

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097300.D
 Acq On : 3 Aug 2017 5:31
 Operator : SJ/JU
 Sample : I4493-04 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 05:58:59 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

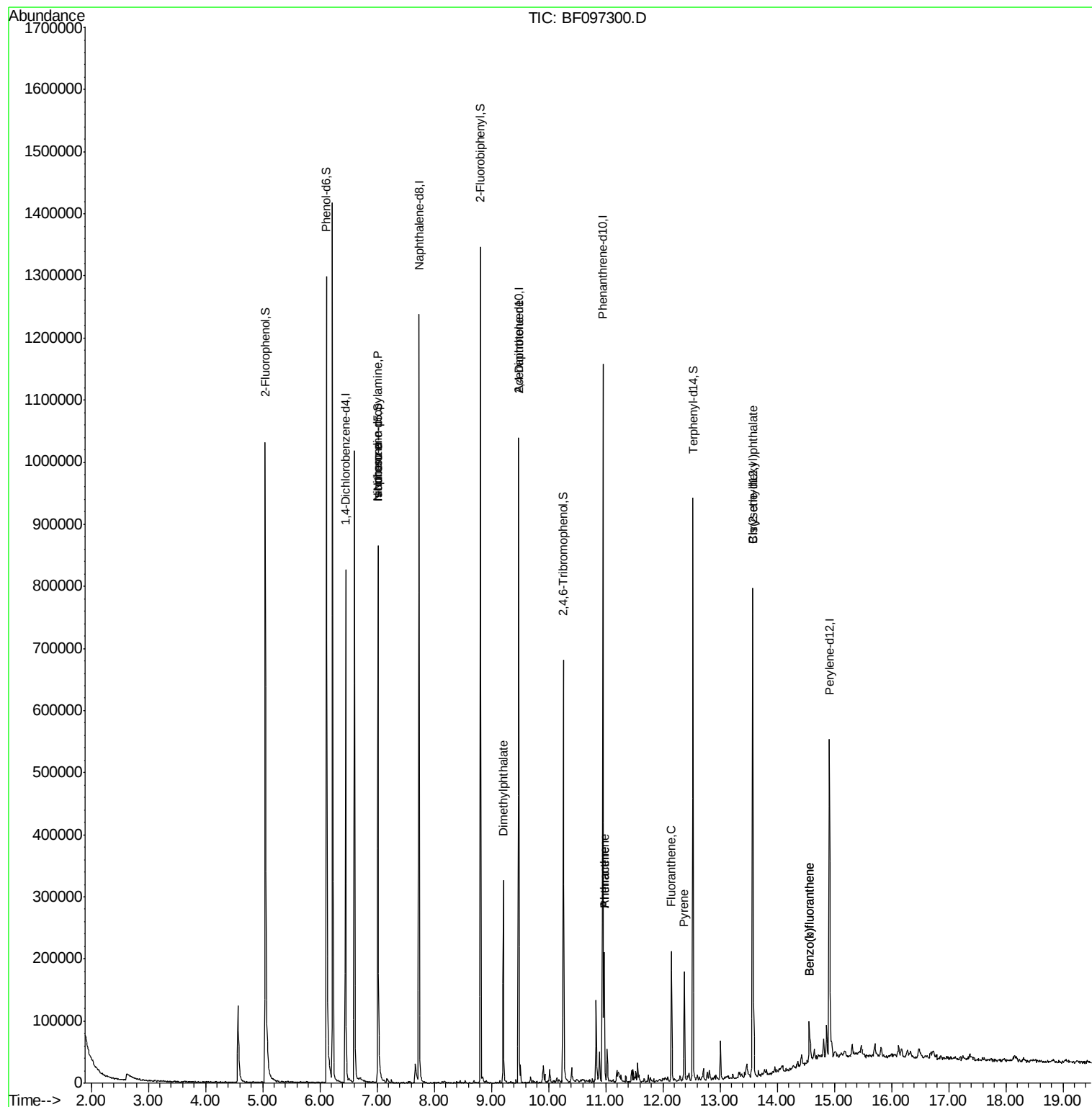
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	128133	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	516684	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	204513	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	376695	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	229000	20.00	ng	-0.06
86) Perylene-d12	14.92	264	191498	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	360241	42.38	ng	-0.05
7) Phenol-d6	6.12	99	450502	46.43	ng	-0.05
23) Nitrobenzene-d5	7.02	82	260631	29.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	72749	45.02	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	378890	31.44	ng	-0.06
78) Terphenyl-d14	12.53	244	259576	23.11	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	33306	5.21	ng	# 85
25) Isophorone	7.02	82	258442	14.98	ng	# 67
49) Dimethylphthalate	9.21	163	122046	7.86	ng	98
56) 2,4-Dinitrotoluene	9.47	165	25556	6.75	ng	# 33
70) Phenanthrene	10.97	178	80530	3.99	ng	95
71) Anthracene	10.97	178	80530	3.90	ng	96
74) Fluoranthene	12.15	202	83380	4.22	ng	99
77) Pyrene	12.38	202	69019	3.68	ng	98
83) Bis(2-ethylhexyl)phthalate	13.58	149	46182	3.71	ng	# 96
87) Benzo(b)fluoranthene	14.56	252	35824	3.11	ng	# 95
88) Benzo(k)fluoranthene	14.56	252	35824	3.27	ng	99

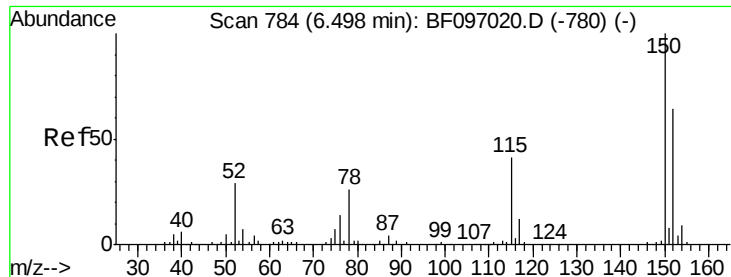
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097300.D
Acq On : 3 Aug 2017 5:31
Operator : SJ/JU
Sample : I4493-04 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 03 05:58:59 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



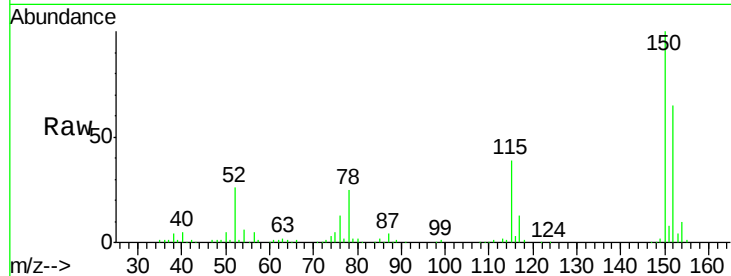


#1

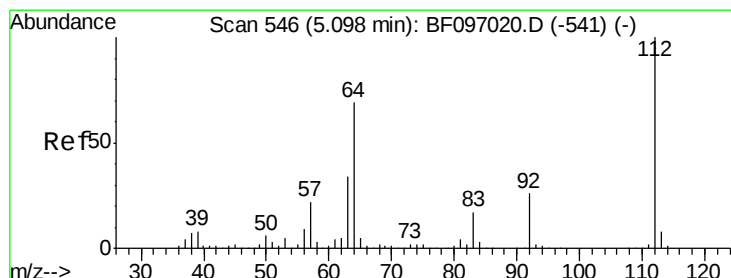
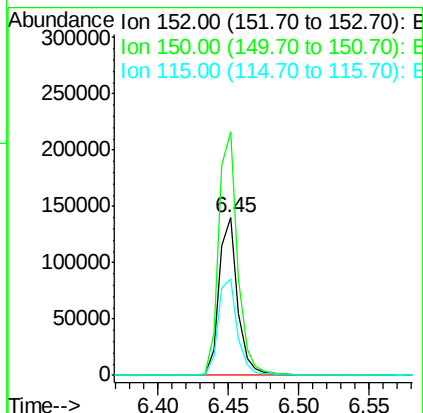
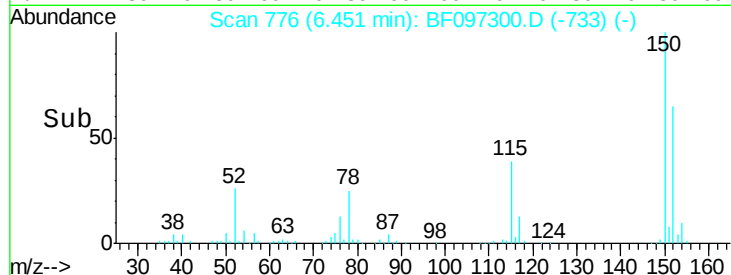
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	60.7	52.2	78.2



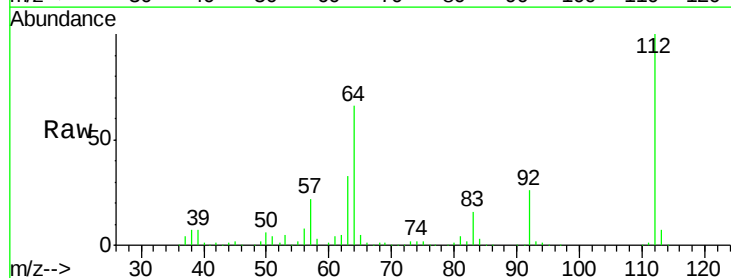
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



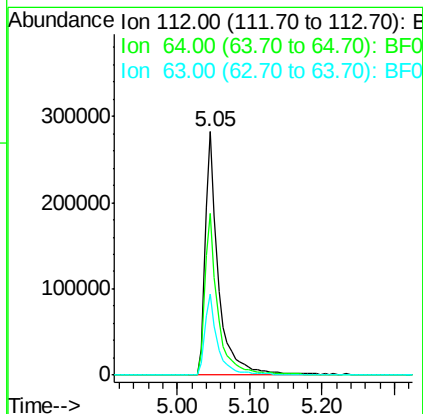
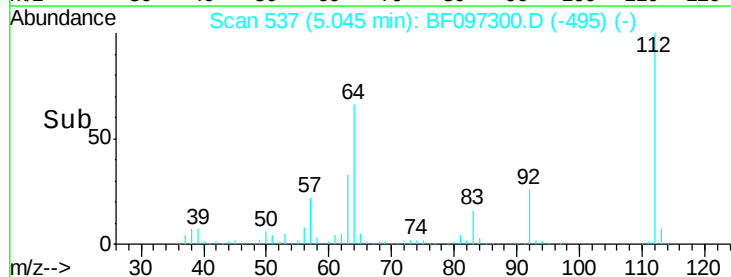
#5

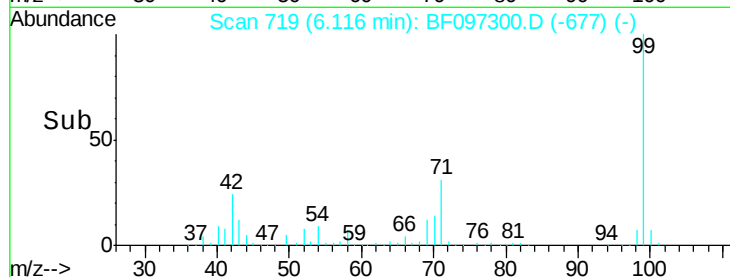
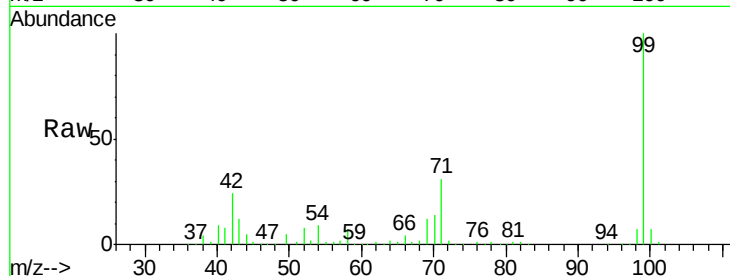
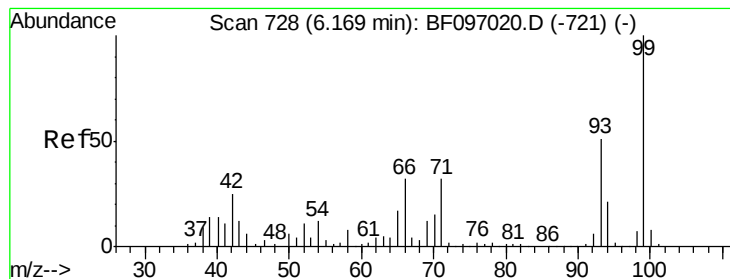
2-Fluorophenol
Concen: 42.38 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	33.1	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: 46.43 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

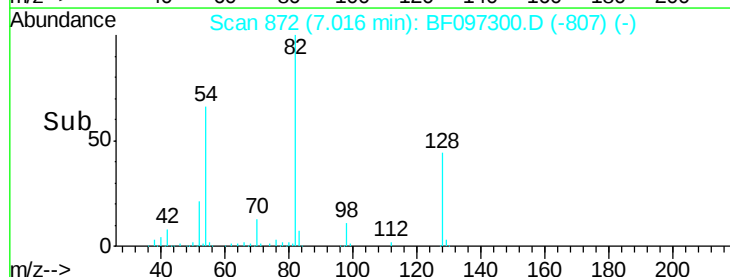
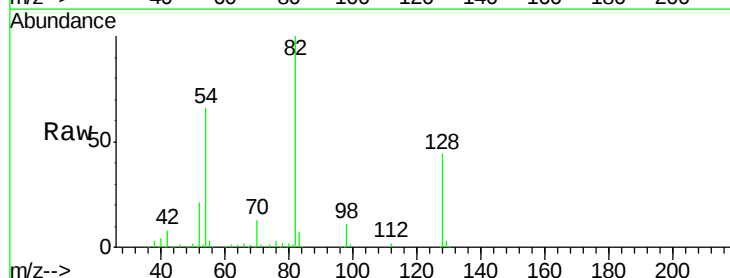
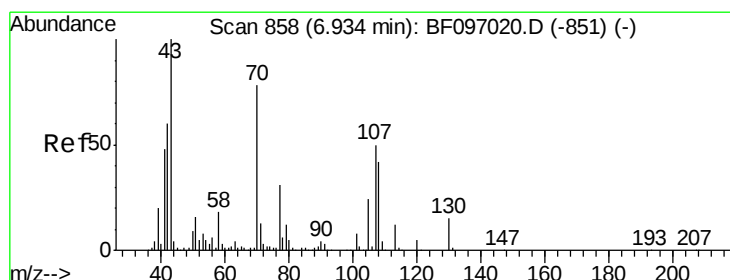
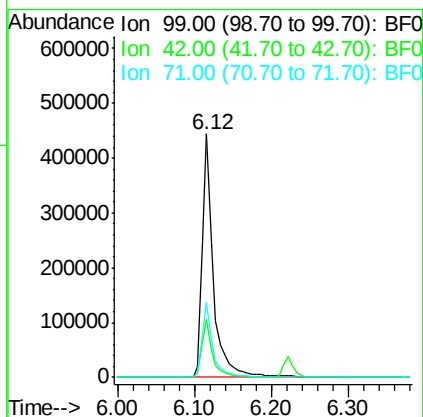
Tot Ion: 99 Resp: 450502

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

71 30.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.21 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Tgt Ion: 70 Resp: 33306

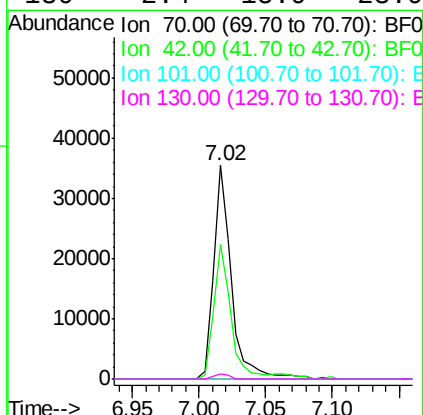
Ion Ratio Lower Upper

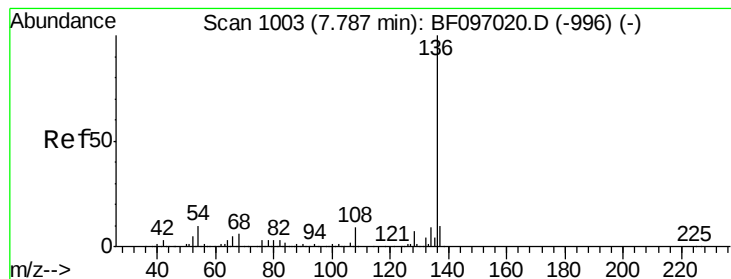
70 100

42 62.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097300.D

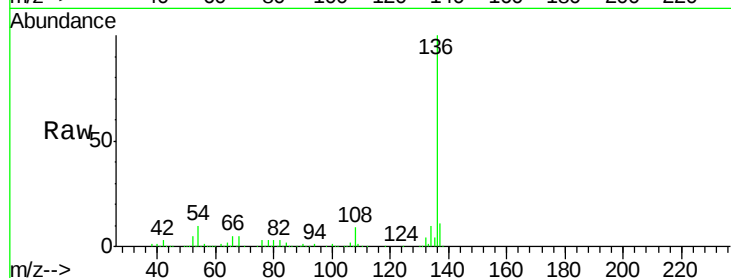
Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	516684
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.5 12.7
54	10.0	4.9 7.3#
68	5.4	4.1 6.1

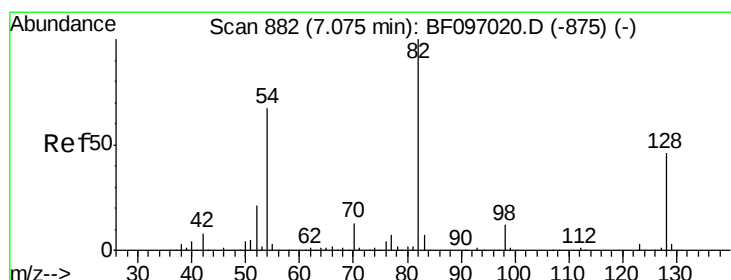
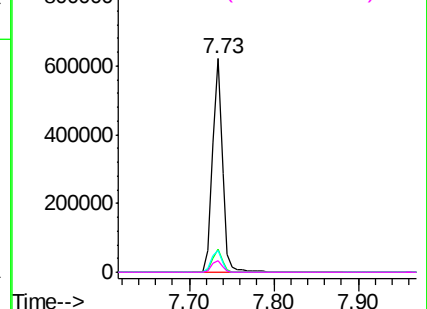
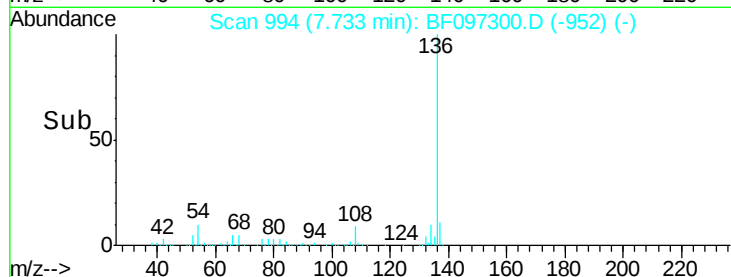


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.59 ng

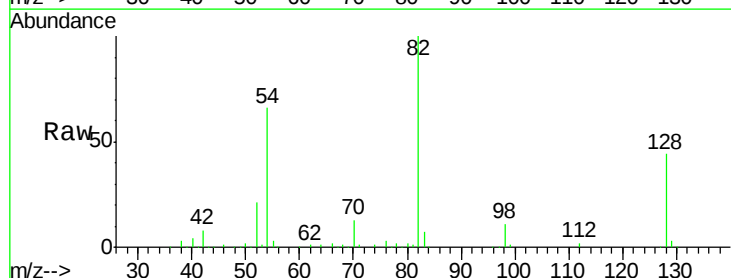
RT: 7.02 min Scan# 872

Delta R.T. -0.06 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

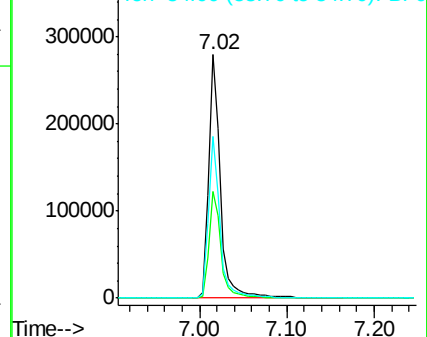
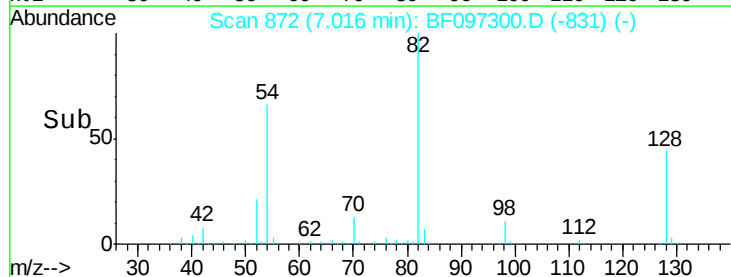
Tgt Ion: 82	Resp:	260631
Ion Ratio	Lower	Upper
82	100	
128	43.6	34.0 51.0
54	66.4	42.2 63.2#

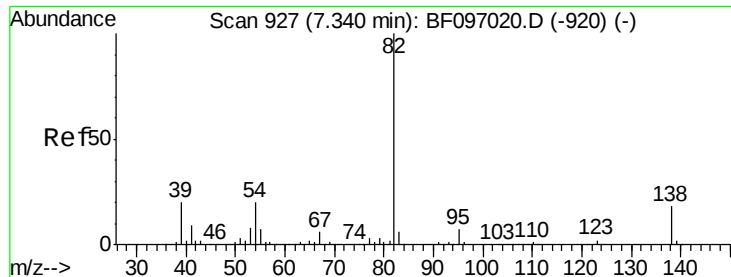


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

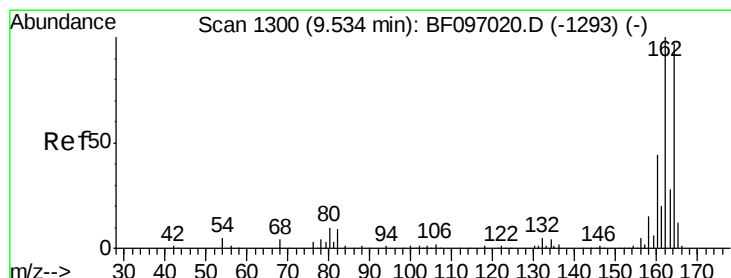
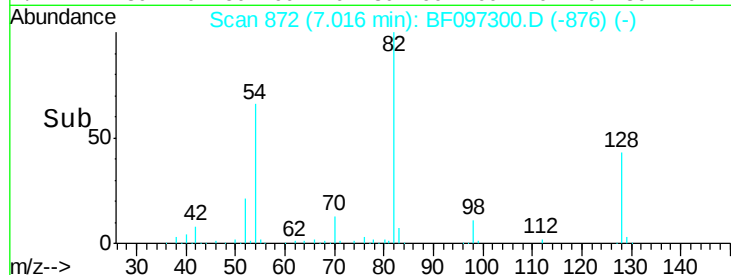
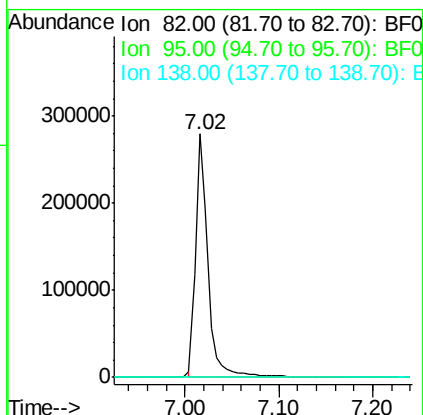
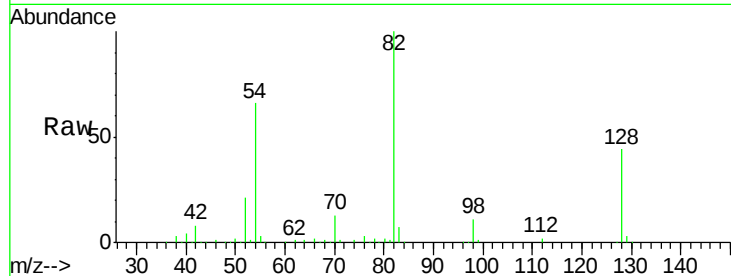




#25
Isophorone
Concen: 14.98 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.32 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

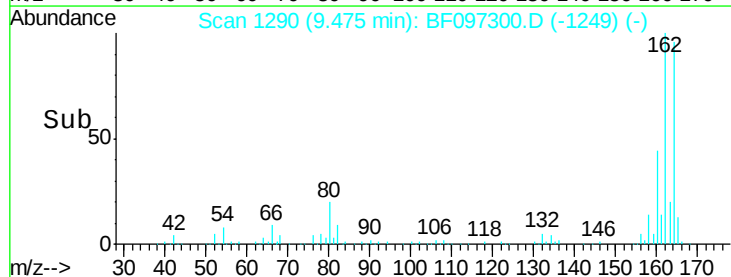
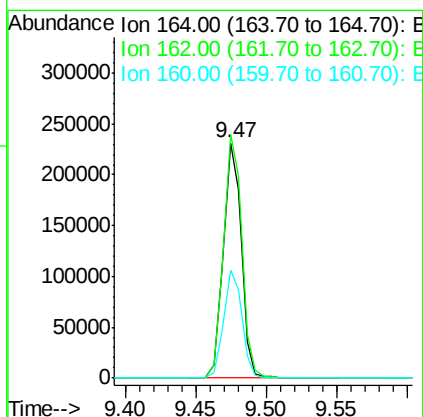
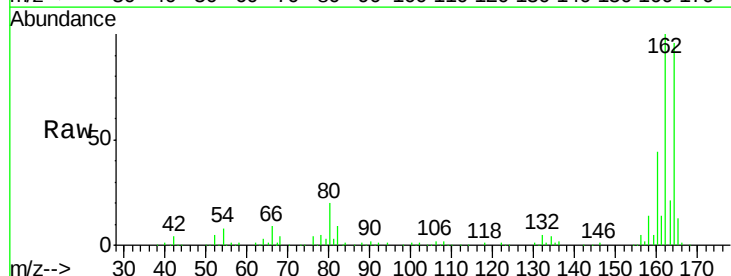
Instrument :
BNA_F
ClientSampleId :

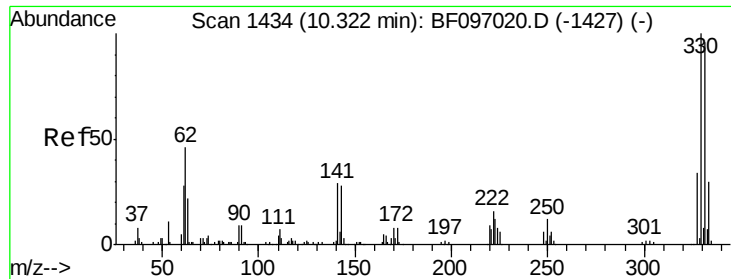
Tot Ion: 82 Resp: 258442
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Tgt Ion: 164 Resp: 204513
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 45.8 36.2 54.2

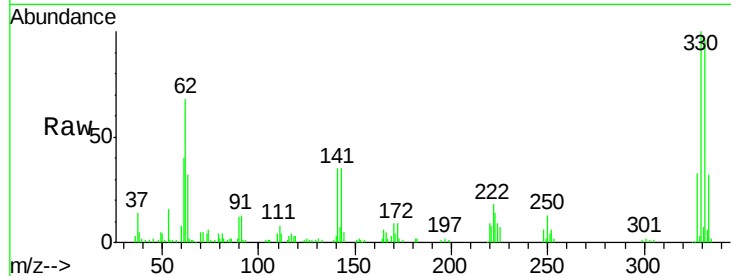




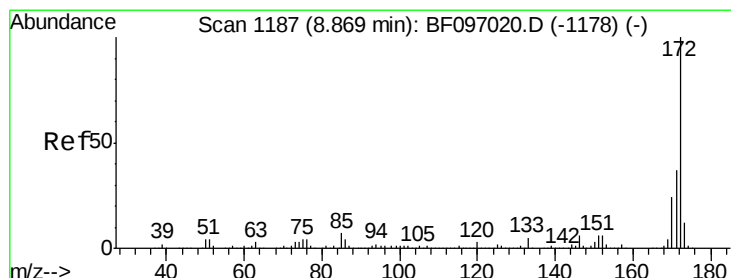
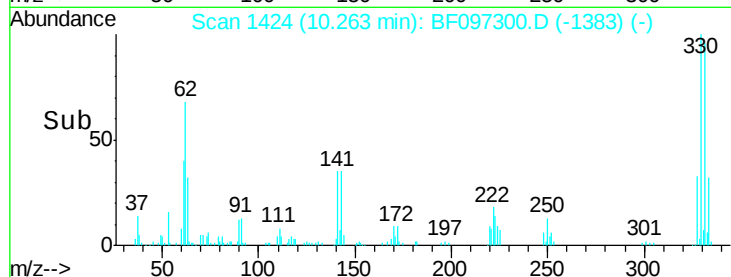
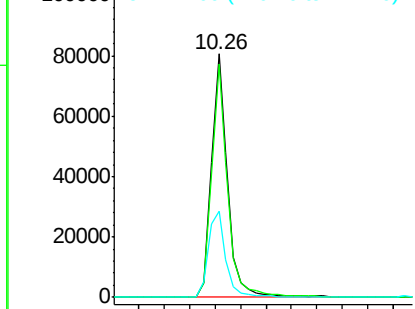
#41
 2,4,6-Tribromophenol
 Concen: 45.02 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097300.D
 Acq: 3 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 72749
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 37.8 31.4 47.2

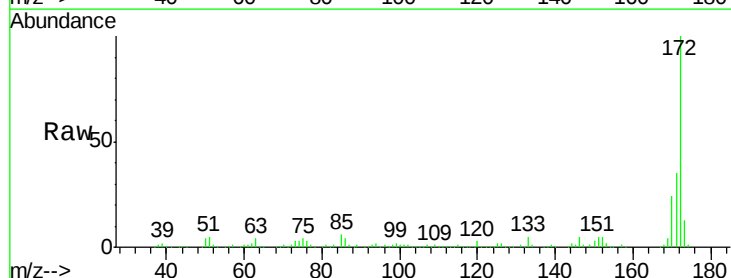


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

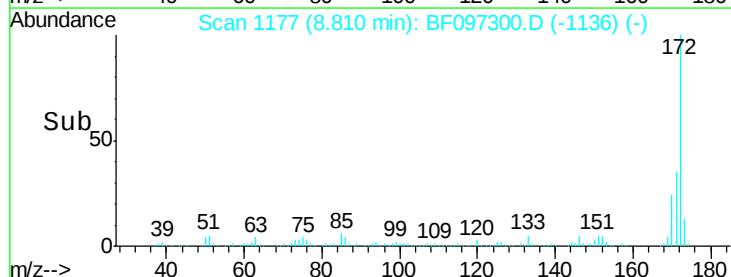
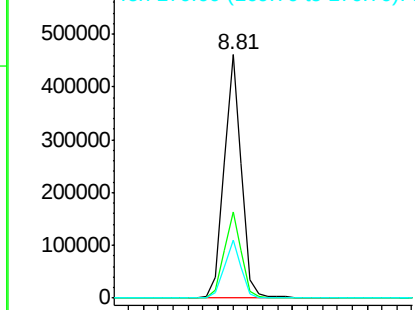


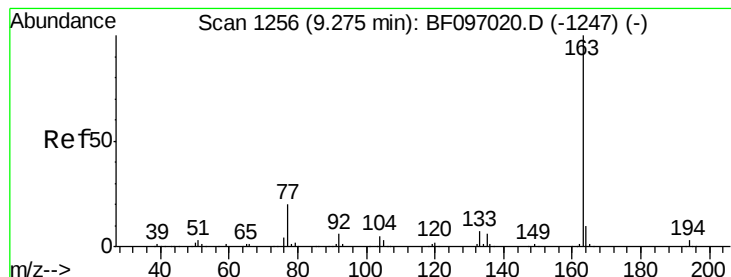
#44
 2-Fluorobiphenyl
 Concen: 31.44 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097300.D
 Acq: 3 Aug 2017 5:31

Tgt Ion:172 Resp: 378890
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.1 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: 7.86 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.06 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

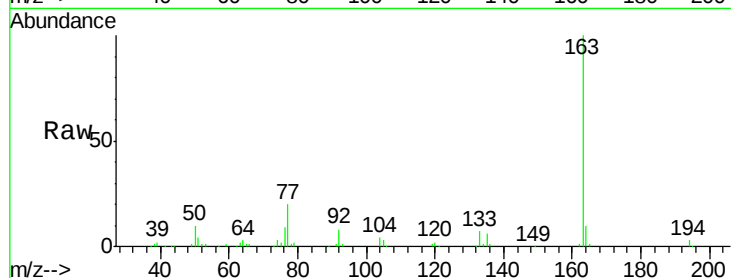
Tot Ion:163 Resp: 122046

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

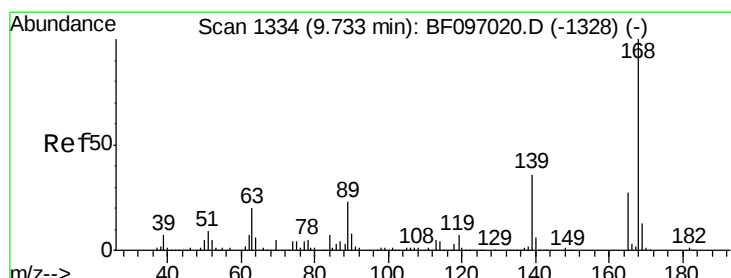
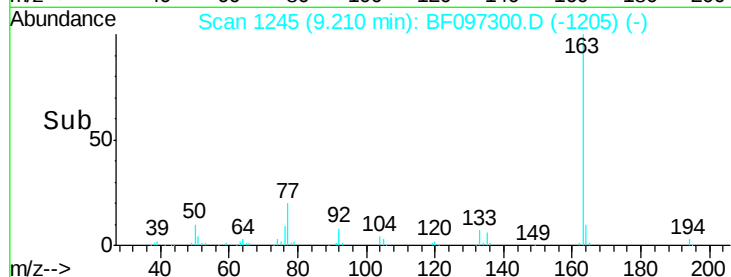
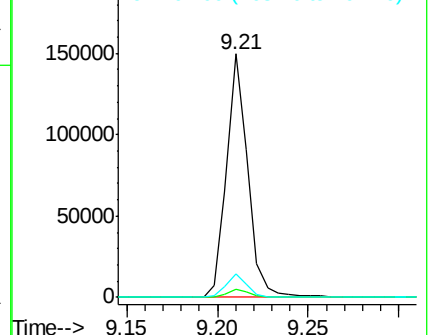
164 9.6 8.4 12.6



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: 6.75 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.26 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Tgt Ion:165 Resp: 25556

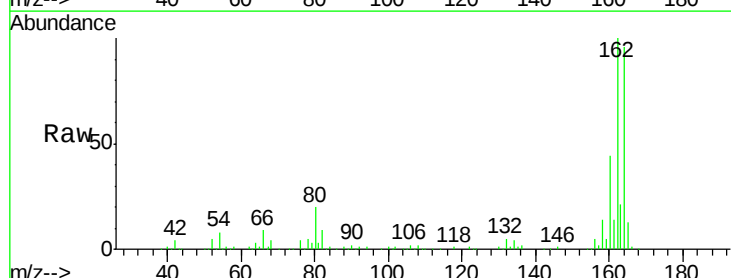
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

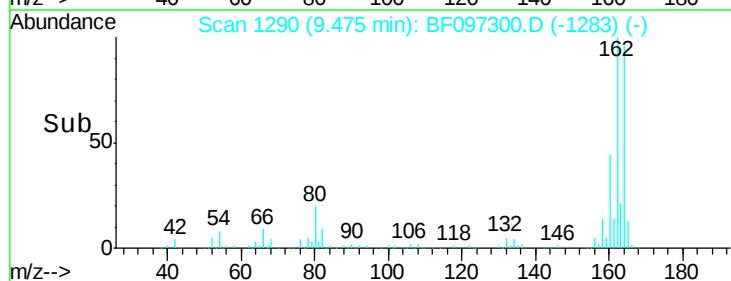
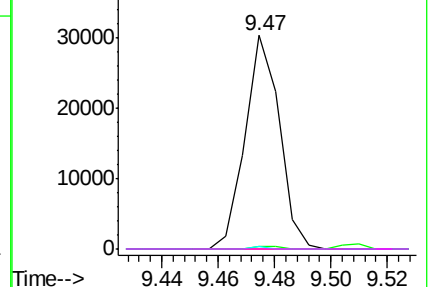


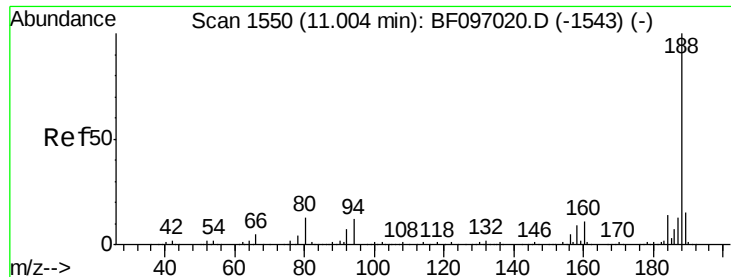
Abundance Ion 165.00 (164.70 to 165.70): E

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

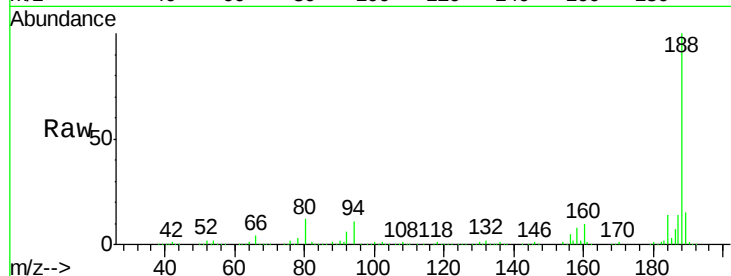




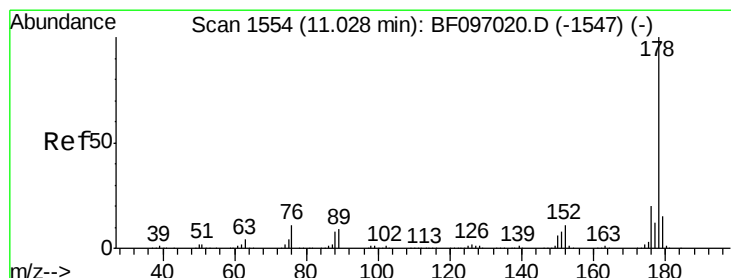
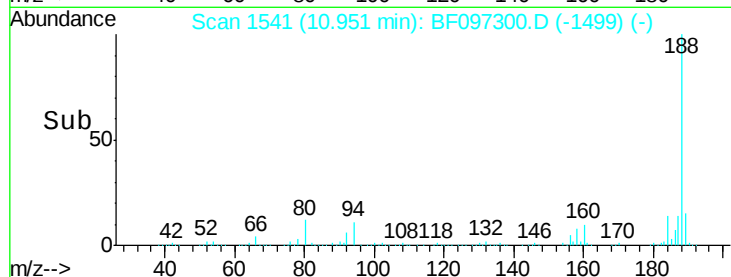
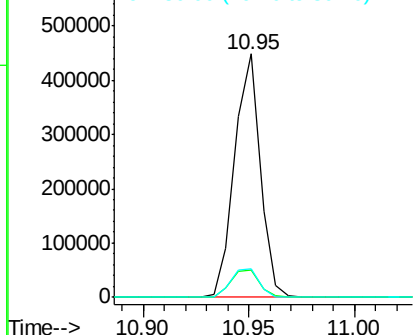
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 376695
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.7 10.2 15.2

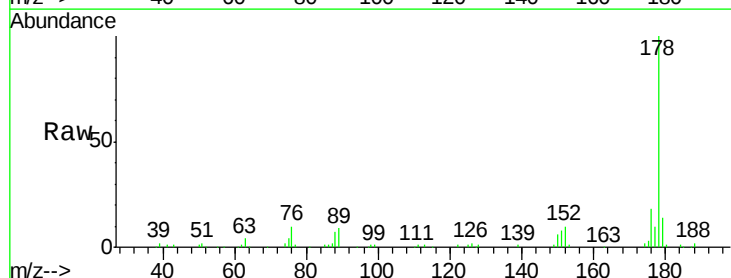


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

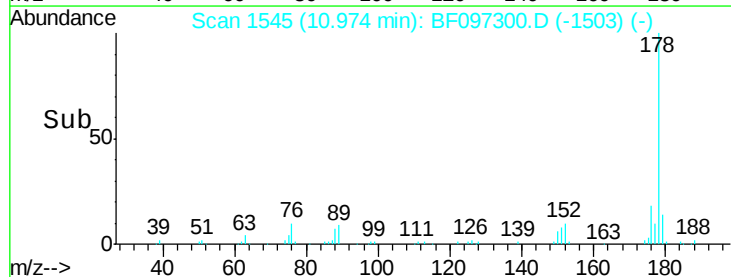
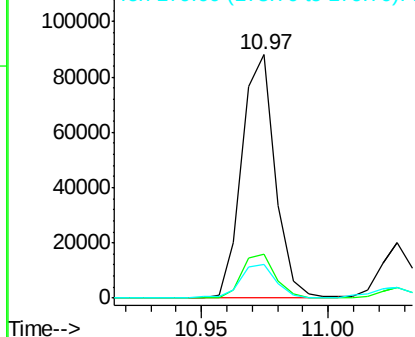


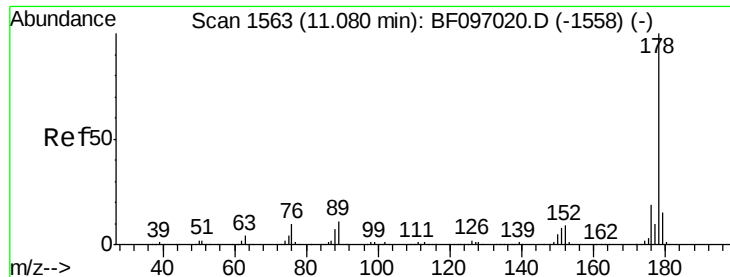
#70
Phenanthrene
Concen: 3.99 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Tgt Ion:178 Resp: 80530
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 14.0 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

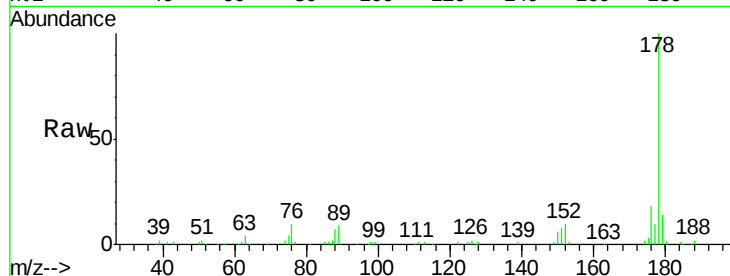




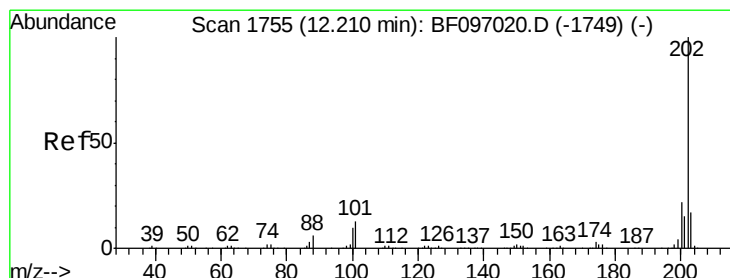
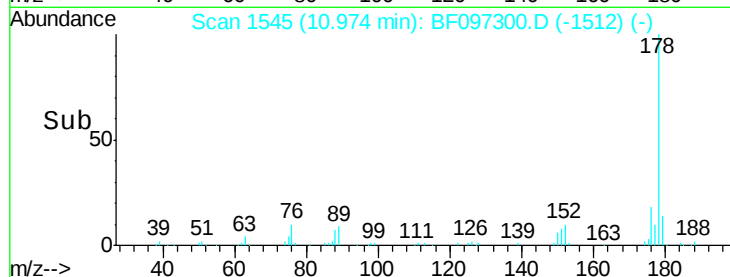
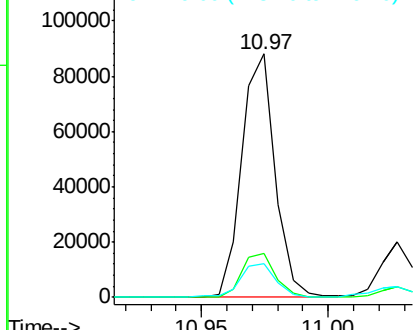
#71
 Anthracene
 Concen: 3.90 ng
 RT: 10.97 min Scan# 1545
 Delta R.T. -0.11 min
 Lab File: BF097300.D
 Acq: 3 Aug 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 80530
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 14.0 12.7 19.1

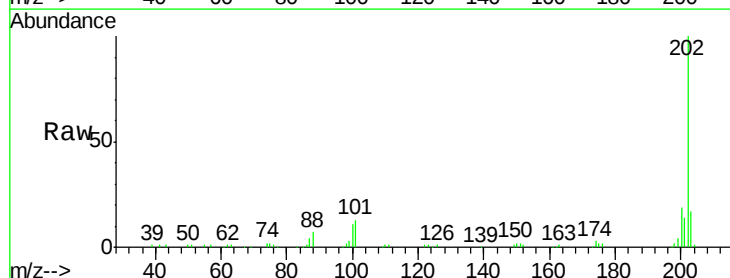


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

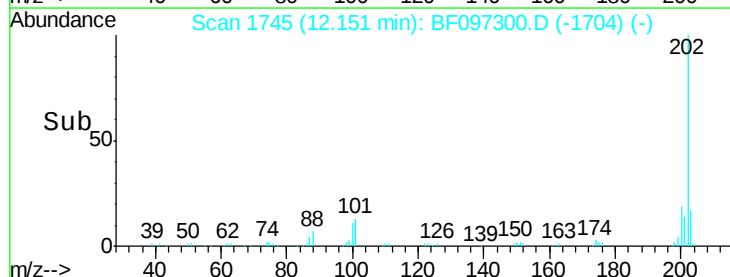
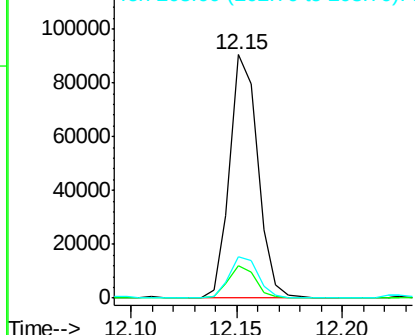


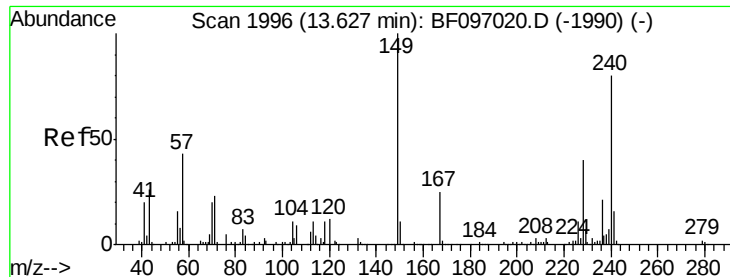
#74
 Fluoranthene
 Concen: 4.22 ng
 RT: 12.15 min Scan# 1745
 Delta R.T. -0.06 min
 Lab File: BF097300.D
 Acq: 3 Aug 2017 5:31

Tgt Ion:202 Resp: 83380
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.0 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: 20.00 ng

RT: 13.57 min Scan# 1986

Delta R.T. -0.06 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

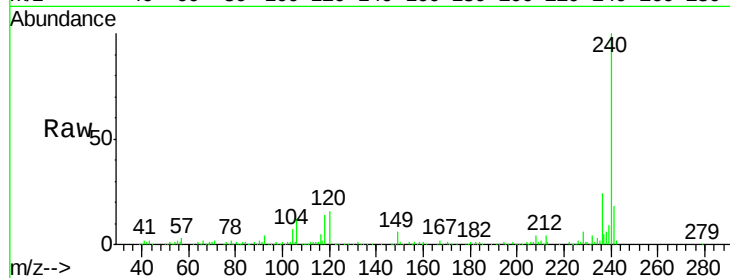
Tot Ion:240 Resp: 229000

Ion Ratio Lower Upper

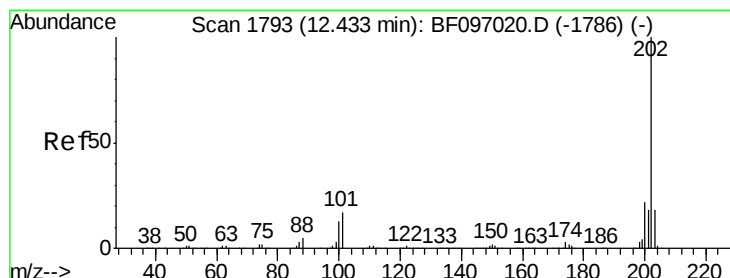
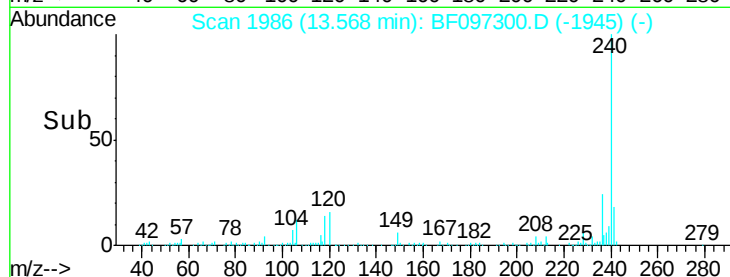
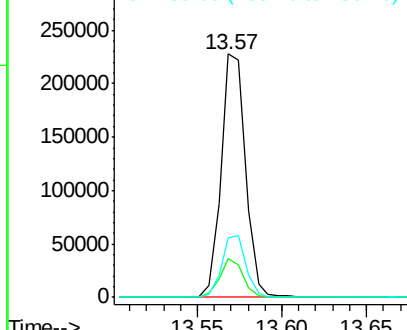
240 100

120 16.1 5.8 8.8#

236 24.5 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

Pyrene

Concen: 3.68 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

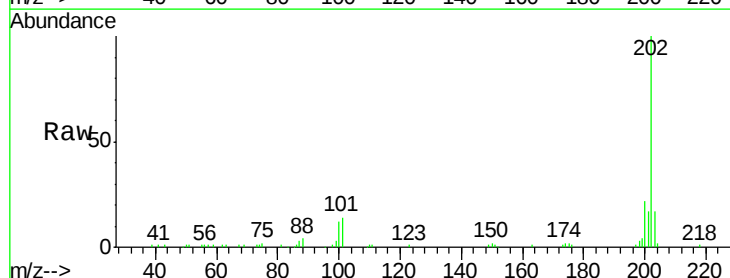
Tgt Ion:202 Resp: 69019

Ion Ratio Lower Upper

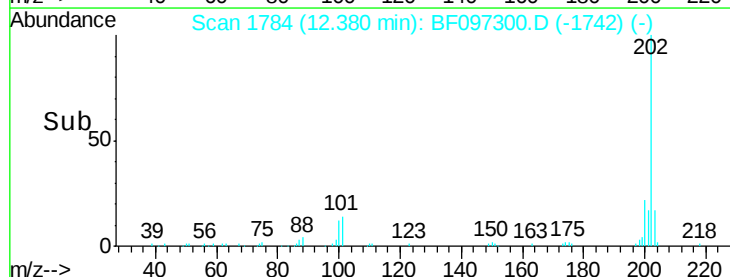
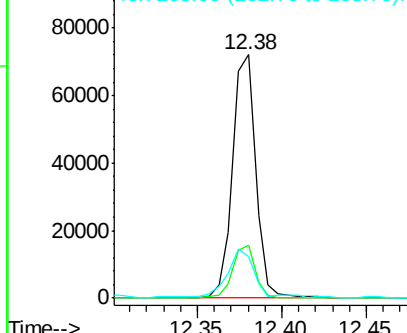
202 100

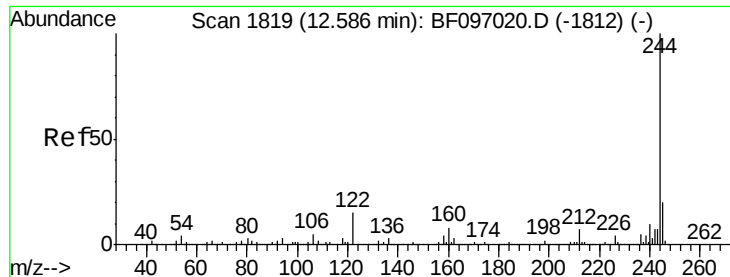
200 21.5 17.6 26.4

203 16.9 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: 23.11 ng

RT: 12.53 min Scan# 1809

Delta R.T. -0.06 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

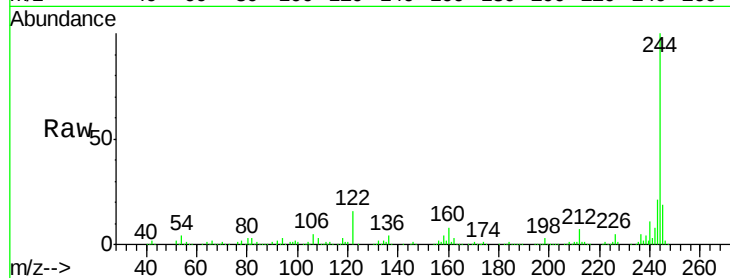
Tot Ion:244 Resp: 259576

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

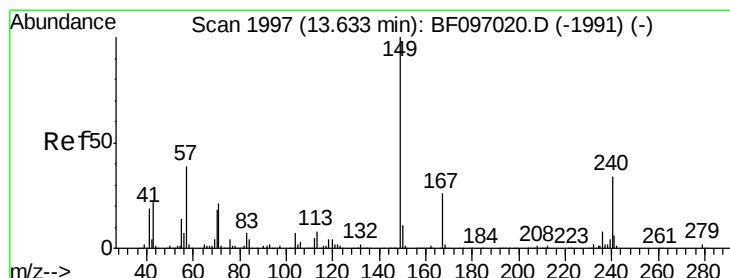
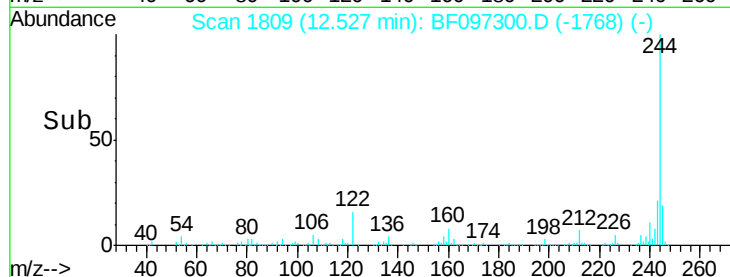
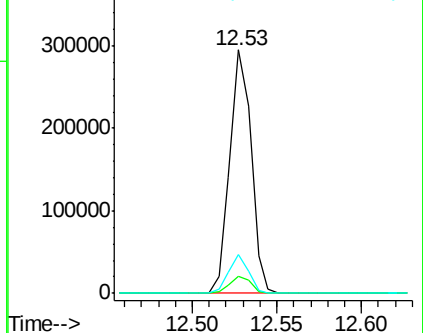
122 16.1 10.3 15.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.71 ng

RT: 13.58 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

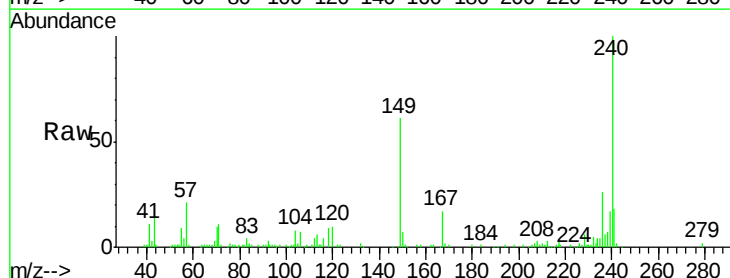
Tgt Ion:149 Resp: 46182

Ion Ratio Lower Upper

149 100

167 28.1 21.0 31.4

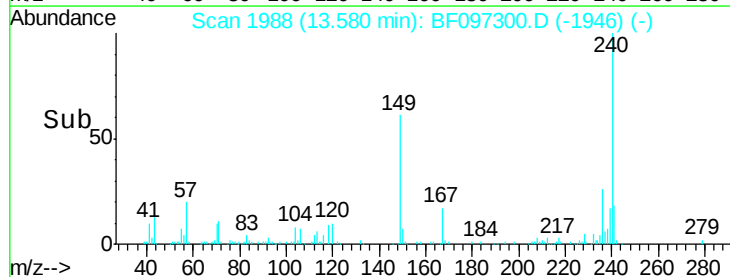
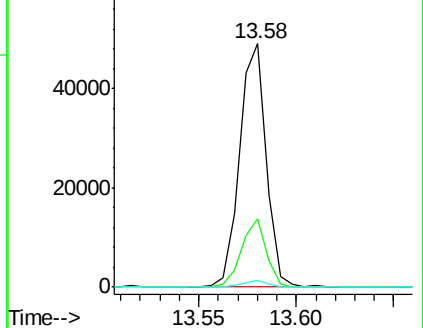
279 3.0 1.9 2.9#

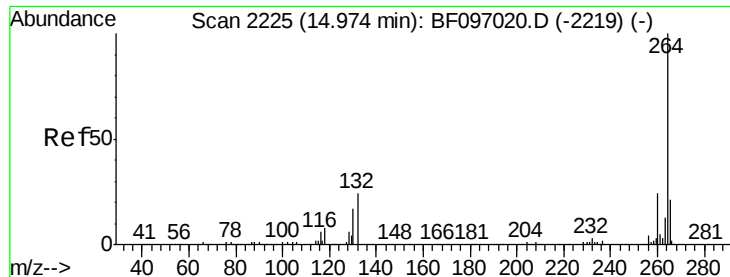


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



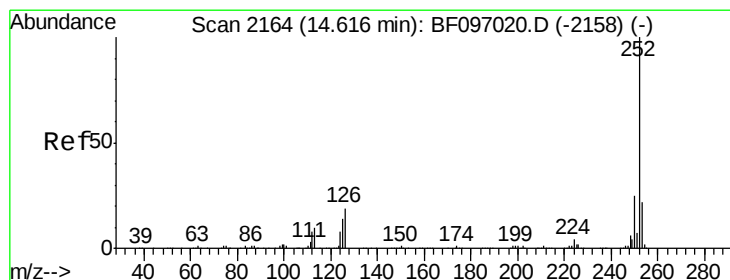
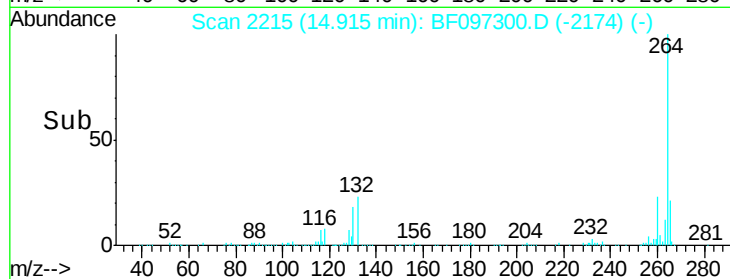
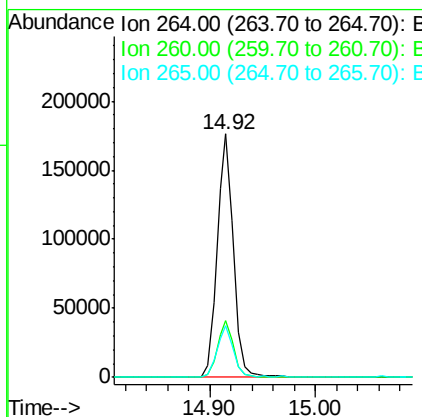
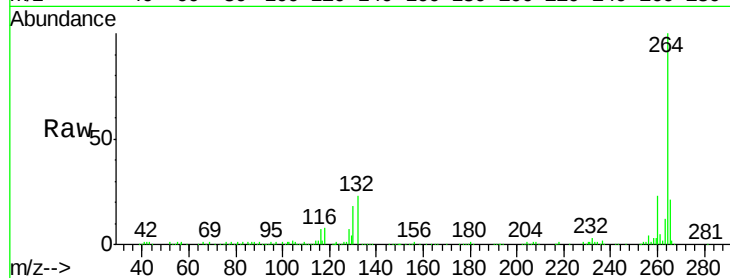


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 191498

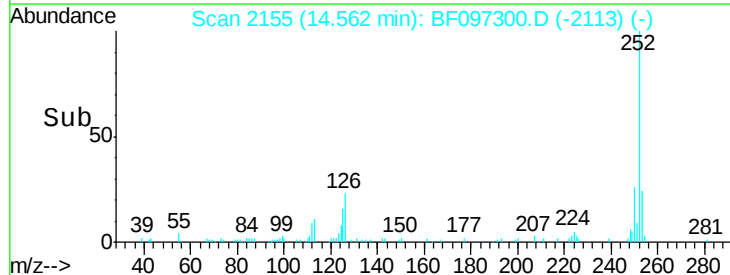
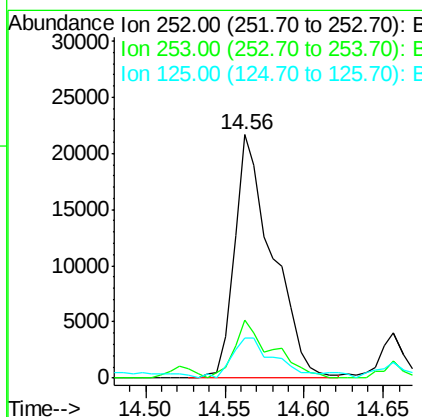
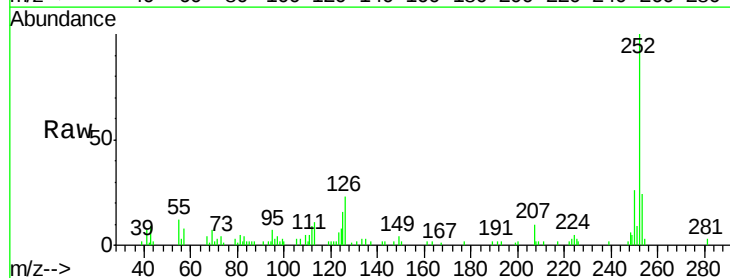
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	17.2	25.8

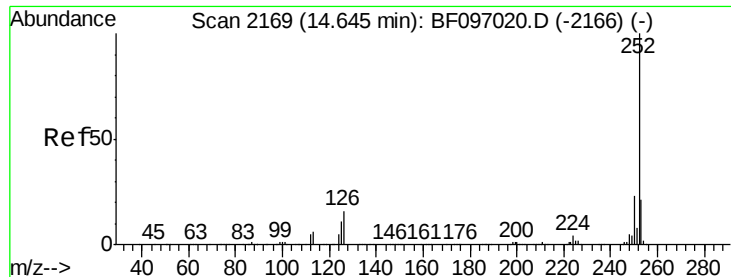


#87
Benzo(b)fluoranthene
Concen: 3.11 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097300.D
Acq: 3 Aug 2017 5:31

Tgt Ion:252 Resp: 35824

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	16.3	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.27 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.08 min

Lab File: BF097300.D

Acq: 3 Aug 2017 5:31

Instrument :

BNA_F

ClientSampleId :

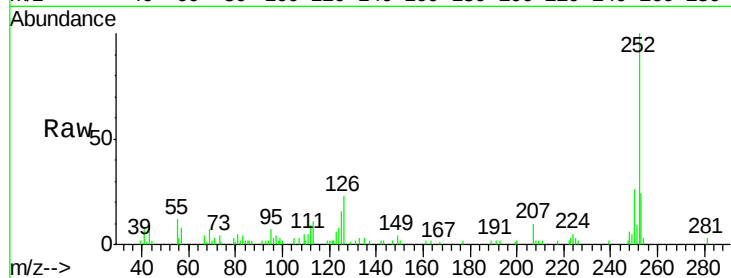
Tot Ion:252 Resp: 35824

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

125 16.3 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

