

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095860.D
 Acq On : 10 Jun 2017 21:48
 Operator : SJ/MA
 Sample : I3615-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:52:17 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

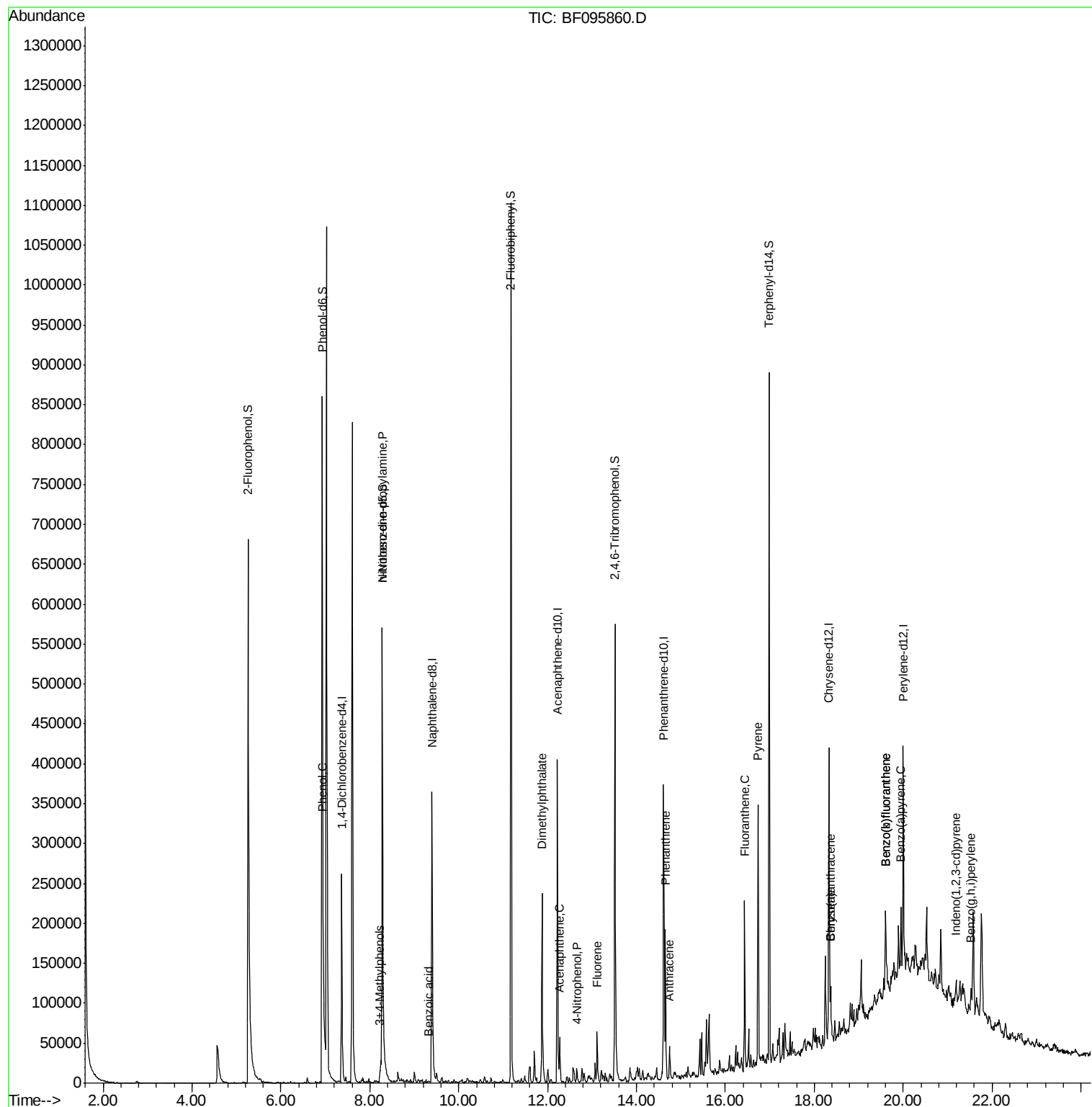
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	64012	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	264478	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	118295	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	191401	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	137136	20.00	ng	-0.02
86) Perylene-d12	20.00	264	122614	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	442773	110.22	ng	-0.03
7) Phenol-d6	6.93	99	561490	116.75	ng	-0.03
23) Nitrobenzene-d5	8.28	82	314942	73.95	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	98140	93.77	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	515232	60.61	ng	-0.04
78) Terphenyl-d14	16.99	244	311149	56.31	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.95	94	11023	2.21	ng	# 43
19) n-Nitroso-di-n-propylamine	8.28	70	39524	12.97	ng	# 79
20) 3+4-Methylphenols	8.23	107	16944	3.72	ng	# 59
32) Benzoic acid	9.32	122	393	5.27	ng	# 1
49) Dimethylphthalate	11.87	163	148891	16.58	ng	99
51) Acenaphthene	12.27	154	16159	2.15	ng	93
55) 4-Nitrophenol	12.66	139	132	4.72	ng	# 25
57) Fluorene	13.12	166	24149	2.62	ng	99
70) Phenanthrene	14.65	178	113850	10.31	ng	99
71) Anthracene	14.74	178	28412	2.46	ng	97
74) Fluoranthene	16.43	202	108800	9.95	ng	98
77) Pyrene	16.73	202	119281	11.66	ng	94
80) Benzo(a)anthracene	18.37	228	38361	4.81	ng	95
82) Chrysene	18.37	228	38361	4.81	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.19	276	16485	2.42	ng	94
87) Benzo(b)fluoranthene	19.60	252	66848	8.71	ng	# 94
88) Benzo(k)fluoranthene	19.60	252	66848	9.11	ng	98
89) Benzo(a)pyrene	19.95	252	34129	4.84	ng	98
91) Benzo(a,h,i)perylene	21.53	276	20461	3.35	ng	# 90

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

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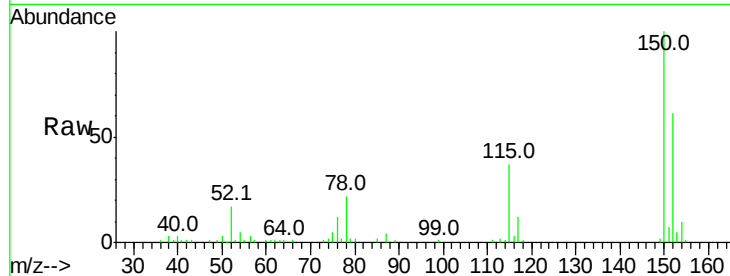


#1

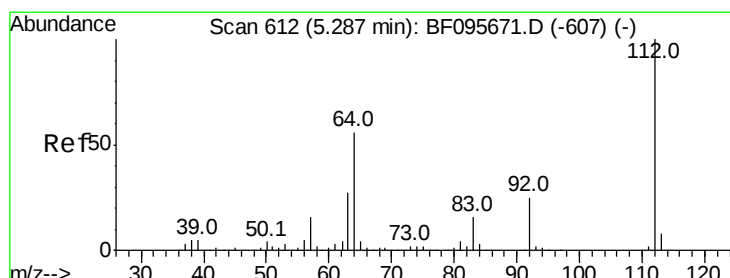
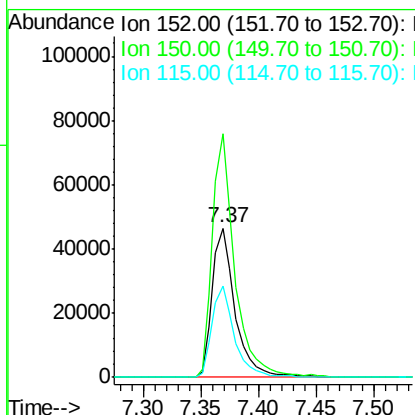
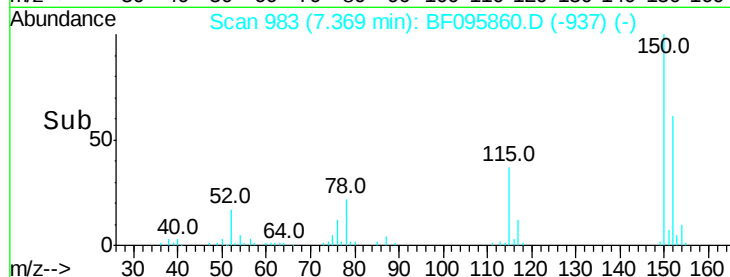
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64012
Ion Ratio Lower Upper
152 100
150 163.2 126.2 189.2
115 60.9 52.2 78.2



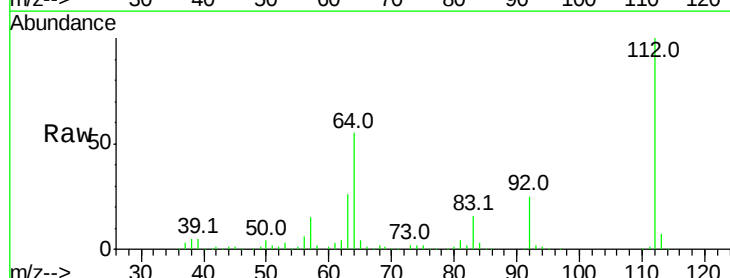
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



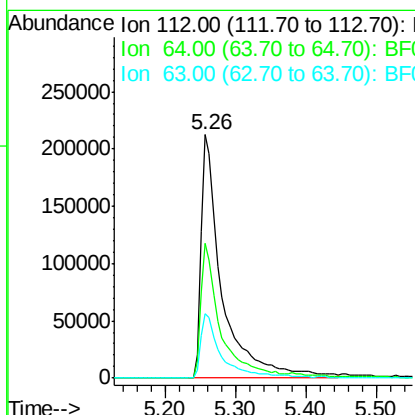
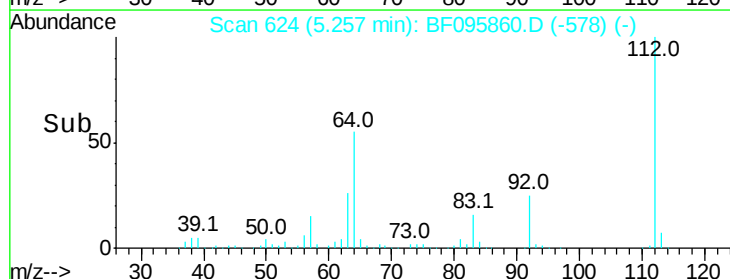
#5

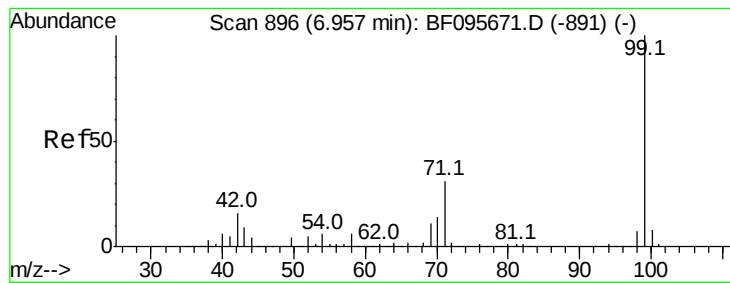
2-Fluorophenol
Concen: 110.22 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:112 Resp: 442773
Ion Ratio Lower Upper
112 100
64 55.4 46.0 69.0
63 26.5 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: 116.75 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampleId :

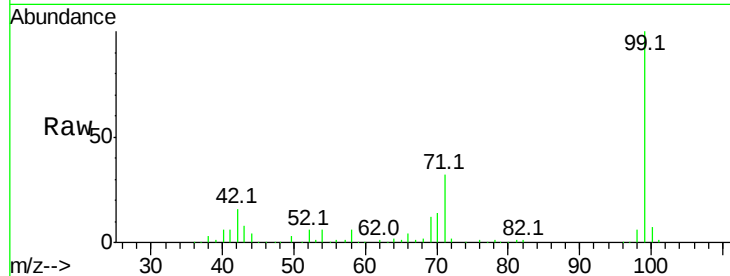
Tot Ion: 99 Resp: 561490

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

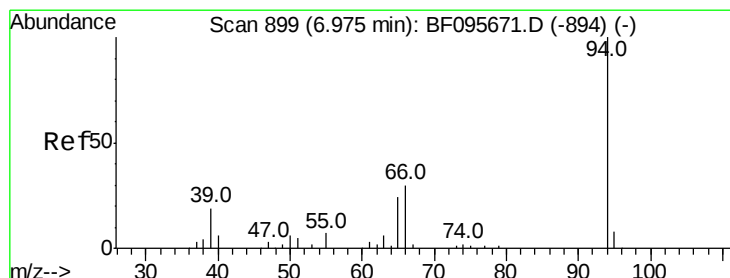
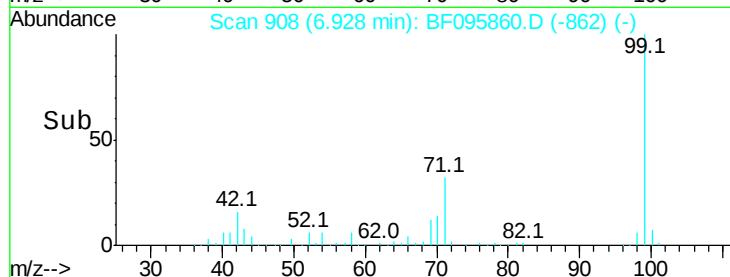
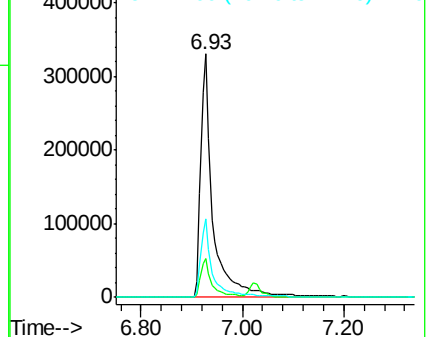
71 32.1 24.5 36.7



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: 2.21 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

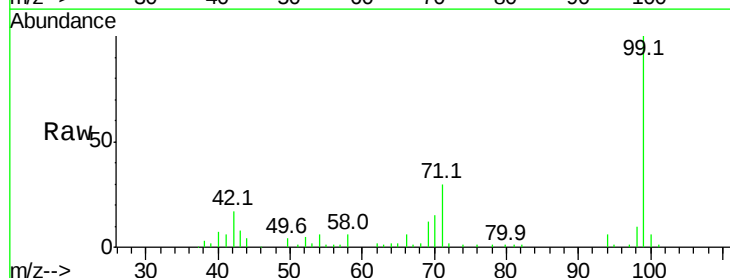
Tgt Ion: 94 Resp: 11023

Ion Ratio Lower Upper

94 100

65 42.1 9.9 49.9

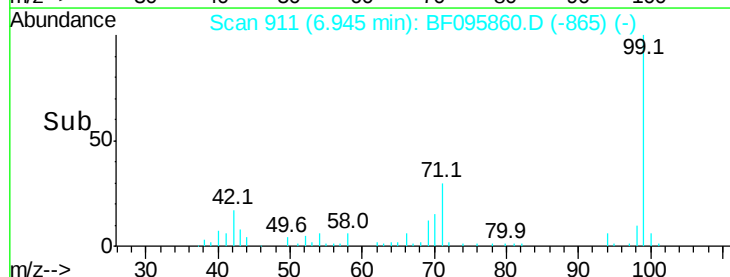
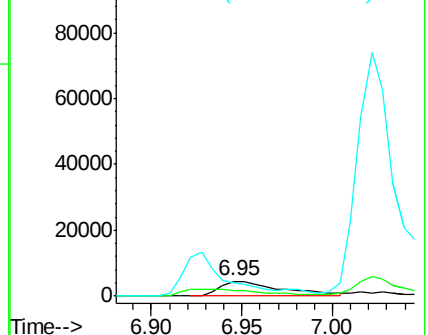
66 95.2 23.1 63.1#

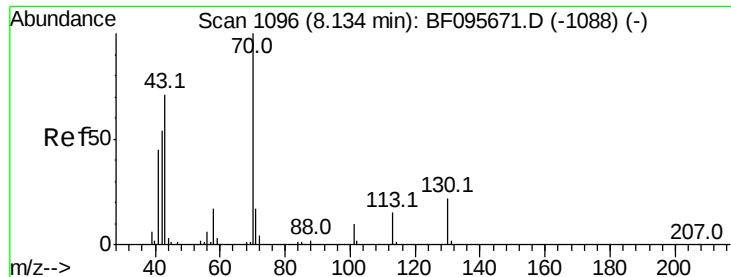


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

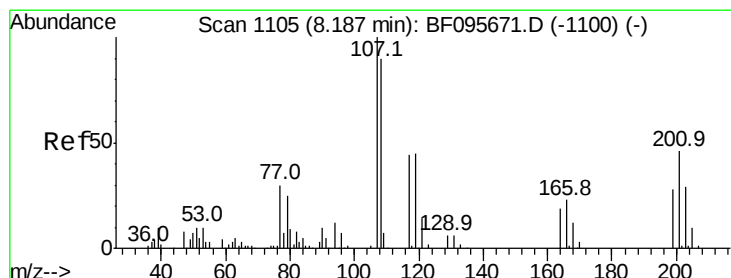
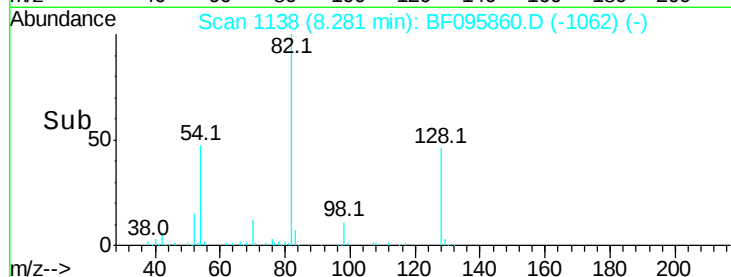
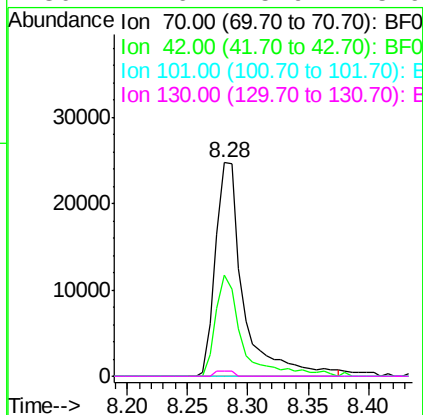
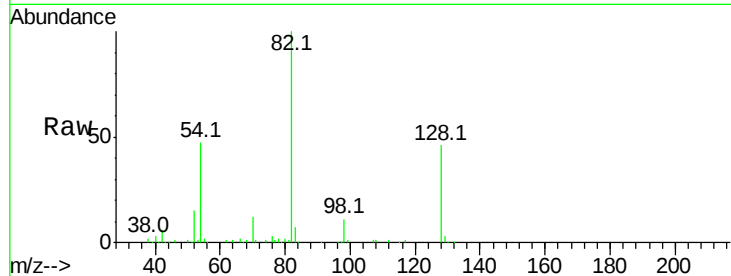




#19
n-Nitroso-di-n-propylamine
Concen: 12.97 ng
RT: 8.28 min Scan# 1138
Delta R.T. 0.15 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

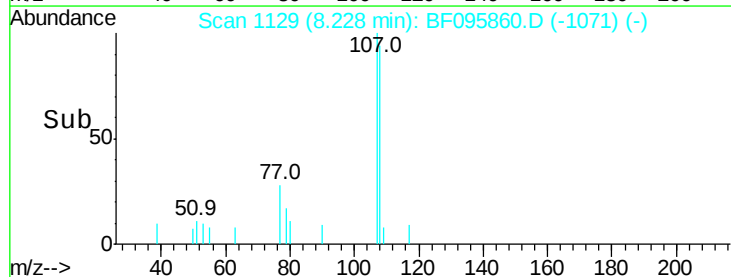
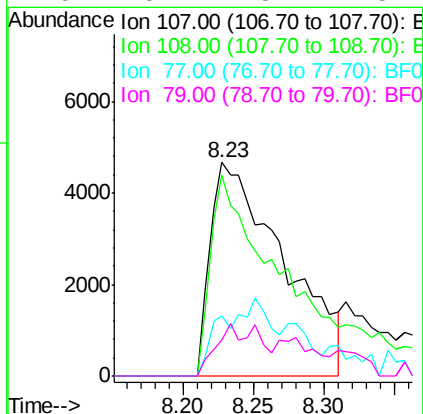
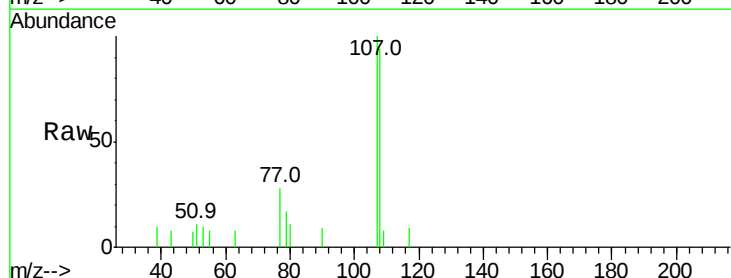
Instrument :
BNA_F
ClientSampleId :

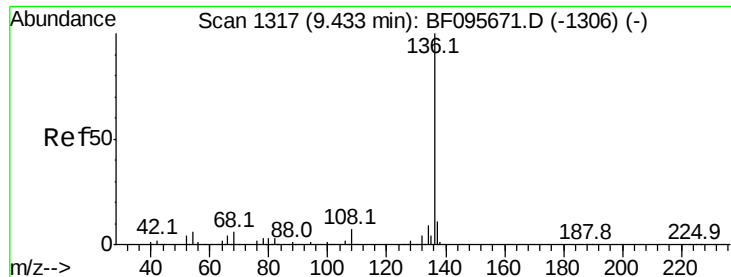
Tot Ion: 70 Resp: 39524
Ion Ratio Lower Upper
70 100
42 47.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#20
3+4-Methylphenols
Concen: 3.72 ng
RT: 8.23 min Scan# 1129
Delta R.T. 0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:107 Resp: 16944
Ion Ratio Lower Upper
107 100
108 93.9 71.0 111.0
77 28.2 90.5 130.5#
79 16.7 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 264478

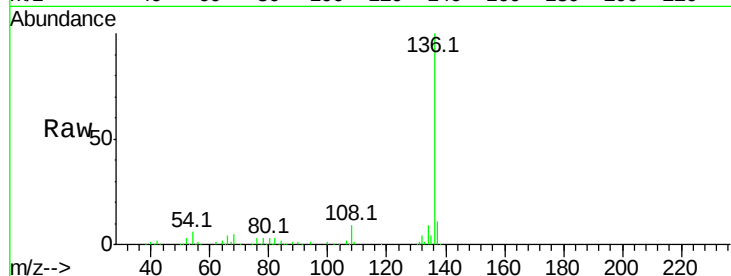
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.5 4.9 7.3

68 5.3 4.1 6.1

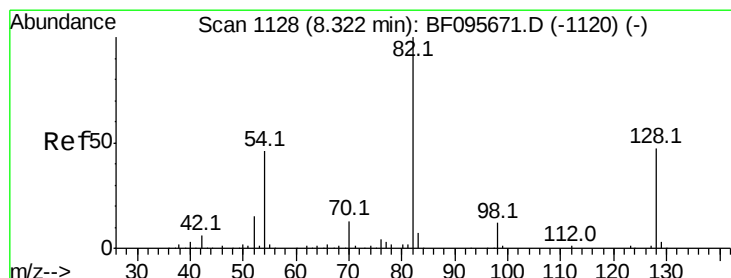
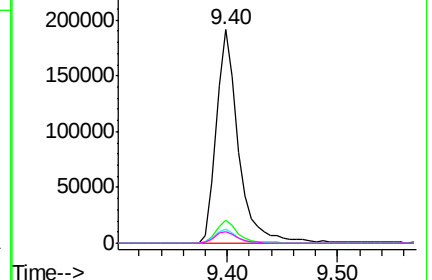
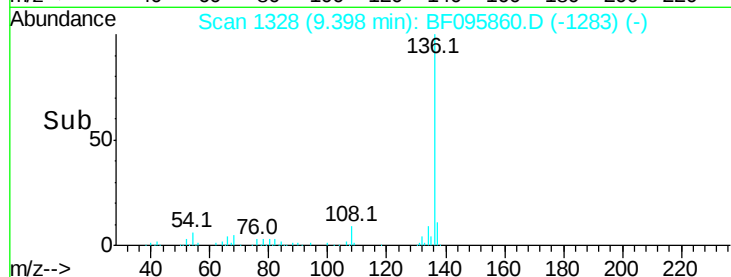


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.95 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

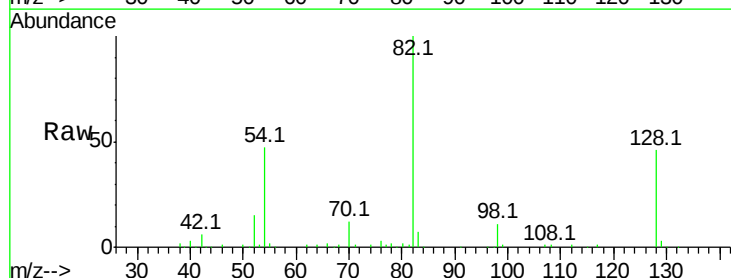
Tgt Ion: 82 Resp: 314942

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

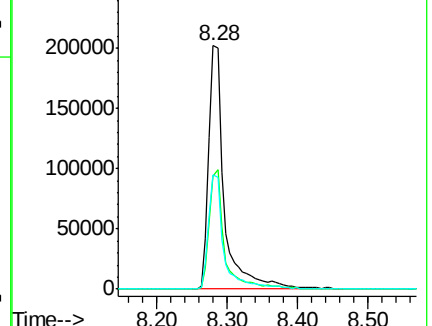
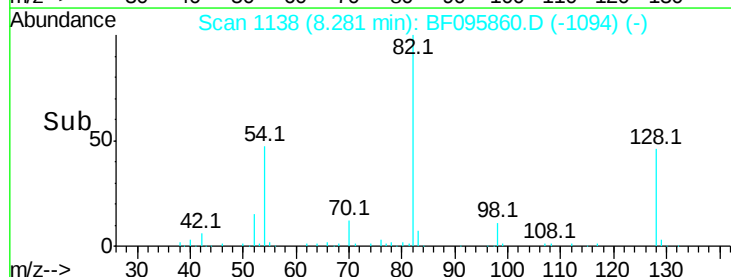
54 47.0 42.2 63.2

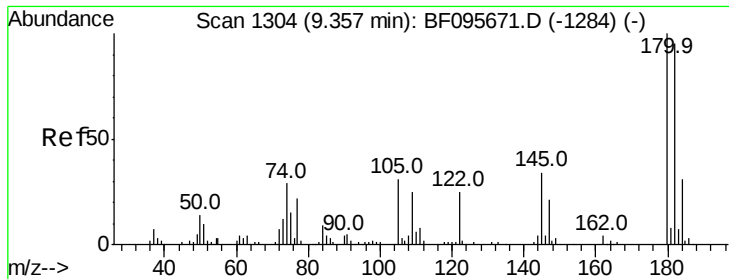


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

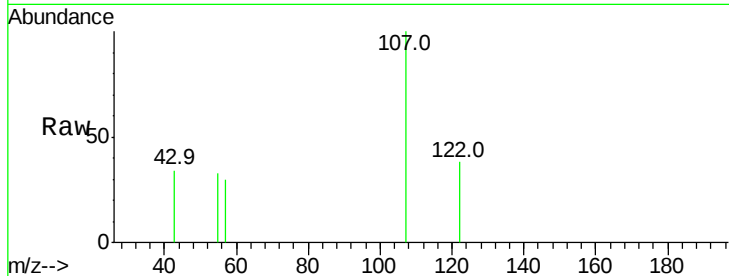




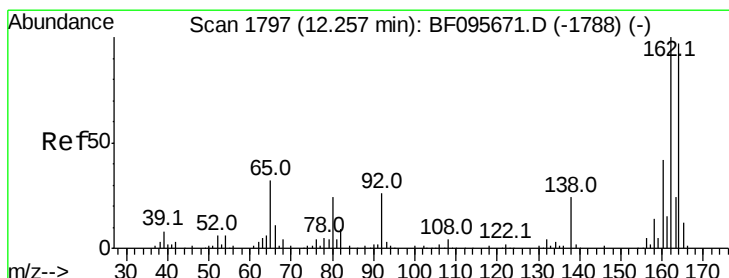
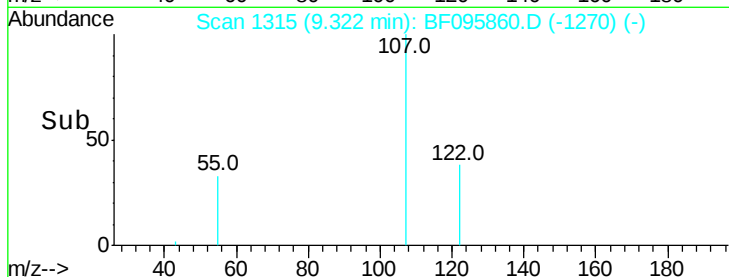
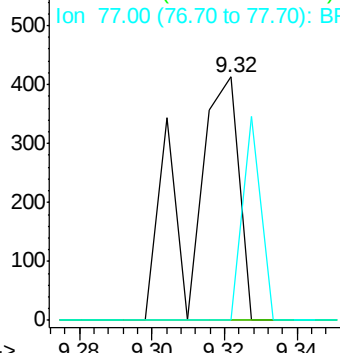
#32
Benzoic acid
Concen: 5.27 ng
RT: 9.32 min Scan# 1315
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 393
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#

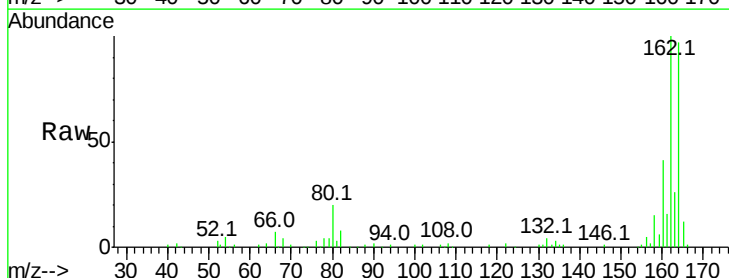


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

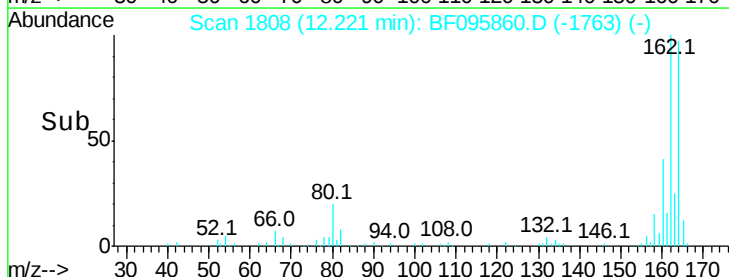
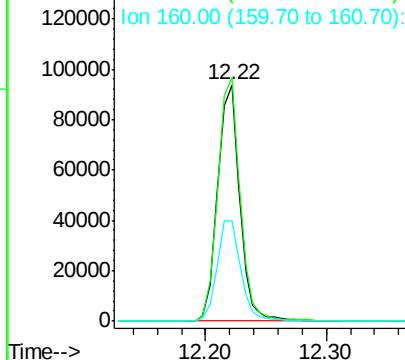


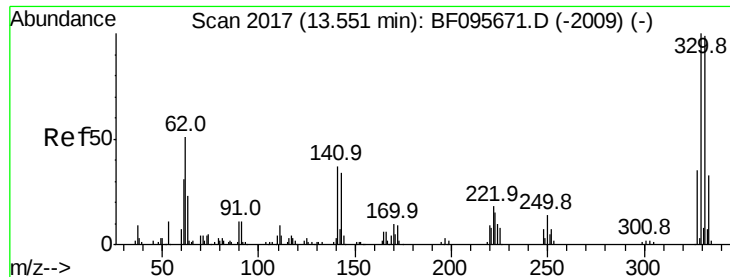
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:164 Resp: 118295
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 42.2 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

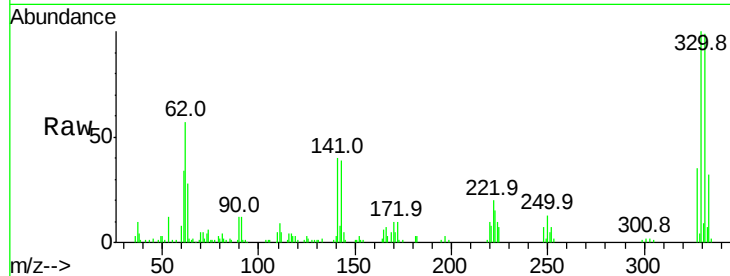




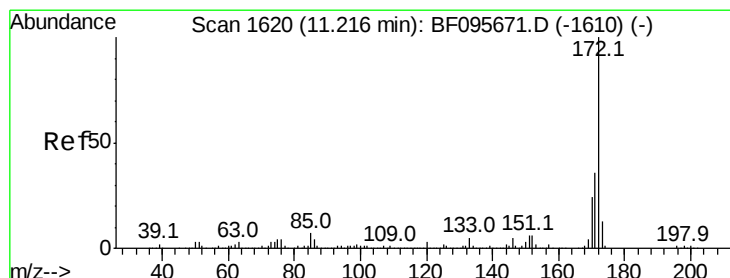
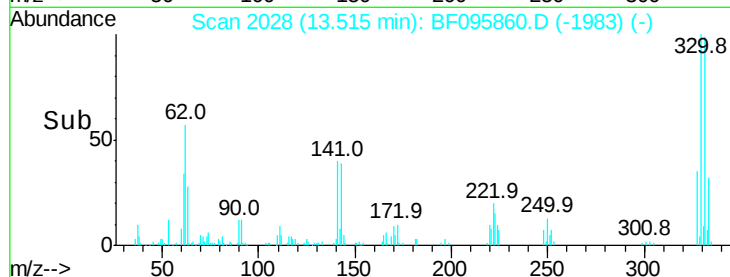
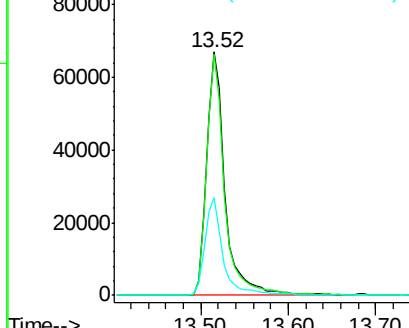
#41
 2,4,6-Tribromophenol
 Concen: 93.77 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095860.D
 Acq: 10 Jun 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 98140
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 39.0 31.4 47.2

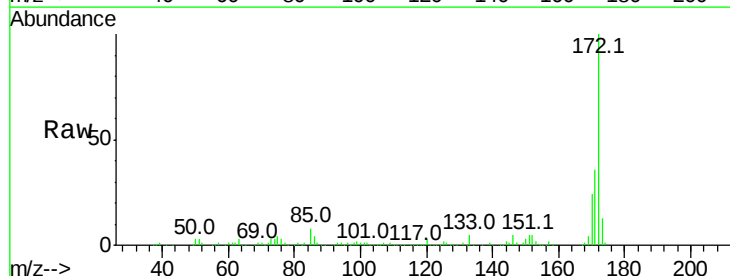


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

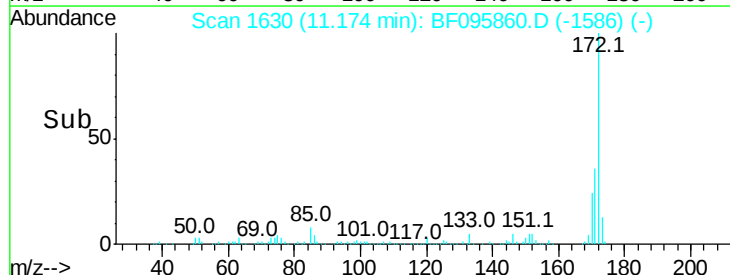
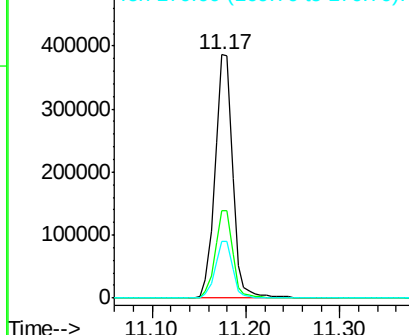


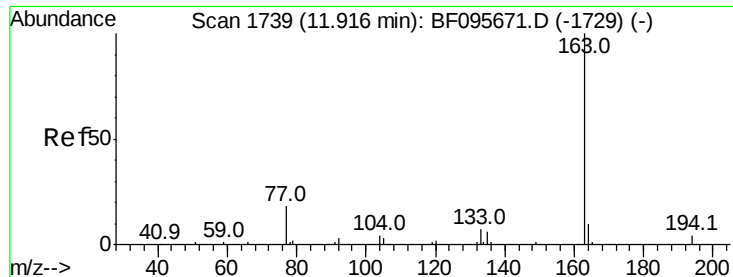
#44
 2-Fluorobiphenyl
 Concen: 60.61 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095860.D
 Acq: 10 Jun 2017 21:48

Tgt Ion:172 Resp: 515232
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.6 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: 16.58 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampled :

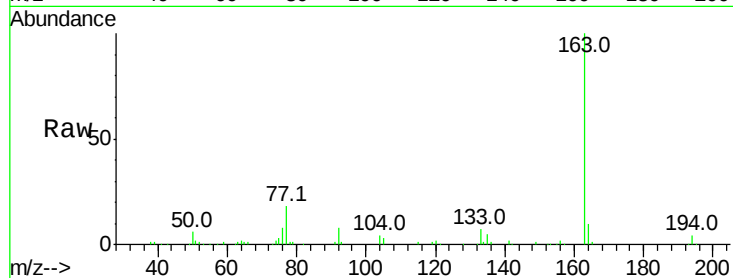
Tot Ion:163 Resp: 148891

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

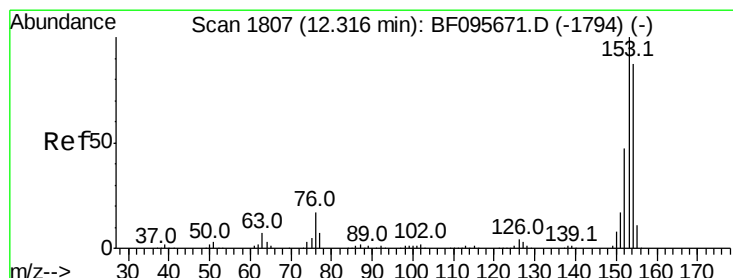
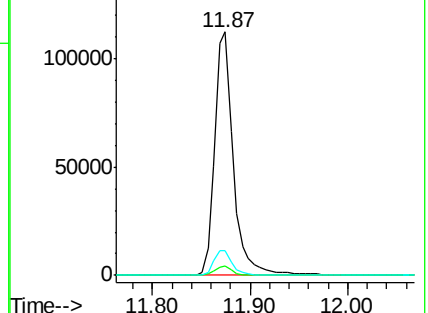
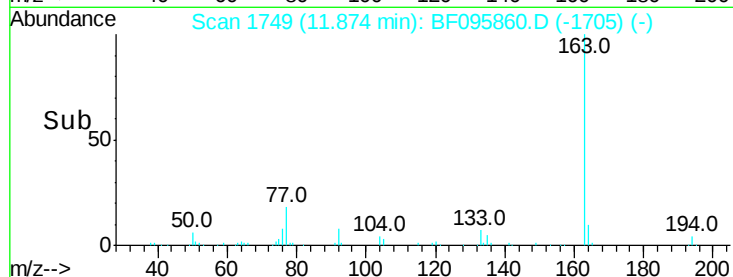
164 10.4 8.4 12.6



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



#51

Acenaphthene

Concen: 2.15 ng

RT: 12.27 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

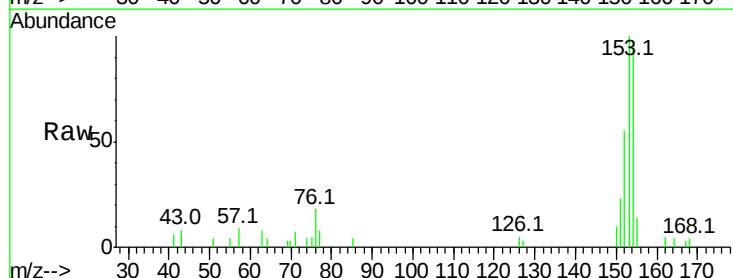
Tgt Ion:154 Resp: 16159

Ion Ratio Lower Upper

154 100

153 103.8 90.5 135.7

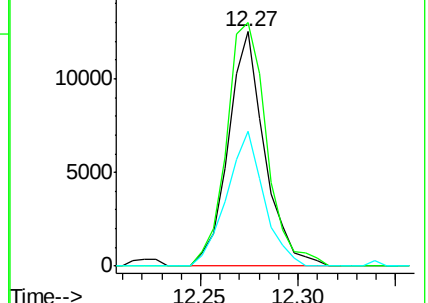
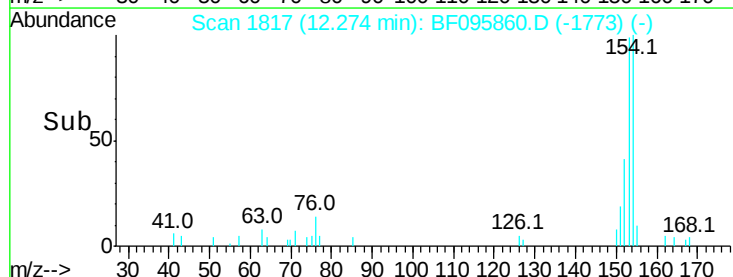
152 57.4 43.6 65.4

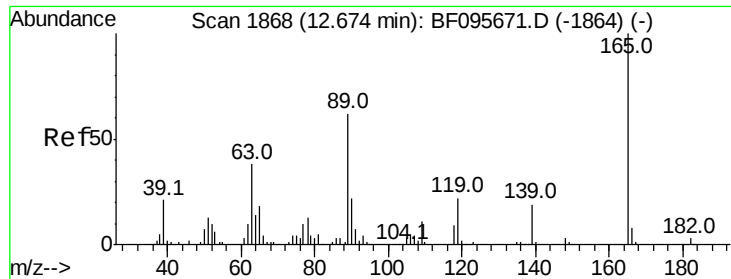


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

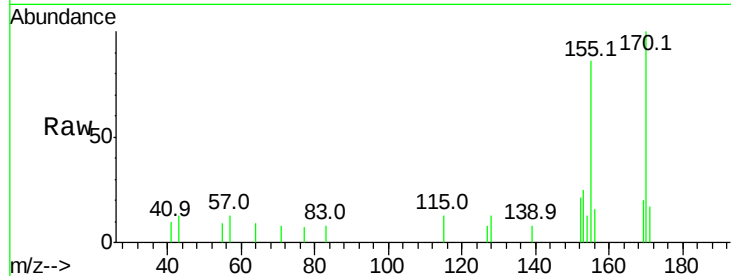




#55
4-Nitrophenol
Concen: 4.72 ng
RT: 12.66 min Scan# 1882
Delta R.T. -0.02 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

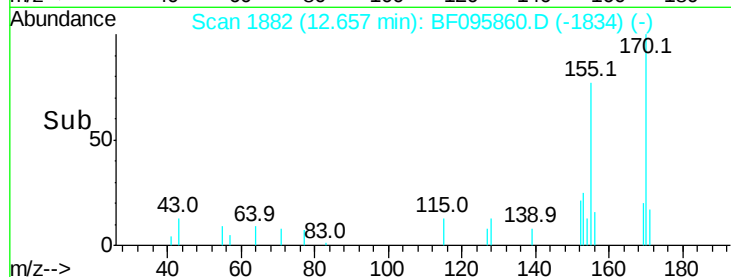
Instrument :
BNA_F
ClientSampleId :

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

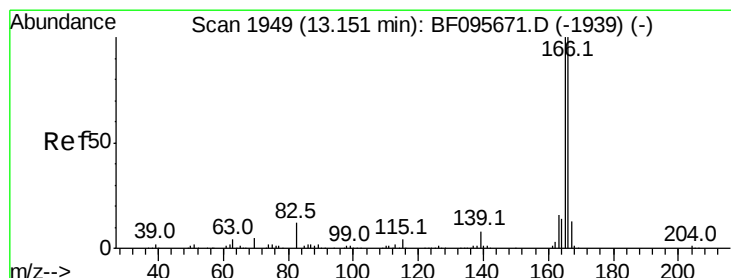


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

12.66

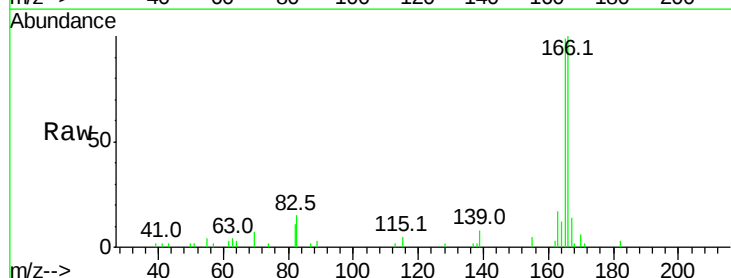


Time-->



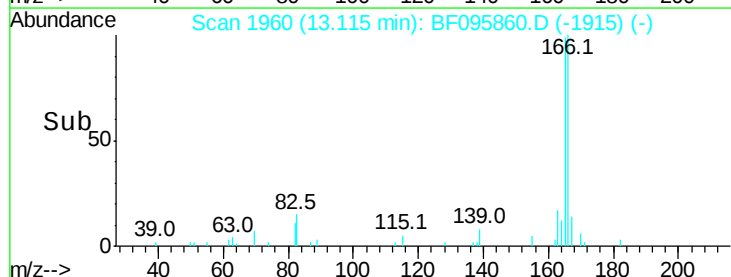
#57
Fluorene
Concen: 2.62 ng
RT: 13.12 min Scan# 1960
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	14.4	10.6	16.0

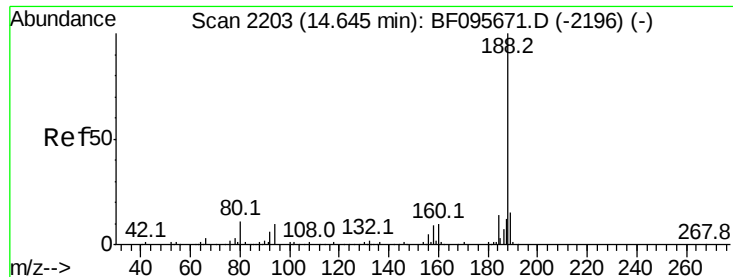


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

13.12



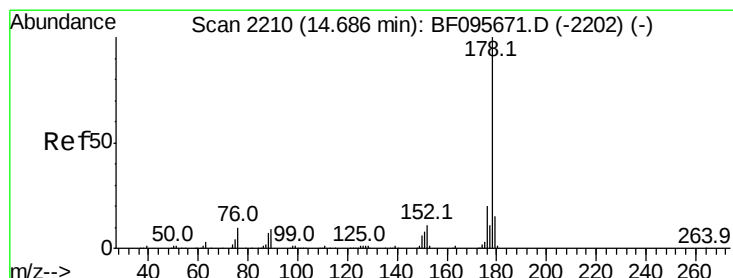
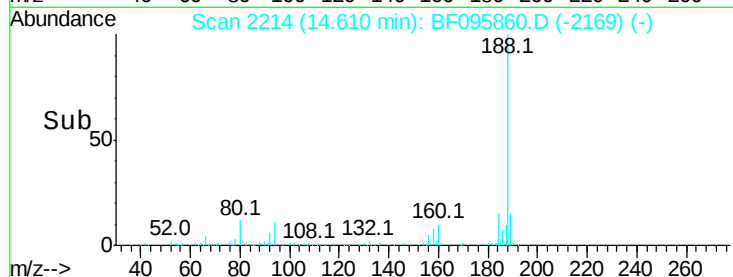
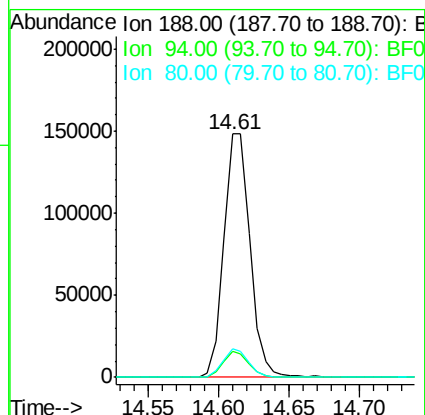
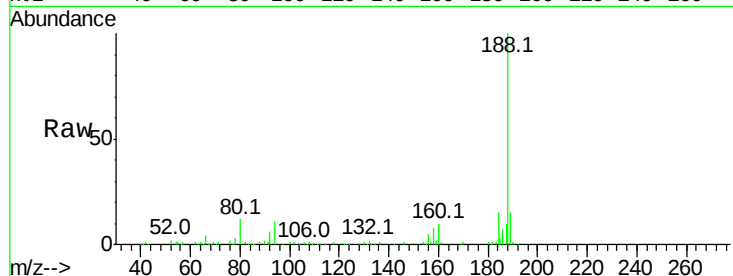
Time-->



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

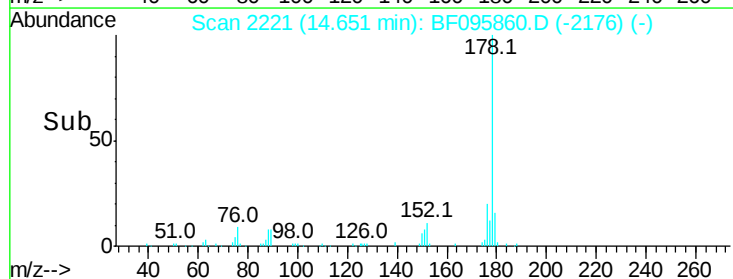
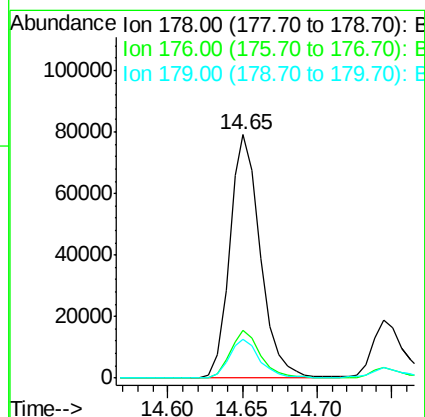
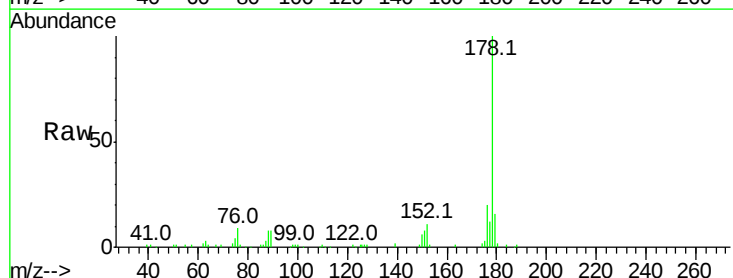
Instrument :
BNA_F
ClientSampleId :

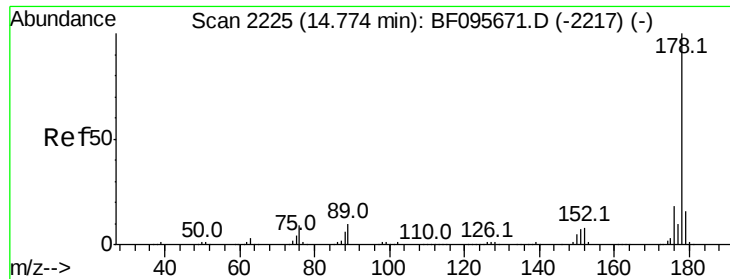
Tot Ion:188 Resp: 191401
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 10.2 15.2



#70
Phenanthrene
Concen: 10.31 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:178 Resp: 113850
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.7 12.6 19.0

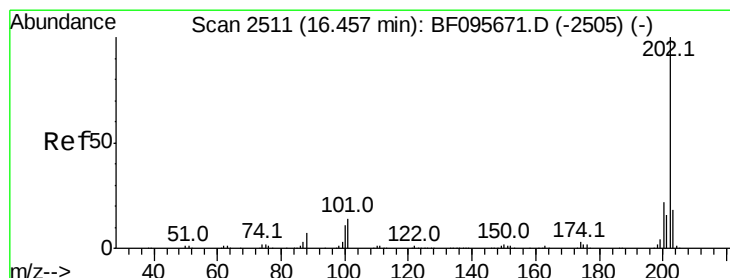
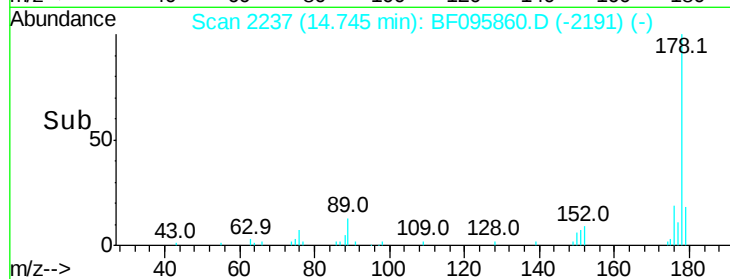
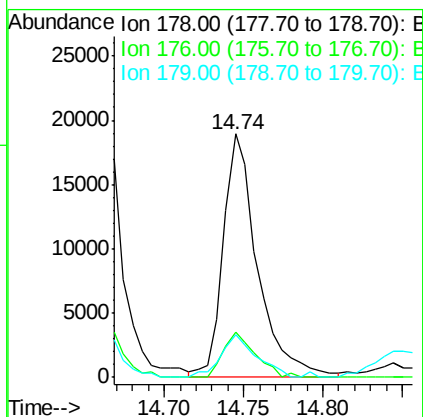
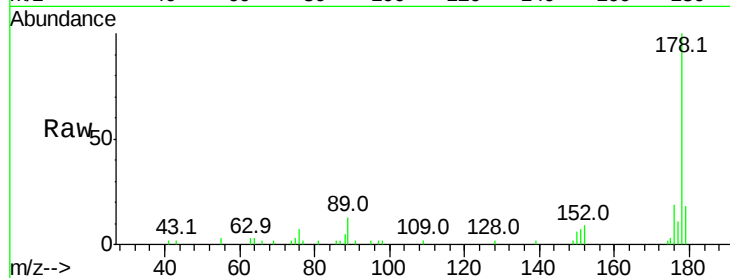




#71
 Anthracene
 Concen: 2.46 ng
 RT: 14.74 min Scan# 2237
 Delta R.T. -0.03 min
 Lab File: BF095860.D
 Acq: 10 Jun 2017 21:48

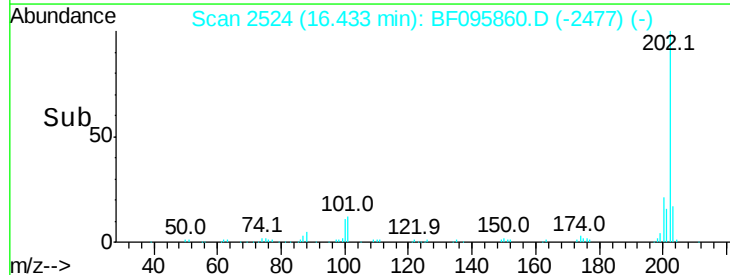
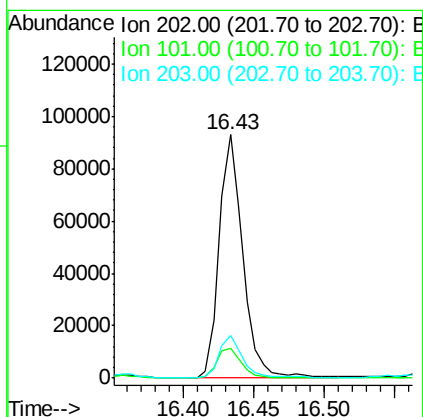
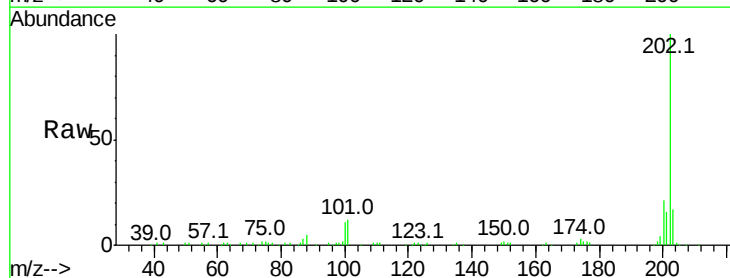
Instrument :
 BNA_F
 ClientSampleId :

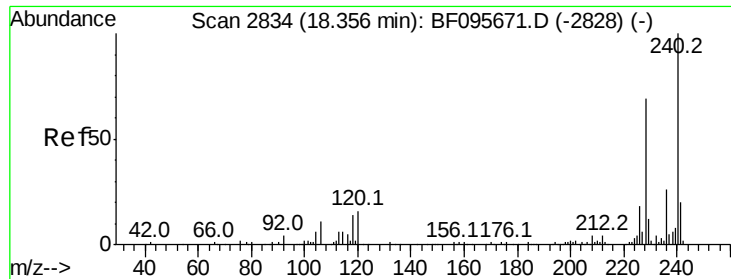
Tot Ion:178 Resp: 28412
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 17.7 12.7 19.1



#74
 Fluoranthene
 Concen: 9.95 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095860.D
 Acq: 10 Jun 2017 21:48

Tgt Ion:202 Resp: 108800
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampleId :

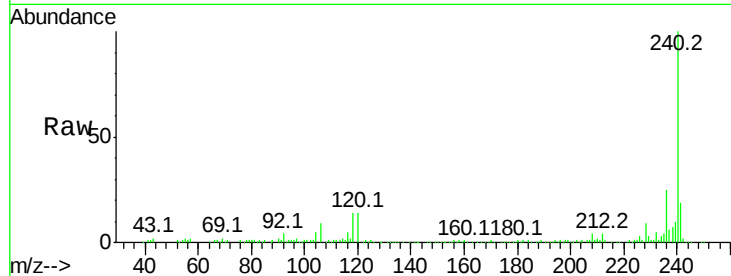
Tot Ion:240 Resp: 137136

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

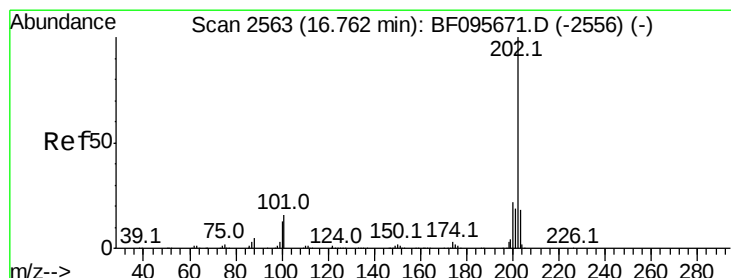
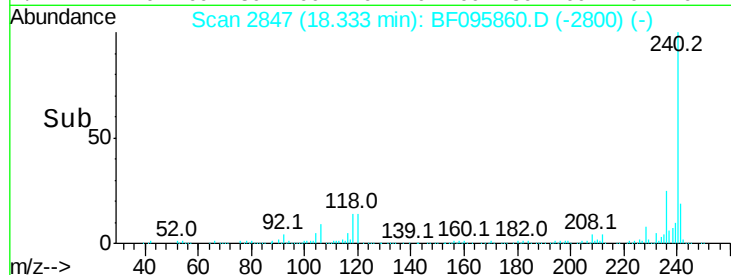
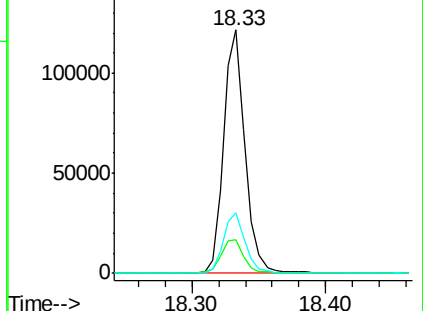
236 25.1 20.5 30.7



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: 11.66 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

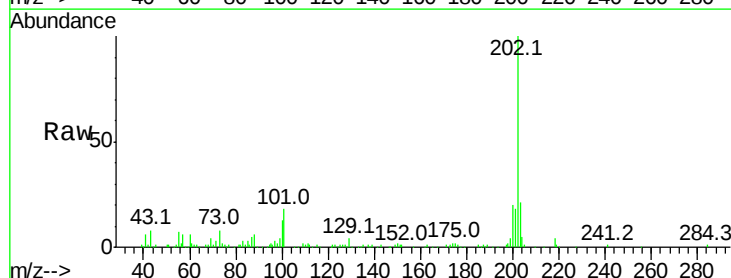
Tgt Ion:202 Resp: 119281

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

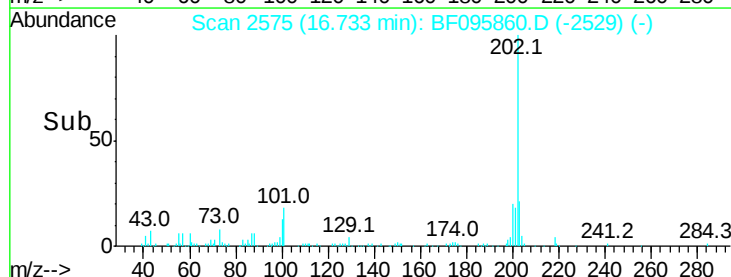
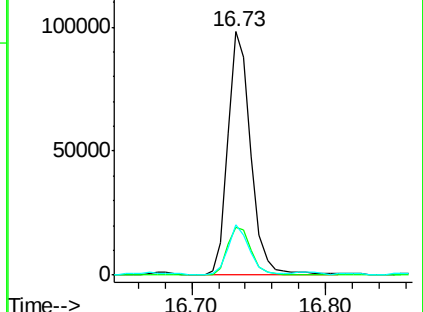
203 20.9 14.4 21.6

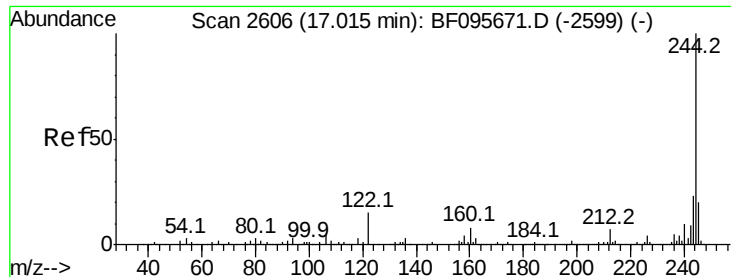


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.31 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampleId :

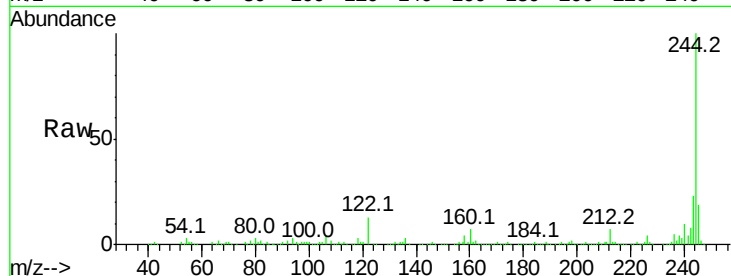
Tot Ion:244 Resp: 311149

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

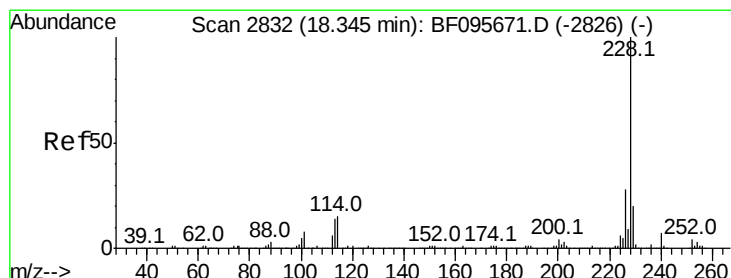
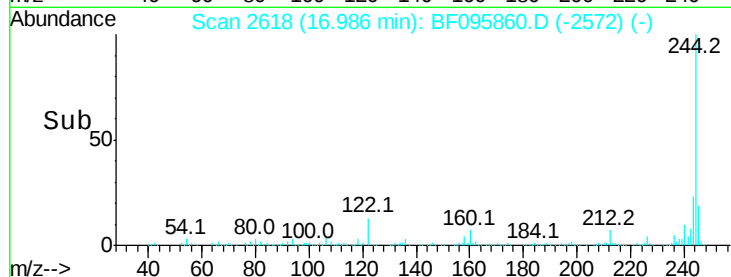
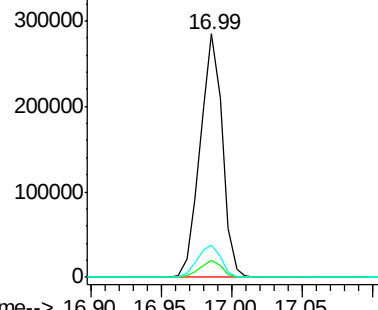
122 13.1 10.3 15.5



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: 4.81 ng

RT: 18.37 min Scan# 2853

Delta R.T. 0.02 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

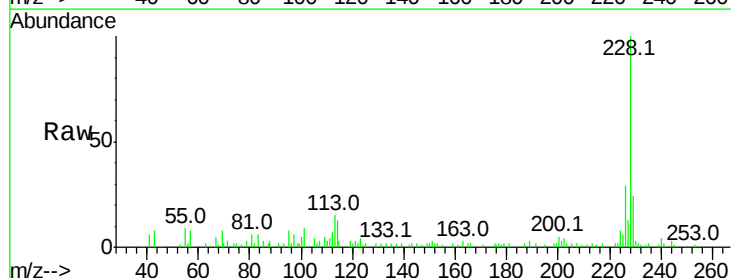
Tgt Ion:228 Resp: 38361

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

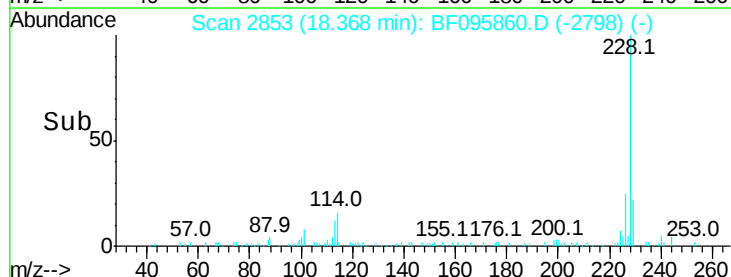
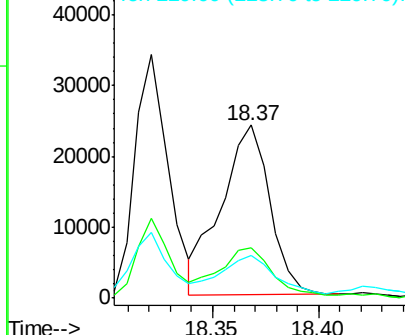
229 24.4 16.3 24.5

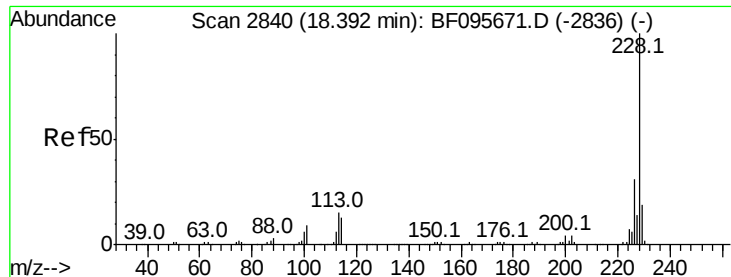


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.81 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampleId :

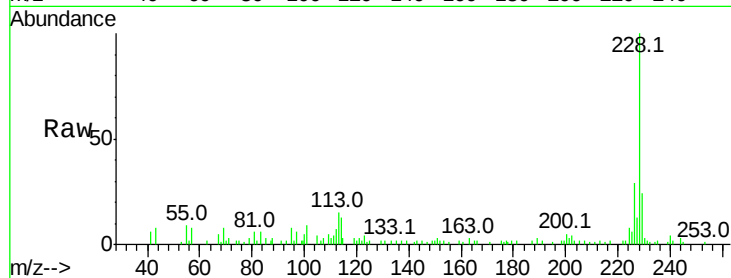
Tot Ion:228 Resp: 38361

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

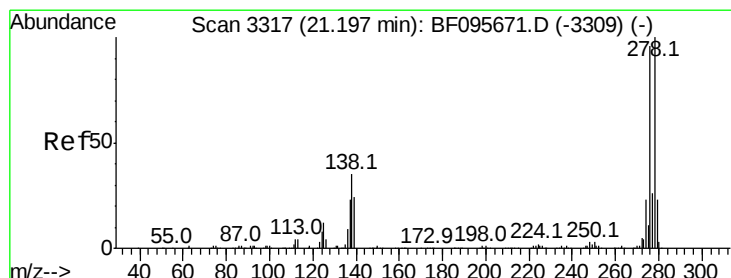
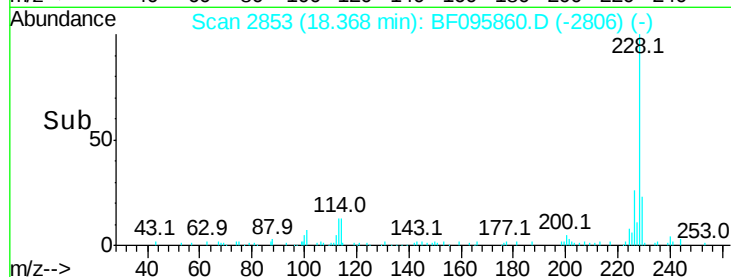
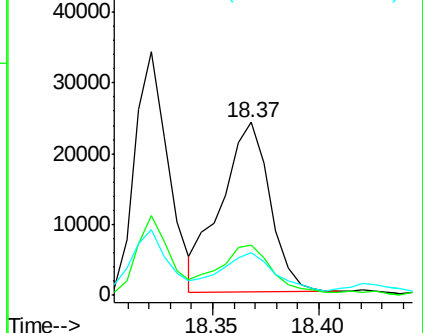
229 24.4 15.8 23.6#



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: 2.42 ng

RT: 21.19 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

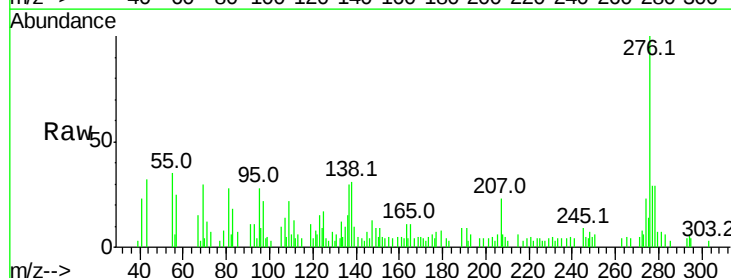
Tgt Ion:276 Resp: 16485

Ion Ratio Lower Upper

276 100

138 29.6 27.8 41.6

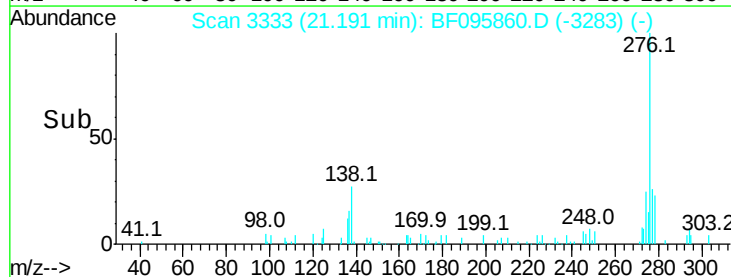
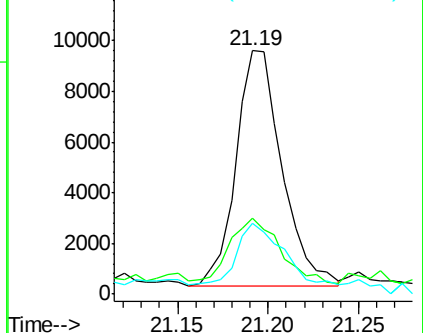
277 24.7 20.2 30.4

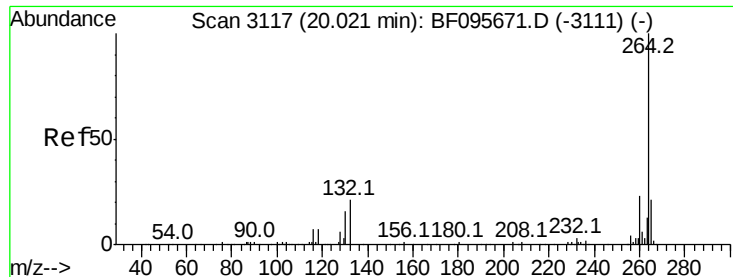


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

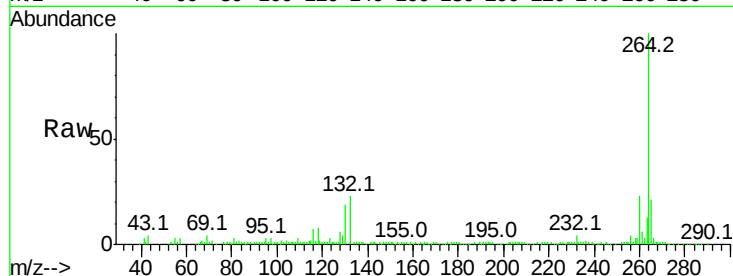




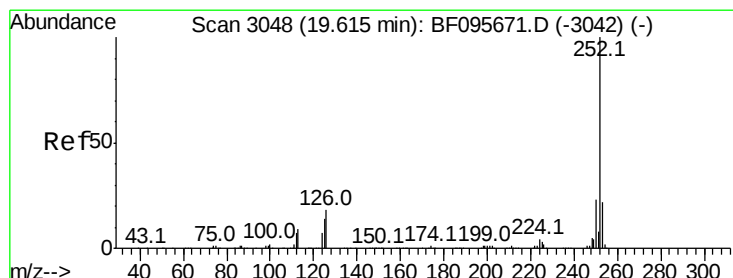
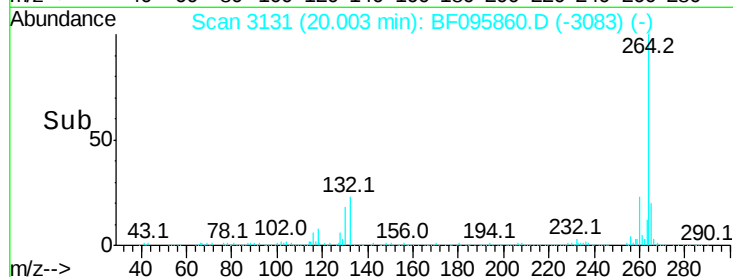
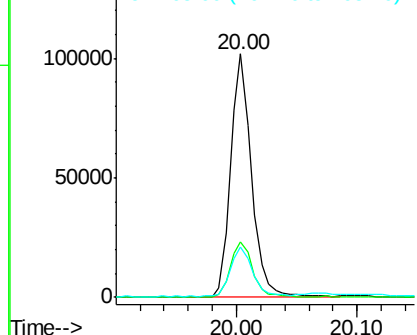
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 122614
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 20.8 17.2 25.8

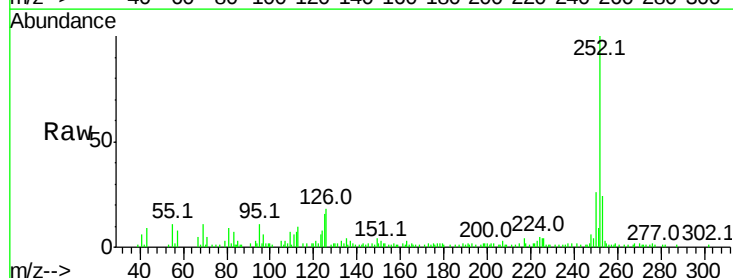


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

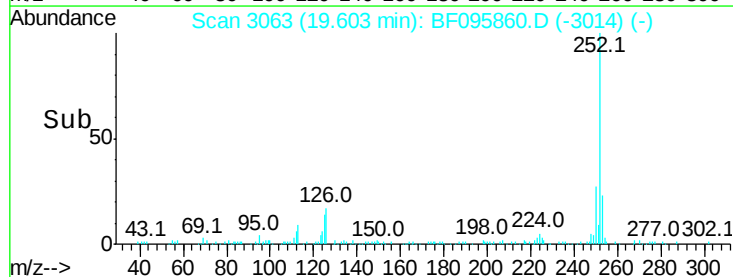
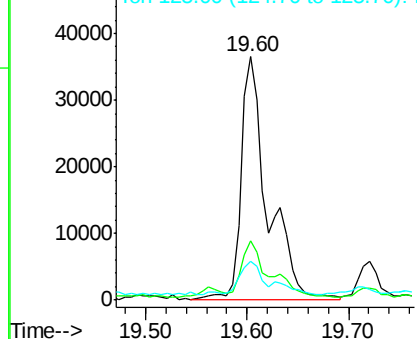


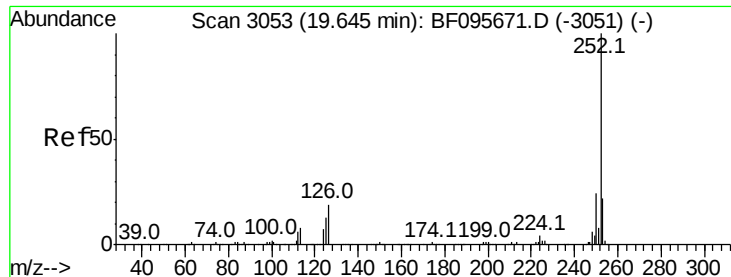
#87
Benzo(b)fluoranthene
Concen: 8.71 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:252 Resp: 66848
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 16.0 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

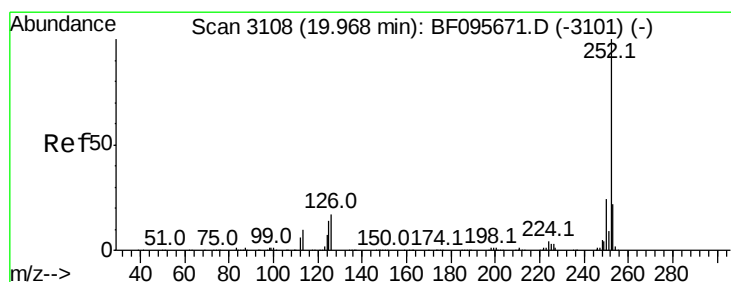
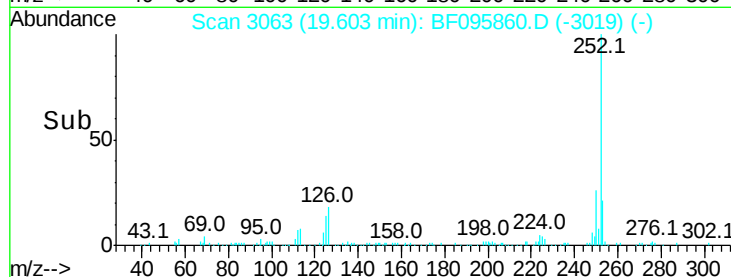
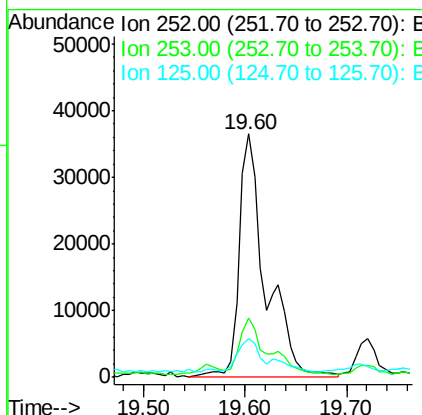
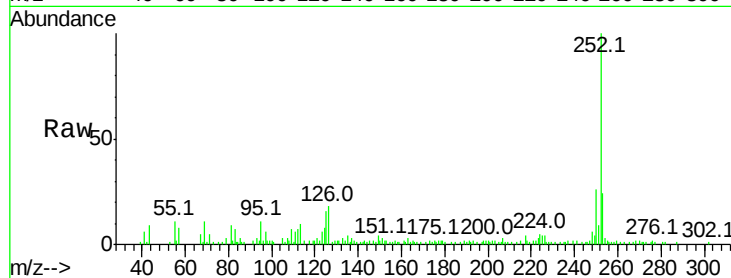




#88
Benzo(k)fluoranthene
Concen: 9.11 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

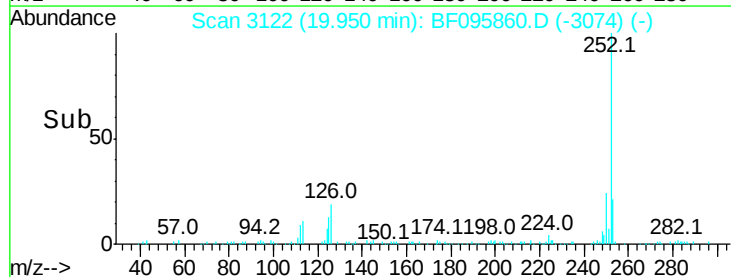
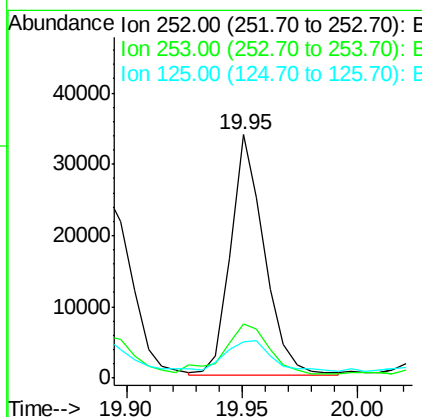
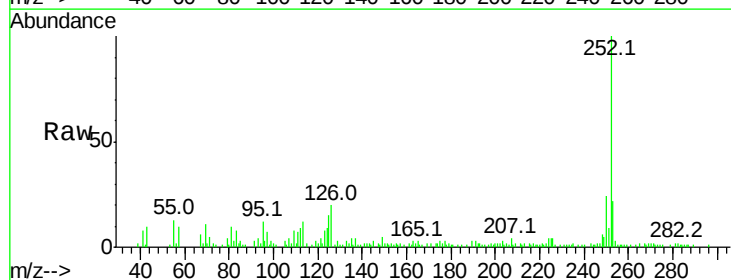
Instrument :
BNA_F
ClientSampleId :

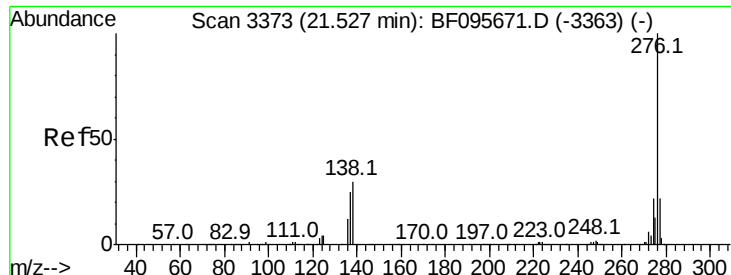
Tot Ion:252 Resp: 66848
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 16.0 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.84 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095860.D
Acq: 10 Jun 2017 21:48

Tgt Ion:252 Resp: 34129
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 15.1 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.35 ng

RT: 21.53 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BF095860.D

Acq: 10 Jun 2017 21:48

Instrument :

BNA_F

ClientSampleId :

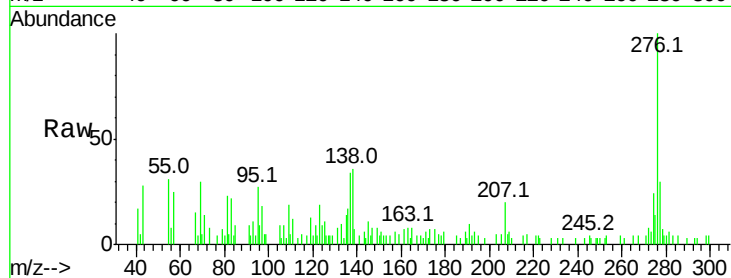
Tot Ion:276 Resp: 20461

Ion Ratio Lower Upper

276 100

277 30.0 18.6 28.0#

138 36.1 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

