

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096079.D
 Acq On : 21 Jun 2017 11:33
 Operator : SJ/MA
 Sample : I3759-01DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617DL

Quant Time: Jun 21 13:50:38 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	69593	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	269155	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	106175	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	195760	20.00	ng	0.00
75) Chrysene-d12	18.27	240	160292	20.00	ng	0.00
86) Perylene-d12	19.94	264	116758	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	29666	6.79	ng	0.08
7) Phenol-d6	6.96	99	50731	9.70	ng	0.08
23) Nitrobenzene-d5	8.25	82	21604	4.98	ng	0.03
41) 2,4,6-Tribromophenol	13.46	330	9111	9.70	ng	0.01
44) 2-Fluorobiphenyl	11.10	172	72224	9.47	ng	0.00
78) Terphenyl-d14	16.92	244	59279	9.18	ng	-0.01

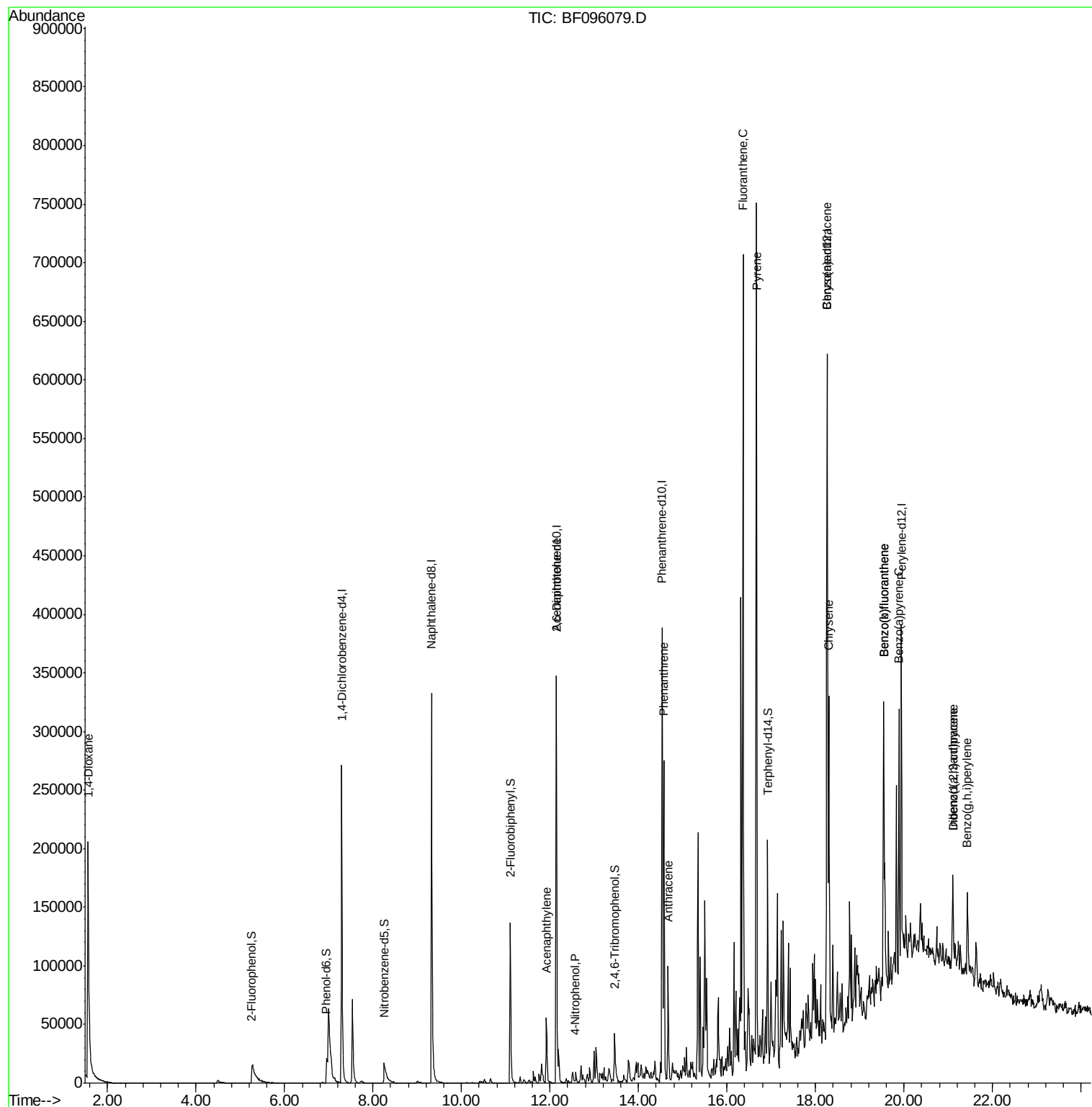
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	10861	5.227	ng	# 24
48) Acenaphthylene	11.92	152	44444	3.801	ng	98
50) 2,6-Dinitrotoluene	12.14	165	13558	7.710	ng	# 31
55) 4-Nitrophenol	12.56	139	112	4.715	ng	# 25
70) Phenanthrene	14.57	178	165511	14.653	ng	97
71) Anthracene	14.67	178	63467	5.382	ng	95
74) Fluoranthene	16.36	202	311223	27.839	ng	99
77) Pyrene	16.67	202	337185	28.192	ng	96
80) Benzo(a)anthracene	18.26	228	145390	15.601	ng	93
82) Chrysene	18.30	228	148587	15.954	ng	98
85) Indeno(1,2,3-cd)pyrene	21.10	276	43907	5.510	ng	95
87) Benzo(b)fluoranthene	19.54	252	130172	17.805	ng	# 97
88) Benzo(k)fluoranthene	19.54	252	130172	18.628	ng	98
89) Benzo(a)pyrene	19.89	252	98234	14.619	ng	96
90) Dibenzo(a,h)anthracene	21.10	278	14184	2.488	ng	# 70
91) Benzo(g,h,i)perylene	21.43	276	48610	8.365	ng	96

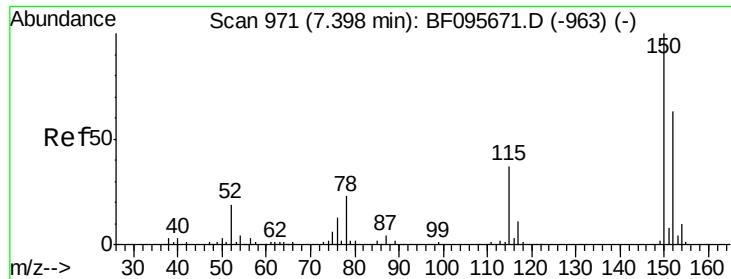
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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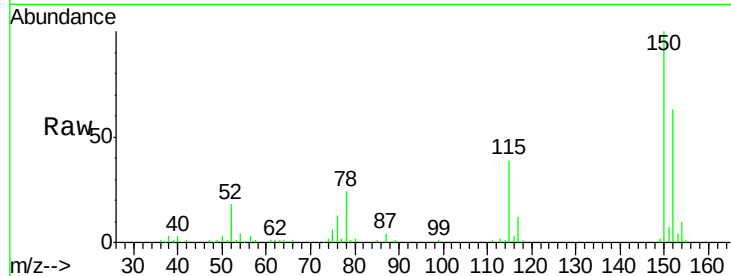


#1

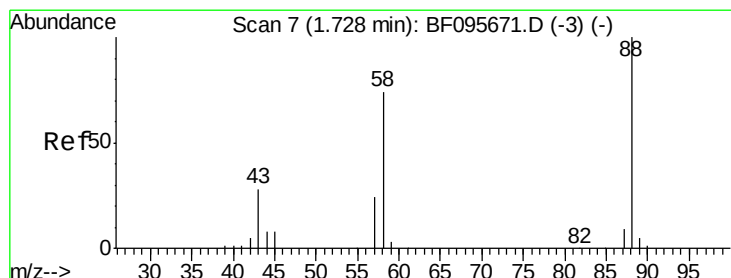
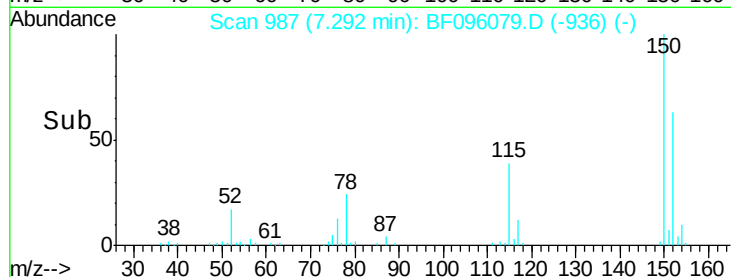
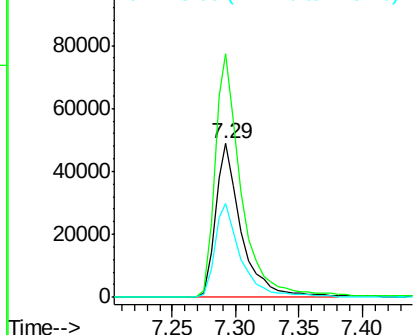
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Instrument :
BNA_F
ClientSampleId :
SU-02-061617DL

Tgt Ion:152 Resp: 69593
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.2
115 61.3 52.2 78.2



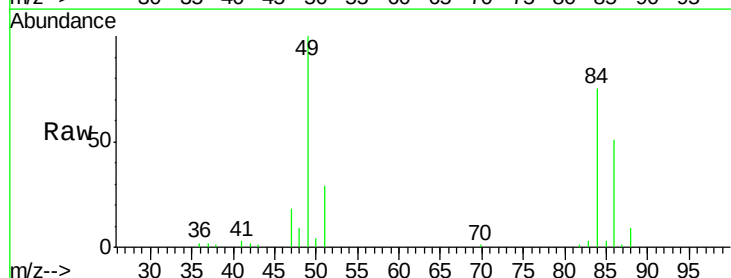
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



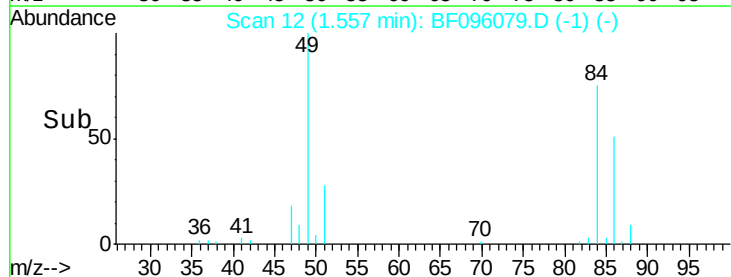
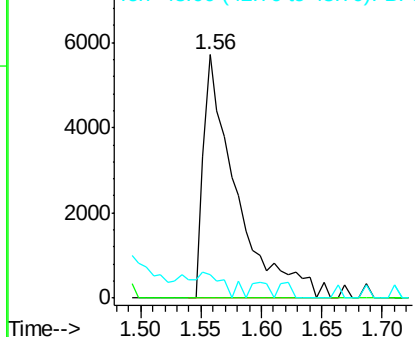
#2

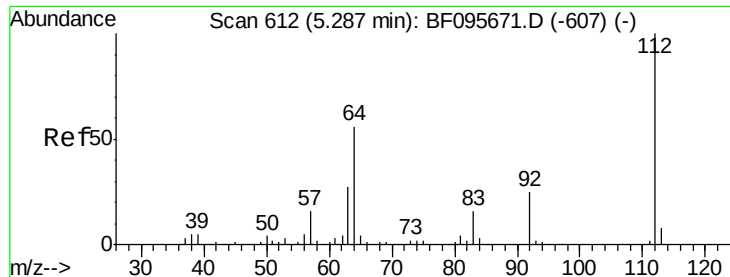
1,4-Dioxane
Concen: 5.227 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt Ion: 88 Resp: 10861
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 6.5 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: 6.793 ng

RT: 5.26 min Scan# 642

Delta R.T. 0.08 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

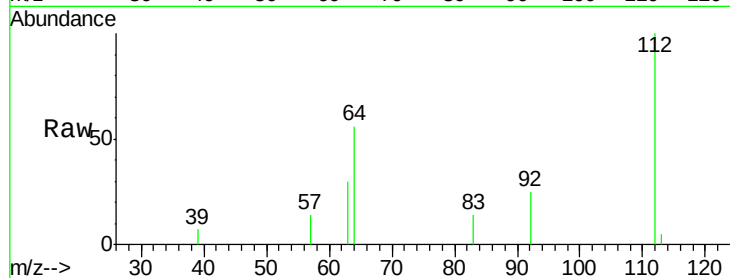
Tgt Ion: 112 Resp: 29666

Ion Ratio Lower Upper

112 100

64 55.8 46.0 69.0

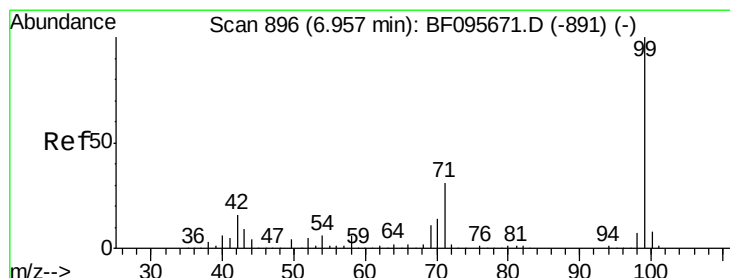
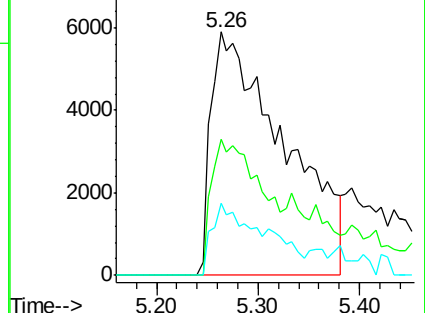
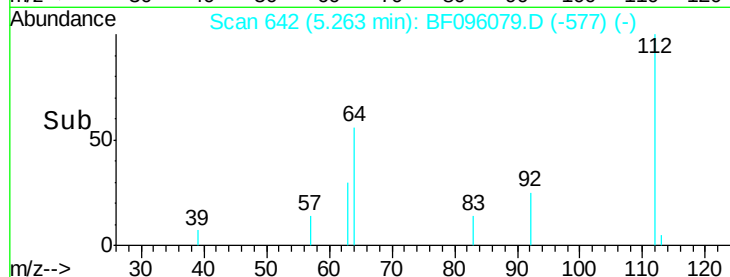
63 29.9 23.4 35.0



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: 9.703 ng

RT: 6.96 min Scan# 930

Delta R.T. 0.08 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

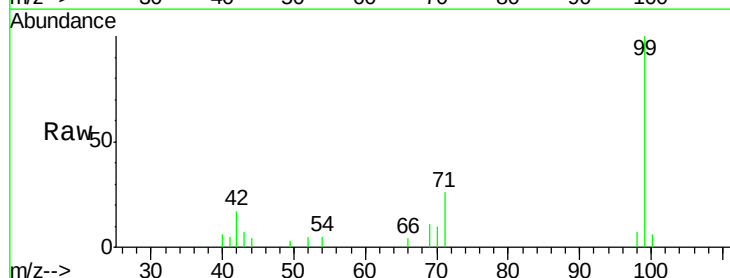
Tgt Ion: 99 Resp: 50731

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

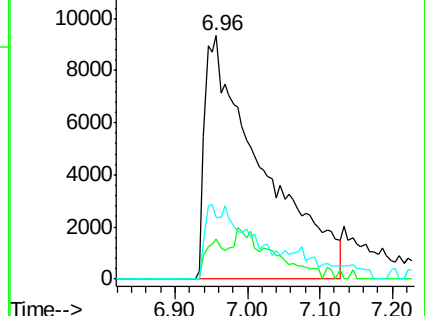
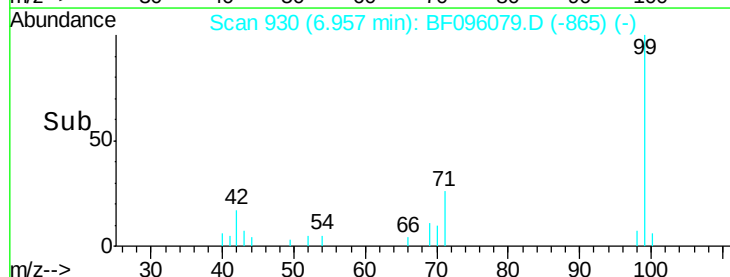
71 25.6 24.5 36.7

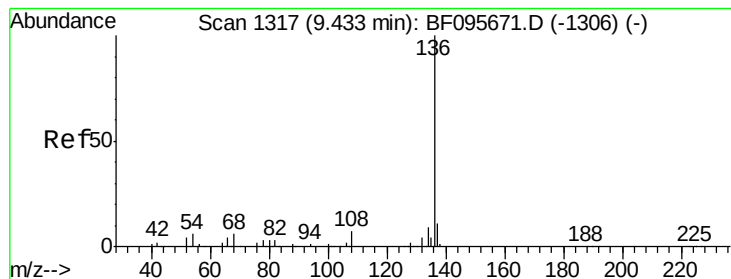


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

Tgt Ion: 136 Resp: 269155

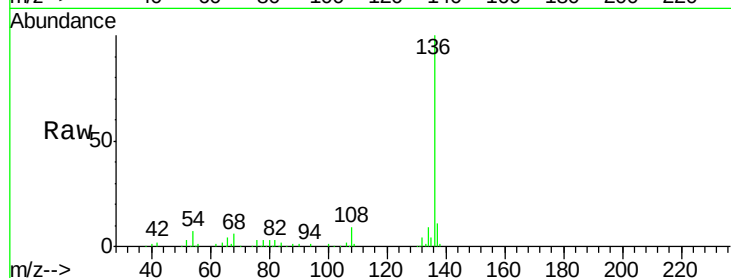
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.9 4.9 7.3

68 5.9 4.1 6.1

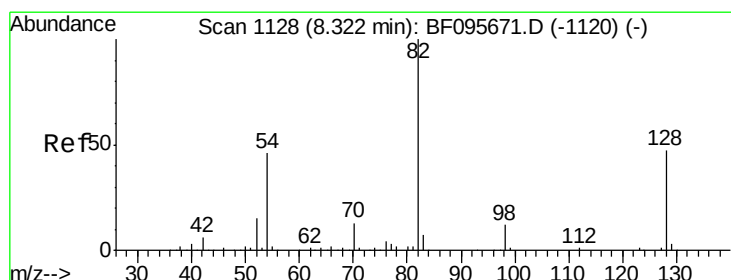
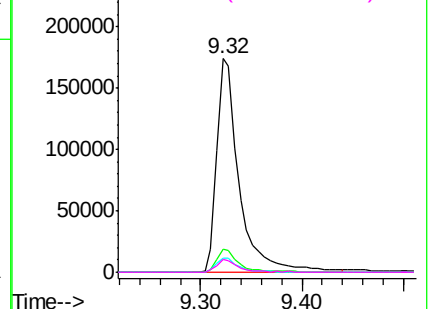
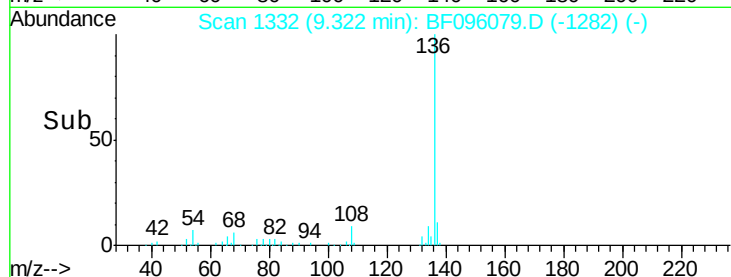


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.985 ng

RT: 8.25 min Scan# 1150

Delta R.T. 0.03 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

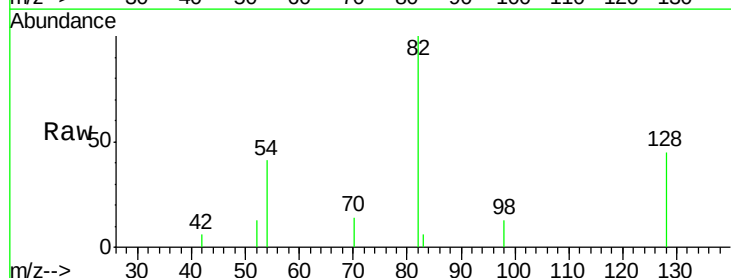
Tgt Ion: 82 Resp: 21604

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

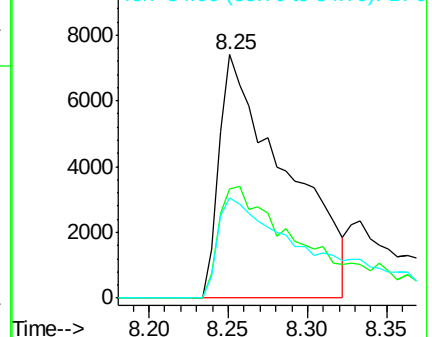
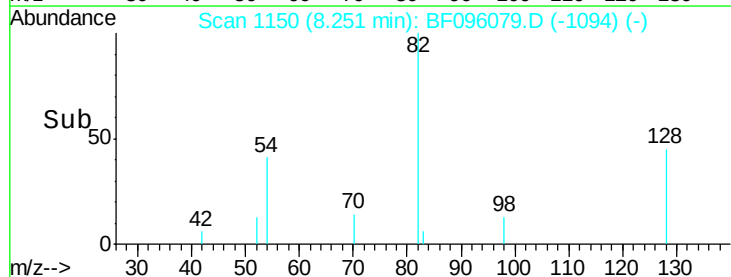
54 41.1 42.2 63.2#

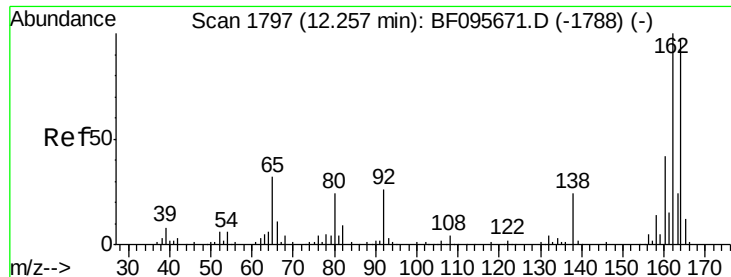


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.14 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

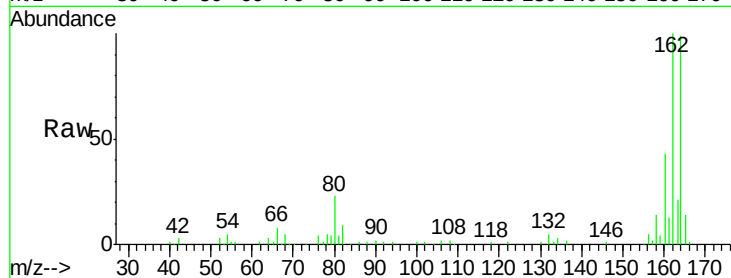
Tgt Ion:164 Resp: 106175

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

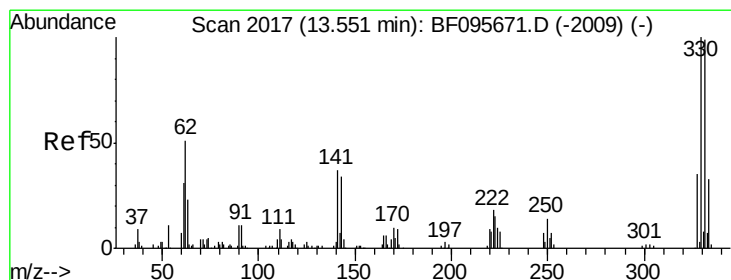
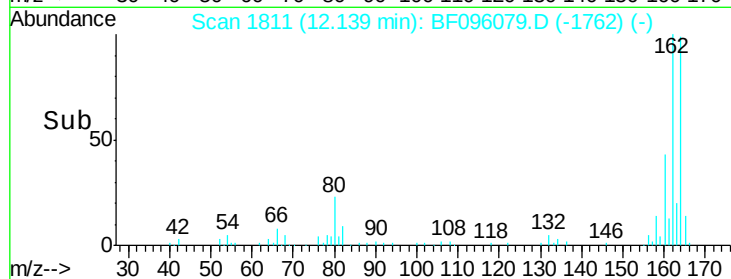
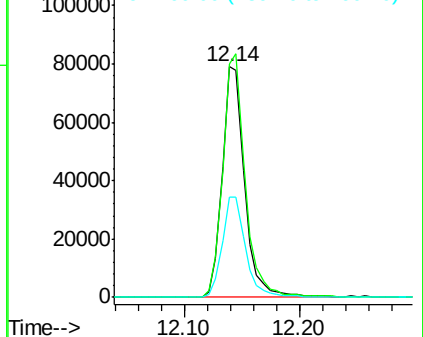
160 43.7 36.2 54.2



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: 9.699 ng

RT: 13.46 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

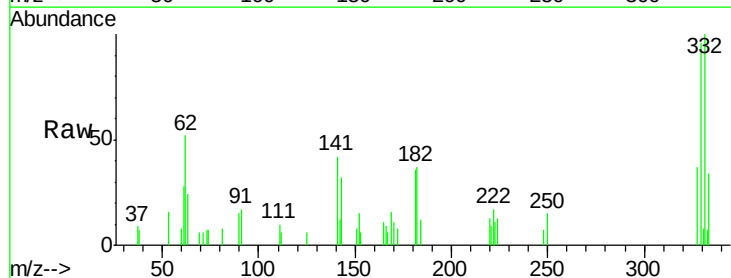
Tgt Ion:330 Resp: 9111

Ion Ratio Lower Upper

330 100

332 99.3 76.6 115.0

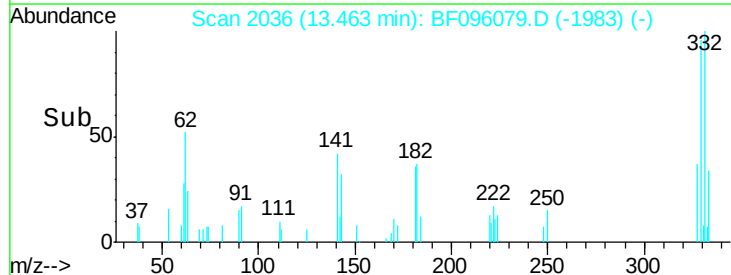
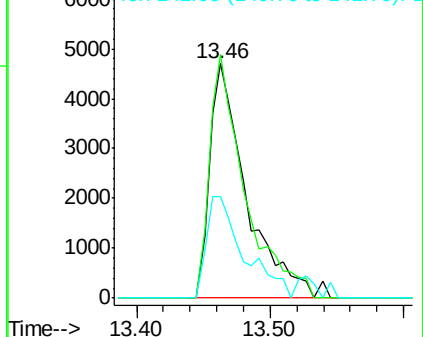
141 43.7 31.4 47.2

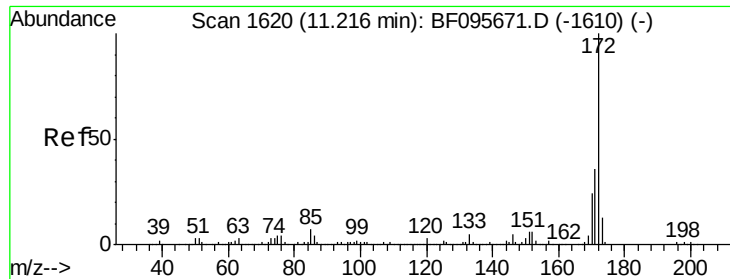


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

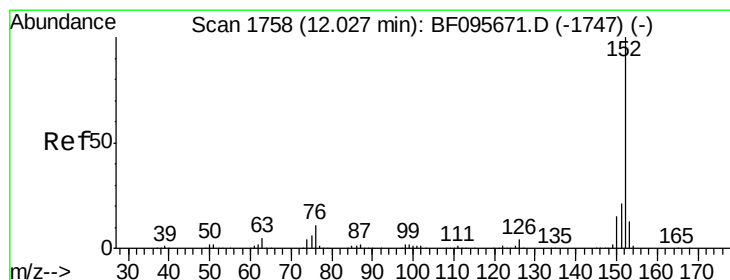
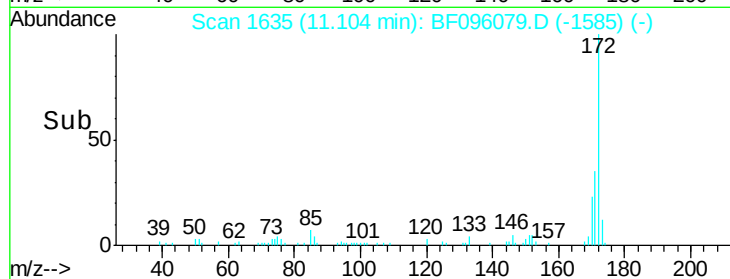
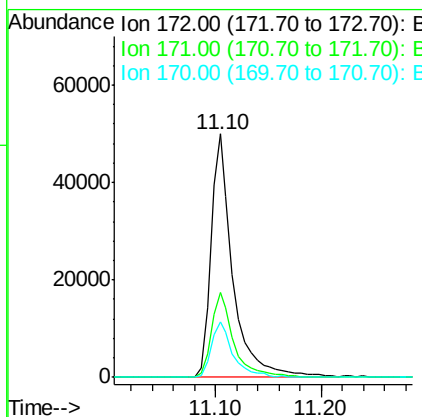
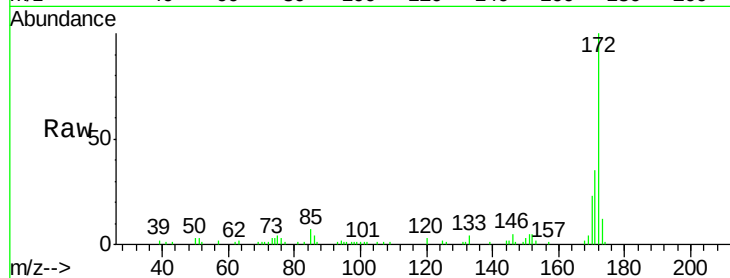




#44
2-Fluorobiphenyl
Concen: 9.466 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

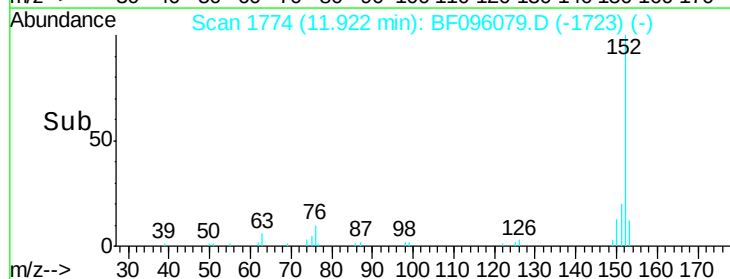
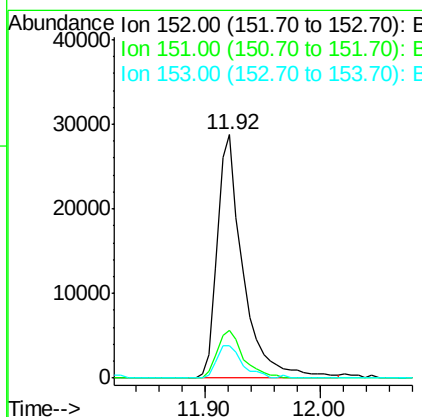
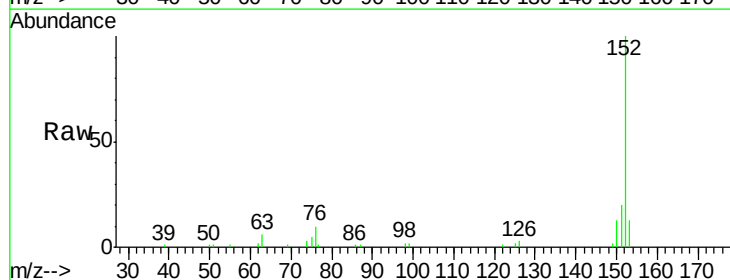
Instrument :
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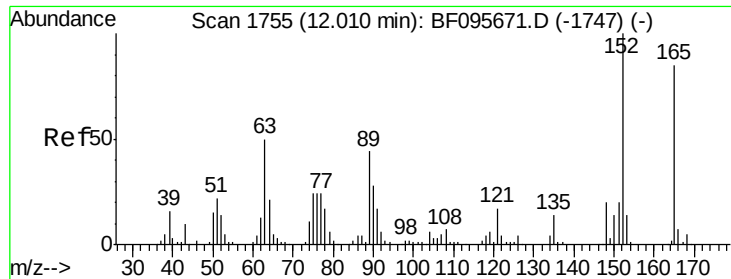
Tgt Ion:172 Resp: 72224
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 22.5 19.8 29.8



#48
Acenaphthylene
Concen: 3.801 ng
RT: 11.92 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt Ion:152 Resp: 44444
Ion Ratio Lower Upper
152 100
151 19.6 16.8 25.2
153 13.4 10.8 16.2

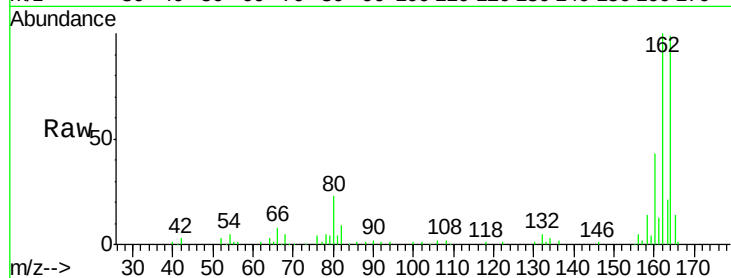




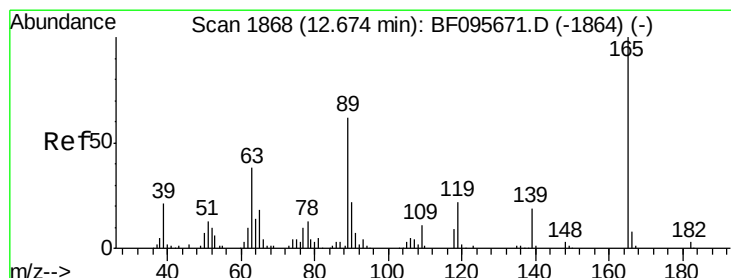
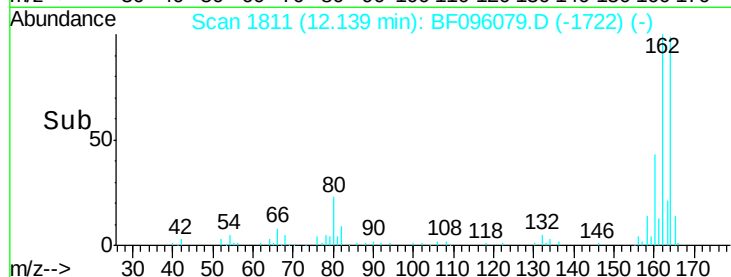
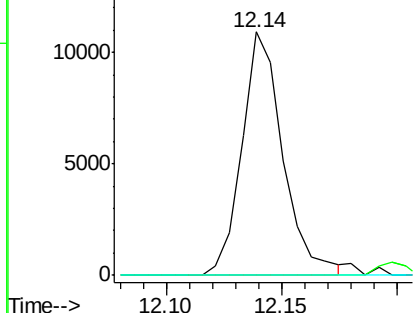
#50
2,6-Dinitrotoluene
Concen: 7.710 ng
RT: 12.14 min Scan# 1811
Delta R.T. 0.22 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Instrument :
BNA_F
ClientSampleId :
SU-02-061617DL

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

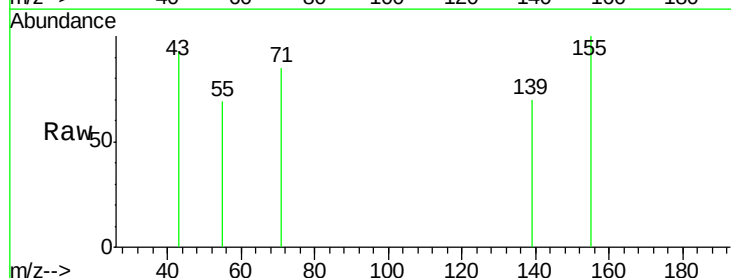


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

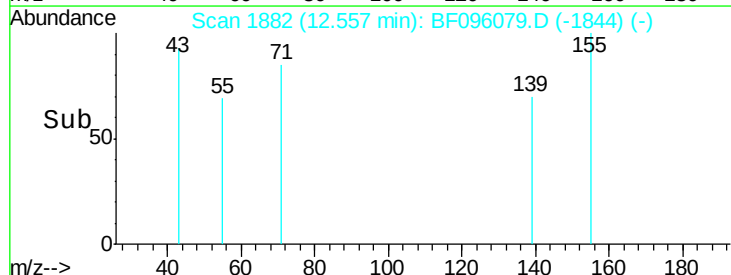
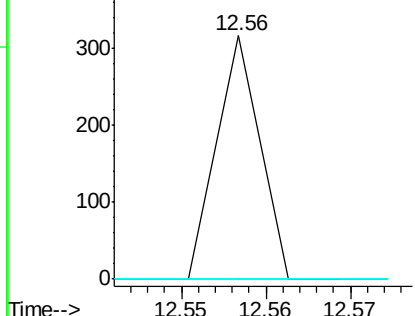


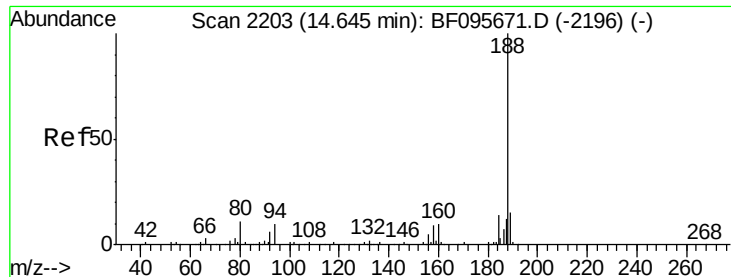
#55
4-Nitrophenol
Concen: 4.715 ng
RT: 12.56 min Scan# 1882
Delta R.T. -0.08 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt 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

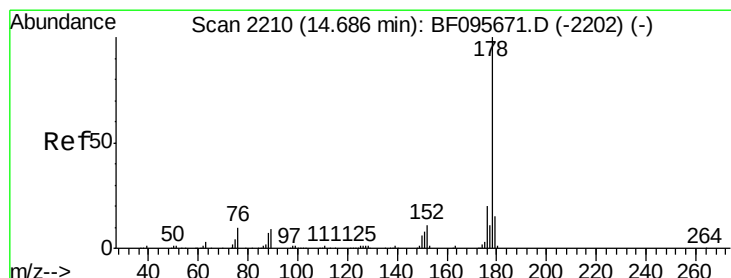
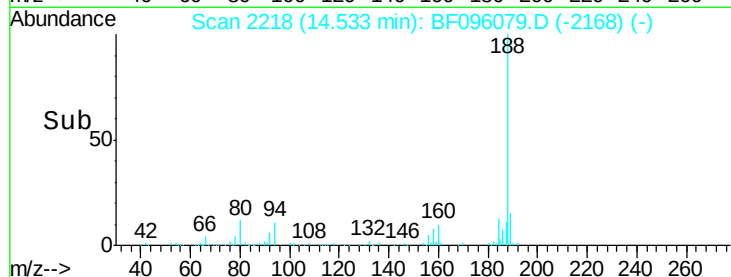
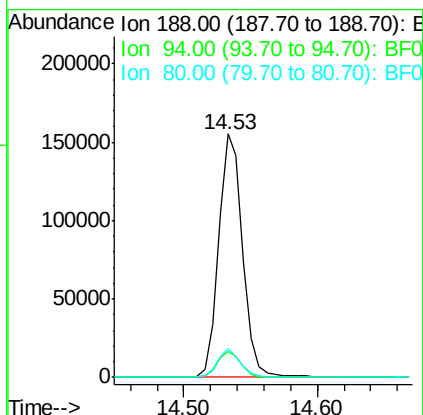
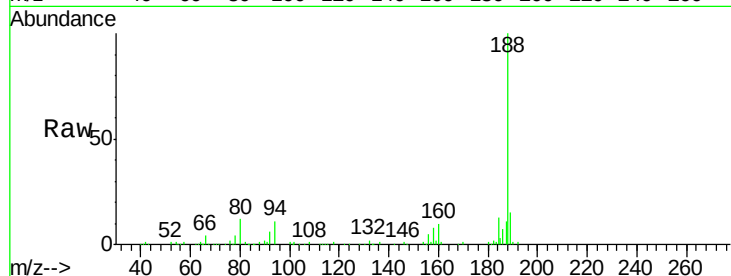




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

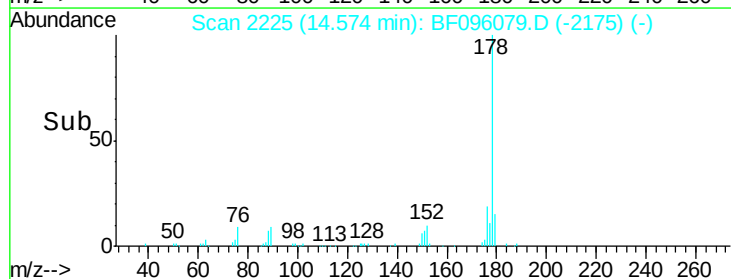
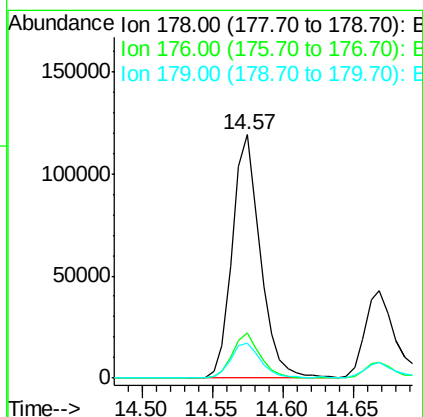
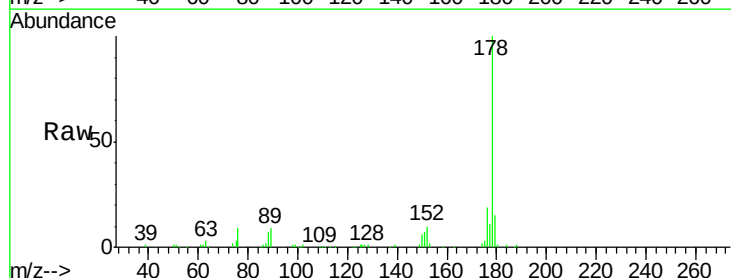
Instrument :
BNA_F
ClientSampleId :
SU-02-061617DL

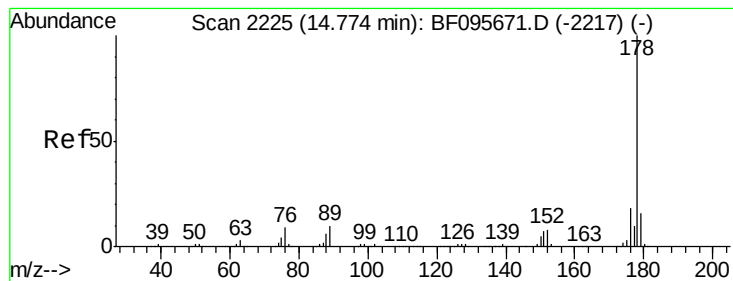
Tgt Ion:188 Resp: 195760
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.9 10.2 15.2



#70
Phenanthrene
Concen: 14.653 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt Ion:178 Resp: 165511
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 14.6 12.6 19.0





#71

Anthracene

Concen: 5.382 ng

RT: 14.67 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

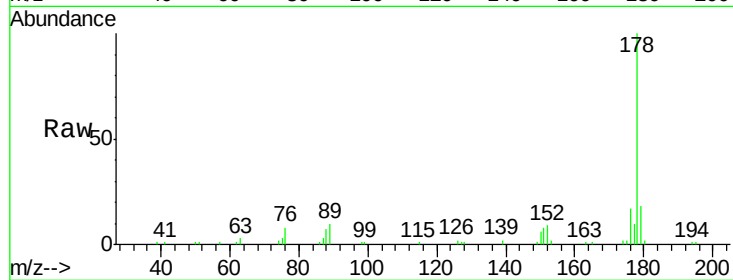
Tgt Ion:178 Resp: 63467

Ion Ratio Lower Upper

178 100

176 17.4 15.8 23.8

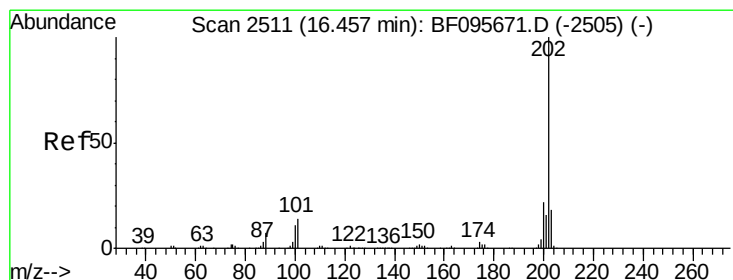
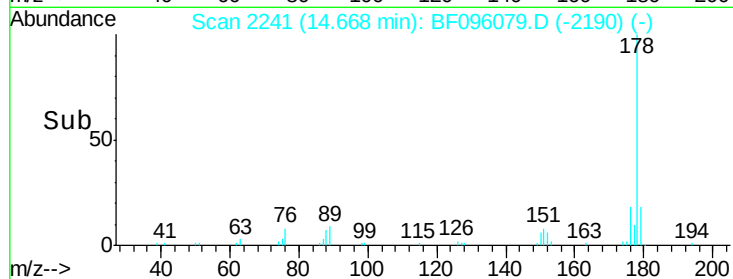
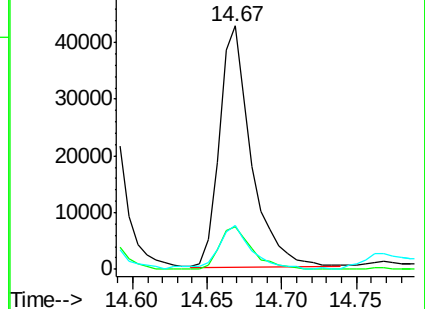
179 18.2 12.7 19.1



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: 27.839 ng

RT: 16.36 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

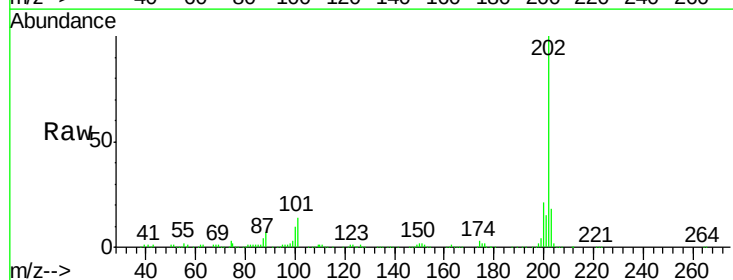
Tgt Ion:202 Resp: 311223

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

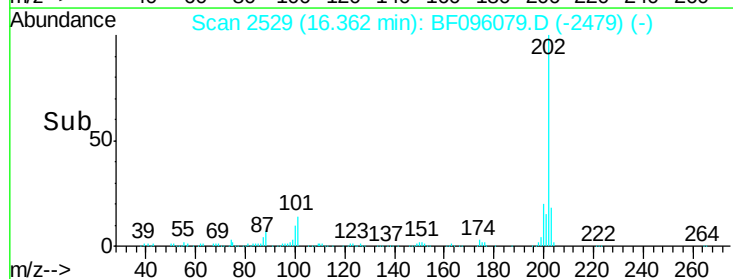
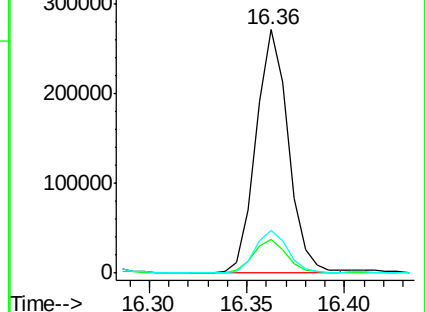
203 17.8 0.0 38.1

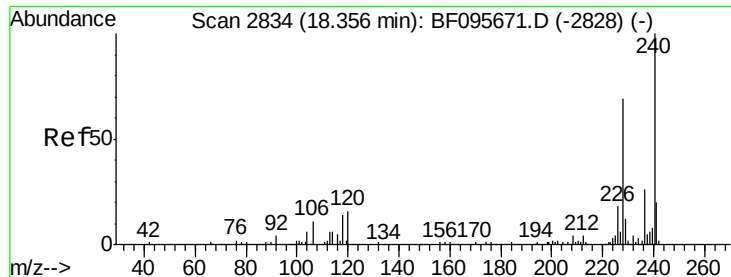


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

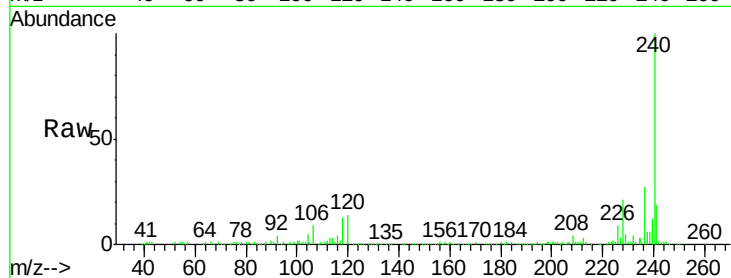
Tgt Ion:240 Resp: 160292

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

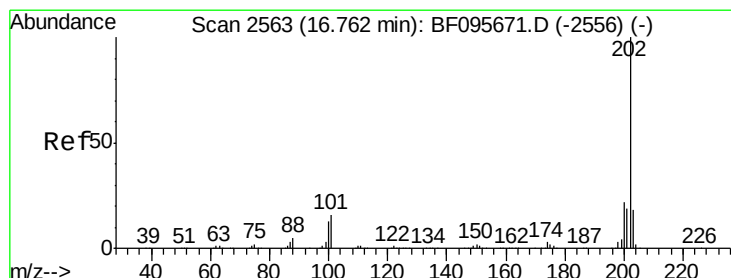
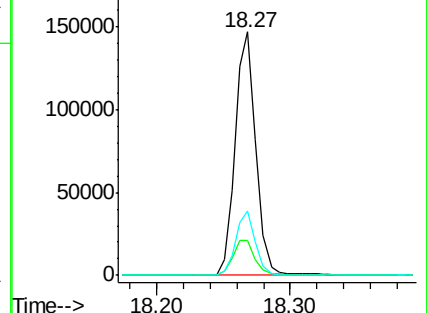
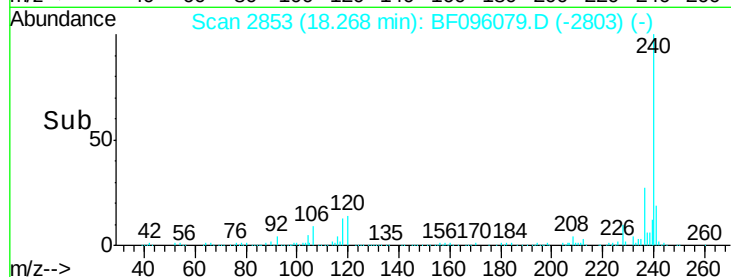
236 26.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 28.192 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

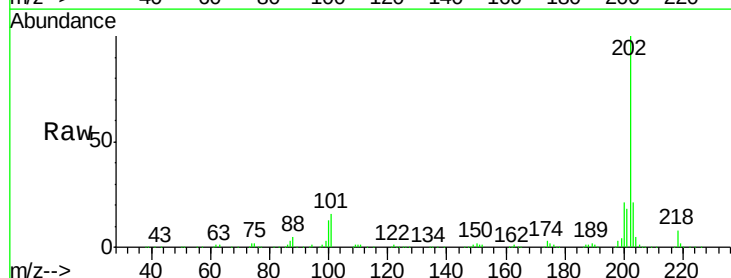
Tgt Ion:202 Resp: 337185

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

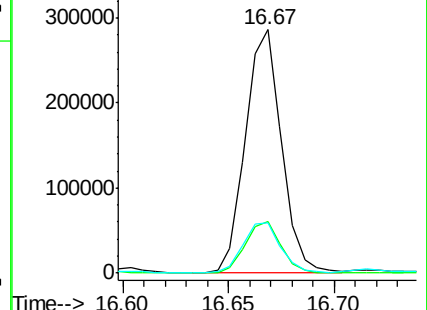
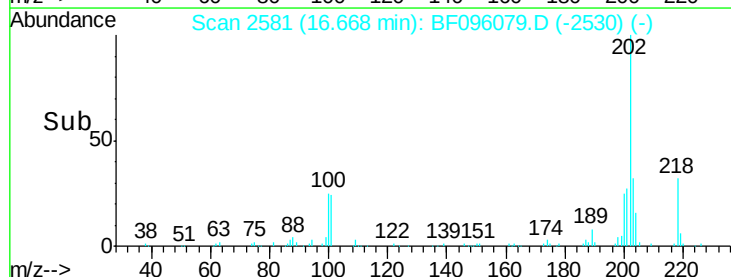
203 20.9 14.4 21.6

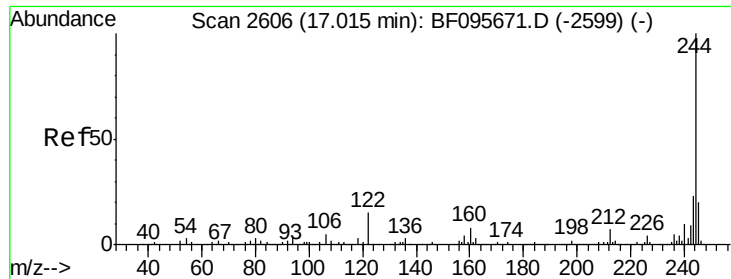


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

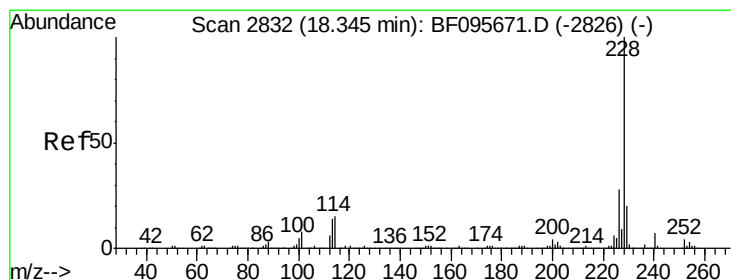
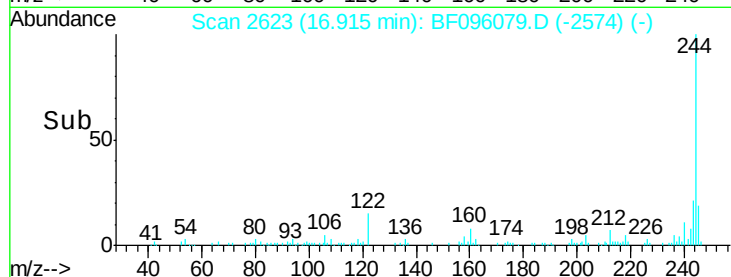
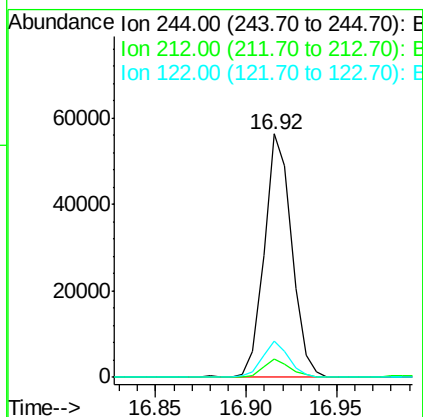
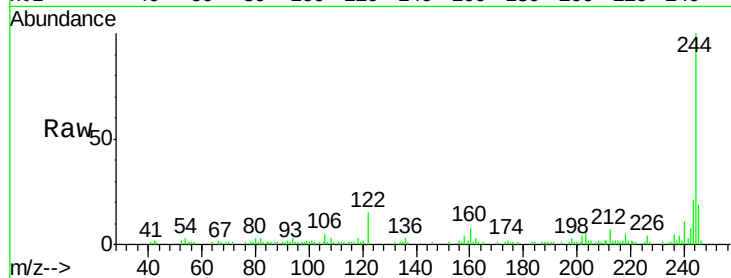




#78
 Terphenyl-d14
 Concen: 9.178 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096079.D
 Acq: 21 Jun 2017 11:33

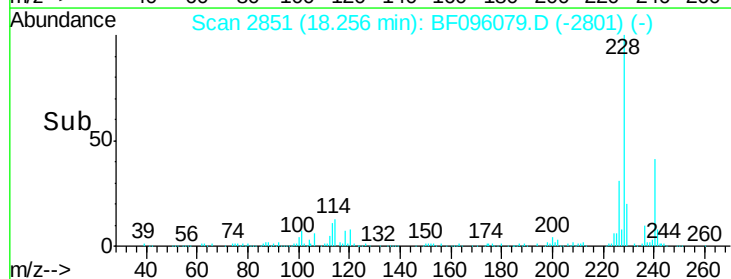
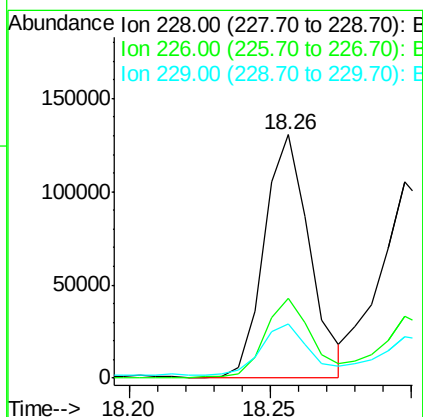
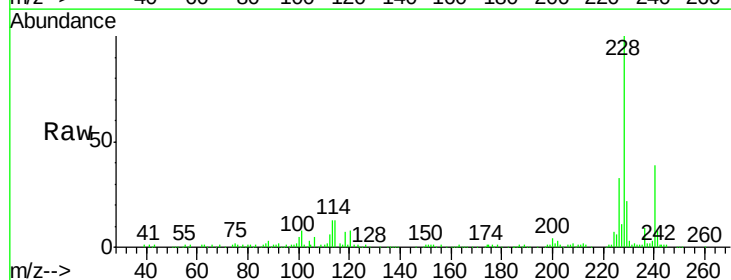
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617DL

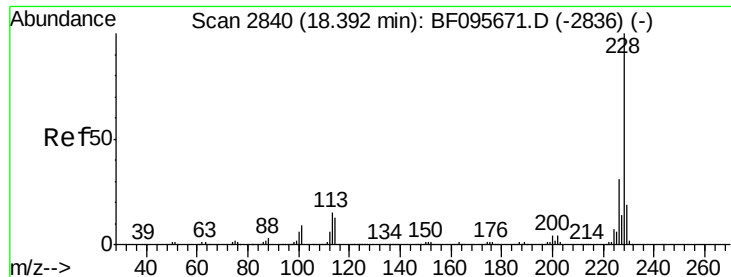
Tgt Ion: 244 Resp: 59279
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 14.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 15.601 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096079.D
 Acq: 21 Jun 2017 11:33

Tgt Ion: 228 Resp: 145390
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.6 33.8
 229 22.2 16.3 24.5





#82

Chrysene

Concen: 15.954 ng

RT: 18.30 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

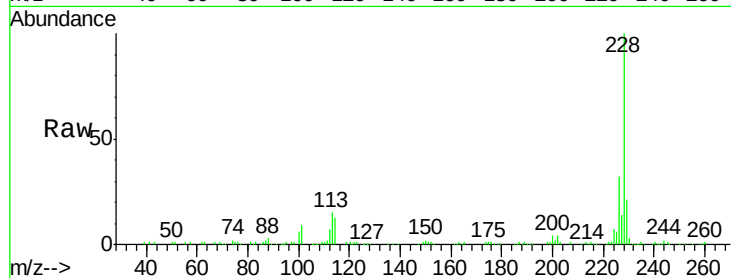
Tgt Ion: 228 Resp: 148587

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

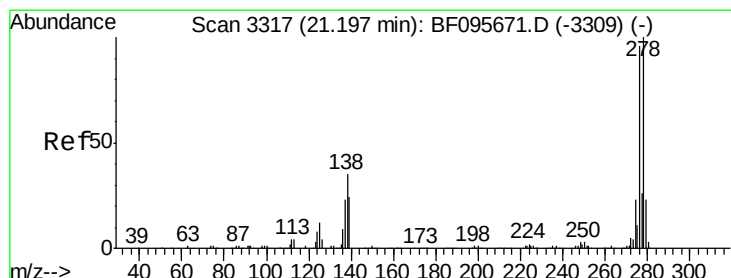
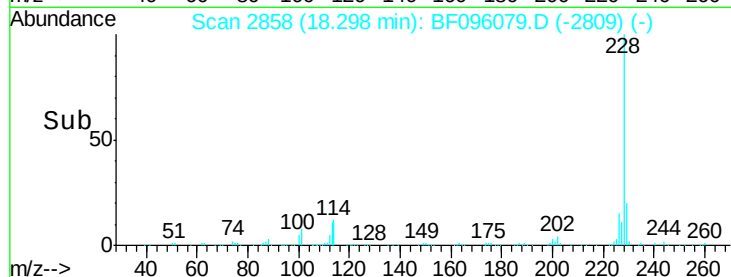
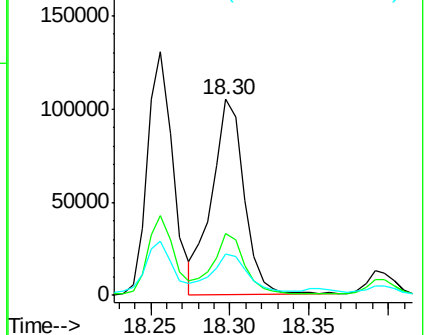
229 21.0 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.510 ng

RT: 21.10 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

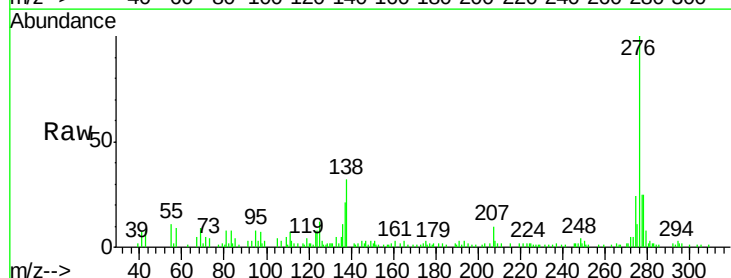
Tgt Ion: 276 Resp: 43907

Ion Ratio Lower Upper

276 100

138 29.7 27.8 41.6

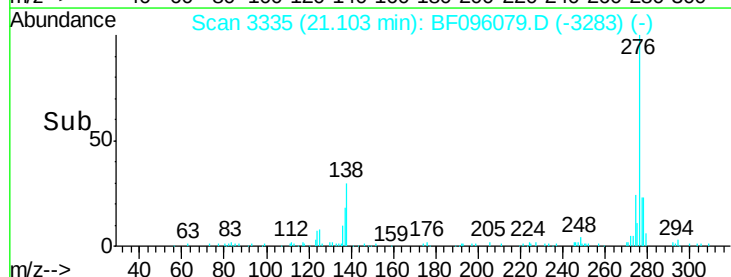
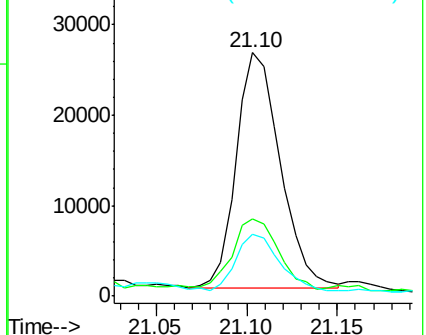
277 25.1 20.2 30.4

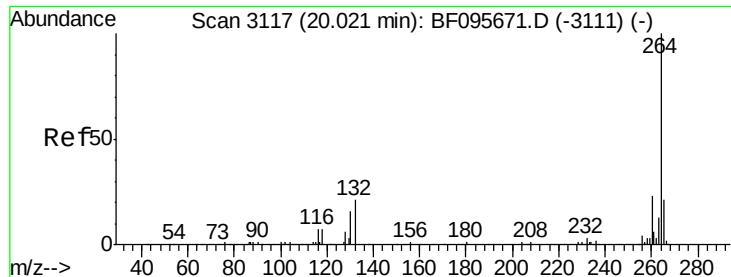


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

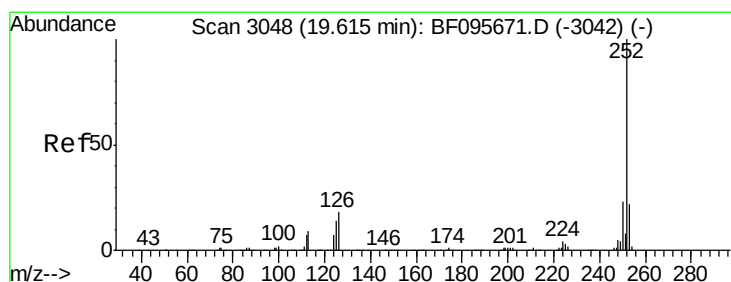
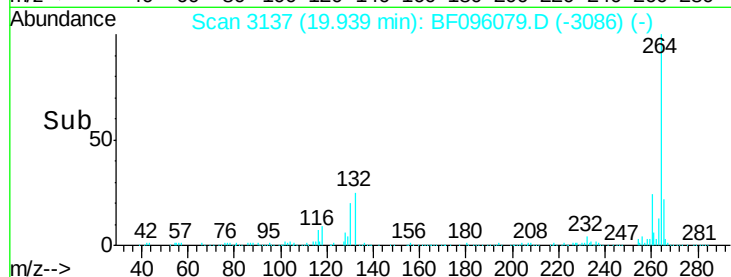
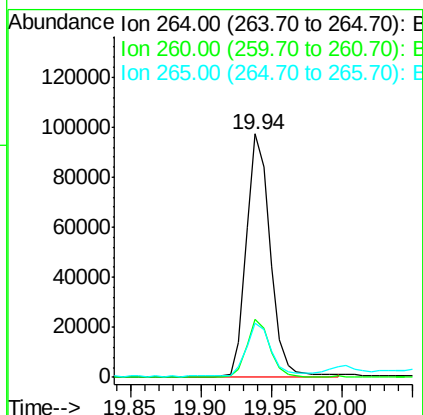
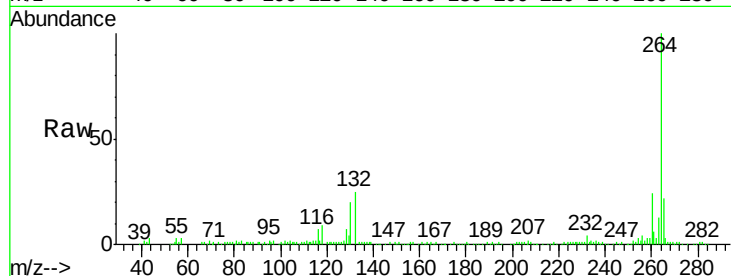




#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

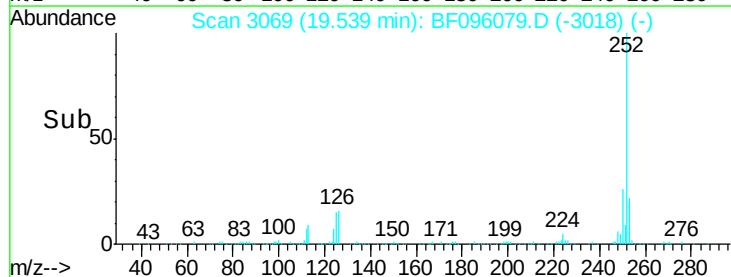
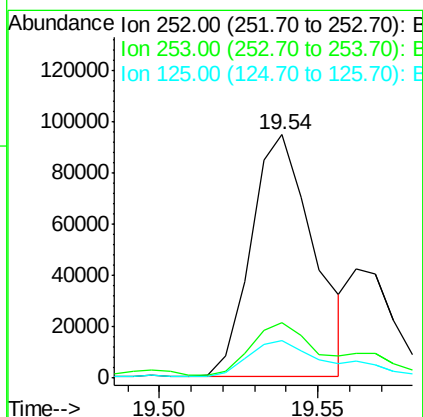
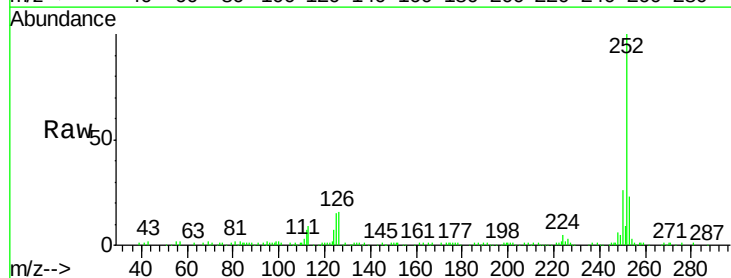
Instrument :
BNA_F
ClientSampleId :
SU-02-061617DL

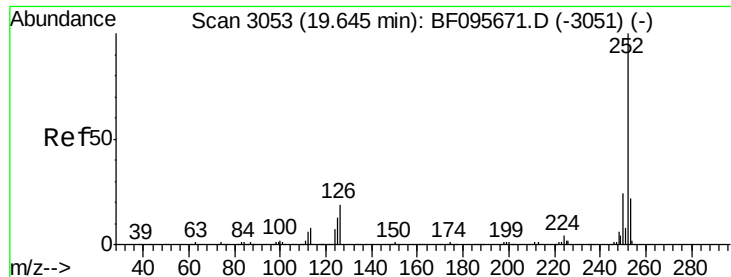
Tgt Ion:264 Resp: 116758
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.805 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt Ion:252 Resp: 130172
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 15.2 9.8 14.8#

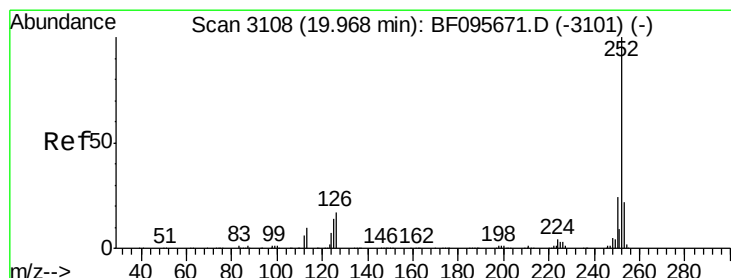
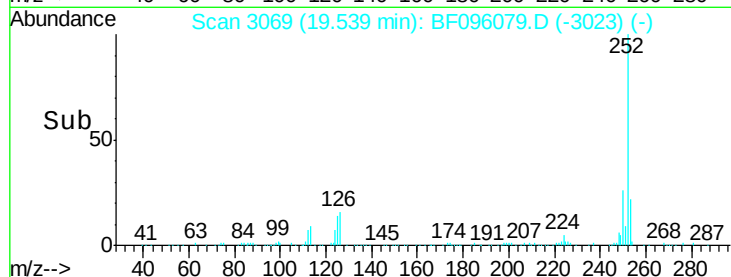
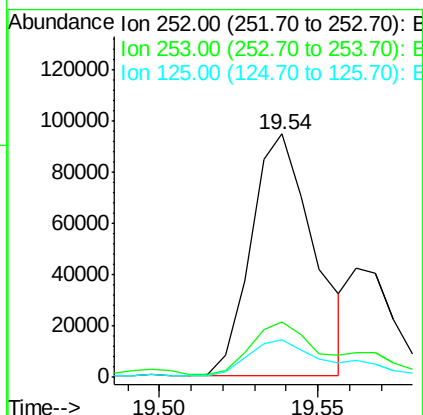
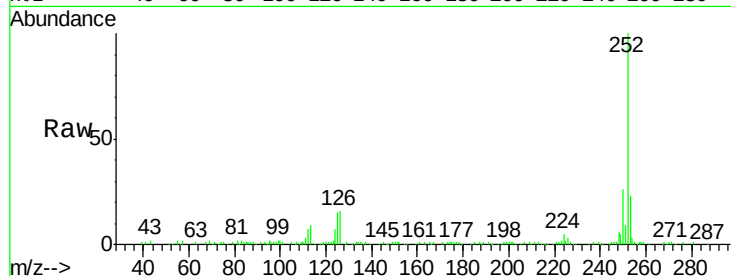




#88
Benzo(k)fluoranthene
Concen: 18.628 ng
RT: 19.54 min Scan# 3069
Delta R.T. -0.03 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

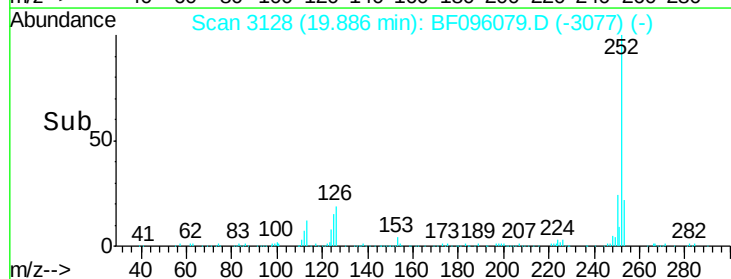
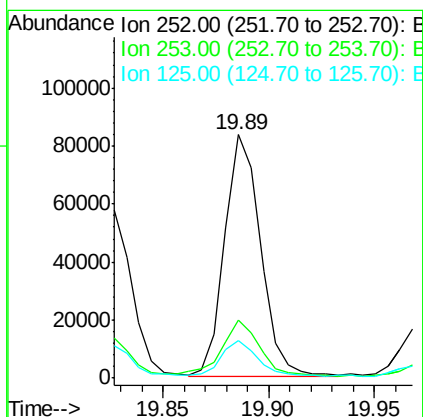
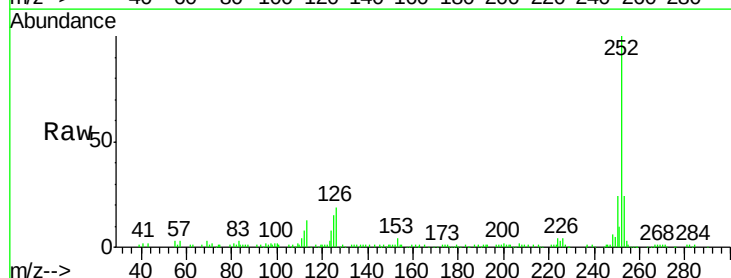
Instrument :
BNA_F
ClientSampleId :
SU-02-061617DL

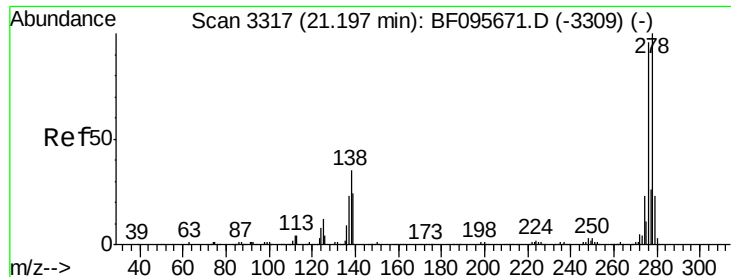
Tgt Ion: 252 Resp: 130172
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 15.2 13.1 19.7



#89
Benzo(a)pyrene
Concen: 14.619 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096079.D
Acq: 21 Jun 2017 11:33

Tgt Ion: 252 Resp: 98234
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 15.3 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.488 ng

RT: 21.10 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

Instrument :

BNA_F

ClientSampleId :

SU-02-061617DL

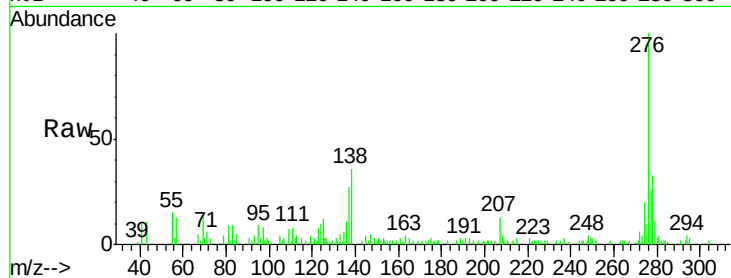
Tgt Ion:278 Resp: 14184

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

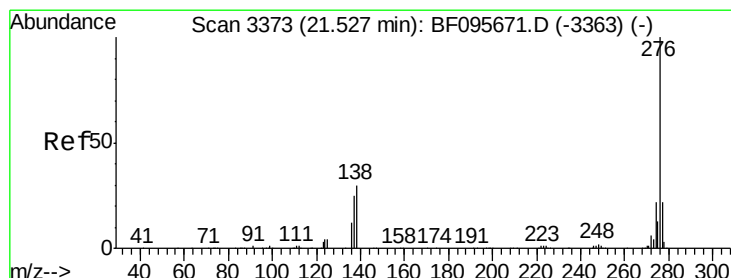
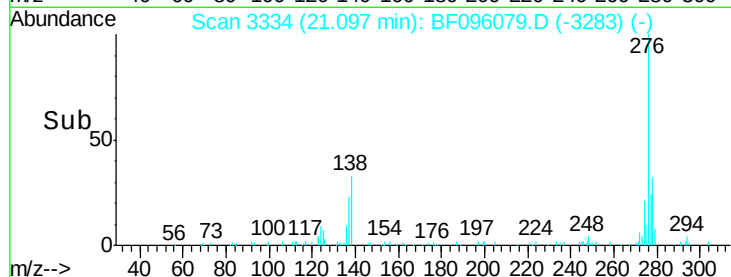
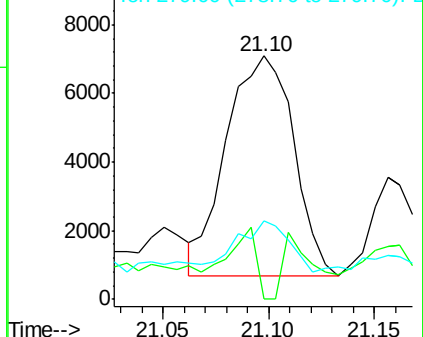
279 32.3 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.365 ng

RT: 21.43 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF096079.D

Acq: 21 Jun 2017 11:33

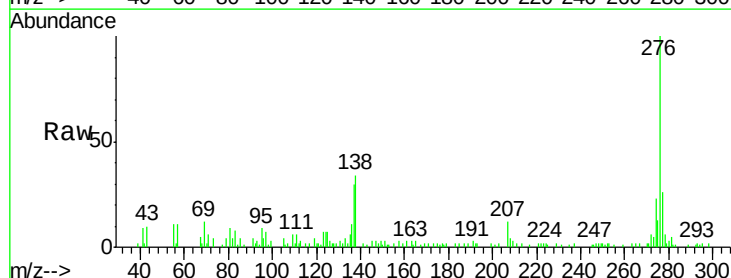
Tgt Ion:276 Resp: 48610

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 33.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

