

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097219.D
 Acq On : 31 Jul 2017 20:28
 Operator : SJ/JU
 Sample : I4467-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(0-10)COMP

Quant Time: Aug 01 00:58:34 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

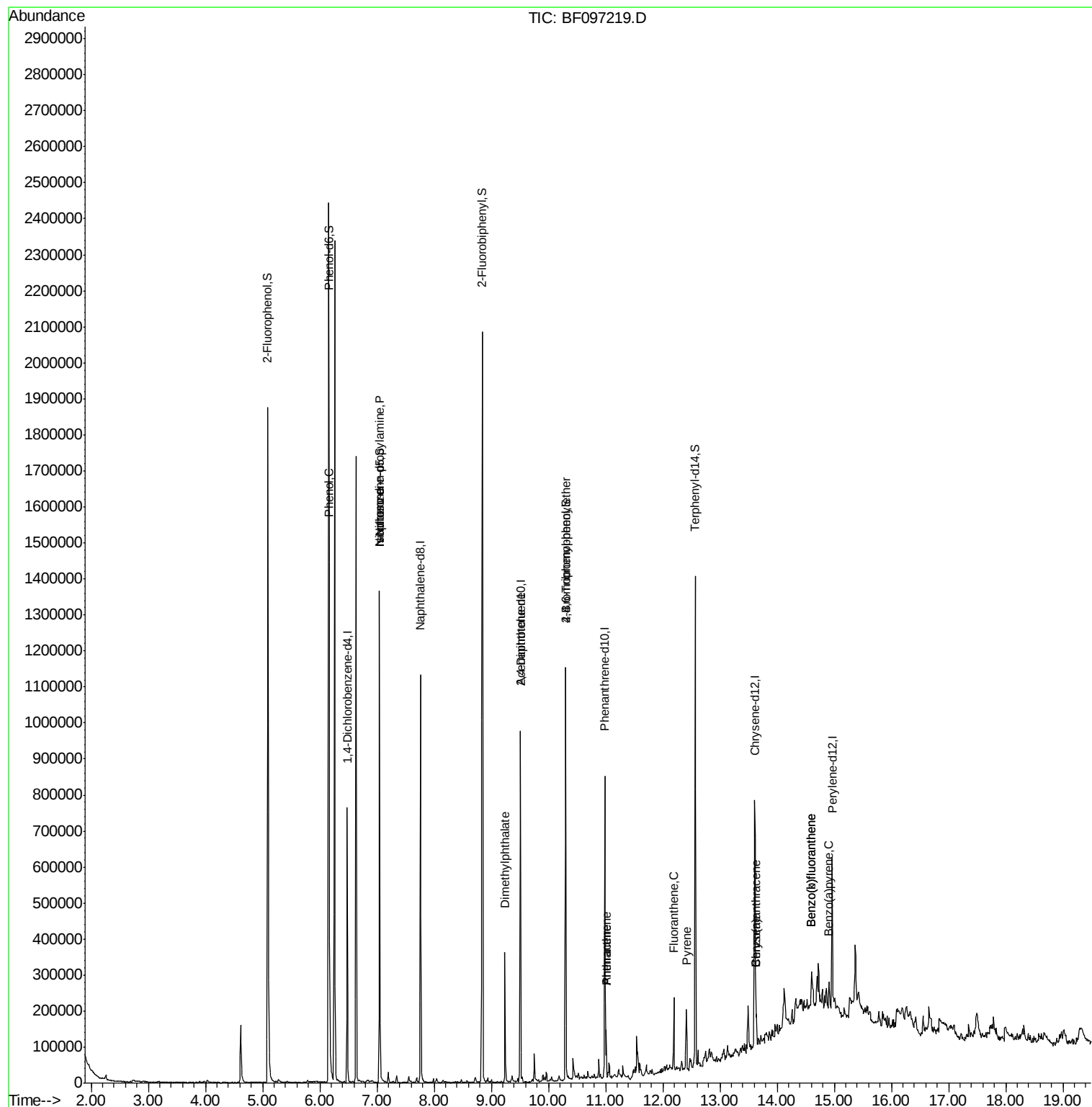
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	115388	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	488149	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	185186	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	278096	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	211531	20.00	ng	-0.02
86) Perylene-d12	14.96	264	168019	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	604543	78.98	ng	-0.01
7) Phenol-d6	6.16	99	826403	94.57	ng	-0.01
23) Nitrobenzene-d5	7.05	82	412048	49.52	ng	-0.03
41) 2,4,6-Tribromophenol	10.30	330	115182	78.72	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	698312	64.00	ng	-0.02
78) Terphenyl-d14	12.57	244	388710	37.47	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.17	94	22921	2.21	ng	87
19) n-Nitroso-di-n-propylamine	7.05	70	53790	9.35	ng	# 83
25) Isophorone	7.05	82	407827	25.03	ng	# 67
49) Dimethylphthalate	9.24	163	133131	9.47	ng	98
56) 2,4-Dinitrotoluene	9.51	165	23541	6.87	ng	# 32
66) 4-Bromophenyl-phenylether	10.30	248	7823	2.82	ng	# 1
70) Phenanthrene	11.01	178	47483	3.19	ng	98
71) Anthracene	11.01	178	47483	3.11	ng	99
74) Fluoranthene	12.19	202	73228	5.02	ng	100
77) Pyrene	12.42	202	61980	3.58	ng	97
80) Benzo(a)anthracene	13.64	228	34907	2.55	ng	96
82) Chrysene	13.64	228	34907	2.61	ng	94
87) Benzo(b)fluoranthene	14.60	252	54263	5.37	ng	# 93
88) Benzo(k)fluoranthene	14.60	252	54263	5.64	ng	97
89) Benzo(a)pyrene	14.91	252	27475	2.97	ng	# 94

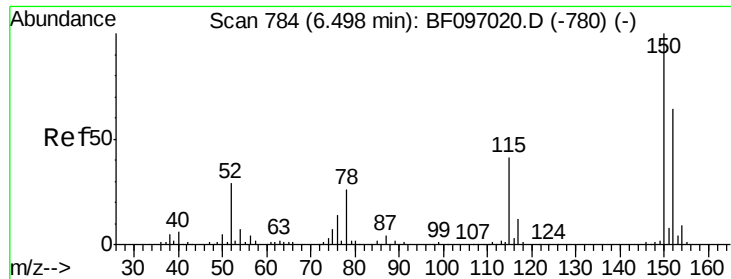
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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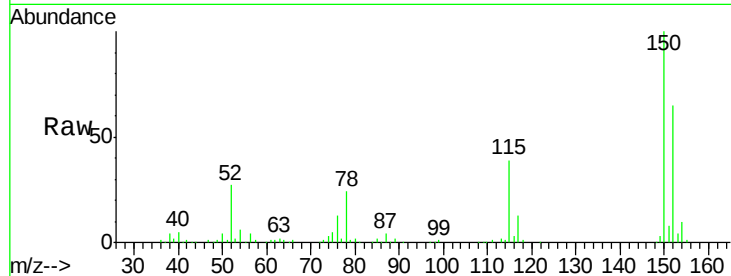


#1

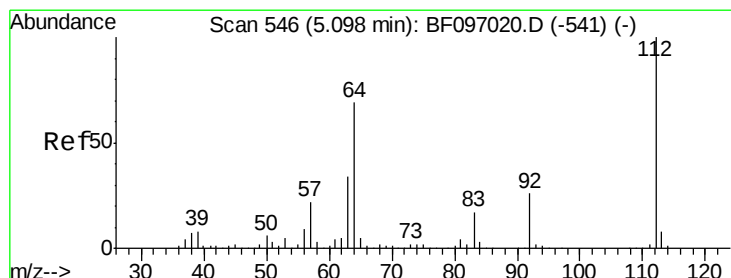
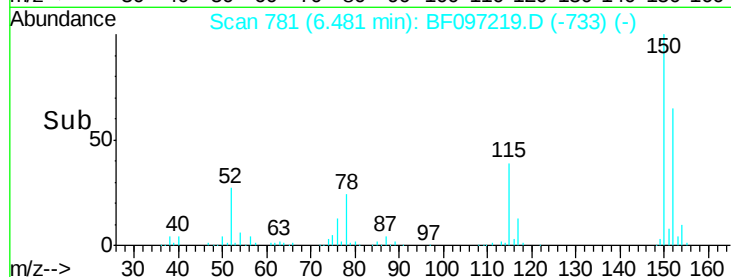
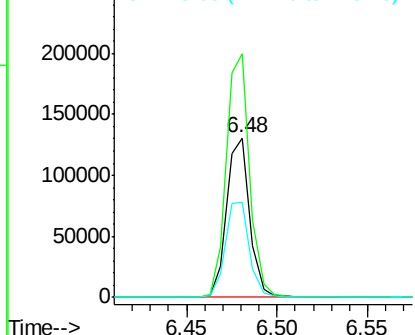
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :
 B-4(0-10)COMP

Tot Ion:152 Resp: 115388
 Ion Ratio Lower Upper
 152 100
 150 152.9 126.2 189.2
 115 59.4 52.2 78.2



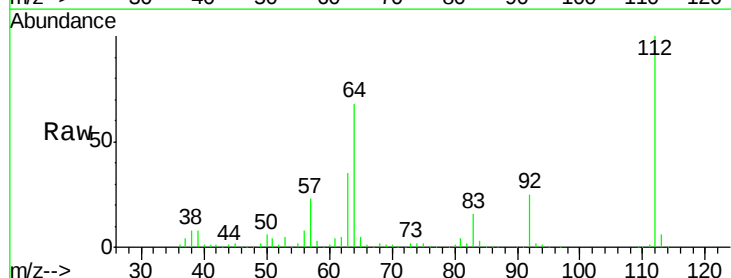
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



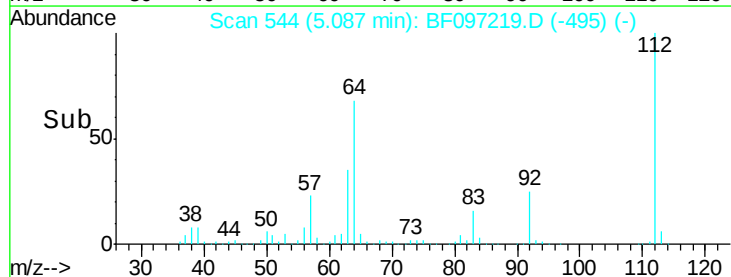
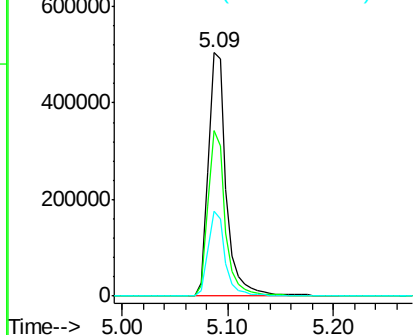
#5

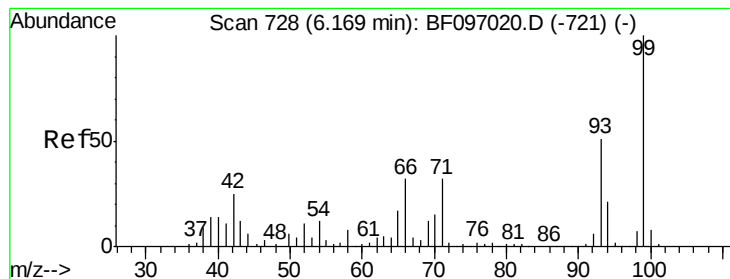
2-Fluorophenol
 Concen: 78.98 ng
 RT: 5.09 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Tgt Ion:112 Resp: 604543
 Ion Ratio Lower Upper
 112 100
 64 67.9 46.0 69.0
 63 34.6 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: 94.57 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

B-4(0-10)COMP

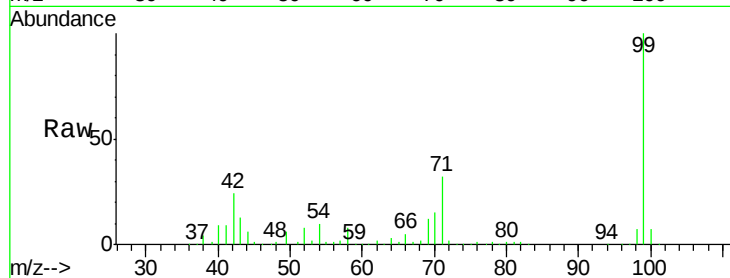
Tot Ion: 99 Resp: 826403

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

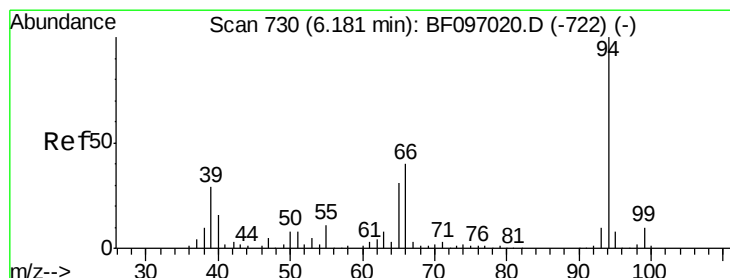
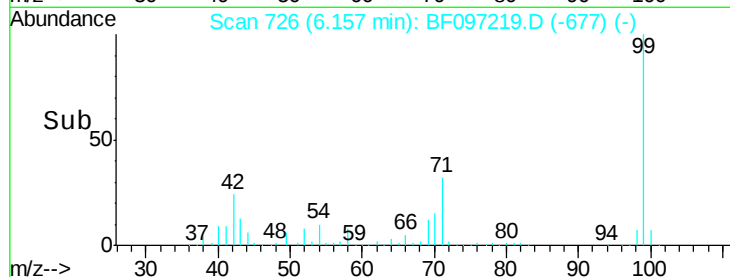
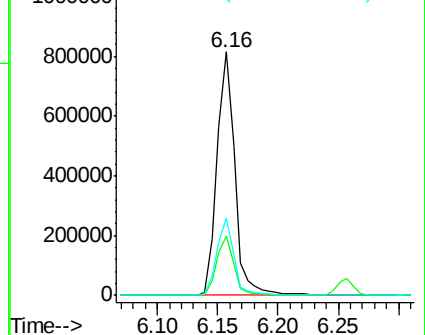
71 31.8 24.5 36.7



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



#10

Phenol

Concen: 2.21 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

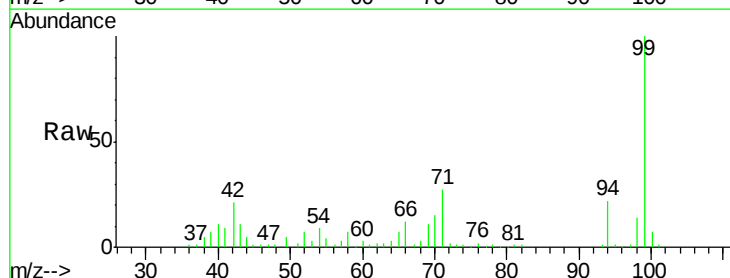
Tgt Ion: 94 Resp: 22921

Ion Ratio Lower Upper

94 100

65 31.0 9.9 49.9

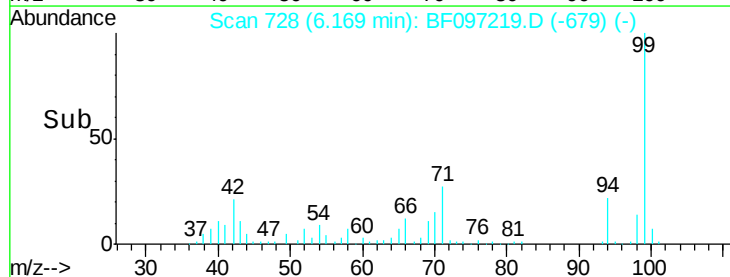
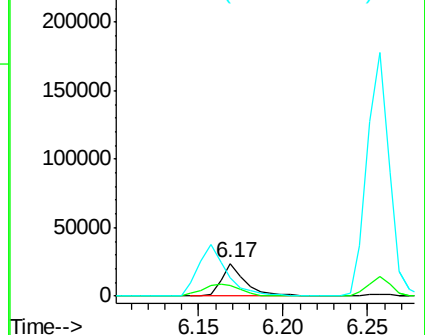
66 55.7 23.1 63.1

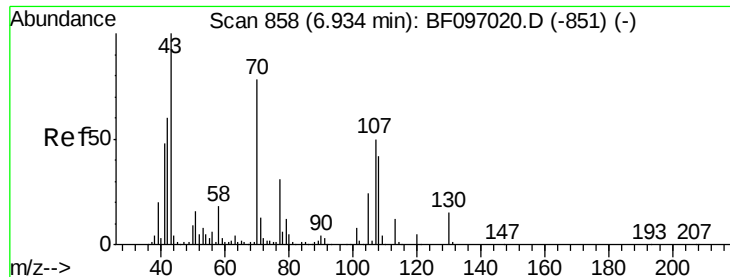


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

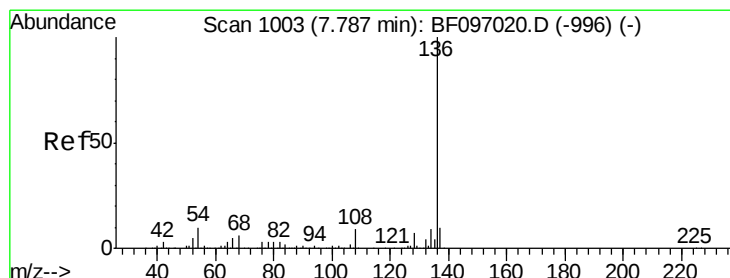
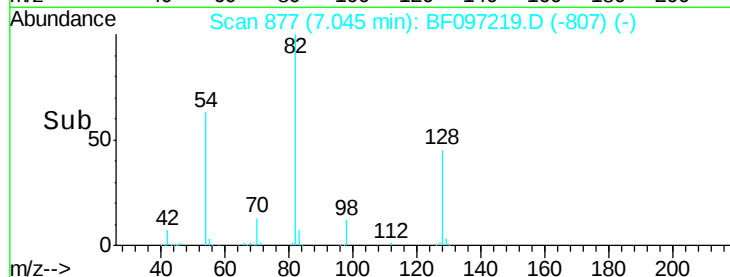
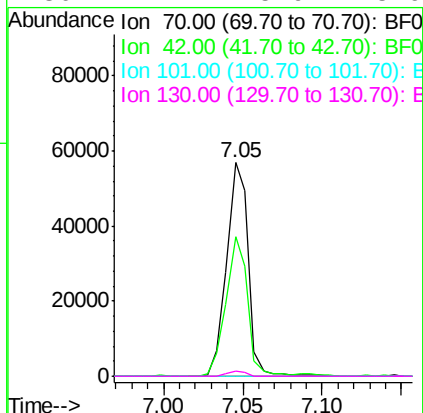
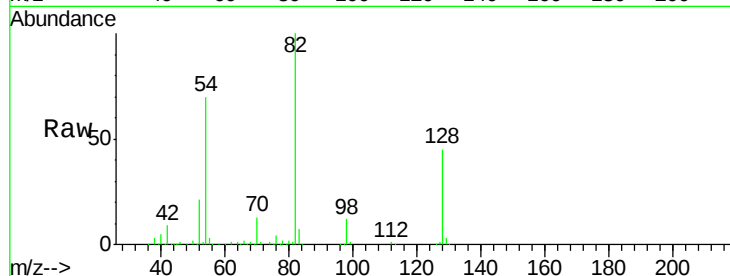




#19
n-Nitroso-di-n-propylamine
Concen: 9.35 ng
RT: 7.05 min Scan# 877
Delta R.T. 0.11 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

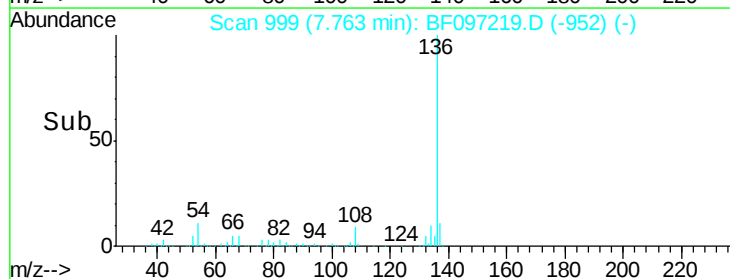
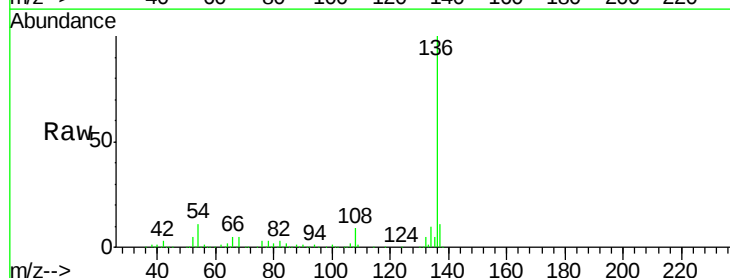
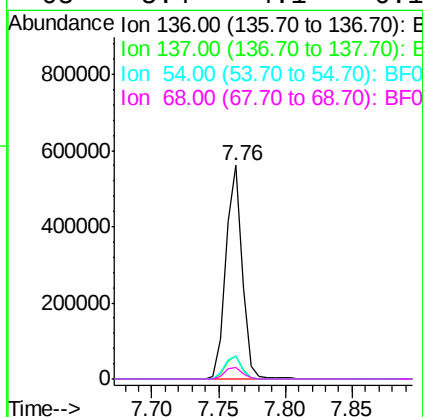
Instrument :
BNA_F
ClientSampleId :
B-4(0-10)COMP

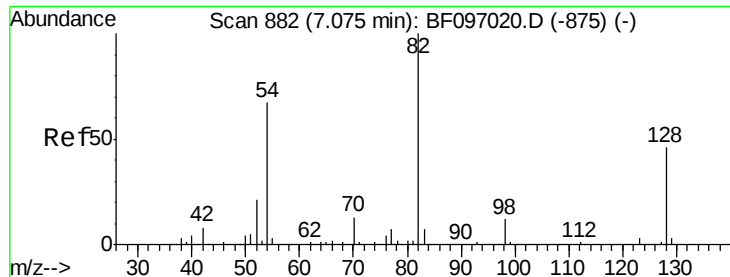
Tot Ion: 70 Resp: 53790
Ion Ratio Lower Upper
70 100
42 65.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Tgt Ion:136 Resp: 488149
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.6 4.9 7.3#
68 5.4 4.1 6.1

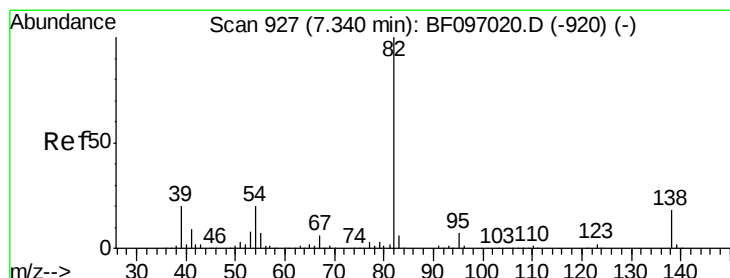
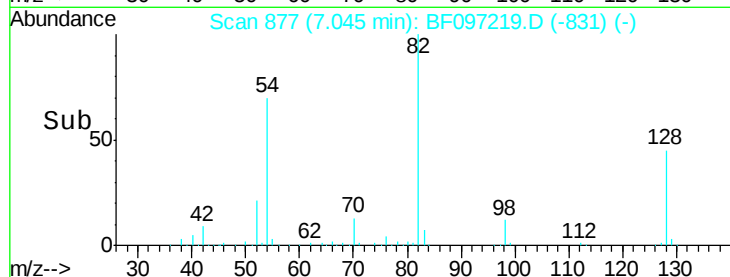
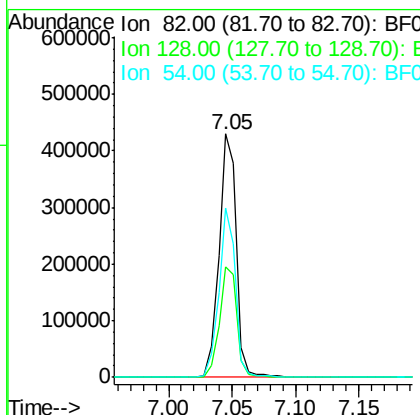
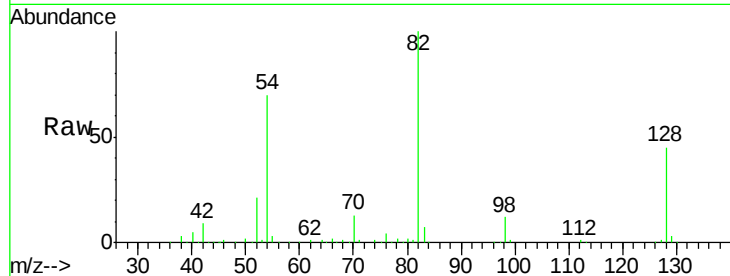




#23
Nitrobenzene-d5
Concen: 49.52 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

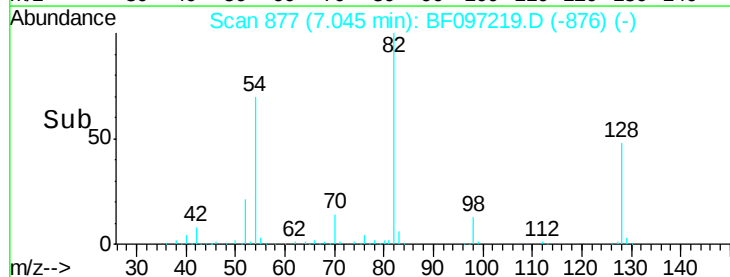
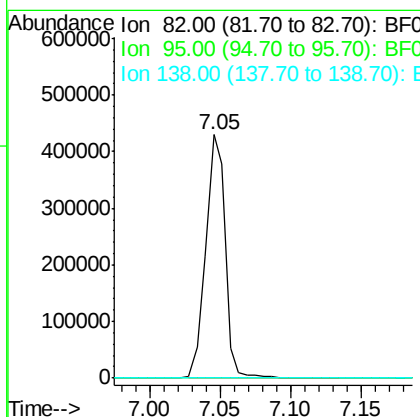
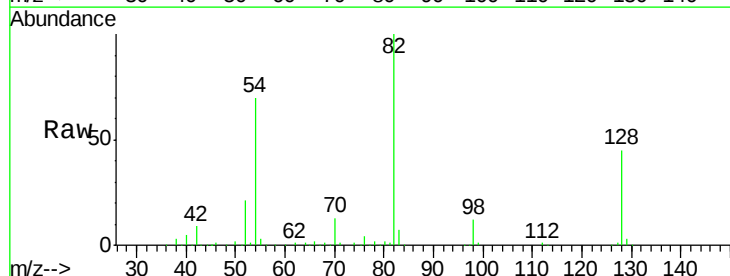
Instrument :
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ClientSampleId :
B-4(0-10)COMP

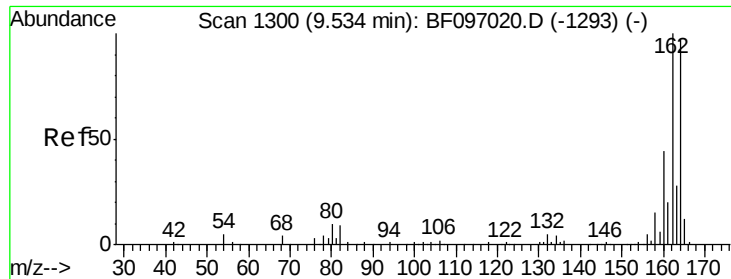
Tot Ion: 82 Resp: 412048
Ion Ratio Lower Upper
82 100
128 45.2 34.0 51.0
54 69.6 42.2 63.2#



#25
Isophorone
Concen: 25.03 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.29 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Tgt Ion: 82 Resp: 407827
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

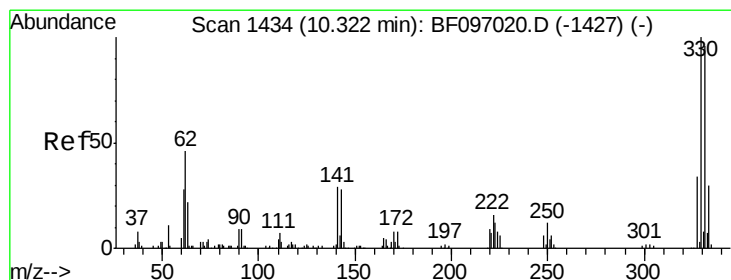
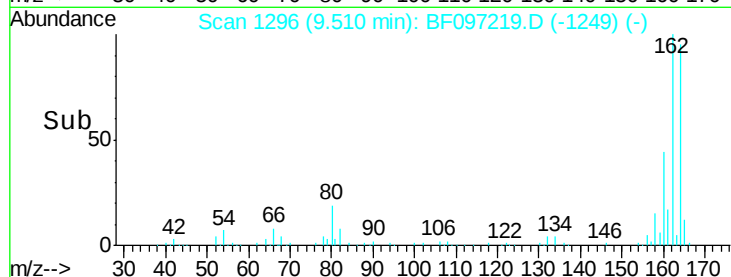
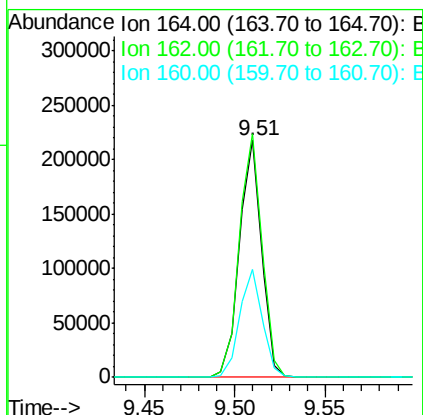
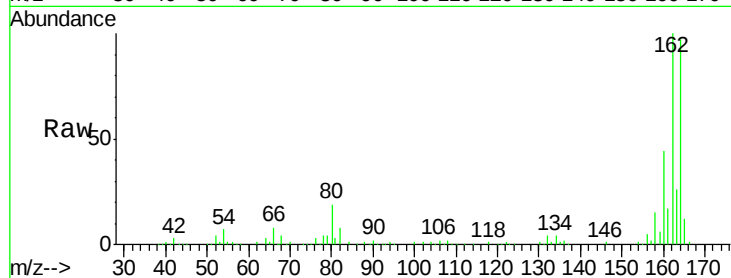




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

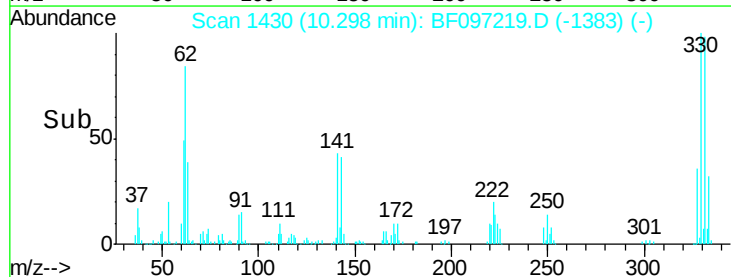
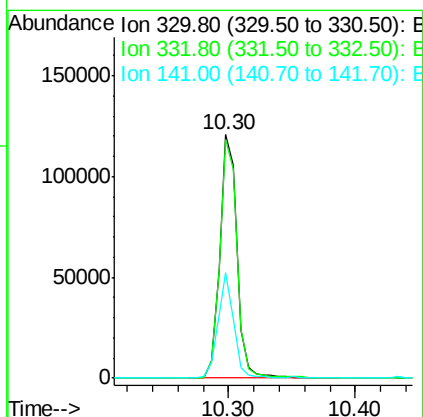
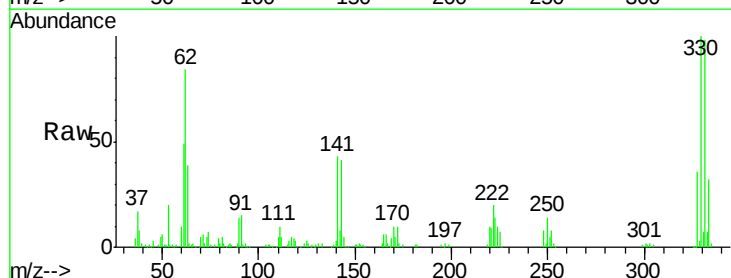
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 BNA_F
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 B-4(0-10)COMP

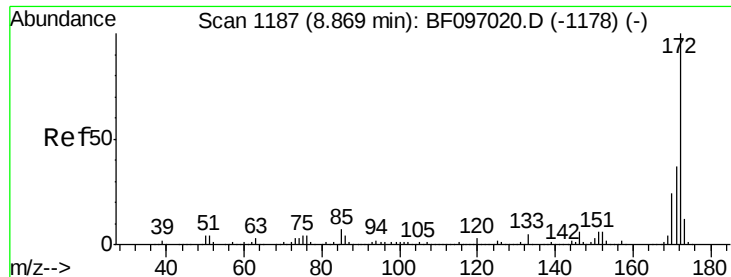
Tot Ion:164 Resp: 185186
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 45.5 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 78.72 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Tgt Ion:330 Resp: 115182
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 115.0
 141 39.7 31.4 47.2

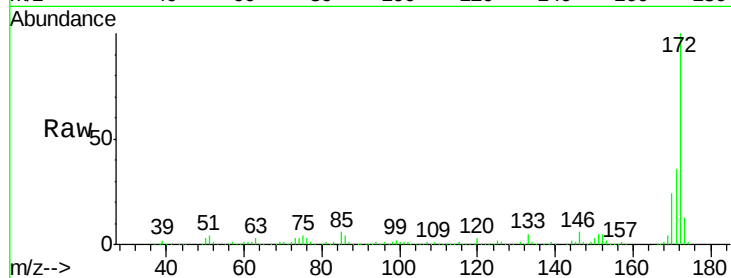




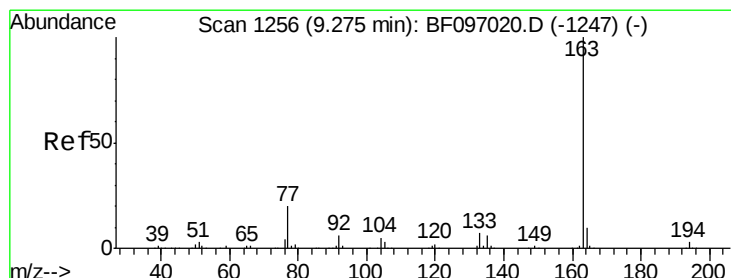
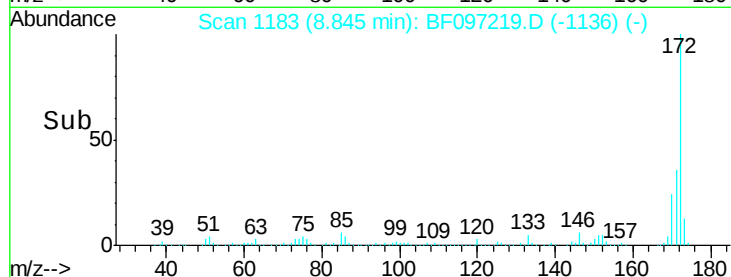
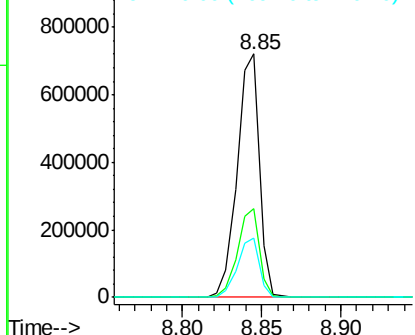
#44
2-Fluorobiphenyl
Concen: 64.00 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Instrument :
BNA_F
ClientSampleId :
B-4(0-10)COMP

Tot Ion:172 Resp: 698312
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.1 19.8 29.8

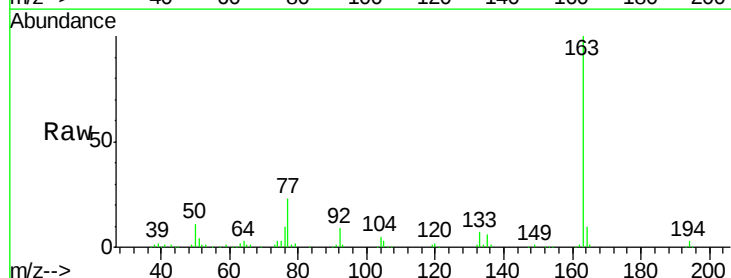


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

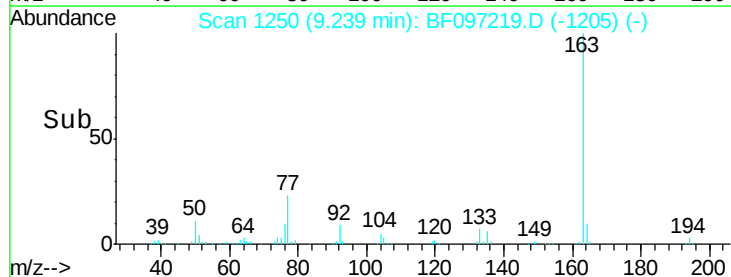
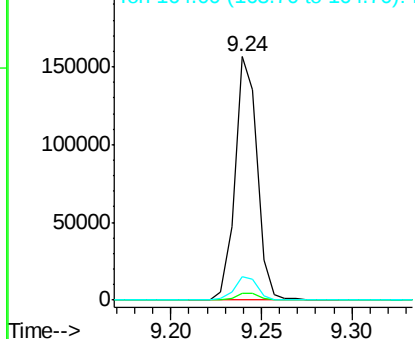


#49
Dimethylphthalate
Concen: 9.47 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Tgt Ion:163 Resp: 133131
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.87 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

B-4(0-10)COMP

Tot Ion:165 Resp: 23541

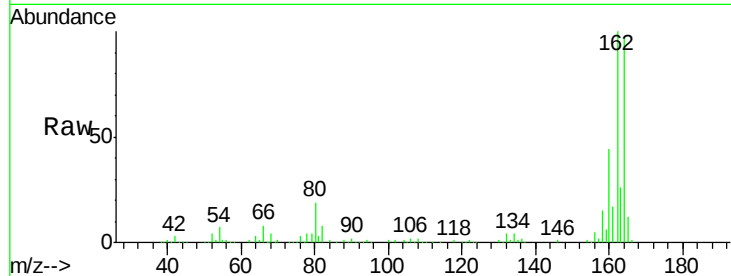
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

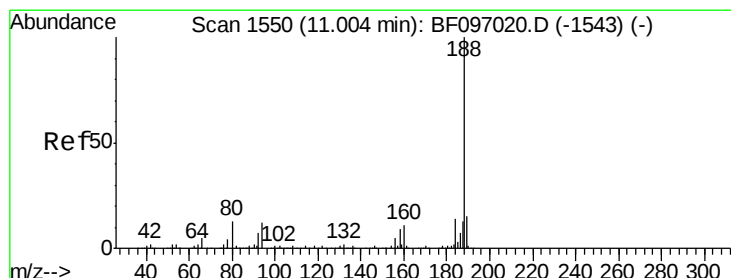
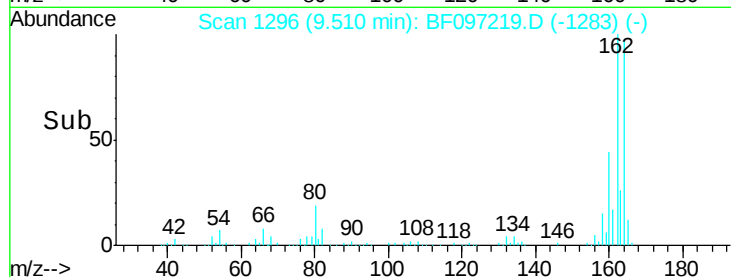
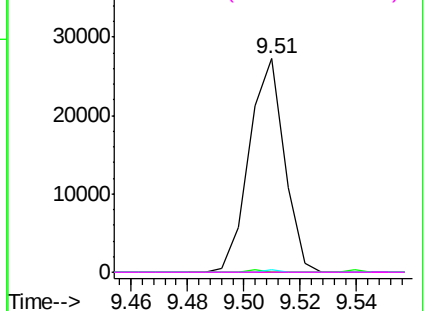


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

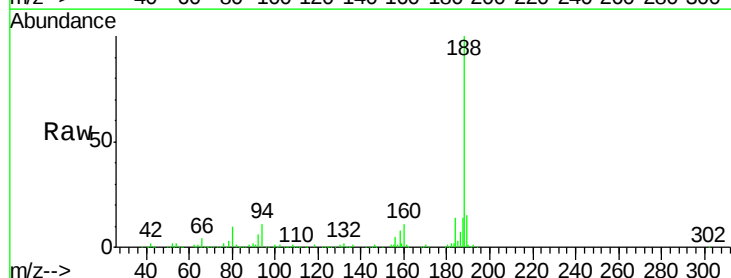
Tgt Ion:188 Resp: 278096

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

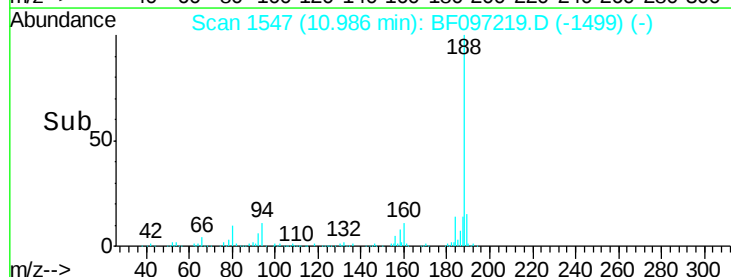
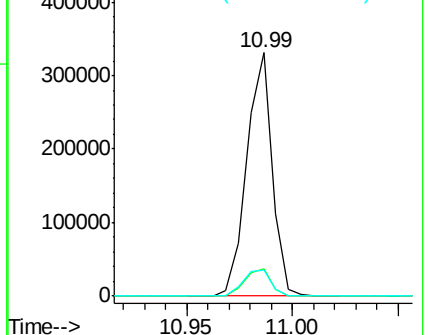
80 10.4 10.2 15.2



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

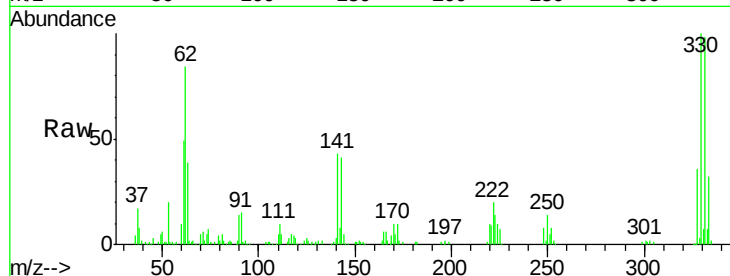




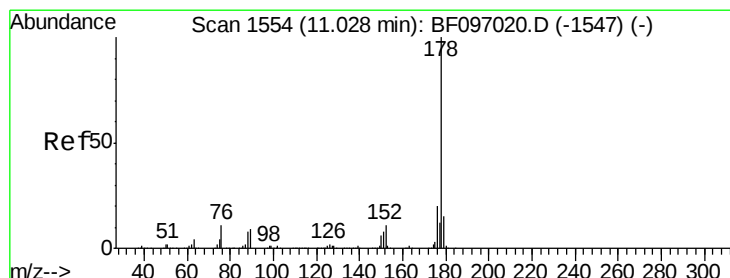
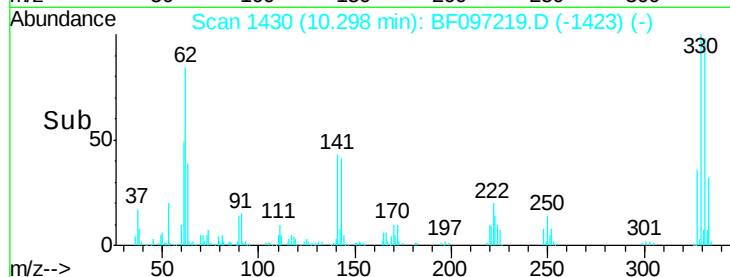
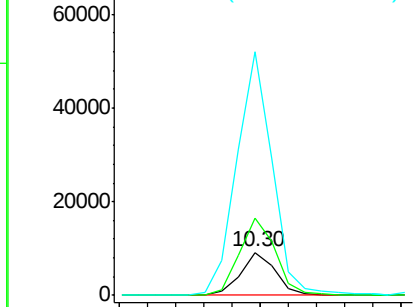
#66
 4-Bromophenyl-phenylether
 Concen: 2.82 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :
 B-4(0-10)COMP

Tot Ion:248 Resp: 7823
 Ion Ratio Lower Upper
 248 100
 250 179.6 76.8 115.2#
 141 567.2 68.6 103.0#

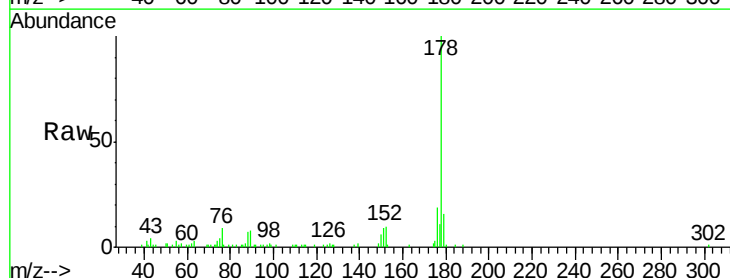


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

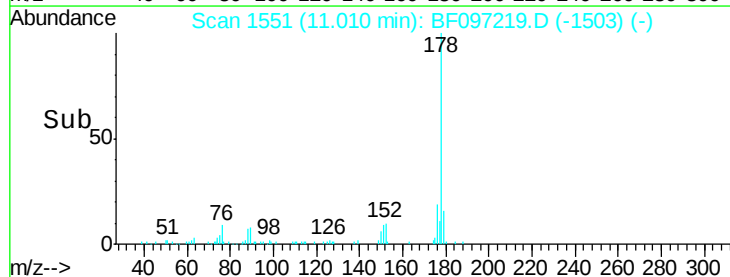
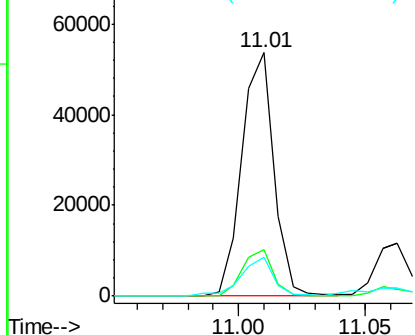


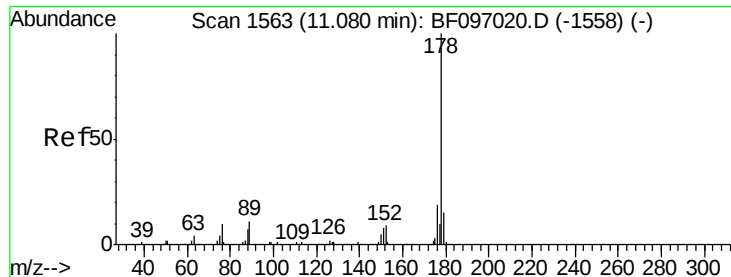
#70
 Phenanthrene
 Concen: 3.19 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Tgt Ion:178 Resp: 47483
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.9 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

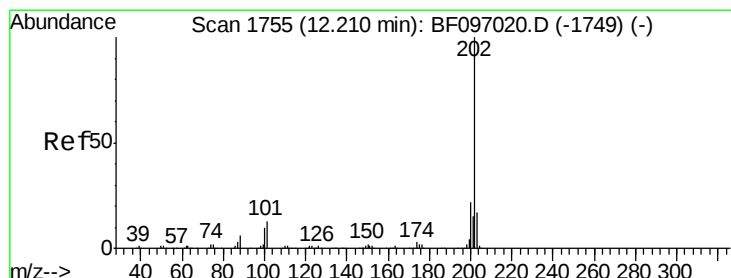
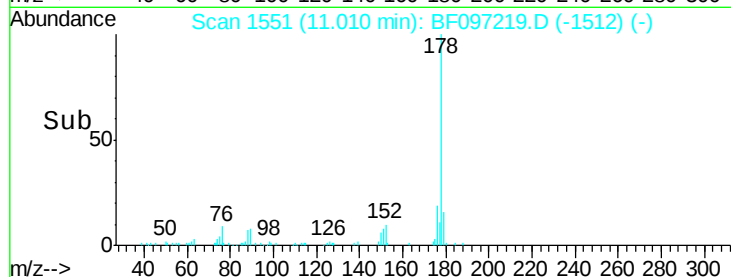
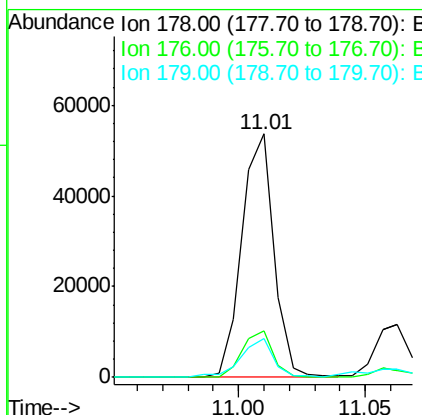
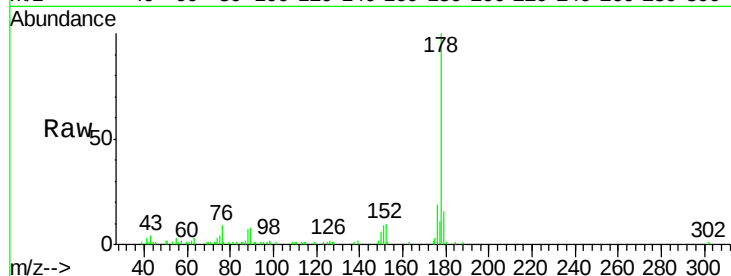




#71
 Anthracene
 Concen: 3.11 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.07 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

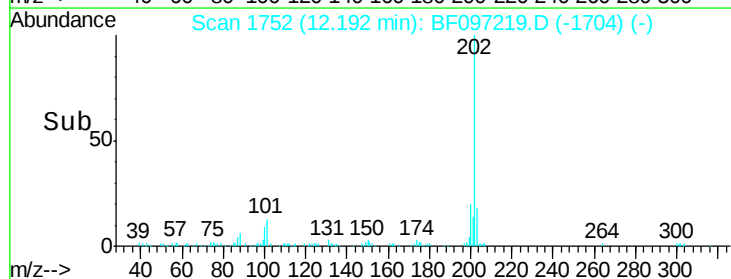
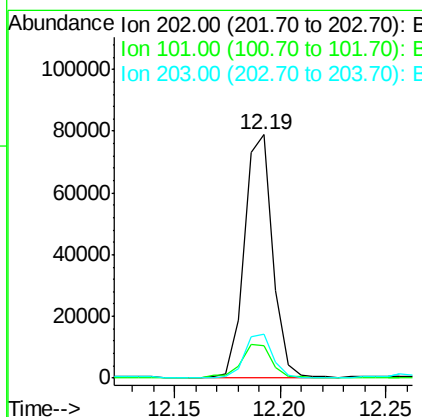
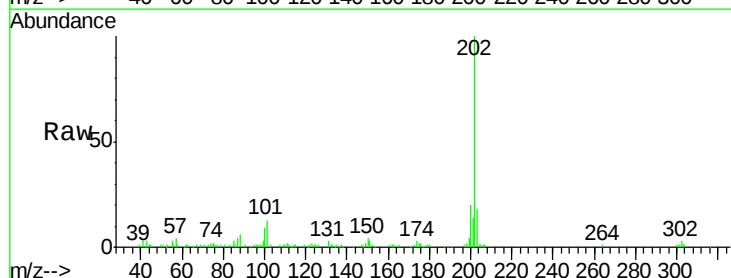
Instrument :
 BNA_F
 ClientSampleId :
 B-4(0-10)COMP

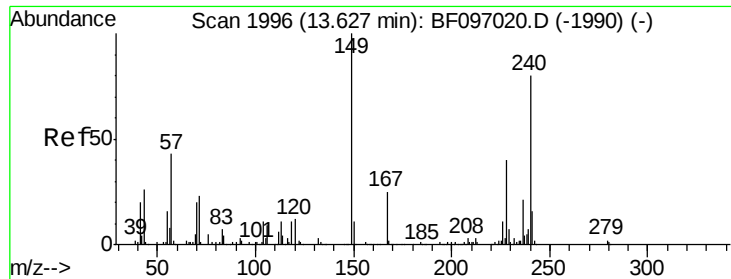
Tot Ion:178 Resp: 47483
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 5.02 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Tgt Ion:202 Resp: 73228
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

B-4(0-10)COMP

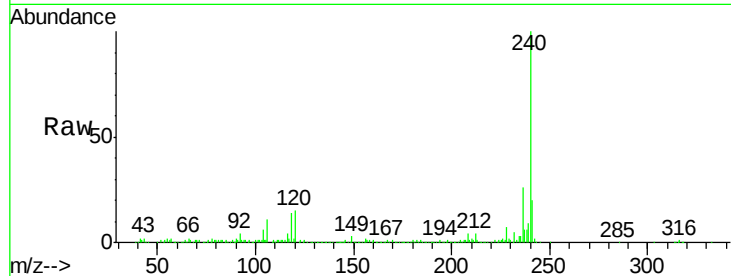
Tot Ion:240 Resp: 211531

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

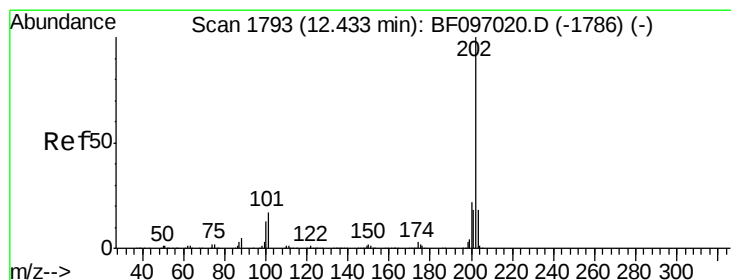
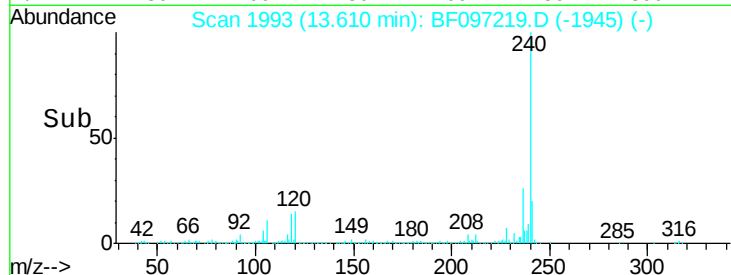
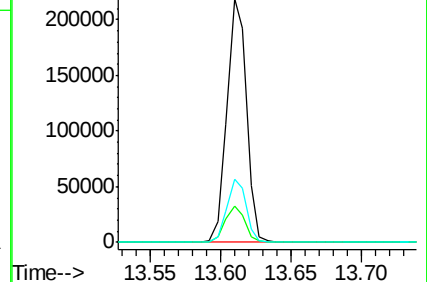
236 26.1 20.5 30.7



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

Pyrene

Concen: 3.58 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

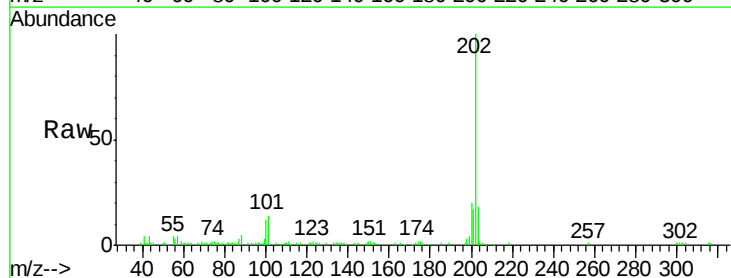
Tgt Ion:202 Resp: 61980

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

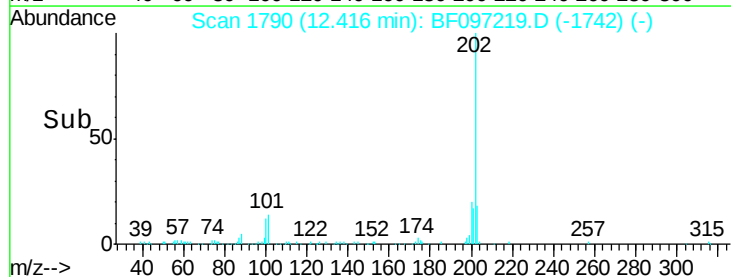
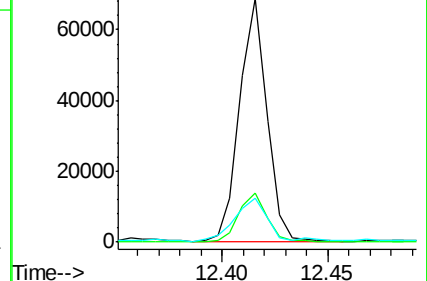
203 18.2 14.4 21.6

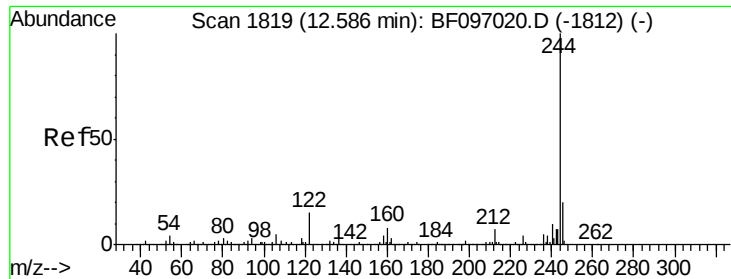


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

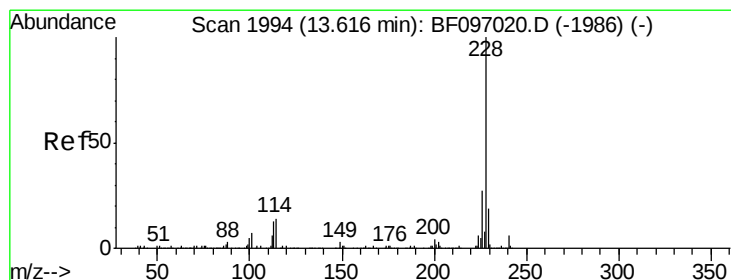
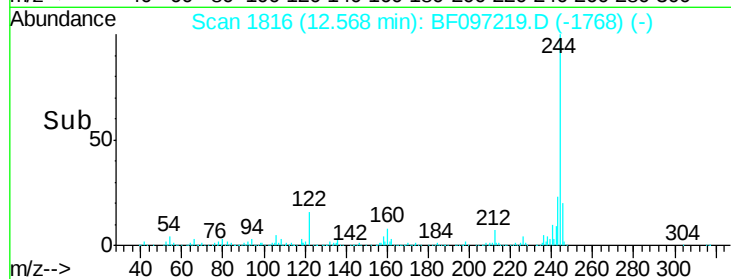
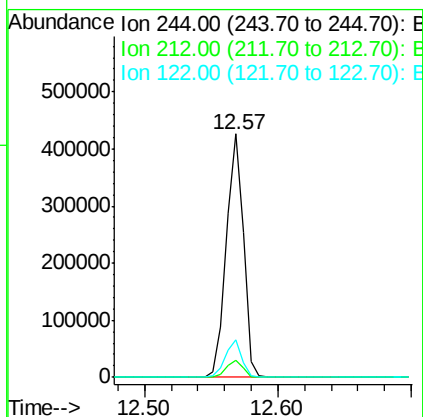
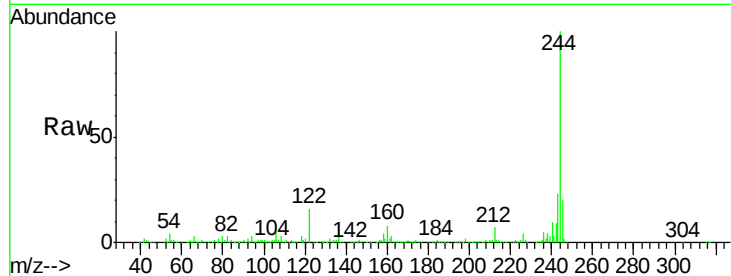




#78
 Terphenyl-d14
 Concen: 37.47 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

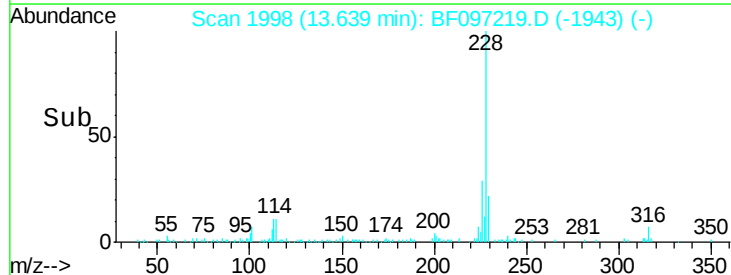
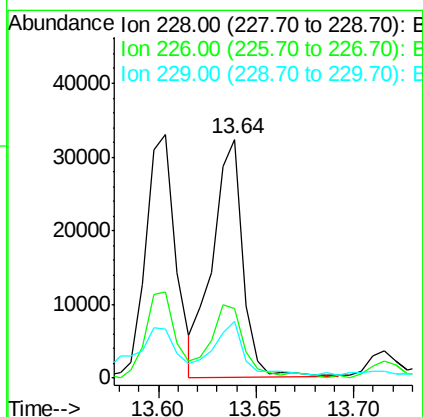
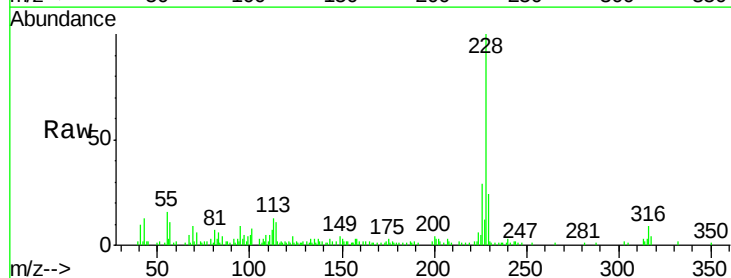
Instrument :
 BNA_F
 ClientSampleId :
 B-4(0-10)COMP

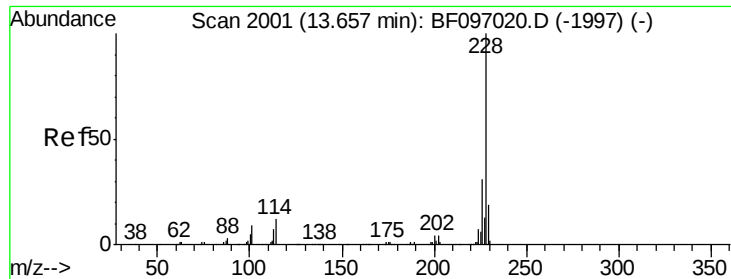
Tot Ion:244 Resp: 388710
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.6 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 2.55 ng
 RT: 13.64 min Scan# 1998
 Delta R.T. 0.02 min
 Lab File: BF097219.D
 Acq: 31 Jul 2017 20:28

Tgt Ion:228 Resp: 34907
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 23.6 16.3 24.5





#82

Chrysene

Concen: 2.61 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

B-4(0-10)COMP

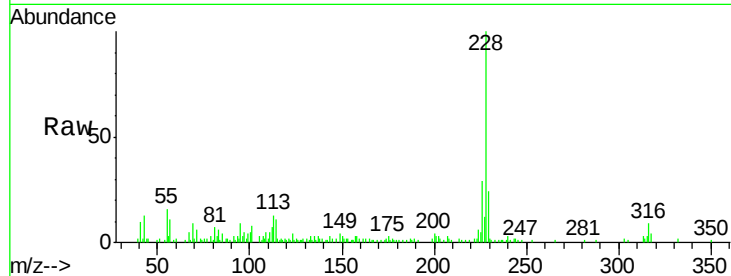
Tot Ion:228 Resp: 34907

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

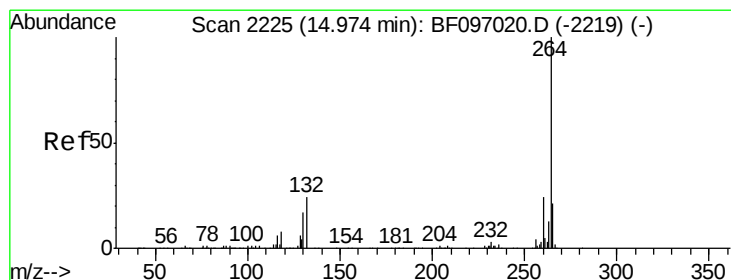
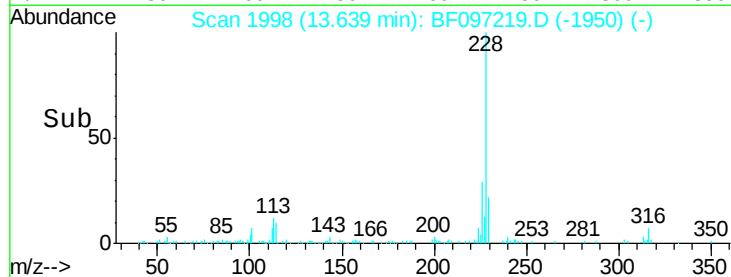
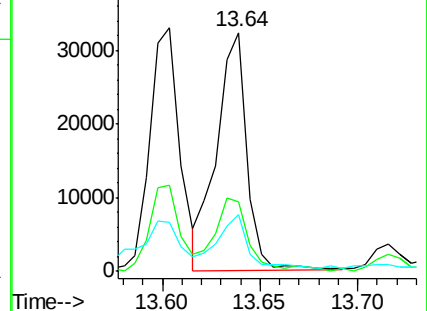
229 23.6 15.8 23.6



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: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

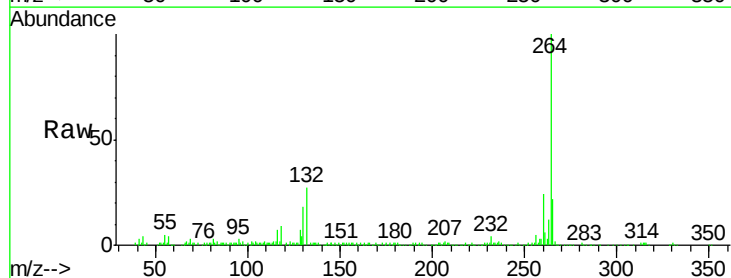
Tgt Ion:264 Resp: 168019

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

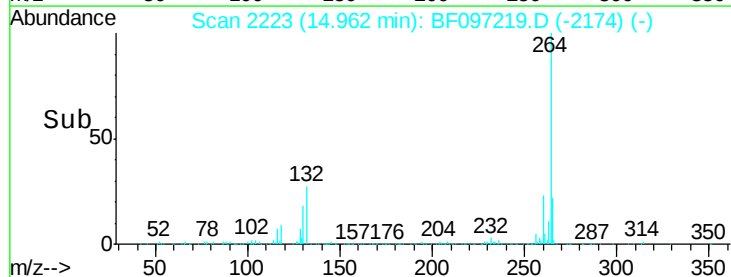
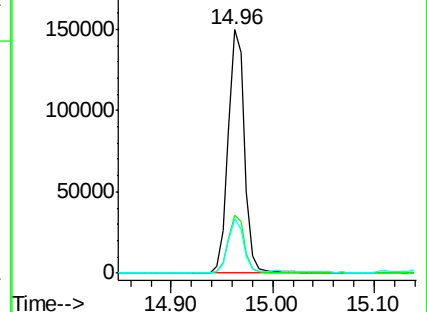
265 22.1 17.2 25.8

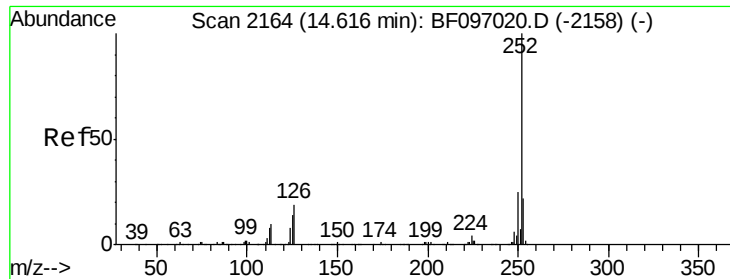


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

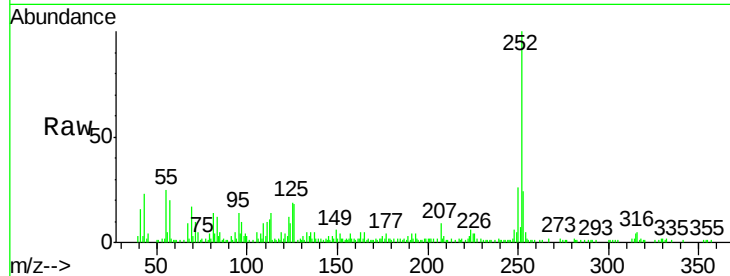




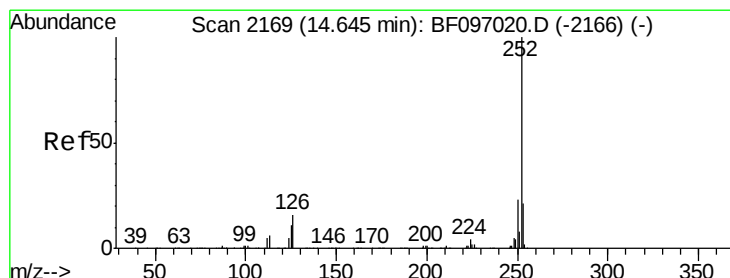
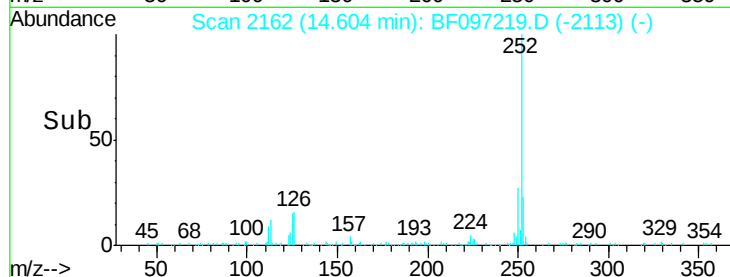
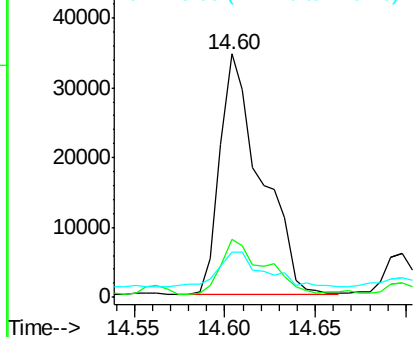
#87
Benzo(b)fluoranthene
Concen: 5.37 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Instrument :
BNA_F
ClientSampleId :
B-4(0-10)COMP

Tot Ion:252 Resp: 54263
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 18.6 9.8 14.8#

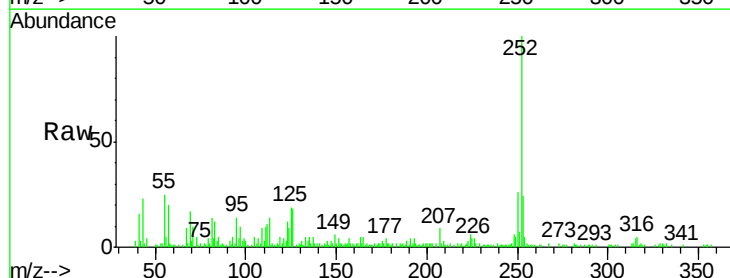


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

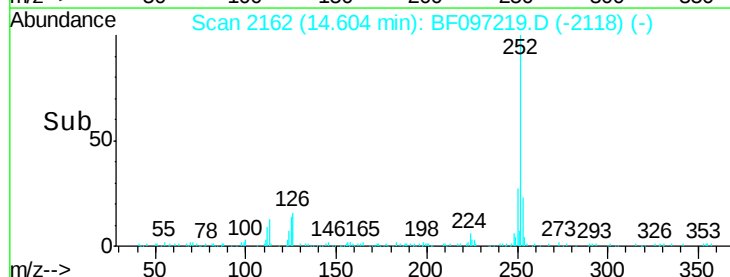
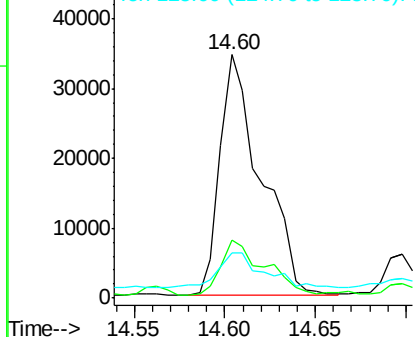


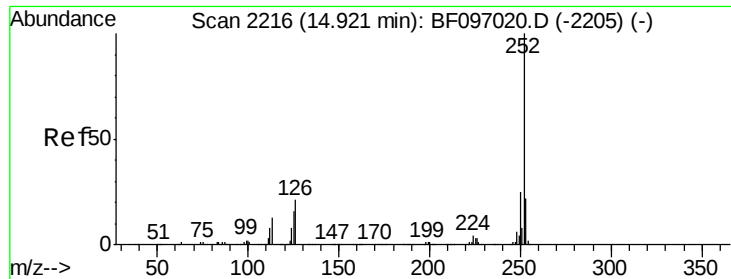
#88
Benzo(k)fluoranthene
Concen: 5.64 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097219.D
Acq: 31 Jul 2017 20:28

Tgt Ion:252 Resp: 54263
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 18.6 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: 2.97 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097219.D

Acq: 31 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

B-4(0-10)COMP

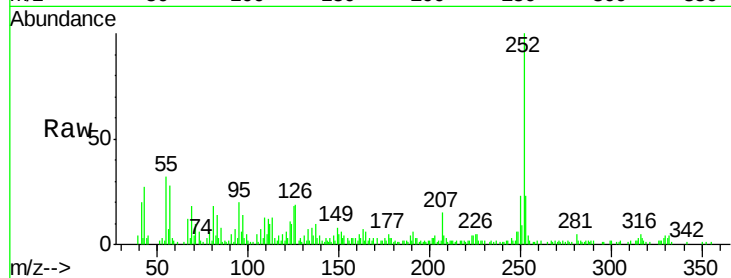
Tot Ion:252 Resp: 27475

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 18.2 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

