

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096031.D
 Acq On : 20 Jun 2017 6:52
 Operator : SJ/MA
 Sample : I3688-15 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 08:08:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

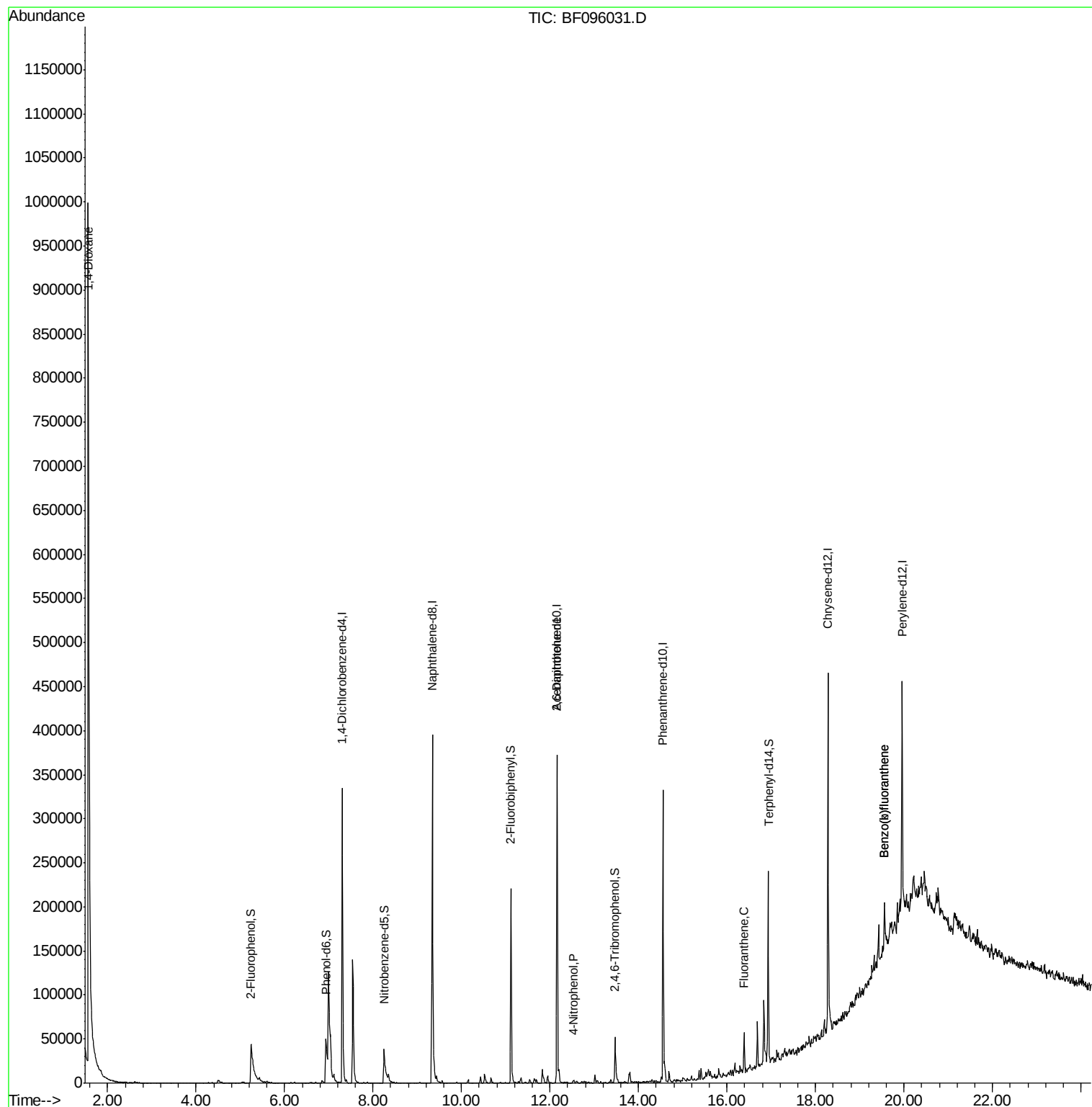
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	79793	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	296272	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	111006	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	179807	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	161490	20.00	ng	-0.02
86) Perylene-d12	19.96	264	112669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	57128	11.41	ng	0.03
7) Phenol-d6	6.93	99	91889	15.33	ng	0.02
23) Nitrobenzene-d5	8.25	82	46048	9.65	ng	0.00
41) 2,4,6-Tribromophenol	13.47	330	13222	13.46	ng	0.00
44) 2-Fluorobiphenyl	11.12	172	107376	13.46	ng	-0.02
78) Terphenyl-d14	16.93	244	83525	12.84	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.56	88	50743	21.30	ng	# 24
50) 2,6-Dinitrotoluene	12.16	165	13757	7.48	ng	# 31
55) 4-Nitrophenol	12.53	139	1005	5.38	ng	# 25
74) Fluoranthene	16.39	202	23763	2.31	ng	96
87) Benzo(b)fluoranthene	19.56	252	27427	3.89	ng	# 87
88) Benzo(k)fluoranthene	19.56	252	27427	4.07	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

Instrument :

BNA_F

ClientSampleId :

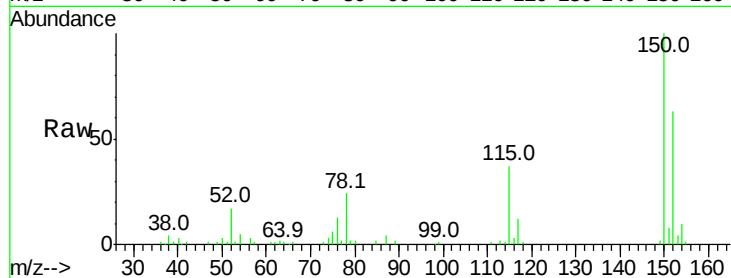
Tot Ion:152 Resp: 79793

Ion Ratio Lower Upper

152 100

150 158.0 126.2 189.2

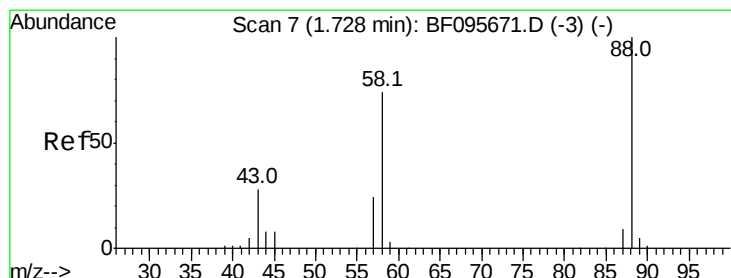
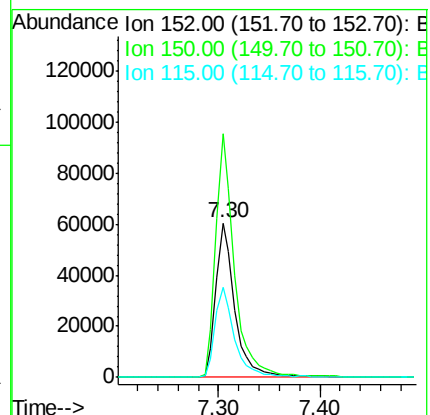
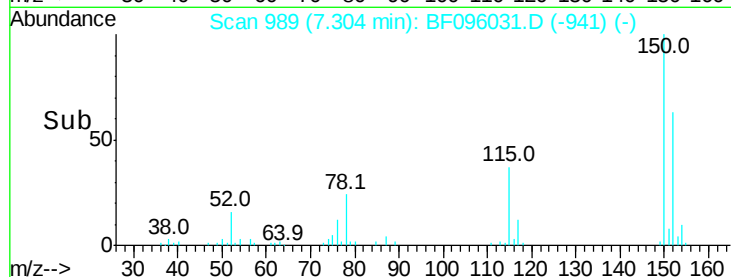
115 58.1 52.2 78.2



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



#2

1,4-Dioxane

Concen: 21.30 ng

RT: 1.56 min Scan# 13

Delta R.T. -0.07 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

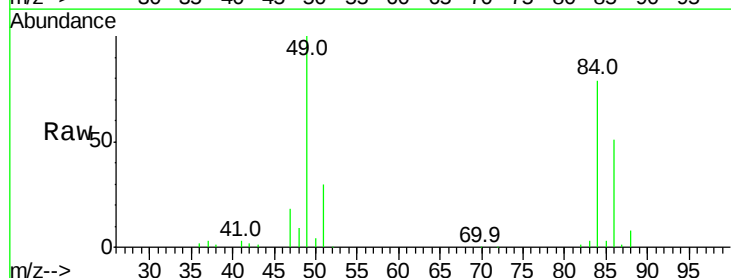
Tgt Ion: 88 Resp: 50743

Ion Ratio Lower Upper

88 100

58 0.5 61.4 92.0#

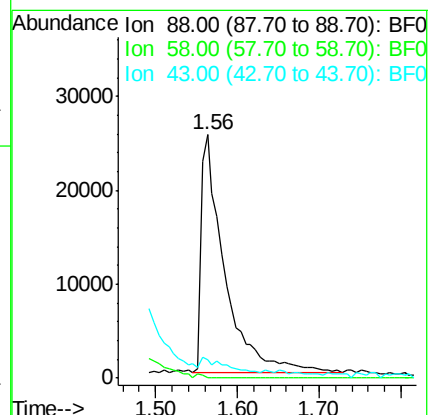
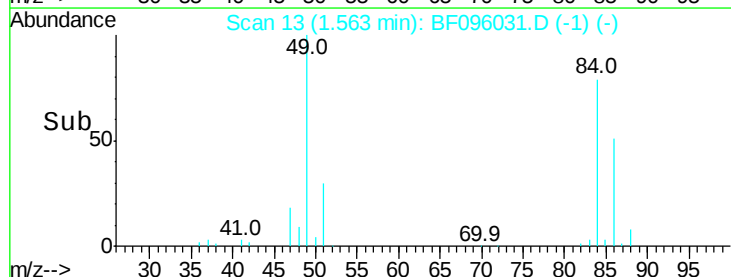
43 6.0 23.4 35.0#

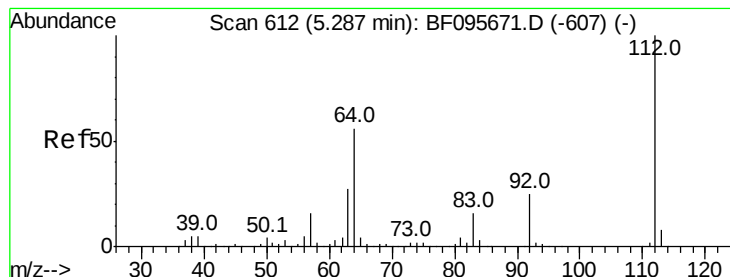


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

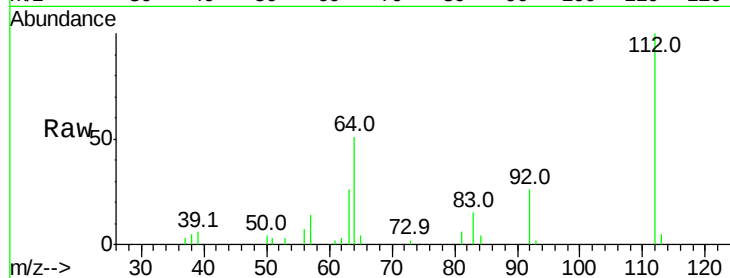




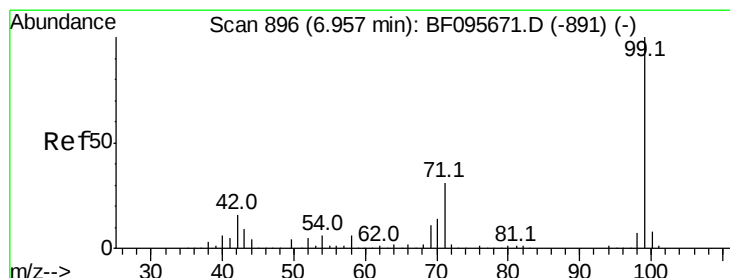
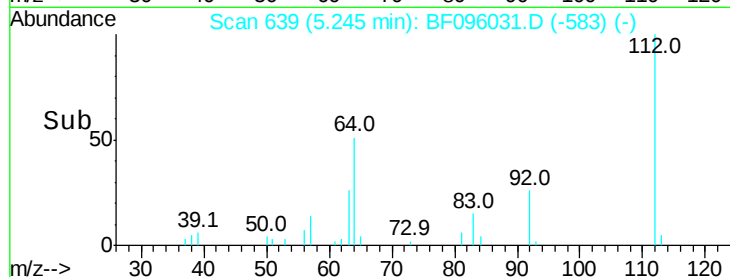
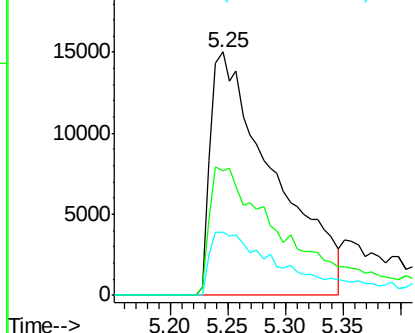
#5
 2-Fluorophenol
 Concen: 11.41 ng
 RT: 5.25 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 112 Resp: 57128
 Ion Ratio Lower Upper
 112 100
 64 51.4 46.0 69.0
 63 25.7 23.4 35.0

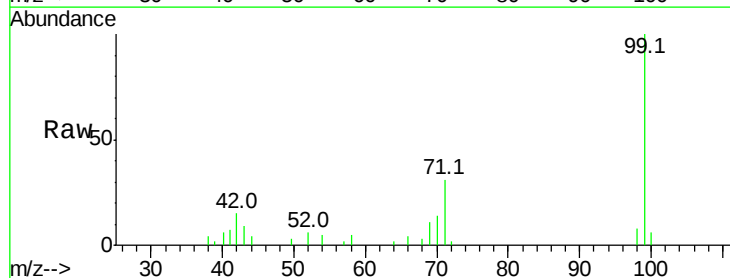


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

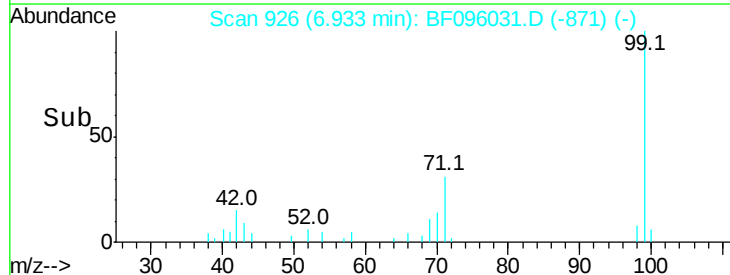
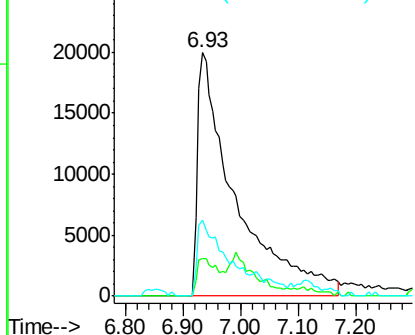


#7
 Phenol-d6
 Concen: 15.33 ng
 RT: 6.93 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

Tgt Ion: 99 Resp: 91889
 Ion Ratio Lower Upper
 99 100
 42 15.3 13.5 20.3
 71 31.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
 Ion 42.00 (41.70 to 42.70): BF0
 Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.34 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 296272

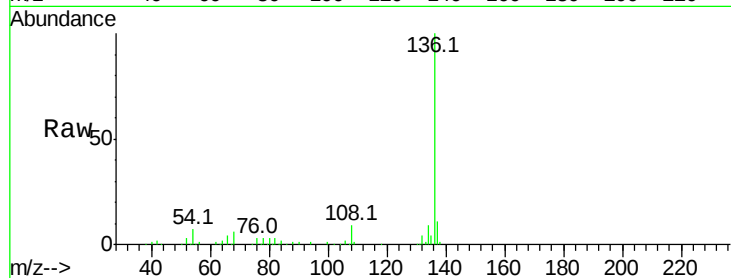
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.7 4.9 7.3

68 5.9 4.1 6.1

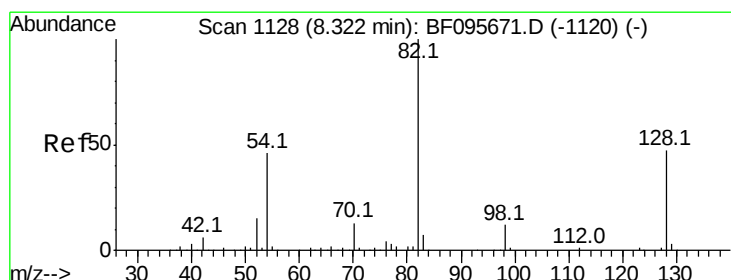
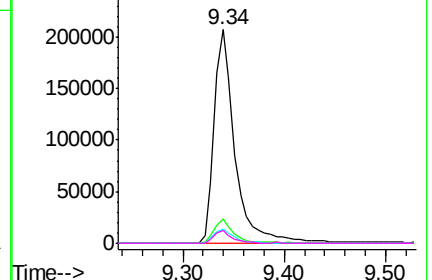
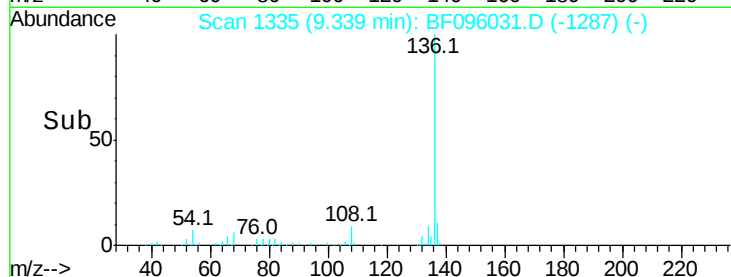


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.65 ng

RT: 8.25 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

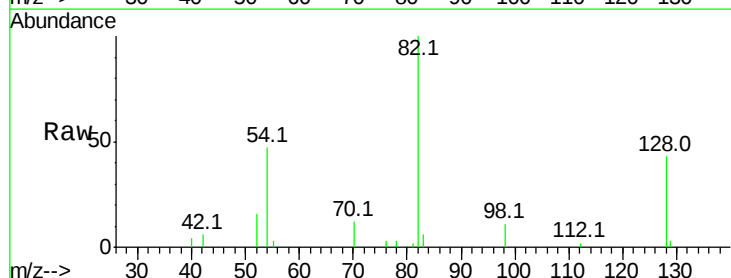
Tgt Ion: 82 Resp: 46048

Ion Ratio Lower Upper

82 100

128 43.3 34.0 51.0

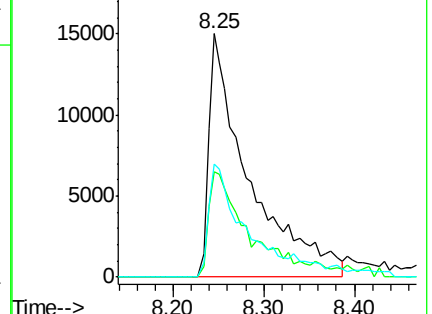
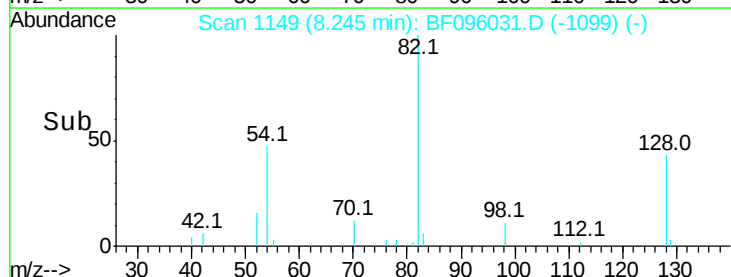
54 46.6 42.2 63.2



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: 12.16 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

Instrument :

BNA_F

ClientSampleId :

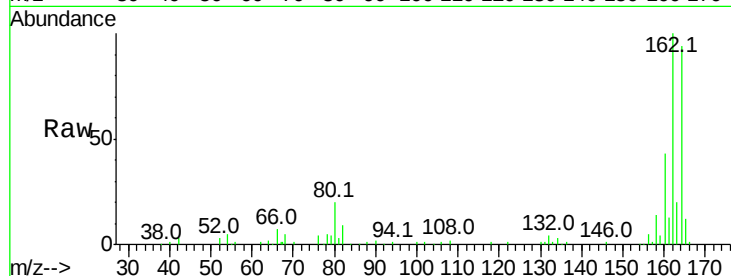
Tot Ion:164 Resp: 111006

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

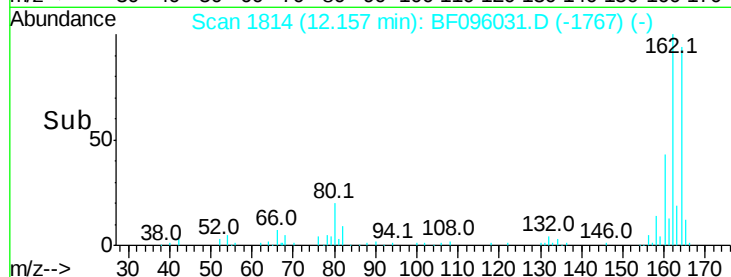
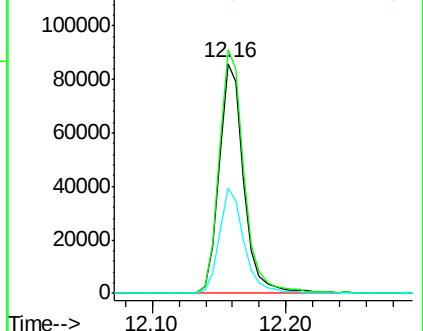
160 45.6 36.2 54.2



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: 13.46 ng

RT: 13.47 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

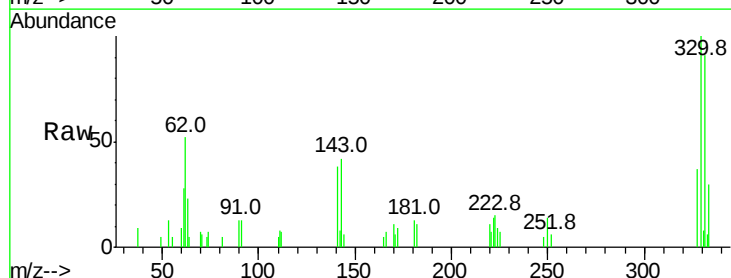
Tgt Ion:330 Resp: 13222

Ion Ratio Lower Upper

330 100

332 94.4 76.6 115.0

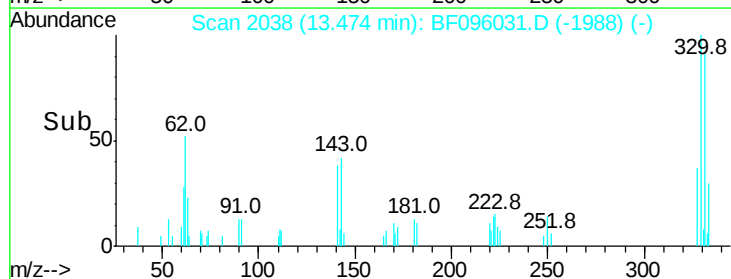
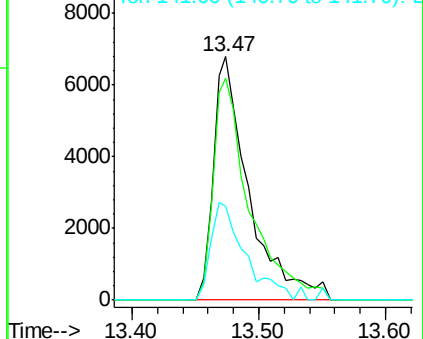
141 39.7 31.4 47.2

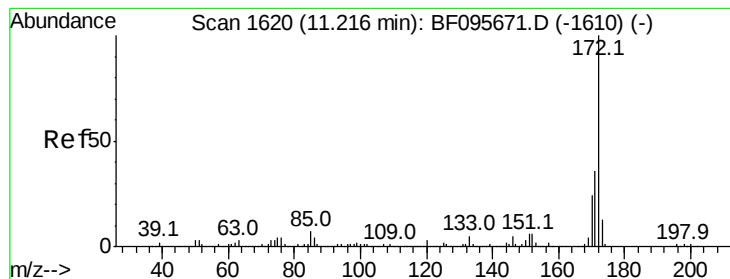


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 13.46 ng

RT: 11.12 min Scan# 1637

Delta R.T. -0.02 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

Instrument :

BNA_F

ClientSampleId :

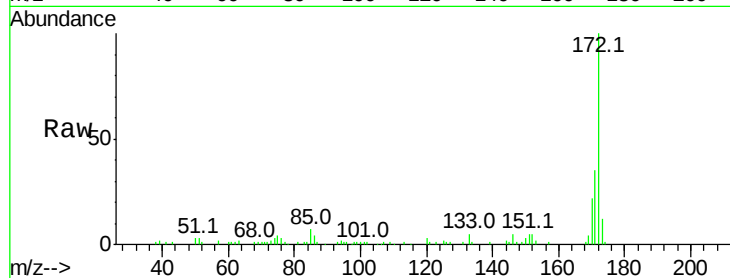
Tot Ion:172 Resp: 107376

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

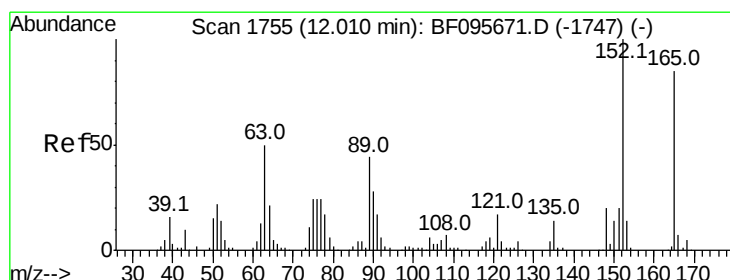
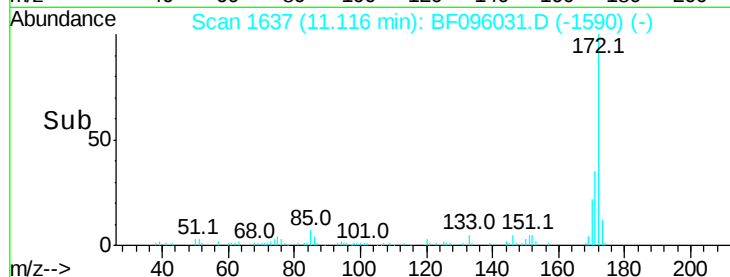
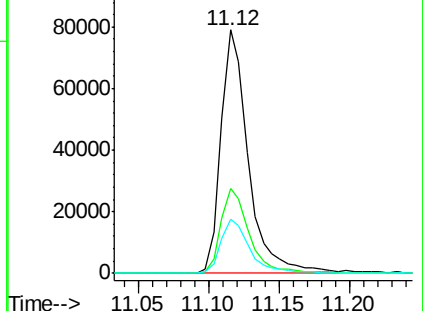
170 22.2 19.8 29.8



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



#50

2,6-Dinitrotoluene

Concen: 7.48 ng

RT: 12.16 min Scan# 1814

Delta R.T. 0.21 min

Lab File: BF096031.D

Acq: 20 Jun 2017 6:52

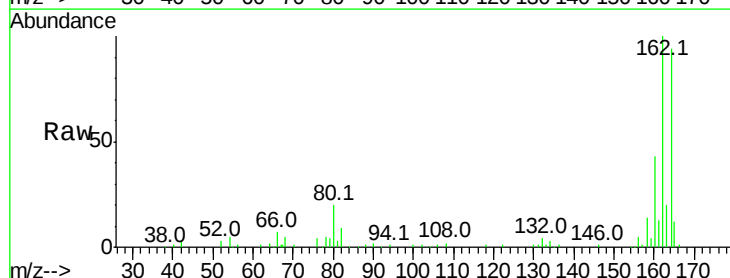
Tgt Ion:165 Resp: 13757

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

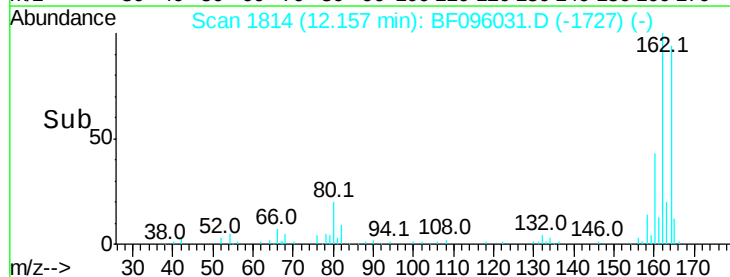
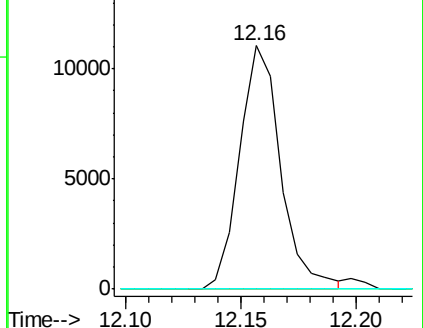
89 0.0 37.1 55.7#

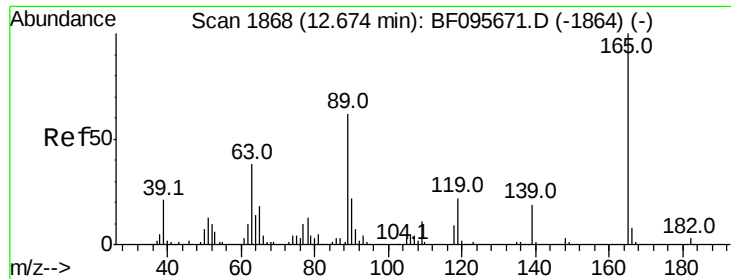


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

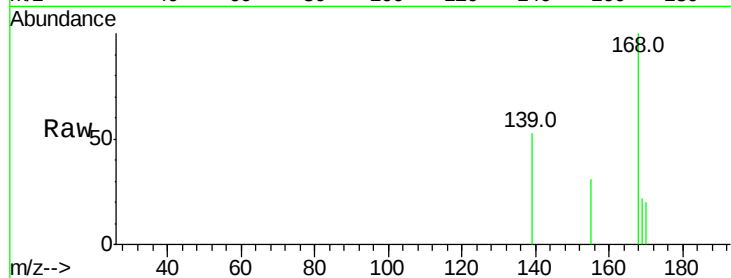




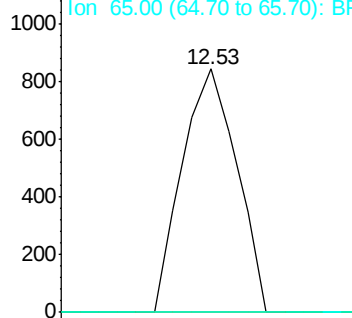
#55
4-Nitrophenol
Concen: 5.38 ng
RT: 12.53 min Scan# 1877
Delta R.T. -0.12 min
Lab File: BF096031.D
Acq: 20 Jun 2017 6:52

Instrument :
BNA_F
ClientSampleId :

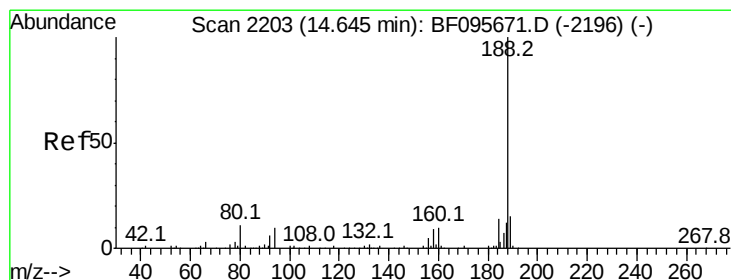
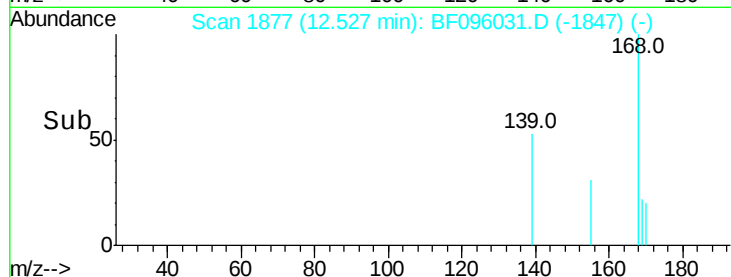
Tot Ion:139 Resp: 1005
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



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

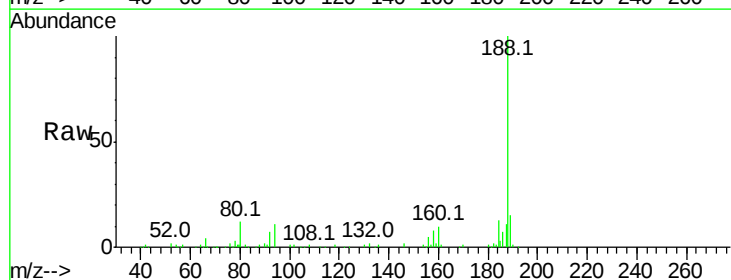


Time-->

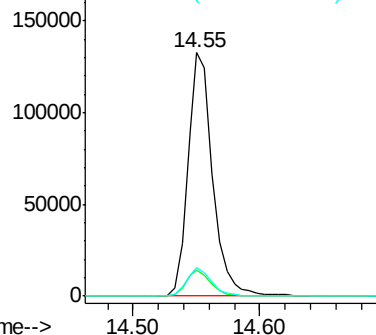


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096031.D
Acq: 20 Jun 2017 6:52

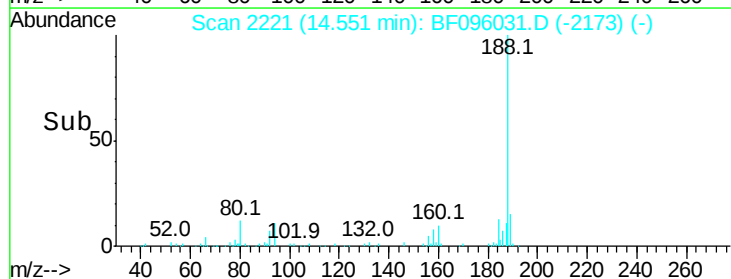
Tgt Ion:188 Resp: 179807
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 12.0 10.2 15.2

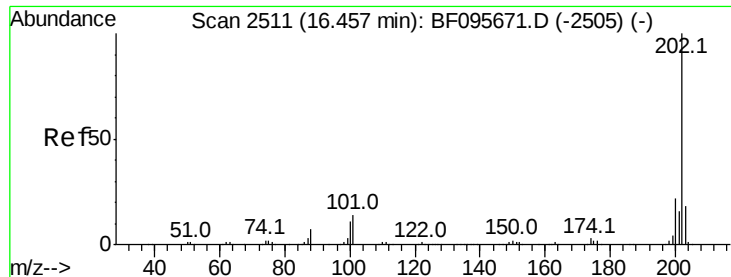


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->

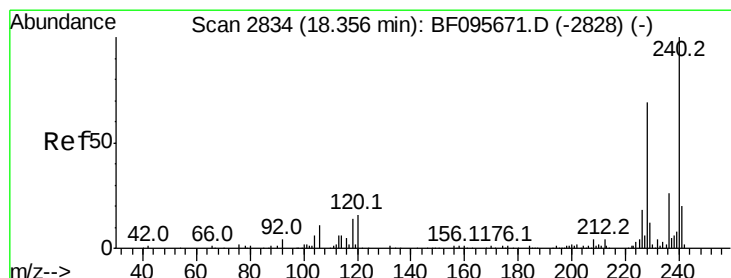
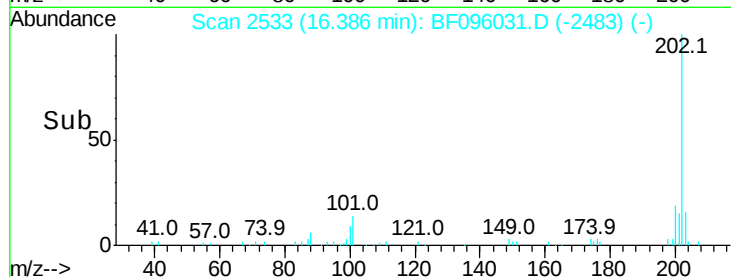
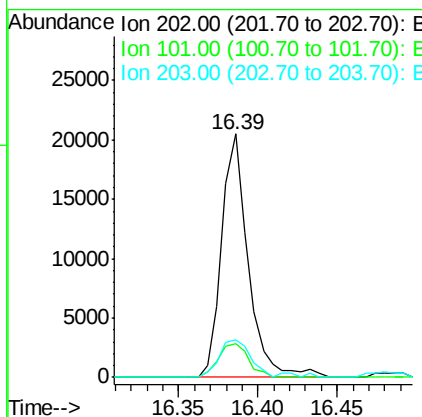
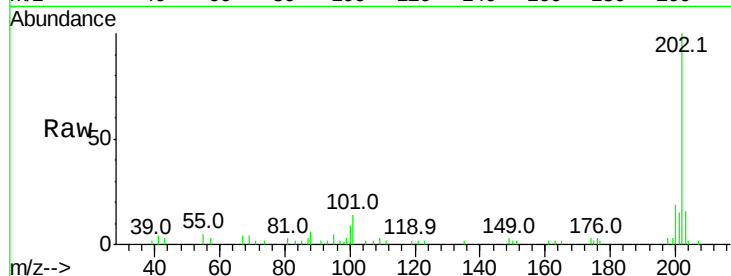




#74
 Fluoranthene
 Concen: 2.31 ng
 RT: 16.39 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

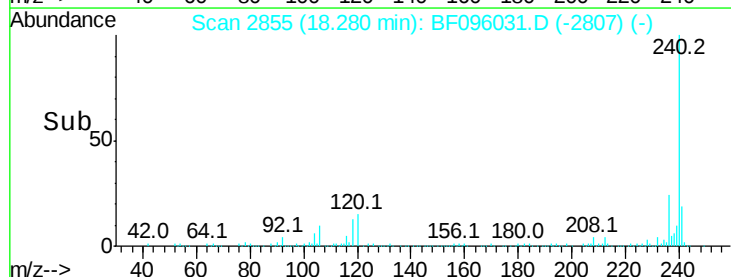
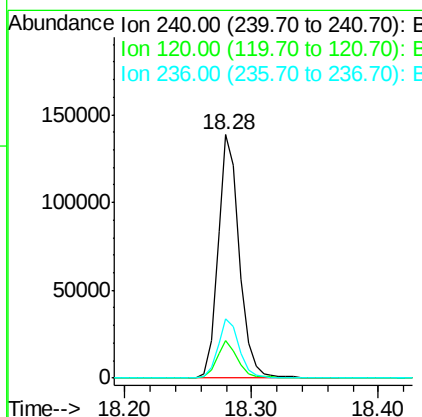
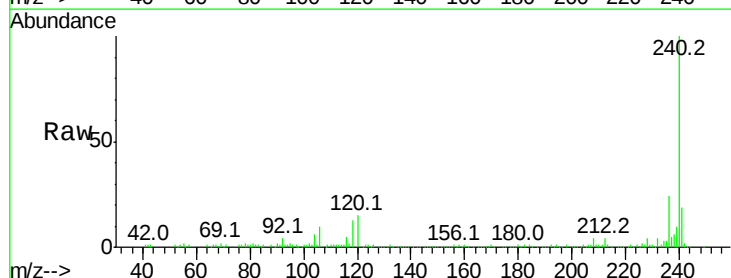
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:202 Resp: 23763
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 33.2
 203 15.5 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.28 min Scan# 2855
 Delta R.T. -0.02 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

Tgt Ion:240 Resp: 161490
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 24.1 20.5 30.7

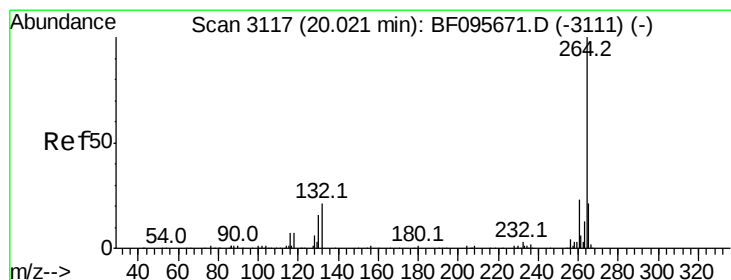
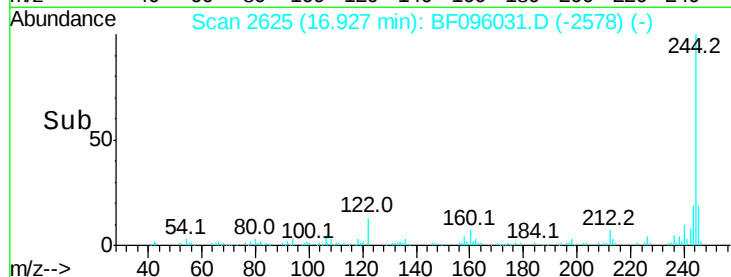
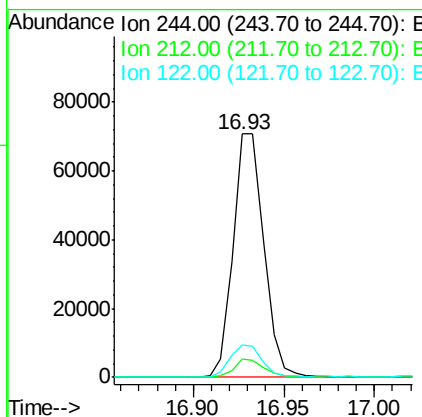
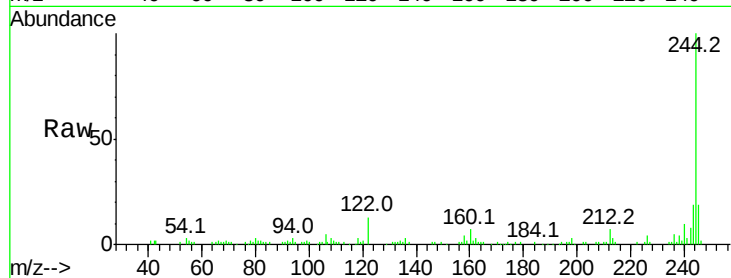




#78
 Terphenyl-d14
 Concen: 12.84 ng
 RT: 16.93 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

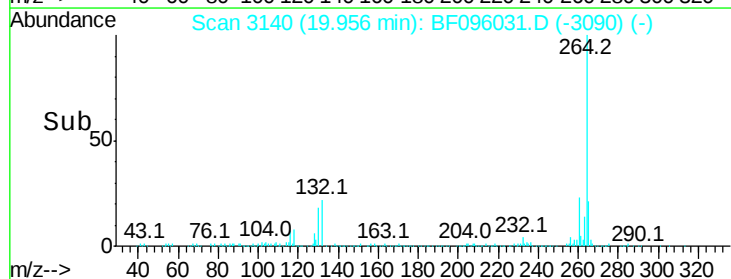
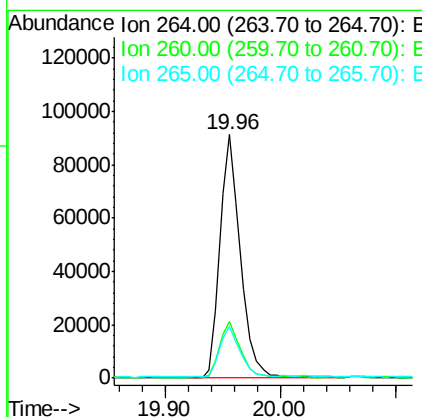
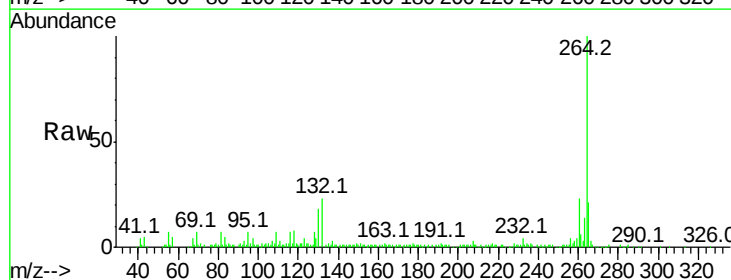
Instrument :
 BNA_F
 ClientSampled :

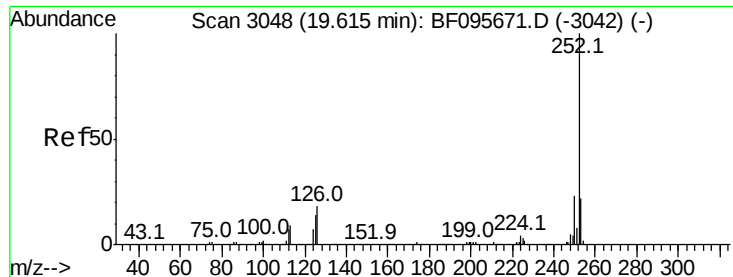
Tot Ion:244 Resp: 83525
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.5 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.96 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BF096031.D
 Acq: 20 Jun 2017 6:52

Tgt Ion:264 Resp: 112669
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.4 17.2 25.8

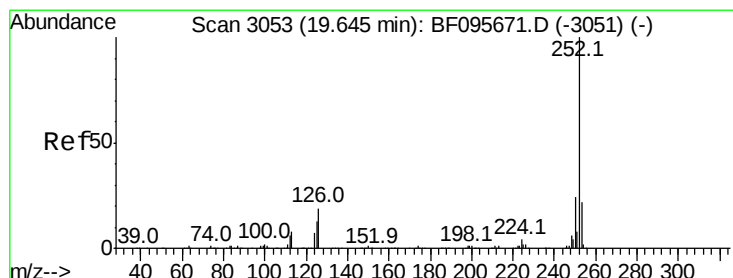
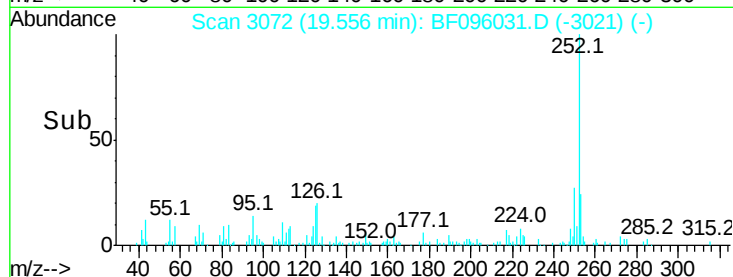
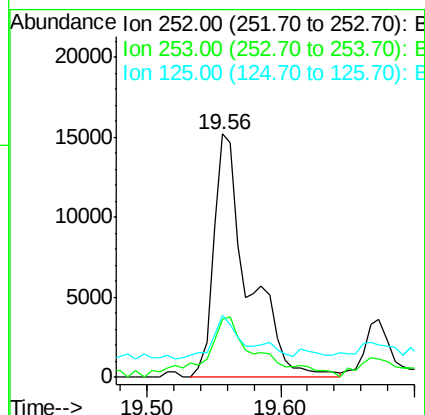
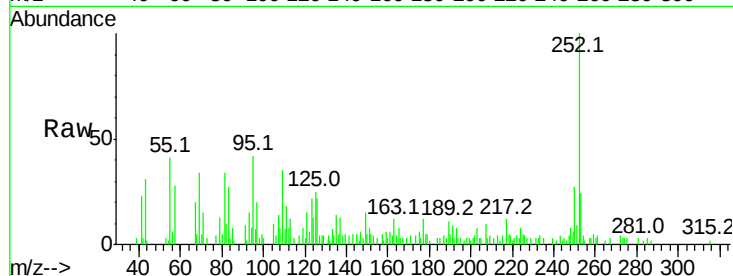




#87
Benzo(b)fluoranthene
Concen: 3.89 ng
RT: 19.56 min Scan# 3072
Delta R.T. 0.00 min
Lab File: BF096031.D
Acq: 20 Jun 2017 6:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	25.2	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.07 ng
RT: 19.56 min Scan# 3072
Delta R.T. -0.04 min
Lab File: BF096031.D
Acq: 20 Jun 2017 6:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	25.2	13.1	19.7

