

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097701.D
 Acq On : 15 Aug 2017 20:00
 Operator : SJ/JU
 Sample : I4755-04 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 16 03:54:18 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

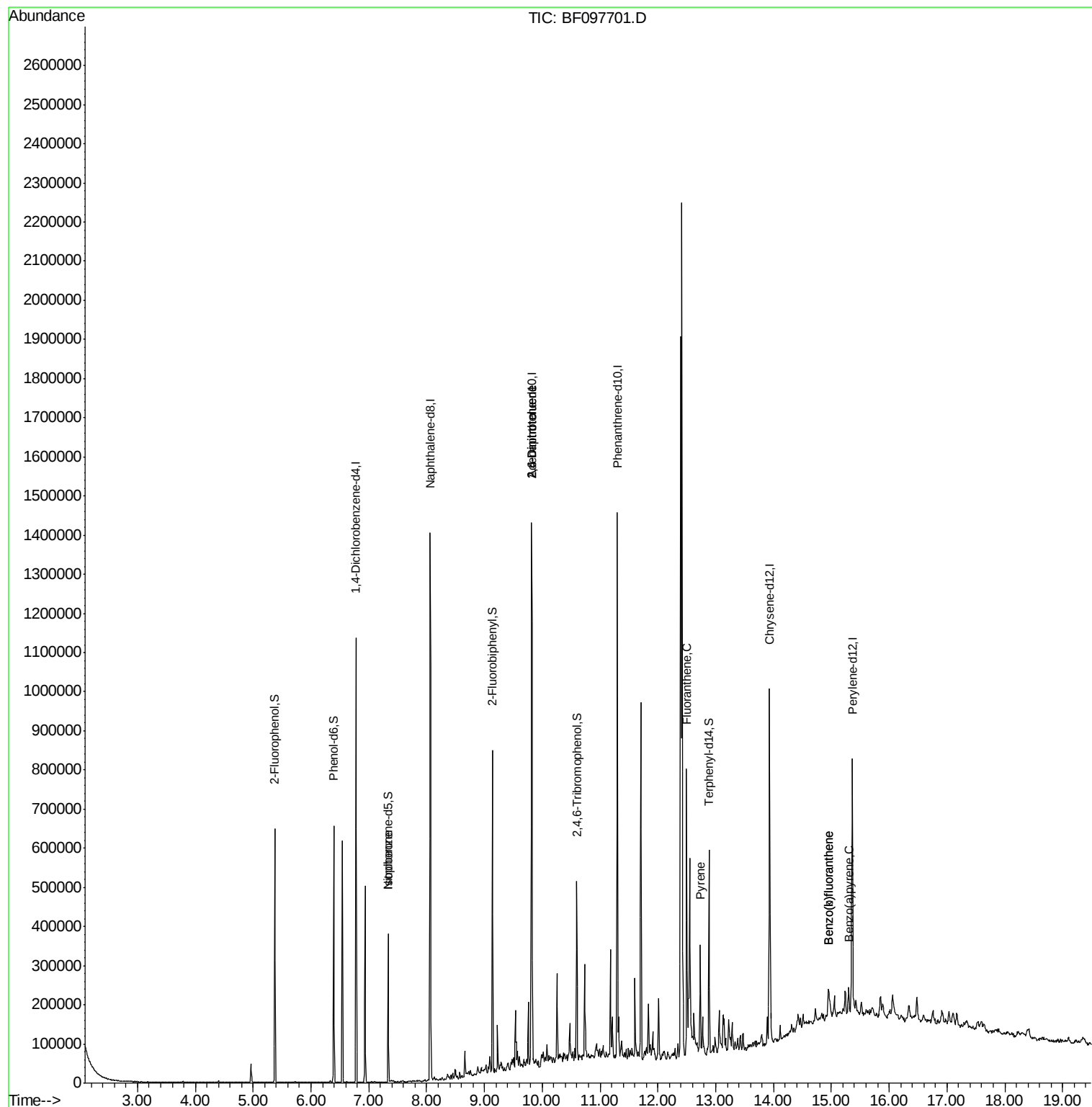
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	139816	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	551632	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	246381	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	454536	20.00	ng	0.00
75) Chrysene-d12	13.93	240	284962	20.00	ng	0.00
86) Perylene-d12	15.36	264	273742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	150873	16.41	ng	-0.01
7) Phenol-d6	6.40	99	202694	16.23	ng	-0.01
23) Nitrobenzene-d5	7.34	82	113052	11.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	33534	15.69	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	203839	12.16	ng	0.00
78) Terphenyl-d14	12.89	244	145206	10.63	ng	0.00
Target Compounds						
25) Isophorone	7.34	82	113048	5.35	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	31995	8.90	ng	# 35
56) 2,4-Dinitrotoluene	9.82	165	31995	7.09	ng	# 34
74) Fluoranthene	12.50	202	62342	2.47	ng	90
77) Pyrene	12.73	202	75337	3.23	ng	97
87) Benzo(b)fluoranthene	14.95	252	48150	2.79	ng	# 97
88) Benzo(k)fluoranthene	14.95	252	48150	2.97	ng	99
89) Benzo(a)pyrene	15.30	252	32131	2.10	ng	# 94

(#) = 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: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-B

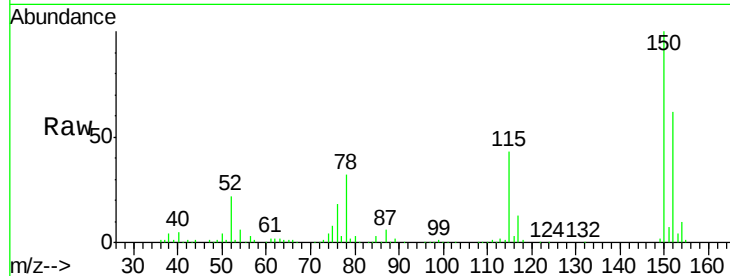
Tot Ion:152 Resp: 139816

Ion Ratio Lower Upper

152 100

150 160.1 126.2 189.2

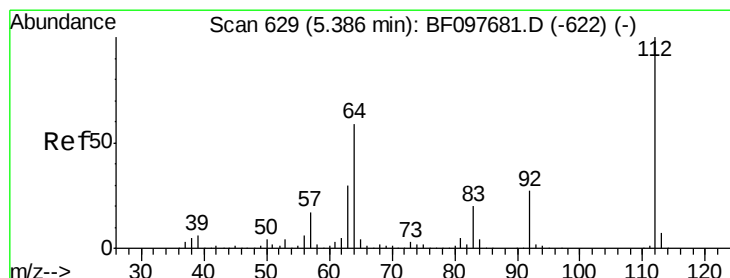
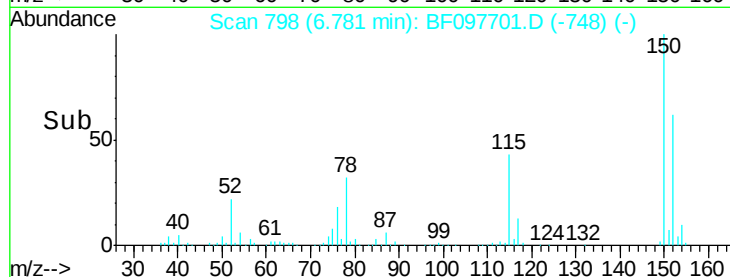
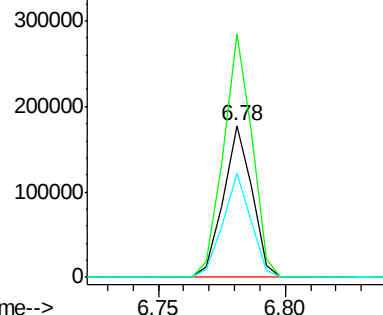
115 68.9 52.2 78.2



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: 16.41 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

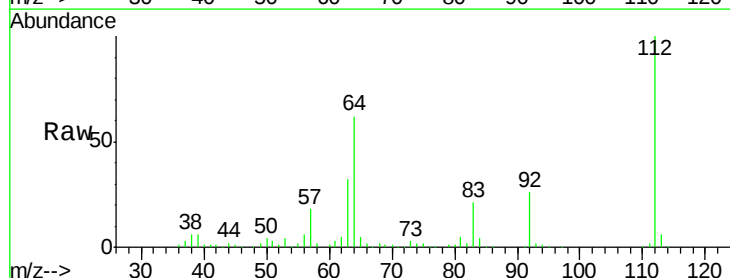
Tgt Ion:112 Resp: 150873

Ion Ratio Lower Upper

112 100

64 62.2 46.0 69.0

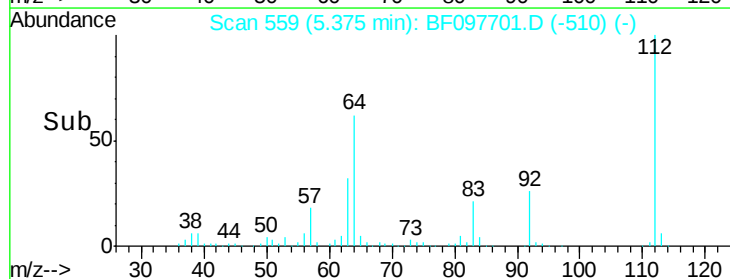
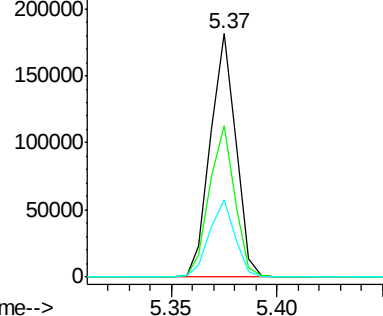
63 31.9 23.4 35.0

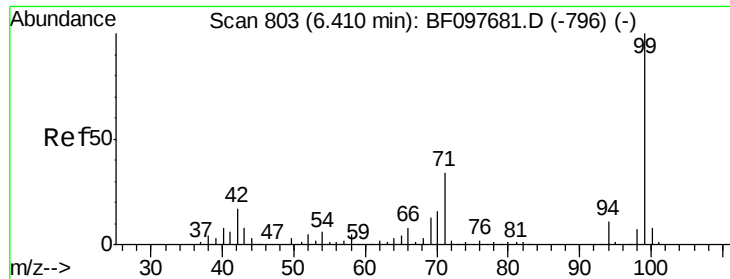


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.23 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-B

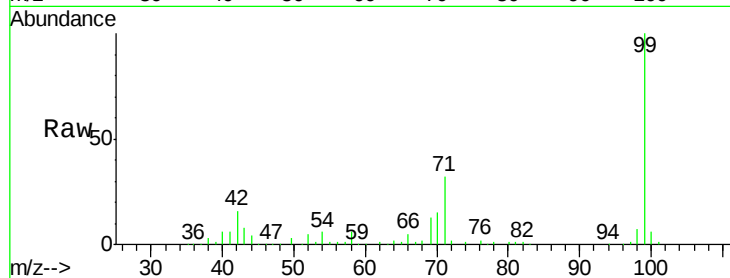
Tot Ion: 99 Resp: 202694

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

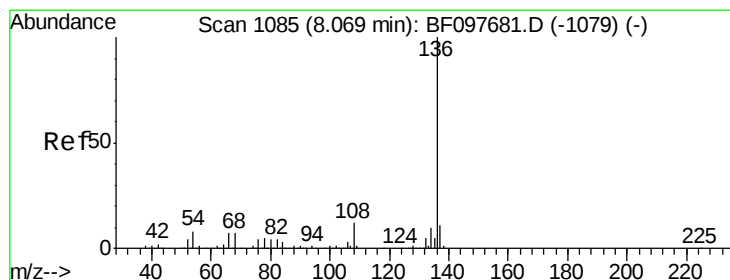
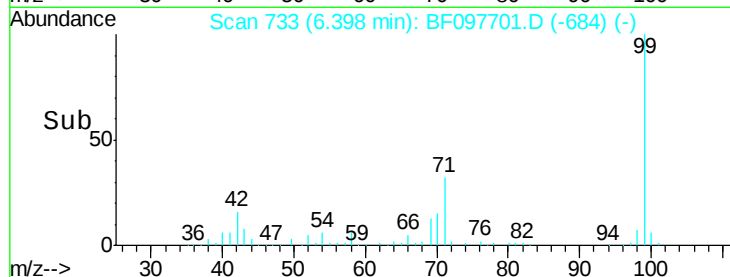
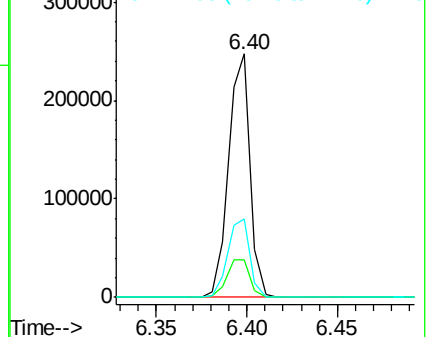
71 32.4 24.5 36.7



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: BF097701.D

Acq: 15 Aug 2017 20:00

Tgt Ion: 136 Resp: 551632

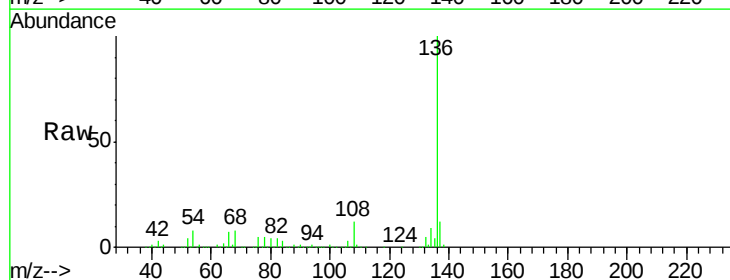
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 8.5 4.9 7.3#

68 7.8 4.1 6.1#

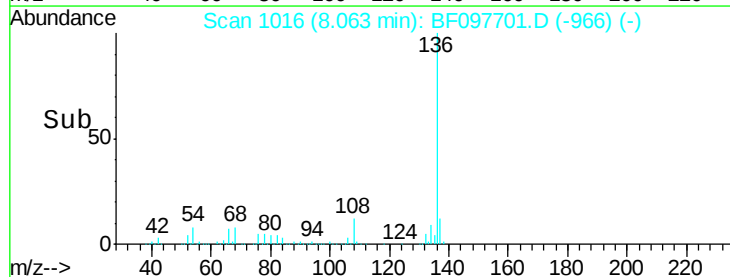
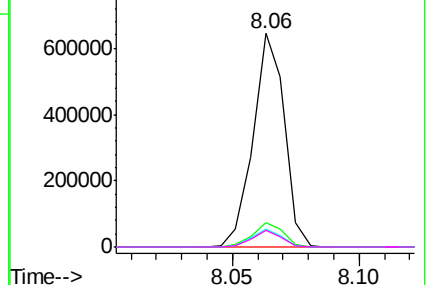


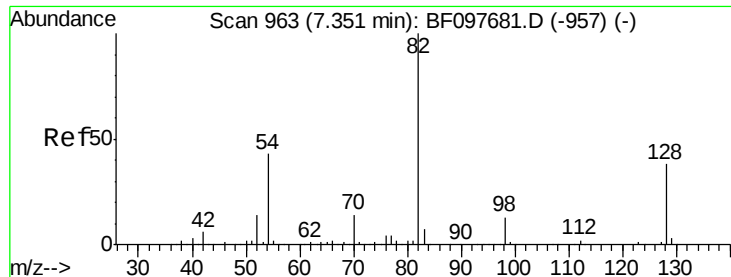
Abundance Ion 136.00 (135.70 to 136.70): E

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

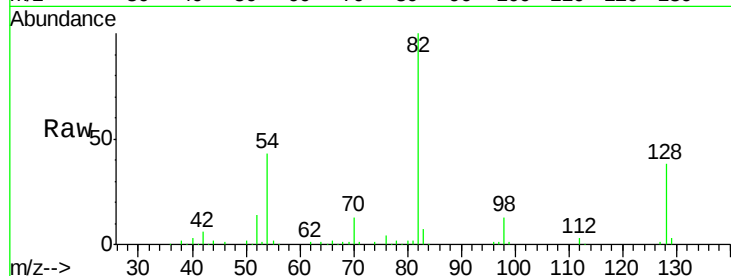




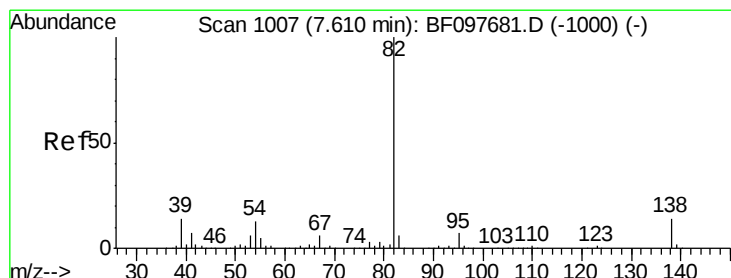
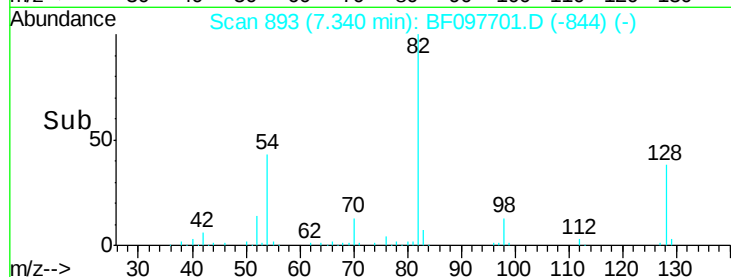
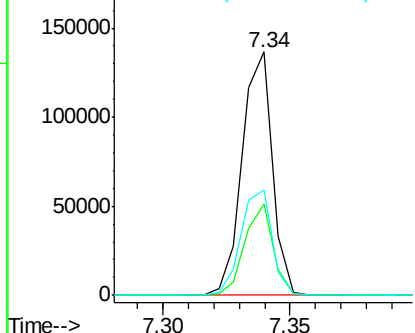
#23
 Nitrobenzene-d5
 Concen: 11.13 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

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

Tot Ion	82	Resp	113052
Ion Ratio	Lower	Upper	
82	100		
128	37.6	34.0	51.0
54	43.4	42.2	63.2

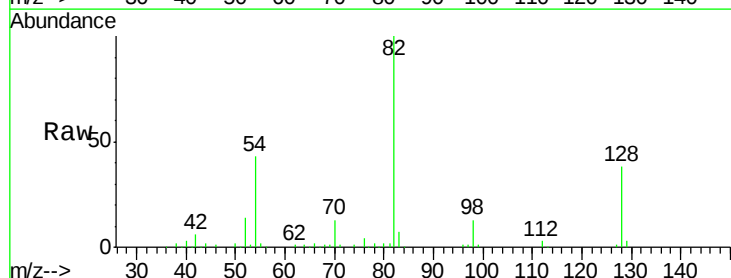


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

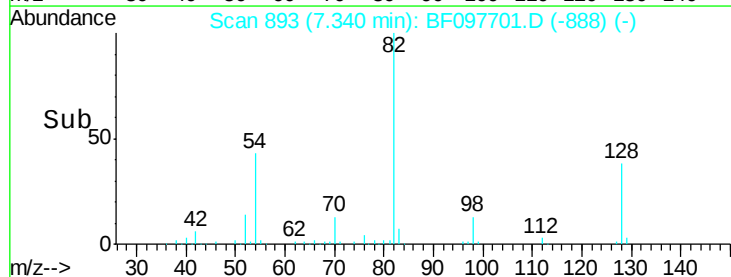
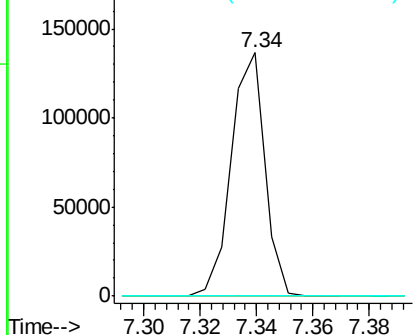


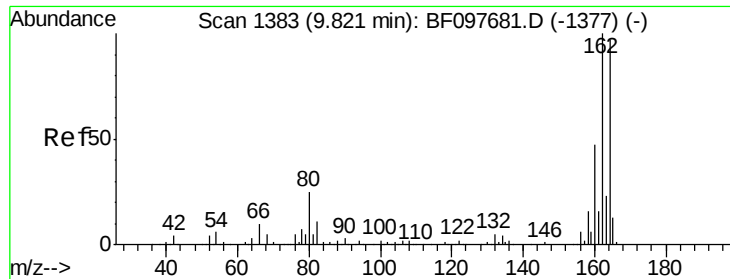
#25
 Isophorone
 Concen: 5.35 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.27 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Tgt Ion	82	Resp	113048
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

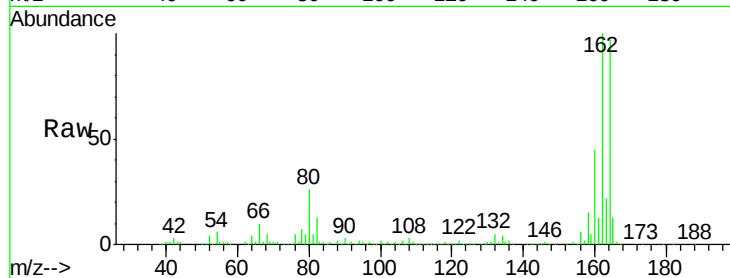




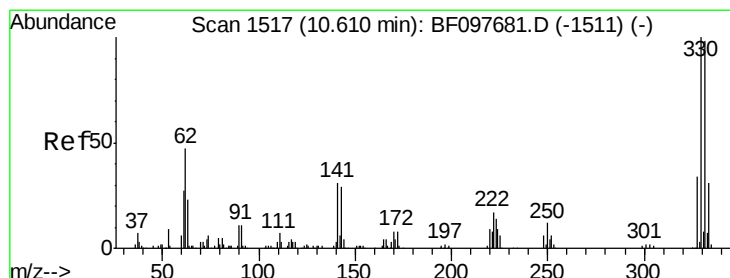
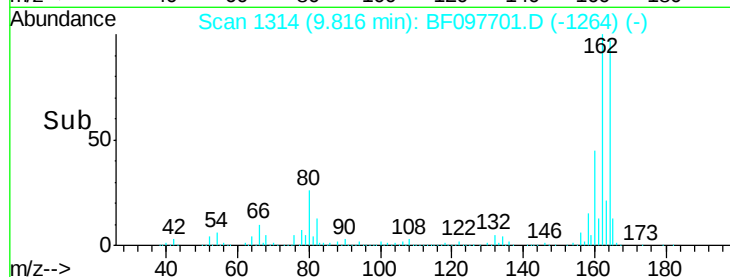
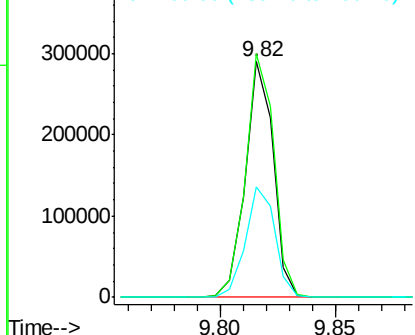
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	46.8	36.2	54.2

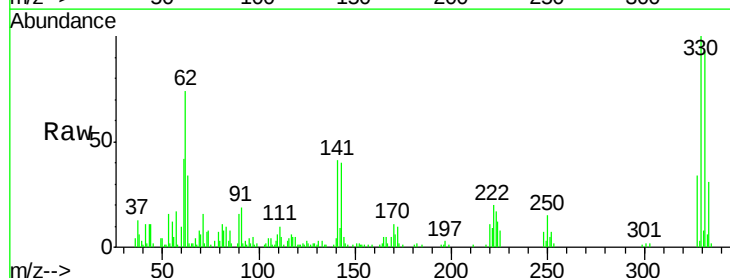


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

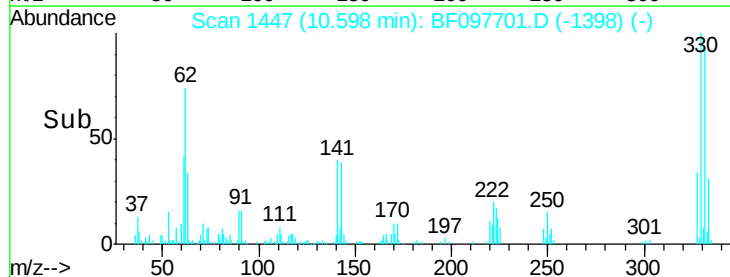
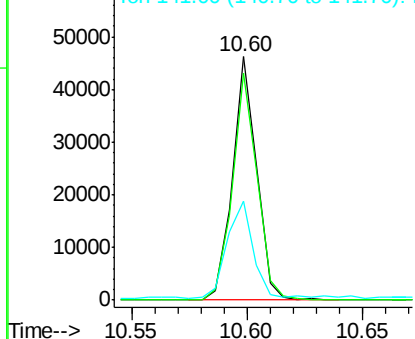


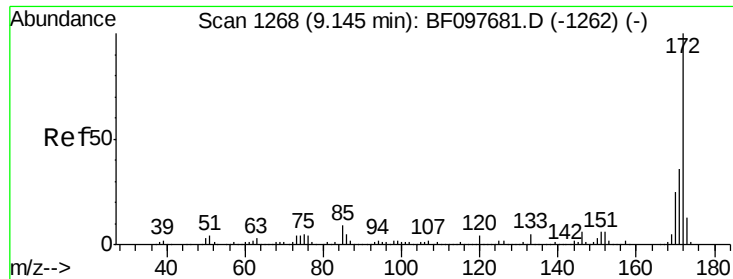
#41
 2,4,6-Tribromophenol
 Concen: 15.69 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	42.4	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

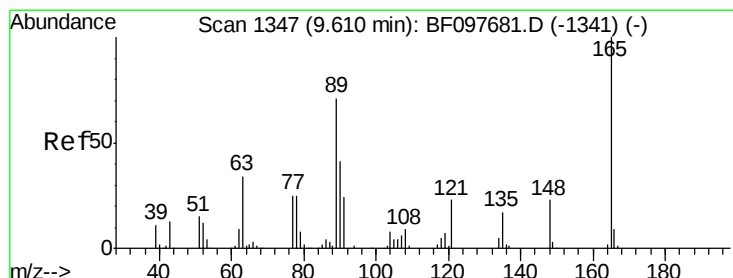
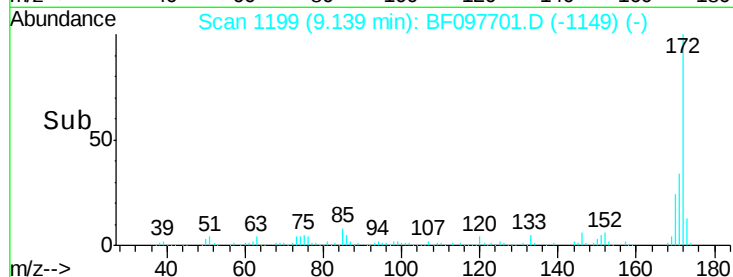
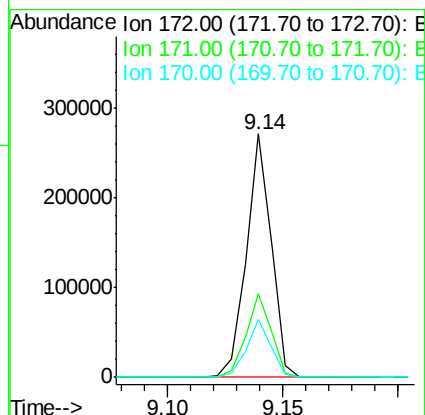
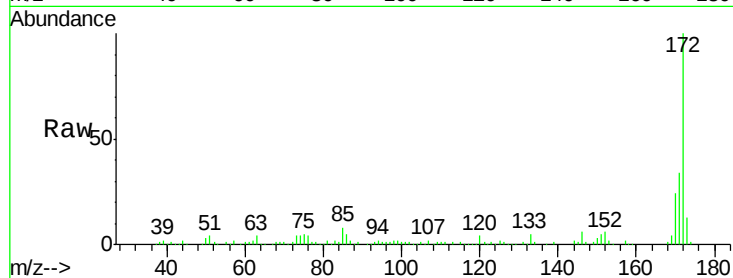




#44
 2-Fluorobiphenyl
 Concen: 12.16 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

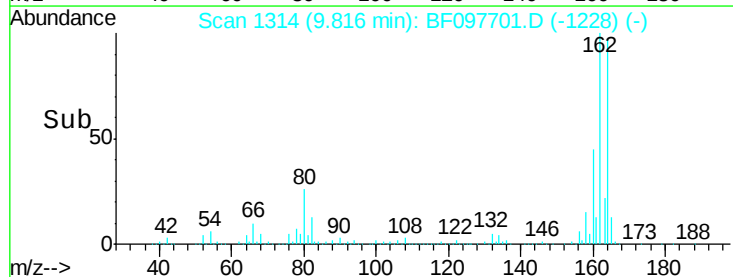
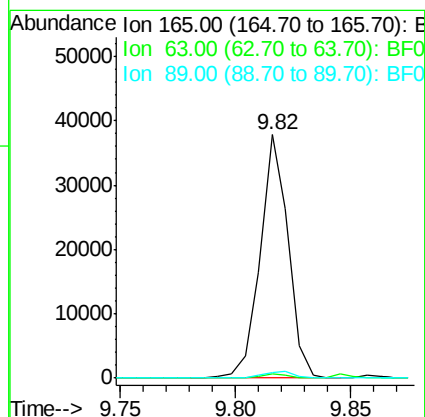
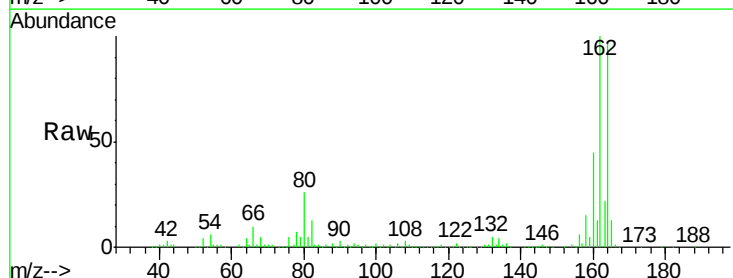
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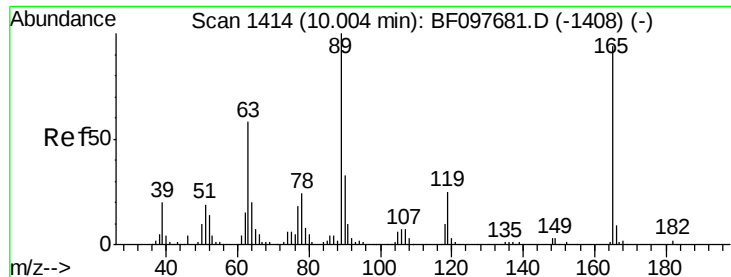
Tot Ion:172 Resp: 203839
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.6 44.4
 170 23.9 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.90 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Tgt Ion:165 Resp: 31995
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 2.1 37.1 55.7#

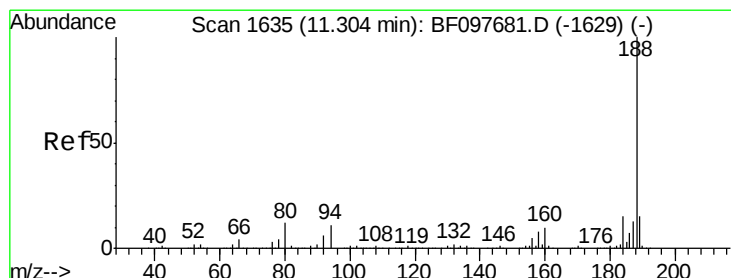
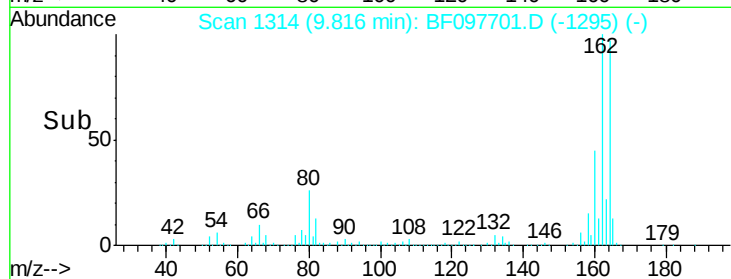
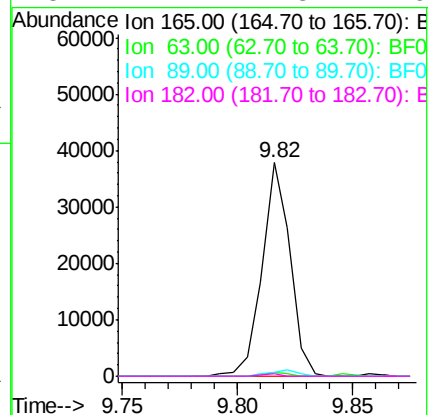
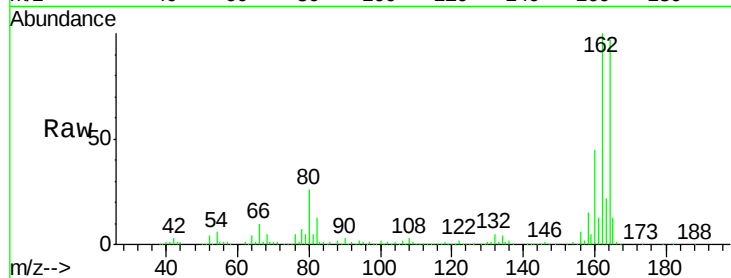




#56
 2,4-Dinitrotoluene
 Concen: 7.09 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

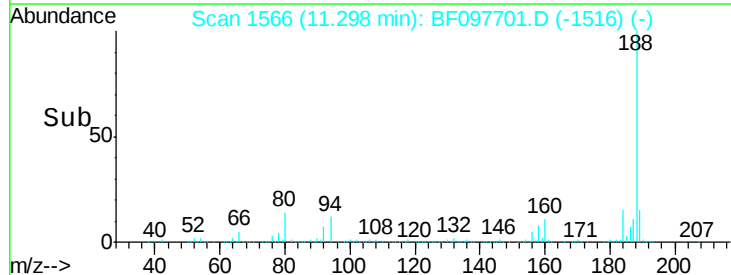
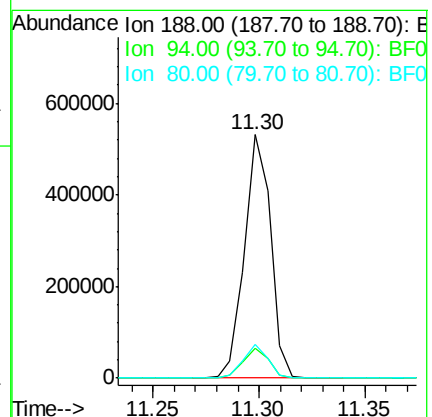
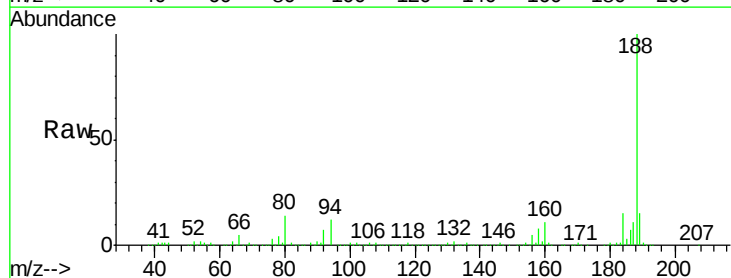
Instrument :
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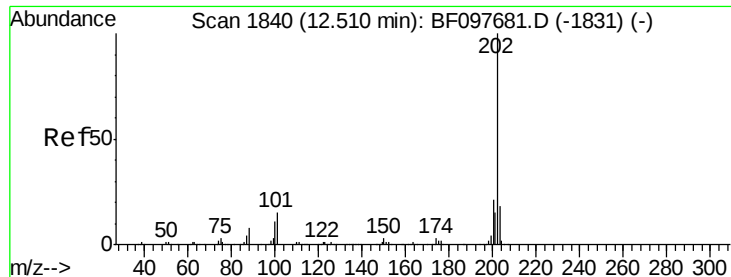
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	2.1	46.4	69.6#
182	1.2	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	13.7	10.2	15.2





#74

Fluoranthene

Concen: 2.47 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-B

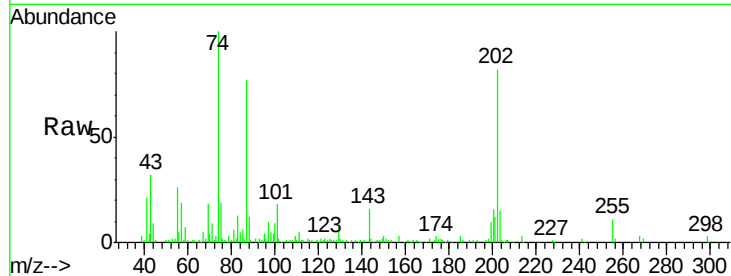
Tot Ion:202 Resp: 62342

Ion Ratio Lower Upper

202 100

101 22.3 0.0 33.2

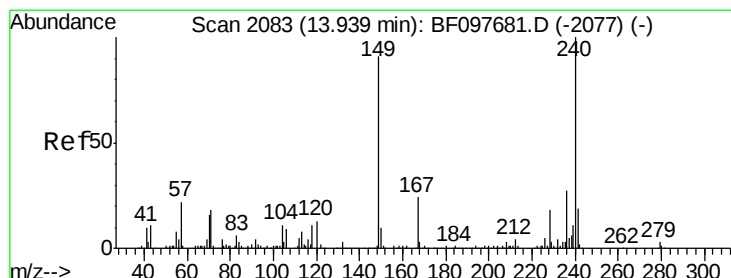
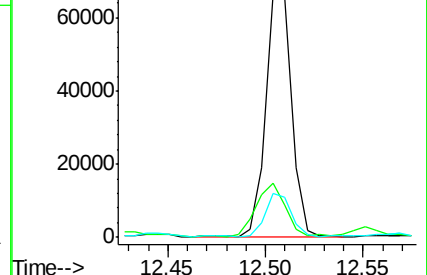
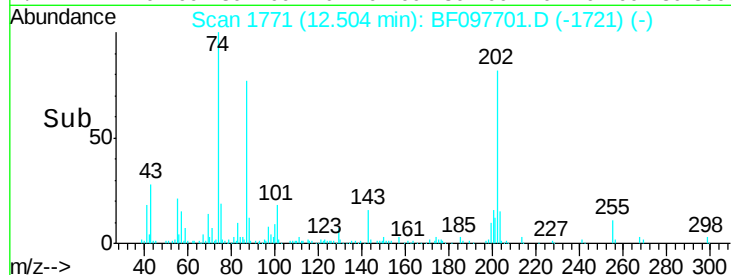
203 17.9 0.0 38.1



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: BF097701.D

Acq: 15 Aug 2017 20:00

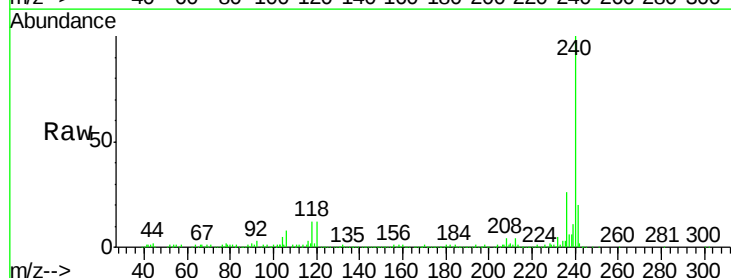
Tgt Ion:240 Resp: 284962

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

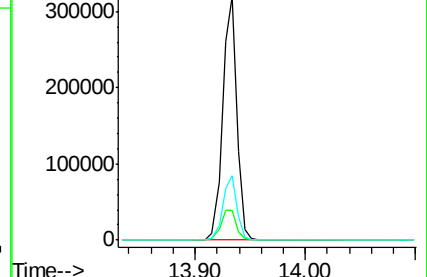
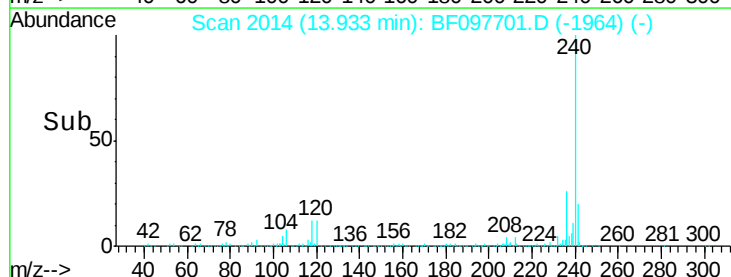
236 26.4 20.5 30.7

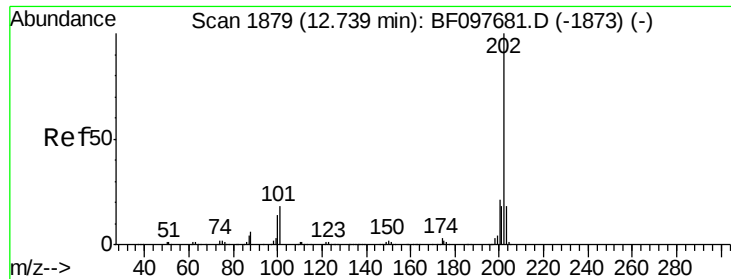


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.23 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-B

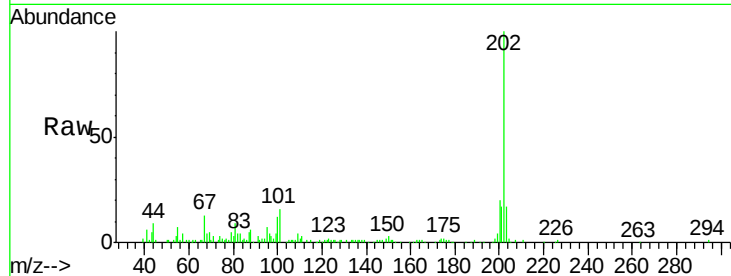
Tot Ion:202 Resp: 75337

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

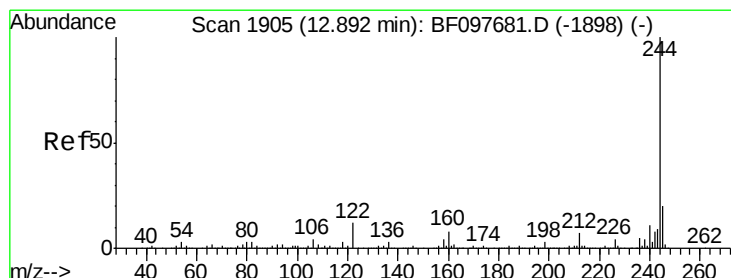
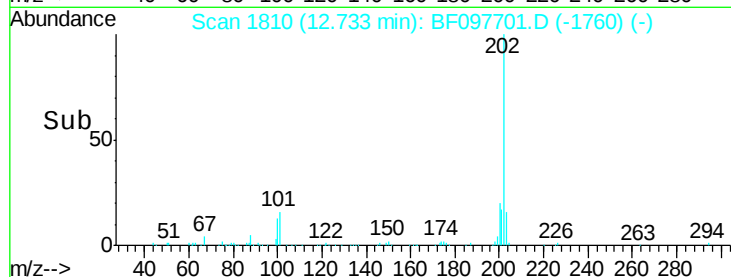
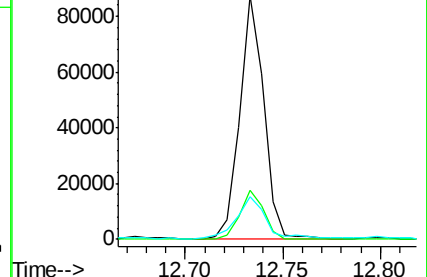
203 17.4 14.4 21.6



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: 10.63 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

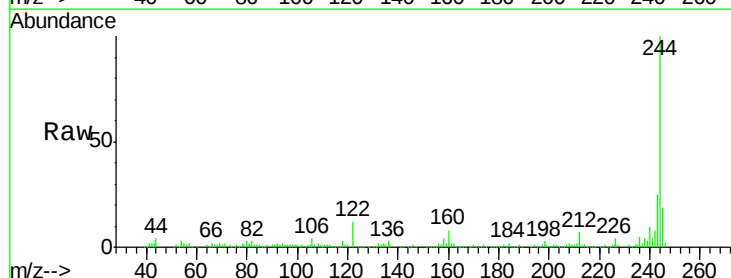
Tgt Ion:244 Resp: 145206

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

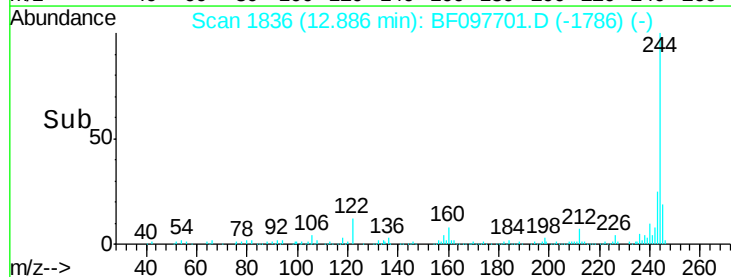
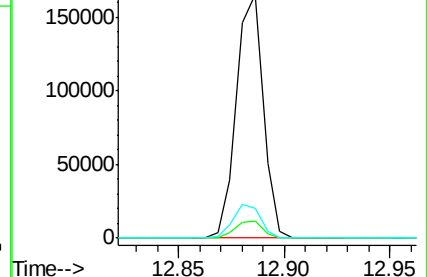
122 12.0 10.3 15.5

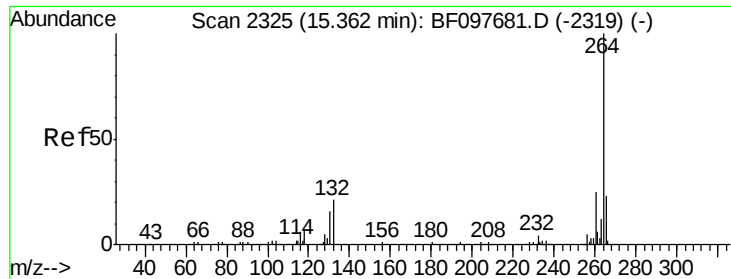


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

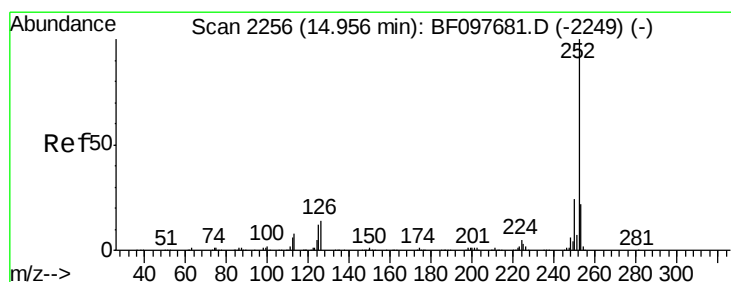
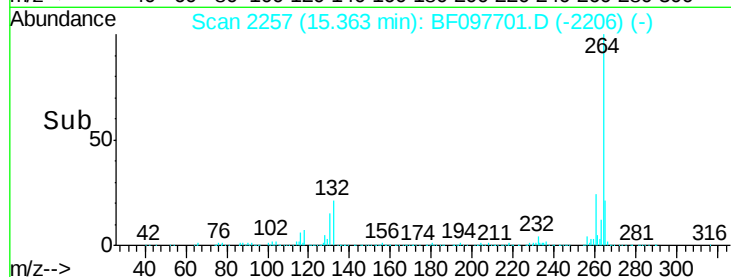
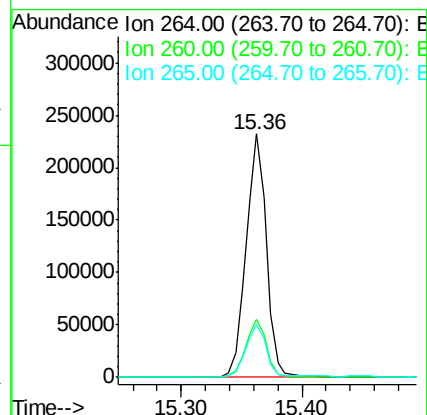
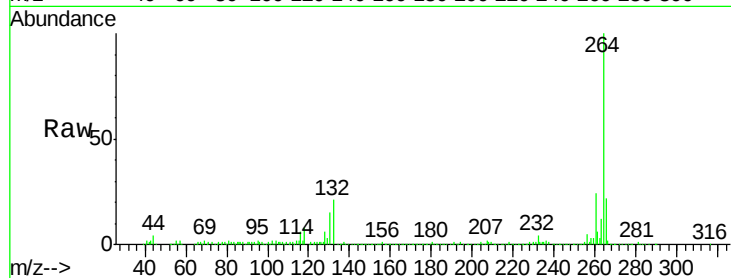




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

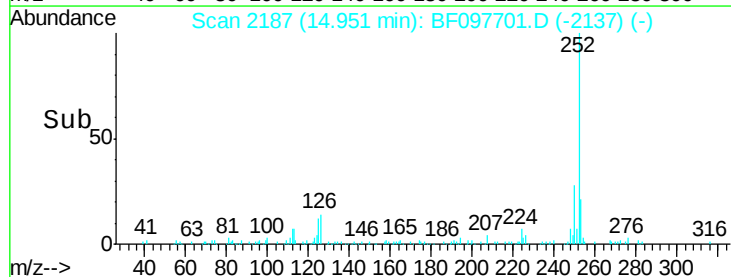
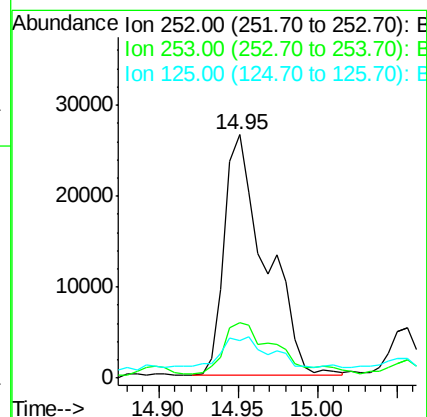
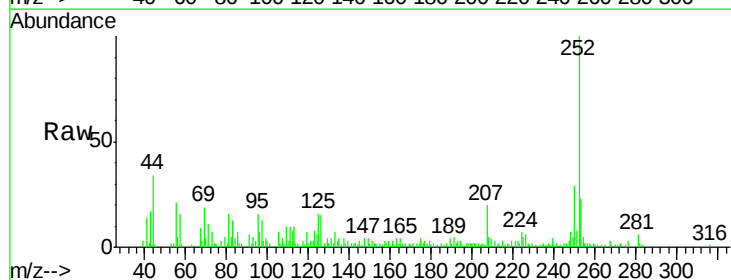
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-B

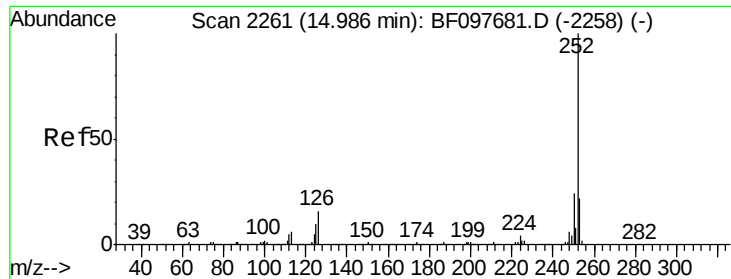
Tot Ion:264 Resp: 273742
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.79 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Tgt Ion:252 Resp: 48150
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 15.6 9.8 14.8#

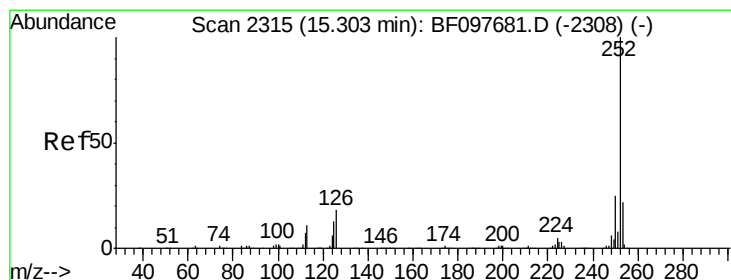
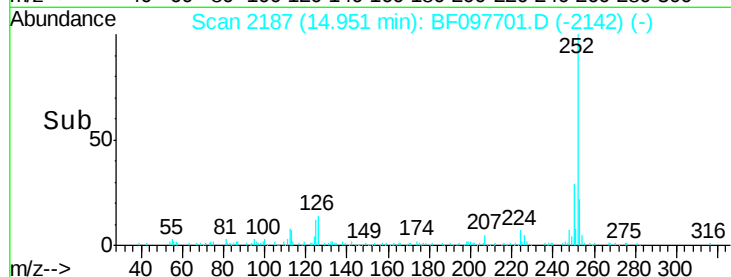
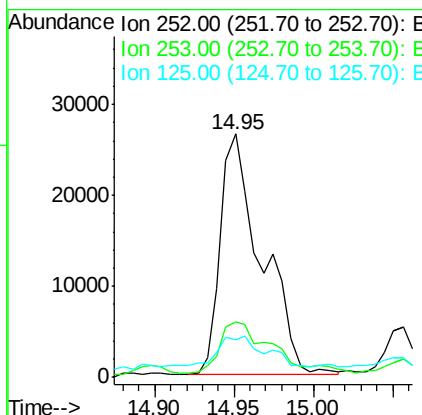
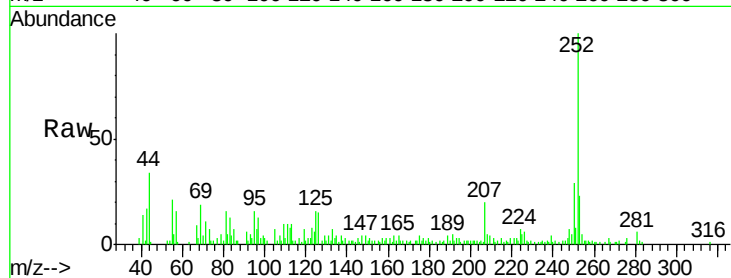




#88
Benzo(k)fluoranthene
Concen: 2.97 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

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

Tot Ion:252 Resp: 48150
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 15.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.10 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Tgt Ion:252 Resp: 32131
Ion Ratio Lower Upper
252 100
253 20.5 17.5 26.3
125 18.6 11.0 16.4#

