

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096100.D
 Acq On : 21 Jun 2017 23:36
 Operator : SJ/MA
 Sample : I3736-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 01:07:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

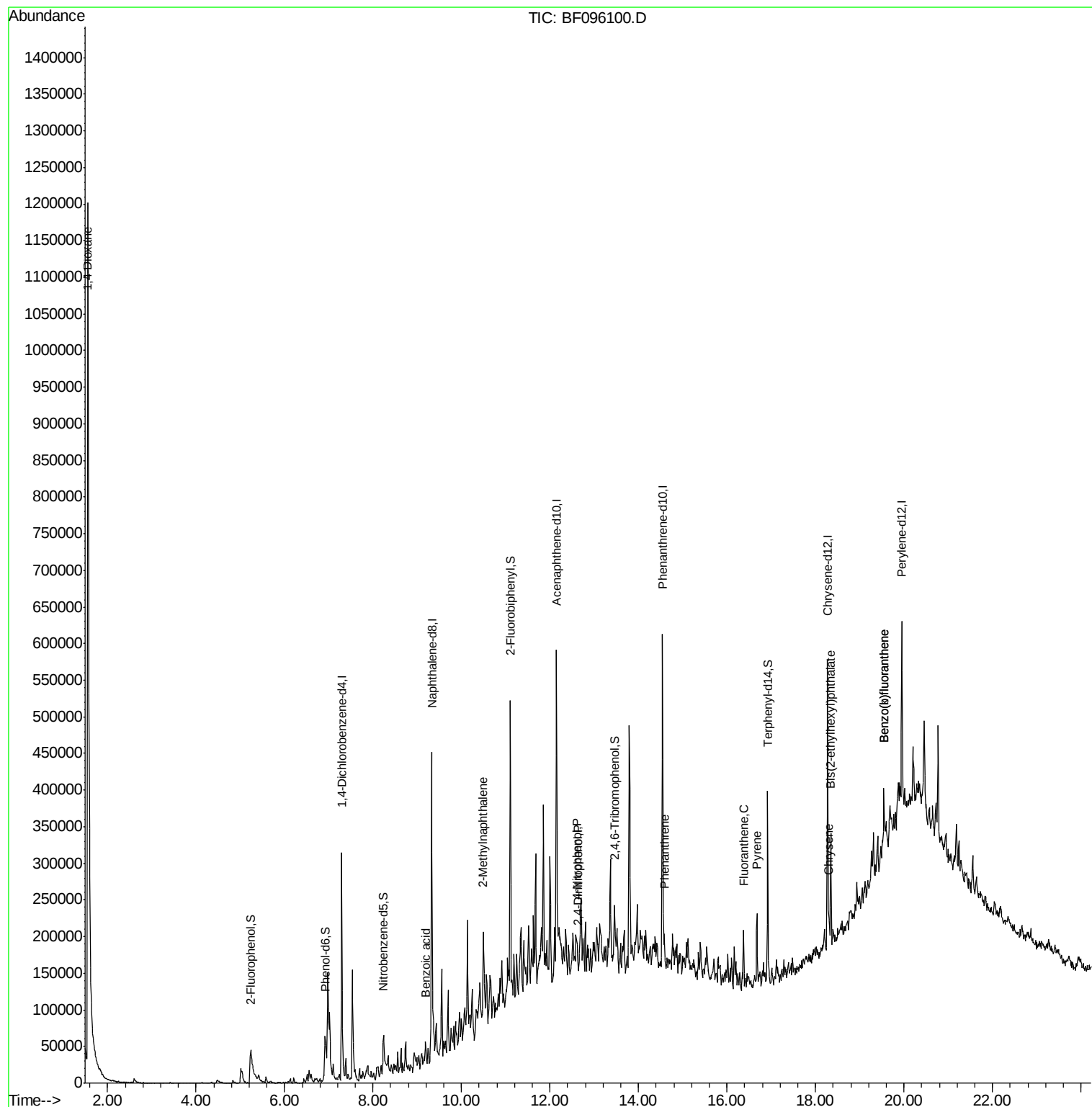
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	77502	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	305988	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	119940	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	195877	20.00	ng	0.00
75) Chrysene-d12	18.27	240	159389	20.00	ng	0.00
86) Perylene-d12	19.95	264	110750	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	78987	16.24	ng	0.05
7) Phenol-d6	6.92	99	92604	15.90	ng	0.04
23) Nitrobenzene-d5	8.23	82	60706	12.32	ng	0.01
41) 2,4,6-Tribromophenol	13.46	330	16446	15.50	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	122829	14.25	ng	0.00
78) Terphenyl-d14	16.92	244	91844	14.30	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.56	88	66229	28.62	ng	# 23
32) Benzoic acid	9.19	122	158	5.17	ng	# 58
37) 2-Methylnaphthalene	10.49	142	46287	4.46	ng	96
53) 2,4-Dinitrophenol	12.65	184	146	6.59	ng	# 4
55) 4-Nitrophenol	12.62	139	177	4.75	ng	# 1
70) Phenanthrene	14.58	178	24145	2.14	ng	# 91
74) Fluoranthene	16.37	202	43835	3.92	ng	98
77) Pyrene	16.67	202	47091	3.96	ng	96
82) Chrysene	18.31	228	21198	2.29	ng	# 93
83) Bis(2-ethylhexyl)phthalate	18.34	149	48540	6.63	ng	# 96
87) Benzo(b)fluoranthene	19.55	252	28627	4.13	ng	# 83
88) Benzo(k)fluoranthene	19.55	252	28627	4.32	ng	# 85

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

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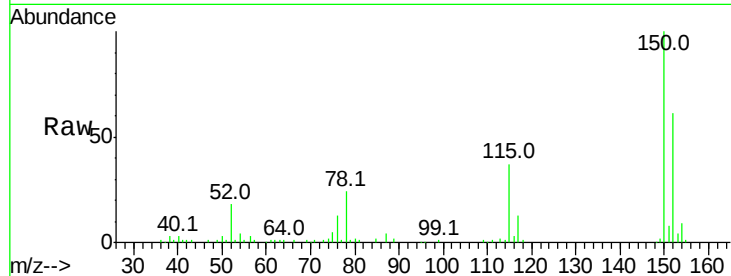


#1

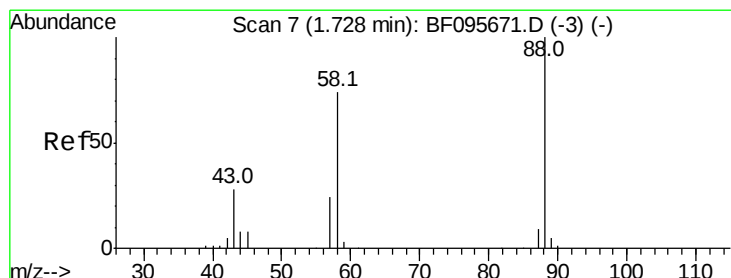
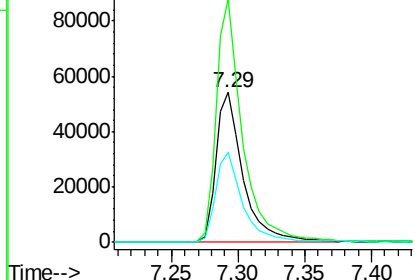
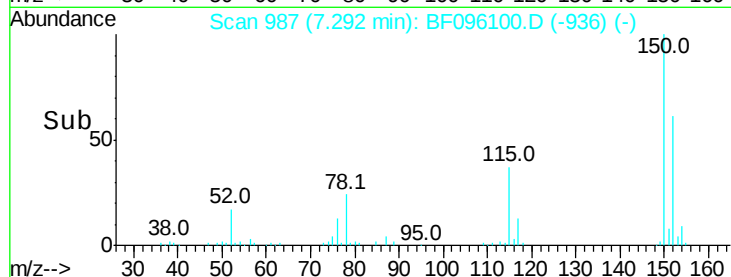
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 77502
Ion Ratio Lower Upper
152 100
150 162.7 126.2 189.2
115 60.2 52.2 78.2



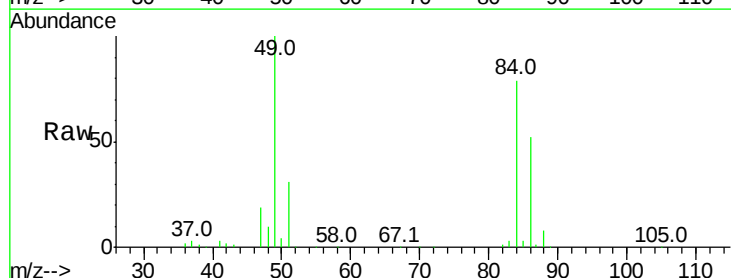
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



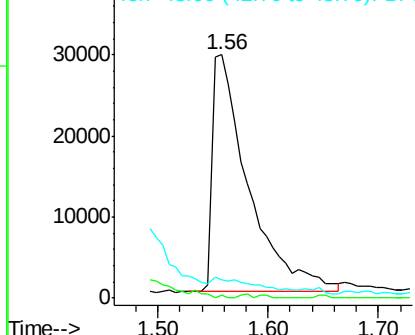
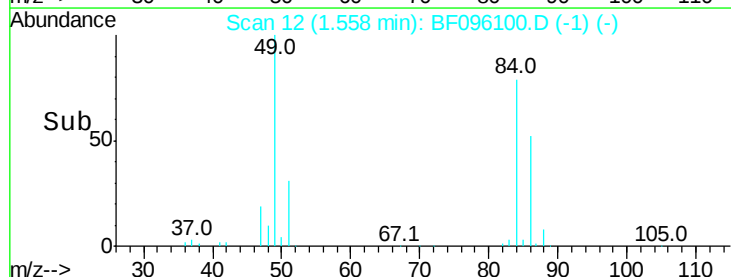
#2

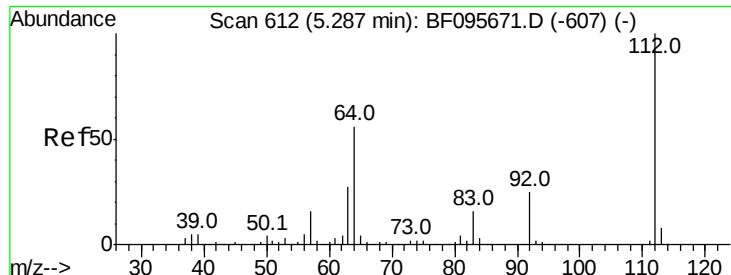
1,4-Dioxane
Concen: 28.62 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Tgt Ion: 88 Resp: 66229
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 4.7 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 16.24 ng

RT: 5.23 min Scan# 637

Delta R.T. 0.05 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

Instrument :

BNA_F

ClientSampleId :

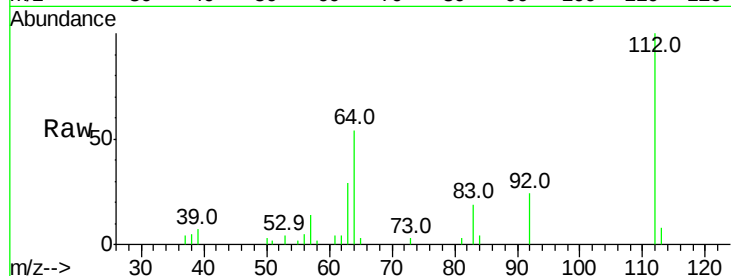
Tot Ion:112 Resp: 78987

Ion Ratio Lower Upper

112 100

64 54.1 46.0 69.0

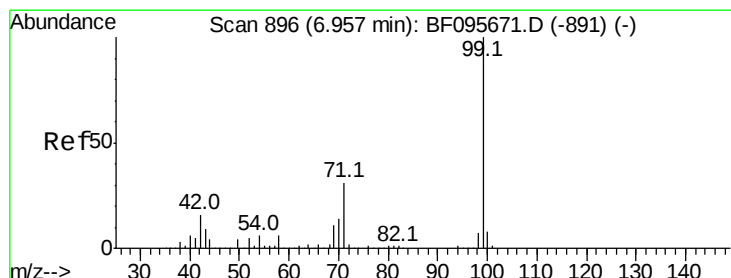
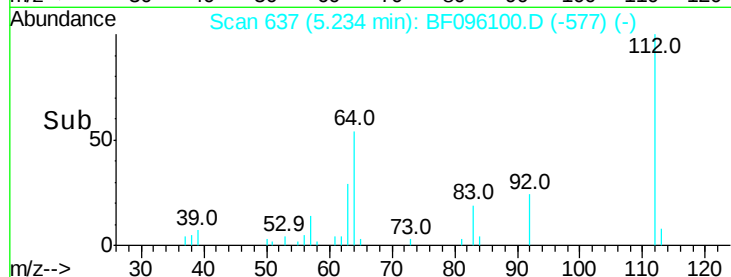
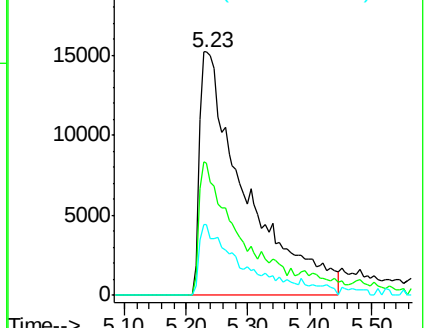
63 29.2 23.4 35.0



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: 15.90 ng

RT: 6.92 min Scan# 923

Delta R.T. 0.04 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

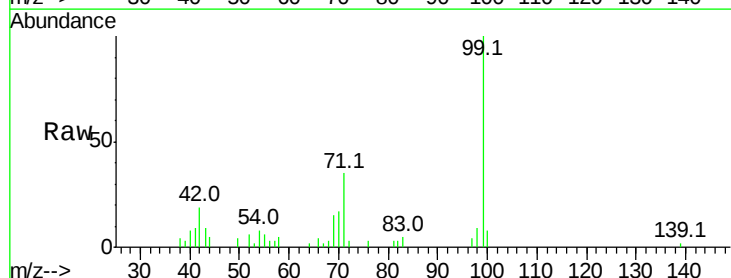
Tgt Ion: 99 Resp: 92604

Ion Ratio Lower Upper

99 100

42 19.0 13.5 20.3

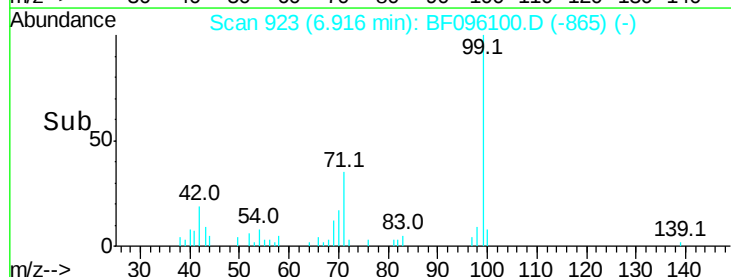
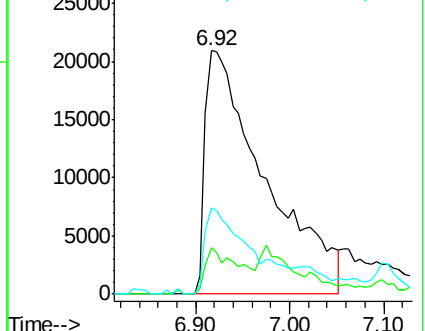
71 35.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 305988

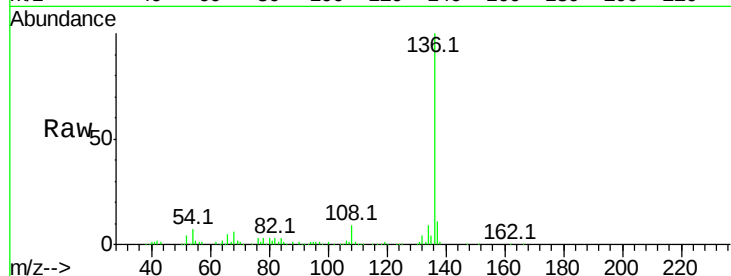
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.6 4.1 6.1

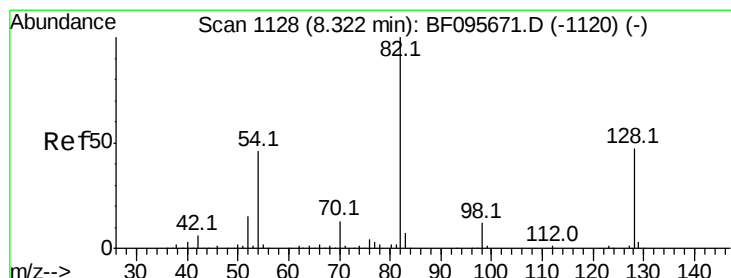
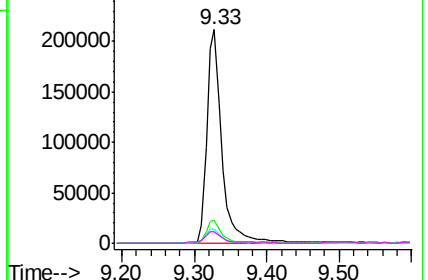
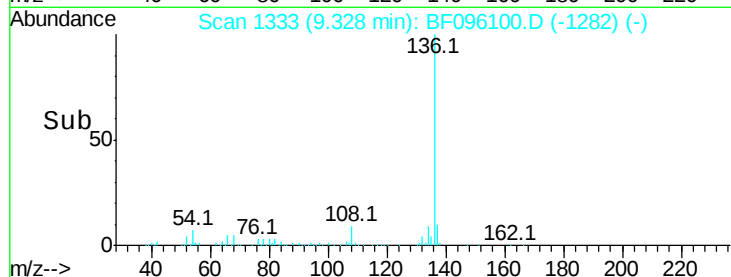


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.32 ng

RT: 8.23 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

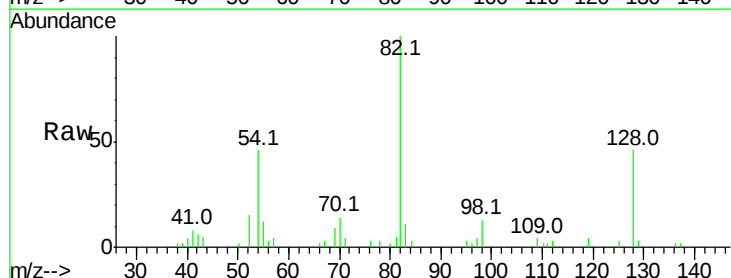
Tgt Ion: 82 Resp: 60706

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

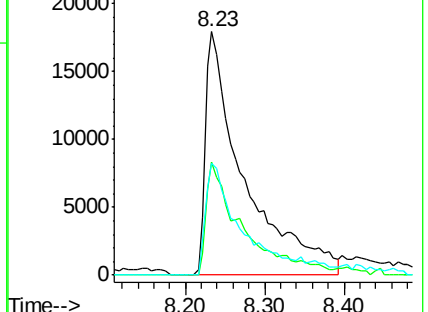
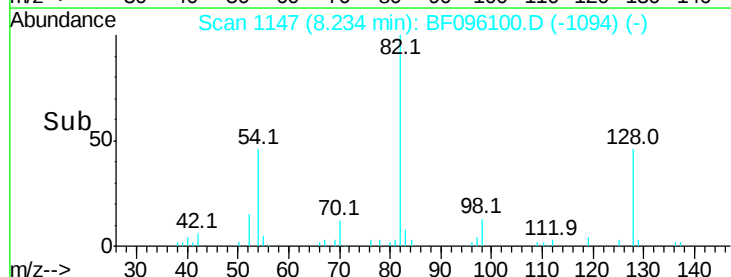
54 45.7 42.2 63.2

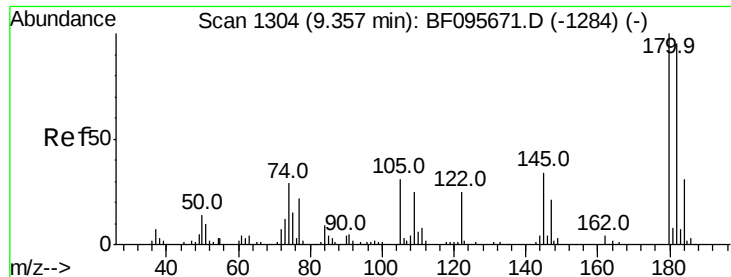


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

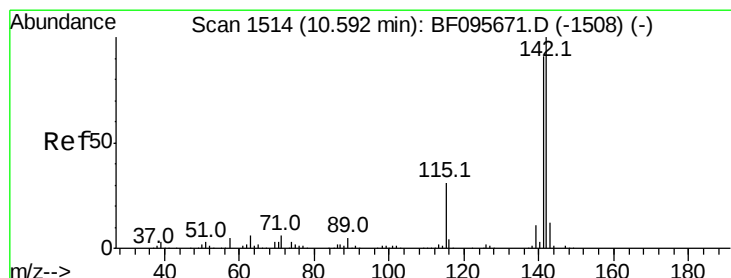
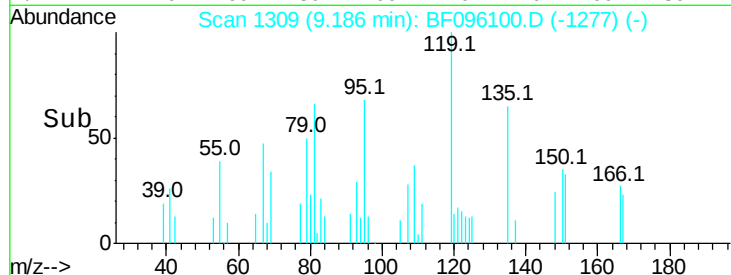
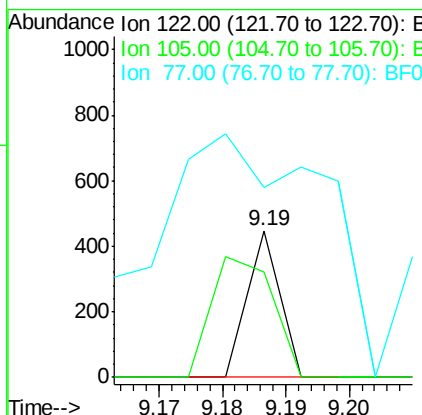
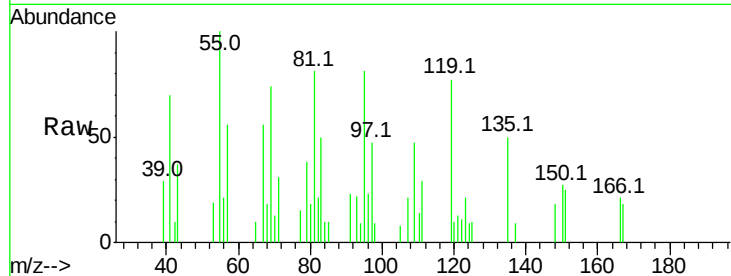




#32
Benzoic acid
Concen: 5.17 ng
RT: 9.19 min Scan# 1309
Delta R.T. -0.11 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

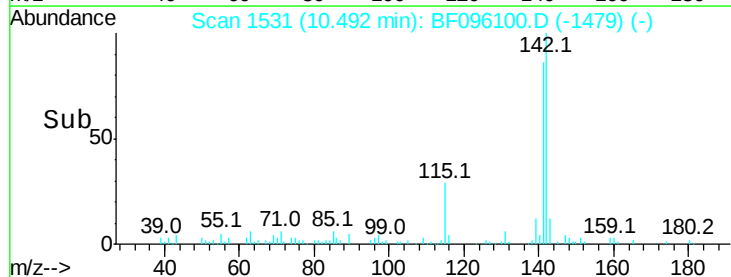
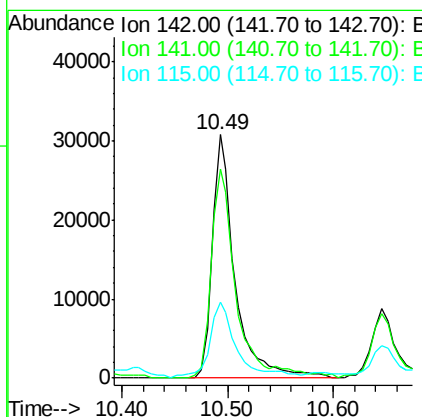
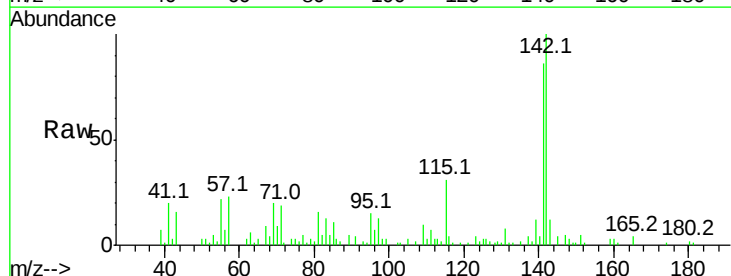
Instrument :
BNA_F
ClientSampled :

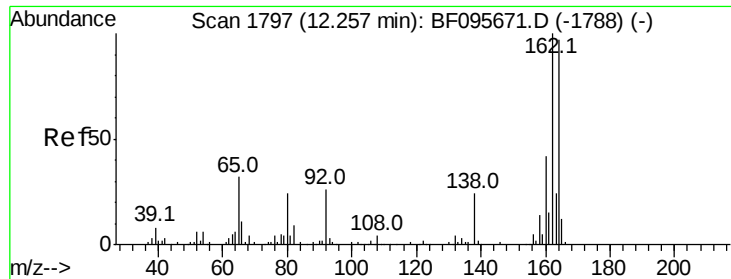
Tot Ion:122 Resp: 158
Ion Ratio Lower Upper
122 100
105 72.3 103.3 143.3#
77 129.3 73.7 113.7#



#37
2-Methylnaphthalene
Concen: 4.46 ng
RT: 10.49 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Tgt Ion:142 Resp: 46287
Ion Ratio Lower Upper
142 100
141 85.7 71.3 106.9
115 31.1 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.15 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

Instrument :

BNA_F

ClientSampleId :

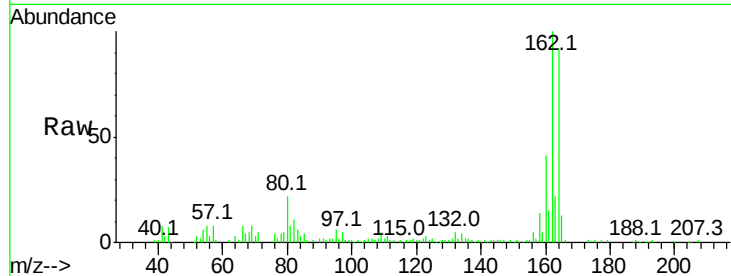
Tot Ion:164 Resp: 119940

Ion Ratio Lower Upper

164 100

162 108.9 82.6 123.8

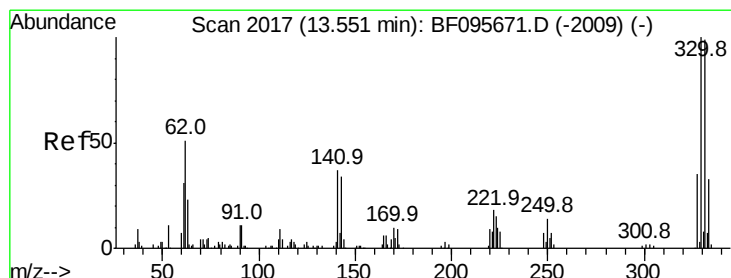
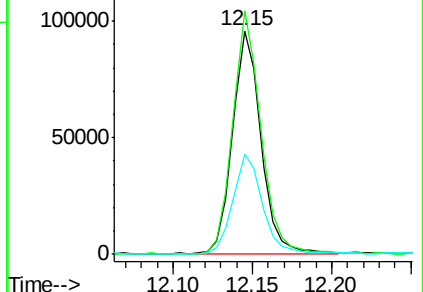
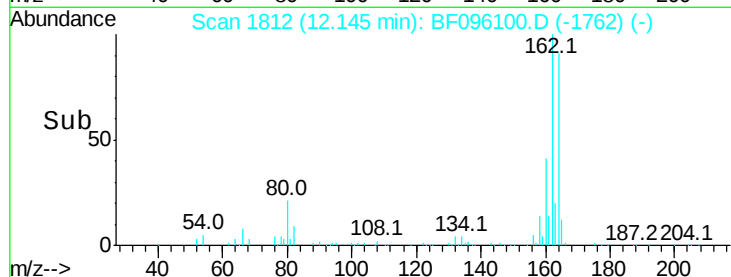
160 44.8 36.2 54.2



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: 15.50 ng

RT: 13.46 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

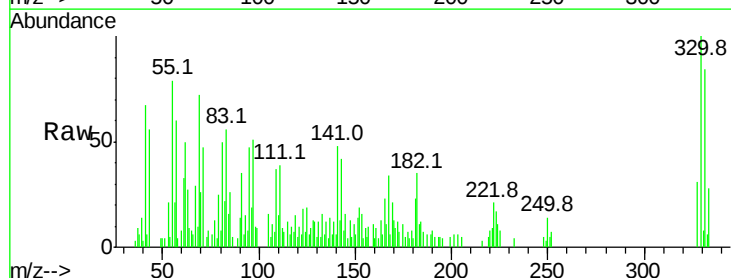
Tgt Ion:330 Resp: 16446

Ion Ratio Lower Upper

330 100

332 92.8 76.6 115.0

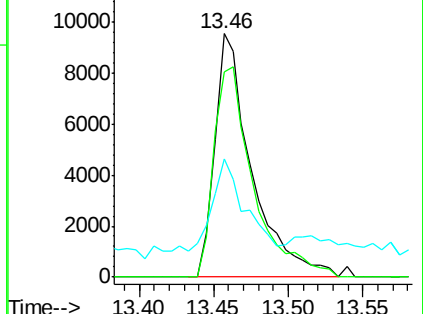
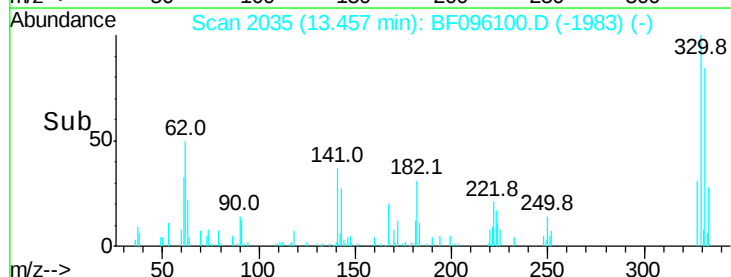
141 32.6 31.4 47.2

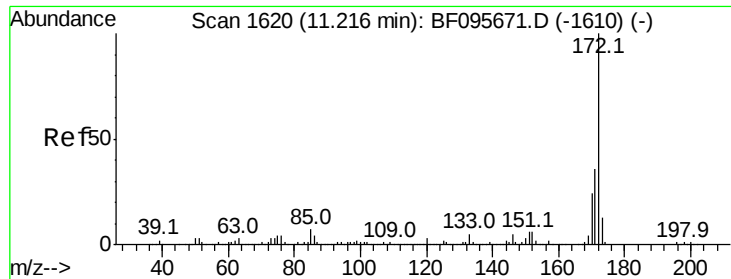


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

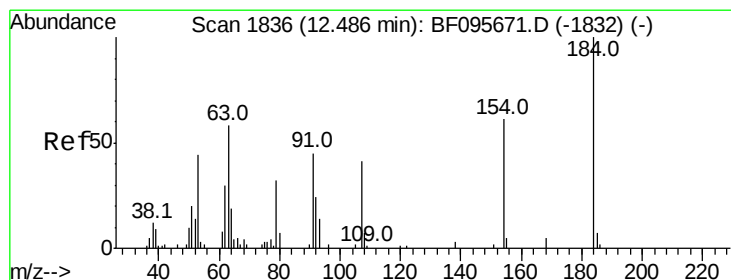
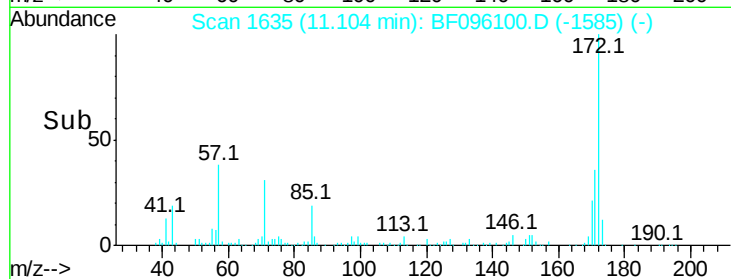
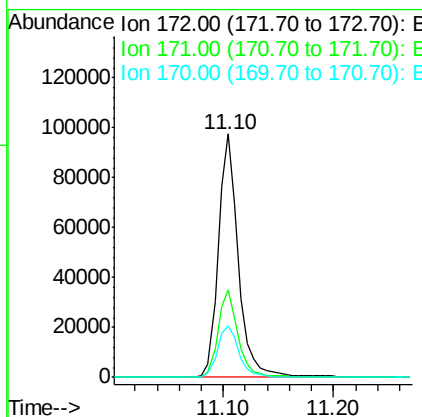
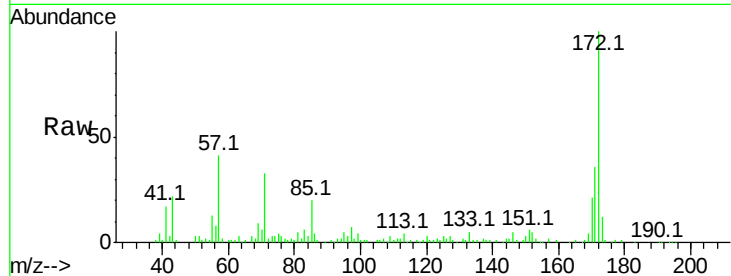




#44
 2-Fluorobiphenyl
 Concen: 14.25 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

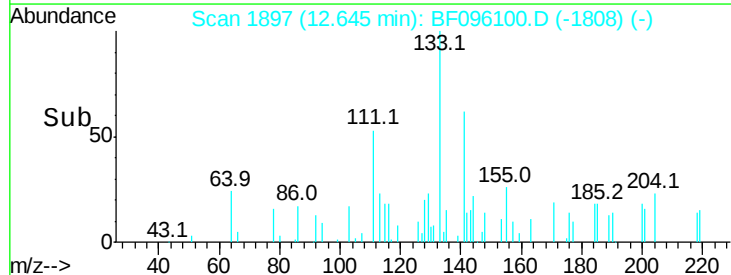
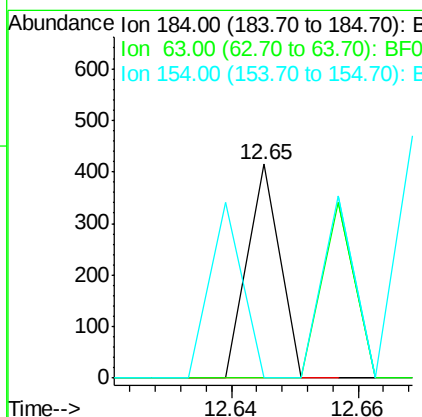
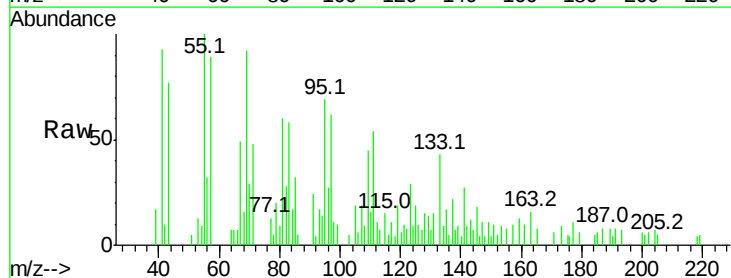
Instrument :
 BNA_F
 ClientSampleId :

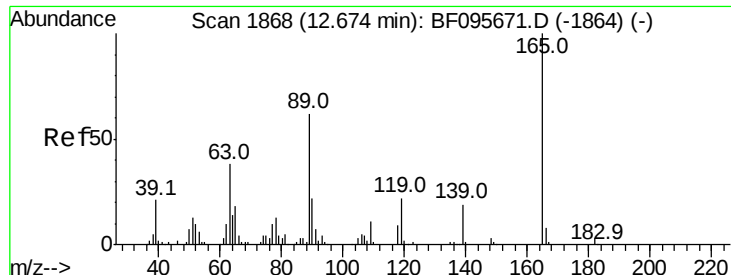
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	21.2	19.8	29.8



#53
 2,4-Dinitrophenol
 Concen: 6.59 ng
 RT: 12.65 min Scan# 1897
 Delta R.T. 0.22 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.7	94.1#
154	0.0	81.1	121.7#

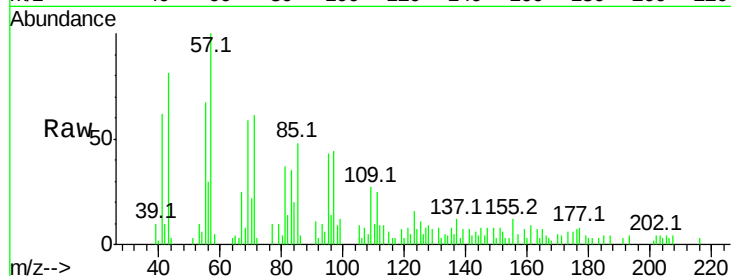




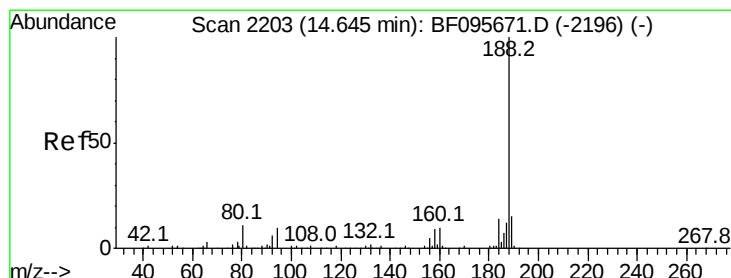
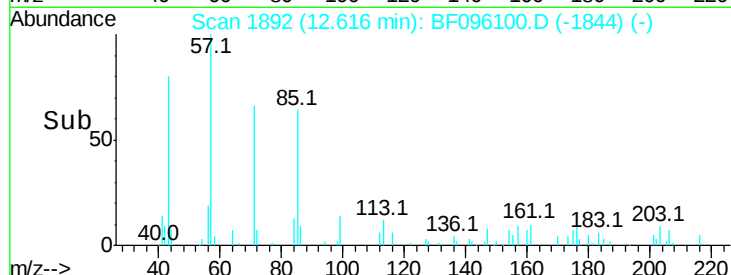
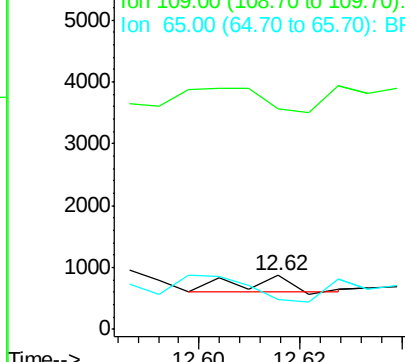
#55
4-Nitrophenol
Concen: 4.75 ng
RT: 12.62 min Scan# 1892
Delta R.T. -0.02 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 177
Ion Ratio Lower Upper
139 100
109 407.7 34.1 74.1#
65 54.6 31.4 71.4

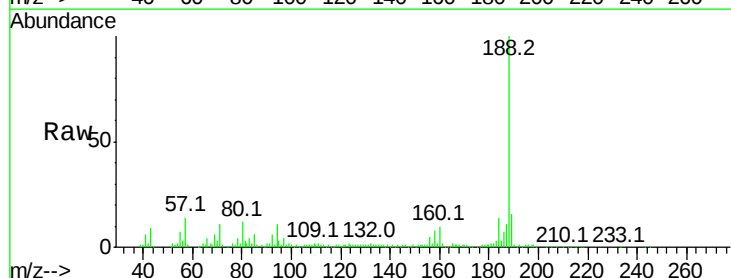


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

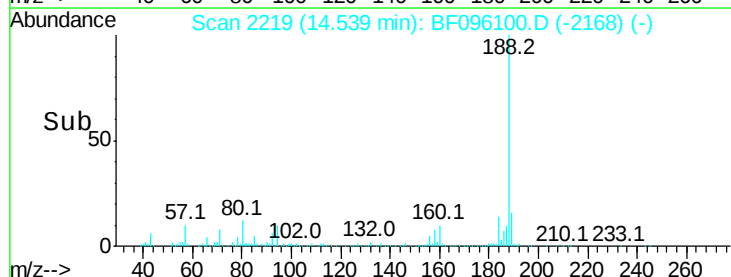
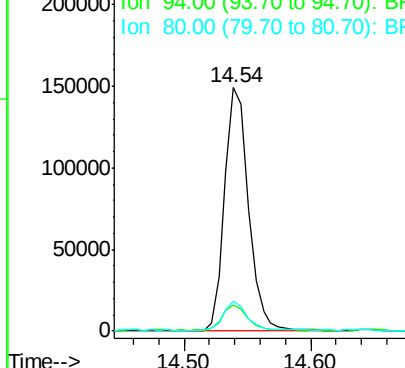


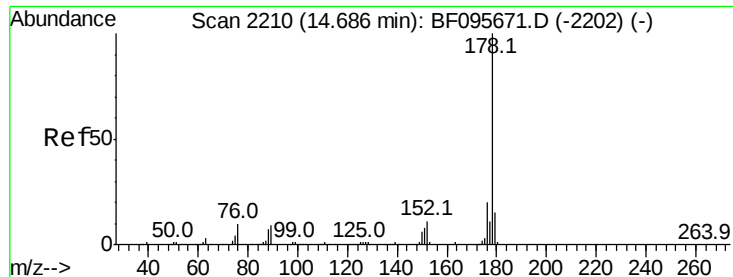
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Tgt Ion:188 Resp: 195877
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.14 ng

RT: 14.58 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

Instrument :

BNA_F

ClientSampleId :

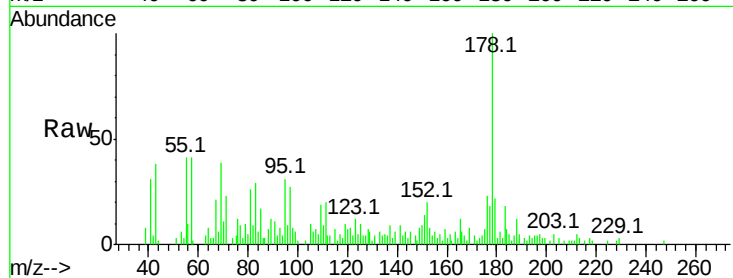
Tot Ion:178 Resp: 24145

Ion Ratio Lower Upper

178 100

176 22.7 16.2 24.4

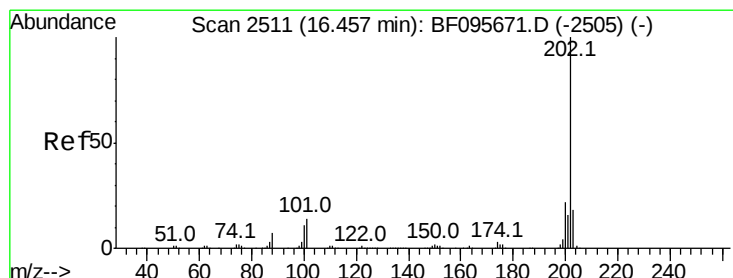
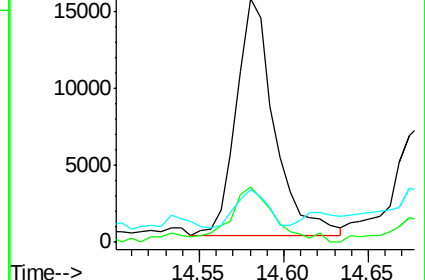
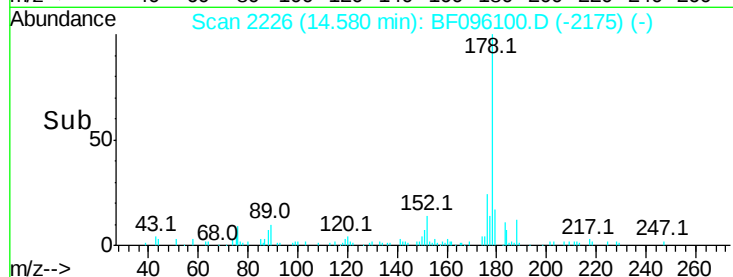
179 21.6 12.6 19.0#



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: 3.92 ng

RT: 16.37 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

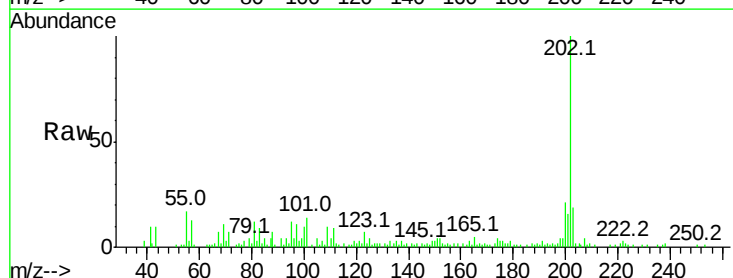
Tgt Ion:202 Resp: 43835

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

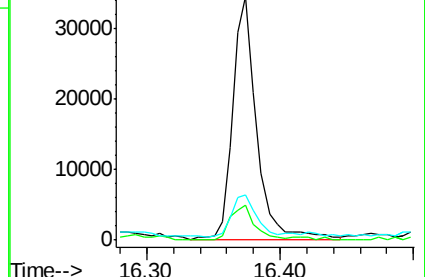
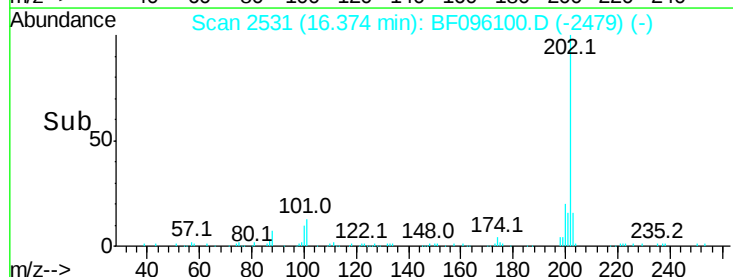
203 18.6 0.0 38.1

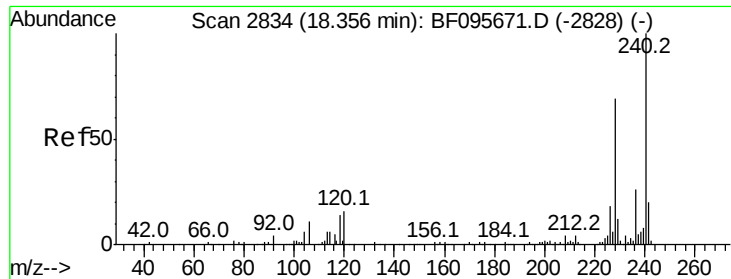


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

Instrument :

BNA_F

ClientSampleId :

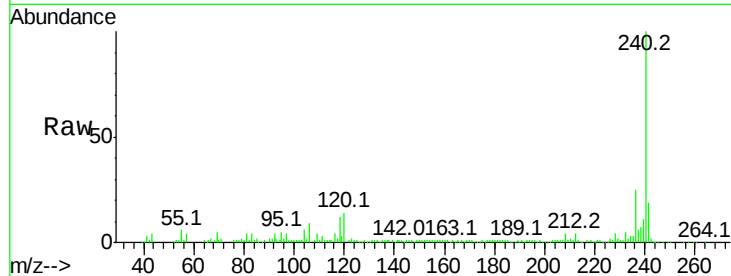
Tot Ion:240 Resp: 159389

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

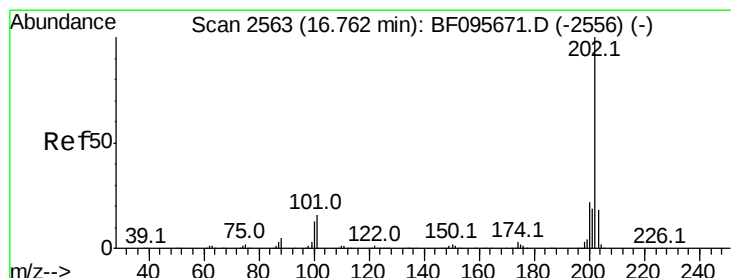
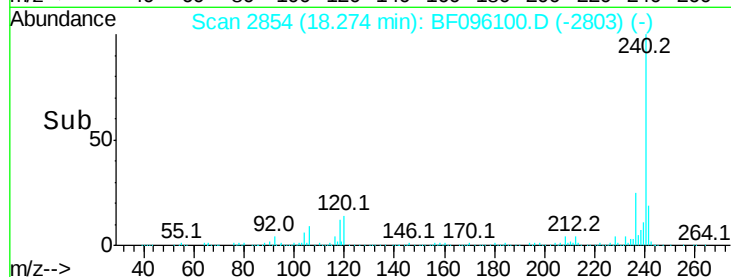
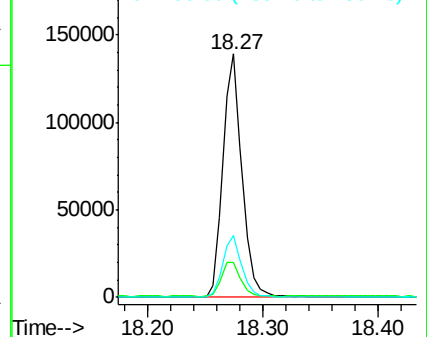
236 25.3 20.5 30.7



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: 3.96 ng

RT: 16.67 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF096100.D

Acq: 21 Jun 2017 23:36

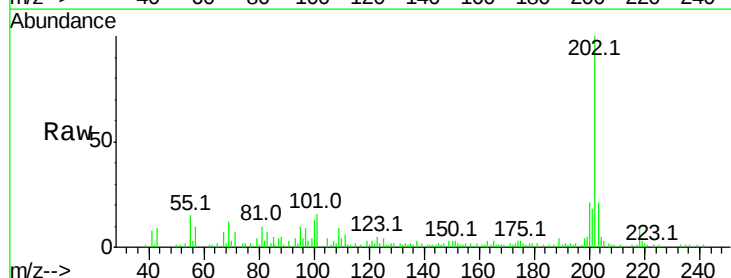
Tgt Ion:202 Resp: 47091

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

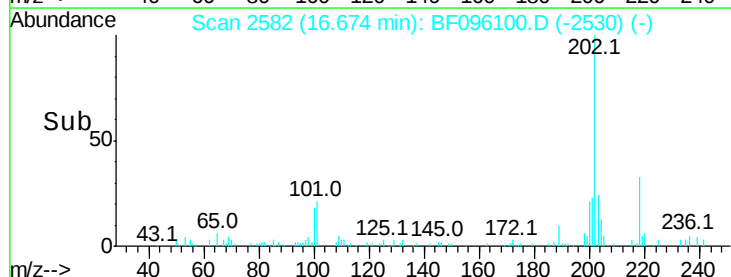
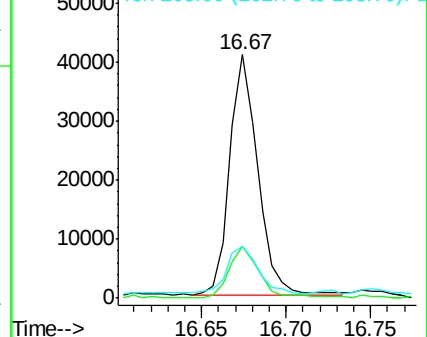
203 21.5 14.4 21.6

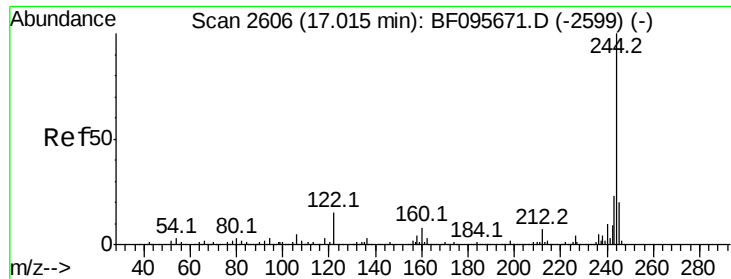


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

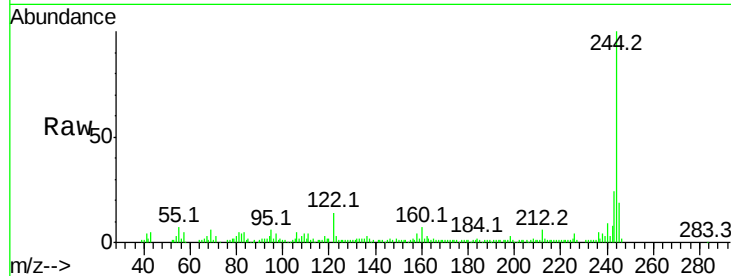




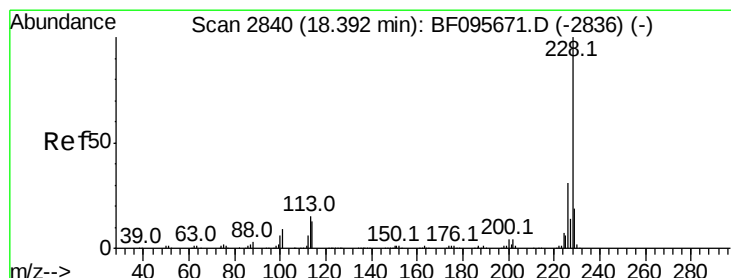
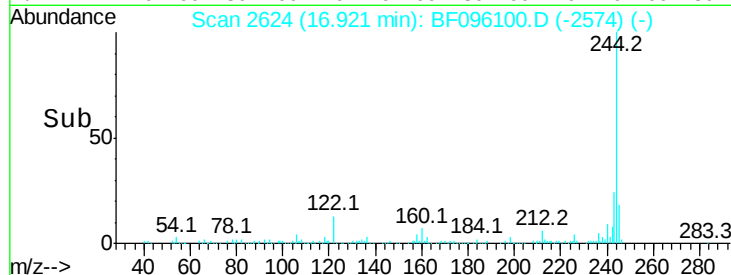
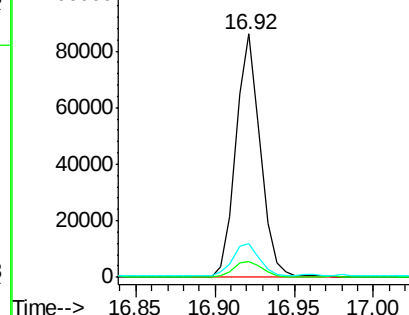
#78
 Terphenyl-d14
 Concen: 14.30 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 91844
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 13.9 10.3 15.5

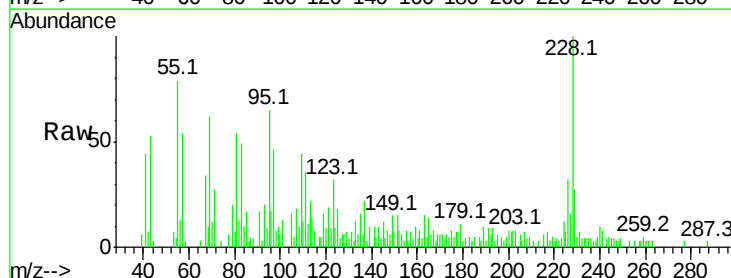


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

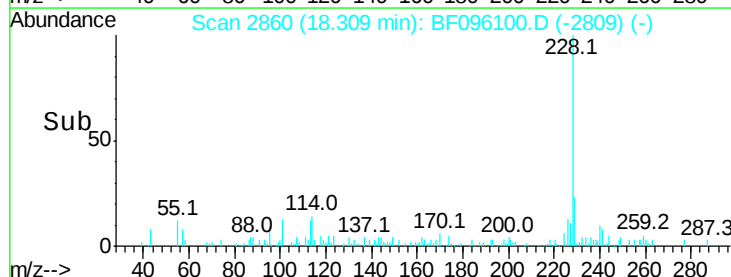
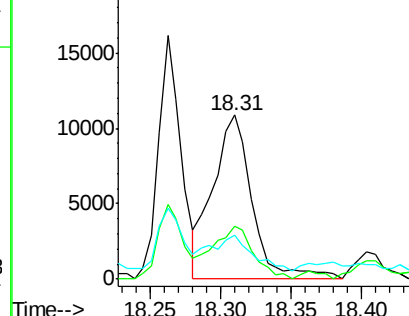


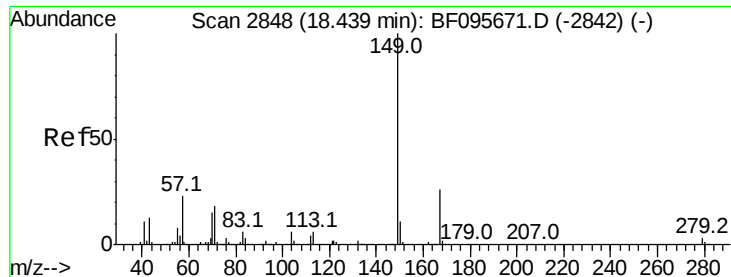
#82
 Chrysene
 Concen: 2.29 ng
 RT: 18.31 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

Tgt Ion:228 Resp: 21198
 Ion Ratio Lower Upper
 228 100
 226 32.1 24.9 37.3
 229 26.8 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

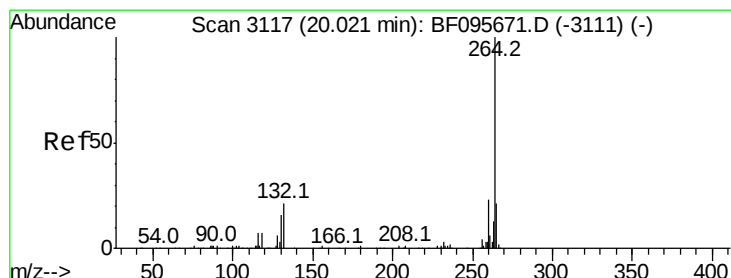
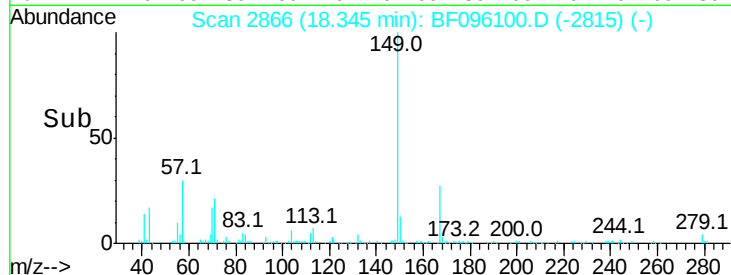
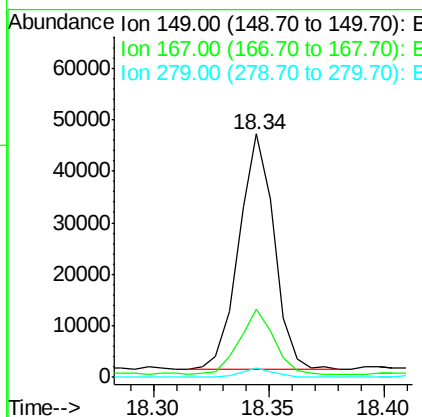
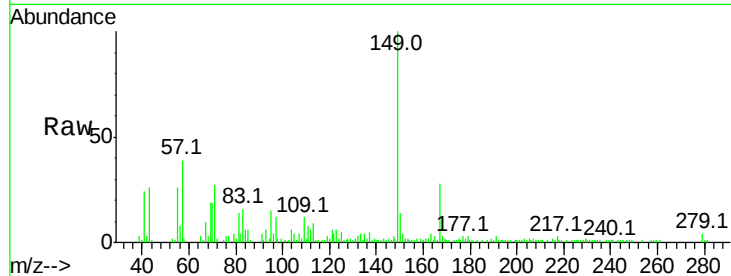




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.63 ng
 RT: 18.34 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

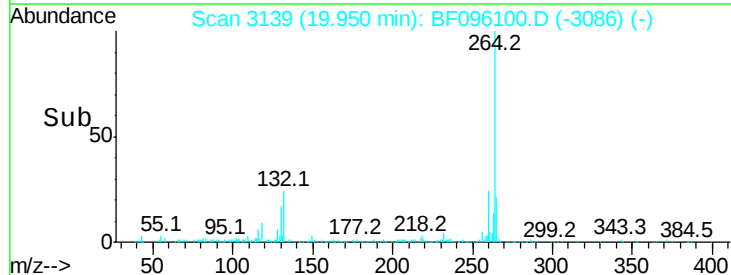
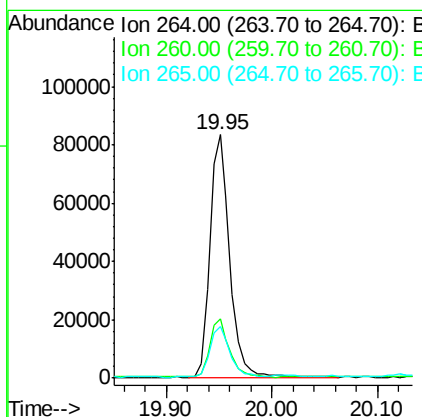
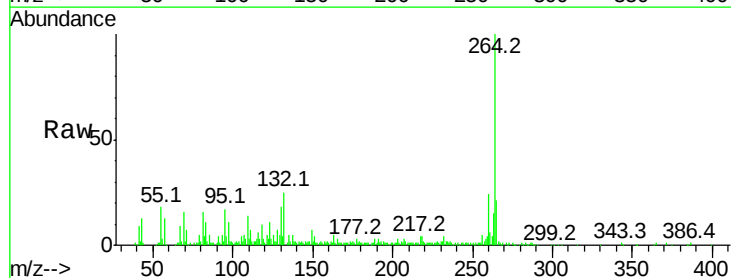
Instrument :
 BNA_F
 ClientSampleId :

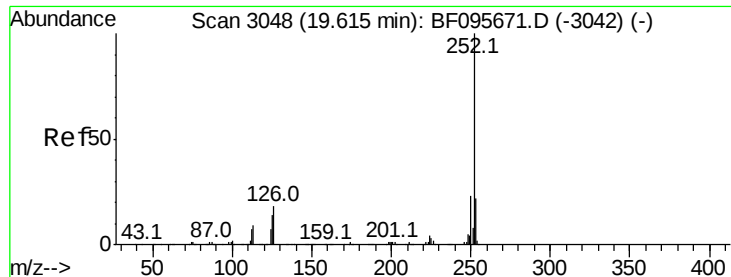
Tot Ion:149 Resp: 48540
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.0 31.4
 279 3.6 1.9 2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.95 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BF096100.D
 Acq: 21 Jun 2017 23:36

Tgt Ion:264 Resp: 110750
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.2 17.2 25.8

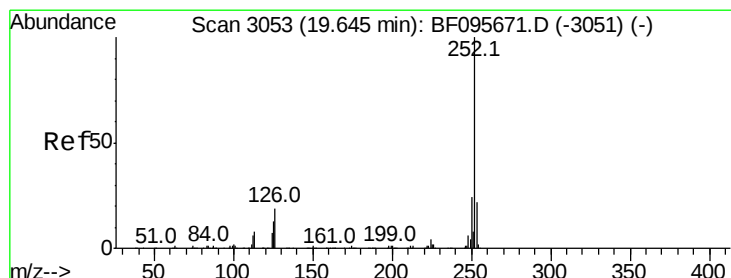
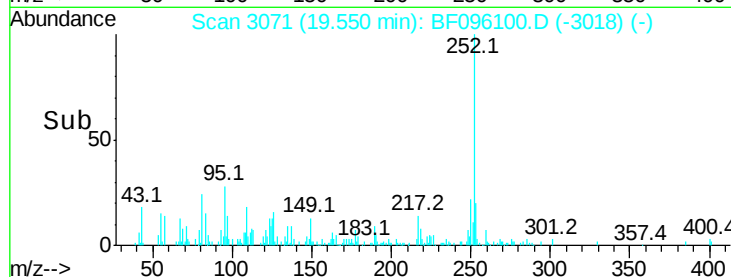
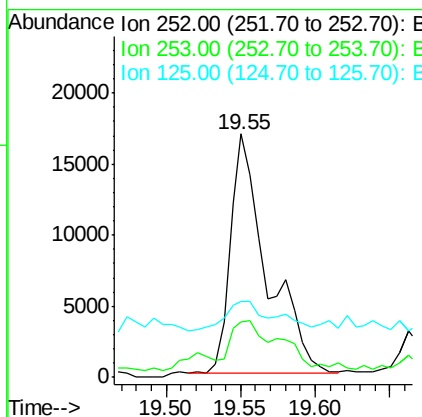
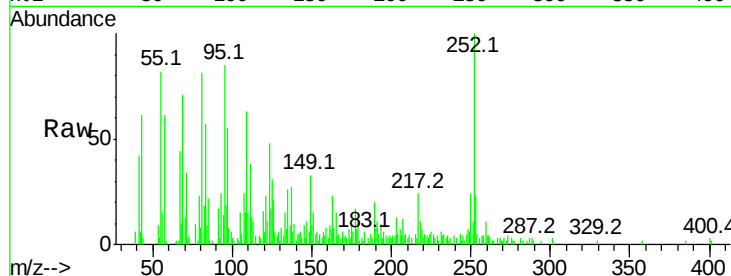




#87
Benzo(b)fluoranthene
Concen: 4.13 ng
RT: 19.55 min Scan# 3071
Delta R.T. 0.01 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28627
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 31.2 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 4.32 ng
RT: 19.55 min Scan# 3071
Delta R.T. -0.02 min
Lab File: BF096100.D
Acq: 21 Jun 2017 23:36

Tgt Ion:252 Resp: 28627
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 31.2 13.1 19.7#

