

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097930.D
 Acq On : 22 Aug 2017 2:49
 Operator : SJ/JU
 Sample : I4898-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081817-A

Quant Time: Aug 22 04:14:27 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

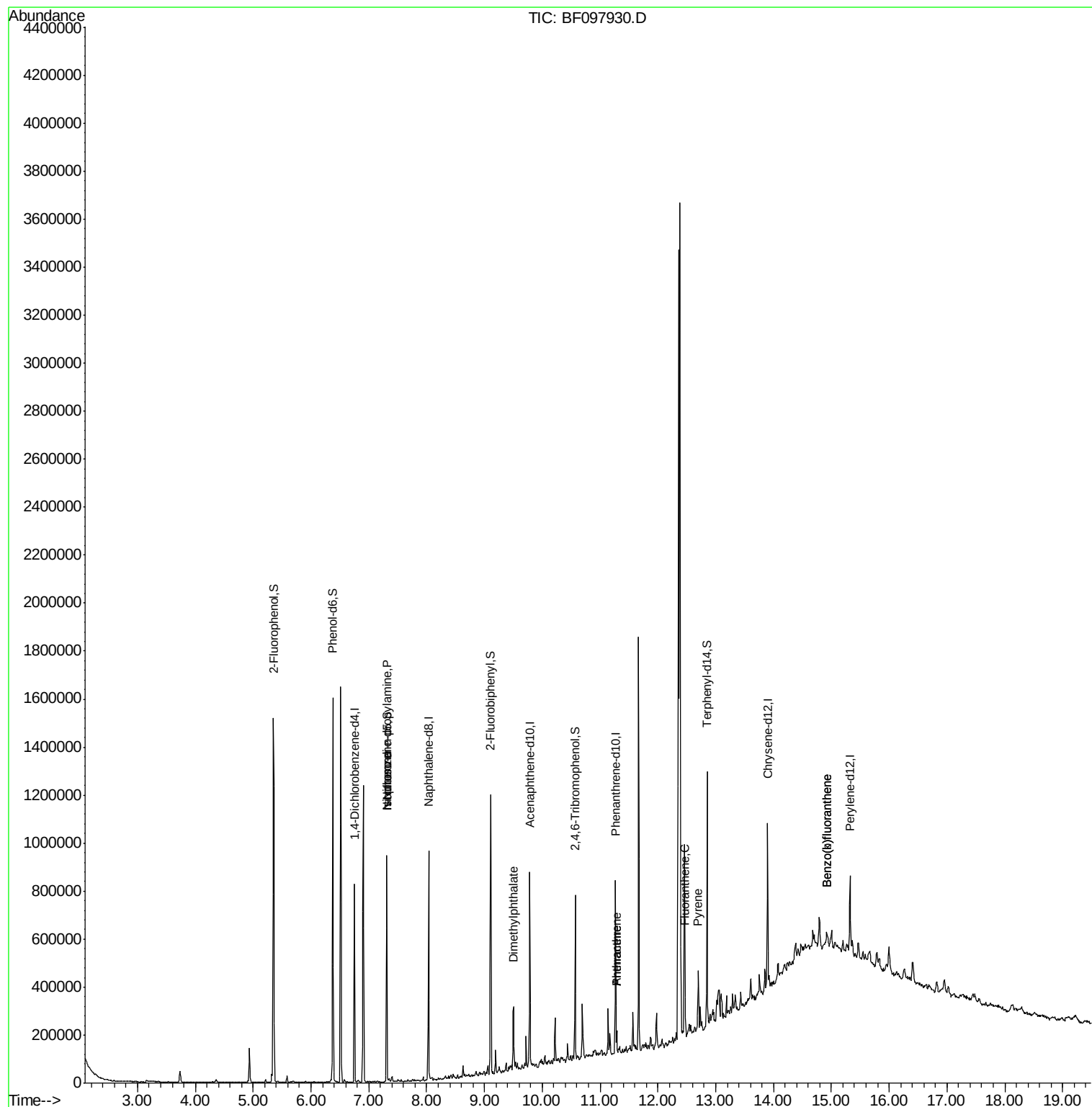
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	109099	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	382487	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	142867	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	257076	20.00	ng	0.00
75) Chrysene-d12	13.90	240	227801	20.00	ng	0.00
86) Perylene-d12	15.32	264	157523	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	406393	56.66	ng	0.00
7) Phenol-d6	6.38	99	510517	52.39	ng	0.00
23) Nitrobenzene-d5	7.31	82	288962	41.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	64588	52.10	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	360704	37.09	ng	0.00
78) Terphenyl-d14	12.85	244	283600	25.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	39288	5.89	ng	# 72
25) Isophorone	7.31	82	283061	19.33	ng	# 67
49) Dimethylphthalate	9.50	163	85379	8.18	ng	99
70) Phenanthrene	11.29	178	28231	2.06	ng	99
71) Anthracene	11.29	178	28231	2.03	ng	98
74) Fluoranthene	12.47	202	48898	3.42	ng	98
77) Pyrene	12.70	202	51166	2.75	ng	98
87) Benzo(b)fluoranthene	14.92	252	27628	2.78	ng	# 49
88) Benzo(k)fluoranthene	14.92	252	27628	2.96	ng	# 54

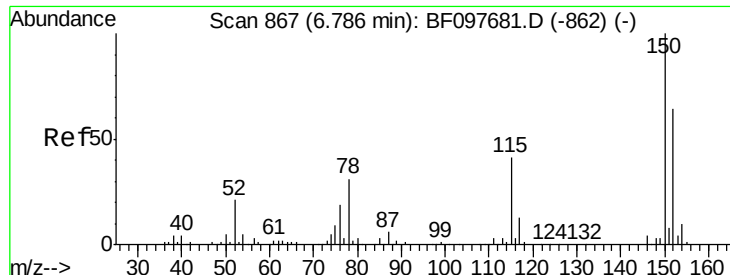
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

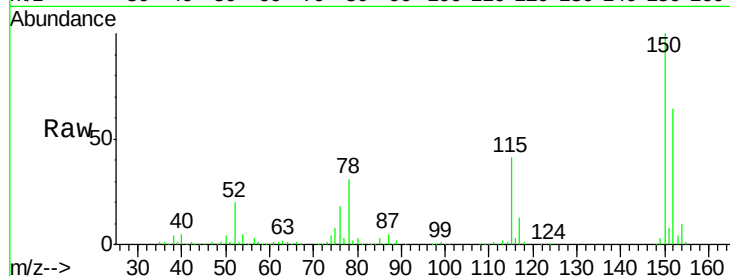
Tot Ion:152 Resp: 109099

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

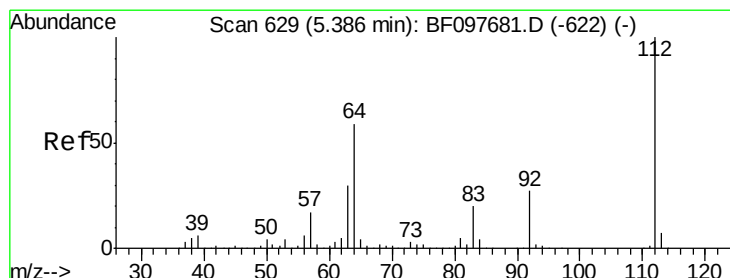
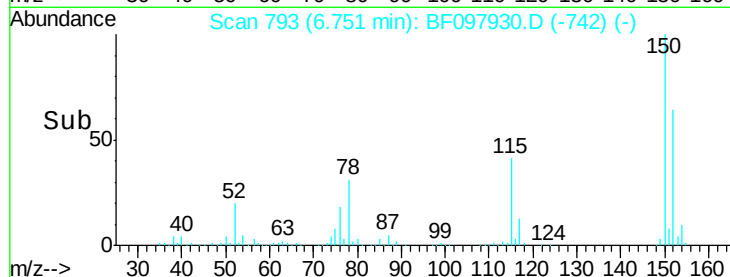
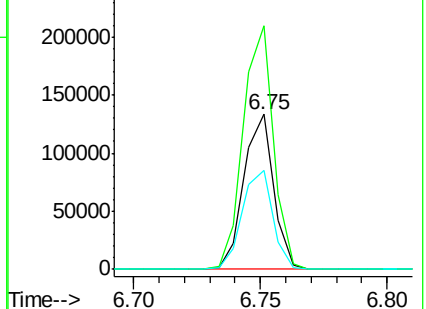
115 64.1 52.2 78.2



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: 56.66 ng

RT: 5.35 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

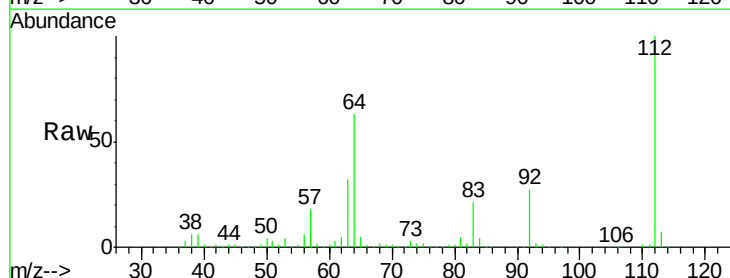
Tgt Ion:112 Resp: 406393

Ion Ratio Lower Upper

112 100

64 63.1 46.0 69.0

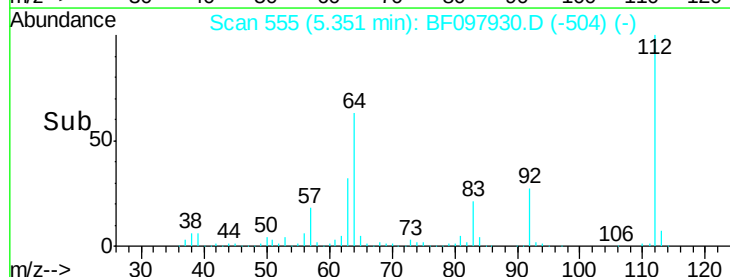
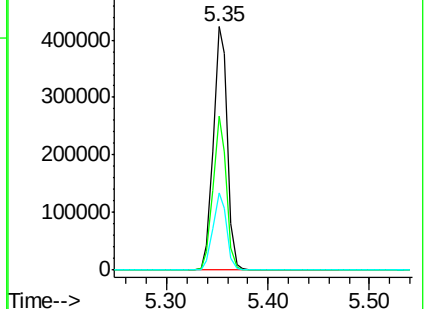
63 31.9 23.4 35.0

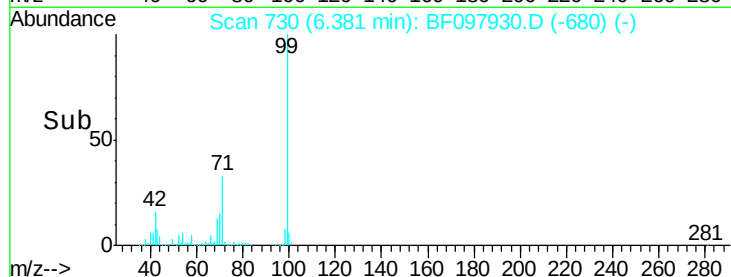
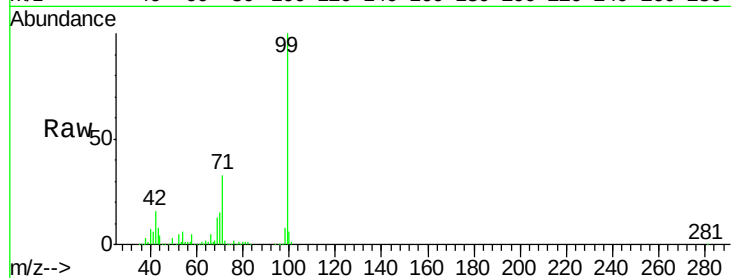
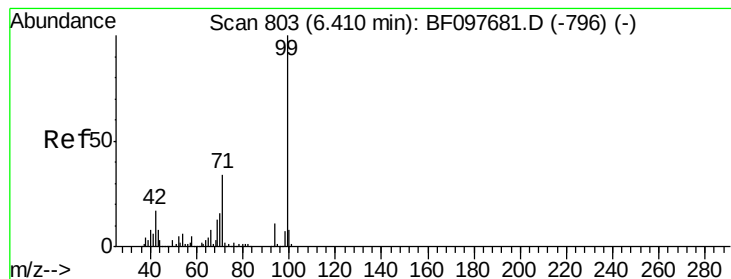


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.39 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

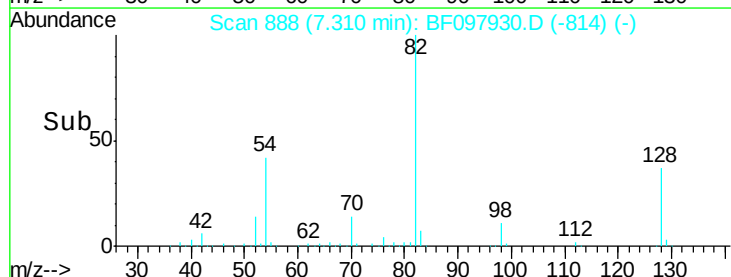
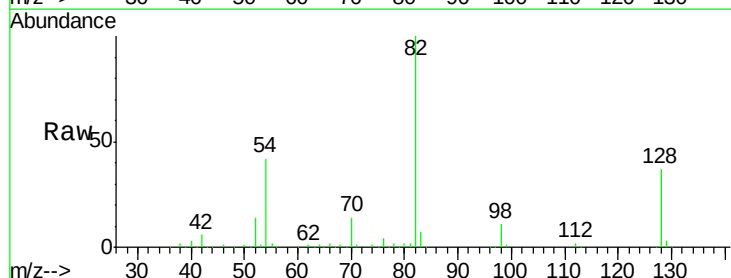
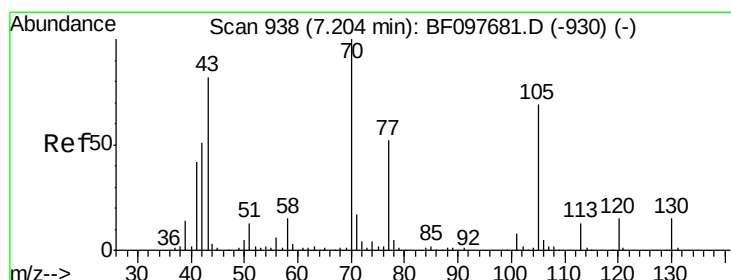
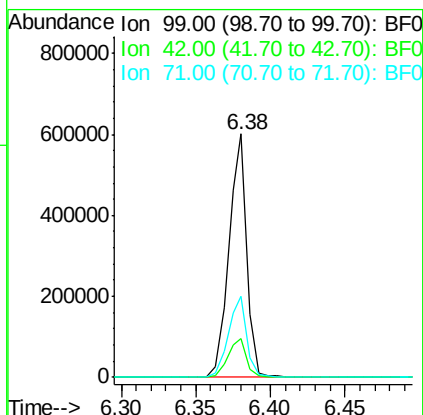
Tot Ion: 99 Resp: 510517

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

71 33.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.89 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Tgt Ion: 70 Resp: 39288

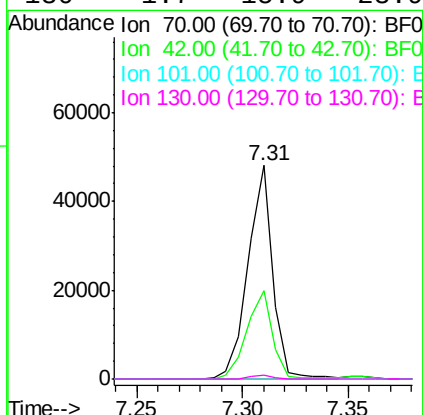
Ion Ratio Lower Upper

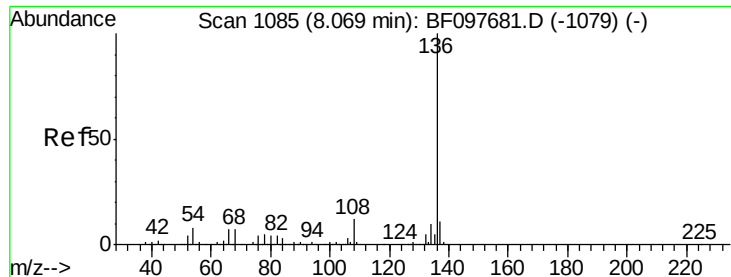
70 100

42 41.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

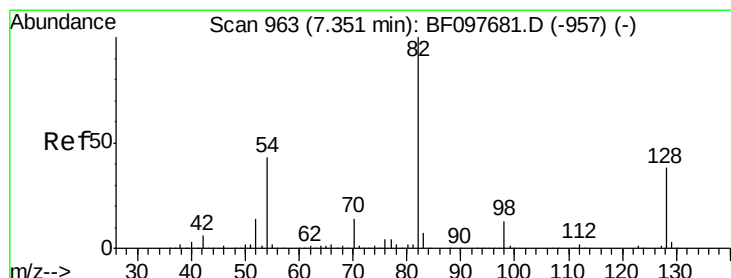
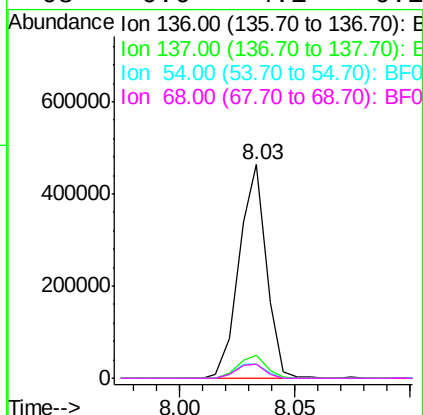
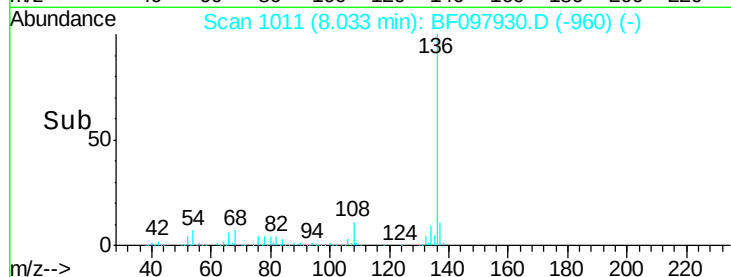
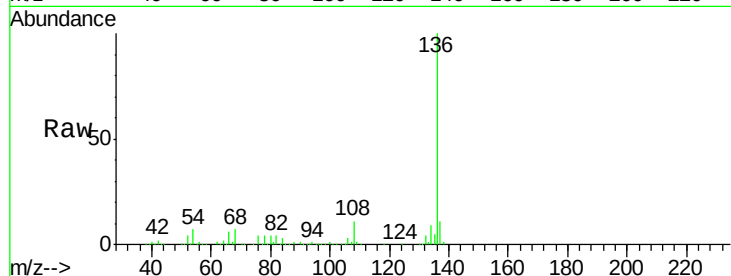




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097930.D
Acq: 22 Aug 2017 2:49

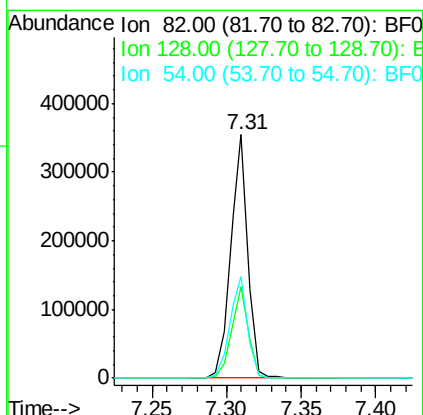
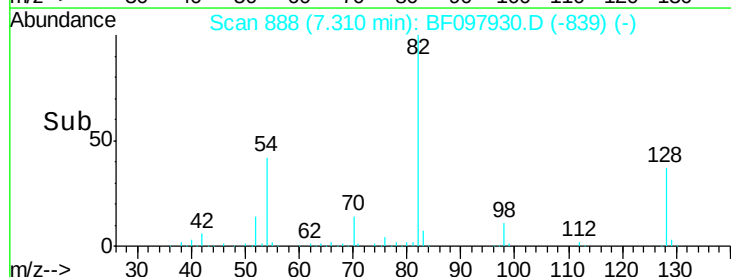
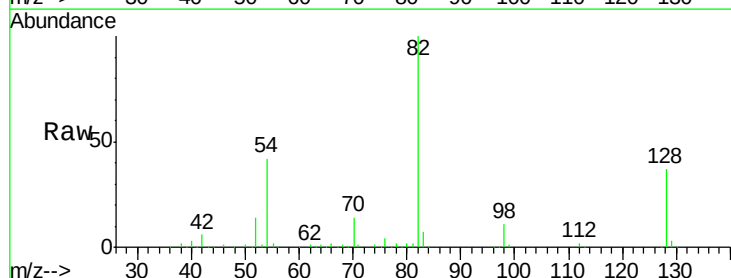
Instrument :
BNA_F
ClientSampleId :
NB-08-081817-A

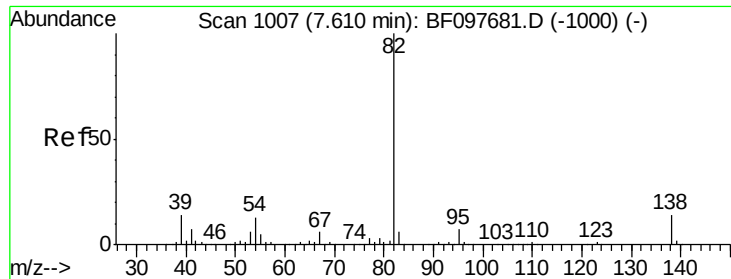
Tot Ion:136	Resp:	382487
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	6.9	4.9 7.3
68	6.6	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 41.04 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097930.D
Acq: 22 Aug 2017 2:49

Tgt Ion: 82	Resp:	288962
Ion Ratio	Lower	Upper
82	100	
128	37.5	34.0 51.0
54	41.9	42.2 63.2#





#25

Isophorone

Concen: 19.33 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

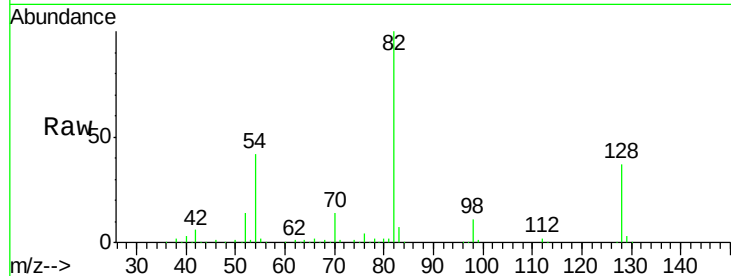
Tot Ion: 82 Resp: 283061

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

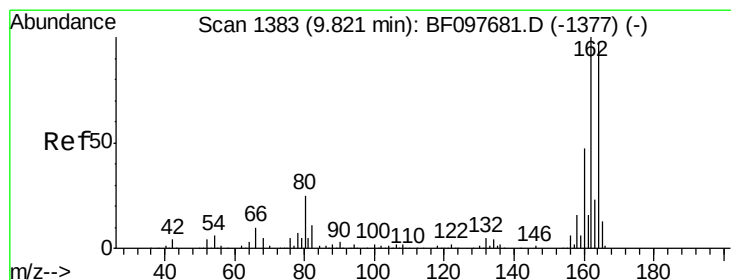
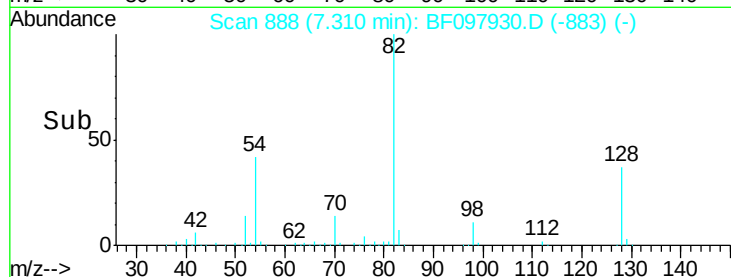
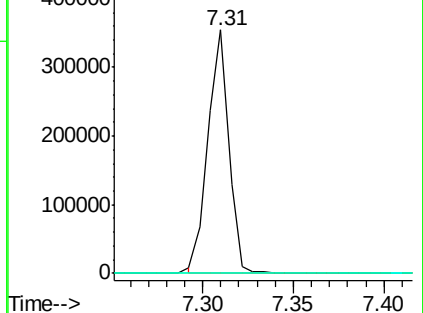
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

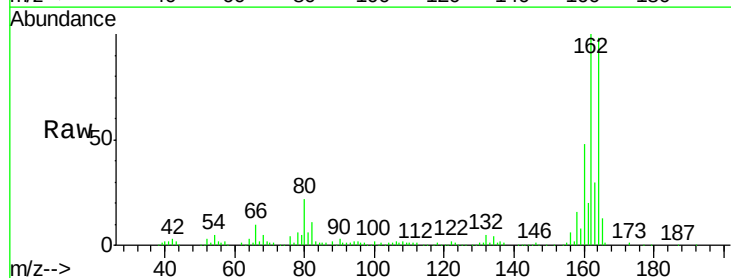
Tgt Ion: 164 Resp: 142867

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

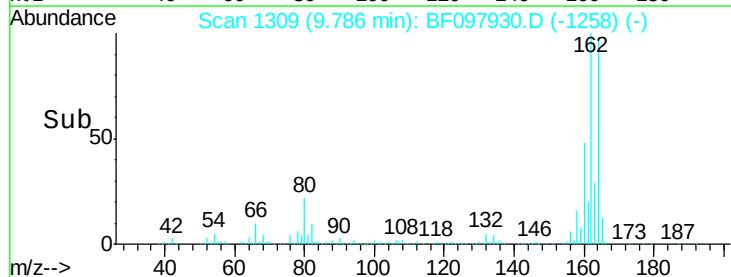
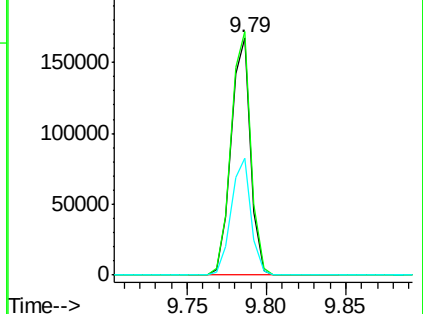
160 49.1 36.2 54.2

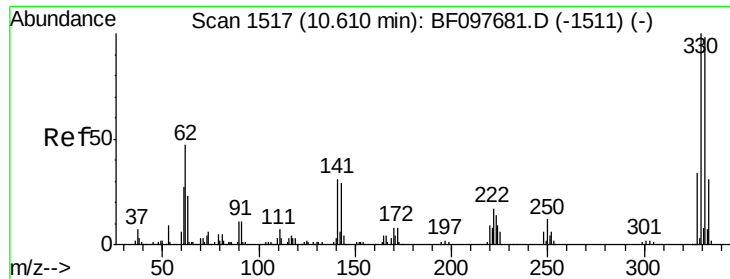


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

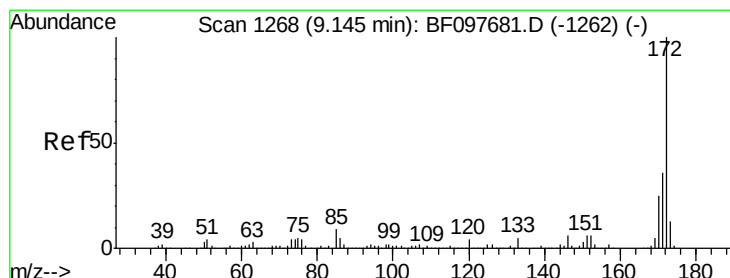
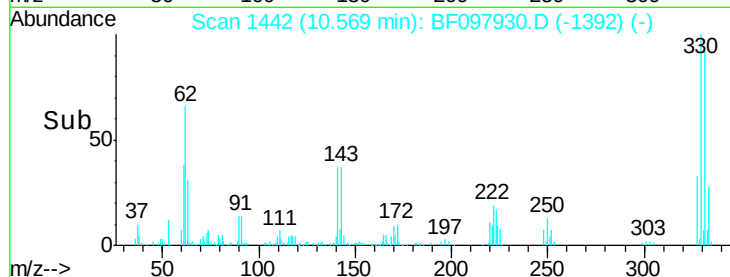
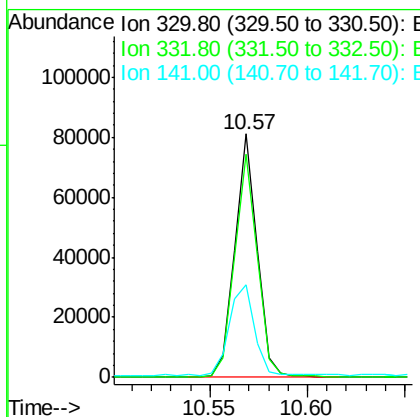
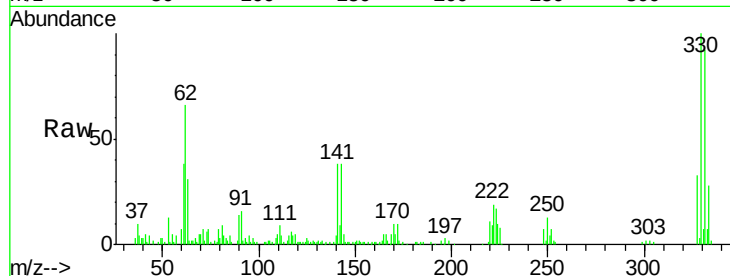




#41
 2,4,6-Tribromophenol
 Concen: 52.10 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097930.D
 Acq: 22 Aug 2017 2:49

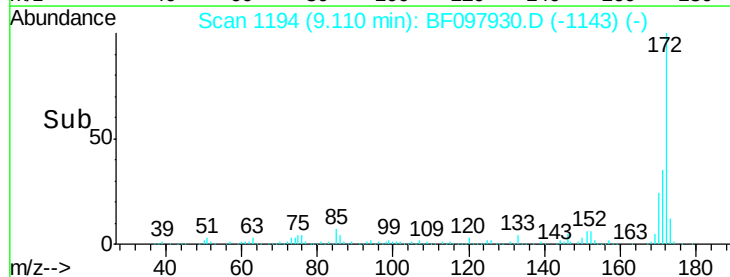
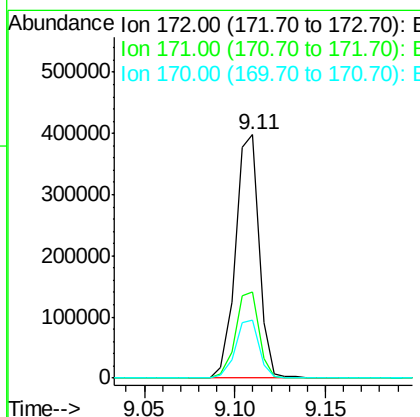
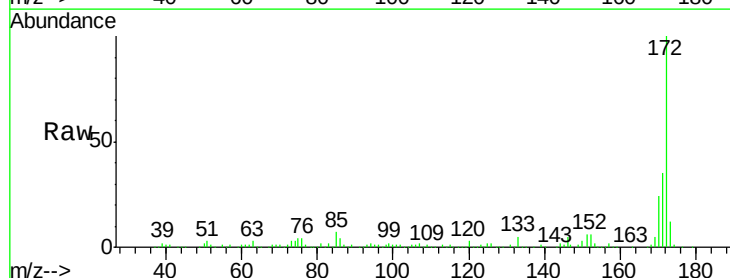
Instrument :
 BNA_F
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 NB-08-081817-A

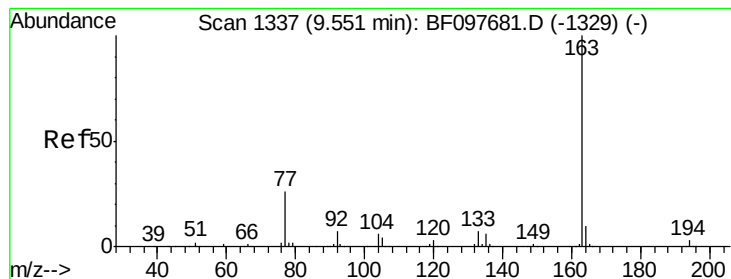
Tot Ion:330 Resp: 64588
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 115.0
 141 42.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 37.09 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: BF097930.D
 Acq: 22 Aug 2017 2:49

Tgt Ion:172 Resp: 360704
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 8.18 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleID :

NB-08-081817-A

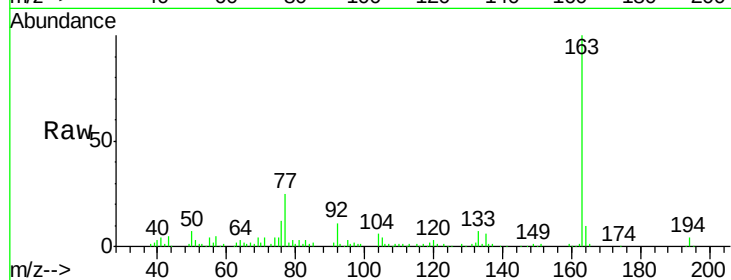
Tot Ion:163 Resp: 85379

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

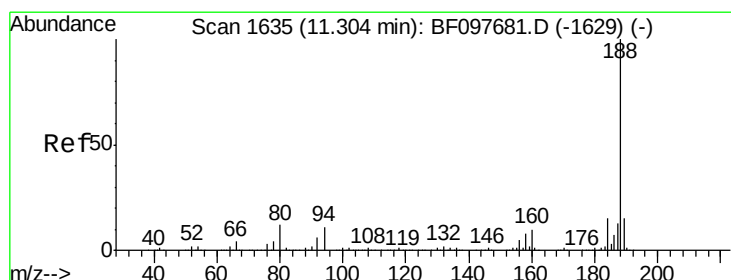
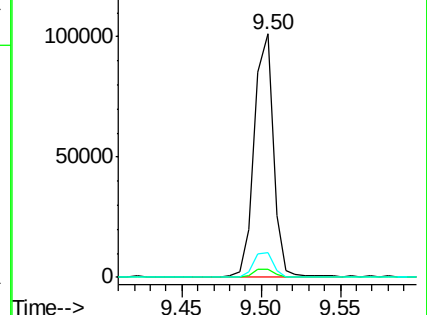
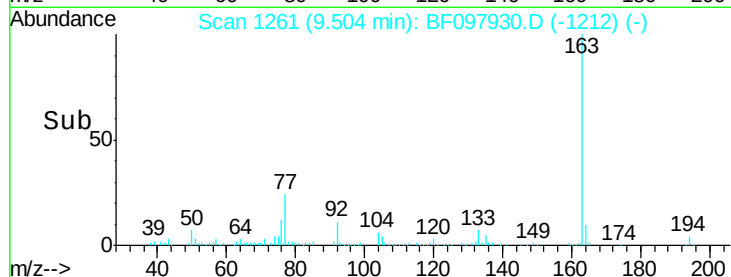
164 10.3 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

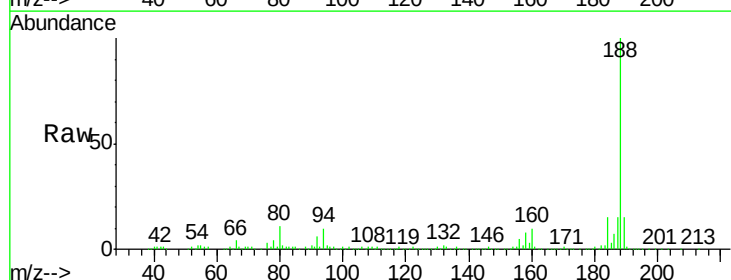
Tgt Ion:188 Resp: 257076

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

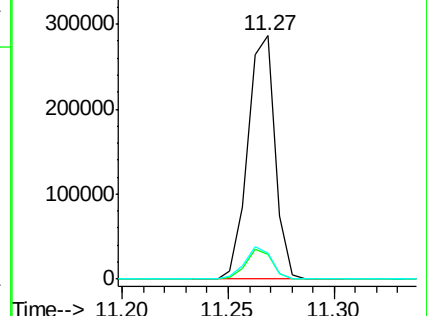
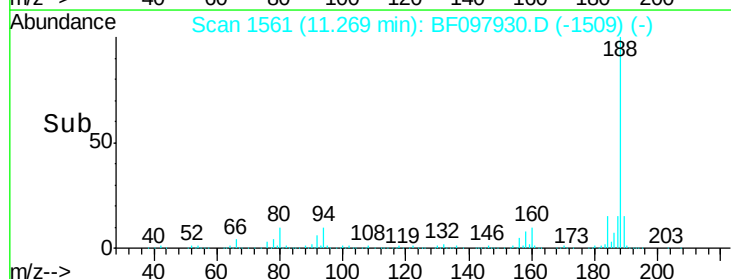
80 10.7 10.2 15.2

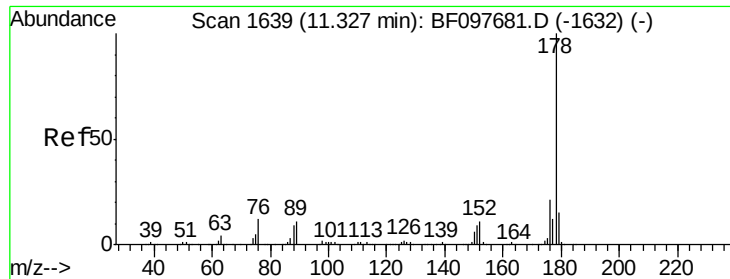


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.06 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

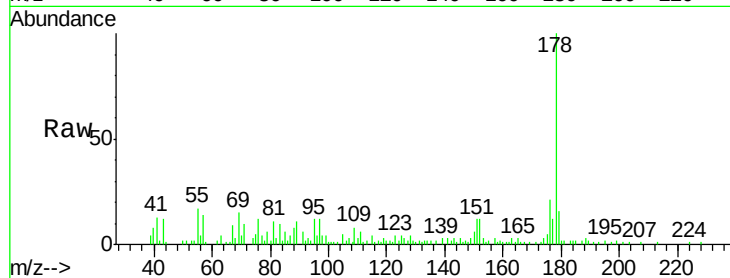
Tot Ion:178 Resp: 28231

Ion Ratio Lower Upper

178 100

176 20.9 16.2 24.4

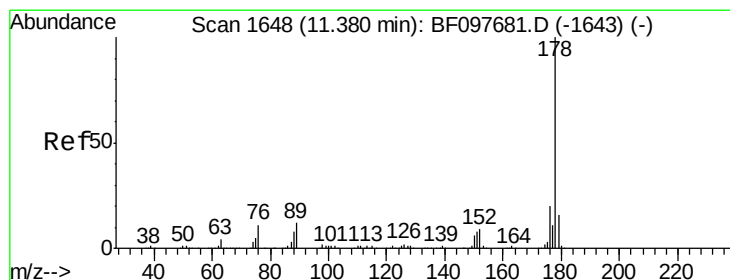
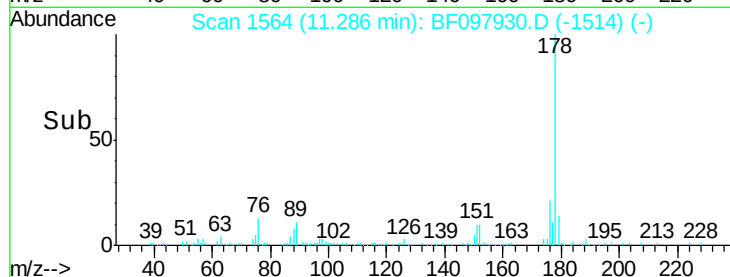
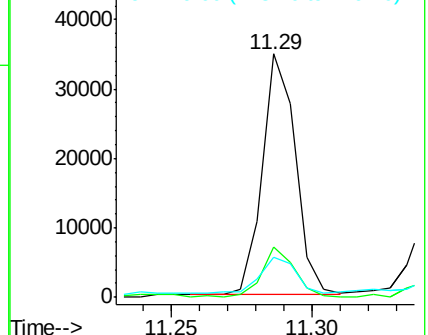
179 16.2 12.6 19.0



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: 2.03 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.06 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

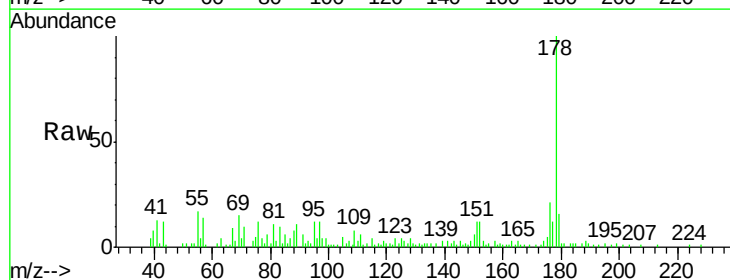
Tgt Ion:178 Resp: 28231

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

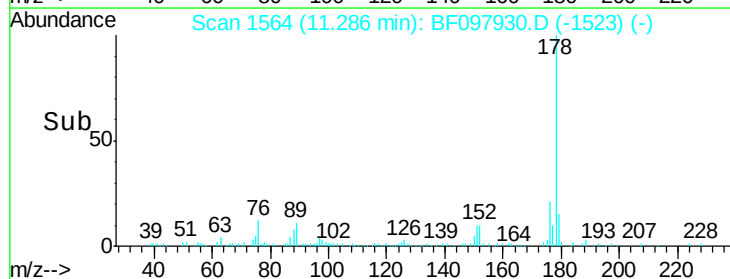
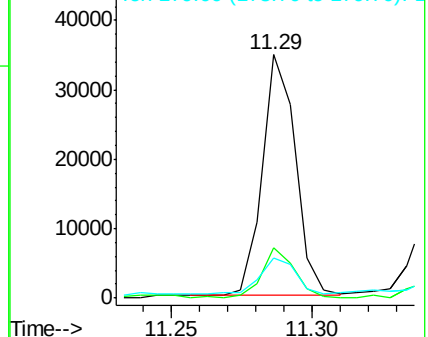
179 16.2 12.7 19.1

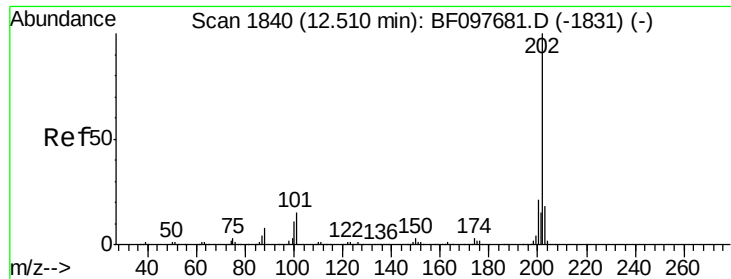


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.42 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

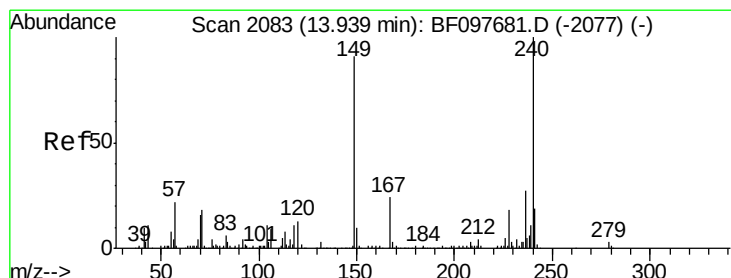
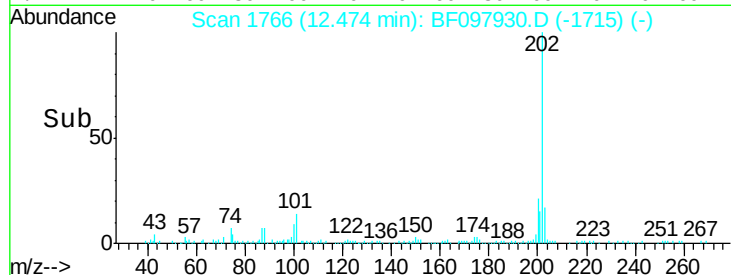
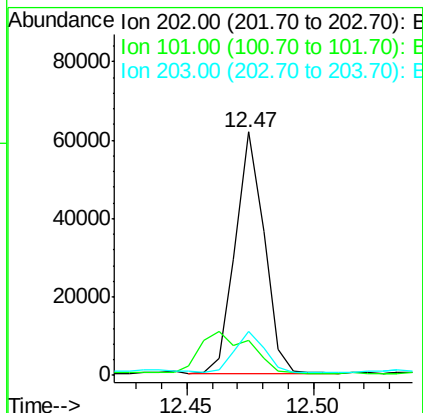
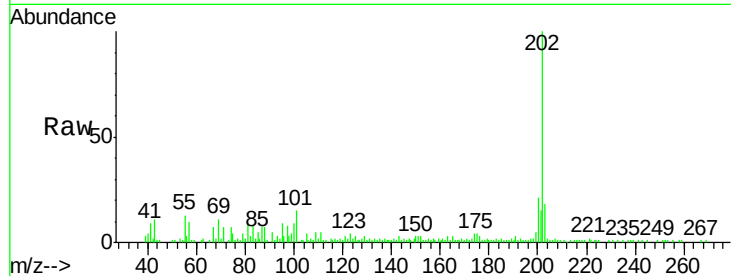
Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

Tot Ion:	202	Resp:	48898
Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	18.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

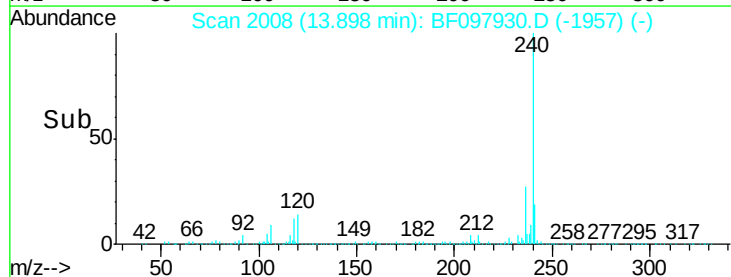
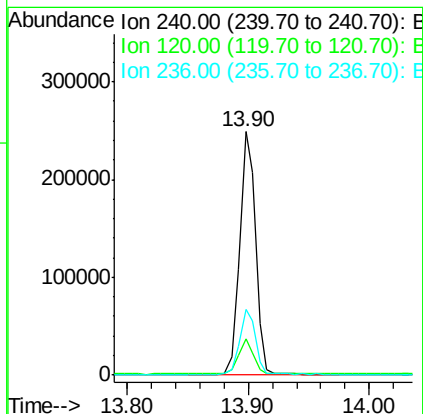
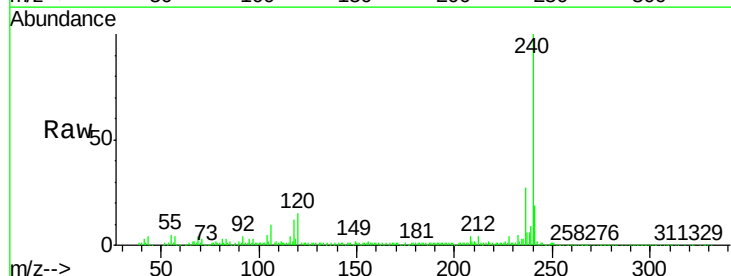
RT: 13.90 min Scan# 2008

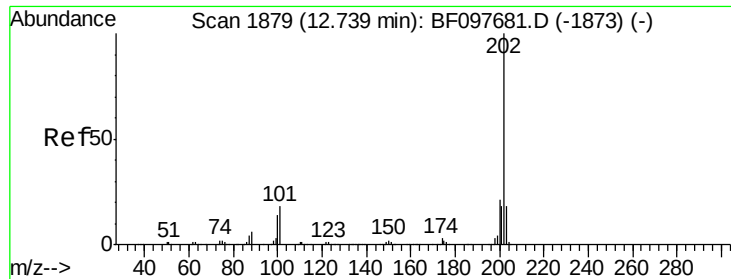
Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Tgt Ion:	240	Resp:	227801
Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	27.0	20.5	30.7





#77

Pvrene

Concen: 2.75 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

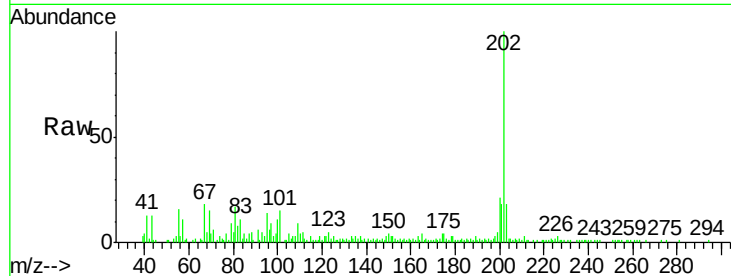
Tot Ion:202 Resp: 51166

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

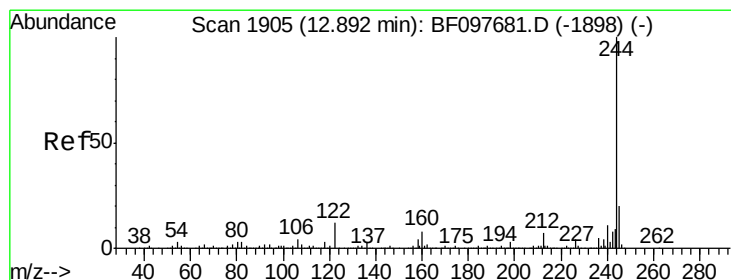
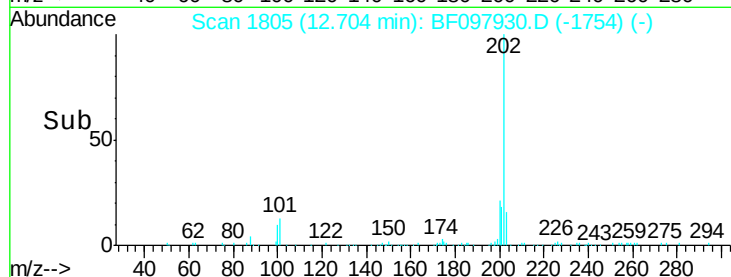
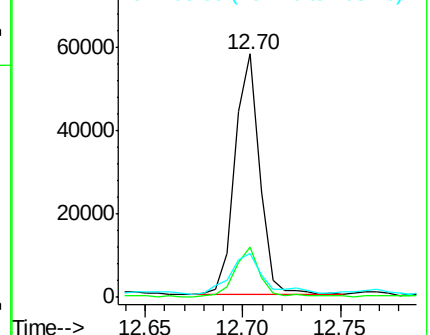
203 17.9 14.4 21.6



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: 25.96 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

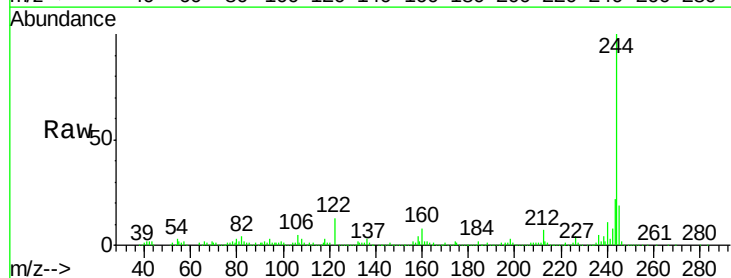
Tgt Ion:244 Resp: 283600

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

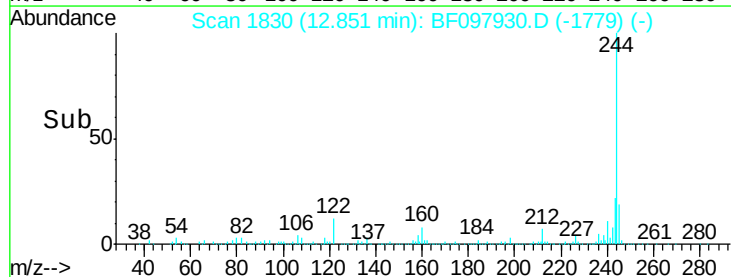
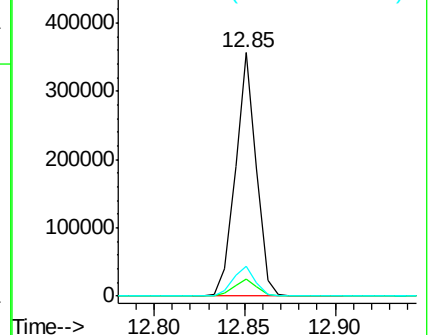
122 12.5 10.3 15.5

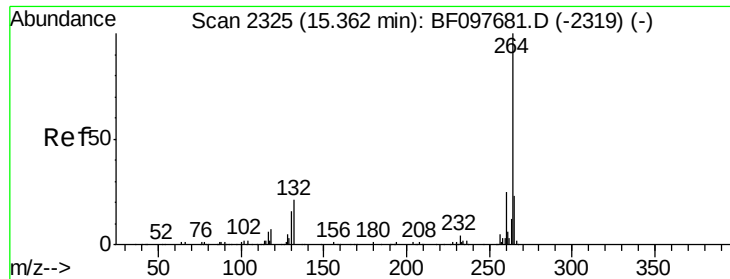


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

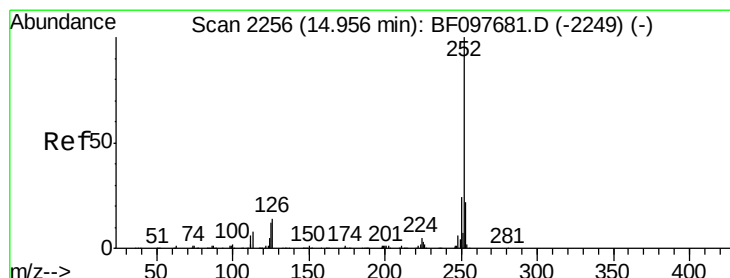
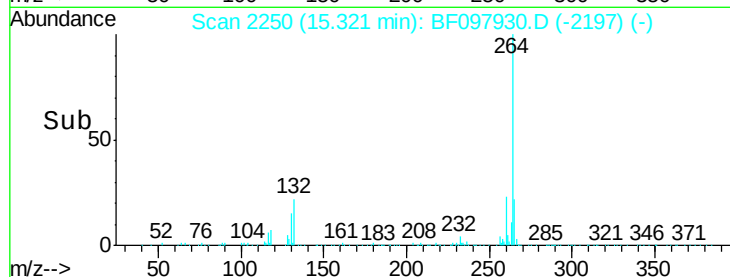
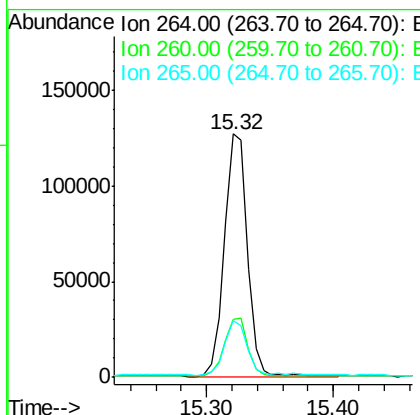
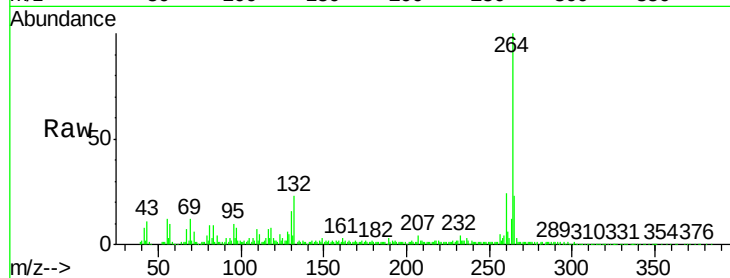




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097930.D
Acq: 22 Aug 2017 2:49

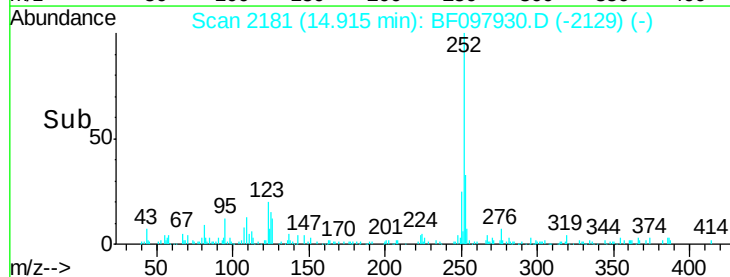
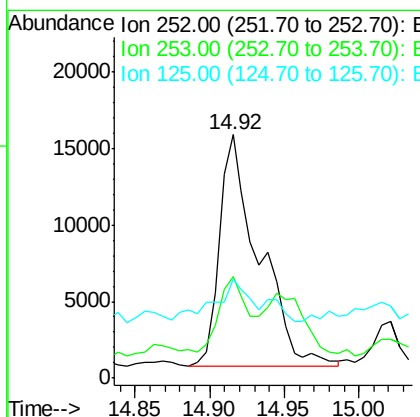
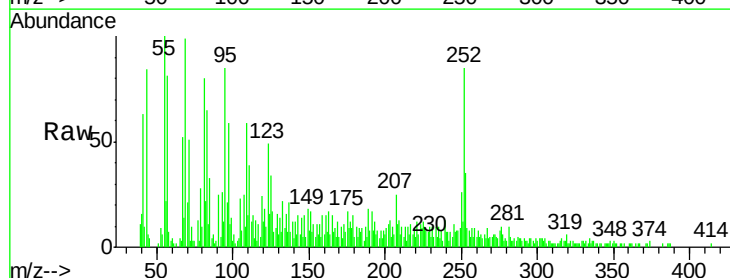
Instrument :
BNA_F
ClientSampleId :
NB-08-081817-A

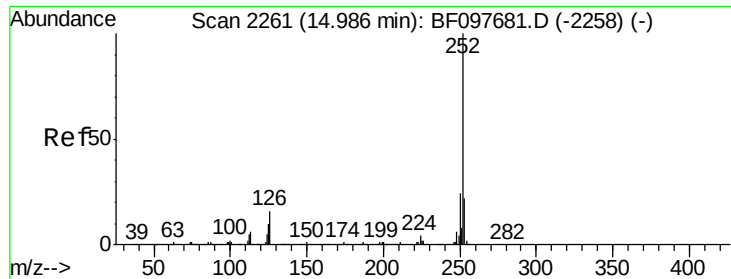
Tot Ion:264 Resp: 157523
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 23.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.78 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097930.D
Acq: 22 Aug 2017 2:49

Tgt Ion:252 Resp: 27628
Ion Ratio Lower Upper
252 100
253 41.5 18.1 27.1#
125 40.4 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.96 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BF097930.D

Acq: 22 Aug 2017 2:49

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-A

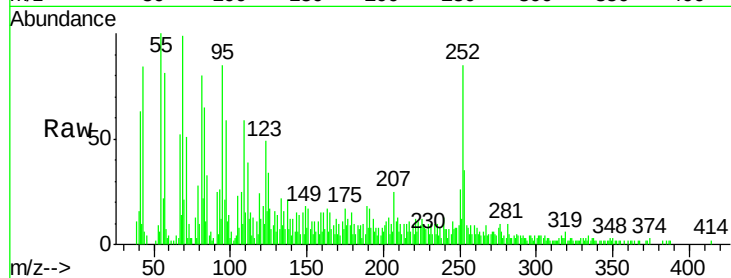
Tot Ion:252 Resp: 27628

Ion Ratio Lower Upper

252 100

253 41.5 18.4 27.6#

125 40.4 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

