

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095729.D
 Acq On : 7 Jun 2017 1:52
 Operator : SJ/MA
 Sample : I3478-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:50:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

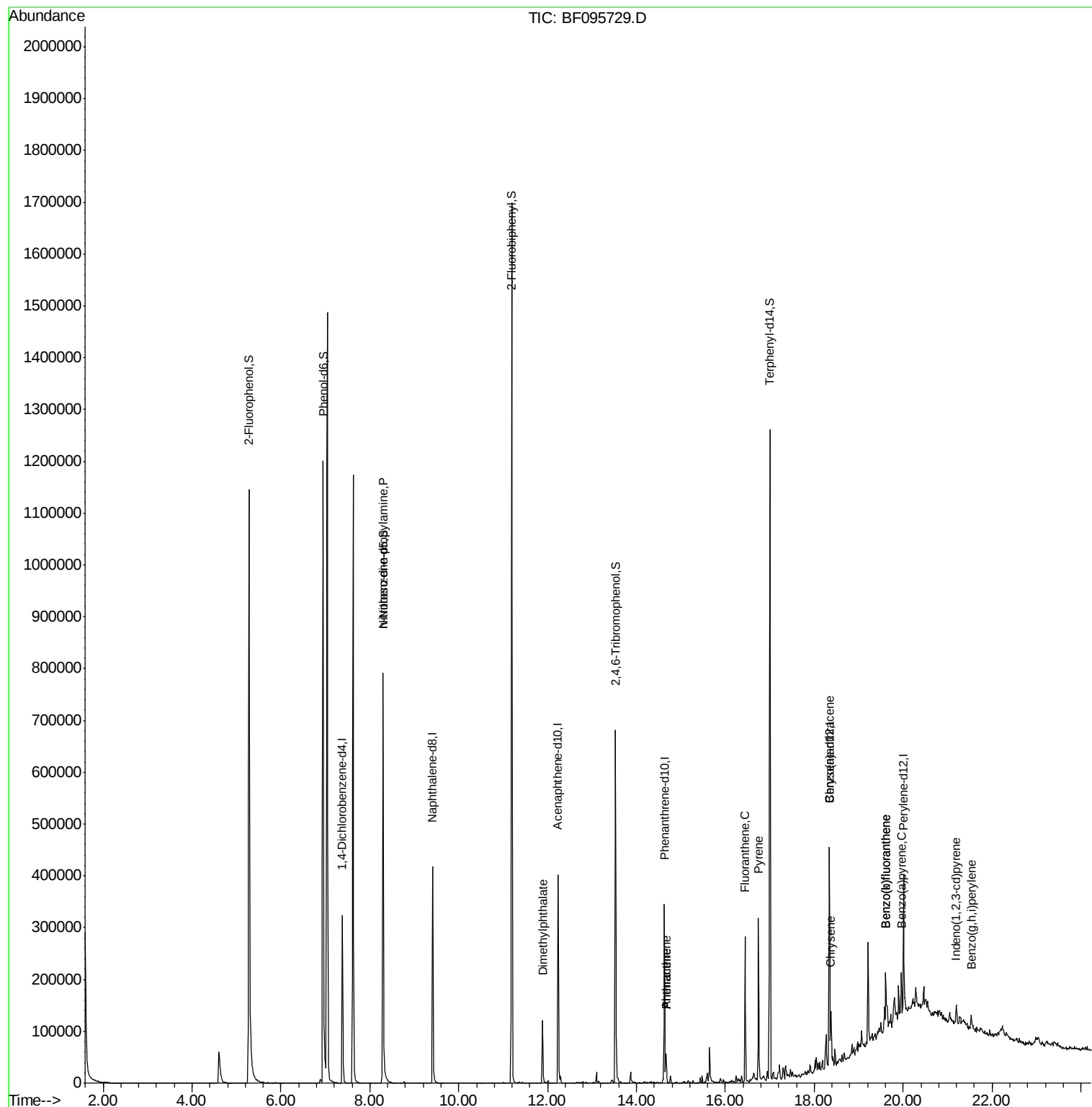
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	78652	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	297317	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	116084	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	174527	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	147834	20.00	ng	-0.01
86) Perylene-d12	20.01	264	104097	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	608771	123.33	ng	0.00
7) Phenol-d6	6.95	99	712041	120.50	ng	-0.01
23) Nitrobenzene-d5	8.30	82	395501	82.61	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	109310	106.43	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	737580	88.42	ng	-0.02
78) Terphenyl-d14	17.00	244	473984	79.57	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	48125	12.85	ng	# 78
49) Dimethylphthalate	11.89	163	74553	8.46	ng	99
70) Phenanthrene	14.67	178	37021	3.68	ng	97
71) Anthracene	14.67	178	37021	3.52	ng	98
74) Fluoranthene	16.44	202	143113	14.36	ng	97
77) Pyrene	16.74	202	124057	11.25	ng	95
80) Benzo(a)anthracene	18.33	228	54124	6.30	ng	97
82) Chrysene	18.37	228	52889	6.16	ng	99
85) Indeno(1,2,3-cd)pyrene	21.20	276	21317	2.90	ng	95
87) Benzo(b)fluoranthene	19.61	252	72763	11.16	ng	# 94
88) Benzo(k)fluoranthene	19.61	252	72763	11.68	ng	97
89) Benzo(a)pyrene	19.96	252	34443	5.75	ng	# 91
91) Benzo(a,h,i)perylene	21.53	276	18987	3.66	ng	# 82

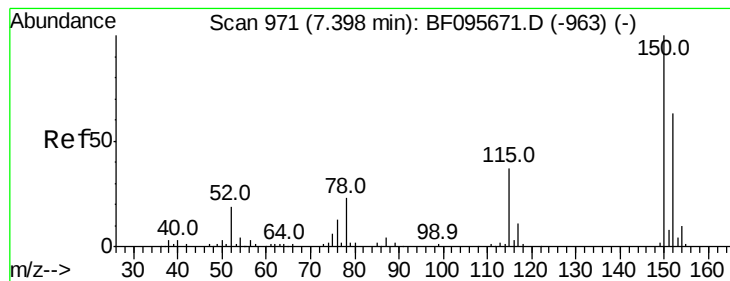
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
Data File : BF095729.D
Acq On : 7 Jun 2017 1:52
Operator : SJ/MA
Sample : I3478-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 07 02:50:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

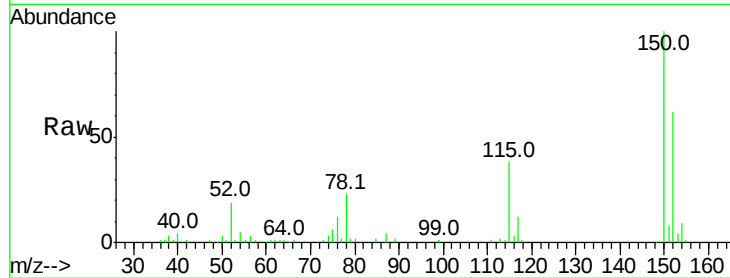
Tot Ion:152 Resp: 78652

Ion Ratio Lower Upper

152 100

150 161.3 126.2 189.2

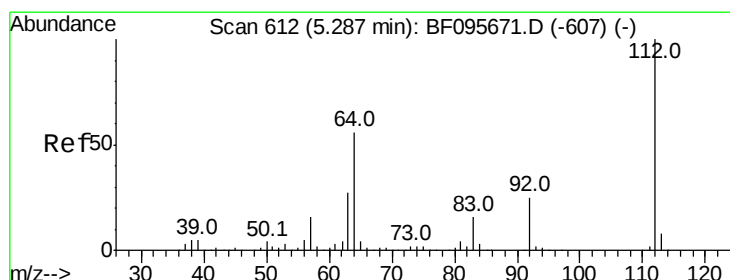
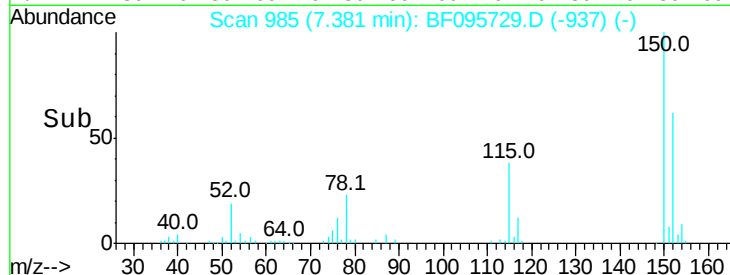
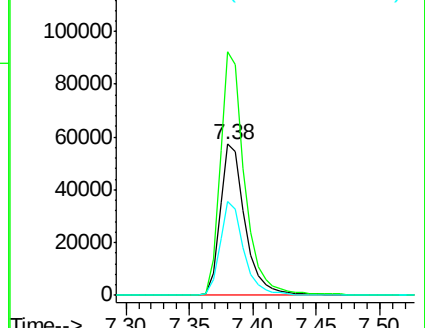
115 61.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 123.33 ng

RT: 5.28 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

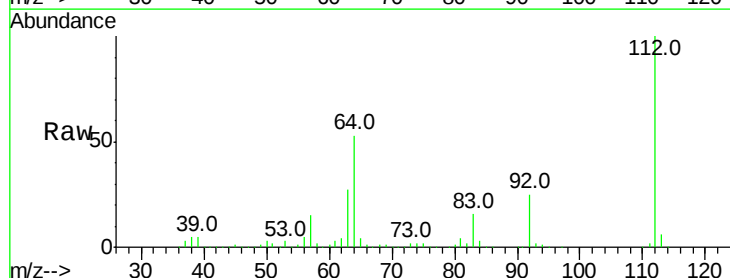
Tgt Ion:112 Resp: 608771

Ion Ratio Lower Upper

112 100

64 53.2 46.0 69.0

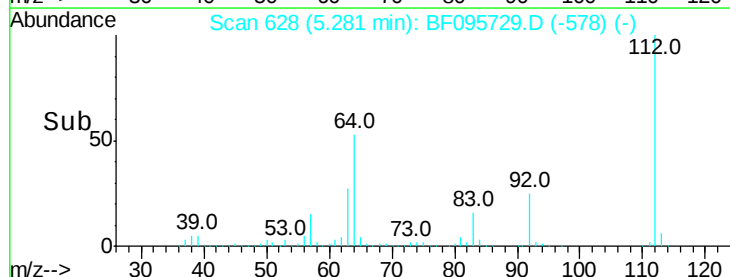
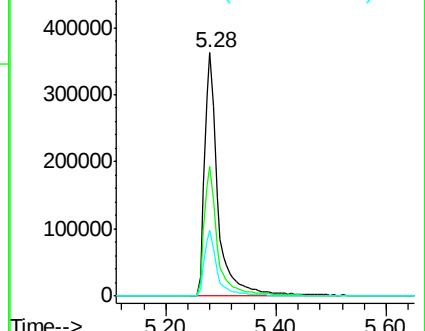
63 26.9 23.4 35.0

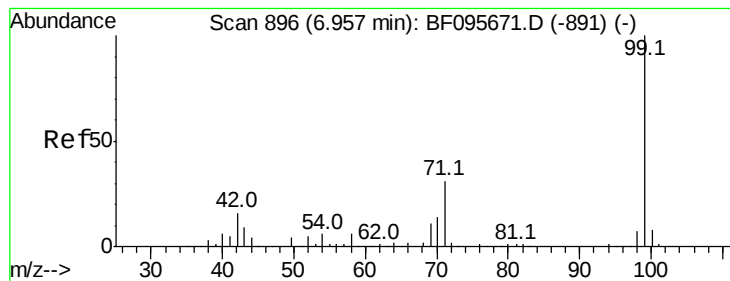


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.50 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

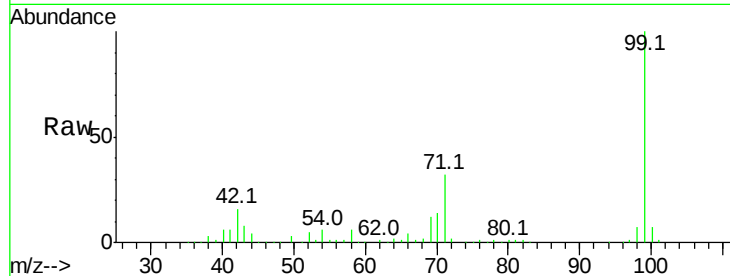
Tot Ion: 99 Resp: 712041

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

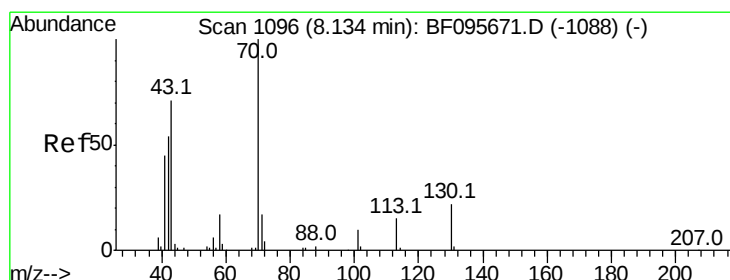
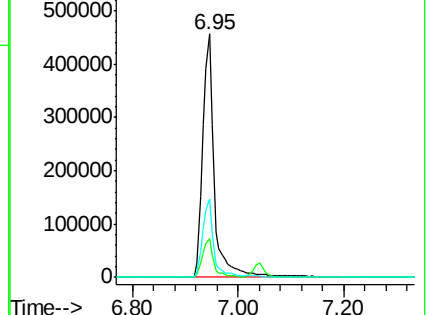
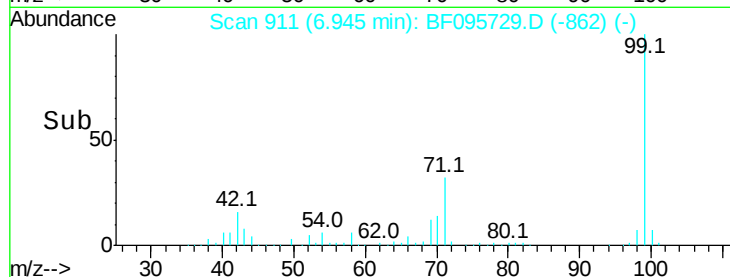
71 32.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.85 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Tgt Ion: 70 Resp: 48125

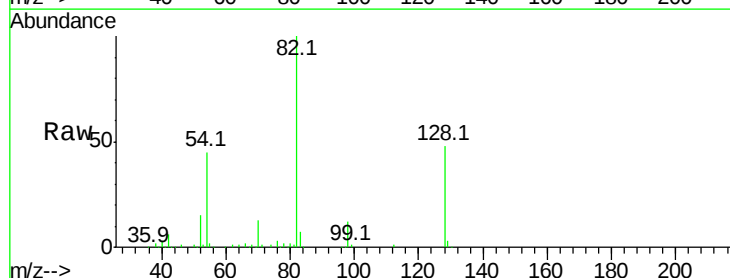
Ion Ratio Lower Upper

70 100

42 46.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

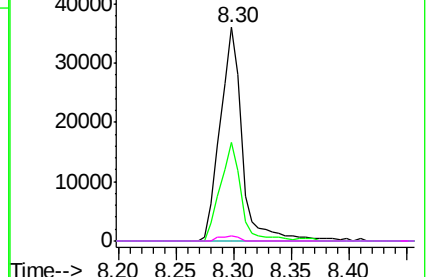
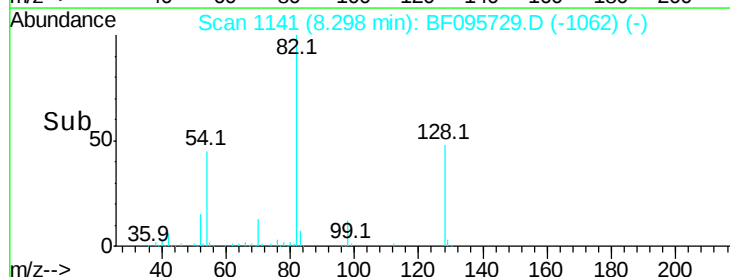


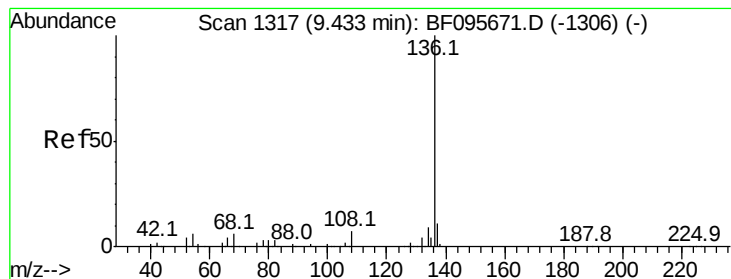
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 297317

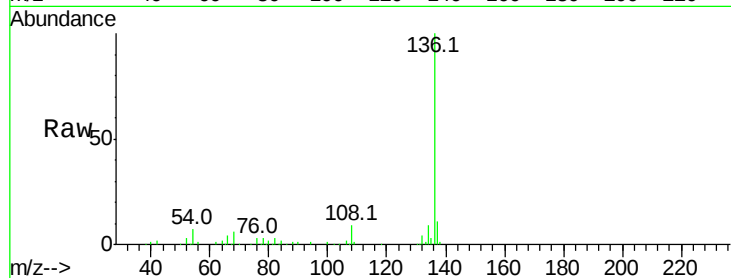
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.7 4.9 7.3

68 5.6 4.1 6.1

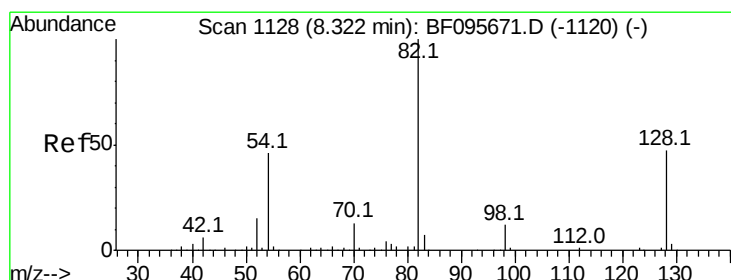
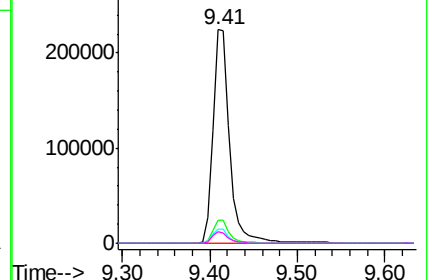
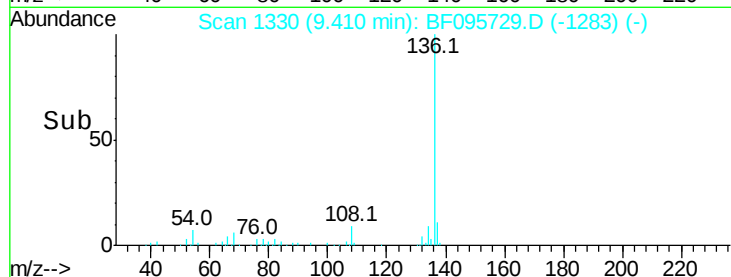


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.61 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

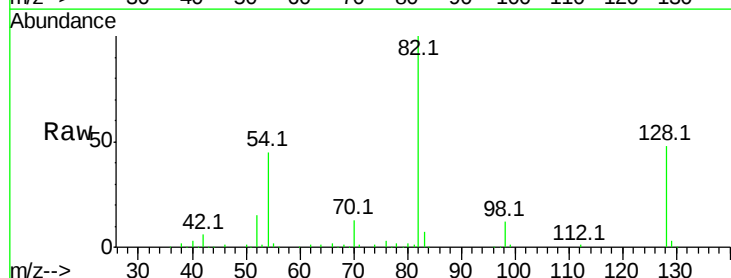
Tgt Ion: 82 Resp: 395501

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

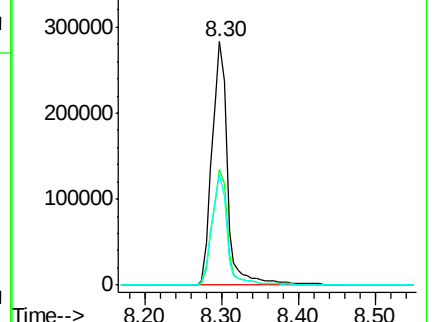
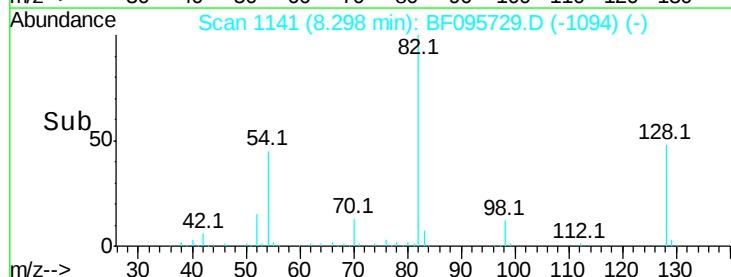
54 45.4 42.2 63.2

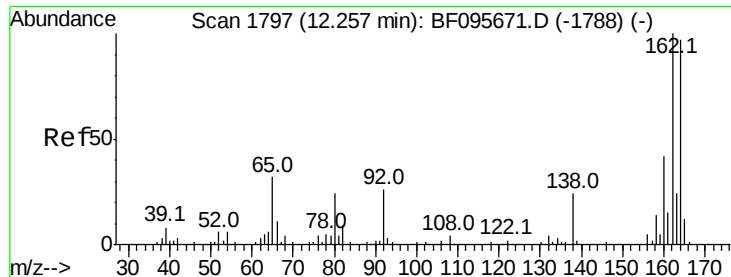


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.23 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampled :

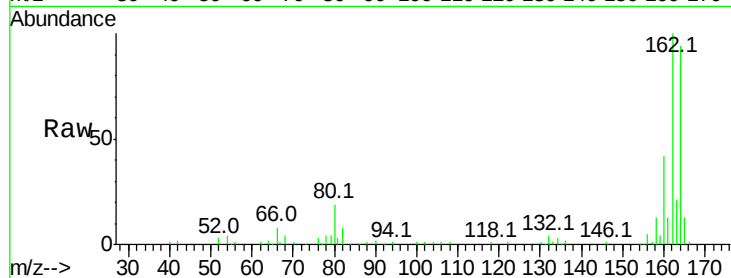
Tot Ion:164 Resp: 116084

Ion Ratio Lower Upper

164 100

162 106.0 82.6 123.8

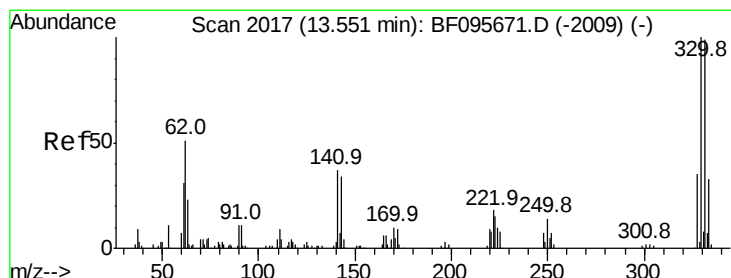
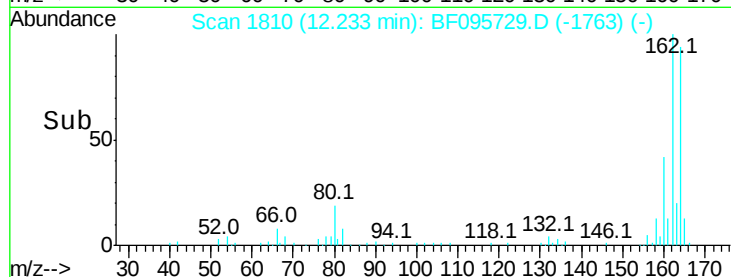
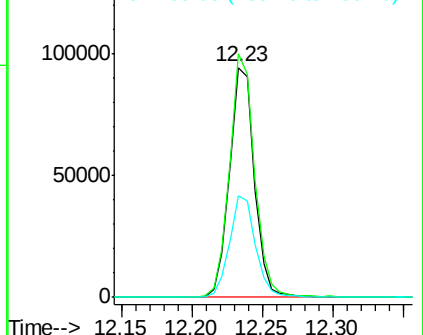
160 44.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 106.43 ng

RT: 13.53 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

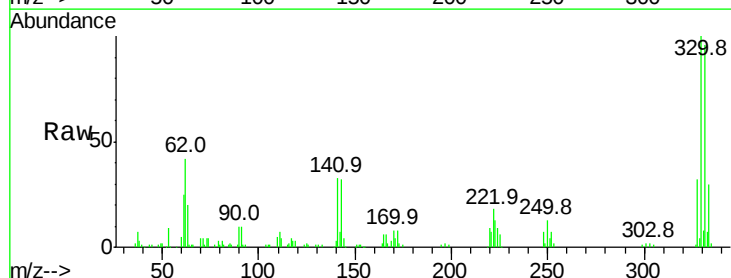
Tgt Ion:330 Resp: 109310

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

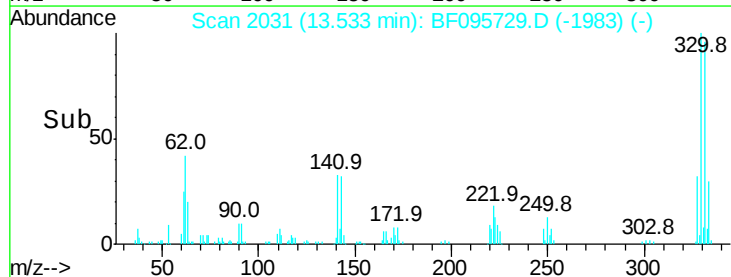
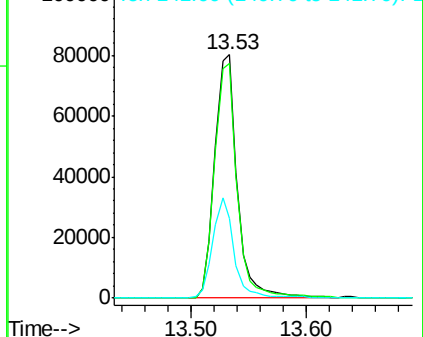
141 38.8 31.4 47.2

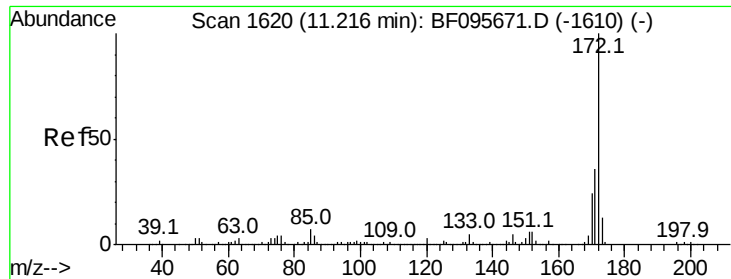


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

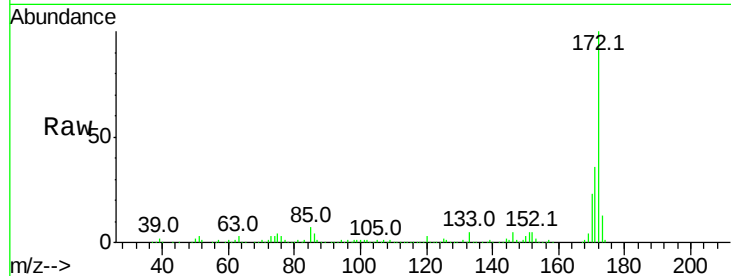




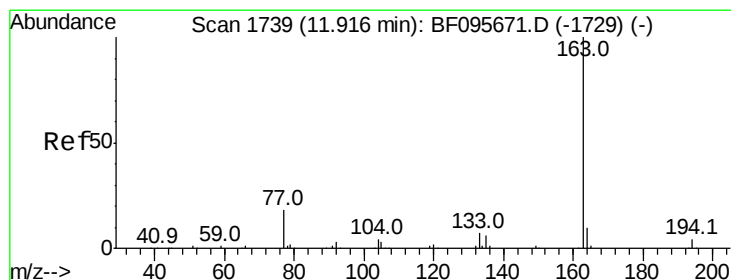
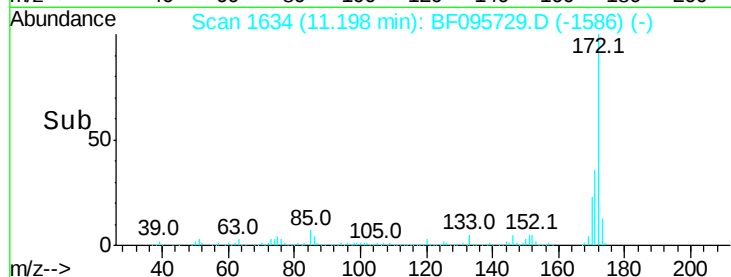
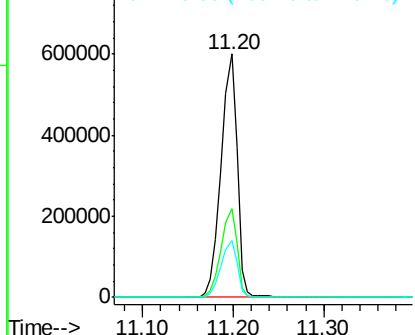
#44
2-Fluorobiphenyl
Concen: 88.42 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 737580
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.5 19.8 29.8

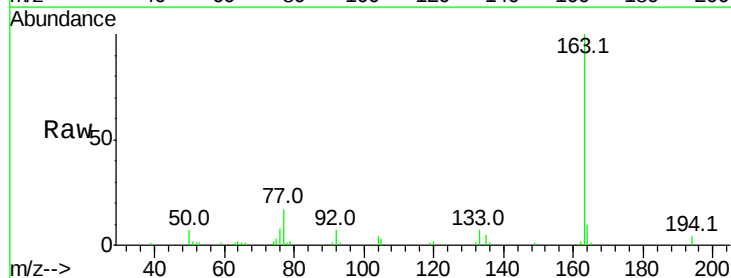


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

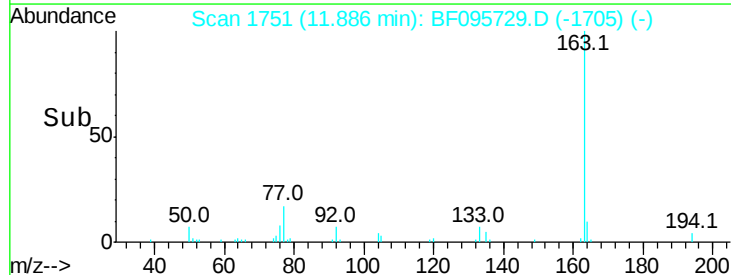
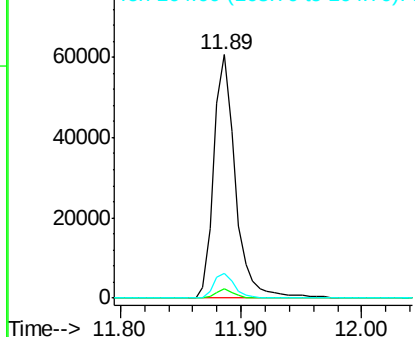


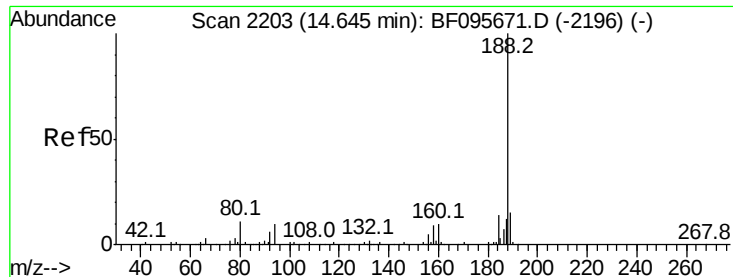
#49
Dimethylphthalate
Concen: 8.46 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion:163 Resp: 74553
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.1 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

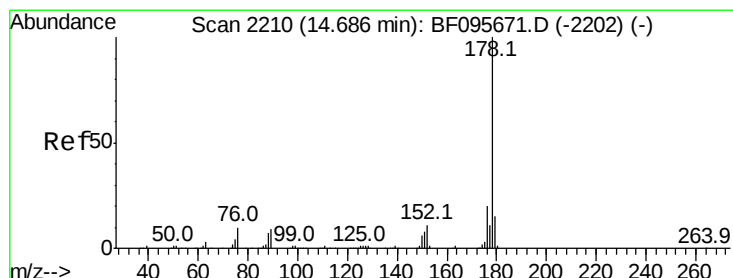
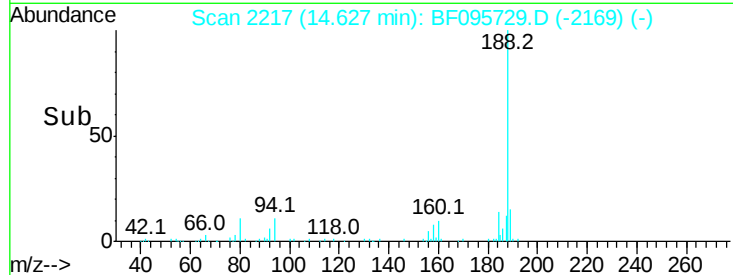
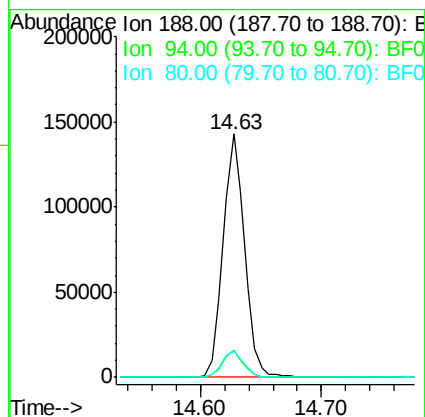
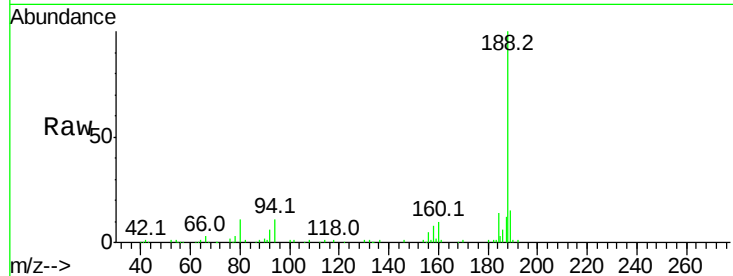




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

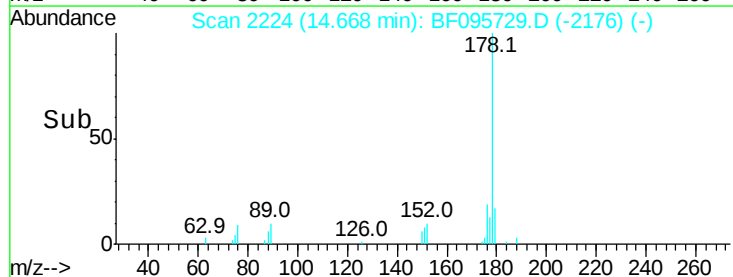
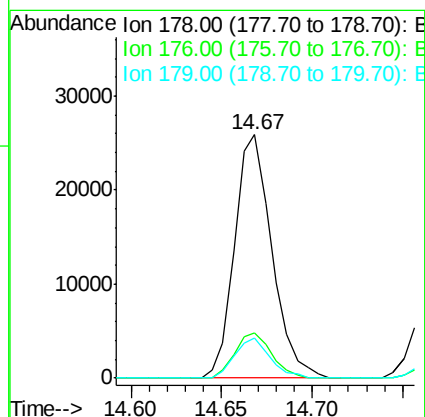
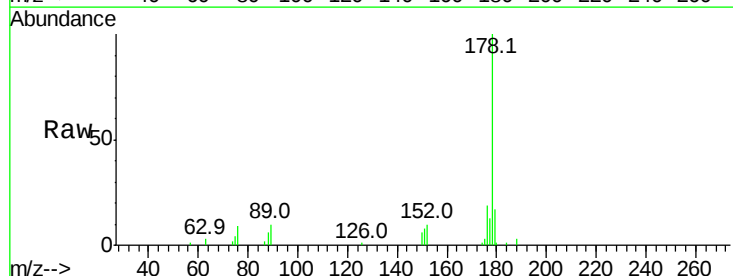
Instrument :
BNA_F
ClientSampleId :

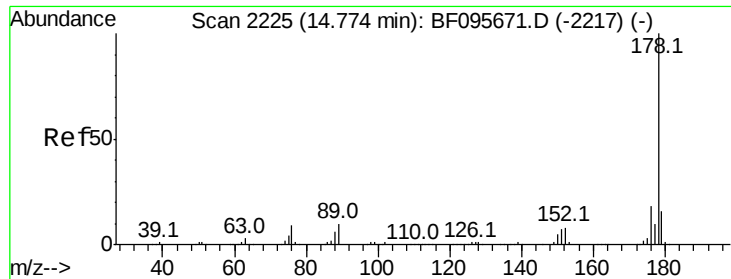
Tot Ion:188 Resp: 174527
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 3.68 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion:178 Resp: 37021
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 16.5 12.6 19.0

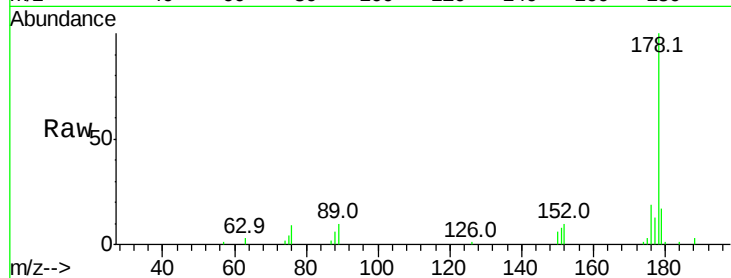




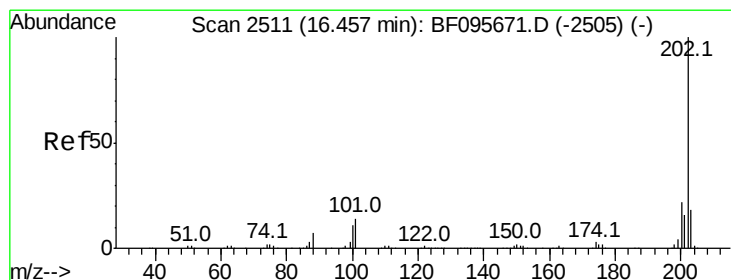
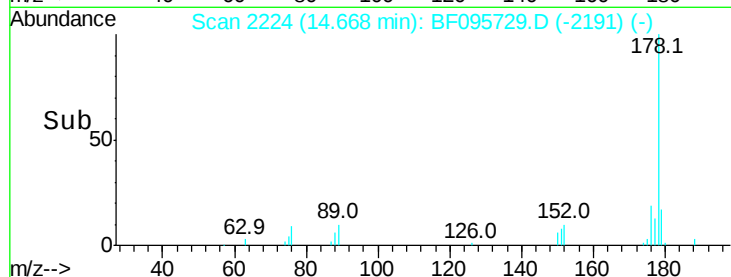
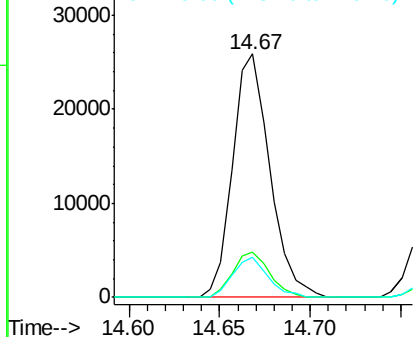
#71
 Anthracene
 Concen: 3.52 ng
 RT: 14.67 min Scan# 2224
 Delta R.T. -0.11 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 37021
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 16.5 12.7 19.1

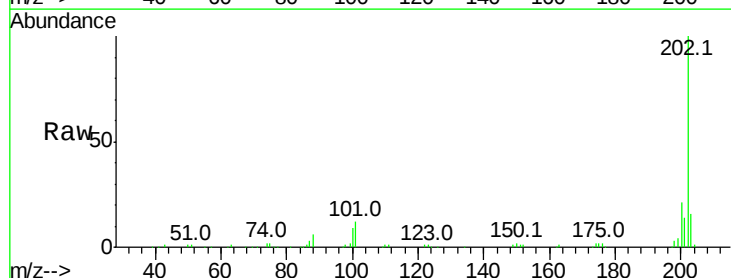


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

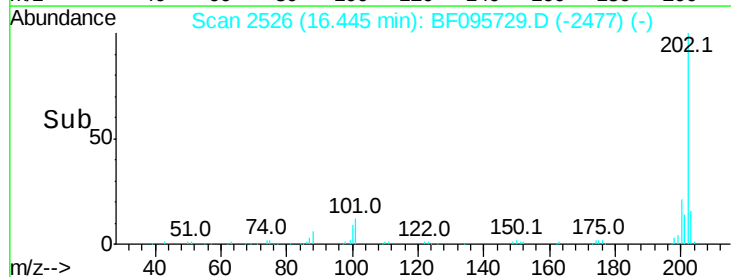
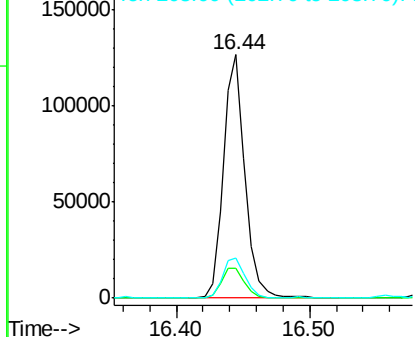


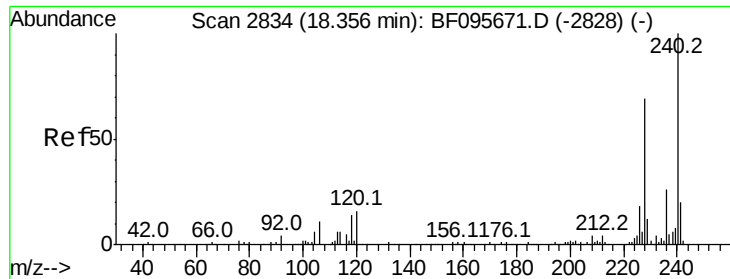
#74
 Fluoranthene
 Concen: 14.36 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion:202 Resp: 143113
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.2
 203 16.5 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: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

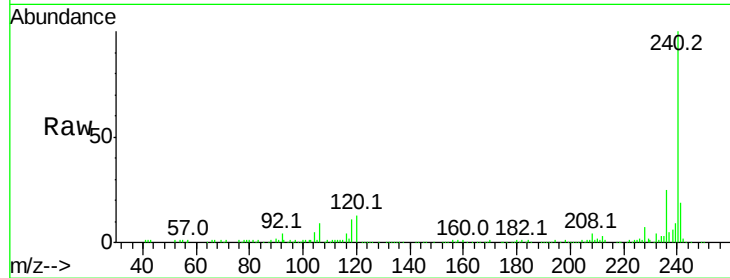
Tot Ion:240 Resp: 147834

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

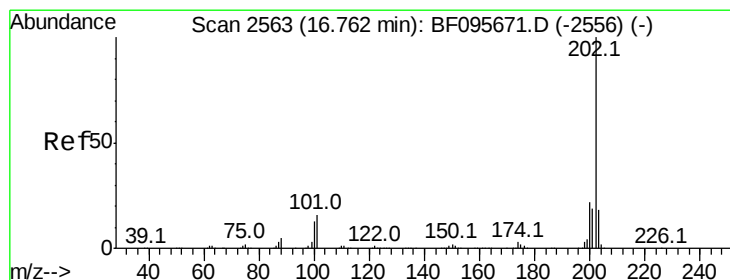
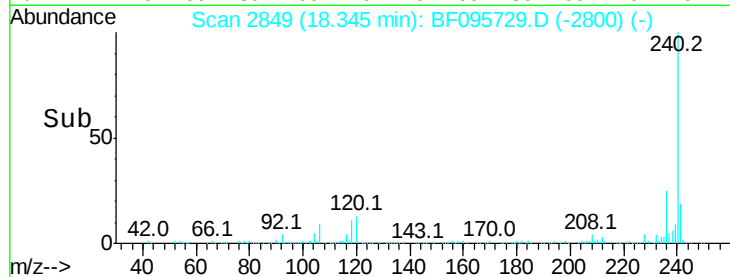
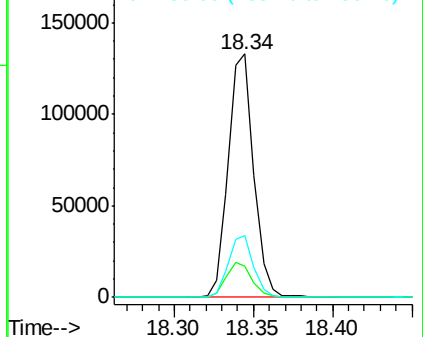
236 25.4 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.25 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

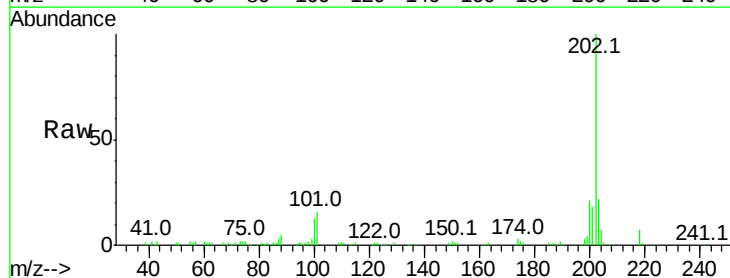
Tgt Ion:202 Resp: 124057

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

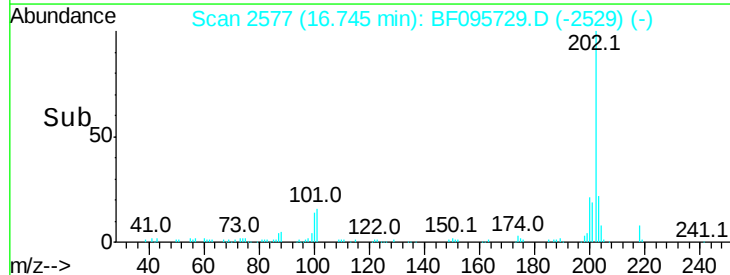
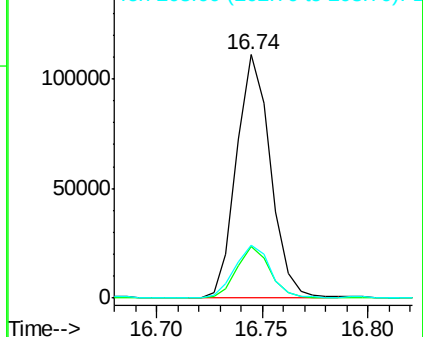
203 21.6 14.4 21.6

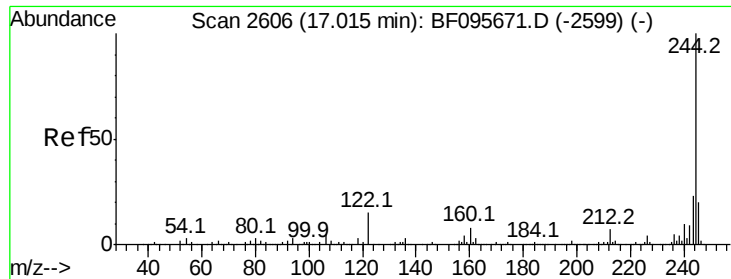


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

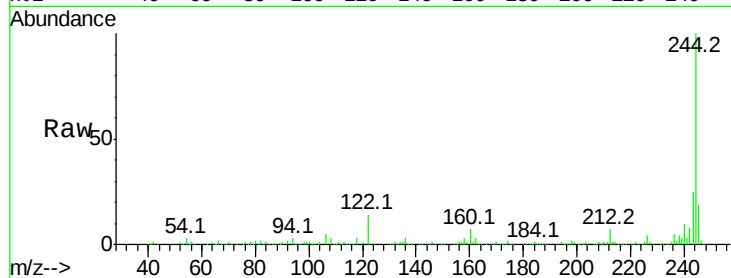




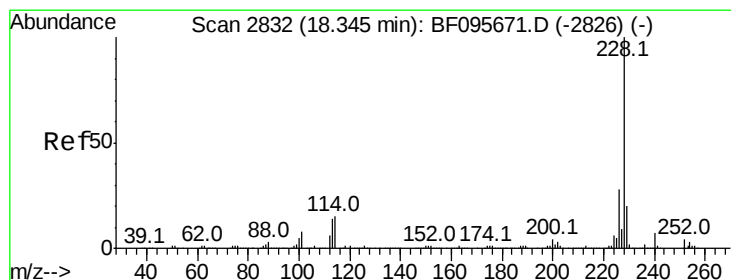
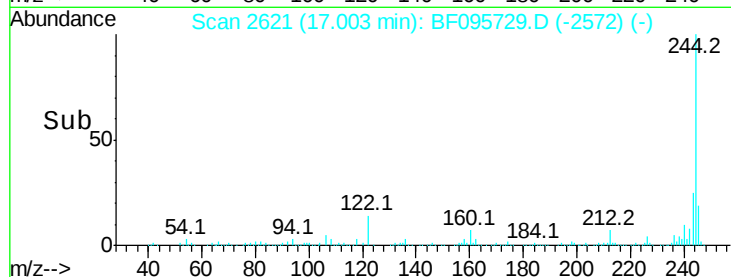
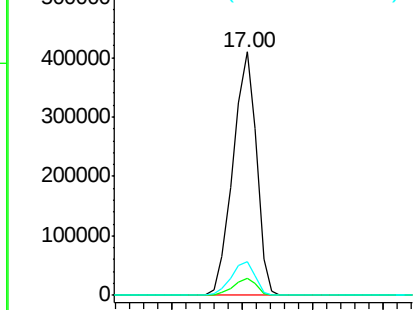
#78
 Terphenyl-d14
 Concen: 79.57 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 473984
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.9 10.3 15.5

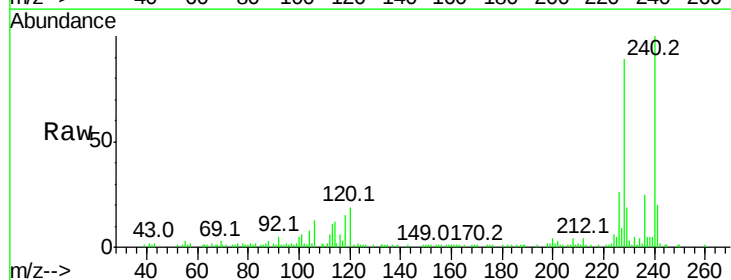


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

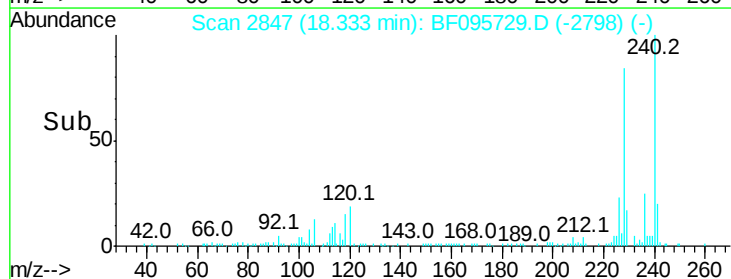
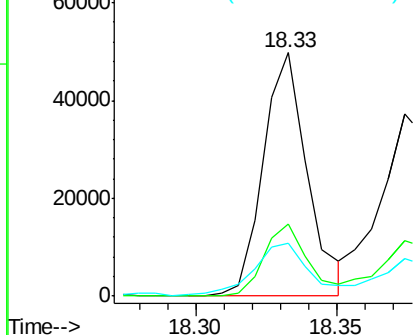


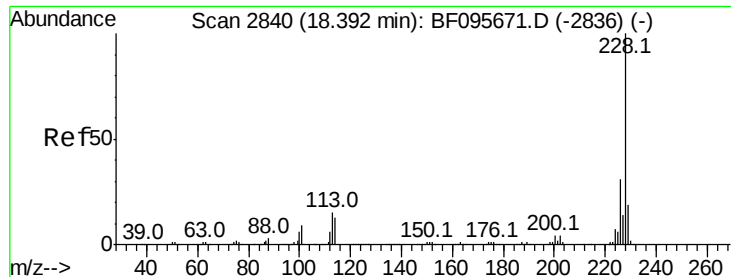
#80
 Benzo(a)anthracene
 Concen: 6.30 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095729.D
 Acq: 7 Jun 2017 1:52

Tgt Ion:228 Resp: 54124
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 21.8 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: 6.16 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

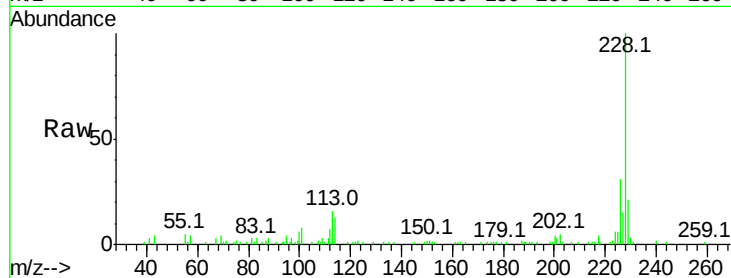
Tot Ion:228 Resp: 52889

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

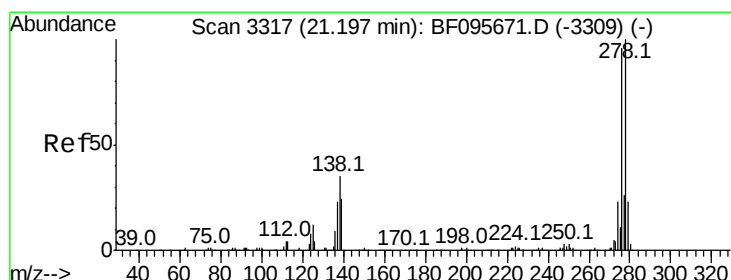
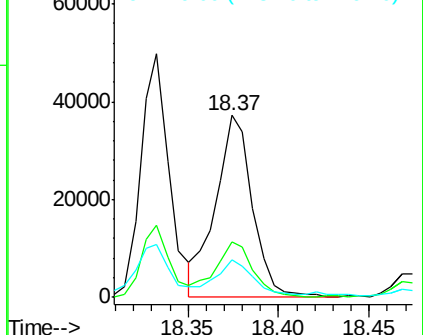
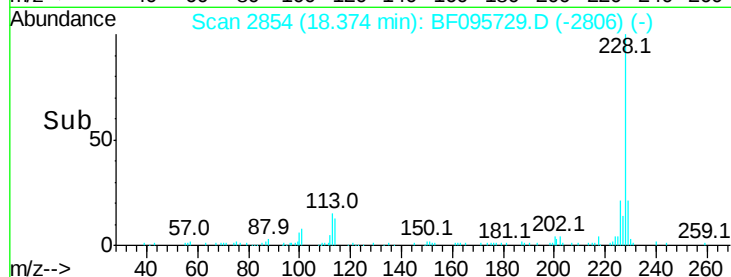
229 20.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.90 ng

RT: 21.20 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

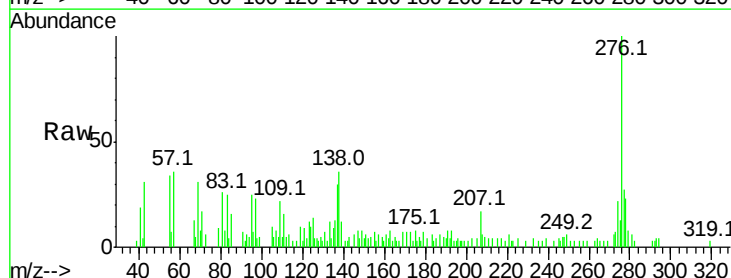
Tgt Ion:276 Resp: 21317

Ion Ratio Lower Upper

276 100

138 32.2 27.8 41.6

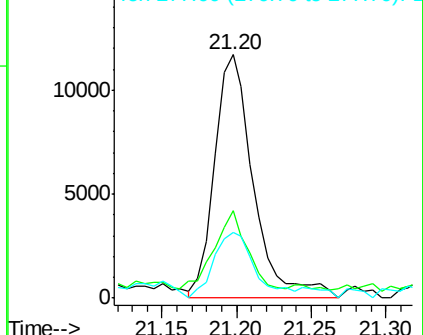
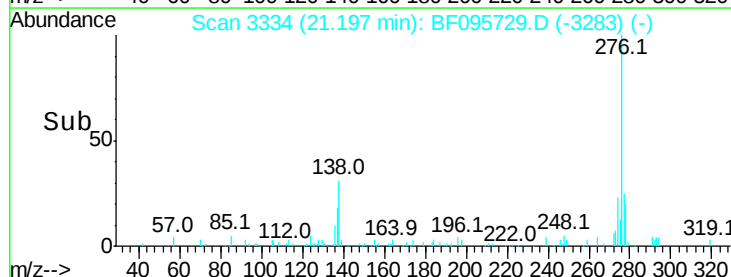
277 28.2 20.2 30.4

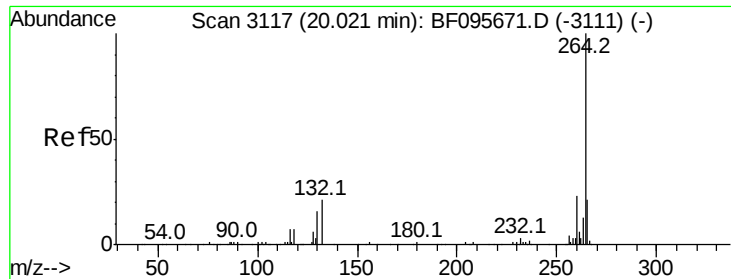


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

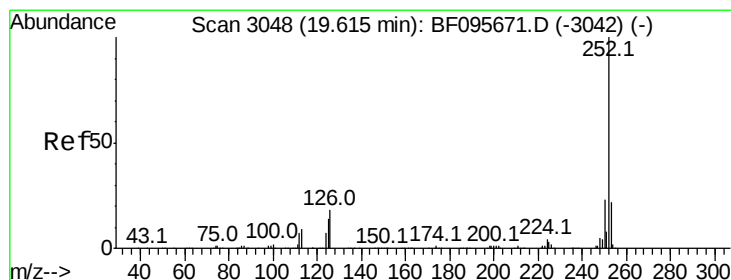
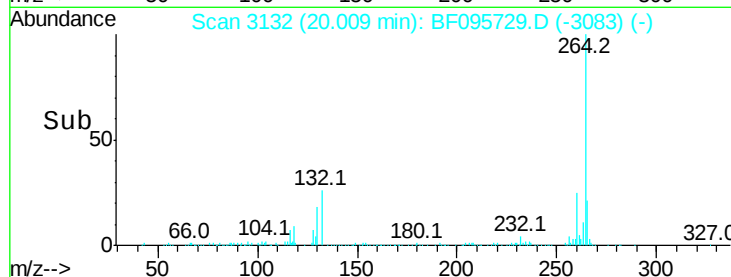
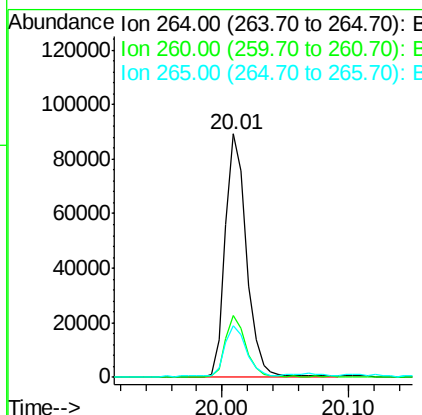
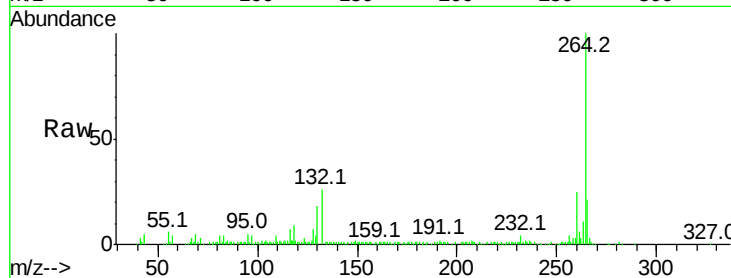




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

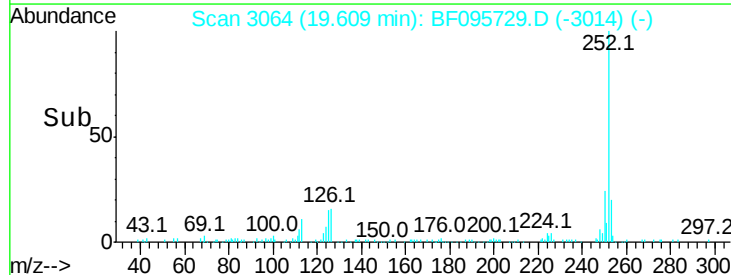
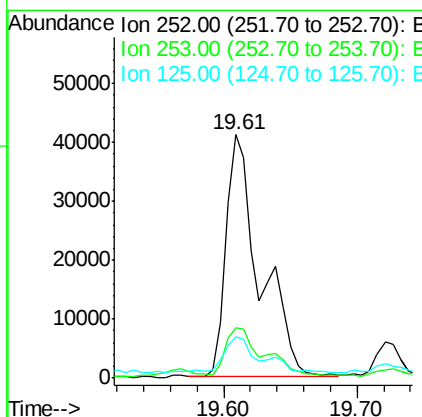
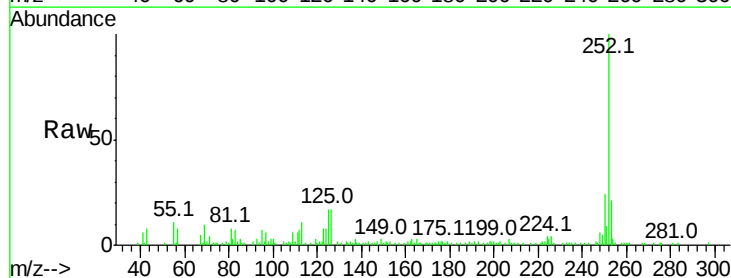
Instrument :
BNA_F
ClientSampleId :

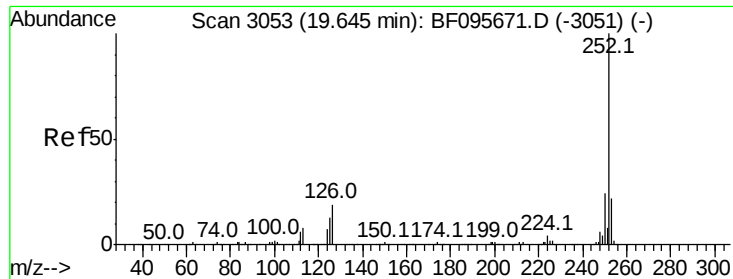
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 11.16 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	16.8	9.8	14.8

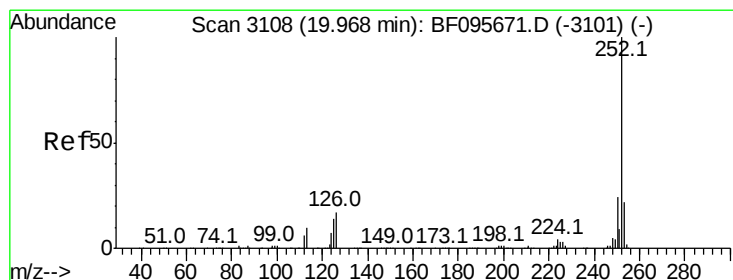
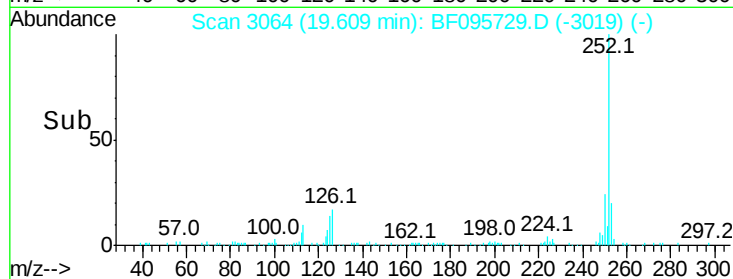
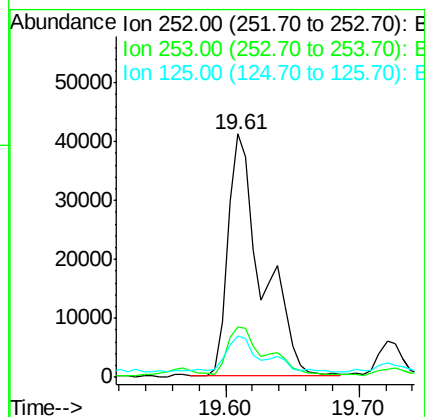
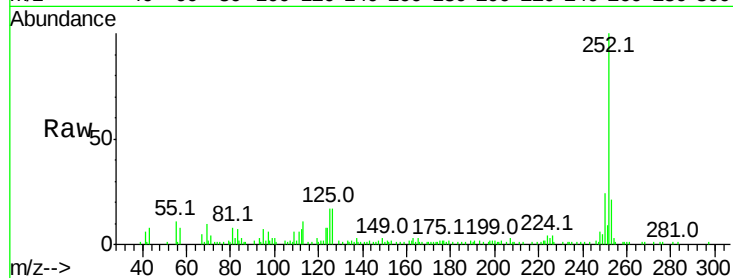




#88
Benzo(k)fluoranthene
Concen: 11.68 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

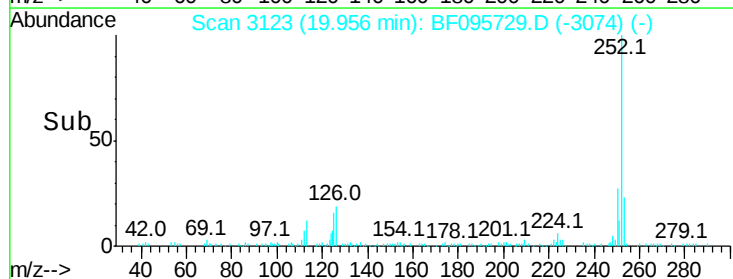
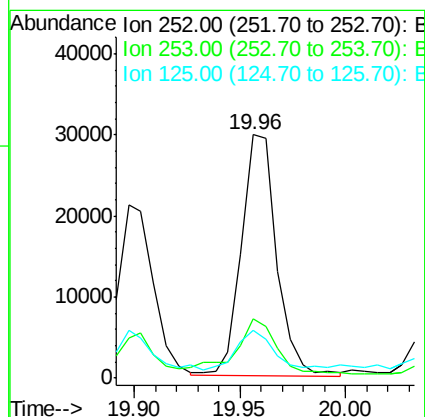
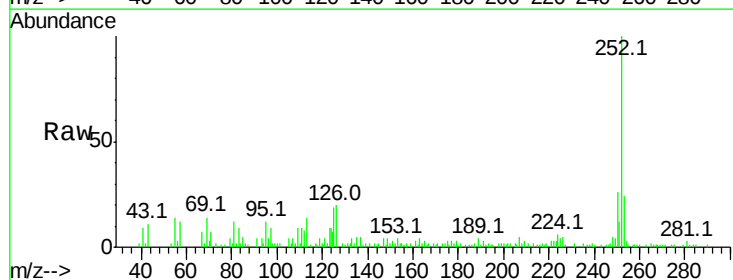
Instrument :
BNA_F
ClientSampleId :

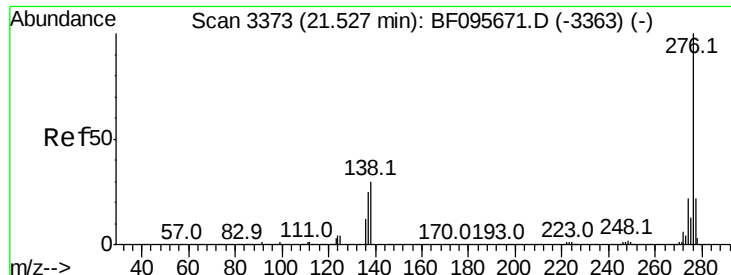
Tot Ion:252 Resp: 72763
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 16.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.75 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095729.D
Acq: 7 Jun 2017 1:52

Tgt Ion:252 Resp: 34443
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 19.5 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.66 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095729.D

Acq: 7 Jun 2017 1:52

Instrument :

BNA_F

ClientSampleId :

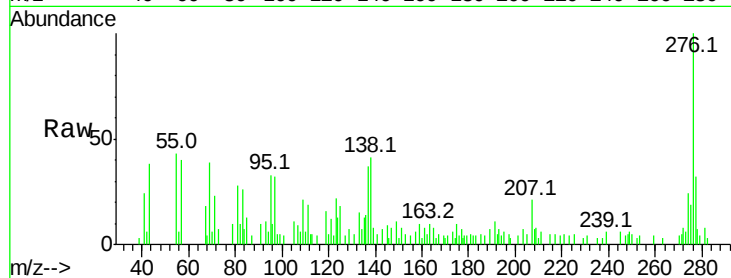
Tot Ion: 276 Resp: 18987

Ion Ratio Lower Upper

276 100

277 32.0 18.6 28.0#

138 41.4 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

