

Data Path : Z:\HPCHEM1\BNA_F\Data\BF061917\
 Data File : BF096039.D
 Acq On : 20 Jun 2017 11:11
 Operator : SJ/MA
 Sample : I3688-12 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G15-0-1.5

Quant Time: Jun 20 13:58:27 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

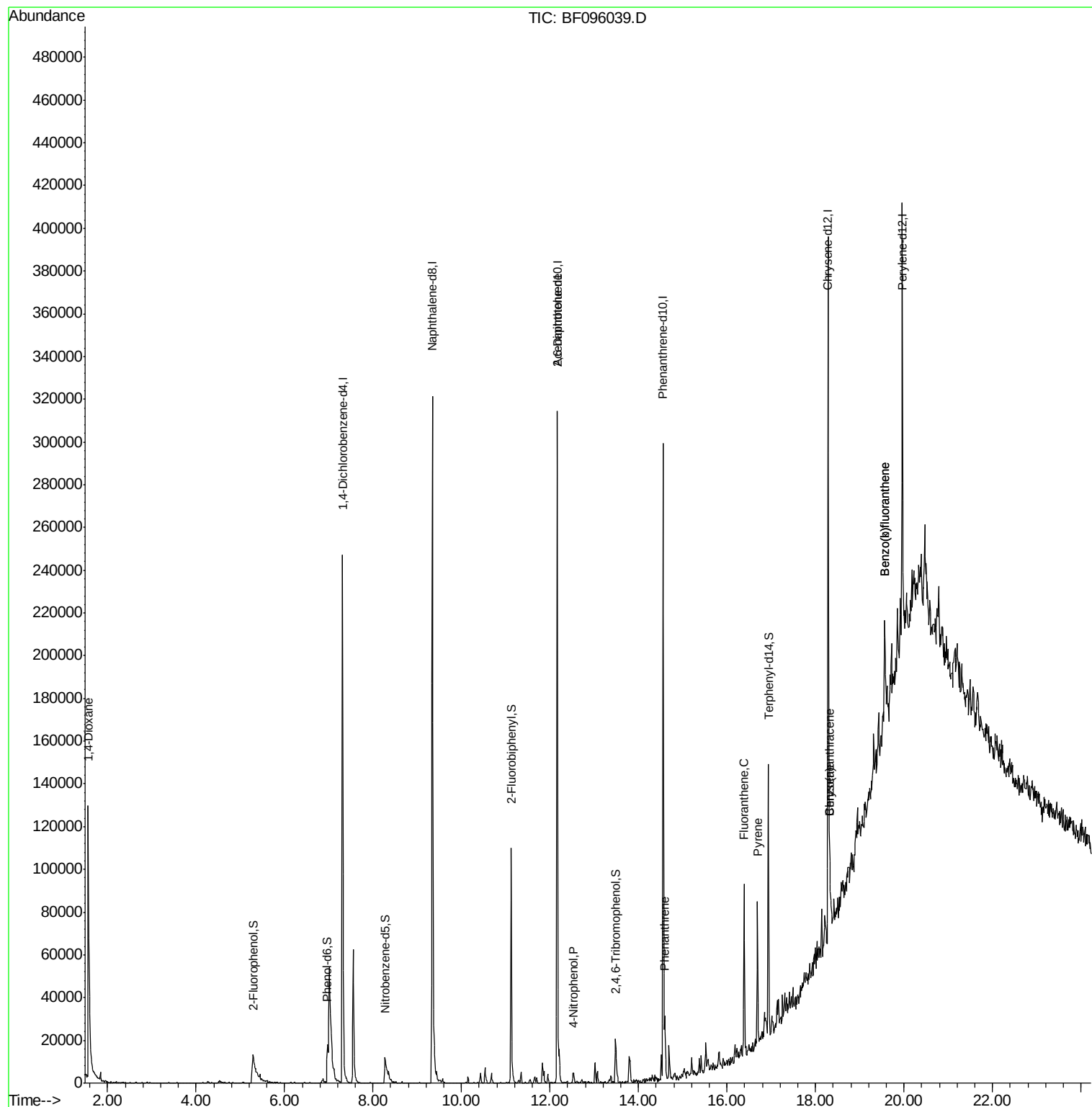
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	66954	20.00	ng	-0.01
21) Naphthalene-d8	9.34	136	249215	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	96344	20.00	ng	-0.02
63) Phenanthrene-d10	14.56	188	161670	20.00	ng	-0.01
75) Chrysene-d12	18.29	240	126749	20.00	ng	-0.01
86) Perylene-d12	19.96	264	90567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	26161	6.23	ng	0.07
7) Phenol-d6	6.96	99	38632	7.68	ng	0.05
23) Nitrobenzene-d5	8.27	82	19004	4.74	ng	0.02
41) 2,4,6-Tribromophenol	13.49	330	6503	7.63	ng	0.00
44) 2-Fluorobiphenyl	11.12	172	56872	8.21	ng	-0.02
78) Terphenyl-d14	16.93	244	44929	8.80	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.56	88	5561	2.782	ng	# 24
50) 2,6-Dinitrotoluene	12.16	165	11927	7.475	ng	# 31
55) 4-Nitrophenol	12.53	139	1721	6.121	ng	# 25
70) Phenanthrene	14.60	178	21142	2.266	ng	93
74) Fluoranthene	16.39	202	40962	4.437	ng	99
77) Pyrene	16.69	202	32505	3.437	ng	# 90
80) Benzo(a)anthracene	18.32	228	20460	2.776	ng	96
82) Chrysene	18.32	228	20460	2.778	ng	95
87) Benzo(b)fluoranthene	19.56	252	27395	4.831	ng	# 79
88) Benzo(k)fluoranthene	19.56	252	27395	5.054	ng	# 84

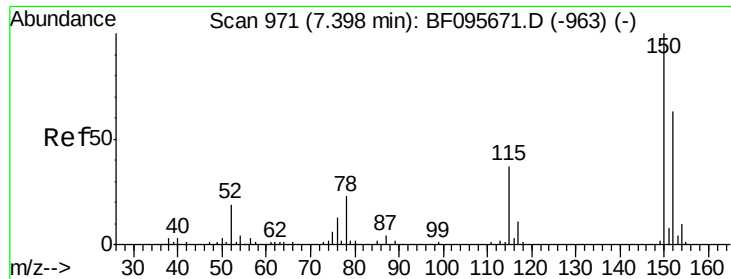
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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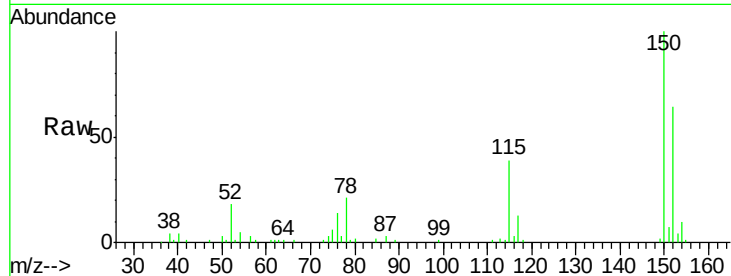


#1

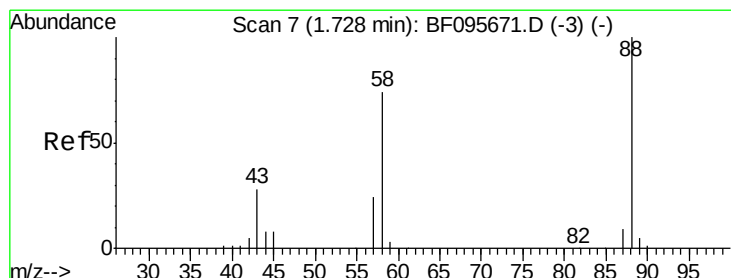
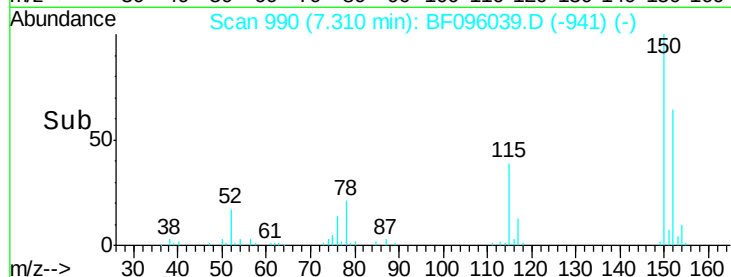
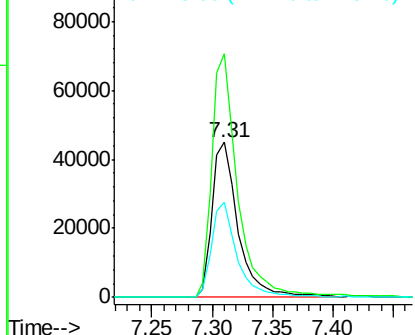
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.31 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Instrument :
BNA_F
ClientSampleId :
G15-0-1.5

Tgt Ion:152 Resp: 66954
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 61.5 52.2 78.2



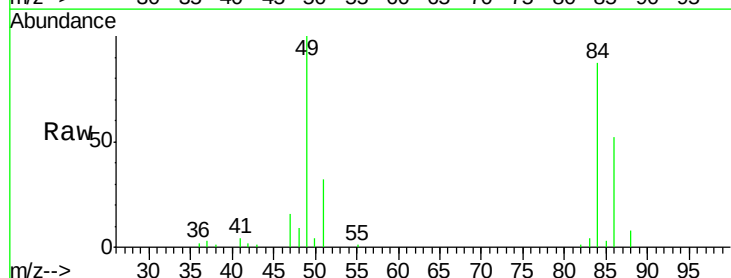
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



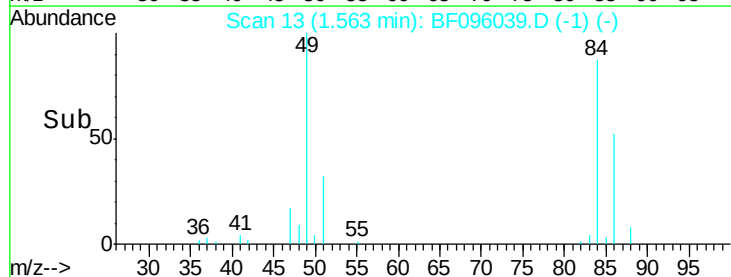
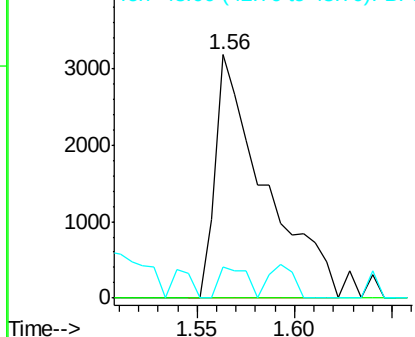
#2

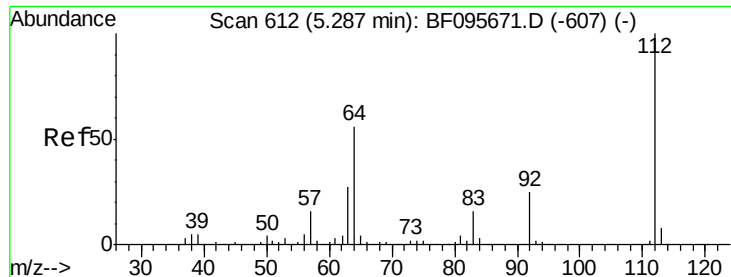
1,4-Dioxane
Concen: 2.782 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.07 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Tgt Ion: 88 Resp: 5561
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 7.1 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 6.226 ng

RT: 5.29 min Scan# 646

Delta R.T. 0.07 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

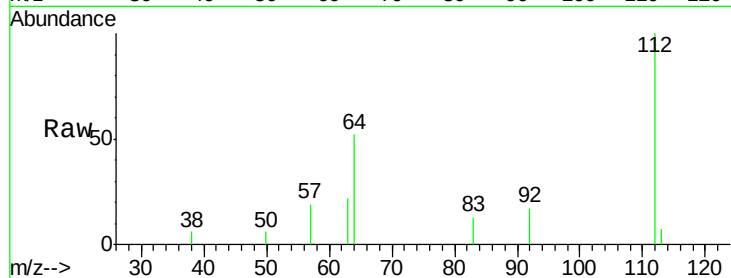
Instrument :

BNA_F

ClientSampleId :

G15-0-1.5

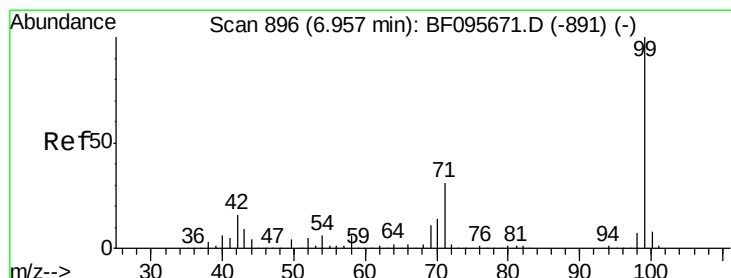
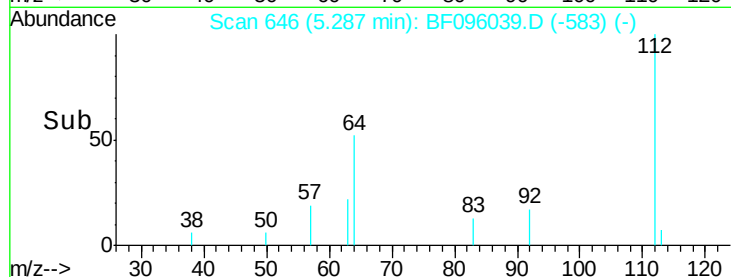
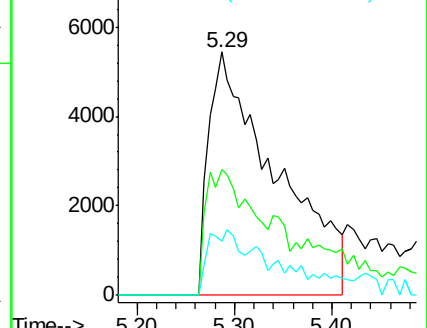
Tgt Ion:	112	Resp:	26161
Ion	Ratio	Lower	Upper
112	100		
64	51.9	46.0	69.0
63	22.3	23.4	35.0#



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: 7.680 ng

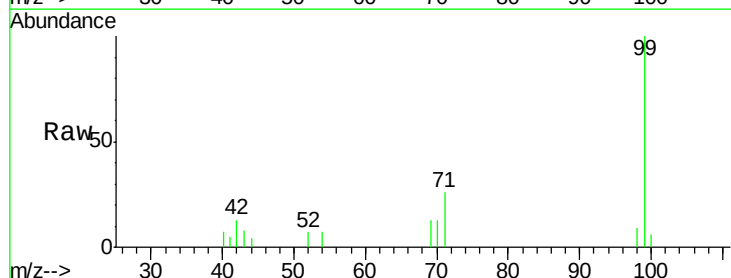
RT: 6.96 min Scan# 931

Delta R.T. 0.05 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

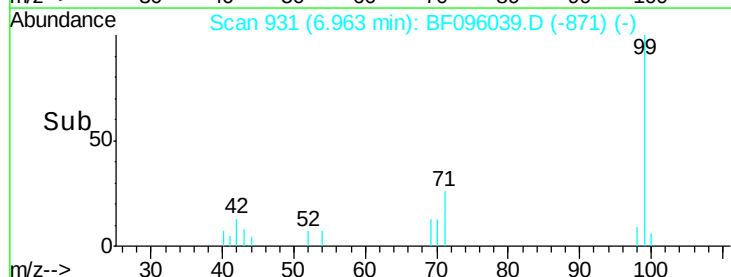
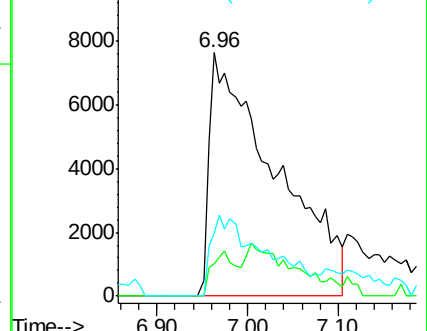
Tgt Ion:	99	Resp:	38632
Ion	Ratio	Lower	Upper
99	100		
42	13.3	13.5	20.3#
71	26.1	24.5	36.7

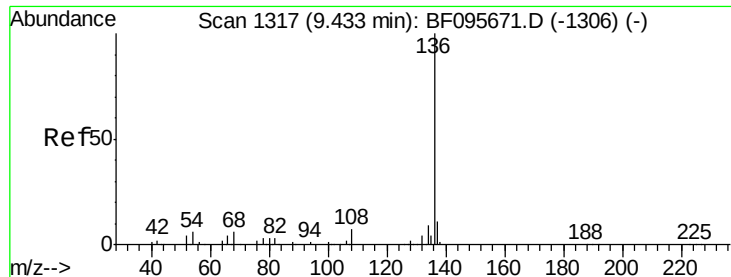


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

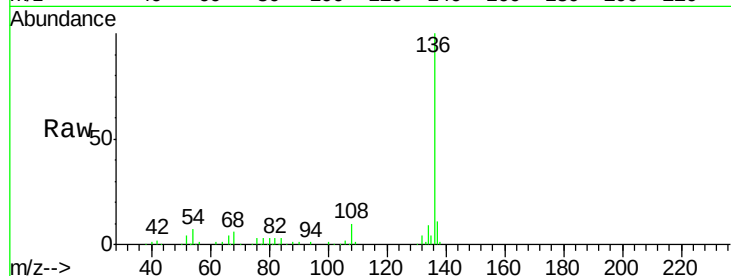




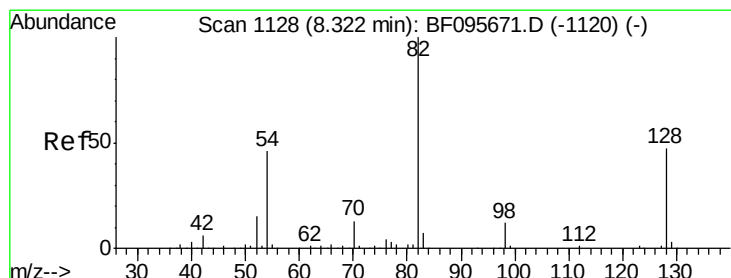
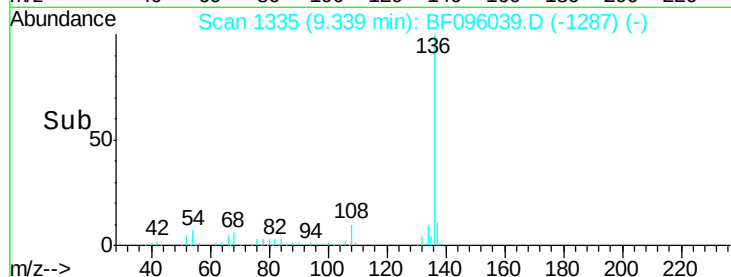
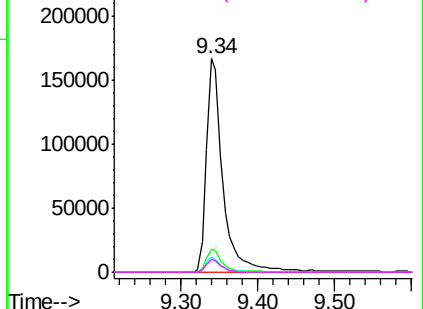
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.34 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Instrument :
BNA_F
ClientSampleId :
G15-0-1.5

Tgt Ion:	136	Resp:	249215
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.4	4.9	7.3#
68	6.2	4.1	6.1#

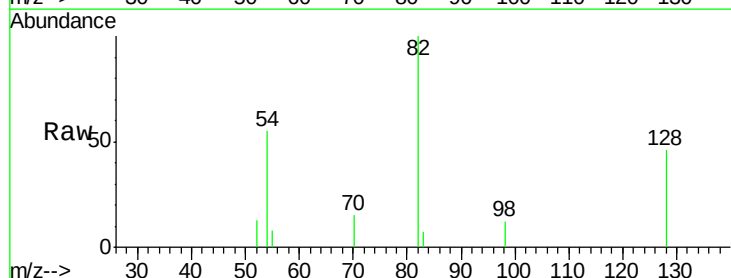


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

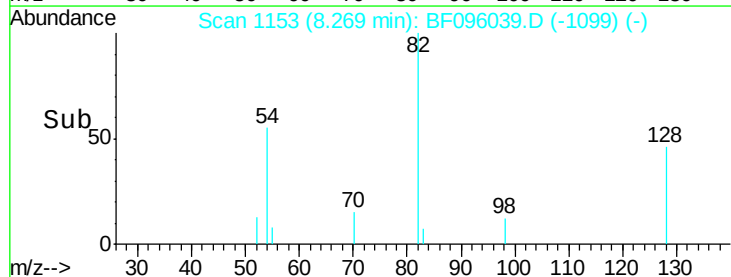
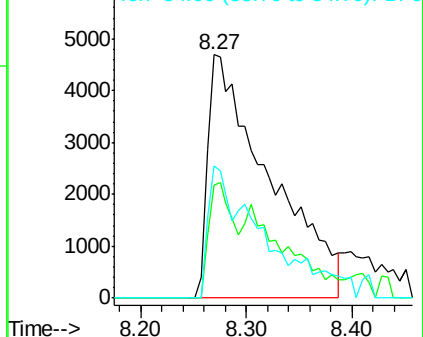


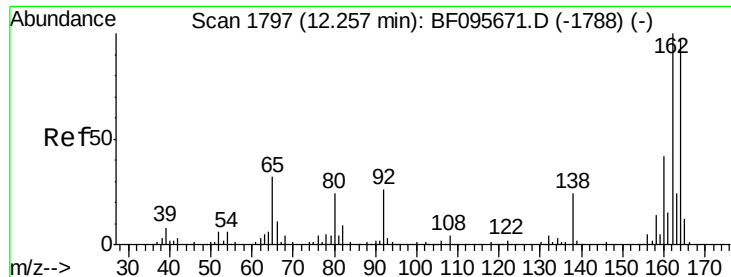
#23
Nitrobenzene-d5
Concen: 4.736 ng
RT: 8.27 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Tgt Ion:	82	Resp:	19004
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	54.5	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.16 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Instrument :

BNA_F

ClientSampleId :

G15-0-1.5

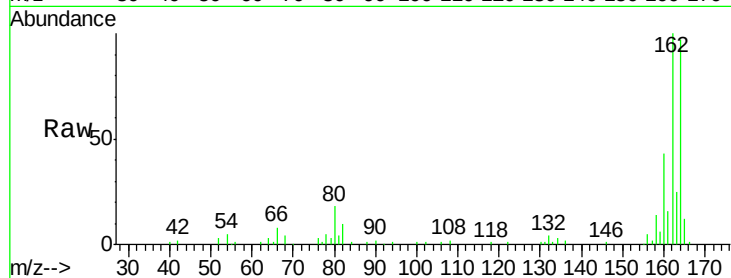
Tgt Ion:164 Resp: 96344

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

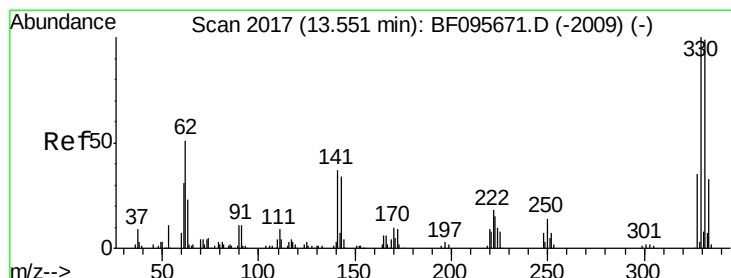
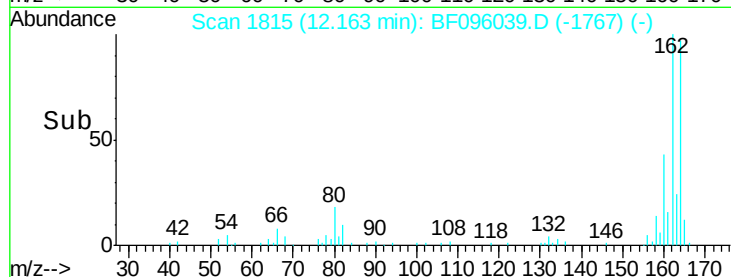
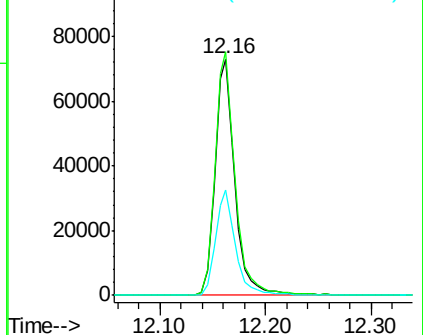
160 44.7 36.2 54.2



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: 7.629 ng

RT: 13.49 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

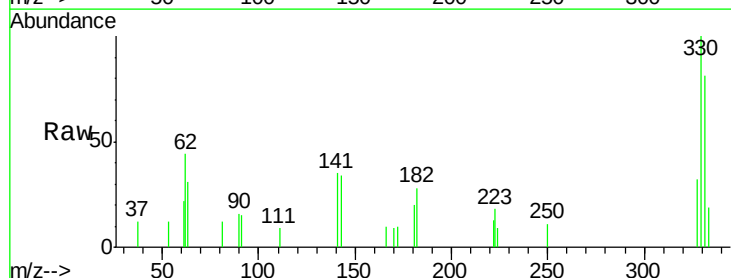
Tgt Ion:330 Resp: 6503

Ion Ratio Lower Upper

330 100

332 92.7 76.6 115.0

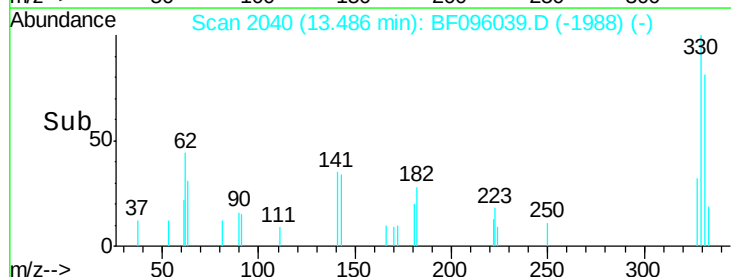
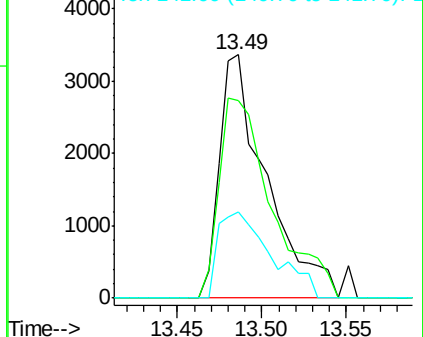
141 40.4 31.4 47.2

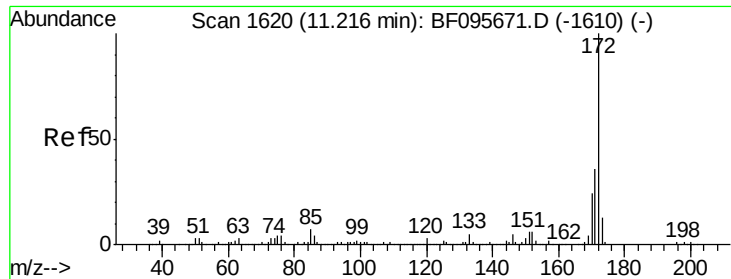


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

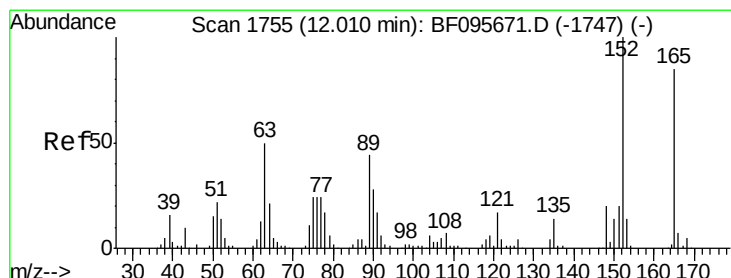
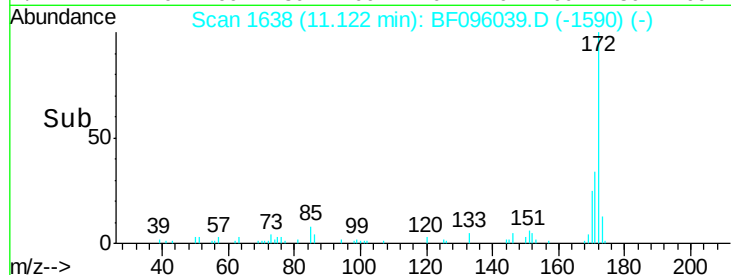
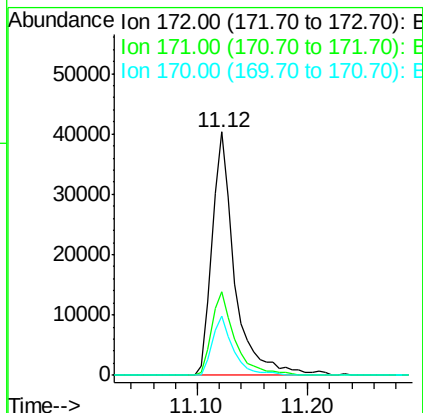
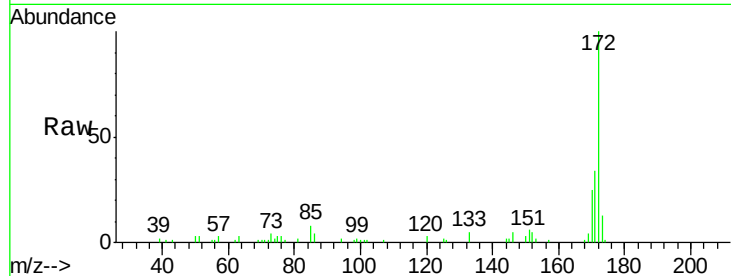




#44
2-Fluorobiphenyl
Concen: 8.214 ng
RT: 11.12 min Scan# 1638
Delta R.T. -0.02 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

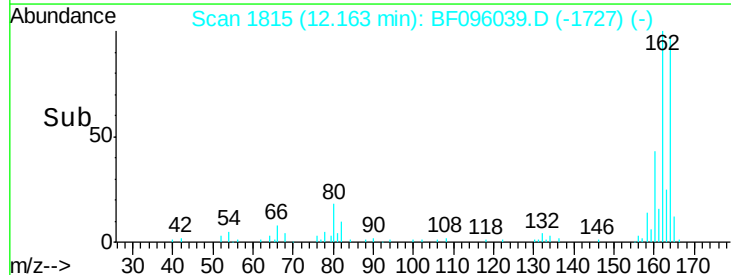
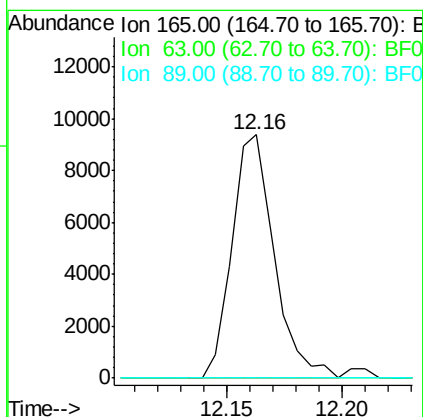
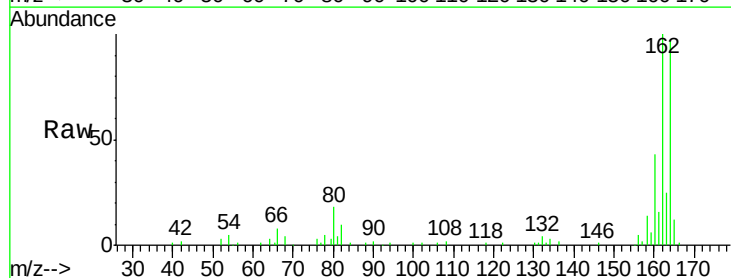
Instrument :
BNA_F
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G15-0-1.5

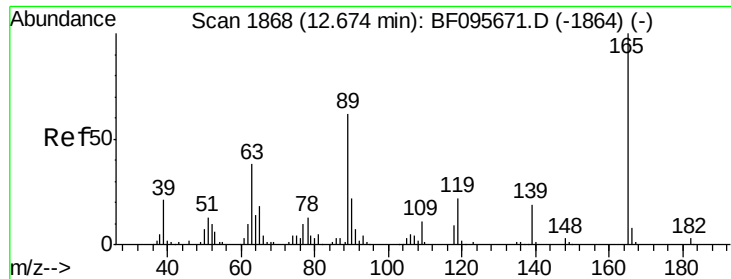
Tgt Ion:172 Resp: 56872
Ion Ratio Lower Upper
172 100
171 34.3 29.6 44.4
170 24.5 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.475 ng
RT: 12.16 min Scan# 1815
Delta R.T. 0.22 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Tgt Ion:165 Resp: 11927
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

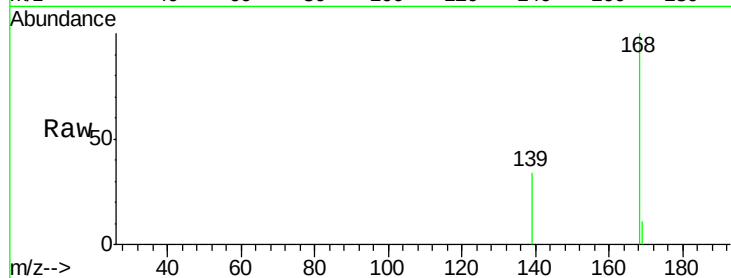




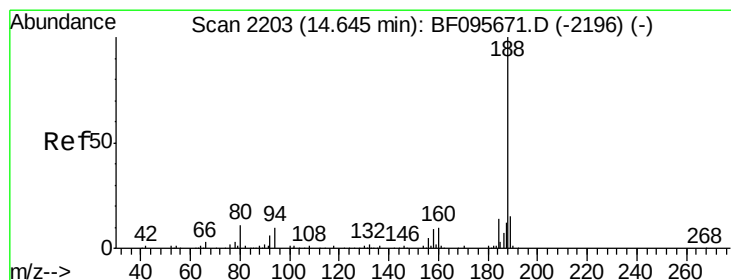
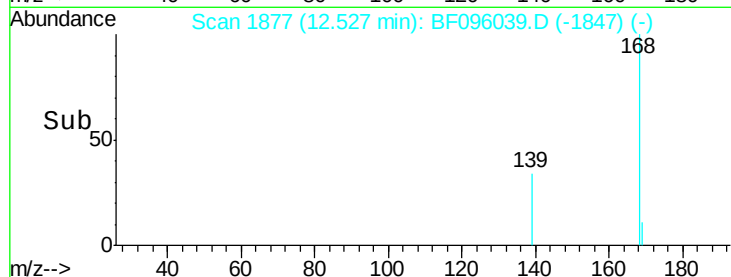
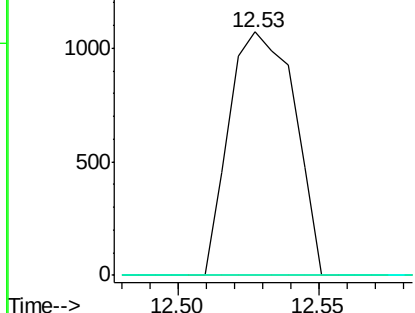
#55
4-Nitrophenol
Concen: 6.121 ng
RT: 12.53 min Scan# 1877
Delta R.T. -0.12 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Instrument :
BNA_F
ClientSampled :
G15-0-1.5

Tgt Ion:139 Resp: 1721
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

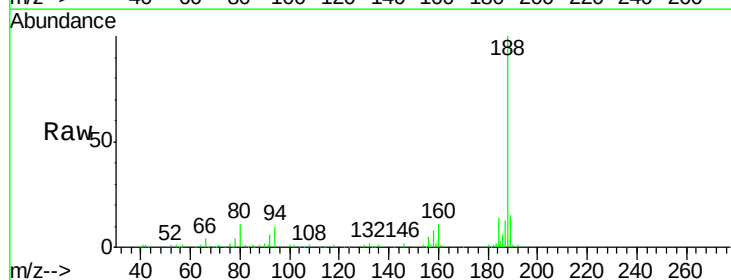


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

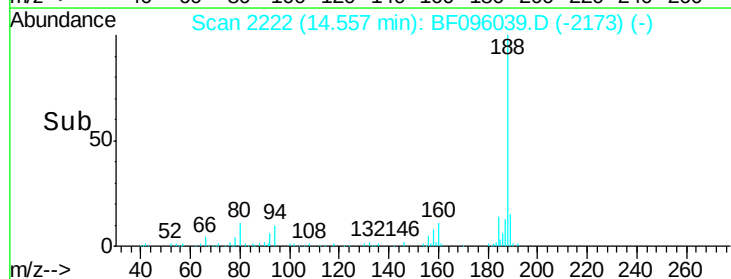
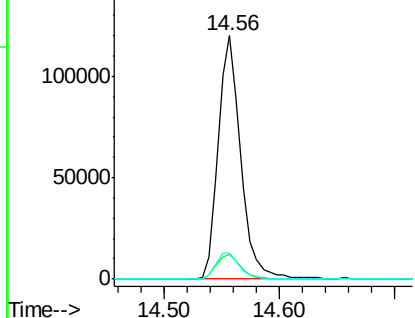


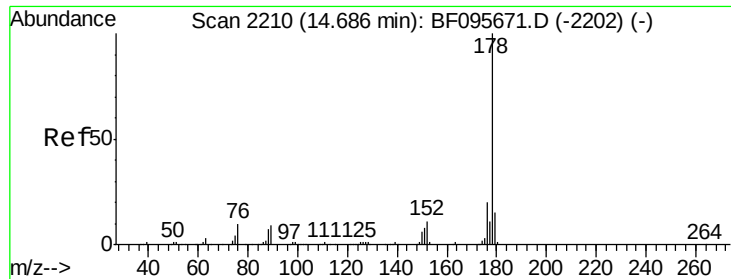
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF096039.D
Acq: 20 Jun 2017 11:11

Tgt Ion:188 Resp: 161670
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.9 10.2 15.2



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





#70

Phenanthrene

Concen: 2.266 ng

RT: 14.60 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Instrument :

BNA_F

ClientSampleId :

G15-0-1.5

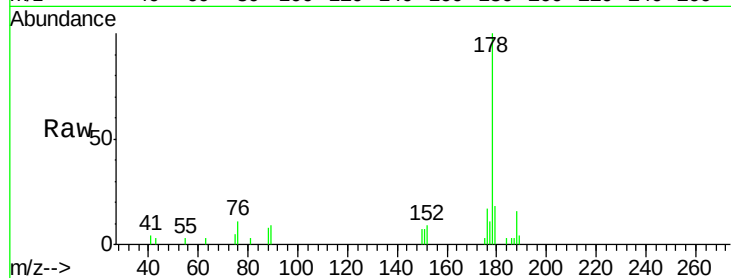
Tgt Ion:178 Resp: 21142

Ion Ratio Lower Upper

178 100

176 16.6 16.2 24.4

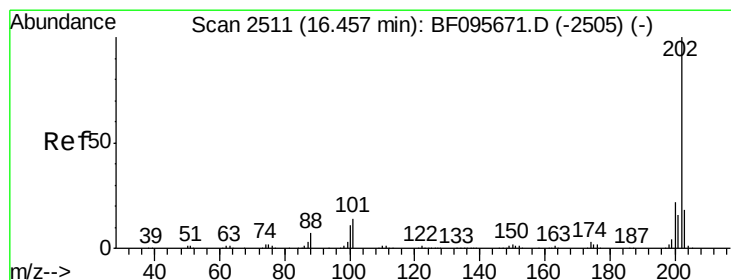
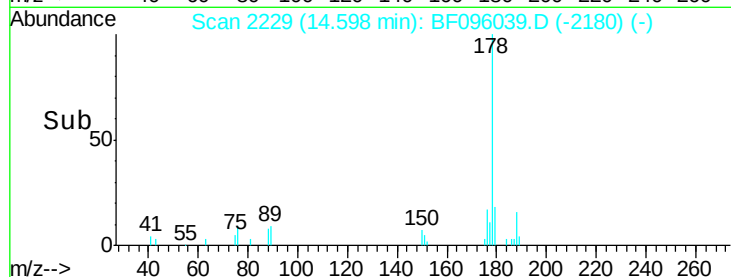
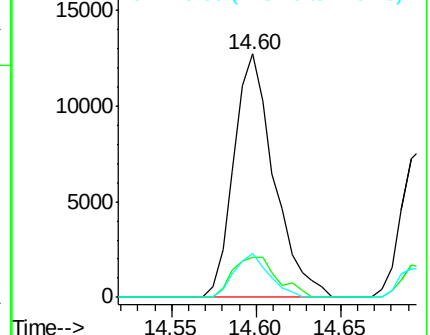
179 18.1 12.6 19.0



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



#74

Fluoranthene

Concen: 4.437 ng

RT: 16.39 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

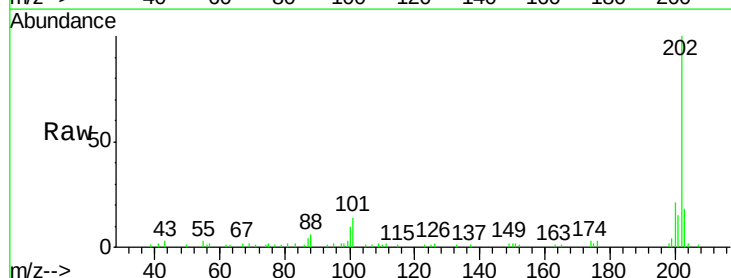
Tgt Ion:202 Resp: 40962

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

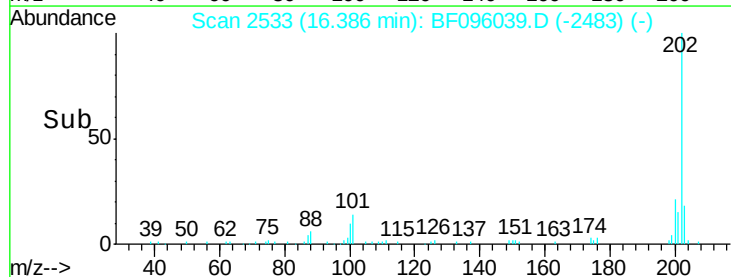
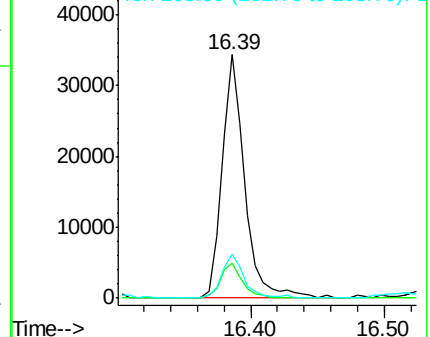
203 18.2 0.0 38.1

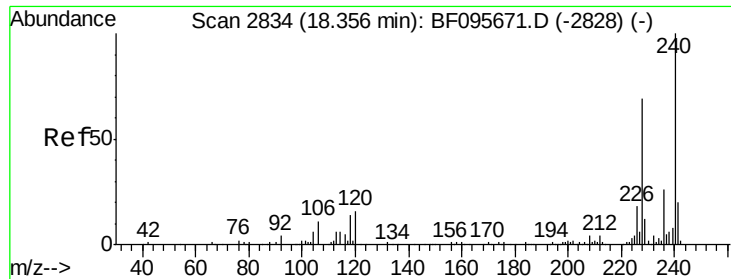


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

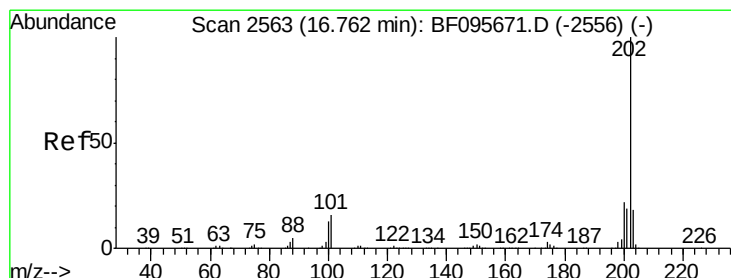
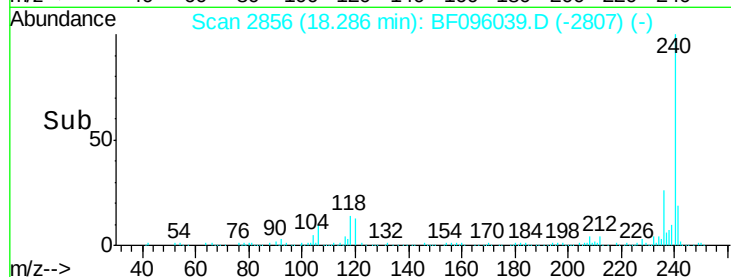
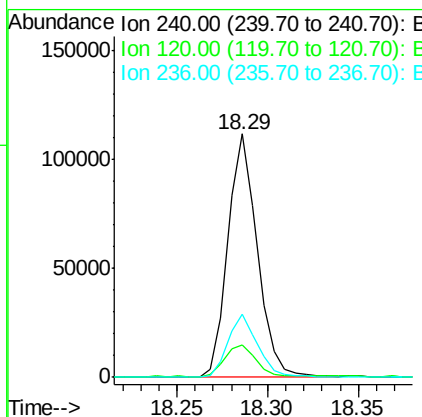
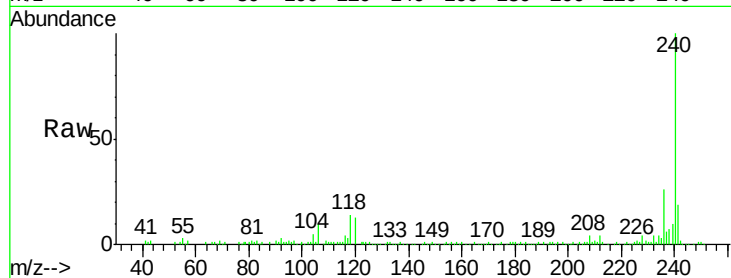




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.29 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BF096039.D
 Acq: 20 Jun 2017 11:11

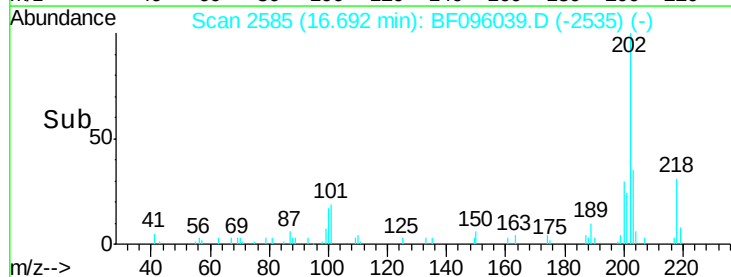
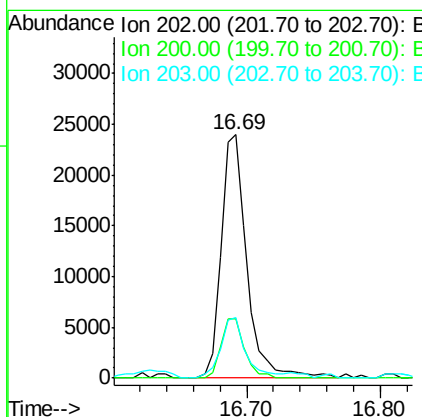
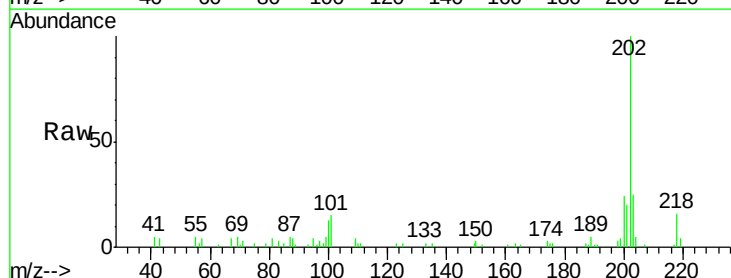
Instrument :
 BNA_F
 ClientSampled :
 G15-0-1.5

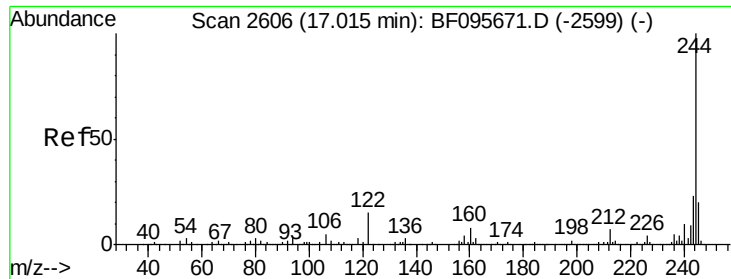
Tgt Ion: 240 Resp: 126749
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.8 8.8#
 236 25.9 20.5 30.7



#77
 Pyrene
 Concen: 3.437 ng
 RT: 16.69 min Scan# 2585
 Delta R.T. -0.01 min
 Lab File: BF096039.D
 Acq: 20 Jun 2017 11:11

Tgt Ion: 202 Resp: 32505
 Ion Ratio Lower Upper
 202 100
 200 24.5 17.6 26.4
 203 24.9 14.4 21.6#





#78

Terphenyl-d14

Concen: 8.797 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Instrument :

BNA_F

ClientSampled :

G15-0-1.5

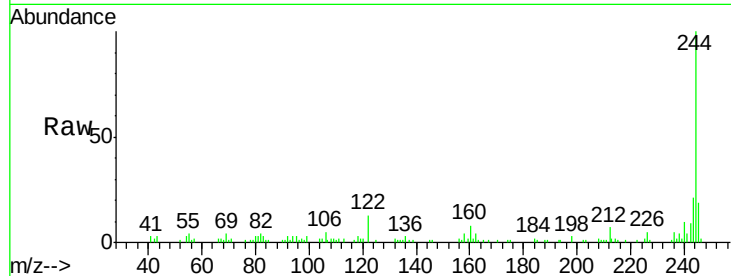
Tgt Ion:244 Resp: 44929

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

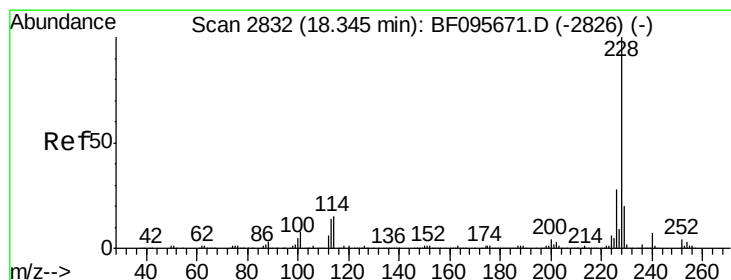
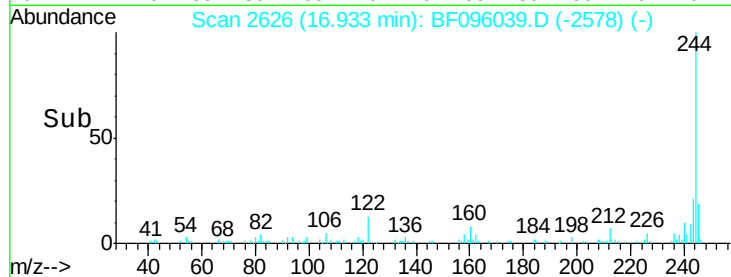
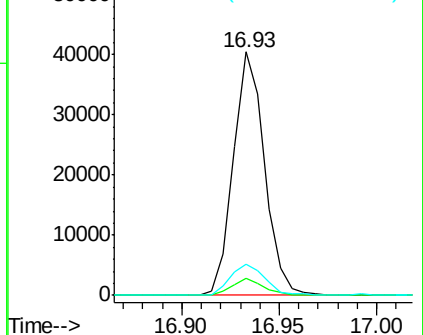
122 13.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.776 ng

RT: 18.32 min Scan# 2862

Delta R.T. 0.04 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

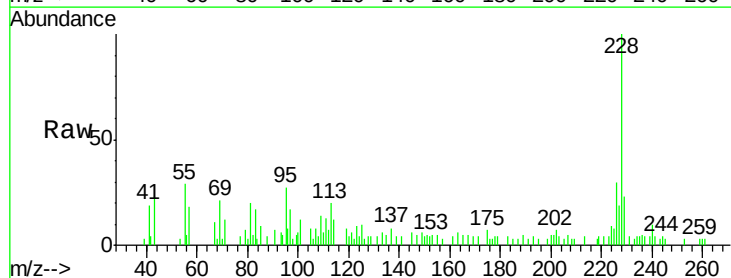
Tgt Ion:228 Resp: 20460

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

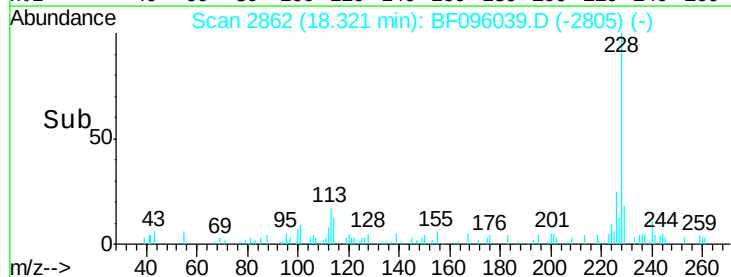
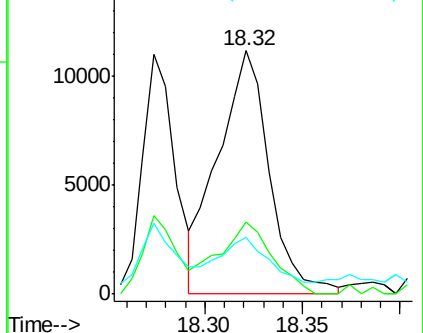
229 23.3 16.3 24.5

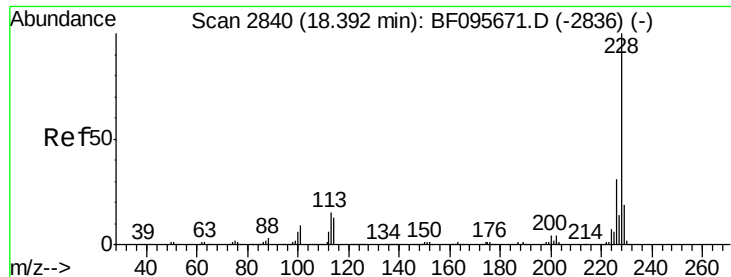


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.778 ng

RT: 18.32 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Instrument :

BNA_F

ClientSampleId :

G15-0-1.5

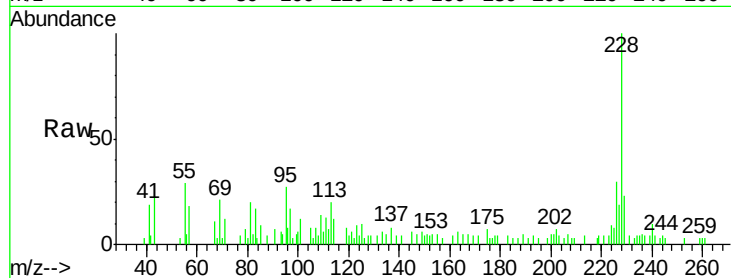
Tgt Ion:228 Resp: 20460

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

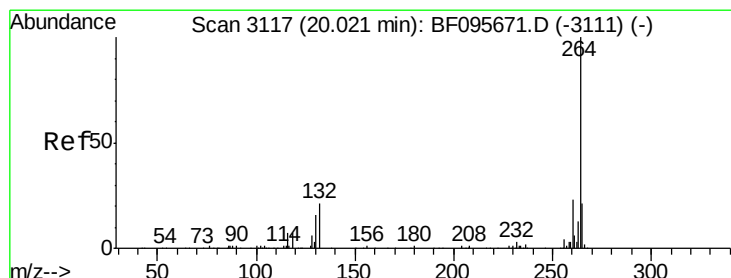
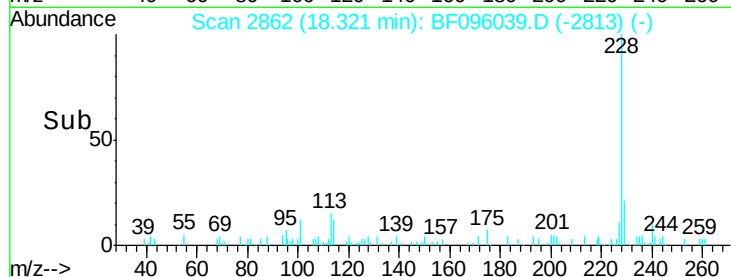
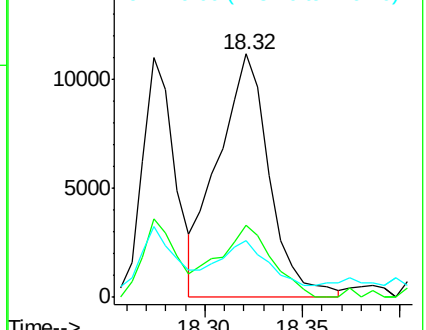
229 23.3 15.8 23.6



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: 20.000 ng

RT: 19.96 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

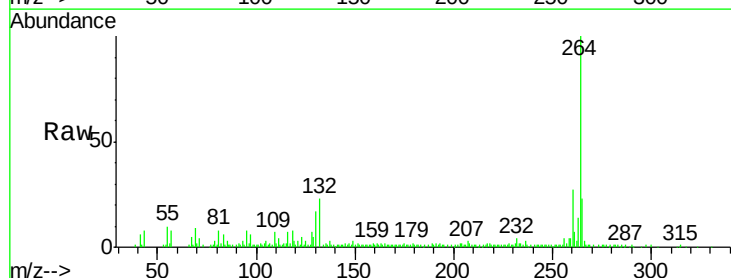
Tgt Ion:264 Resp: 90567

Ion Ratio Lower Upper

264 100

260 26.7 19.5 29.3

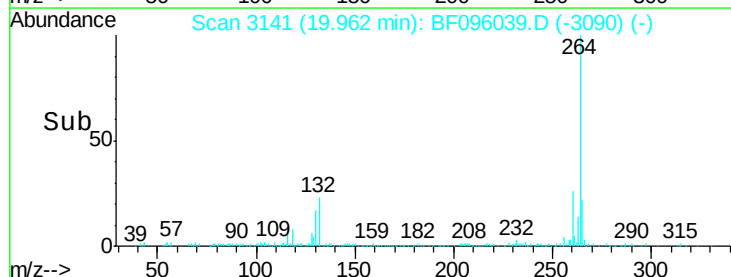
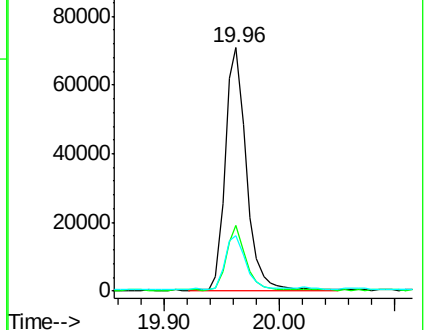
265 22.5 17.2 25.8

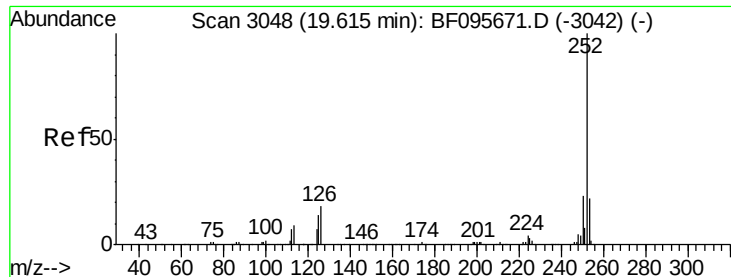


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.831 ng

RT: 19.56 min Scan# 3073

Delta R.T. 0.01 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Instrument :

BNA_F

ClientSampleId :

G15-0-1.5

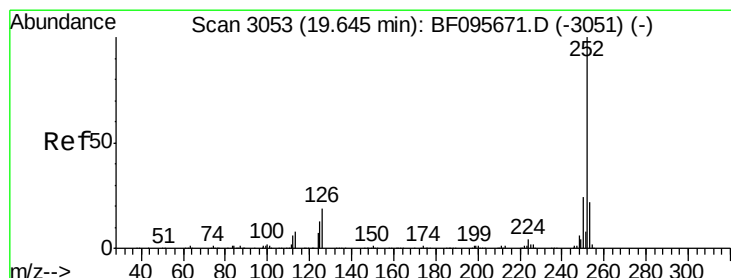
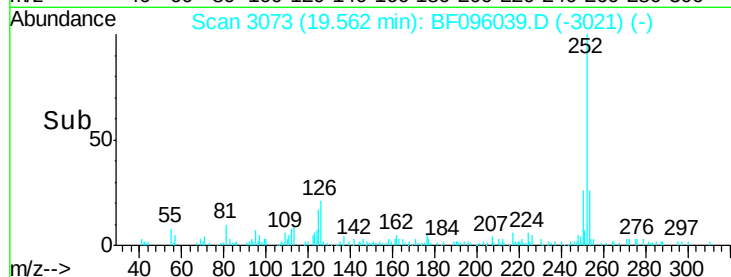
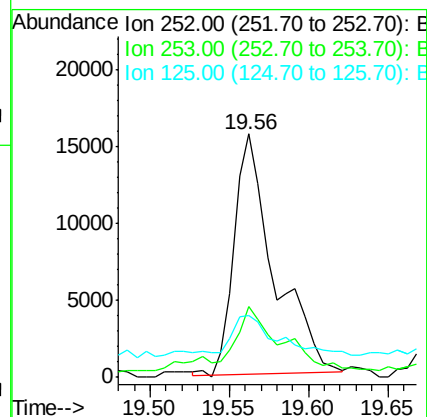
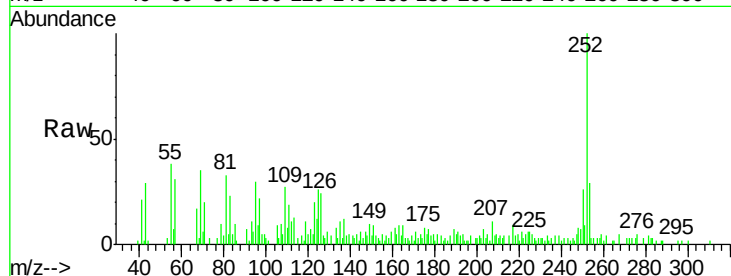
Tgt Ion:252 Resp: 27395

Ion Ratio Lower Upper

252 100

253 29.0 18.1 27.1#

125 25.6 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.054 ng

RT: 19.56 min Scan# 3073

Delta R.T. -0.03 min

Lab File: BF096039.D

Acq: 20 Jun 2017 11:11

Tgt Ion:252 Resp: 27395

Ion Ratio Lower Upper

252 100

253 29.0 18.4 27.6#

125 25.6 13.1 19.7#

