

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097709.D
 Acq On : 15 Aug 2017 23:47
 Operator : SJ/JU
 Sample : I4700-07RE 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Quant Time: Aug 16 03:57:18 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

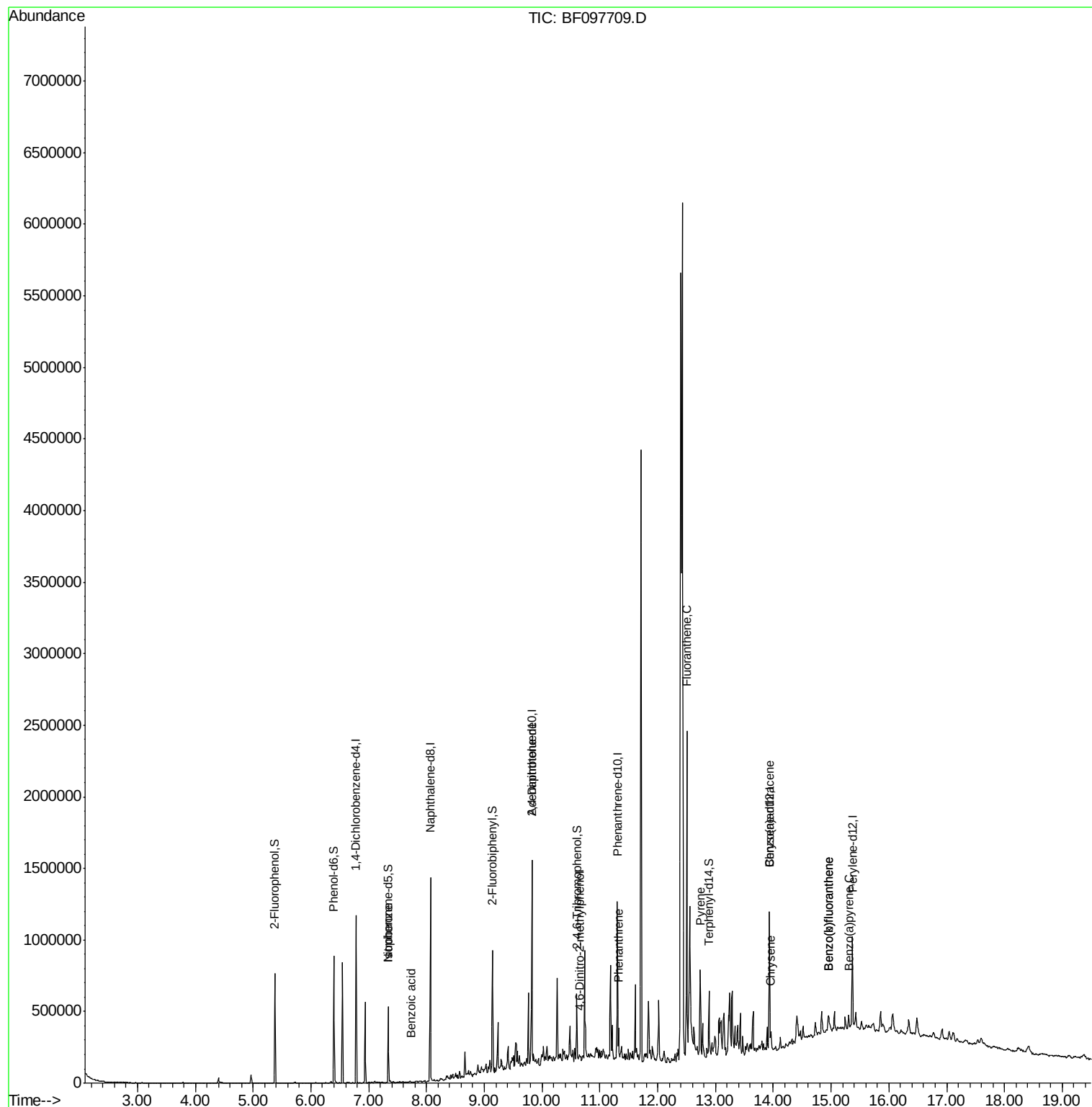
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	152648	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	594101	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	247430	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	391437	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313675	20.00	ng	0.00
86) Perylene-d12	15.37	264	284476	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	187745	18.71	ng	-0.01
7) Phenol-d6	6.40	99	252923	18.55	ng	-0.01
23) Nitrobenzene-d5	7.34	82	143251	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	32943	15.34	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	223217	13.25	ng	0.00
78) Terphenyl-d14	12.89	244	125914	8.37	ng	0.00
Target Compounds						
25) Isophorone	7.34	82	142819	6.28	ng	# 67
32) Benzoic acid	7.74	122	137	6.42	ng	90
56) 2,4-Dinitrotoluene	9.82	165	33114	7.31	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.64	198	281	8.45	ng	# 1
70) Phenanthrene	11.33	178	69635	3.34	ng	98
74) Fluoranthene	12.51	202	105837	4.86	ng	88
77) Pyrene	12.74	202	106207	4.14	ng	98
80) Benzo(a)anthracene	13.93	228	52758	2.81	ng	96
82) Chrysene	13.96	228	50388	2.69	ng	96
87) Benzo(b)fluoranthene	14.96	252	81836	4.56	ng	# 92
88) Benzo(k)fluoranthene	14.96	252	81836	4.86	ng	96
89) Benzo(a)pyrene	15.30	252	43865	2.76	ng	# 90

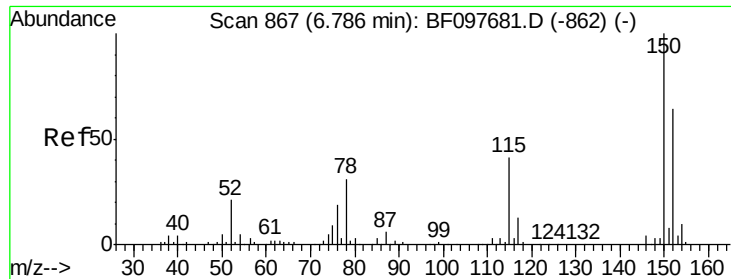
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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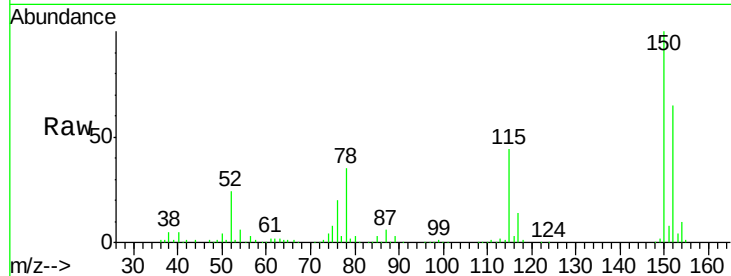




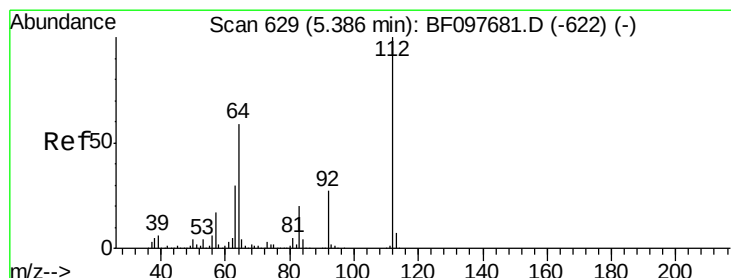
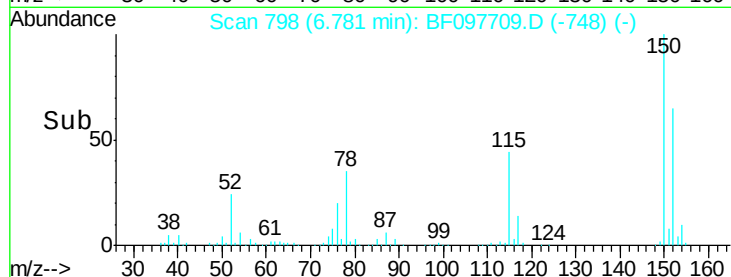
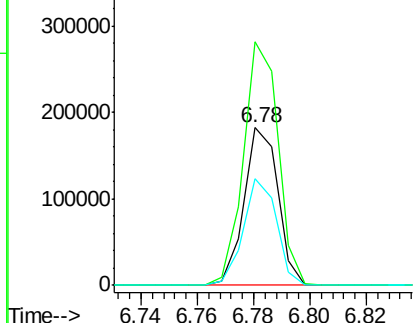
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Tot Ion:152 Resp: 152648
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.2 189.2
 115 67.5 52.2 78.2

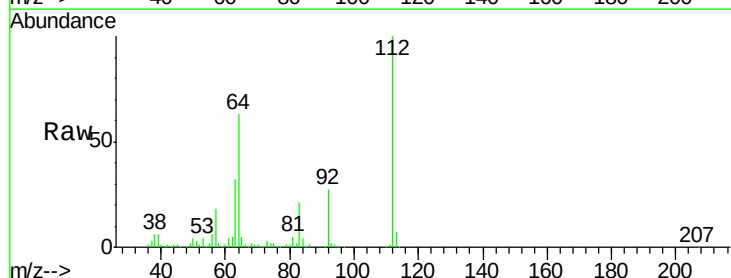


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

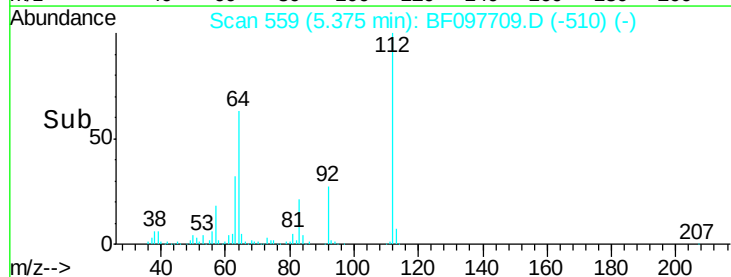
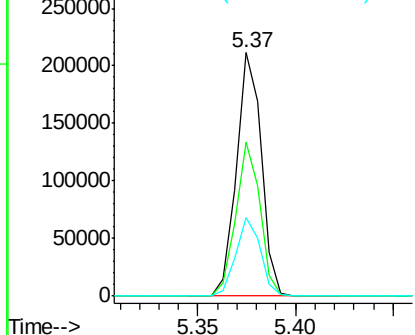


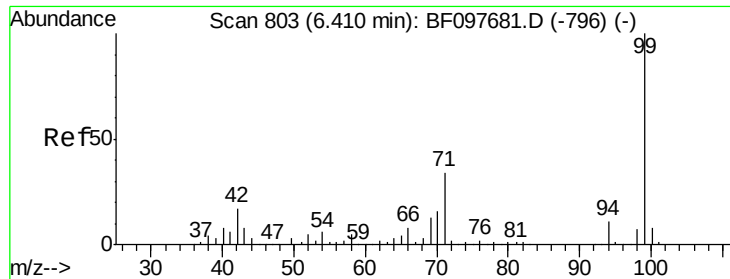
#5
 2-Fluorophenol
 Concen: 18.71 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Tgt Ion:112 Resp: 187745
 Ion Ratio Lower Upper
 112 100
 64 63.1 46.0 69.0
 63 32.1 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: 18.55 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

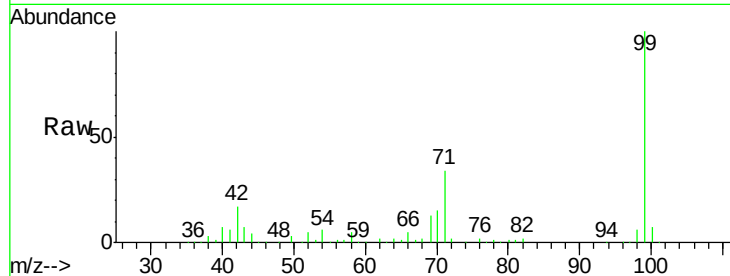
Tot Ion: 99 Resp: 252923

Ion Ratio Lower Upper

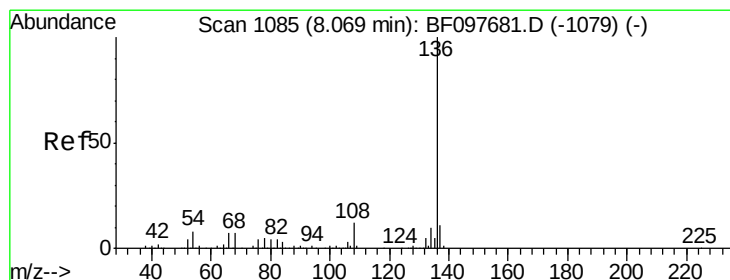
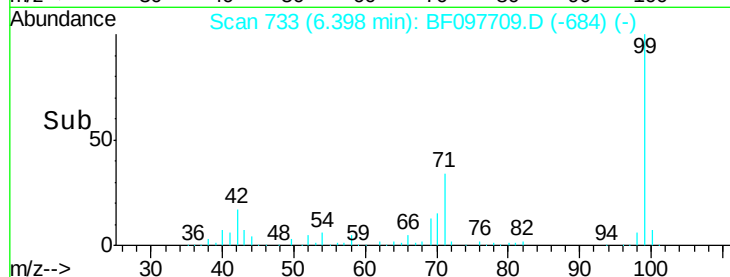
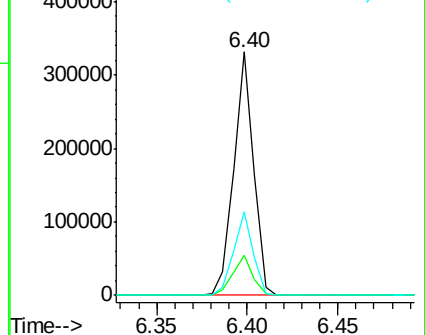
99 100

42 16.6 13.5 20.3

71 34.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Tgt Ion: 136 Resp: 594101

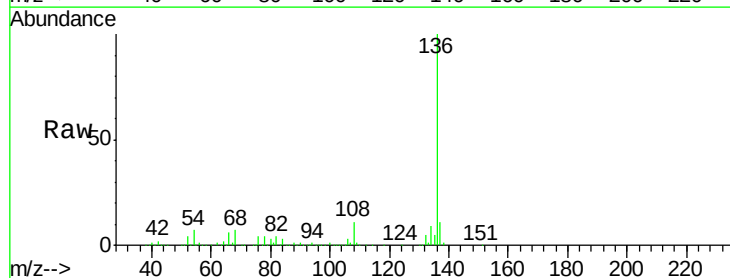
Ion Ratio Lower Upper

136 100

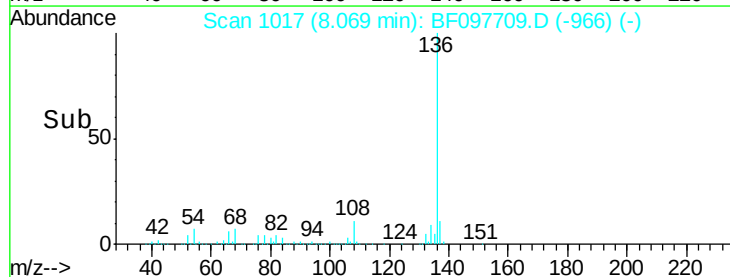
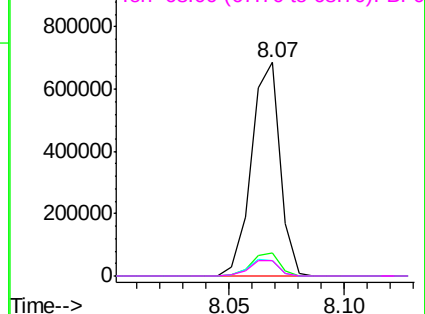
137 10.6 8.5 12.7

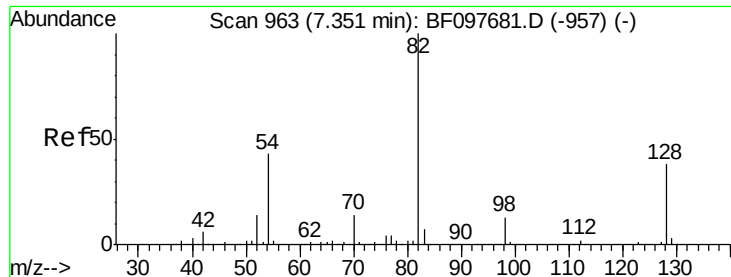
54 7.1 4.9 7.3

68 6.9 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

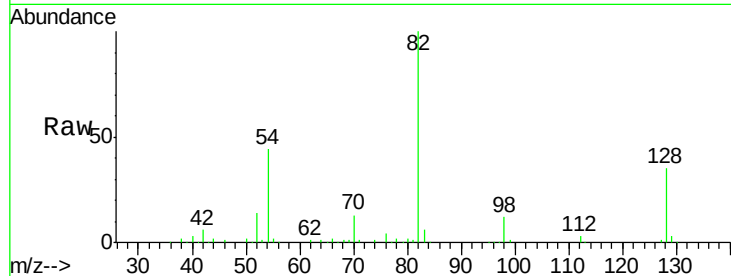




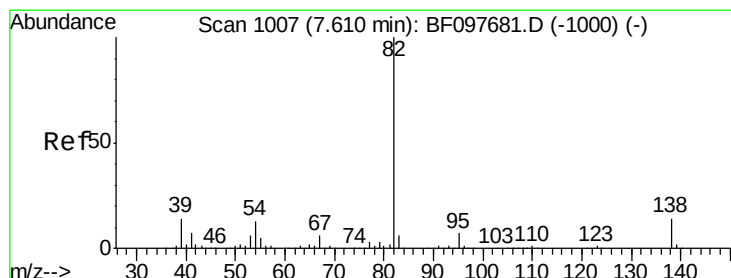
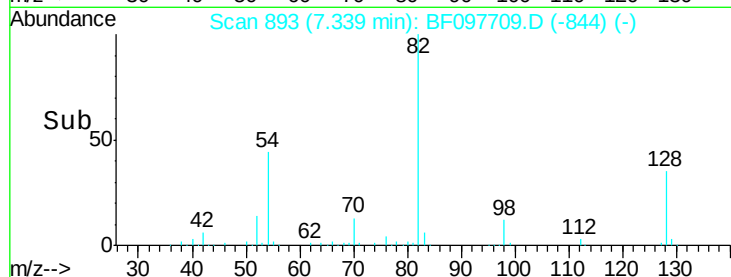
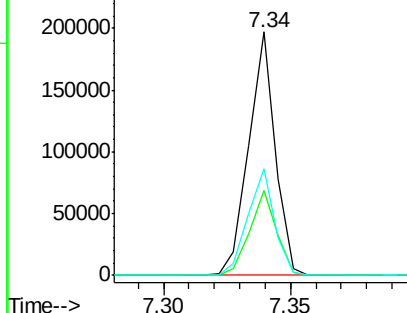
#23
Nitrobenzene-d5
Concen: 13.10 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	82	Resp	143251
Ion Ratio	Lower	Upper	
82	100		
128	34.8	34.0	51.0
54	43.8	42.2	63.2

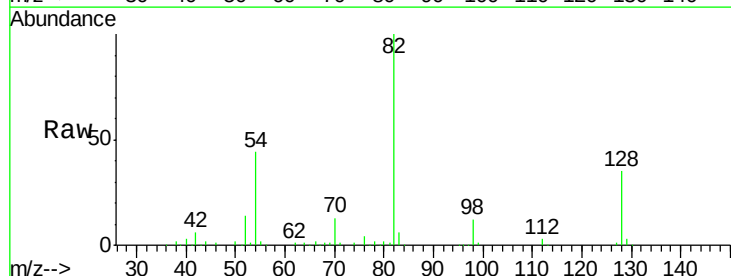


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

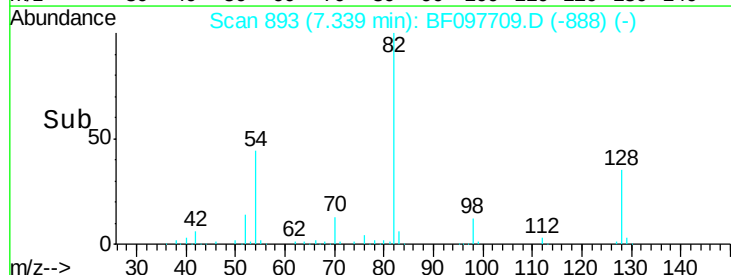
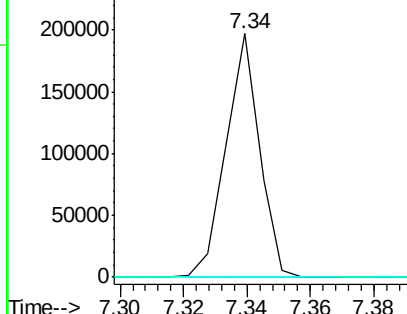


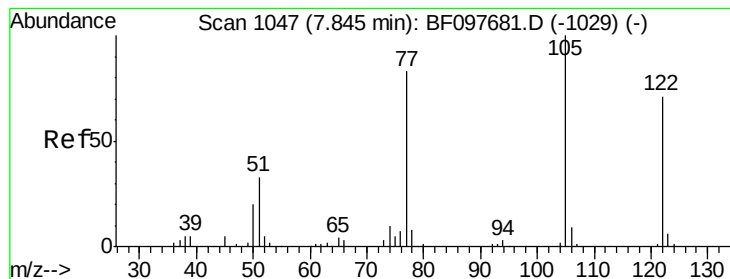
#25
Isophorone
Concen: 6.28 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.27 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion	82	Resp	142819
Ion Ratio	Lower	Upper	
82	100		
95	0.2	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: 6.42 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.11 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

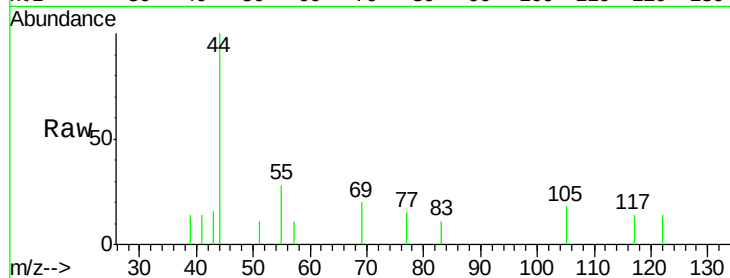
Tot Ion:122 Resp: 137

Ion Ratio Lower Upper

122 100

105 129.6 103.3 143.3

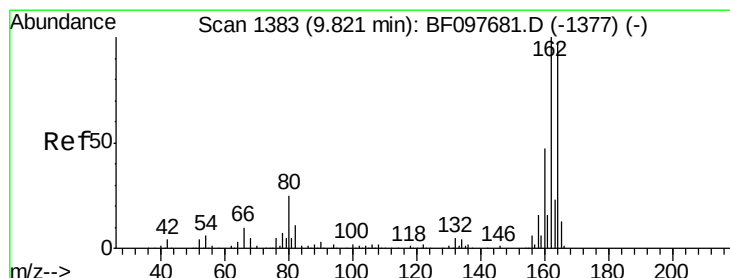
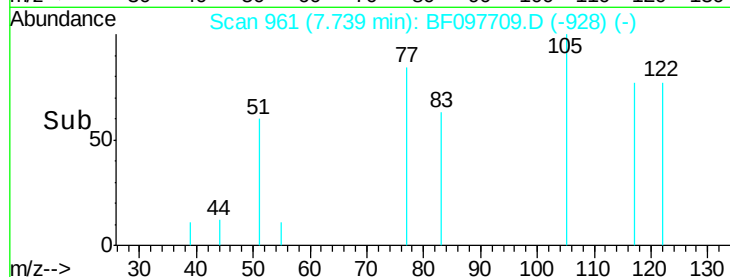
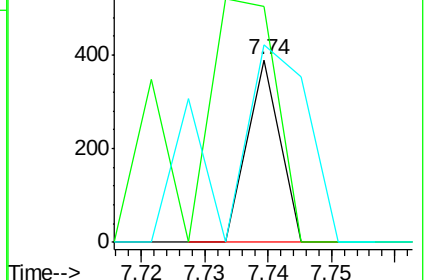
77 108.7 73.7 113.7



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: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

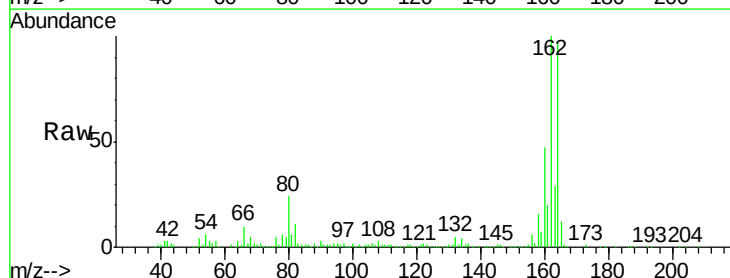
Tgt Ion:164 Resp: 247430

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

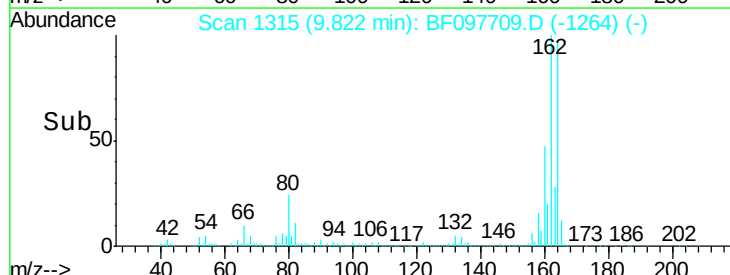
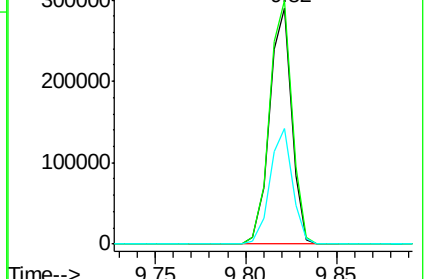
160 48.8 36.2 54.2

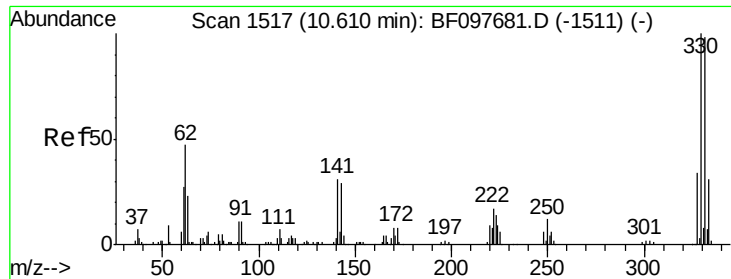


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

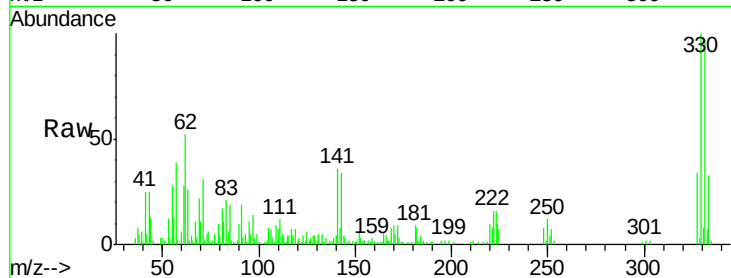




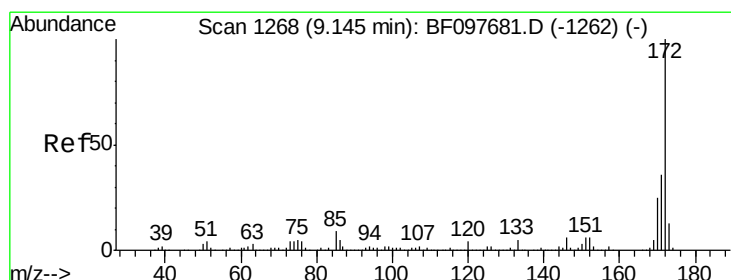
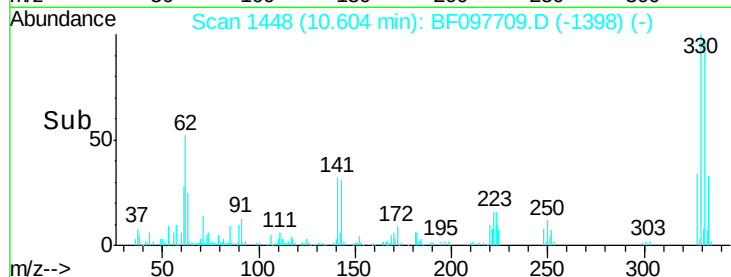
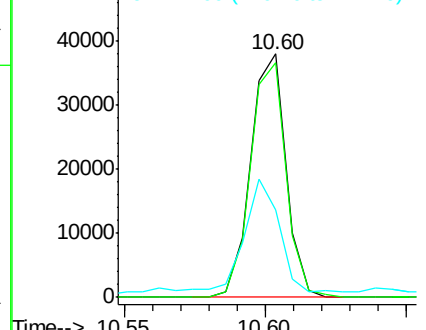
#41
 2,4,6-Tribromophenol
 Concen: 15.34 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Tot Ion:330 Resp: 32943
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 44.6 31.4 47.2

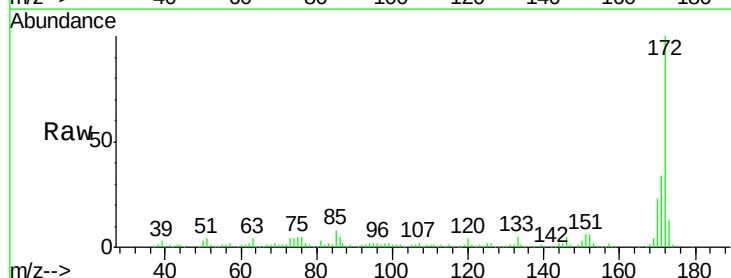


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

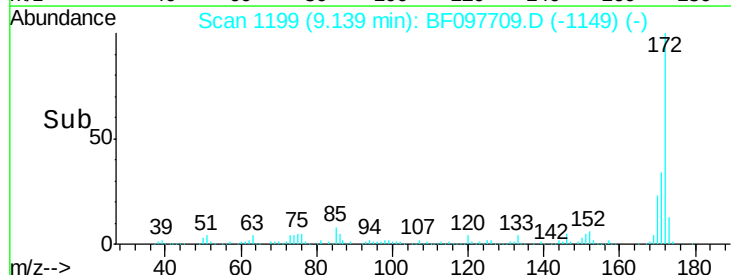
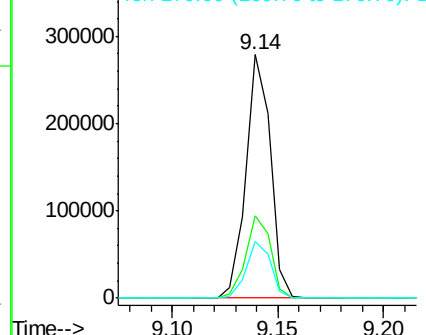


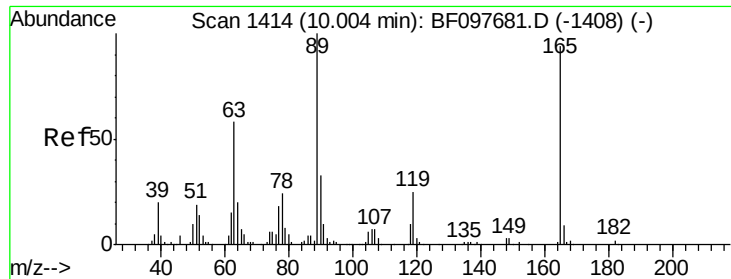
#44
 2-Fluorobiphenyl
 Concen: 13.25 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097709.D
 Acq: 15 Aug 2017 23:47

Tgt Ion:172 Resp: 223217
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.6 44.4
 170 23.4 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





#56

2,4-Dinitrotoluene

Concen: 7.31 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.18 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

Tot Ion:165 Resp: 33114

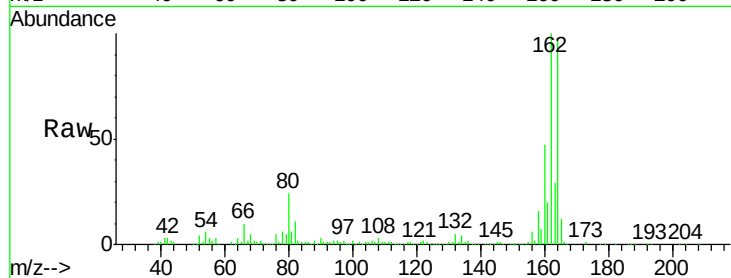
Ion Ratio Lower Upper

165 100

63 2.4 25.4 38.0#

89 2.8 46.4 69.6#

182 1.1 1.8 2.6#

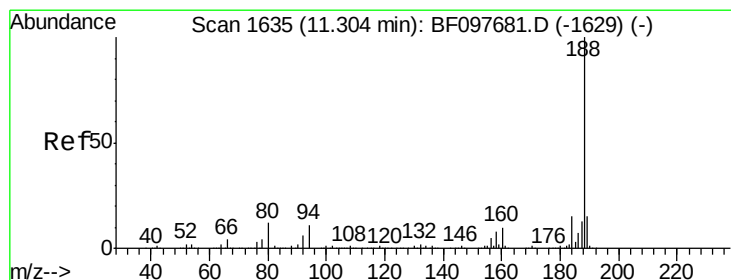
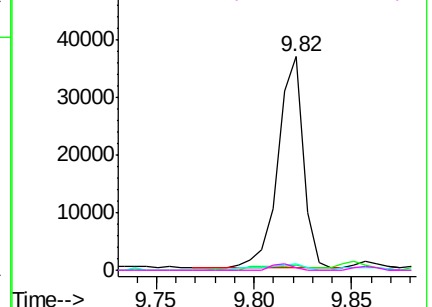
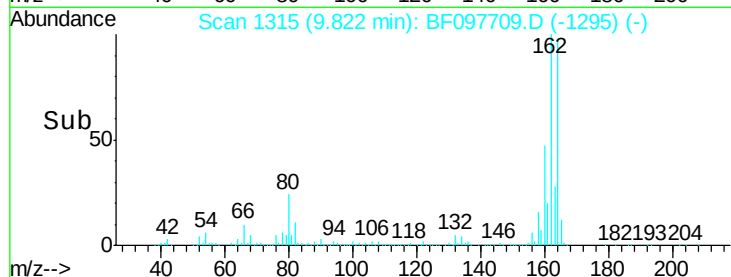


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

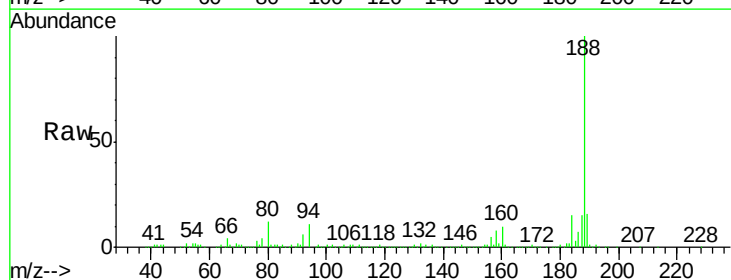
Tgt Ion:188 Resp: 391437

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

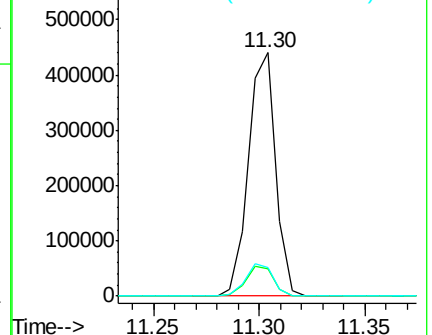
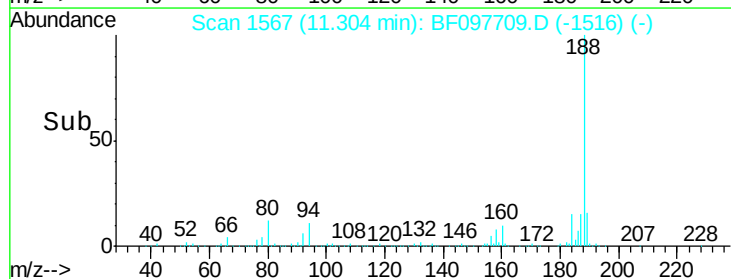
80 11.7 10.2 15.2

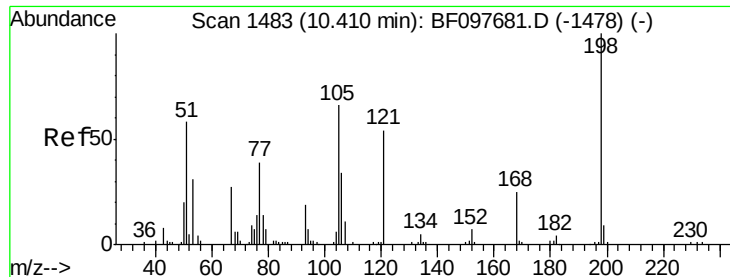


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.45 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.23 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

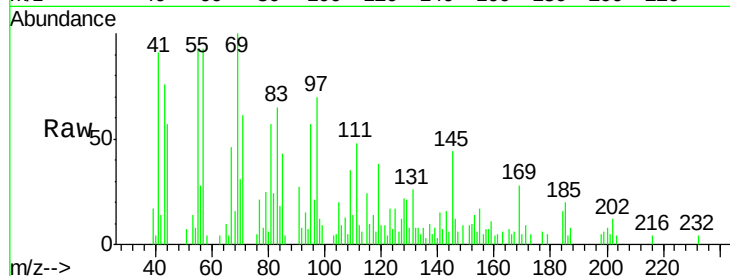
Tot Ion:198 Resp: 281

Ion Ratio Lower Upper

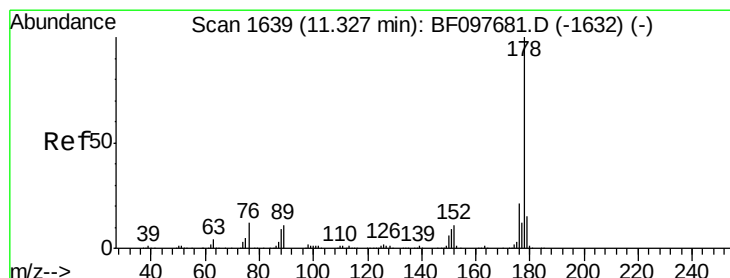
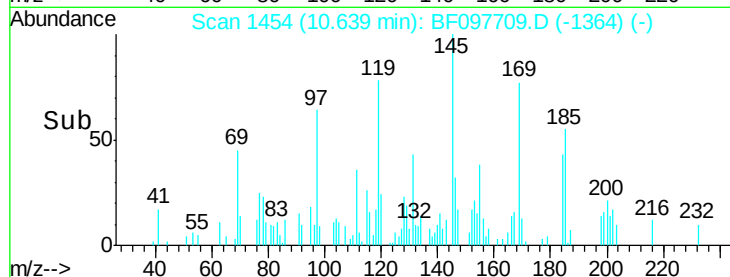
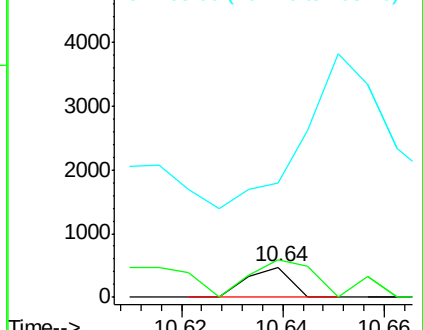
198 100

51 125.6 53.2 93.2#

105 381.2 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



#70

Phenanthrene

Concen: 3.34 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

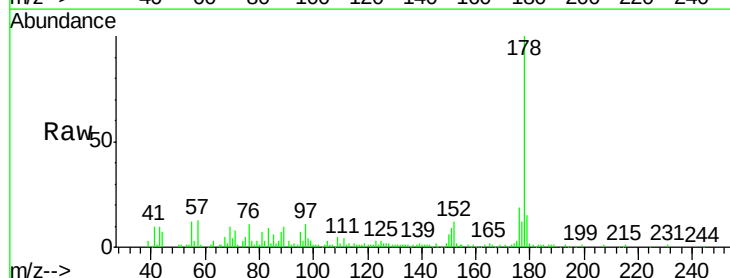
Tgt Ion:178 Resp: 69635

Ion Ratio Lower Upper

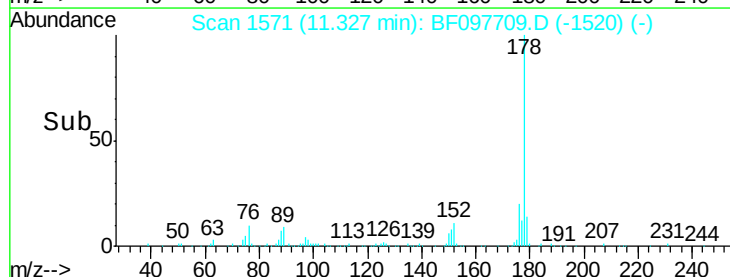
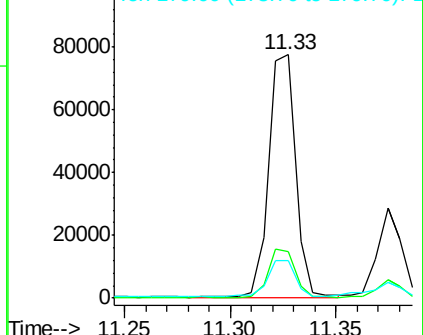
178 100

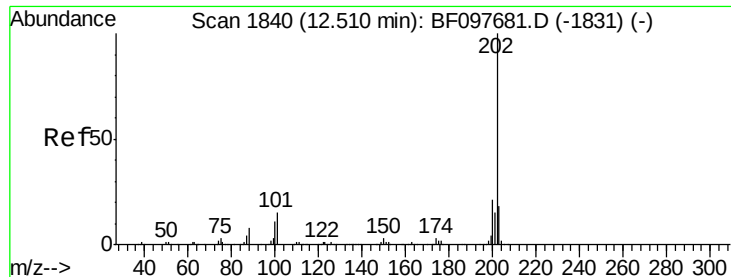
176 19.3 16.2 24.4

179 15.3 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: 4.86 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

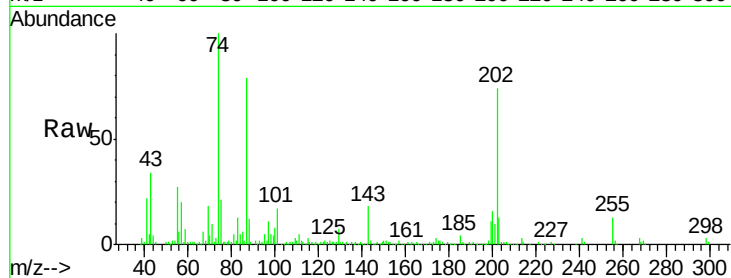
Tot Ion:202 Resp: 105837

Ion Ratio Lower Upper

202 100

101 23.5 0.0 33.2

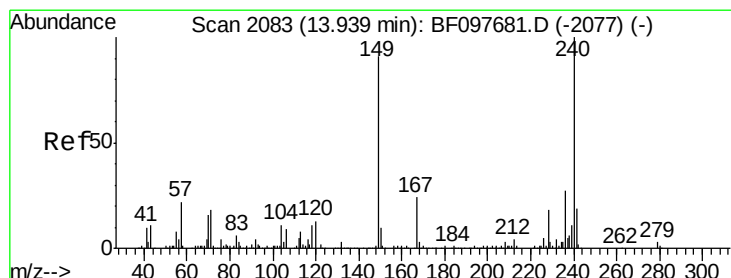
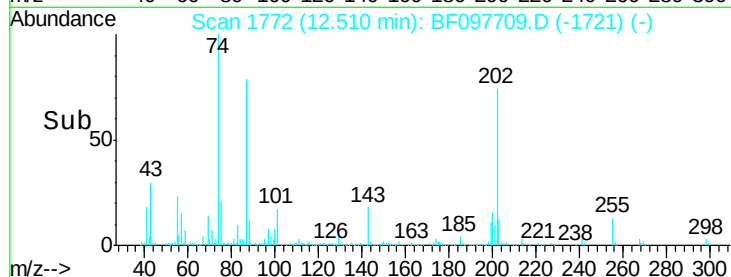
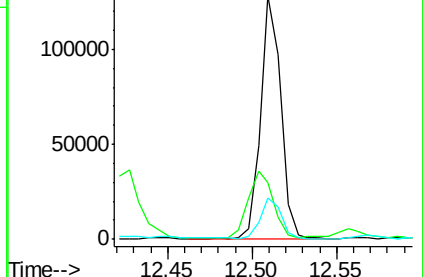
203 17.0 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

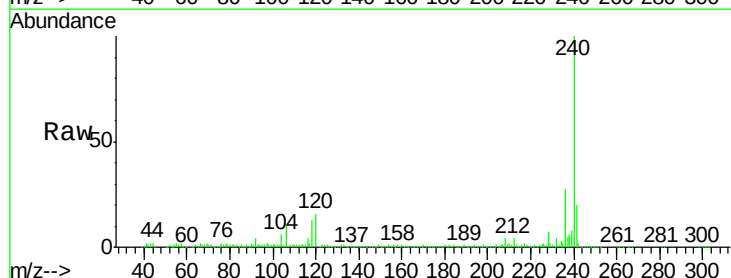
Tgt Ion:240 Resp: 313675

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

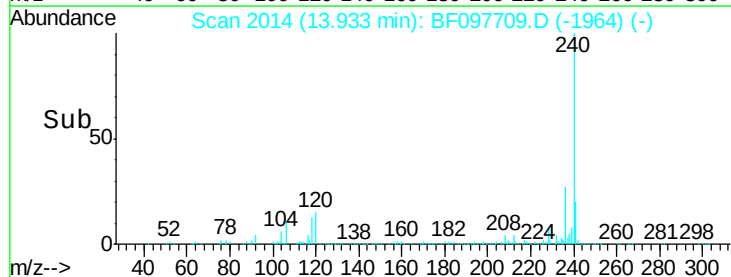
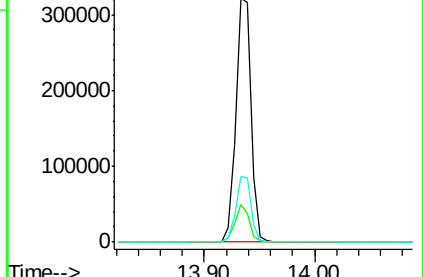
236 26.9 20.5 30.7

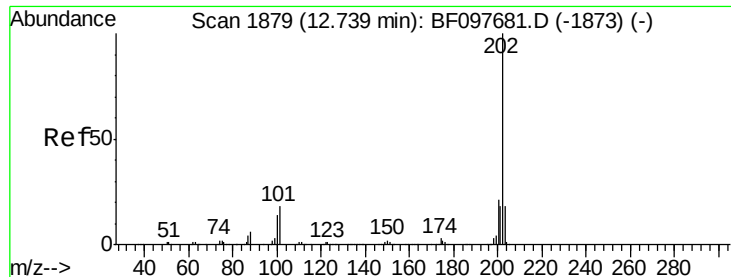


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.14 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

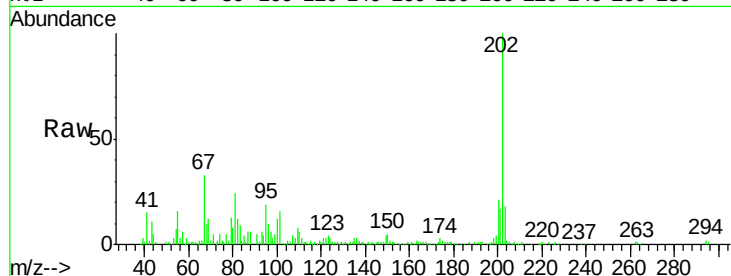
Tot Ion:202 Resp: 106207

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

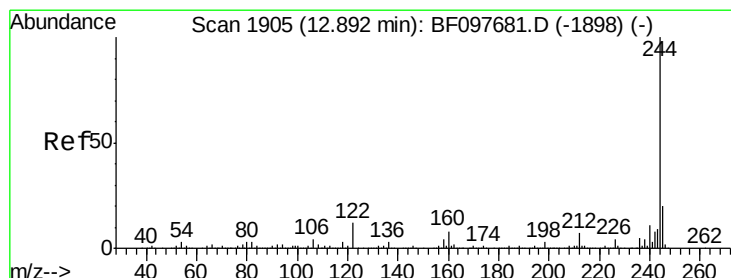
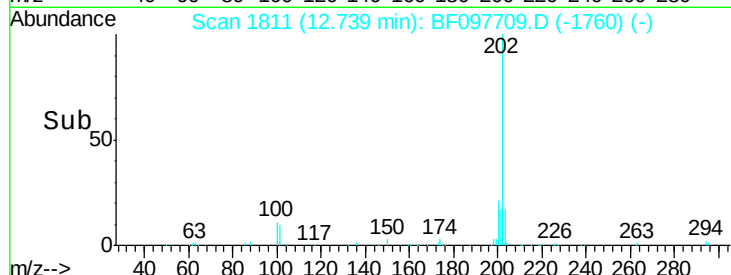
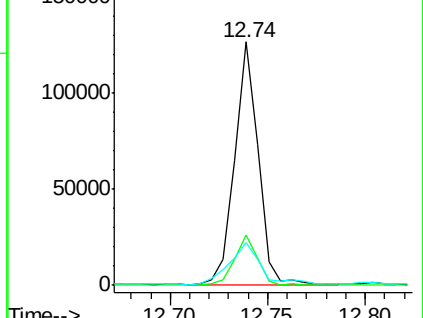
203 17.6 14.4 21.6



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: 8.37 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

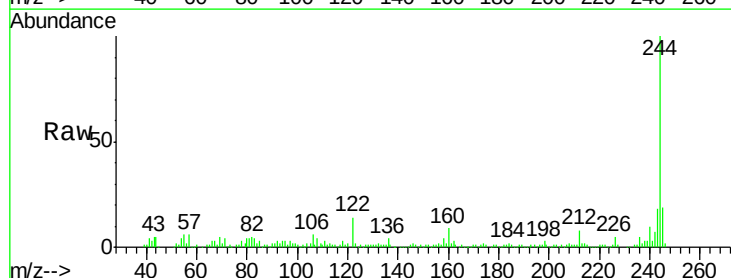
Tgt Ion:244 Resp: 125914

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

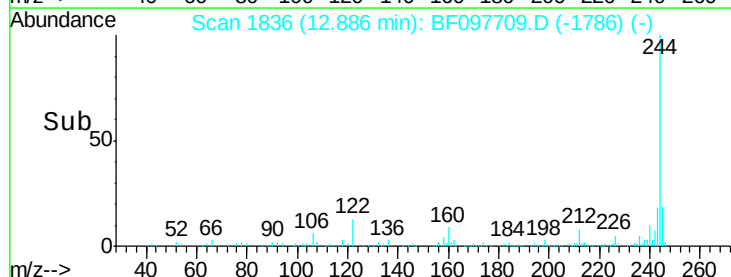
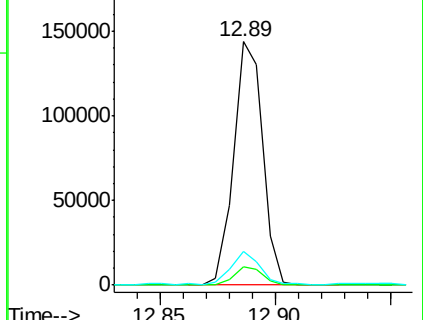
122 13.8 10.3 15.5

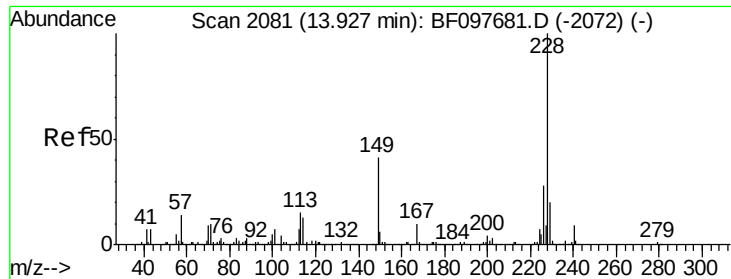


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-C

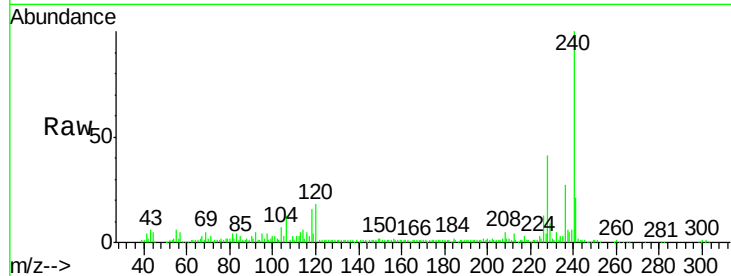
Tot Ion:228 Resp: 52758

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

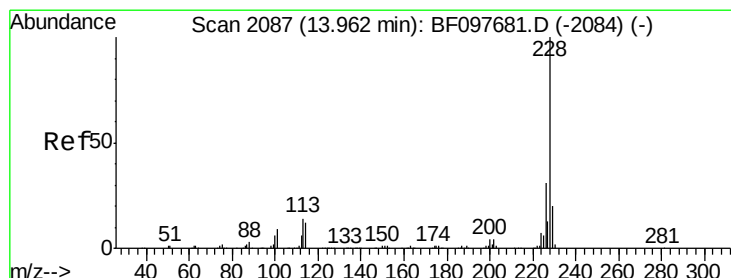
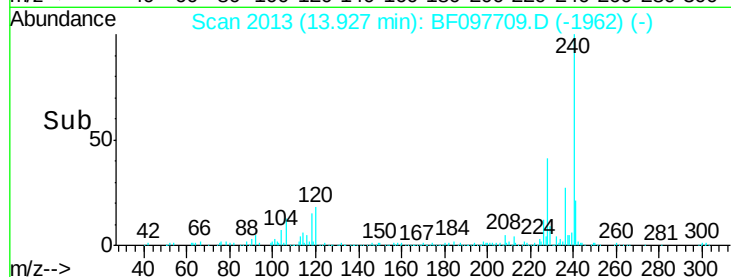
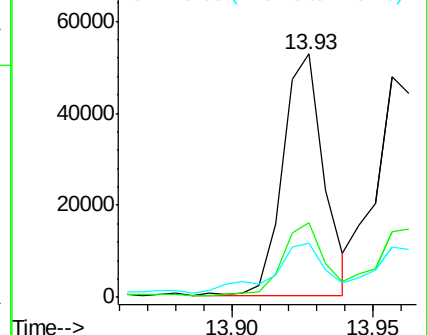
229 22.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.69 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097709.D

Acq: 15 Aug 2017 23:47

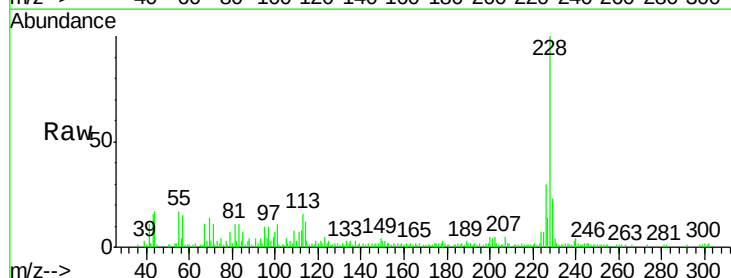
Tgt Ion:228 Resp: 50388

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

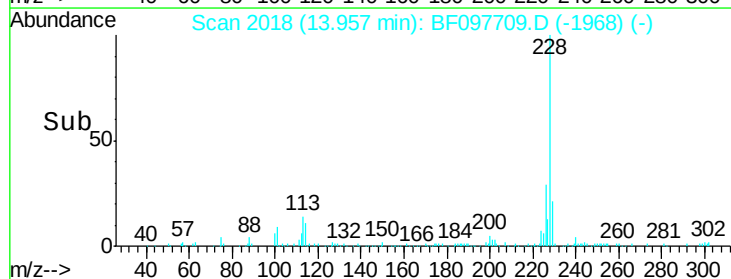
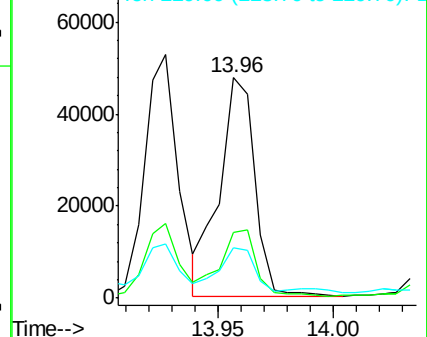
229 22.8 15.8 23.6

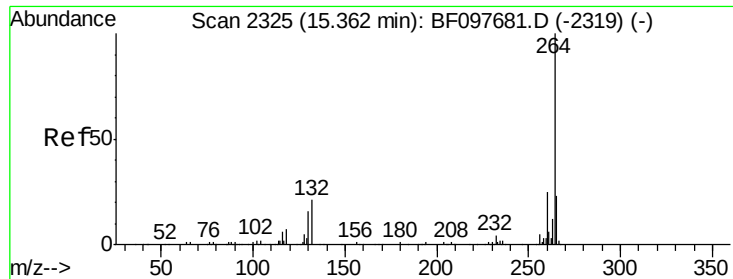


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

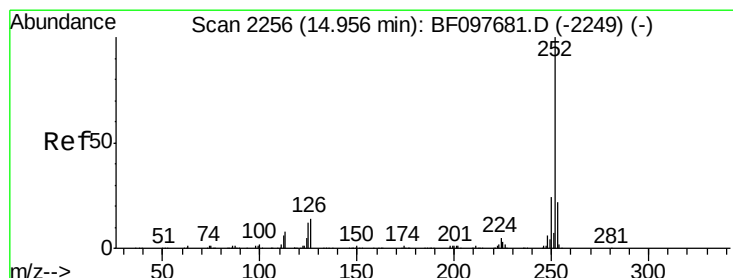
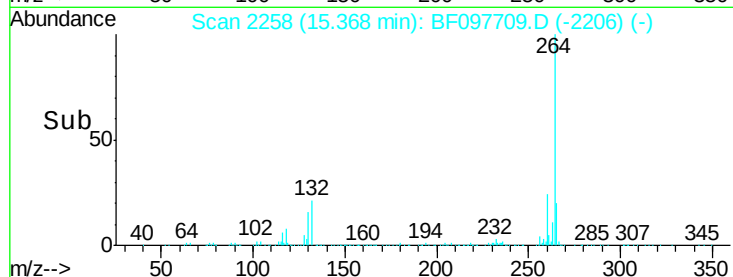
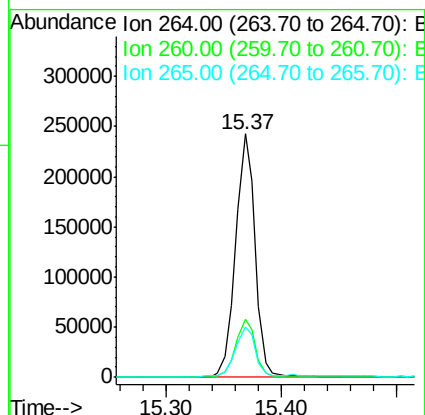
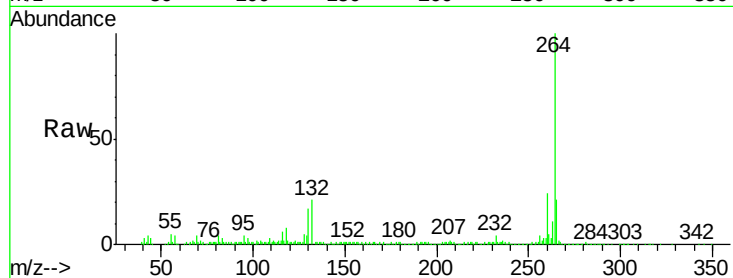




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

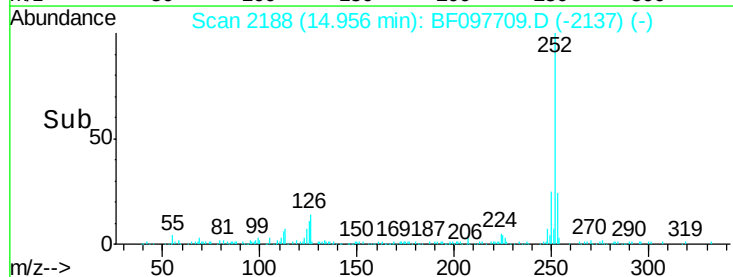
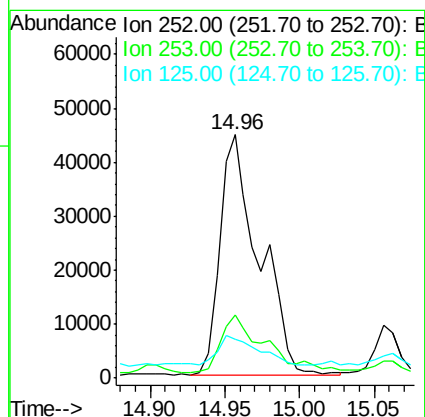
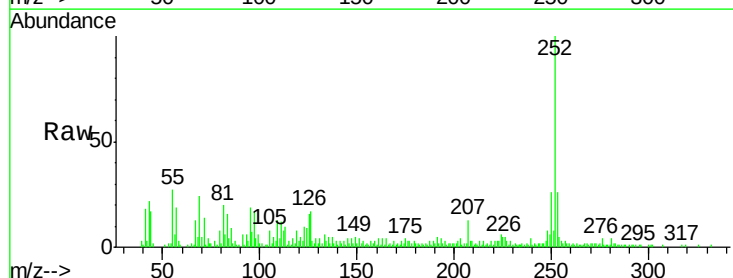
Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

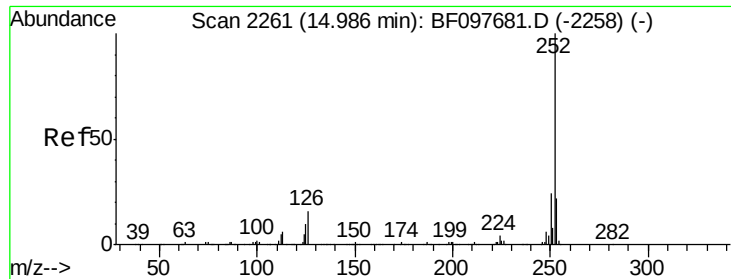
Tot Ion:264 Resp: 284476
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 20.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.56 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion:252 Resp: 81836
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 16.1 9.8 14.8#

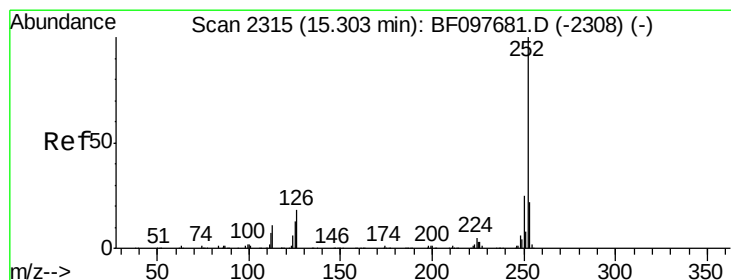
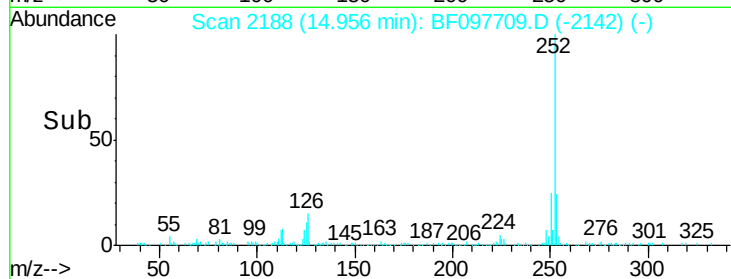
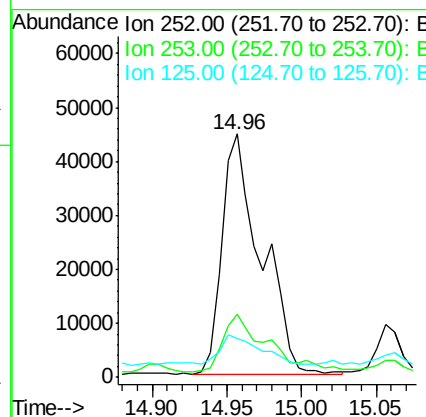
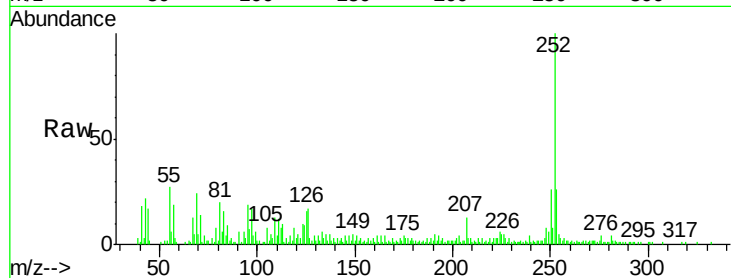




#88
Benzo(k)fluoranthene
Concen: 4.86 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.4	27.6
125	16.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.76 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097709.D
Acq: 15 Aug 2017 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	19.7	11.0	16.4

