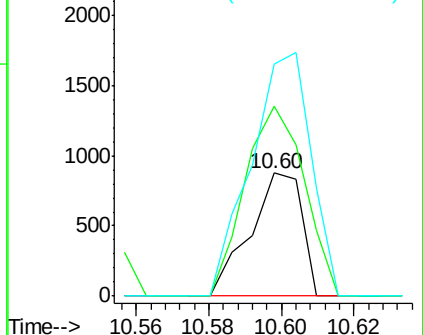
Tgt Ion	Ratio	Lower	Upper
198	100		
51	154.2	53.2	93.2#
105	188.8	45.8	85.8#

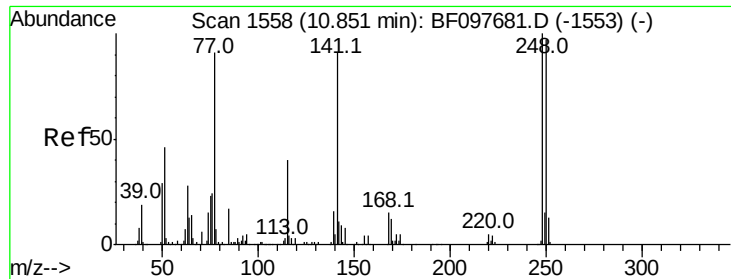


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

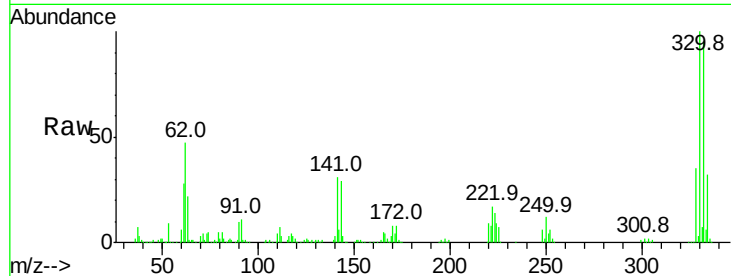




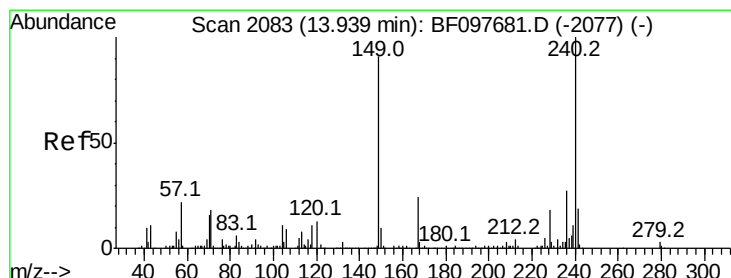
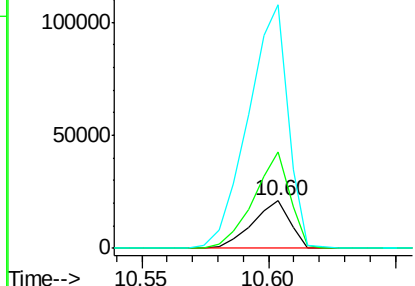
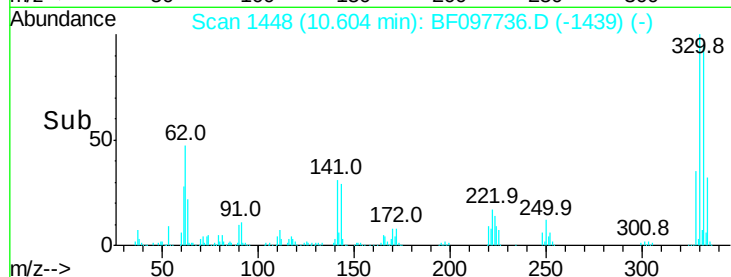
#66
4-Bromophenyl-phenylether
Concen: 4.351 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Instrument :
BNA_F
ClientSampleId :
SU-02-081117

Tot Ion:248 Resp: 21414
Ion Ratio Lower Upper
248 100
250 203.7 76.8 115.2#
141 513.1 68.6 103.0#

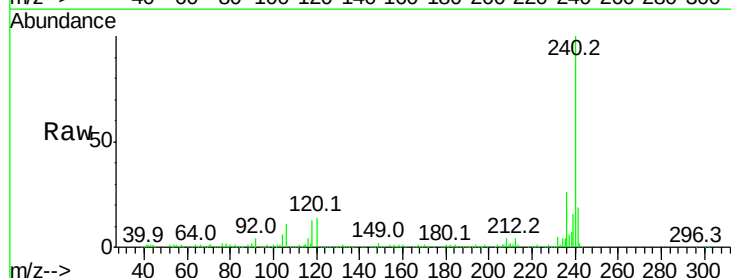


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

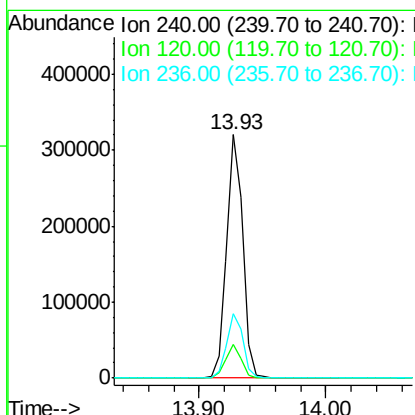
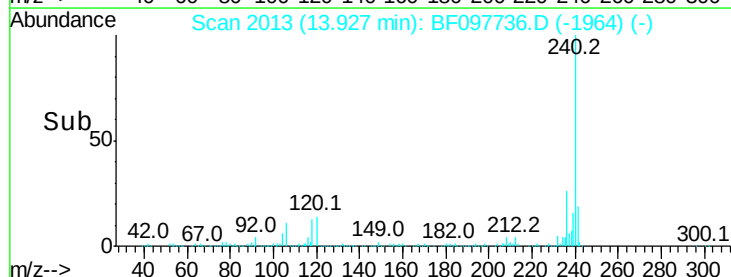


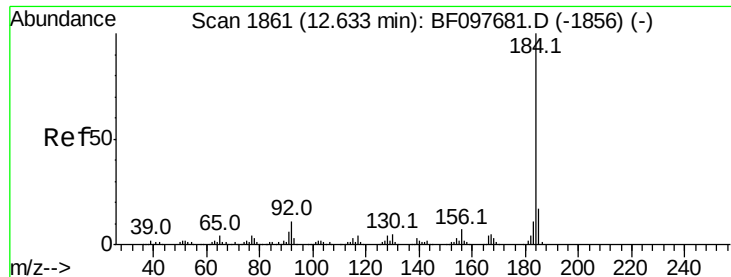
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF097736.D
Acq: 16 Aug 2017 13:58

Tgt Ion:240 Resp: 282994
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 26.4 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





#76

Benzidine

Concen: 2.055 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.26 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

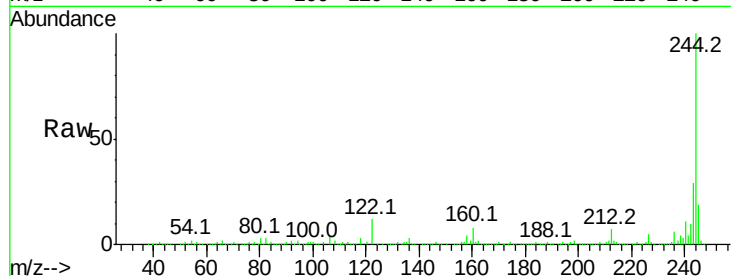
Tot Ion:184 Resp: 19064

Ion Ratio Lower Upper

184 100

185 19.9 15.5 23.3

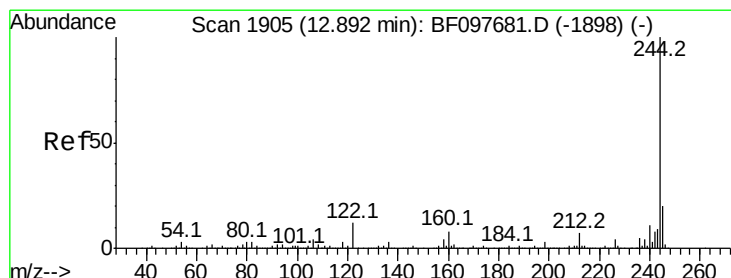
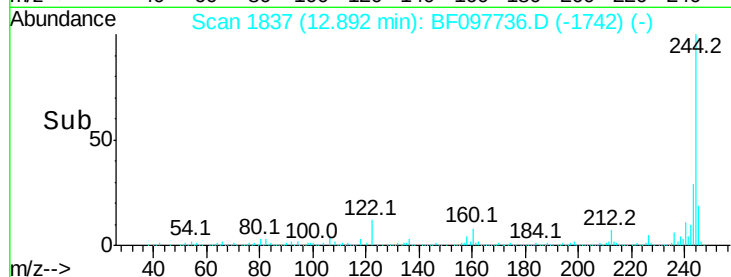
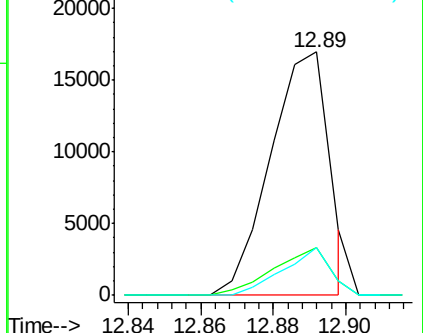
183 19.6 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 95.771 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

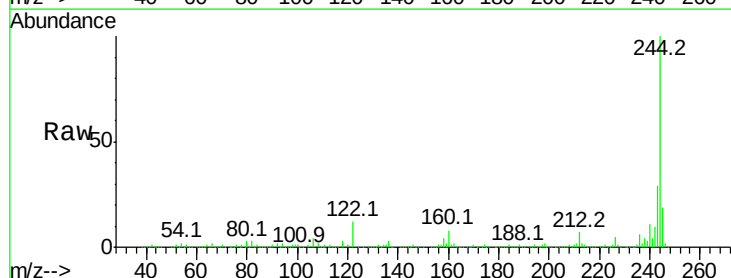
Tgt Ion:244 Resp: 1299673

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

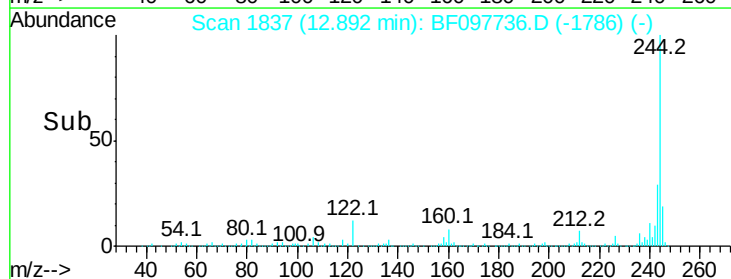
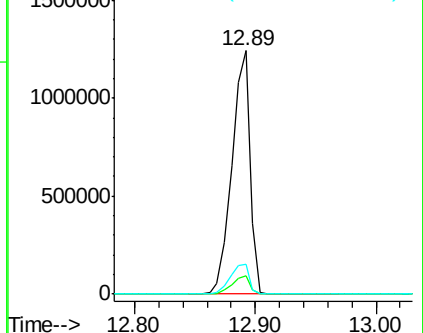
122 12.1 10.3 15.5

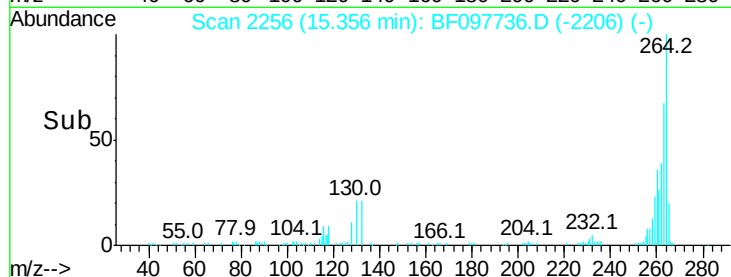
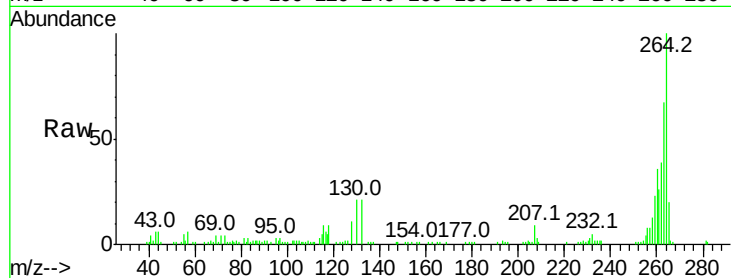
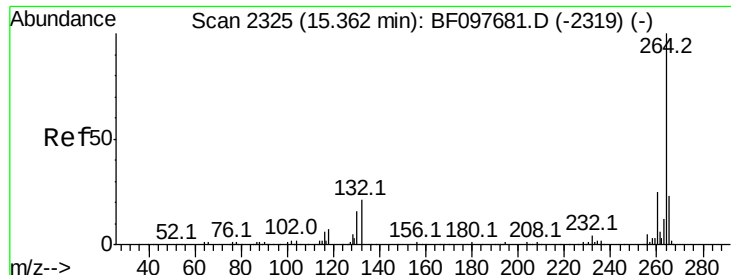


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097736.D

Acq: 16 Aug 2017 13:58

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

Tot Ion:264 Resp: 54611

Ion Ratio Lower Upper

264 100

260 35.9 19.5 29.3#

265 20.1 17.2 25.8

