

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096184.D
 Acq On : 24 Jun 2017 11:49
 Operator : SJ/MA
 Sample : I3849-01 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:20:31 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

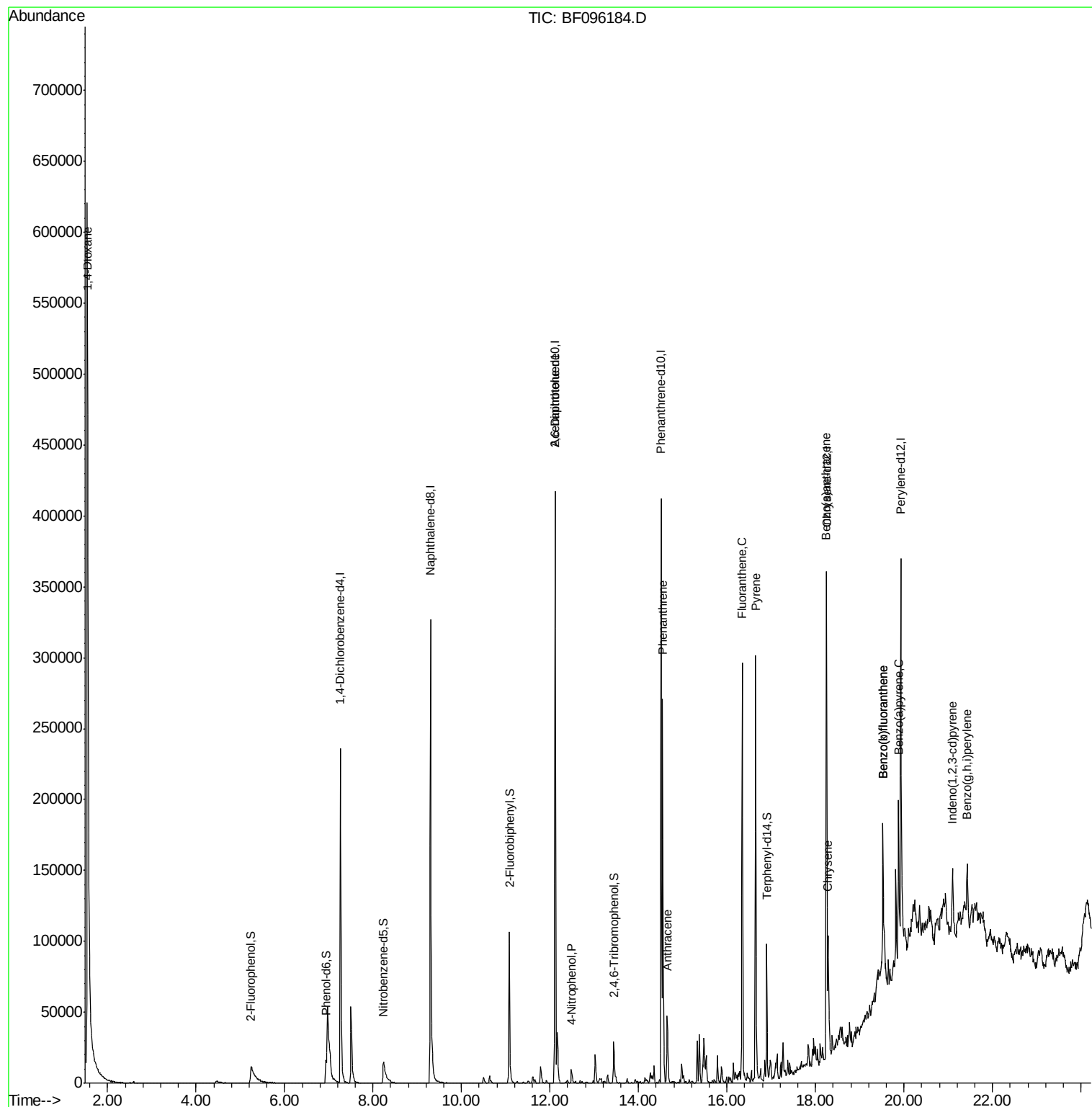
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	66605	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	278487	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	124273	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	209300	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	127797	20.00	ng	-0.02
86) Perylene-d12	19.93	264	125301	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	23082	5.52	ng	0.06
7) Phenol-d6	6.93	99	25776	5.15	ng	0.06
23) Nitrobenzene-d5	8.23	82	24725	5.51	ng	0.01
41) 2,4,6-Tribromophenol	13.44	330	7929	7.21	ng	-0.01
44) 2-Fluorobiphenyl	11.08	172	62967	7.05	ng	-0.03
78) Terphenyl-d14	16.90	244	38857	7.55	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.54	88	33200	16.70	ng	# 23
50) 2,6-Dinitrotoluene	12.12	165	15452	7.51	ng	# 31
55) 4-Nitrophenol	12.49	139	3680	7.10	ng	# 25
70) Phenanthrene	14.54	178	175031	14.49	ng	97
71) Anthracene	14.65	178	38588	3.06	ng	97
74) Fluoranthene	16.34	202	171932	14.38	ng	98
77) Pyrene	16.64	202	148772	15.60	ng	95
80) Benzo(a)anthracene	18.24	228	51229	6.89	ng	98
82) Chrysene	18.29	228	48931	6.59	ng	98
85) Indeno(1,2,3-cd)pyrene	21.10	276	28506	4.49	ng	95
87) Benzo(b)fluoranthene	19.53	252	74307	9.47	ng	# 95
88) Benzo(k)fluoranthene	19.53	252	74307	9.91	ng	99
89) Benzo(a)pyrene	19.87	252	43600	6.05	ng	# 93
91) Benzo(a,h,i)perylene	21.43	276	26133	4.19	ng	94

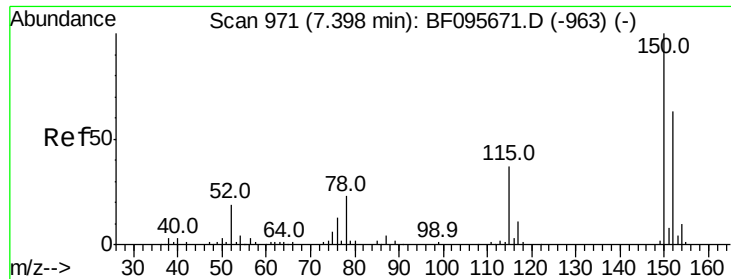
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096184.D
Acq On : 24 Jun 2017 11:49
Operator : SJ/MA
Sample : I3849-01 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 26 01:20:31 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



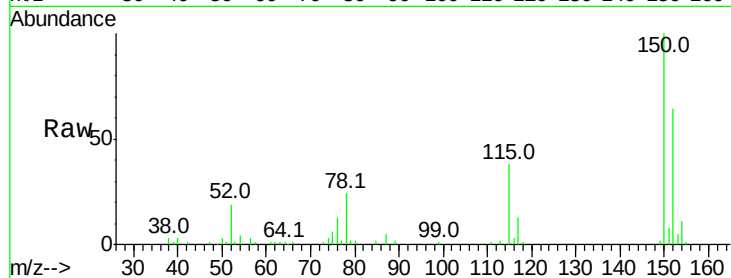


#1

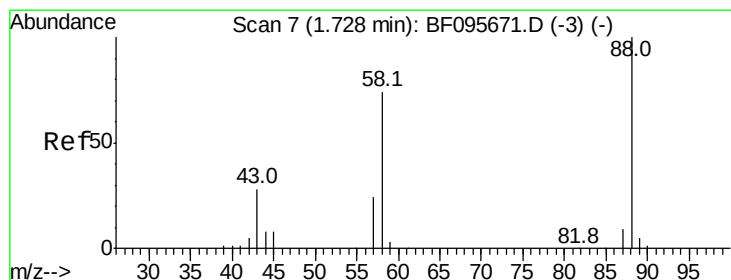
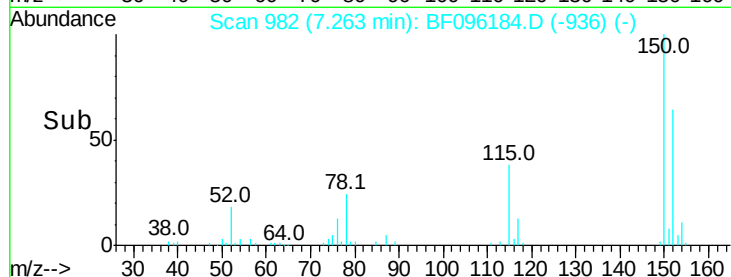
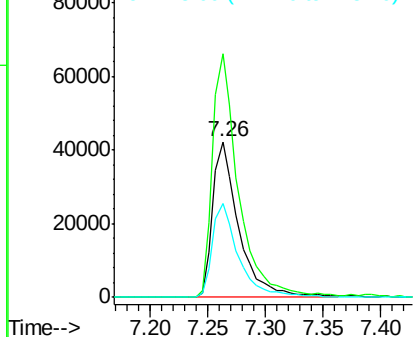
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 66605
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 60.1 52.2 78.2



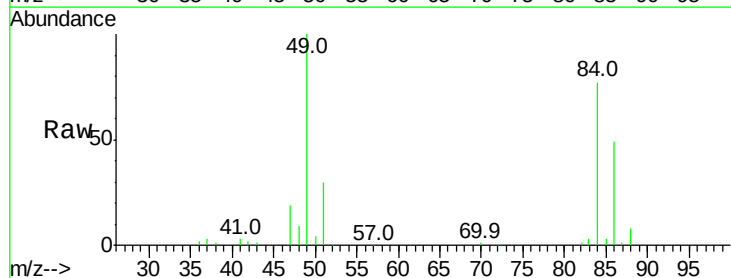
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



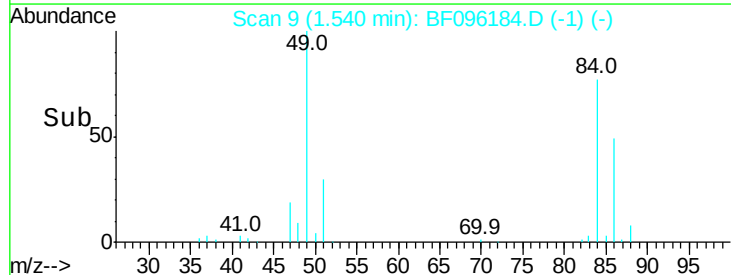
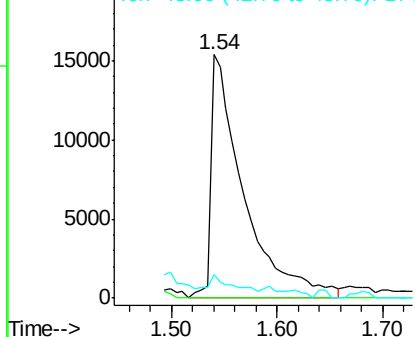
#2

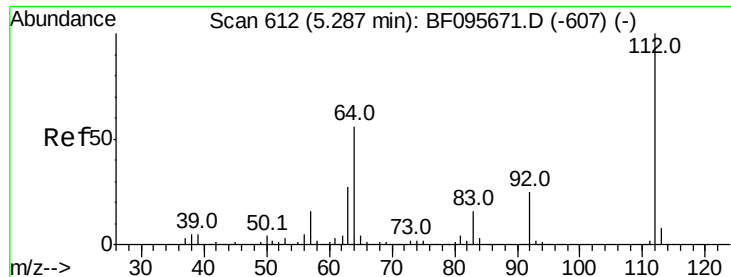
1,4-Dioxane
Concen: 16.70 ng
RT: 1.54 min Scan# 9
Delta R.T. -0.07 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion: 88 Resp: 33200
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 4.0 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: 5.52 ng

RT: 5.24 min Scan# 638

Delta R.T. 0.06 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

Instrument :

BNA_F

ClientSampleId :

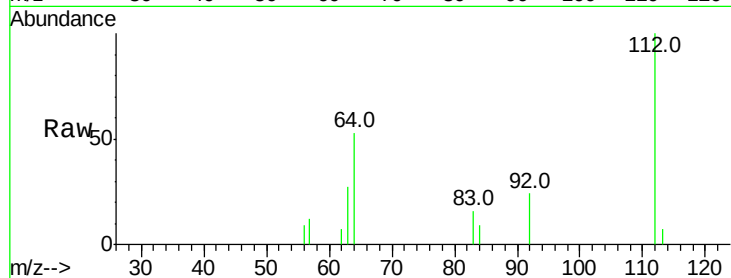
Tot Ion: 112 Resp: 23082

Ion Ratio Lower Upper

112 100

64 53.3 46.0 69.0

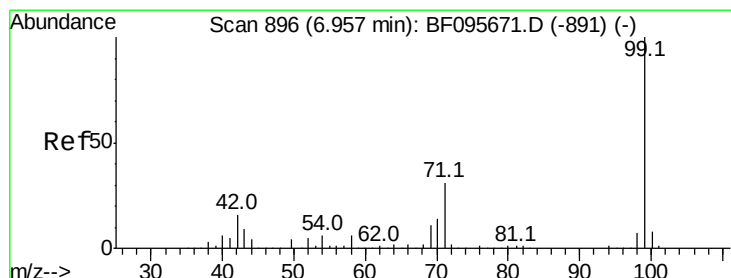
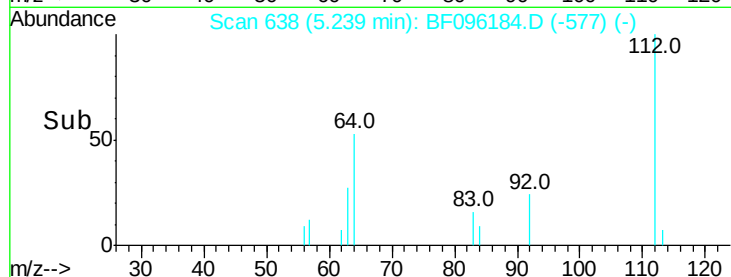
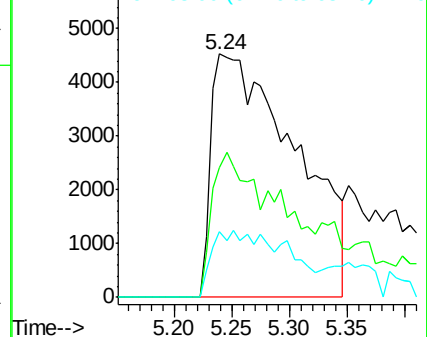
63 26.8 23.4 35.0



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: 5.15 ng

RT: 6.93 min Scan# 926

Delta R.T. 0.06 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

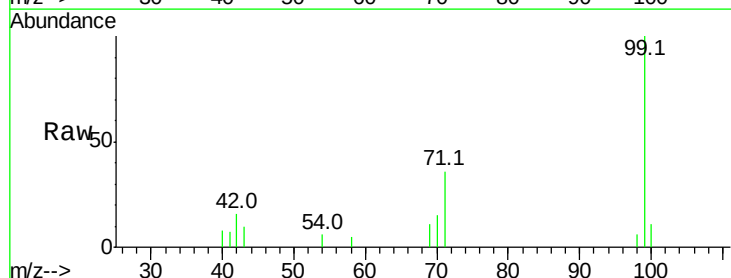
Tgt Ion: 99 Resp: 25776

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

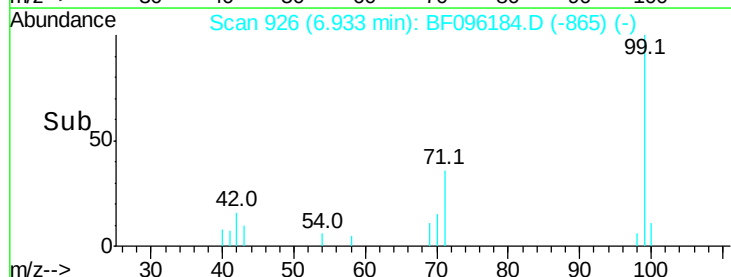
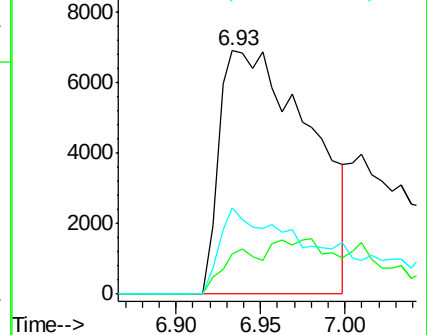
71 35.5 24.5 36.7

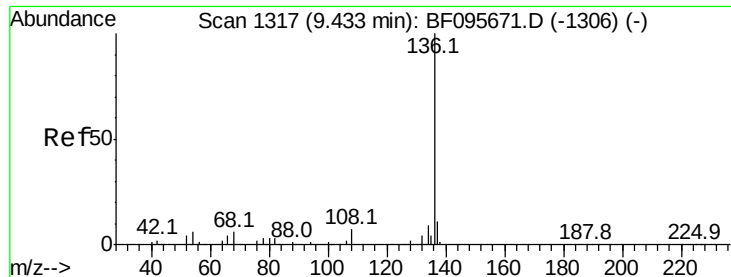


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.30 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 278487

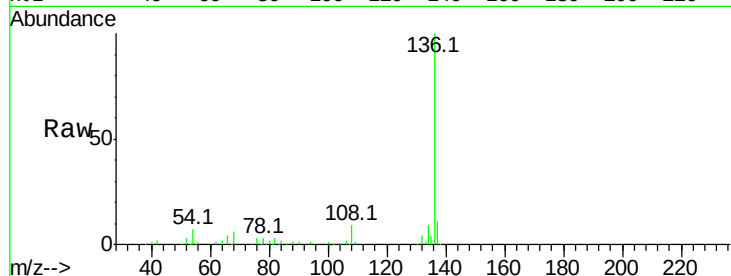
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.7 4.9 7.3

68 5.8 4.1 6.1

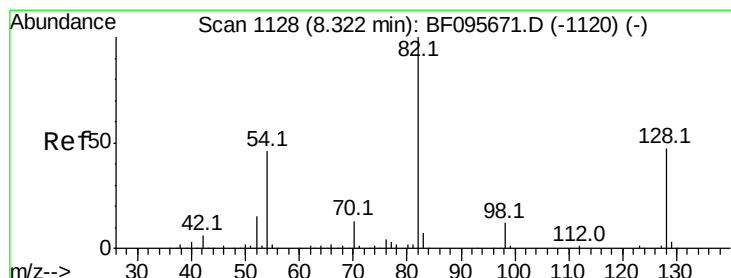
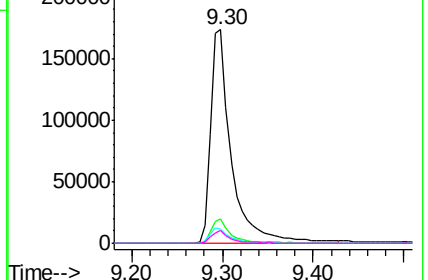
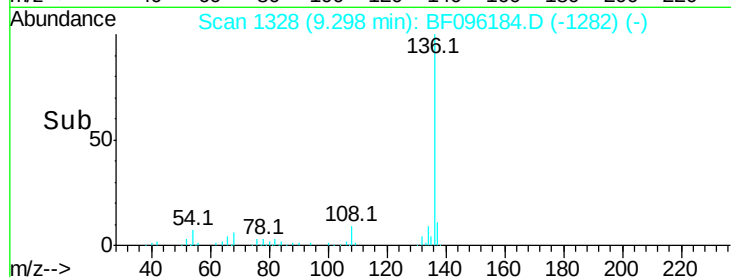


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.51 ng

RT: 8.23 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

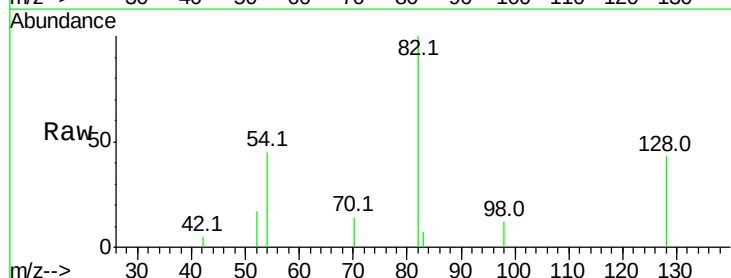
Tgt Ion: 82 Resp: 24725

Ion Ratio Lower Upper

82 100

128 42.6 34.0 51.0

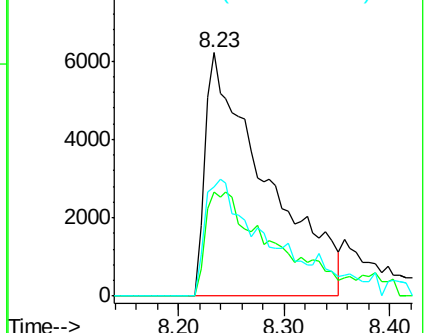
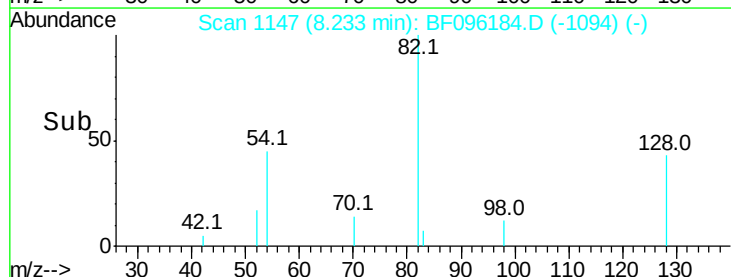
54 44.7 42.2 63.2

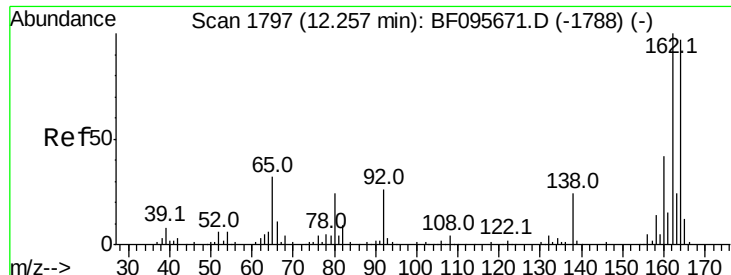


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

Instrument :

BNA_F

ClientSampleId :

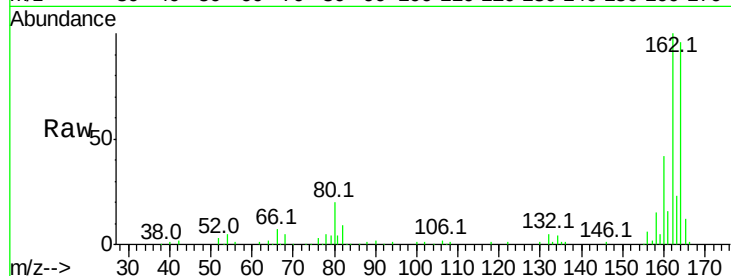
Tot Ion:164 Resp: 124273

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

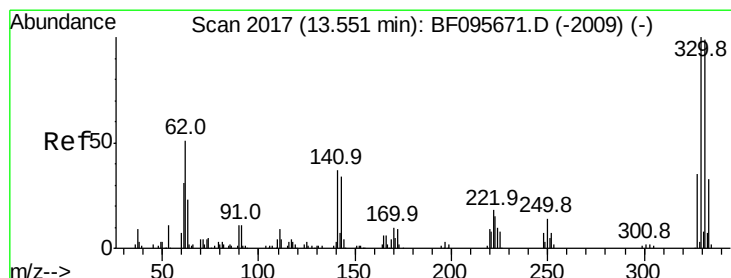
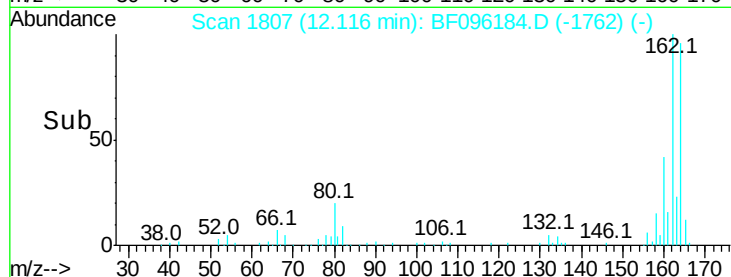
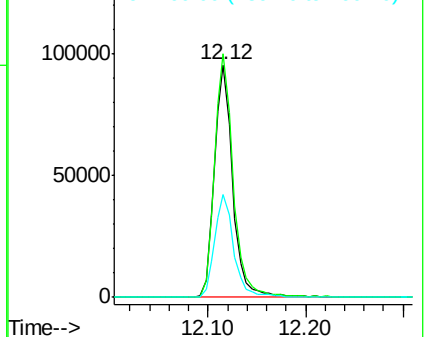
160 44.2 36.2 54.2



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: 7.21 ng

RT: 13.44 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

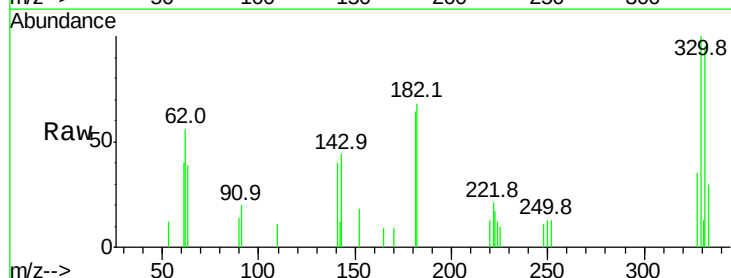
Tgt Ion:330 Resp: 7929

Ion Ratio Lower Upper

330 100

332 102.5 76.6 115.0

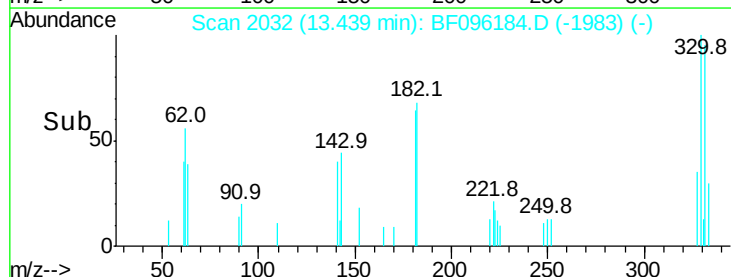
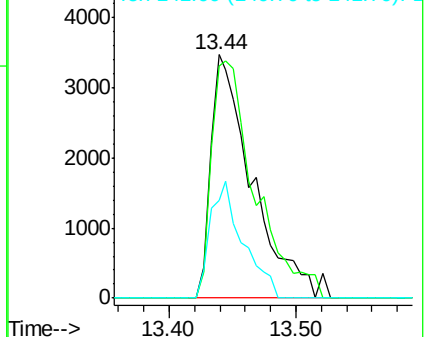
141 37.9 31.4 47.2

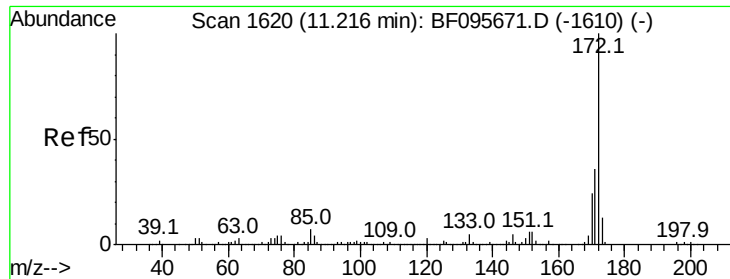


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

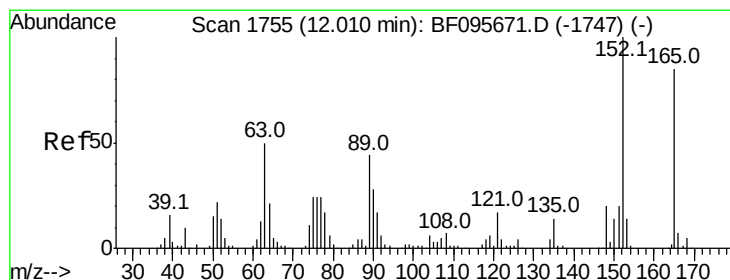
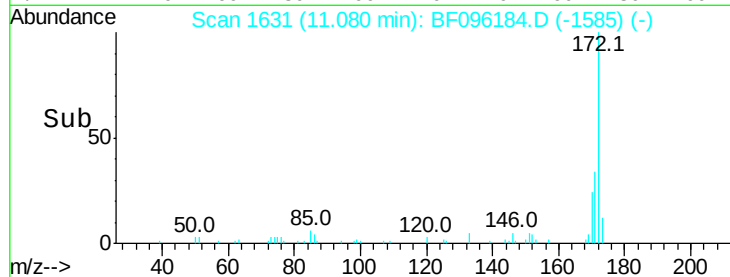
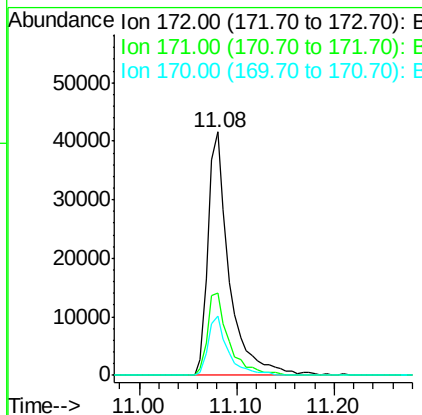
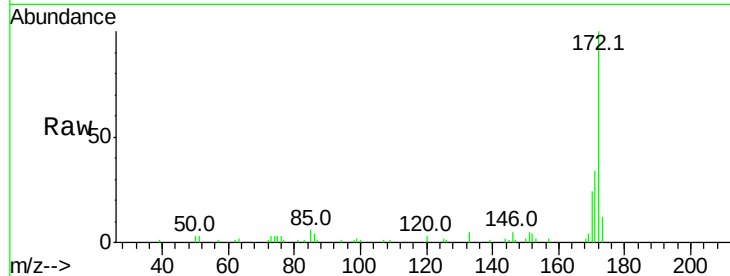




#44
 2-Fluorobiphenyl
 Concen: 7.05 ng
 RT: 11.08 min Scan# 1631
 Delta R.T. -0.03 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

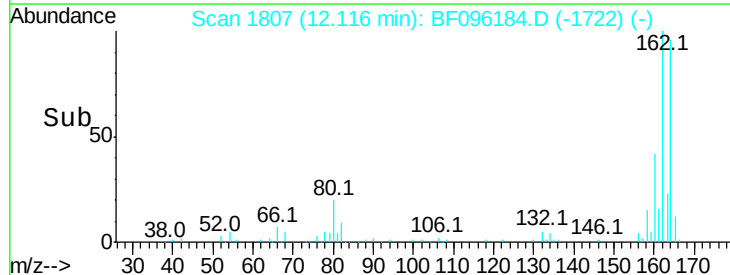
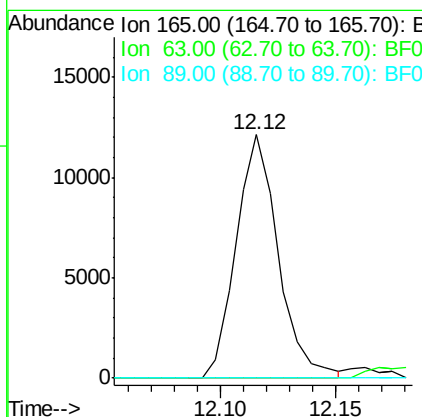
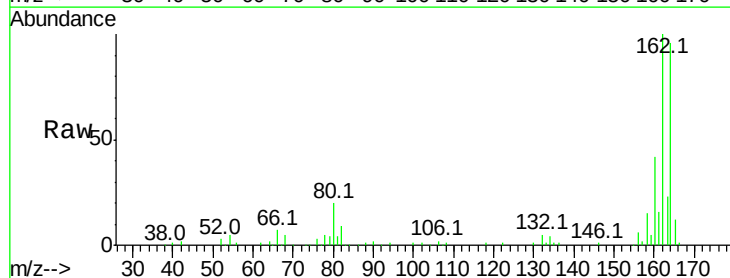
Instrument :
 BNA_F
 ClientSampled :

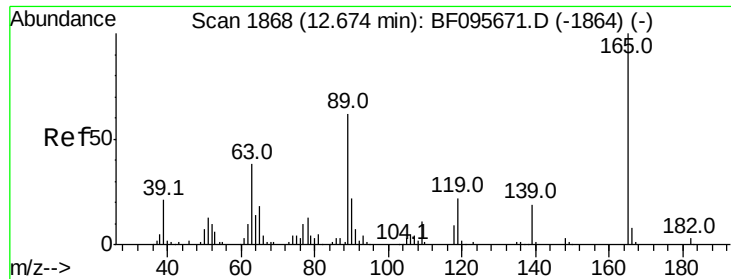
Tot Ion:172 Resp: 62967
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.6 44.4
 170 24.2 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.51 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. 0.20 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

Tgt Ion:165 Resp: 15452
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

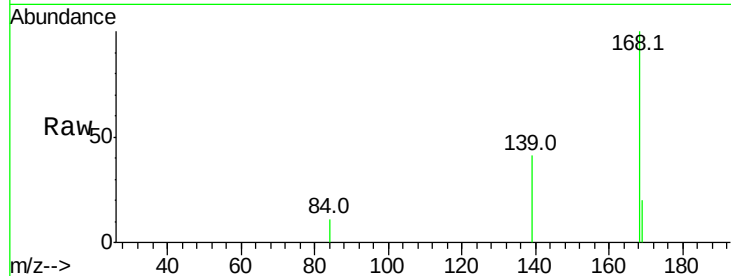




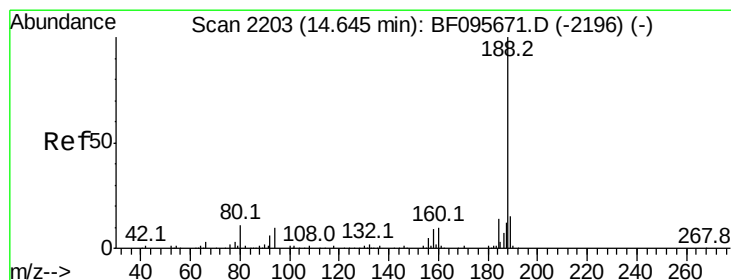
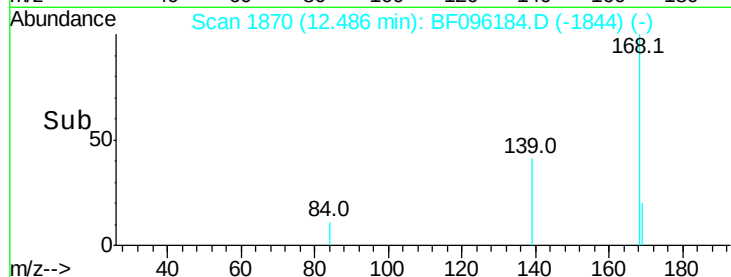
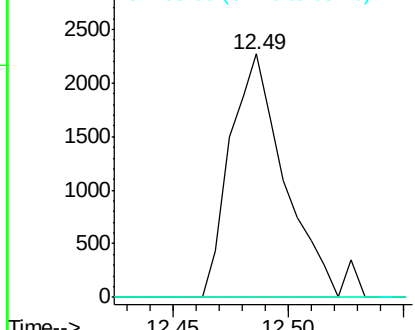
#55
4-Nitrophenol
Concen: 7.10 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.15 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3680
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

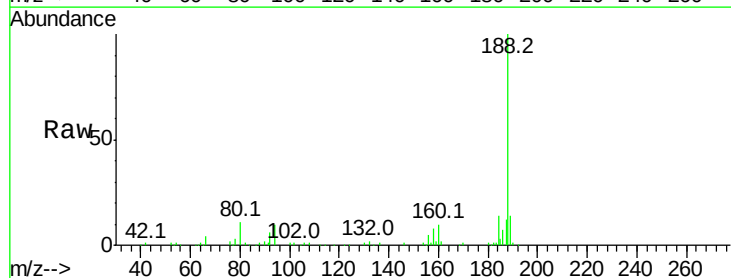


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

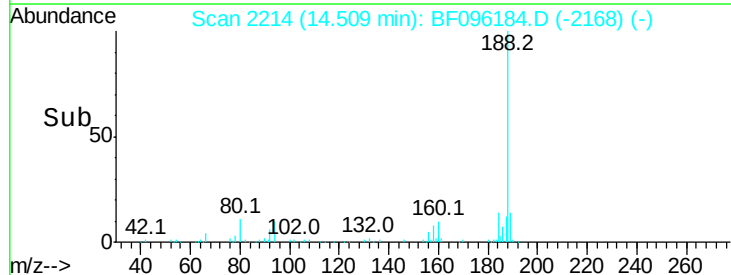
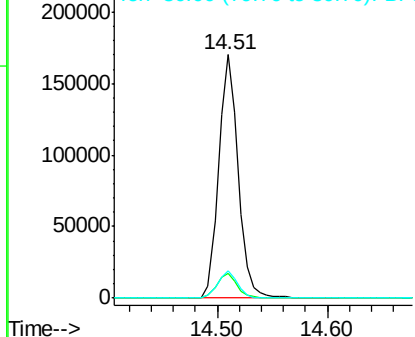


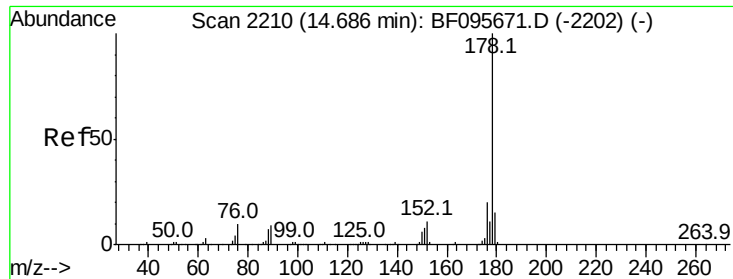
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion:188 Resp: 209300
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.2 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

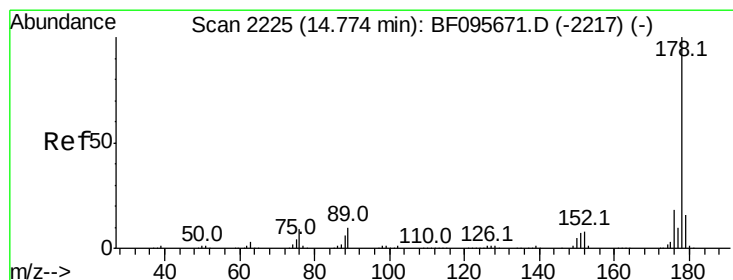
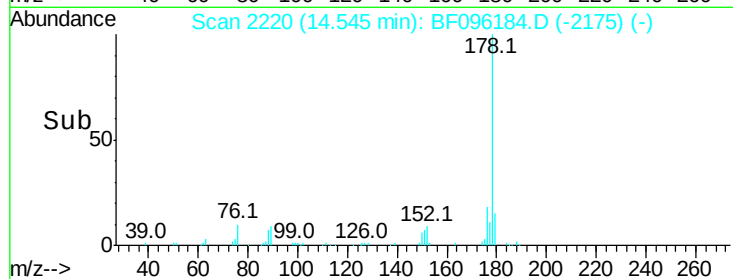
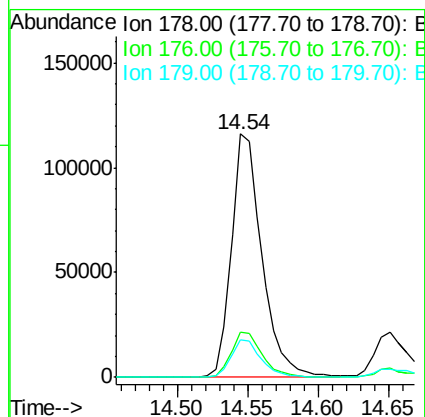
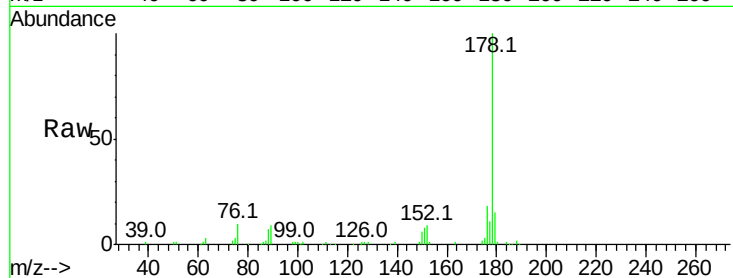




#70
Phenanthrene
Concen: 14.49 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.04 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

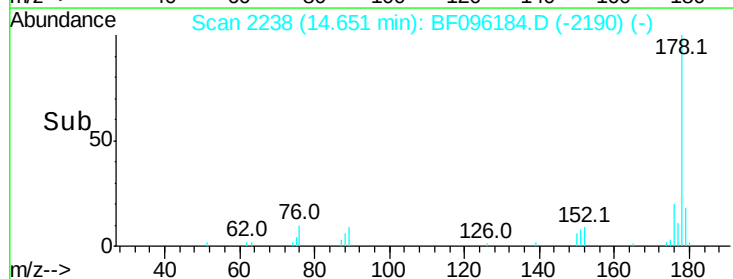
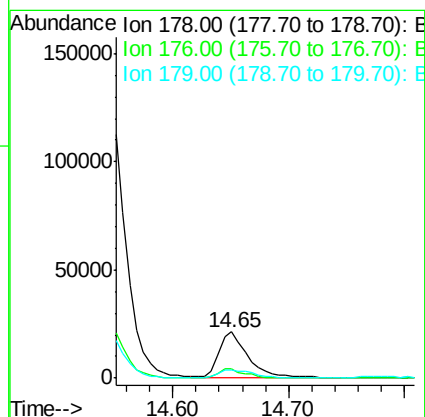
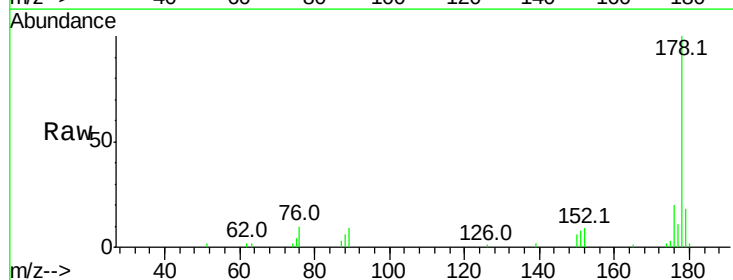
Instrument :
BNA_F
ClientSampleId :

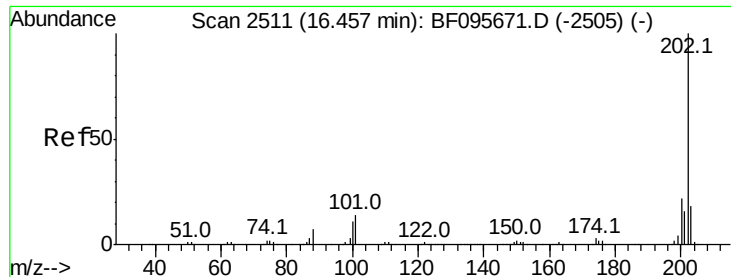
Tot Ion:178 Resp: 175031
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 3.06 ng
RT: 14.65 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion:178 Resp: 38588
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 18.3 12.7 19.1

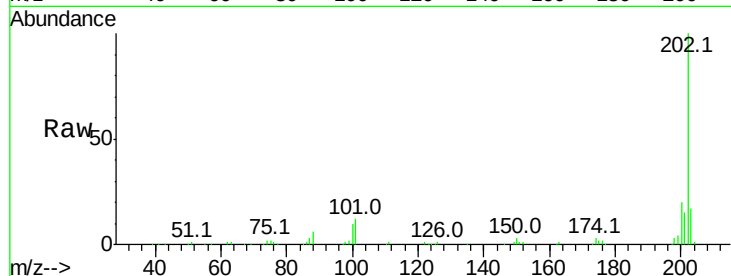




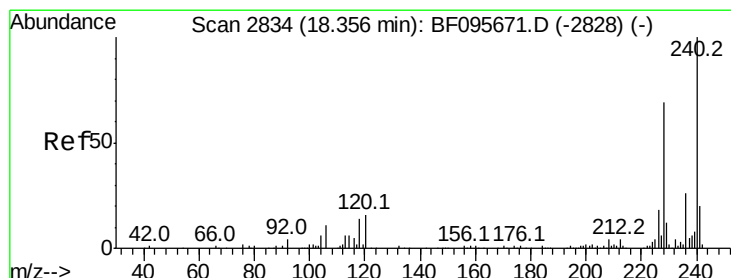
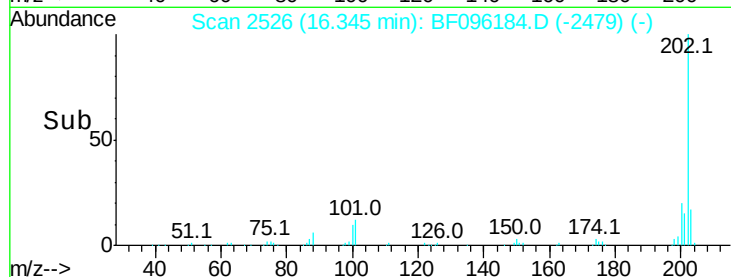
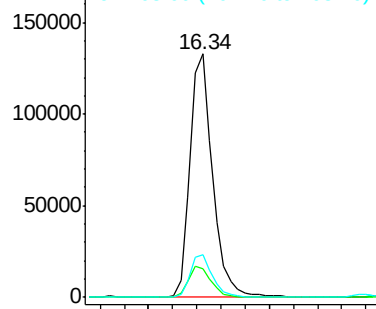
#74
 Fluoranthene
 Concen: 14.38 ng
 RT: 16.34 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.4	0.0	38.1

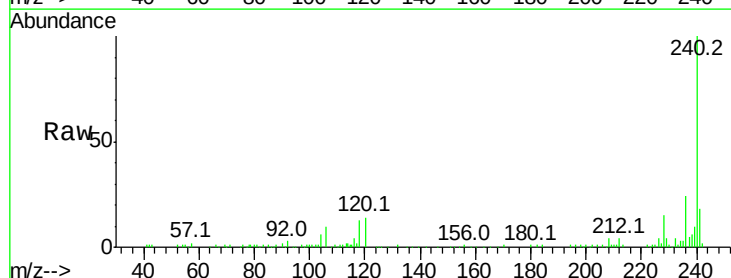


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

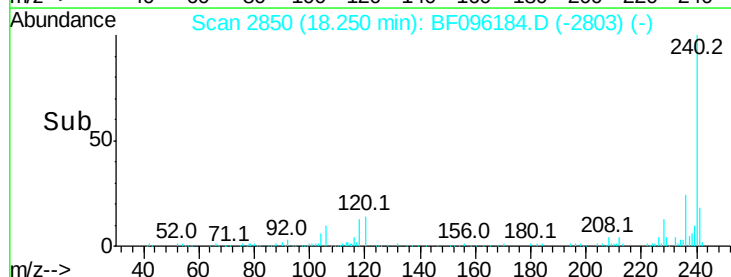
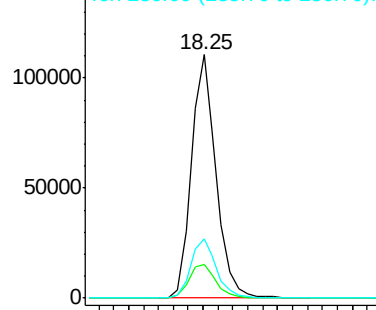


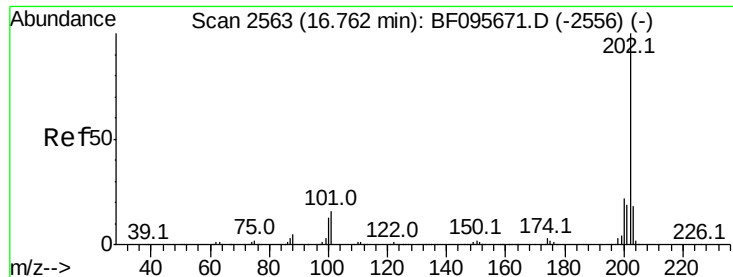
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.02 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	24.2	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

Pvrene

Concen: 15.60 ng

RT: 16.64 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

Instrument :

BNA_F

ClientSampleId :

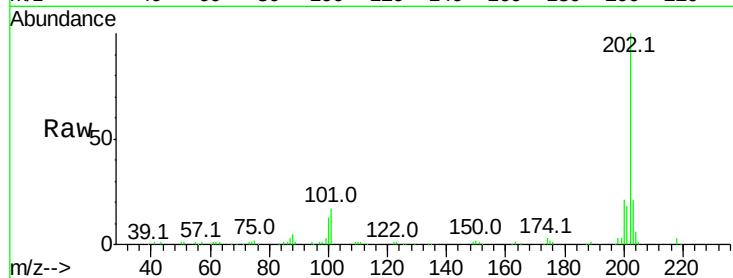
Tot Ion:202 Resp: 148772

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

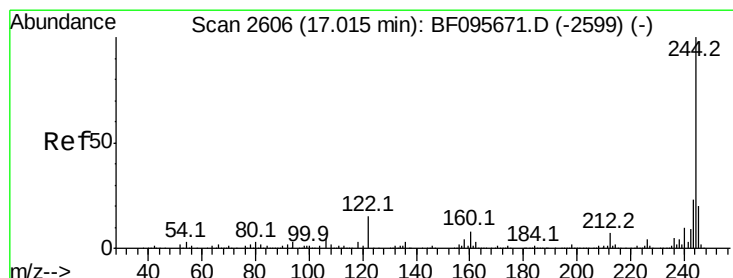
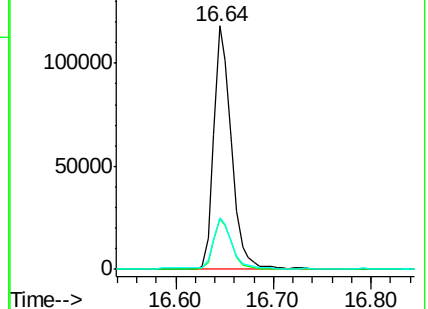
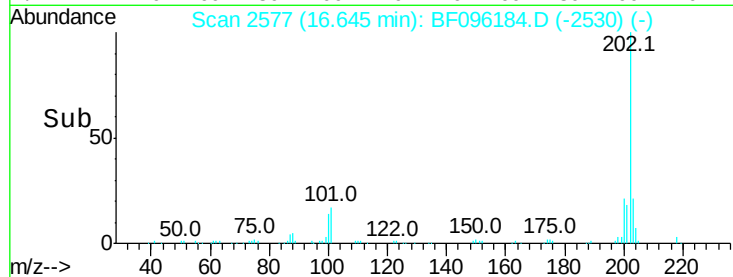
203 21.0 14.4 21.6



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: 7.55 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096184.D

Acq: 24 Jun 2017 11:49

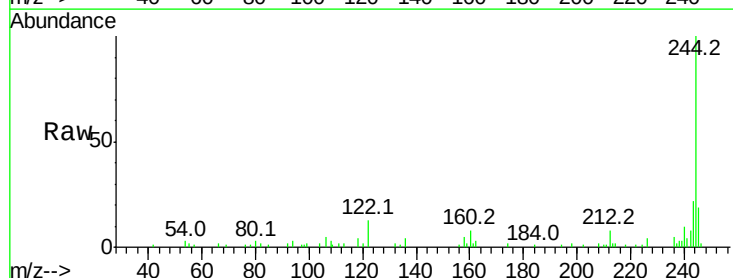
Tgt Ion:244 Resp: 38857

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

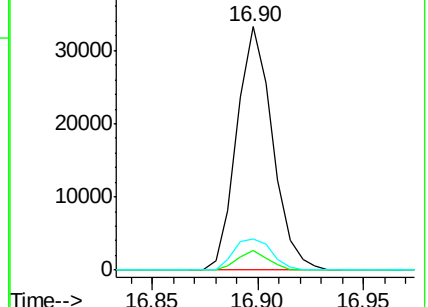
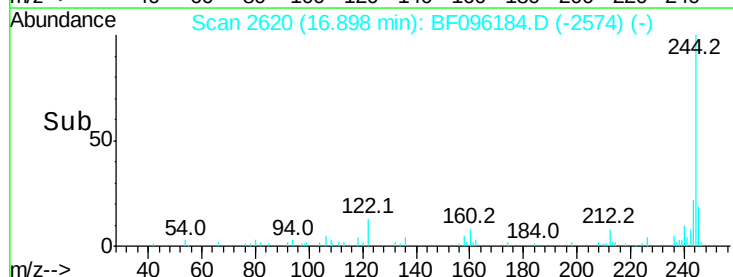
122 13.0 10.3 15.5

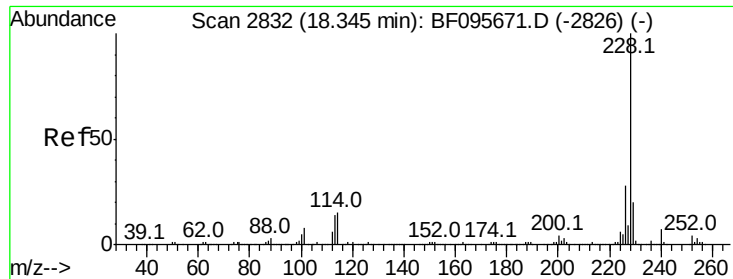


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

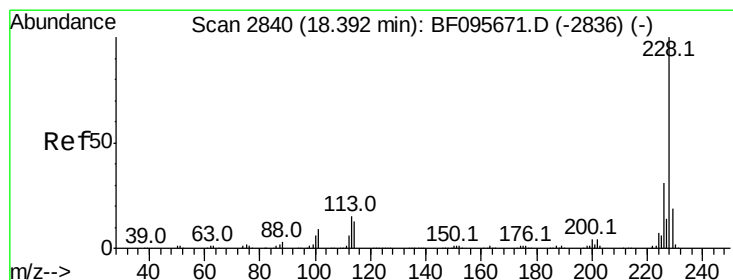
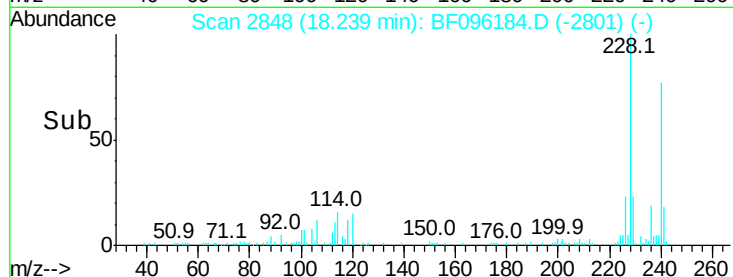
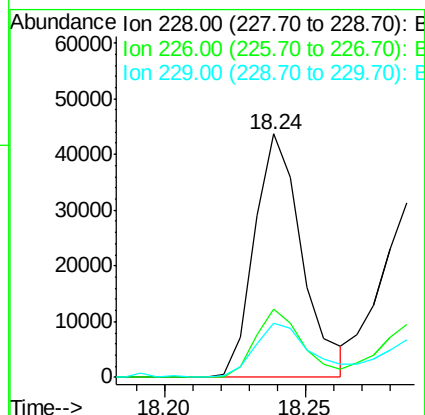
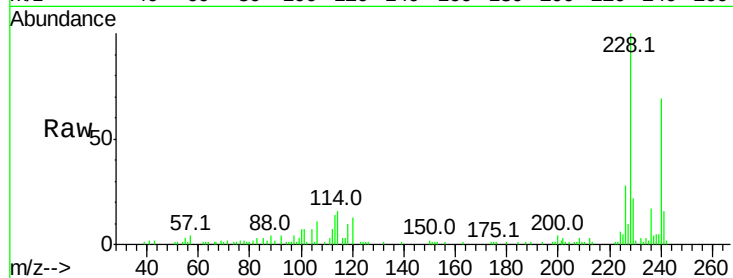




#80
Benzo(a)anthracene
Concen: 6.89 ng
RT: 18.24 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

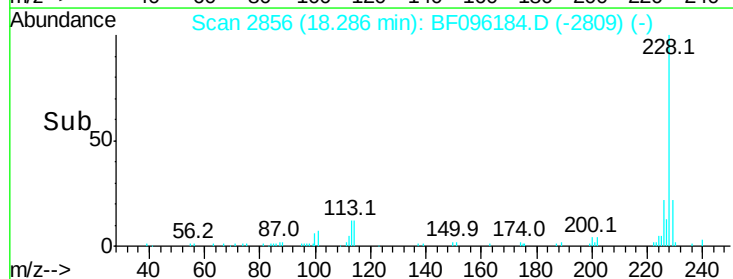
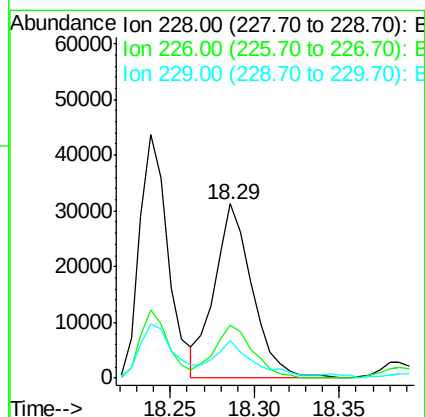
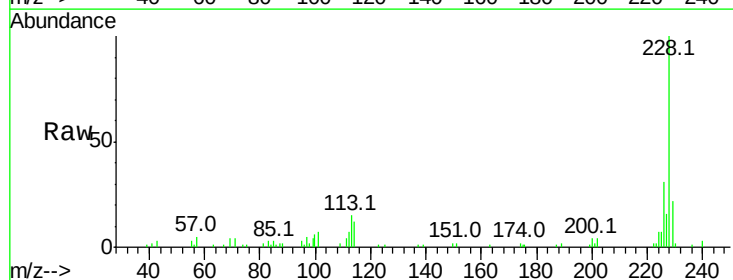
Instrument :
BNA_F
ClientSampled :

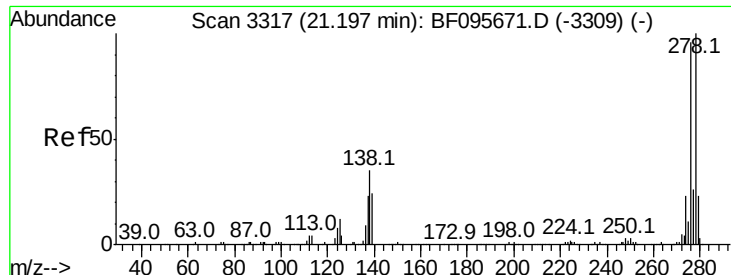
Tot Ion:228 Resp: 51229
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 22.4 16.3 24.5



#82
Chrysene
Concen: 6.59 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion:228 Resp: 48931
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 21.7 15.8 23.6

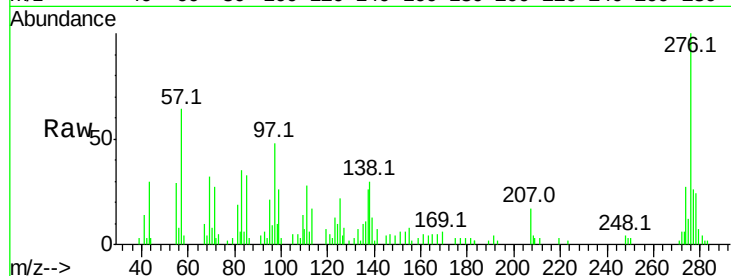




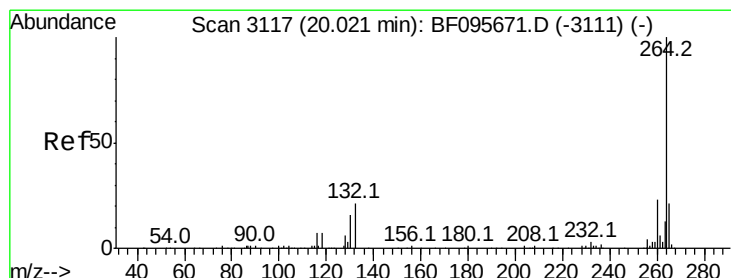
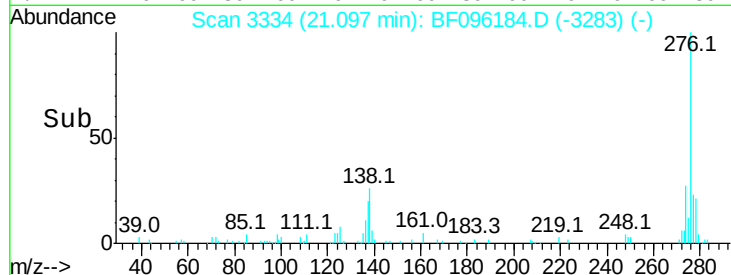
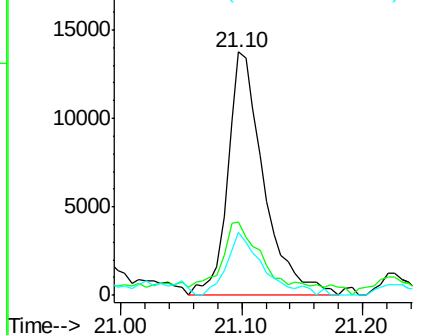
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.49 ng
 RT: 21.10 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.9	27.8	41.6
277	26.0	20.2	30.4

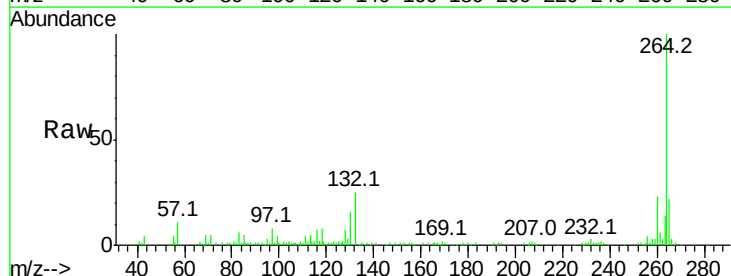


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

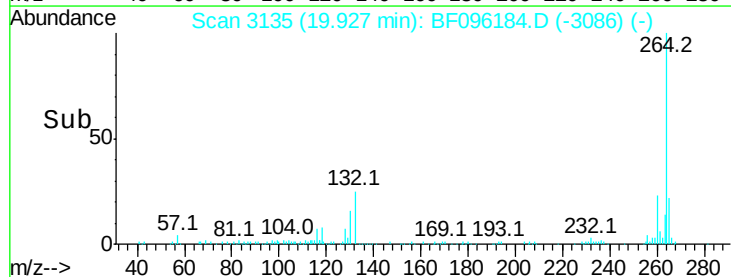
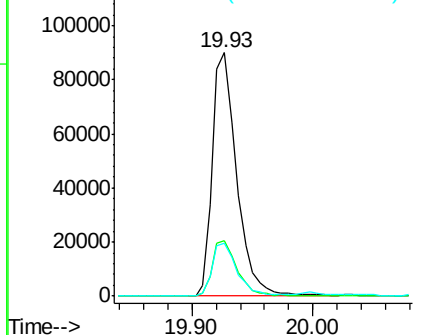


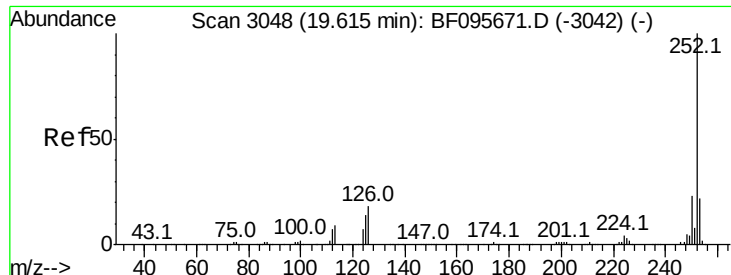
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.93 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BF096184.D
 Acq: 24 Jun 2017 11:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.0	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

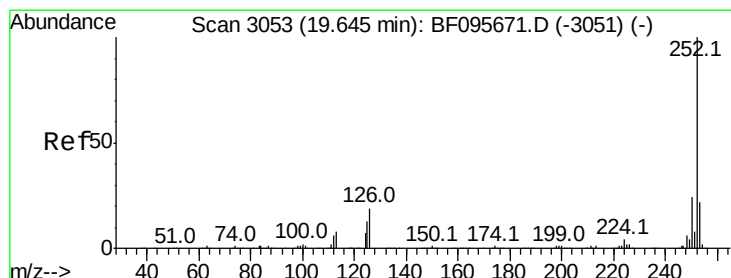
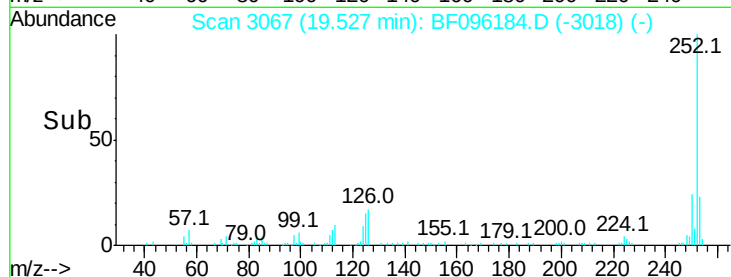
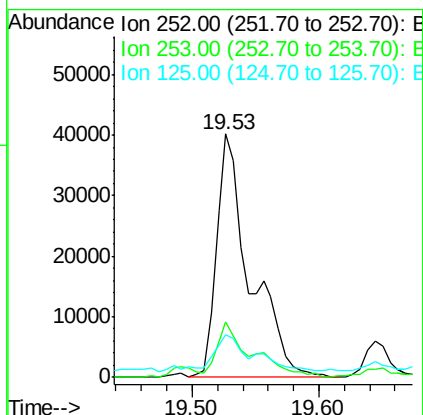
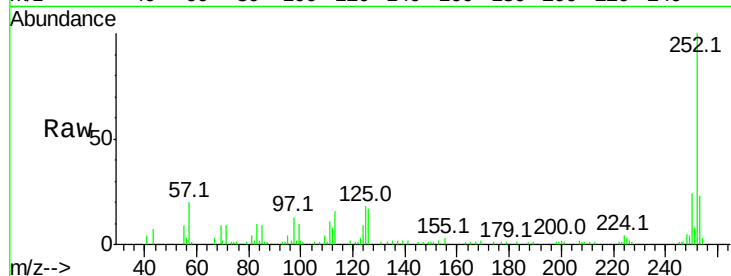




#87
Benzo(b)fluoranthene
Concen: 9.47 ng
RT: 19.53 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

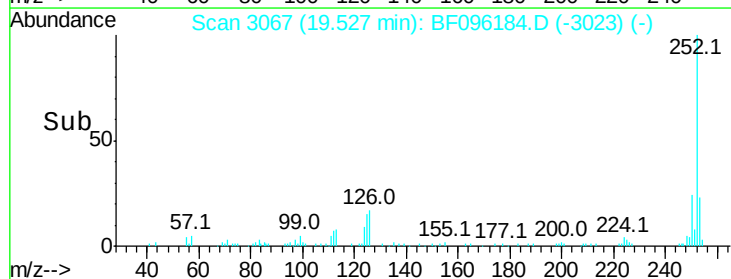
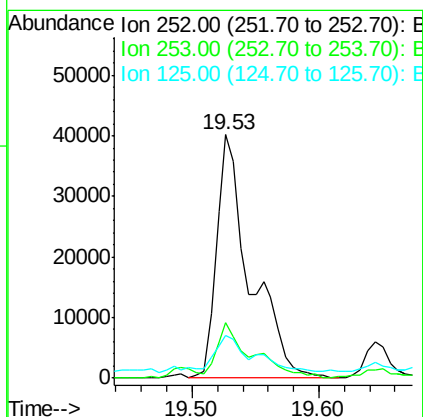
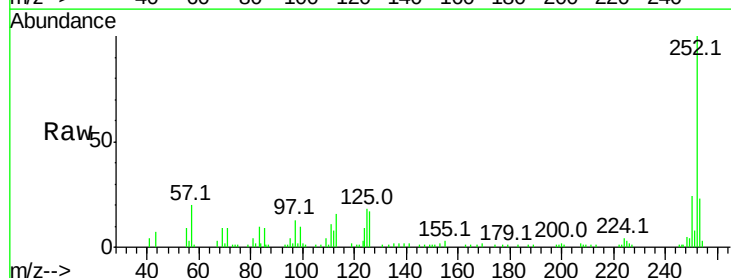
Instrument :
BNA_F
ClientSampled :

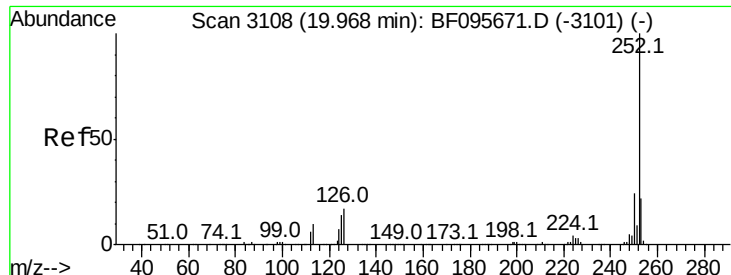
Tot Ion:252 Resp: 74307
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 17.7 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 9.91 ng
RT: 19.53 min Scan# 3067
Delta R.T. -0.04 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion:252 Resp: 74307
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 17.7 13.1 19.7

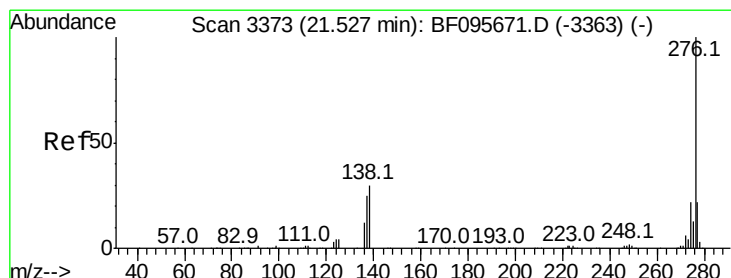
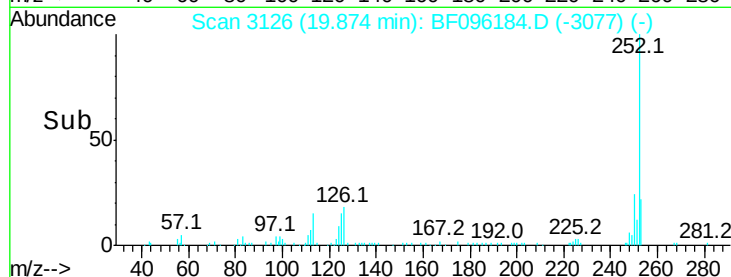
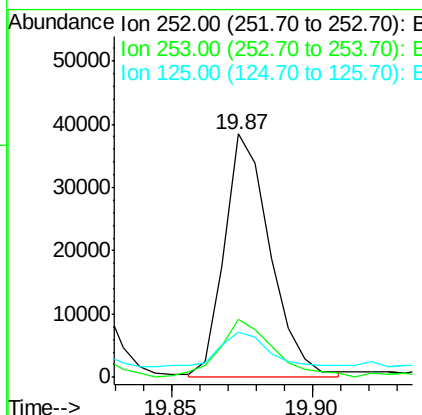
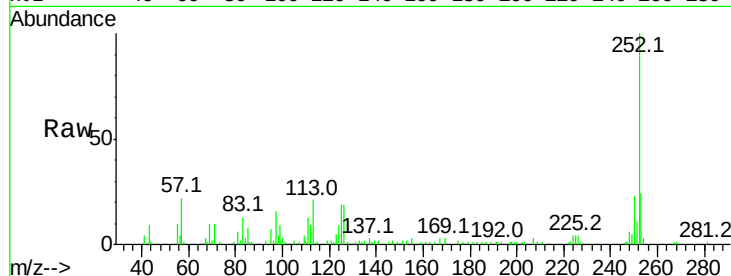




#89
Benzo(a)pyrene
Concen: 6.05 ng
RT: 19.87 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 43600
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 18.6 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.19 ng
RT: 21.43 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BF096184.D
Acq: 24 Jun 2017 11:49

Tgt Ion:276 Resp: 26133
Ion Ratio Lower Upper
276 100
277 25.3 18.6 28.0
138 27.2 25.4 38.0

