

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096092.D
 Acq On : 21 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3736-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 01:05:29 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	74456	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	294815	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	119226	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	175018	20.00	ng	0.00
75) Chrysene-d12	18.27	240	157657	20.00	ng	0.00
86) Perylene-d12	19.94	264	115182	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	267413	57.23	ng	0.01
7) Phenol-d6	6.88	99	290426	51.92	ng	0.00
23) Nitrobenzene-d5	8.22	82	190253	40.08	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	54260	51.44	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	374252	43.68	ng	0.00
78) Terphenyl-d14	16.92	244	235642	37.09	ng	0.00

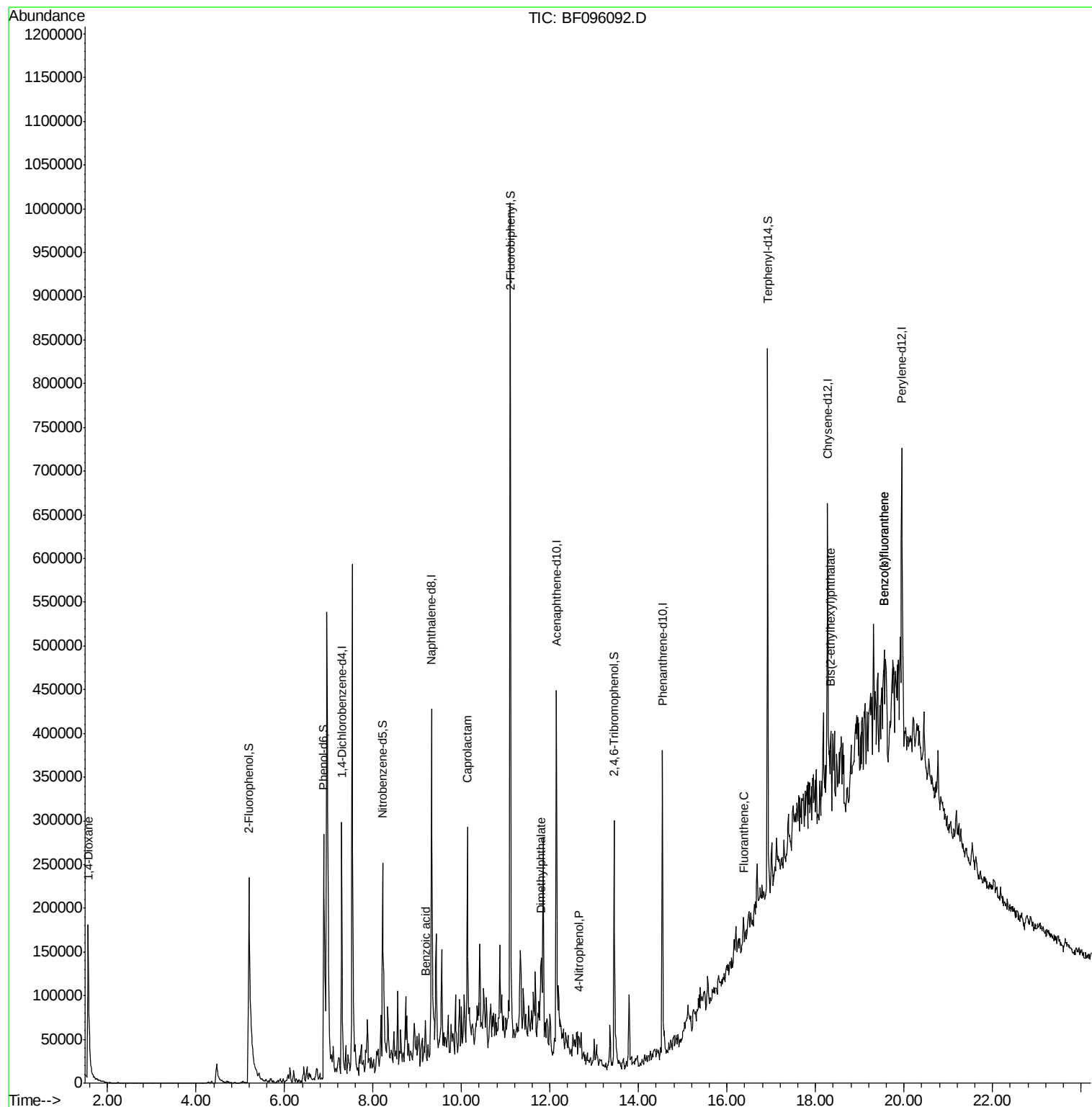
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	9771	4.40	ng	# 21
32) Benzoic acid	9.18	122	293	5.22	ng	# 31
35) Caprolactam	10.13	113	8013	6.79	ng	# 43
49) Dimethylphthalate	11.80	163	45019	4.97	ng	97
55) 4-Nitrophenol	12.64	139	130	4.72	ng	# 1
74) Fluoranthene	16.37	202	21375	2.14	ng	93
83) Bis(2-ethylhexyl)phthalate	18.34	149	15947	2.20	ng	# 95
87) Benzo(b)fluoranthene	19.56	252	14526	2.01	ng	# 28
88) Benzo(k)fluoranthene	19.56	252	14526	2.11	ng	# 29

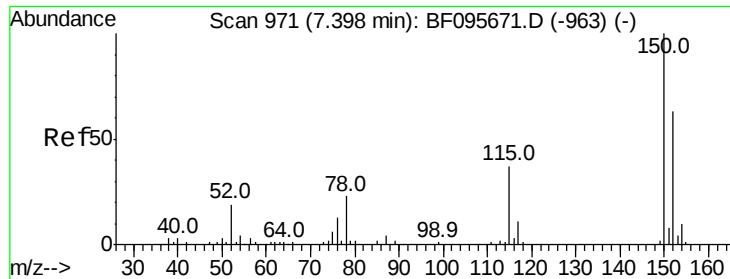
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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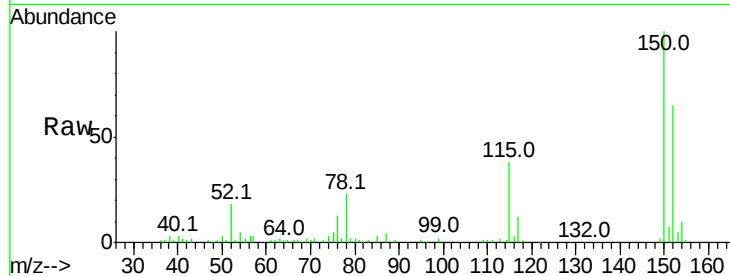


#1

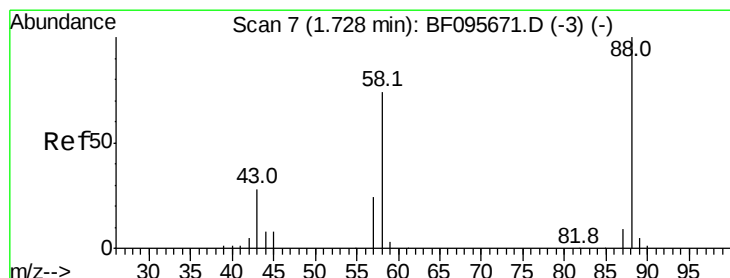
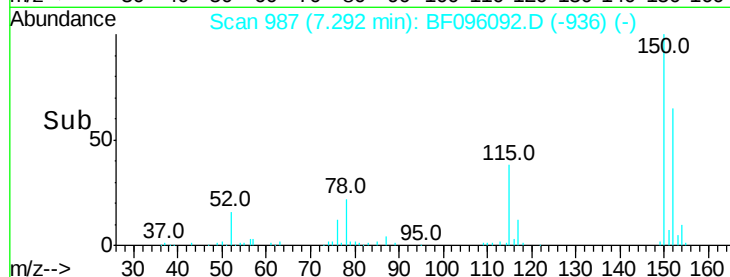
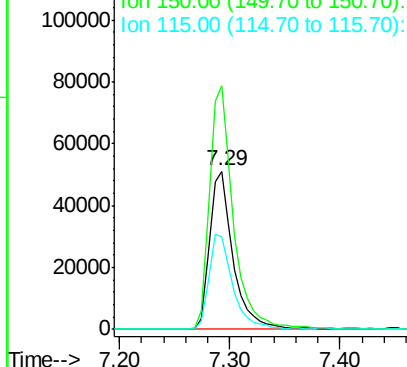
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74456
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 58.3 52.2 78.2



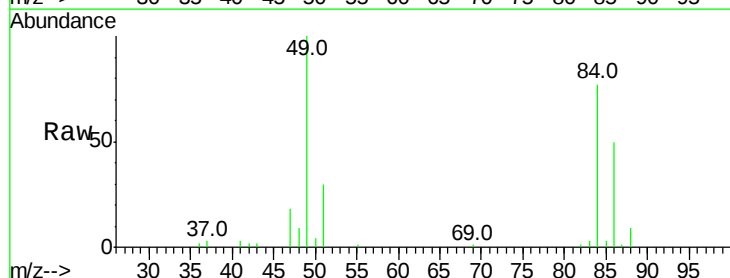
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



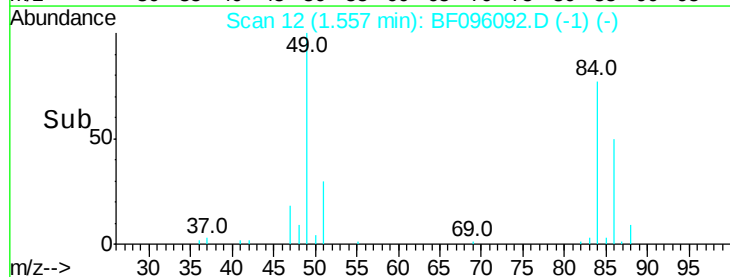
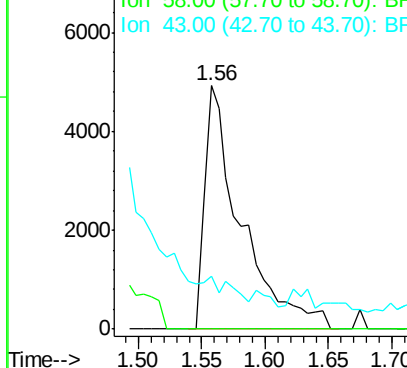
#2

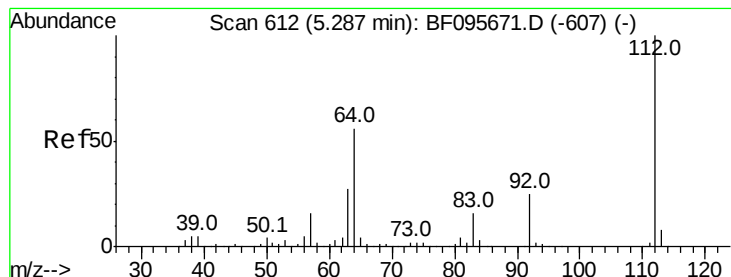
1,4-Dioxane
Concen: 4.40 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Tgt Ion: 88 Resp: 9771
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 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: 57.23 ng

RT: 5.19 min Scan# 630

Delta R.T. 0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

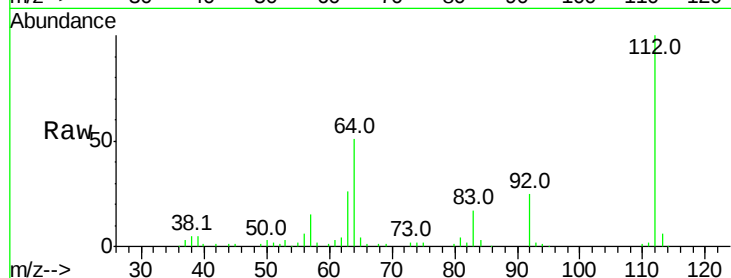
Tot Ion:112 Resp: 267413

Ion Ratio Lower Upper

112 100

64 50.8 46.0 69.0

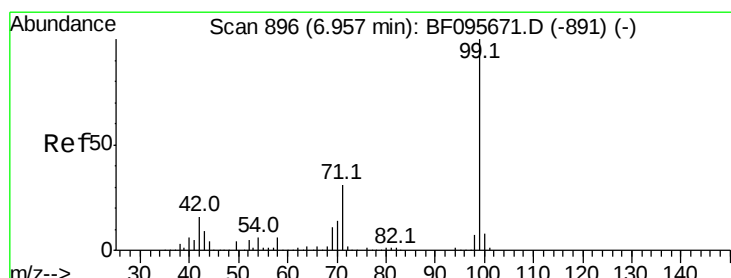
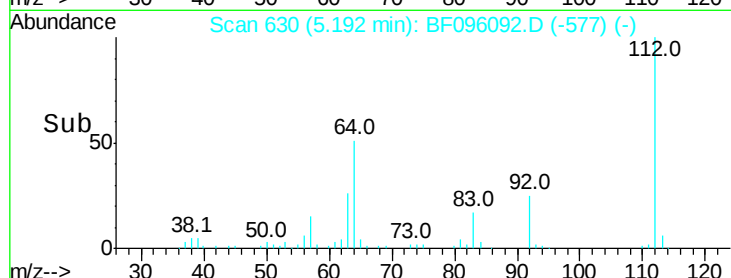
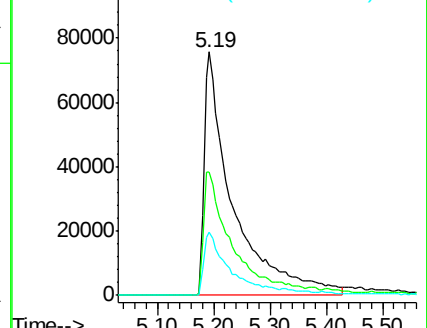
63 26.0 23.4 35.0



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: 51.92 ng

RT: 6.88 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

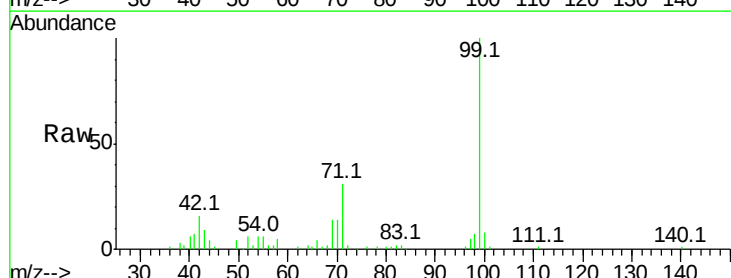
Tgt Ion: 99 Resp: 290426

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

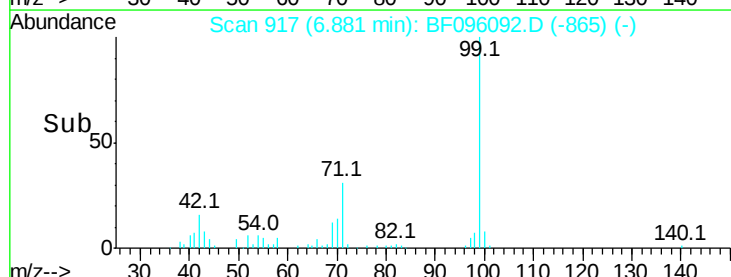
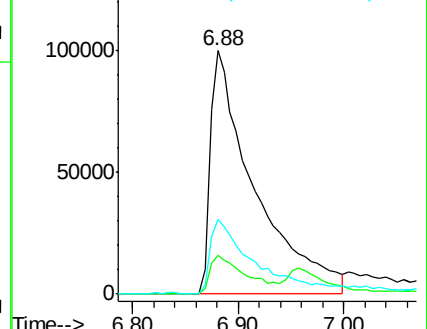
71 30.9 24.5 36.7

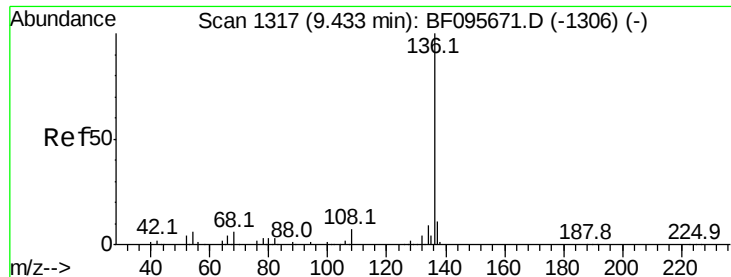


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 294815

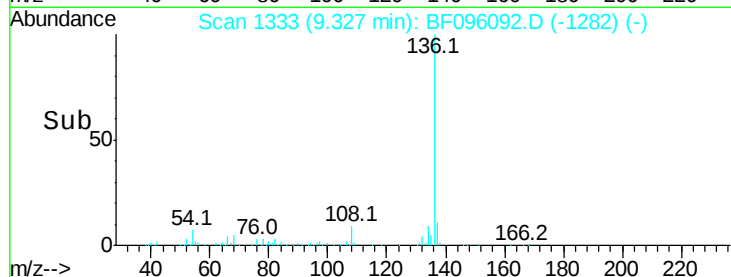
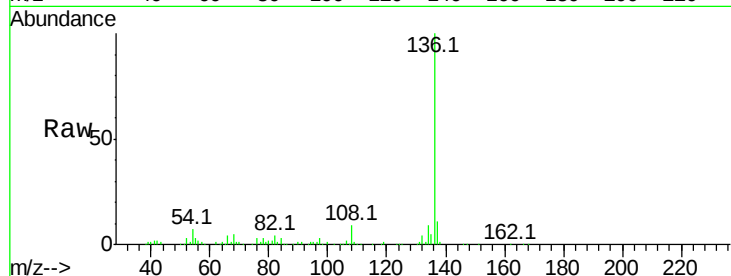
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.3 4.9 7.3

68 5.5 4.1 6.1

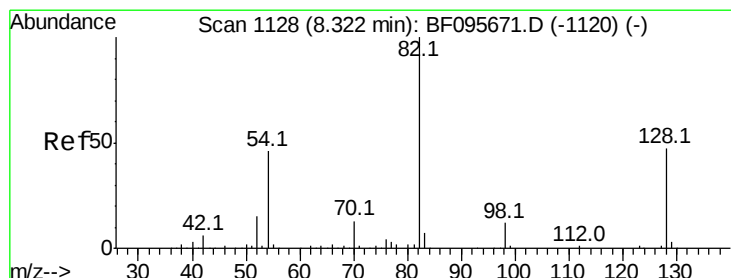
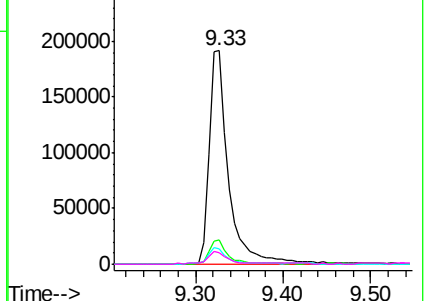


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.08 ng

RT: 8.22 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

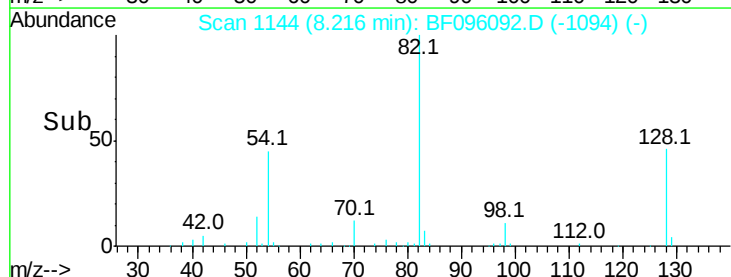
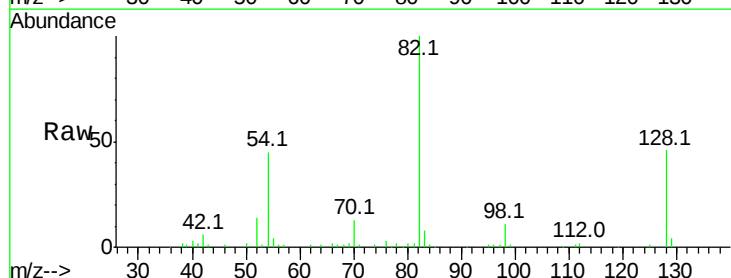
Tgt Ion: 82 Resp: 190253

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

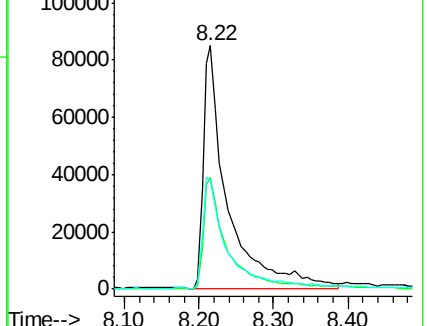
54 44.8 42.2 63.2

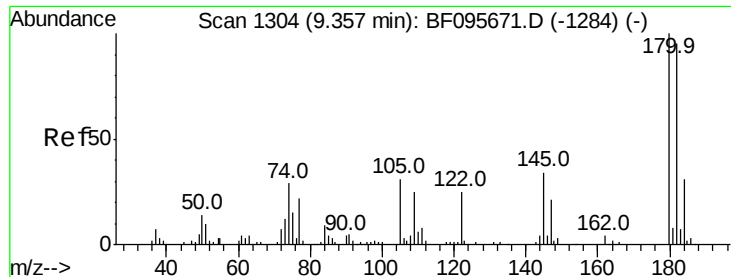


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

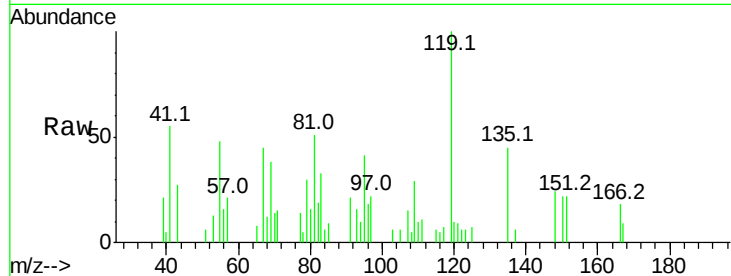




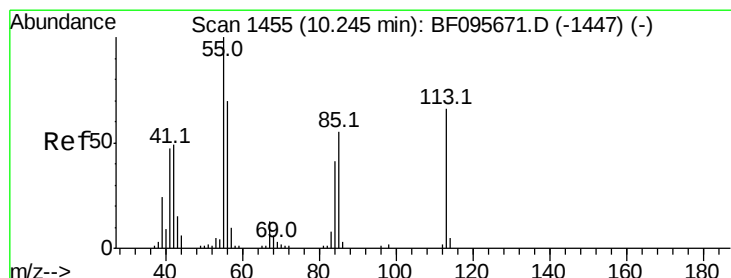
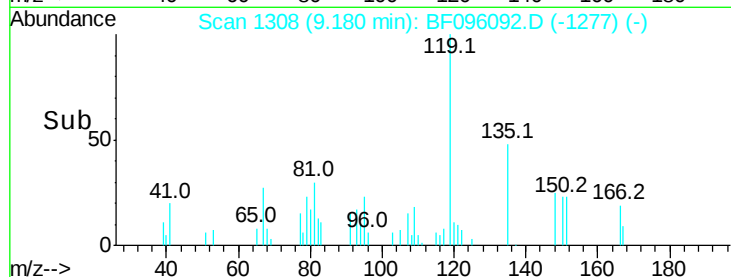
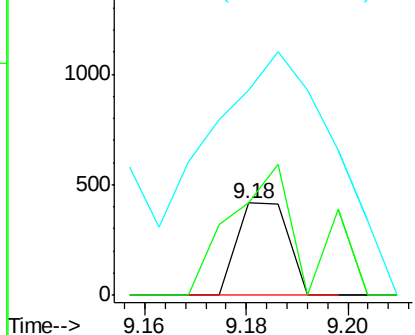
#32
Benzoic acid
Concen: 5.22 ng
RT: 9.18 min Scan# 1308
Delta R.T. -0.12 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 293
Ion Ratio Lower Upper
122 100
105 101.0 103.3 143.3#
77 223.3 73.7 113.7#

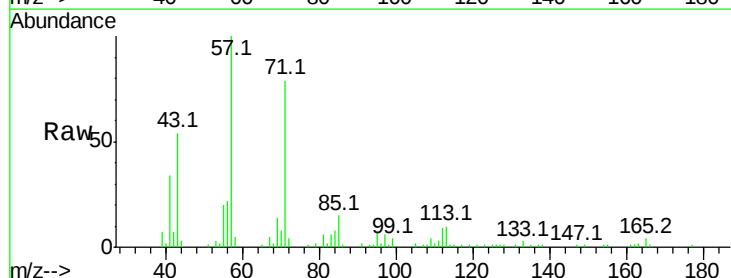


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

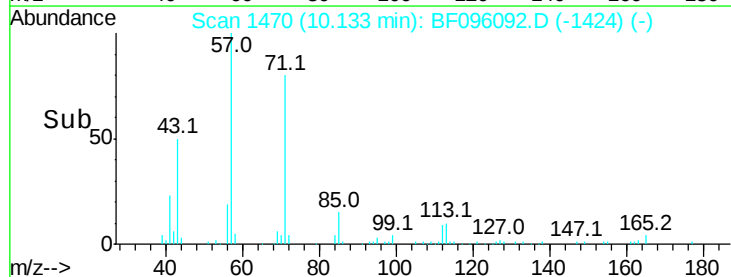
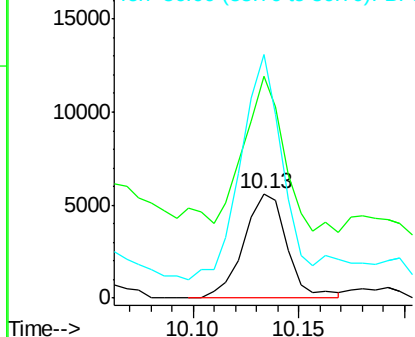


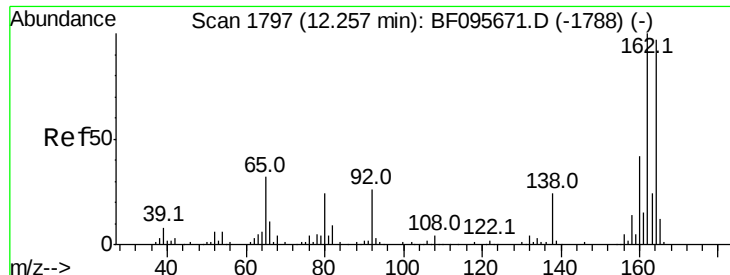
#35
Caprolactam
Concen: 6.79 ng
RT: 10.13 min Scan# 1470
Delta R.T. -0.03 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Tgt Ion:113 Resp: 8013
Ion Ratio Lower Upper
113 100
55 213.0 150.2 190.2#
56 233.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

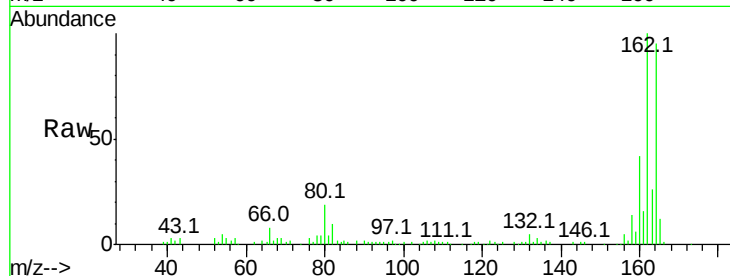




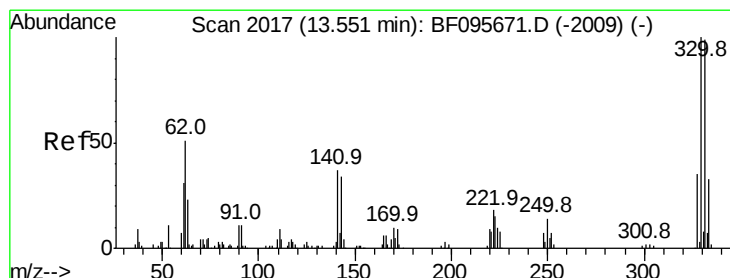
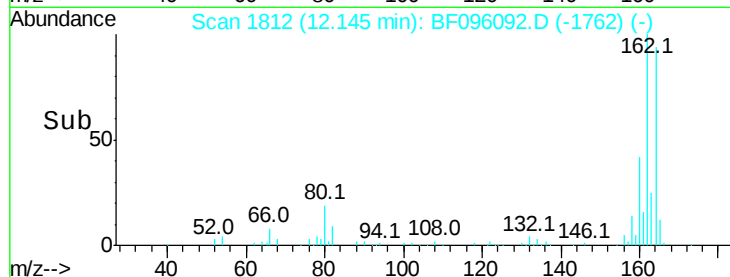
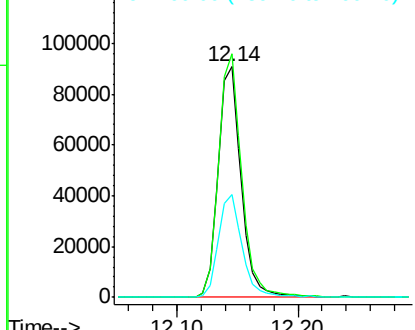
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 119226
Ion Ratio Lower Upper
164 100
162 105.6 82.6 123.8
160 44.7 36.2 54.2

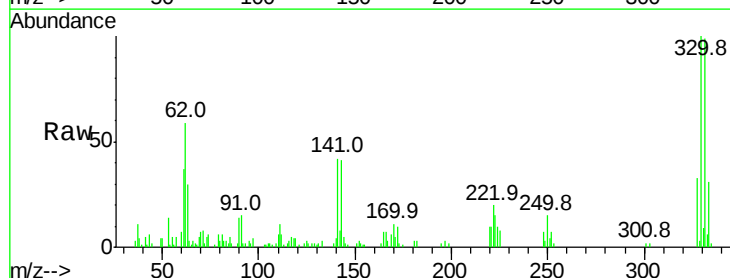


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

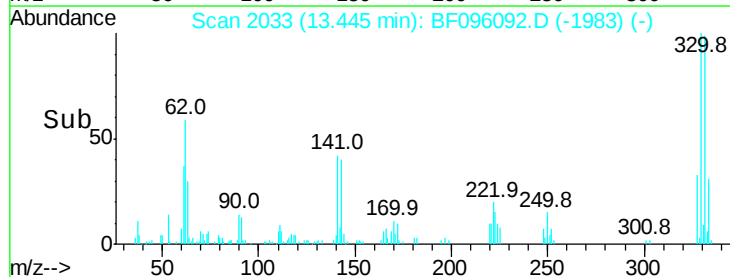
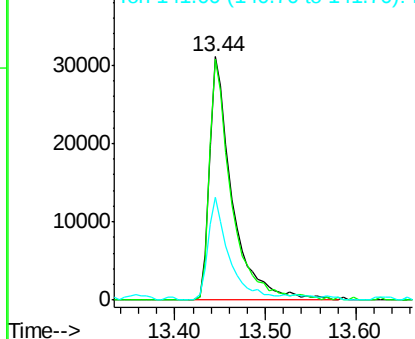


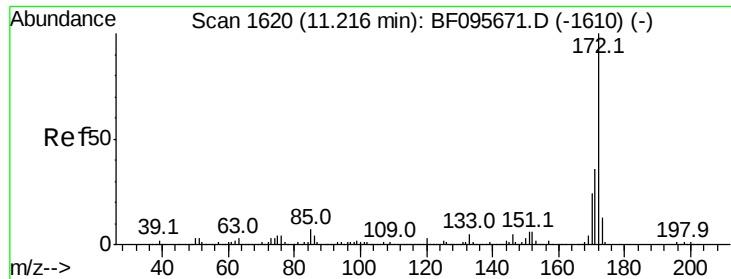
#41
2,4,6-Tribromophenol
Concen: 51.44 ng
RT: 13.44 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Tgt Ion:330 Resp: 54260
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 40.4 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

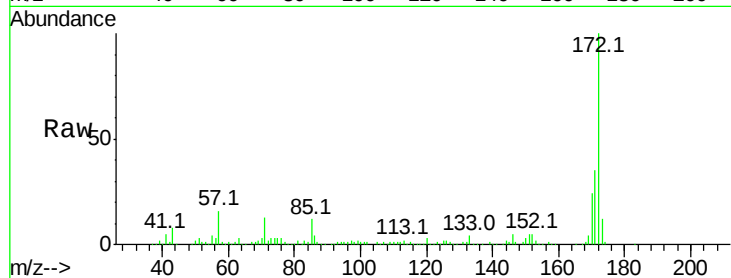




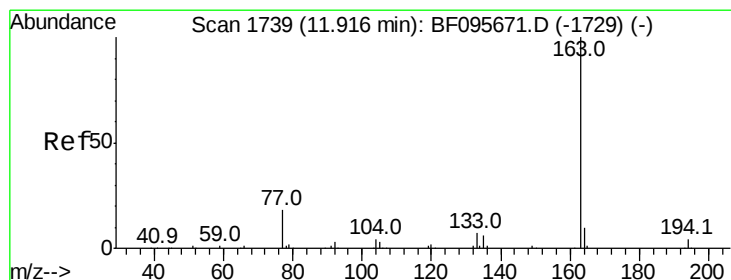
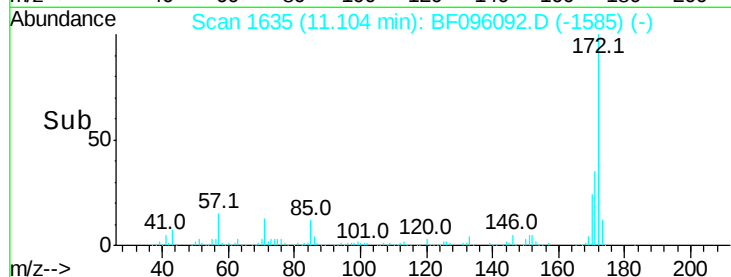
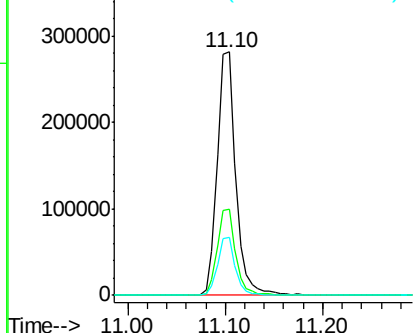
#44
2-Fluorobiphenyl
Concen: 43.68 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 374252
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.8 19.8 29.8

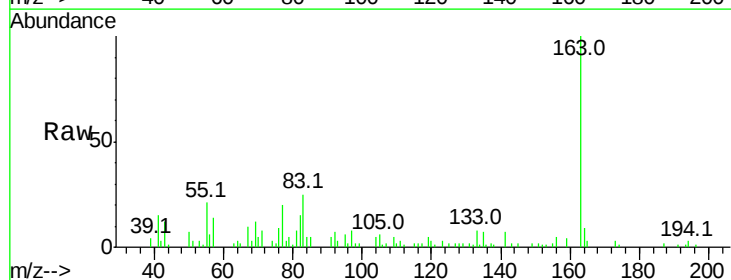


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

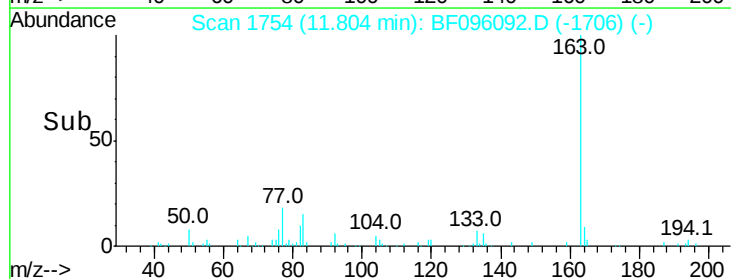
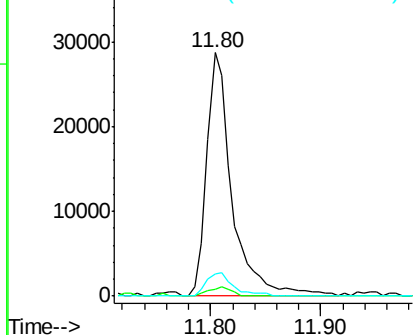


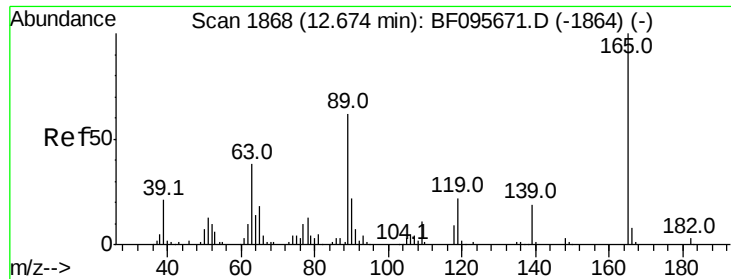
#49
Dimethylphthalate
Concen: 4.97 ng
RT: 11.80 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Tgt Ion:163 Resp: 45019
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 9.2 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

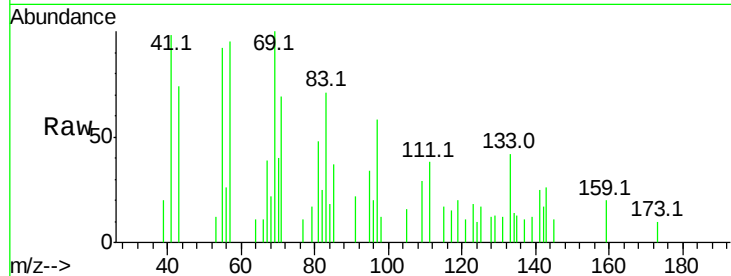




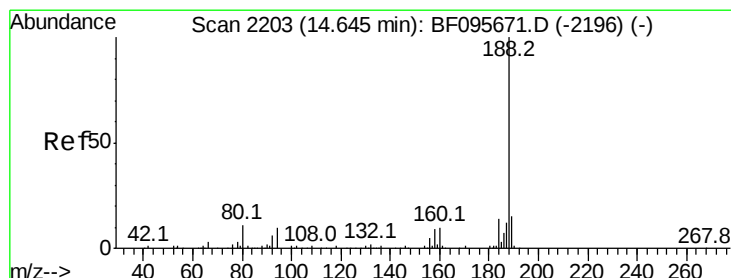
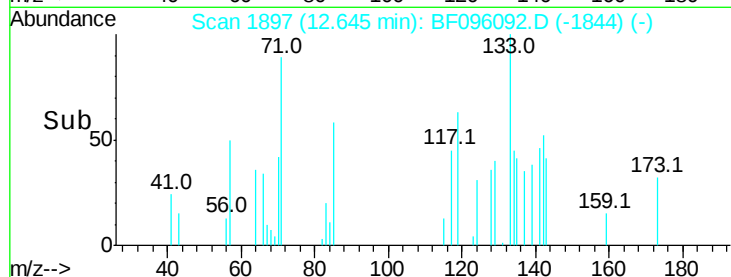
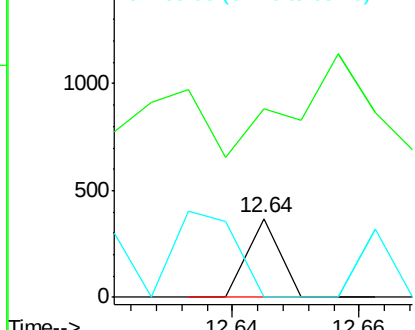
#55
4-Nitrophenol
Concen: 4.72 ng
RT: 12.64 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 130
Ion Ratio Lower Upper
139 100
109 239.6 34.1 74.1#
65 0.0 31.4 71.4#

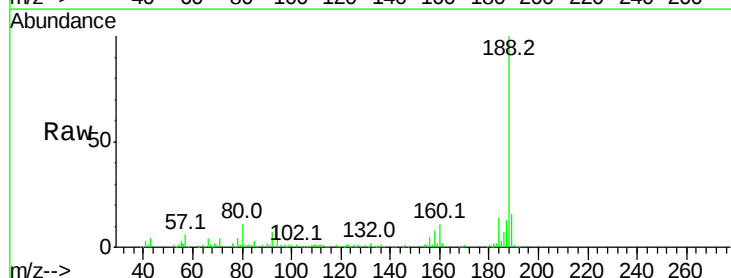


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

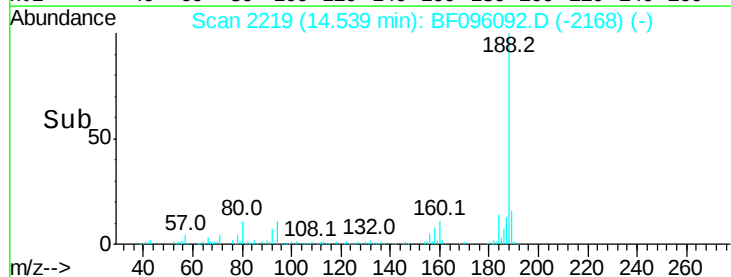
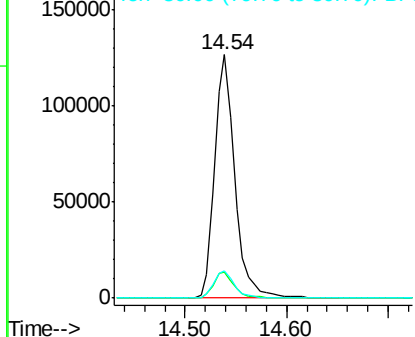


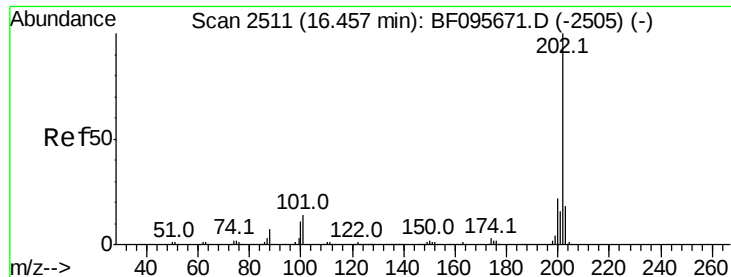
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096092.D
Acq: 21 Jun 2017 19:19

Tgt Ion:188 Resp: 175018
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.2 10.2 15.2



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





#74

Fluoranthene

Concen: 2.14 ng

RT: 16.37 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

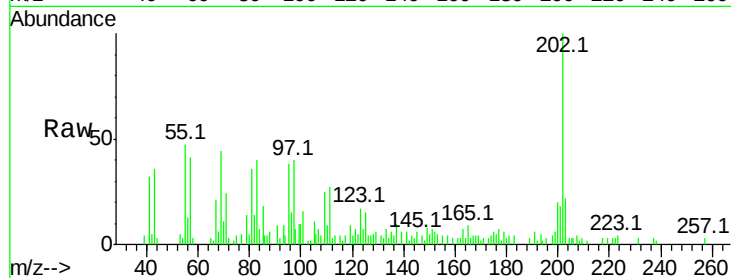
Tot Ion:202 Resp: 21375

Ion Ratio Lower Upper

202 100

101 15.5 0.0 33.2

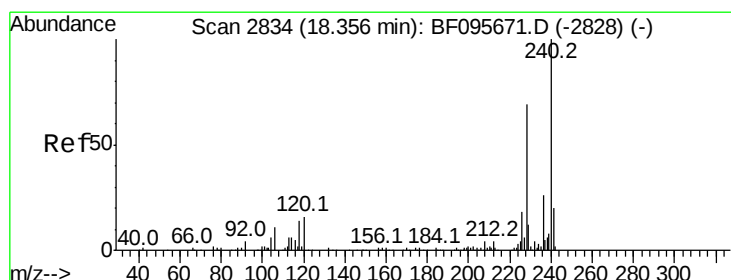
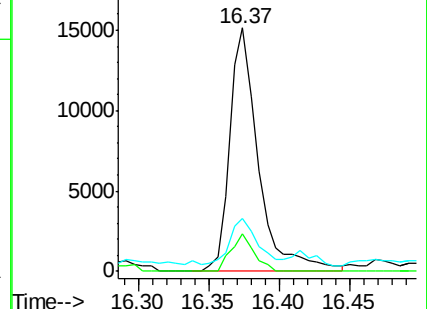
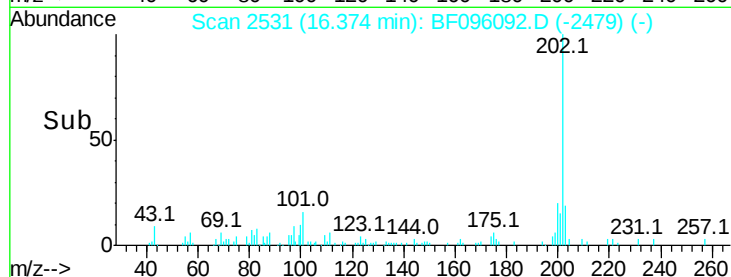
203 21.8 0.0 38.1



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: BF096092.D

Acq: 21 Jun 2017 19:19

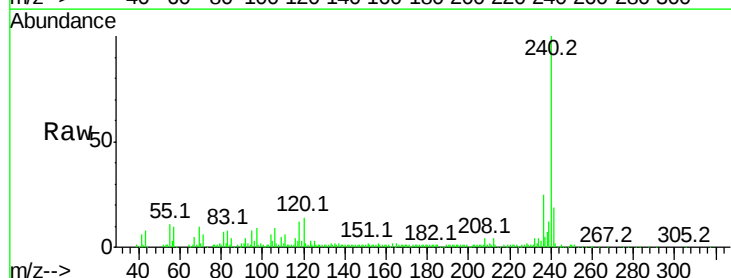
Tgt Ion:240 Resp: 157657

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

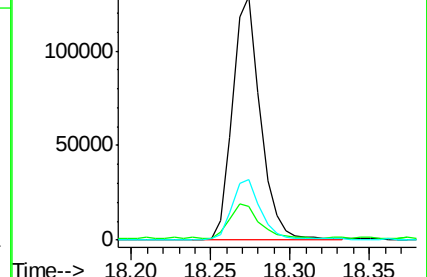
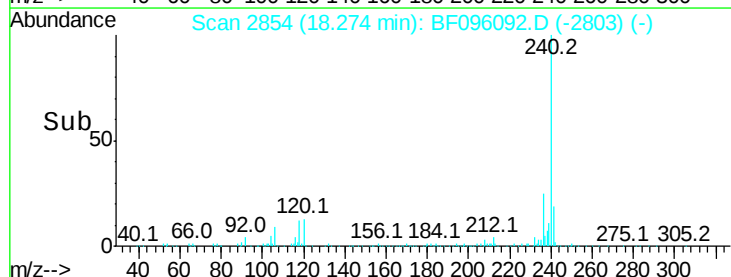
236 24.9 20.5 30.7

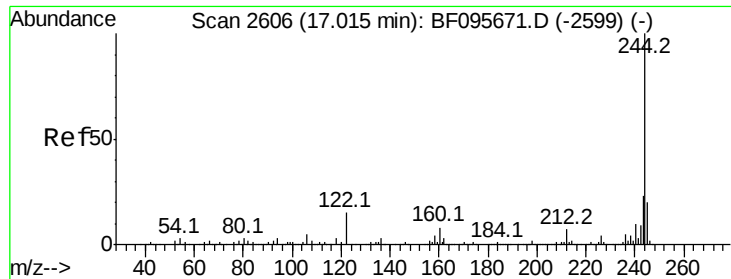


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

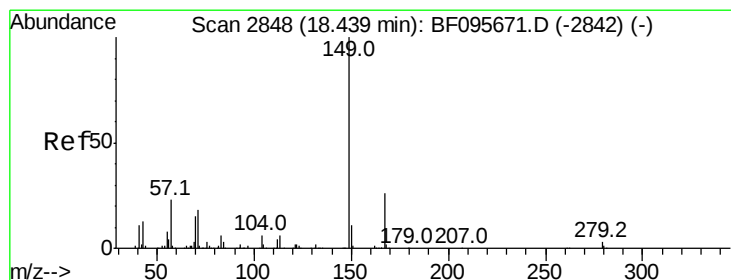
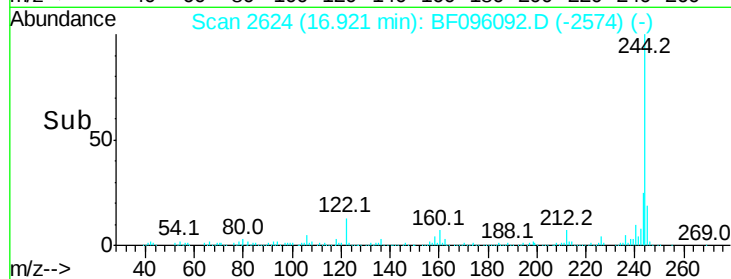
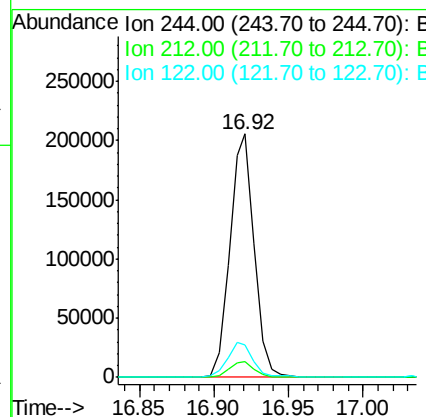
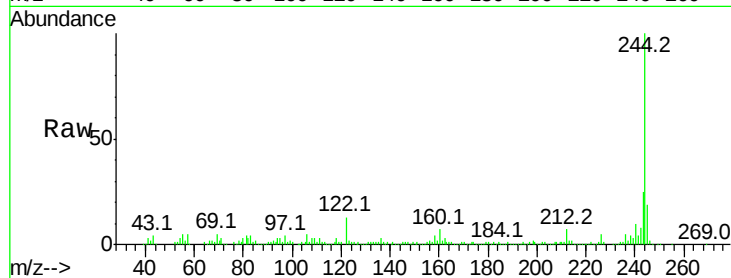




#78
 Terphenyl-d14
 Concen: 37.09 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096092.D
 Acq: 21 Jun 2017 19:19

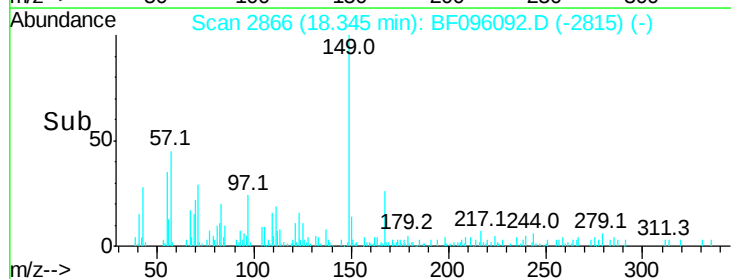
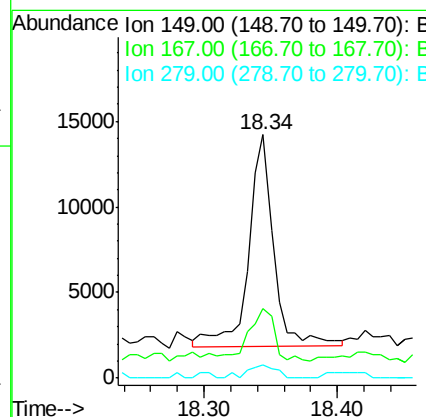
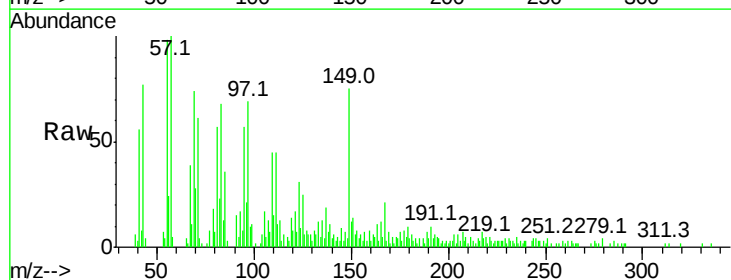
Instrument :
 BNA_F
 ClientSampleId :

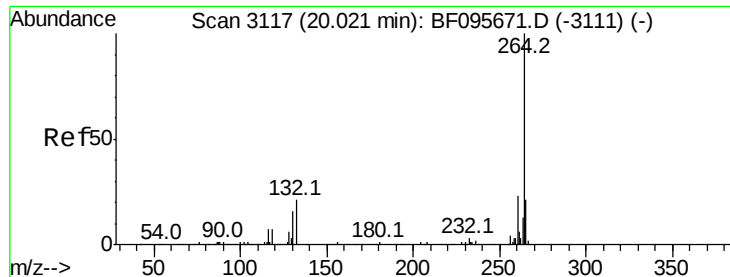
Tot Ion:244 Resp: 235642
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.3 10.3 15.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.20 ng
 RT: 18.34 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BF096092.D
 Acq: 21 Jun 2017 19:19

Tgt Ion:149 Resp: 15947
 Ion Ratio Lower Upper
 149 100
 167 28.5 21.0 31.4
 279 5.2 1.9 2.9#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

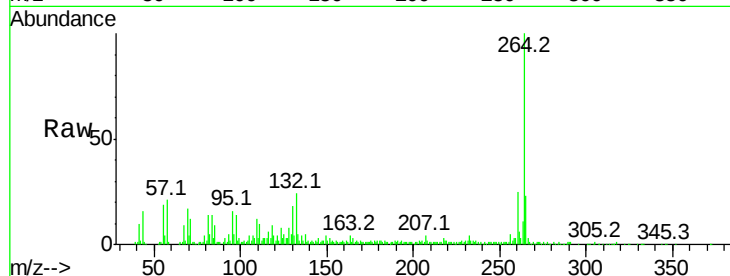
Tot Ion:264 Resp: 115182

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

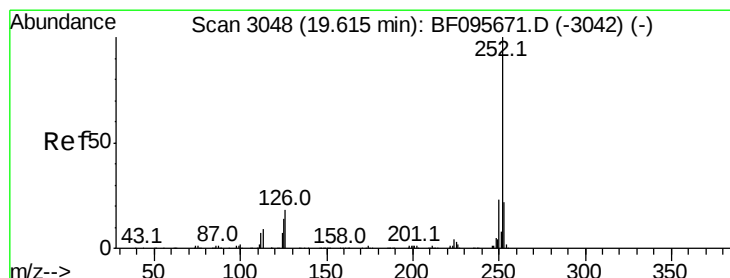
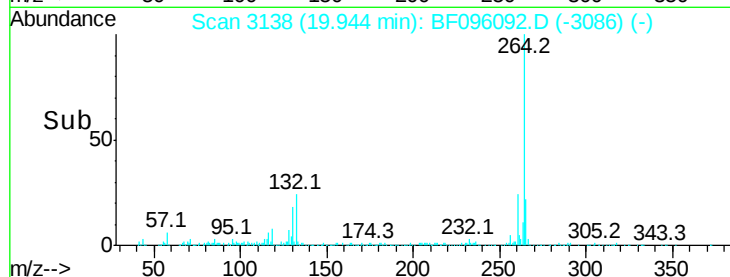
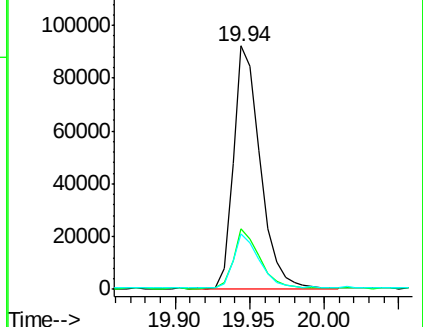
265 22.6 17.2 25.8



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: 2.01 ng

RT: 19.56 min Scan# 3072

Delta R.T. 0.02 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

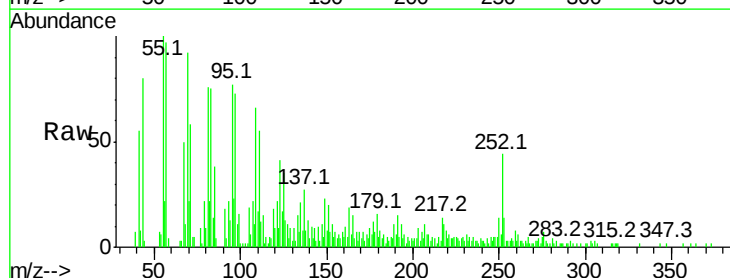
Tgt Ion:252 Resp: 14526

Ion Ratio Lower Upper

252 100

253 31.4 18.1 27.1#

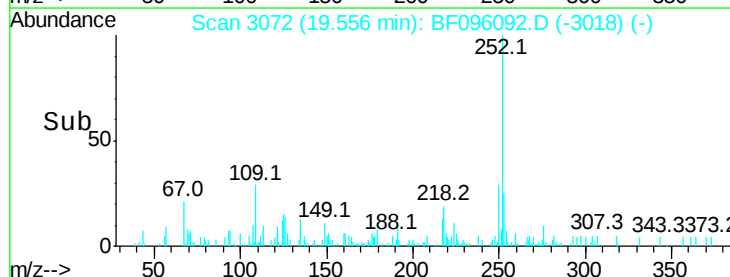
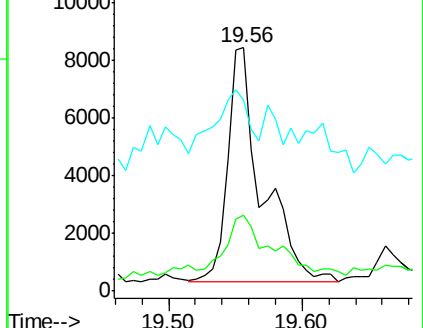
125 78.7 9.8 14.8#

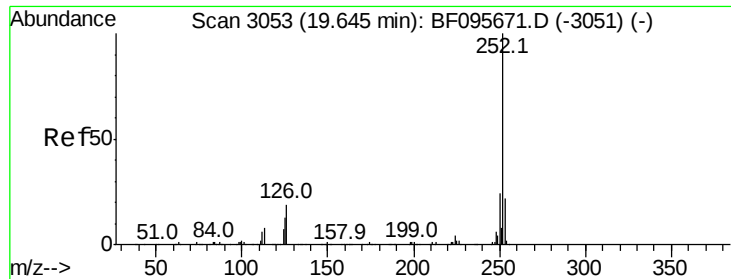


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.11 ng

RT: 19.56 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BF096092.D

Acq: 21 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

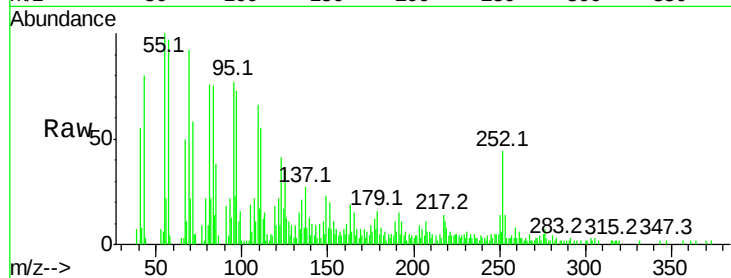
Tot Ion: 252 Resp: 14526

Ion Ratio Lower Upper

252 100

253 31.4 18.4 27.6#

125 78.7 13.1 19.7#



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

