

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095302.D
 Acq On : 20 May 2017 13:38
 Operator : SJ/MA
 Sample : I3186-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 01:57:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	87869	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	356977	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	158754	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	213691	20.00	ng	-0.01
75) Chrysene-d12	18.69	240	185916	20.00	ng	0.00
86) Perylene-d12	20.37	264	148842	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	607886	115.34	ng	0.00
7) Phenol-d6	7.30	99	695337	109.96	ng	-0.01
23) Nitrobenzene-d5	8.66	82	409163	72.28	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	116236	89.40	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	816652	74.04	ng	-0.01
78) Terphenyl-d14	17.33	244	430799	51.04	ng	-0.02

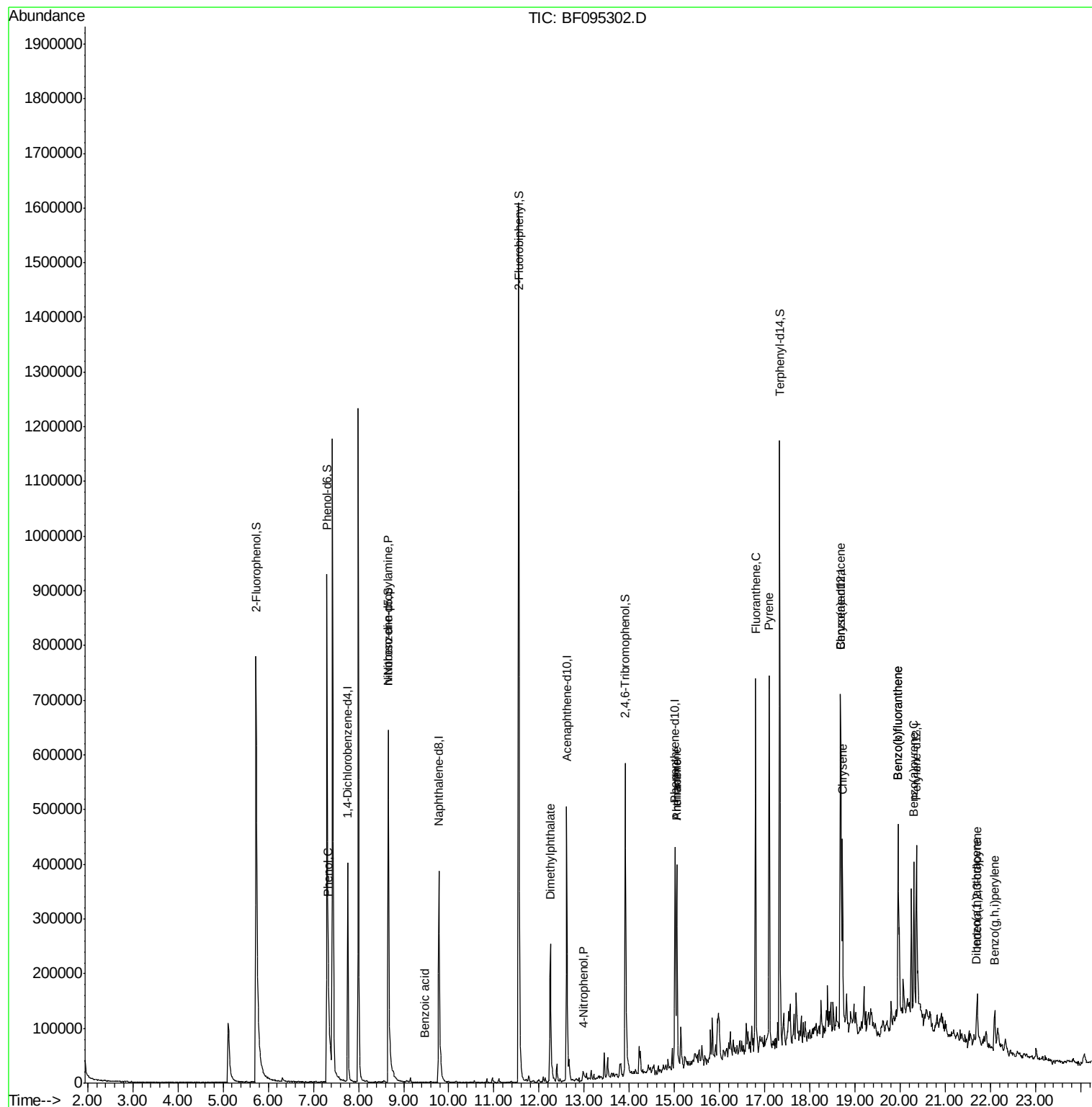
Target Compounds						Qvalue
10) Phenol	7.33	94	15408	2.31	ng	# 53
19) n-Nitroso-di-n-propylamine	8.66	70	47841	11.19	ng	# 80
32) Benzoic acid	9.47	122	121	5.11	ng	# 1
49) Dimethylphthalate	12.25	163	195916	15.03	ng	98
55) 4-Nitrophenol	12.97	139	5096	2.97	ng	# 25
70) Phenanthrene	15.05	178	229293	18.68	ng	96
71) Anthracene	15.05	178	229293	18.28	ng	97
74) Fluoranthene	16.79	202	344464	27.35	ng	99
77) Pyrene	17.10	202	330881	23.80	ng	98
80) Benzo(a)anthracene	18.68	228	170606	15.77	ng	98
82) Chrysene	18.72	228	168386	16.09	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	64573	7.60	ng	92
87) Benzo(b)fluoranthene	19.95	252	264997	28.81	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	264997	29.87	ng	98
89) Benzo(a)pyrene	20.31	252	127213	14.99	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	15608	2.23	ng	95
91) Benzo(a,h,i)perylene	22.09	276	62565	9.10	ng	97

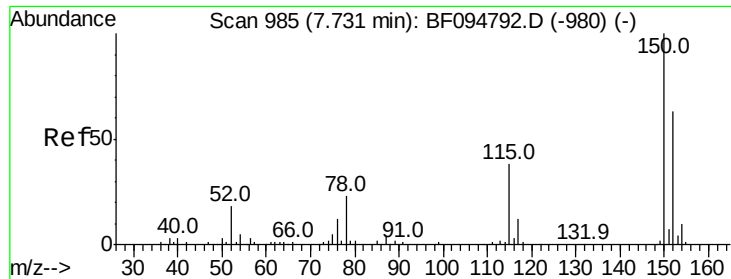
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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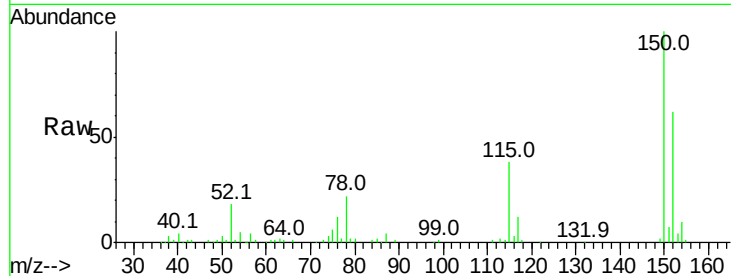


#1

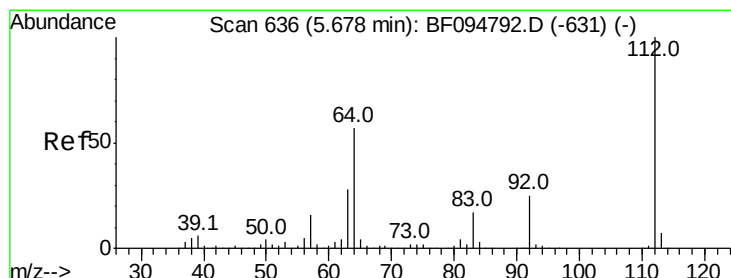
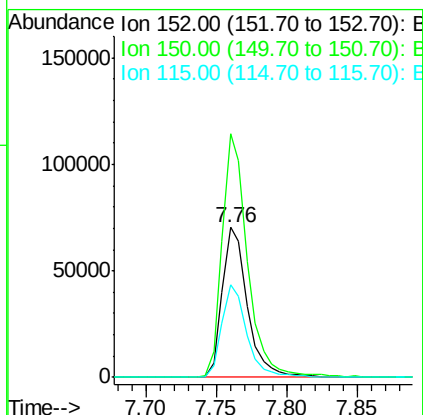
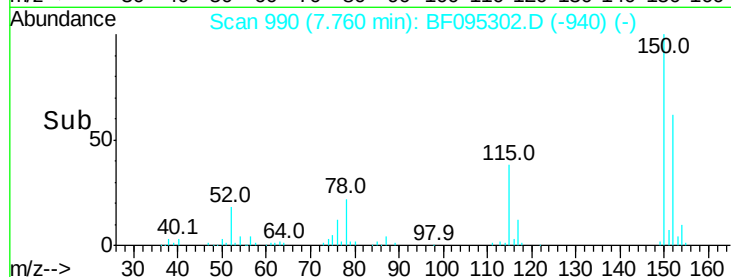
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87869
Ion Ratio Lower Upper
152 100
150 162.3 126.2 189.2
115 61.9 52.2 78.2



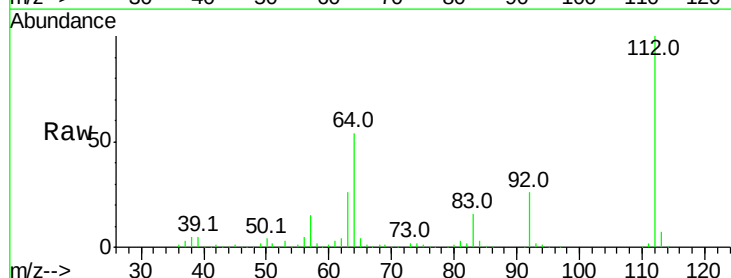
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



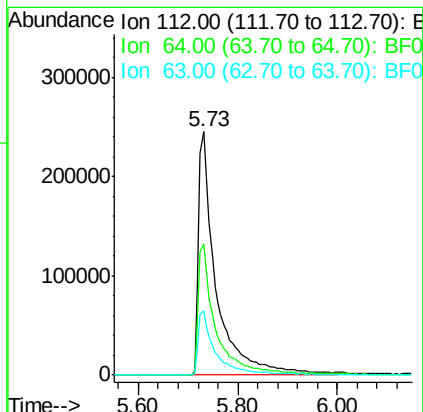
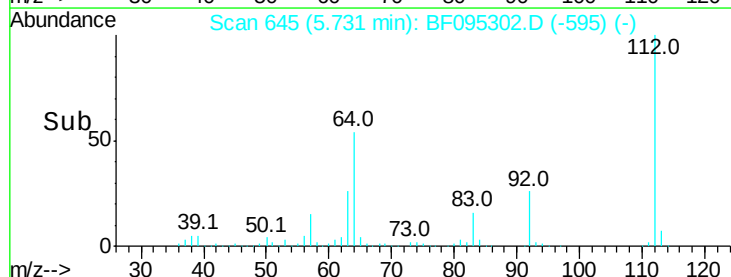
#5

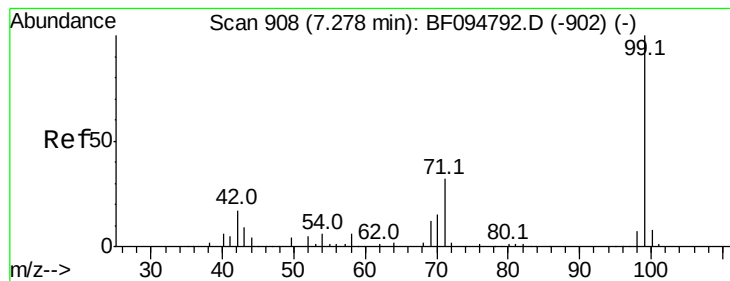
2-Fluorophenol
Concen: 115.34 ng
RT: 5.73 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Tgt Ion:112 Resp: 607886
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.3 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: 109.96 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

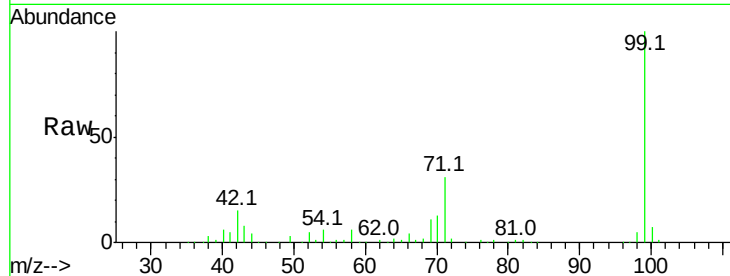
Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 695337

Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.5	20.3
71	31.3	24.5	36.7

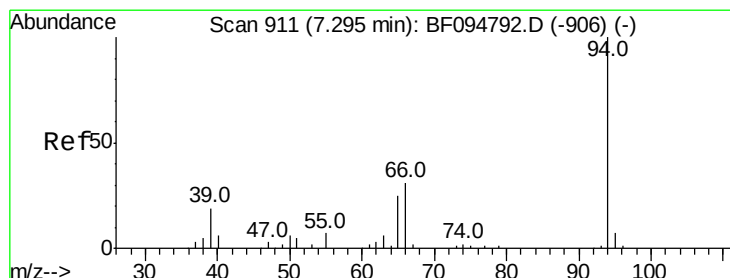
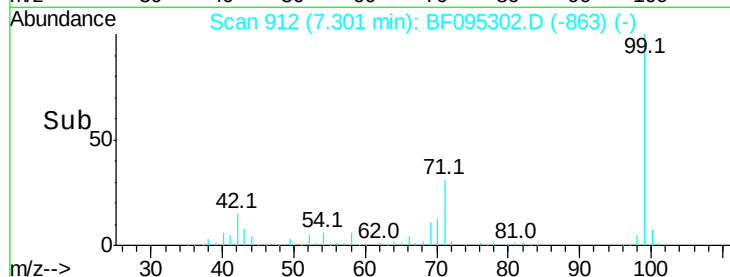
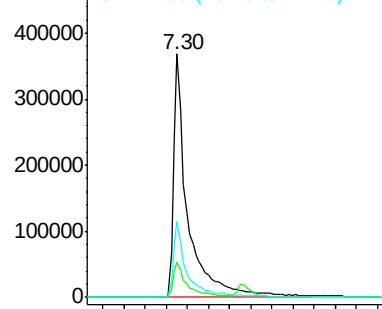


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.31 ng

RT: 7.33 min Scan# 917

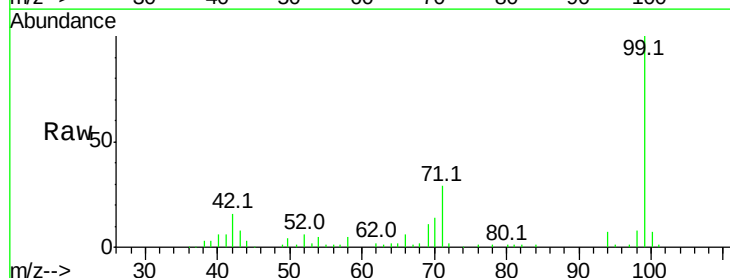
Delta R.T. 0.00 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Tgt Ion: 94 Resp: 15408

Ion	Ratio	Lower	Upper
94	100		
65	30.3	9.9	49.9
66	93.9	23.1	63.1

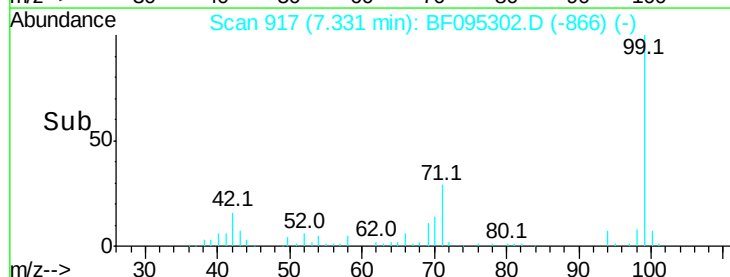
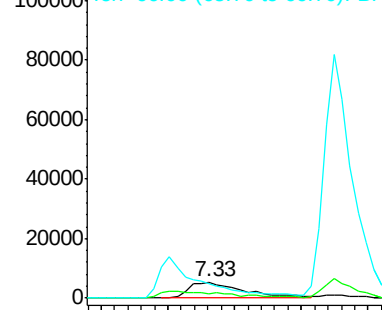


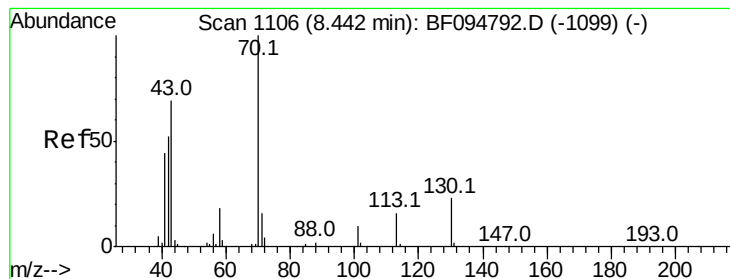
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.19 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47841

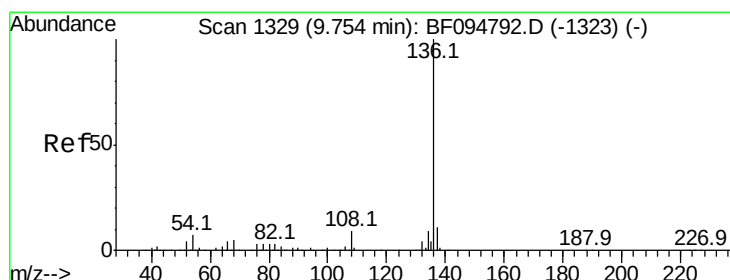
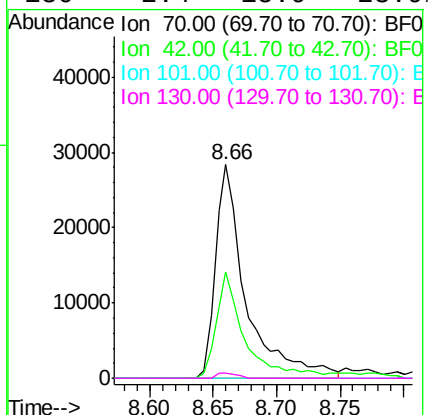
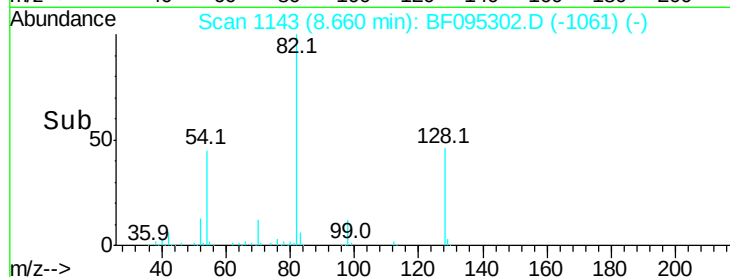
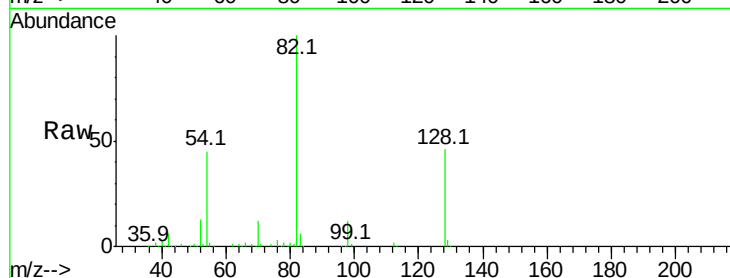
Ion Ratio Lower Upper

70 100

42 49.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Tgt Ion: 136 Resp: 356977

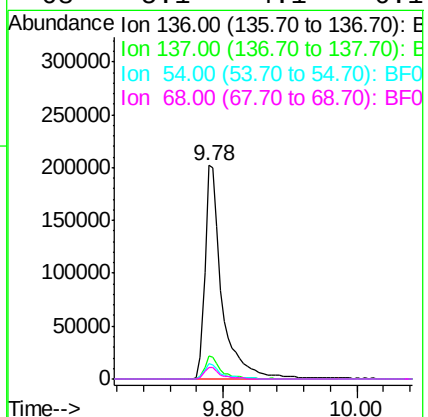
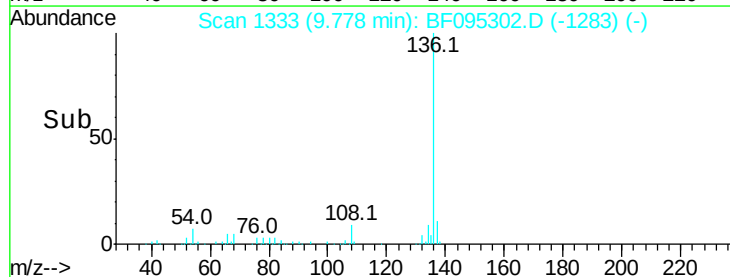
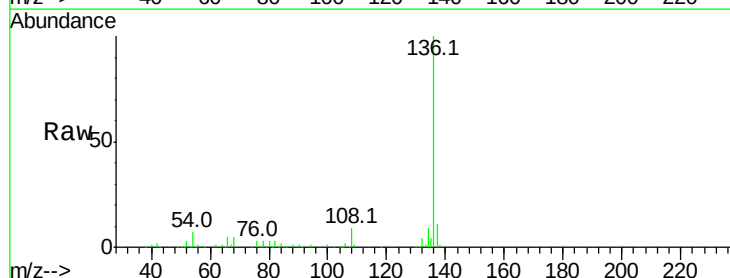
Ion Ratio Lower Upper

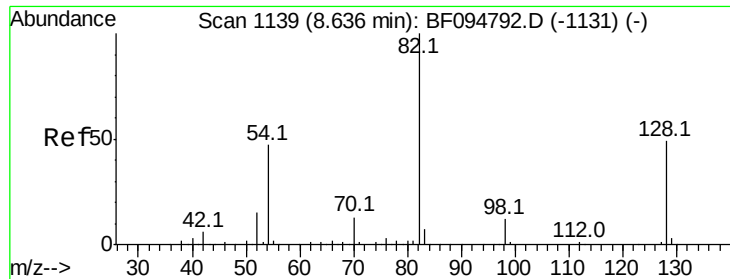
136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.1 4.1 6.1

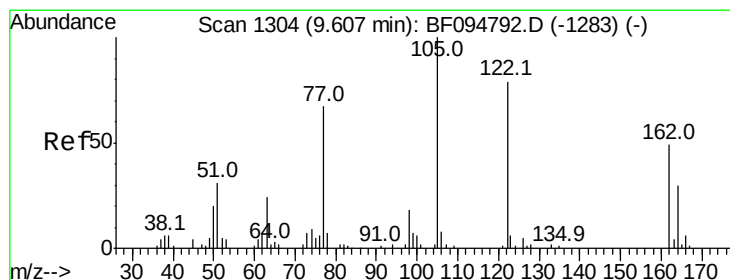
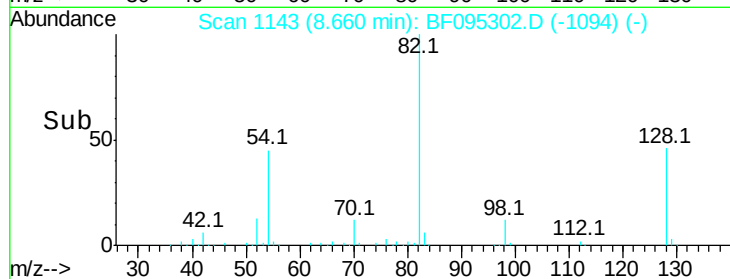
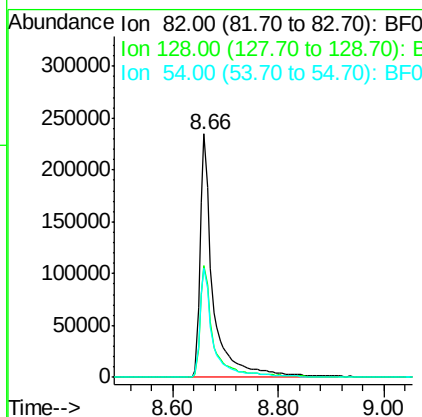
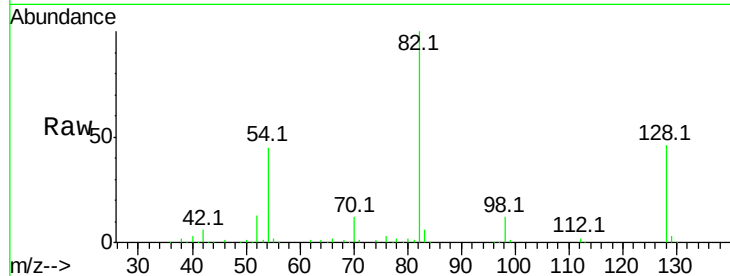




#23
 Nitrobenzene-d5
 Concen: 72.28 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095302.D
 Acq: 20 May 2017 13:38

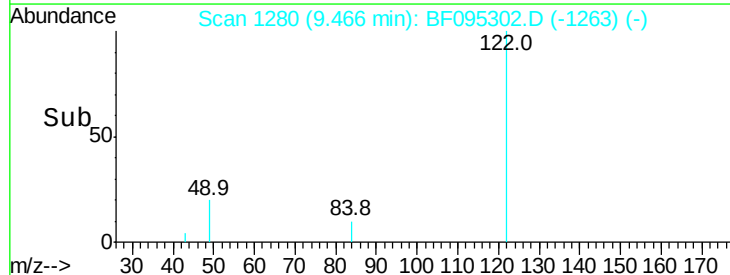
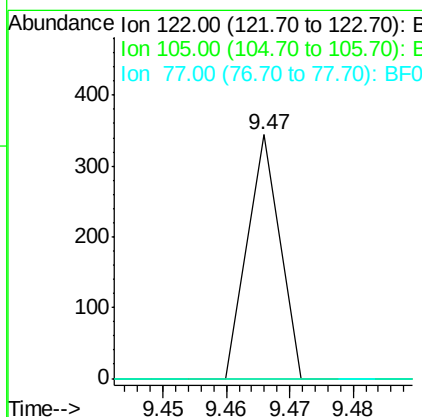
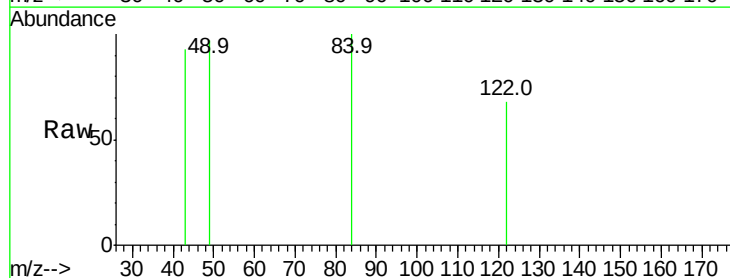
Instrument :
 BNA_F
 ClientSampleID :

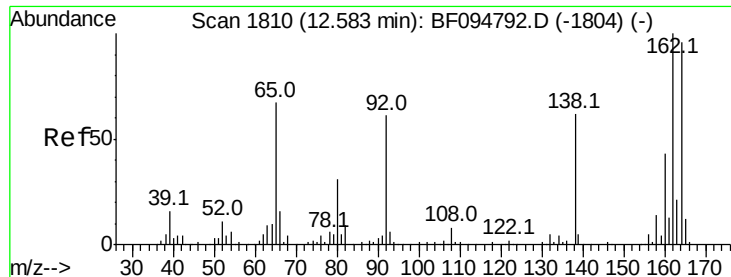
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	45.0	42.2	63.2



#32
 Benzoic acid
 Concen: 5.11 ng
 RT: 9.47 min Scan# 1280
 Delta R.T. -0.20 min
 Lab File: BF095302.D
 Acq: 20 May 2017 13:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :

BNA_F

ClientSampleId :

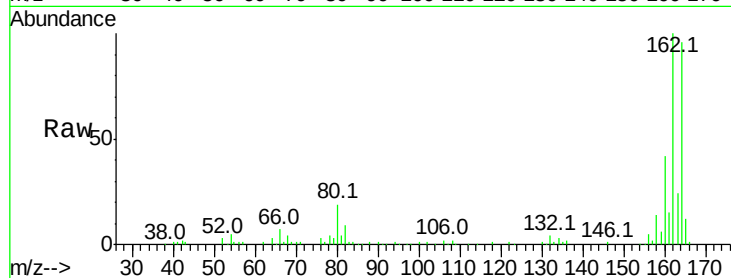
Tot Ion:164 Resp: 158754

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

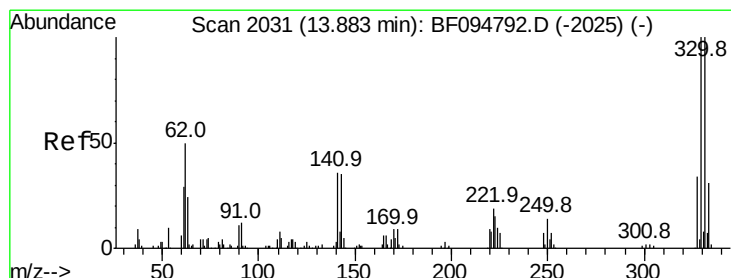
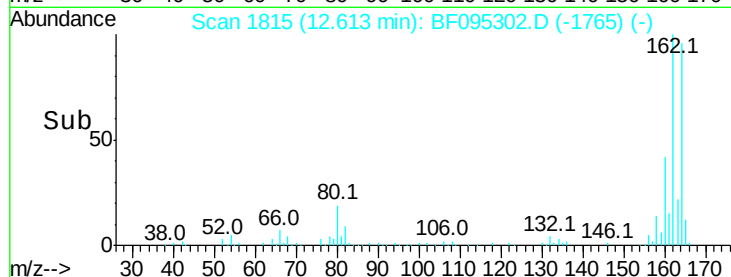
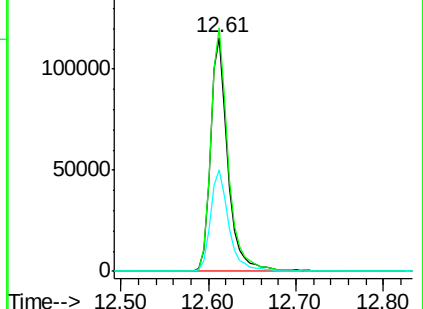
160 43.3 36.2 54.2



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: 89.40 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

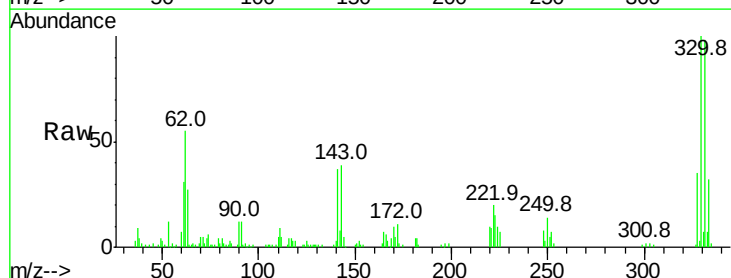
Tgt Ion:330 Resp: 116236

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

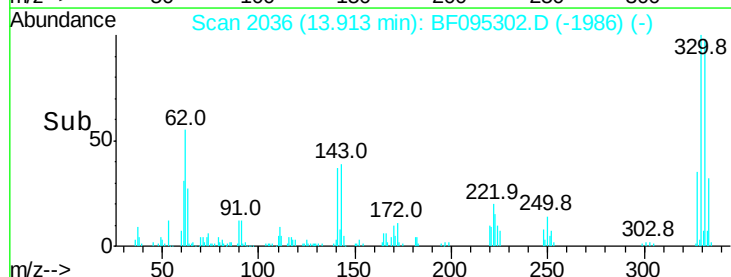
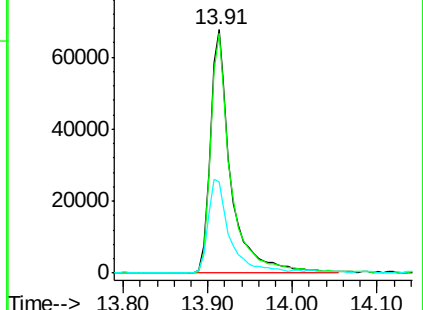
141 41.0 31.4 47.2

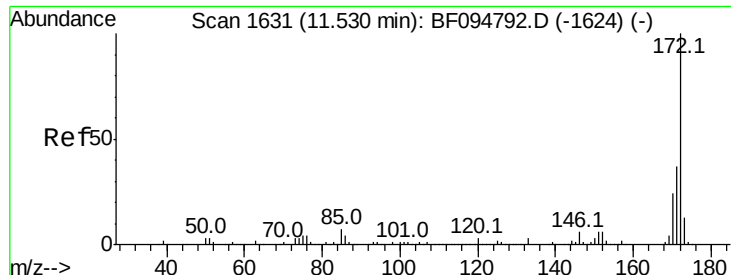


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

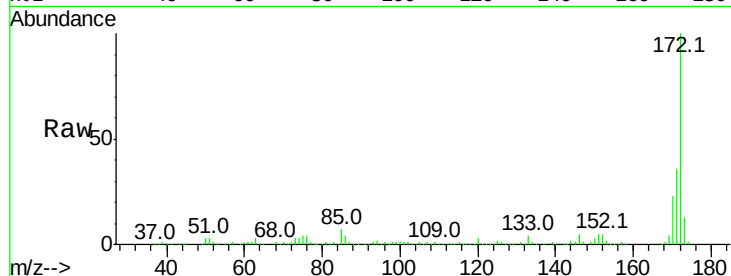




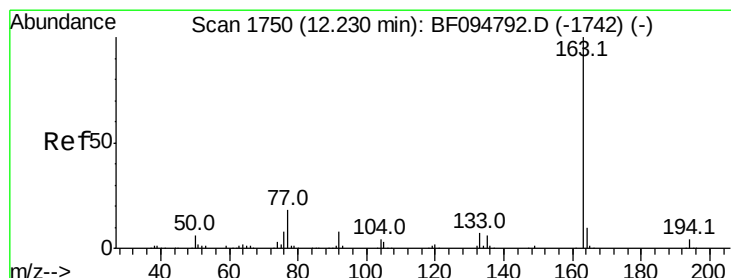
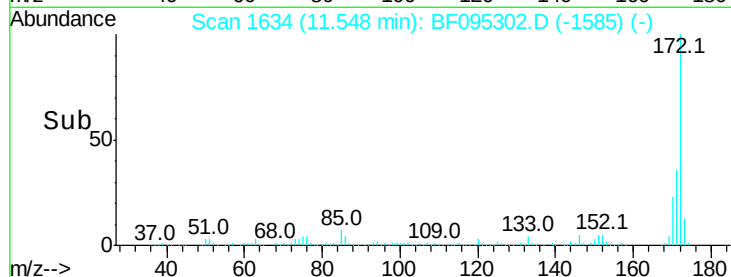
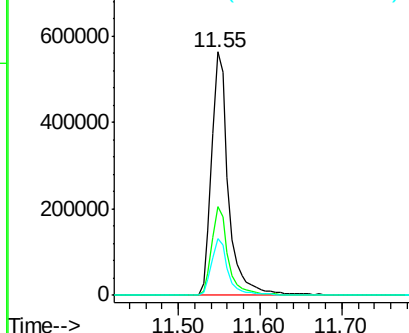
#44
2-Fluorobiphenyl
Concen: 74.04 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 816652
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.4 19.8 29.8

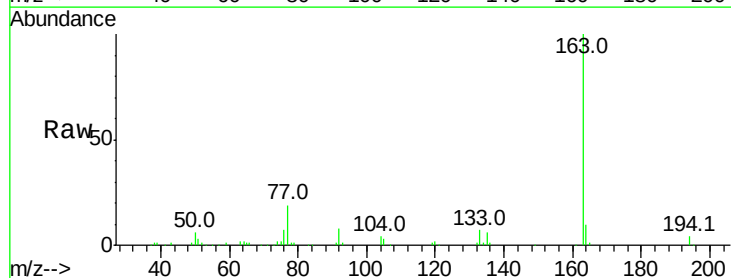


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

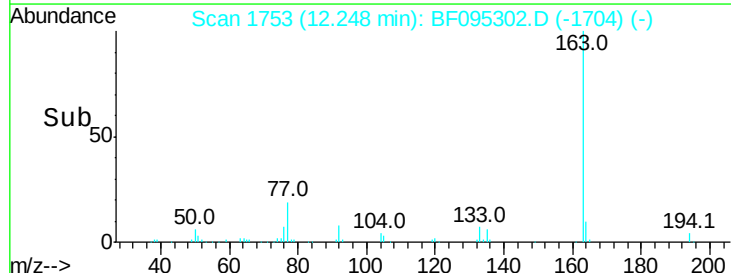
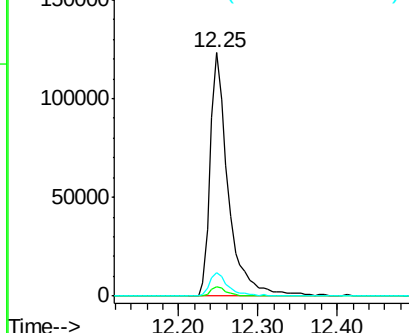


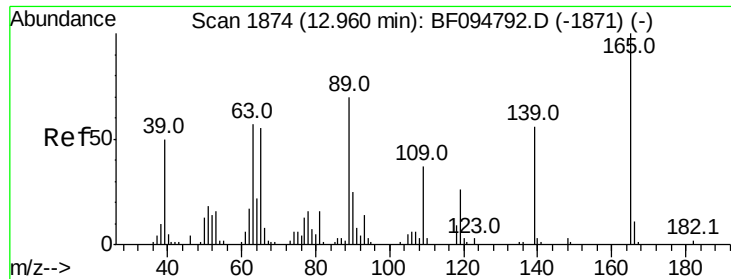
#49
Dimethylphthalate
Concen: 15.03 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Tgt Ion:163 Resp: 195916
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

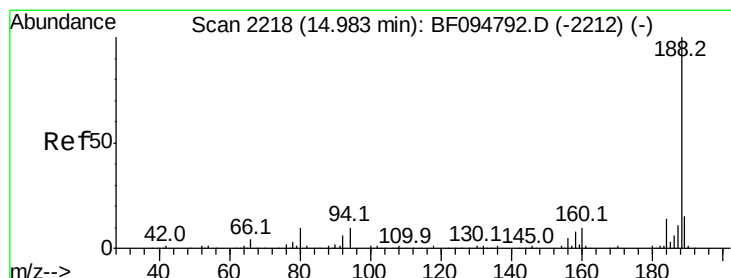
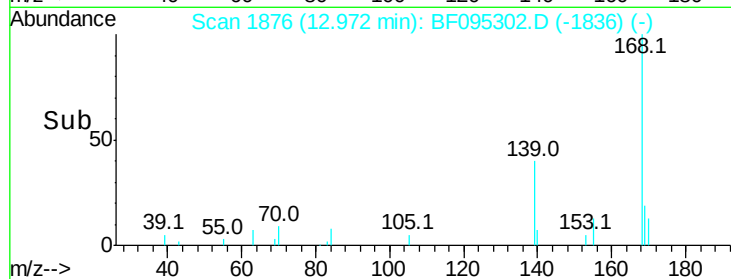
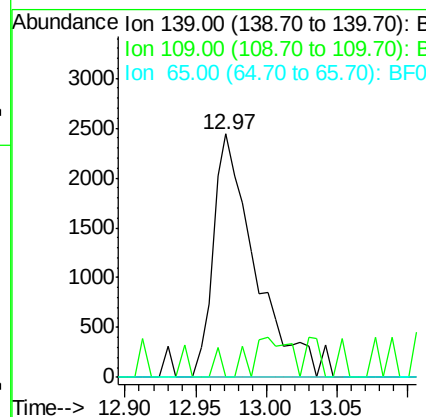
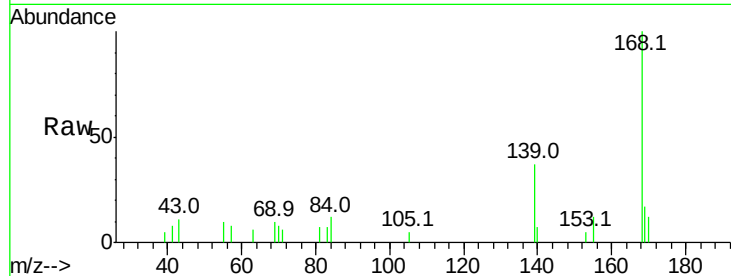




#55
4-Nitrophenol
Concen: 2.97 ng
RT: 12.97 min Scan# 1876
Delta R.T. -0.06 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

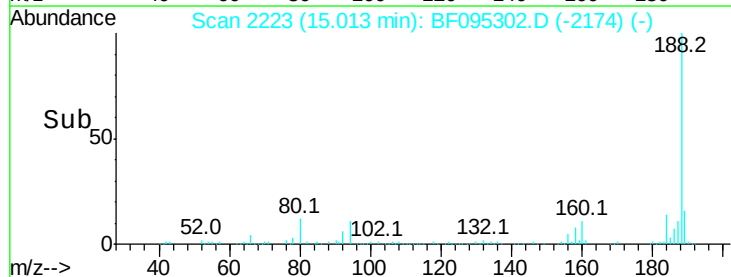
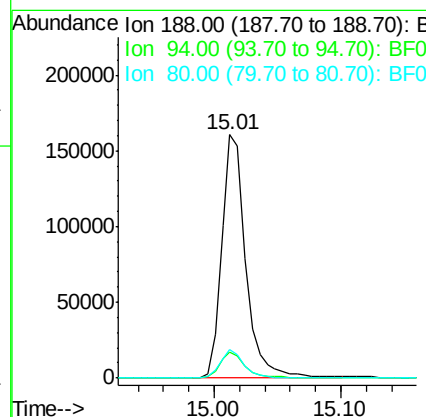
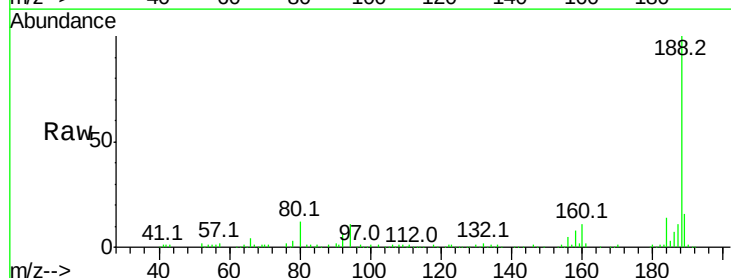
Instrument :
BNA_F
ClientSampleId :

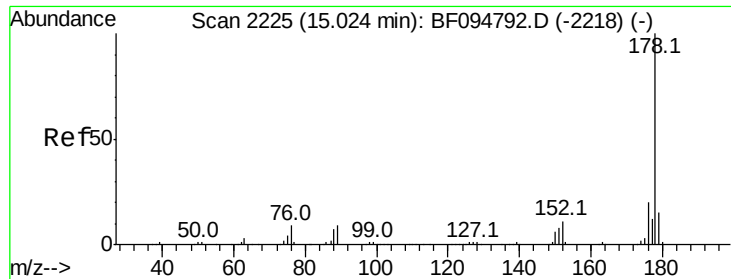
Tot Ion:139 Resp: 5096
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Tgt Ion:188 Resp: 213691
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 12.0 10.2 15.2

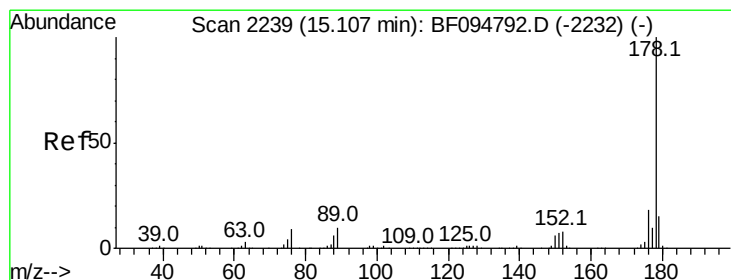
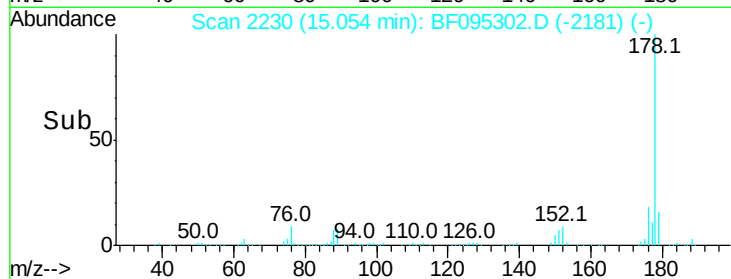
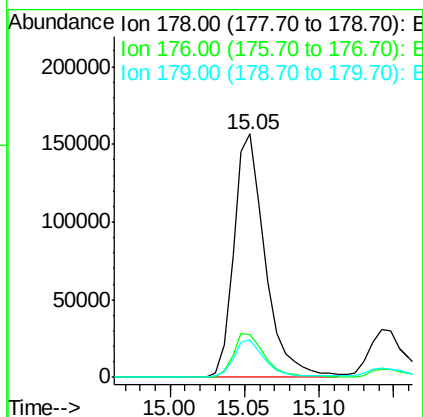
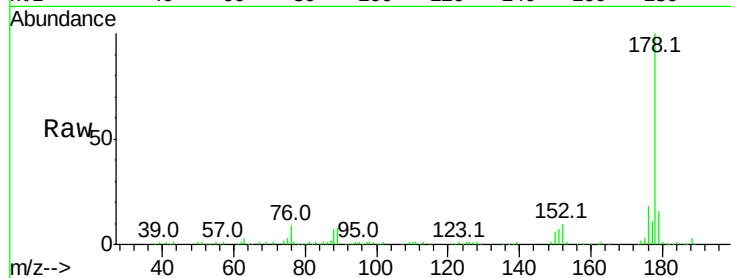




#70
 Phenanthrene
 Concen: 18.68 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095302.D
 Acq: 20 May 2017 13:38

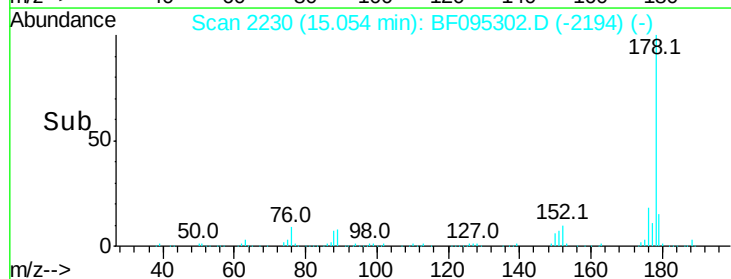
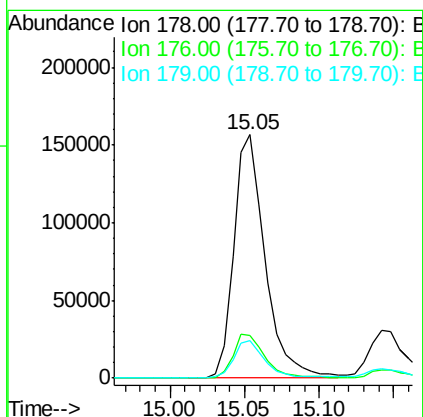
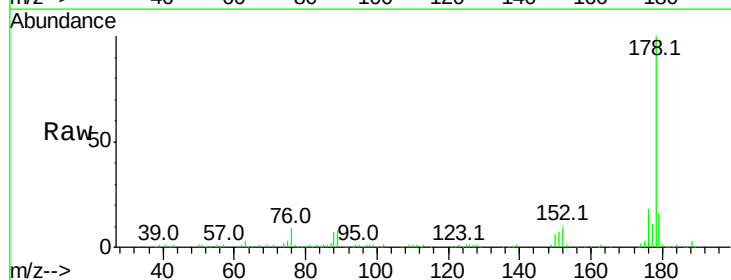
Instrument :
 BNA_F
 ClientSampleId :

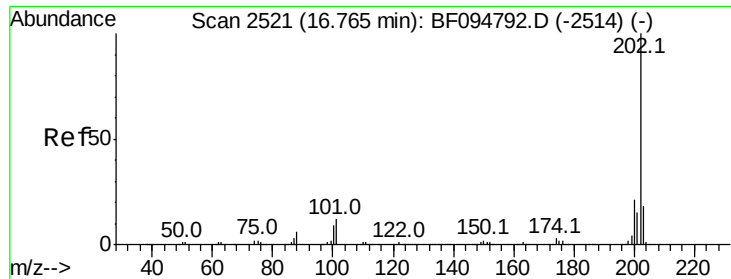
Tot Ion:178 Resp: 229293
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.4
 179 15.6 12.6 19.0



#71
 Anthracene
 Concen: 18.28 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.09 min
 Lab File: BF095302.D
 Acq: 20 May 2017 13:38

Tgt Ion:178 Resp: 229293
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.8 23.8
 179 15.6 12.7 19.1





#74

Fluoranthene

Concen: 27.35 ng

RT: 16.79 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :

BNA_F

ClientSampleId :

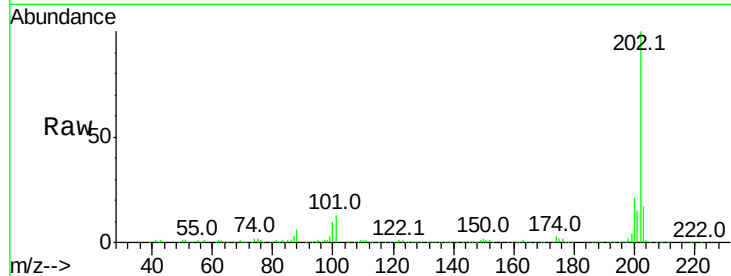
Tot Ion:202 Resp: 344464

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

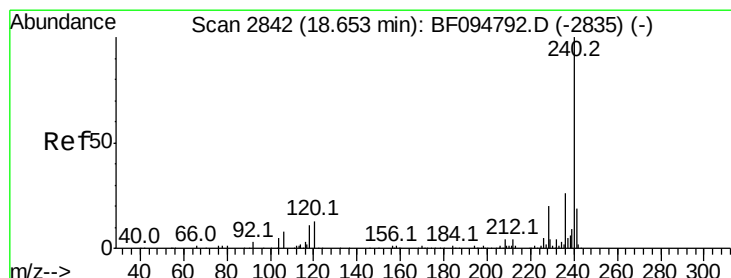
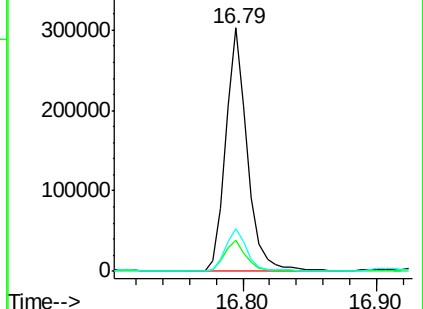
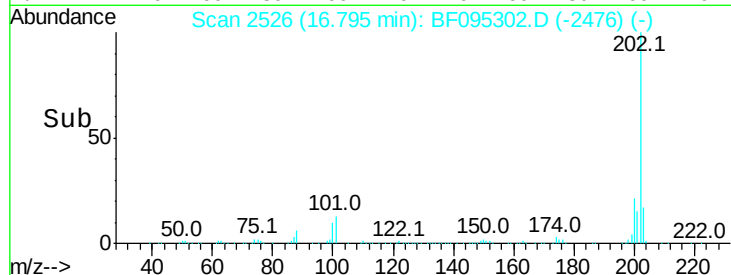
203 17.4 0.0 38.1



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: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

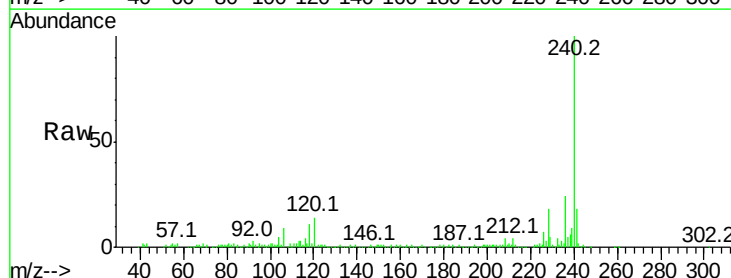
Tgt Ion:240 Resp: 185916

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

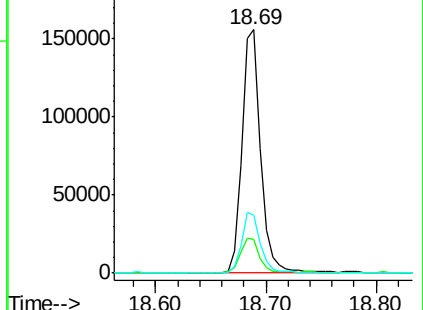
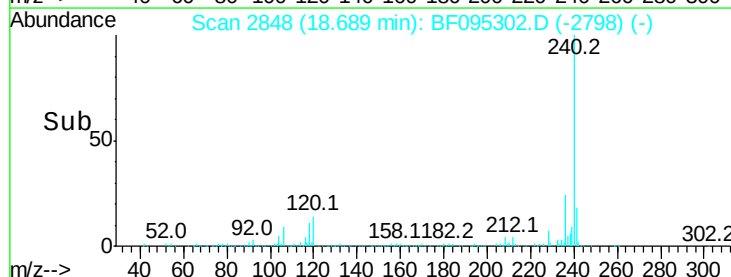
236 23.9 20.5 30.7

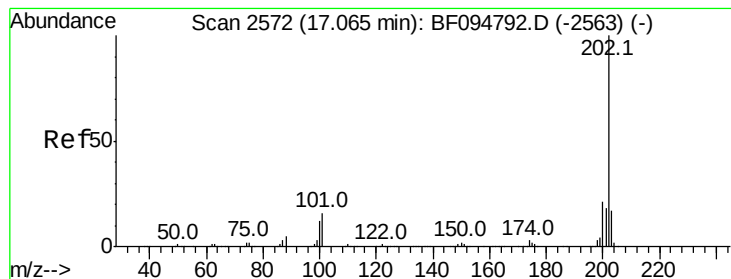


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 23.80 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :

BNA_F

ClientSampleId :

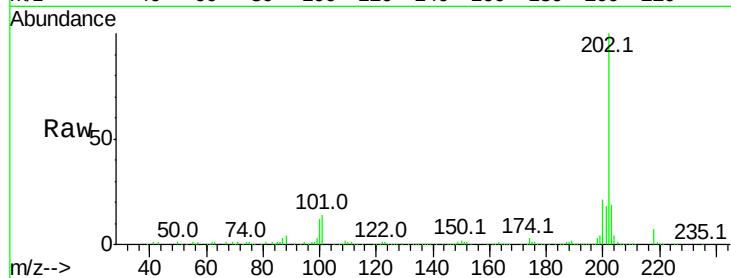
Tot Ion:202 Resp: 330881

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

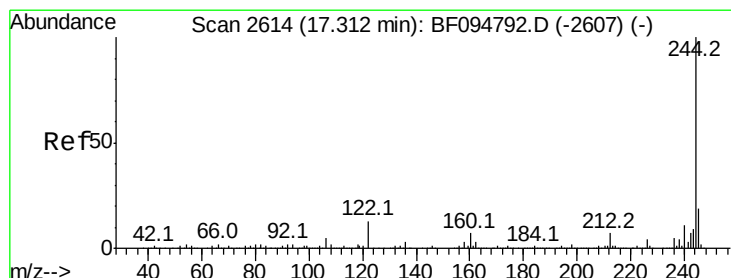
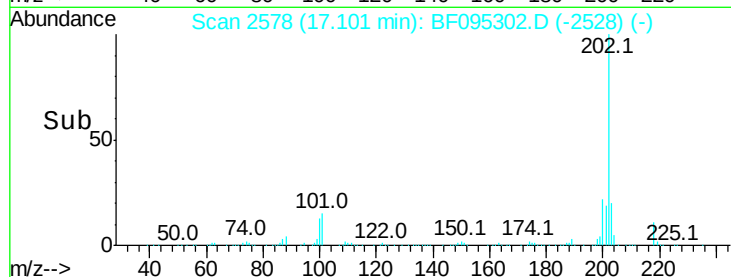
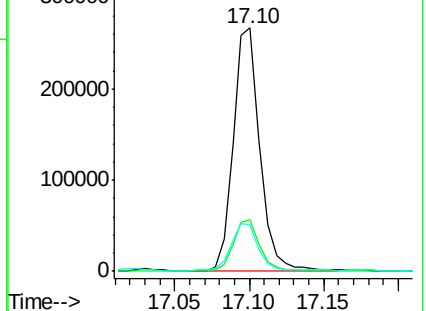
203 19.1 14.4 21.6



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: 51.04 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

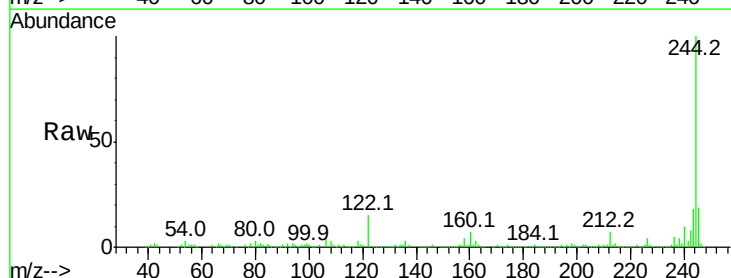
Tgt Ion:244 Resp: 430799

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

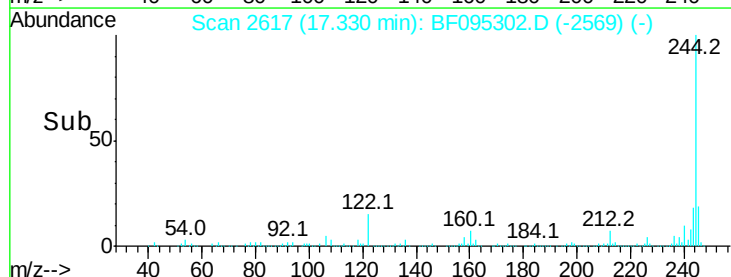
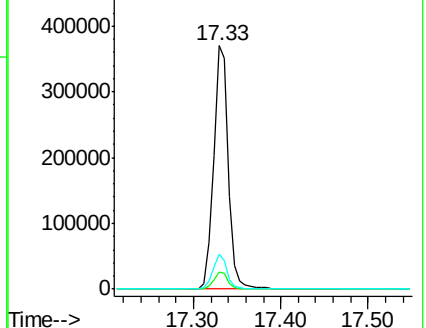
122 14.6 10.3 15.5

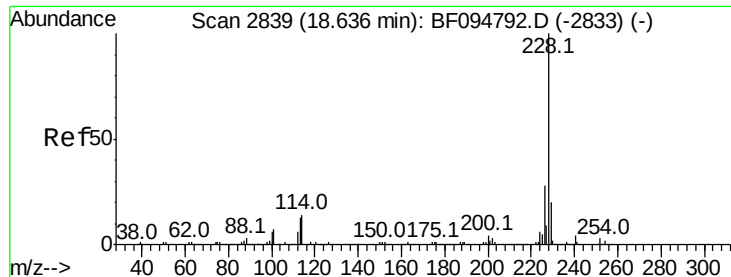


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

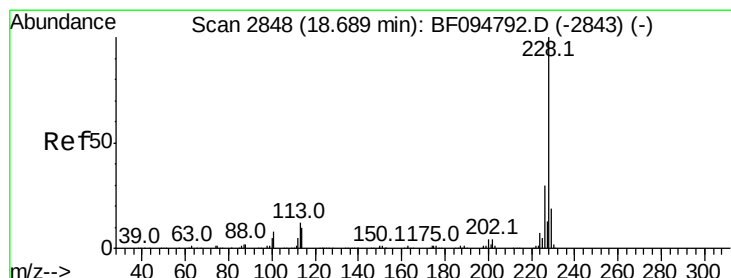
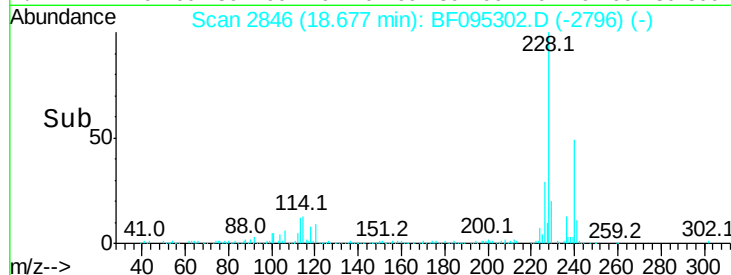
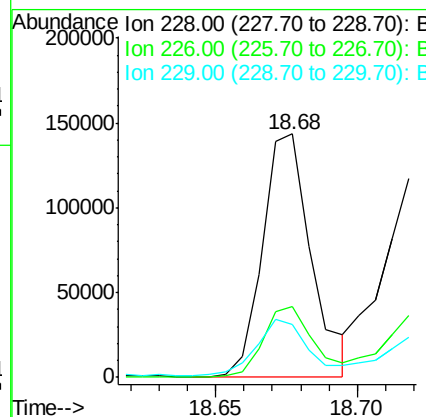
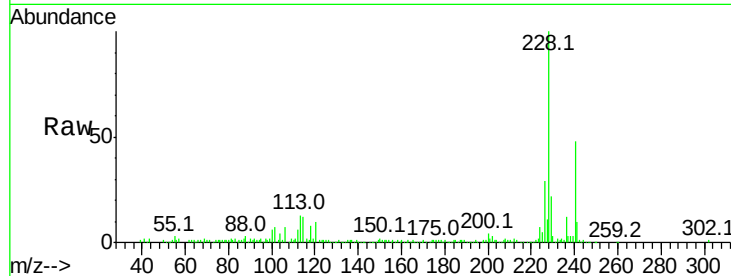




#80
Benzo(a)anthracene
Concen: 15.77 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

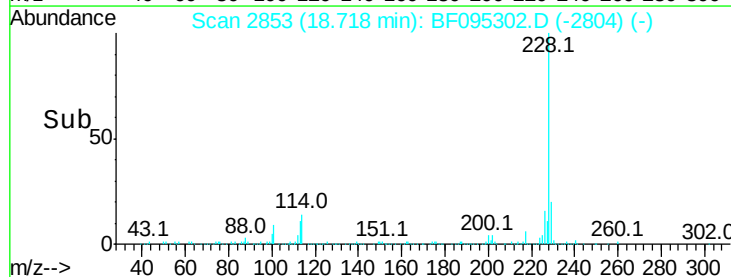
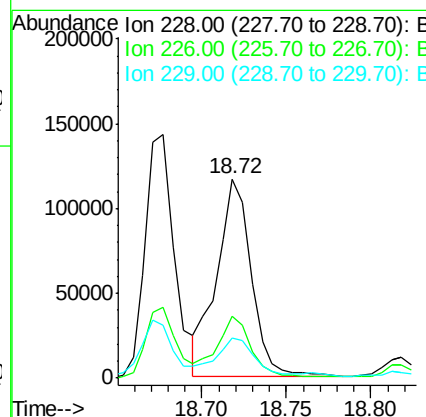
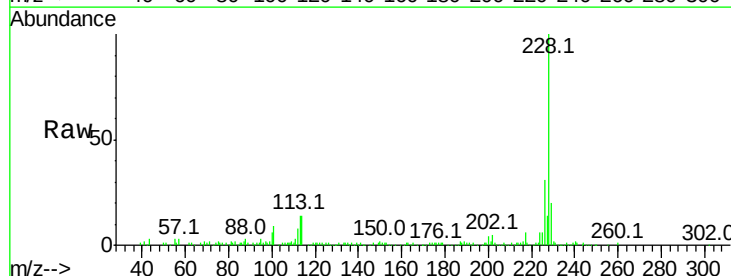
Instrument :
BNA_F
ClientSampleId :

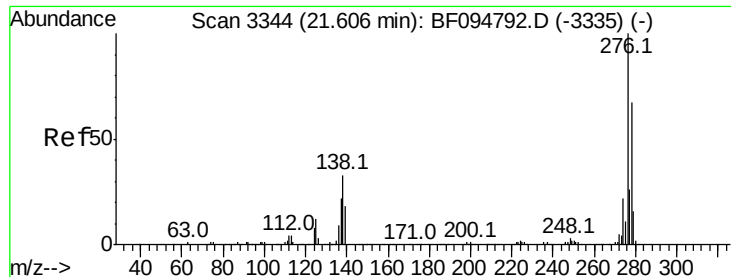
Tot Ion:228 Resp: 170606
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 21.8 16.3 24.5



#82
Chrysene
Concen: 16.09 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Tgt Ion:228 Resp: 168386
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 20.2 15.8 23.6

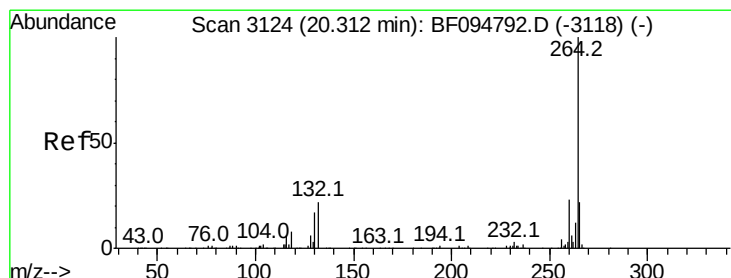
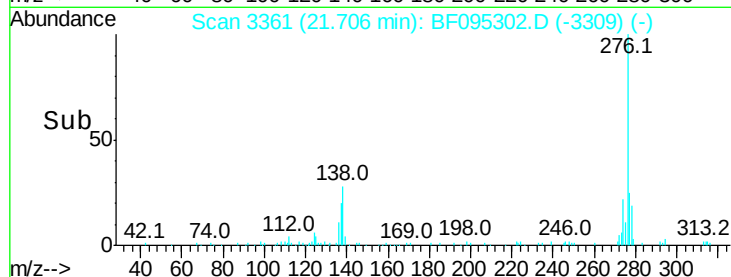
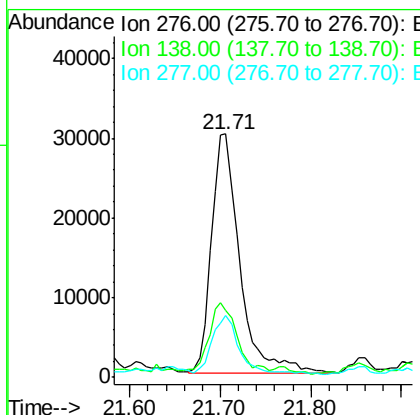
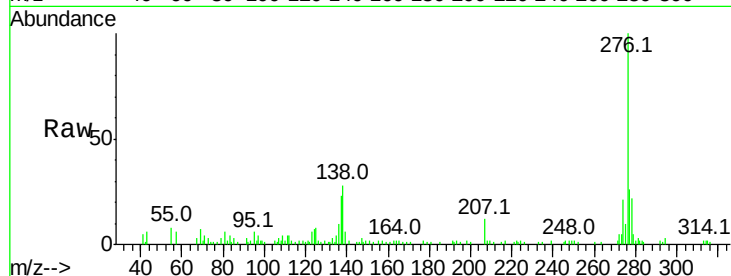




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.60 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

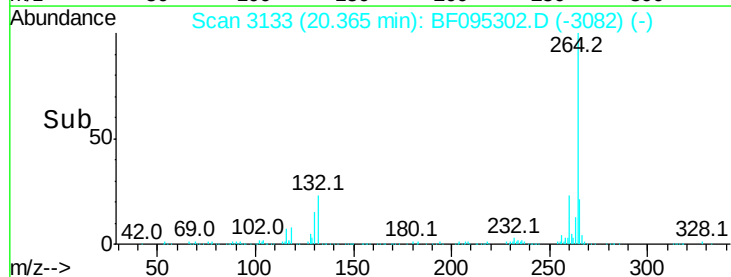
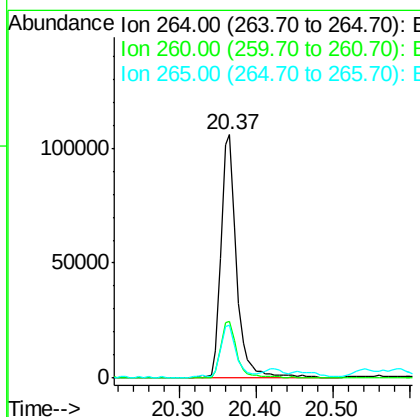
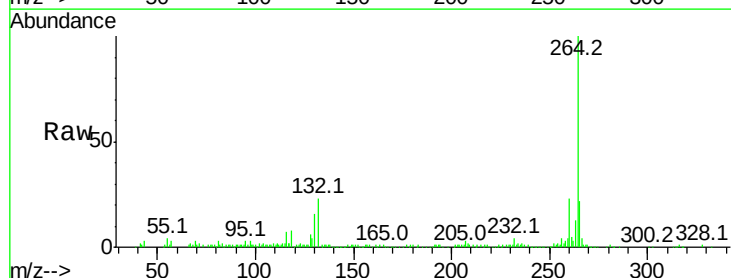
Instrument :
BNA_F
ClientSampleId :

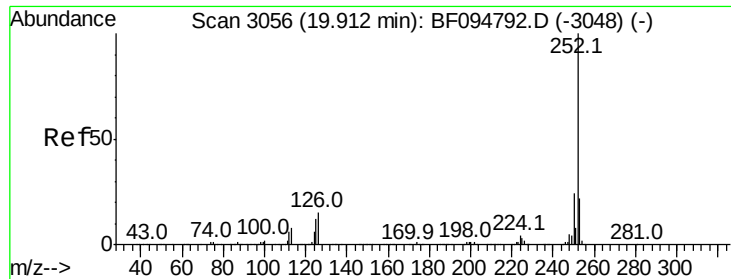
Tot Ion:276 Resp: 64573
Ion Ratio Lower Upper
276 100
138 28.4 27.8 41.6
277 23.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095302.D
Acq: 20 May 2017 13:38

Tgt Ion:264 Resp: 148842
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 28.81 ng

RT: 19.95 min Scan# 3063

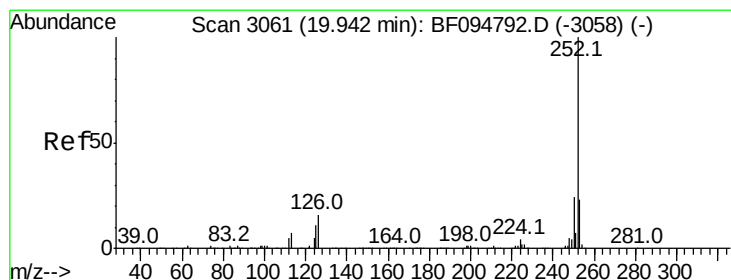
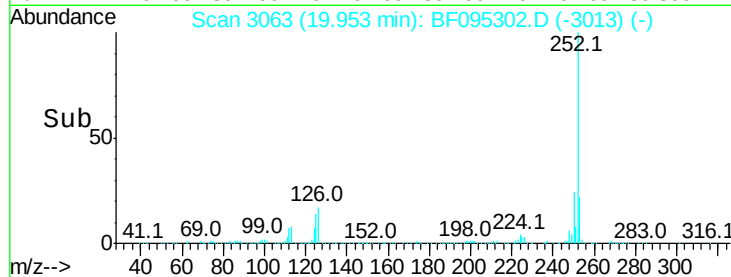
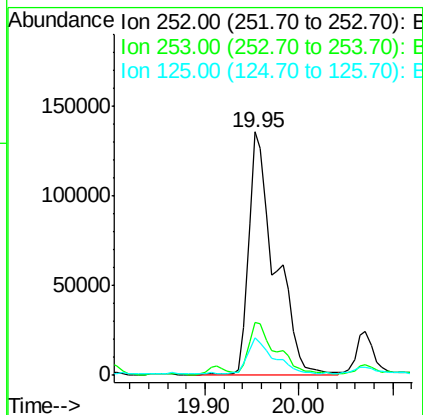
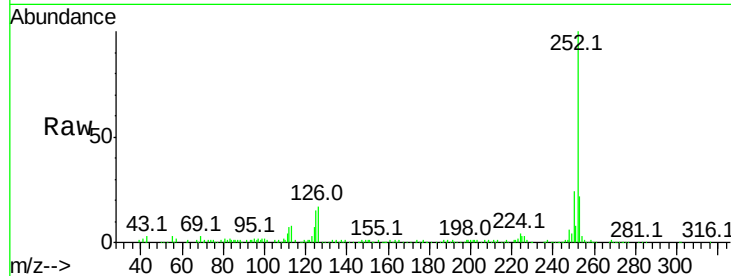
Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.3	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 29.87 ng

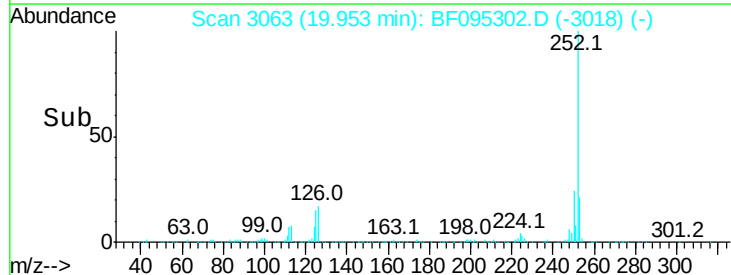
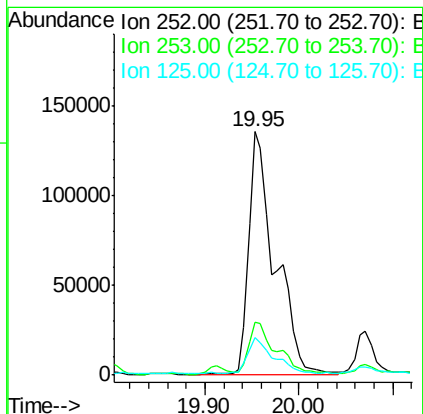
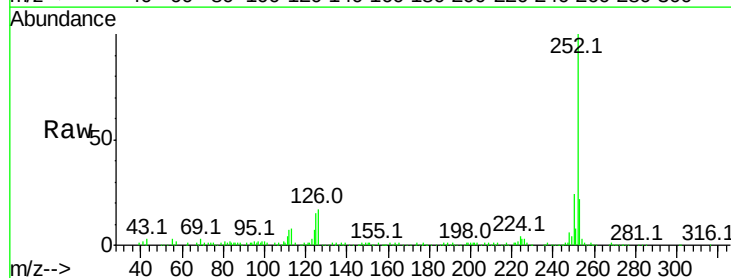
RT: 19.95 min Scan# 3063

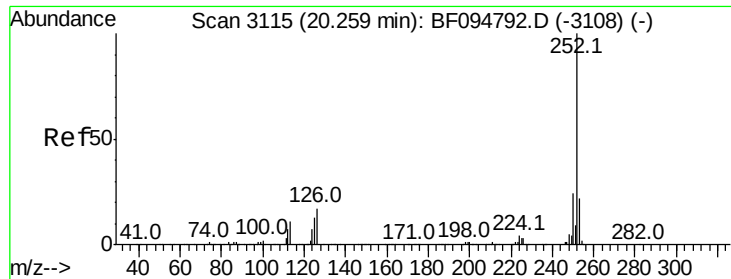
Delta R.T. -0.04 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	15.3	13.1	19.7





#89

Benzo(a)pyrene

Concen: 14.99 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

Instrument :

BNA_F

ClientSampled :

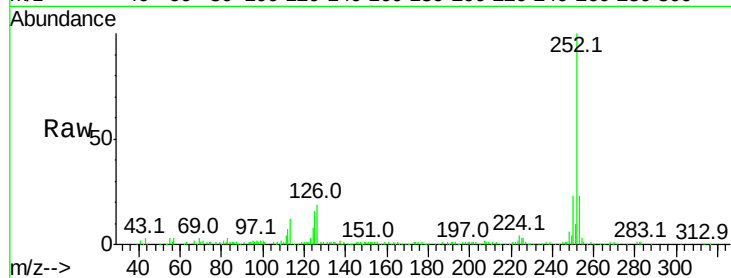
Tot Ion:252 Resp: 127213

Ion Ratio Lower Upper

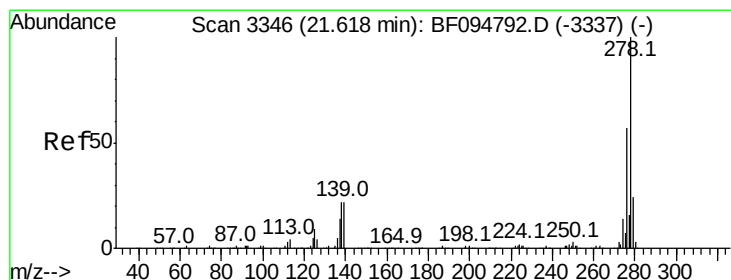
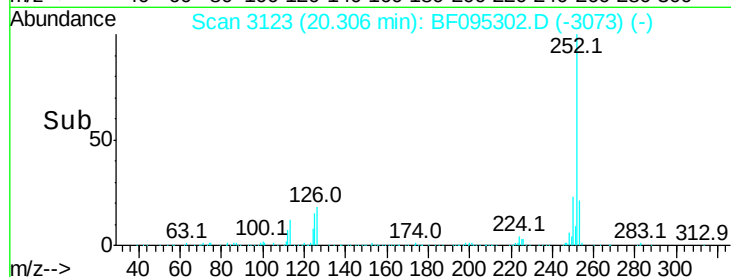
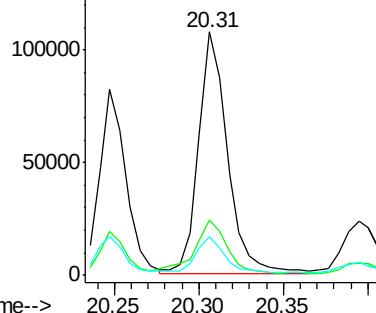
252 100

253 22.5 17.5 26.3

125 15.9 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



#90

Dibenzo(a,h)anthracene

Concen: 2.23 ng

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095302.D

Acq: 20 May 2017 13:38

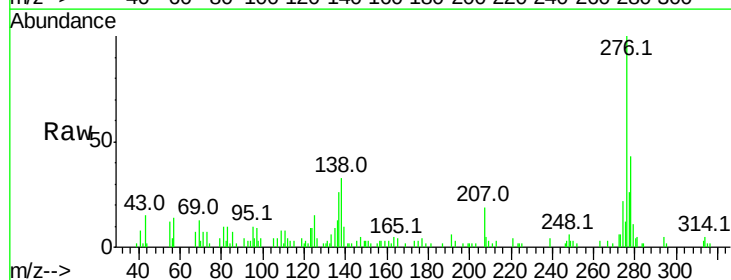
Tgt Ion:278 Resp: 15608

Ion Ratio Lower Upper

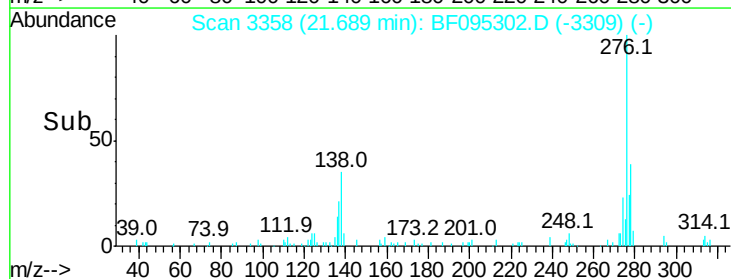
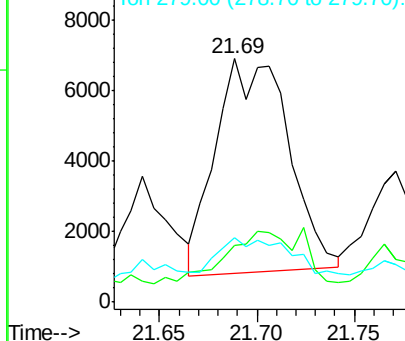
278 100

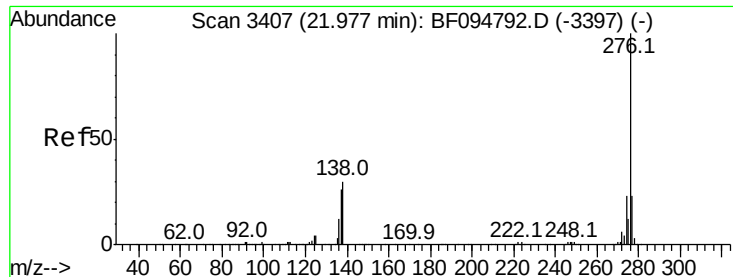
139 23.2 16.6 24.8

279 26.3 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(a,h,i)perylene
 Concen: 9.10 ng
 RT: 22.09 min Scan# 3427
 Delta R.T. 0.01 min
 Lab File: BF095302.D
 Acq: 20 May 2017 13:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	32.3	25.4	38.0

