

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095803.D
 Acq On : 9 Jun 2017 1:50
 Operator : SJ/MA
 Sample : I3470-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 04:29:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

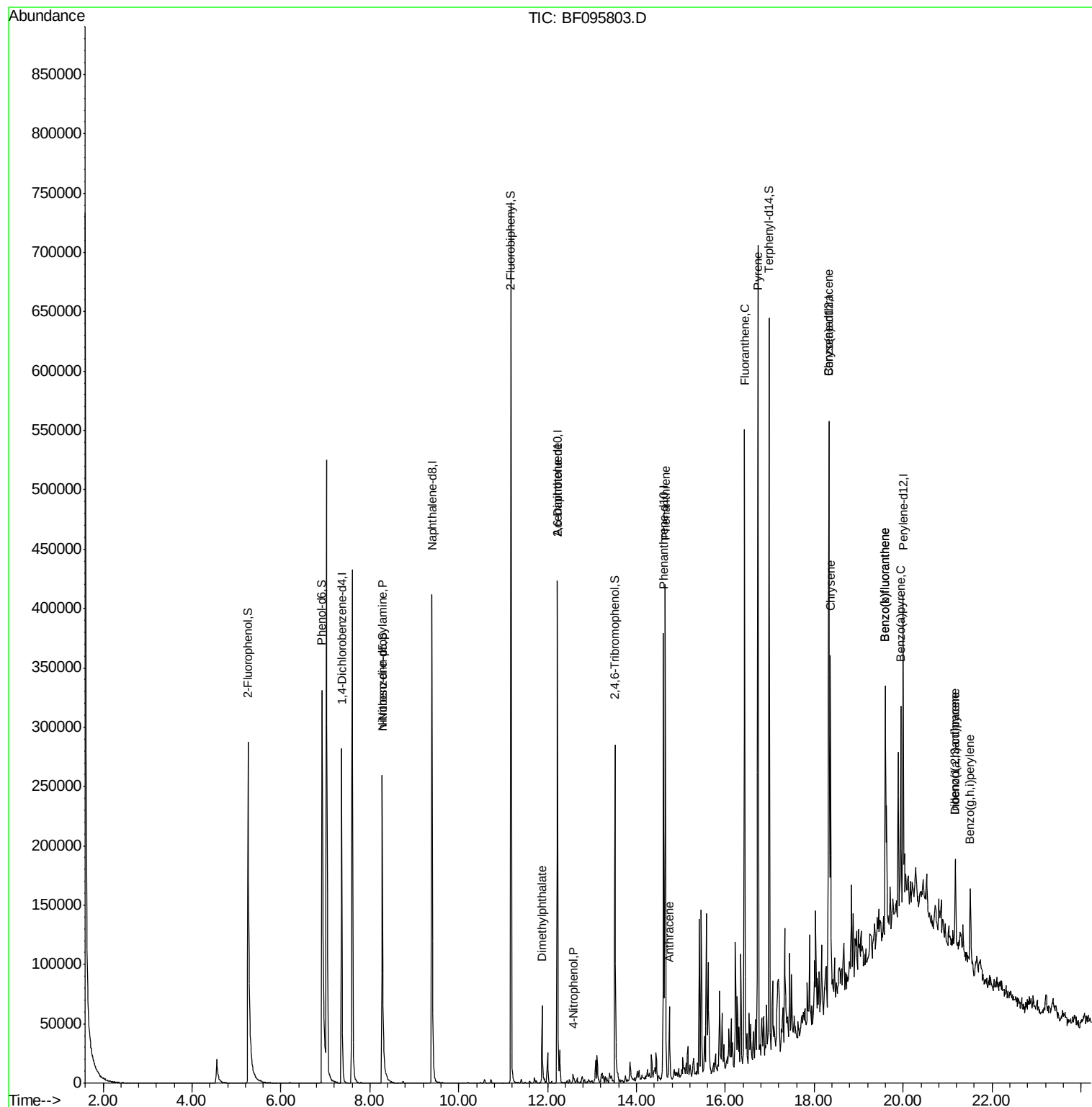
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	70638	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	282793	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	118033	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	186973	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	141189	20.00	ng	-0.02
86) Perylene-d12	20.00	264	107458	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	229337	51.73	ng	-0.03
7) Phenol-d6	6.92	99	277325	52.26	ng	-0.04
23) Nitrobenzene-d5	8.28	82	159613	35.05	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	47841	45.81	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	324158	38.22	ng	-0.04
78) Terphenyl-d14	16.99	244	216599	38.07	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	19300	5.74	ng	# 70
49) Dimethylphthalate	11.87	163	43607	4.87	ng	98
50) 2,6-Dinitrotoluene	12.22	165	15356	7.86	ng	# 31
55) 4-Nitrophenol	12.57	139	2254	6.22	ng	# 25
70) Phenanthrene	14.65	178	226820	21.02	ng	98
71) Anthracene	14.74	178	39225	3.48	ng	97
74) Fluoranthene	16.43	202	268975	25.19	ng	98
77) Pyrene	16.73	202	289554	27.49	ng	98
80) Benzo(a)anthracene	18.32	228	118829	14.48	ng	99
82) Chrysene	18.36	228	126988	15.48	ng	98
85) Indeno(1,2,3-cd)pyrene	21.17	276	38005	5.41	ng	95
87) Benzo(b)fluoranthene	19.60	252	134978	20.06	ng	# 94
88) Benzo(k)fluoranthene	19.60	252	134978	20.99	ng	98
89) Benzo(a)pyrene	19.94	252	69232	11.19	ng	98
90) Dibenzo(a,h)anthracene	21.17	278	10548	2.01	ng	# 80
91) Benzo(g,h,i)perylene	21.51	276	36395	6.80	ng	# 93

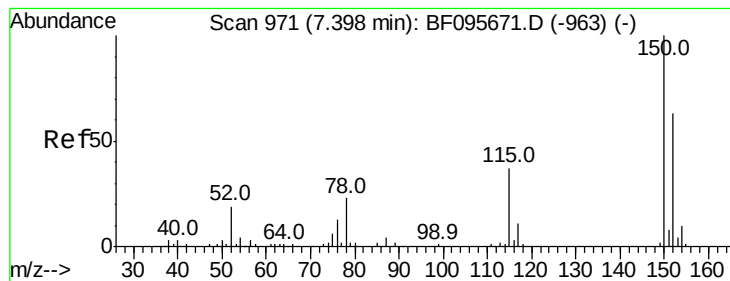
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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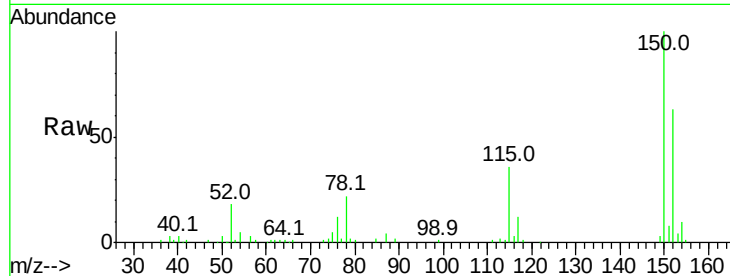


#1

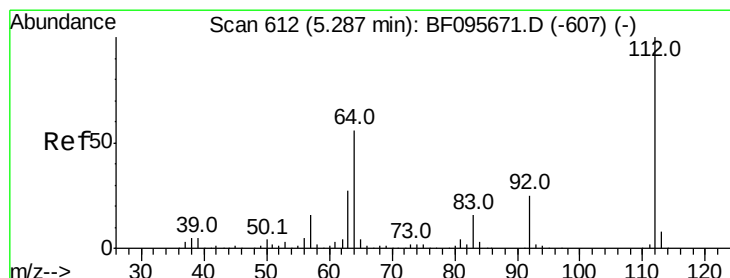
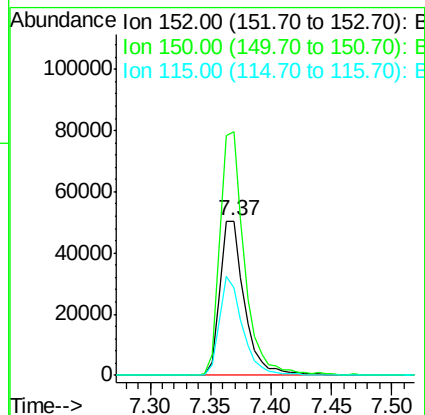
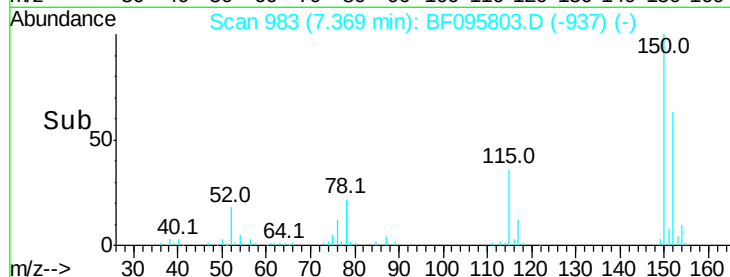
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70638
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 57.1 52.2 78.2



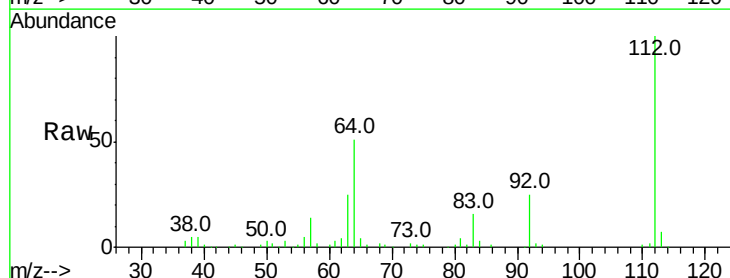
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



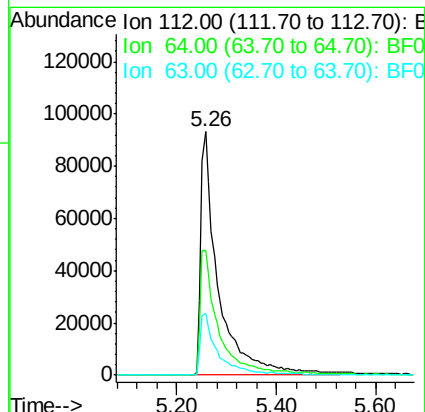
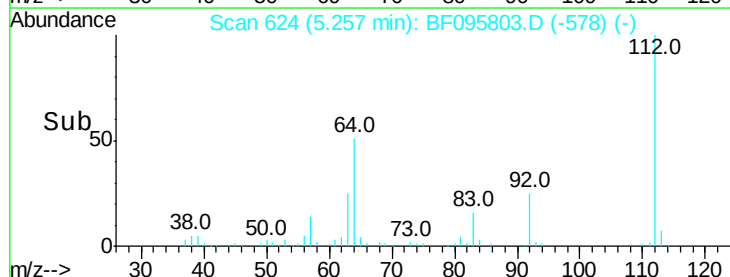
#5

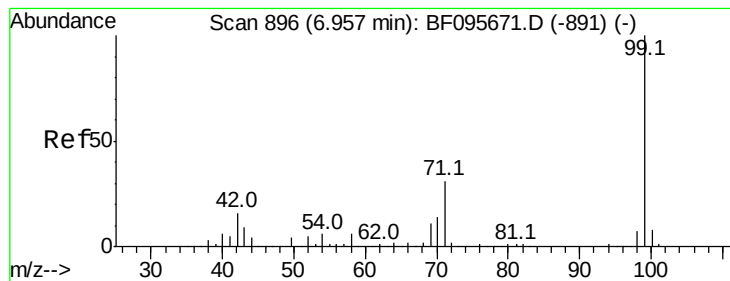
2-Fluorophenol
Concen: 51.73 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Tgt Ion:112 Resp: 229337
Ion Ratio Lower Upper
112 100
64 51.1 46.0 69.0
63 25.4 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: 52.26 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

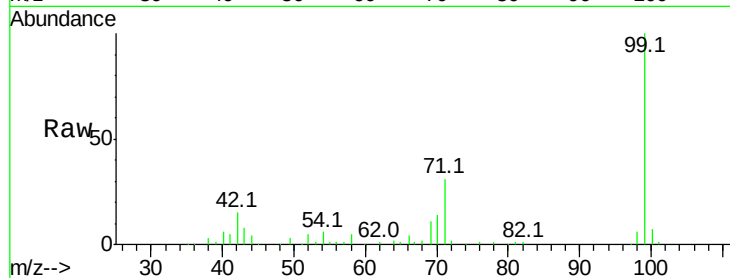
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 277325

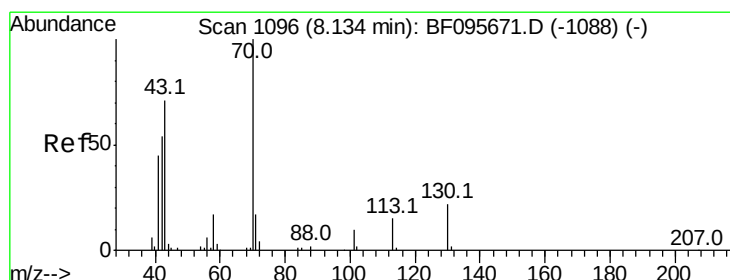
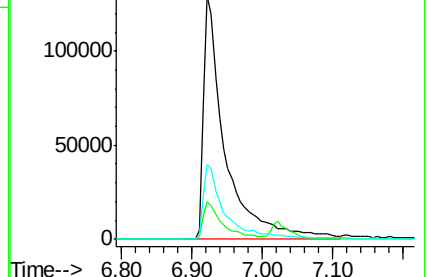
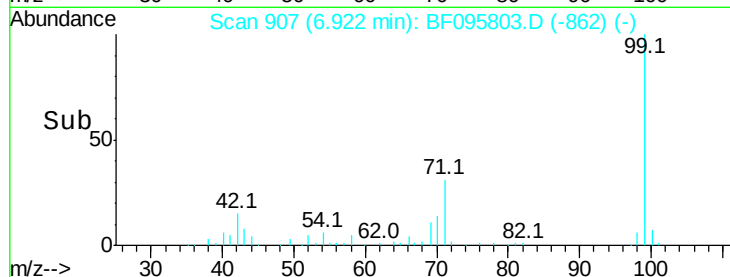
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	30.9	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.74 ng

RT: 8.28 min Scan# 1138

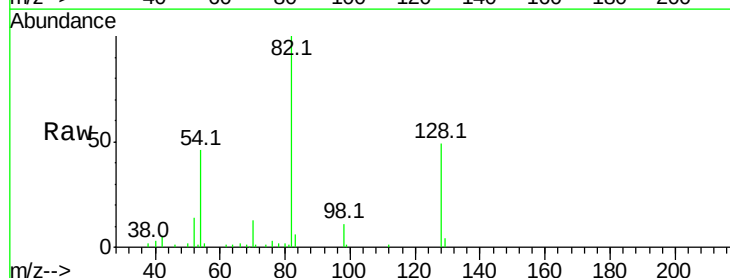
Delta R.T. 0.15 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Tgt Ion: 70 Resp: 19300

Ion	Ratio	Lower	Upper
70	100		
42	39.6	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

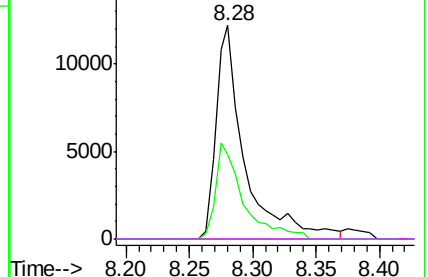
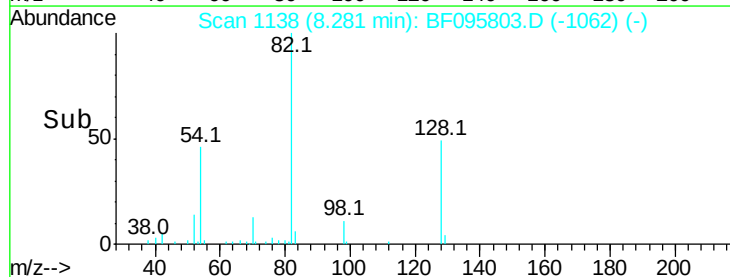


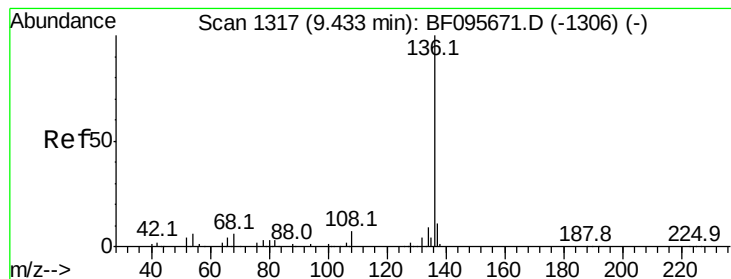
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 282793

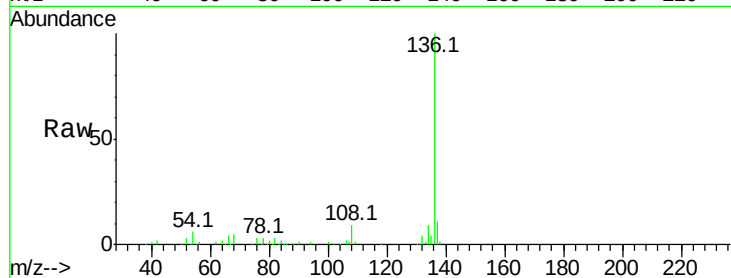
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.3 4.9 7.3

68 5.2 4.1 6.1

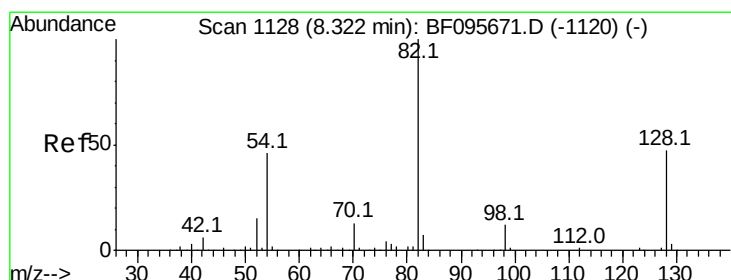
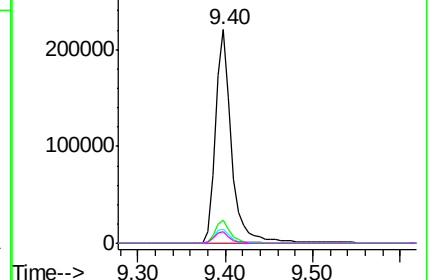
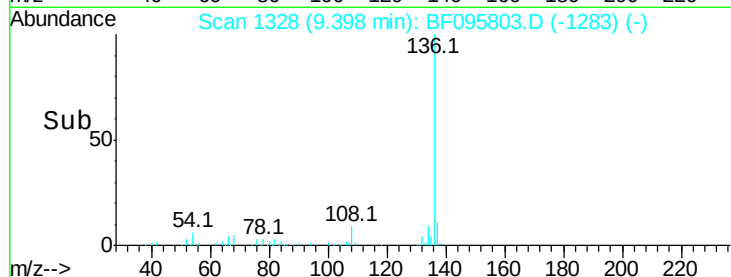


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 35.05 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

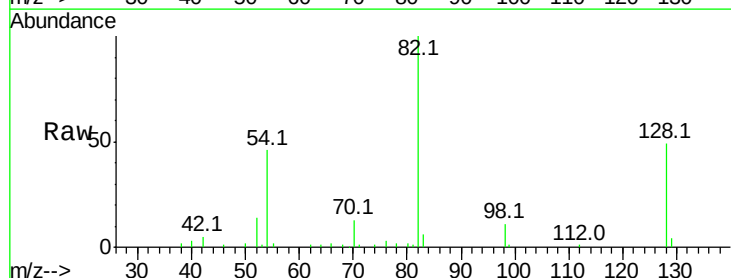
Tgt Ion: 82 Resp: 159613

Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

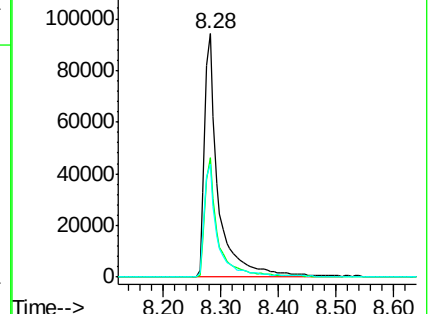
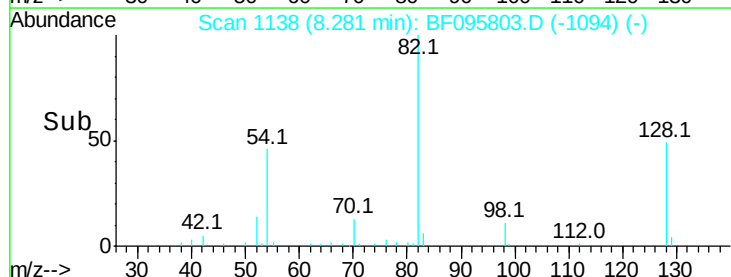
54 46.3 42.2 63.2

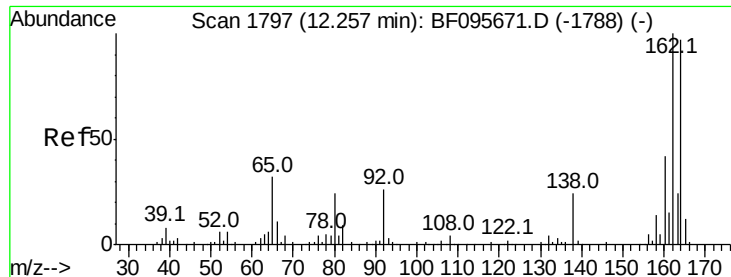


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

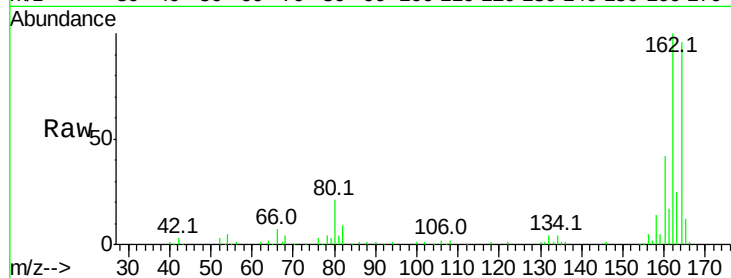
Tot Ion:164 Resp: 118033

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

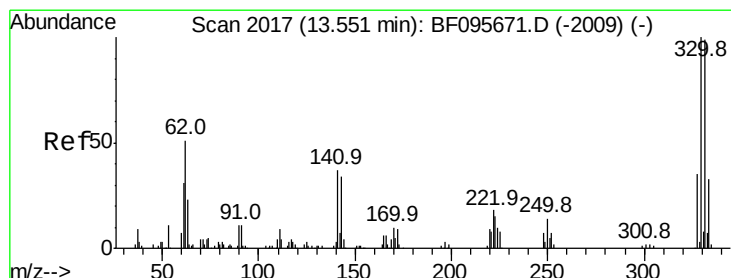
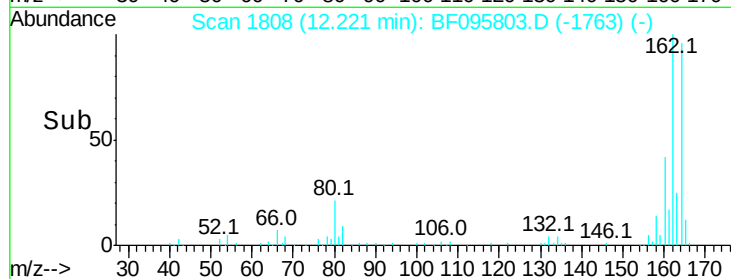
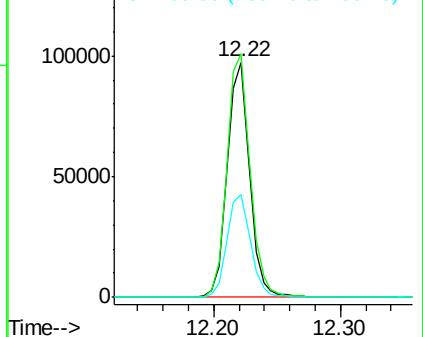
160 43.8 36.2 54.2



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: 45.81 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

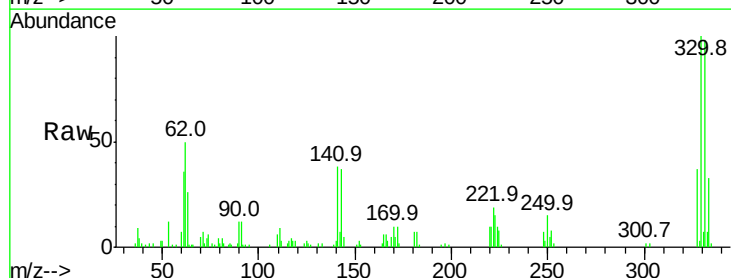
Tgt Ion:330 Resp: 47841

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

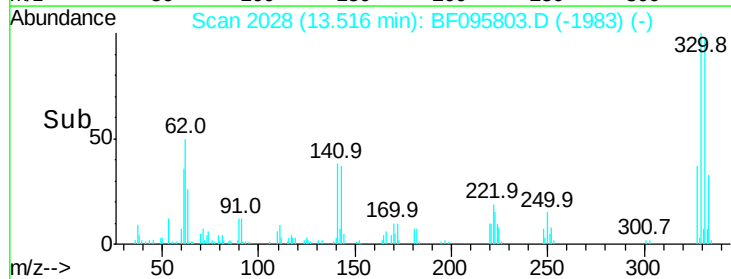
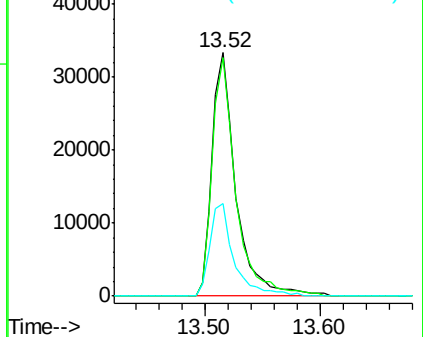
141 38.4 31.4 47.2

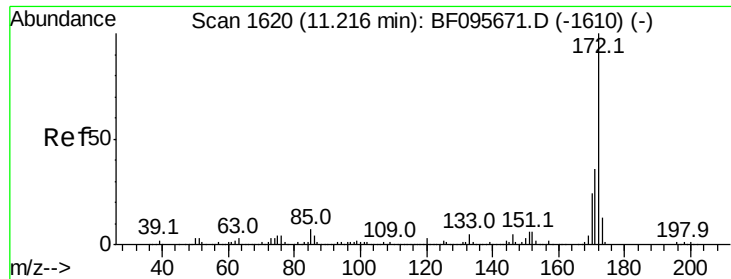


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

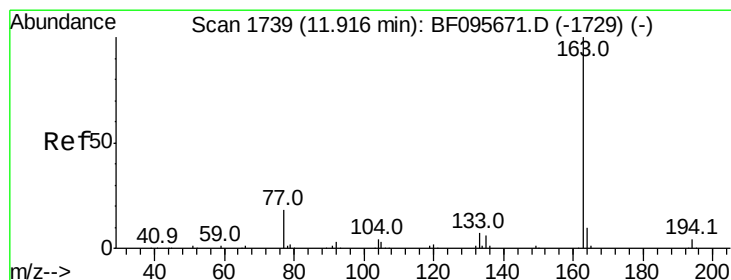
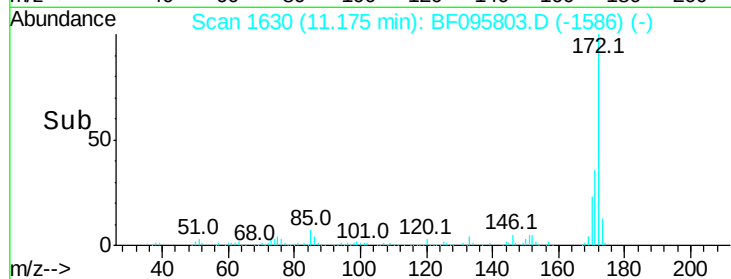
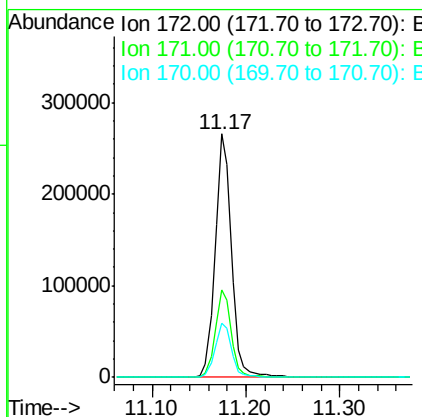
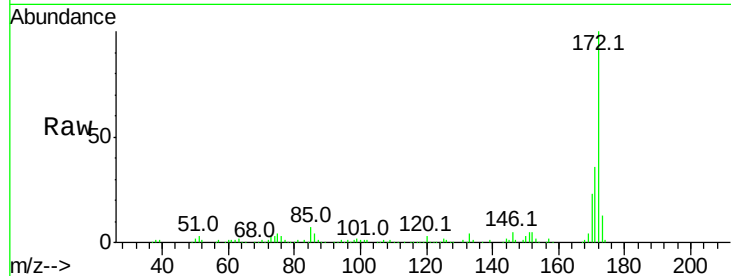




#44
2-Fluorobiphenyl
Concen: 38.22 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

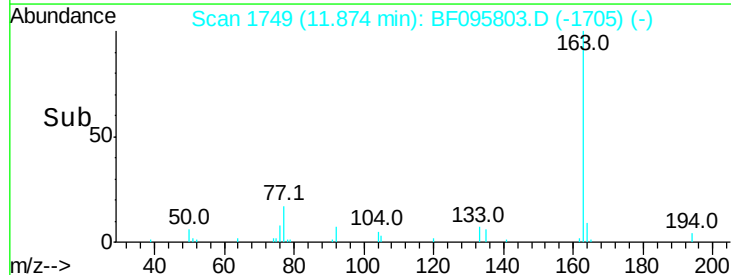
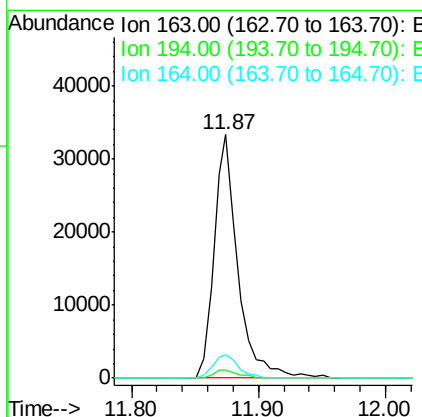
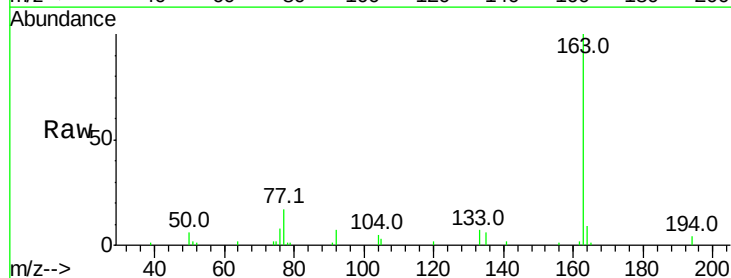
Instrument :
BNA_F
ClientSampleId :

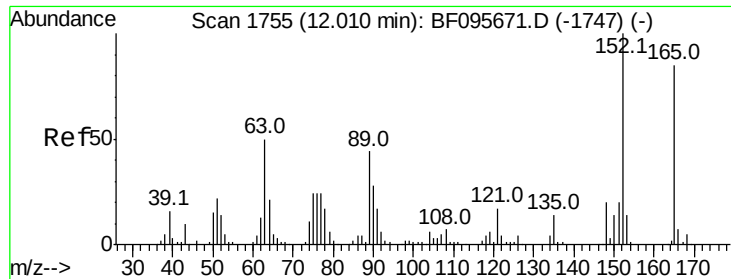
Tot Ion:172 Resp: 324158
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 22.5 19.8 29.8



#49
Dimethylphthalate
Concen: 4.87 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Tgt Ion:163 Resp: 43607
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.5 8.4 12.6

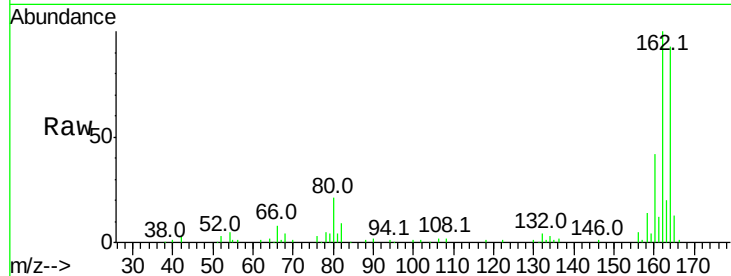




#50
2,6-Dinitrotoluene
Concen: 7.86 ng
RT: 12.22 min Scan# 1807
Delta R.T. 0.21 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :

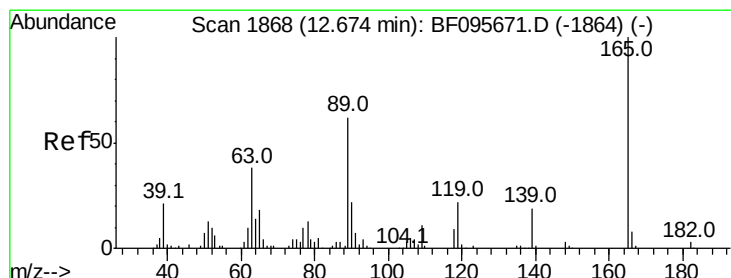
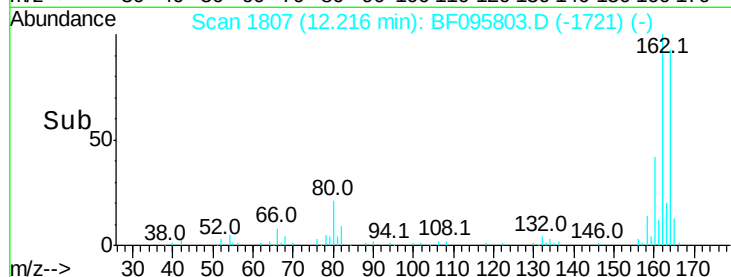
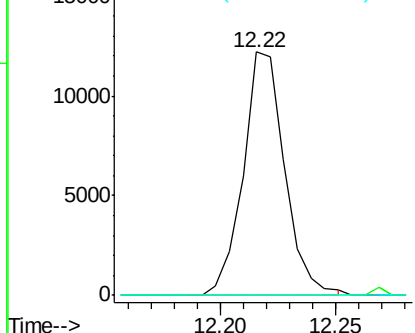
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

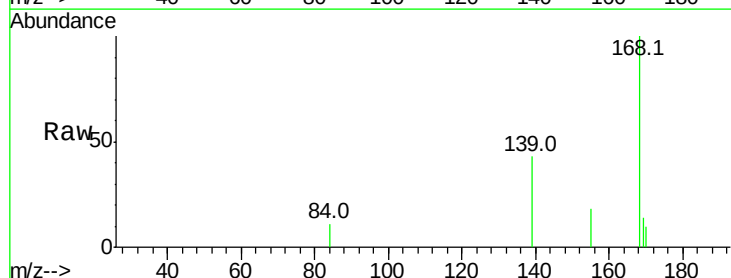
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
4-Nitrophenol
Concen: 6.22 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

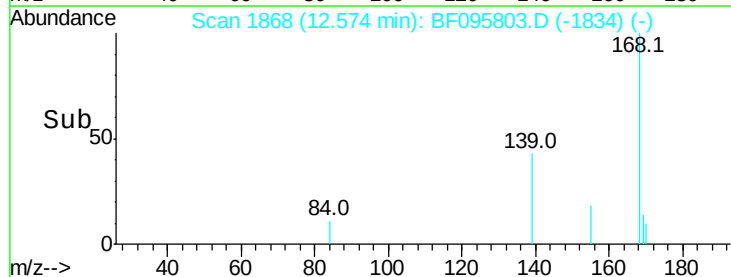
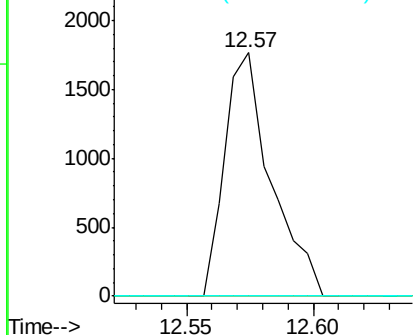
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

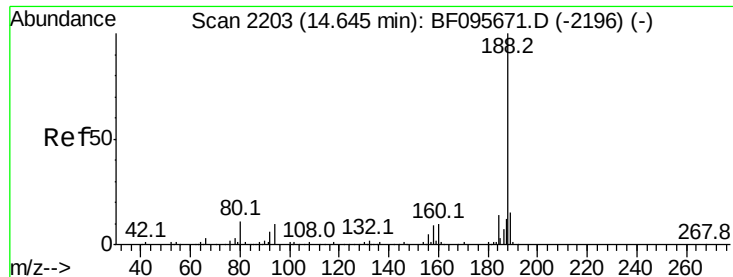


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

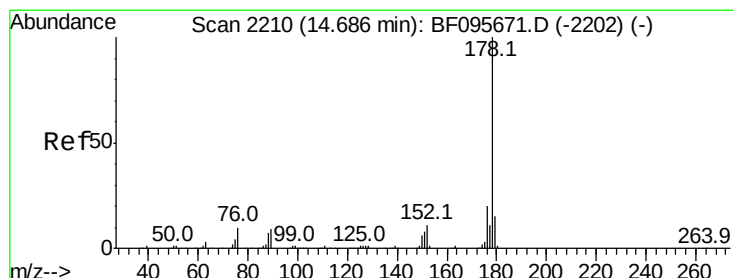
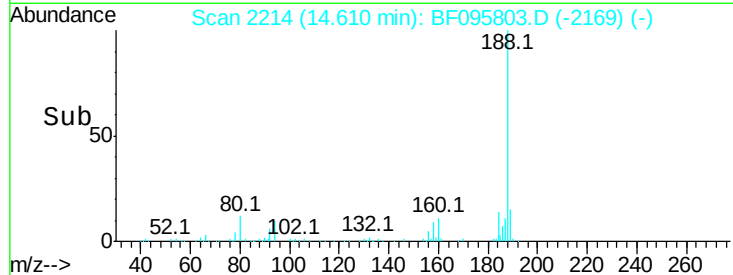
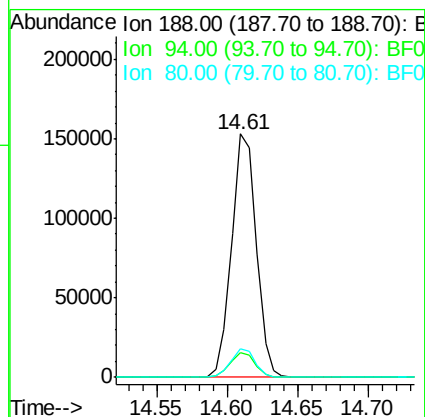




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

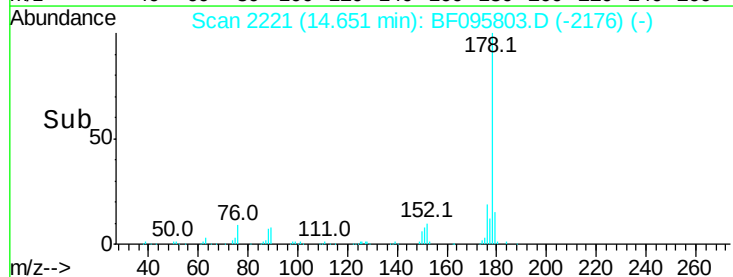
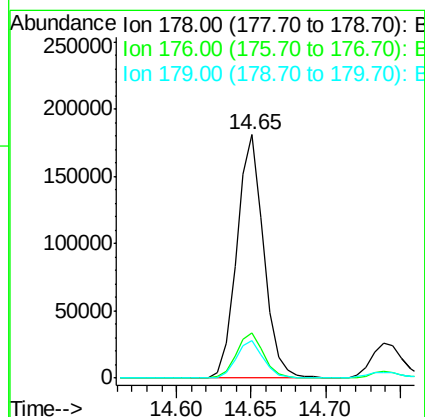
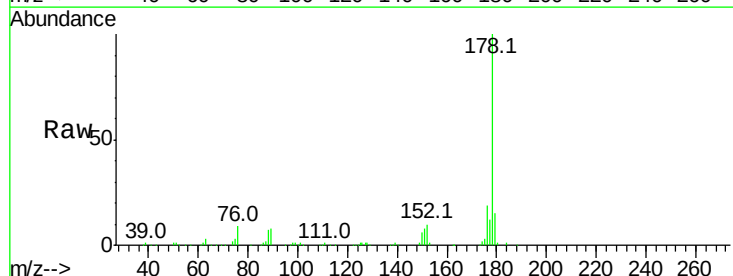
Instrument :
BNA_F
ClientSampleId :

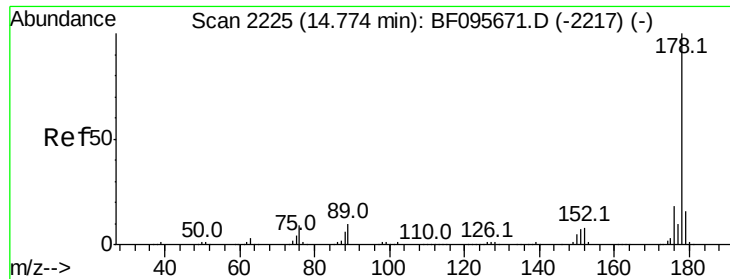
Tot Ion:188 Resp: 186973
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.6 10.2 15.2



#70
Phenanthrene
Concen: 21.02 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Tgt Ion:178 Resp: 226820
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.2 12.6 19.0





#71

Anthracene

Concen: 3.48 ng

RT: 14.74 min Scan# 2236

Delta R.T. -0.04 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

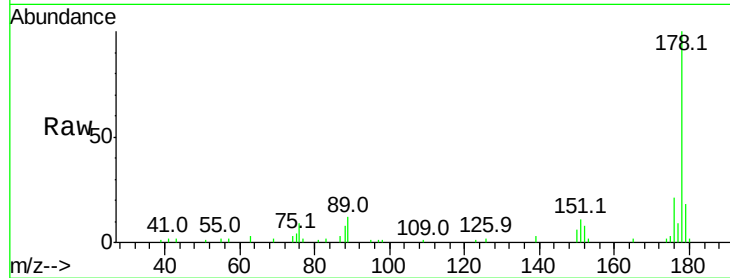
Tot Ion:178 Resp: 39225

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

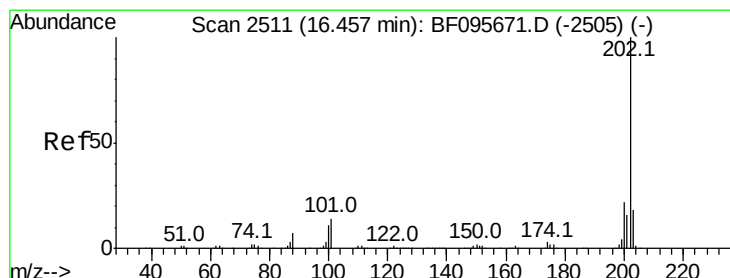
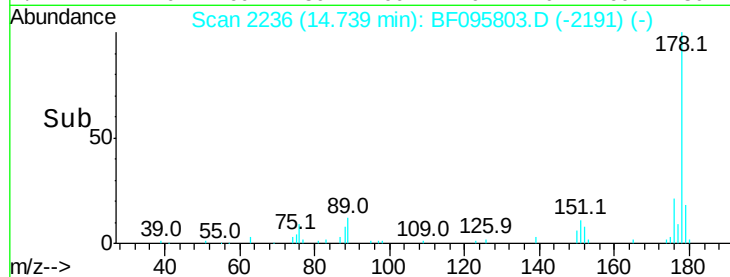
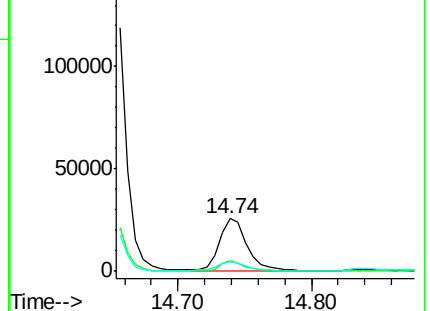
179 17.9 12.7 19.1



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: 25.19 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

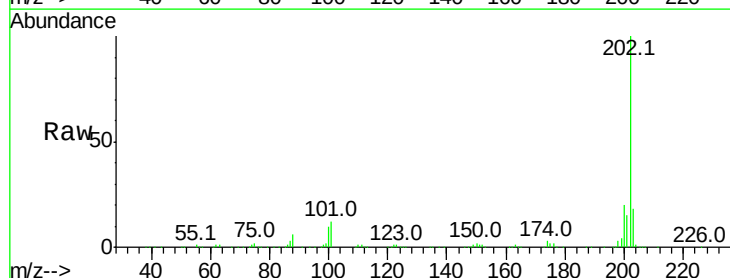
Tgt Ion:202 Resp: 268975

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.2

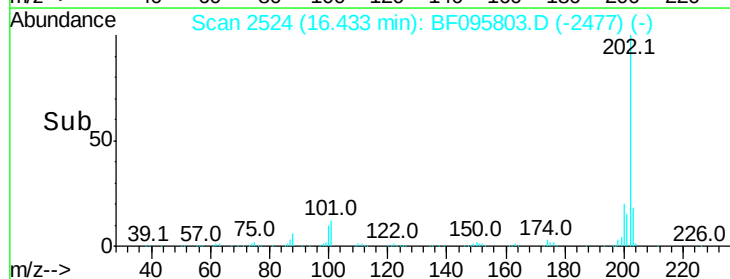
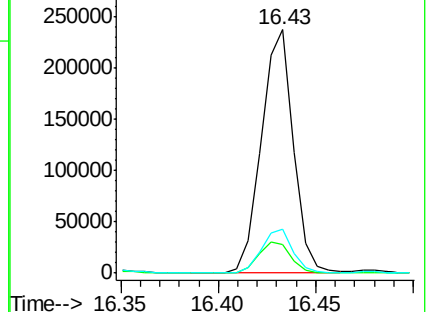
203 18.2 0.0 38.1

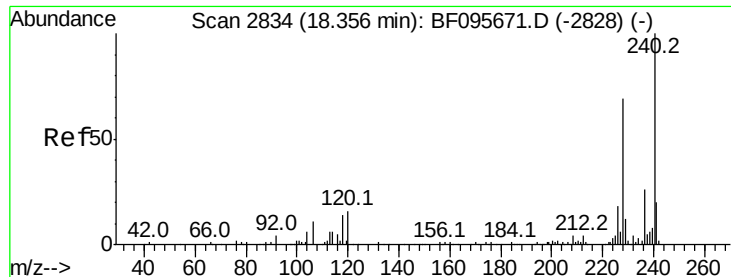


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

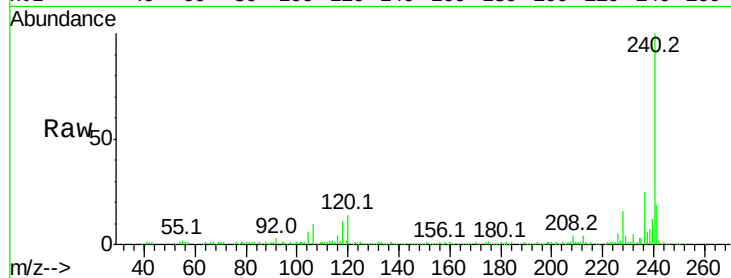
Tot Ion:240 Resp: 141189

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

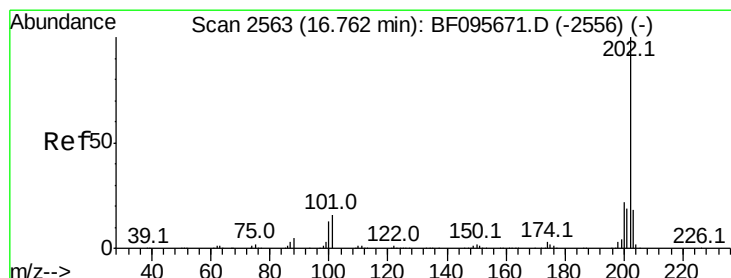
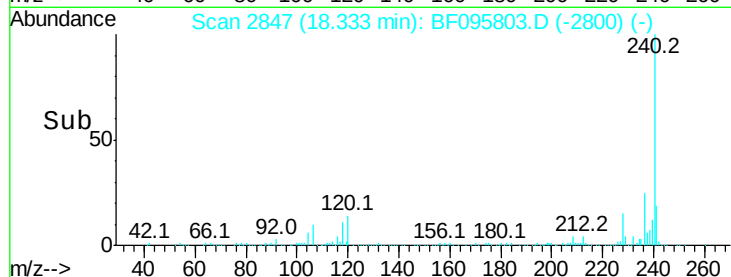
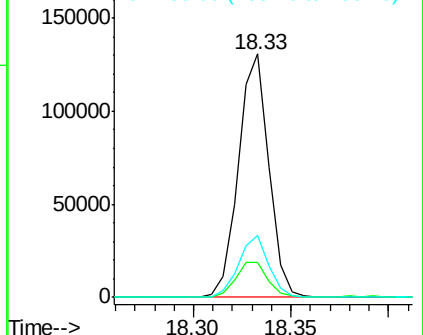
236 25.4 20.5 30.7



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: 27.49 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

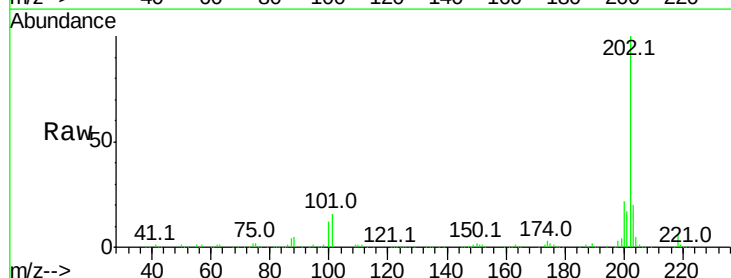
Tgt Ion:202 Resp: 289554

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

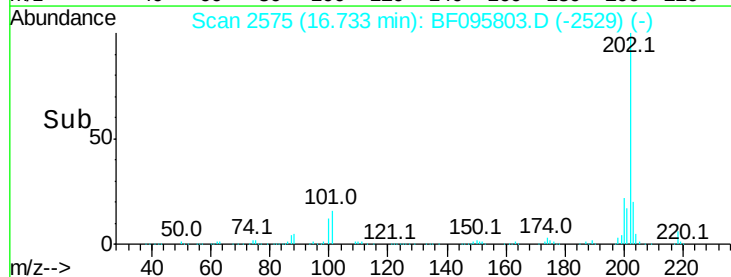
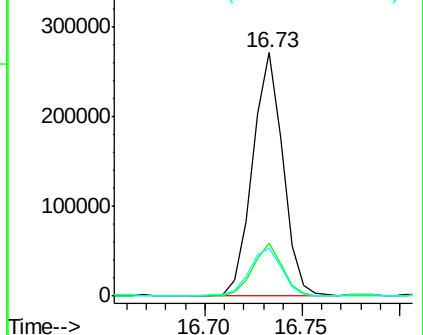
203 19.9 14.4 21.6

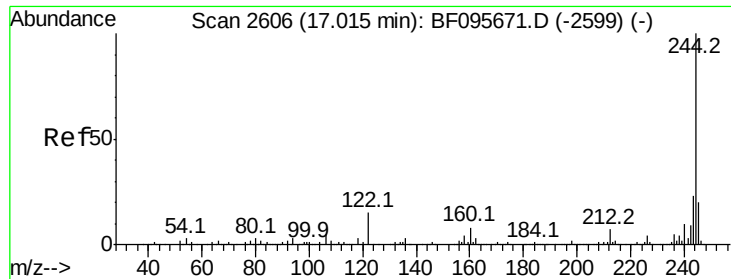


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

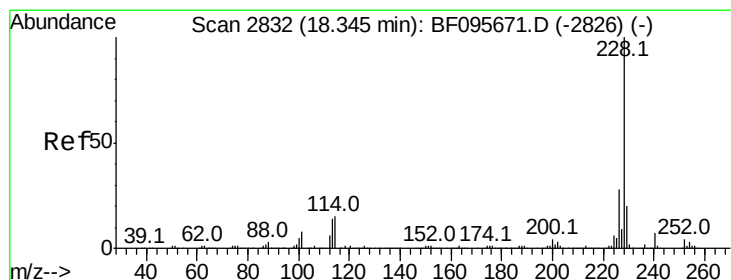
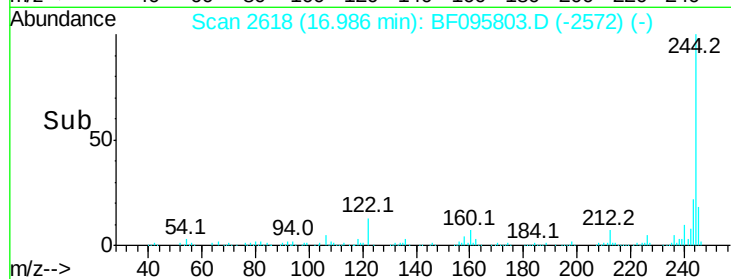
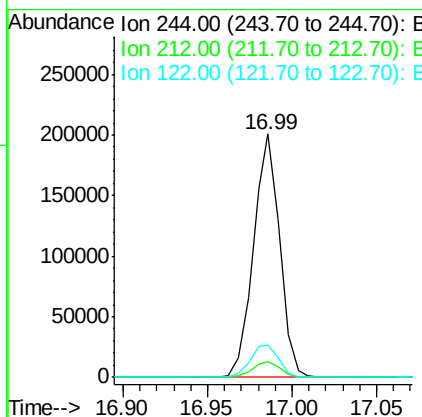
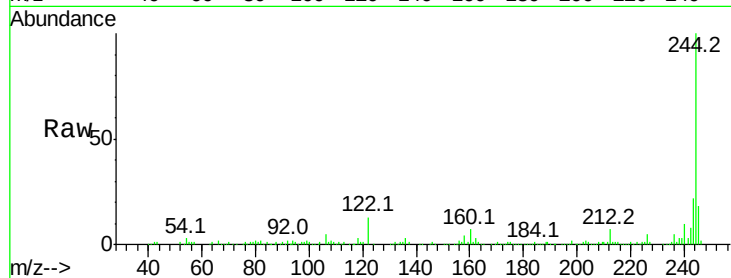




#78
 Terphenyl-d14
 Concen: 38.07 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095803.D
 Acq: 9 Jun 2017 1:50

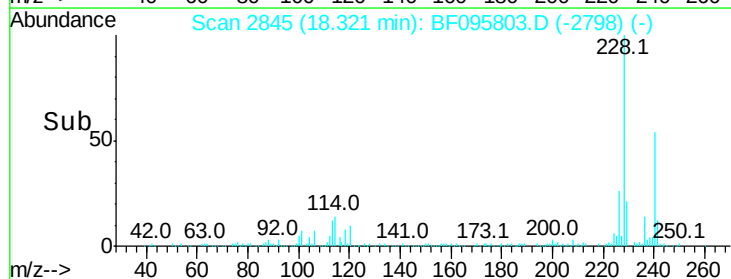
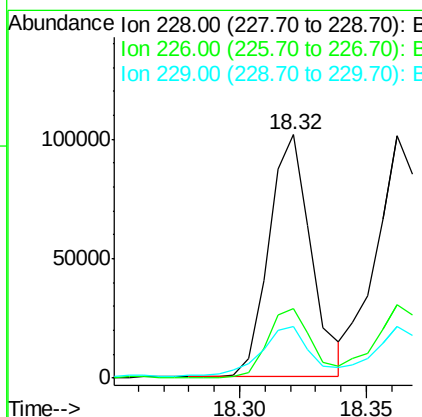
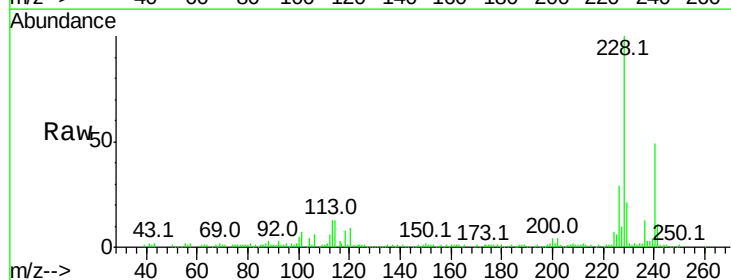
Instrument :
 BNA_F
 ClientSampleId :

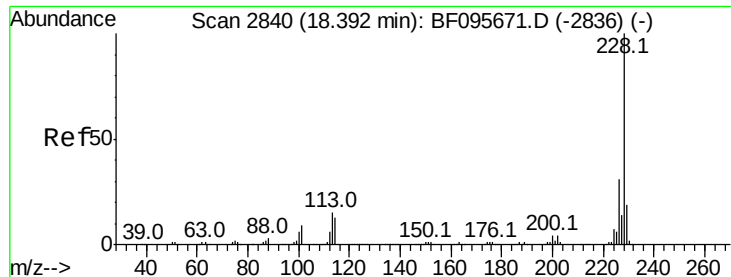
Tot Ion:244 Resp: 216599
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 14.48 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095803.D
 Acq: 9 Jun 2017 1:50

Tgt Ion:228 Resp: 118829
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 21.2 16.3 24.5





#82

Chrysene

Concen: 15.48 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampled :

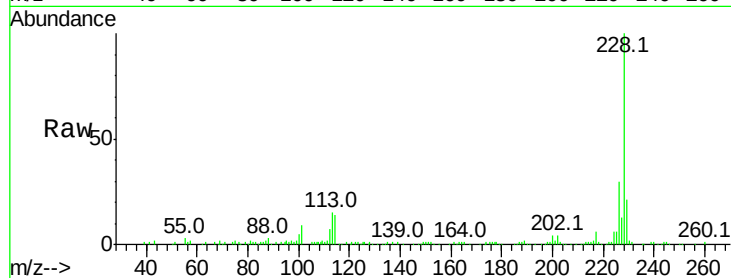
Tot Ion:228 Resp: 126988

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

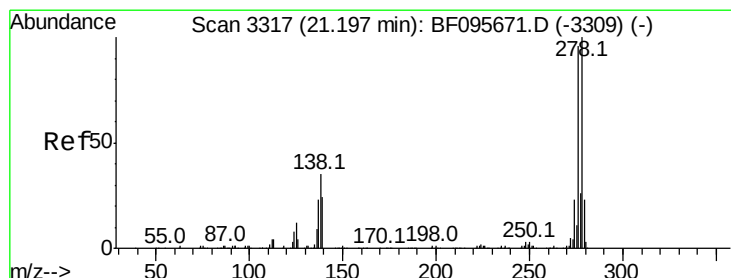
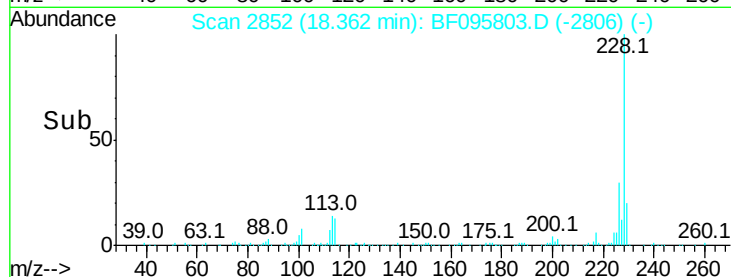
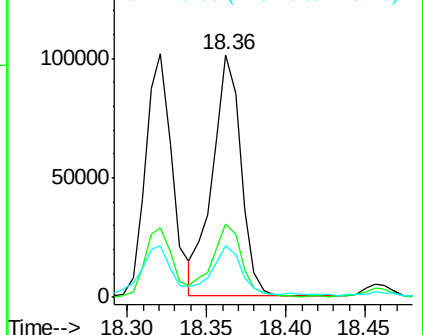
229 21.1 15.8 23.6



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: 5.41 ng

RT: 21.17 min Scan# 3330

Delta R.T. -0.02 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

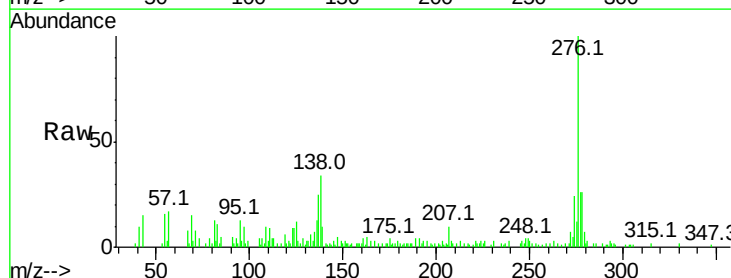
Tgt Ion:276 Resp: 38005

Ion Ratio Lower Upper

276 100

138 30.4 27.8 41.6

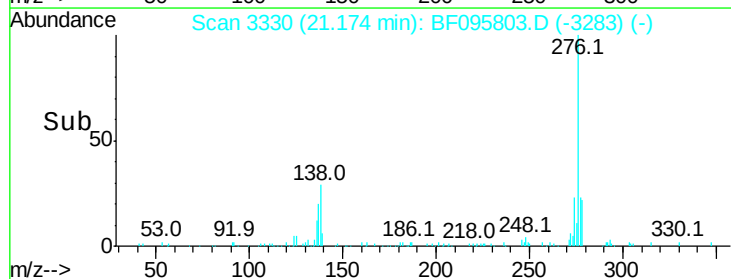
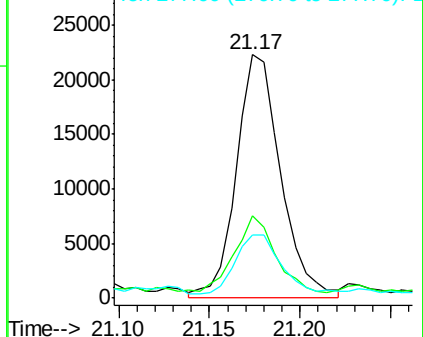
277 25.0 20.2 30.4

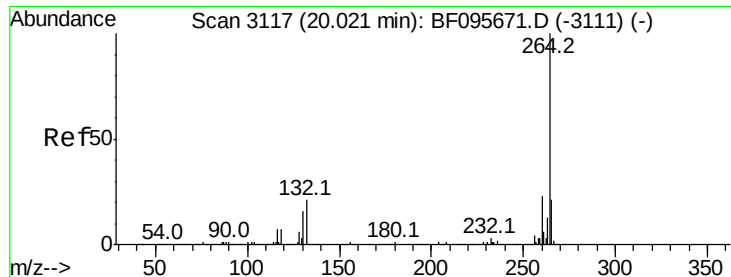


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.00 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

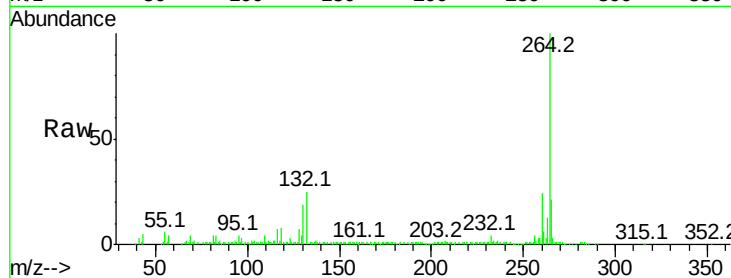
Tot Ion:264 Resp: 107458

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

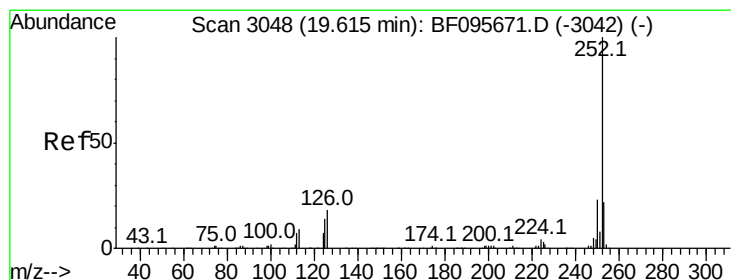
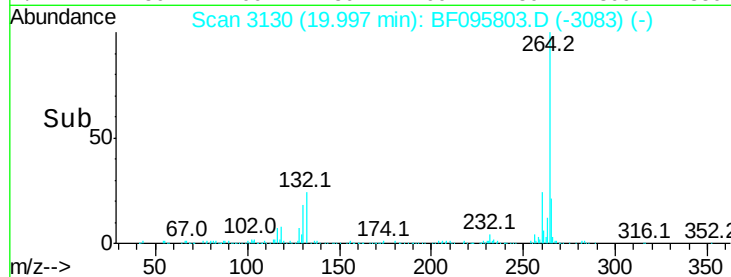
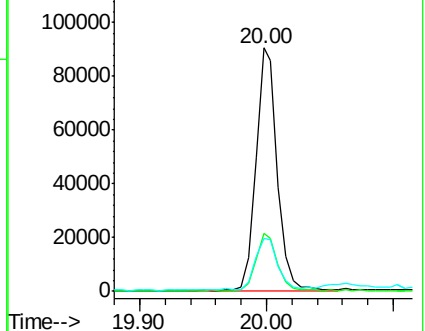
265 21.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 20.06 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095803.D

Acq: 9 Jun 2017 1:50

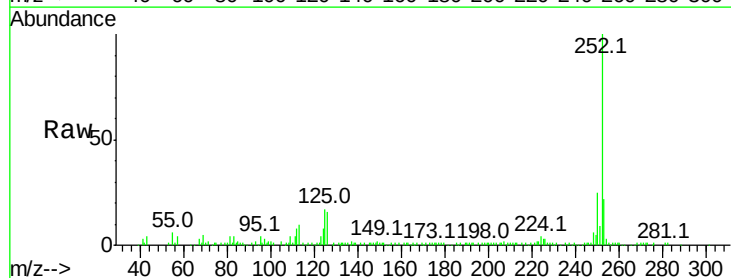
Tgt Ion:252 Resp: 134978

Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

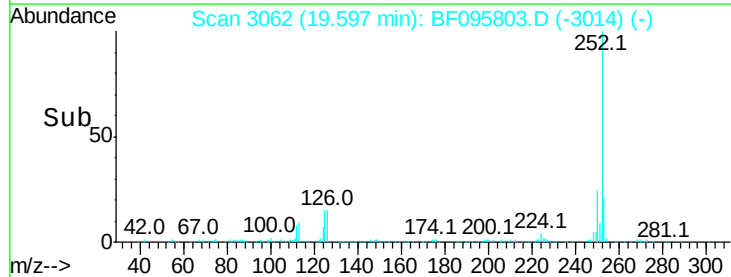
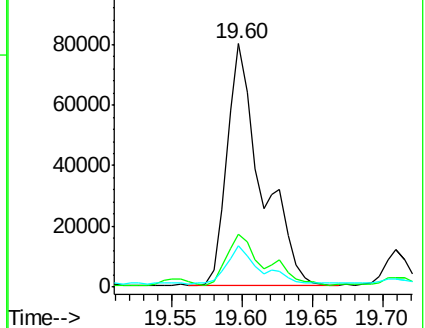
125 17.1 9.8 14.8#

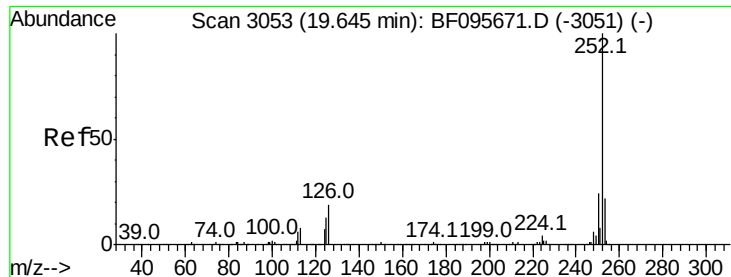


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

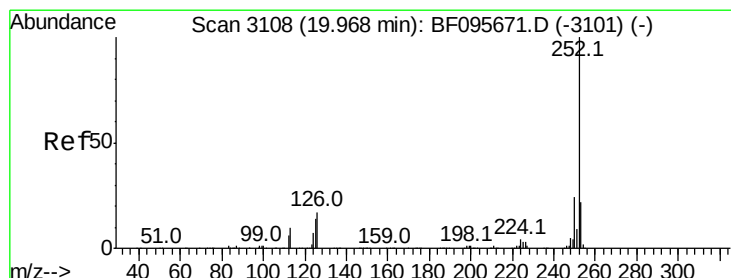
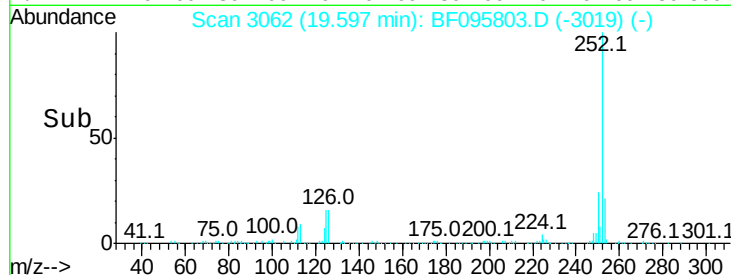
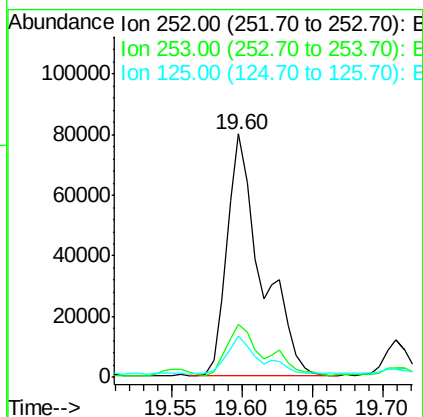
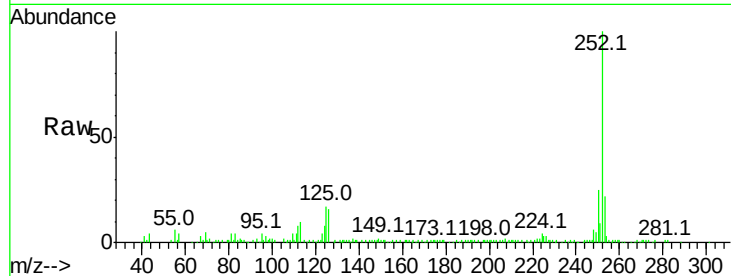




#88
Benzo(k)fluoranthene
Concen: 20.99 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

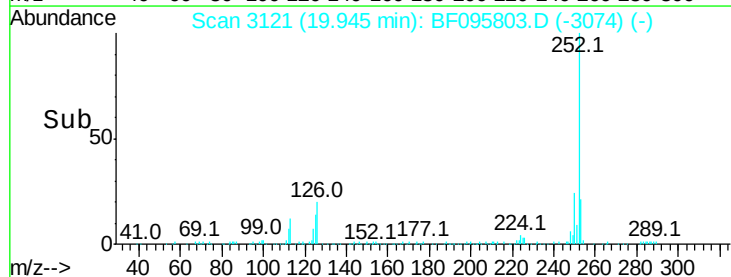
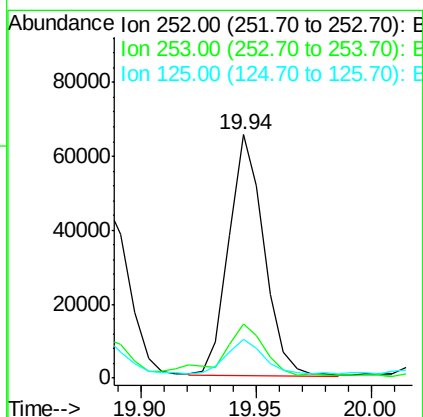
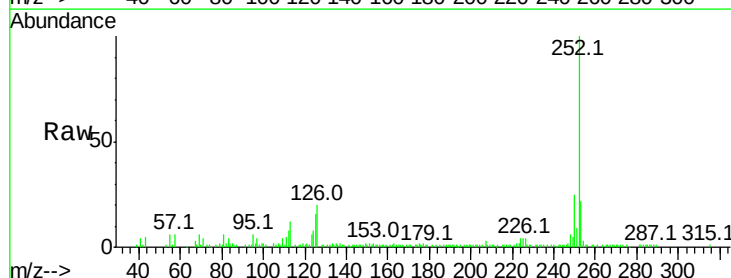
Instrument :
BNA_F
ClientSampleId :

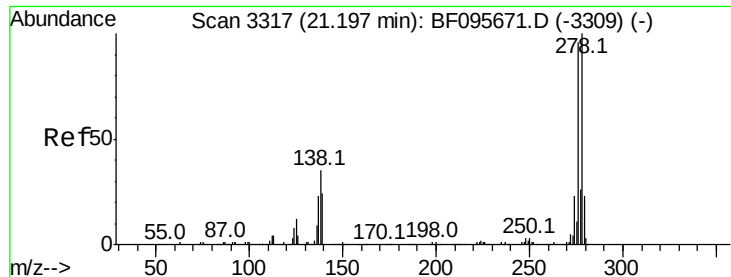
Tot Ion:252 Resp: 134978
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 17.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 11.19 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Tgt Ion:252 Resp: 69232
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 15.8 11.0 16.4

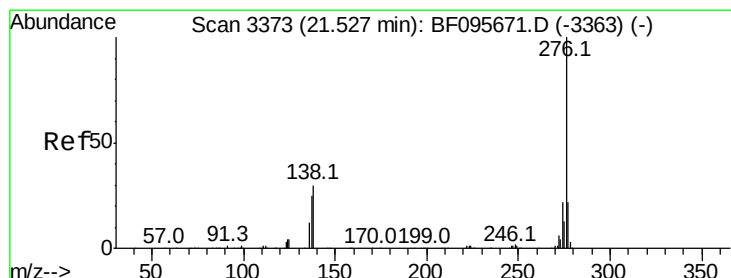
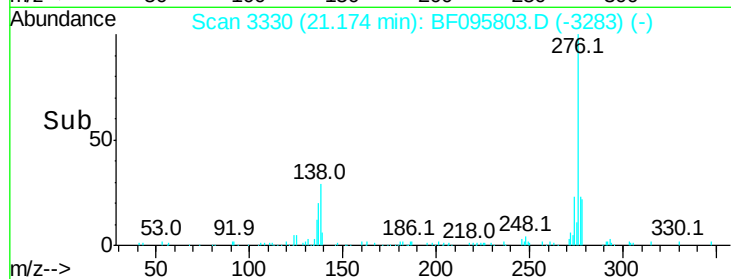
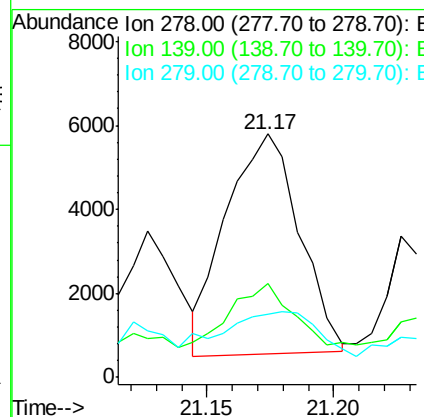
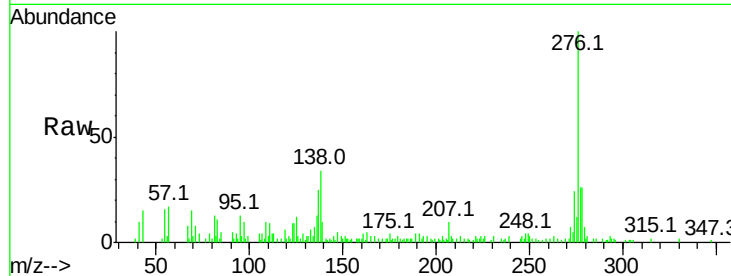




#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 10548
Ion Ratio Lower Upper
278 100
139 38.4 16.6 24.8#
279 25.9 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 6.80 ng
RT: 21.51 min Scan# 3387
Delta R.T. -0.02 min
Lab File: BF095803.D
Acq: 9 Jun 2017 1:50

Tgt Ion:276 Resp: 36395
Ion Ratio Lower Upper
276 100
277 29.0 18.6 28.0#
138 34.1 25.4 38.0

