

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097069.D
 Acq On : 26 Jul 2017 12:23
 Operator : SJ/JU
 Sample : I4443-01 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 13:48:34 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	6.49	152	115944	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	455011	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	226853	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	371599	20.00	ng	0.00
75) Chrysene-d12	13.62	240	297080	20.00	ng	0.00
86) Perylene-d12	14.97	264	222178	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	172088	22.37	ng	0.00
7) Phenol-d6	6.15	99	202654	23.08	ng	-0.02
23) Nitrobenzene-d5	7.06	82	100611	12.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	39447	22.01	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	154226	11.54	ng	-0.01
78) Terphenyl-d14	12.58	244	119325	8.19	ng	0.00

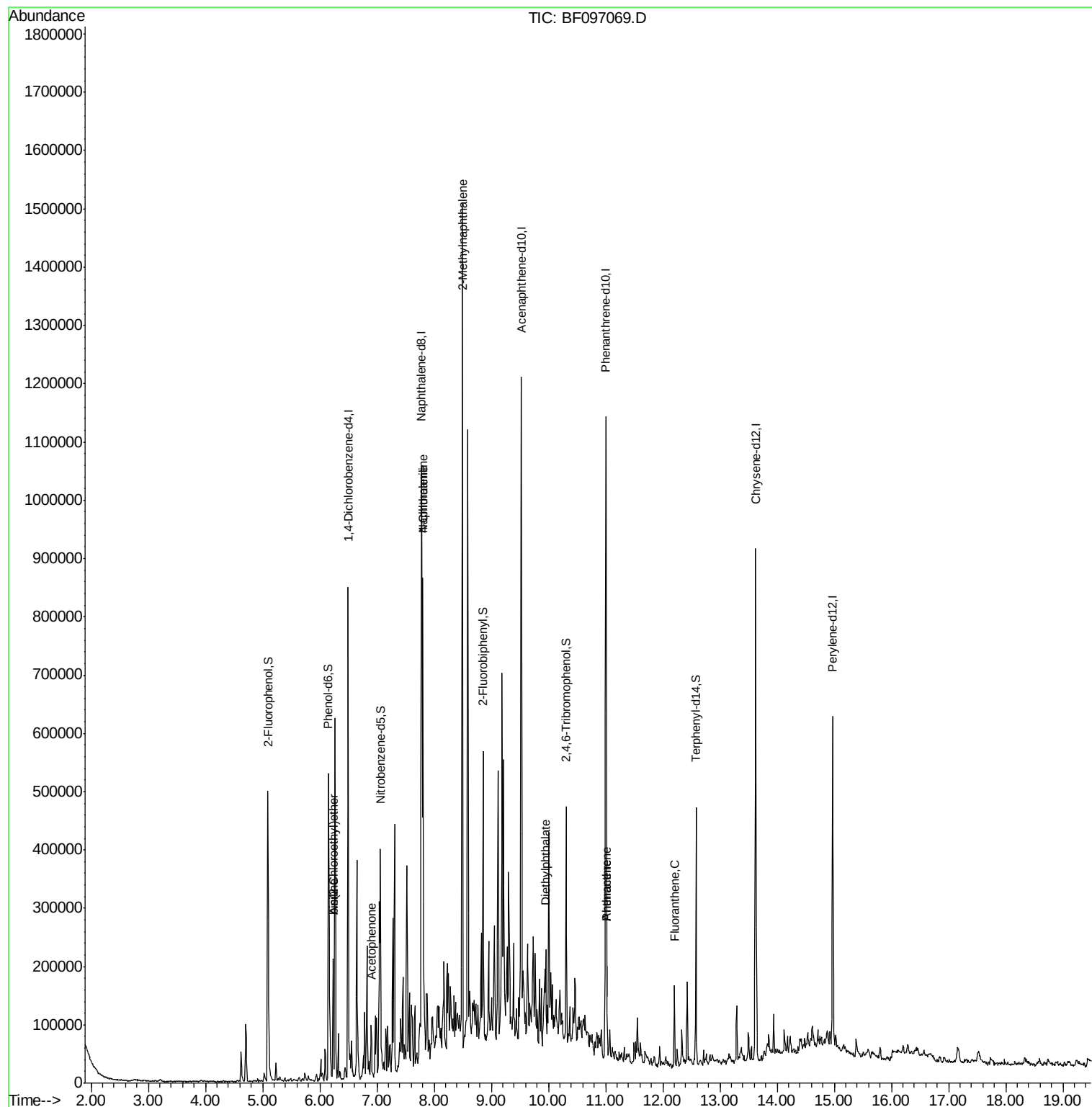
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.23	93	63481	5.745	ng	# 51
11) bis(2-Chloroethyl)ether	6.23	93	63481	7.707	ng	94
22) Acetophenone	6.90	105	26807	2.453	ng	# 51
31) Naphthalene	7.80	128	328047	15.294	ng	100
33) 4-Chloroaniline	7.80	127	45557	5.220	ng	# 35
37) 2-Methylnaphthalene	8.49	142	390338	28.743	ng	98
59) Diethylphthalate	9.96	149	47759	3.022	ng	97
70) Phenanthrene	11.02	178	53248	2.674	ng	99
71) Anthracene	11.02	178	53248	2.611	ng	100
74) Fluoranthene	12.20	202	49498	2.538	ng	98

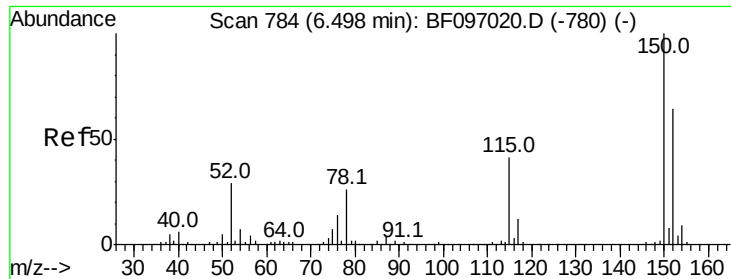
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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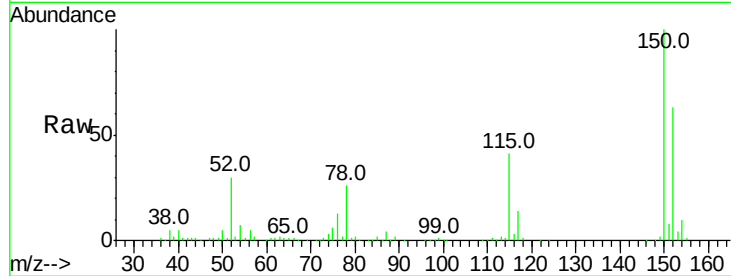


#1

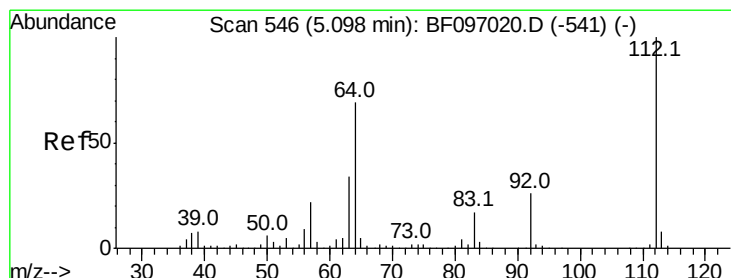
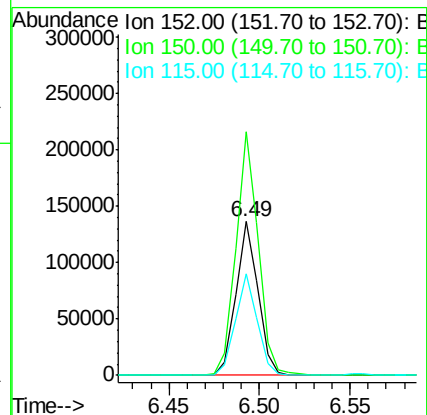
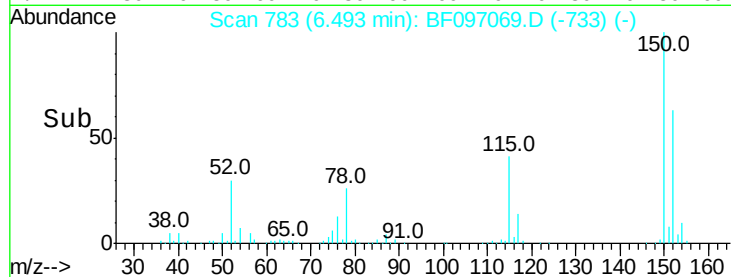
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115944
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 65.7 52.2 78.2



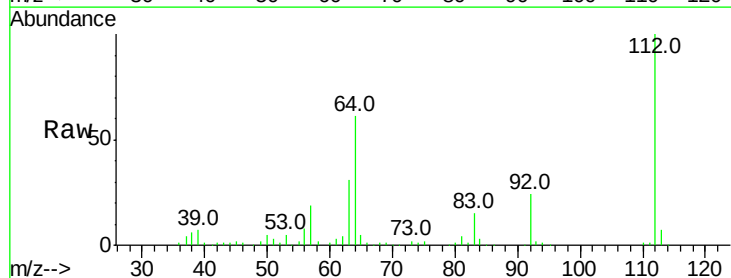
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



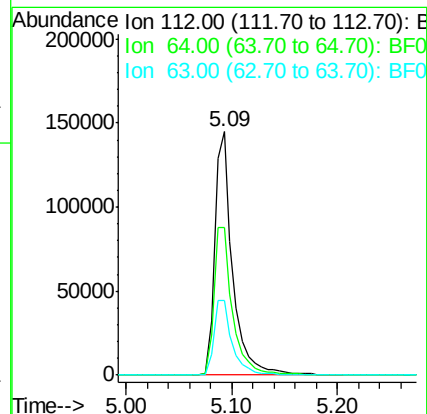
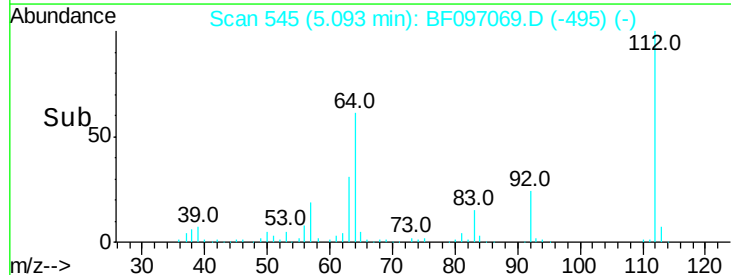
#5

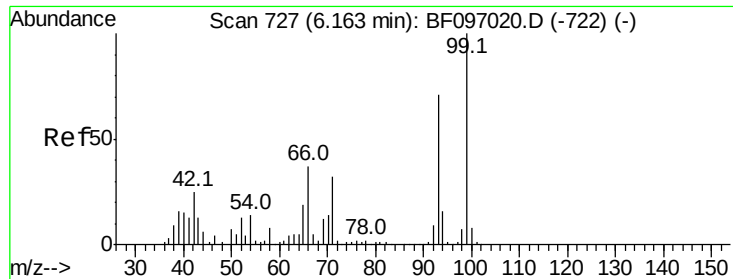
2-Fluorophenol
Concen: 22.375 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Tgt Ion:112 Resp: 172088
Ion Ratio Lower Upper
112 100
64 60.7 46.0 69.0
63 30.7 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





#6

Aniline

Concen: 5.745 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.07 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampled :

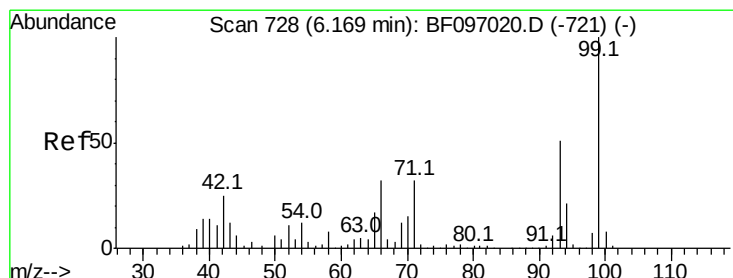
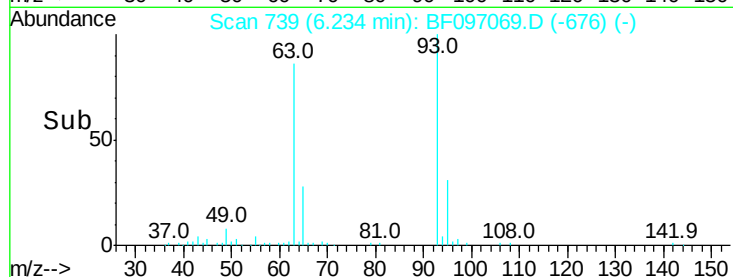
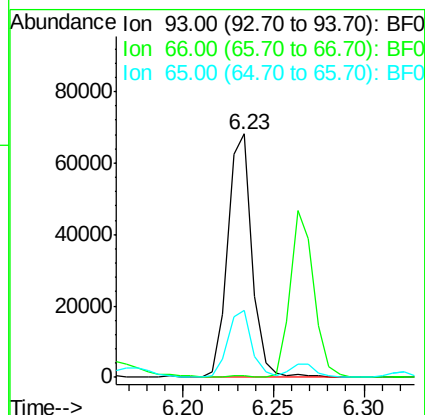
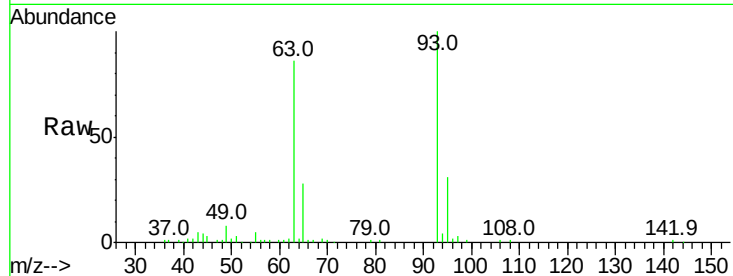
Tot Ion: 93 Resp: 63481

Ion Ratio Lower Upper

93 100

66 0.5 32.9 49.3#

65 27.5 16.0 24.0#



#7

Phenol-d6

Concen: 23.080 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

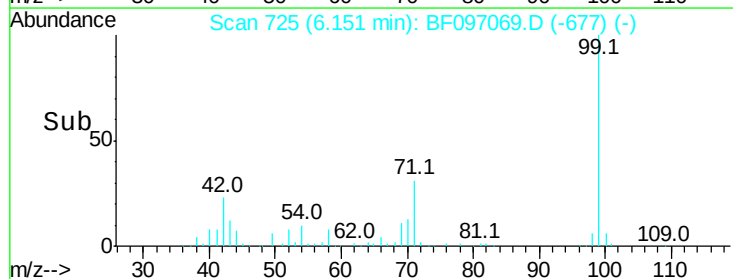
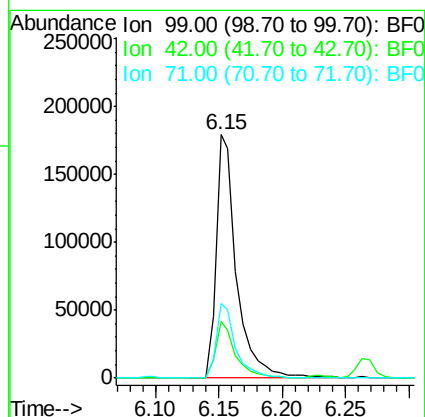
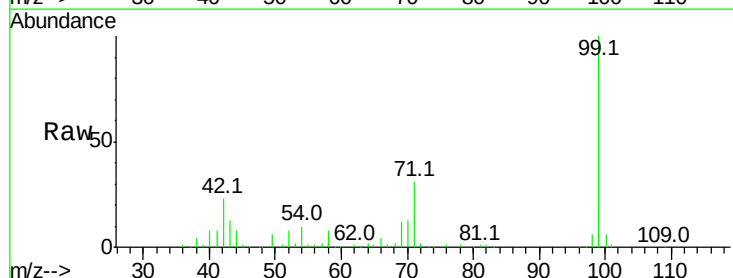
Tgt Ion: 99 Resp: 202654

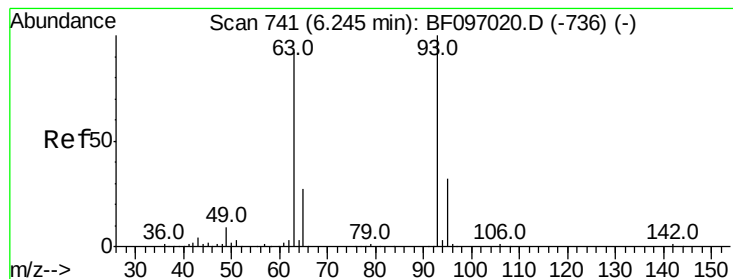
Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

71 30.6 24.5 36.7





#11

bis(2-Chloroethyl)ether

Concen: 7.707 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampleId :

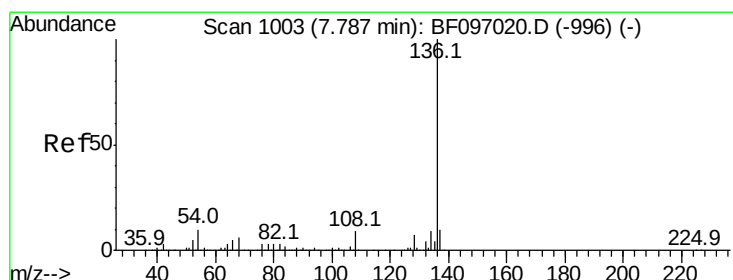
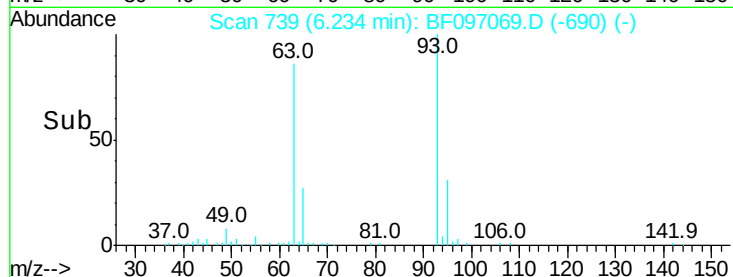
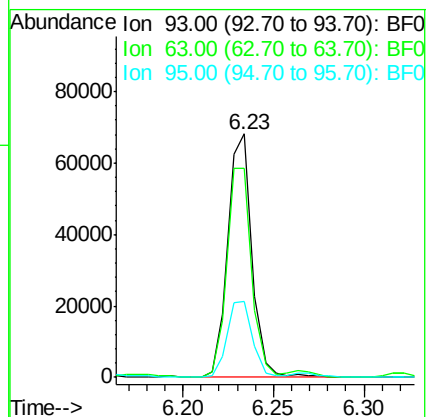
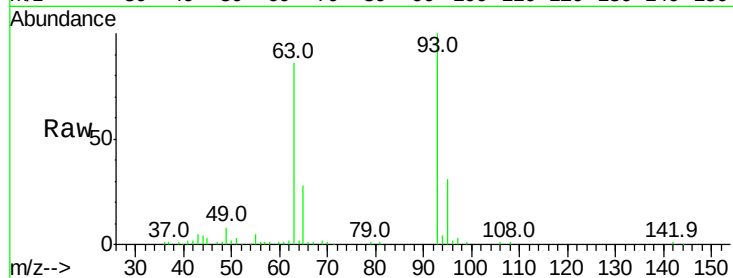
Tot Ion: 93 Resp: 63481

Ion Ratio Lower Upper

93 100

63 85.9 59.2 99.2

95 31.1 12.8 52.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Tgt Ion:136 Resp: 455011

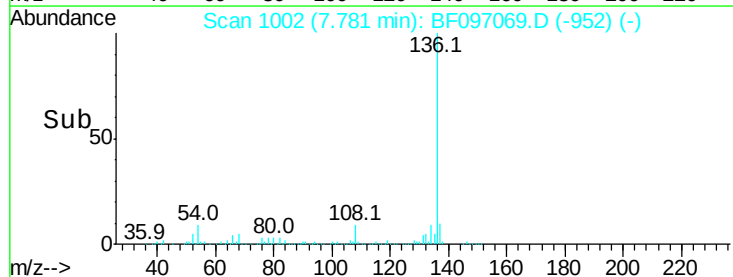
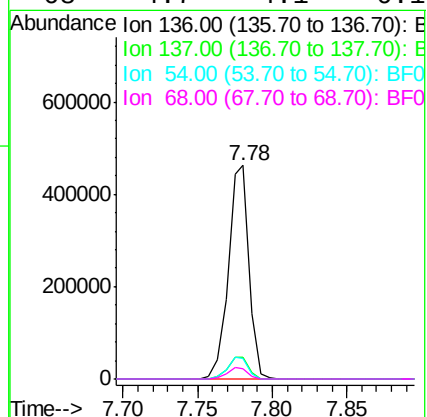
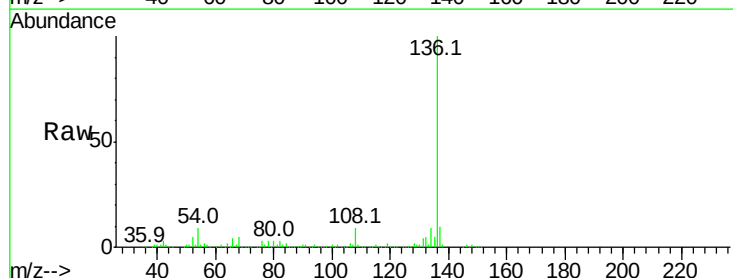
Ion Ratio Lower Upper

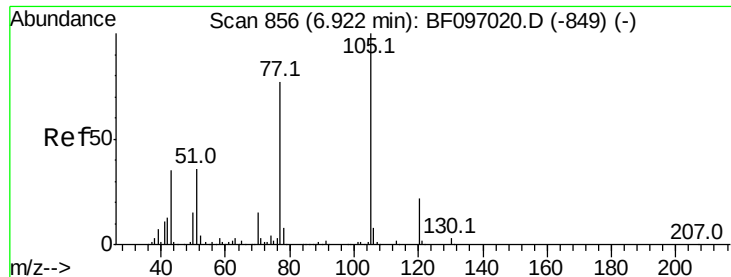
136 100

137 10.2 8.5 12.7

54 9.3 4.9 7.3#

68 4.7 4.1 6.1

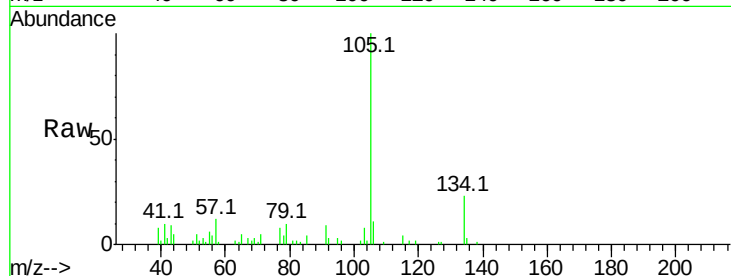




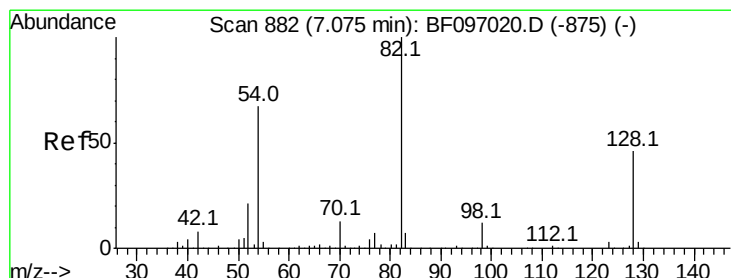
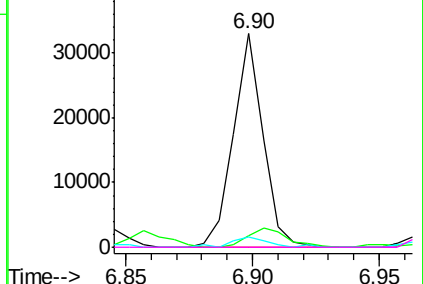
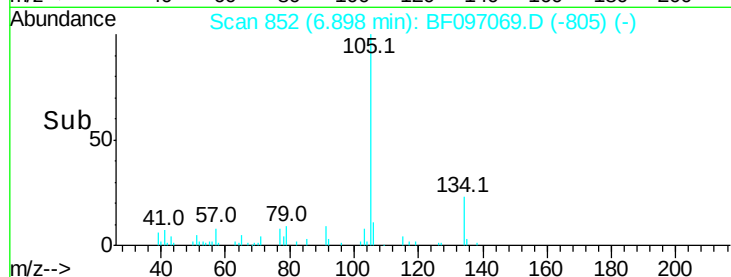
#22
Acetophenone
Concen: 2.453 ng
RT: 6.90 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 26807
Ion Ratio Lower Upper
105 100
71 5.2 2.8 4.2#
51 5.0 30.7 46.1#
120 0.0 17.4 26.0#

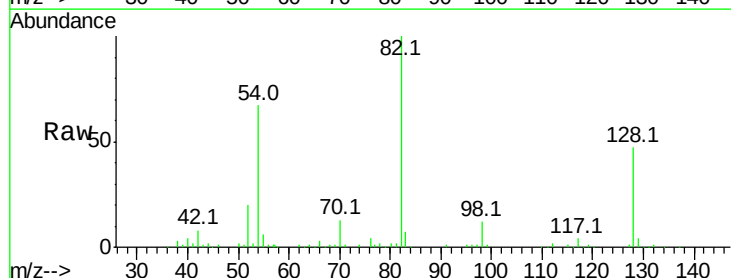


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

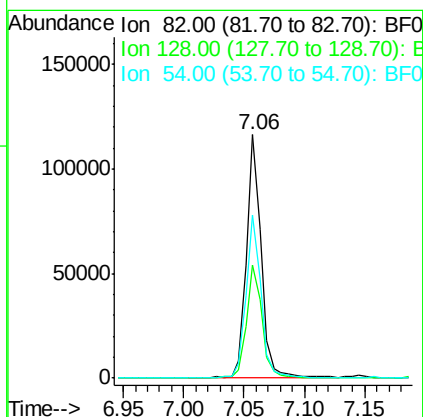
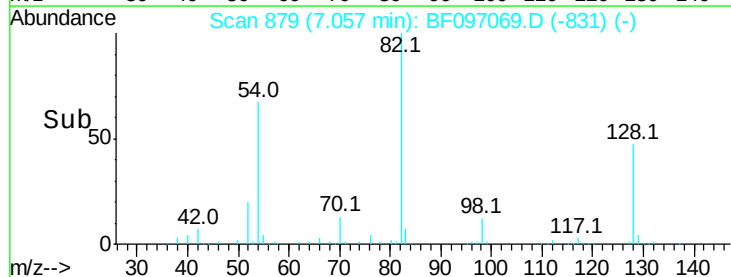


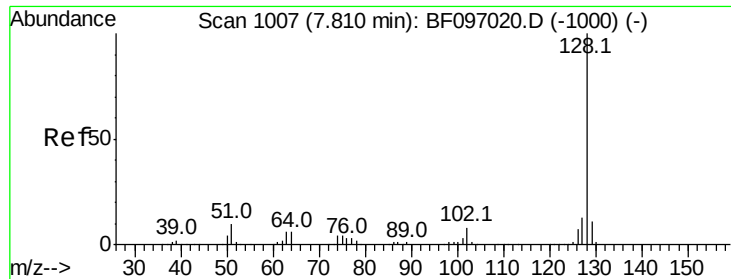
#23
Nitrobenzene-d5
Concen: 12.972 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Tgt Ion: 82 Resp: 100611
Ion Ratio Lower Upper
82 100
128 46.5 34.0 51.0
54 66.8 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





#31

Naphthalene

Concen: 15.294 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampleId :

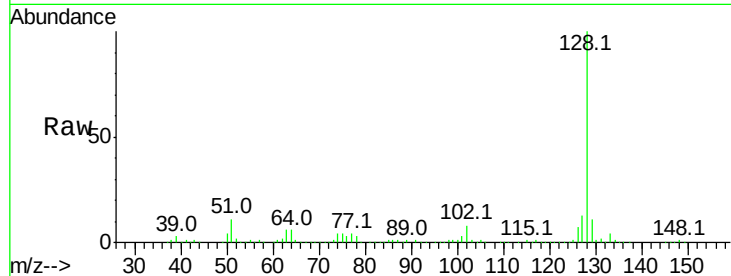
Tot Ion:128 Resp: 328047

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

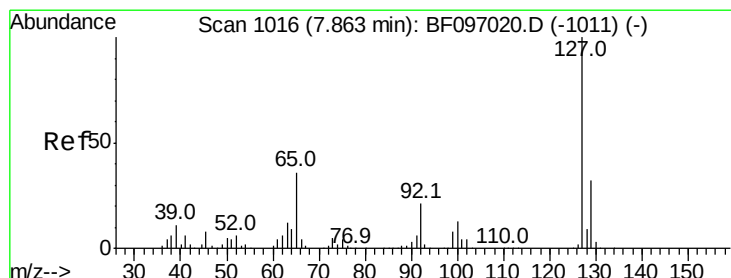
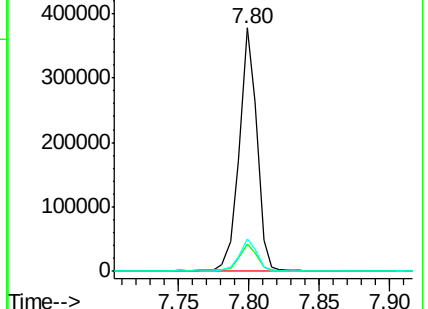
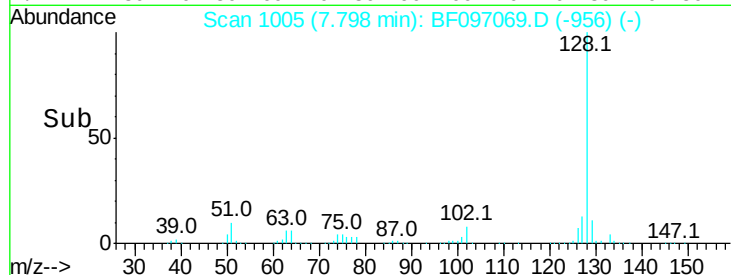
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 5.220 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.06 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Tgt Ion:127 Resp: 45557

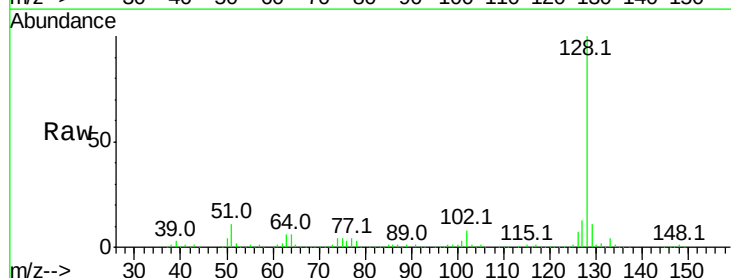
Ion Ratio Lower Upper

127 100

129 84.7 26.2 39.2#

65 5.0 27.8 41.8#

92 0.9 16.8 25.2#

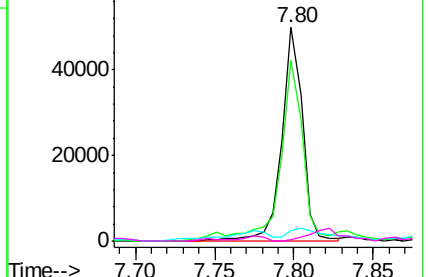
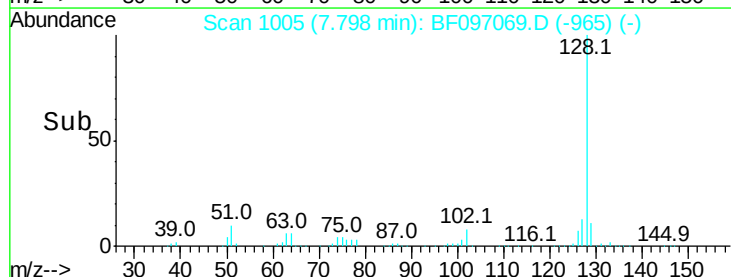


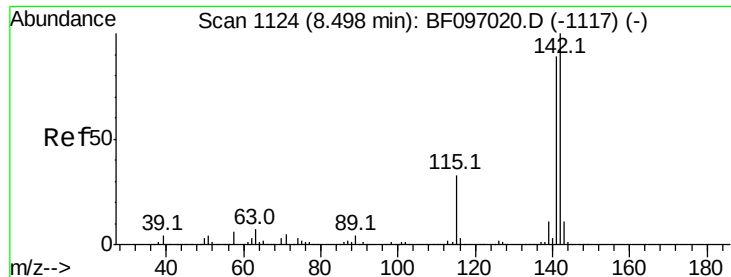
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

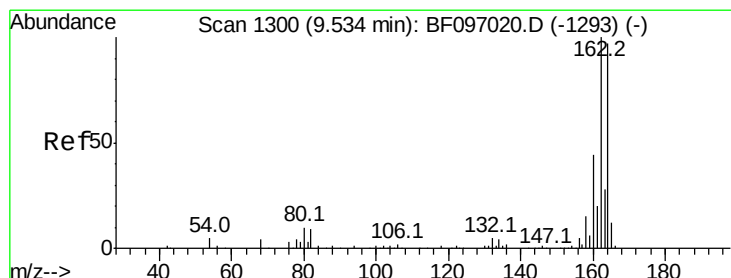
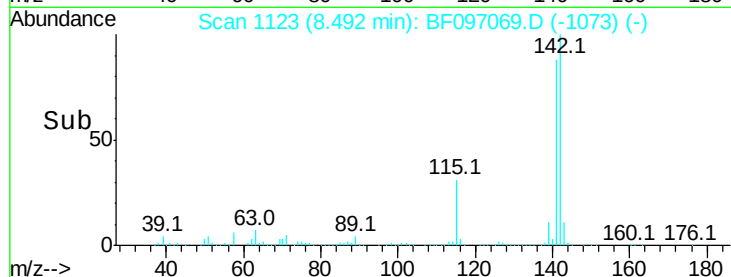
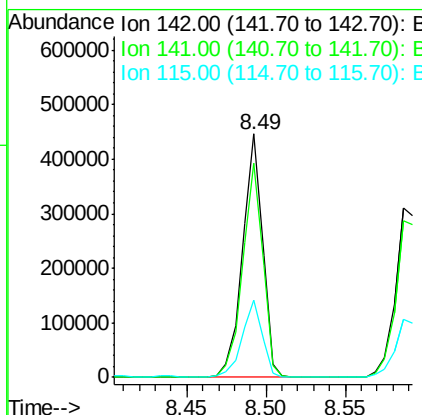
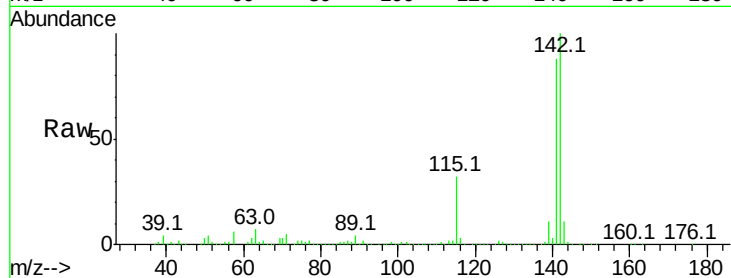




#37
 2-Methylnaphthalene
 Concen: 28.743 ng
 RT: 8.49 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BF097069.D
 Acq: 26 Jul 2017 12:23

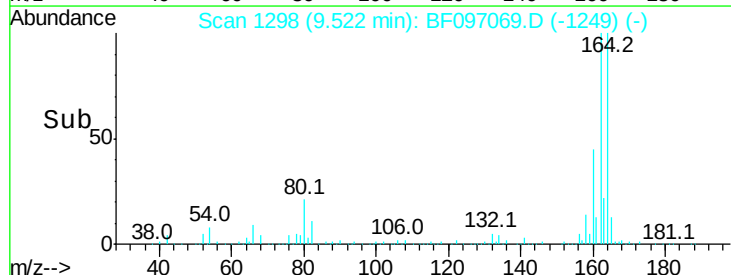
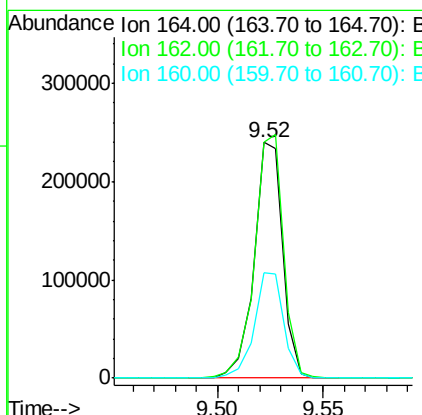
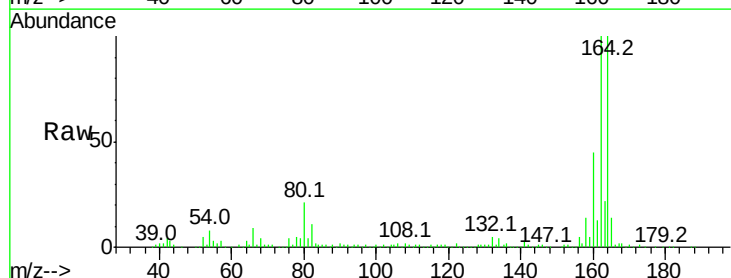
Instrument :
 BNA_F
 ClientSampled :

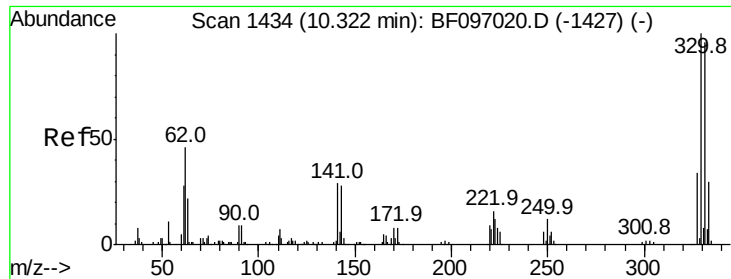
Tot Ion:142 Resp: 390338
 Ion Ratio Lower Upper
 142 100
 141 87.9 71.3 106.9
 115 31.5 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF097069.D
 Acq: 26 Jul 2017 12:23

Tgt Ion:164 Resp: 226853
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.6 123.8
 160 44.6 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 22.008 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampleId :

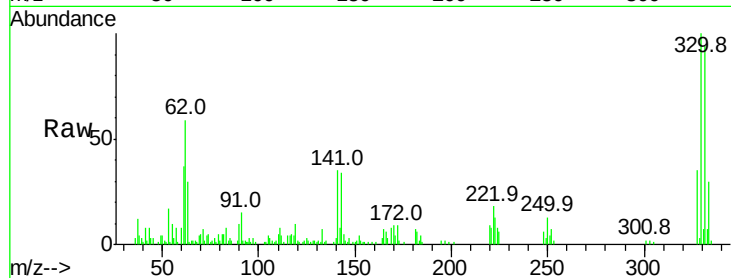
Tot Ion:330 Resp: 39447

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

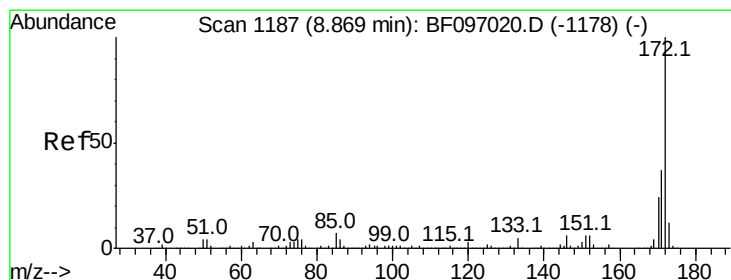
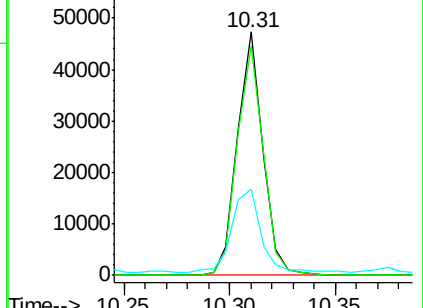
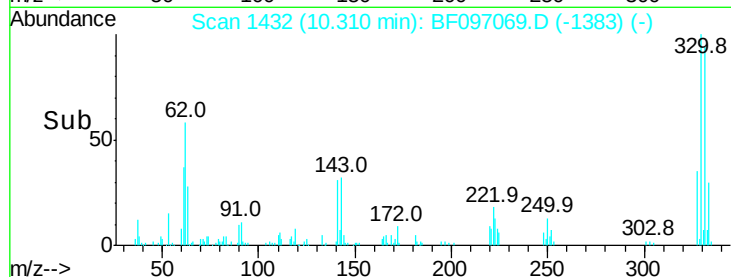
141 39.1 31.4 47.2



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: 11.538 ng

RT: 8.86 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

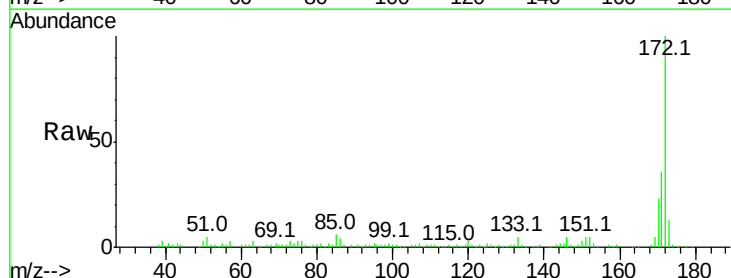
Tgt Ion:172 Resp: 154226

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

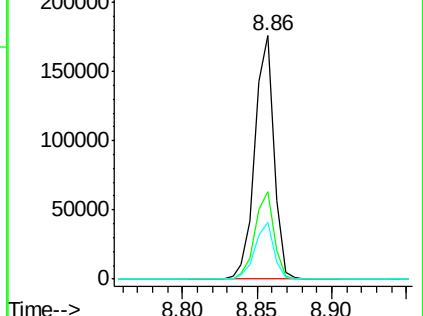
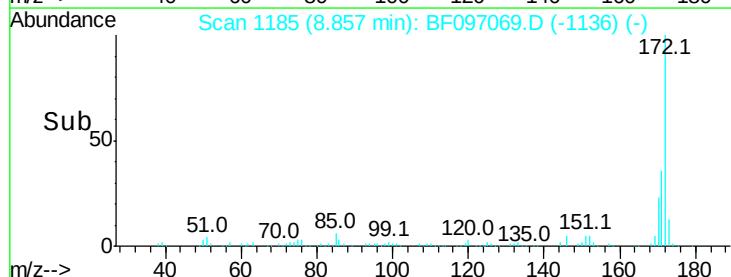
170 23.4 19.8 29.8

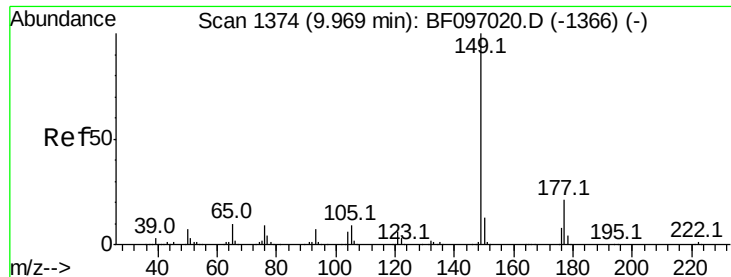


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

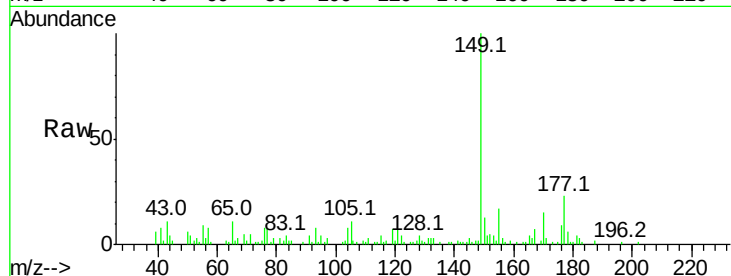




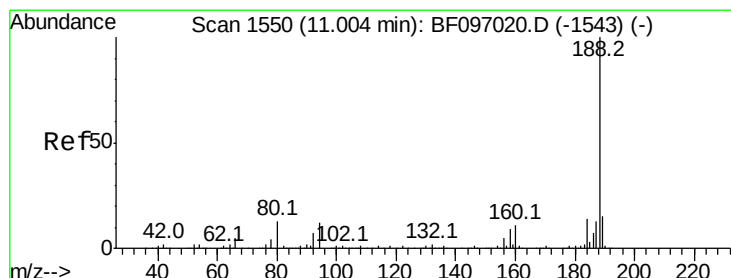
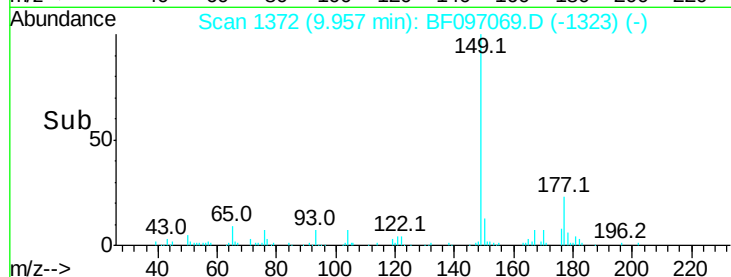
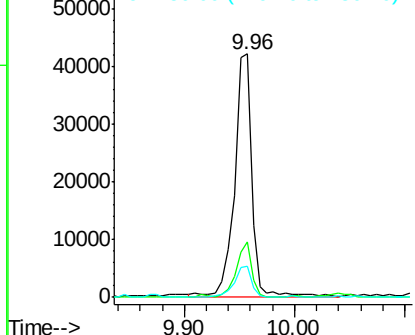
#59
Diethylphthalate
Concen: 3.022 ng
RT: 9.96 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 47759
Ion Ratio Lower Upper
149 100
177 22.8 16.7 25.1
150 12.6 10.2 15.2

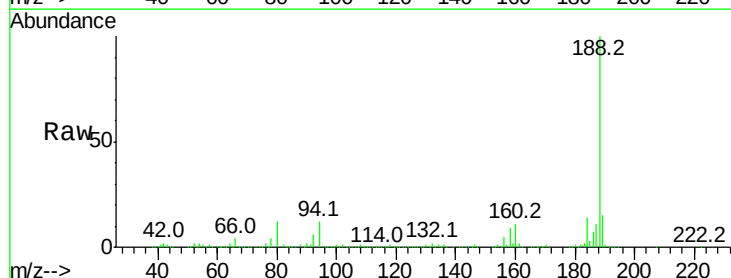


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

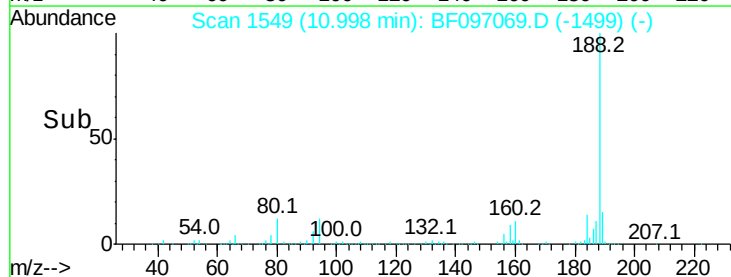
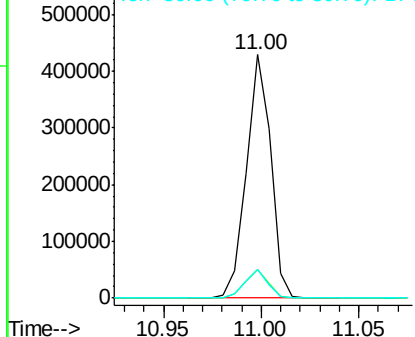


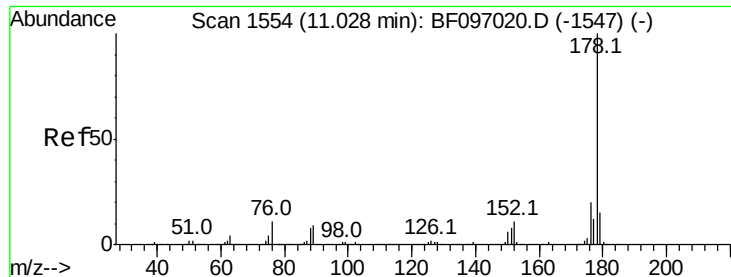
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097069.D
Acq: 26 Jul 2017 12:23

Tgt Ion:188 Resp: 371599
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.2
80 11.6 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: 2.674 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampleId :

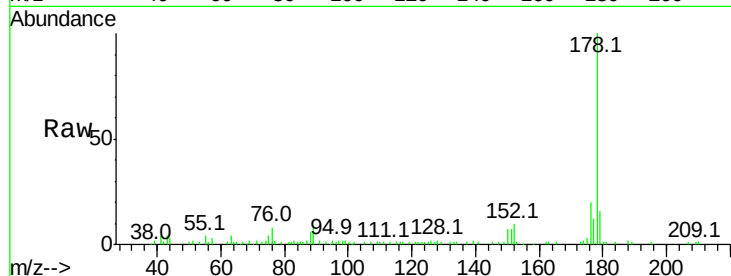
Tot Ion:178 Resp: 53248

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

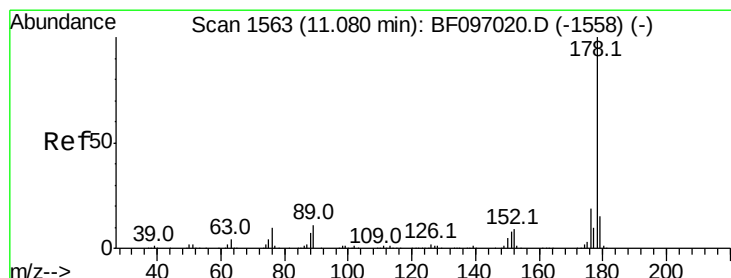
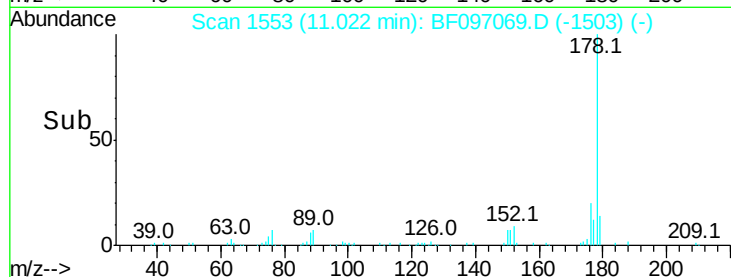
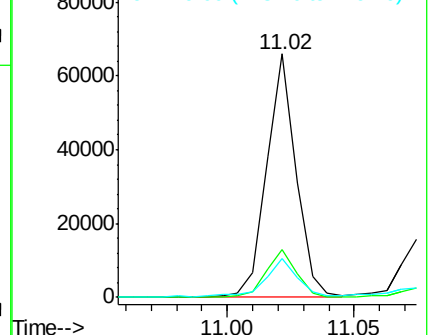
179 16.1 12.6 19.0



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: 2.611 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.06 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

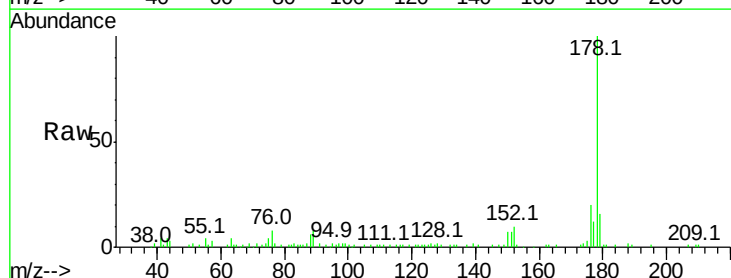
Tgt Ion:178 Resp: 53248

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

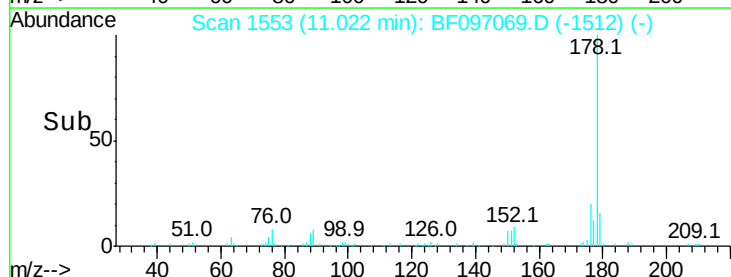
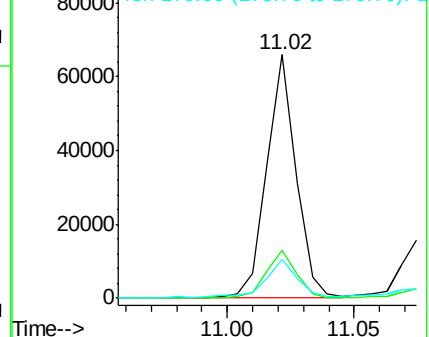
179 16.1 12.7 19.1

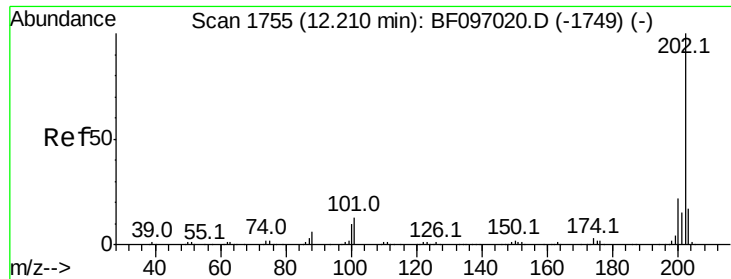


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

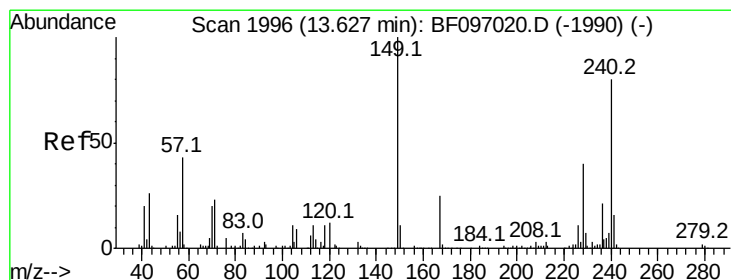
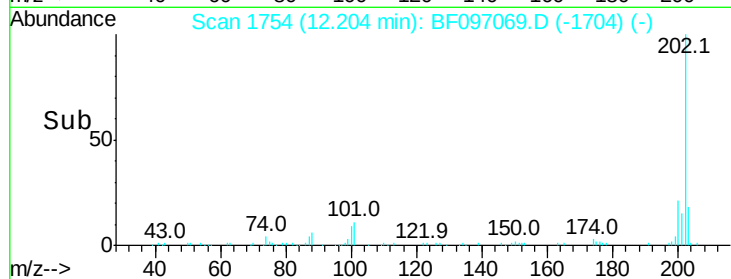
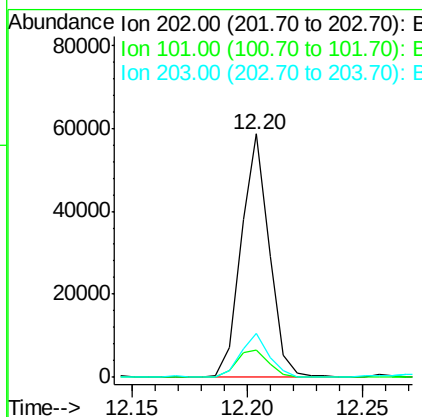
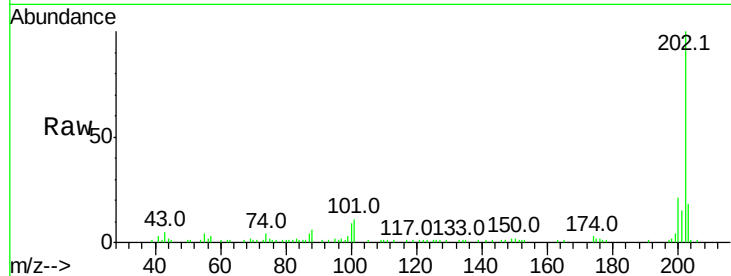




#74
Fluoranthene
 Concen: 2.538 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097069.D
 Acq: 26 Jul 2017 12:23

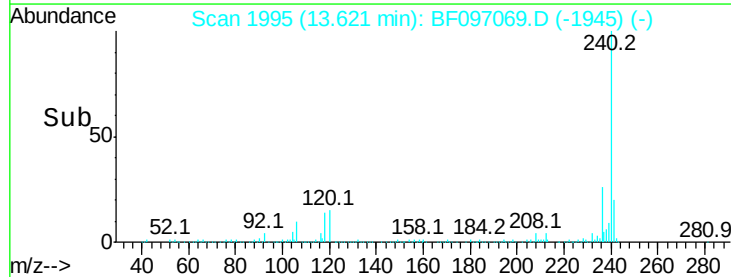
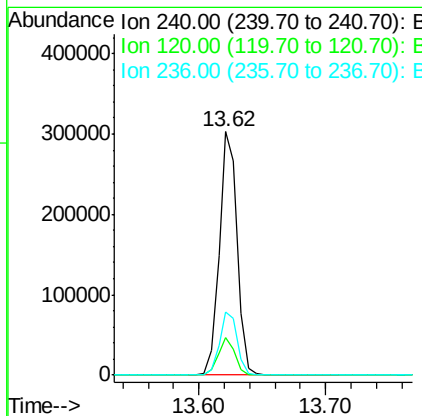
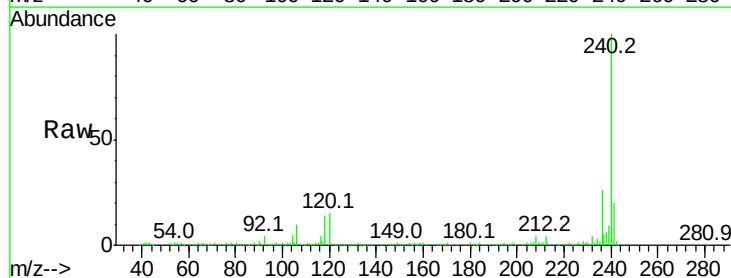
Instrument :
 BNA_F
 ClientSampleId :

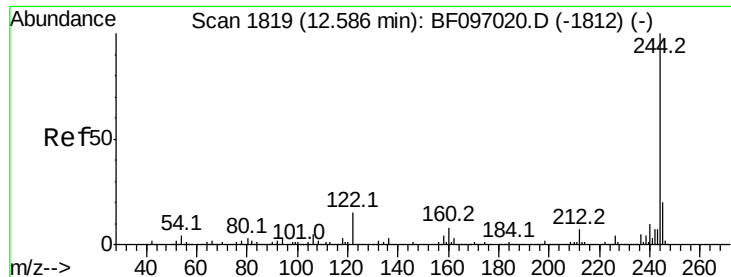
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	18.0	0.0	38.1



#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.62 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097069.D
 Acq: 26 Jul 2017 12:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.8	20.5	30.7





#78

Terphenyl-d14

Concen: 8.189 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

Instrument :

BNA_F

ClientSampleId :

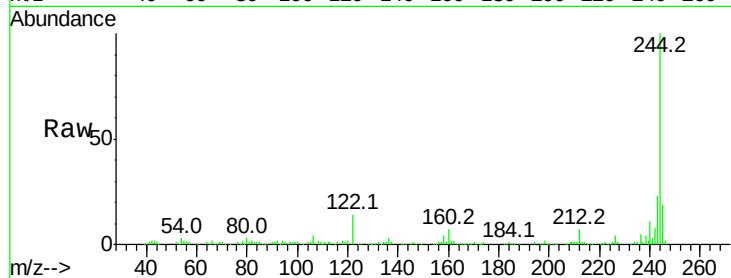
Tot Ion:244 Resp: 119325

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

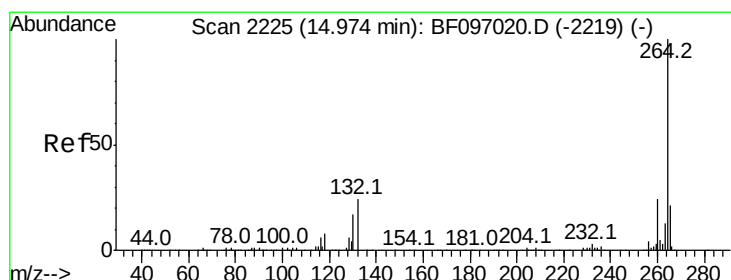
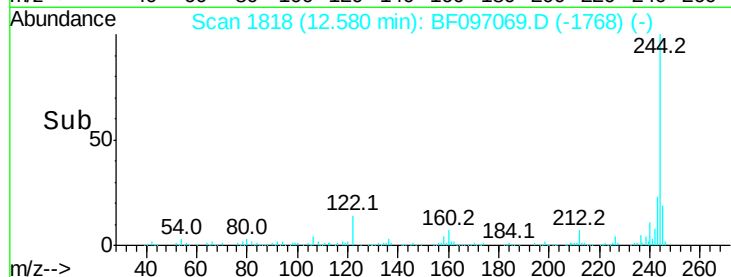
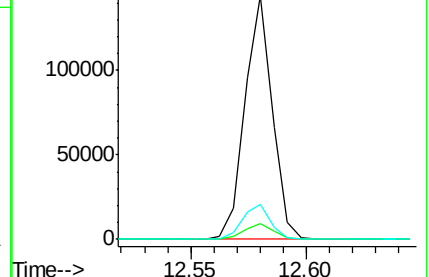
122 14.2 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 14.97 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF097069.D

Acq: 26 Jul 2017 12:23

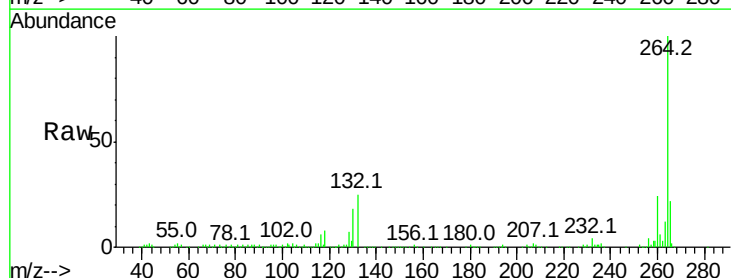
Tgt Ion:264 Resp: 222178

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

