

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095725.D
 Acq On : 6 Jun 2017 23:44
 Operator : SJ/MA
 Sample : I3482-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:49:27 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

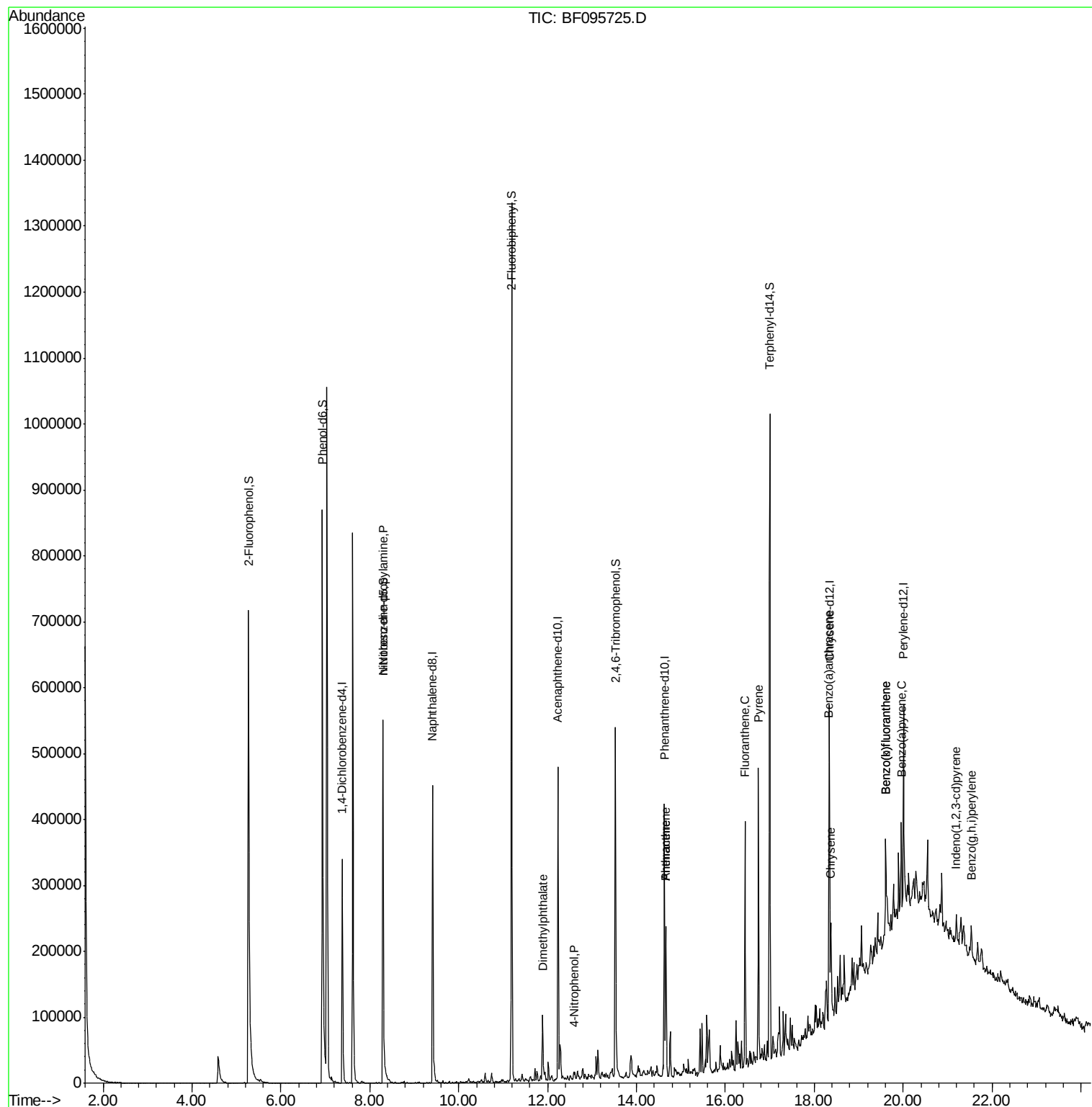
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80288	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	315496	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	129987	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	197482	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	157838	20.00	ng	-0.02
86) Perylene-d12	20.01	264	128190	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	422298	83.81	ng	-0.02
7) Phenol-d6	6.93	99	518516	85.96	ng	-0.02
23) Nitrobenzene-d5	8.30	82	290421	57.17	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	85578	74.41	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	562884	60.26	ng	-0.02
78) Terphenyl-d14	17.00	244	354807	55.79	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	36134	9.45	ng	# 72
49) Dimethylphthalate	11.89	163	56559	5.73	ng	# 99
55) 4-Nitrophenol	12.59	139	3001	6.56	ng	# 25
70) Phenanthrene	14.66	178	132185	11.60	ng	98
71) Anthracene	14.66	178	132185	11.11	ng	99
74) Fluoranthene	16.44	202	192279	17.05	ng	99
77) Pyrene	16.74	202	185084	15.72	ng	97
80) Benzo(a)anthracene	18.33	228	74816	8.15	ng	95
82) Chrysene	18.37	228	70452	7.68	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	25882	3.30	ng	97
87) Benzo(b)fluoranthene	19.61	252	98010	12.21	ng	# 95
88) Benzo(k)fluoranthene	19.61	252	98010	12.77	ng	99
89) Benzo(a)pyrene	19.96	252	54428	7.38	ng	# 96
91) Benzo(a,h,i)perylene	21.53	276	25595	4.01	ng	92

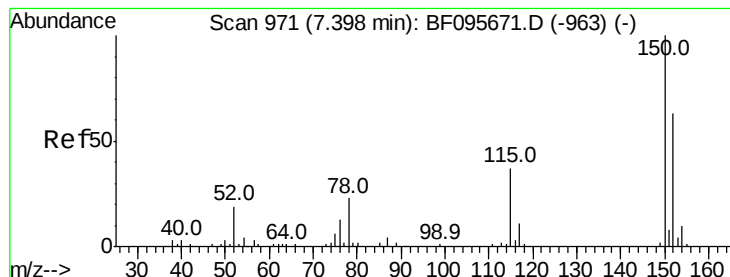
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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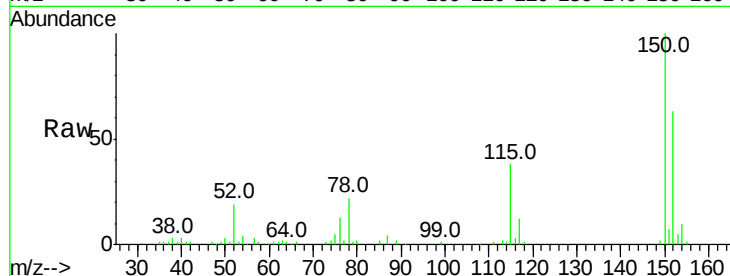


#1

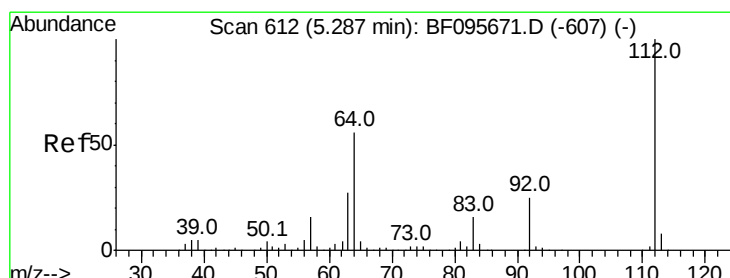
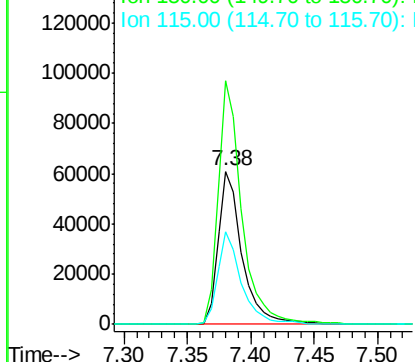
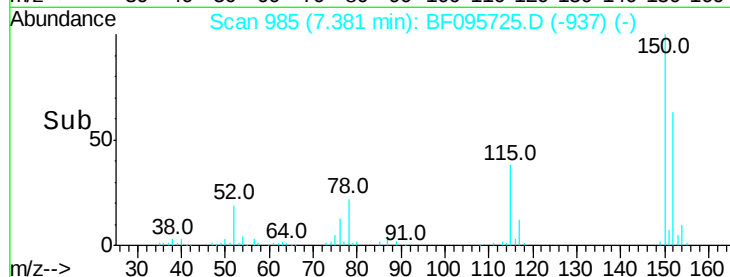
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80288
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.2
115 60.0 52.2 78.2



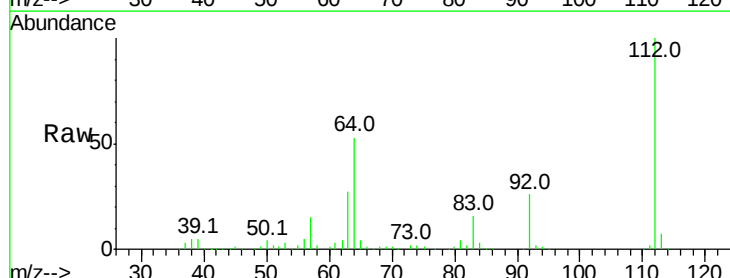
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



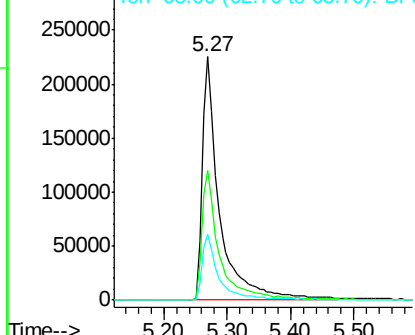
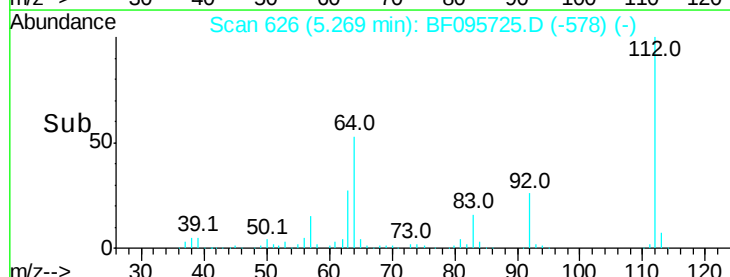
#5

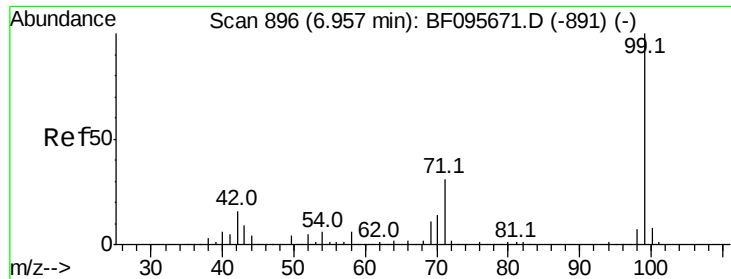
2-Fluorophenol
Concen: 83.81 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:112 Resp: 422298
Ion Ratio Lower Upper
112 100
64 53.3 46.0 69.0
63 27.0 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: 85.96 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

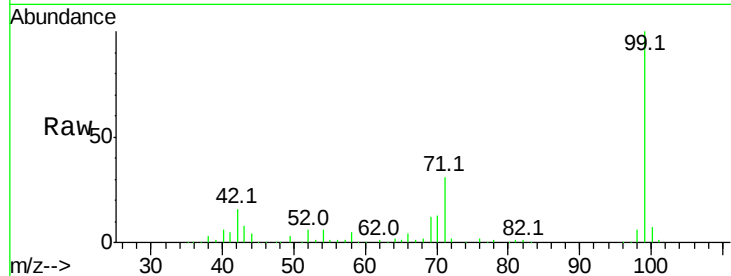
Tot Ion: 99 Resp: 518516

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

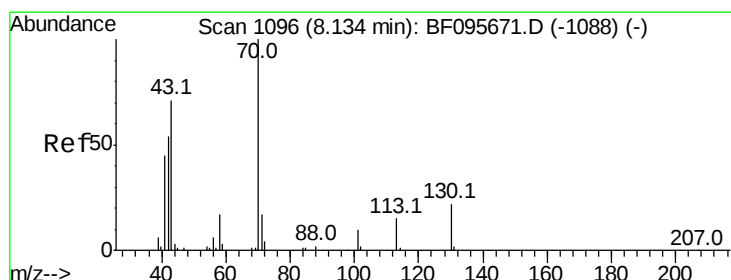
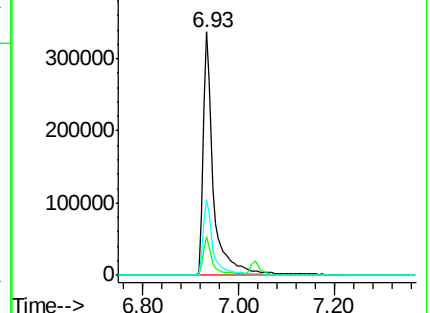
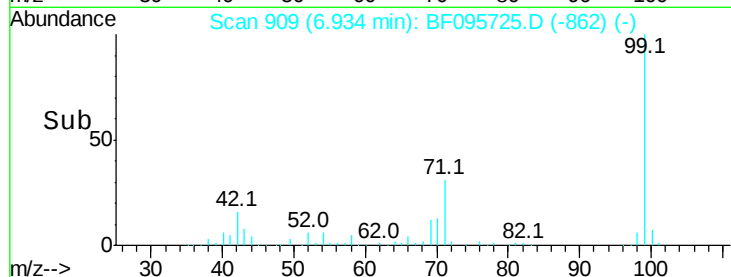
71 31.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.45 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Tgt Ion: 70 Resp: 36134

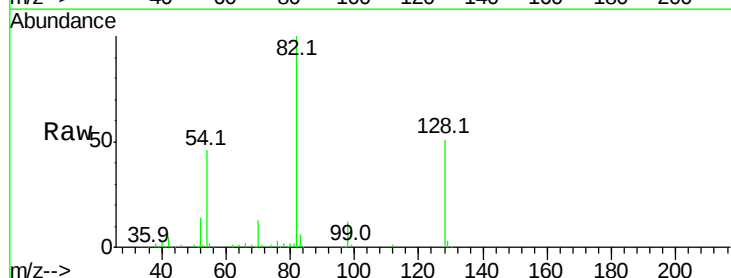
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

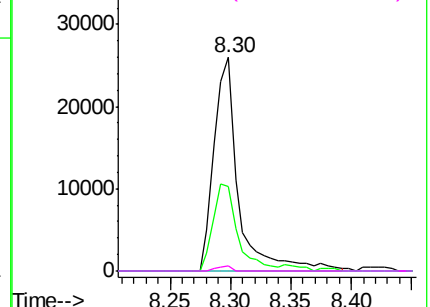
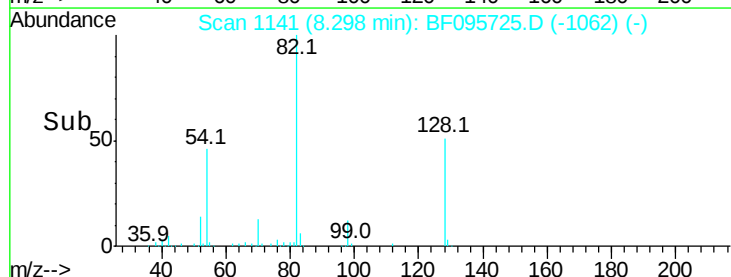


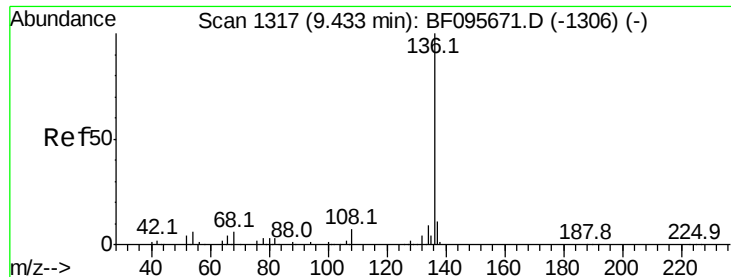
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095725.D

Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 315496

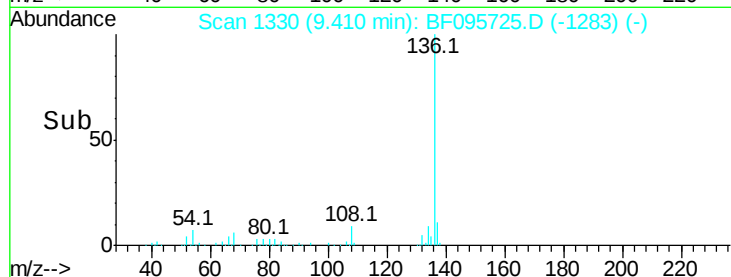
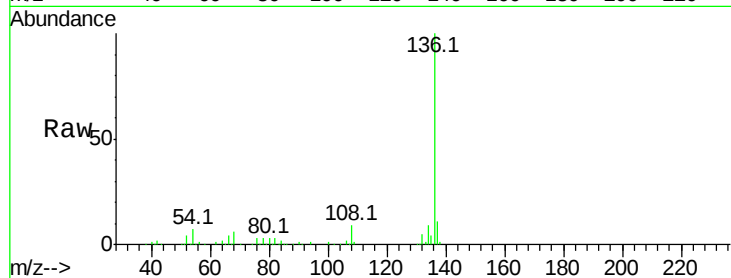
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.0 4.9 7.3

68 5.7 4.1 6.1

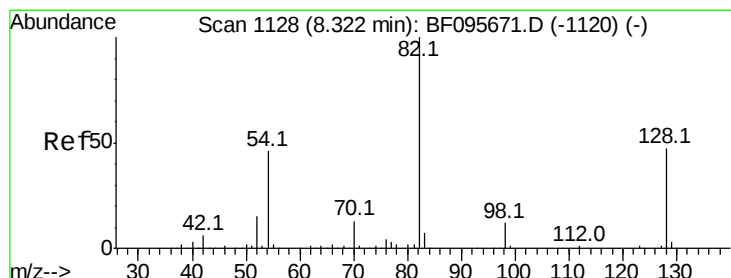
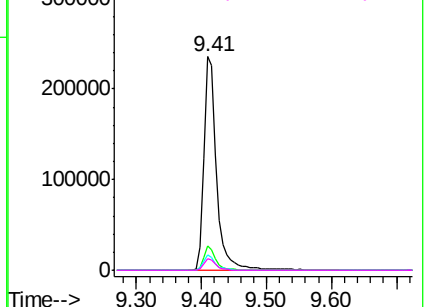


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.17 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

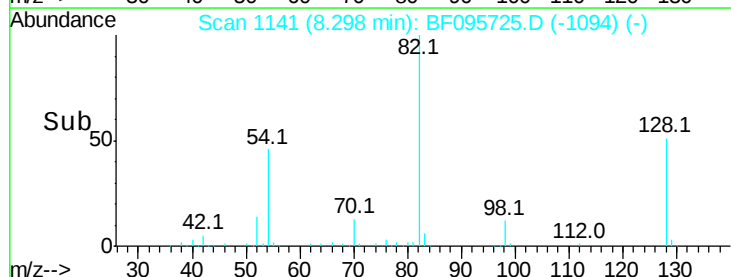
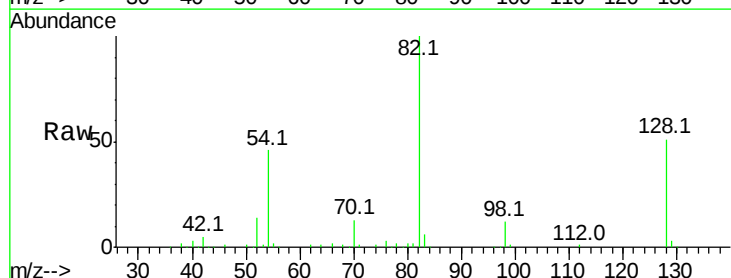
Tgt Ion: 82 Resp: 290421

Ion Ratio Lower Upper

82 100

128 50.8 34.0 51.0

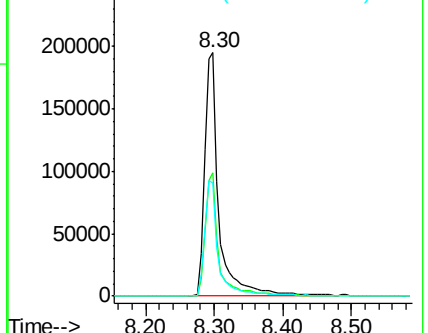
54 46.2 42.2 63.2

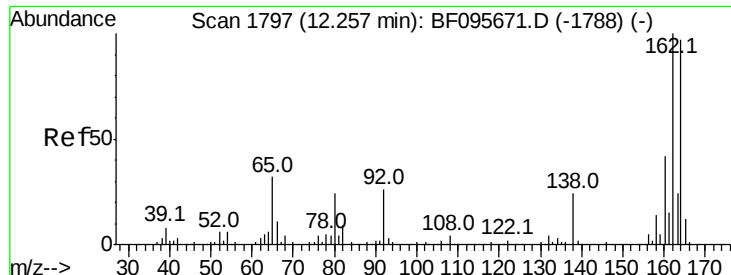


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

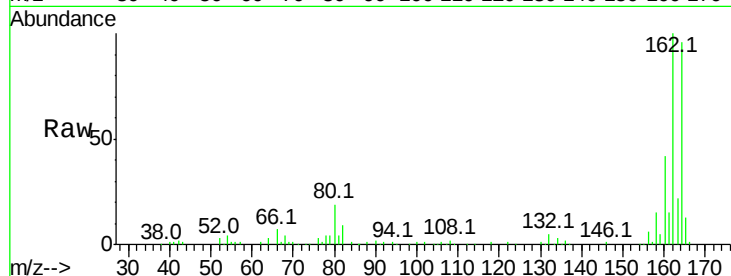




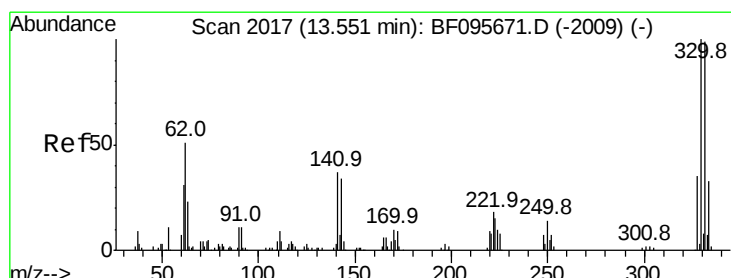
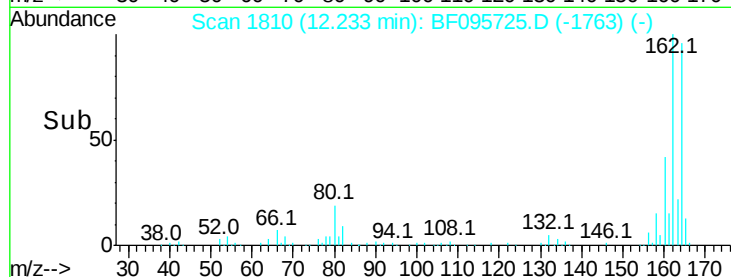
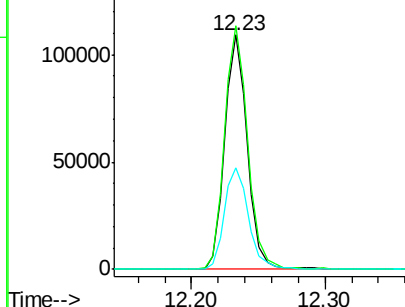
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095725.D
 Acq: 6 Jun 2017 23:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 129987
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 43.2 36.2 54.2

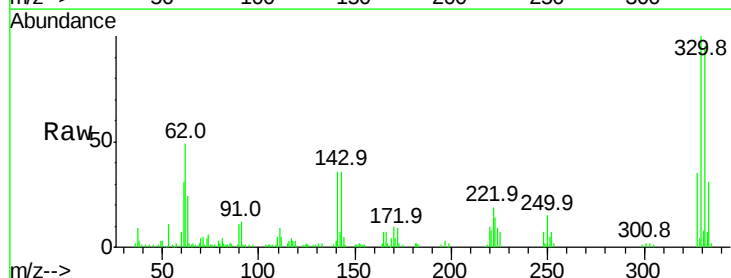


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

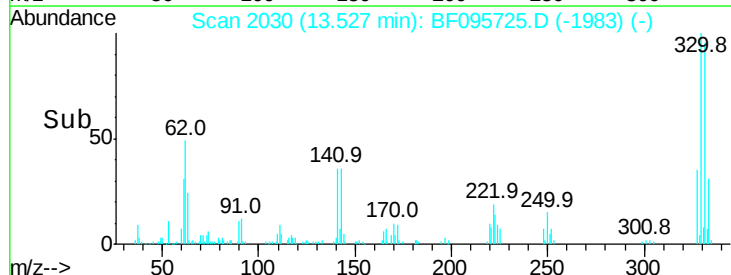
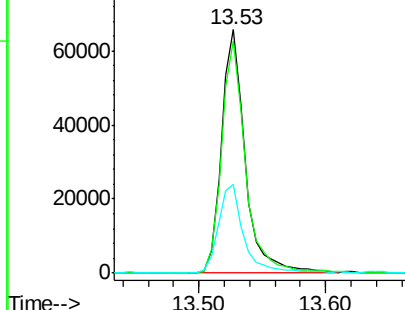


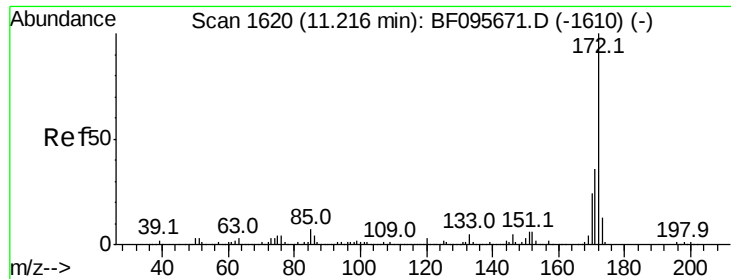
#41
 2,4,6-Tribromophenol
 Concen: 74.41 ng
 RT: 13.53 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF095725.D
 Acq: 6 Jun 2017 23:44

Tgt Ion:330 Resp: 85578
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 39.4 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

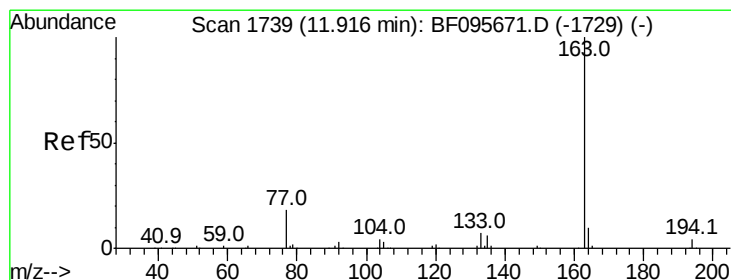
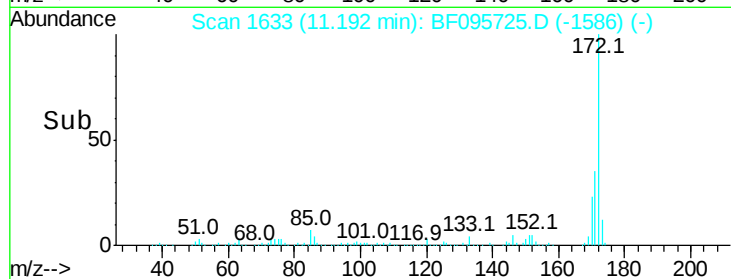
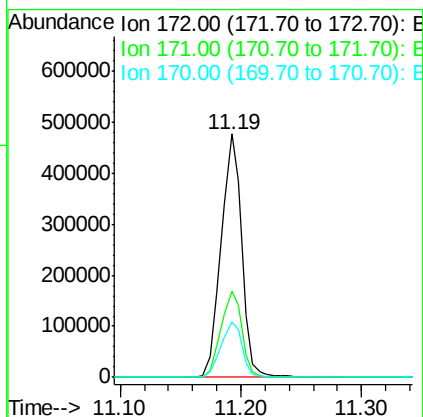
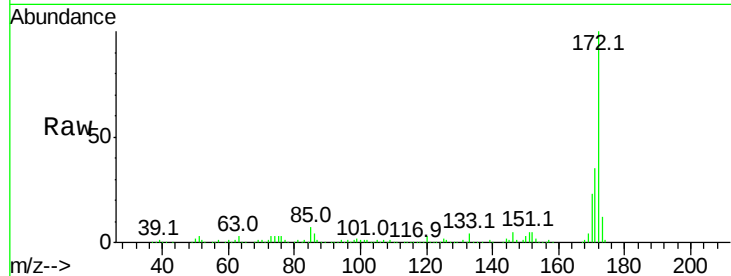




#44
2-Fluorobiphenyl
Concen: 60.26 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

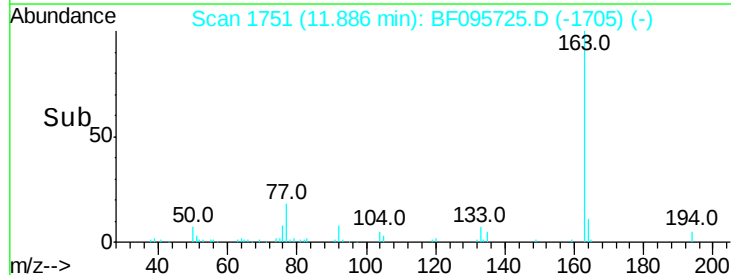
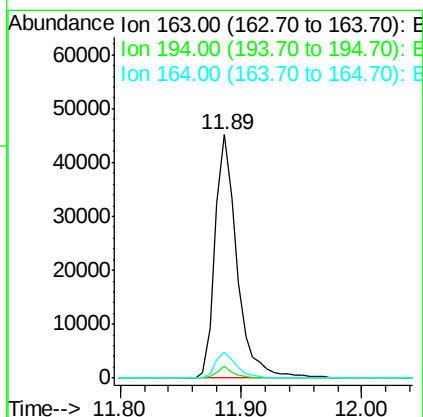
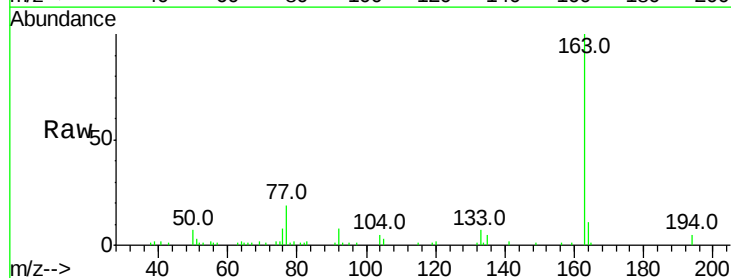
Instrument :
BNA_F
ClientSampleId :

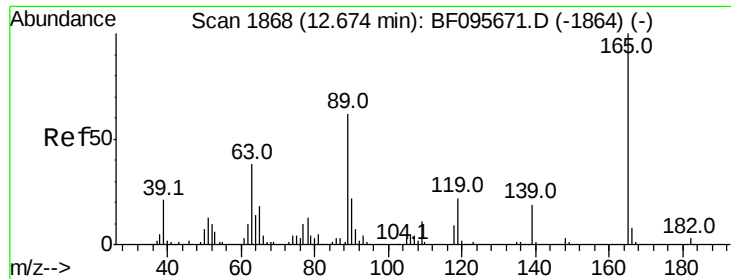
Tot Ion:172 Resp: 562884
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 22.9 19.8 29.8



#49
Dimethylphthalate
Concen: 5.73 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:163 Resp: 56559
Ion Ratio Lower Upper
163 100
194 4.8 2.6 4.0#
164 10.6 8.4 12.6

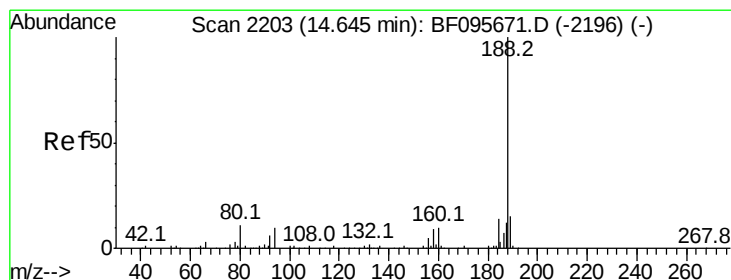
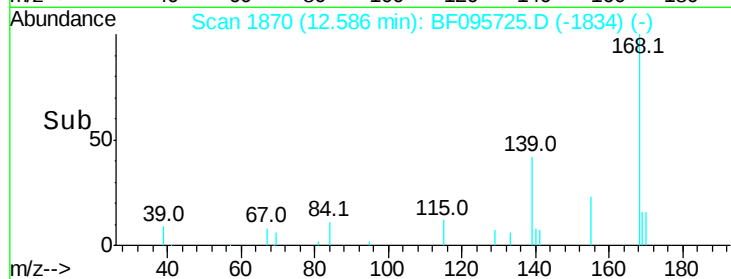
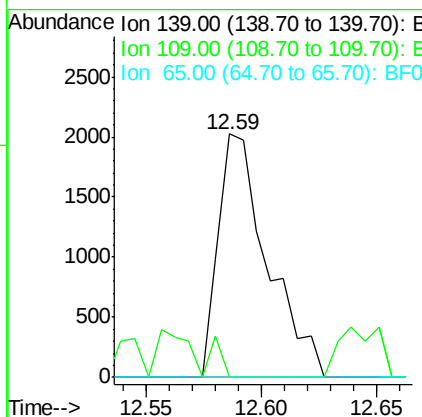
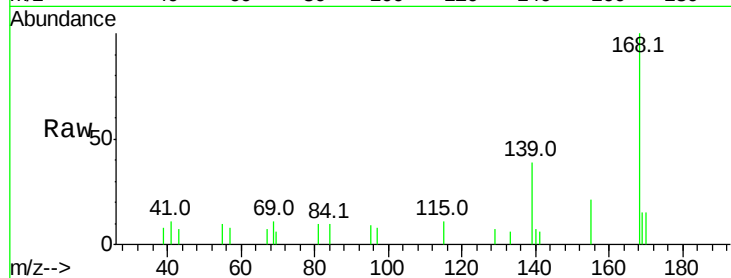




#55
4-Nitrophenol
Concen: 6.56 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

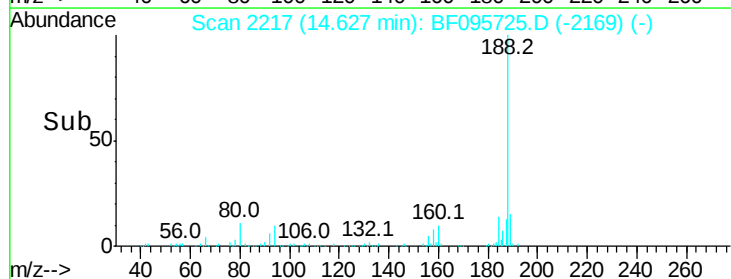
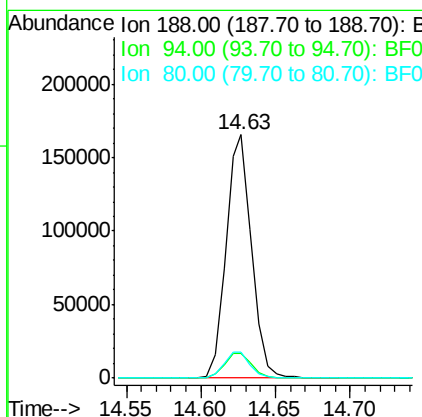
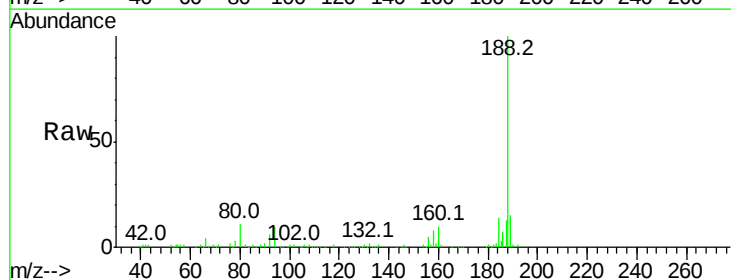
Instrument :
BNA_F
ClientSampled :

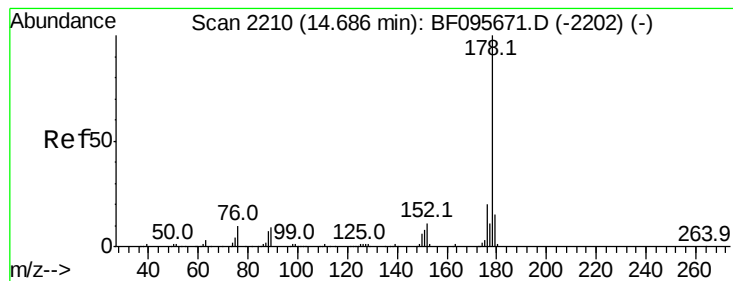
Tot Ion:139 Resp: 3001
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:188 Resp: 197482
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.9 10.2 15.2





#70

Phenanthrene

Concen: 11.60 ng

RT: 14.66 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

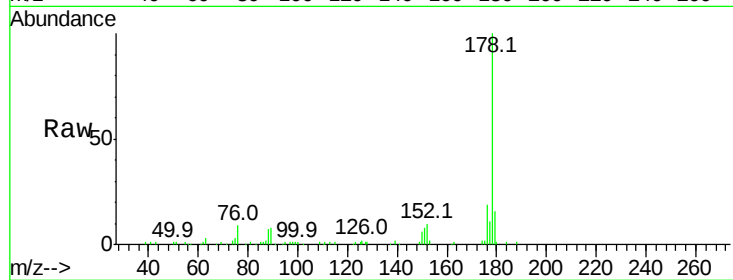
Tot Ion:178 Resp: 132185

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

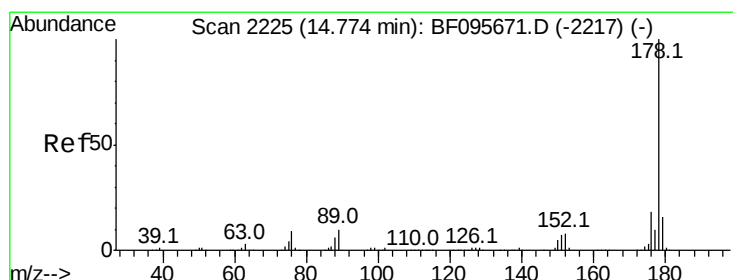
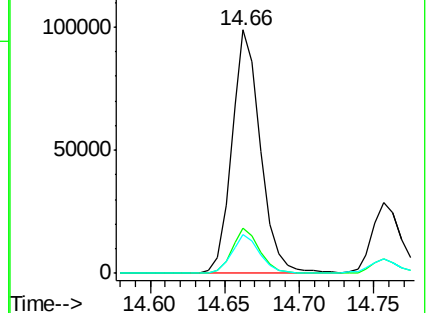
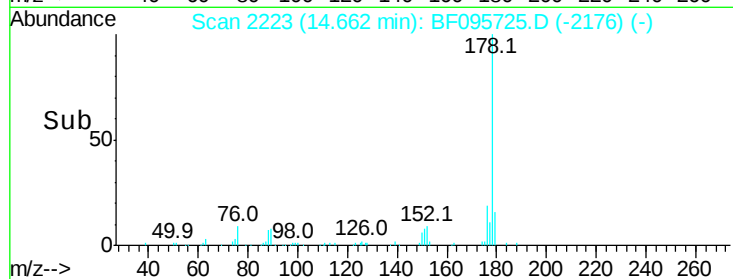
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 11.11 ng

RT: 14.66 min Scan# 2223

Delta R.T. -0.11 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

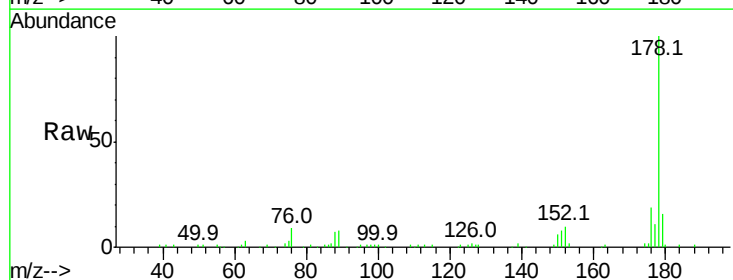
Tgt Ion:178 Resp: 132185

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

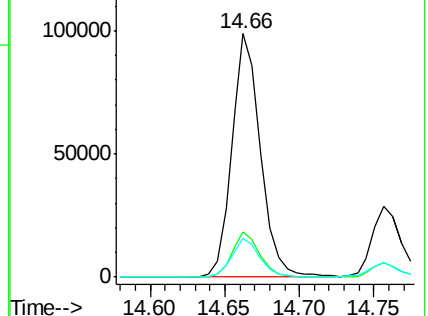
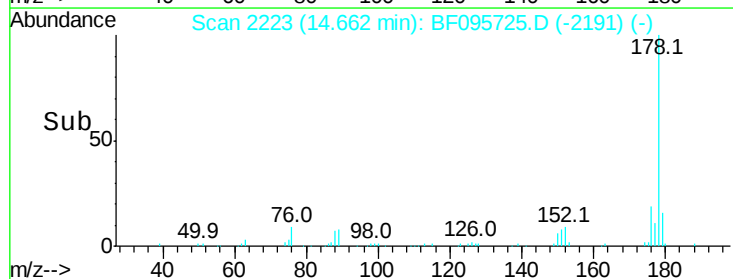
179 15.7 12.7 19.1

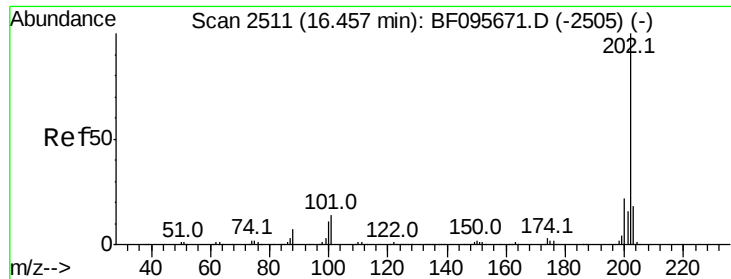


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.05 ng

RT: 16.44 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

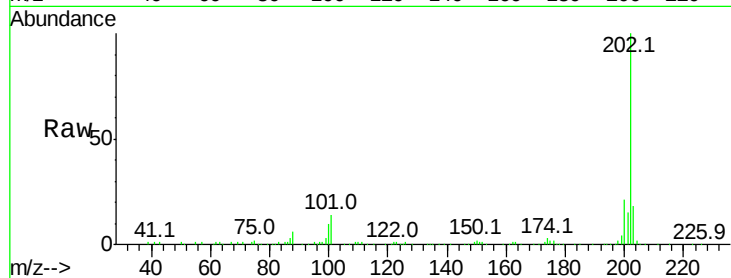
Tot Ion:202 Resp: 192279

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

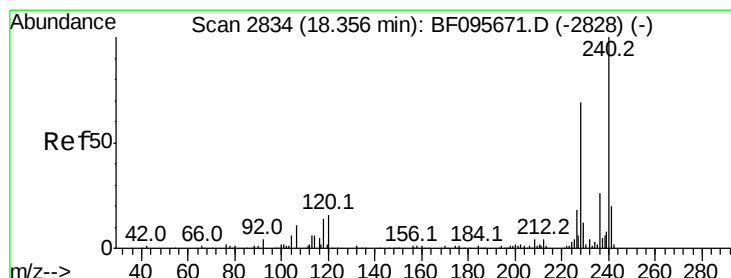
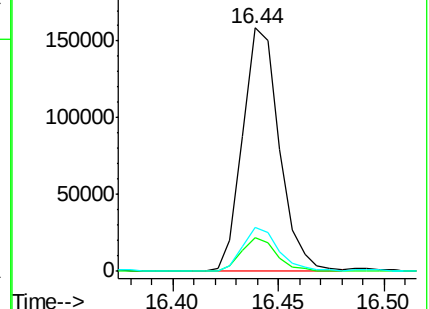
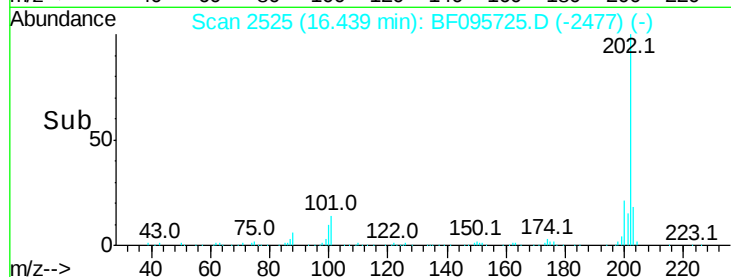
203 17.9 0.0 38.1



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# 2848

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

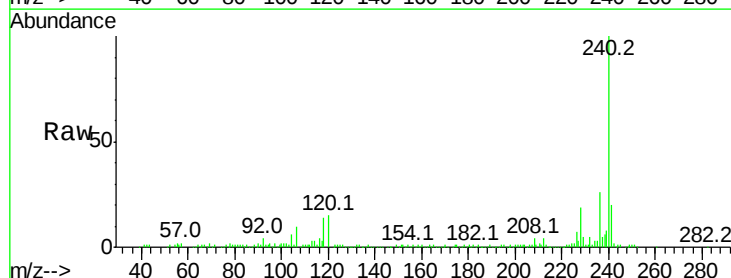
Tgt Ion:240 Resp: 157838

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

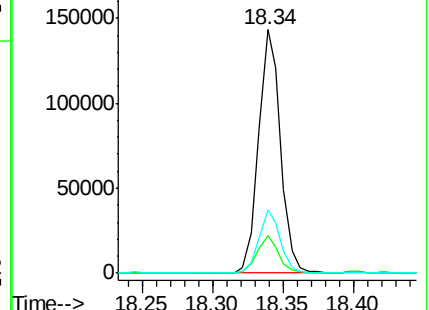
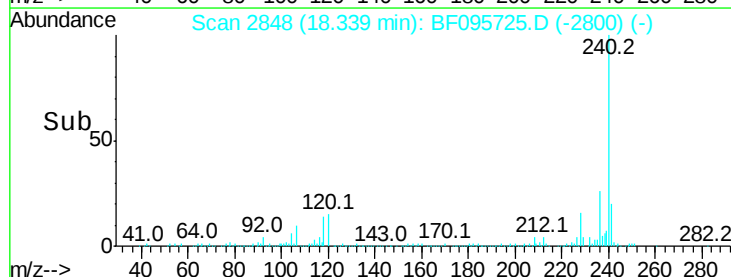
236 26.0 20.5 30.7

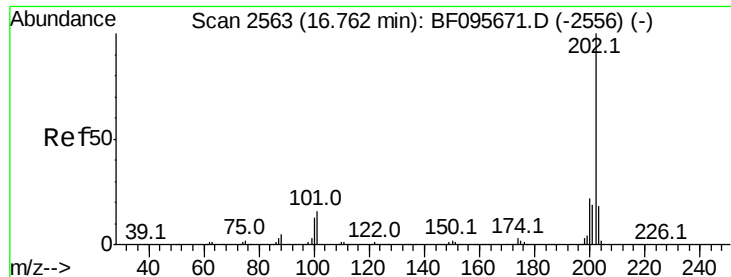


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

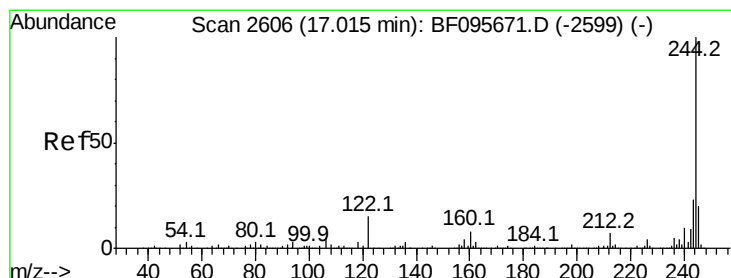
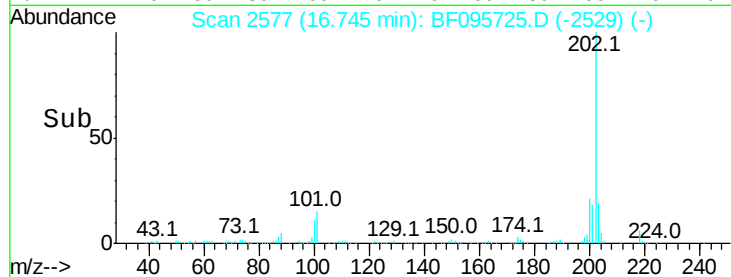
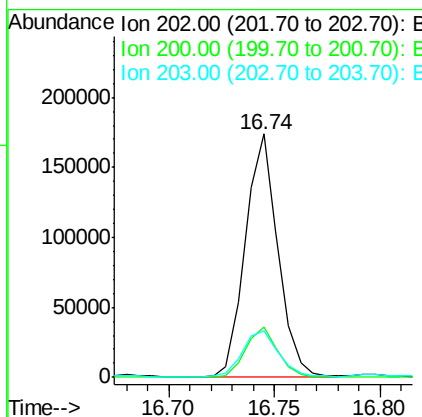
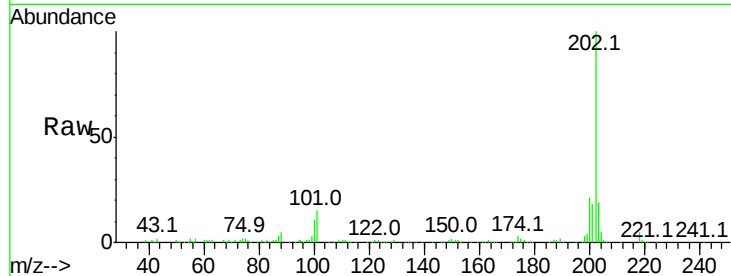




#77
Pvrene
Concen: 15.72 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

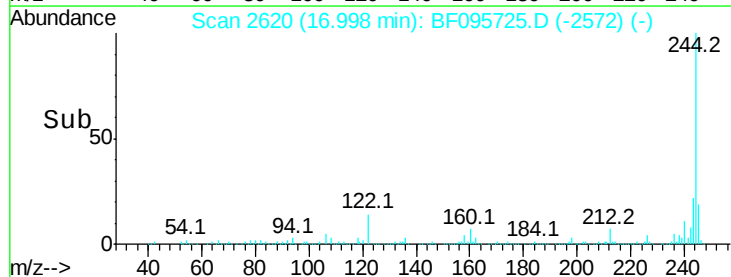
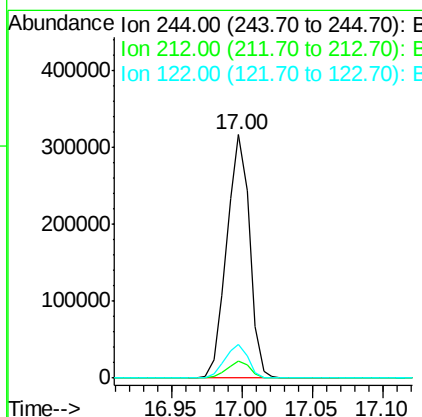
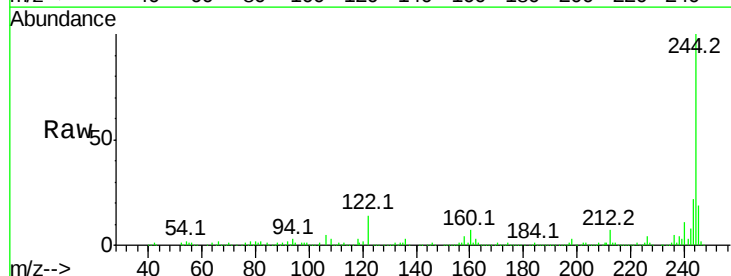
Instrument :
BNA_F
ClientSampleId :

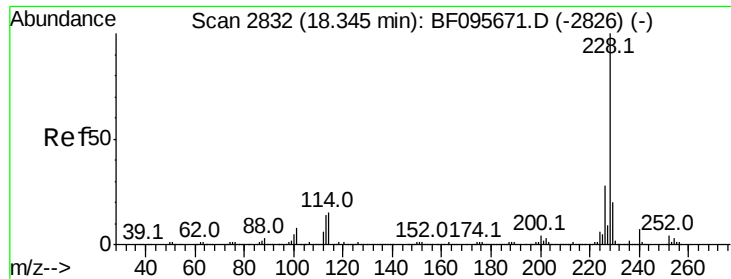
Tot Ion:202 Resp: 185084
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 19.2 14.4 21.6



#78
Terphenyl-d14
Concen: 55.79 ng
RT: 17.00 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:244 Resp: 354807
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 8.15 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

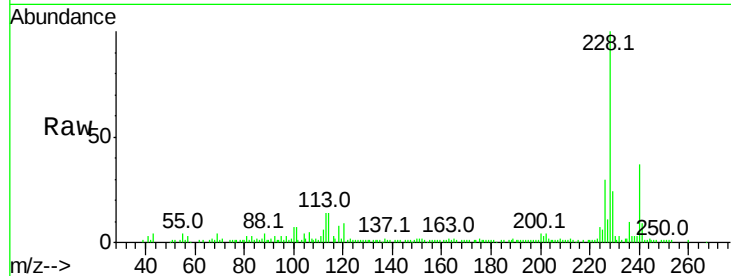
Tot Ion:228 Resp: 74816

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

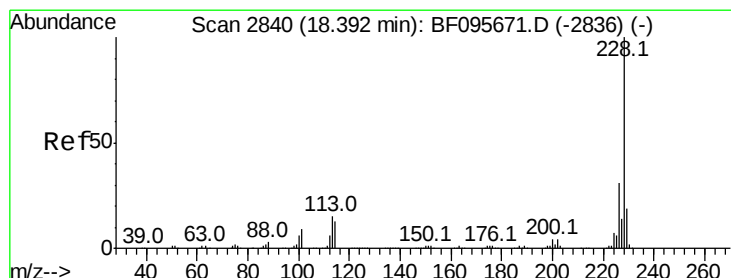
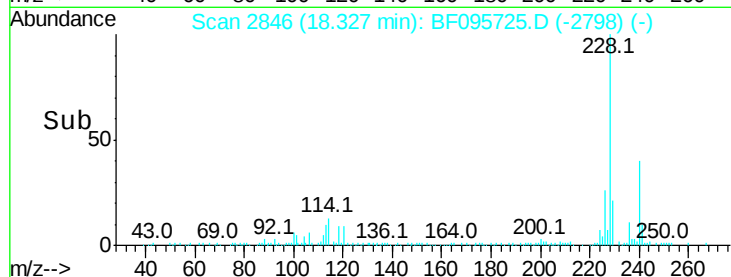
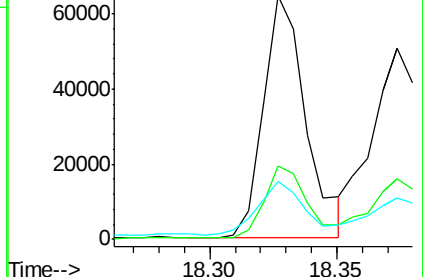
229 24.0 16.3 24.5



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: 7.68 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

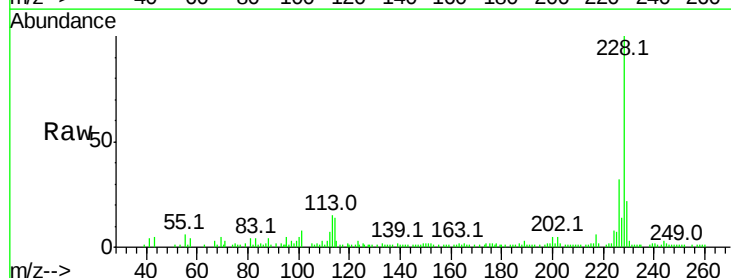
Tgt Ion:228 Resp: 70452

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

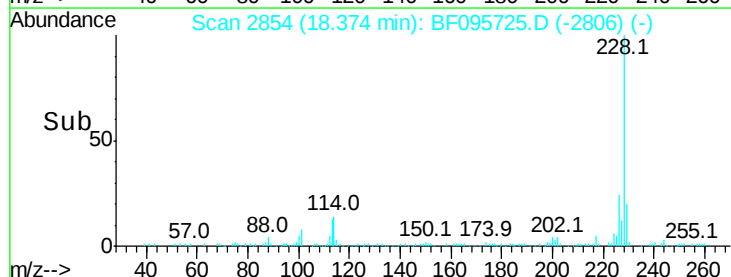
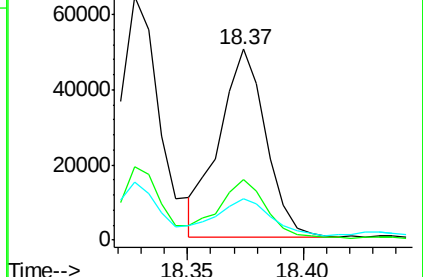
229 21.7 15.8 23.6

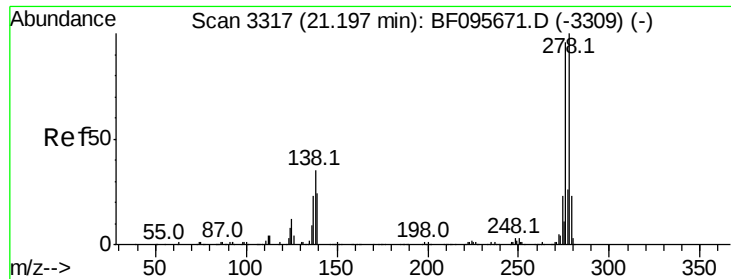


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

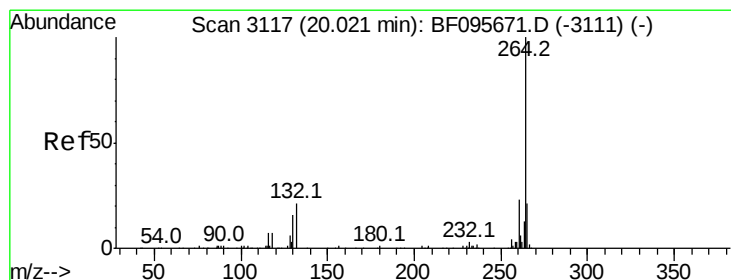
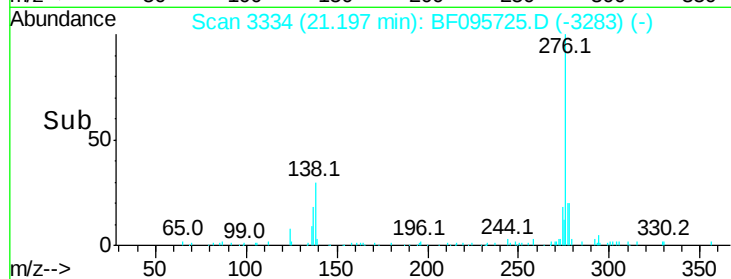
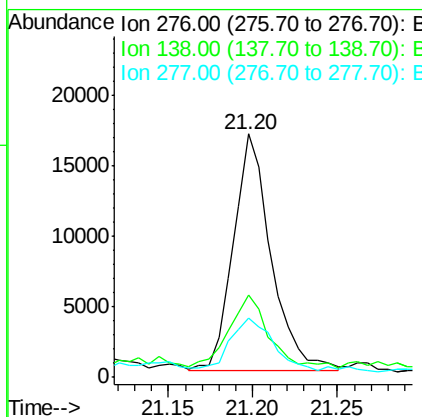
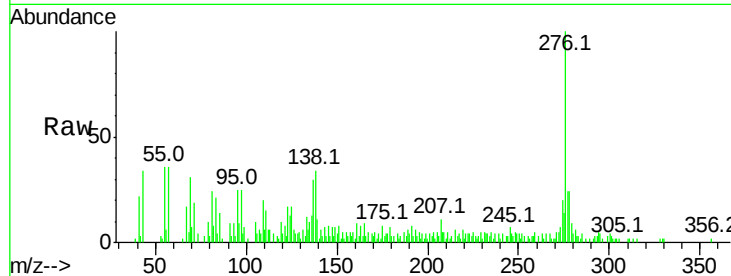




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.30 ng
 RT: 21.20 min Scan# 3334
 Delta R.T. -0.00 min
 Lab File: BF095725.D
 Acq: 6 Jun 2017 23:44

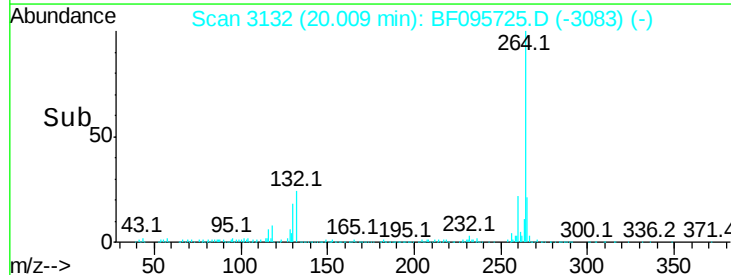
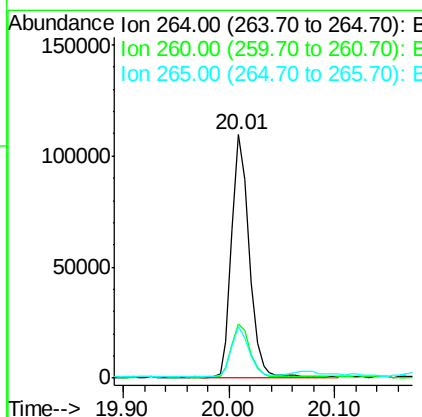
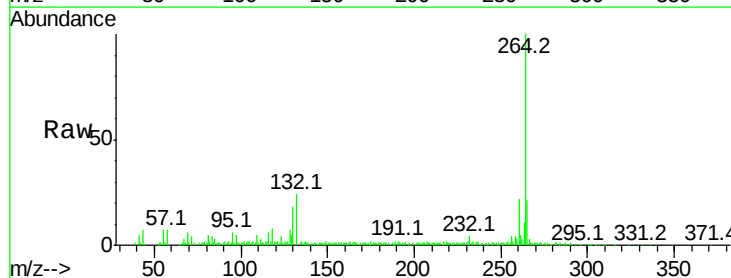
Instrument :
 BNA_F
 ClientSampleId :

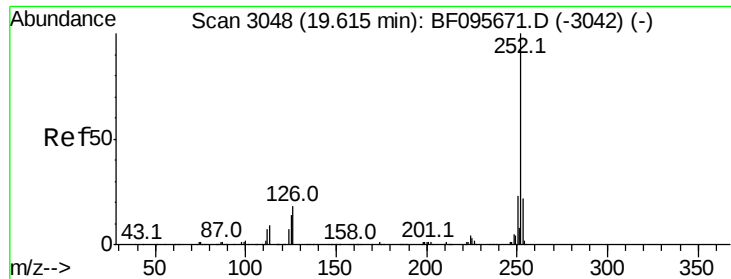
Tot Ion:276 Resp: 25882
 Ion Ratio Lower Upper
 276 100
 138 32.3 27.8 41.6
 277 24.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.01 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BF095725.D
 Acq: 6 Jun 2017 23:44

Tgt Ion:264 Resp: 128190
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.5 29.3
 265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 12.21 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095725.D

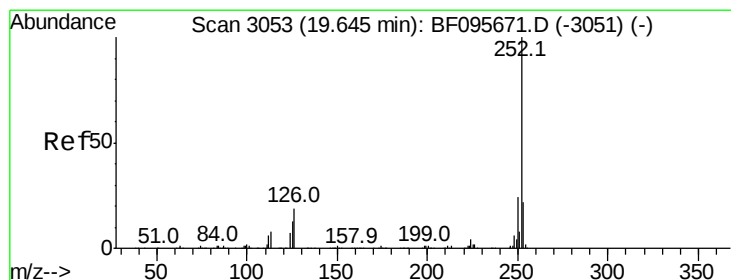
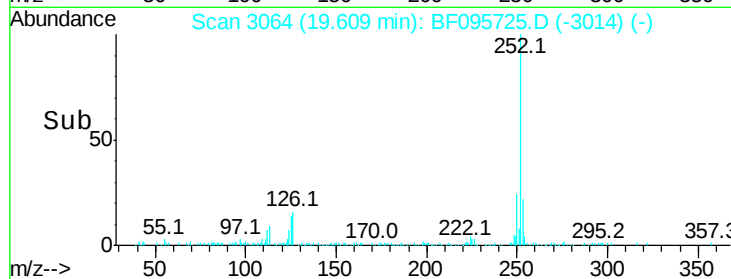
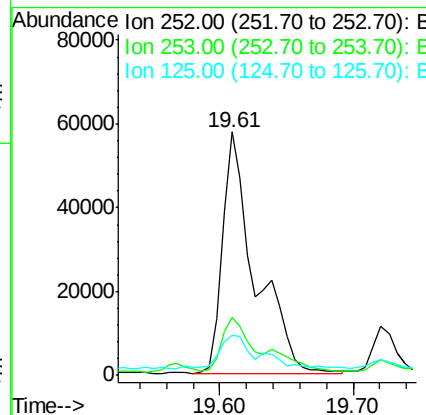
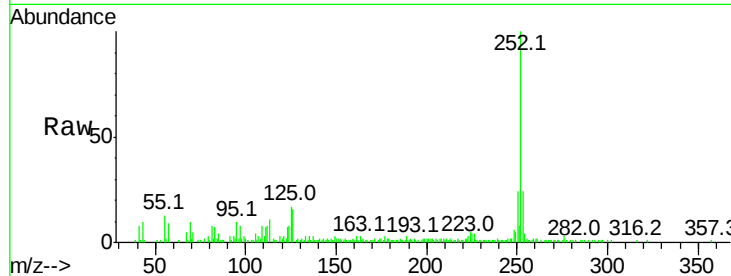
Acq: 6 Jun 2017 23:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	98010
Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	16.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 12.77 ng

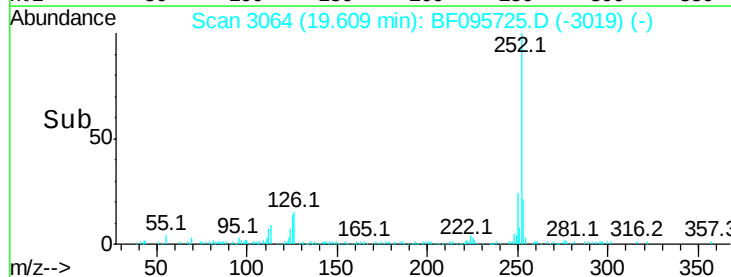
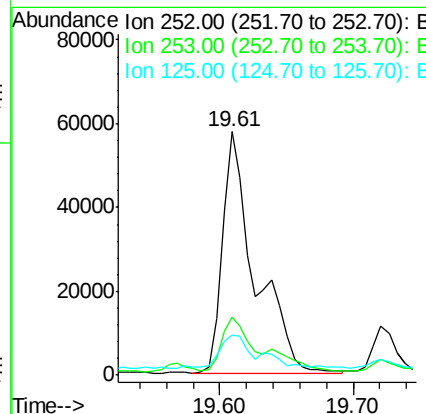
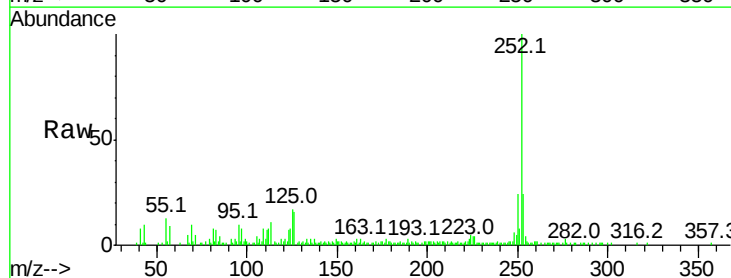
RT: 19.61 min Scan# 3064

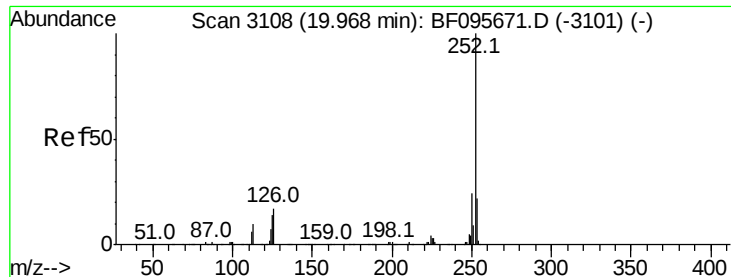
Delta R.T. -0.04 min

Lab File: BF095725.D

Acq: 6 Jun 2017 23:44

Tgt Ion:	252	Resp:	98010
Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	16.7	13.1	19.7

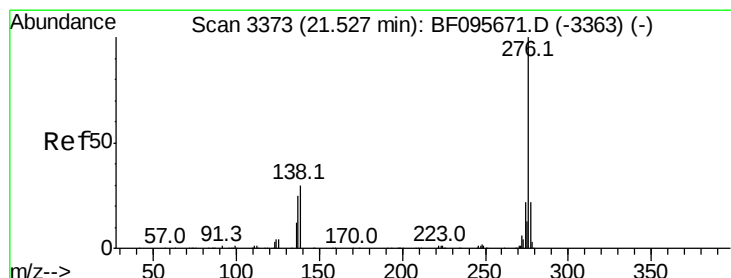
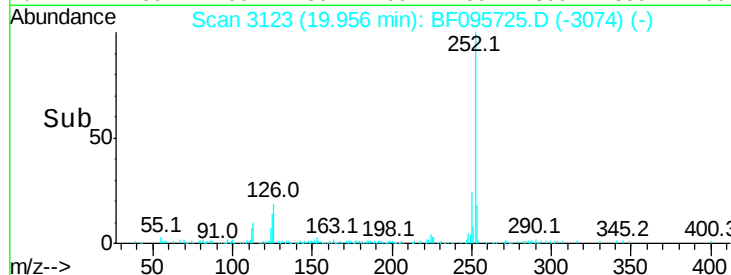
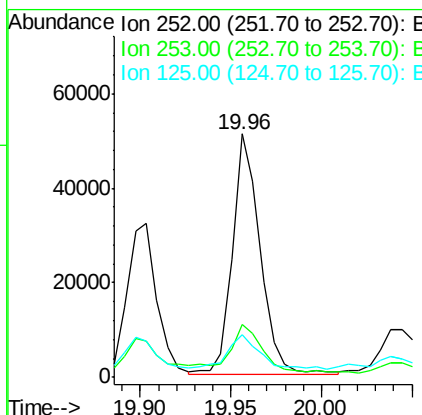
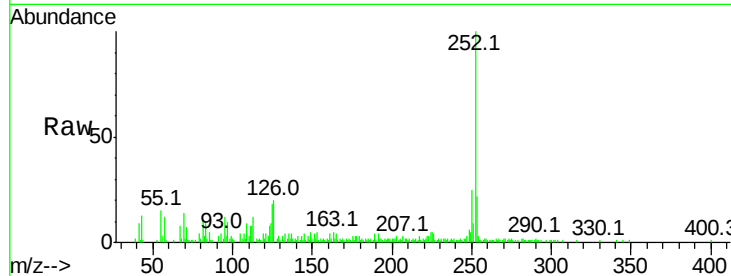




#89
Benzo(a)pyrene
Concen: 7.38 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 54428
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 17.6 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.01 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:276 Resp: 25595
Ion Ratio Lower Upper
276 100
277 27.5 18.6 28.0
138 36.0 25.4 38.0

