

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097756.D
 Acq On : 16 Aug 2017 23:22
 Operator : SJ/JU
 Sample : I4739-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

Quant Time: Aug 17 01:29:10 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

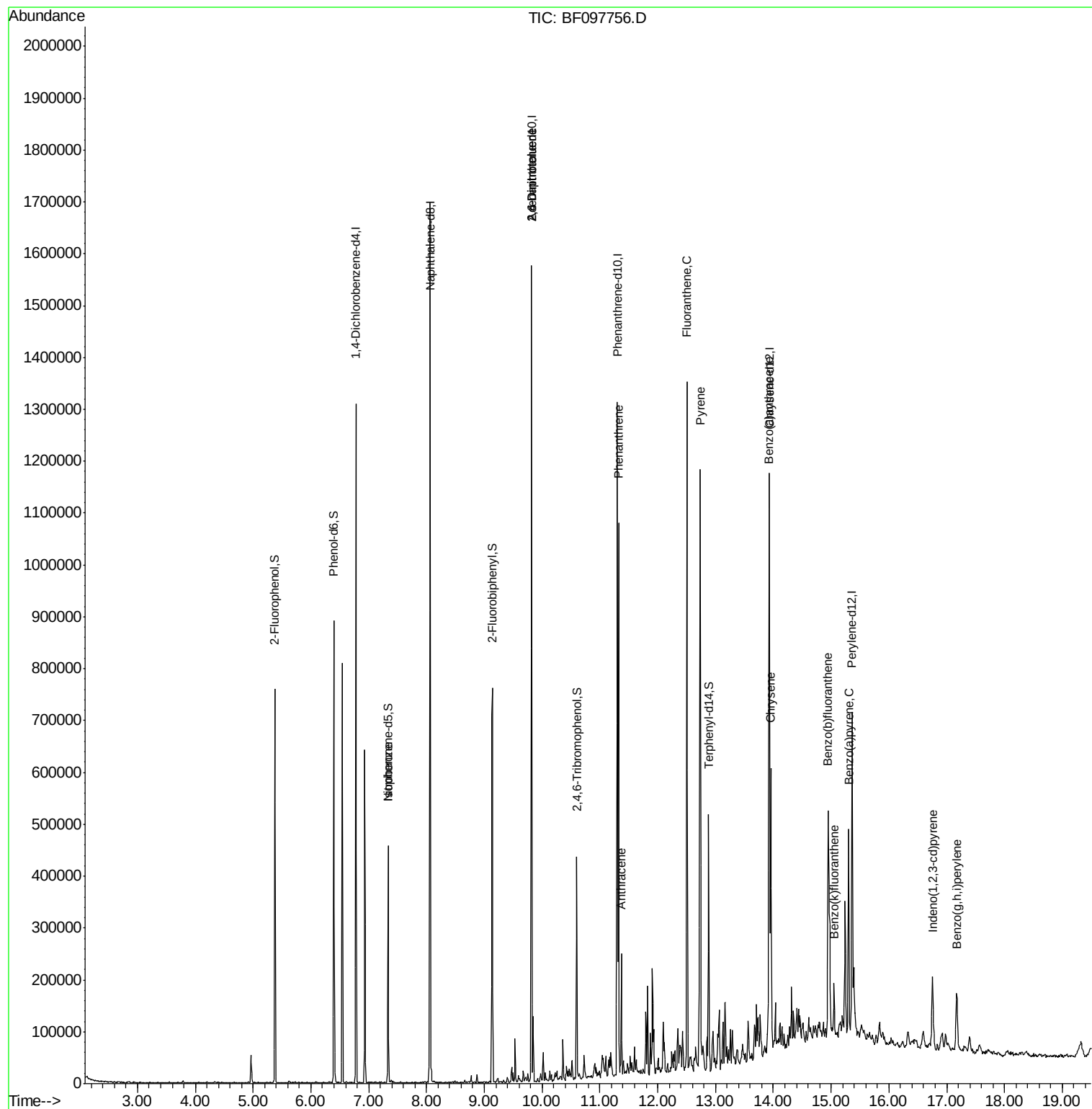
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	167743	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	639143	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	266444	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	417280	20.00	ng	0.00
75) Chrysene-d12	13.93	240	297238	20.00	ng	0.00
86) Perylene-d12	15.36	264	265720	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	184903	16.77	ng	-0.01
7) Phenol-d6	6.40	99	256525	17.12	ng	-0.01
23) Nitrobenzene-d5	7.33	82	149315	12.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	32198	13.93	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	217060	11.97	ng	0.00
78) Terphenyl-d14	12.88	244	124889	8.76	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	149180	6.10	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	34479	8.87	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	34479	7.07	ng	# 34
70) Phenanthrene	11.32	178	316733	14.24	ng	99
71) Anthracene	11.37	178	82754	3.67	ng	98
74) Fluoranthene	12.51	202	478113	20.60	ng	99
77) Pyrene	12.74	202	466573	19.19	ng	98
80) Benzo(a)anthracene	13.92	228	205384	11.53	ng	98
82) Chrysene	13.96	228	175497	9.90	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	88502	6.79	ng	# 92
87) Benzo(b)fluoranthene	14.95	252	308286	18.41	ng	99
88) Benzo(k)fluoranthene	15.06	252	34810	2.21	ng	92
89) Benzo(a)pyrene	15.30	252	174064	11.74	ng	97
91) Benzo(a,h,i)perylene	17.17	276	82701	6.57	ng	93

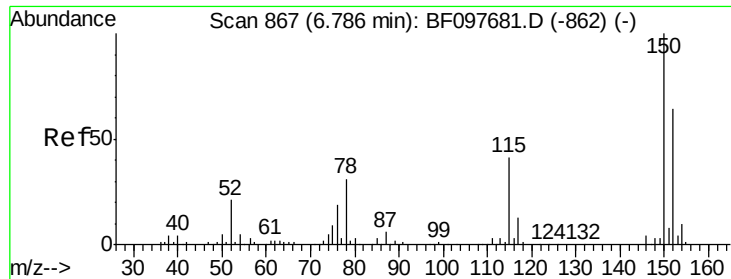
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

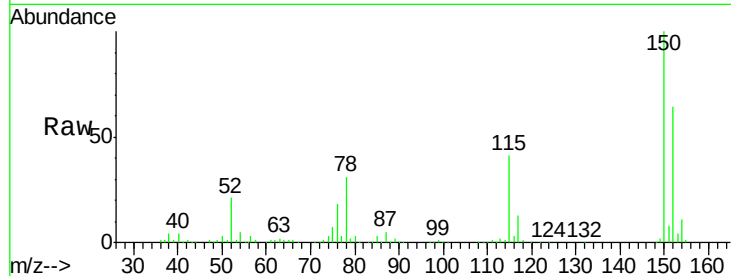
Tot Ion:152 Resp: 167743

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

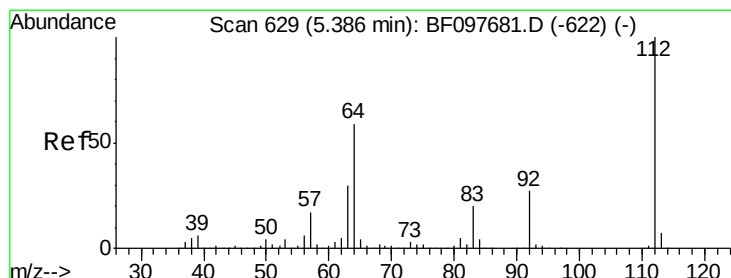
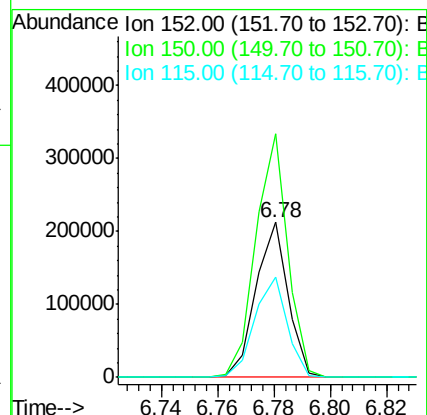
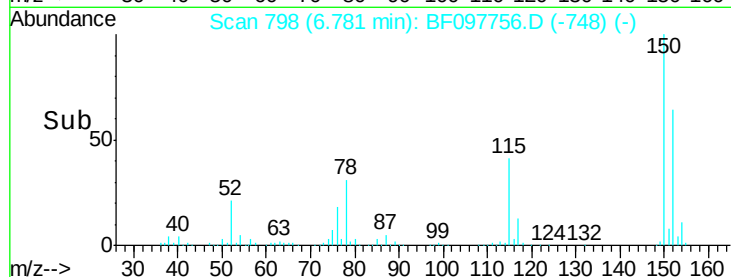
115 64.5 52.2 78.2



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: 16.77 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

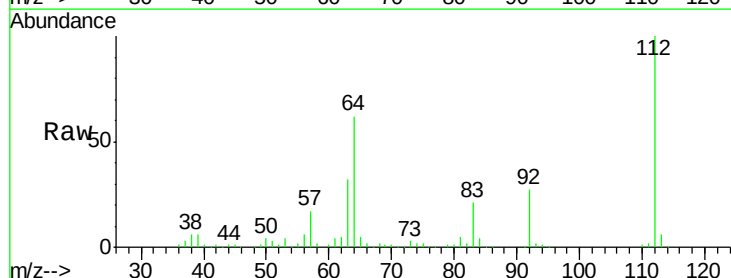
Tgt Ion:112 Resp: 184903

Ion Ratio Lower Upper

112 100

64 62.2 46.0 69.0

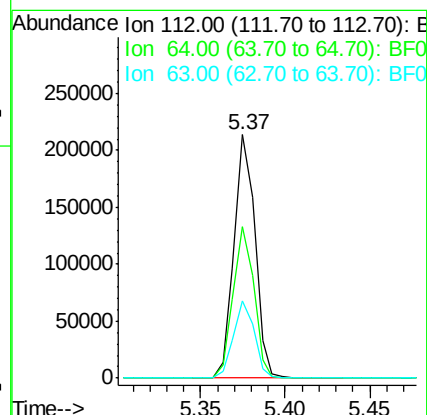
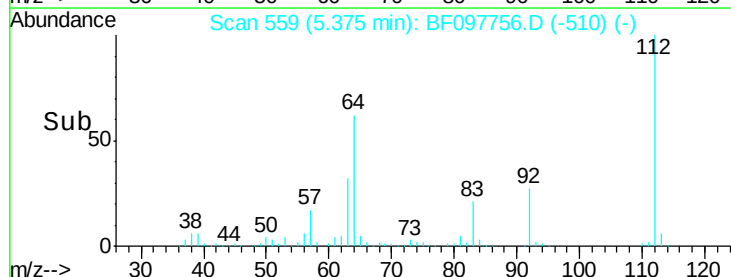
63 31.8 23.4 35.0

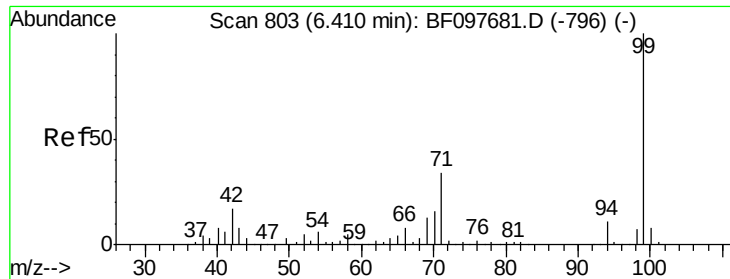


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.12 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

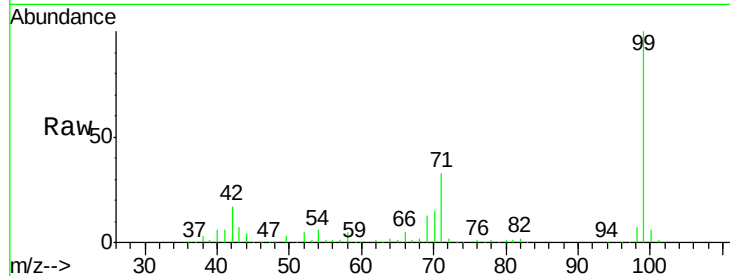
Tot Ion: 99 Resp: 256525

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

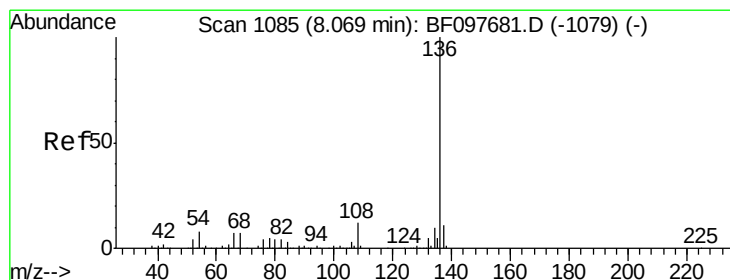
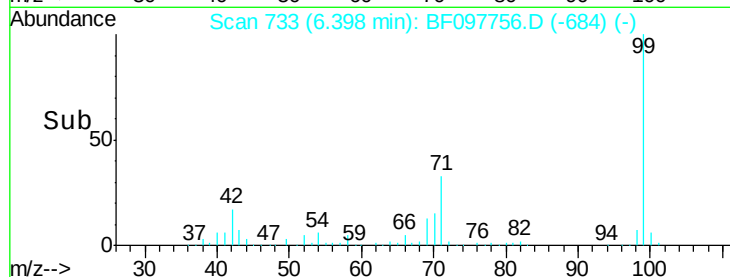
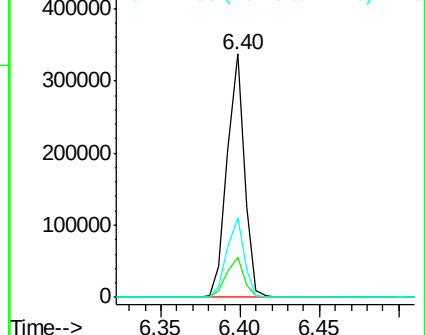
71 32.9 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Tgt Ion: 136 Resp: 639143

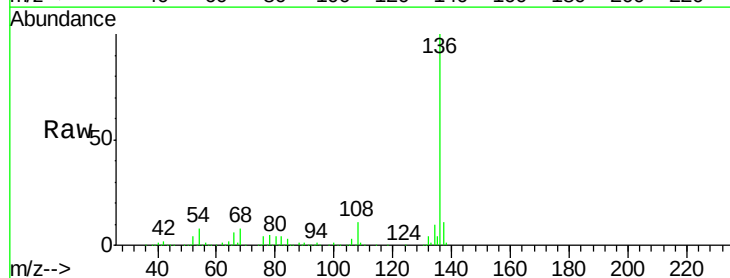
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.9 4.9 7.3#

68 7.6 4.1 6.1#

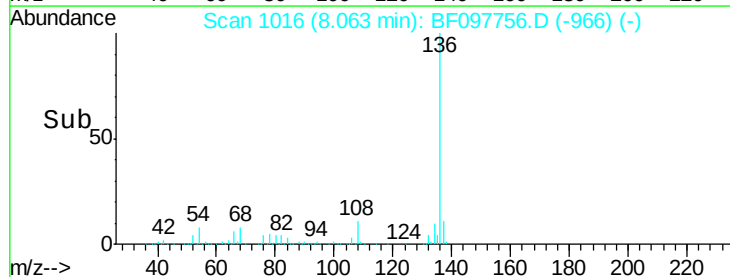
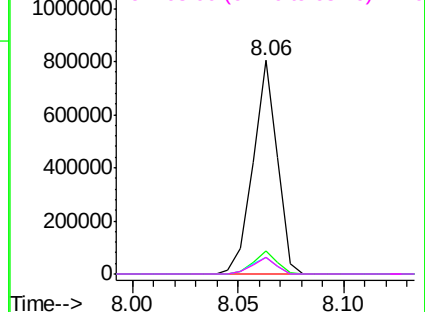


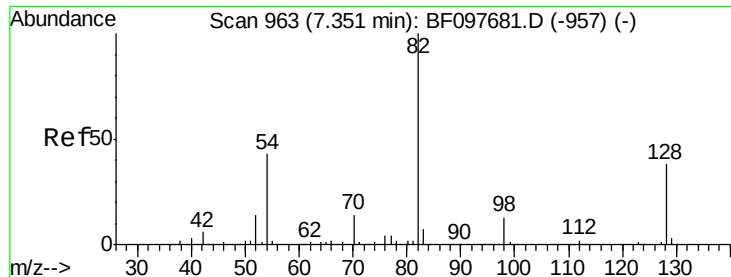
Abundance Ion 136.00 (135.70 to 136.70): E

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

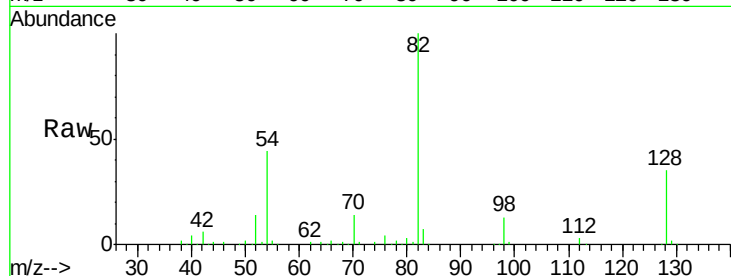




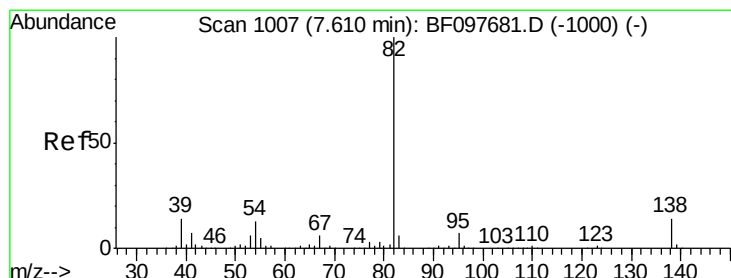
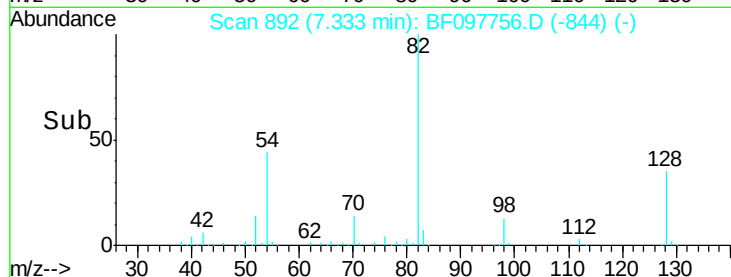
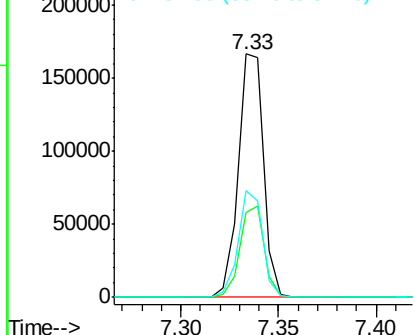
#23
Nitrobenzene-d5
Concen: 12.69 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
S11-WC-6

Tot Ion	82	Resp	149315
Ion Ratio	100	Lower	Upper
128	35.0	34.0	51.0
54	43.8	42.2	63.2

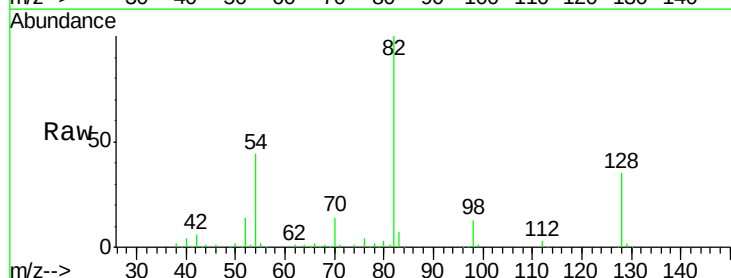


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

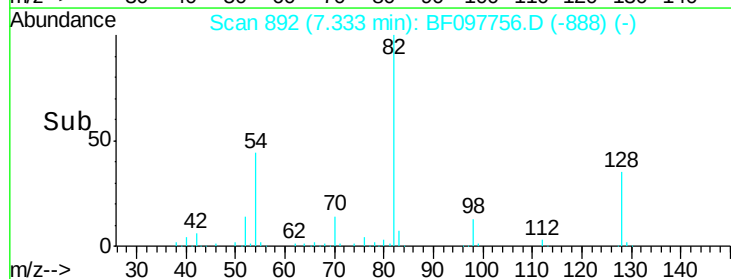
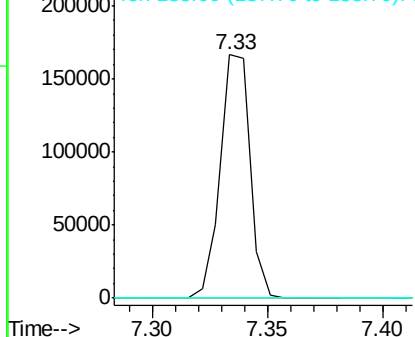


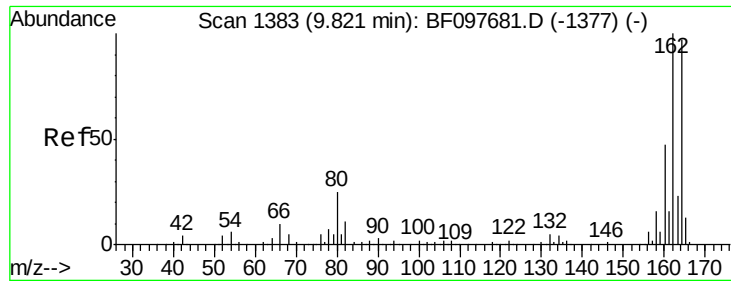
#25
Isophorone
Concen: 6.10 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	82	Resp	149180
Ion Ratio	100	Lower	Upper
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

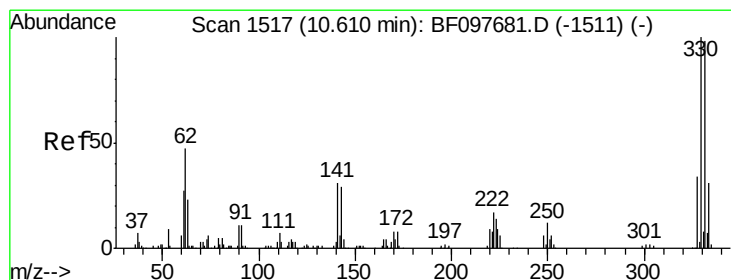
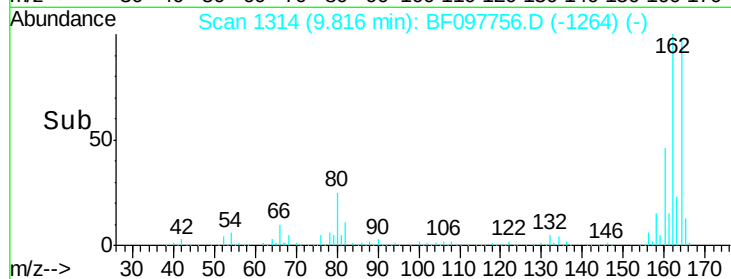
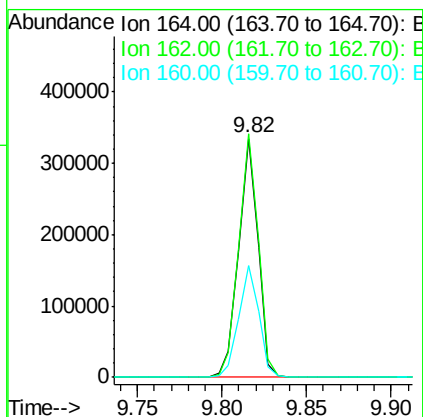
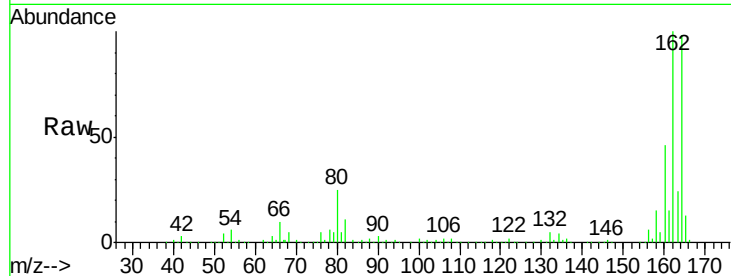




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

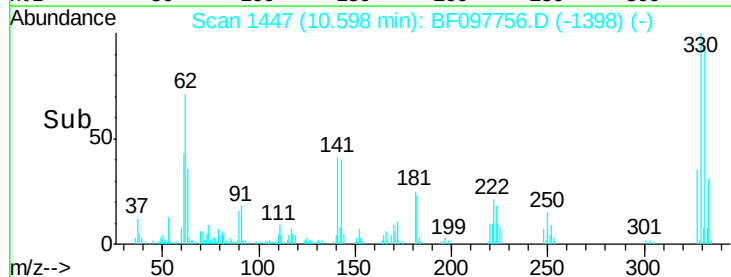
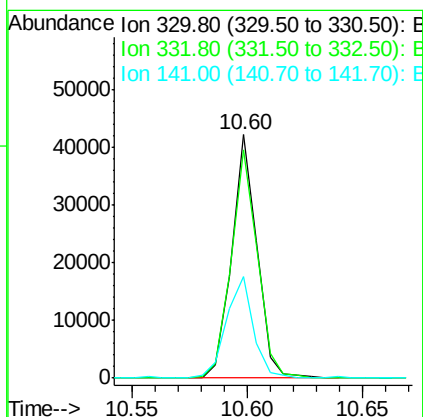
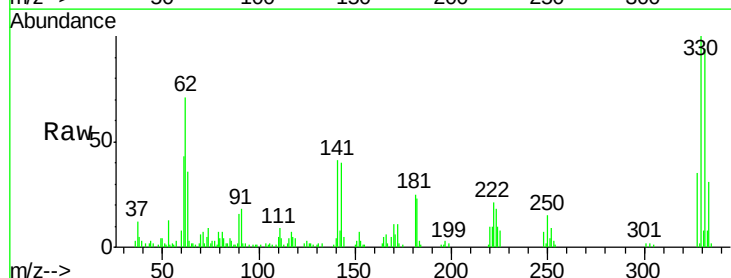
Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

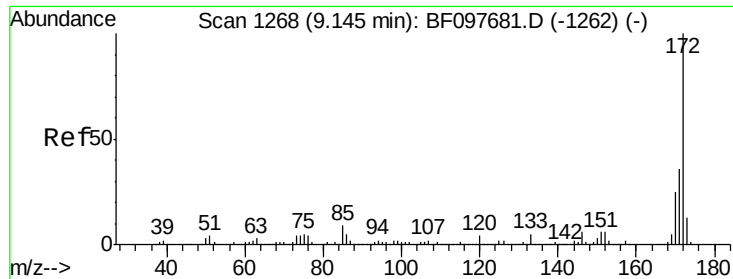
Tot Ion:164 Resp: 266444
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 46.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 13.93 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion:330 Resp: 32198
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 44.2 31.4 47.2

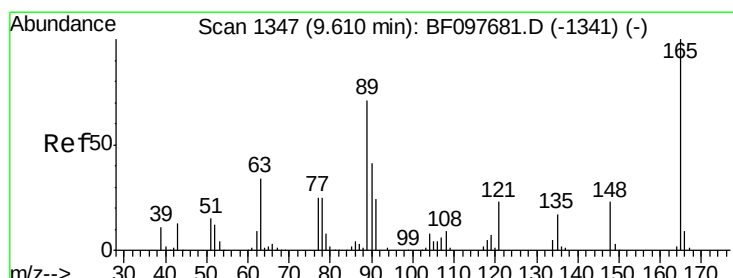
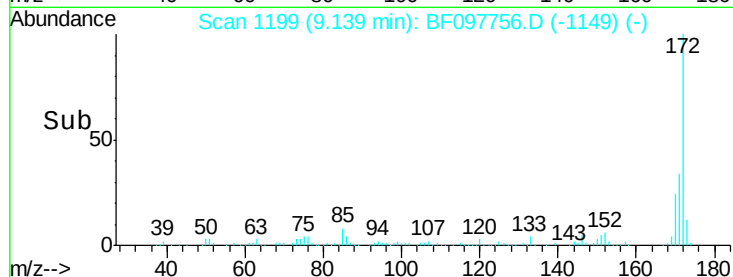
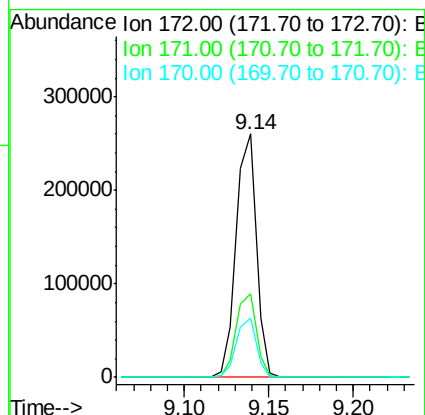
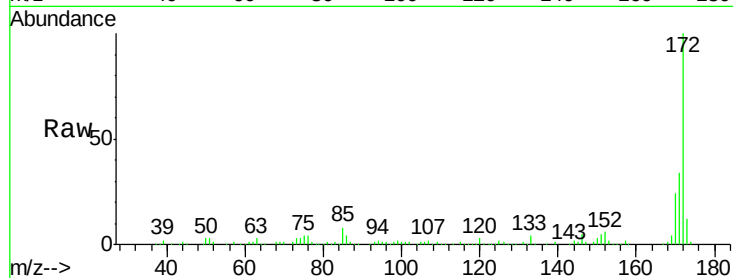




#44
 2-Fluorobiphenyl
 Concen: 11.97 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

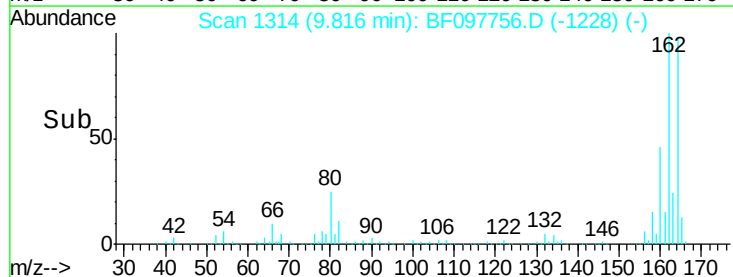
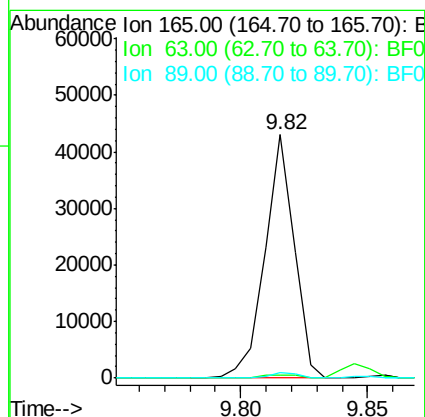
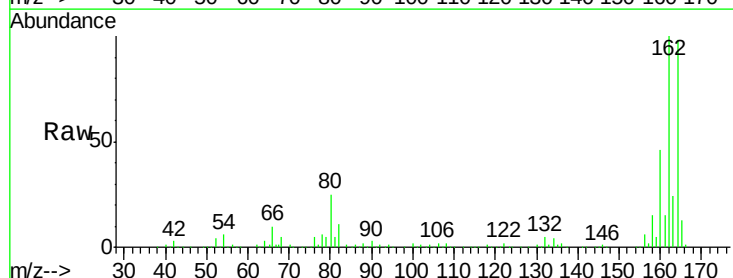
Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

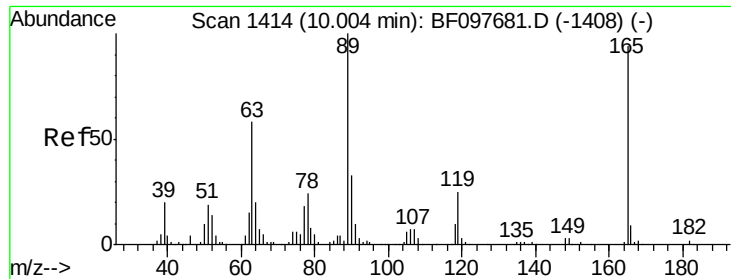
Tot Ion:172 Resp: 217060
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.6 44.4
 170 24.4 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.87 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion:165 Resp: 34479
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.3 51.5#
 89 2.0 37.1 55.7#

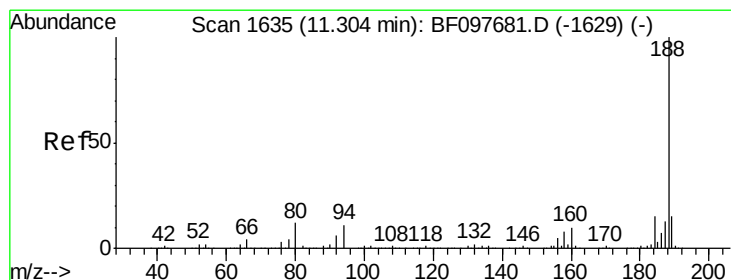
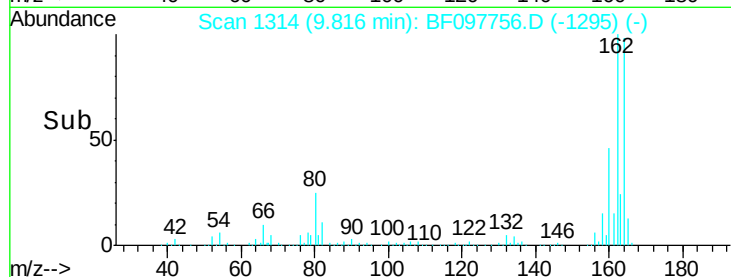
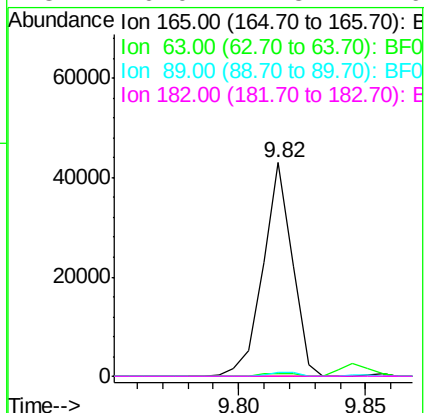
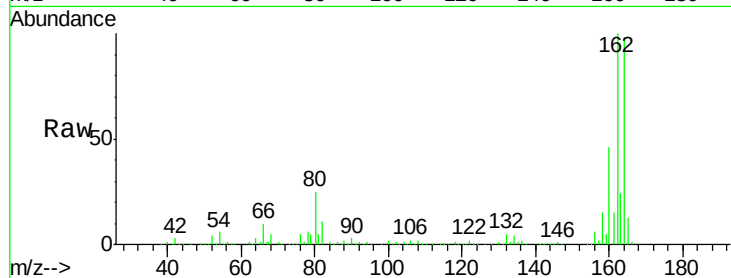




#56
 2,4-Dinitrotoluene
 Concen: 7.07 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

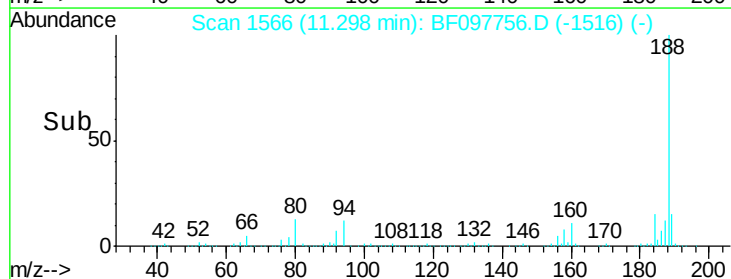
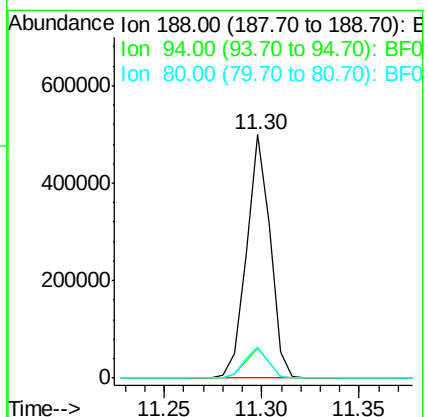
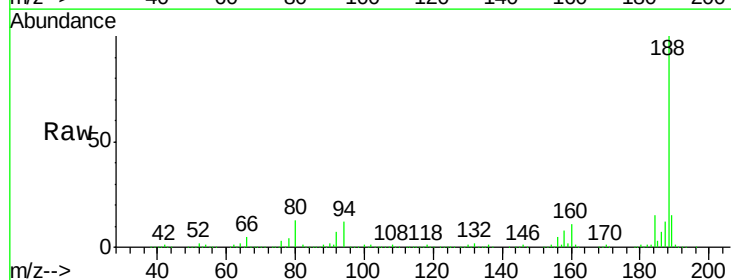
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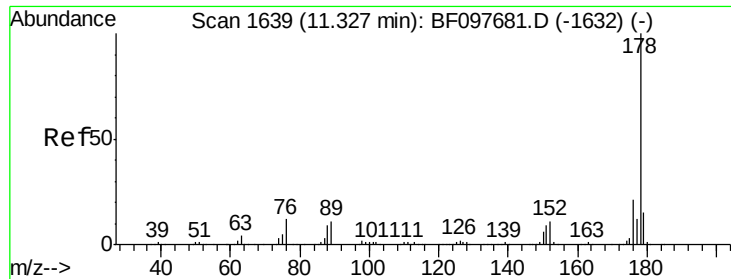
Tot Ion:	165	Resp:	34479
Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion:	188	Resp:	417280
Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.9	10.2	15.2





#70

Phenanthrene

Concen: 14.24 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampled :

S11-WC-6

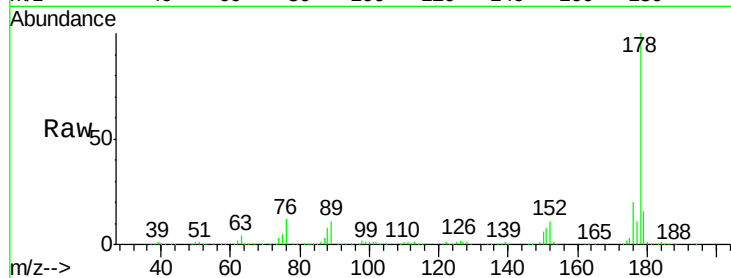
Tot Ion:178 Resp: 316733

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

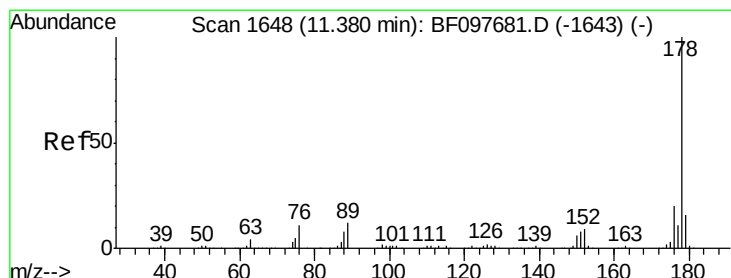
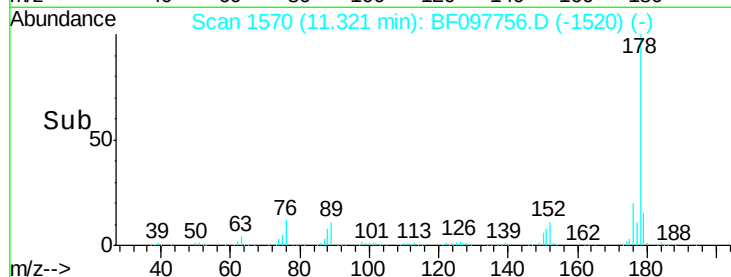
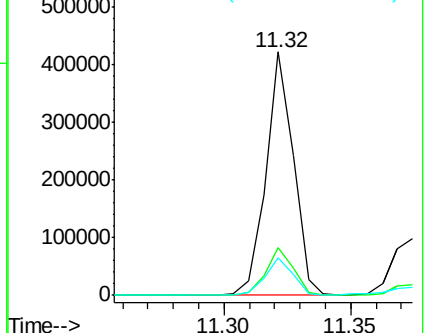
179 15.6 12.6 19.0



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: 3.67 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

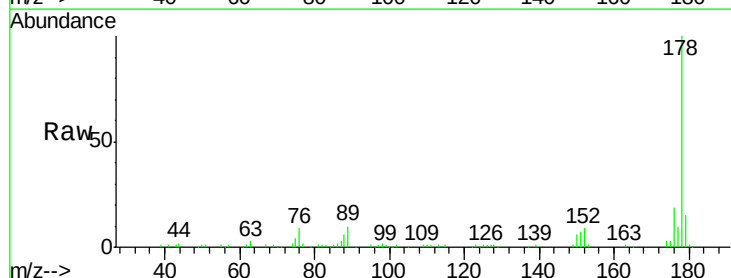
Tgt Ion:178 Resp: 82754

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

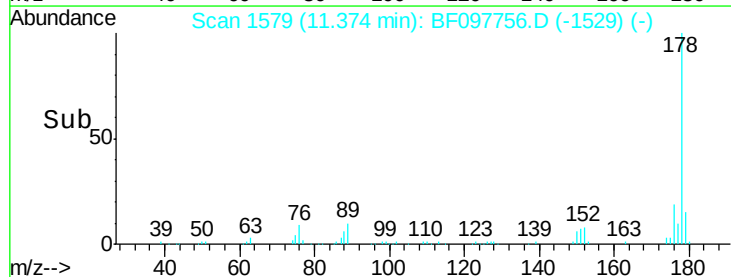
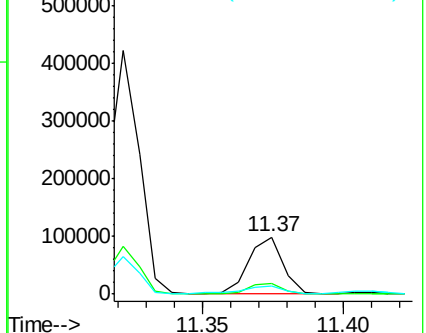
179 15.2 12.7 19.1

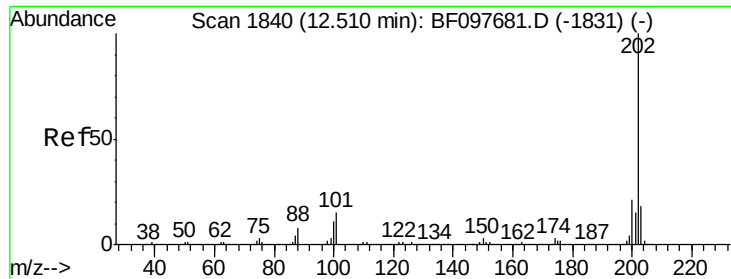


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.60 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

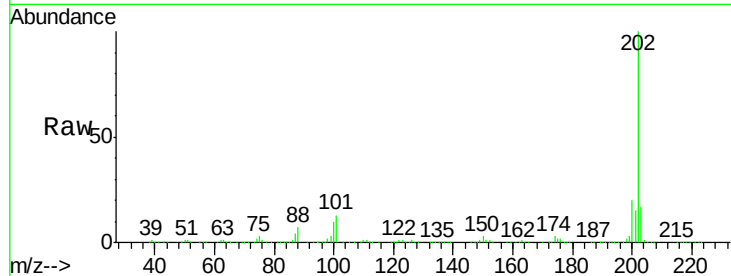
Tot Ion:202 Resp: 478113

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

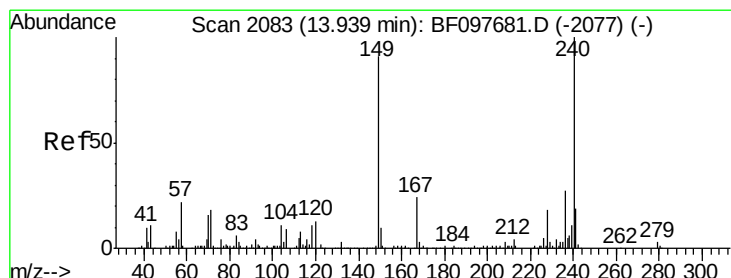
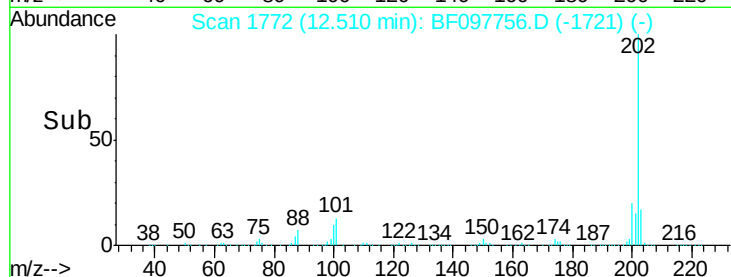
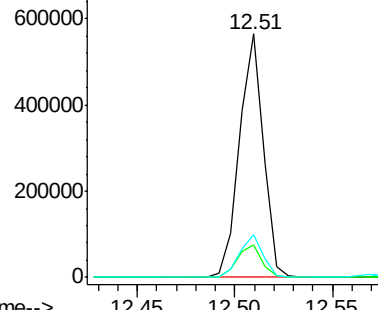
203 17.4 0.0 38.1



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: BF097756.D

Acq: 16 Aug 2017 23:22

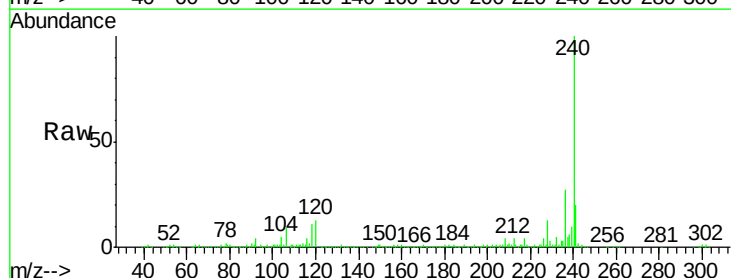
Tgt Ion:240 Resp: 297238

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

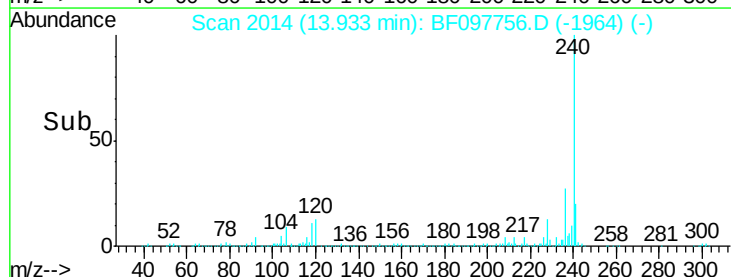
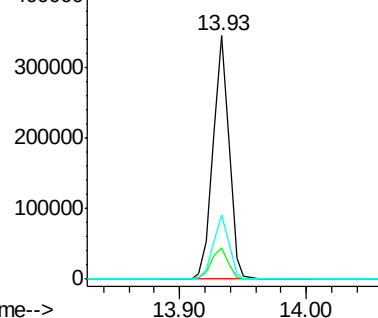
236 26.6 20.5 30.7

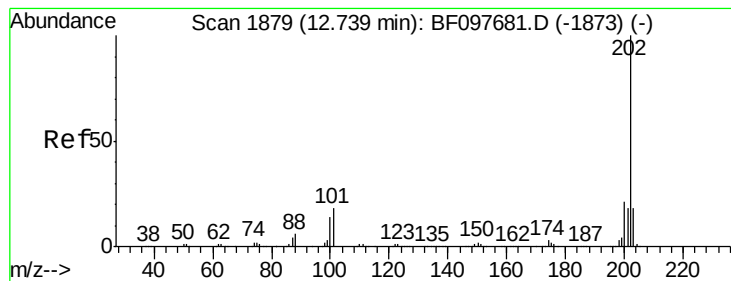


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.19 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

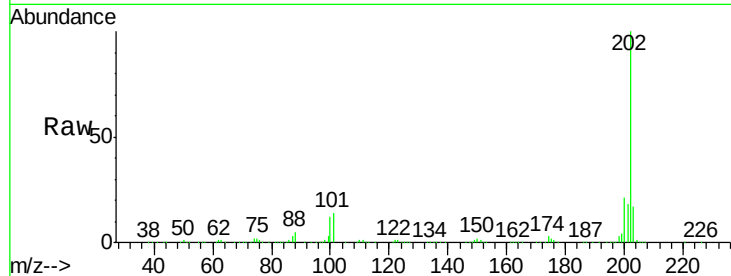
Tot Ion:202 Resp: 466573

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

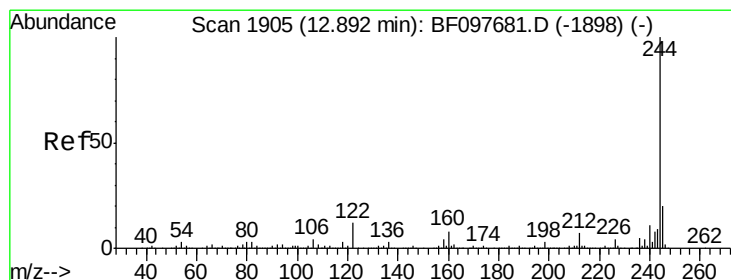
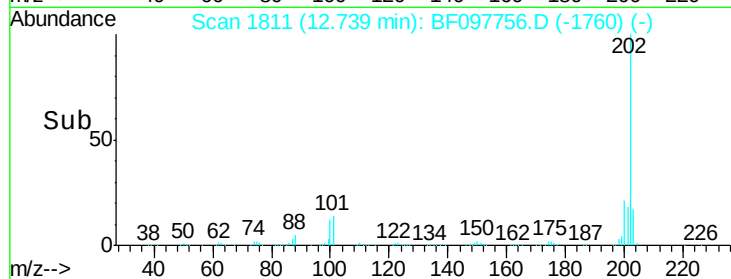
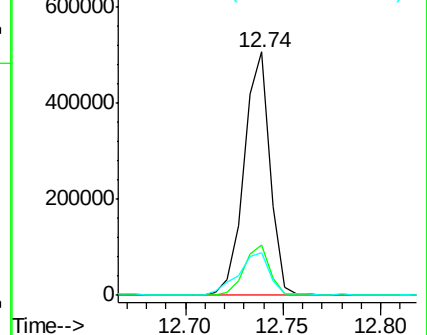
203 17.3 14.4 21.6



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: 8.76 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

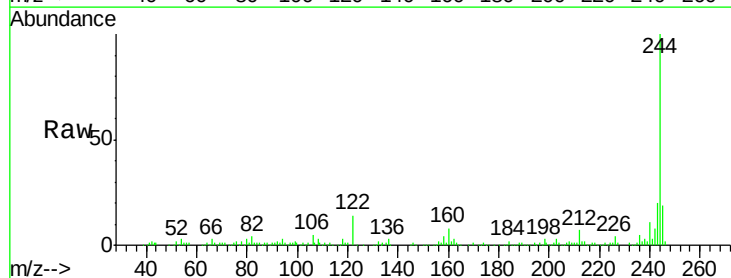
Tgt Ion:244 Resp: 124889

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

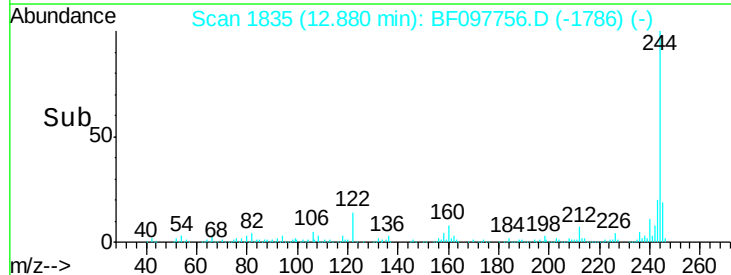
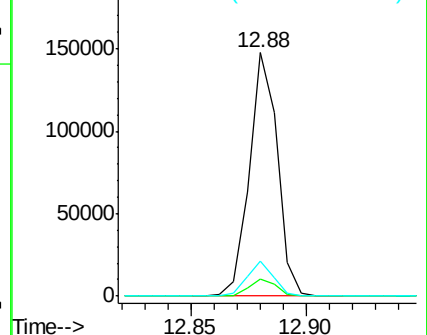
122 14.3 10.3 15.5

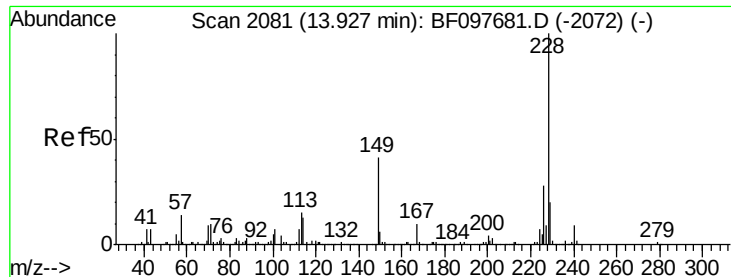


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.53 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

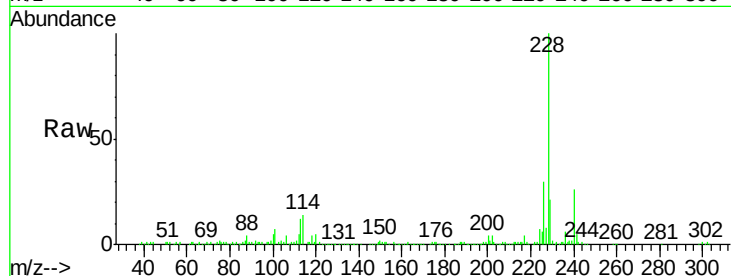
Tot Ion:228 Resp: 205384

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

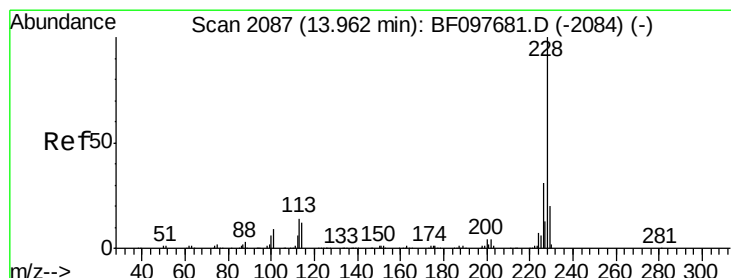
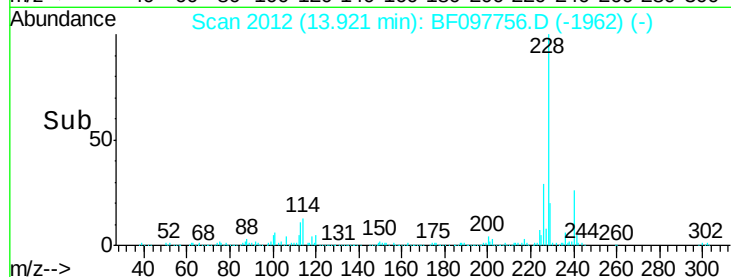
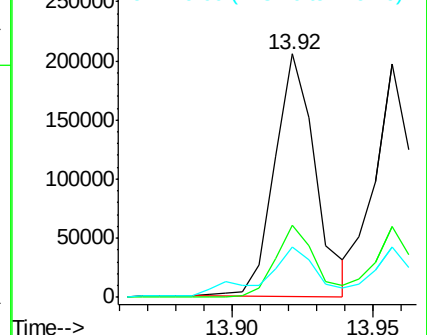
229 20.5 16.3 24.5



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: 9.90 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

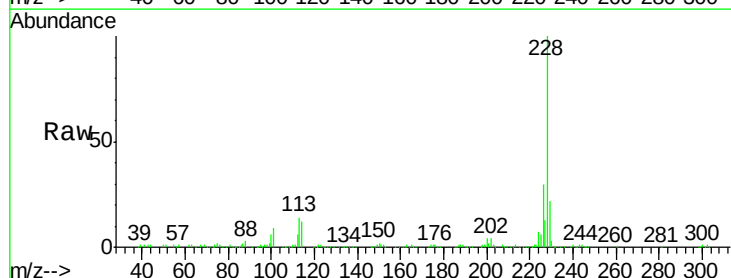
Tgt Ion:228 Resp: 175497

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

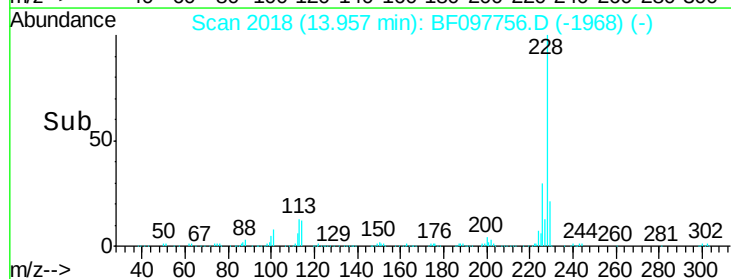
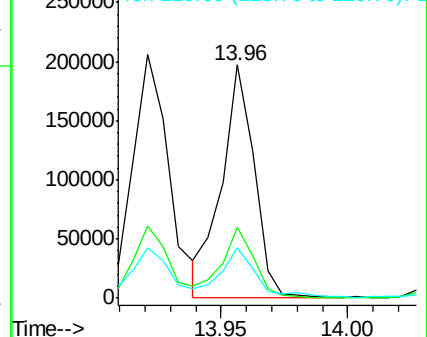
229 21.7 15.8 23.6

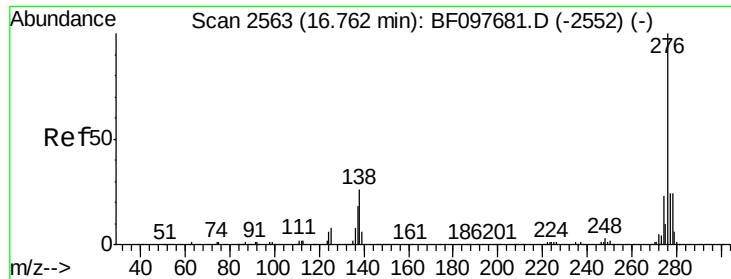


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

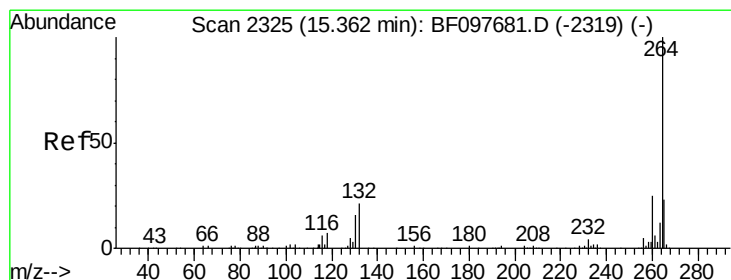
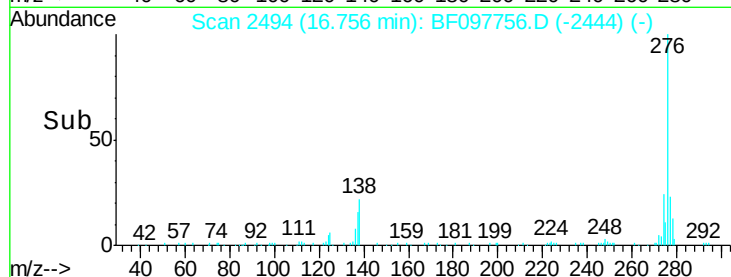
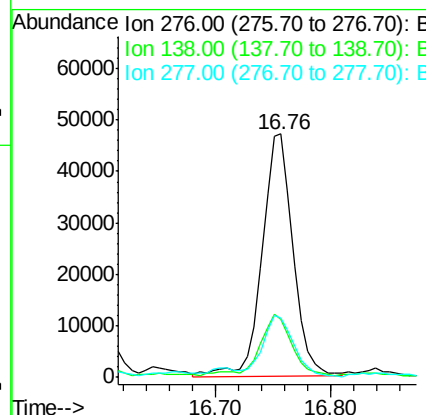
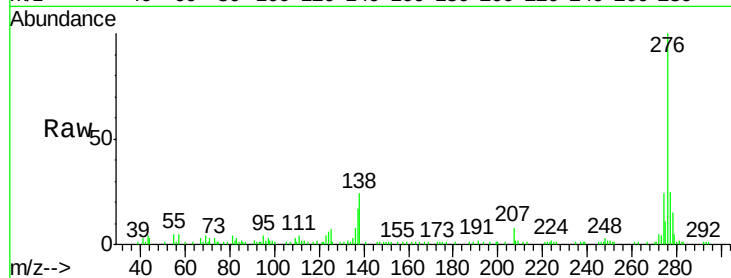




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.79 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

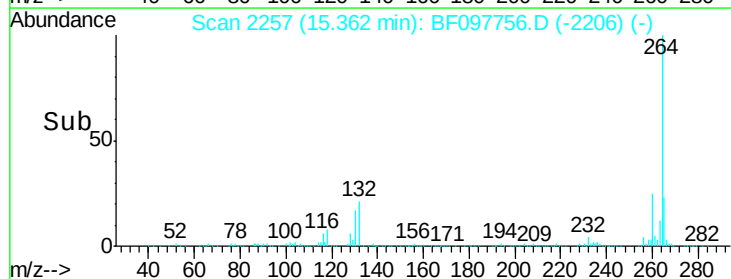
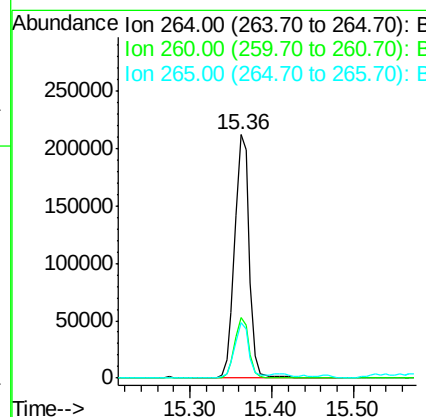
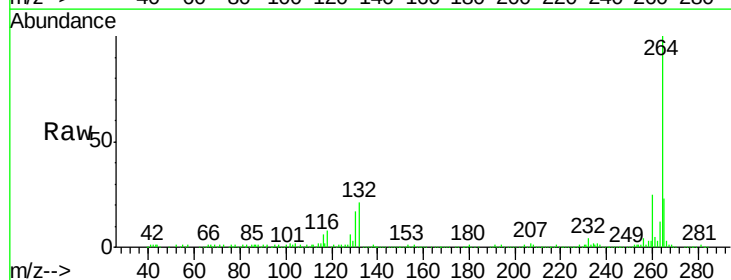
Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

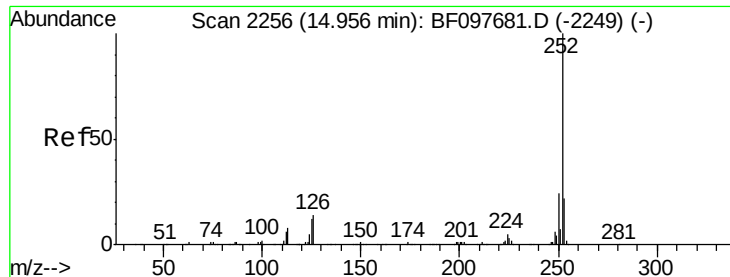
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	26.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 18.41 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

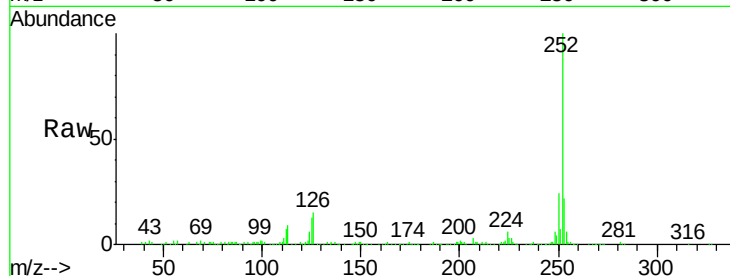
Tot Ion:252 Resp: 308286

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

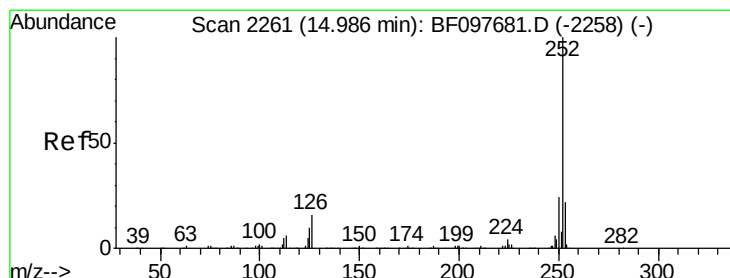
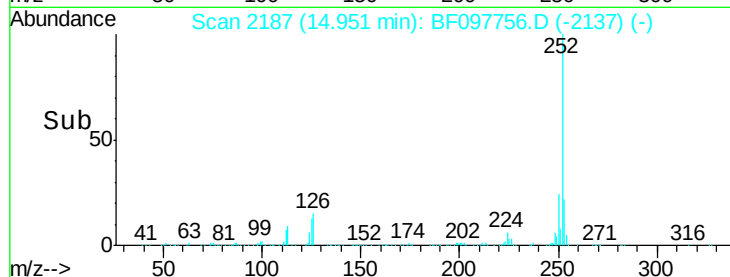
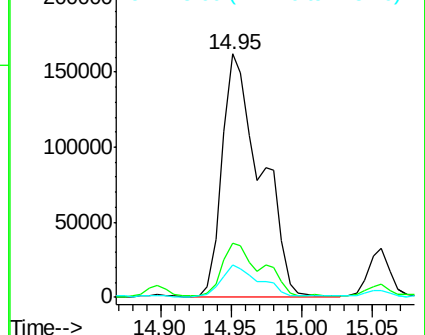
125 13.1 9.8 14.8



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



#88

Benzo(k)fluoranthene

Concen: 2.21 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.07 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

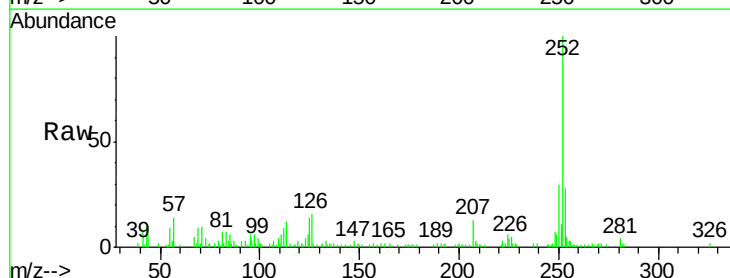
Tgt Ion:252 Resp: 34810

Ion Ratio Lower Upper

252 100

253 27.6 18.4 27.6

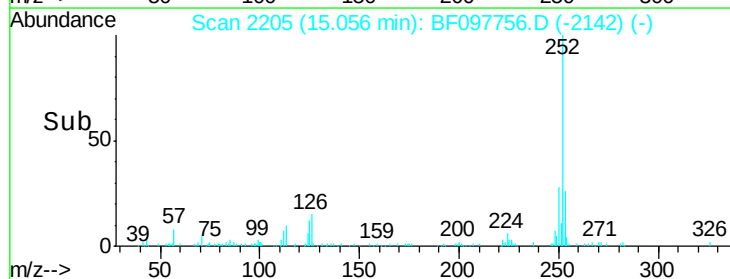
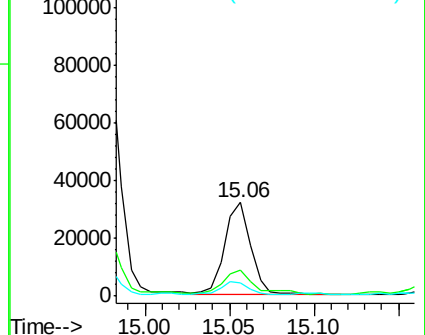
125 13.7 13.1 19.7

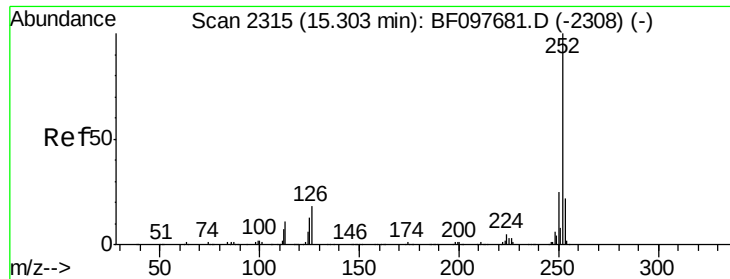


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.74 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

S11-WC-6

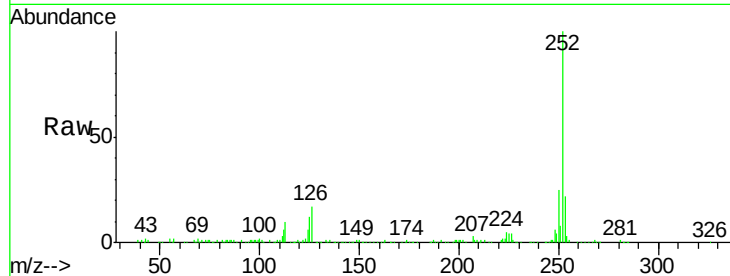
Tot Ion:252 Resp: 174064

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

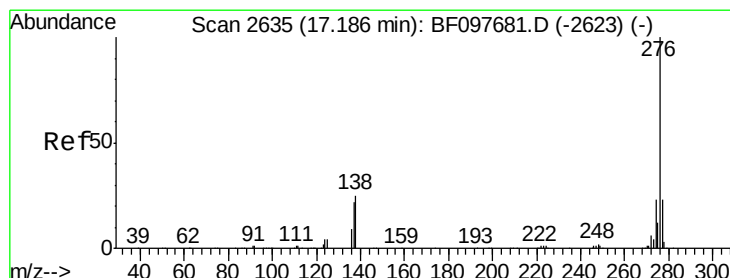
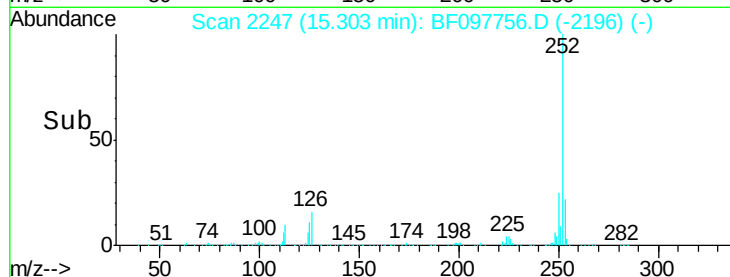
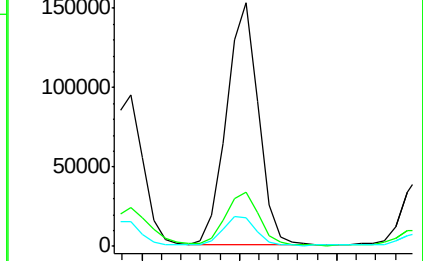
125 11.5 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 6.57 ng

RT: 17.17 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

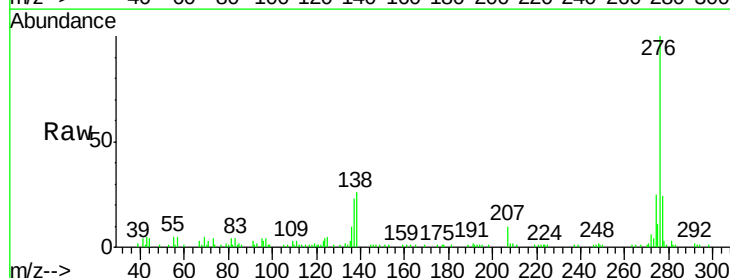
Tgt Ion:276 Resp: 82701

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 25.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

