

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096122.D
 Acq On : 22 Jun 2017 15:12
 Operator : SJ/MA
 Sample : I3697-05RE 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 16:24:34 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

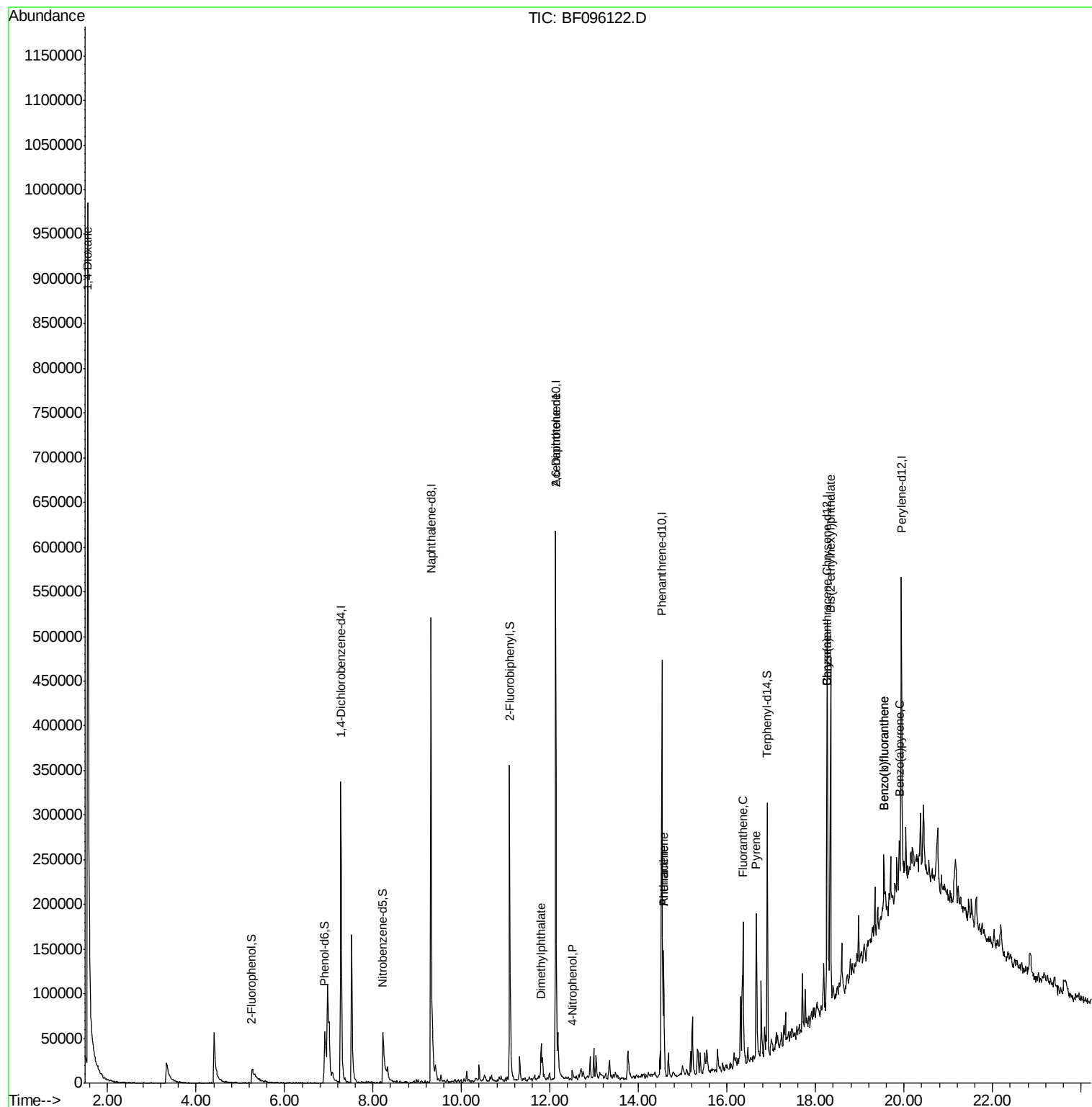
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	90848	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	432861	20.00	ng	-0.02
38) Acenaphthene-d10	12.13	164	186737	20.00	ng	-0.02
63) Phenanthrene-d10	14.53	188	252417	20.00	ng	-0.01
75) Chrysene-d12	18.26	240	172625	20.00	ng	-0.01
86) Perylene-d12	19.94	264	159589	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	19256	3.38	ng	0.08
7) Phenol-d6	6.91	99	100393	14.71	ng	0.04
23) Nitrobenzene-d5	8.22	82	74427	10.68	ng	0.00
41) 2,4,6-Tribromophenol	13.49	330	1124	0.68	ng	0.04
44) 2-Fluorobiphenyl	11.09	172	183226	13.65	ng	-0.02
78) Terphenyl-d14	16.91	244	102359	14.72	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.55	88	45847	16.90	ng	Qvalue # 22
49) Dimethylphthalate	11.80	163	33111	2.34	ng	99
50) 2,6-Dinitrotoluene	12.13	165	23849	7.71	ng	# 33
55) 4-Nitrophenol	12.50	139	3172	6.05	ng	# 25
70) Phenanthrene	14.56	178	96029	6.59	ng	99
71) Anthracene	14.56	178	96029	6.32	ng	99
74) Fluoranthene	16.36	202	89285	6.19	ng	98
77) Pyrene	16.66	202	79728	6.19	ng	95
80) Benzo(a)anthracene	18.25	228	29988	2.99	ng	97
82) Chrysene	18.25	228	29988	2.99	ng	95
83) Bis(2-ethylhexyl)phthalate	18.34	149	139125	17.53	ng	# 99
87) Benzo(b)fluoranthene	19.54	252	34586	3.46	ng	# 82
88) Benzo(k)fluoranthene	19.54	252	34586	3.62	ng	# 87
89) Benzo(a)pyrene	19.89	252	21386	2.33	ng	# 80

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
Data File : BF096122.D
Acq On : 22 Jun 2017 15:12
Operator : SJ/MA
Sample : I3697-05RE 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 16:24:34 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



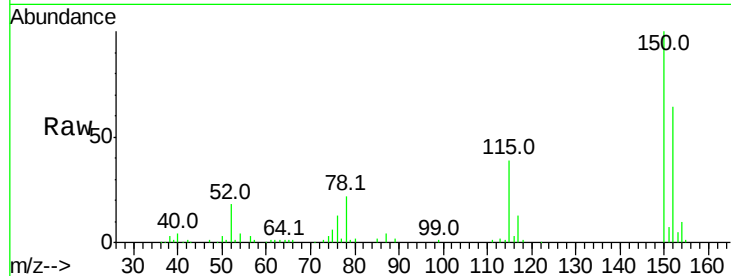


#1

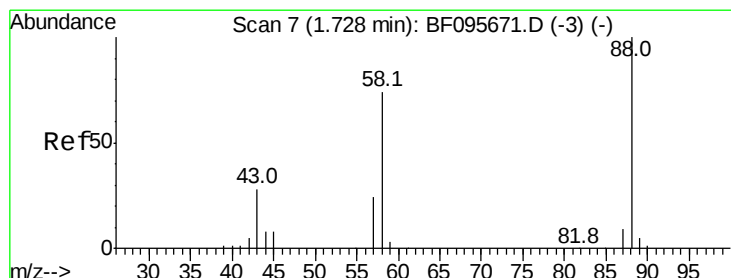
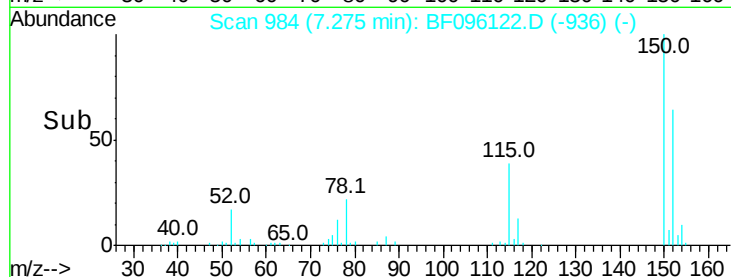
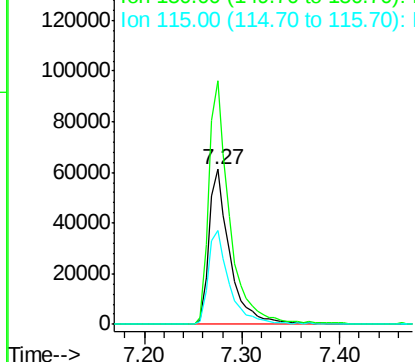
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90848
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 60.8 52.2 78.2



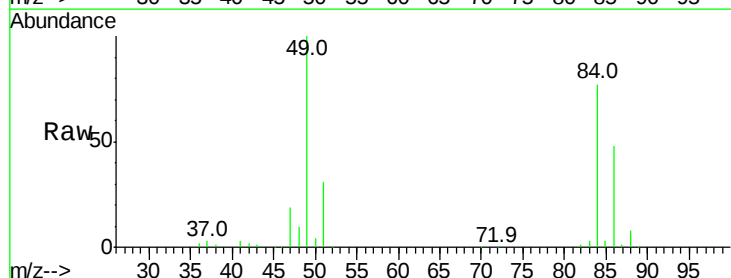
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



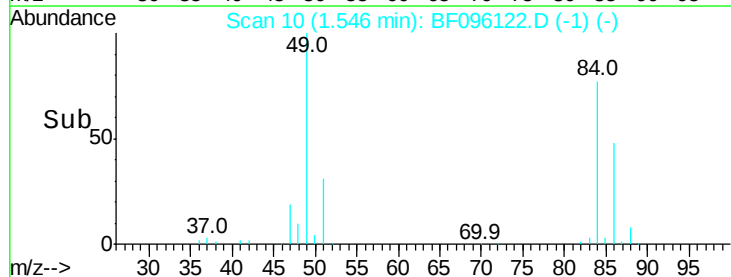
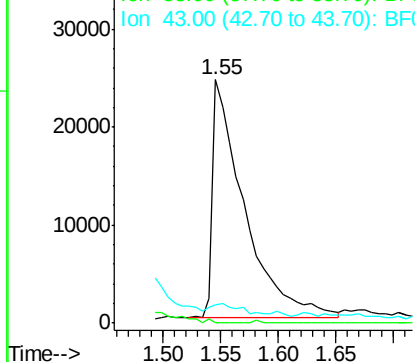
#2

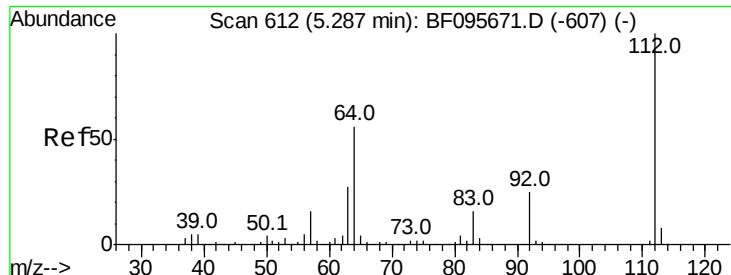
1,4-Dioxane
Concen: 16.90 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Tgt Ion: 88 Resp: 45847
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 3.6 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: 3.38 ng

RT: 5.26 min Scan# 642

Delta R.T. 0.08 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

Instrument :

BNA_F

ClientSampled :

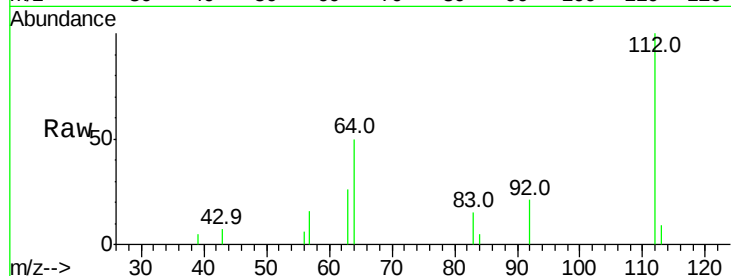
Tot Ion: 112 Resp: 19256

Ion Ratio Lower Upper

112 100

64 50.4 46.0 69.0

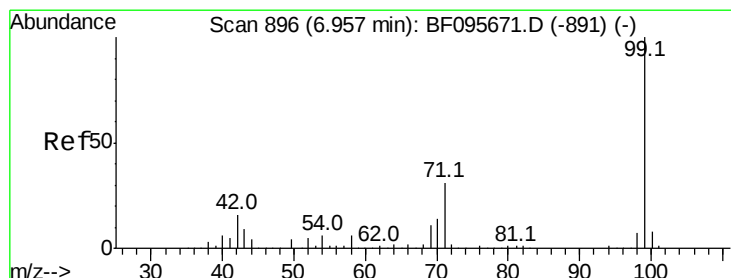
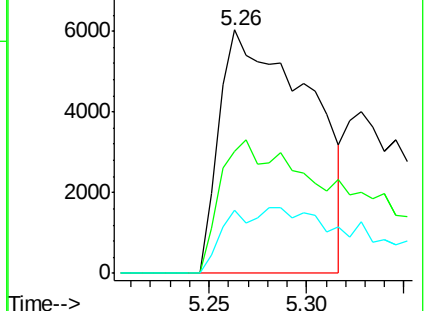
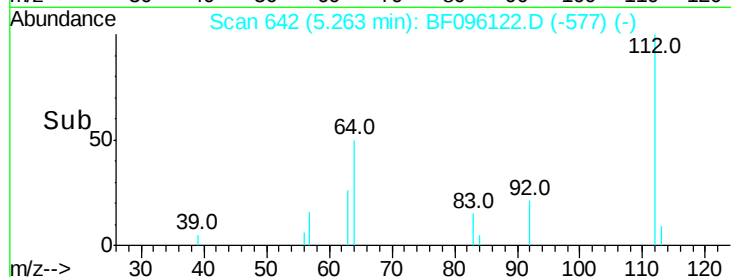
63 25.8 23.4 35.0



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: 14.71 ng

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

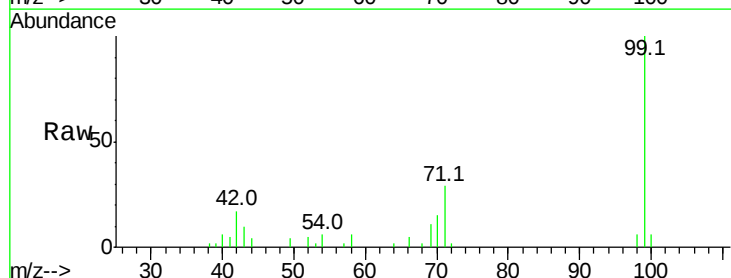
Tgt Ion: 99 Resp: 100393

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

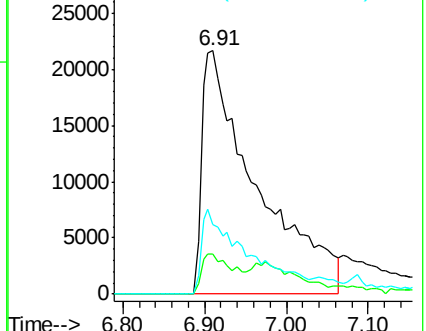
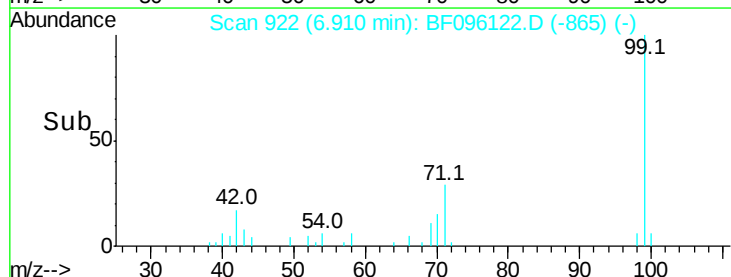
71 28.6 24.5 36.7



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: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 432861

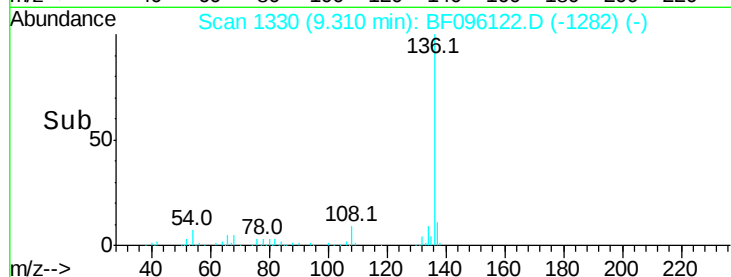
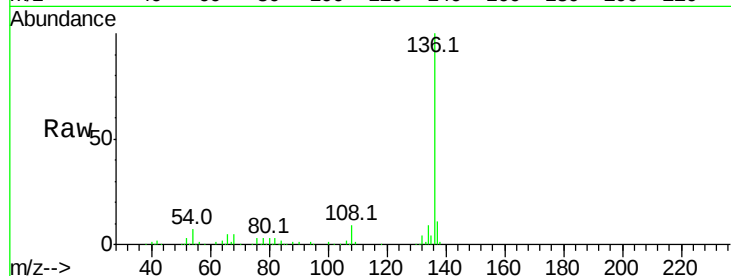
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

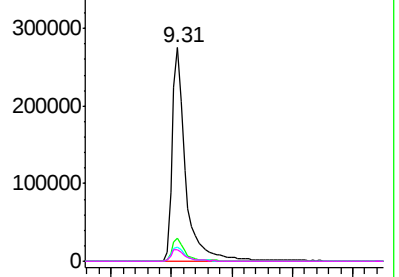


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.68 ng

RT: 8.22 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

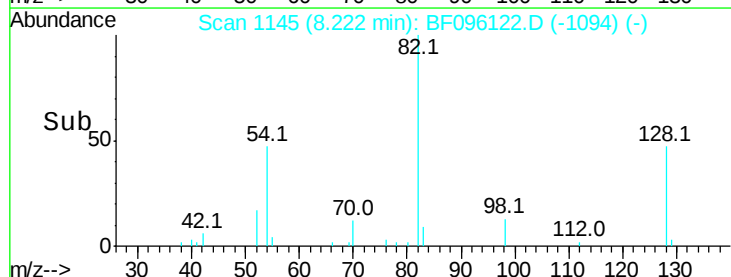
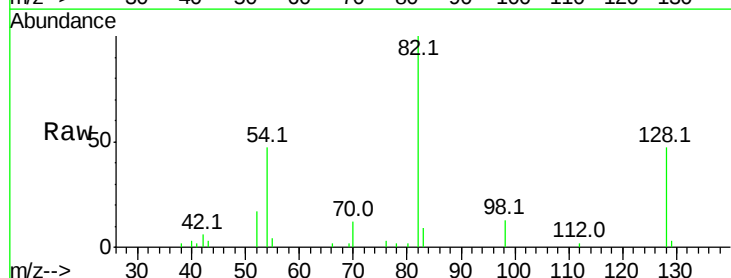
Tgt Ion: 82 Resp: 74427

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

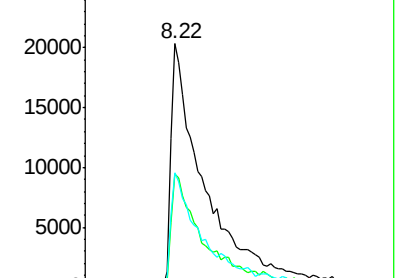
54 47.1 42.2 63.2



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: 12.13 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

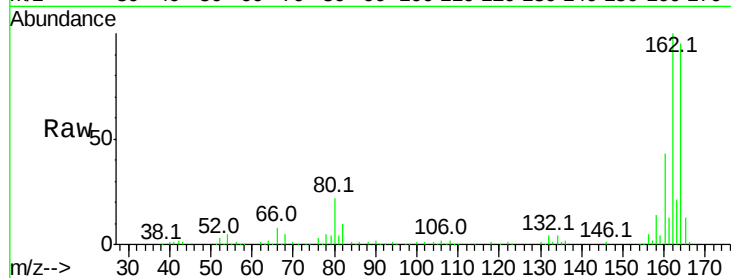
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 186737

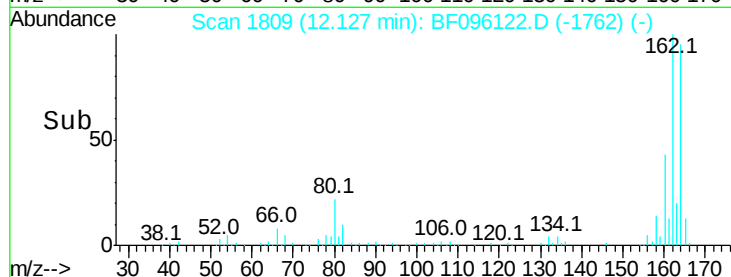
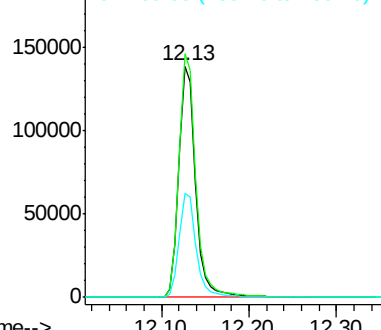
Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.1	36.2	54.2



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: 0.68 ng

RT: 13.49 min Scan# 2040

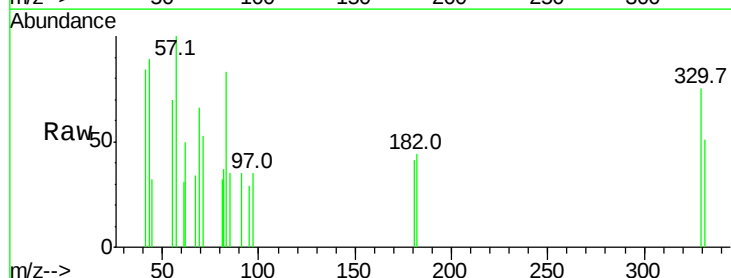
Delta R.T. 0.04 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

Tgt Ion:330 Resp: 1124

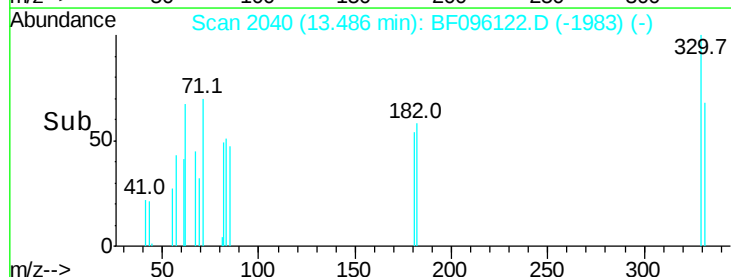
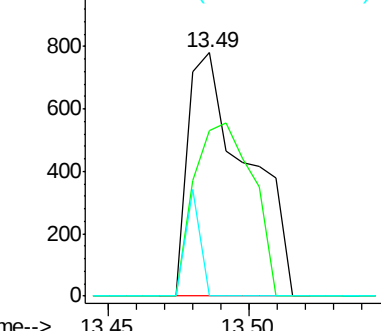
Ion	Ratio	Lower	Upper
330	100		
332	70.6	76.6	115.0#
141	10.8	31.4	47.2#



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

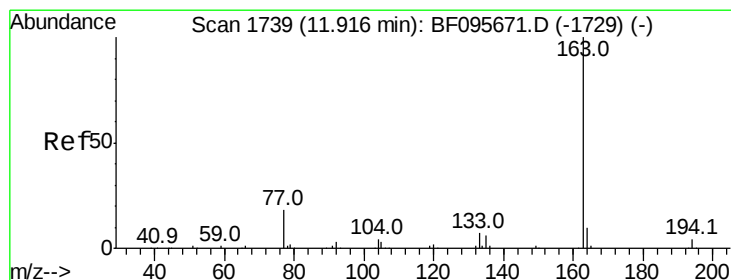
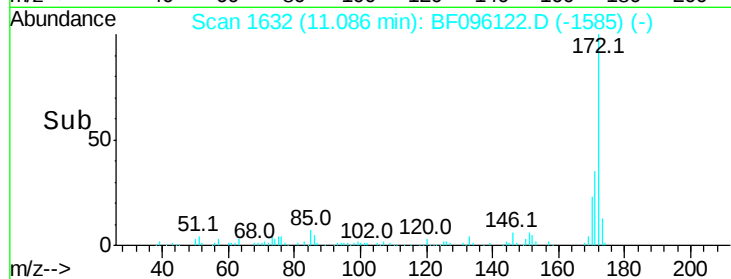
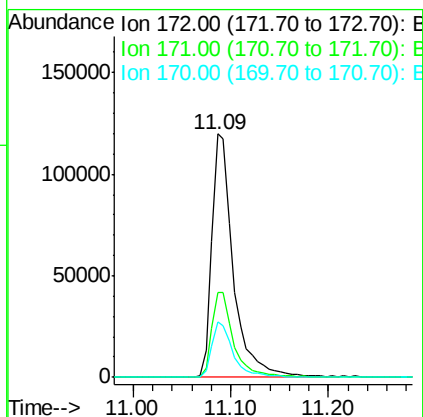
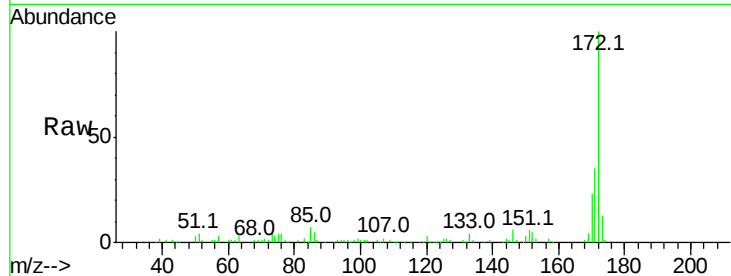




#44
2-Fluorobiphenyl
Concen: 13.65 ng
RT: 11.09 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

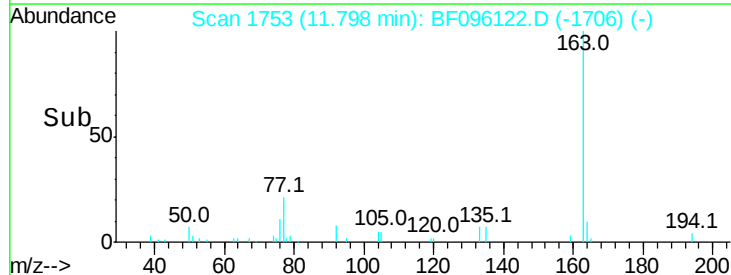
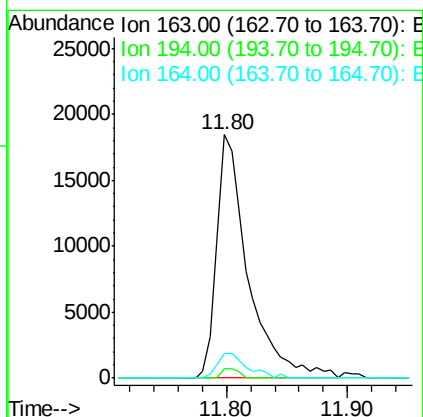
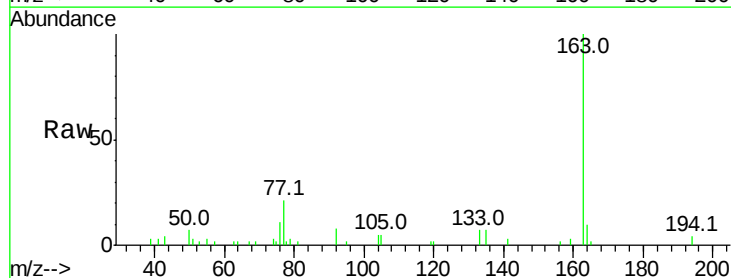
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 183226
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 2.34 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Tgt Ion:163 Resp: 33111
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.0 8.4 12.6

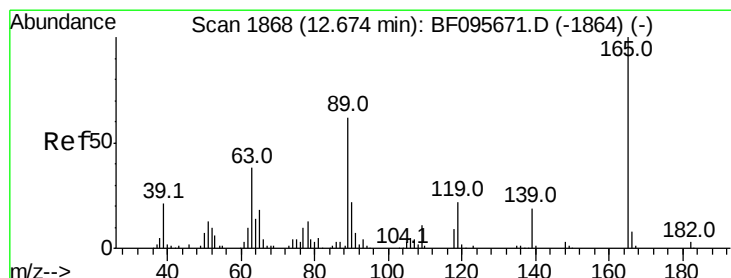
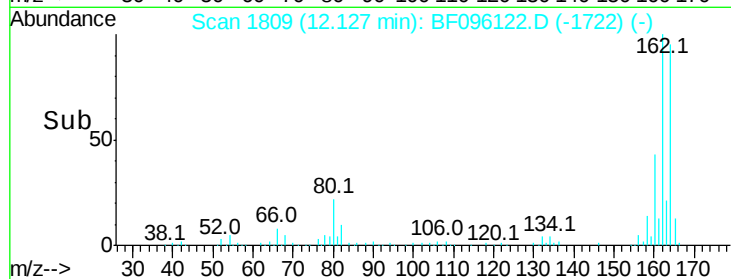
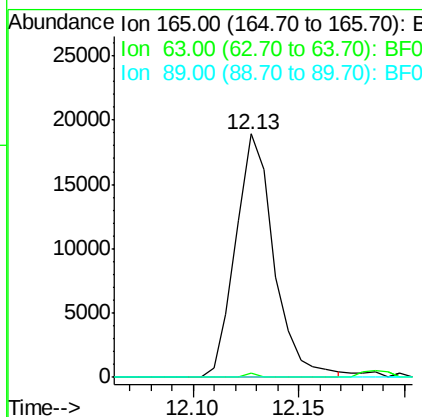
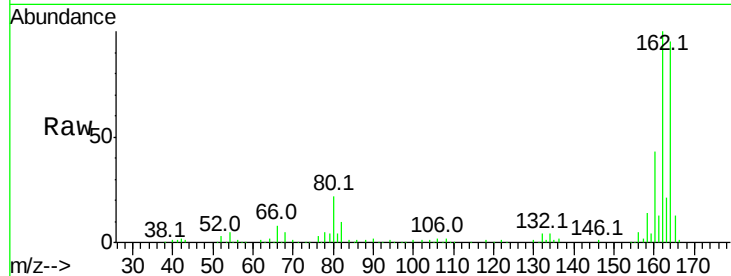




#50
 2,6-Dinitrotoluene
 Concen: 7.71 ng
 RT: 12.13 min Scan# 1809
 Delta R.T. 0.21 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

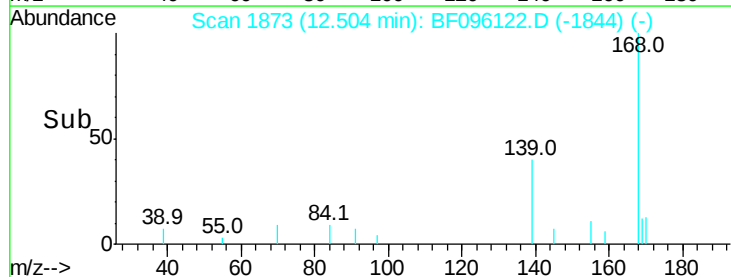
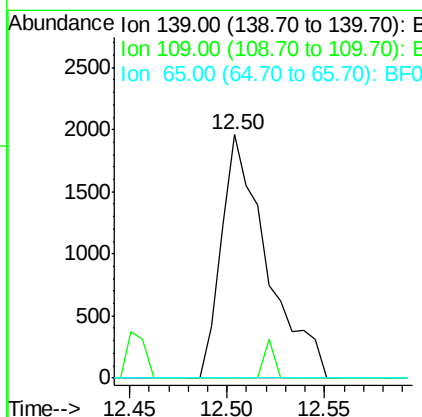
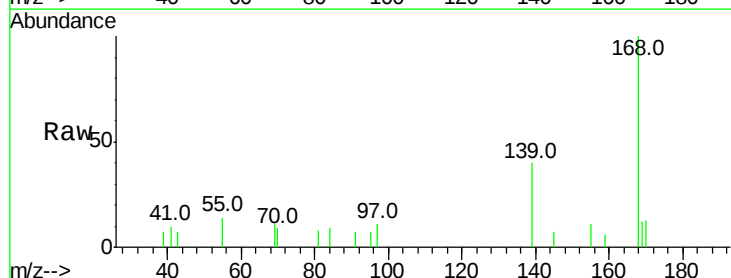
Instrument :
 BNA_F
 ClientSampleId :

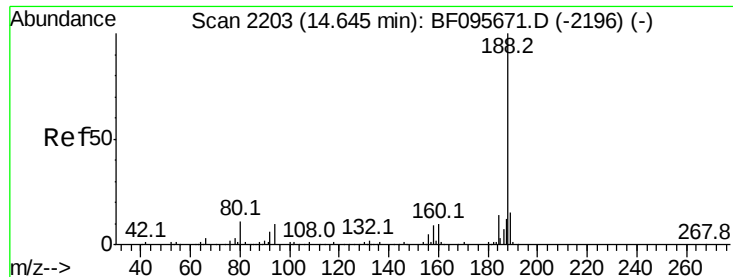
Tot Ion:165 Resp: 23849
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 0.0 37.1 55.7#



#55
 4-Nitrophenol
 Concen: 6.05 ng
 RT: 12.50 min Scan# 1873
 Delta R.T. -0.13 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

Tgt Ion:139 Resp: 3172
 Ion Ratio Lower Upper
 139 100
 109 0.0 34.1 74.1#
 65 0.0 31.4 71.4#

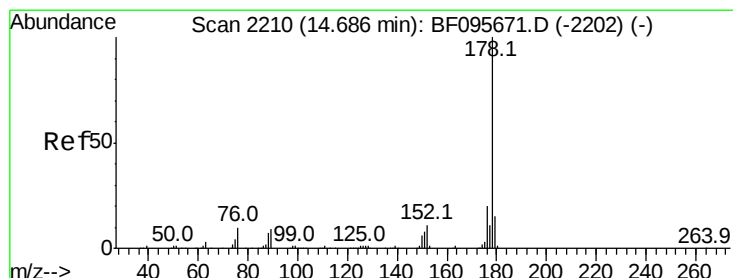
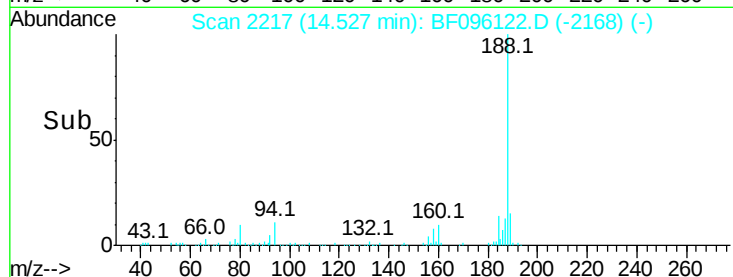
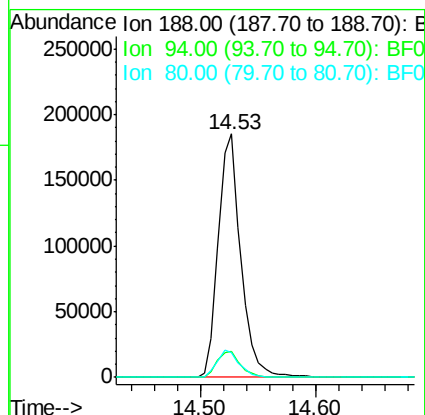
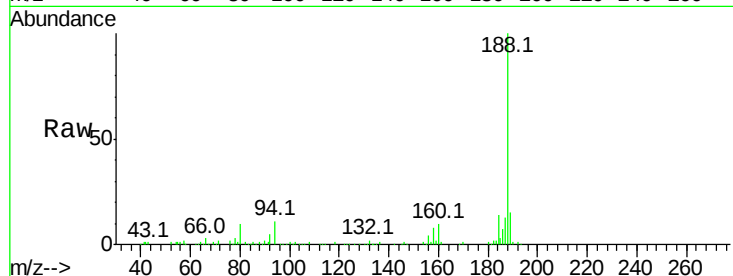




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

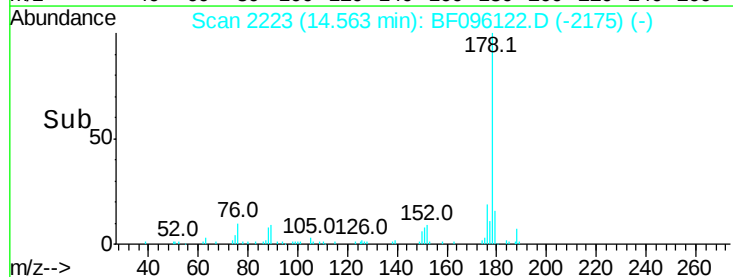
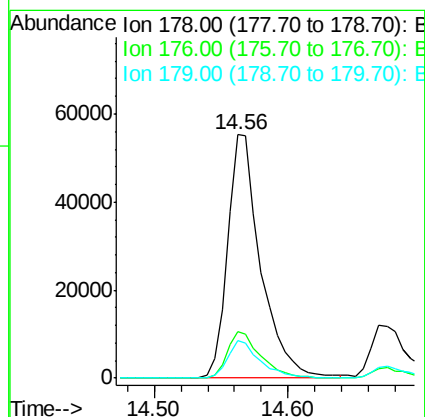
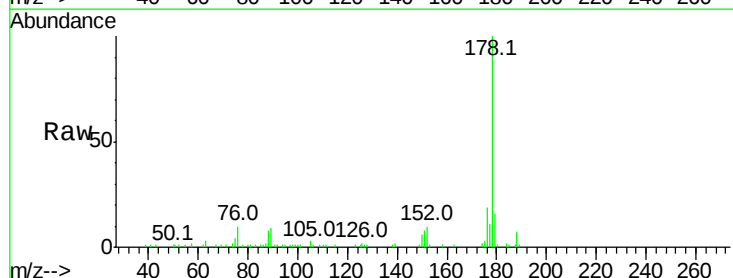
Instrument :
BNA_F
ClientSampled :

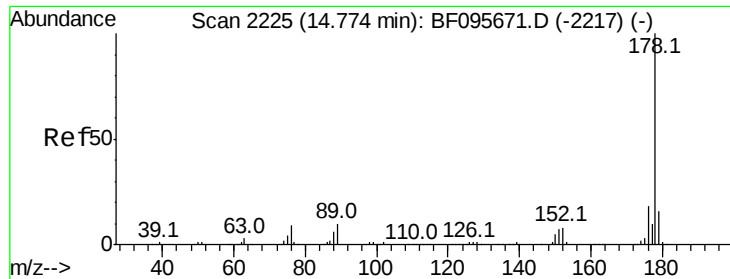
Tot Ion:188 Resp: 252417
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 10.3 10.2 15.2



#70
Phenanthrene
Concen: 6.59 ng
RT: 14.56 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Tgt Ion:178 Resp: 96029
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.5 12.6 19.0

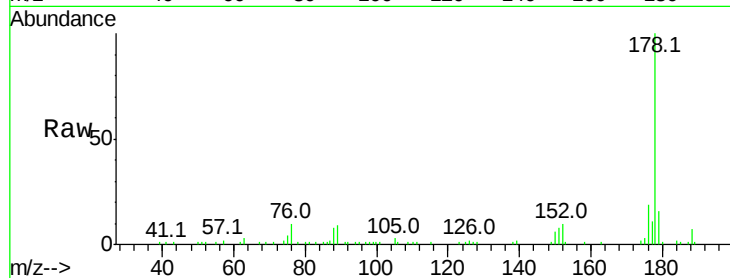




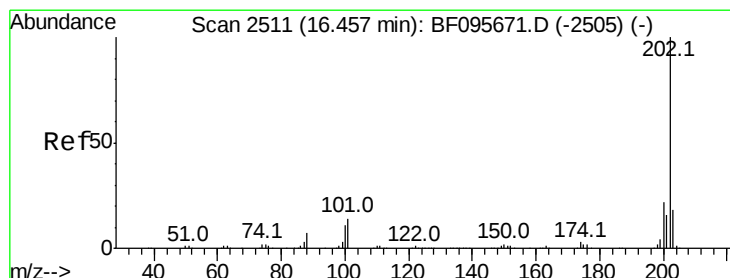
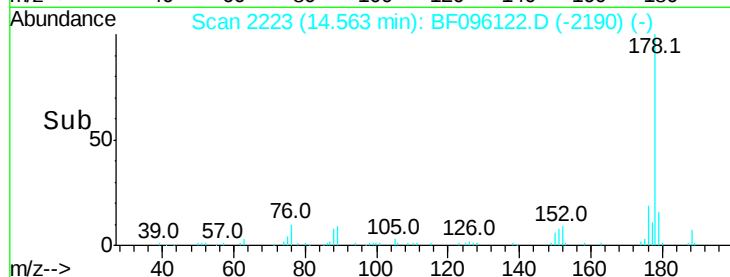
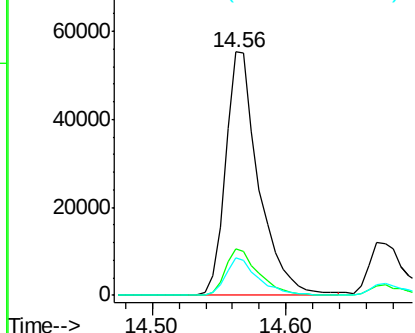
#71
 Anthracene
 Concen: 6.32 ng
 RT: 14.56 min Scan# 2223
 Delta R.T. -0.11 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 96029
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.5 12.7 19.1

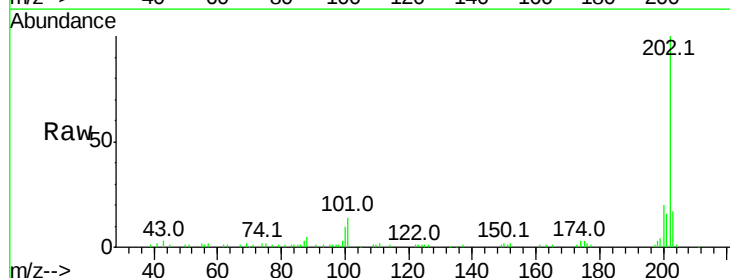


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

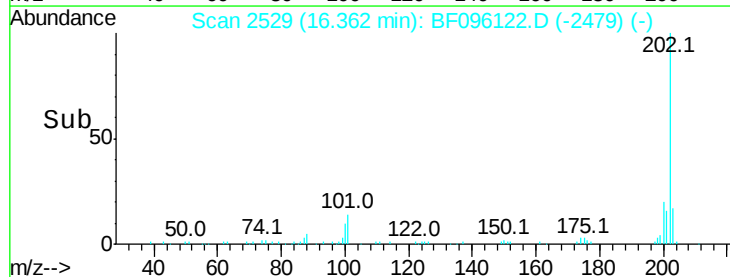
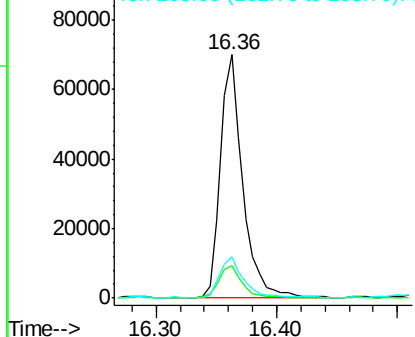


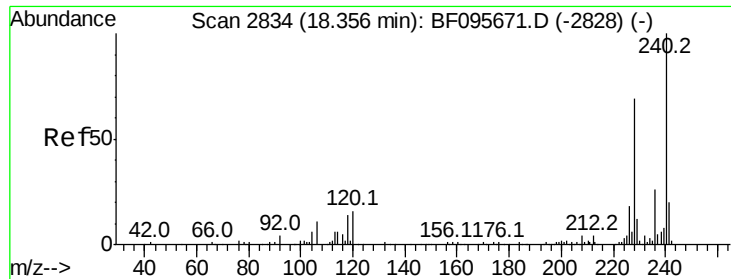
#74
 Fluoranthene
 Concen: 6.19 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

Tgt Ion:202 Resp: 89285
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 33.2
 203 16.8 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

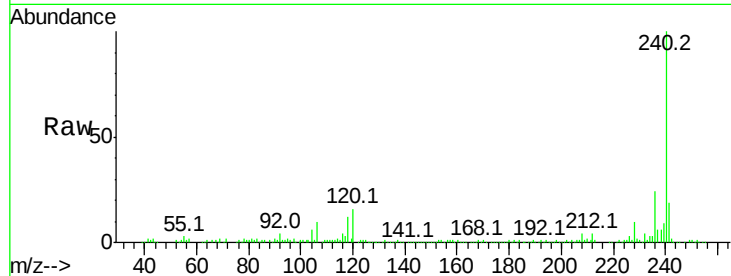




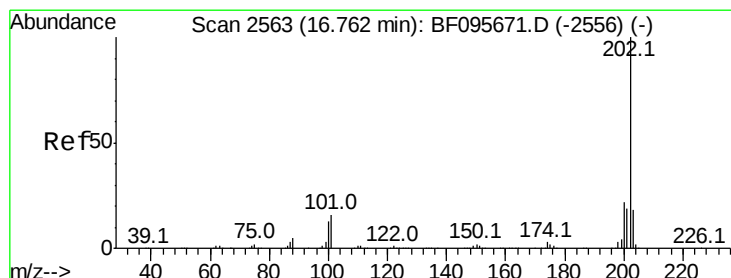
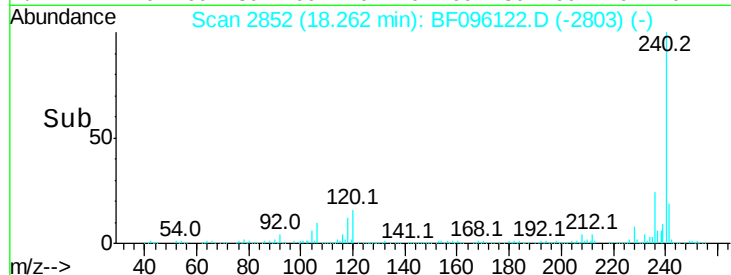
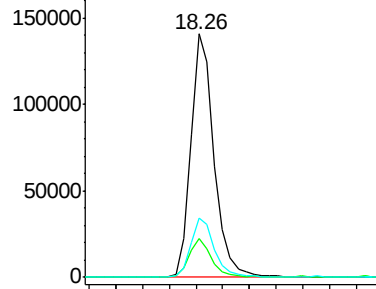
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.26 min Scan# 2852
Delta R.T. -0.01 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 172625
Ion Ratio Lower Upper
240 100
120 15.7 5.8 8.8#
236 24.5 20.5 30.7

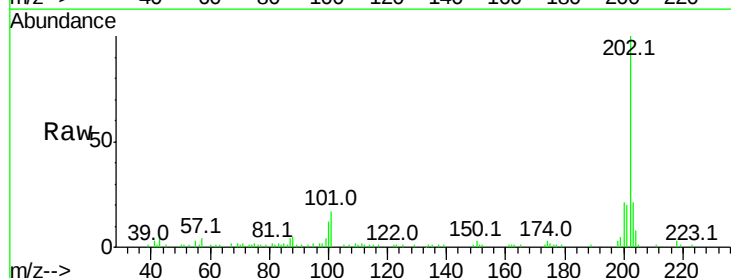


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

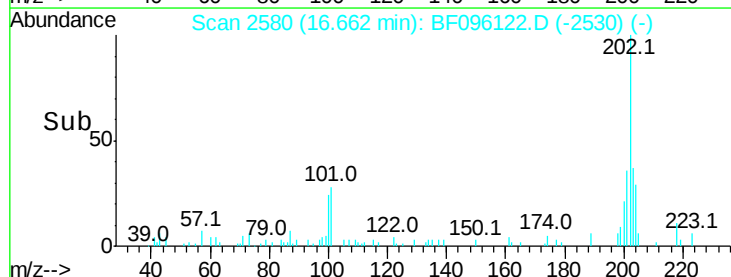
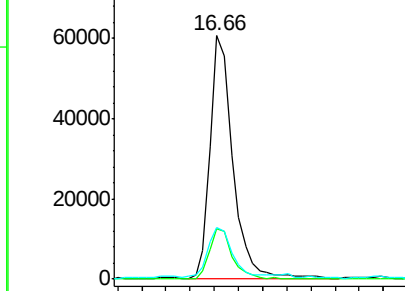


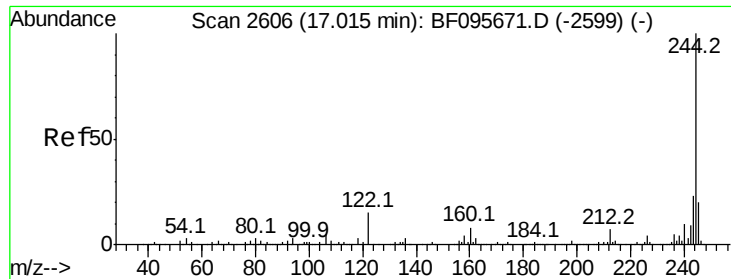
#77
Pyrene
Concen: 6.19 ng
RT: 16.66 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Tgt Ion:202 Resp: 79728
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 21.3 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

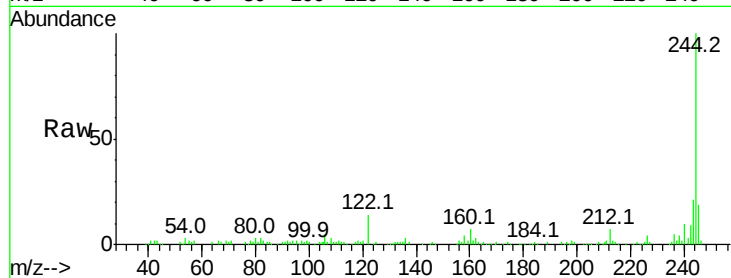




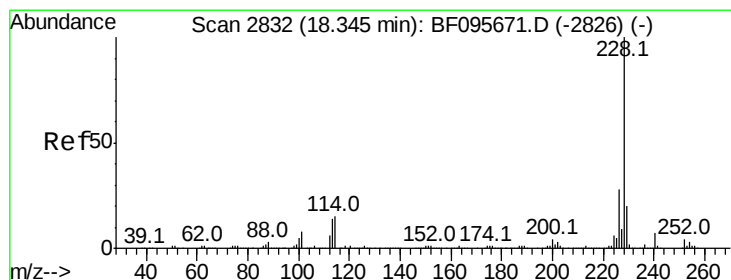
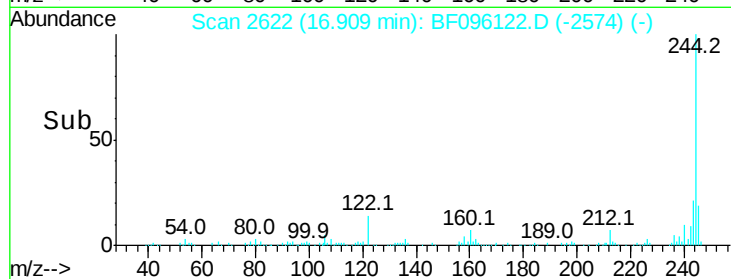
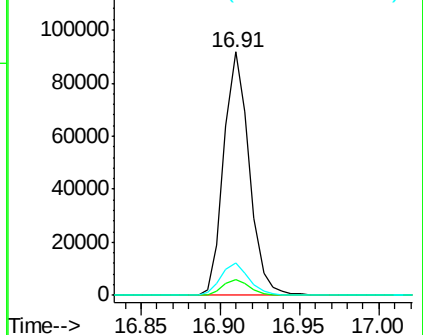
#78
 Terphenyl-d14
 Concen: 14.72 ng
 RT: 16.91 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 102359
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.6 10.3 15.5

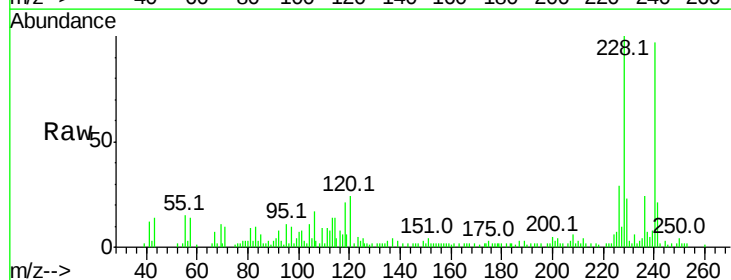


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

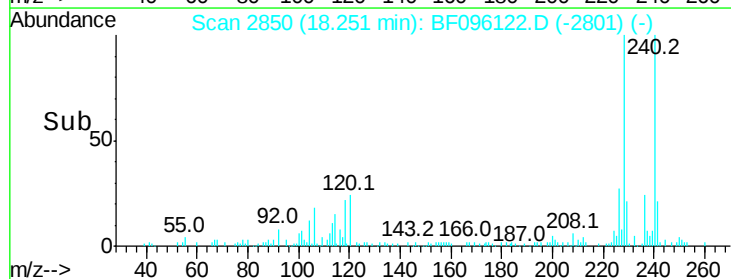
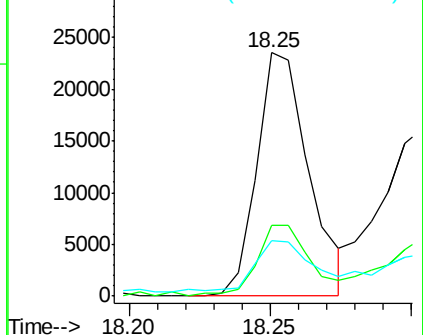


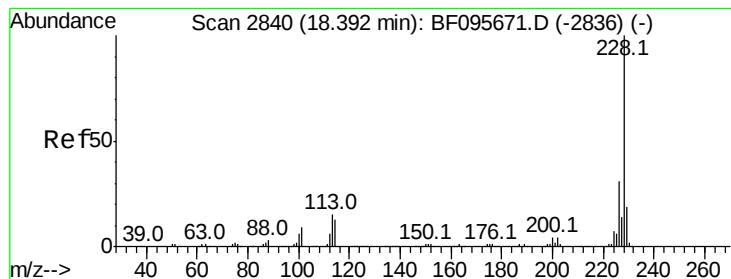
#80
 Benzo(a)anthracene
 Concen: 2.99 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF096122.D
 Acq: 22 Jun 2017 15:12

Tgt Ion:228 Resp: 29988
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 22.8 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: 2.99 ng

RT: 18.25 min Scan# 2850

Delta R.T. -0.06 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

Instrument :

BNA_F

ClientSampleId :

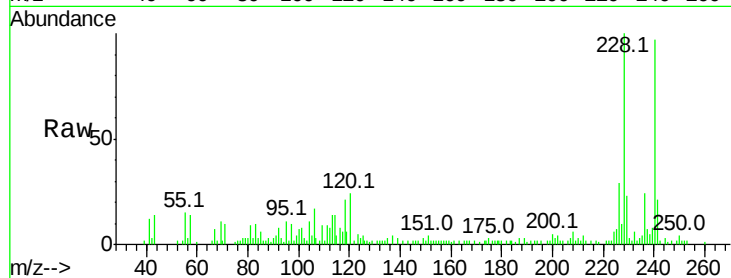
Tot Ion:228 Resp: 29988

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

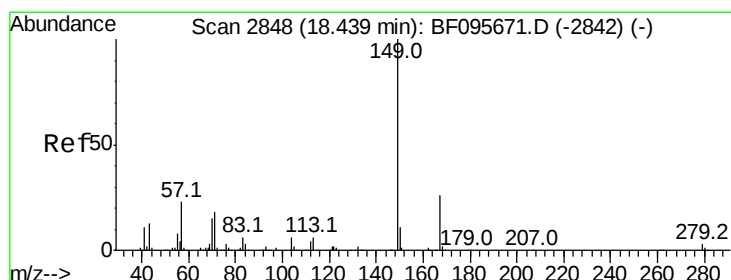
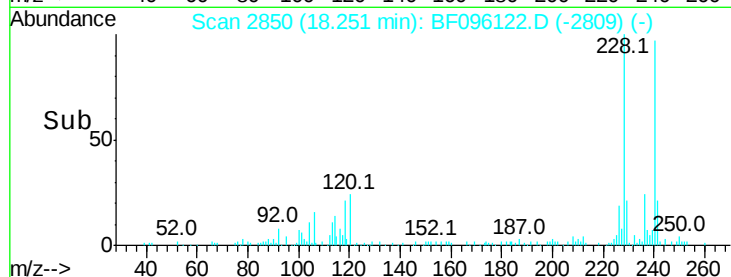
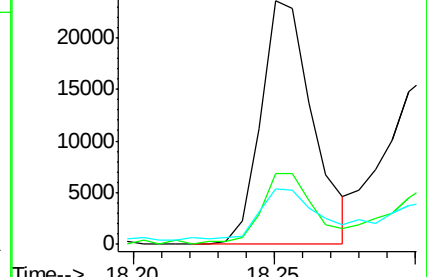
229 22.8 15.8 23.6



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: 17.53 ng

RT: 18.34 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

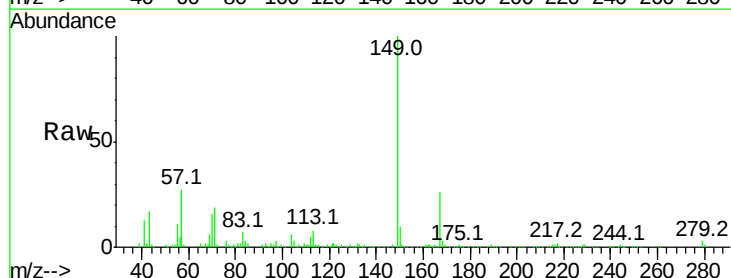
Tgt Ion:149 Resp: 139125

Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.4

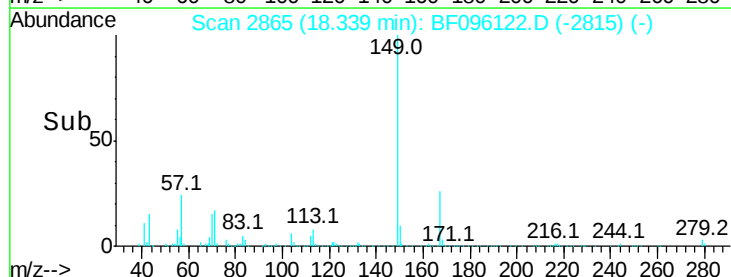
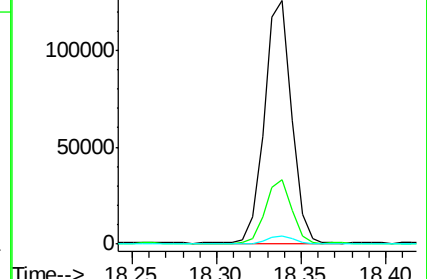
279 3.4 1.9 2.9#

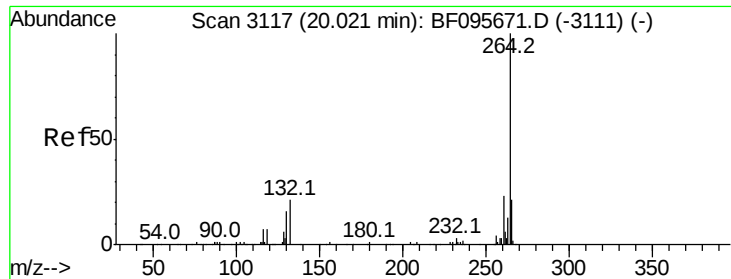


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

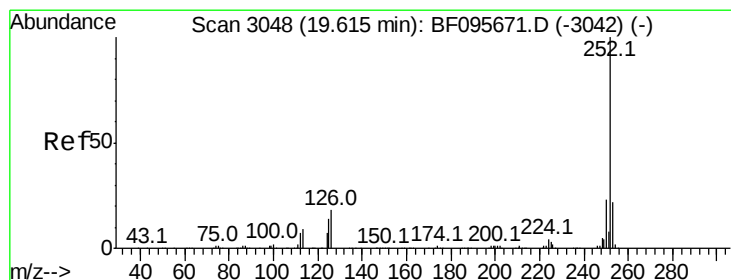
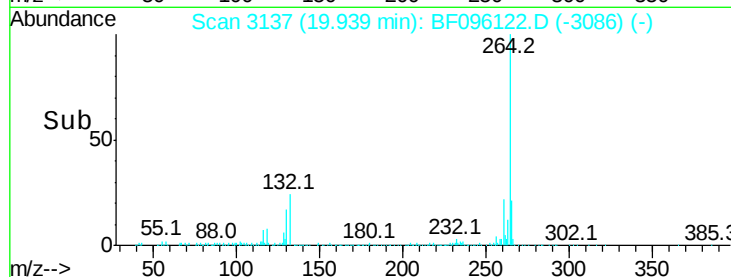
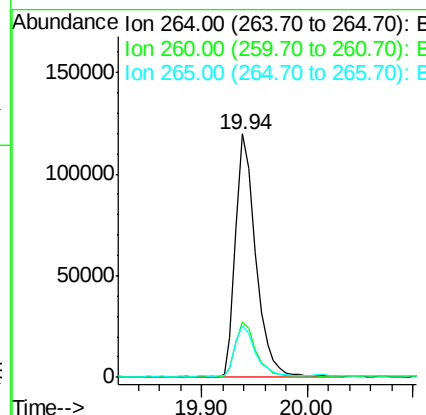
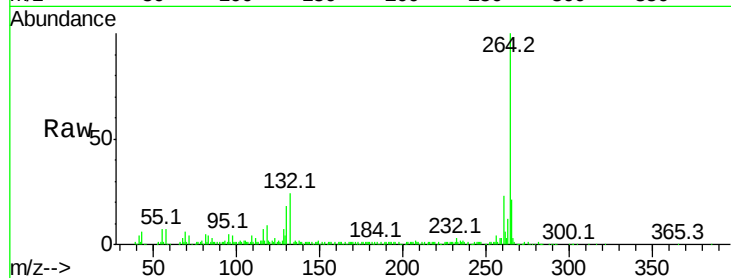




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

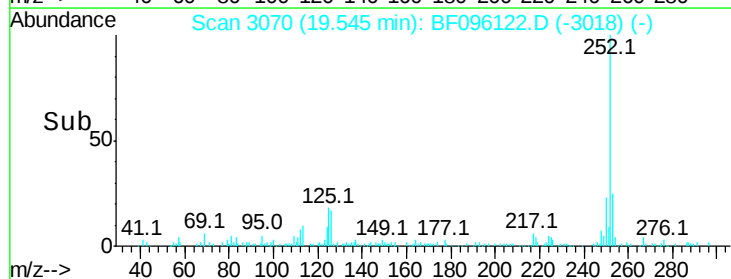
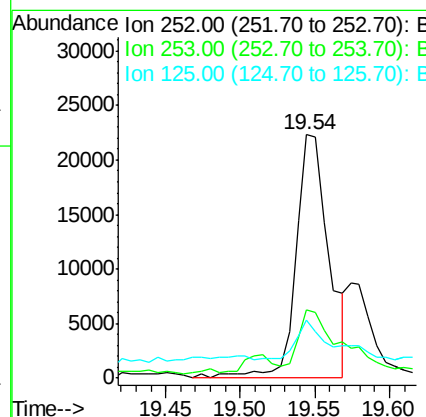
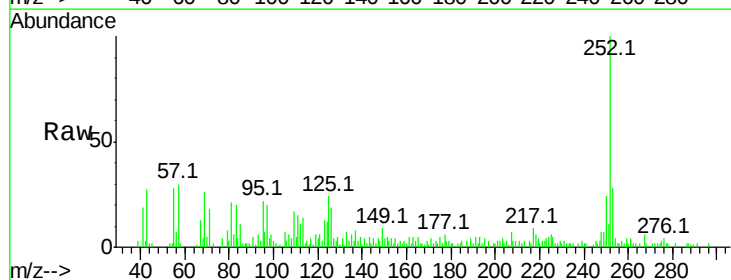
Instrument :
BNA_F
ClientSampleId :

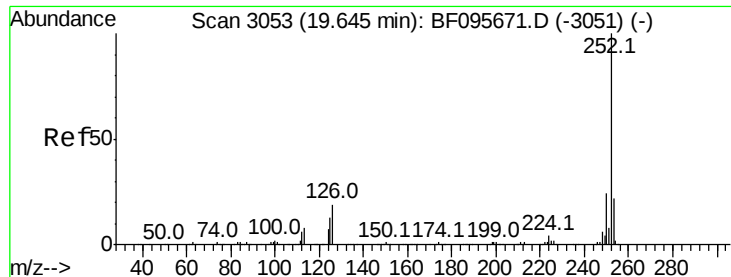
Tot Ion:264 Resp: 159589
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.46 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096122.D
Acq: 22 Jun 2017 15:12

Tgt Ion:252 Resp: 34586
Ion Ratio Lower Upper
252 100
253 28.0 18.1 27.1#
125 23.8 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.62 ng

RT: 19.54 min Scan# 3070

Delta R.T. -0.02 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

Instrument :

BNA_F

ClientSampleId :

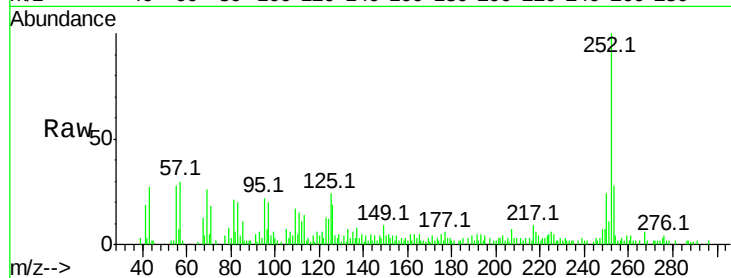
Tot Ion:252 Resp: 34586

Ion Ratio Lower Upper

252 100

253 28.0 18.4 27.6#

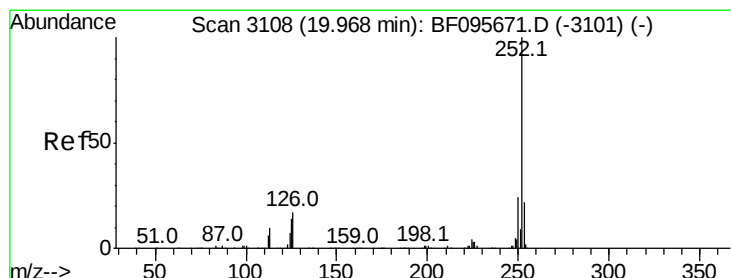
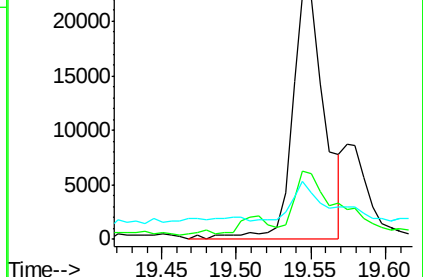
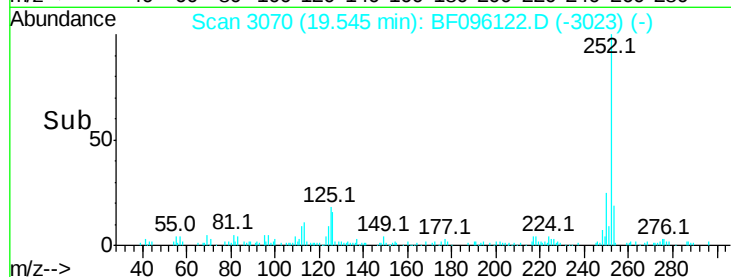
125 23.8 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 2.33 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096122.D

Acq: 22 Jun 2017 15:12

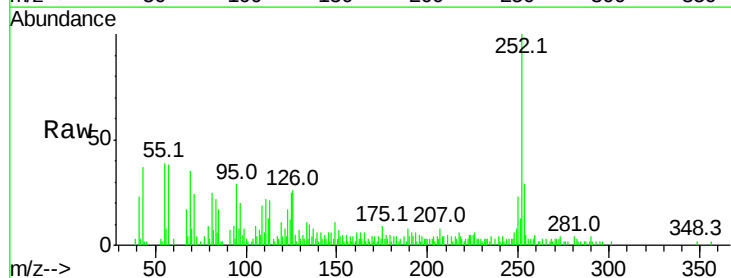
Tgt Ion:252 Resp: 21386

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3#

125 25.5 11.0 16.4#



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

