

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095727.D
 Acq On : 7 Jun 2017 00:48
 Operator : SJ/MA
 Sample : I3482-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:49:59 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

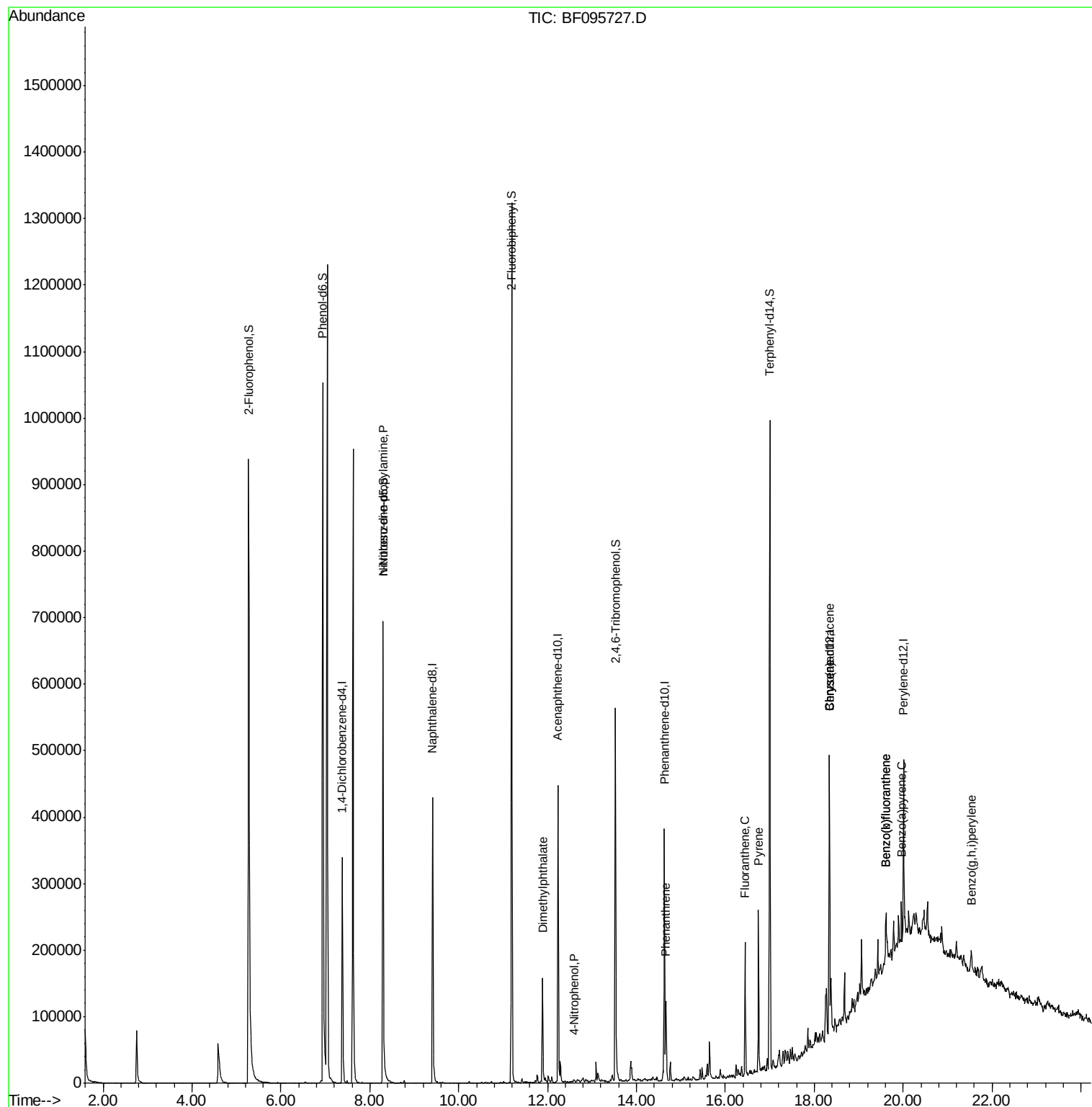
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80264	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	299731	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	120033	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	182207	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	153414	20.00	ng	-0.01
86) Perylene-d12	20.01	264	107710	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	516053	102.45	ng	-0.01
7) Phenol-d6	6.94	99	590822	97.98	ng	-0.02
23) Nitrobenzene-d5	8.30	82	334551	69.32	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	90475	85.19	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	579249	67.15	ng	-0.02
78) Terphenyl-d14	17.00	244	360562	58.33	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.30	70	41112	10.76	ng	# 74
49) Dimethylphthalate	11.89	163	93475	10.26	ng	# 98
55) 4-Nitrophenol	12.59	139	1212	5.47	ng	# 25
70) Phenanthrene	14.66	178	68392	6.51	ng	98
74) Fluoranthene	16.44	202	108820	10.46	ng	98
77) Pyrene	16.74	202	96640	8.44	ng	# 92
80) Benzo(a)anthracene	18.33	228	43328	4.86	ng	94
82) Chrysene	18.33	228	43328	4.86	ng	97
87) Benzo(b)fluoranthene	19.61	252	53038	7.86	ng	# 89
88) Benzo(k)fluoranthene	19.61	252	53038	8.23	ng	93
89) Benzo(a)pyrene	19.96	252	27127	4.38	ng	# 96
91) Benzo(a,h,i)perylene	21.53	276	15252	2.85	ng	# 76

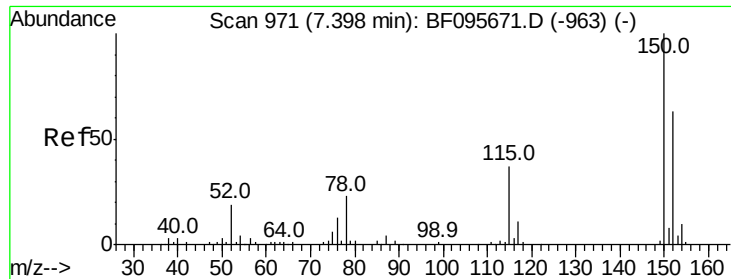
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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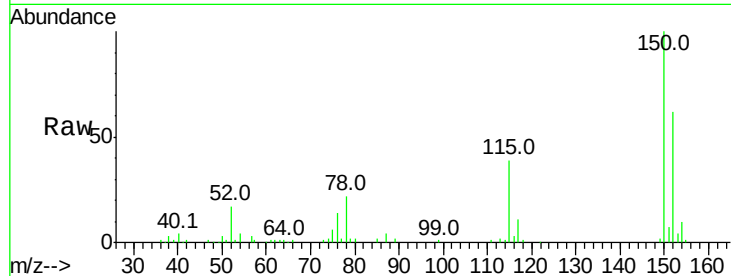


#1

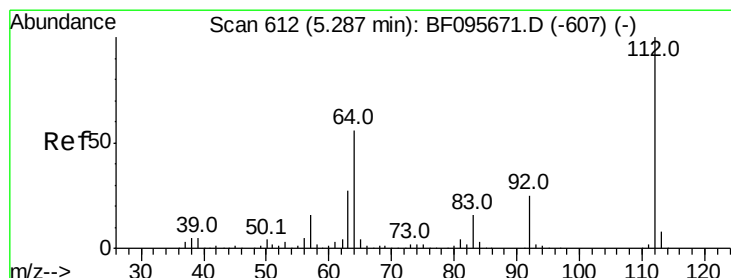
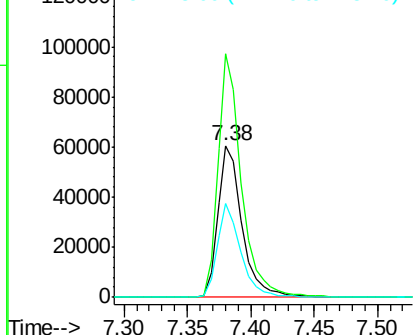
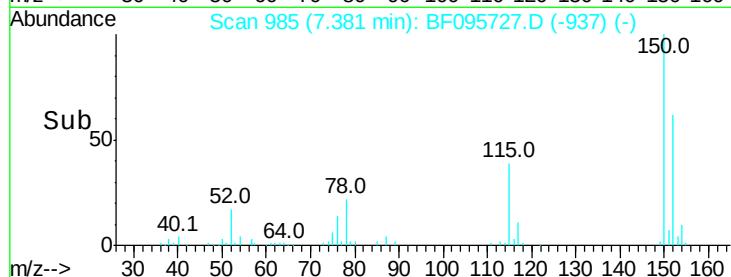
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80264
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 61.7 52.2 78.2



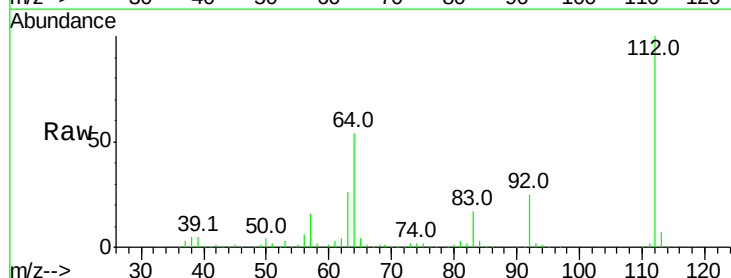
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



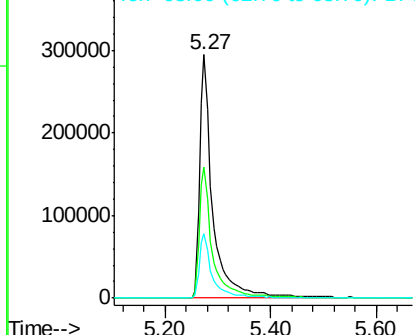
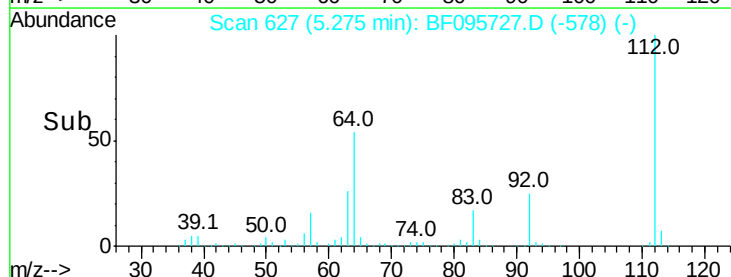
#5

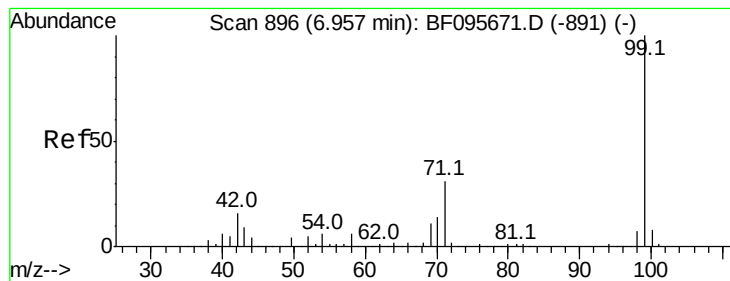
2-Fluorophenol
Concen: 102.45 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion:112 Resp: 516053
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 26.3 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: 97.98 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampled :

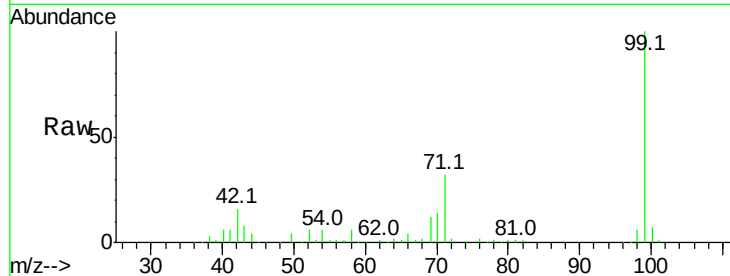
Tot Ion: 99 Resp: 590822

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

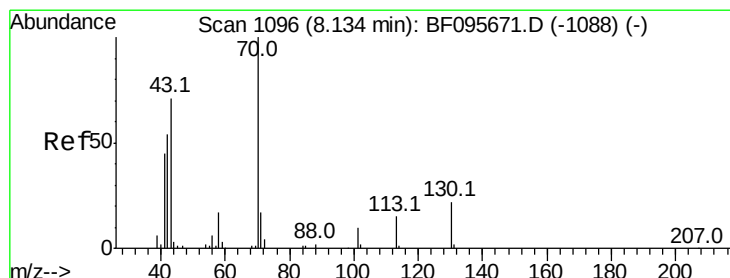
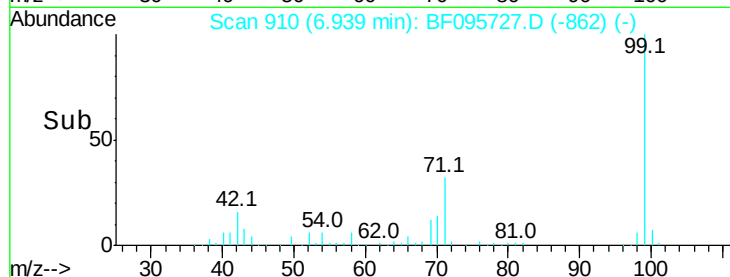
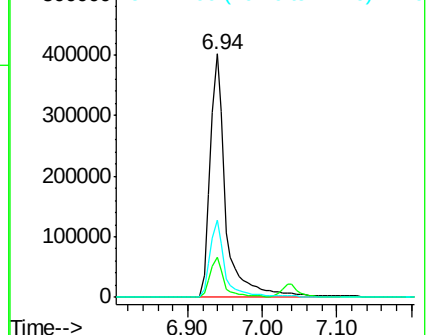
71 31.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.76 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Tgt Ion: 70 Resp: 41112

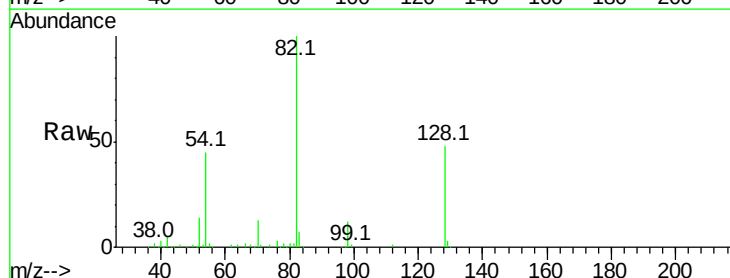
Ion Ratio Lower Upper

70 100

42 42.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

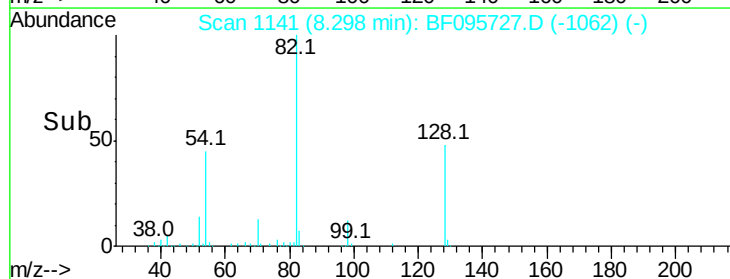
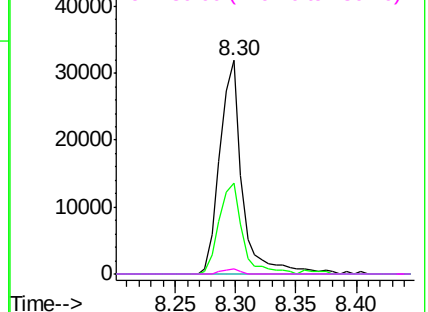


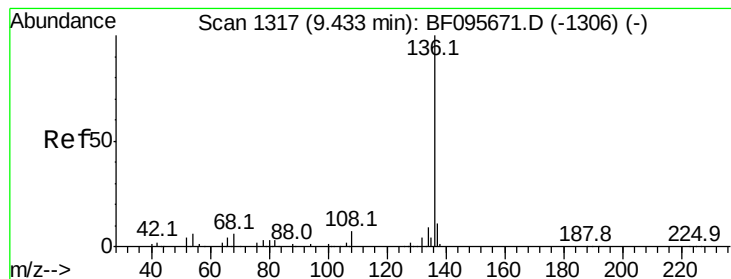
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 299731

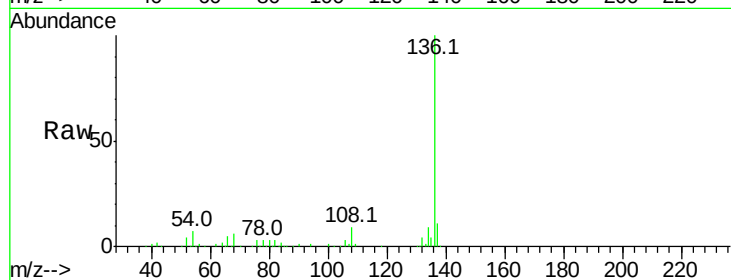
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

68 5.7 4.1 6.1

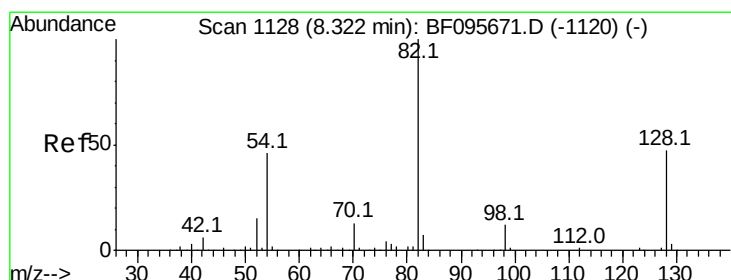
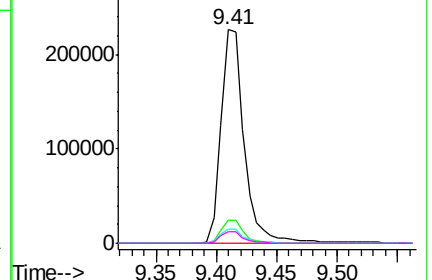
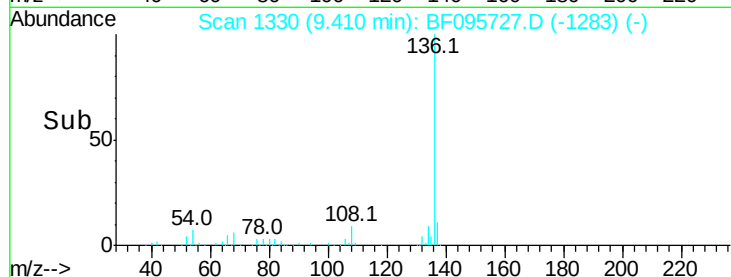


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.32 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

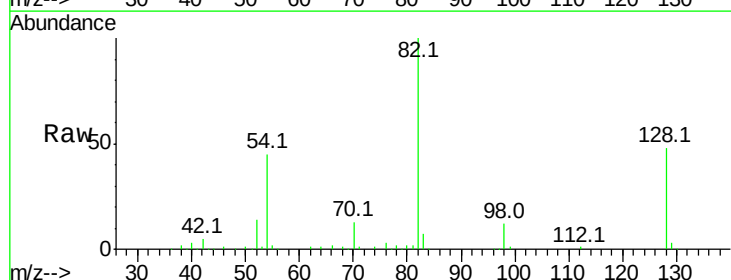
Tgt Ion: 82 Resp: 334551

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

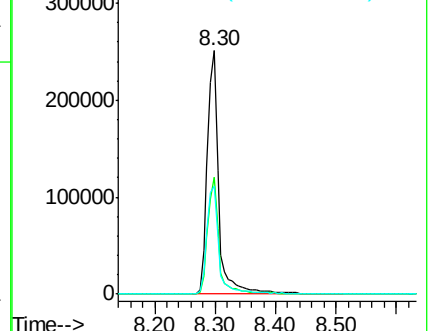
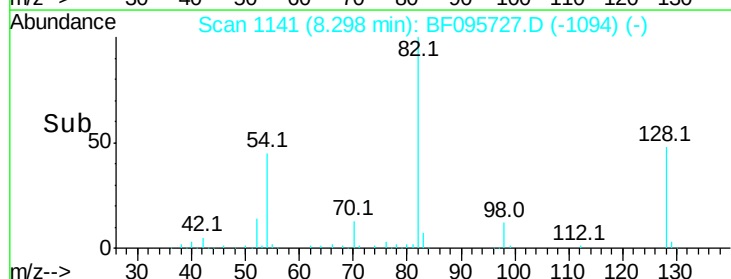
54 44.6 42.2 63.2

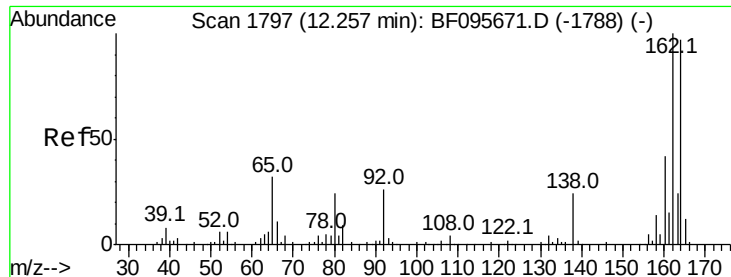


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.23 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampleId :

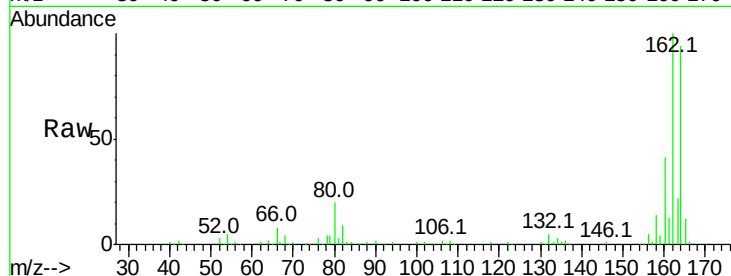
Tot Ion:164 Resp: 120033

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

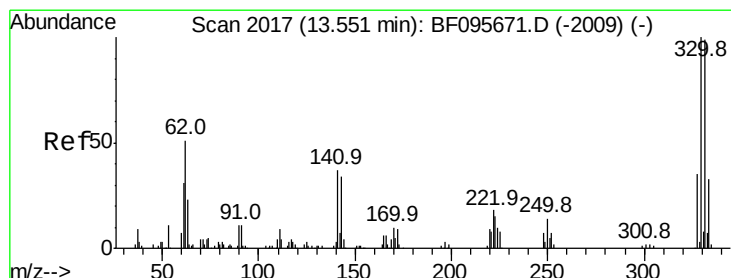
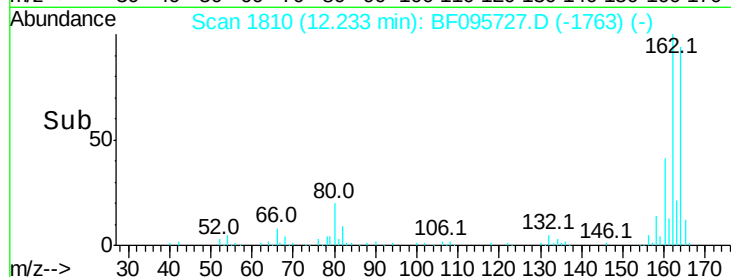
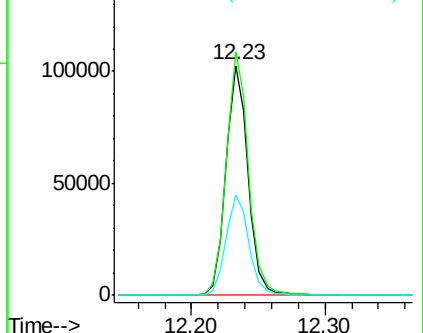
160 43.6 36.2 54.2



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: 85.19 ng

RT: 13.53 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

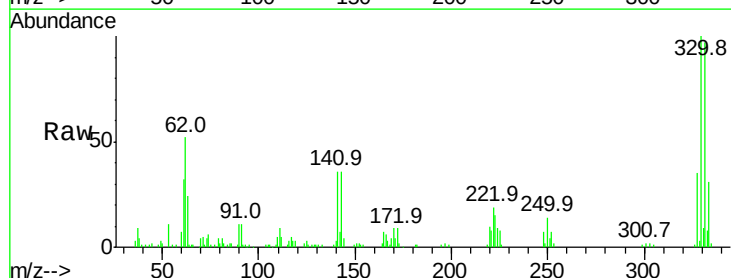
Tgt Ion:330 Resp: 90475

Ion Ratio Lower Upper

330 100

332 98.2 76.6 115.0

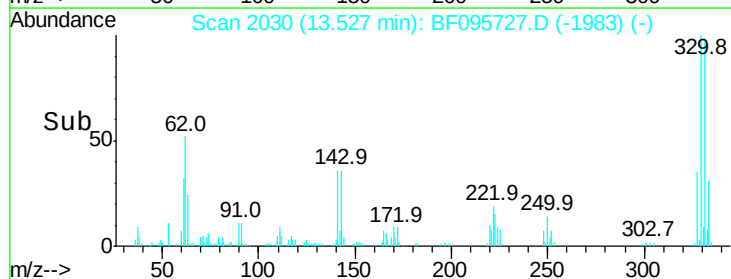
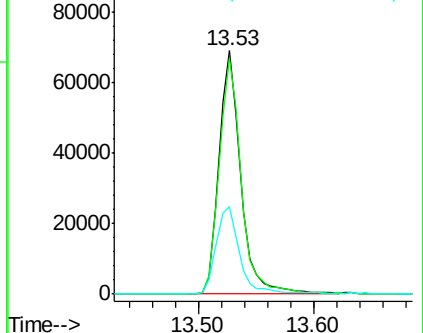
141 38.8 31.4 47.2

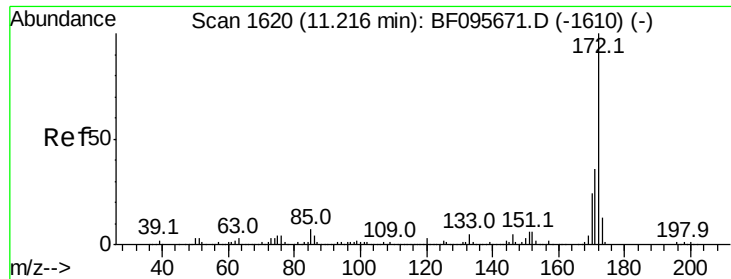


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

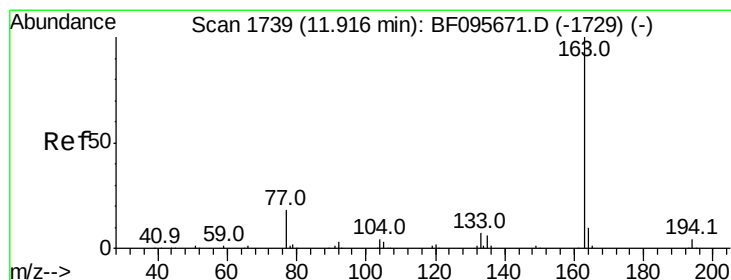
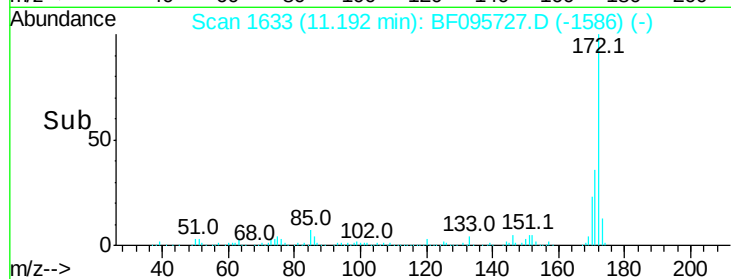
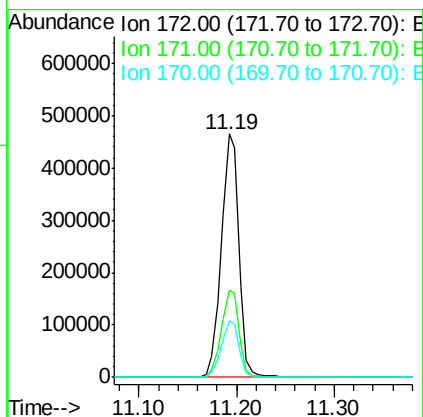
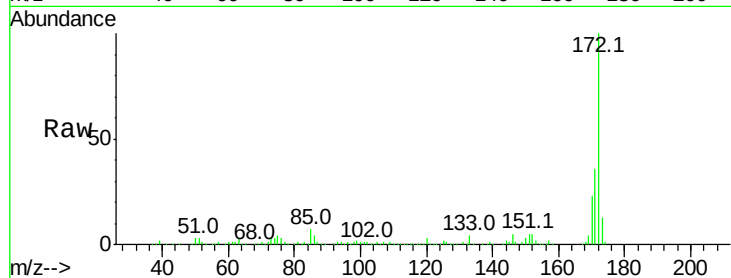




#44
2-Fluorobiphenyl
Concen: 67.15 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

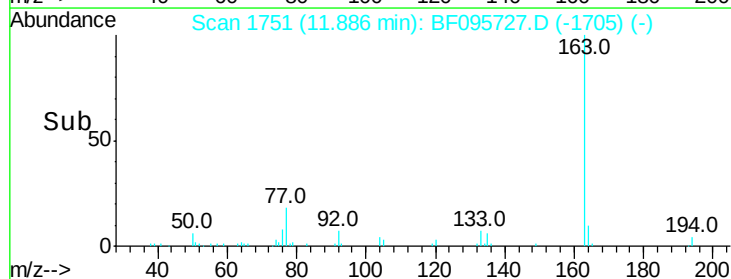
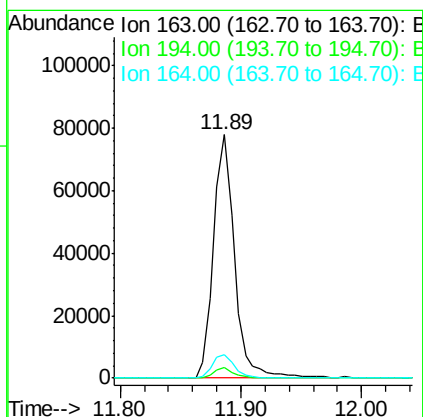
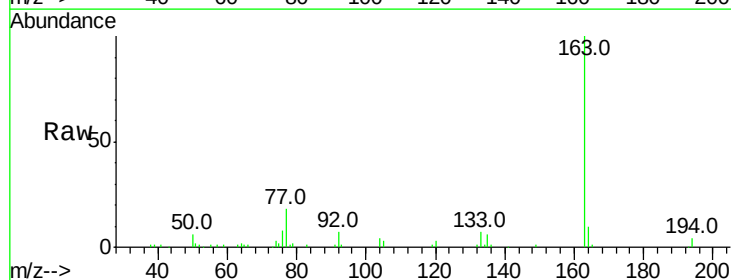
Instrument :
BNA_F
ClientSampleId :

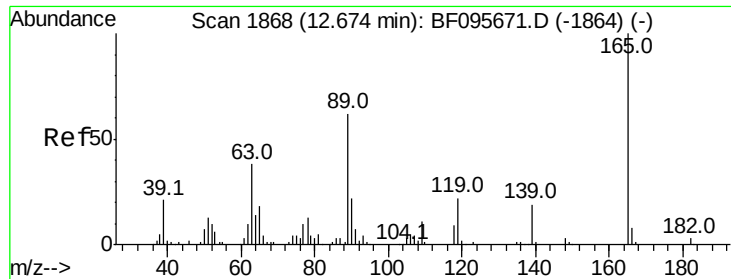
Tot Ion:172 Resp: 579249
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 10.26 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion:163 Resp: 93475
Ion Ratio Lower Upper
163 100
194 4.3 2.6 4.0#
164 9.8 8.4 12.6

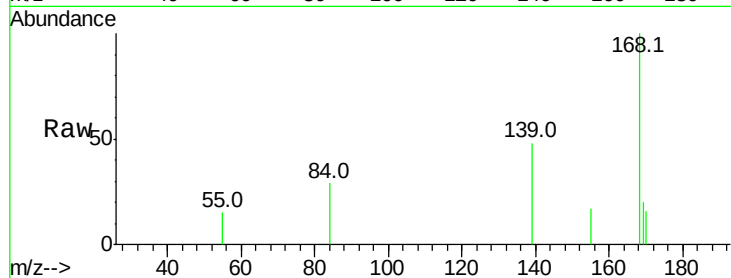




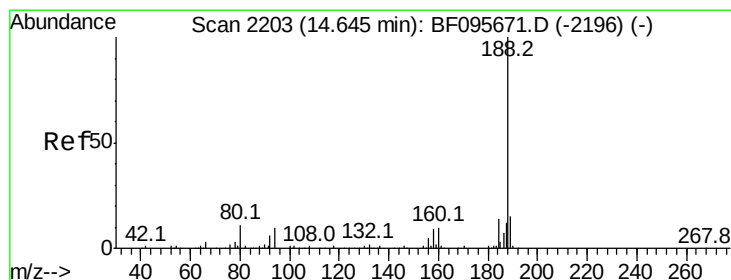
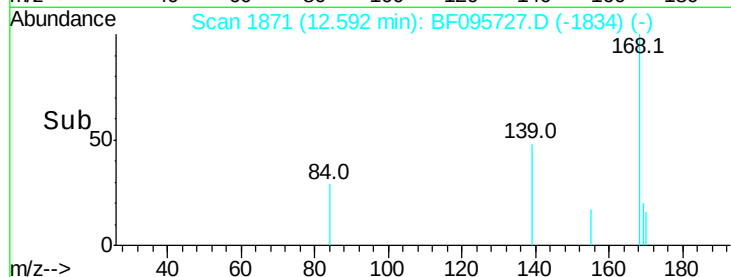
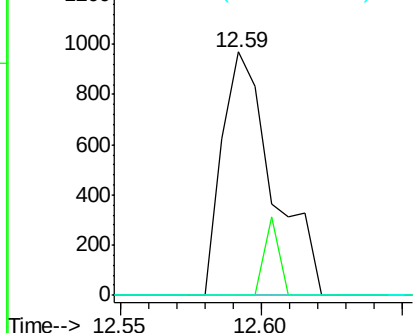
#55
4-Nitrophenol
Concen: 5.47 ng
RT: 12.59 min Scan# 1871
Delta R.T. -0.08 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1212
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

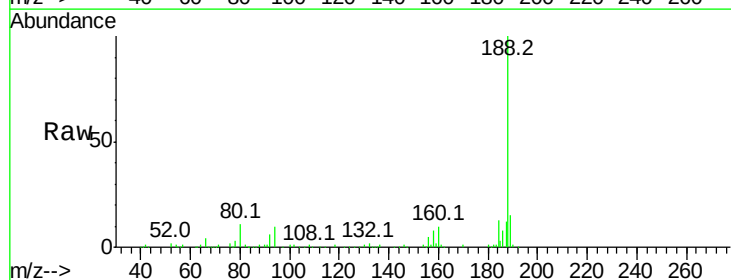


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

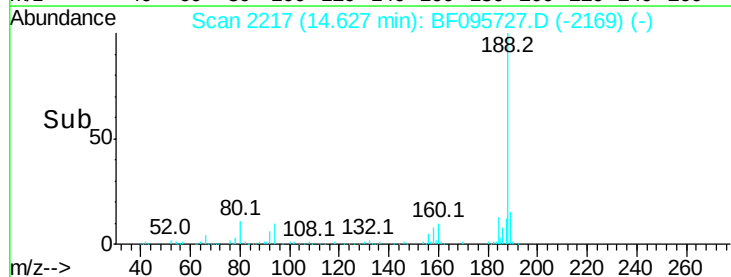
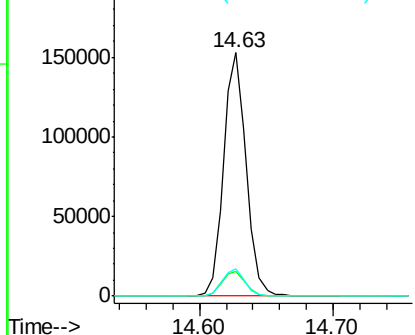


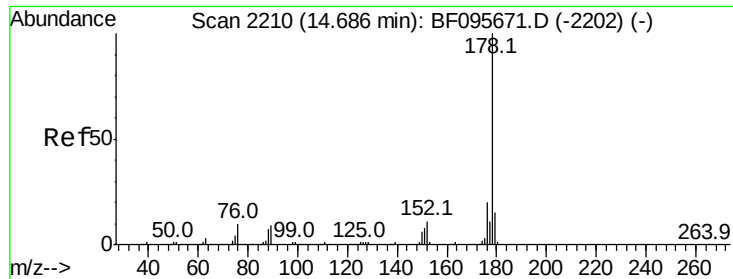
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion:188 Resp: 182207
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.4 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

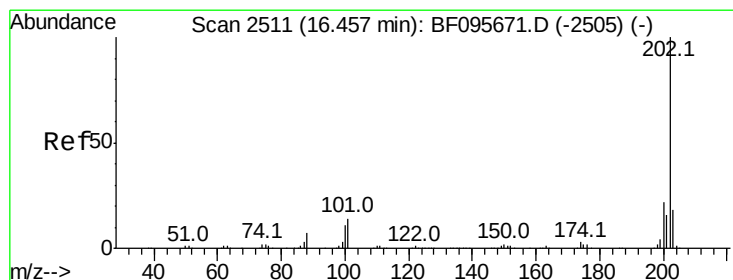
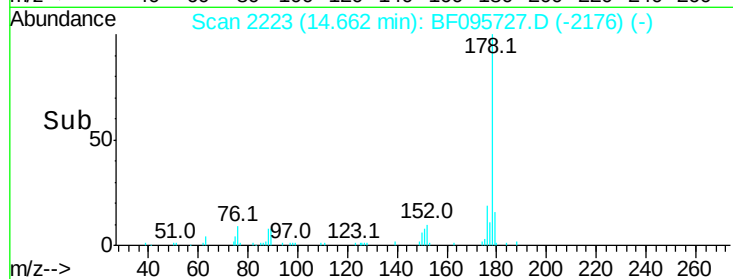
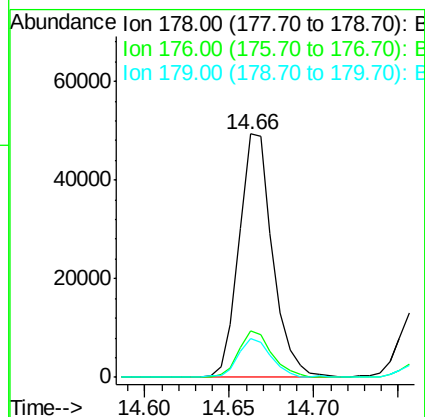
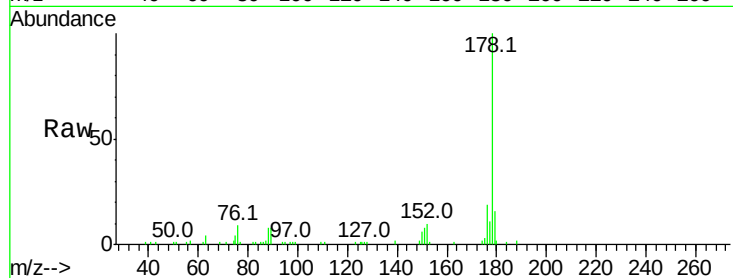




#70
Phenanthrene
Concen: 6.51 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

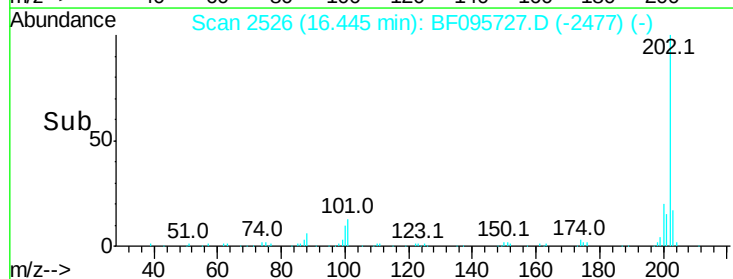
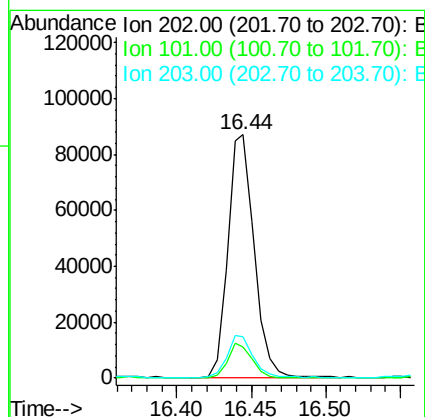
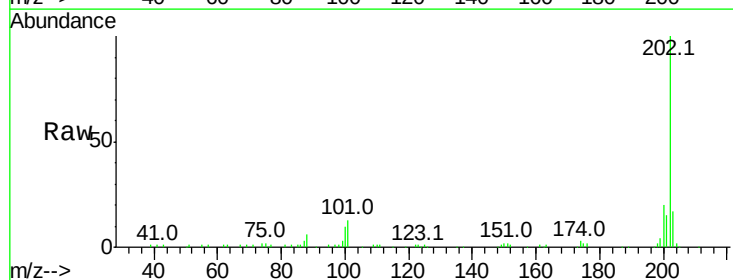
Instrument :
BNA_F
ClientSampleId :

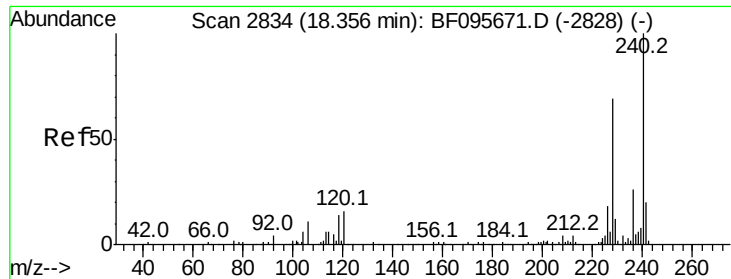
Tot Ion:178 Resp: 68392
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 16.0 12.6 19.0



#74
Fluoranthene
Concen: 10.46 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion:202 Resp: 108820
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampleId :

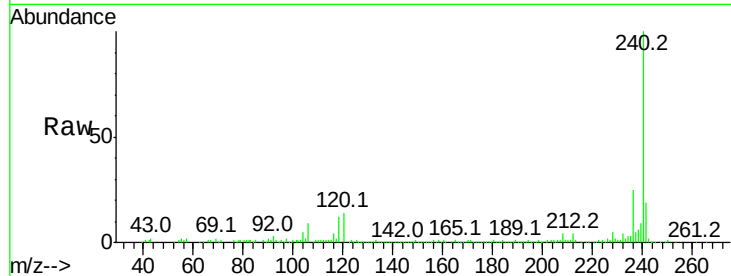
Tot Ion:240 Resp: 153414

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

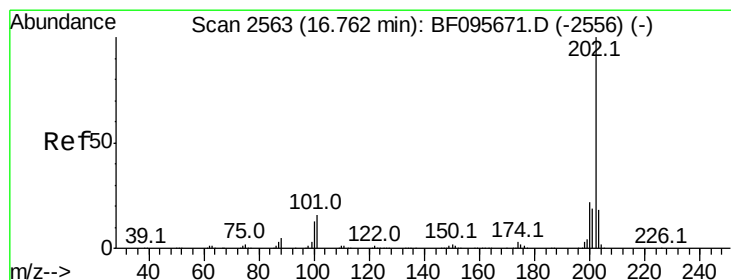
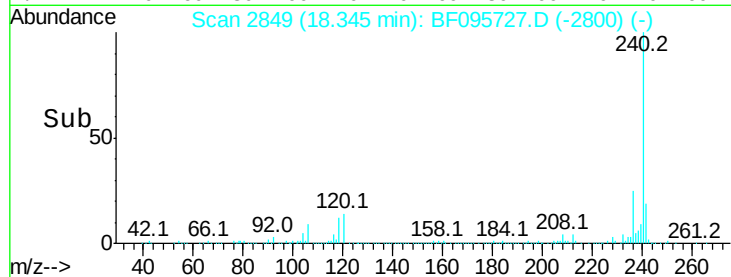
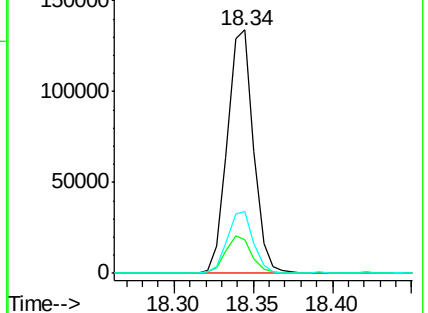
236 25.1 20.5 30.7



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: 8.44 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

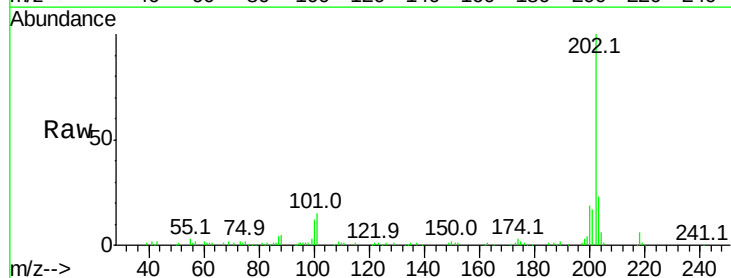
Tgt Ion:202 Resp: 96640

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

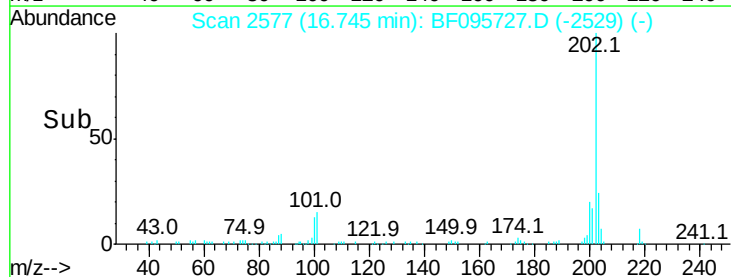
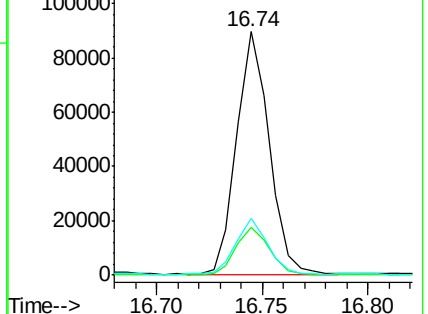
203 23.3 14.4 21.6#

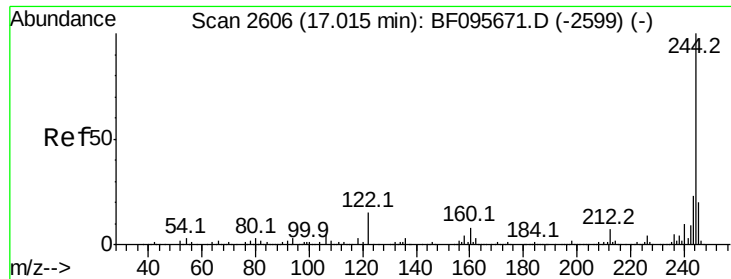


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

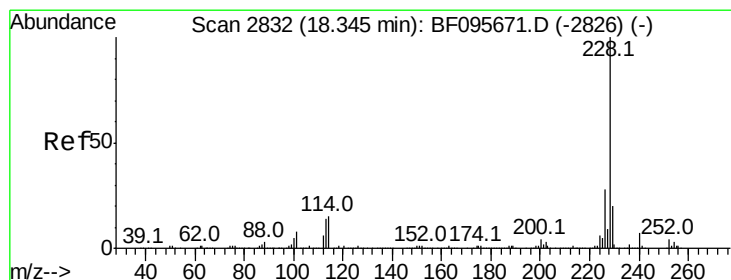
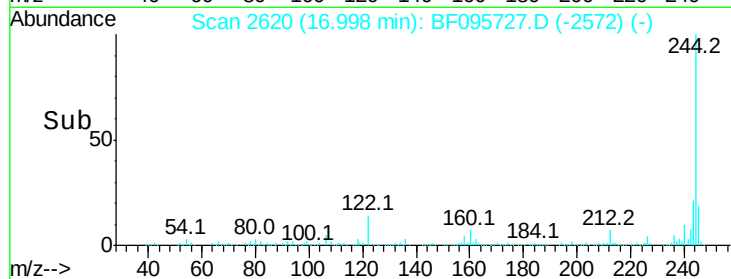
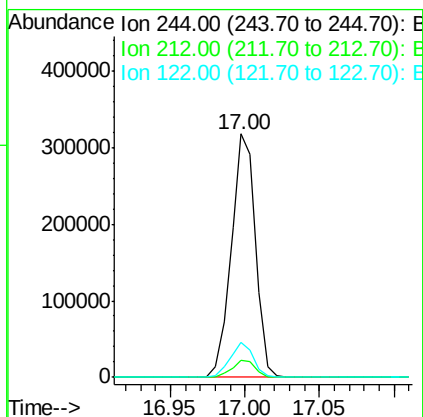
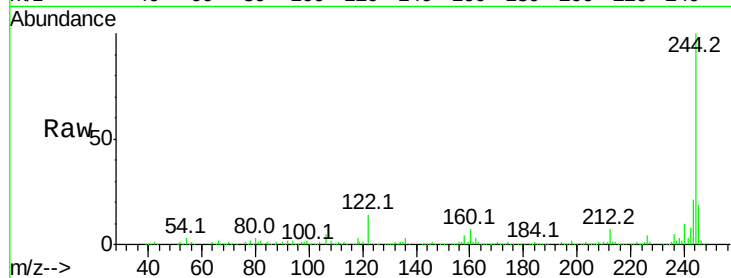




#78
 Terphenyl-d14
 Concen: 58.33 ng
 RT: 17.00 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

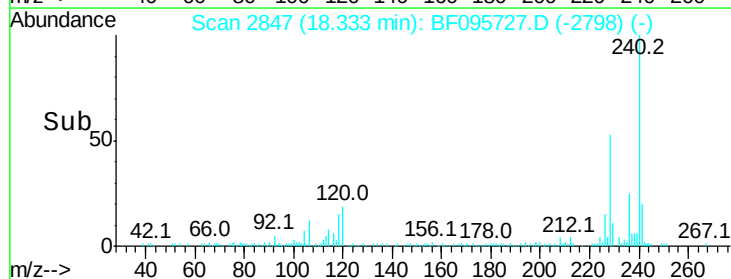
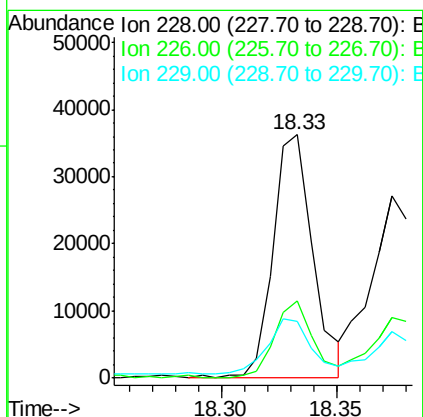
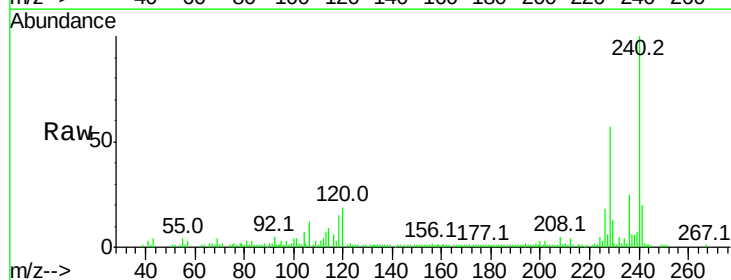
Instrument :
 BNA_F
 ClientSampleId :

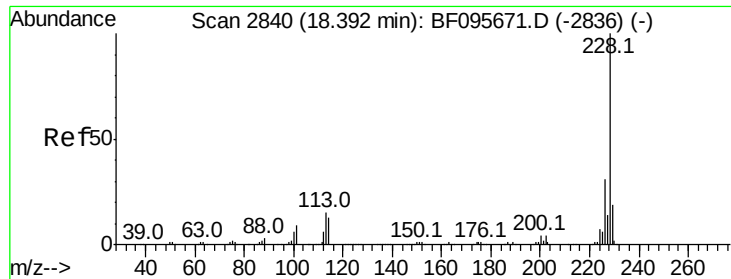
Tot Ion:244 Resp: 360562
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.86 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

Tgt Ion:228 Resp: 43328
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.6 33.8
 229 23.1 16.3 24.5





#82

Chrysene

Concen: 4.86 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.06 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampled :

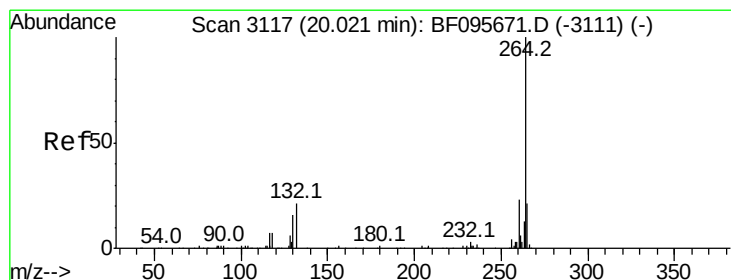
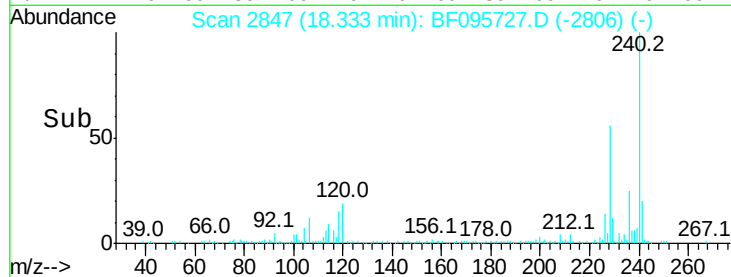
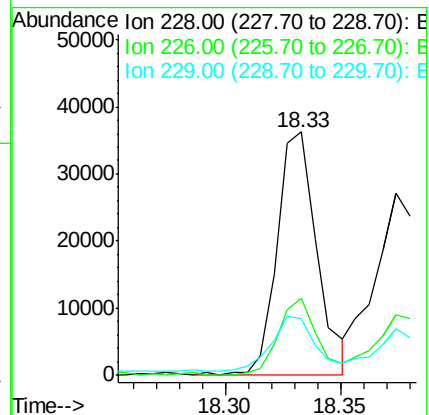
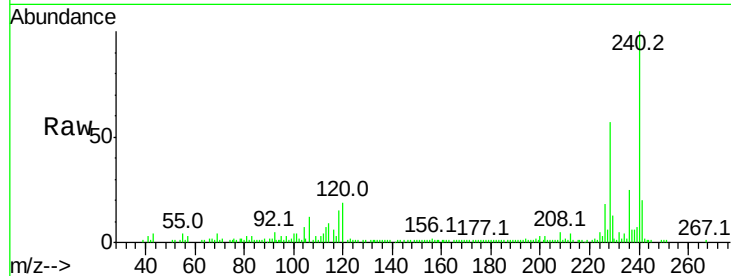
Tot Ion:228 Resp: 43328

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

229 23.1 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

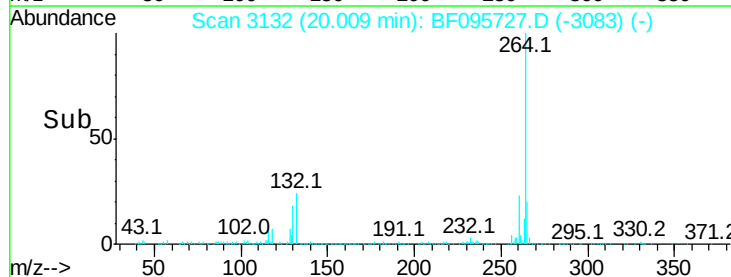
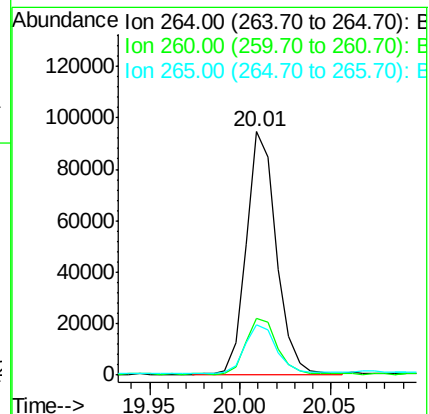
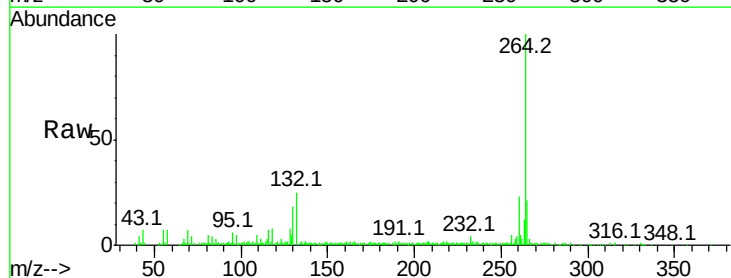
Tgt Ion:264 Resp: 107710

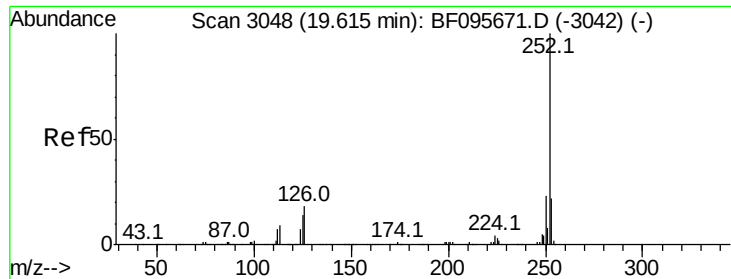
Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 20.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.86 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095727.D

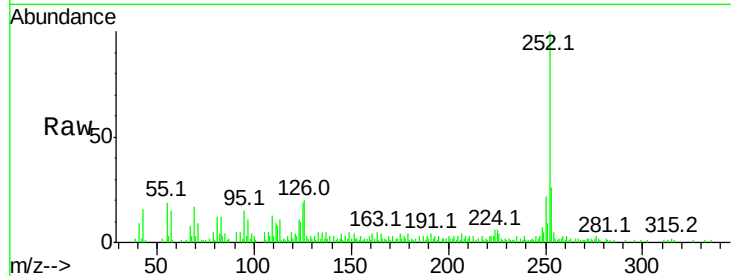
Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampleId :

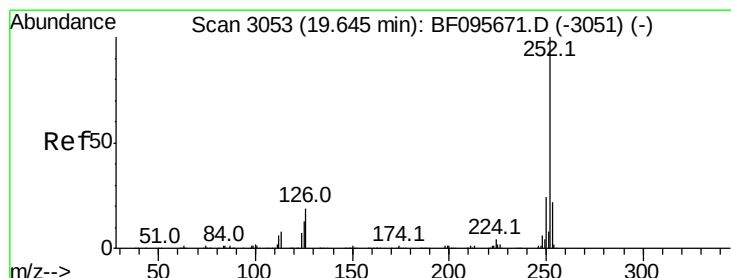
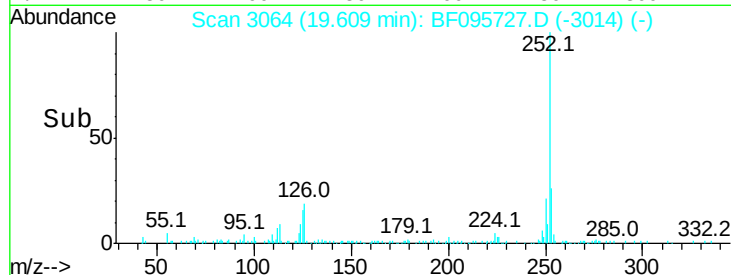
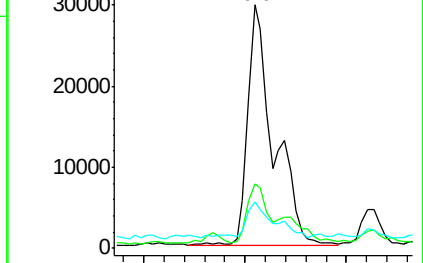
Tot Ion:252	Resp:	53038
Ion Ratio	Lower	Upper
252	100	
253	26.5	18.1 27.1
125	19.2	9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.23 ng

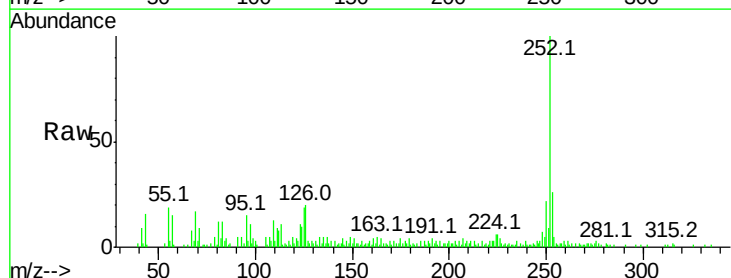
RT: 19.61 min Scan# 3064

Delta R.T. -0.04 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

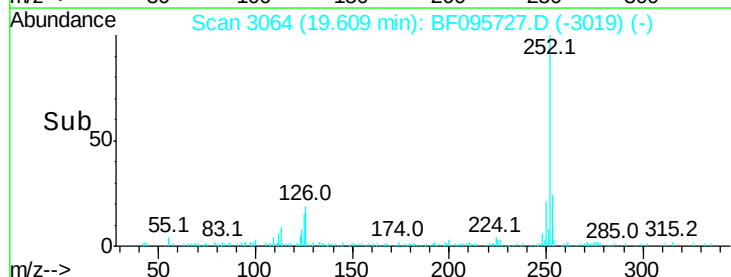
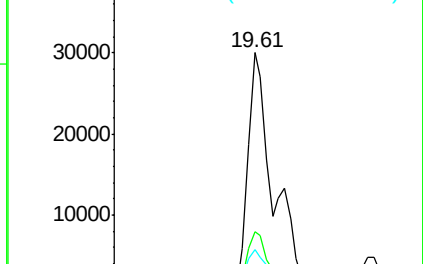
Tgt Ion:252	Resp:	53038
Ion Ratio	Lower	Upper
252	100	
253	26.5	18.4 27.6
125	19.2	13.1 19.7

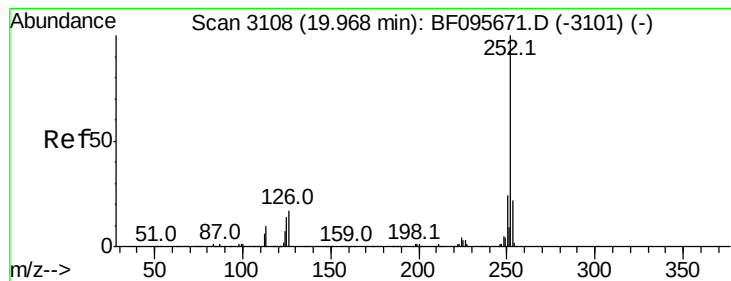


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.38 ng

RT: 19.96 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

ClientSampleId :

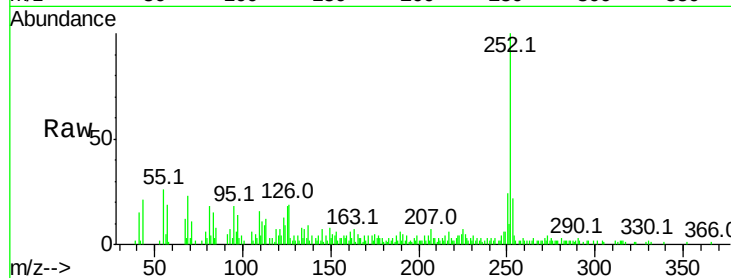
Tot Ion:252 Resp: 27127

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

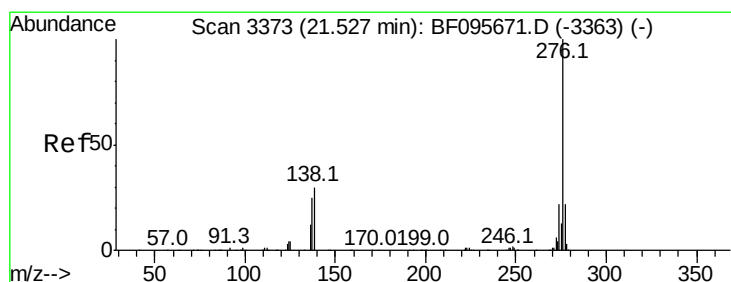
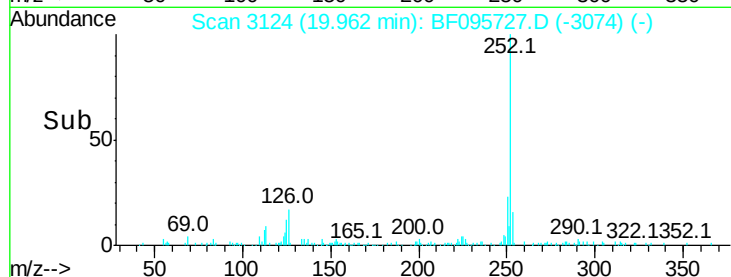
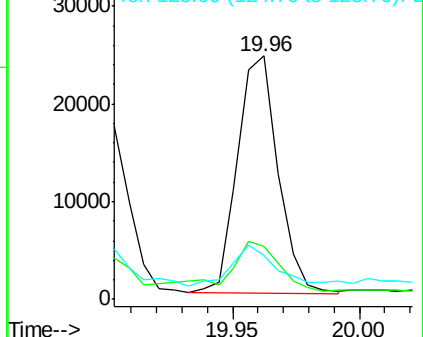
125 17.8 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.85 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

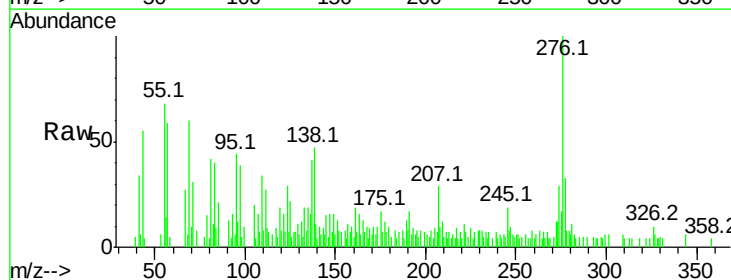
Tgt Ion:276 Resp: 15252

Ion Ratio Lower Upper

276 100

277 33.1 18.6 28.0#

138 46.6 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

