

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097156.D
 Acq On : 28 Jul 2017 16:01
 Operator : SJ/JU
 Sample : I4420-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2A-1-2-3-4-5-COMP-(0-10)

Quant Time: Jul 28 17:31:51 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

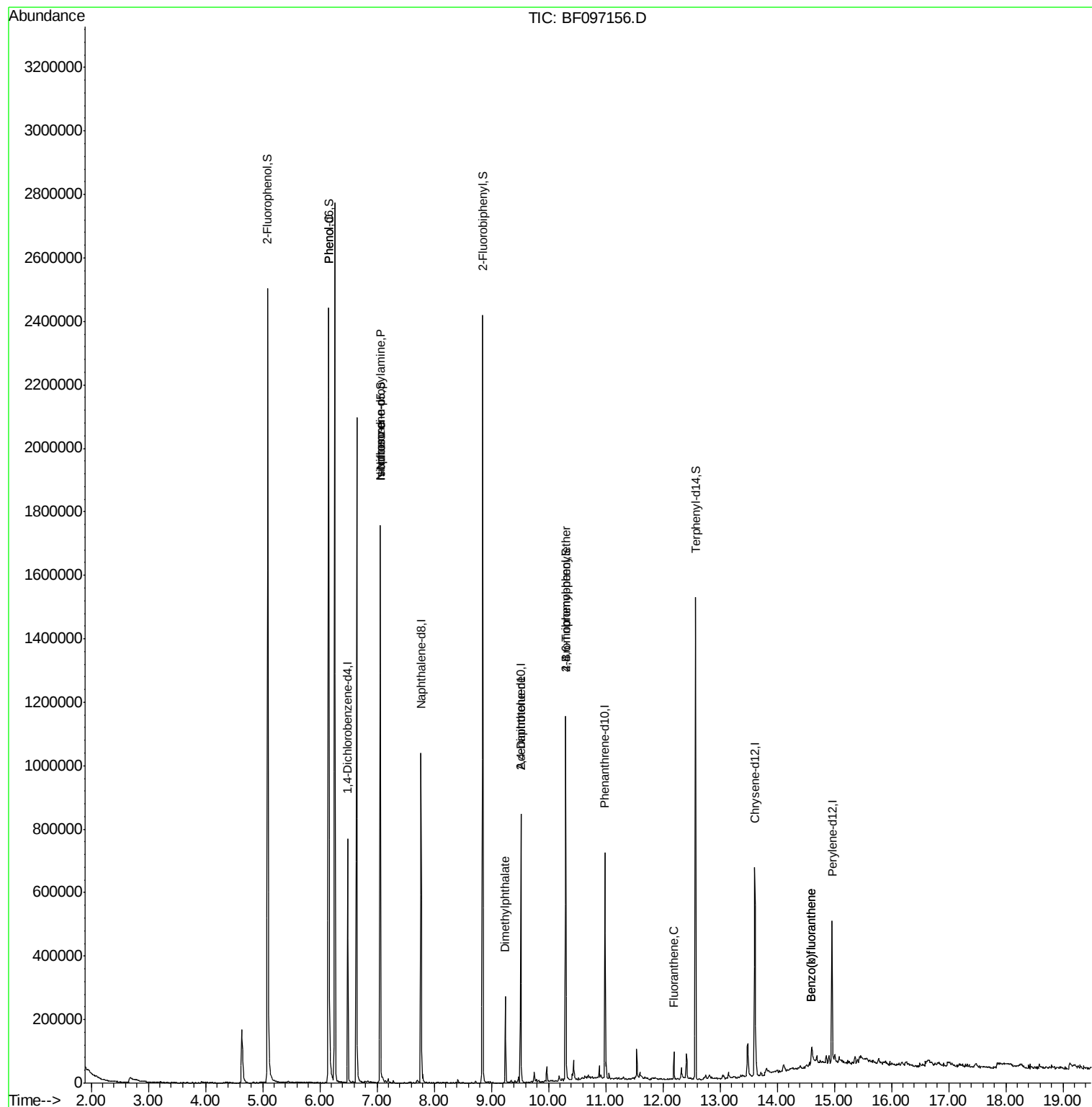
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	106993	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	438786	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	163834	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	228867	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	213535	20.00	ng	-0.02
86) Perylene-d12	14.96	264	175464	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	782261	110.22	ng	-0.01
7) Phenol-d6	6.16	99	931170	114.92	ng	-0.01
23) Nitrobenzene-d5	7.06	82	522493	69.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	127623	98.59	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	774176	80.19	ng	-0.02
78) Terphenyl-d14	12.57	244	470027	44.88	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	32904	3.424	ng	# 72
19) n-Nitroso-di-n-propylamine	7.06	70	69730	13.074	ng	# 89
25) Isophorone	7.06	82	518002	35.363	ng	# 67
49) Dimethylphthalate	9.25	163	99156	7.970	ng	100
56) 2,4-Dinitrotoluene	9.52	165	21358	7.041	ng	# 34
66) 4-Bromophenyl-phenylether	10.30	248	8404	3.679	ng	# 1
74) Fluoranthene	12.19	202	32516	2.707	ng	96
87) Benzo(b)fluoranthene	14.60	252	23459	2.224	ng	# 89
88) Benzo(k)fluoranthene	14.60	252	23459	2.334	ng	# 93

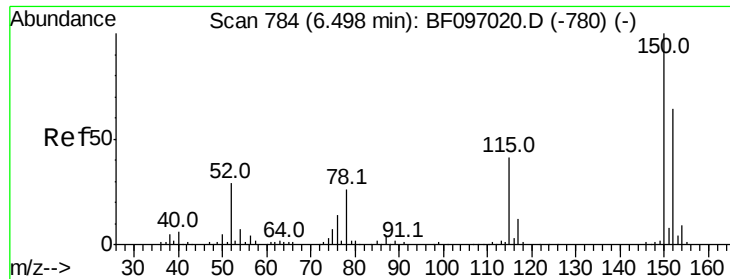
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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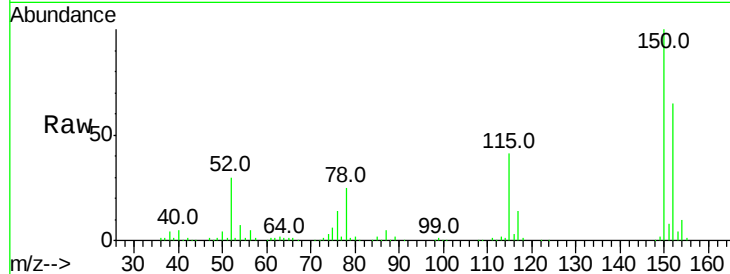


#1

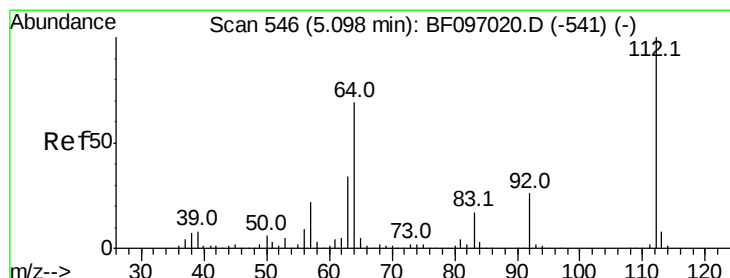
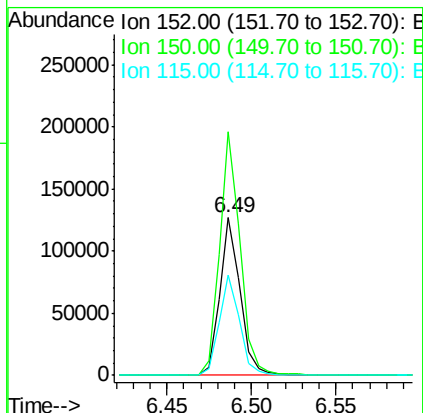
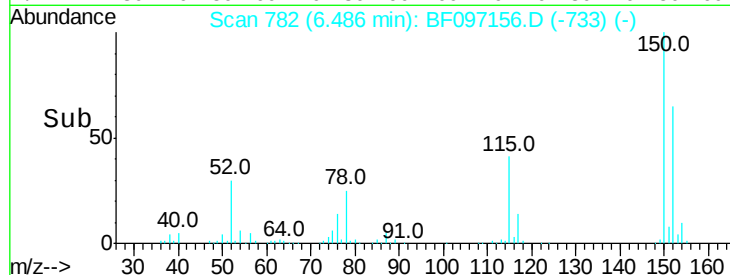
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Instrument :
BNA_F
ClientSampleId :
2A-1-2-3-4-5-COMP-(0-10)

Tot Ion:152 Resp: 106993
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 63.9 52.2 78.2



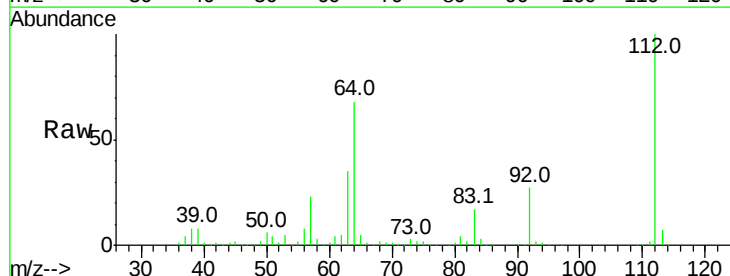
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



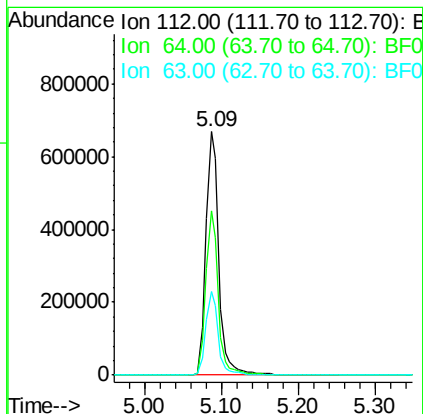
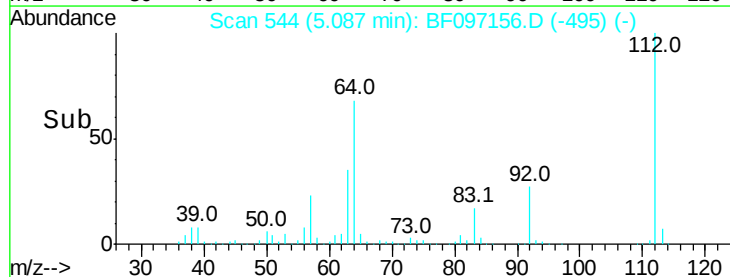
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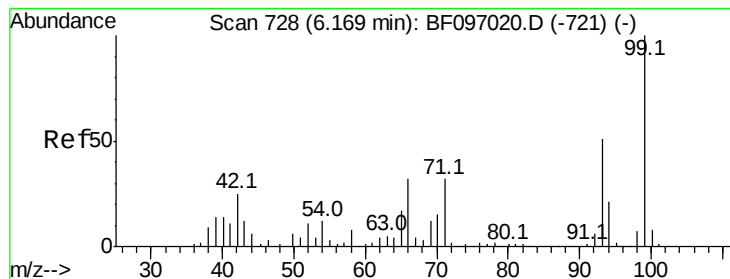
2-Fluorophenol
Concen: 110.217 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Tgt Ion:112 Resp: 782261
Ion Ratio Lower Upper
112 100
64 67.6 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: 114.923 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097156.D

Acq: 28 Jul 2017 16:01

Instrument :

BNA_F

ClientSampleId :

2A-1-2-3-4-5-COMP-(0-10)

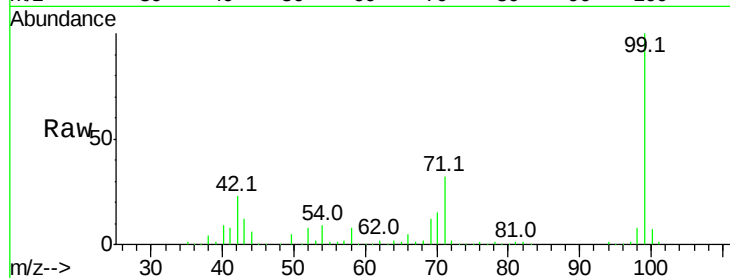
Tot Ion: 99 Resp: 931170

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

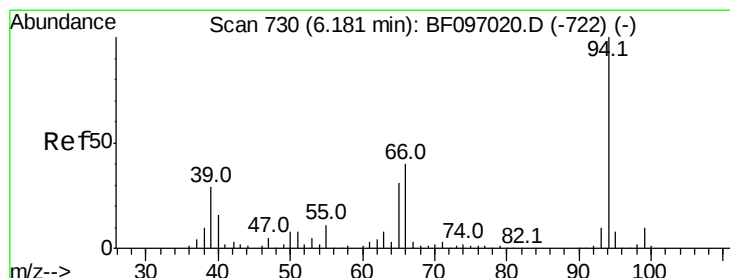
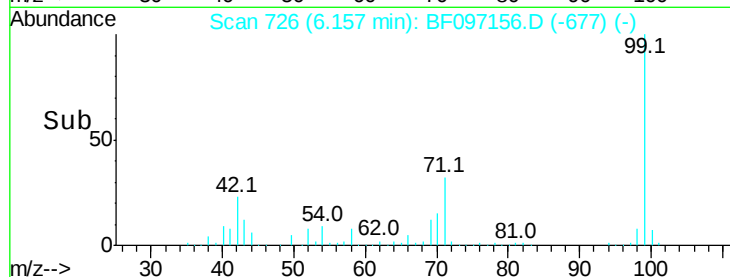
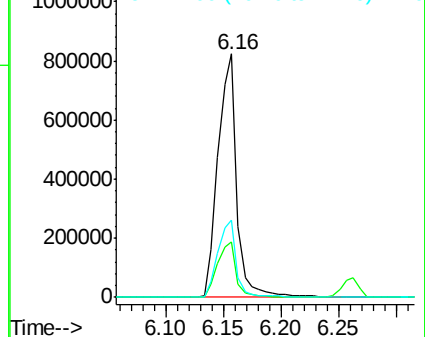
71 31.8 24.5 36.7



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: 3.424 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097156.D

Acq: 28 Jul 2017 16:01

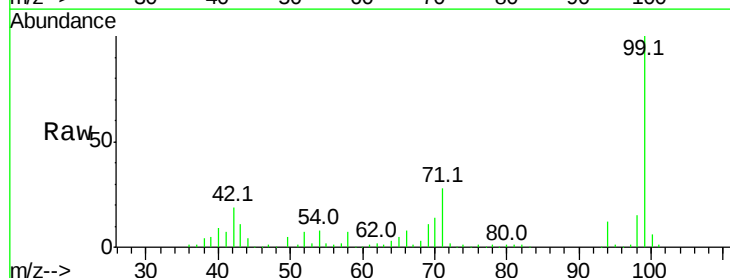
Tgt Ion: 94 Resp: 32904

Ion Ratio Lower Upper

94 100

65 36.9 9.9 49.9

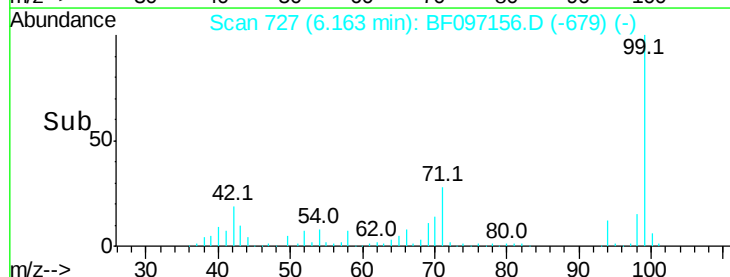
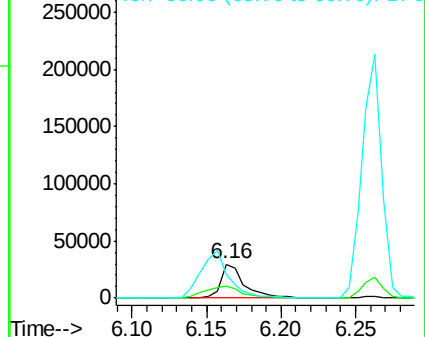
66 67.8 23.1 63.1#

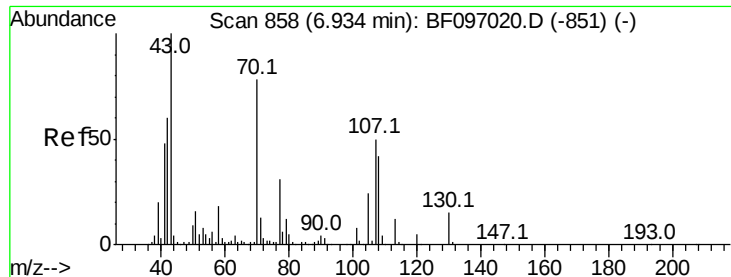


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

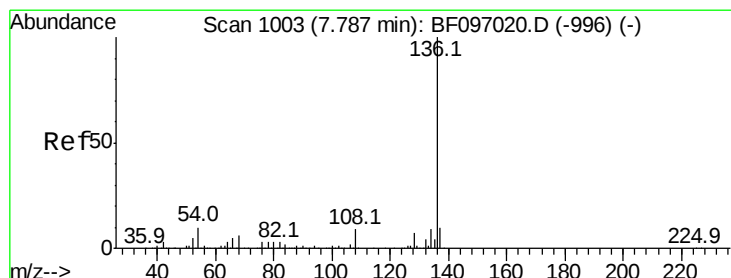
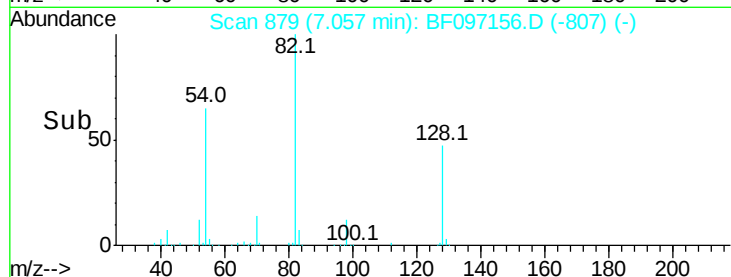
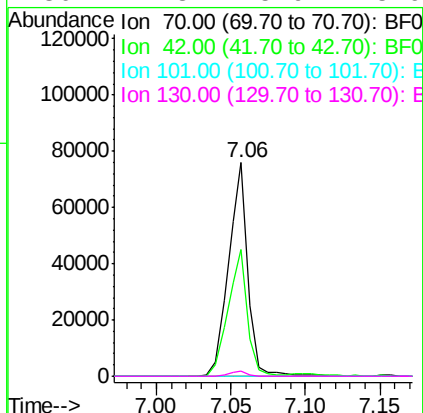
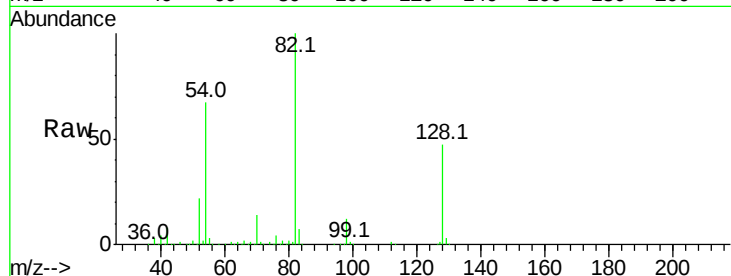




#19
n-Nitroso-di-n-propylamine
Concen: 13.074 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

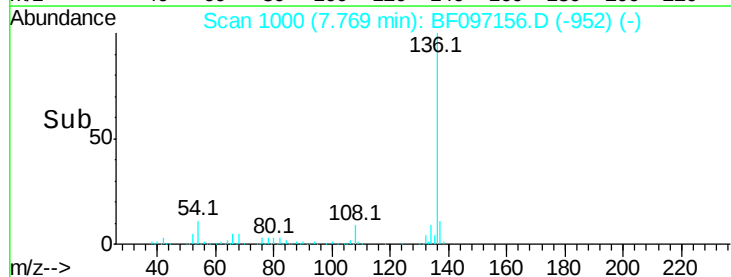
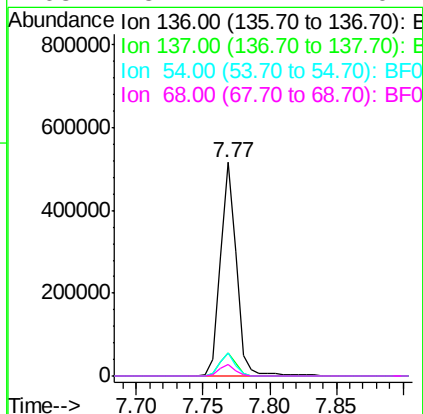
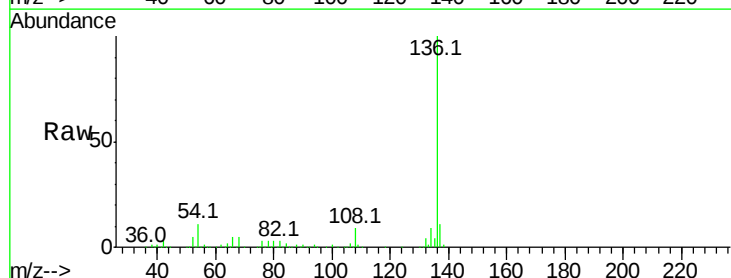
Instrument :
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2A-1-2-3-4-5-COMP-(0-10)

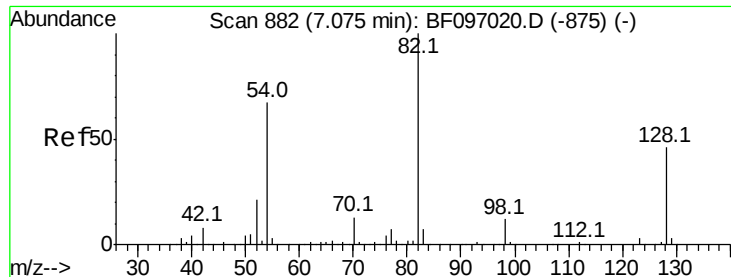
Tot Ion: 70 Resp: 69730
Ion Ratio Lower Upper
70 100
42 59.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Tgt Ion:136 Resp: 438786
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.7 4.9 7.3#
68 5.4 4.1 6.1

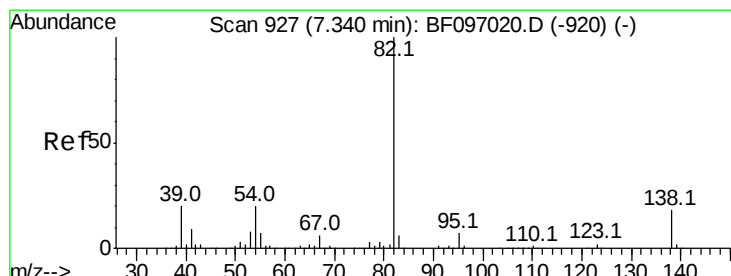
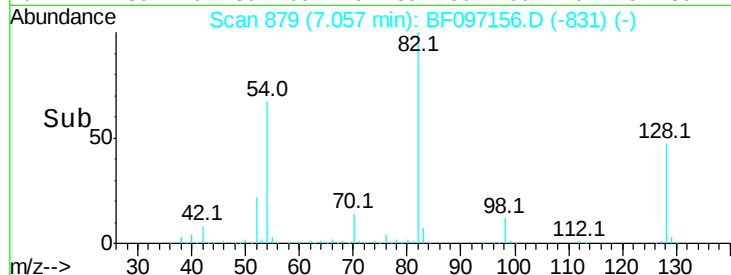
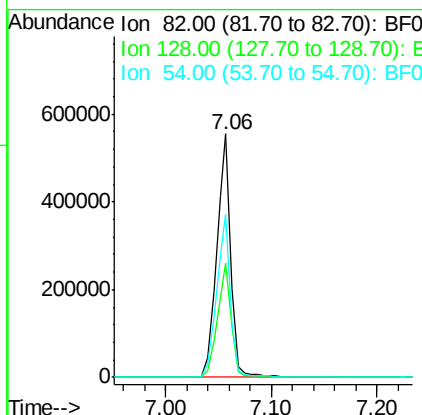
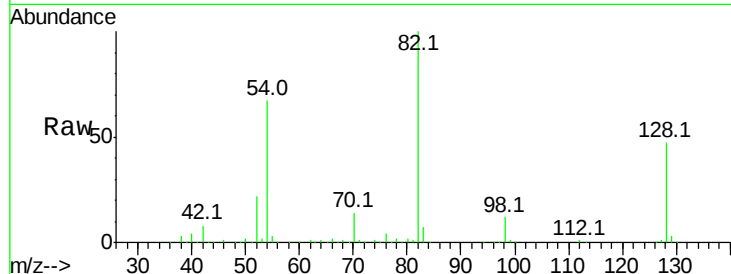




#23
 Nitrobenzene-d5
 Concen: 69.855 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

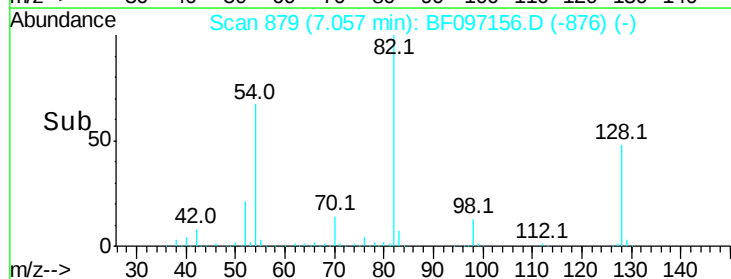
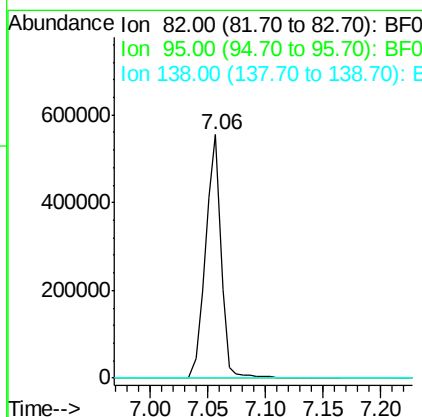
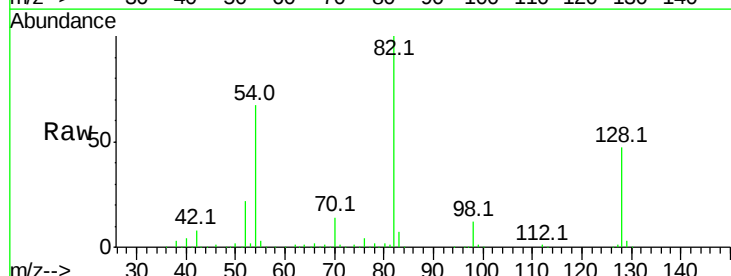
Instrument :
 BNA_F
 ClientSampleId :
 2A-1-2-3-4-5-COMP-(0-10)

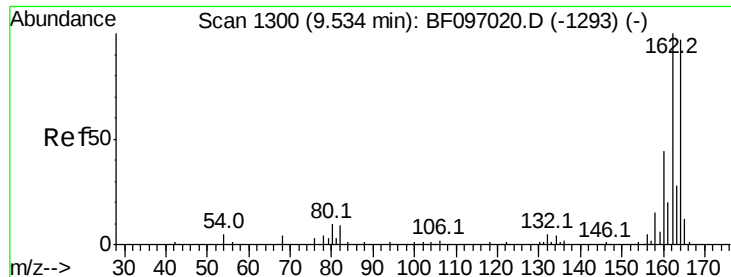
Tot Ion	82	Resp	522493
Ion Ratio	Lower	Upper	
82	100		
128	47.0	34.0	51.0
54	66.9	42.2	63.2#



#25
 Isophorone
 Concen: 35.363 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Tgt Ion	82	Resp	518002
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

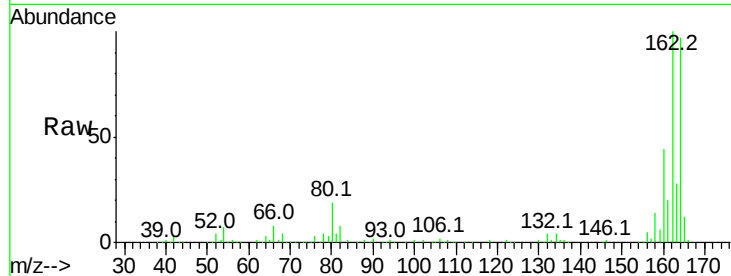




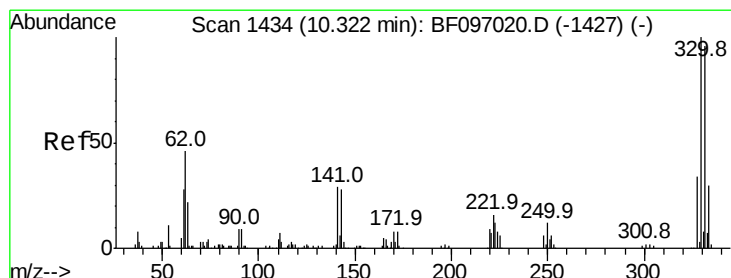
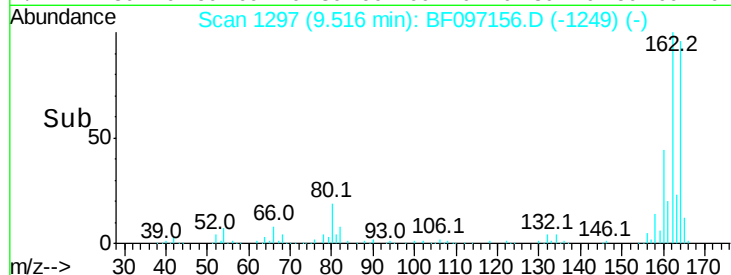
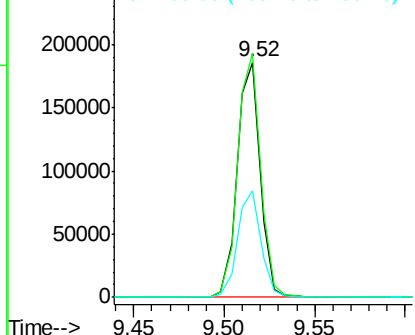
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 2A-1-2-3-4-5-COMP-(0-10)

Tot Ion:164 Resp: 163834
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 45.1 36.2 54.2

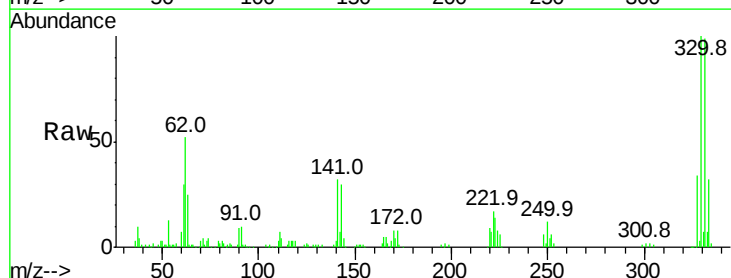


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

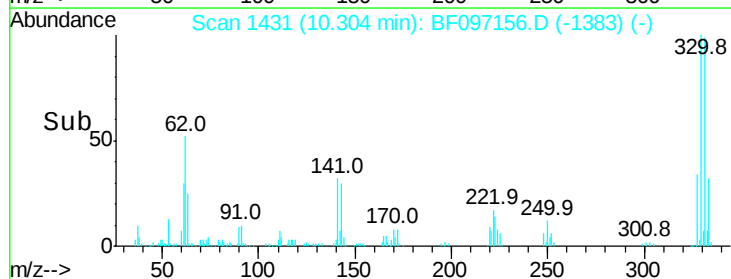
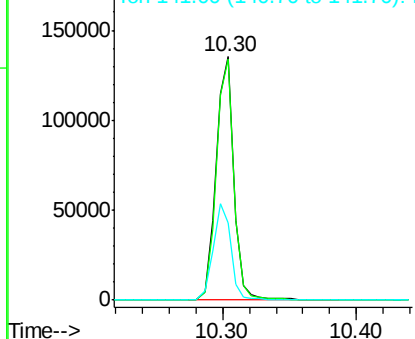


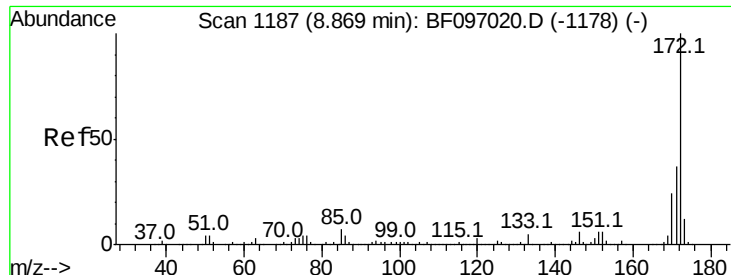
#41
 2,4,6-Tribromophenol
 Concen: 98.593 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Tgt Ion:330 Resp: 127623
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 39.4 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

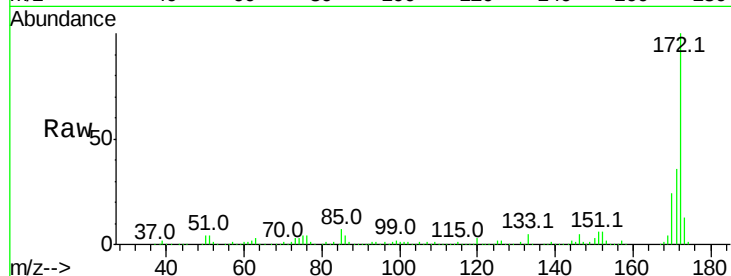




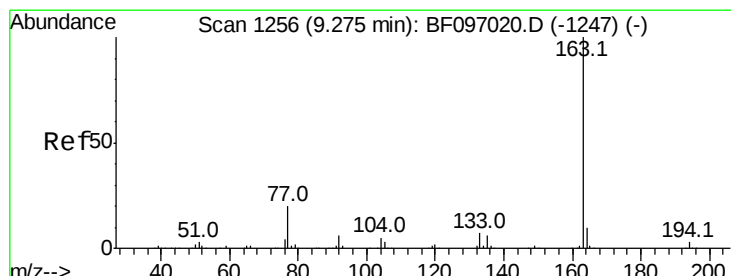
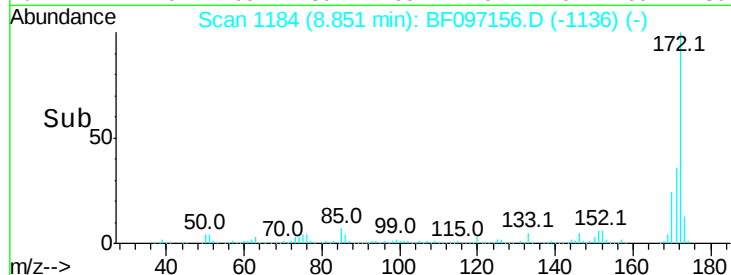
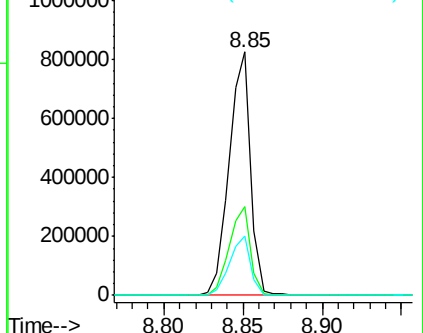
#44
2-Fluorobiphenyl
Concen: 80.194 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Instrument :
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2A-1-2-3-4-5-COMP-(0-10)

Tot Ion:172 Resp: 774176
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.2 19.8 29.8

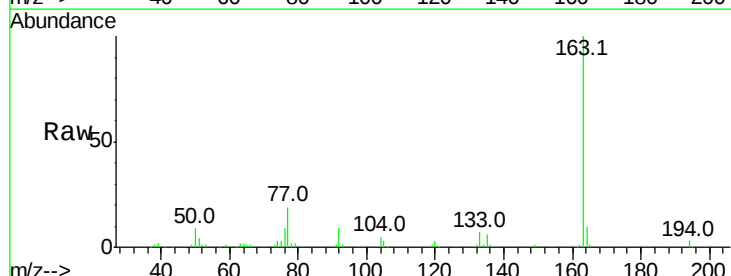


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

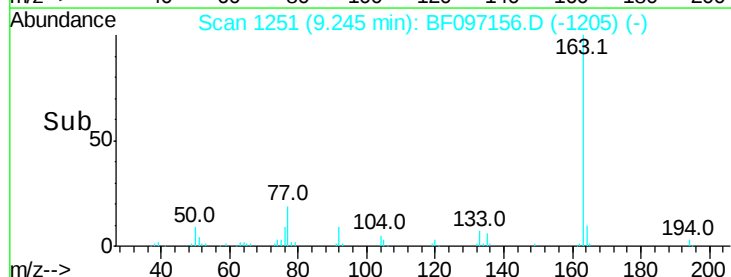
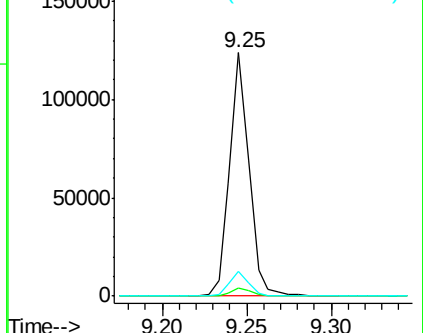


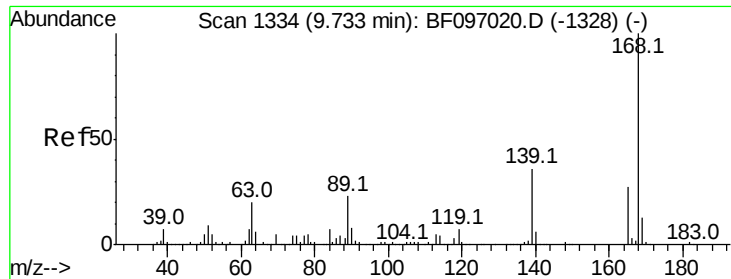
#49
Dimethylphthalate
Concen: 7.970 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Tgt Ion:163 Resp: 99156
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.4 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

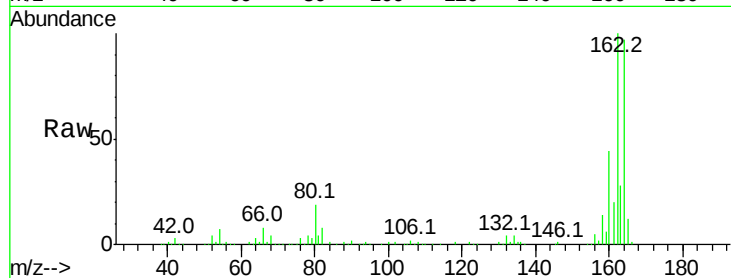




#56
 2,4-Dinitrotoluene
 Concen: 7.041 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 2A-1-2-3-4-5-COMP-(0-10)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#

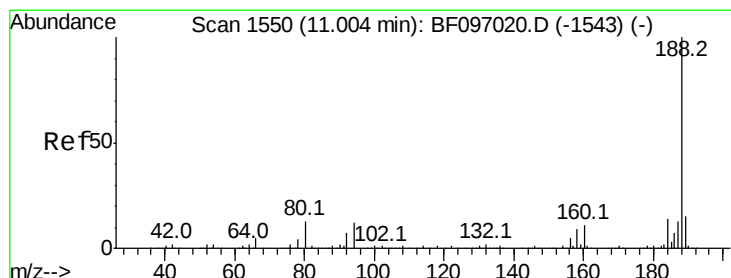
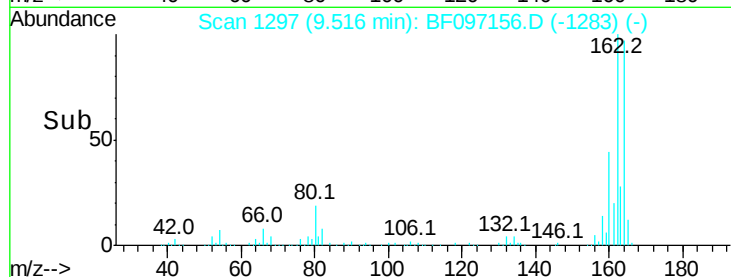
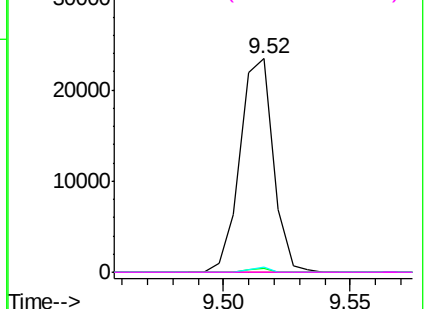


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

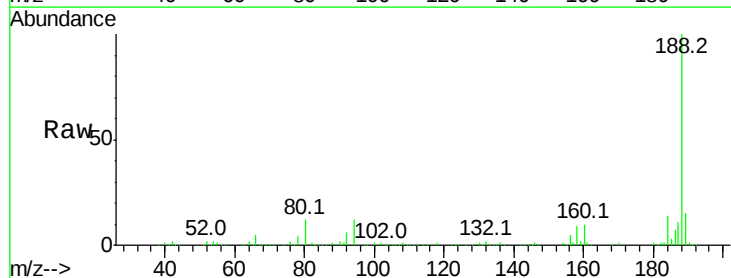
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

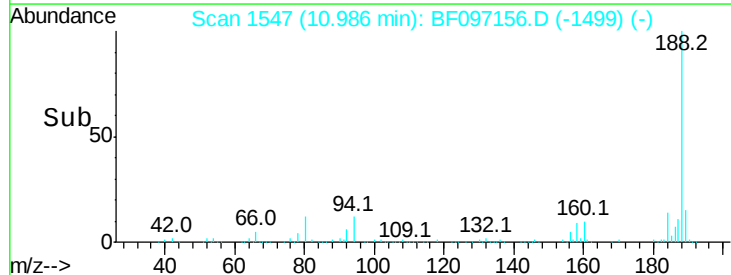
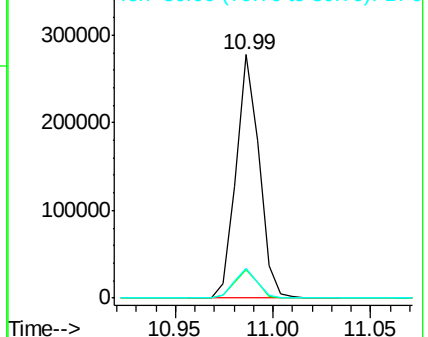
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.1	10.2	15.2

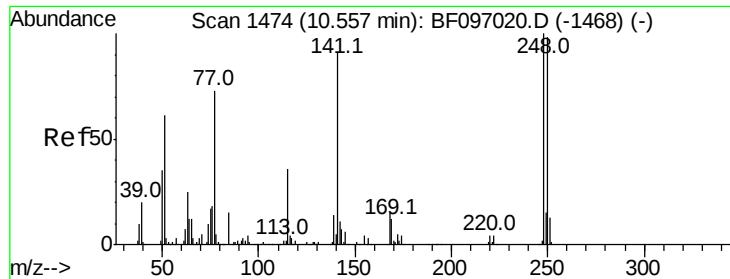


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

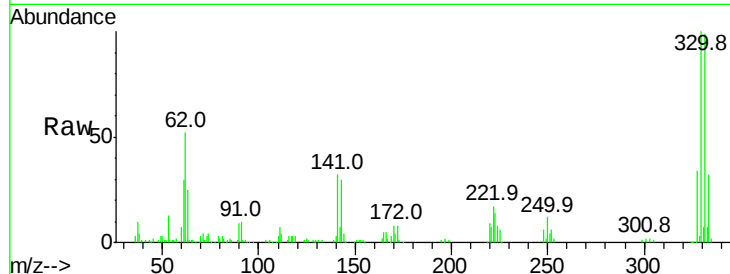




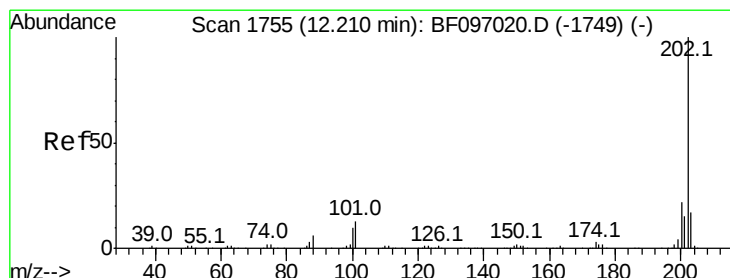
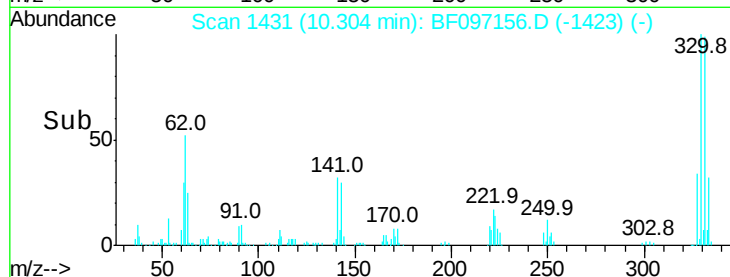
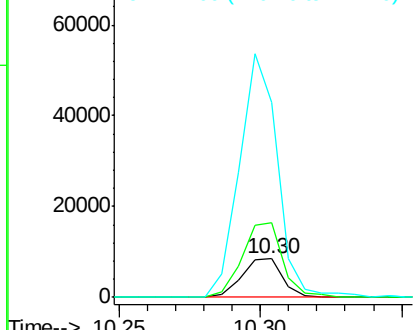
#66
 4-Bromophenyl-phenylether
 Concen: 3.679 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Instrument :
 BNA_F
 ClientSampleId :
 2A-1-2-3-4-5-COMP-(0-10)

Tot Ion:248 Resp: 8404
 Ion Ratio Lower Upper
 248 100
 250 193.2 76.8 115.2#
 141 504.1 68.6 103.0#

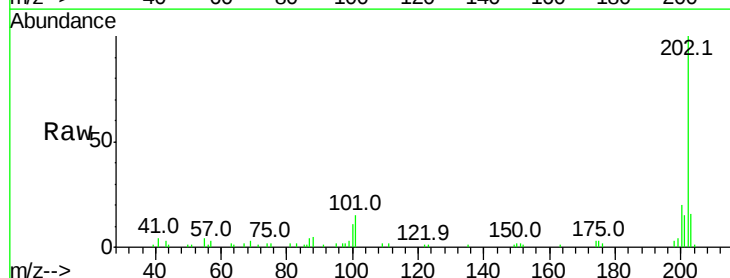


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

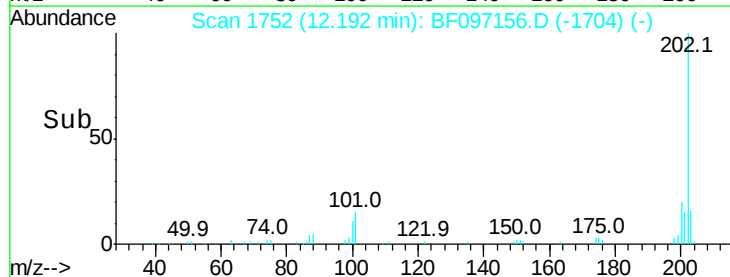
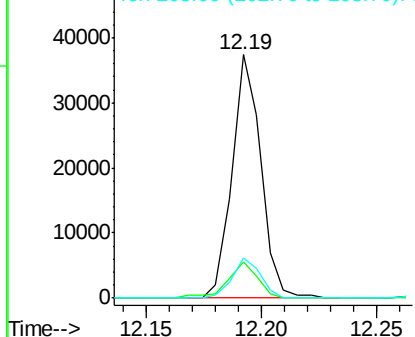


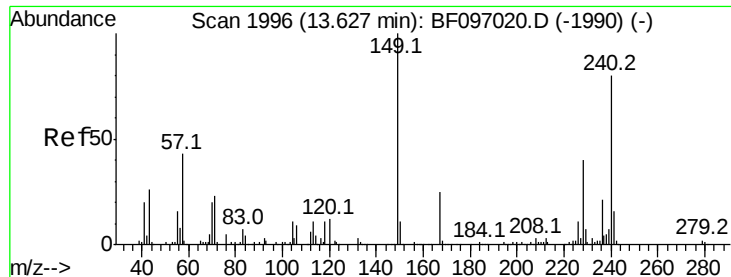
#74
 Fluoranthene
 Concen: 2.707 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097156.D
 Acq: 28 Jul 2017 16:01

Tgt Ion:202 Resp: 32516
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 33.2
 203 16.2 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: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097156.D

Acq: 28 Jul 2017 16:01

Instrument :

BNA_F

ClientSampleId :

2A-1-2-3-4-5-COMP-(0-10)

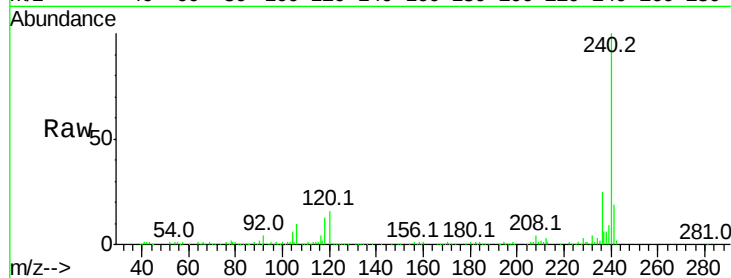
Tot Ion:240 Resp: 213535

Ion Ratio Lower Upper

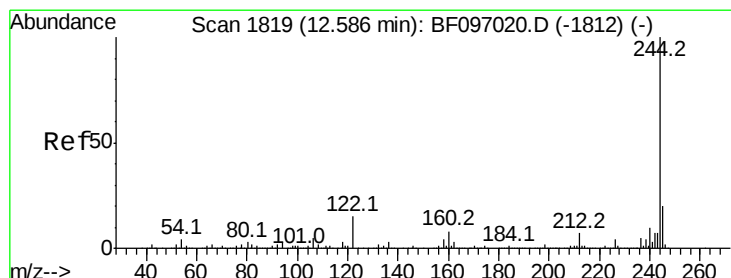
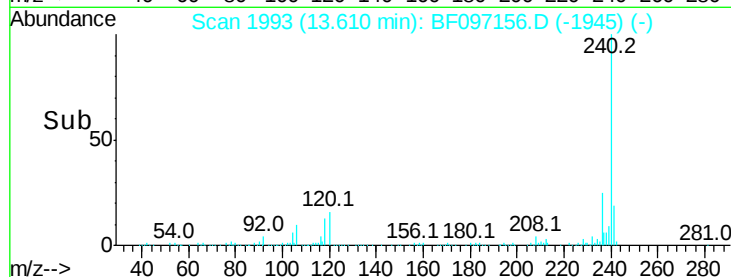
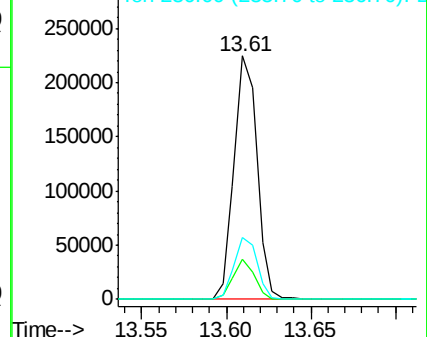
240 100

120 16.5 5.8 8.8#

236 25.5 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



#78

Terphenyl-d14

Concen: 44.879 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097156.D

Acq: 28 Jul 2017 16:01

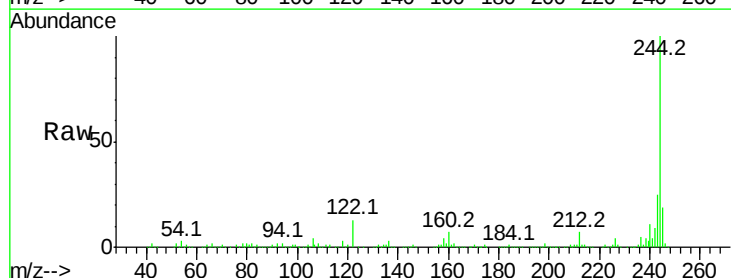
Tgt Ion:244 Resp: 470027

Ion Ratio Lower Upper

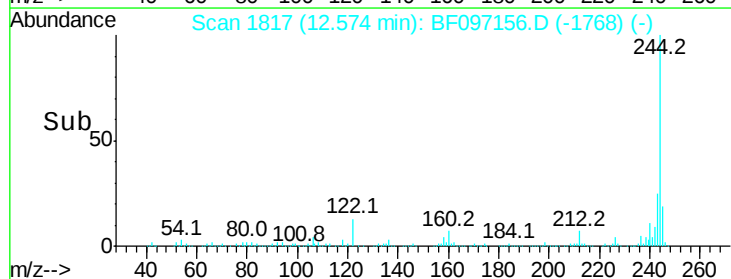
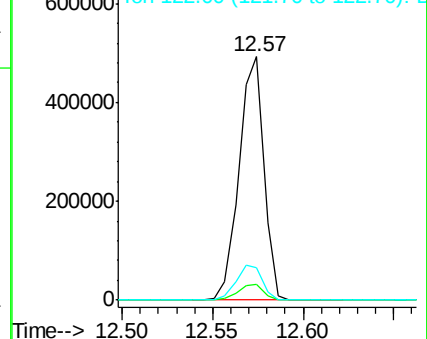
244 100

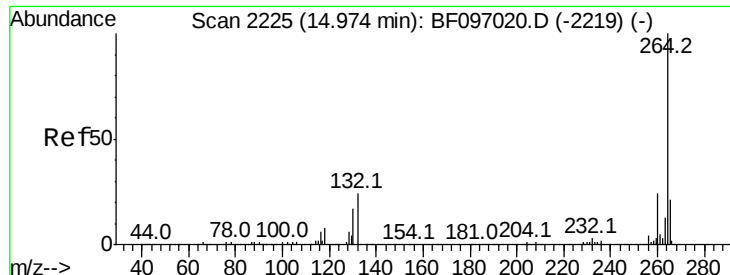
212 6.7 6.0 9.0

122 13.4 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

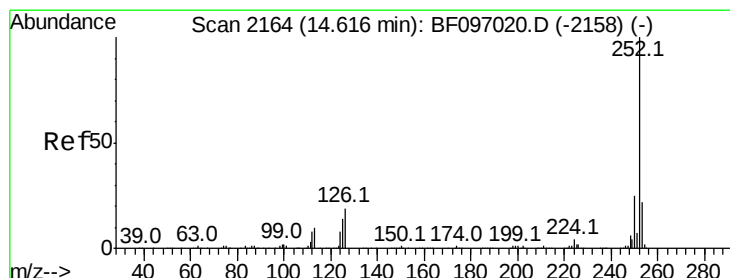
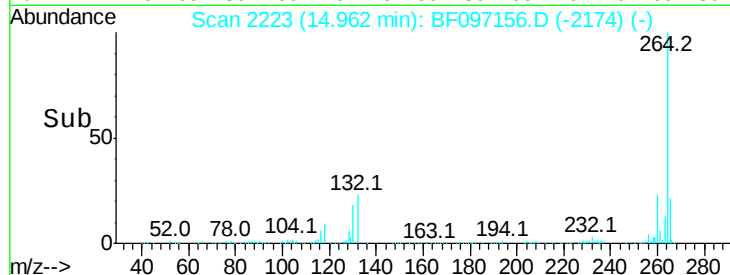
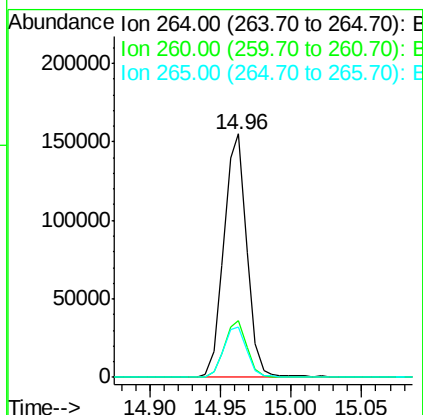
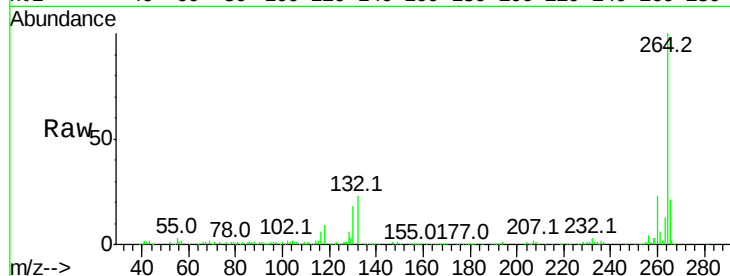




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

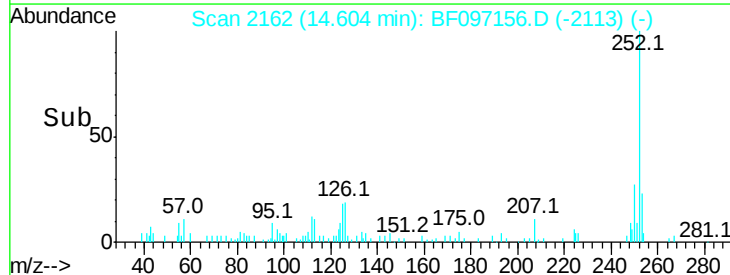
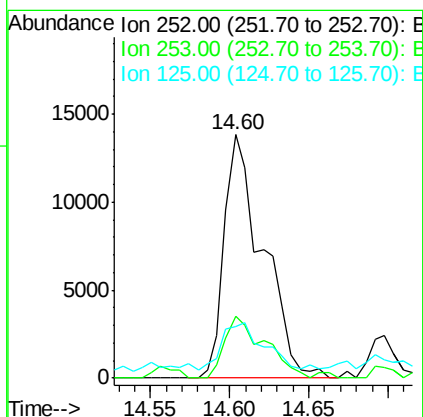
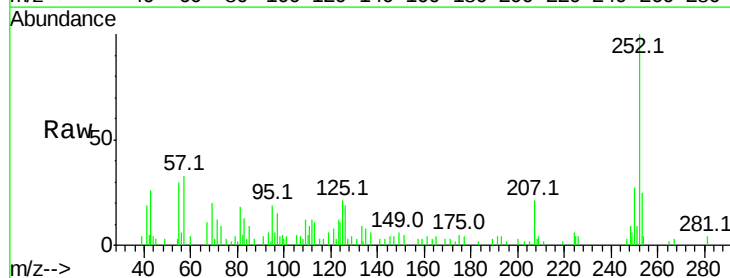
Instrument :
BNA_F
ClientSampleId :
2A-1-2-3-4-5-COMP-(0-10)

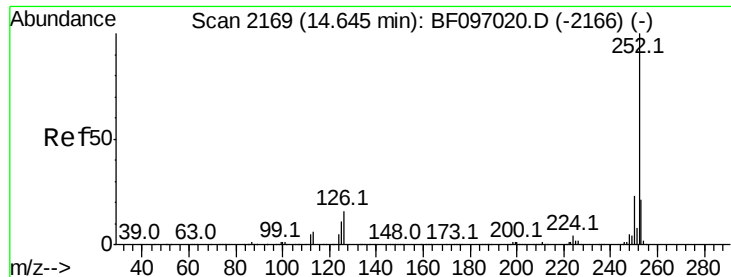
Tot Ion:264 Resp: 175464
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.224 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097156.D
Acq: 28 Jul 2017 16:01

Tgt Ion:252 Resp: 23459
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 21.1 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.334 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097156.D

Acq: 28 Jul 2017 16:01

Instrument :

BNA_F

ClientSampleId :

2A-1-2-3-4-5-COMP-(0-10)

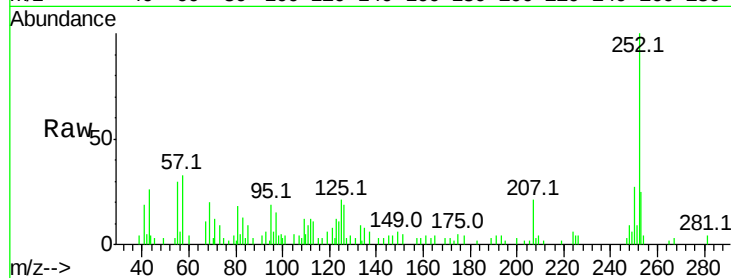
Tot Ion:252 Resp: 23459

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

125 21.1 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

