

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095022.D
 Acq On : 9 May 2017 14:15
 Operator : SJ/MA
 Sample : I3022-01DL 500X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 16:03:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	76270	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	281051	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	128278	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	214555	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	193286	20.00	ng	-0.02
86) Perylene-d12	20.30	264	149686	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.52	172	895	0.10	ng	0.00
78) Terphenyl-d14	17.29	244	944	0.11	ng	-0.02

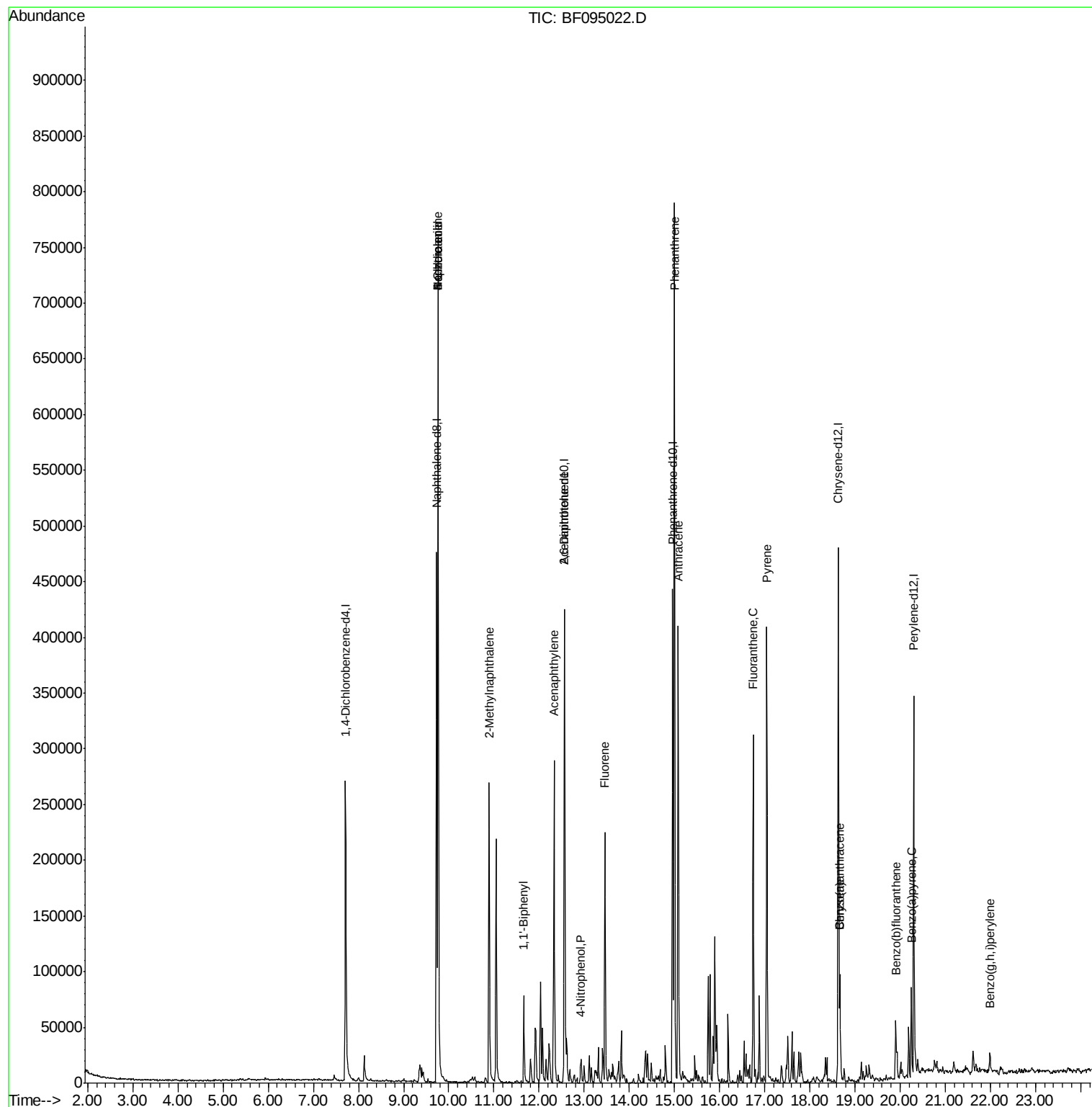
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	9.77	128	501625	35.51	ng	99
32) Benzoic acid	9.77	122	750	5.33	ng	# 1
33) 4-Chloroaniline	9.77	127	66518	12.64	ng	# 35
37) 2-Methylnaphthalene	10.90	142	114591	12.36	ng	97
45) 1,1'-Biphenyl	11.66	154	43334	4.01	ng	95
48) Acenaphthylene	12.33	152	186525	13.66	ng	98
50) 2,6-Dinitrotoluene	12.56	165	12306	5.73	ng	# 31
55) 4-Nitrophenol	12.92	139	4111	2.97	ng	# 25
57) Fluorene	13.46	166	88615	9.03	ng	97
70) Phenanthrene	15.00	178	417597	33.87	ng	98
71) Anthracene	15.08	178	234277	18.60	ng	99
74) Fluoranthene	16.74	202	167306	13.23	ng	98
77) Pvrene	17.05	202	215398	14.90	ng	98
80) Benzo(a)anthracene	18.67	228	51137	4.55	ng	96
82) Chrysene	18.67	228	51137	4.70	ng	99
87) Benzo(b)fluoranthene	19.90	252	43466	4.70	ng	95
89) Benzo(a)pvrene	20.25	252	35524	4.16	ng	98
91) Benzo(g,h,i)perylene	21.99	276	14273	2.06	ng	94

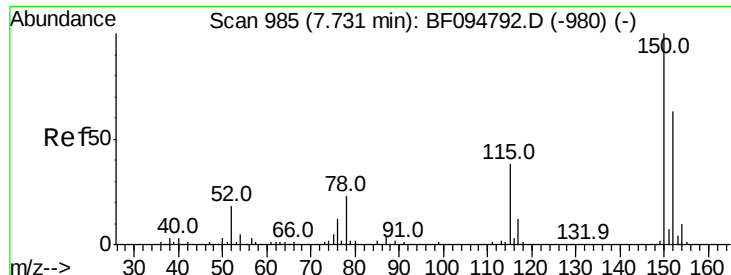
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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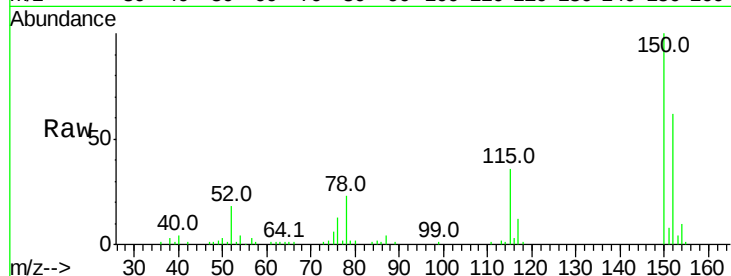


#1

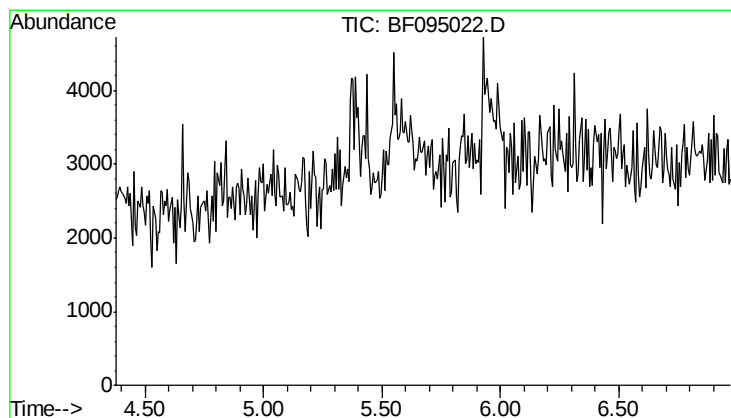
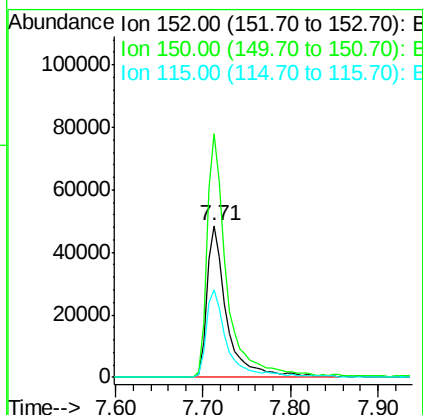
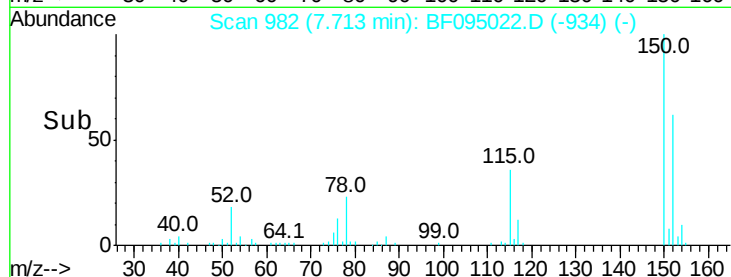
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76270
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.2
115 57.5 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

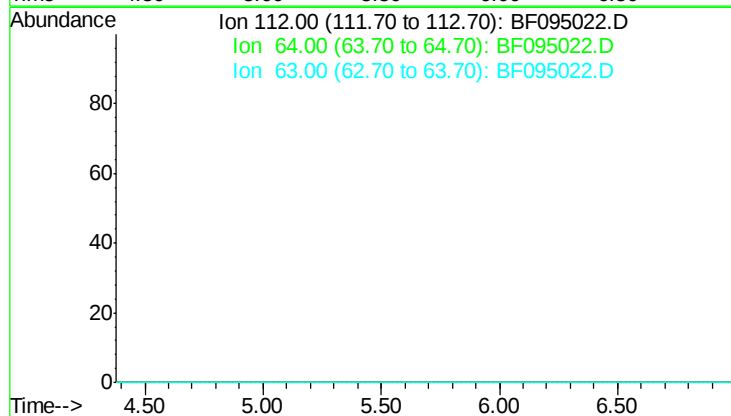


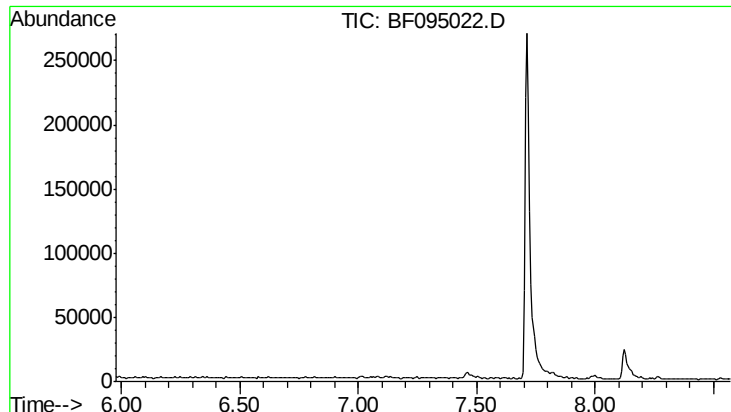
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.68 min

Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion: 112
Sig Exp Ratio
112 100
64 57.5
63 29.2

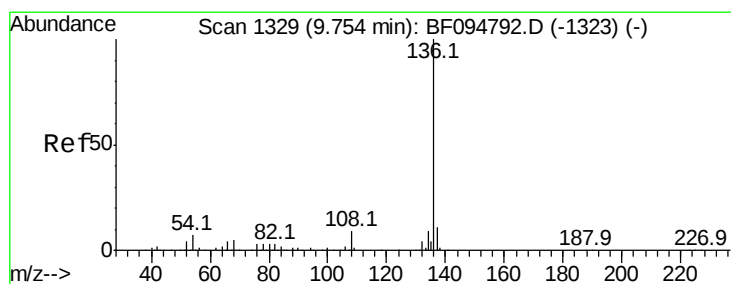
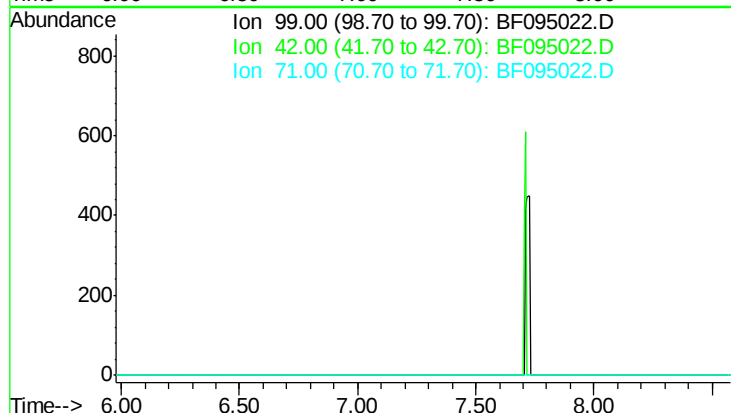




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 7.28 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

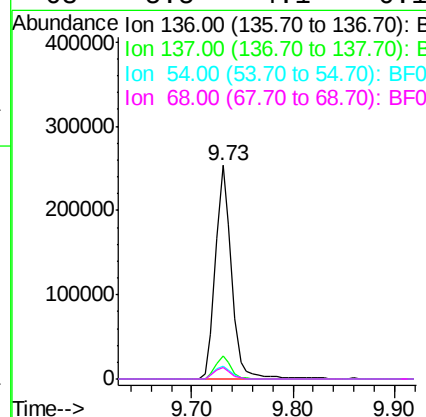
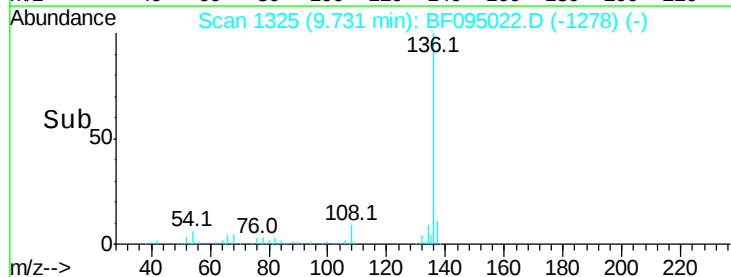
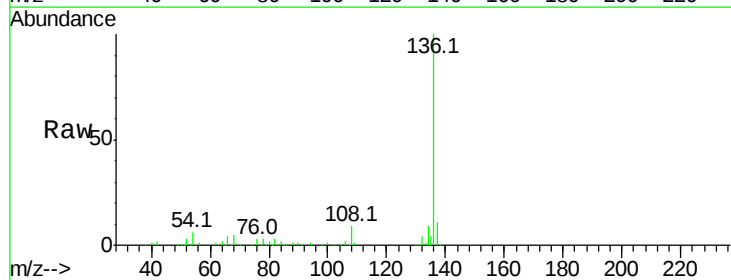
Instrument :
 BNA_F
 ClientSampleId :

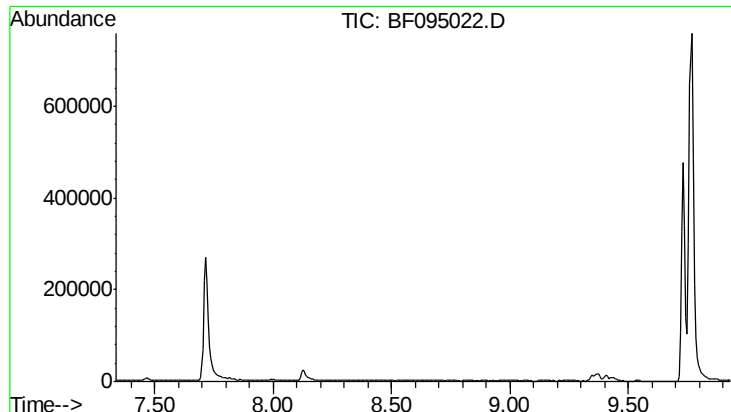
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 16.9
 71 30.6



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.73 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion: 136 Resp: 281051
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.5 12.7
 54 6.3 4.9 7.3
 68 5.5 4.1 6.1

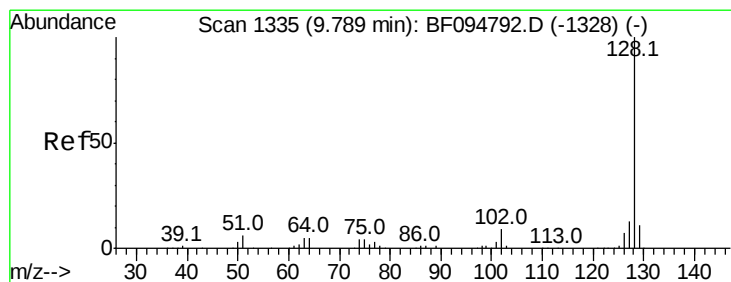
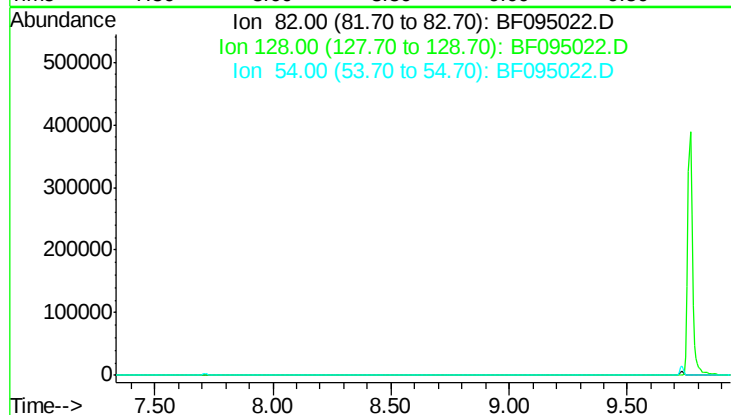




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.64 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

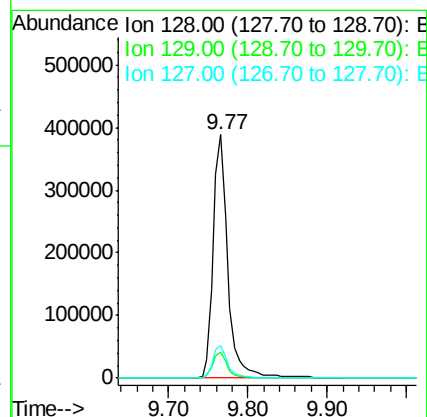
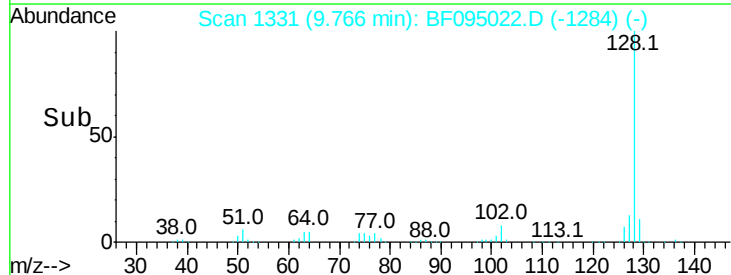
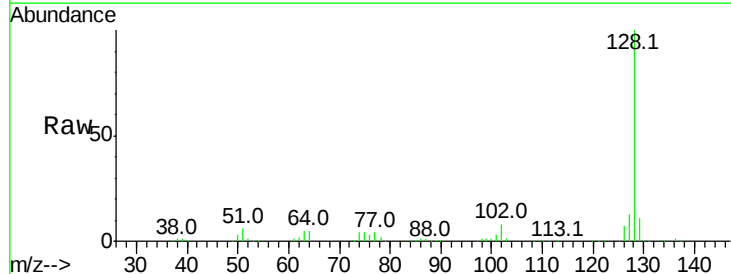
Instrument :
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 ClientSampleId :

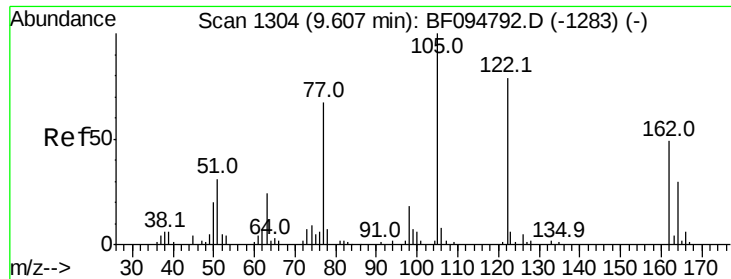
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 42.5
 54 52.7



#31
 Naphthalene
 Concen: 35.51 ng
 RT: 9.77 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion: 128 Resp: 501625
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.0 13.6
 127 13.4 10.8 16.2

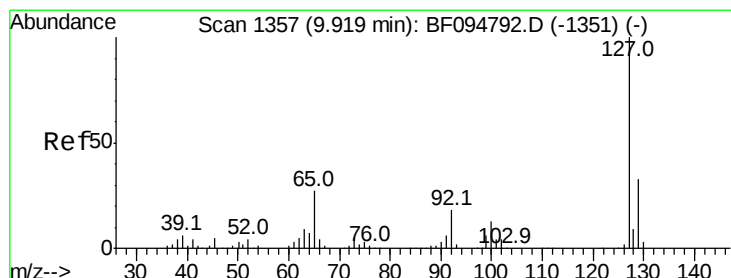
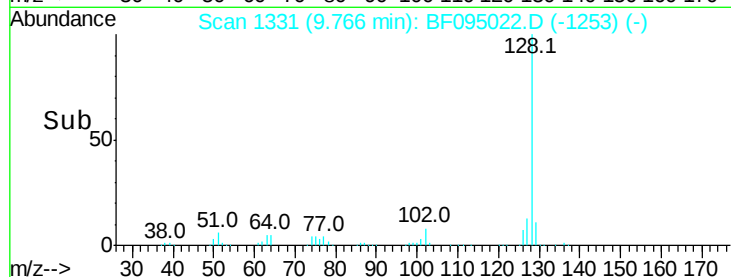
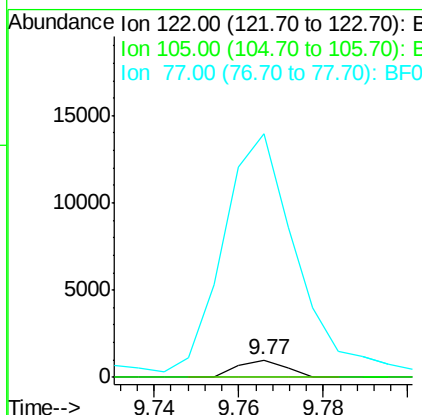
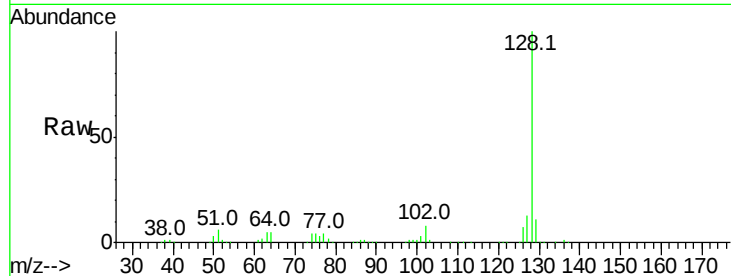




#32
Benzoic acid
Concen: 5.33 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.16 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

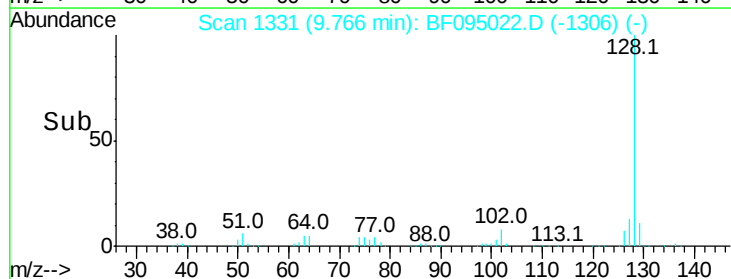
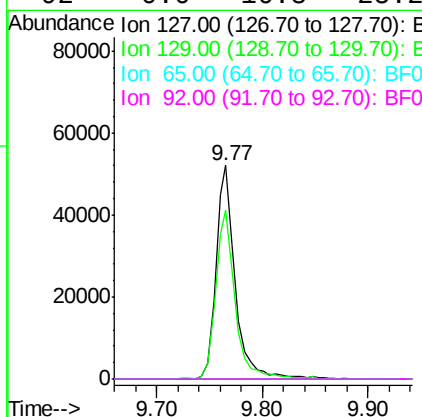
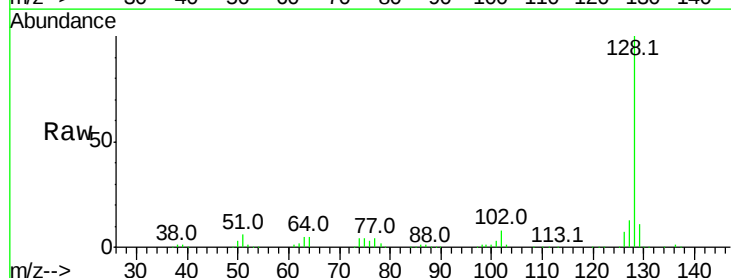
Instrument :
BNA_F
ClientSampleId :

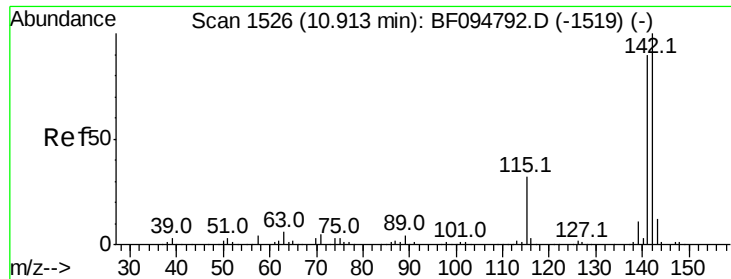
Tot Ion:122 Resp: 750
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 1431.0 73.7 113.7#



#33
4-Chloroaniline
Concen: 12.64 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.15 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:127 Resp: 66518
Ion Ratio Lower Upper
127 100
129 79.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

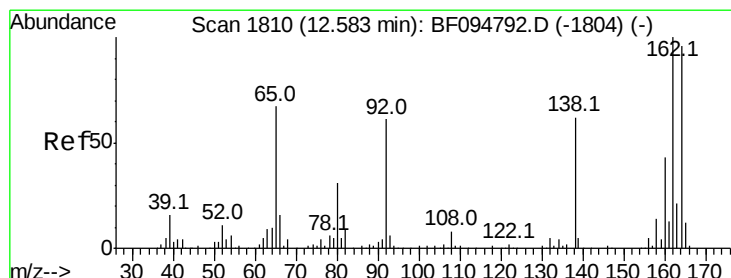
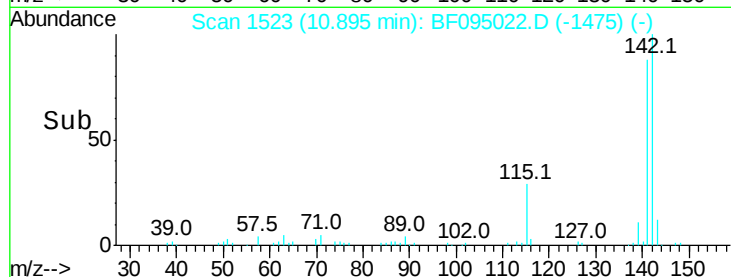
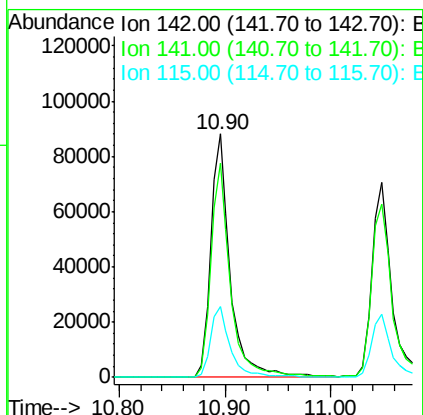
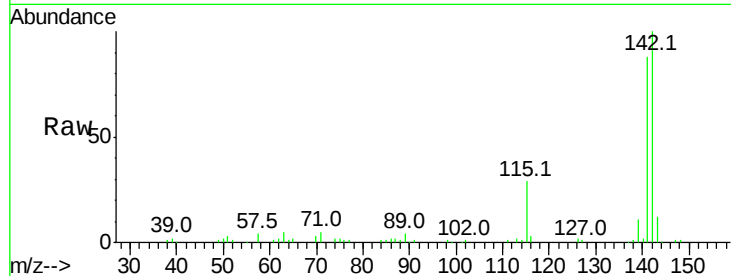




#37
2-Methylnaphthalene
Concen: 12.36 ng
RT: 10.90 min Scan# 1523
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

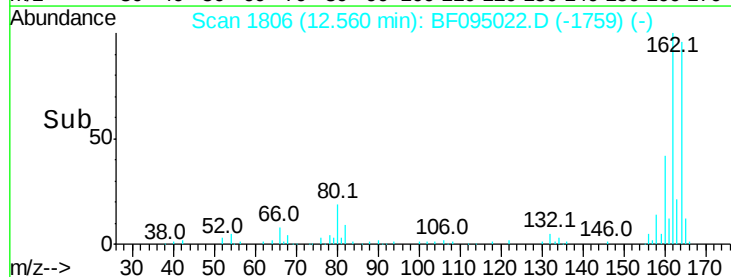
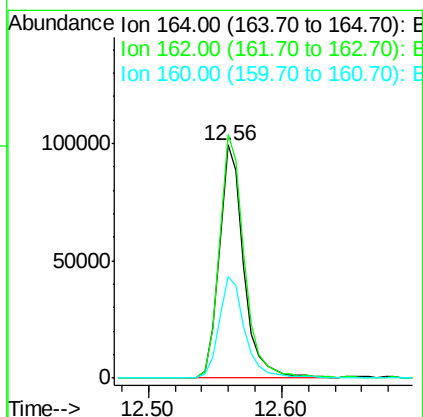
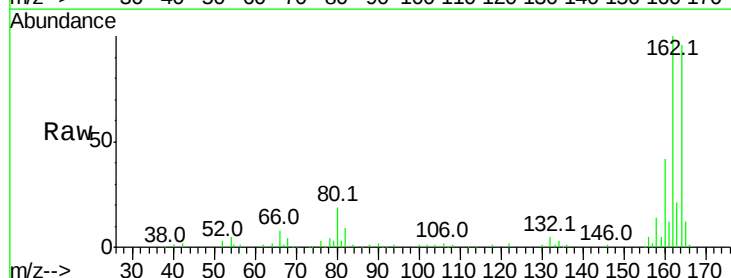
Instrument :
BNA_F
ClientSampled :

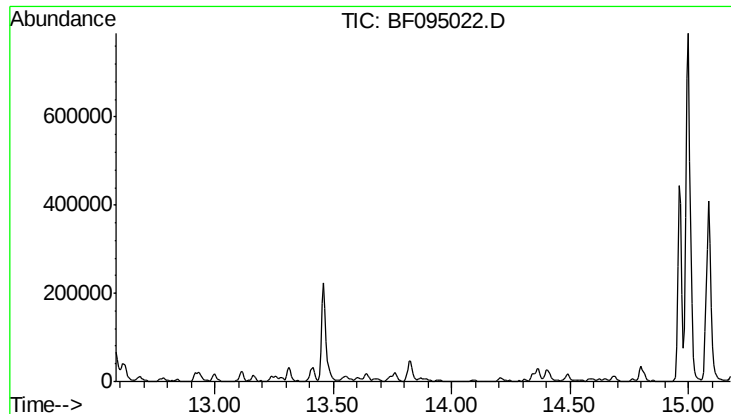
Tot Ion:142 Resp: 114591
Ion Ratio Lower Upper
142 100
141 88.1 71.3 106.9
115 29.0 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:164 Resp: 128278
Ion Ratio Lower Upper
164 100
162 104.5 82.6 123.8
160 43.8 36.2 54.2

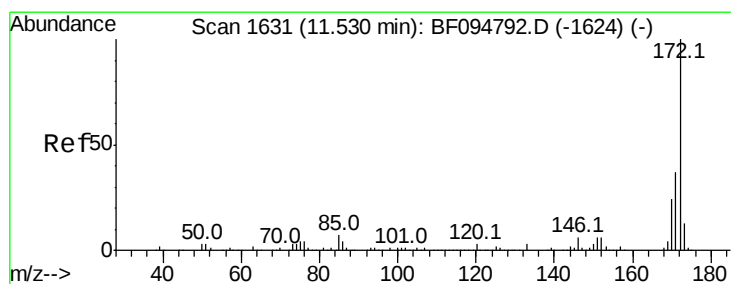
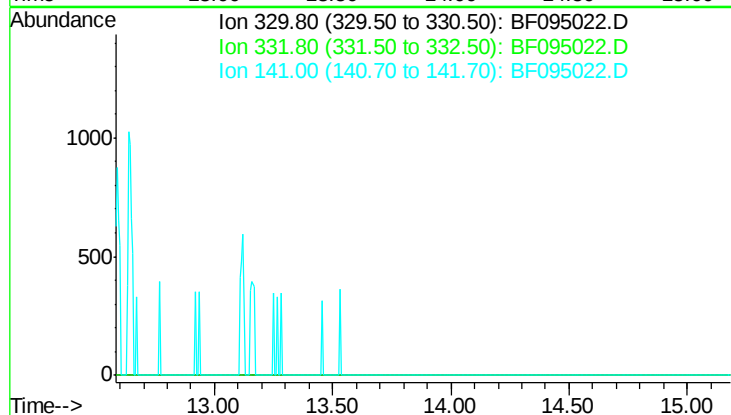




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 13.88 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

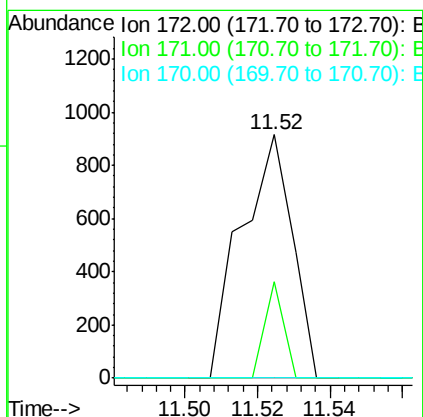
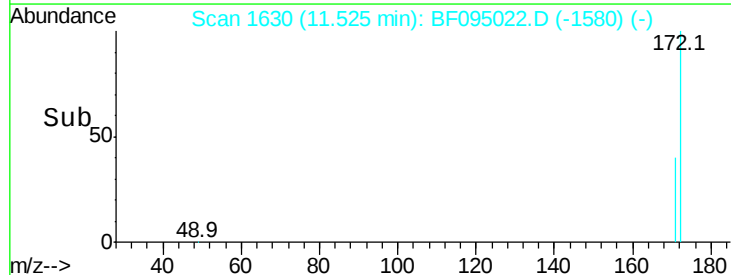
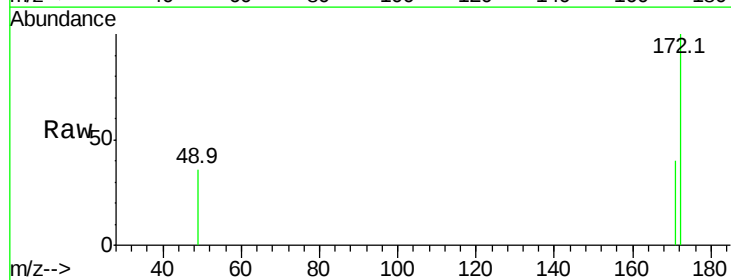
Instrument :
 BNA_F
 ClientSampleId :

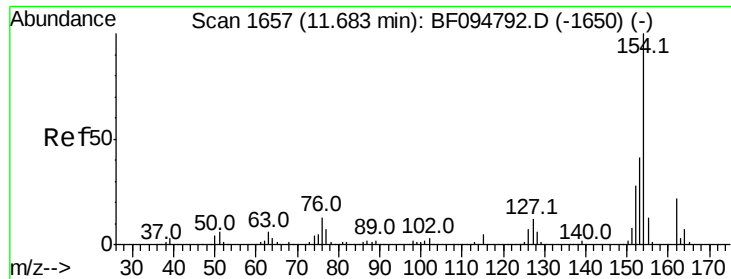
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#44
 2-Fluorobiphenyl
 Concen: 0.10 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion: 172 Resp: 895
 Ion Ratio Lower Upper
 172 100
 171 39.7 29.6 44.4
 170 0.0 19.8 29.8#

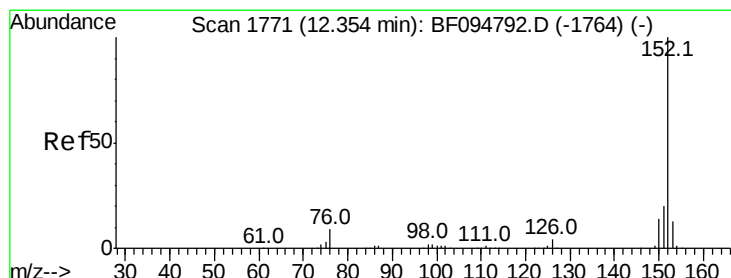
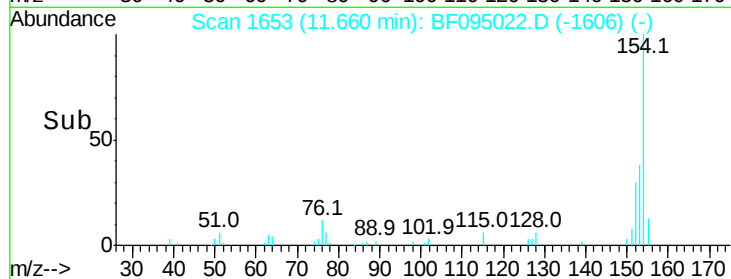
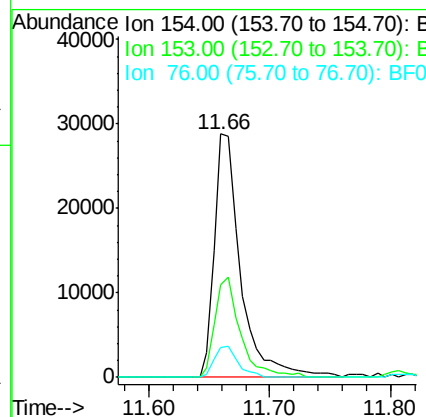
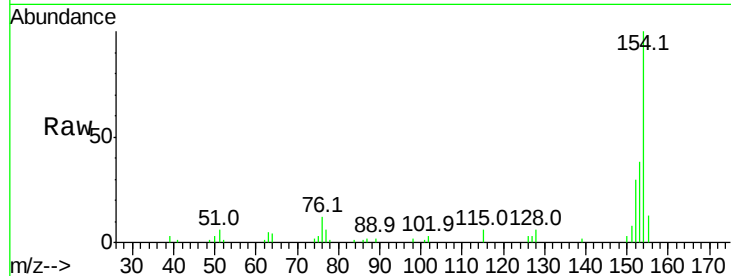




#45
 1,1'-Biphenyl
 Concen: 4.01 ng
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

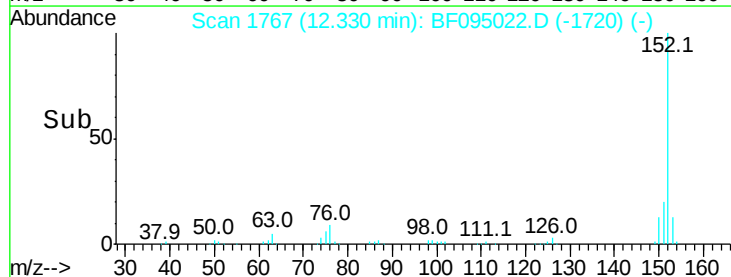
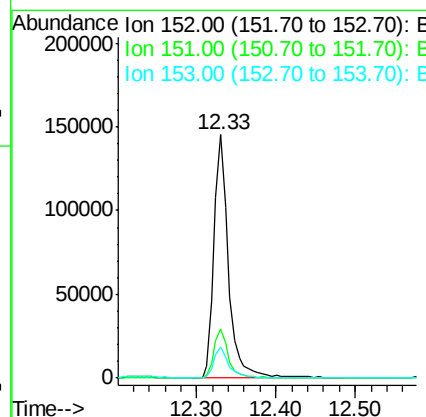
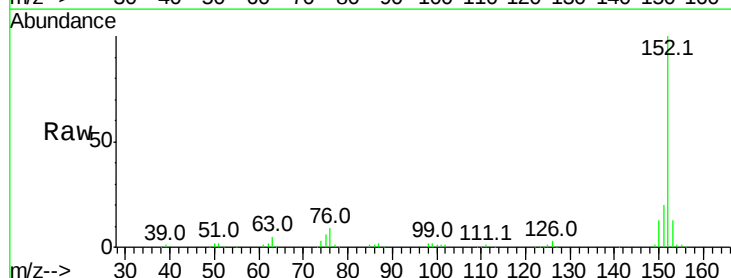
Instrument :
 BNA_F
 ClientSampleId :

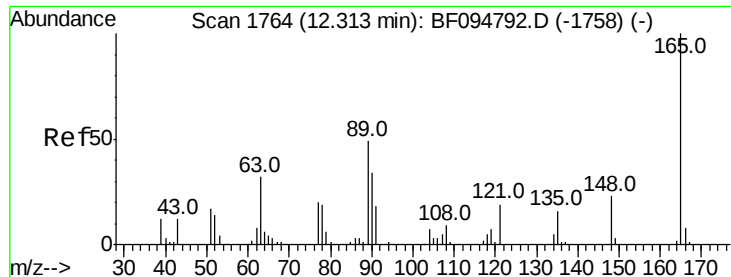
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.0	21.2	61.2
76	12.4	0.0	29.9



#48
 Acenaphthylene
 Concen: 13.66 ng
 RT: 12.33 min Scan# 1767
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.0	10.8	16.2

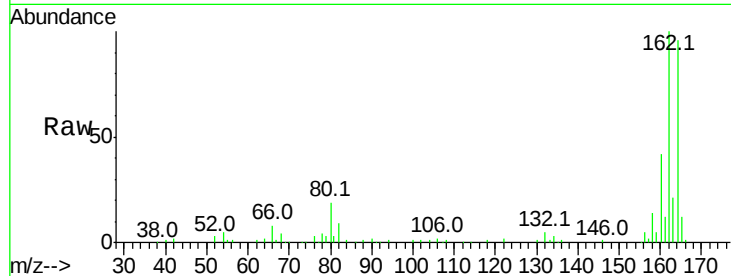




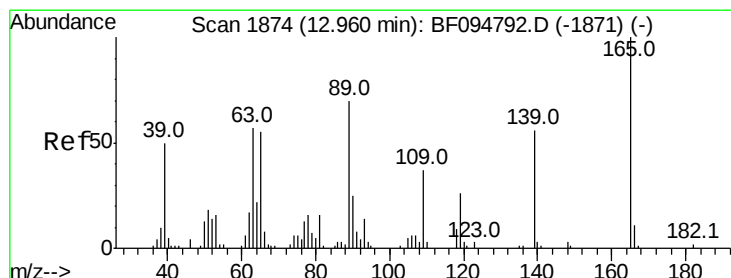
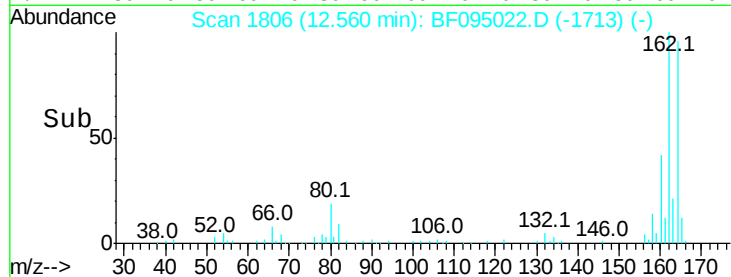
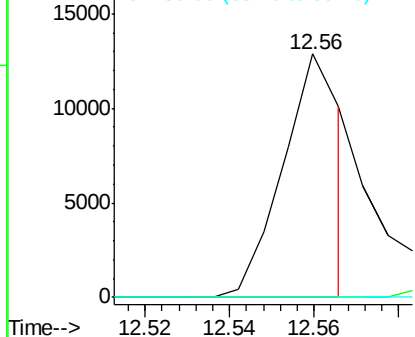
#50
 2,6-Dinitrotoluene
 Concen: 5.73 ng
 RT: 12.56 min Scan# 1806
 Delta R.T. 0.25 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Instrument :
 BNA_F
 ClientSampleId :

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

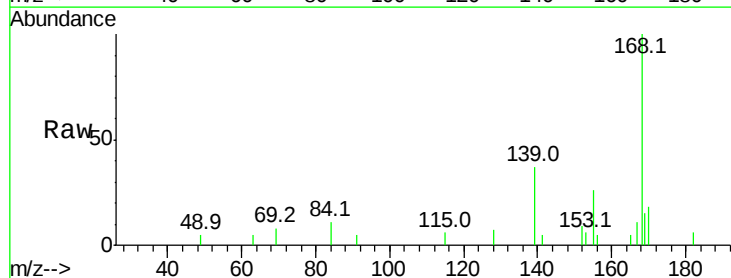


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

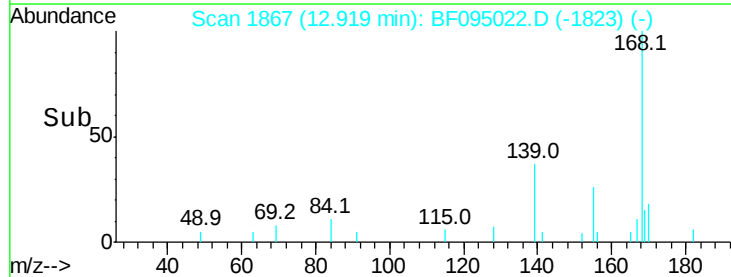
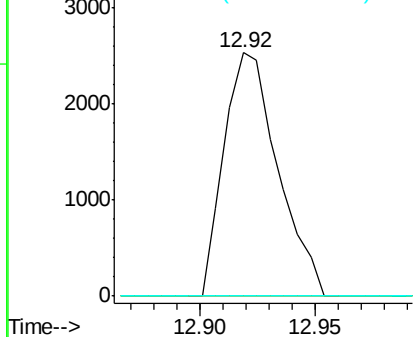


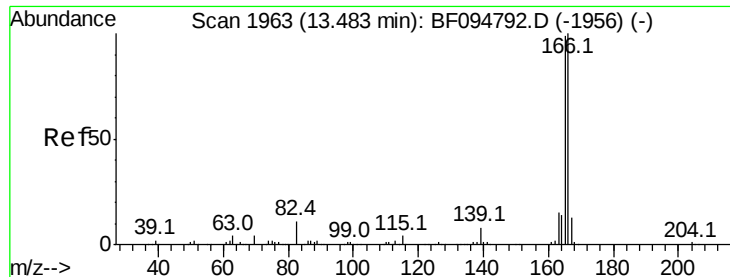
#55
 4-Nitrophenol
 Concen: 2.97 ng
 RT: 12.92 min Scan# 1867
 Delta R.T. -0.04 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

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





#57

Fluorene

Concen: 9.03 ng

RT: 13.46 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Instrument :

BNA_F

ClientSampleId :

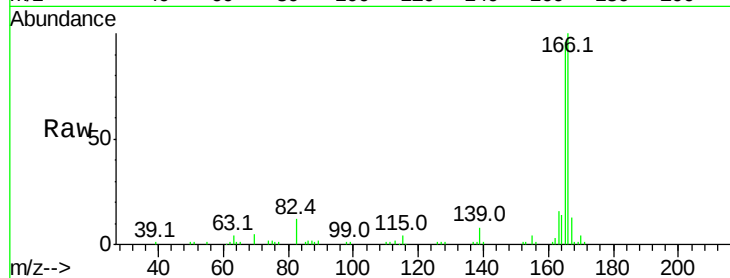
Tot Ion:166 Resp: 88615

Ion Ratio Lower Upper

166 100

165 95.5 78.8 118.2

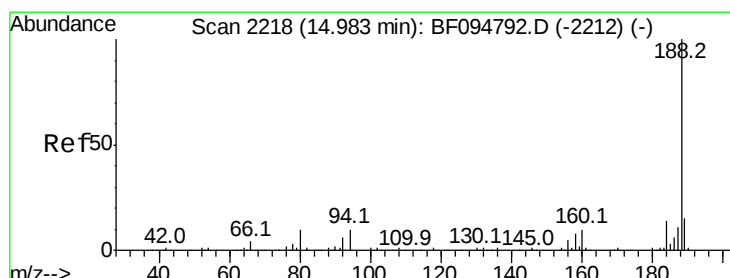
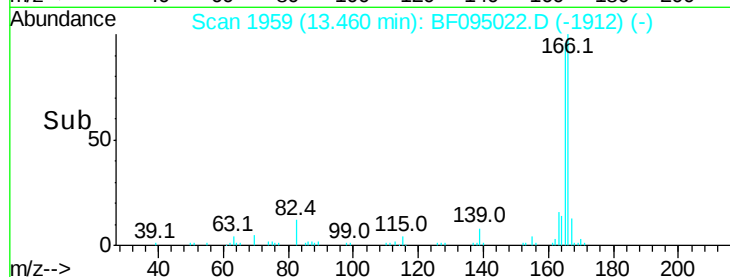
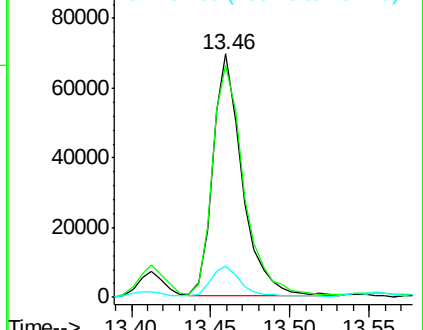
167 12.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.96 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

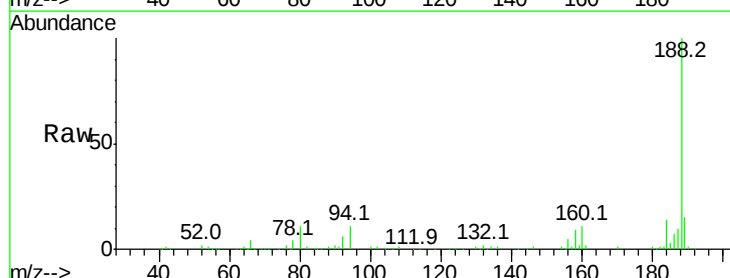
Tgt Ion:188 Resp: 214555

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

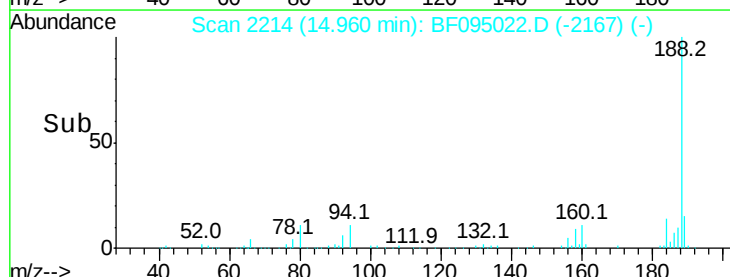
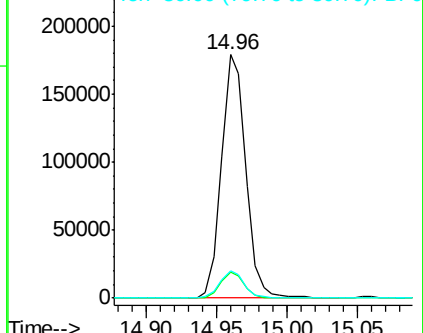
80 11.2 10.2 15.2

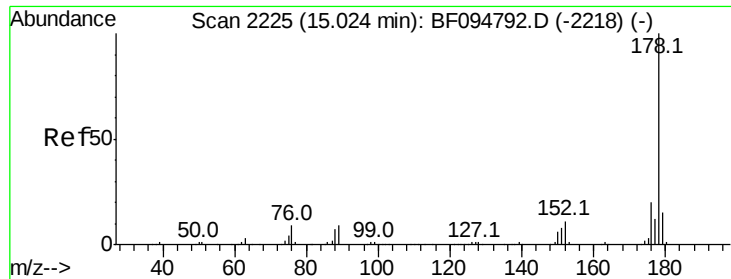


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

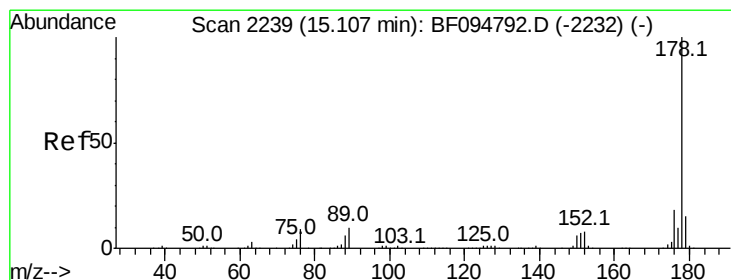
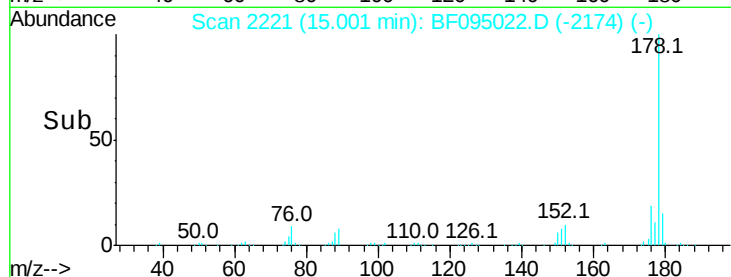
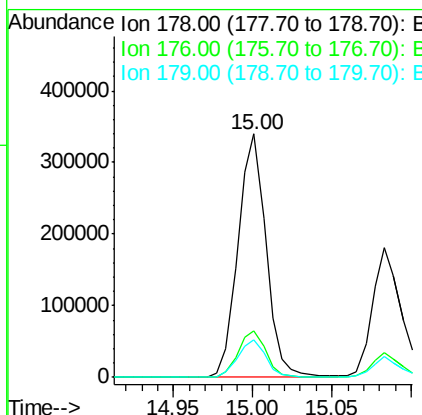
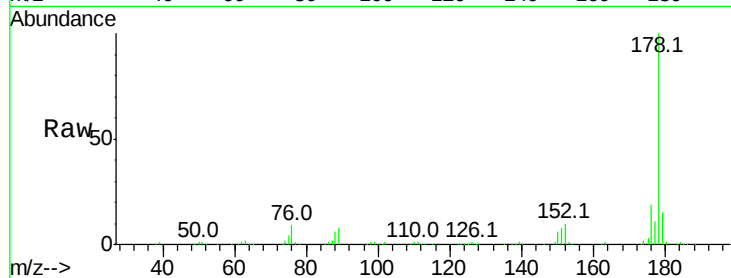




#70
Phenanthrene
Concen: 33.87 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

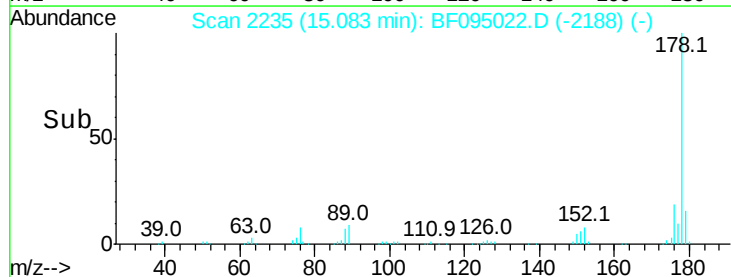
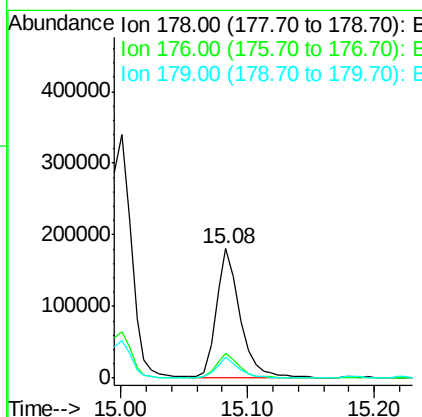
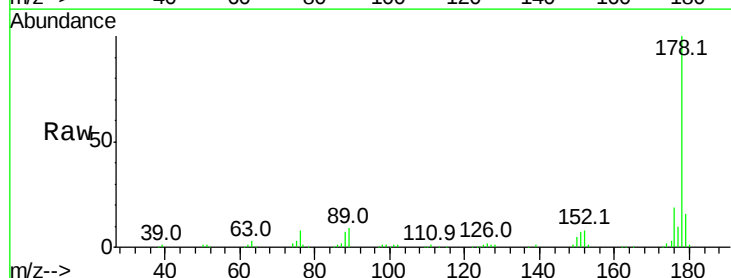
Instrument :
BNA_F
ClientSampleId :

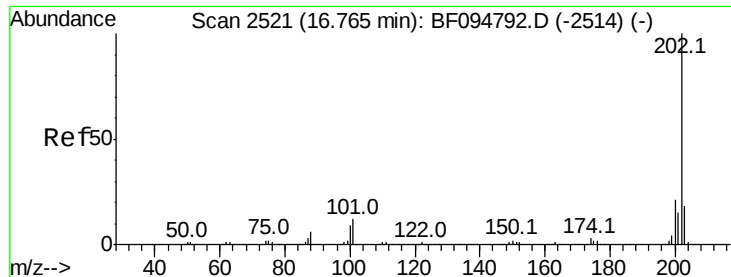
Tot Ion:178 Resp: 417597
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 18.60 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:178 Resp: 234277
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.7 12.7 19.1

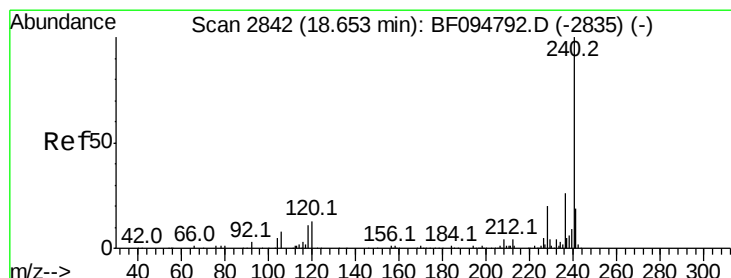
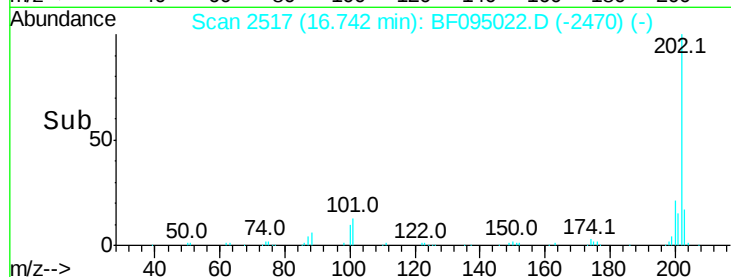
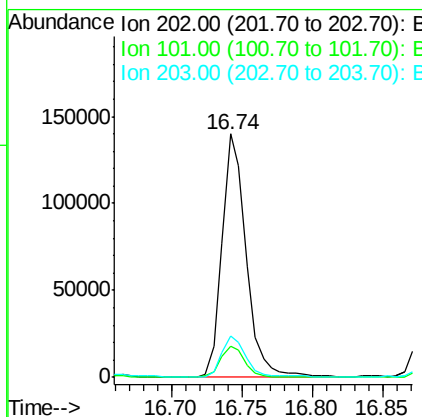
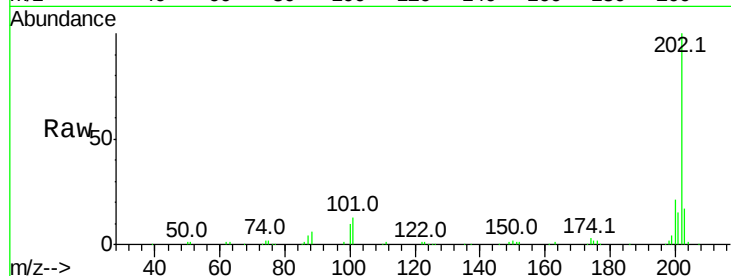




#74
 Fluoranthene
 Concen: 13.23 ng
 RT: 16.74 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

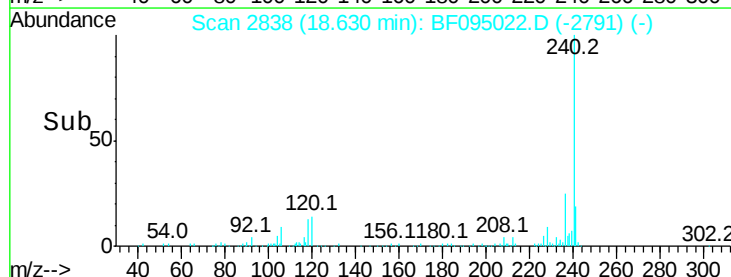
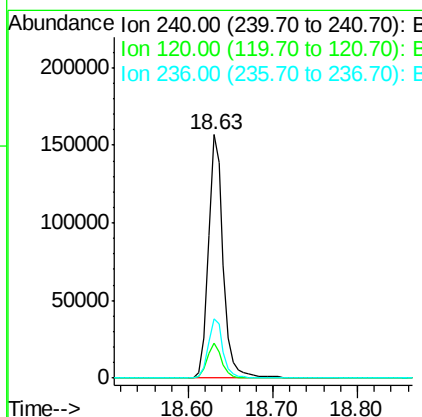
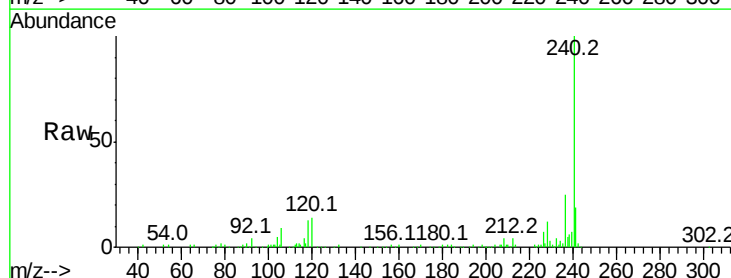
Instrument :
 BNA_F
 ClientSampleId :

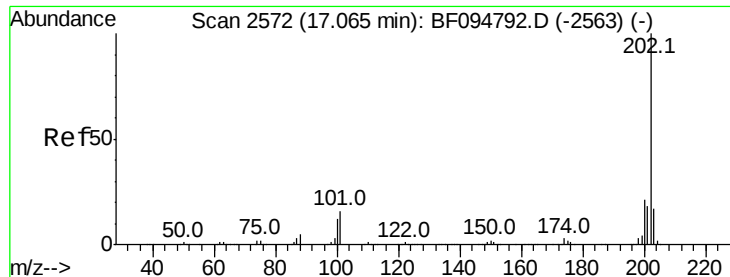
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	24.6	20.5	30.7





#77

Pvrene

Concen: 14.90 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Instrument :

BNA_F

ClientSampled :

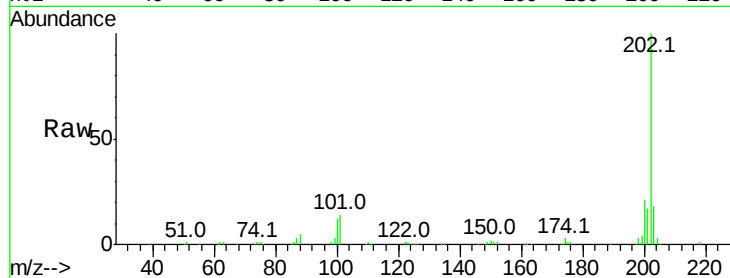
Tot Ion:202 Resp: 215398

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

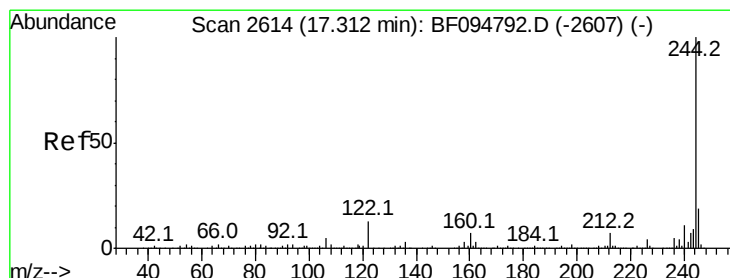
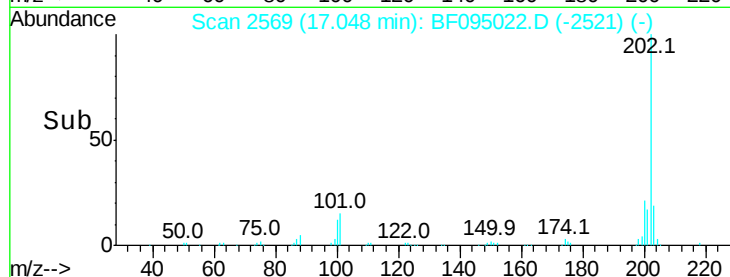
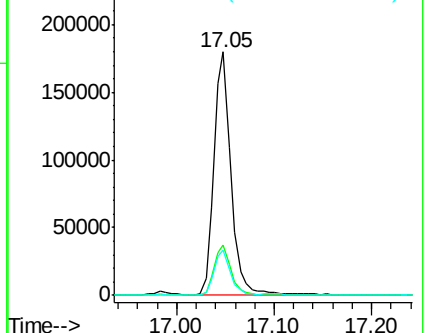
203 18.4 14.4 21.6



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: 0.11 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

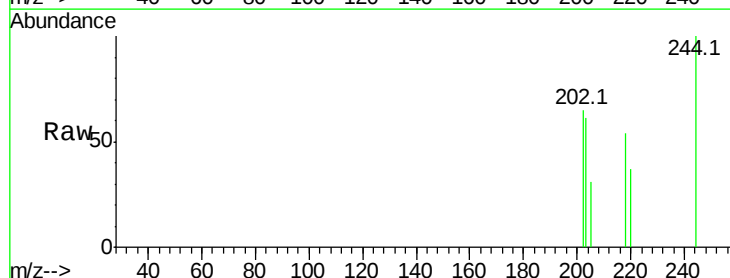
Tgt Ion:244 Resp: 944

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

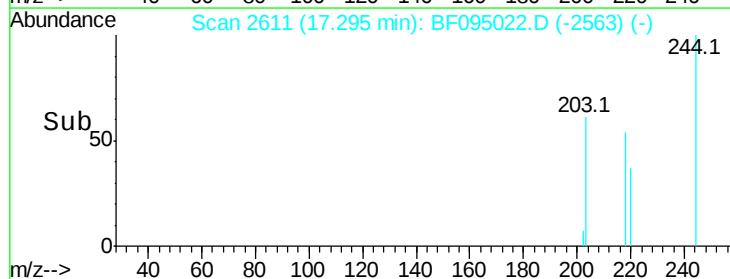
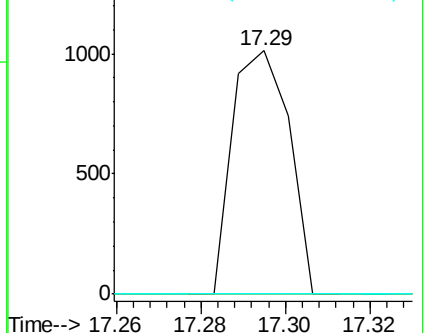
122 0.0 10.3 15.5#

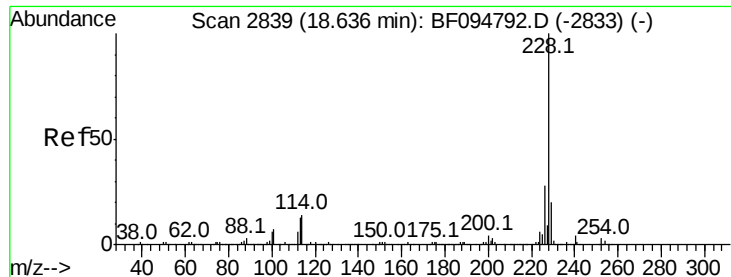


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

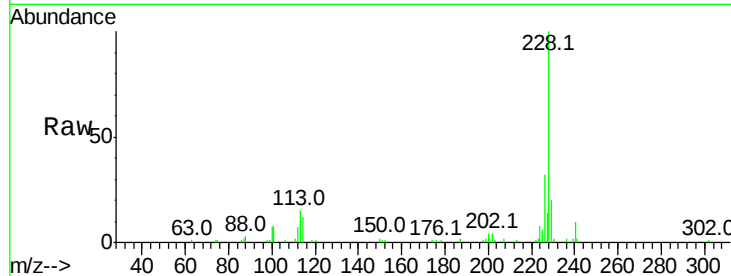




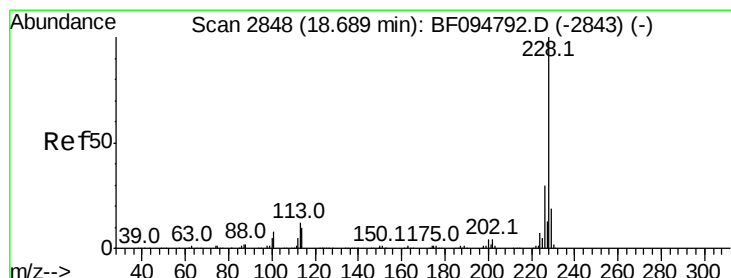
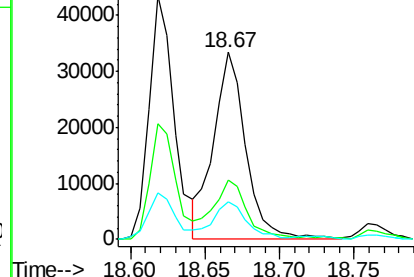
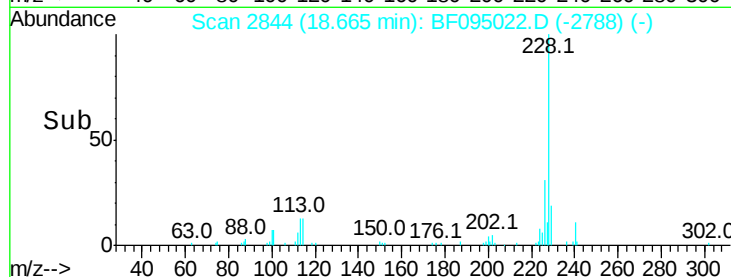
#80
Benzo(a)anthracene
Concen: 4.55 ng
RT: 18.67 min Scan# 2844
Delta R.T. 0.03 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 51137
Ion Ratio Lower Upper
228 100
226 31.8 22.6 33.8
229 19.9 16.3 24.5

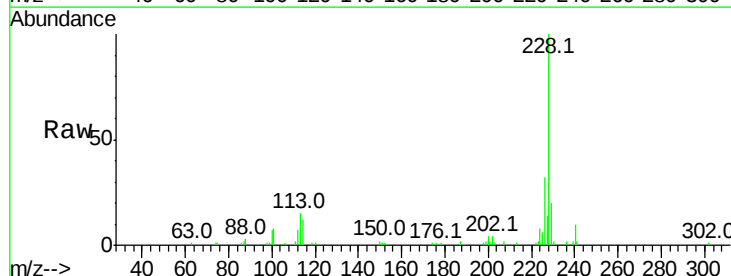


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

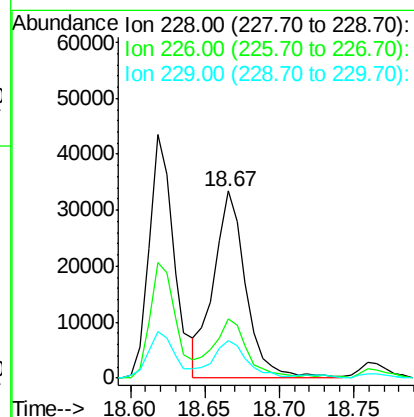
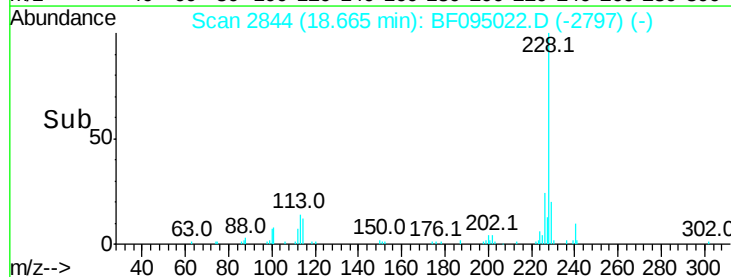


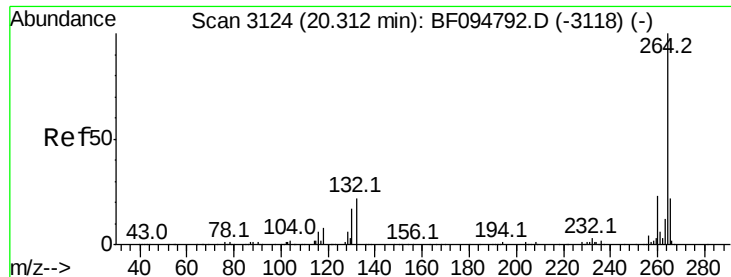
#82
Chrysene
Concen: 4.70 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:228 Resp: 51137
Ion Ratio Lower Upper
228 100
226 31.8 24.9 37.3
229 19.9 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

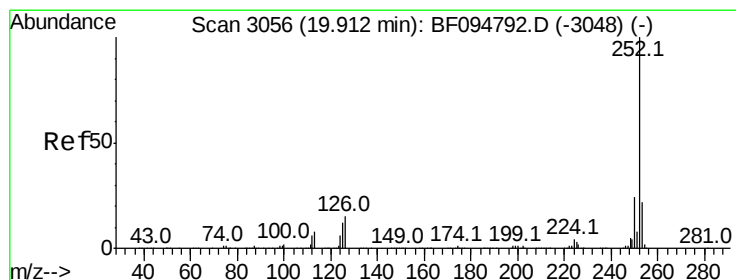
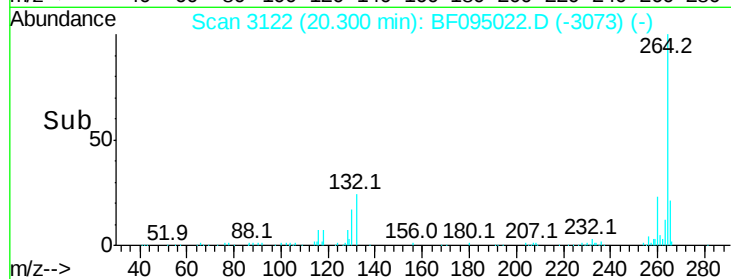
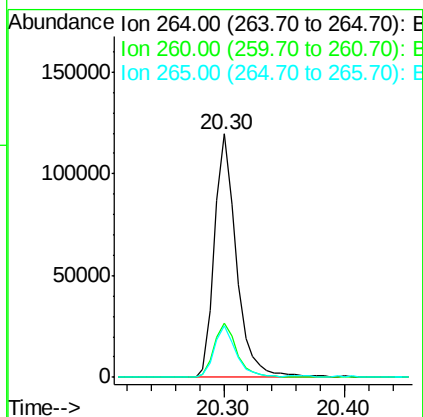
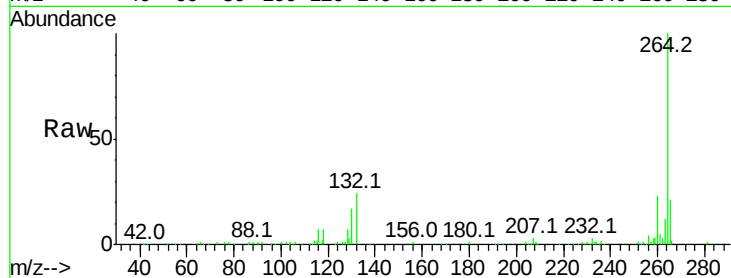




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

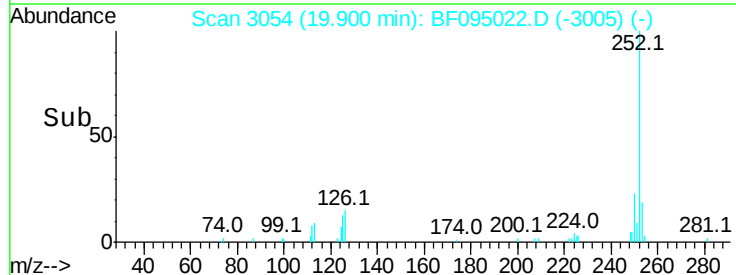
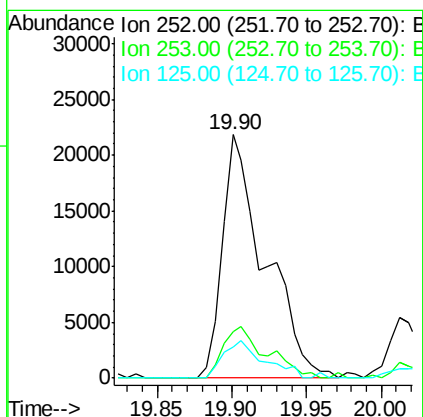
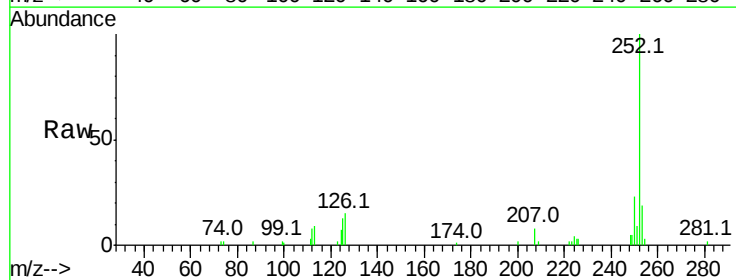
Instrument :
BNA_F
ClientSampleId :

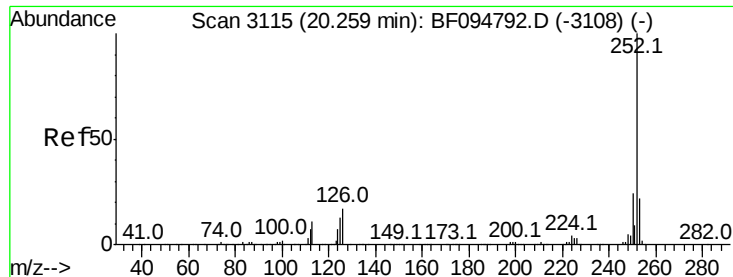
Tot Ion:264 Resp: 149686
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.70 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:252 Resp: 43466
Ion Ratio Lower Upper
252 100
253 19.0 18.1 27.1
125 12.9 9.8 14.8

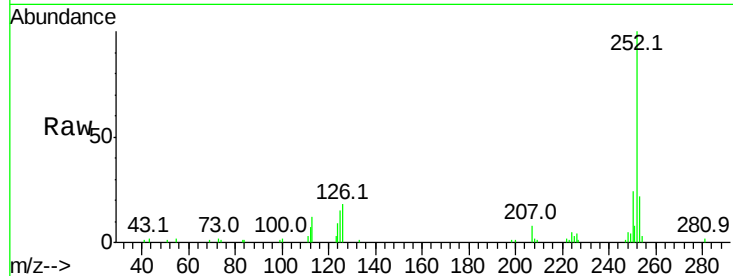




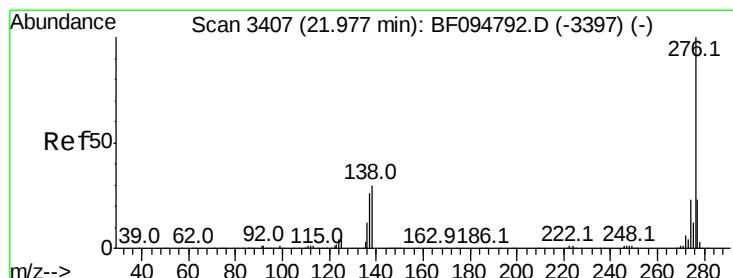
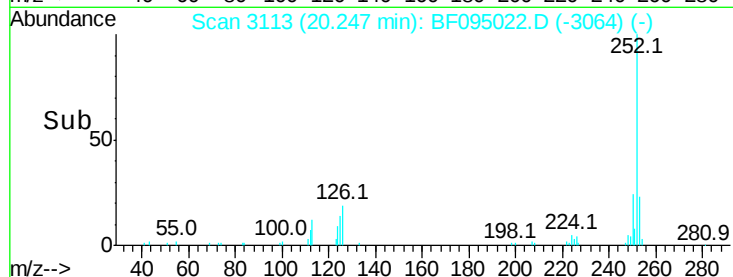
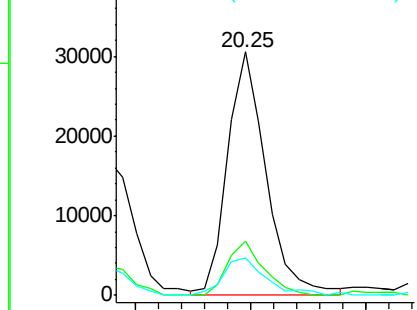
#89
Benzo(a)pyrene
Concen: 4.16 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 35524
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 15.2 11.0 16.4

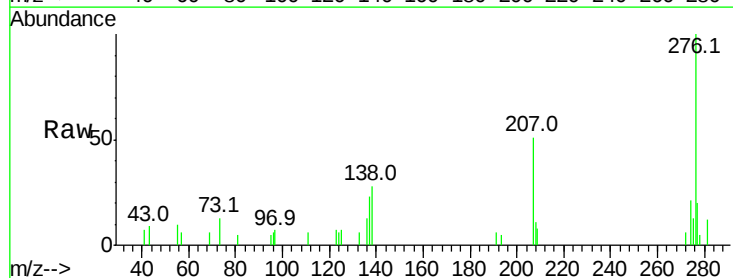


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:276 Resp: 14273
Ion Ratio Lower Upper
276 100
277 20.5 18.6 28.0
138 28.5 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

