

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097700.D
 Acq On : 15 Aug 2017 19:32
 Operator : SJ/JU
 Sample : I4755-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-A

Quant Time: Aug 16 03:53:51 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

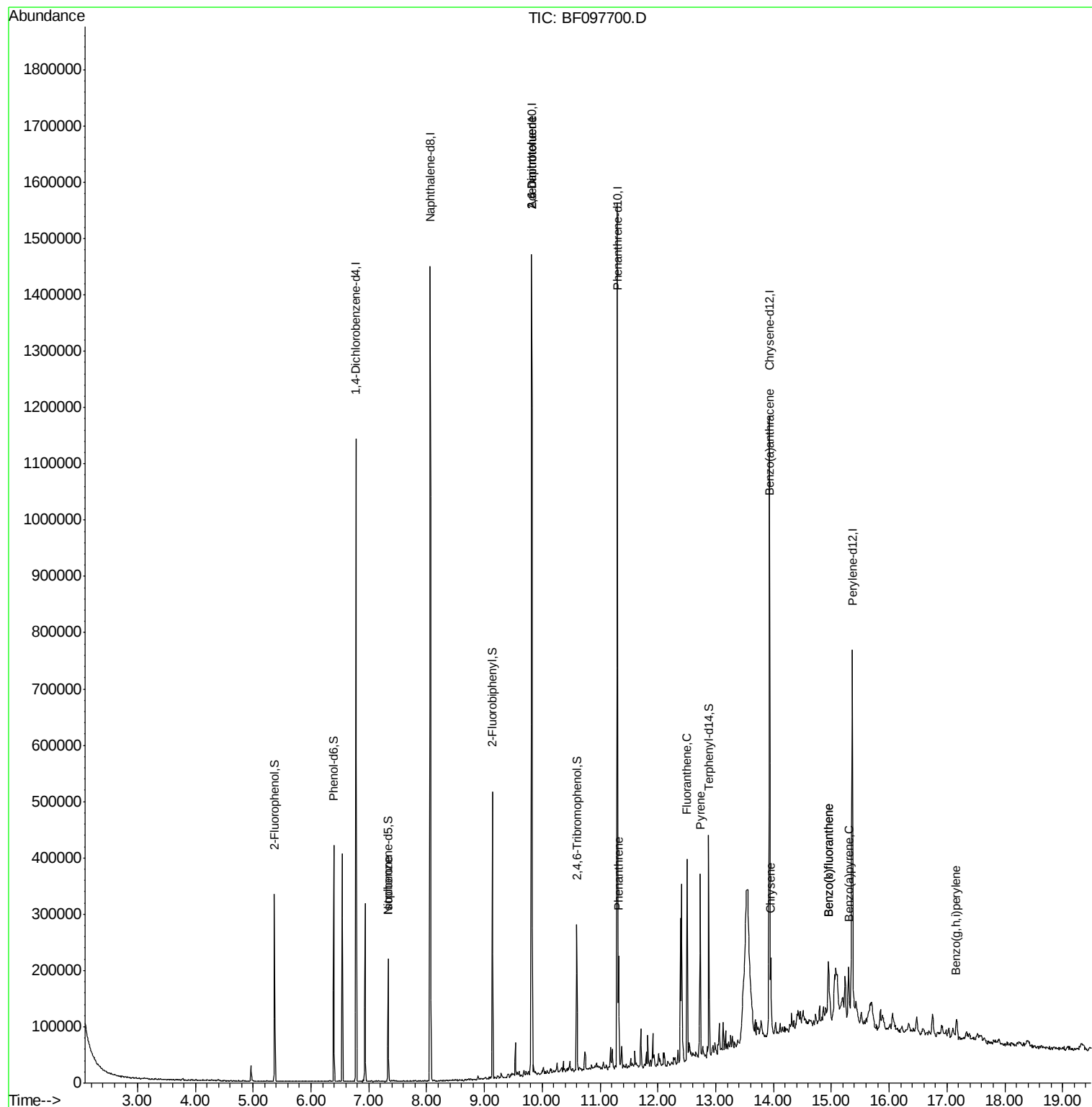
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	142948	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	574996	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	256914	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	499618	20.00	ng	0.00
75) Chrysene-d12	13.93	240	332962	20.00	ng	0.00
86) Perylene-d12	15.36	264	279087	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	87701	9.33	ng	-0.01
7) Phenol-d6	6.39	99	120385	9.43	ng	-0.02
23) Nitrobenzene-d5	7.33	82	67813	6.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	19776	8.87	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	123828	7.08	ng	0.00
78) Terphenyl-d14	12.88	244	105858	6.63	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	67669	3.07	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	33551	8.95	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	33551	7.13	ng	# 33
70) Phenanthrene	11.32	178	57515	2.16	ng	98
74) Fluoranthene	12.50	202	127435	4.59	ng	97
77) Pyrene	12.73	202	114033	4.19	ng	98
80) Benzo(a)anthracene	13.92	228	42705	2.14	ng	97
82) Chrysene	13.96	228	41539	2.09	ng	97
87) Benzo(b)fluoranthene	14.95	252	68246	3.88	ng	98
88) Benzo(k)fluoranthene	14.95	252	68246	4.13	ng	97
89) Benzo(a)pyrene	15.30	252	38729	2.49	ng	96
91) Benzo(a,h,i)perylene	17.17	276	27239	2.06	ng	99

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

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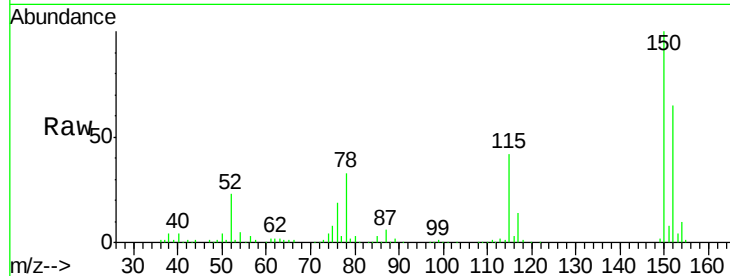


#1

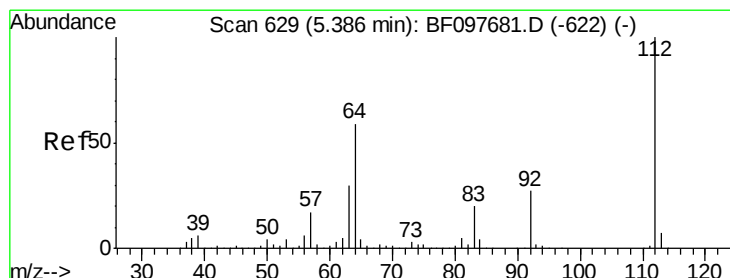
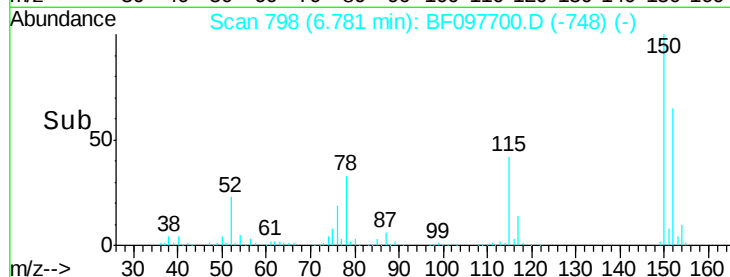
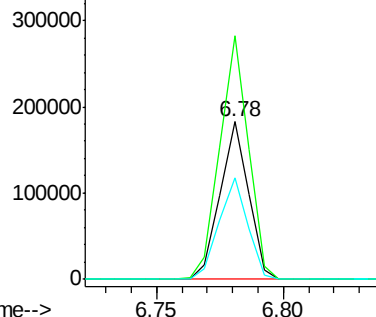
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-A

Tot Ion:152 Resp: 142948
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.2 189.2
 115 64.5 52.2 78.2



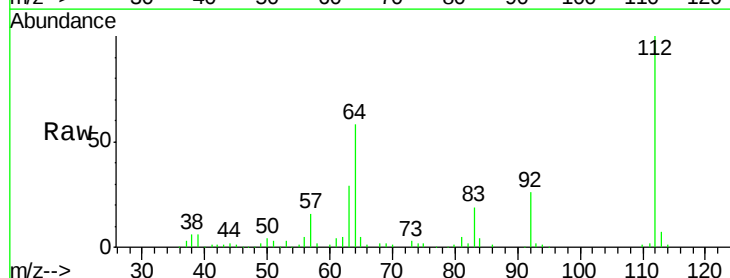
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



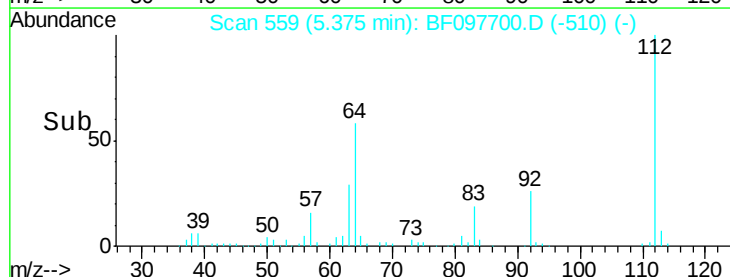
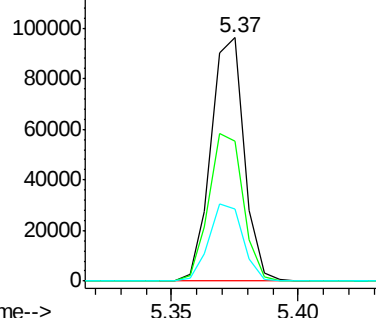
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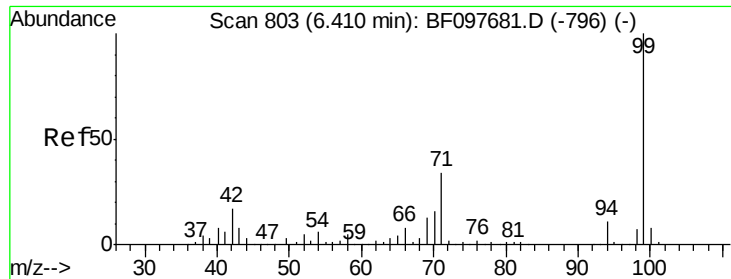
2-Fluorophenol
 Concen: 9.33 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Tgt Ion:112 Resp: 87701
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.0 69.0
 63 29.4 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: 9.43 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

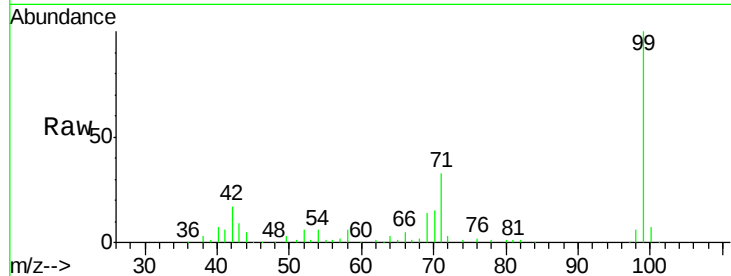
Tot Ion: 99 Resp: 120385

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

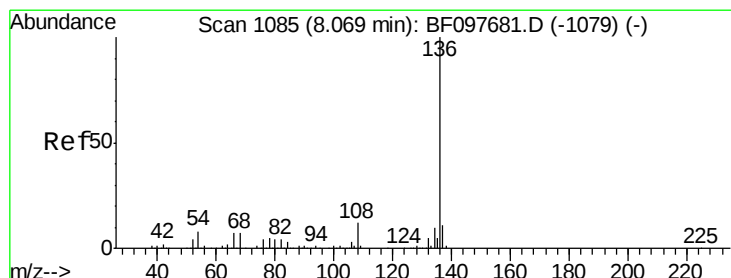
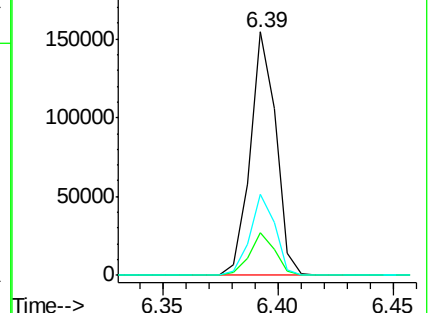
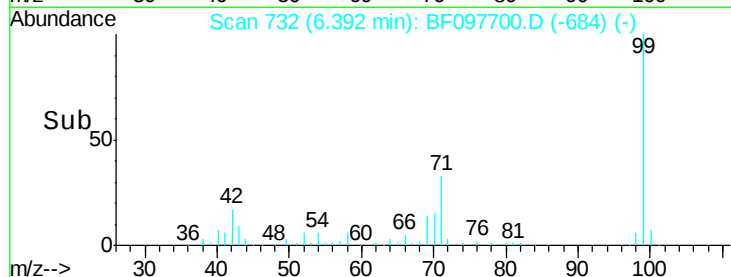
71 33.3 24.5 36.7



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: BF097700.D

Acq: 15 Aug 2017 19:32

Tgt Ion: 136 Resp: 574996

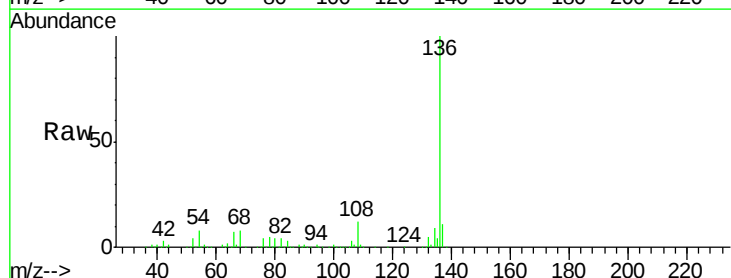
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.0 4.9 7.3#

68 7.6 4.1 6.1#

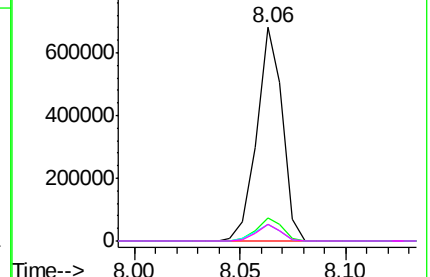
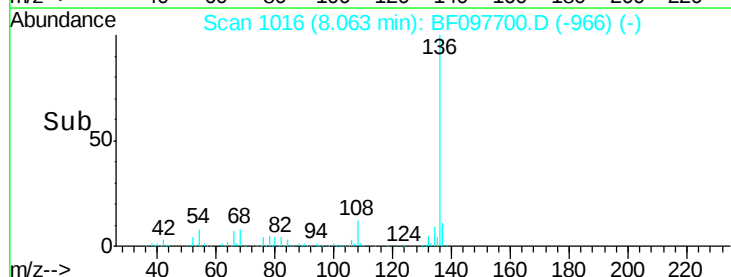


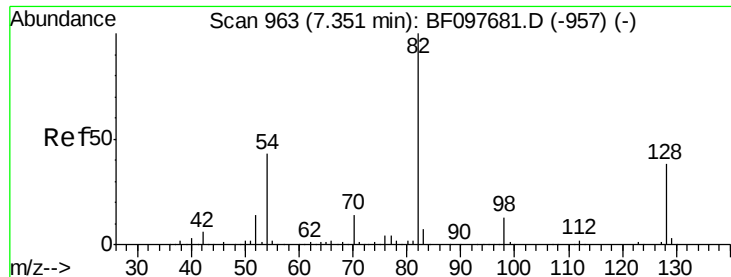
Abundance Ion 136.00 (135.70 to 136.70): E

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

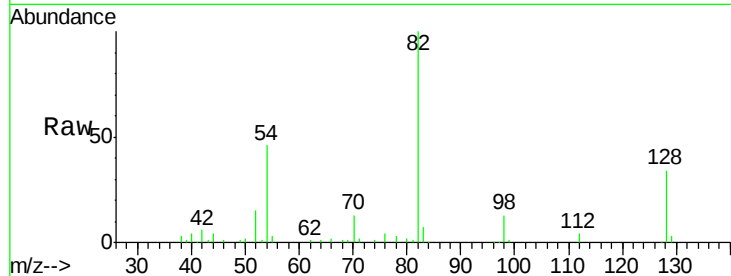




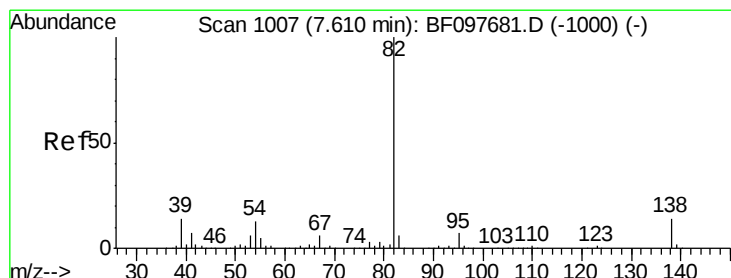
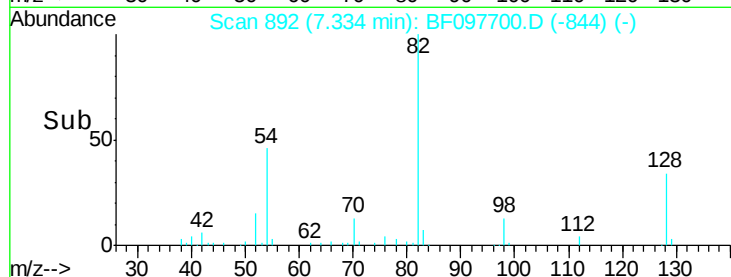
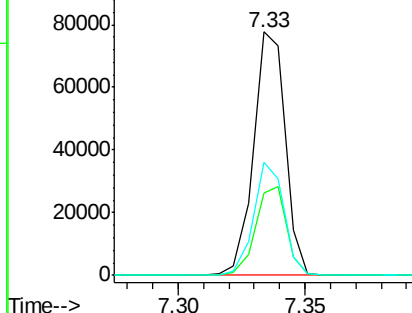
#23
 Nitrobenzene-d5
 Concen: 6.41 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-A

Tot Ion	82	Resp	67813
Ion Ratio	Lower	Upper	
82	100		
128	33.7	34.0	51.0#
54	46.3	42.2	63.2

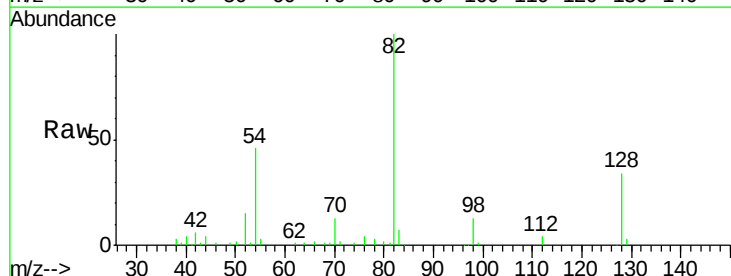


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

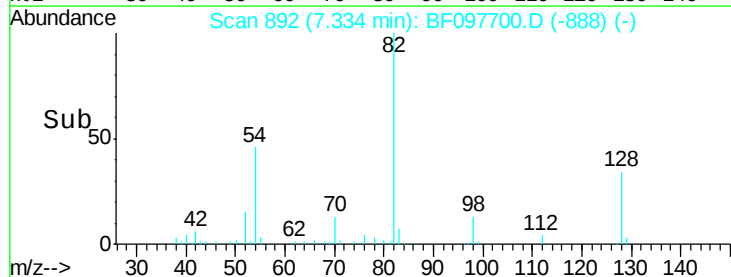
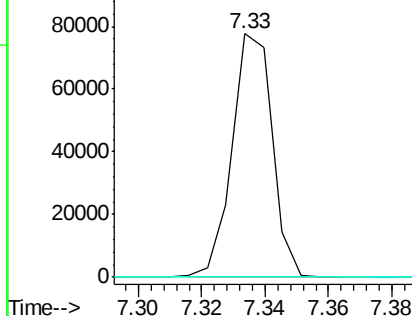


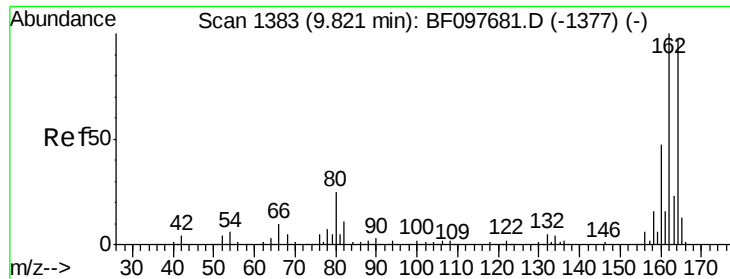
#25
 Isophorone
 Concen: 3.07 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.28 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Tgt Ion	82	Resp	67669
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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

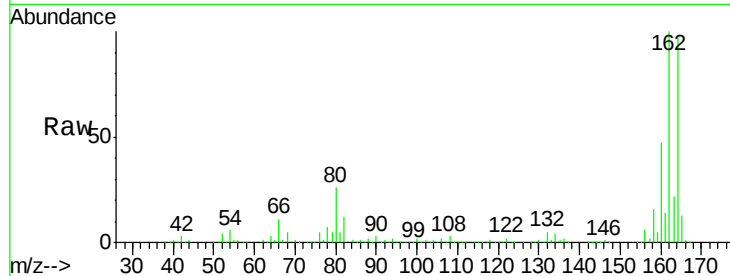
Tot Ion:164 Resp: 256914

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

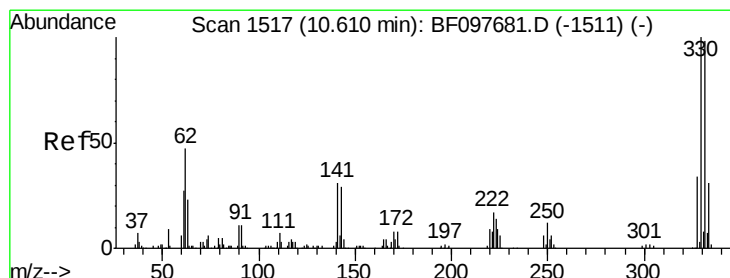
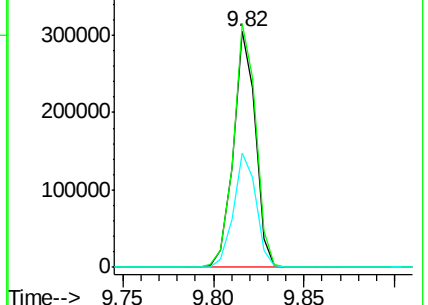
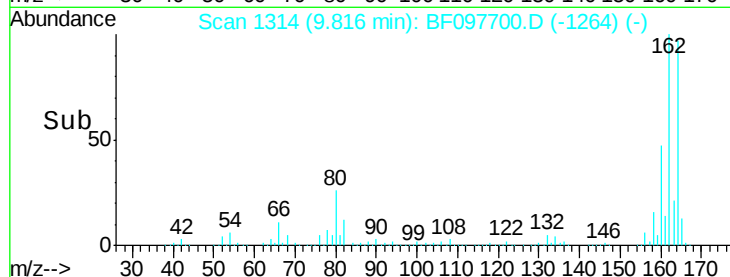
160 48.8 36.2 54.2



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: 8.87 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

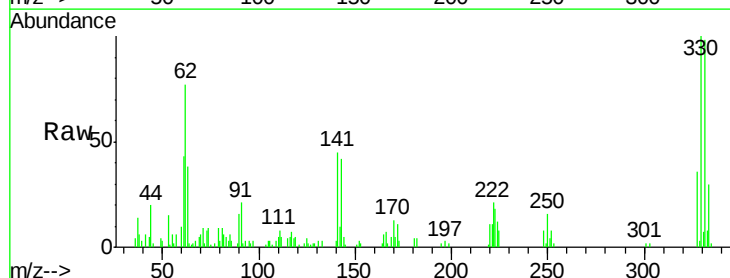
Tgt Ion:330 Resp: 19776

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

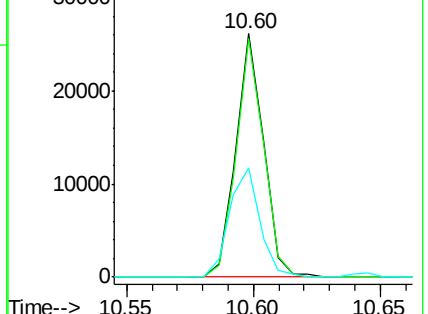
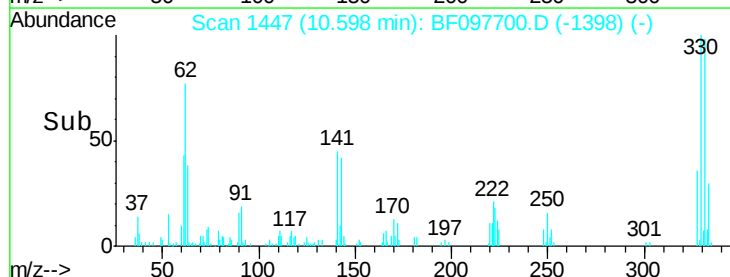
141 49.3 31.4 47.2#

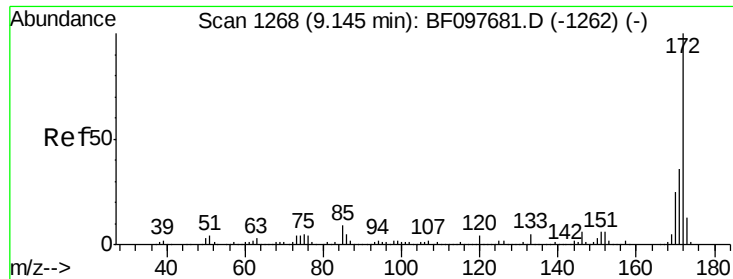


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

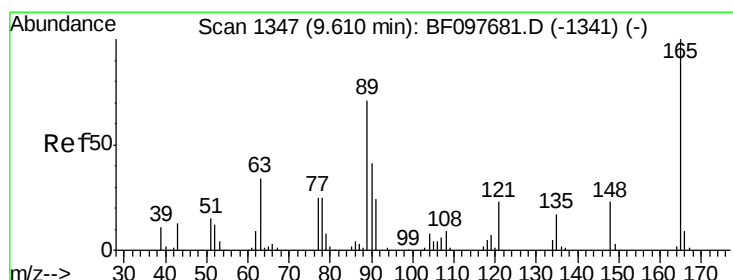
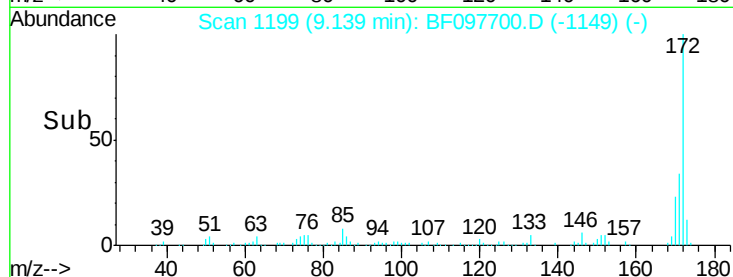
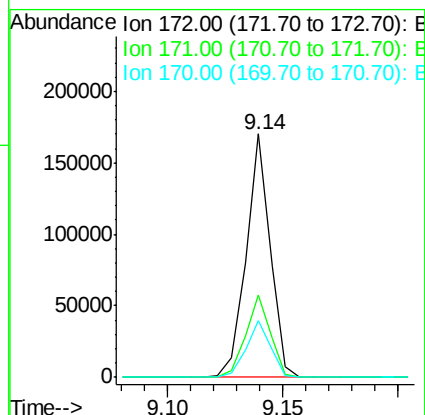
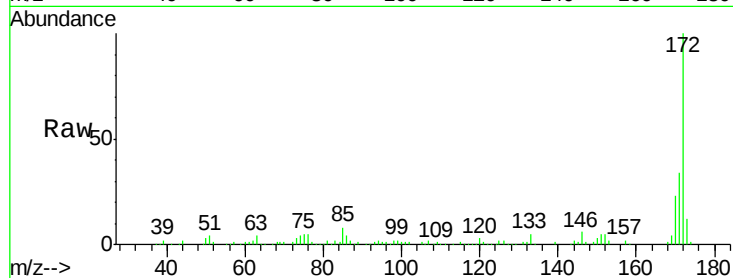




#44
 2-Fluorobiphenyl
 Concen: 7.08 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

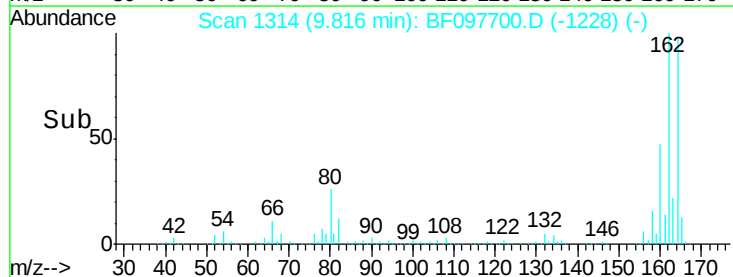
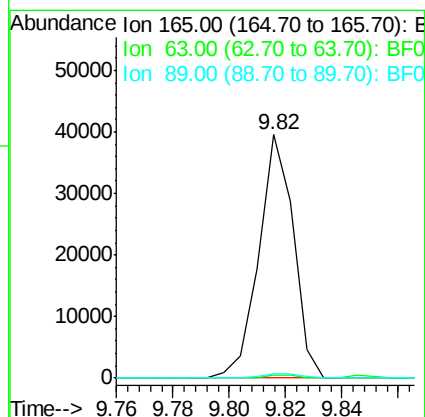
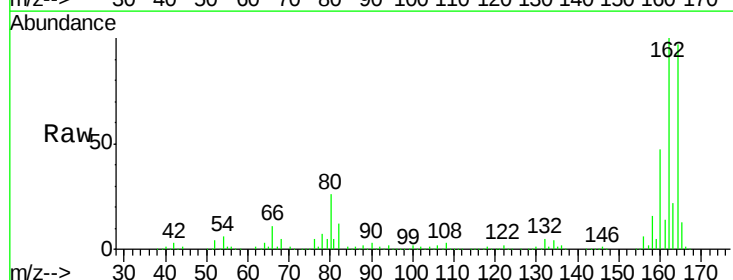
Instrument :
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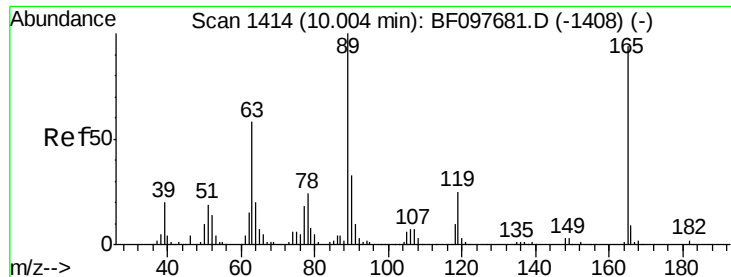
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.6	44.4
170	23.3	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.95 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.5	37.1	55.7#

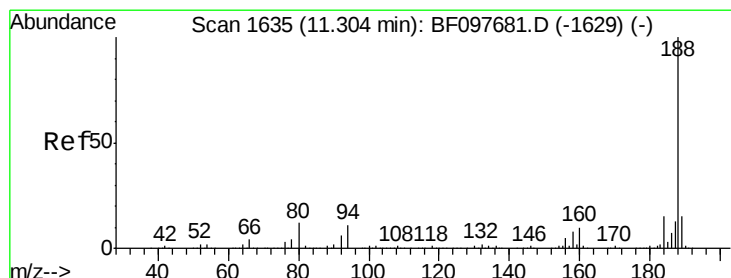
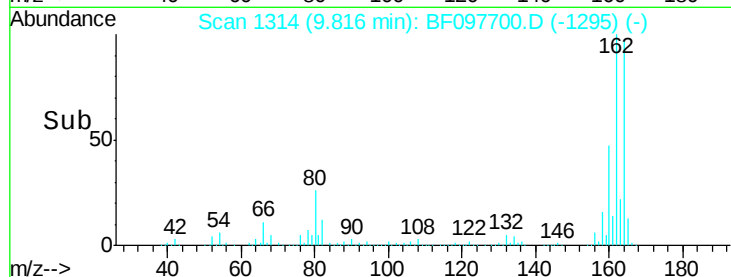
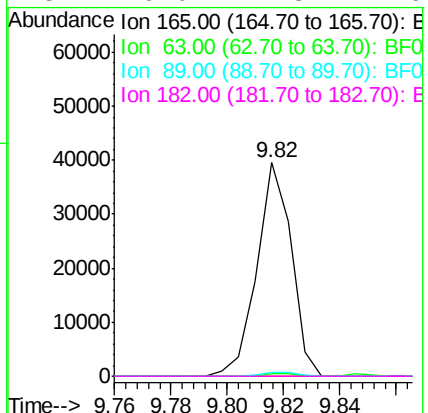
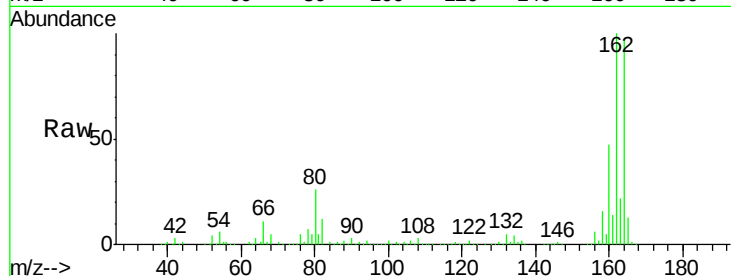




#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

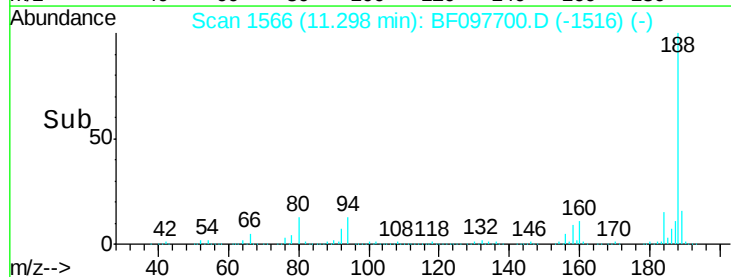
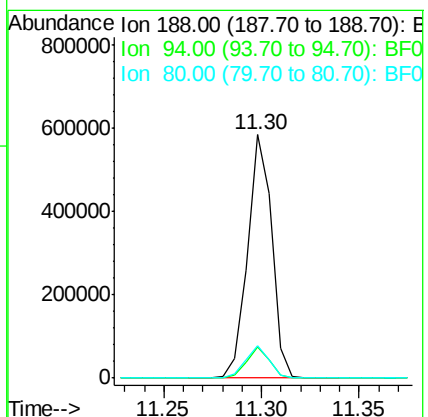
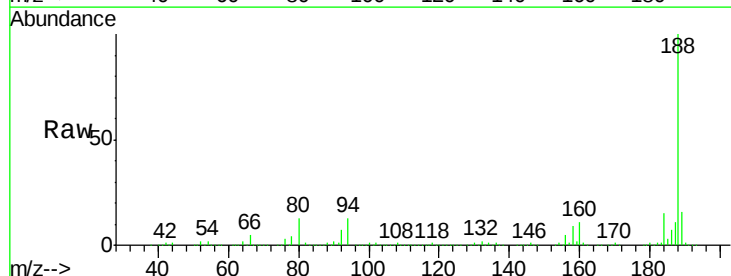
Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-A

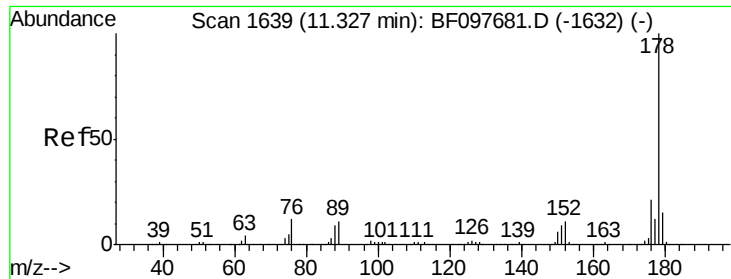
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097700.D
 Acq: 15 Aug 2017 19:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.4	14.2
80	13.2	10.2	15.2





#70

Phenanthrene

Concen: 2.16 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

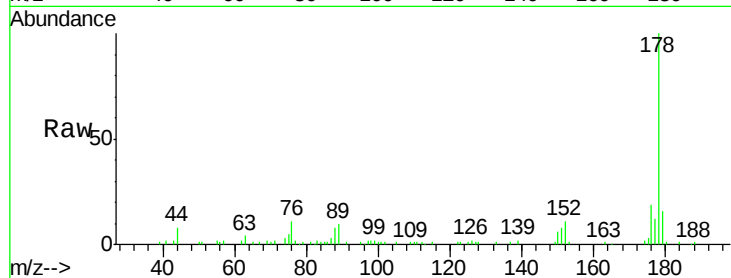
BNA_F

ClientSampleId :

SA-06-081117-A

Tot Ion:178 Resp: 57515

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.2	12.6	19.0

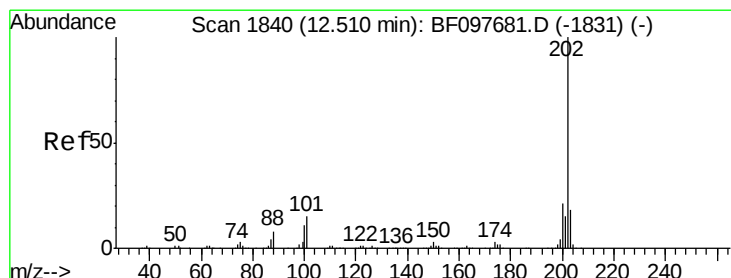
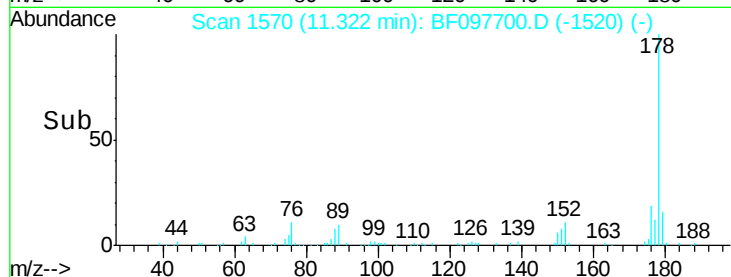
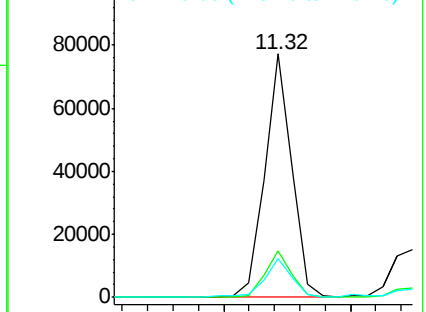


Abundance

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



#74

Fluoranthene

Concen: 4.59 ng

RT: 12.50 min Scan# 1771

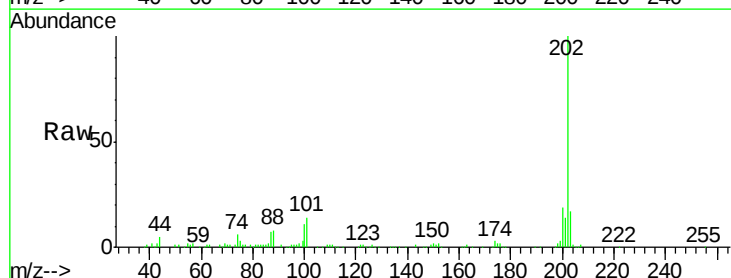
Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Tgt Ion:202 Resp: 127435

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.0	0.0	38.1

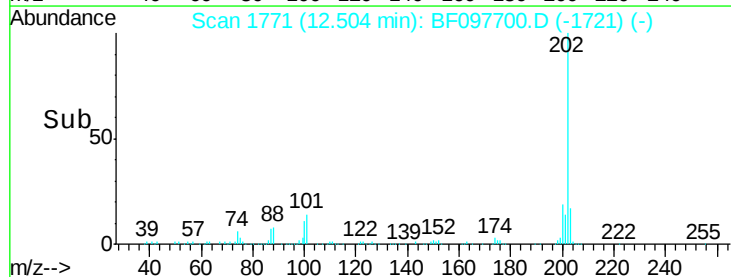
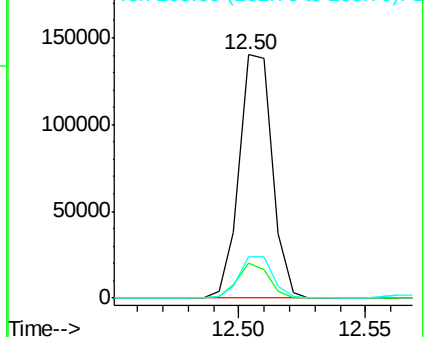


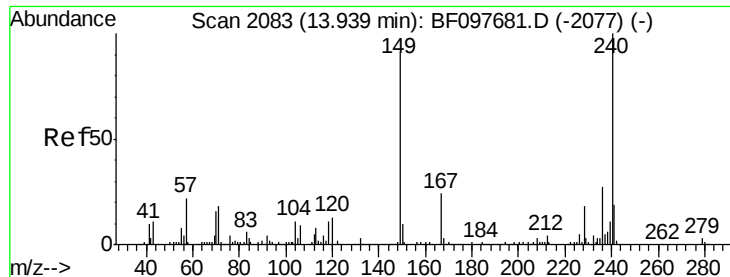
Abundance

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: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

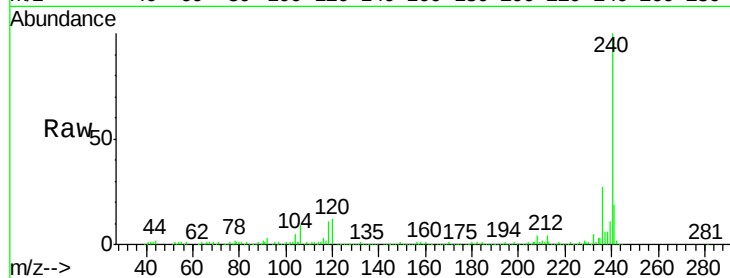
Tot Ion:240 Resp: 332962

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

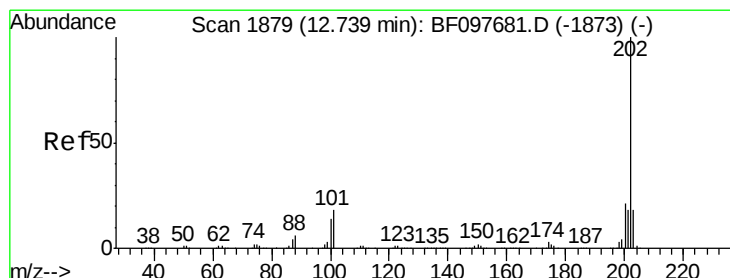
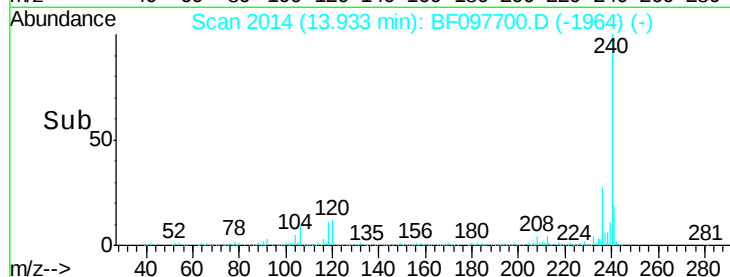
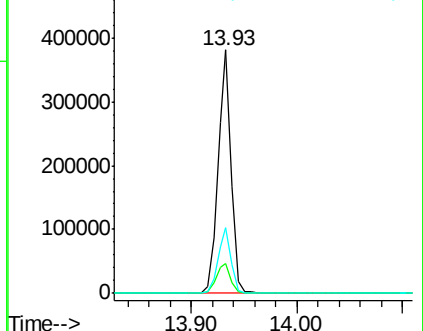
236 27.0 20.5 30.7



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: 4.19 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

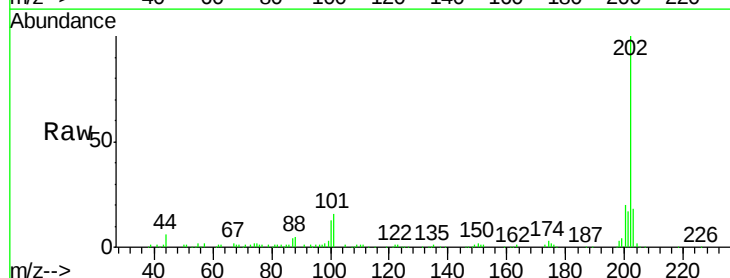
Tgt Ion:202 Resp: 114033

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

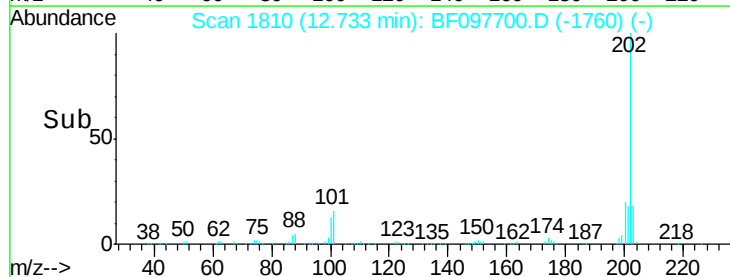
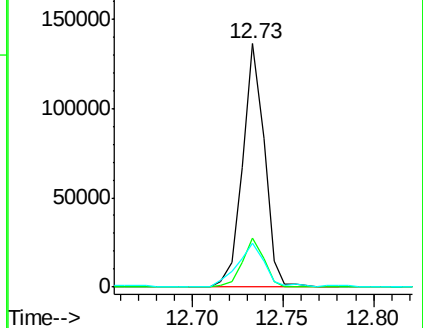
203 17.9 14.4 21.6

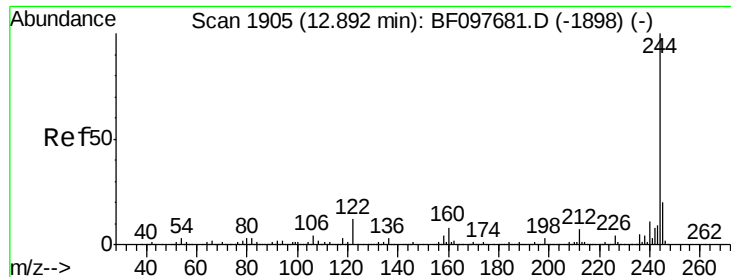


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.63 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

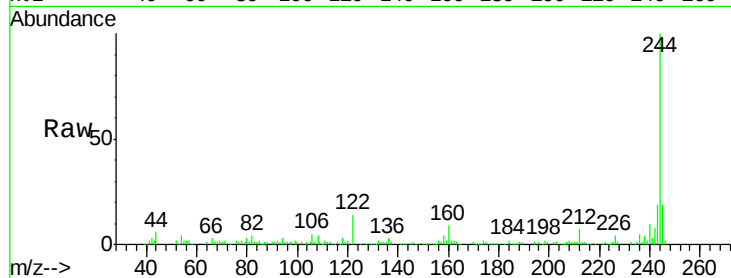
Tot Ion:244 Resp: 105858

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

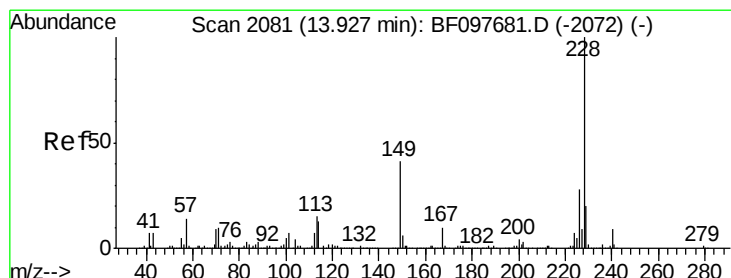
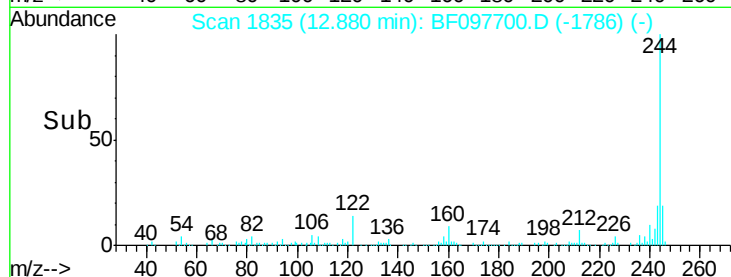
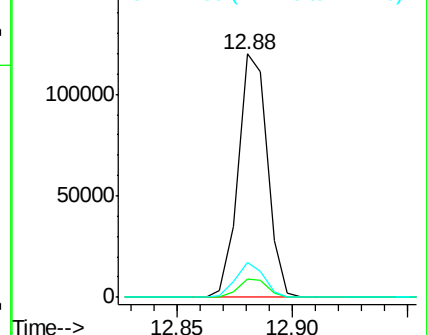
122 14.3 10.3 15.5



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: 2.14 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

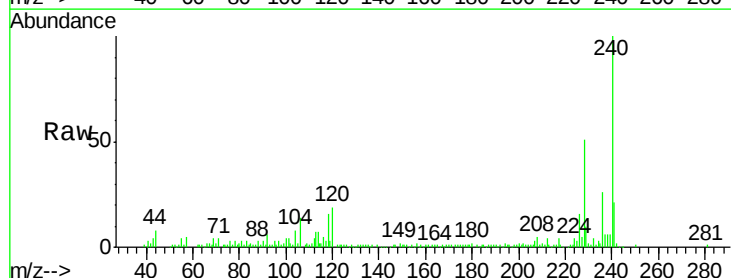
Tgt Ion:228 Resp: 42705

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

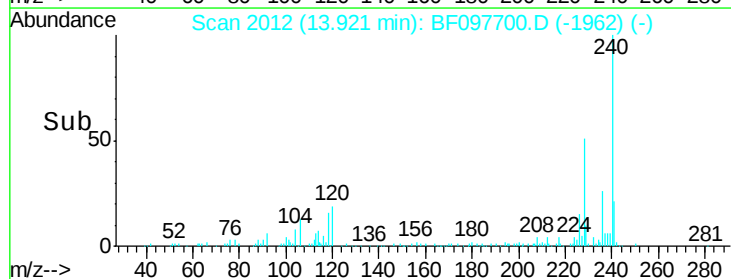
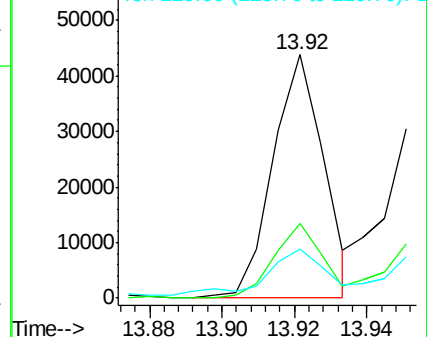
229 20.3 16.3 24.5

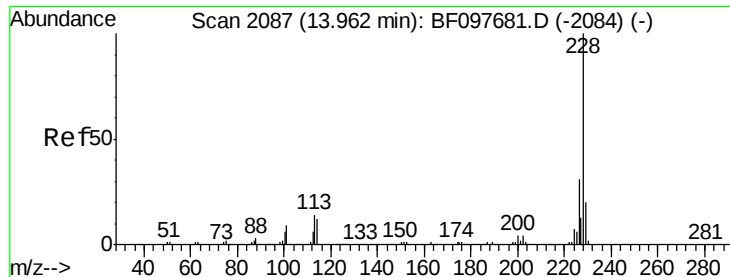


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.09 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

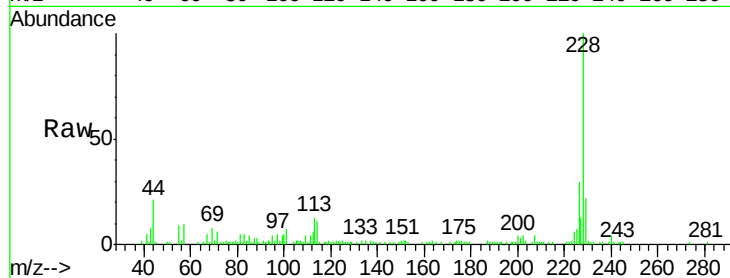
Tot Ion:228 Resp: 41539

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

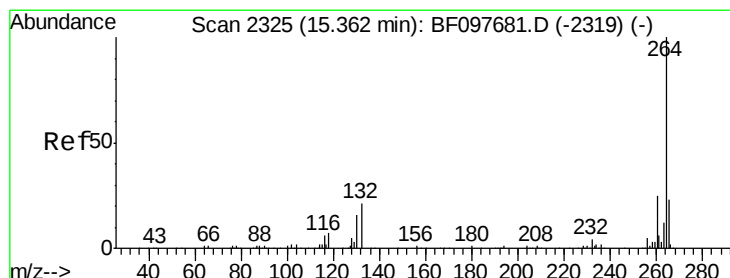
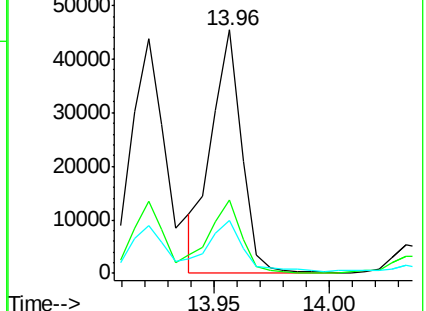
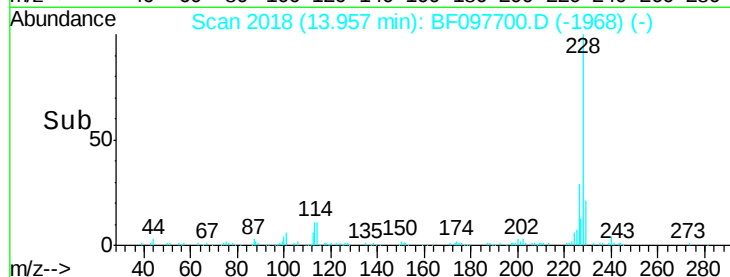
229 21.7 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

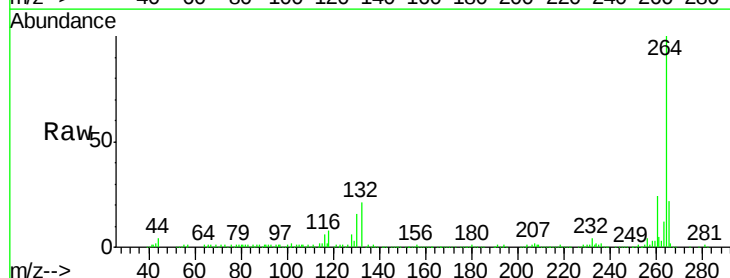
Tgt Ion:264 Resp: 279087

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

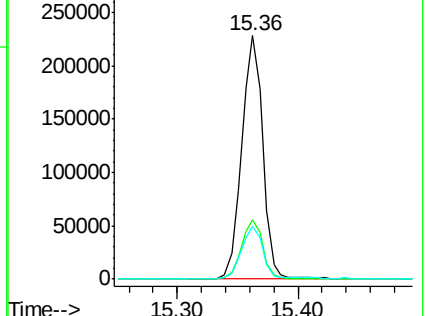
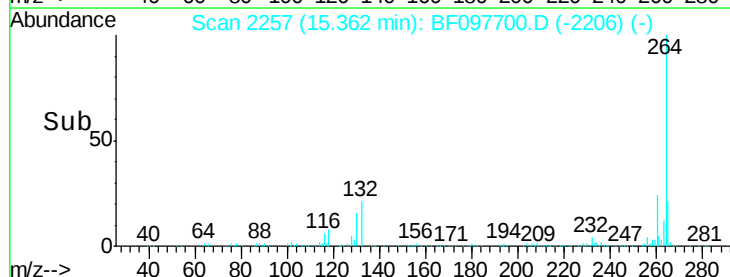
265 21.6 17.2 25.8

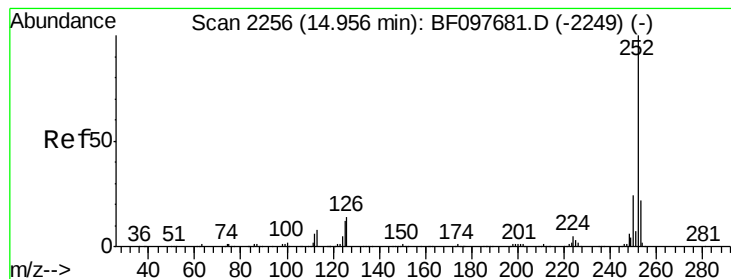


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.88 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

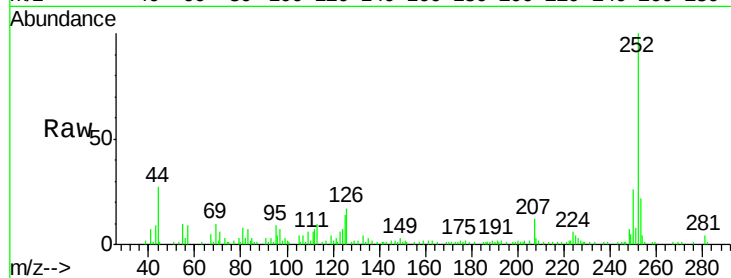
Tot Ion:252 Resp: 68246

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

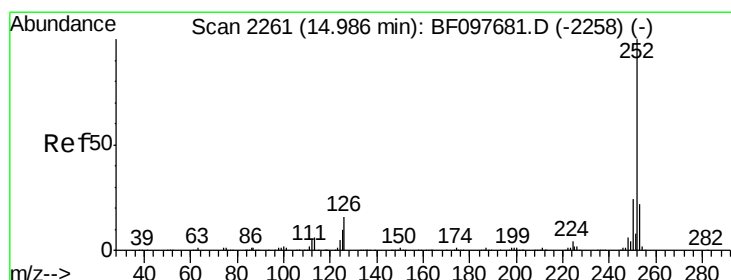
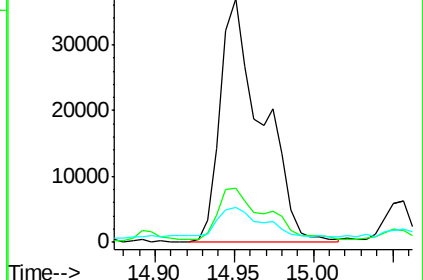
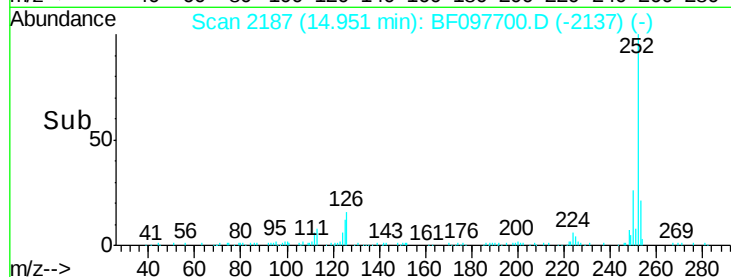
125 14.5 9.8 14.8



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: 4.13 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.04 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

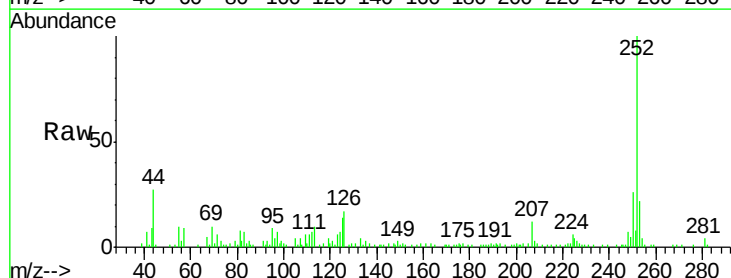
Tgt Ion:252 Resp: 68246

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

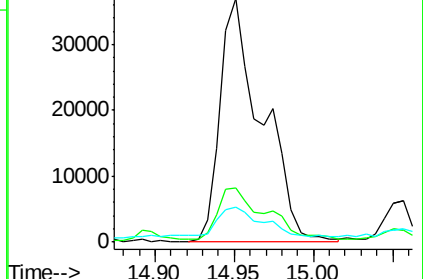
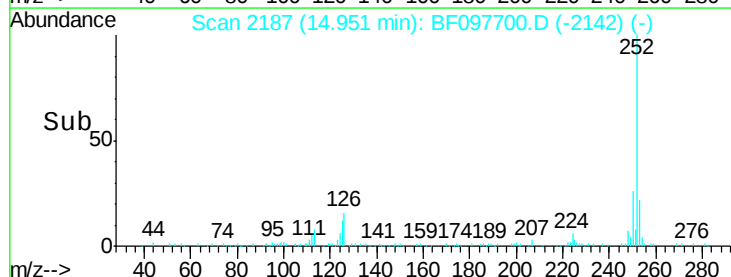
125 14.5 13.1 19.7

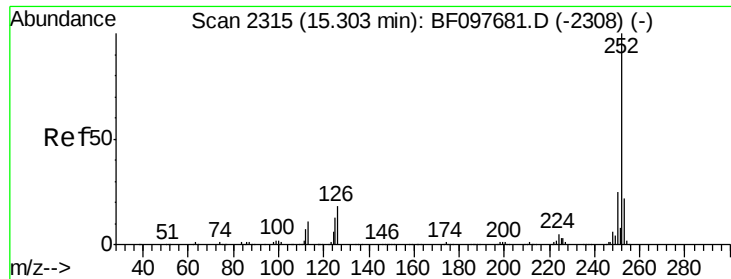


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.49 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-A

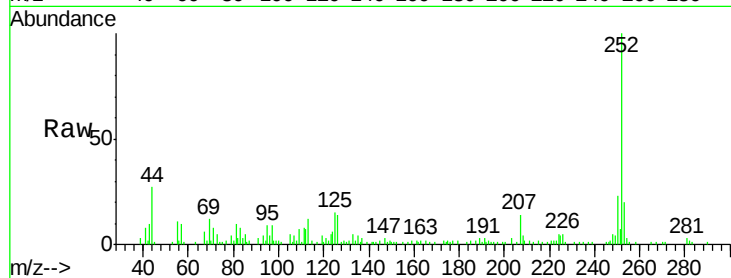
Tot Ion:252 Resp: 38729

Ion Ratio Lower Upper

252 100

253 19.7 17.5 26.3

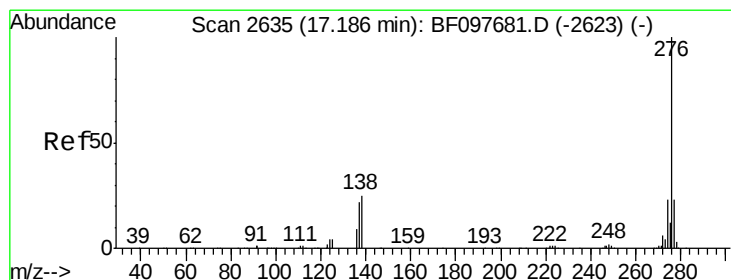
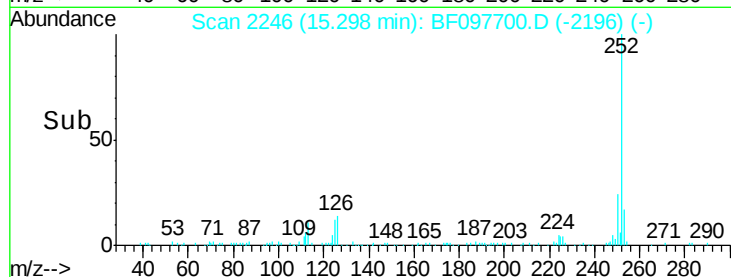
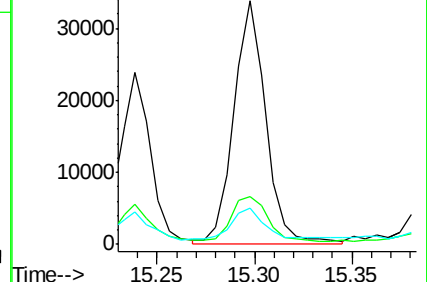
125 14.7 11.0 16.4



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: 2.06 ng

RT: 17.17 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097700.D

Acq: 15 Aug 2017 19:32

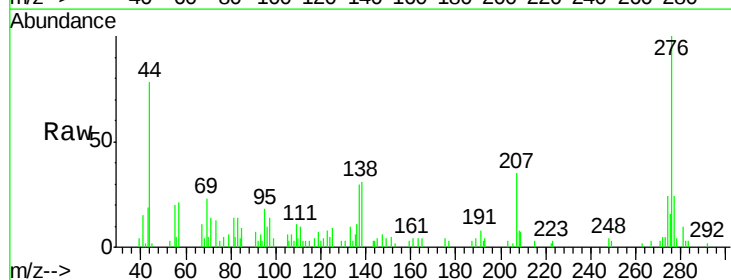
Tgt Ion:276 Resp: 27239

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 31.1 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

