

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097153.D
 Acq On : 28 Jul 2017 14:38
 Operator : SJ/JU
 Sample : I4397-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1C-14.5-15.0-072117

Quant Time: Jul 28 16:15:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

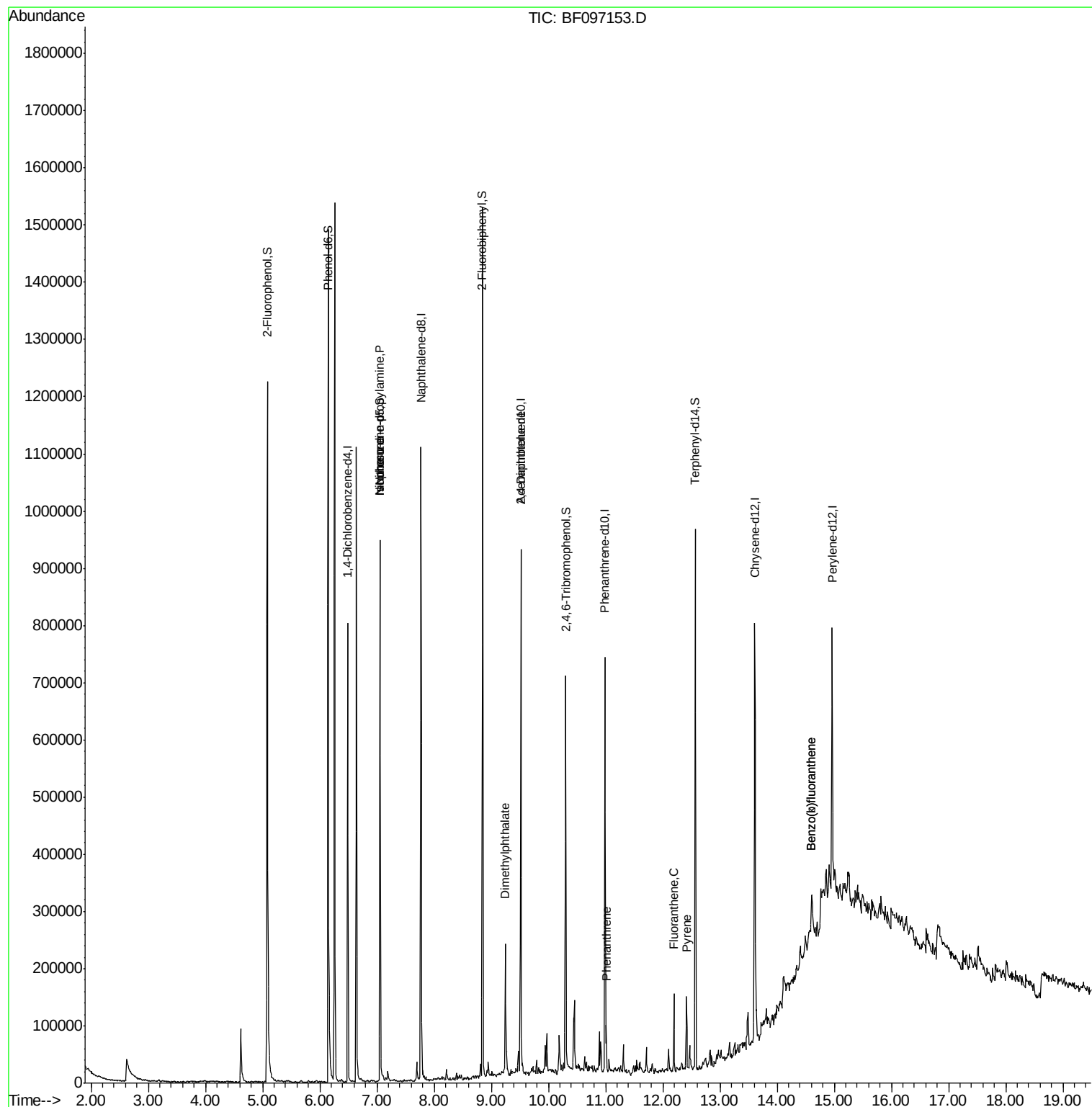
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	111258	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	454493	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	172593	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	234584	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	229633	20.00	ng	-0.02
86) Perylene-d12	14.96	264	175785	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	387785	52.54	ng	-0.02
7) Phenol-d6	6.15	99	458035	54.36	ng	-0.02
23) Nitrobenzene-d5	7.05	82	261101	33.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	67352	49.39	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	437659	43.03	ng	-0.02
78) Terphenyl-d14	12.57	244	264028	23.44	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.05	70	34482	6.218	ng	# 84
25) Isophorone	7.05	82	260908	17.196	ng	# 67
49) Dimethylphthalate	9.25	163	81425	6.213	ng	99
56) 2,4-Dinitrotoluene	9.52	165	22212	6.951	ng	# 33
70) Phenanthrene	11.01	178	27055	2.153	ng	100
74) Fluoranthene	12.19	202	49123	3.989	ng	99
77) Pyrene	12.42	202	45761	2.434	ng	98
87) Benzo(b)fluoranthene	14.60	252	35603	3.369	ng	# 93
88) Benzo(k)fluoranthene	14.60	252	35603	3.536	ng	97

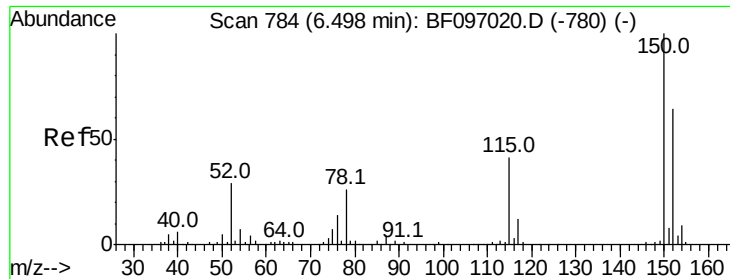
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097153.D
Acq On : 28 Jul 2017 14:38
Operator : SJ/JU
Sample : I4397-06 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-1C-14.5-15.0-072117

Quant Time: Jul 28 16:15:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



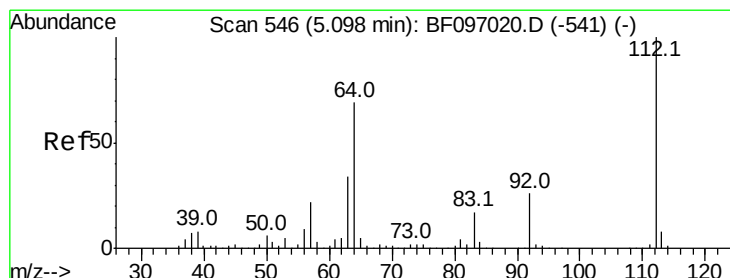
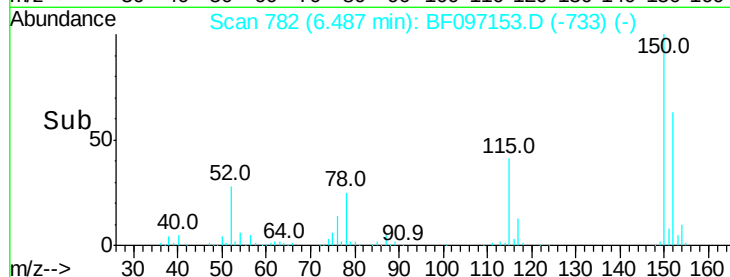
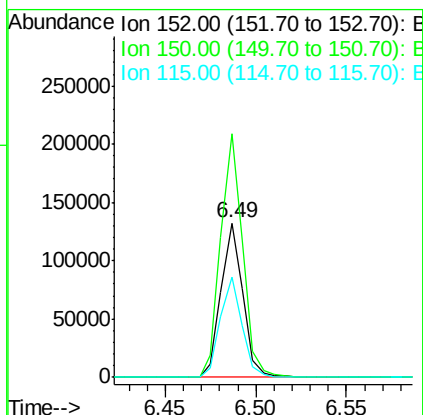
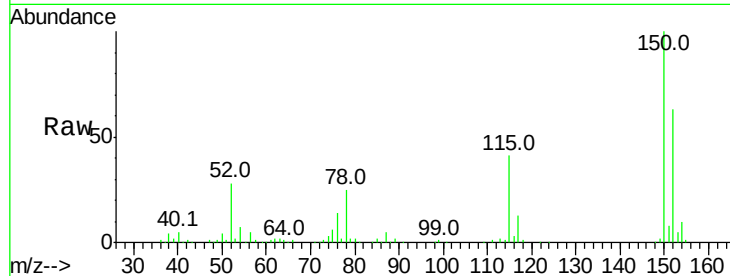


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1C-14.5-15.0-072117

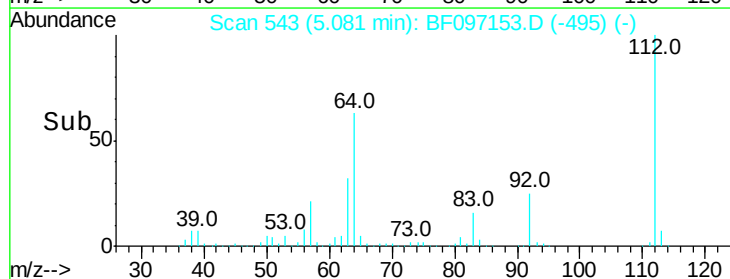
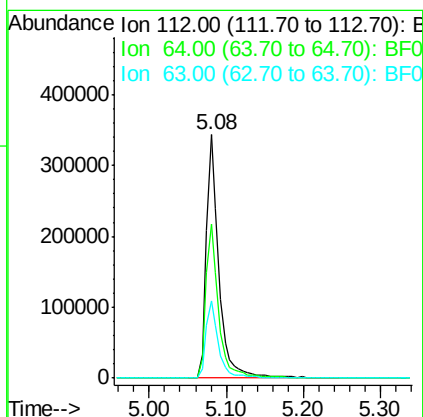
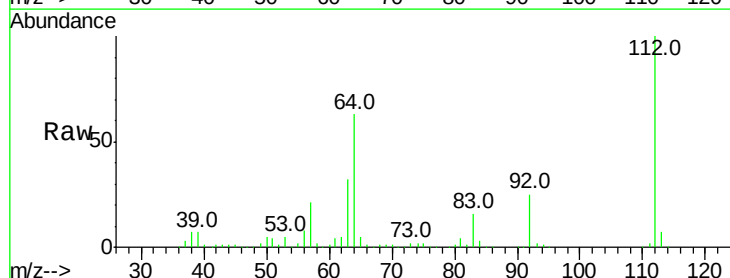
Tot Ion:152 Resp: 111258
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.2 189.2
 115 64.9 52.2 78.2

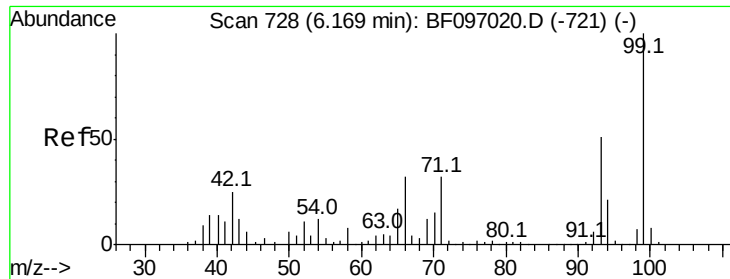


#5

2-Fluorophenol
 Concen: 52.543 ng
 RT: 5.08 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Tgt Ion:112 Resp: 387785
 Ion Ratio Lower Upper
 112 100
 64 63.3 46.0 69.0
 63 31.9 23.4 35.0





#7

Phenol-d6

Concen: 54.363 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

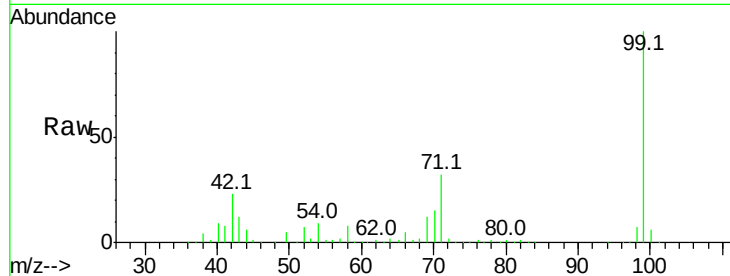
Tot Ion: 99 Resp: 458035

Ion Ratio Lower Upper

99 100

42 23.1 13.5 20.3#

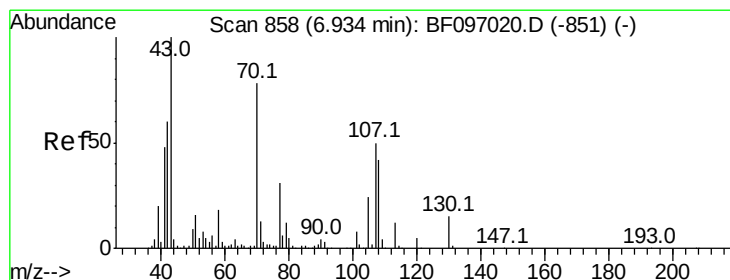
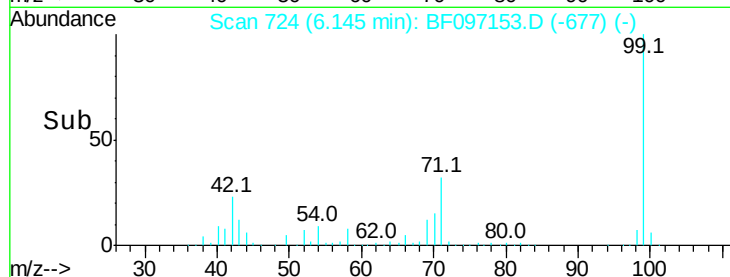
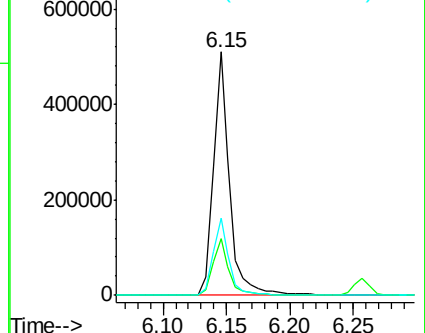
71 31.7 24.5 36.7



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: 6.218 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Tgt Ion: 70 Resp: 34482

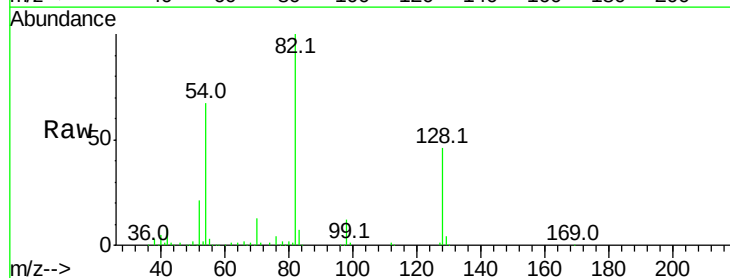
Ion Ratio Lower Upper

70 100

42 64.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

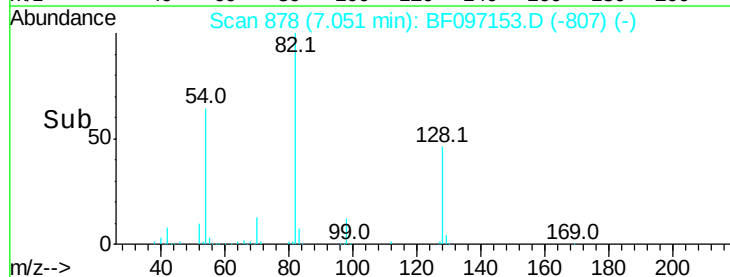
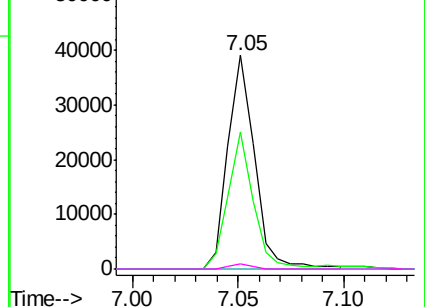


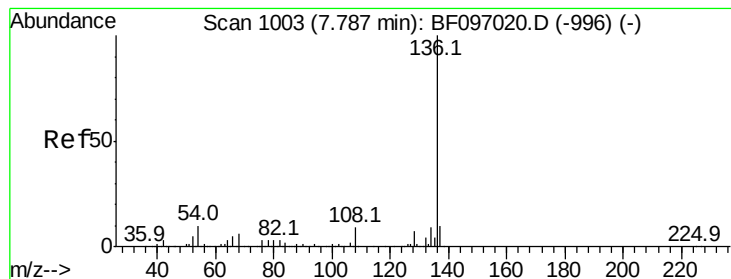
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

Tot Ion:136 Resp: 454493

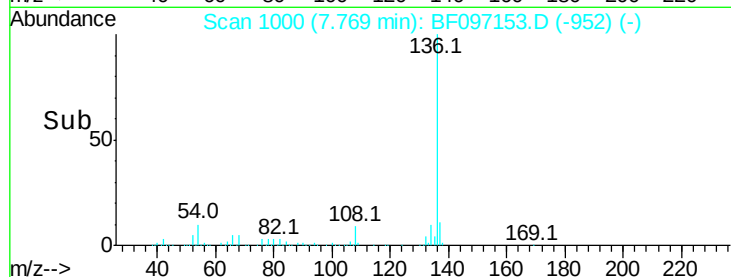
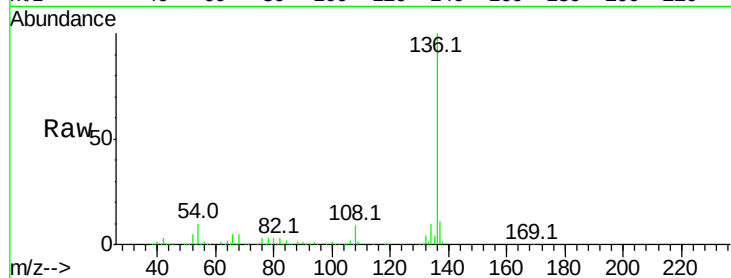
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.2 4.9 7.3#

68 5.4 4.1 6.1

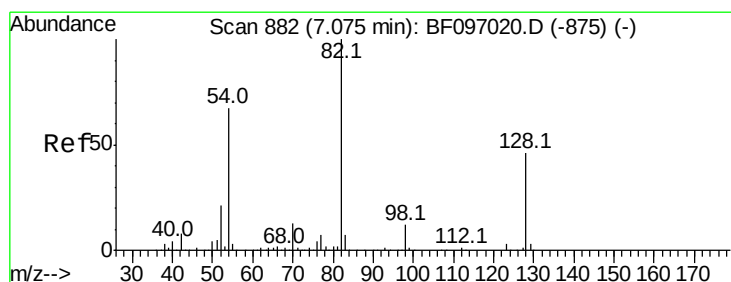
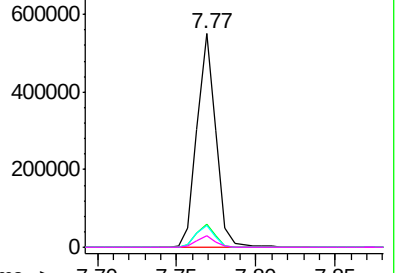


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.702 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

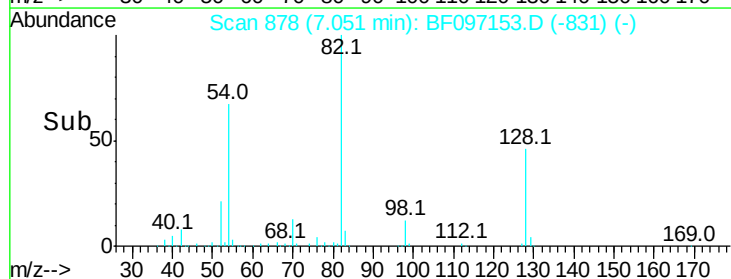
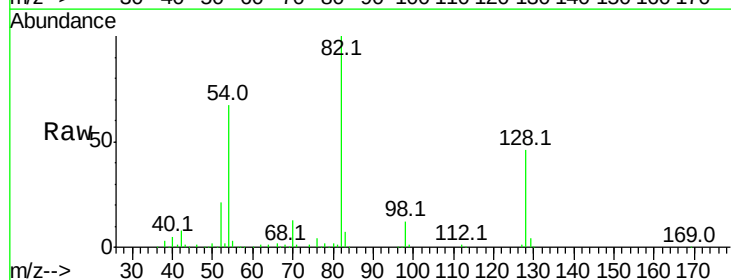
Tgt Ion: 82 Resp: 261101

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

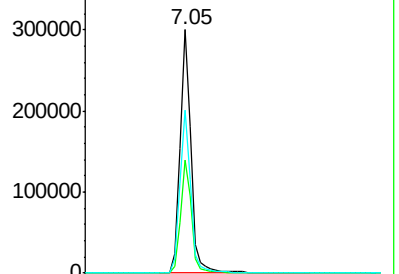
54 67.0 42.2 63.2#

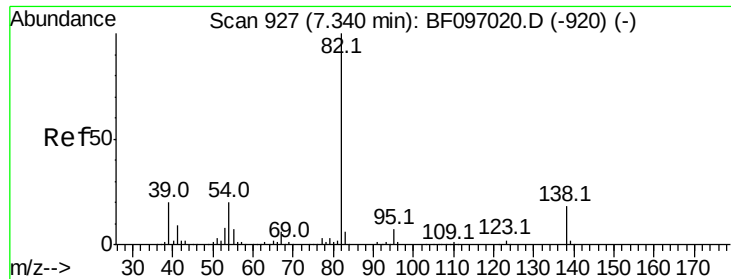


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 17.196 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

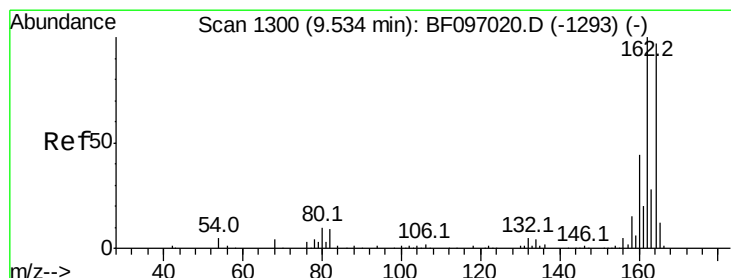
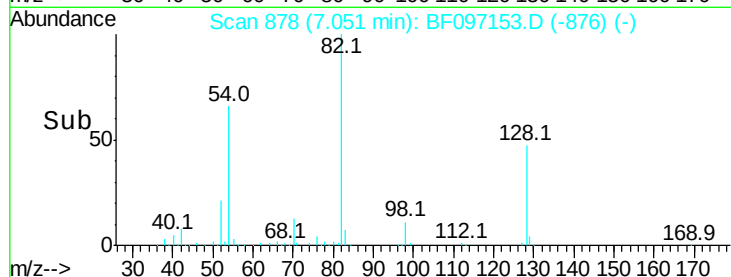
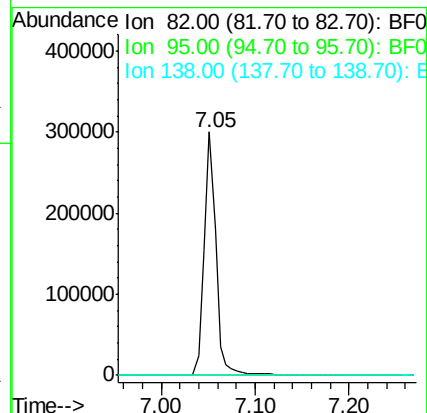
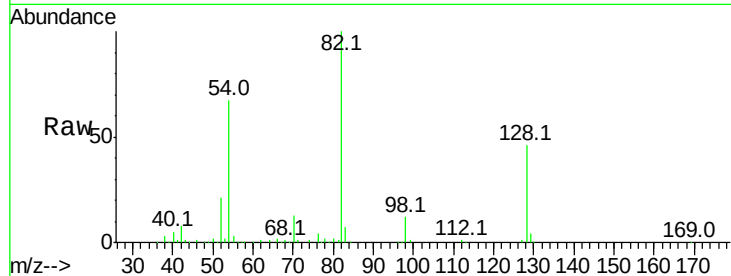
Tot Ion: 82 Resp: 260908

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

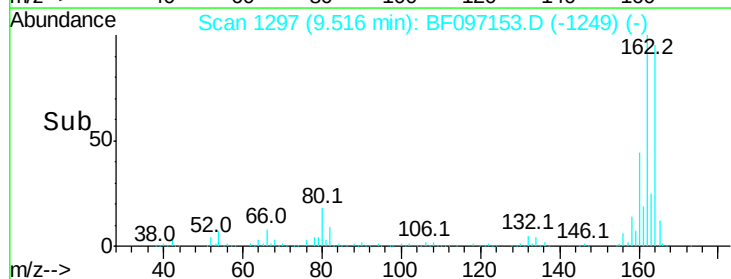
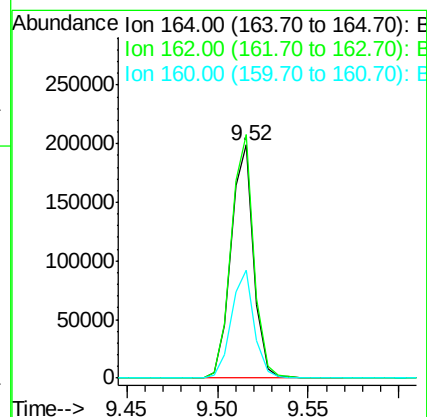
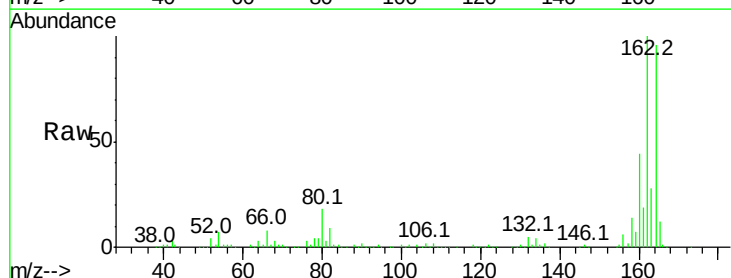
Tgt Ion:164 Resp: 172593

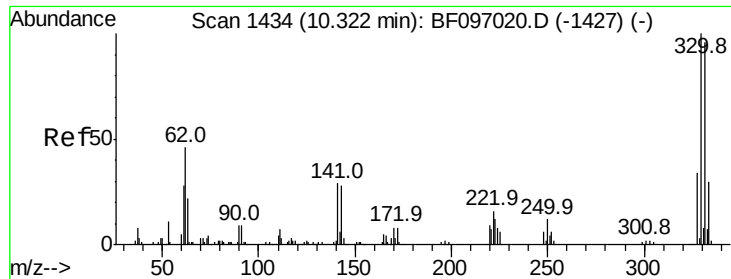
Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

160 46.3 36.2 54.2

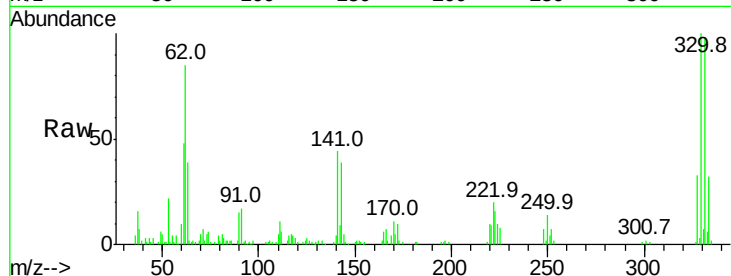




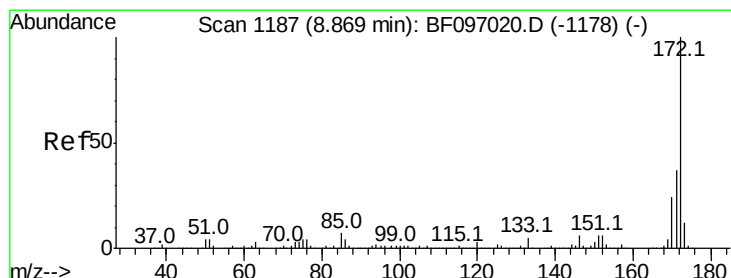
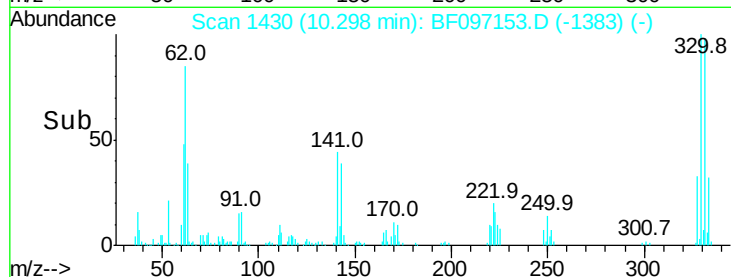
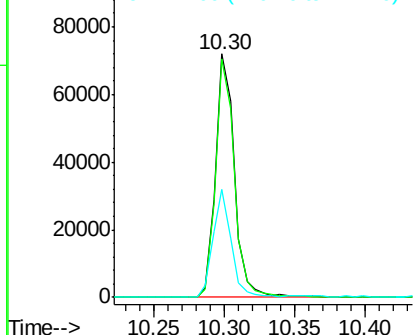
#41
 2,4,6-Tribromophenol
 Concen: 49.391 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1C-14.5-15.0-072117

Tot Ion:330 Resp: 67352
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 42.0 31.4 47.2

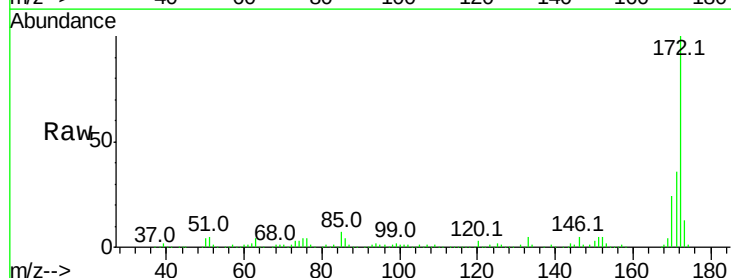


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

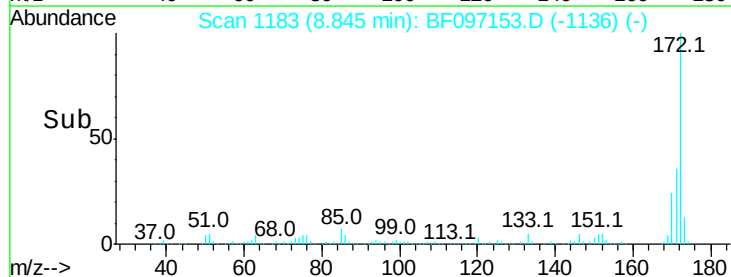
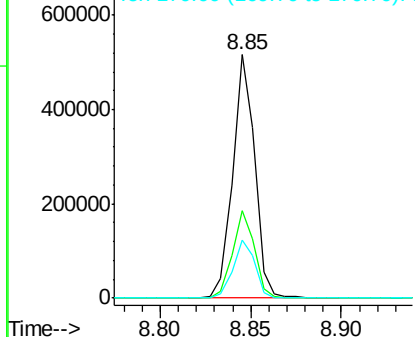


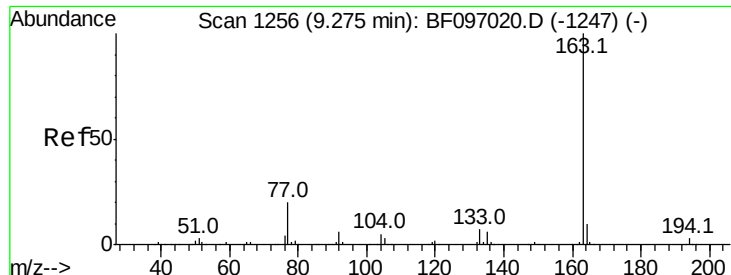
#44
 2-Fluorobiphenyl
 Concen: 43.035 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Tgt Ion:172 Resp: 437659
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.6 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





#49

Dimethylphthalate

Concen: 6.213 ng

RT: 9.25 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

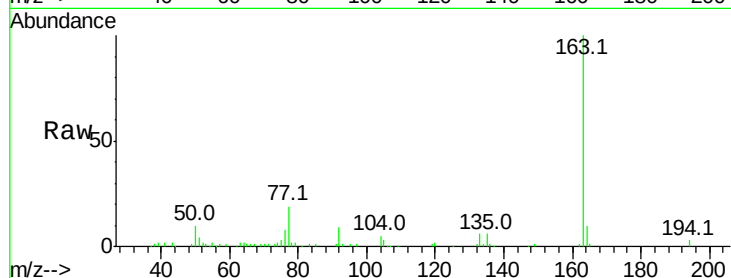
Tot Ion:163 Resp: 81425

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

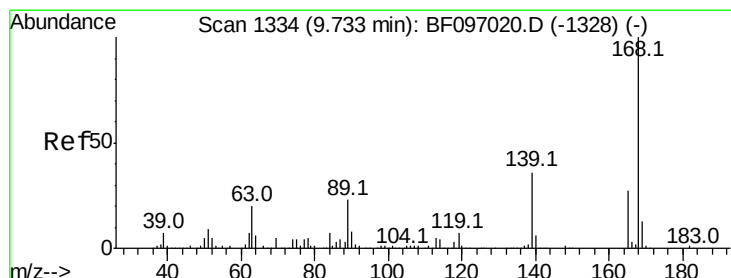
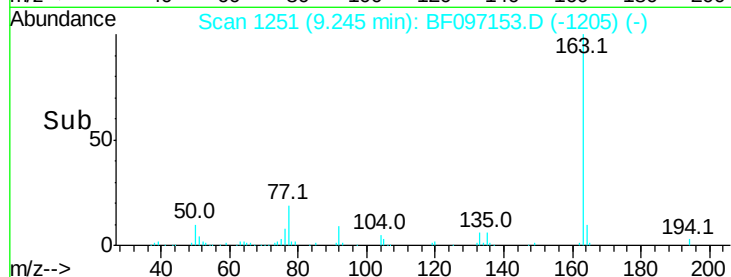
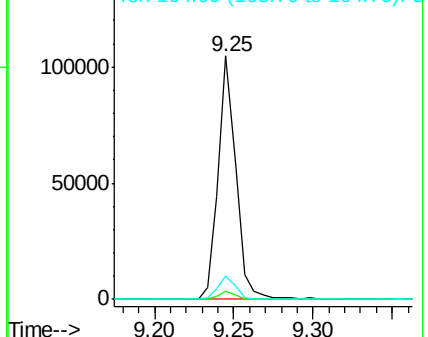
164 9.8 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.951 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Tgt Ion:165 Resp: 22212

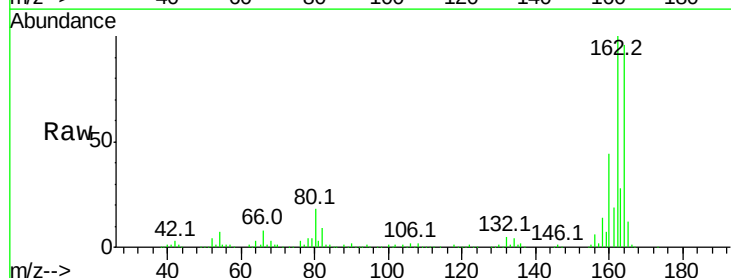
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

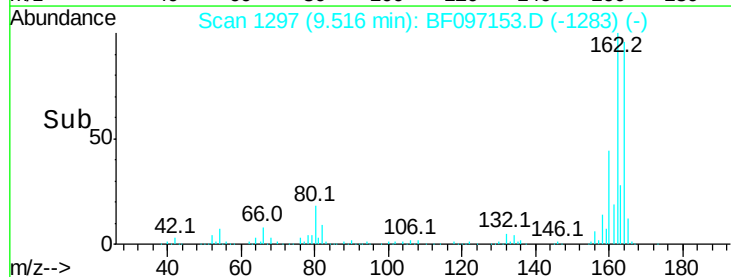
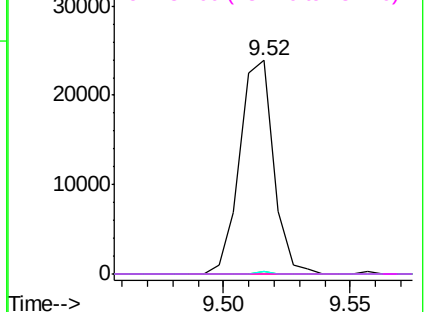


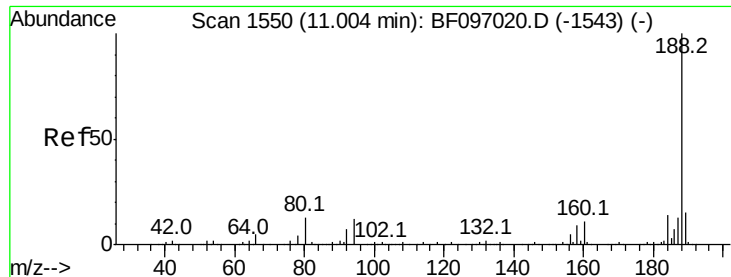
Abundance Ion 165.00 (164.70 to 165.70): E

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

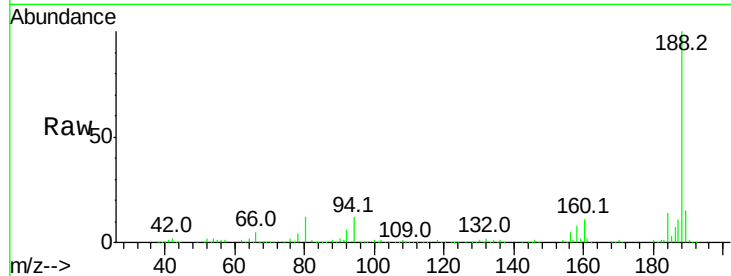




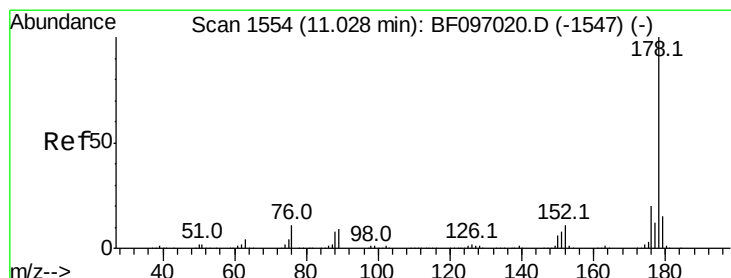
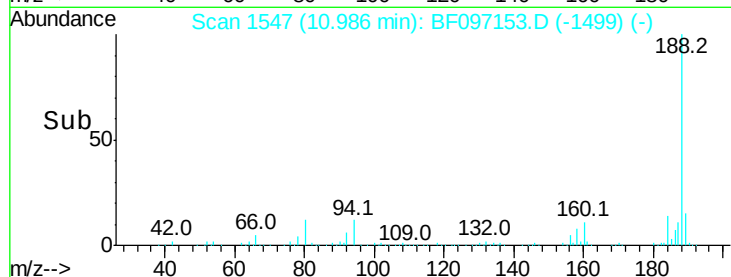
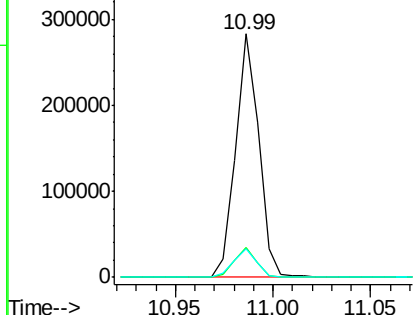
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097153.D
Acq: 28 Jul 2017 14:38

Instrument :
BNA_F
ClientSampleId :
T-1C-14.5-15.0-072117

Tot Ion:188 Resp: 234584
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.0 10.2 15.2

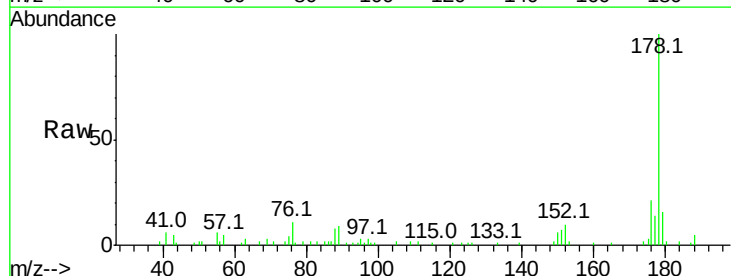


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

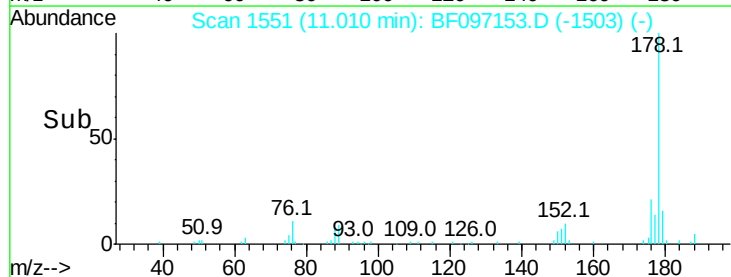
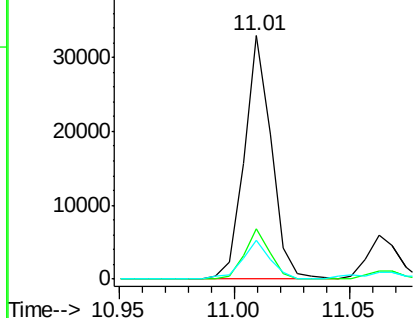


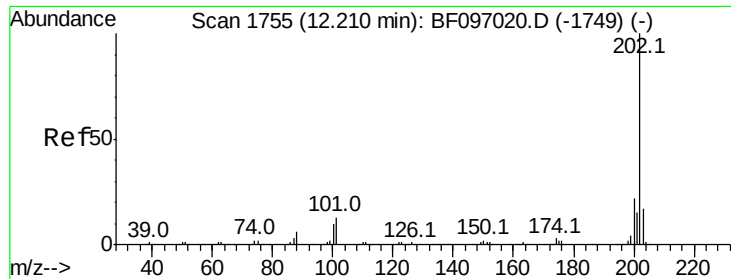
#70
Phenanthrene
Concen: 2.153 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097153.D
Acq: 28 Jul 2017 14:38

Tgt Ion:178 Resp: 27055
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

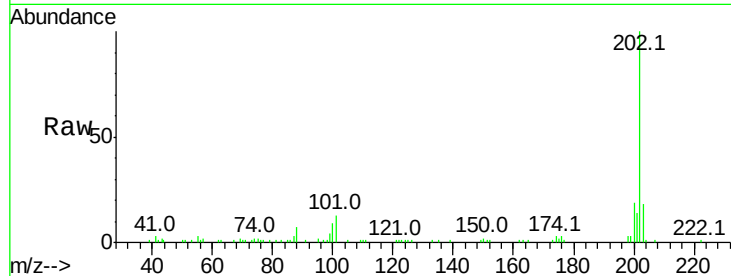




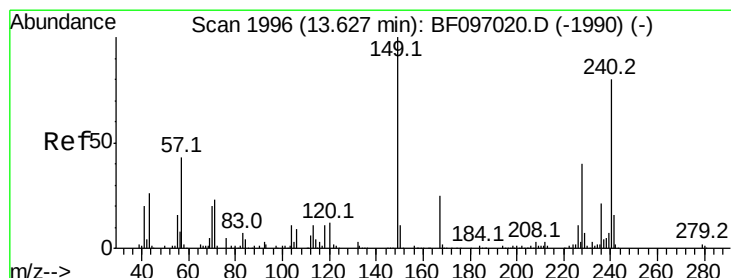
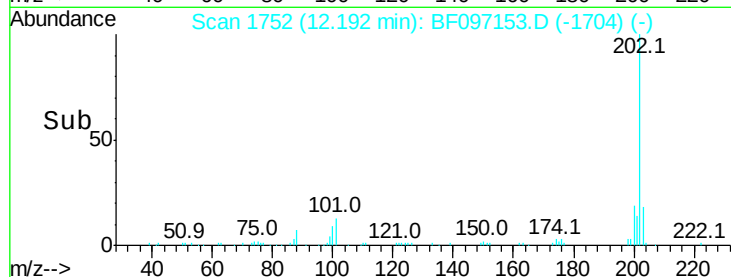
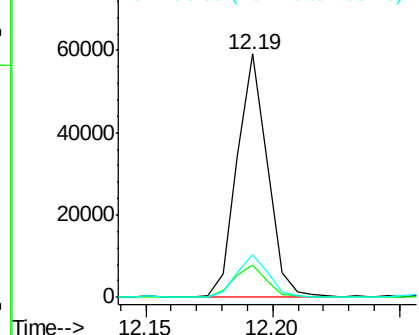
#74
 Fluoranthene
 Concen: 3.989 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Instrument :
 BNA_F
 ClientSampleId :
 T-1C-14.5-15.0-072117

Tot Ion:	202	Resp:	49123
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.5	0.0	38.1

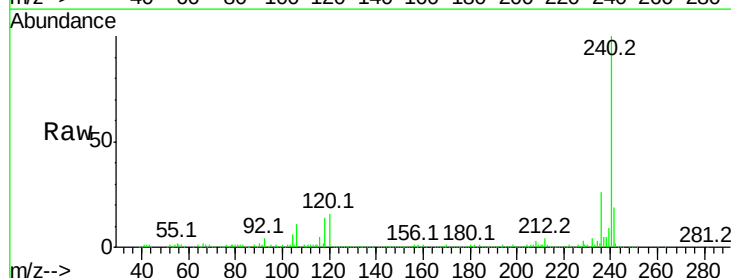


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

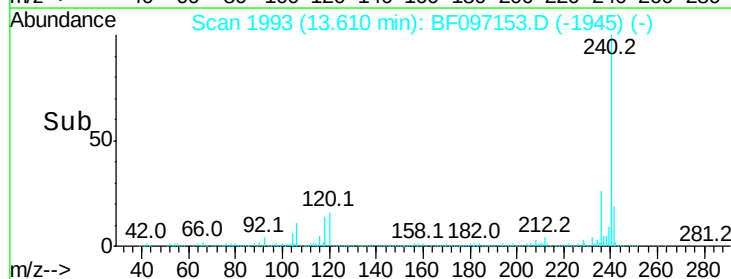
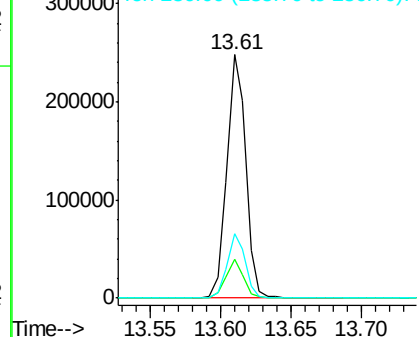


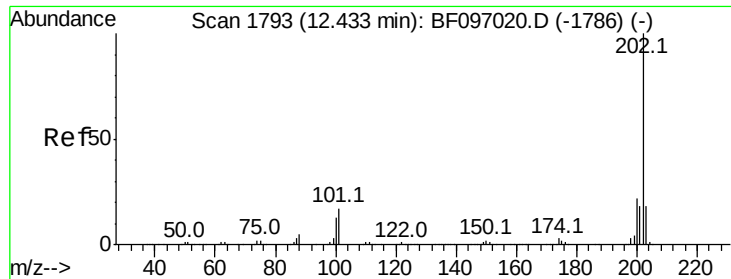
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.61 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097153.D
 Acq: 28 Jul 2017 14:38

Tgt Ion:	240	Resp:	229633
Ion	Ratio	Lower	Upper
240	100		
120	15.7	5.8	8.8#
236	26.2	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





#77

Pvrene

Concen: 2.434 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

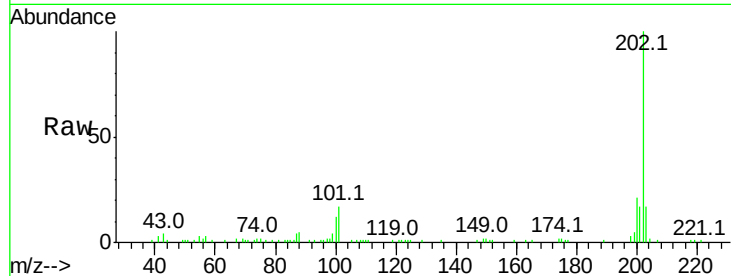
Tot Ion:202 Resp: 45761

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

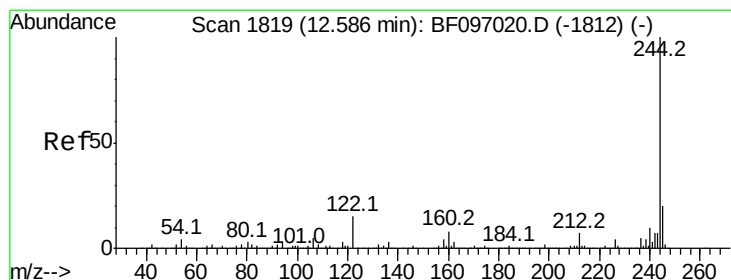
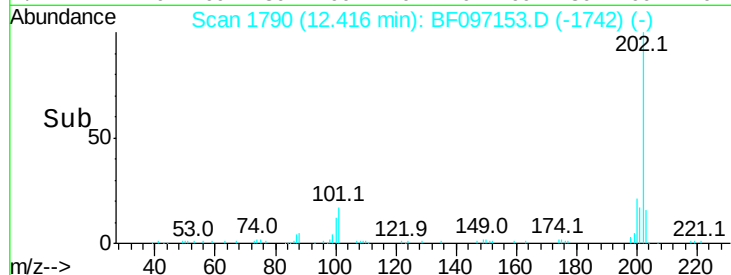
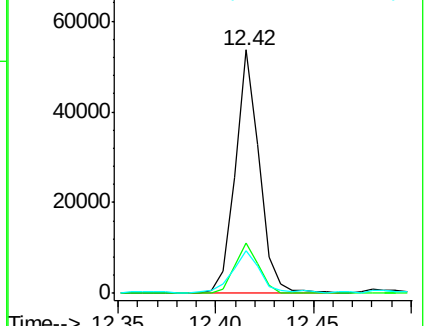
203 17.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 23.442 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

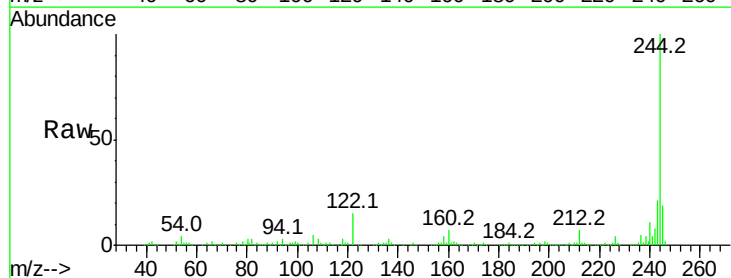
Tgt Ion:244 Resp: 264028

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

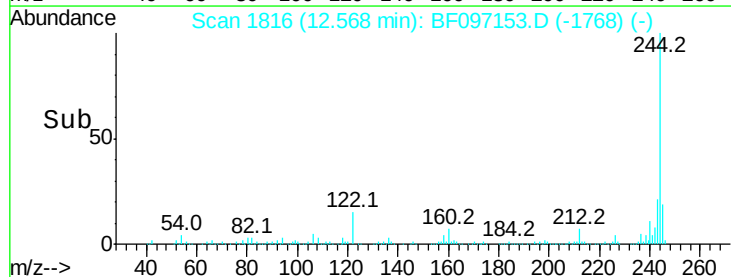
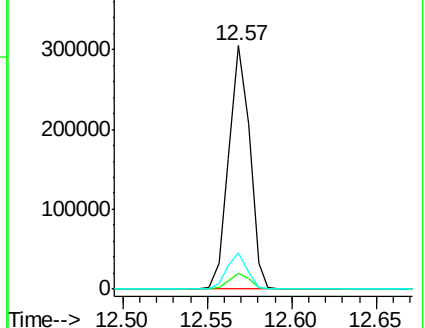
122 15.0 10.3 15.5

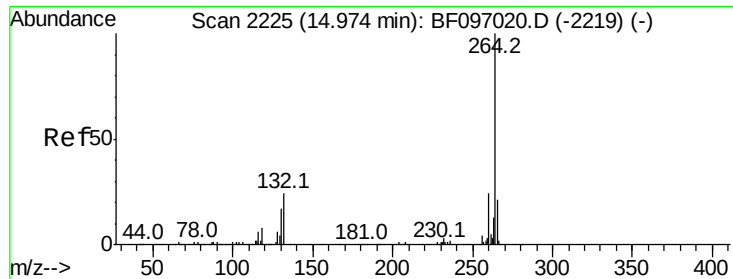


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

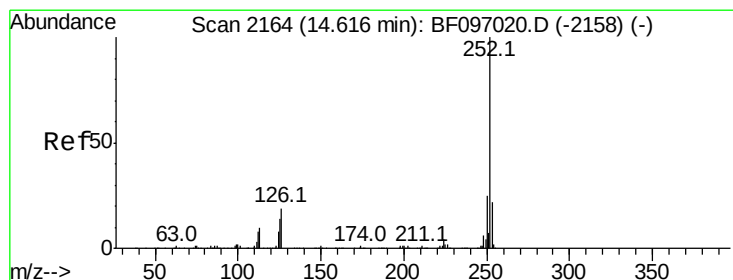
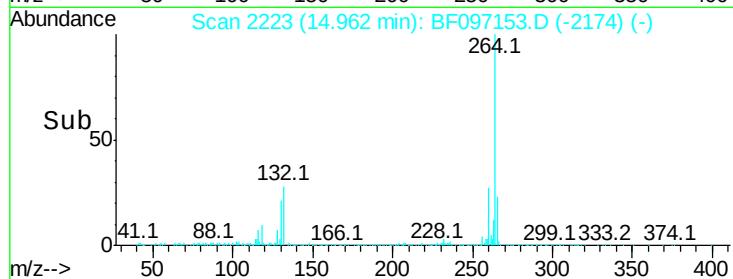
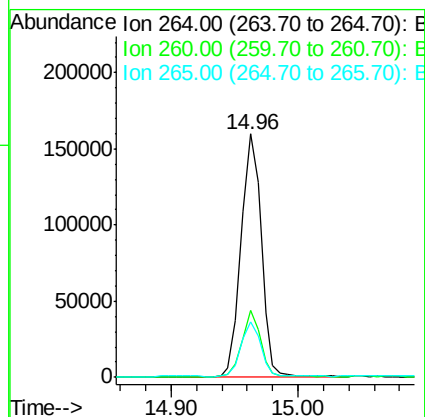
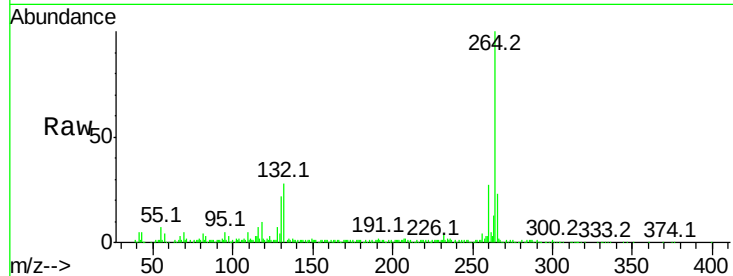




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097153.D
Acq: 28 Jul 2017 14:38

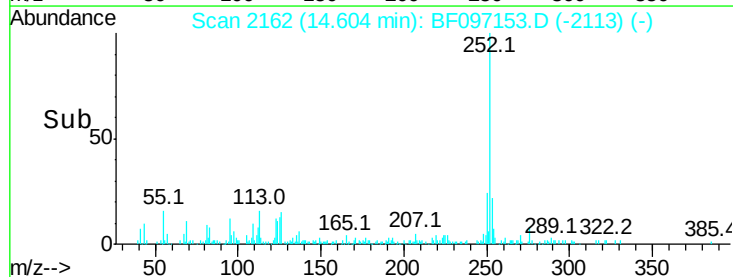
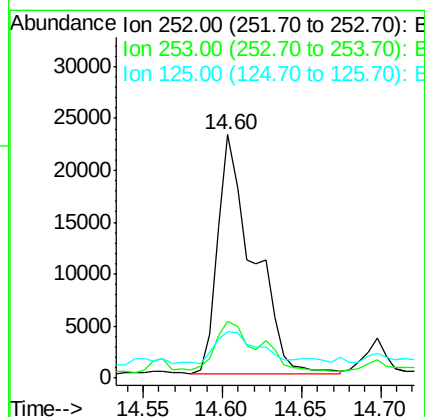
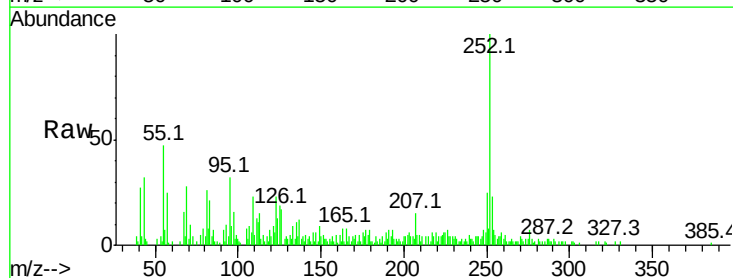
Instrument :
BNA_F
ClientSampleId :
T-1C-14.5-15.0-072117

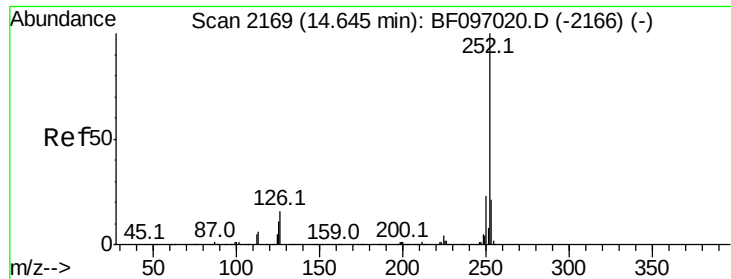
Tot Ion:264 Resp: 175785
Ion Ratio Lower Upper
264 100
260 27.3 19.5 29.3
265 23.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.369 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097153.D
Acq: 28 Jul 2017 14:38

Tgt Ion:252 Resp: 35603
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 19.3 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.536 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097153.D

Acq: 28 Jul 2017 14:38

Instrument :

BNA_F

ClientSampleId :

T-1C-14.5-15.0-072117

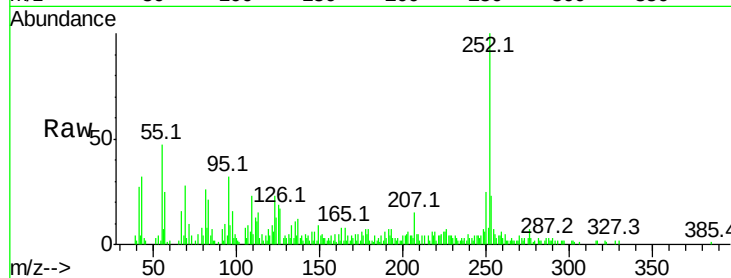
Tot Ion:252 Resp: 35603

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 19.3 13.1 19.7



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

