

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097061.D
 Acq On : 26 Jul 2017 7:01
 Operator : SJ/JU
 Sample : I4370-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 07:30:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

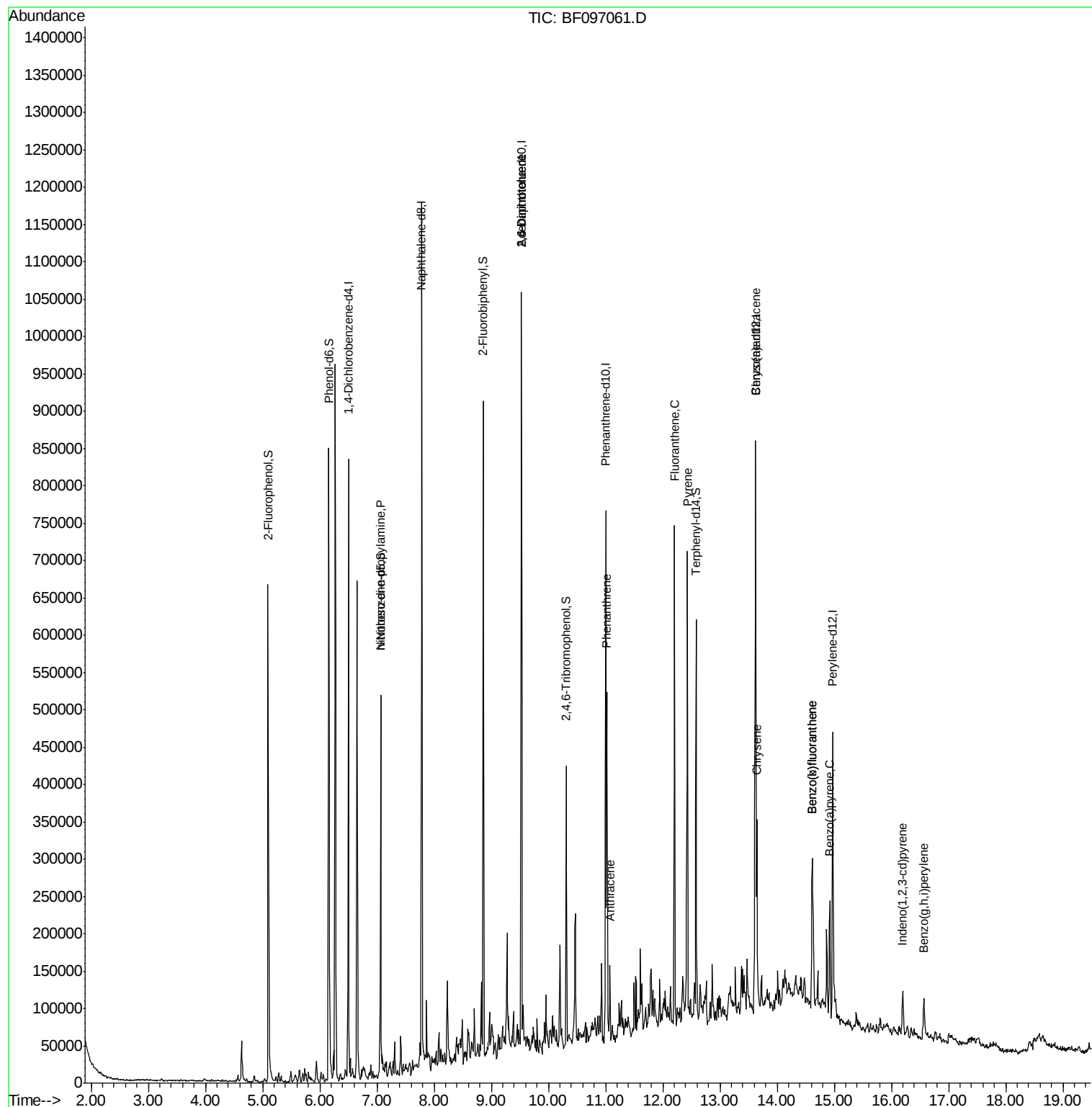
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	117336	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	471827	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	182767	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	251403	20.00	ng	0.00
75) Chrysene-d12	13.63	240	207972	20.00	ng	0.00
86) Perylene-d12	14.97	264	142657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	216332	27.79	ng	0.00
7) Phenol-d6	6.16	99	257916	29.03	ng	-0.01
23) Nitrobenzene-d5	7.06	82	138189	17.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	36332	25.16	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	250933	23.30	ng	-0.01
78) Terphenyl-d14	12.58	244	144278	14.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	20880	3.57	ng	# 87
50) 2,6-Dinitrotoluene	9.53	165	23279	7.91	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	23279	6.88	ng	# 33
70) Phenanthrene	11.02	178	165663	12.30	ng	97
71) Anthracene	11.07	178	32163	2.33	ng	98
74) Fluoranthene	12.20	202	254263	19.27	ng	97
77) Pyrene	12.43	202	252679	14.84	ng	98
80) Benzo(a)anthracene	13.62	228	97506	7.25	ng	97
82) Chrysene	13.64	228	94004	7.15	ng	96
85) Indeno(1,2,3-cd)pyrene	16.20	276	33875	3.01	ng	99
87) Benzo(b)fluoranthene	14.62	252	118772	13.85	ng	99
88) Benzo(k)fluoranthene	14.62	252	118772	14.53	ng	97
89) Benzo(a)pyrene	14.92	252	60578	7.72	ng	96
91) Benzo(a,h,i)perylene	16.56	276	30757	4.56	ng	95

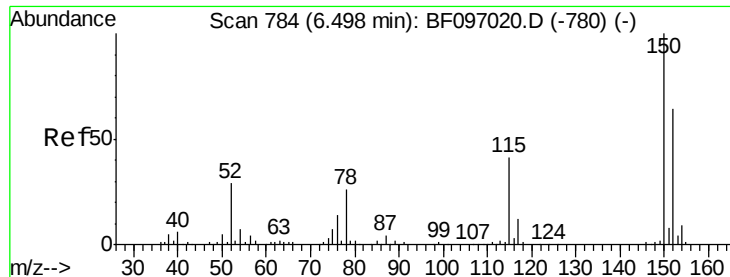
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097061.D
Acq On : 26 Jul 2017 7:01
Operator : SJ/JU
Sample : I4370-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 26 07:30:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



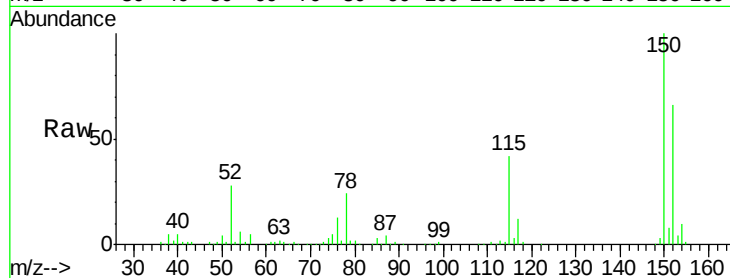


#1

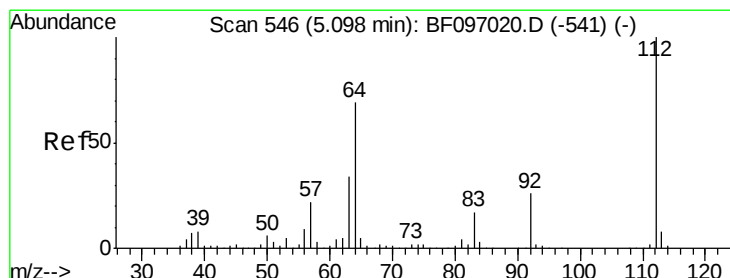
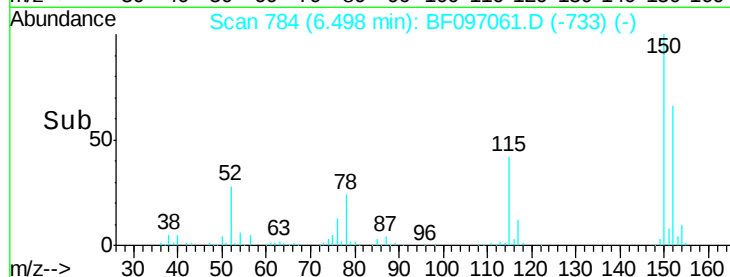
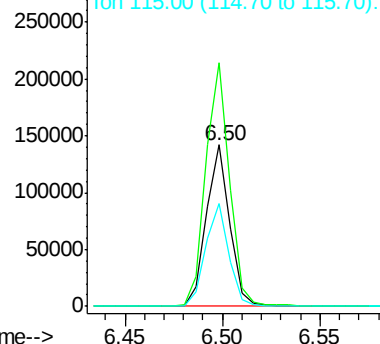
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117336
Ion Ratio Lower Upper
152 100
150 150.9 126.2 189.2
115 63.8 52.2 78.2



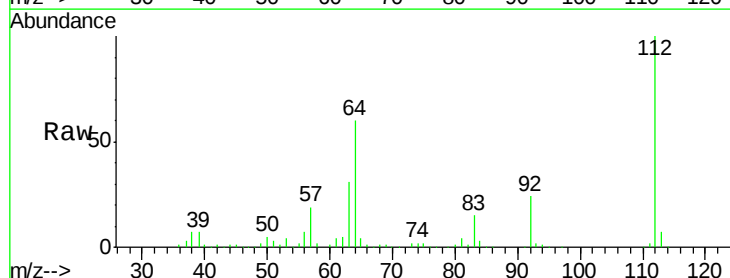
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



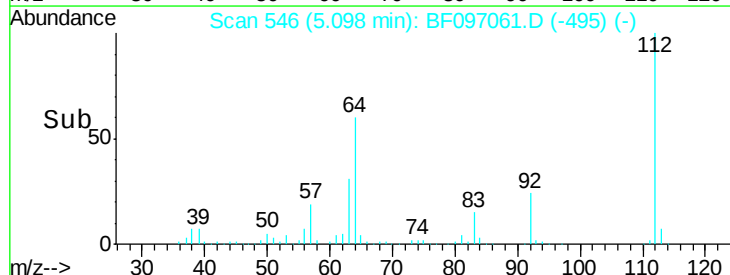
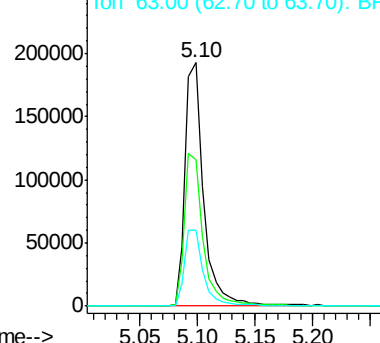
#5

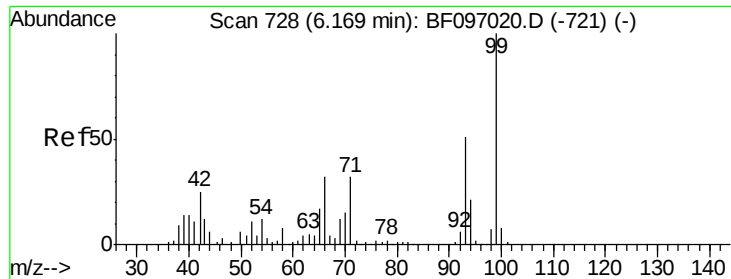
2-Fluorophenol
Concen: 27.79 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:112 Resp: 216332
Ion Ratio Lower Upper
112 100
64 60.1 46.0 69.0
63 31.5 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: 29.03 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

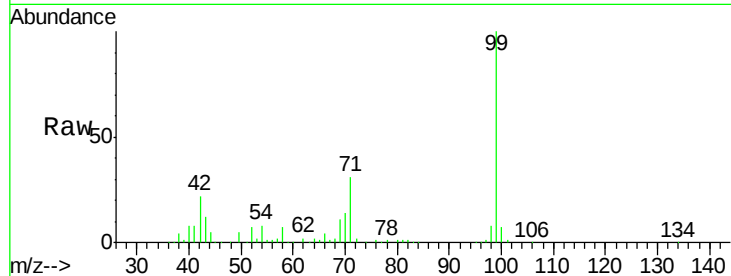
Tot Ion: 99 Resp: 257916

Ion Ratio Lower Upper

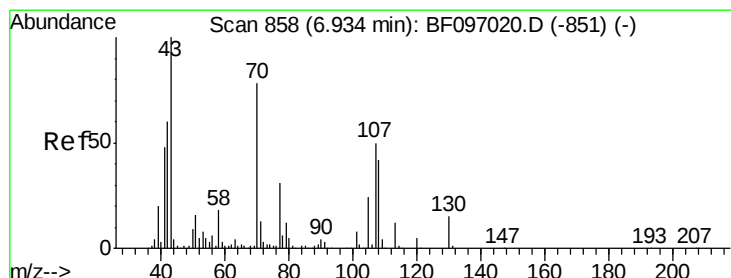
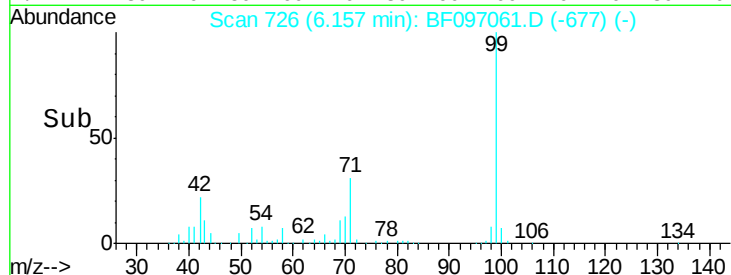
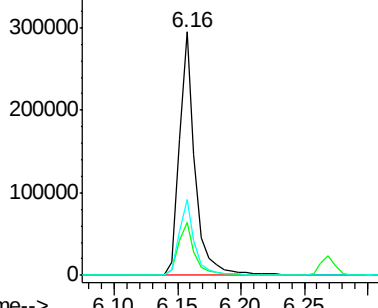
99 100

42 21.9 13.5 20.3#

71 31.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 3.57 ng

RT: 7.06 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Tgt Ion: 70 Resp: 20880

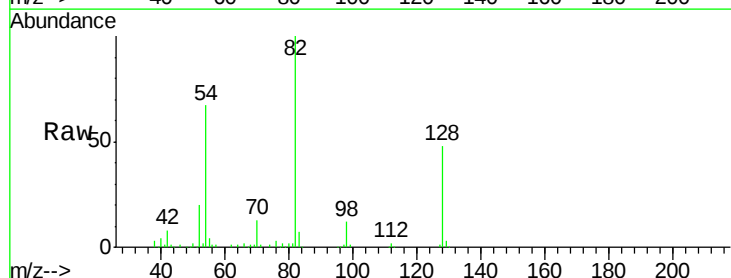
Ion Ratio Lower Upper

70 100

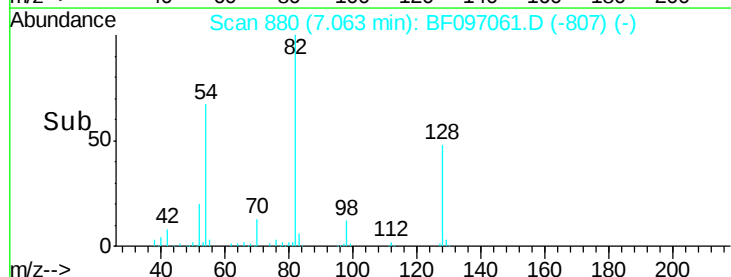
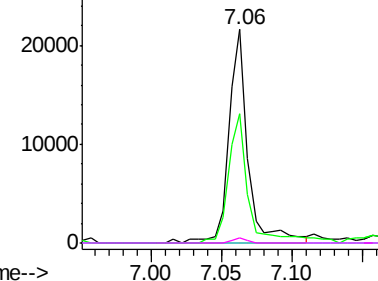
42 60.7 47.2 70.8

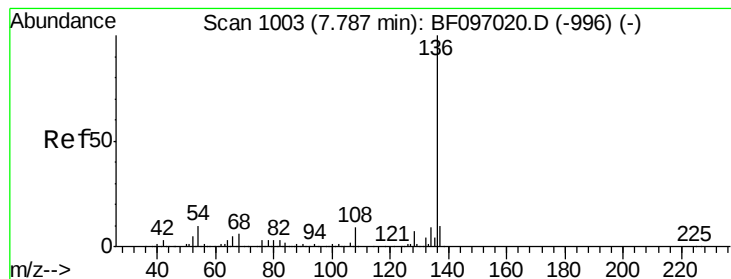
101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 471827

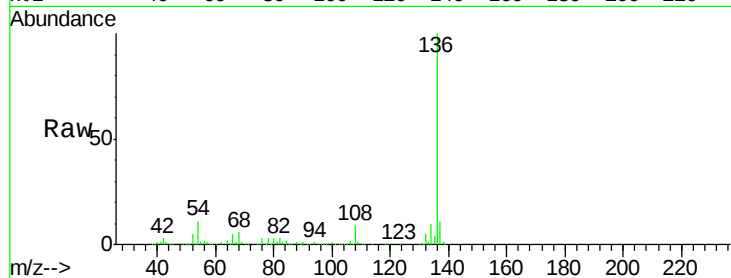
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.1 4.9 7.3#

68 5.8 4.1 6.1

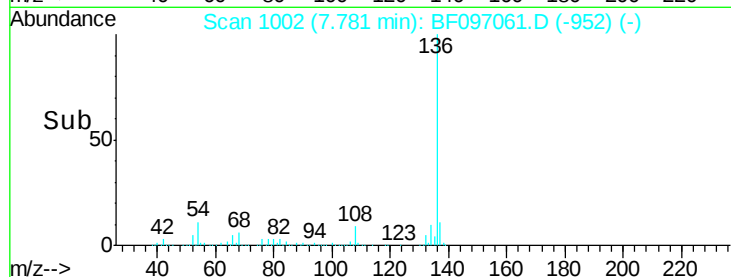


Abundance Ion 136.00 (135.70 to 136.70): E

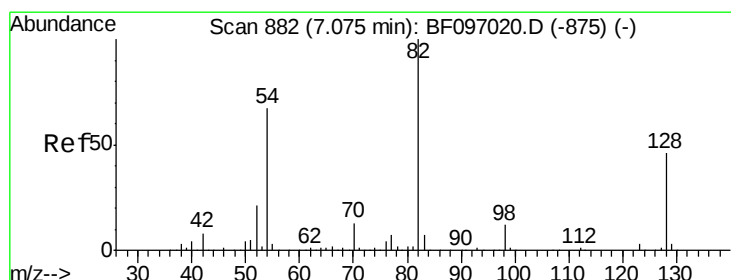
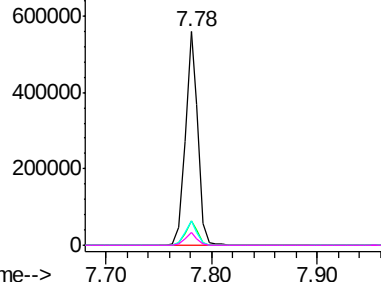
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 17.18 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

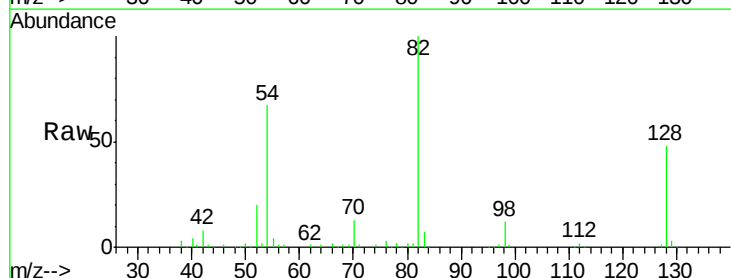
Tgt Ion: 82 Resp: 138189

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

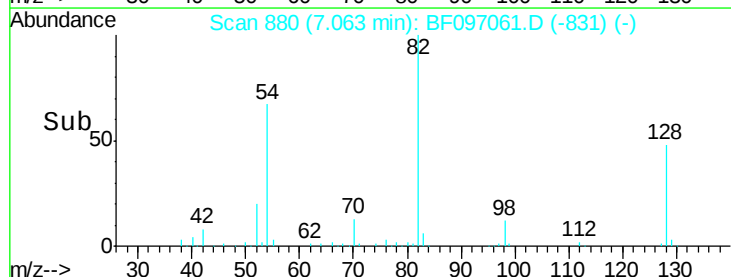
54 66.7 42.2 63.2#



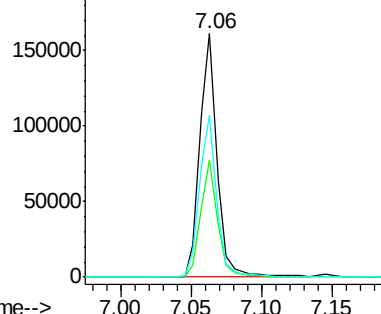
Abundance Ion 82.00 (81.70 to 82.70): BF0

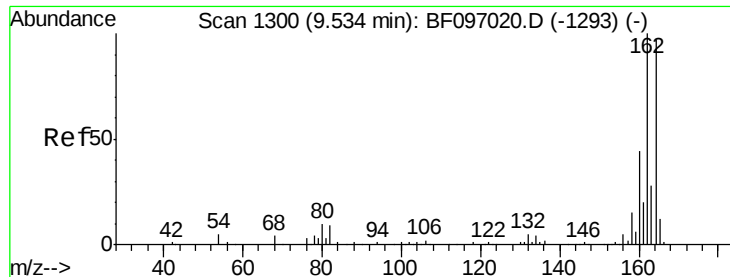
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

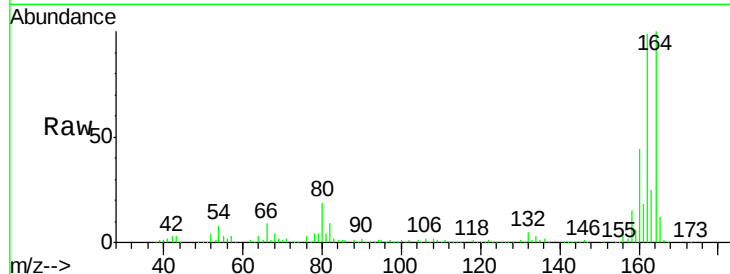




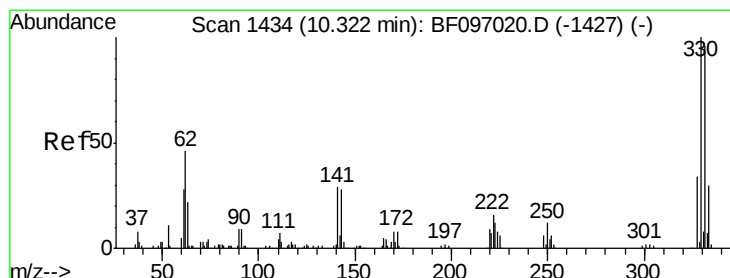
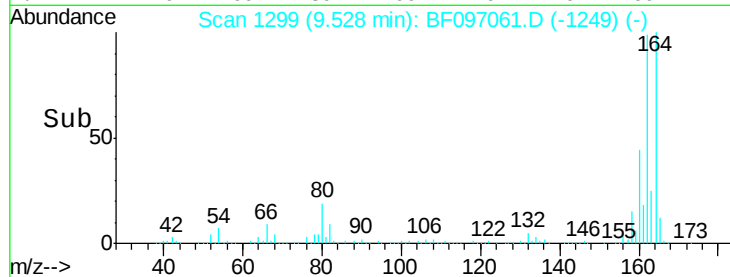
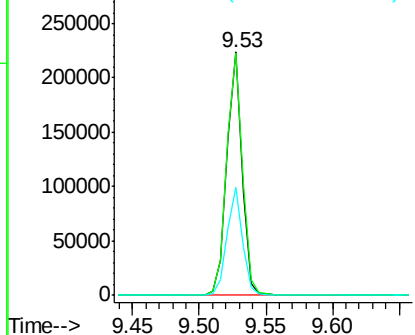
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 182767
 Ion Ratio Lower Upper
 164 100
 162 99.4 82.6 123.8
 160 44.2 36.2 54.2

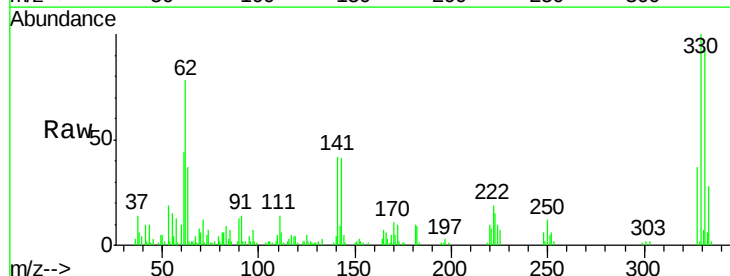


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

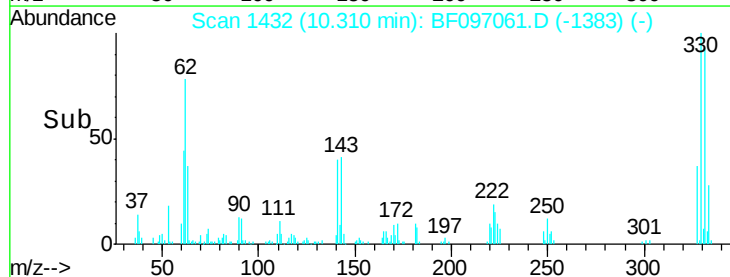
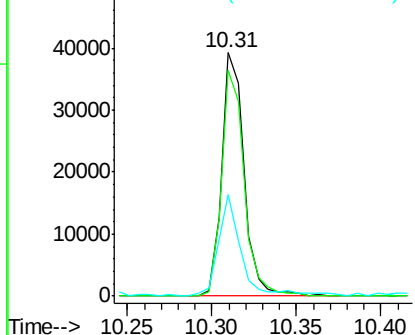


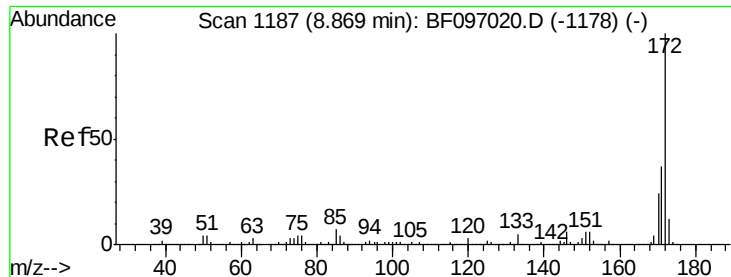
#41
 2,4,6-Tribromophenol
 Concen: 25.16 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion:330 Resp: 36332
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.6 115.0
 141 43.0 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

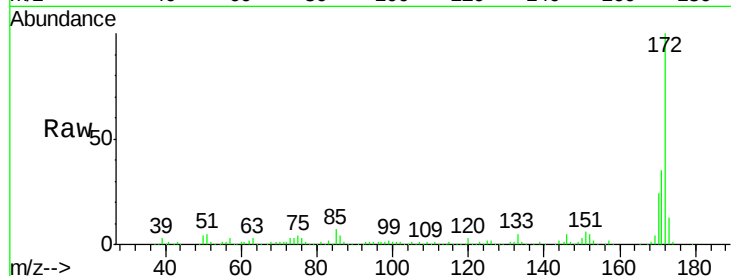




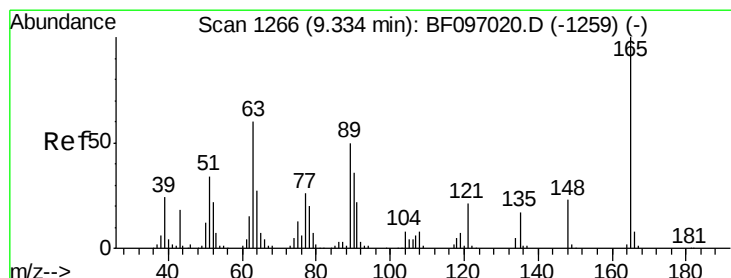
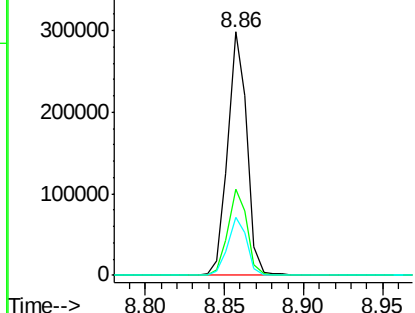
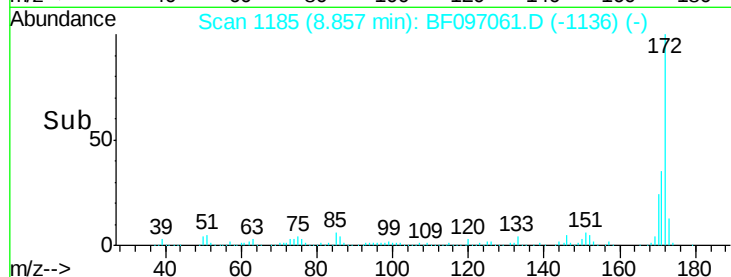
#44
 2-Fluorobiphenyl
 Concen: 23.30 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.8	19.8	29.8

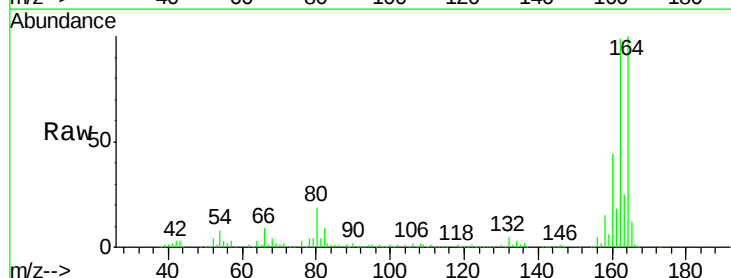


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

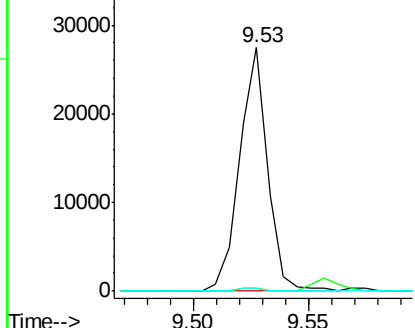
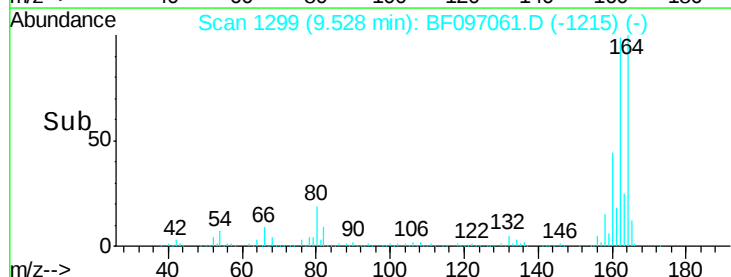


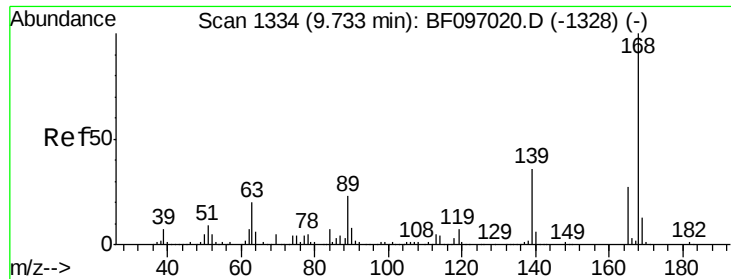
#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.3	37.1	55.7#



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

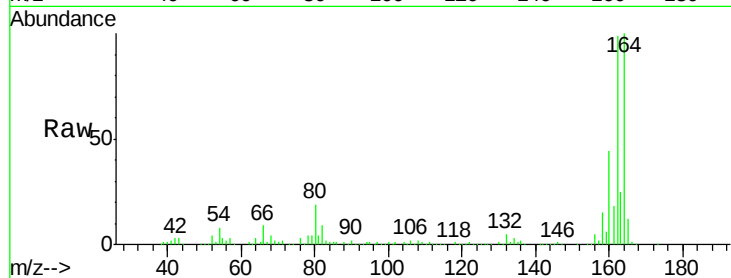




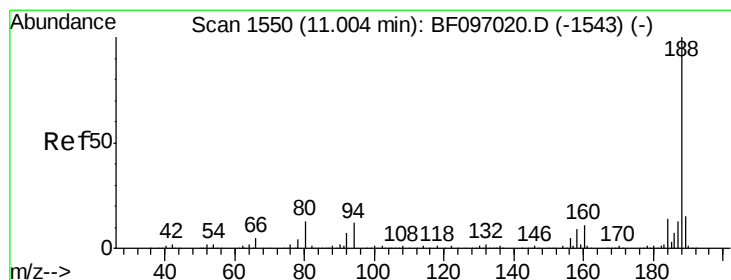
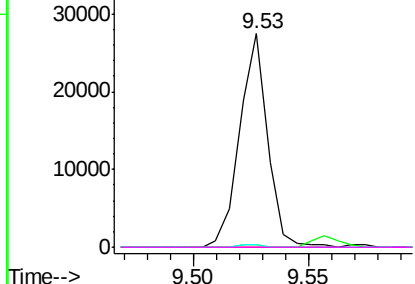
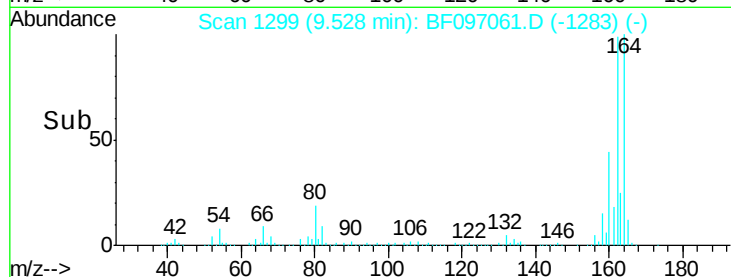
#56
 2,4-Dinitrotoluene
 Concen: 6.88 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23279
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#

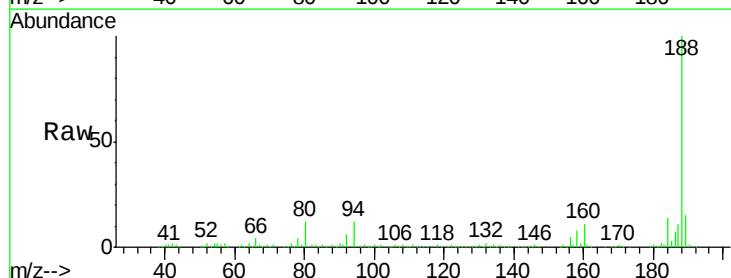


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

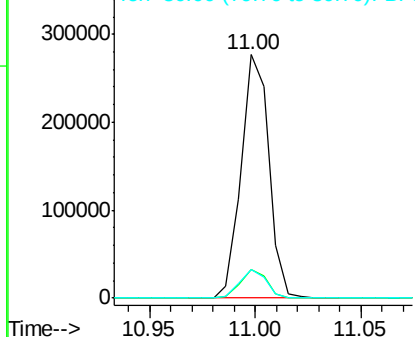
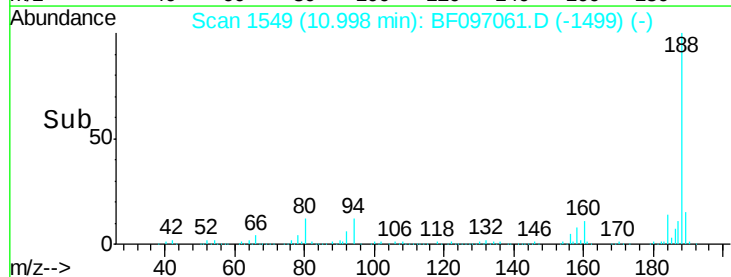


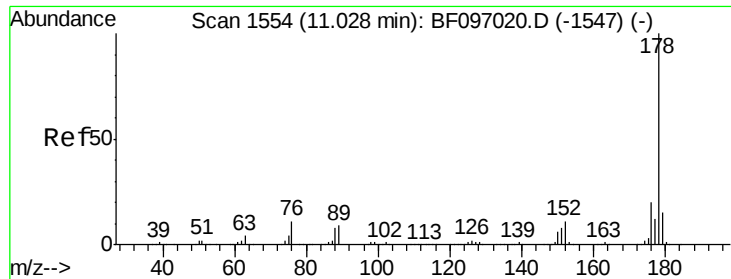
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion:188 Resp: 251403
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 11.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 12.30 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampled :

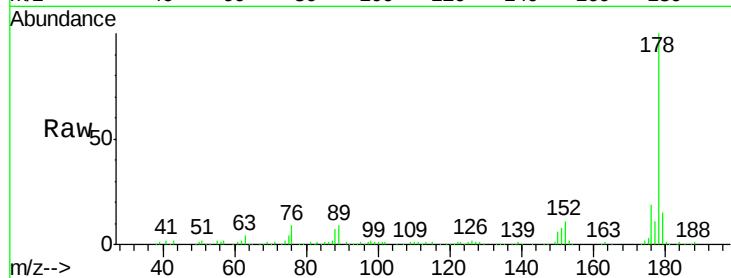
Tot Ion:178 Resp: 165663

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

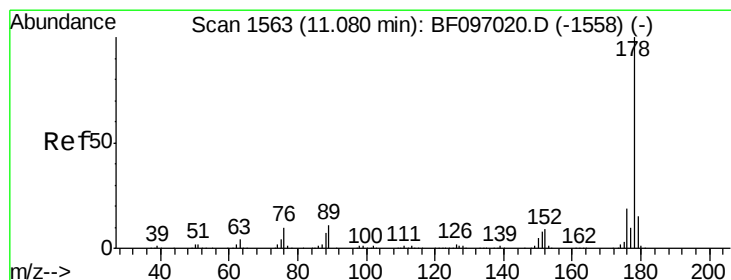
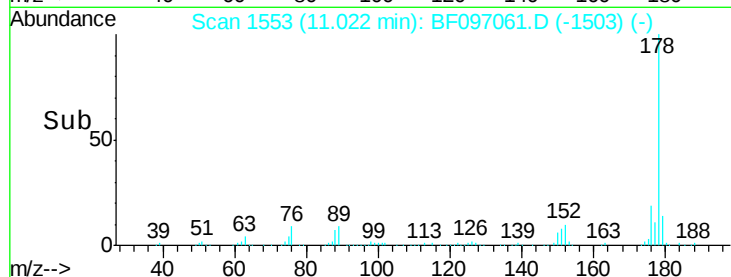
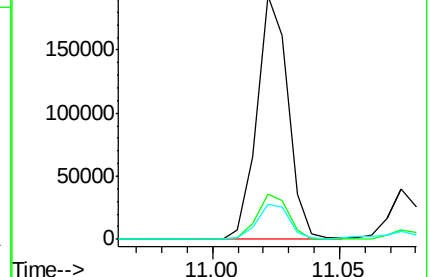
179 14.6 12.6 19.0



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: 2.33 ng

RT: 11.07 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

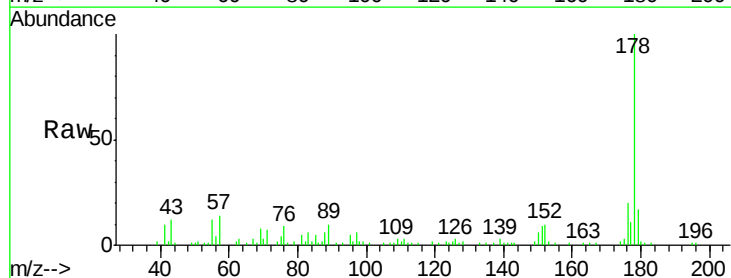
Tgt Ion:178 Resp: 32163

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

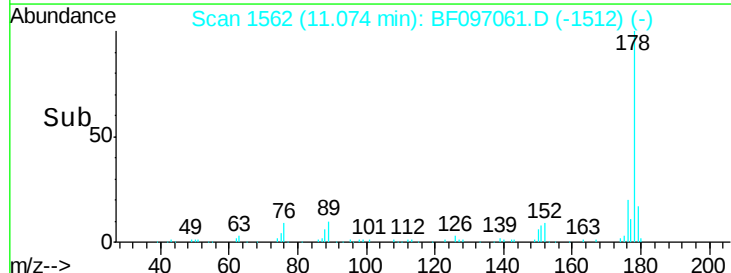
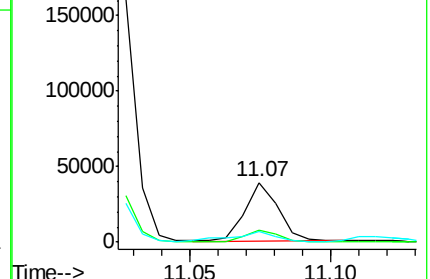
179 17.5 12.7 19.1

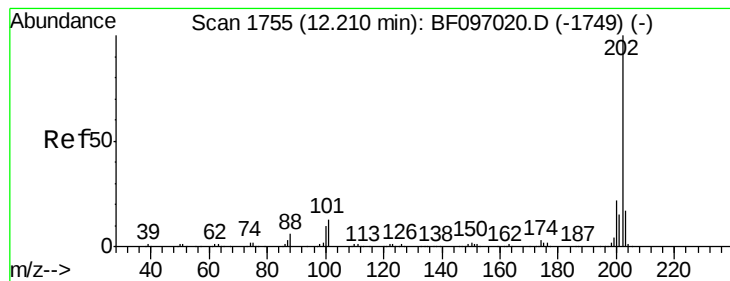


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.27 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

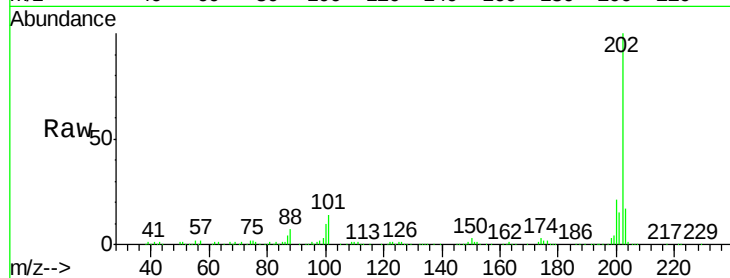
Tot Ion:202 Resp: 254263

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

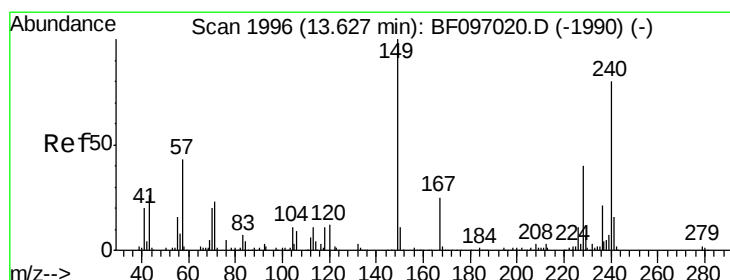
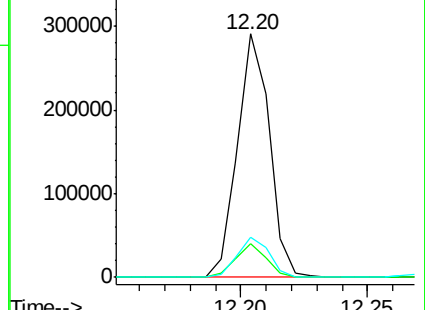
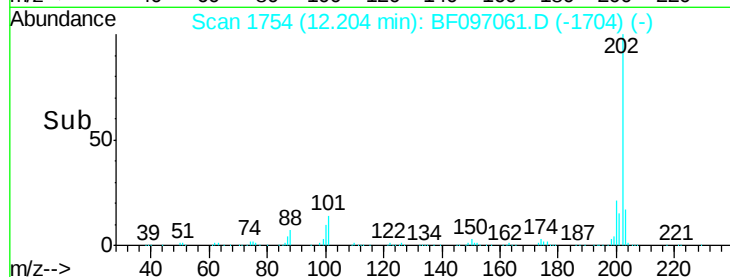
203 16.5 0.0 38.1



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: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

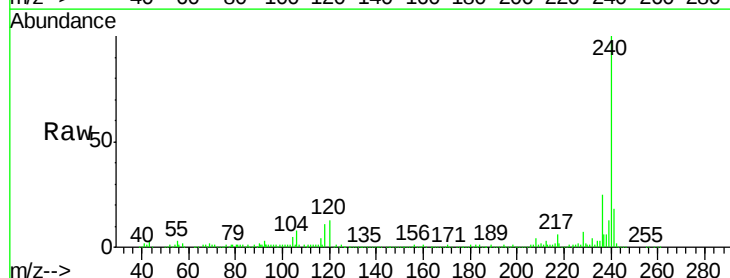
Tgt Ion:240 Resp: 207972

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

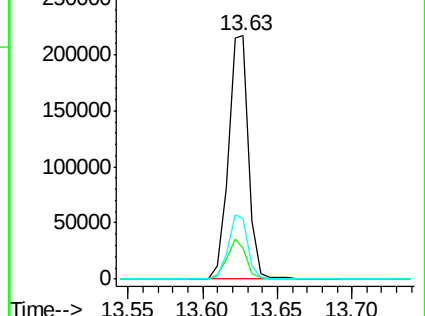
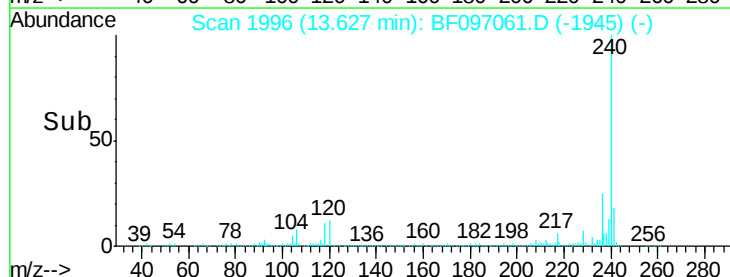
236 25.1 20.5 30.7

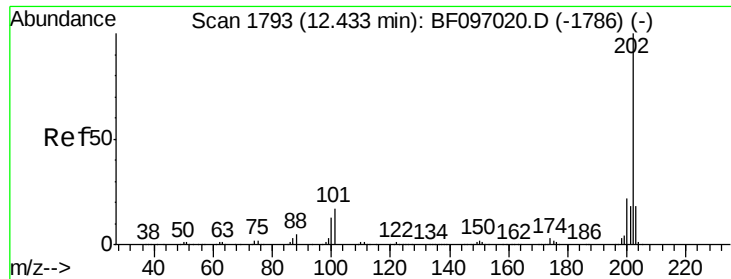


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.84 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

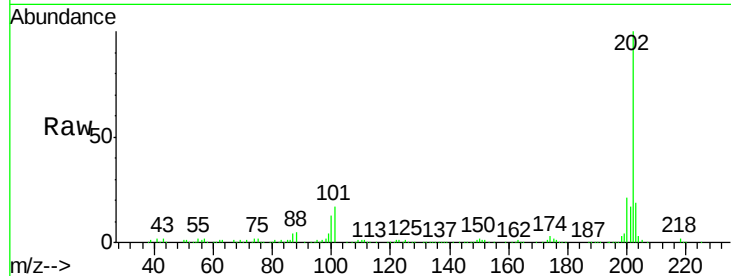
Tot Ion:202 Resp: 252679

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

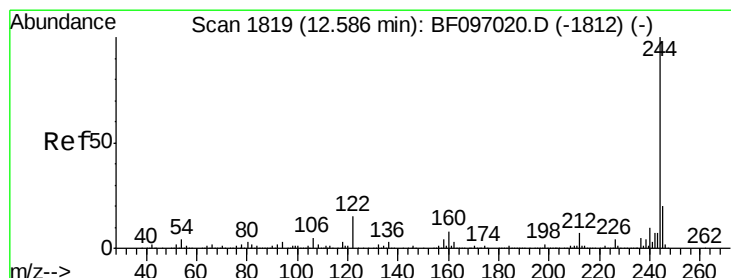
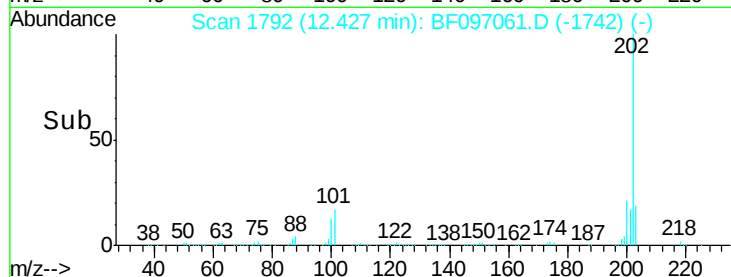
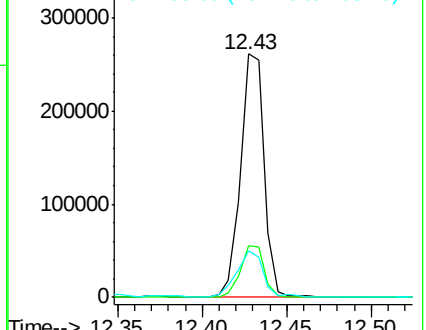
203 19.2 14.4 21.6



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: 14.14 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

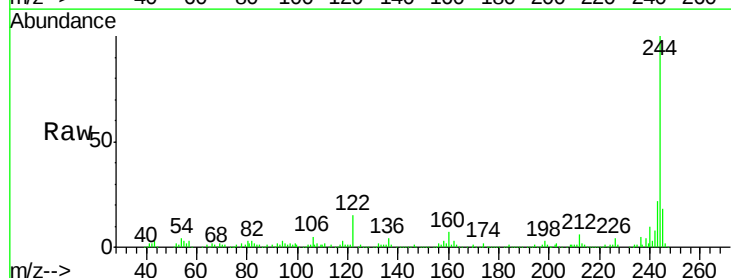
Tgt Ion:244 Resp: 144278

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

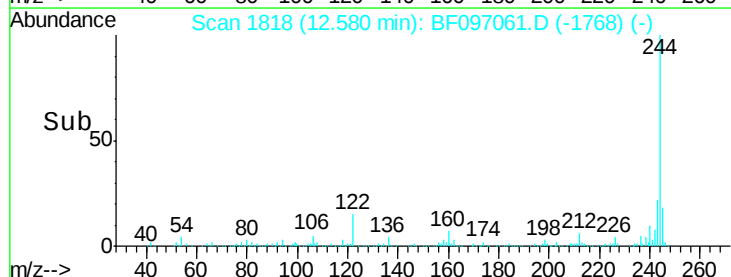
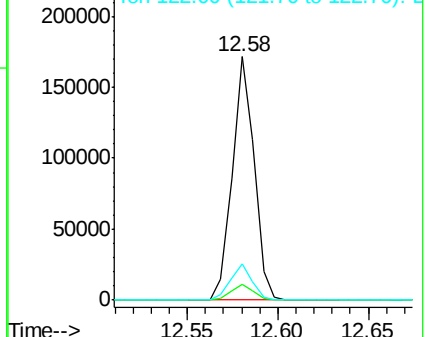
122 15.1 10.3 15.5

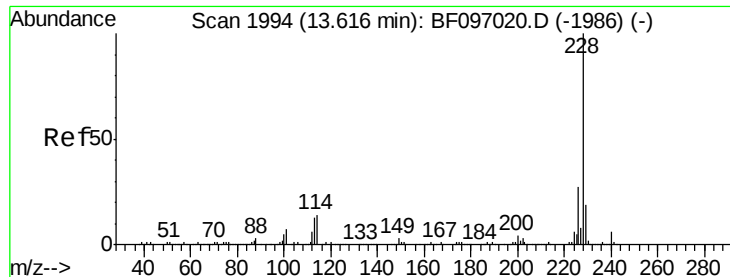


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.25 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

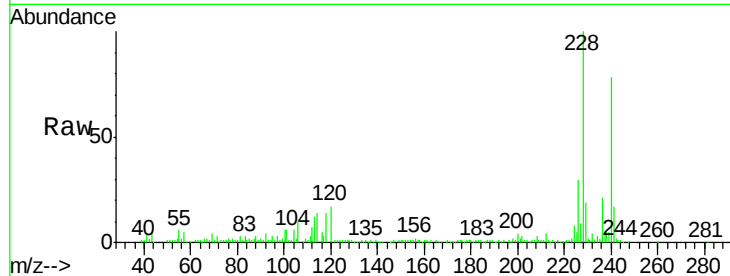
Tot Ion:228 Resp: 97506

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

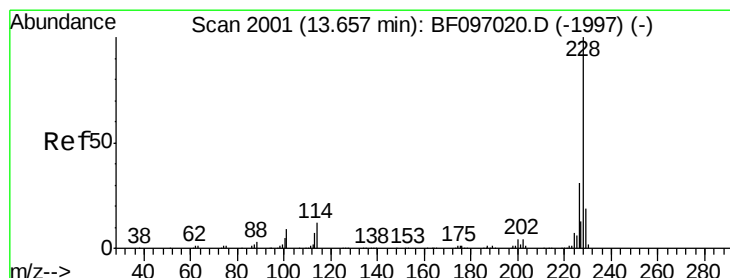
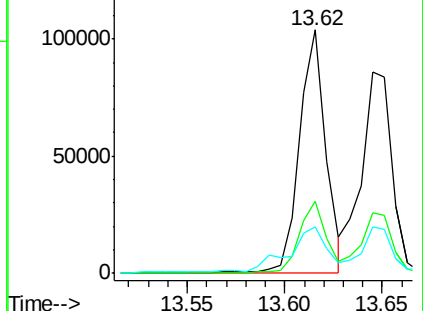
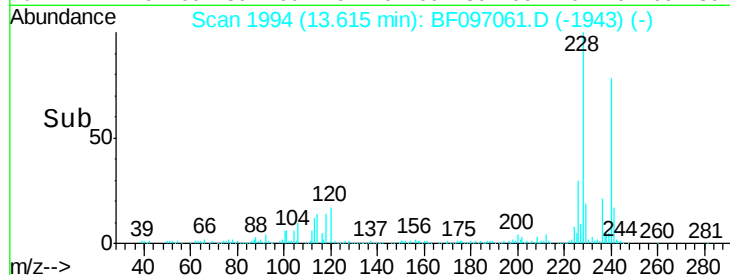
229 19.2 16.3 24.5



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: 7.15 ng

RT: 13.64 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

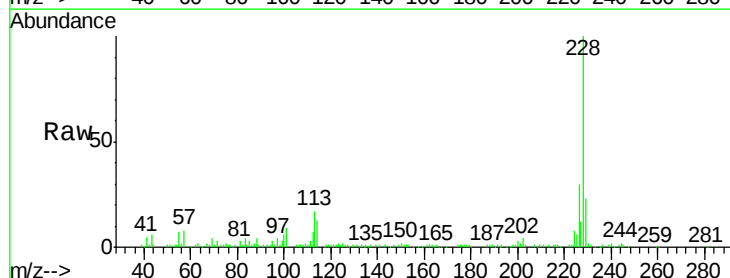
Tgt Ion:228 Resp: 94004

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

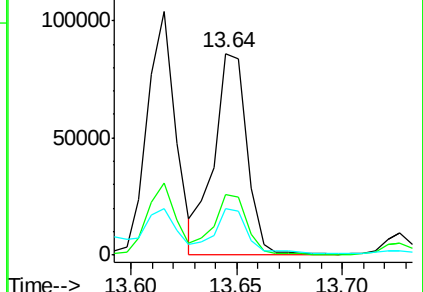
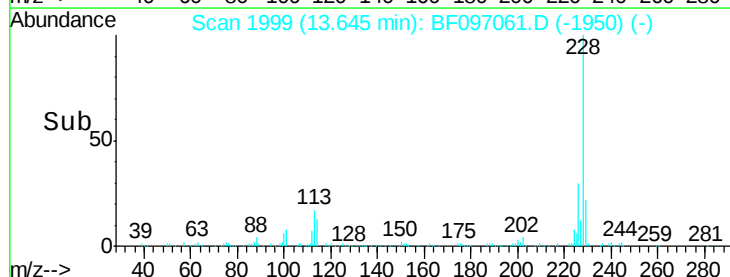
229 23.0 15.8 23.6

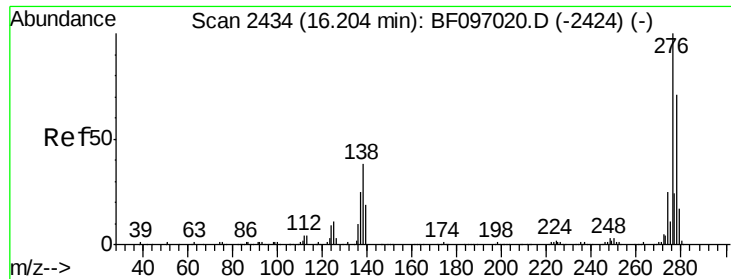


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

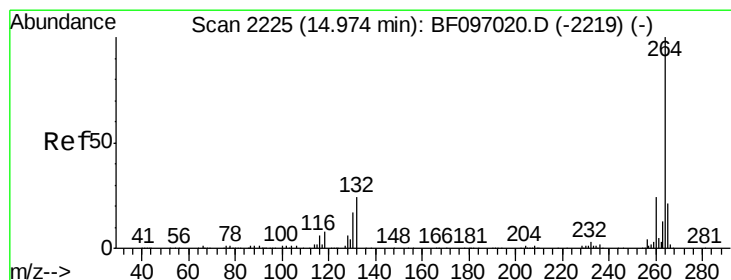
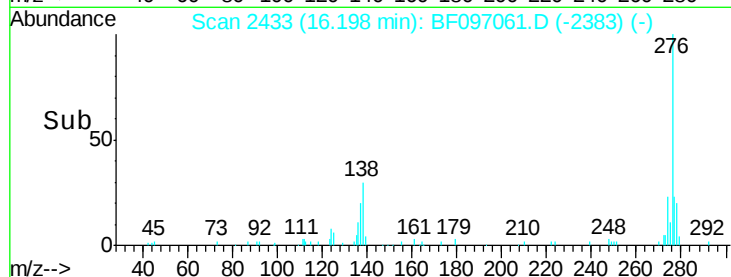
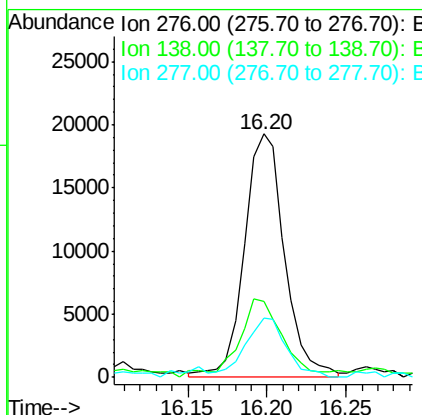
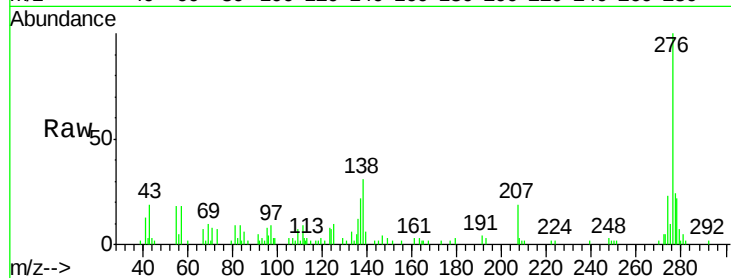




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.01 ng
 RT: 16.20 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

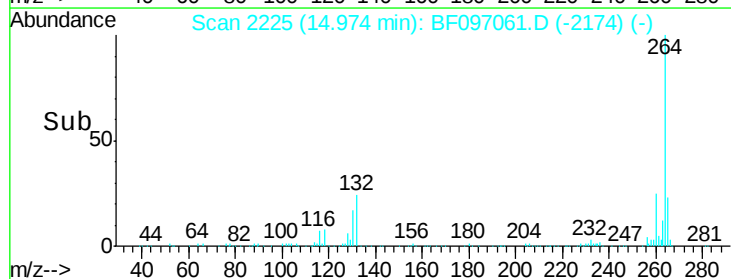
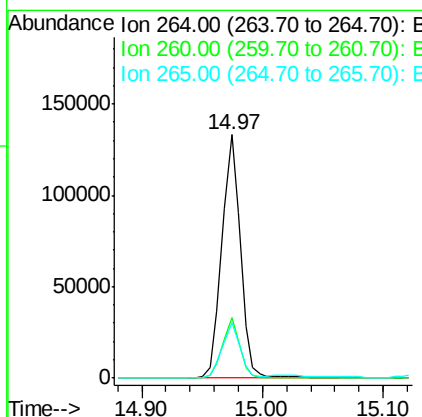
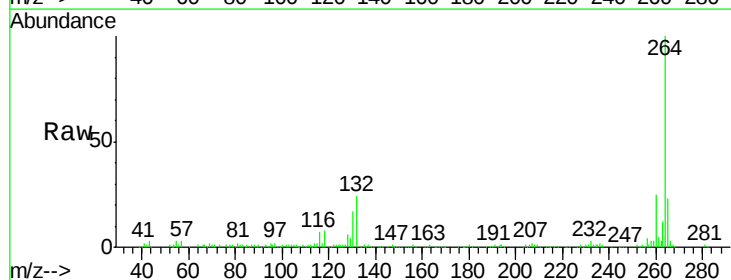
Instrument :
 BNA_F
 ClientSampled :

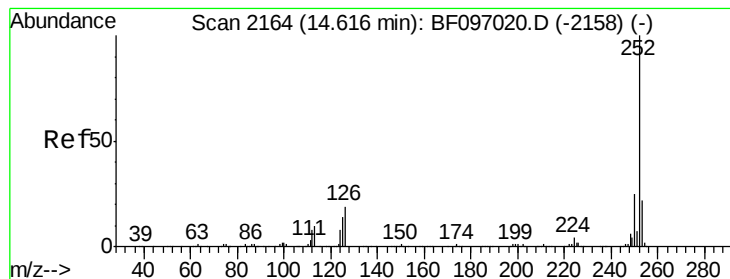
Tot Ion:276 Resp: 33875
 Ion Ratio Lower Upper
 276 100
 138 35.7 27.8 41.6
 277 25.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion:264 Resp: 142657
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 13.85 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

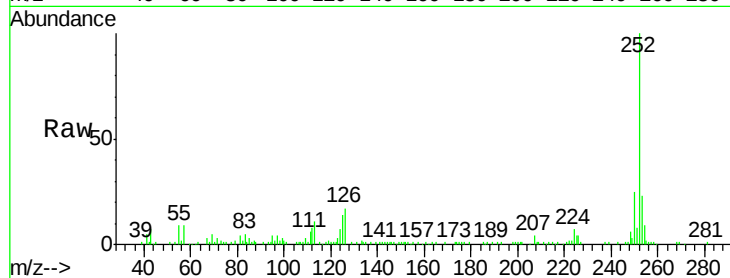
Tot Ion:252 Resp: 118772

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

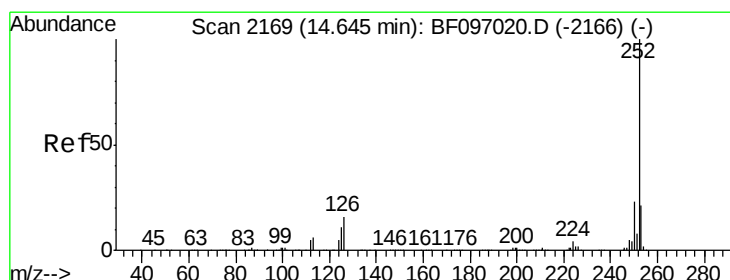
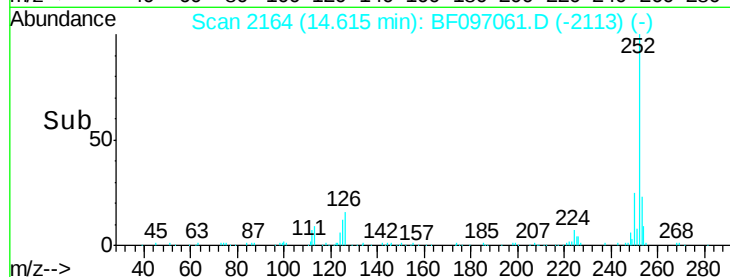
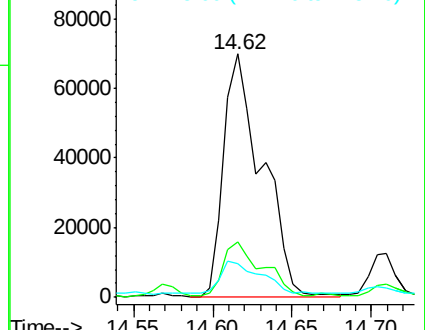
125 13.7 9.8 14.8



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: 14.53 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

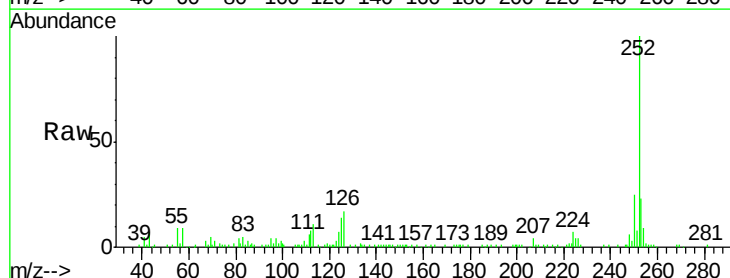
Tgt Ion:252 Resp: 118772

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

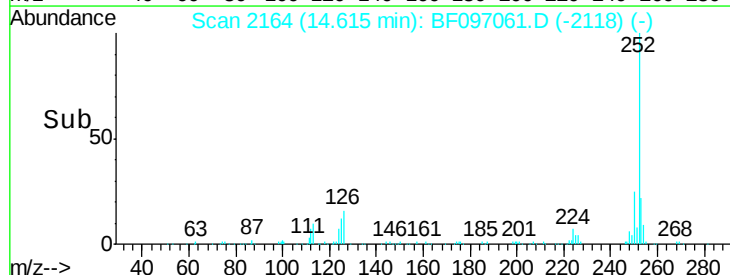
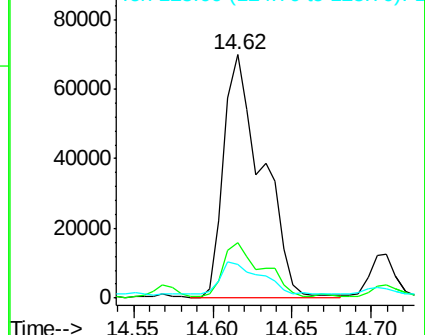
125 13.7 13.1 19.7

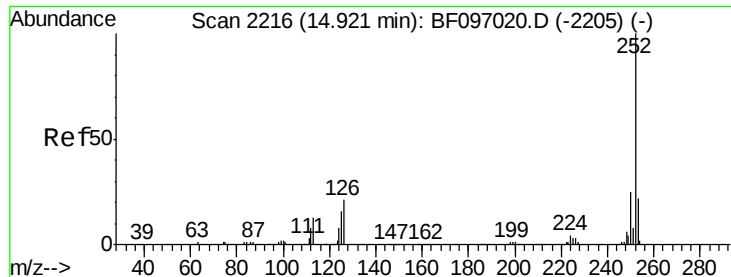


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

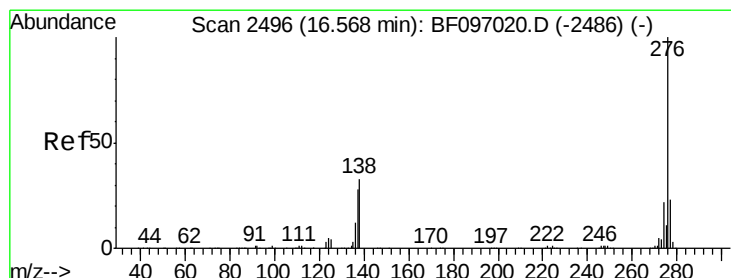
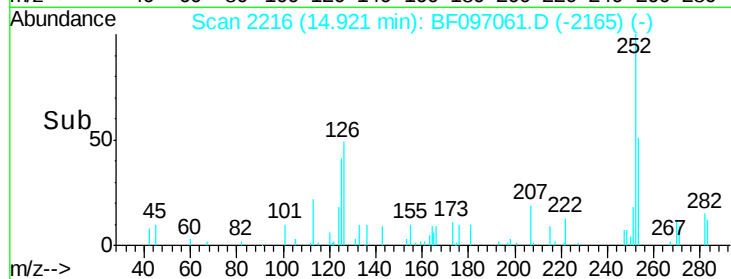
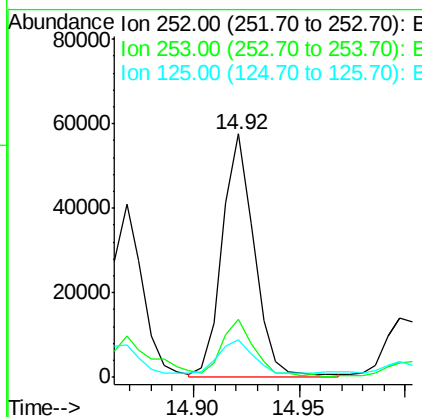
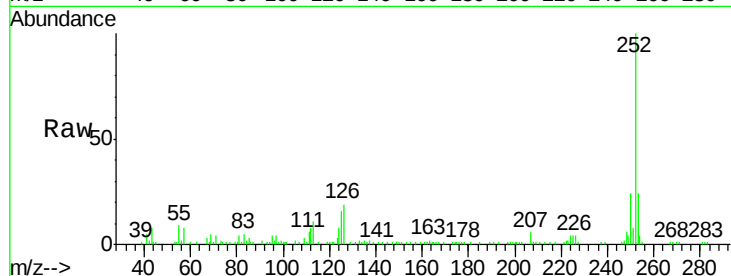




#89
Benzo(a)pyrene
Concen: 7.72 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.5	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 16.56 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	36.4	25.4	38.0

