

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097403.D
 Acq On : 5 Aug 2017 17:59
 Operator : SJ/JU
 Sample : I4611-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:09:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

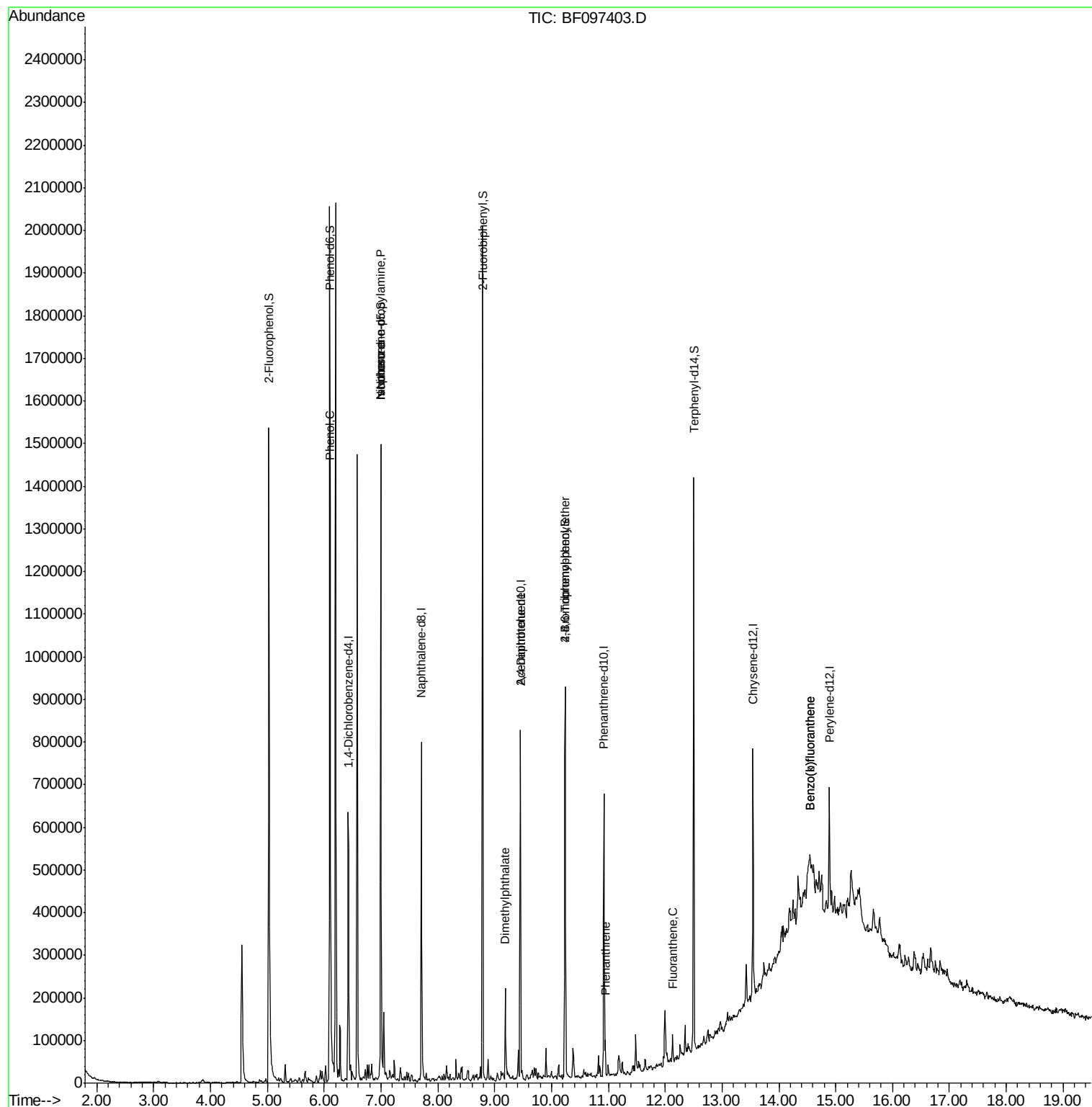
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.42	152	96932	20.00	ng	-0.08
21) Naphthalene-d8	7.71	136	373083	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	154526	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	204705	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	181497	20.00	ng	-0.08
86) Perylene-d12	14.89	264	116130	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	557377	86.68	ng	-0.07
7) Phenol-d6	6.10	99	766222	104.38	ng	-0.07
23) Nitrobenzene-d5	7.00	82	441234	69.38	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	97591	79.93	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	600690	65.97	ng	-0.08
78) Terphenyl-d14	12.50	244	376145	42.25	ng	-0.08
Target Compounds						
10) Phenol	6.11	94	23268	2.67	ng	# 69
19) n-Nitroso-di-n-propylamine	7.00	70	54767	11.33	ng	# 84
25) Isophorone	7.00	82	431200	34.62	ng	# 67
49) Dimethylphthalate	9.19	163	77162	6.58	ng	99
56) 2,4-Dinitrotoluene	9.45	165	19651	6.87	ng	# 32
66) 4-Bromophenyl-phenylether	10.24	248	5876	2.88	ng	# 1
70) Phenanthrene	10.95	178	28943	2.64	ng	99
74) Fluoranthene	12.13	202	24679	2.30	ng	97
87) Benzo(b)fluoranthene	14.54	252	14725	2.11	ng	# 33
88) Benzo(k)fluoranthene	14.54	252	14714	2.21	ng	# 36

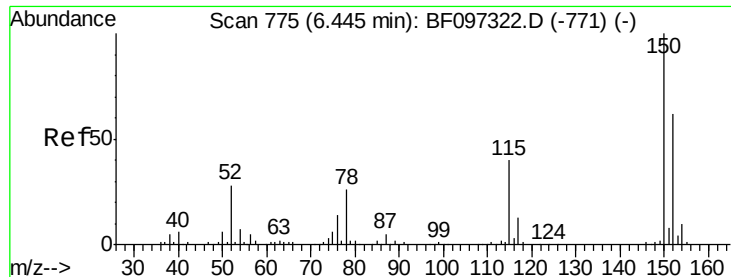
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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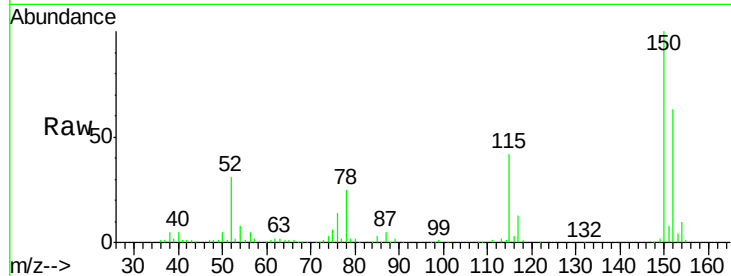


#1

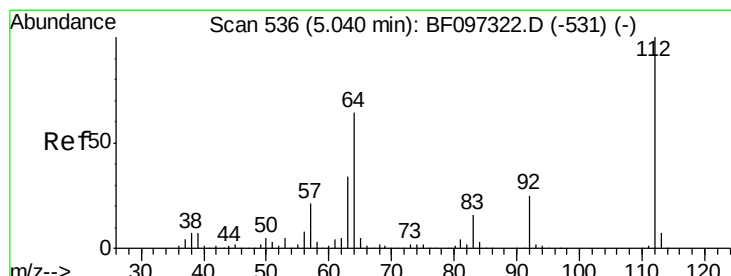
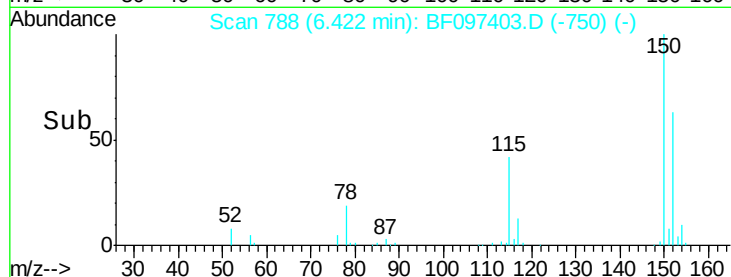
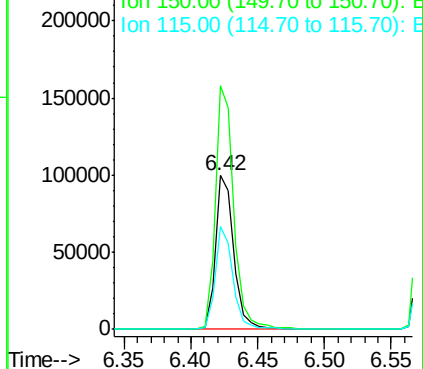
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.42 min Scan# 788
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96932
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 66.7 52.2 78.2



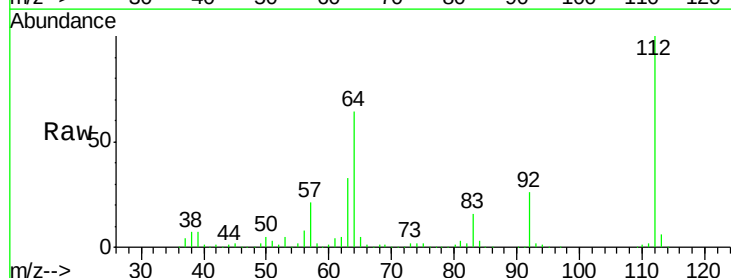
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



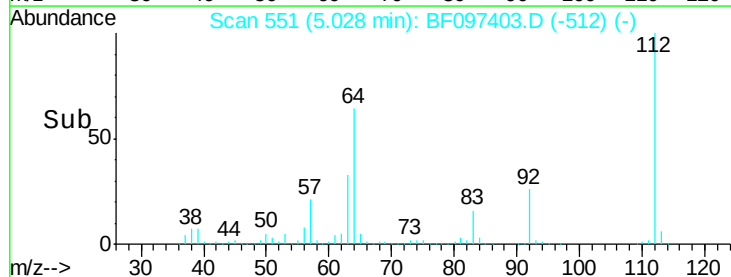
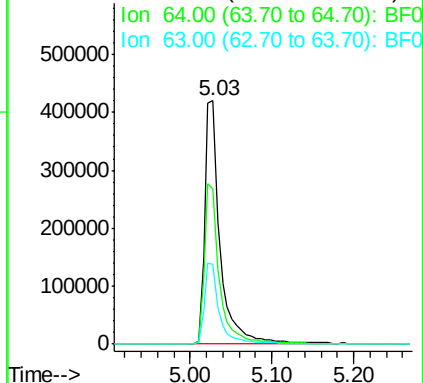
#5

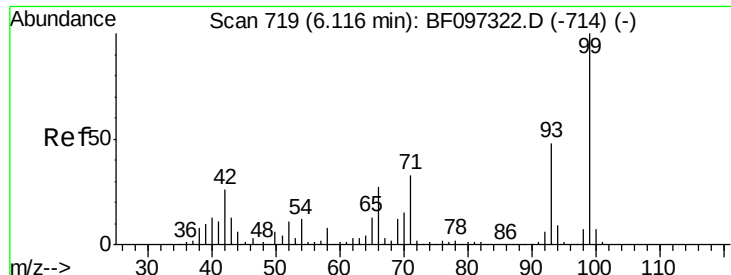
2-Fluorophenol
Concen: 86.68 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Tgt Ion:112 Resp: 557377
Ion Ratio Lower Upper
112 100
64 64.0 46.0 69.0
63 32.6 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: 104.38 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

Instrument :

BNA_F

ClientSampleId :

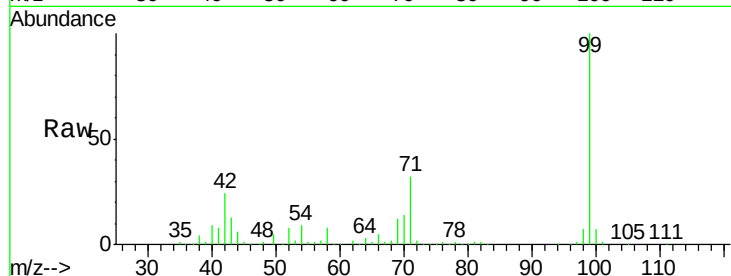
Tot Ion: 99 Resp: 766222

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

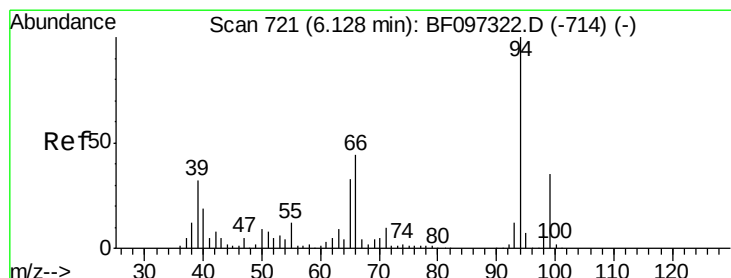
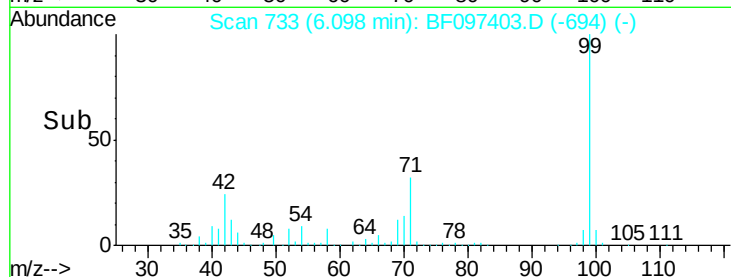
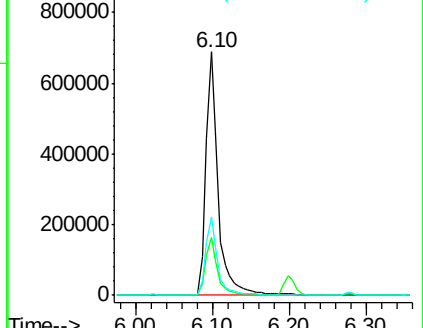
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.67 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.07 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

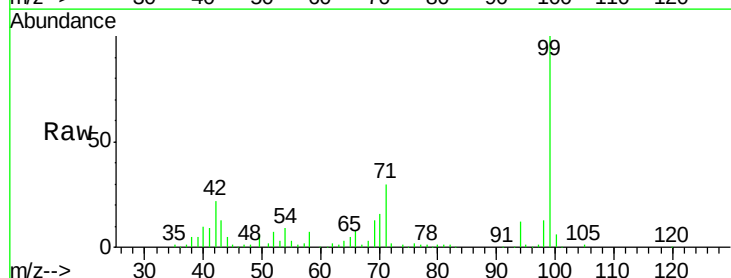
Tgt Ion: 94 Resp: 23268

Ion Ratio Lower Upper

94 100

65 39.4 9.9 49.9

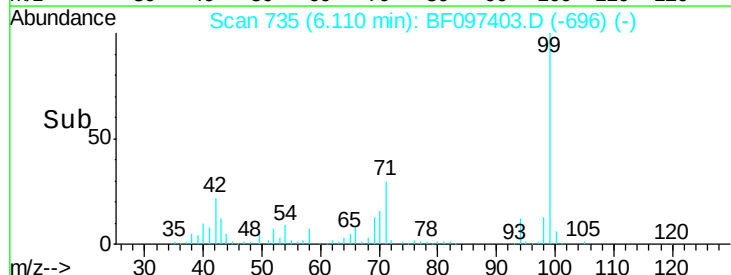
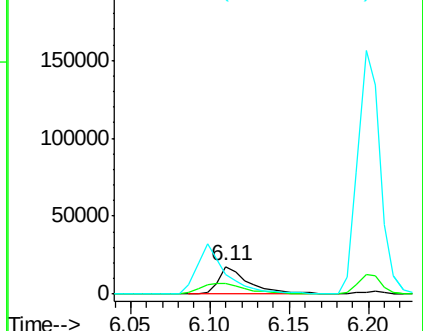
66 69.3 23.1 63.1#

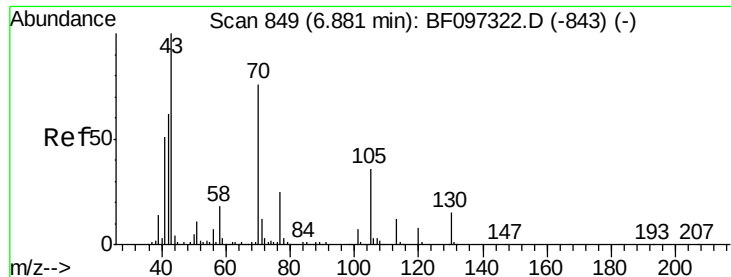


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

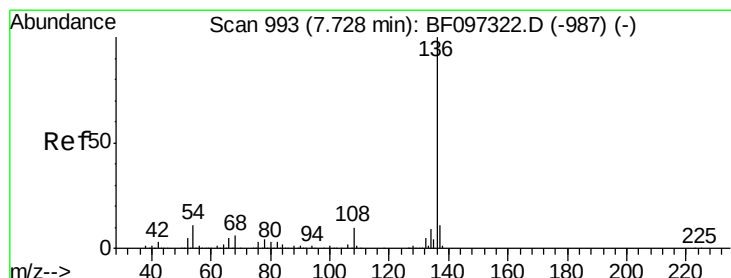
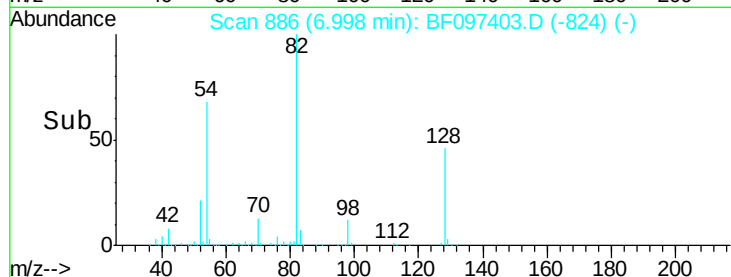
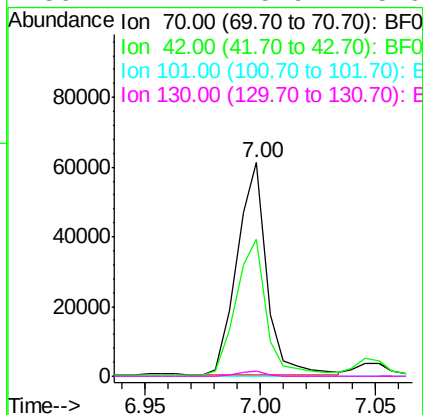
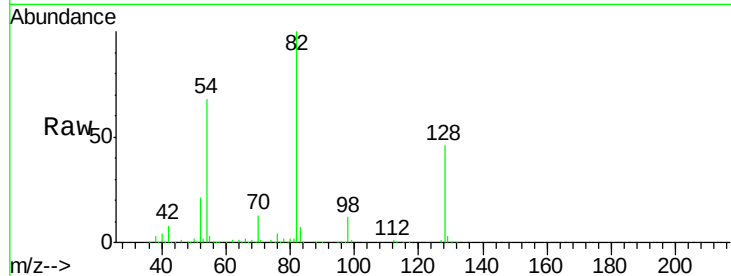




#19
n-Nitroso-di-n-propylamine
Concen: 11.33 ng
RT: 7.00 min Scan# 886
Delta R.T. 0.06 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

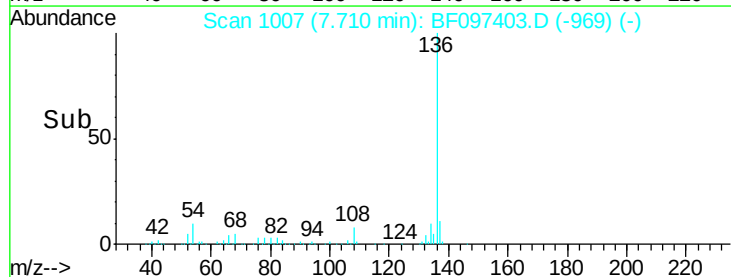
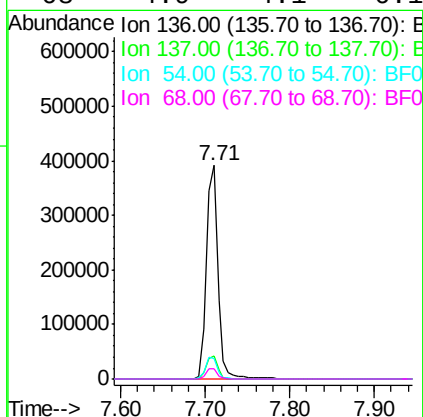
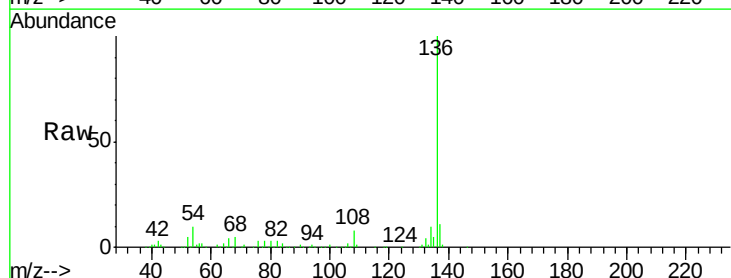
Instrument :
BNA_F
ClientSampleId :

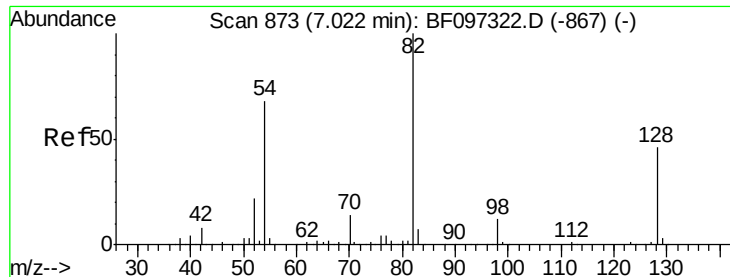
Tot Ion: 70 Resp: 54767
Ion Ratio Lower Upper
70 100
42 64.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Tgt Ion:136 Resp: 373083
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.6 4.9 7.3#
68 4.9 4.1 6.1

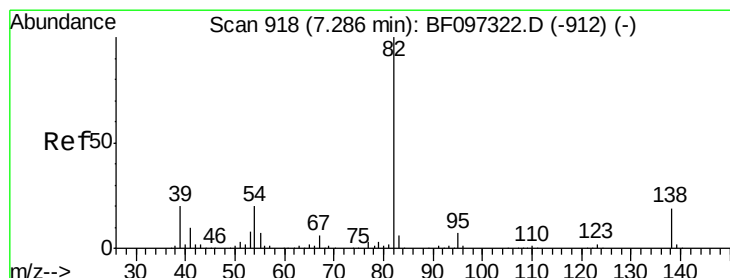
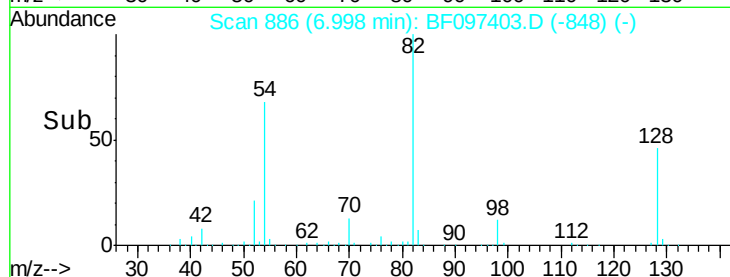
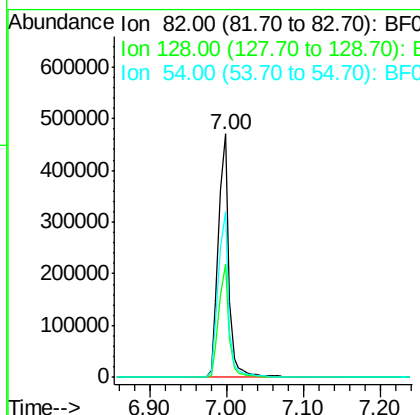
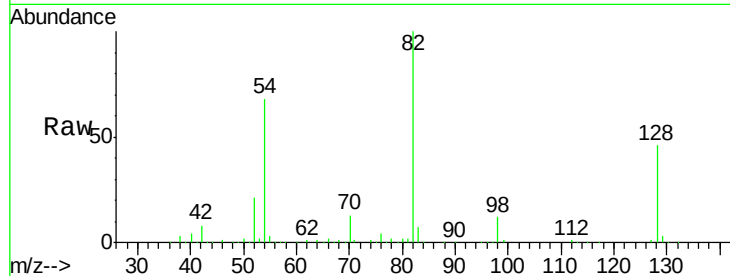




#23
 Nitrobenzene-d5
 Concen: 69.38 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.08 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

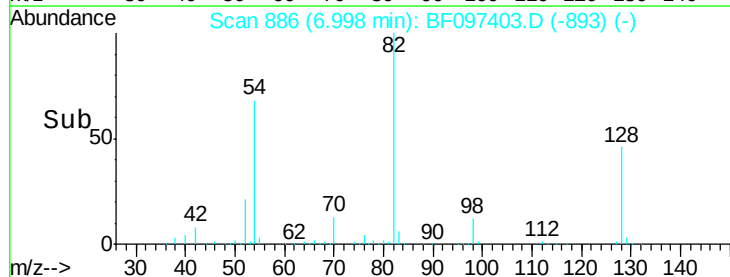
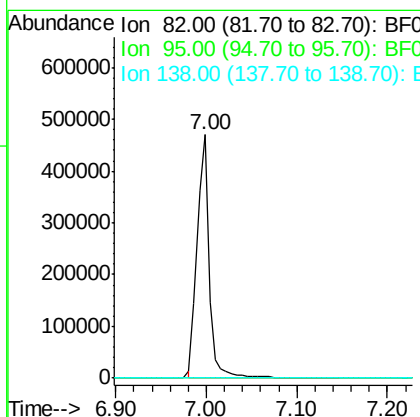
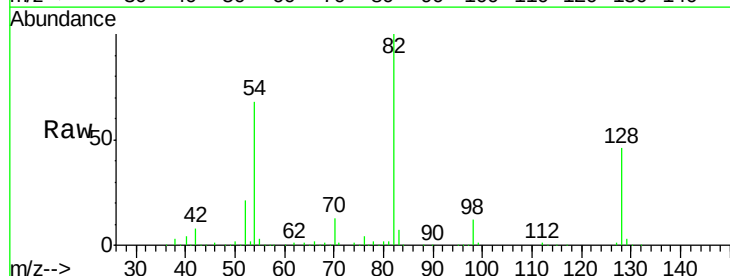
Instrument :
 BNA_F
 ClientSampleId :

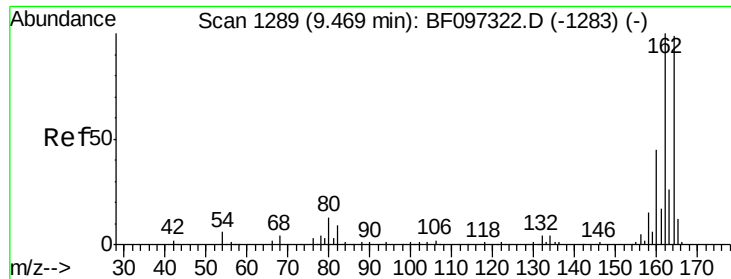
Tot Ion: 82 Resp: 441234
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.0 51.0
 54 68.1 42.2 63.2#



#25
 Isophorone
 Concen: 34.62 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.34 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

Tgt Ion: 82 Resp: 431200
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

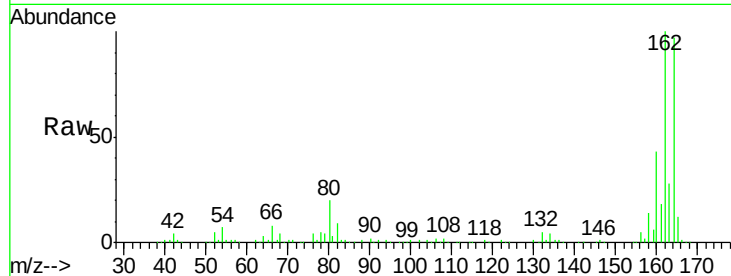




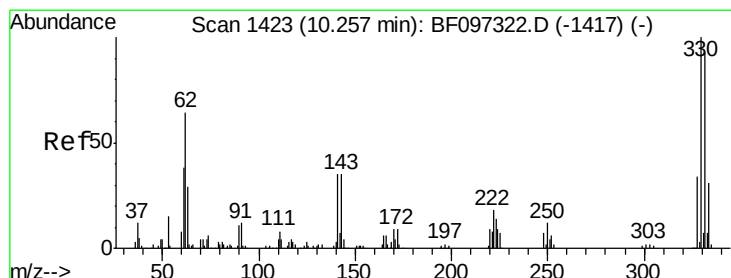
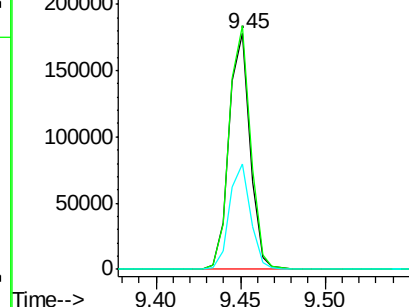
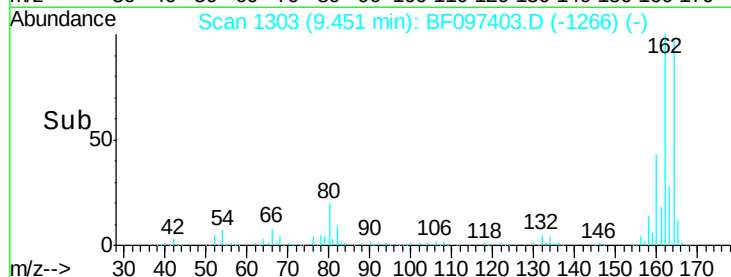
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.45 min Scan# 1303
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 154526
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 44.6 36.2 54.2

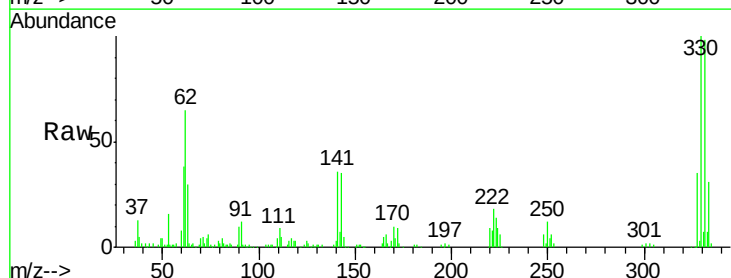


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

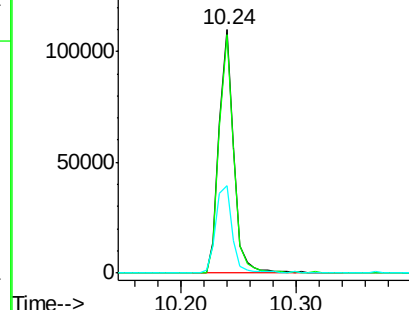
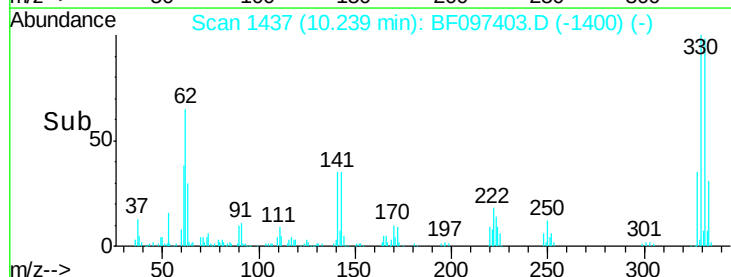


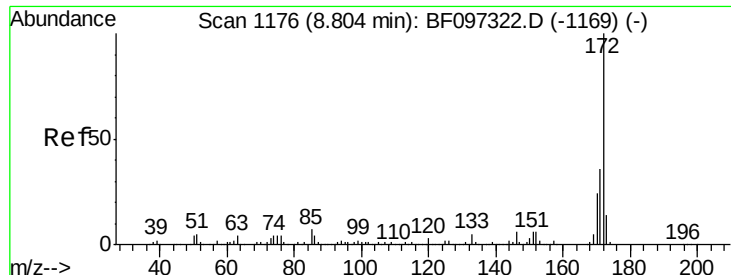
#41
2,4,6-Tribromophenol
Concen: 79.93 ng
RT: 10.24 min Scan# 1437
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Tgt Ion:330 Resp: 97591
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 40.3 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

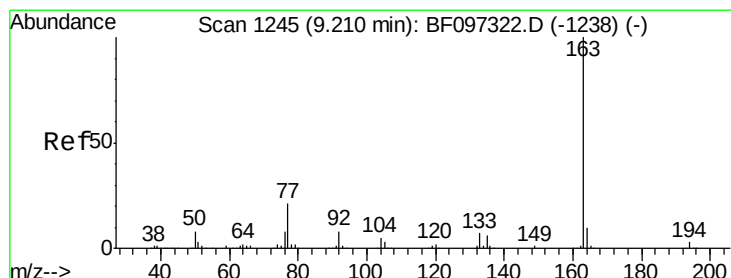
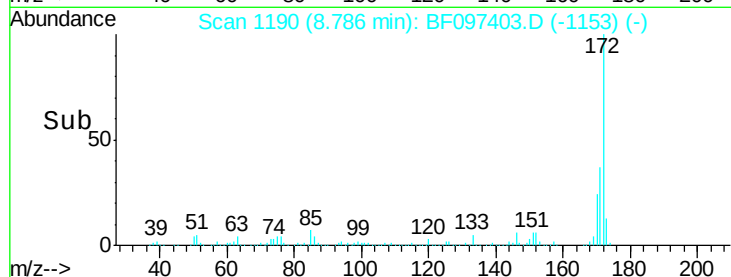
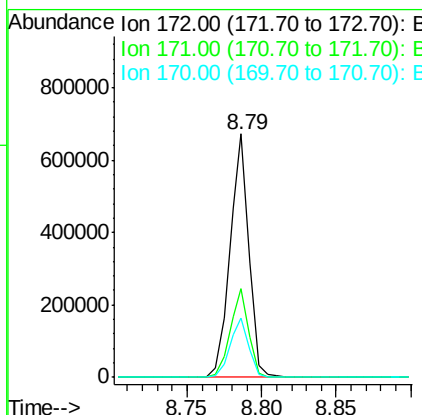
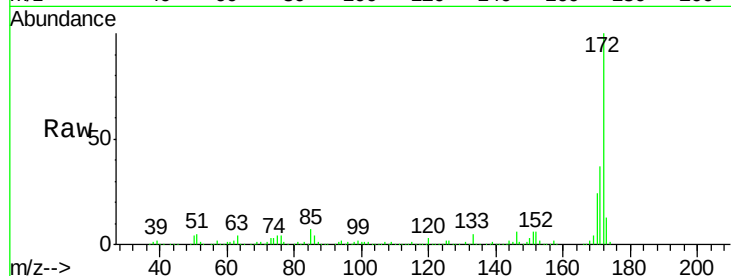




#44
2-Fluorobiphenyl
Concen: 65.97 ng
RT: 8.79 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

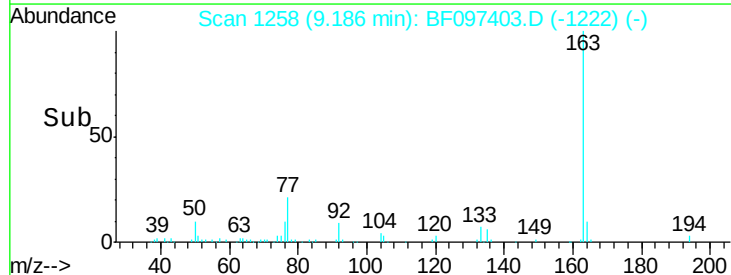
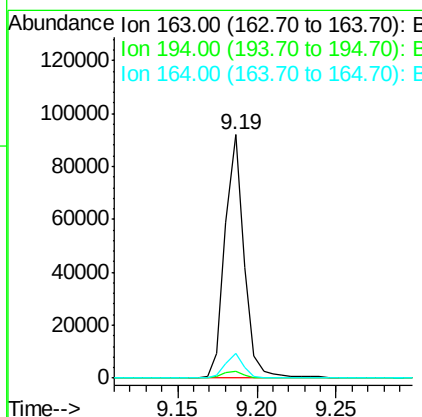
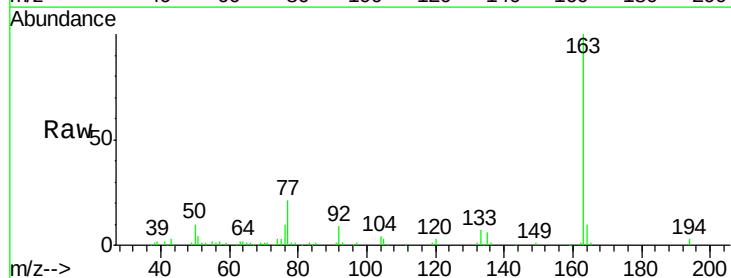
Instrument :
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ClientSampleId :

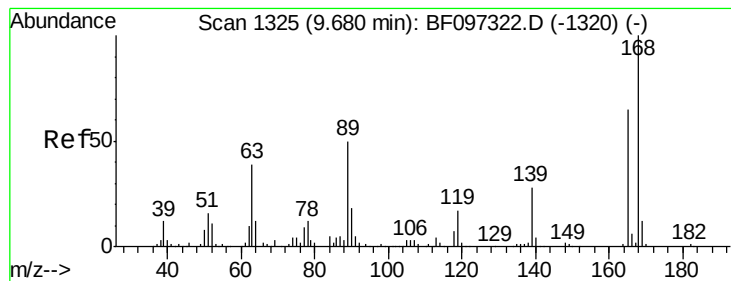
Tot Ion:172 Resp: 600690
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.2 19.8 29.8



#49
Dimethylphthalate
Concen: 6.58 ng
RT: 9.19 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Tgt Ion:163 Resp: 77162
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.1 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.87 ng

RT: 9.45 min Scan# 1303

Delta R.T. -0.28 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 19651

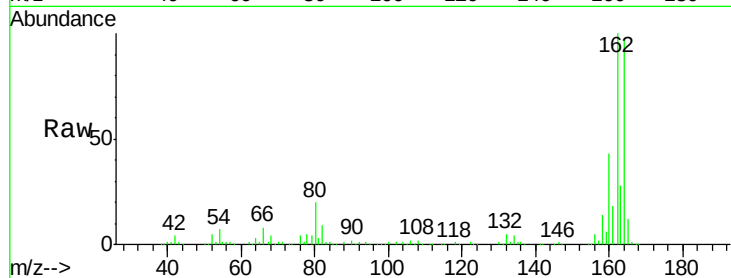
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

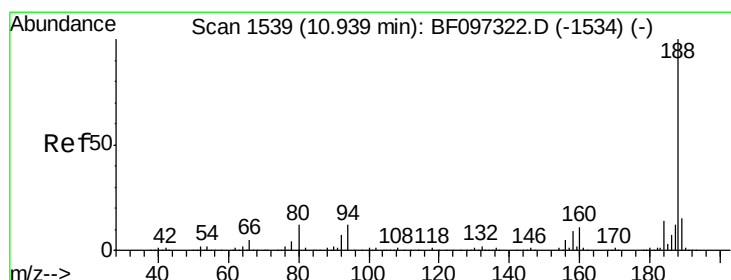
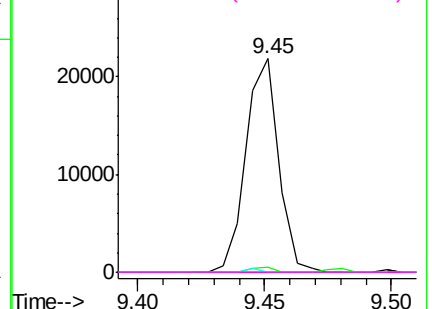
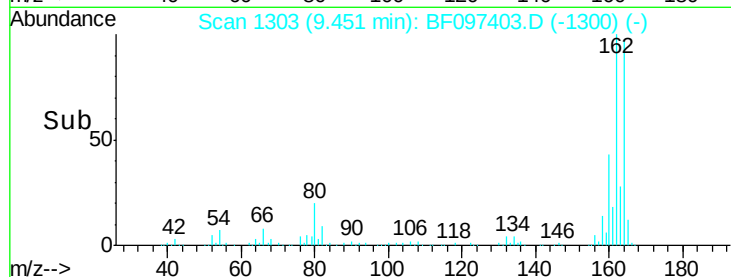


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.92 min Scan# 1553

Delta R.T. -0.08 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

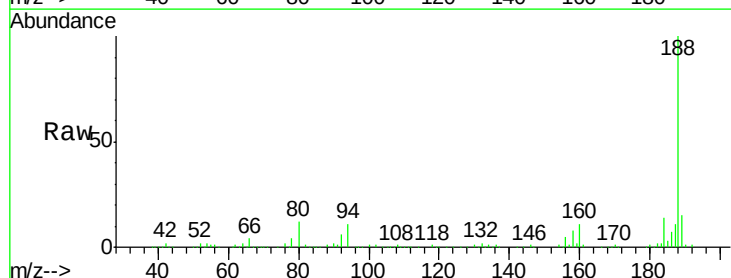
Tgt Ion:188 Resp: 204705

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

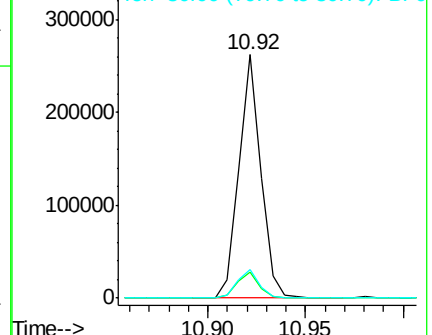
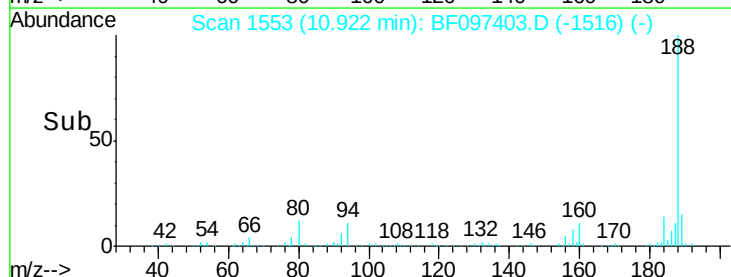
80 11.6 10.2 15.2

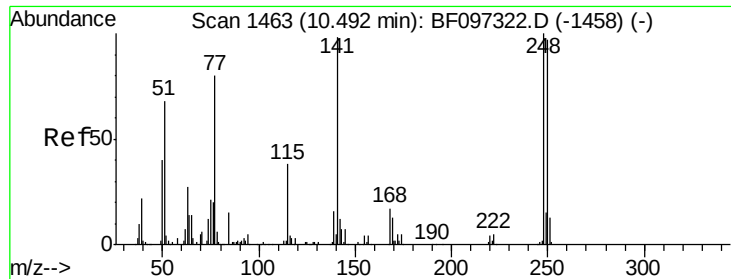


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

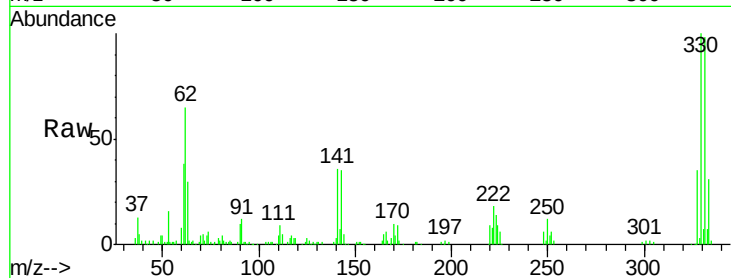




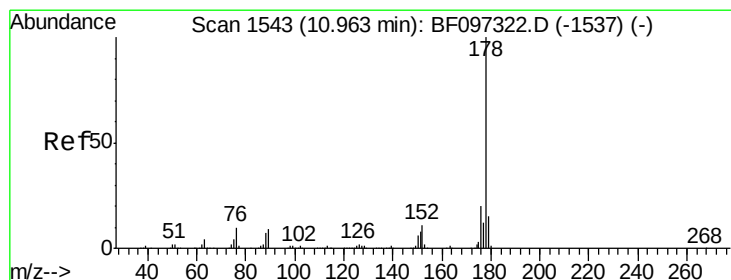
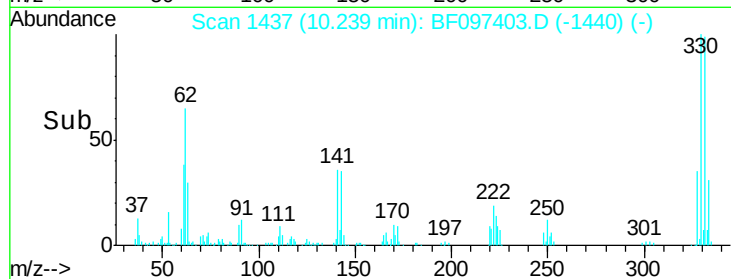
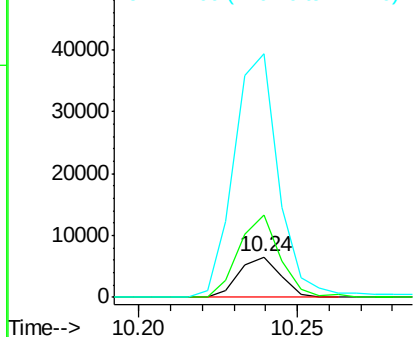
#66
 4-Bromophenyl-phenylether
 Concen: 2.88 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.32 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5876
 Ion Ratio Lower Upper
 248 100
 250 206.4 76.8 115.2#
 141 605.8 68.6 103.0#

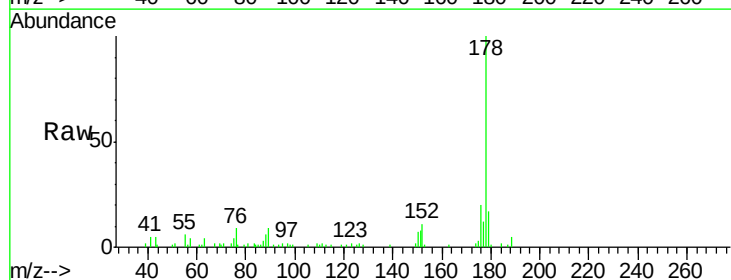


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

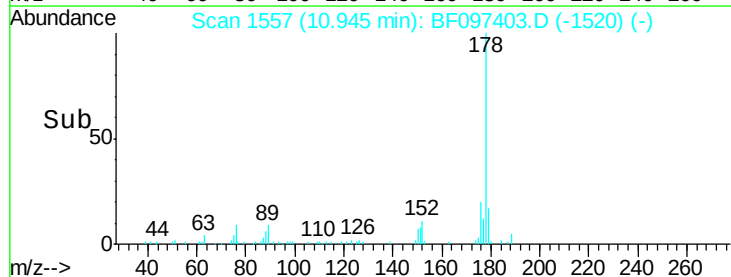
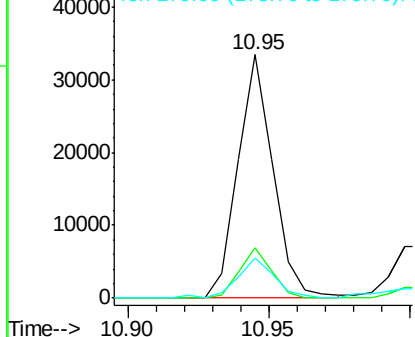


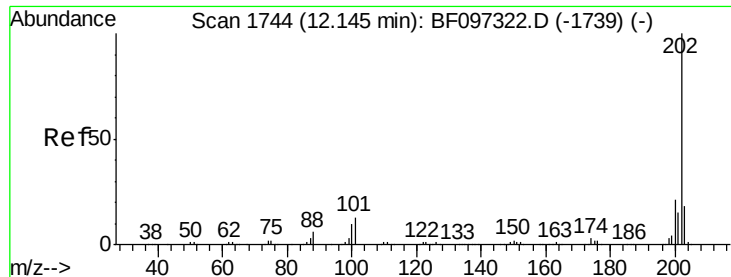
#70
 Phenanthrene
 Concen: 2.64 ng
 RT: 10.95 min Scan# 1557
 Delta R.T. -0.08 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

Tgt Ion:178 Resp: 28943
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 16.7 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

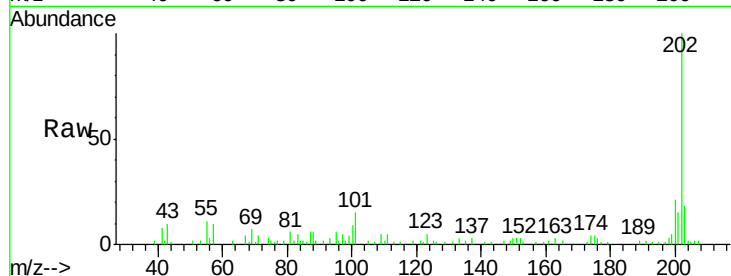




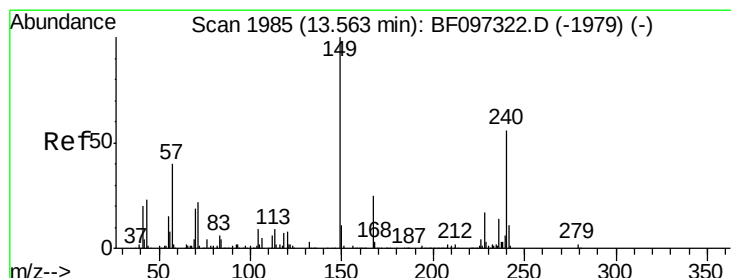
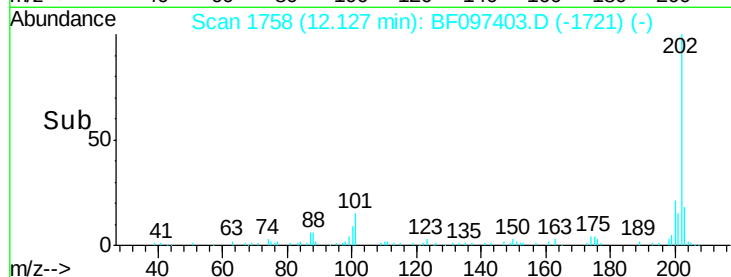
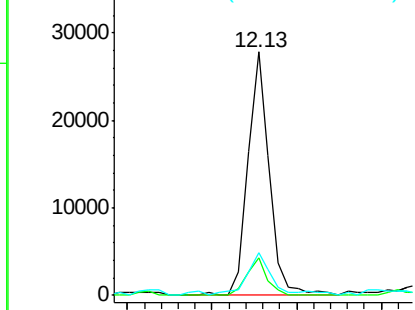
#74
Fluoranthene
Concen: 2.30 ng
RT: 12.13 min Scan# 1758
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	33.2
203	17.8	0.0	38.1

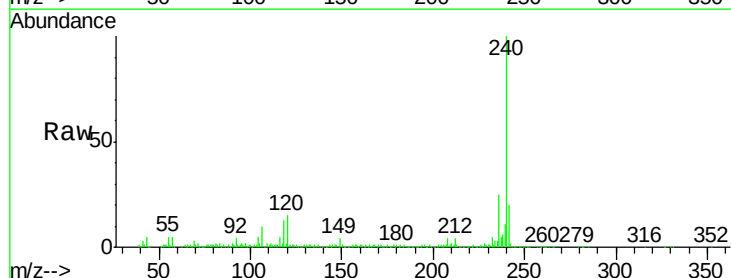


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

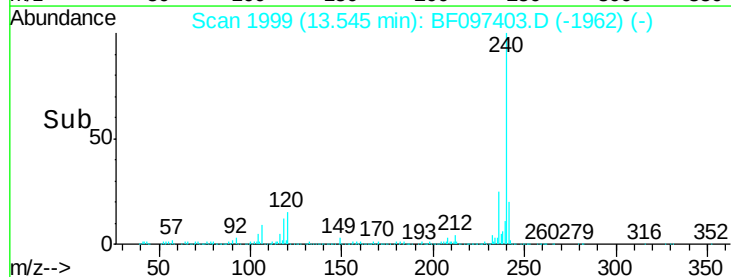
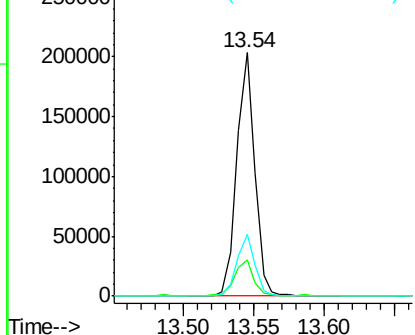


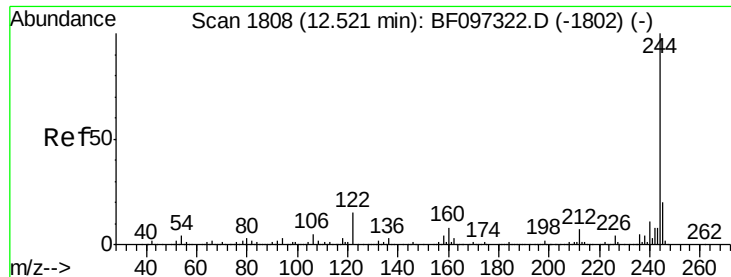
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.08 min
Lab File: BF097403.D
Acq: 5 Aug 2017 17:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.4	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

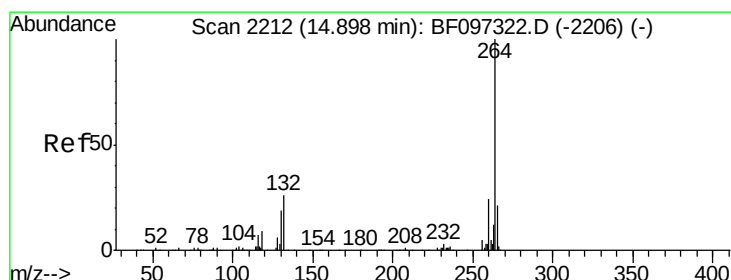
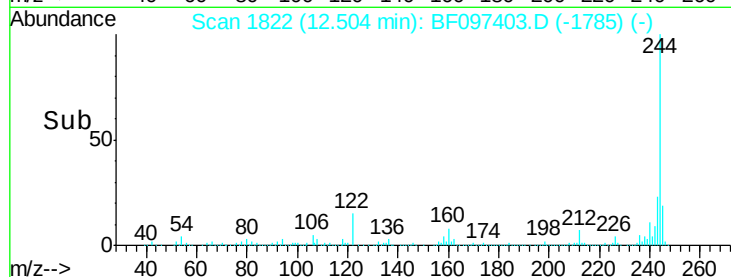
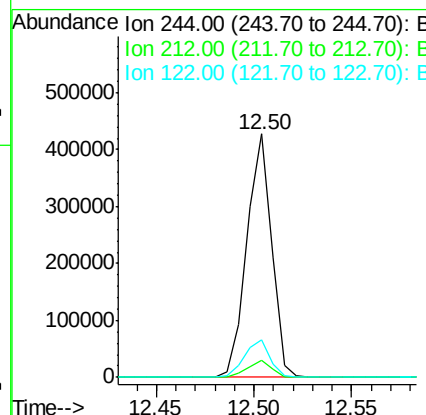
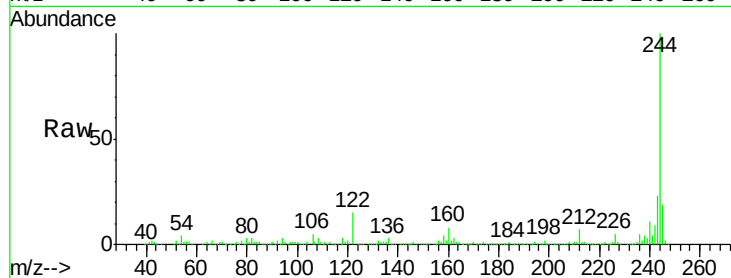




#78
 Terphenyl-d14
 Concen: 42.25 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

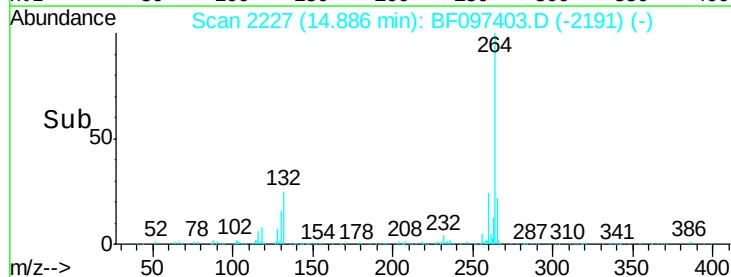
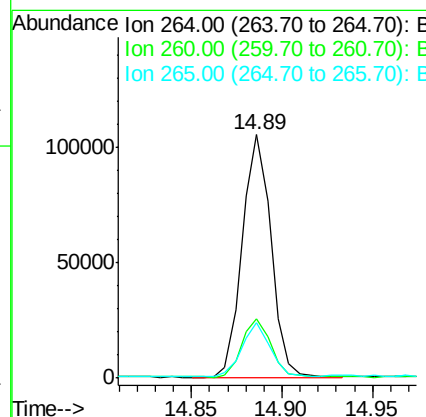
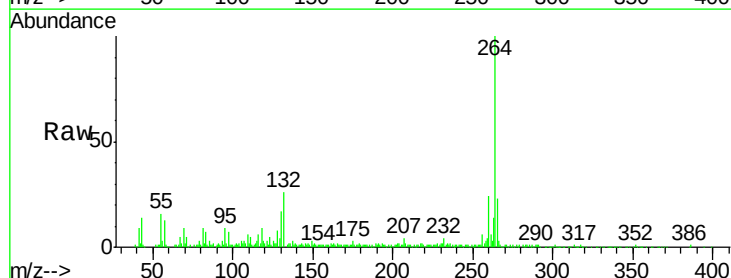
Instrument :
 BNA_F
 ClientSampled :

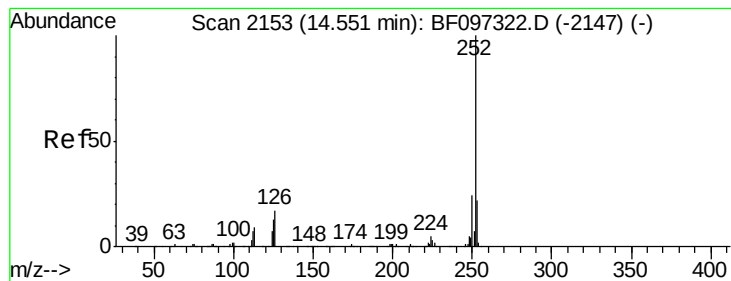
Tot Ion:244 Resp: 376145
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.3 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF097403.D
 Acq: 5 Aug 2017 17:59

Tgt Ion:264 Resp: 116130
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.11 ng

RT: 14.54 min Scan# 2168

Delta R.T. -0.08 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

Instrument :

BNA_F

ClientSampled :

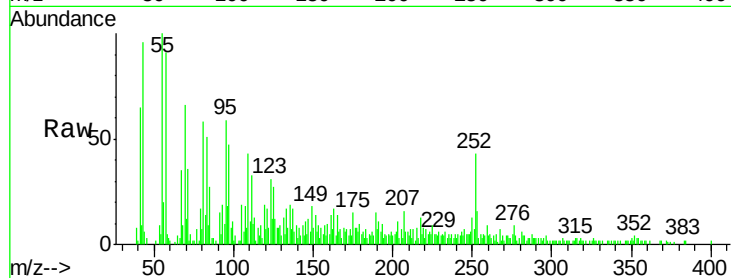
Tot Ion:252 Resp: 14725

Ion Ratio Lower Upper

252 100

253 37.8 18.1 27.1#

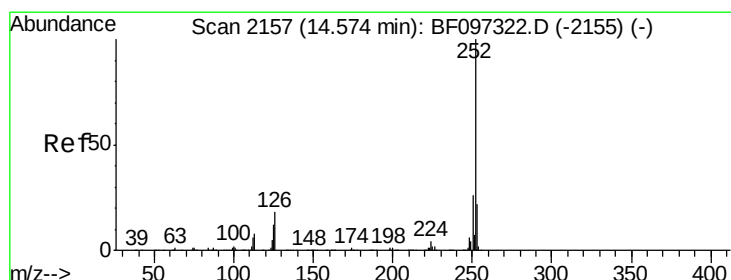
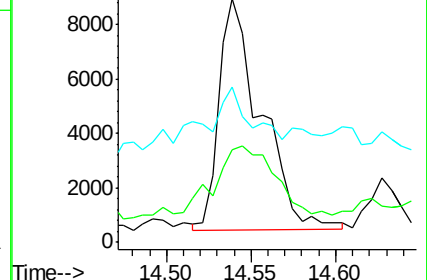
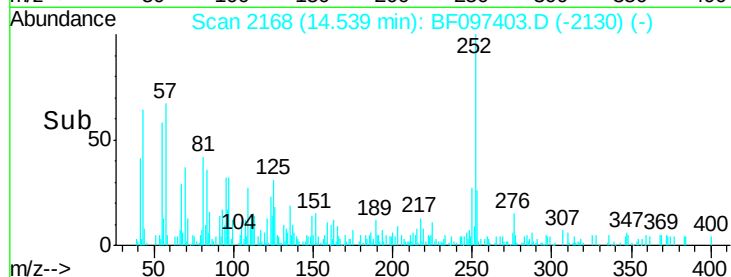
125 63.9 9.8 14.8#



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: 2.21 ng

RT: 14.54 min Scan# 2168

Delta R.T. -0.11 min

Lab File: BF097403.D

Acq: 5 Aug 2017 17:59

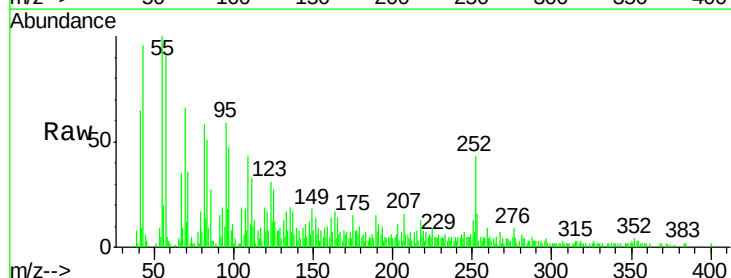
Tgt Ion:252 Resp: 14714

Ion Ratio Lower Upper

252 100

253 37.8 18.4 27.6#

125 63.9 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

