

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095756.D
 Acq On : 7 Jun 2017 20:35
 Operator : SJ/MA
 Sample : I3479-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:07:59 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

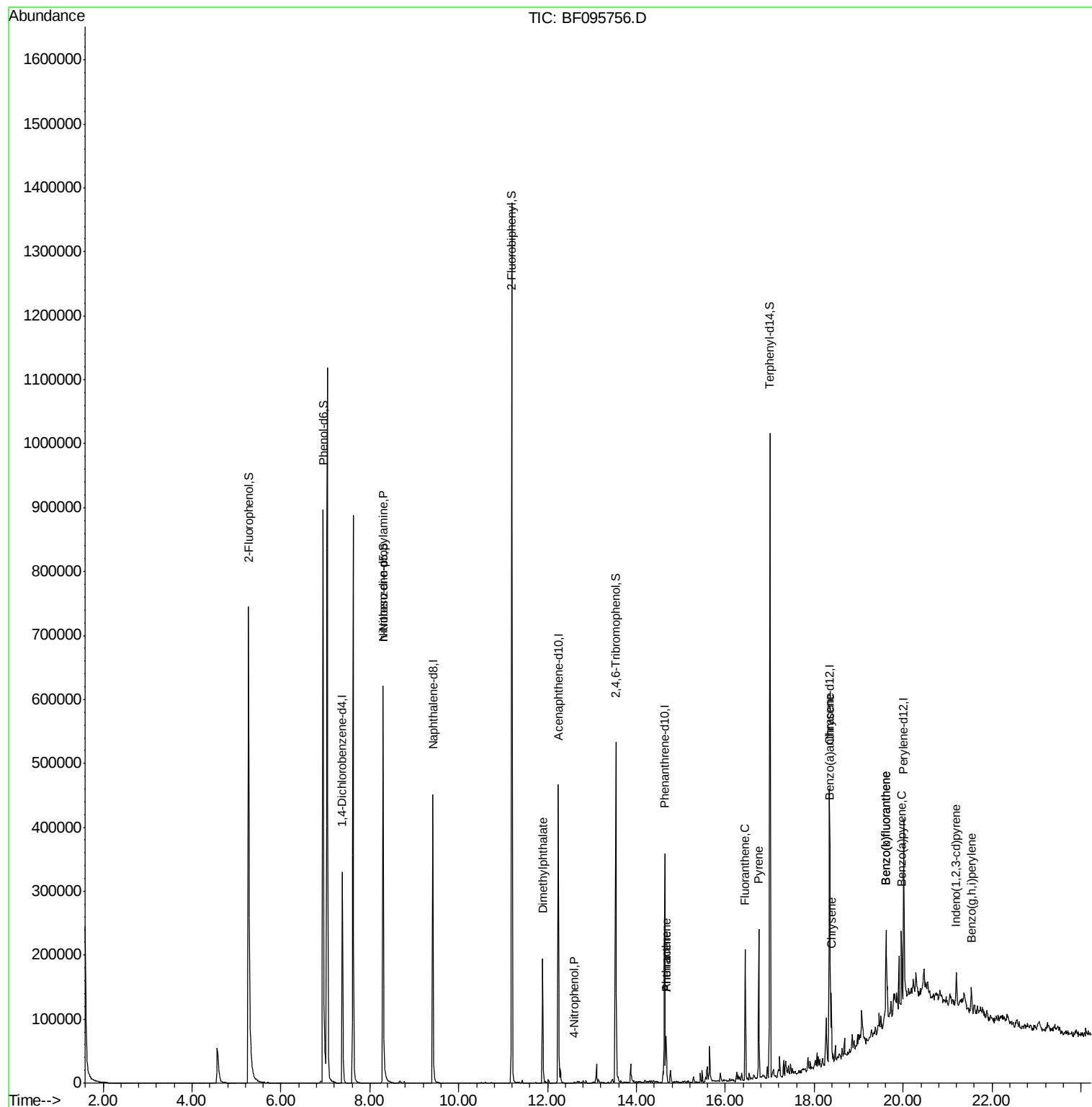
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	78647	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	306470	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	121540	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	180329	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	147902	20.00	ng	-0.01
86) Perylene-d12	20.02	264	108211	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	434263	87.99	ng	-0.02
7) Phenol-d6	6.95	99	540173	91.42	ng	-0.01
23) Nitrobenzene-d5	8.30	82	295333	59.85	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	88134	81.96	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	586813	67.19	ng	-0.02
78) Terphenyl-d14	17.00	244	350168	58.76	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	37470	10.01	ng	# 75
49) Dimethylphthalate	11.89	163	110781	12.00	ng	99
55) 4-Nitrophenol	12.60	139	314	4.84	ng	# 25
70) Phenanthrene	14.67	178	42967	4.13	ng	98
71) Anthracene	14.67	178	42967	3.96	ng	99
74) Fluoranthene	16.44	202	105719	10.27	ng	99
77) Pyrene	16.75	202	98036	8.88	ng	98
80) Benzo(a)anthracene	18.33	228	52692	6.13	ng	97
82) Chrysene	18.38	228	47989	5.58	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	29479	4.01	ng	93
87) Benzo(b)fluoranthene	19.62	252	92297	13.62	ng	# 95
88) Benzo(k)fluoranthene	19.62	252	92297	14.25	ng	98
89) Benzo(a)pyrene	19.96	252	44442	7.14	ng	# 97
91) Benzo(a,h,i)perylene	21.54	276	25276	4.69	ng	96

(#) = 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: BF095756.D

Acq: 7 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

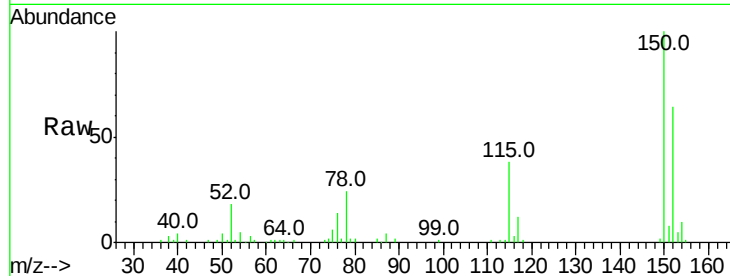
Tot Ion:152 Resp: 78647

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

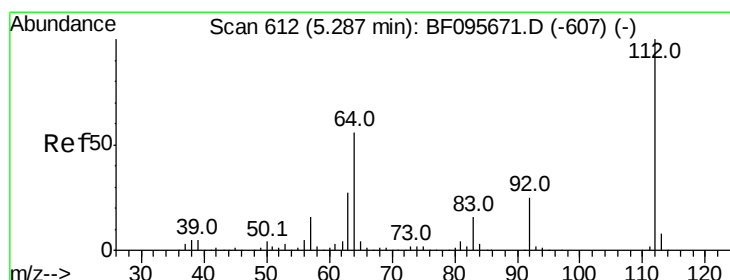
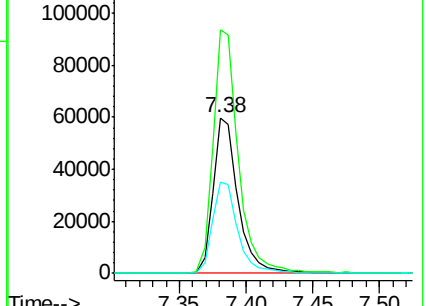
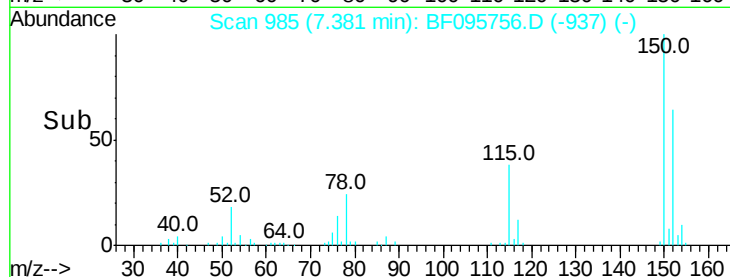
115 58.8 52.2 78.2



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



#5

2-Fluorophenol

Concen: 87.99 ng

RT: 5.27 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

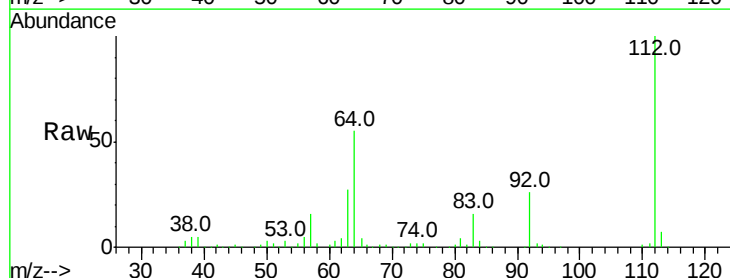
Tgt Ion:112 Resp: 434263

Ion Ratio Lower Upper

112 100

64 54.5 46.0 69.0

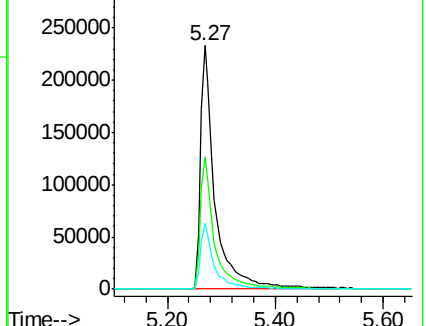
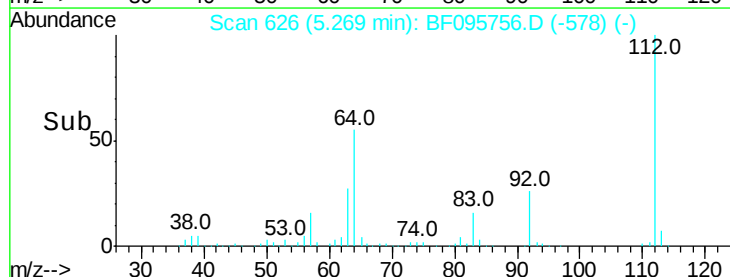
63 26.8 23.4 35.0



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: 91.42 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

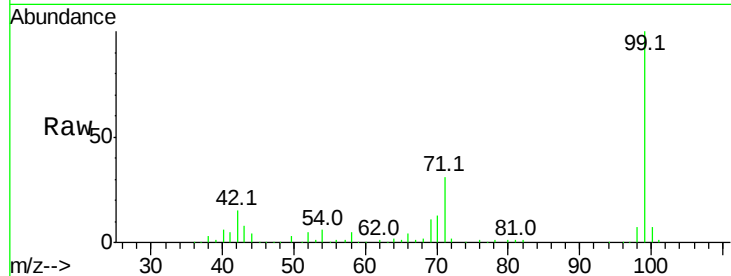
Tot Ion: 99 Resp: 540173

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

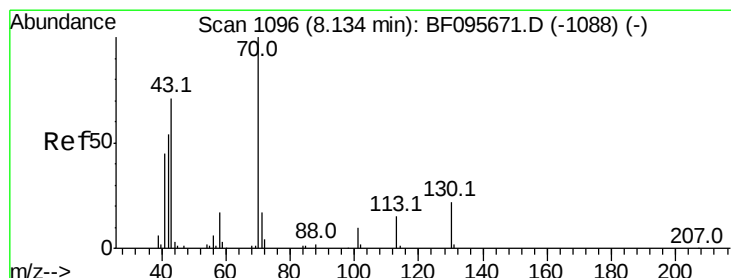
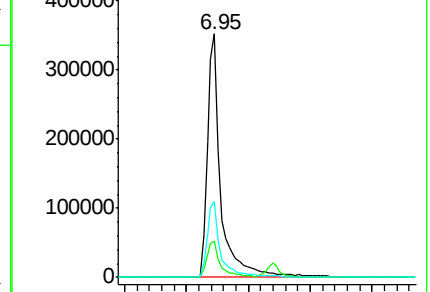
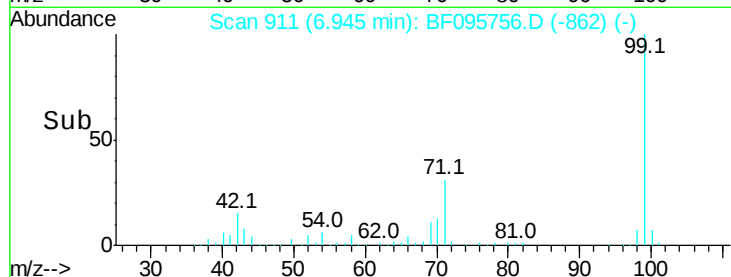
71 31.0 24.5 36.7



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: 10.01 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

Tgt Ion: 70 Resp: 37470

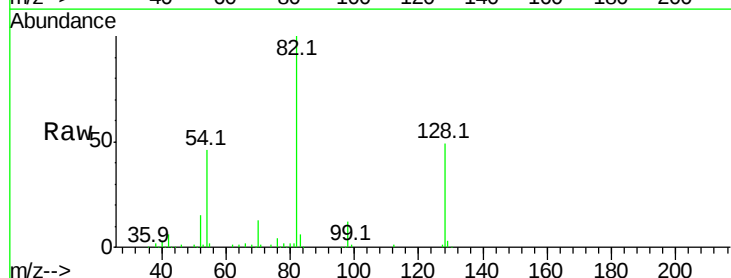
Ion Ratio Lower Upper

70 100

42 43.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

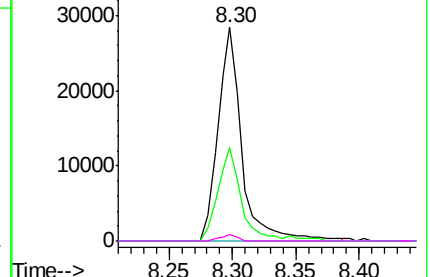
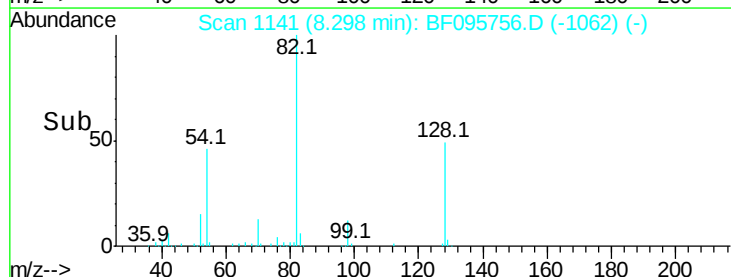


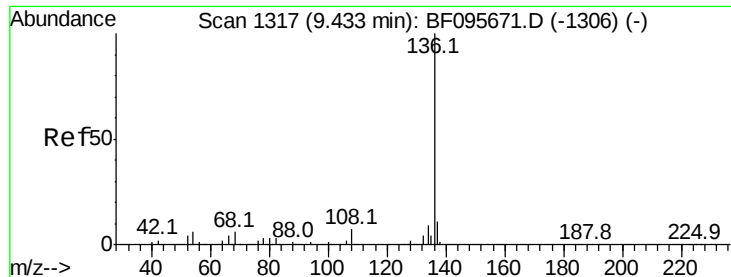
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 306470

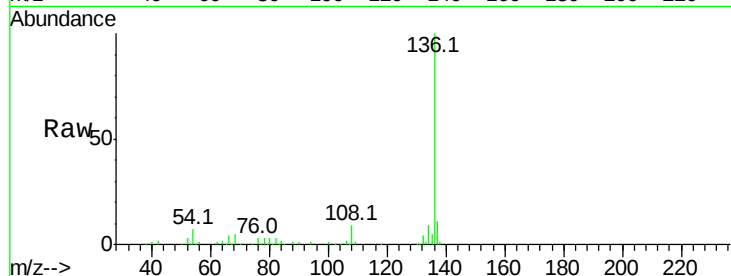
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

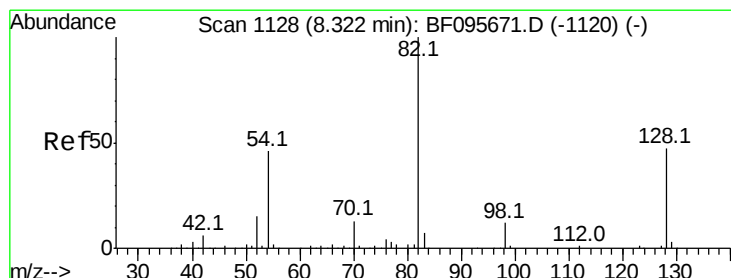
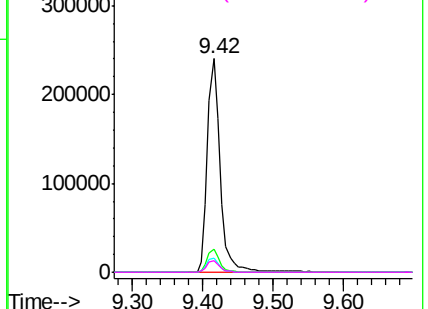
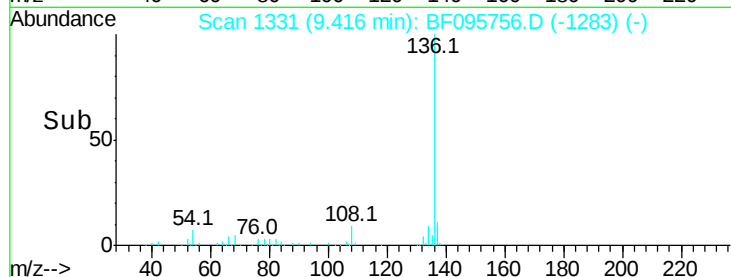


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.85 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

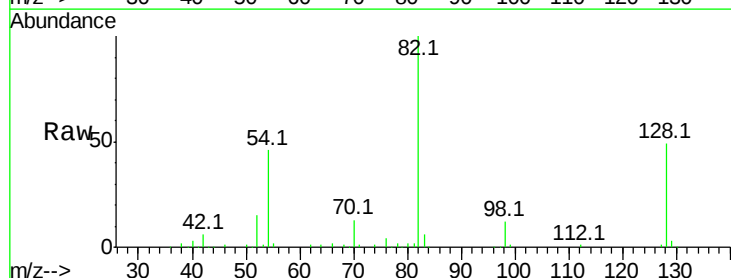
Tgt Ion: 82 Resp: 295333

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

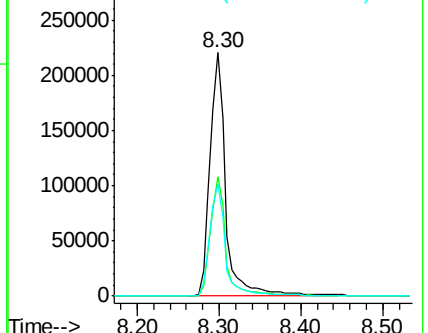
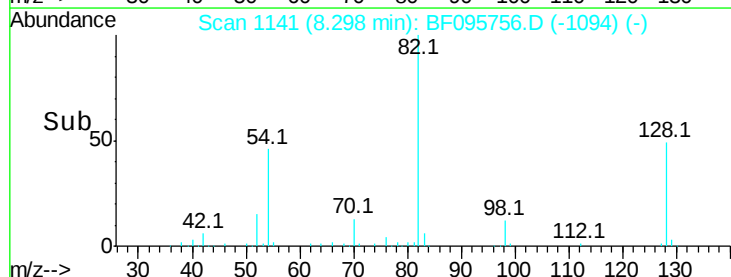
54 46.1 42.2 63.2



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

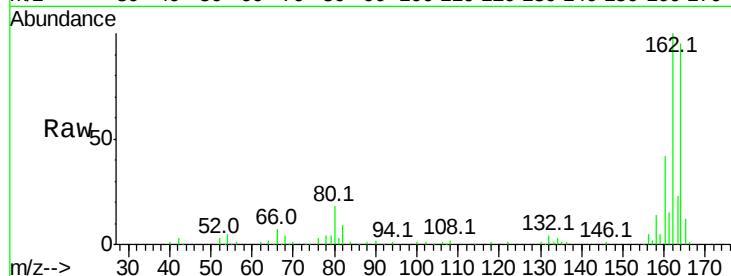




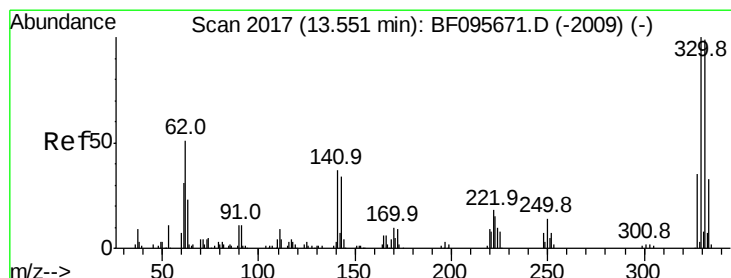
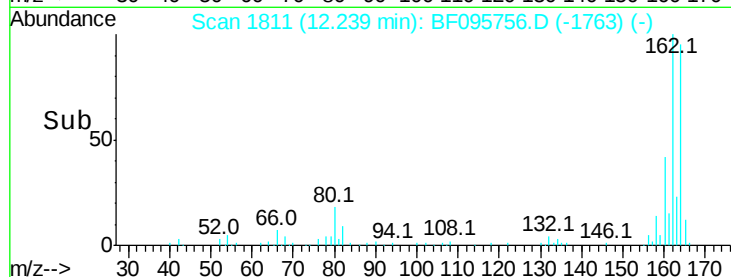
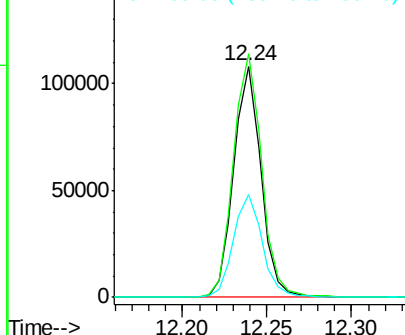
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095756.D
 Acq: 7 Jun 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 121540
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.6 123.8
 160 44.5 36.2 54.2

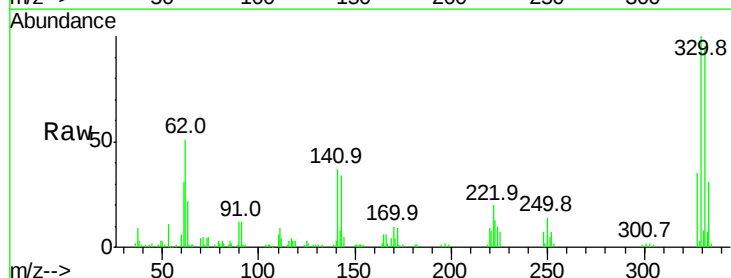


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

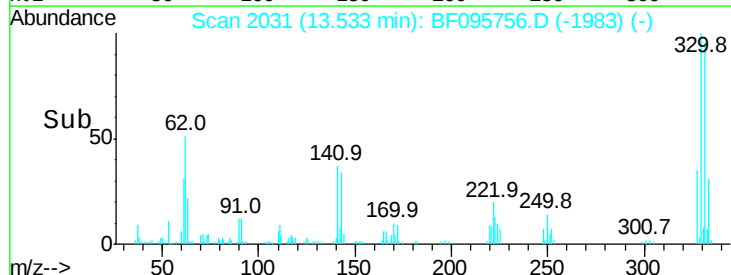
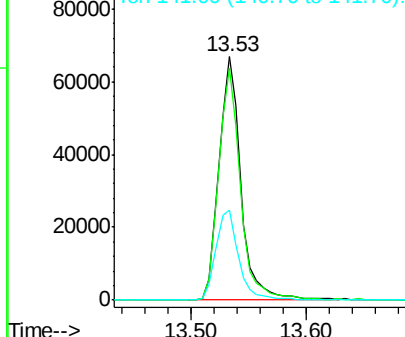


#41
 2,4,6-Tribromophenol
 Concen: 81.96 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095756.D
 Acq: 7 Jun 2017 20:35

Tgt Ion:330 Resp: 88134
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 38.3 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

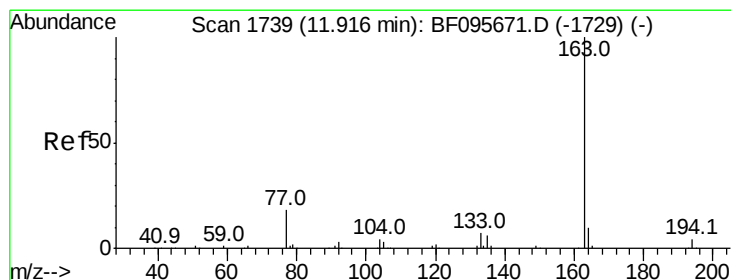
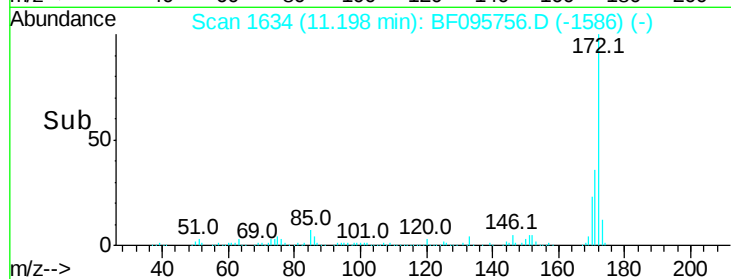
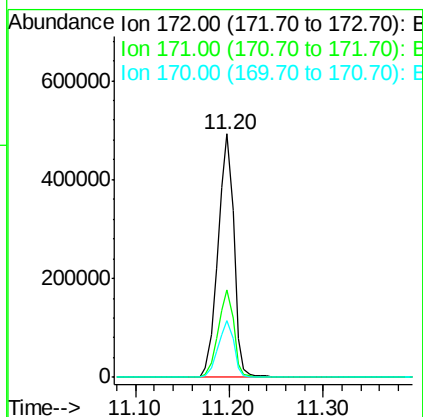
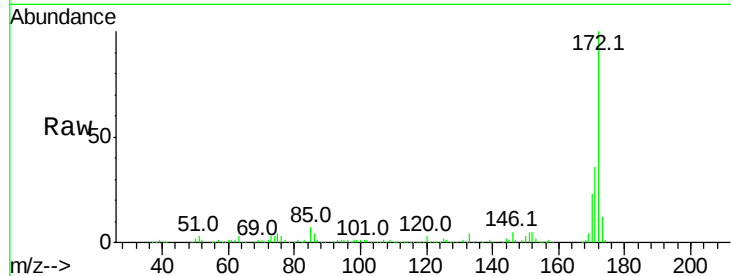




#44
2-Fluorobiphenyl
Concen: 67.19 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

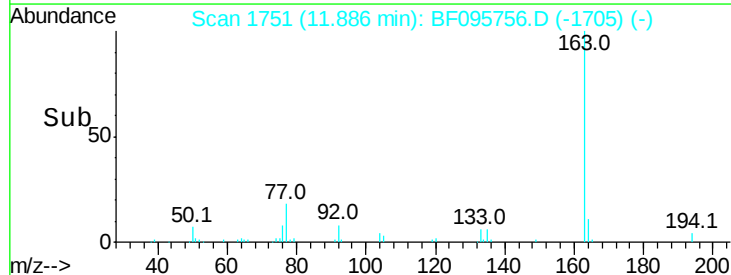
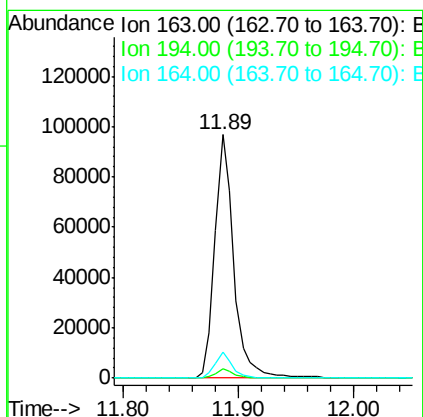
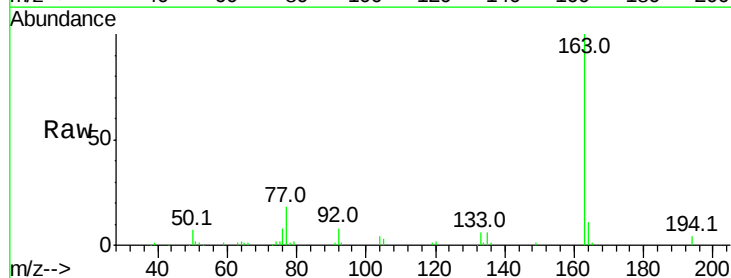
Instrument :
BNA_F
ClientSampleId :

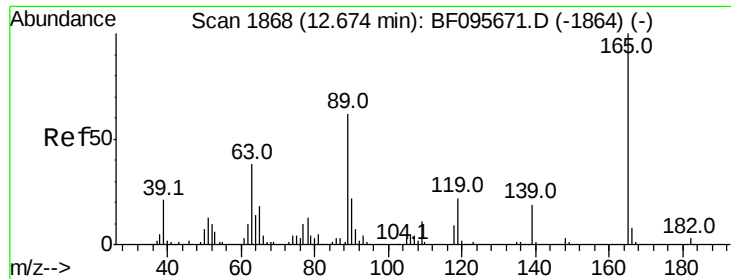
Tot Ion:172 Resp: 586813
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 12.00 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:163 Resp: 110781
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.6 8.4 12.6

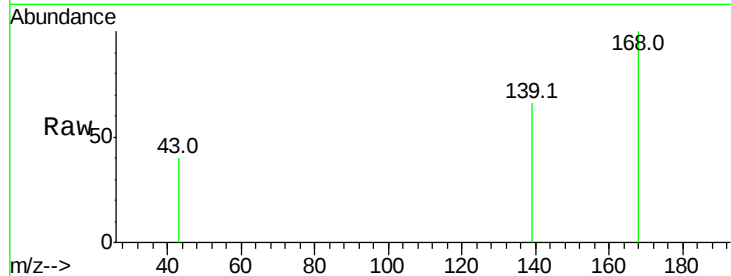




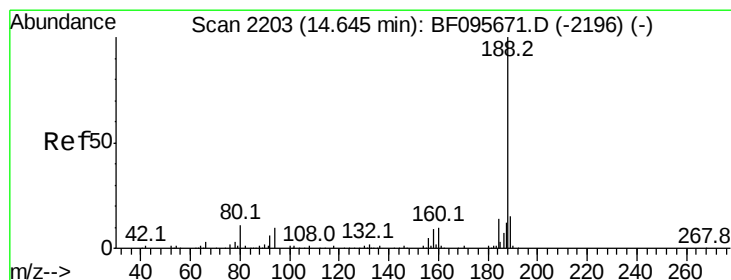
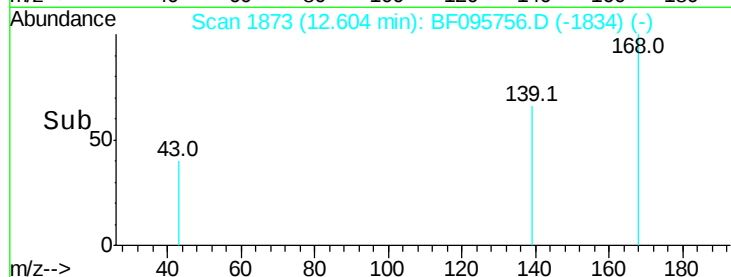
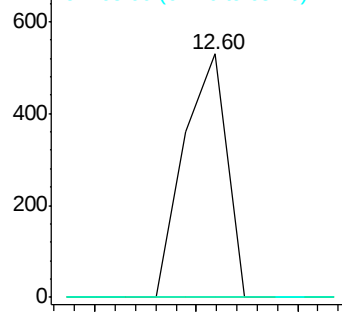
#55
4-Nitrophenol
Concen: 4.84 ng
RT: 12.60 min Scan# 1873
Delta R.T. -0.07 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 314
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

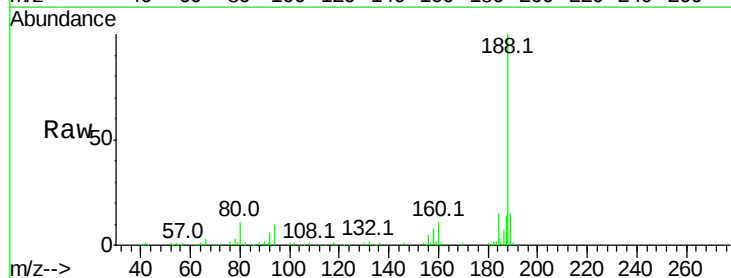


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

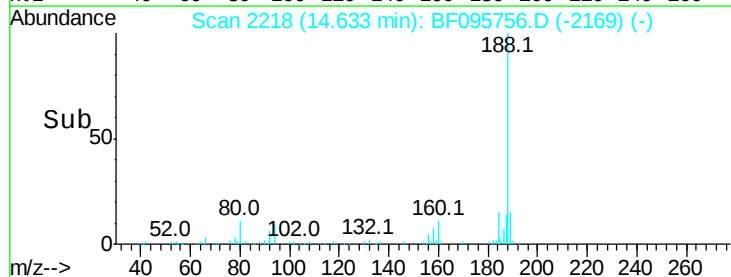
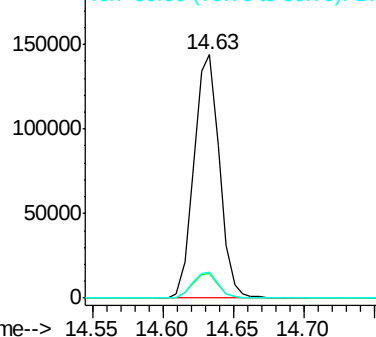


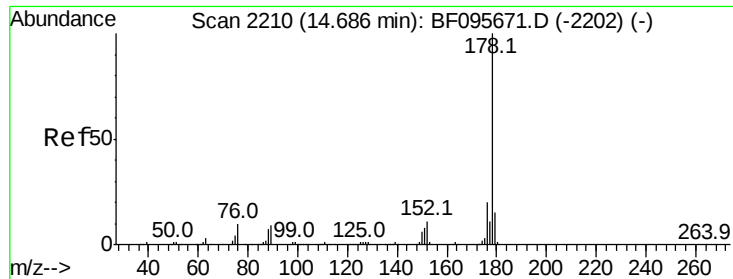
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:188 Resp: 180329
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 10.7 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: 4.13 ng

RT: 14.67 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

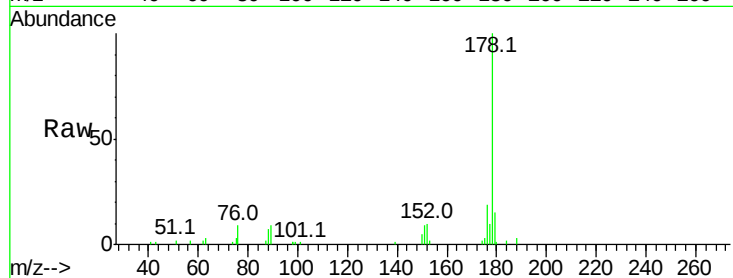
Tot Ion:178 Resp: 42967

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

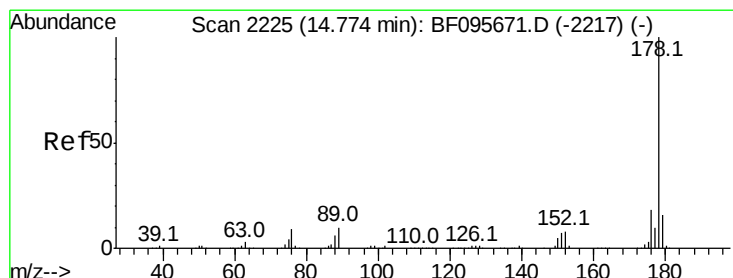
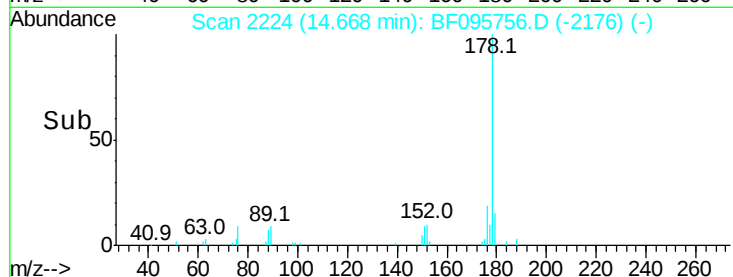
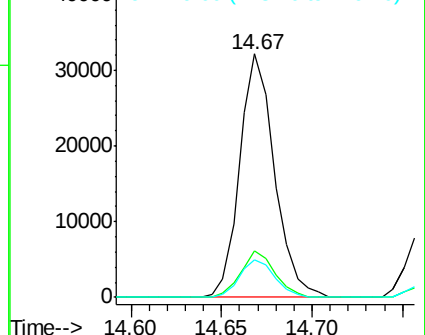
179 15.3 12.6 19.0



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: 3.96 ng

RT: 14.67 min Scan# 2224

Delta R.T. -0.11 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

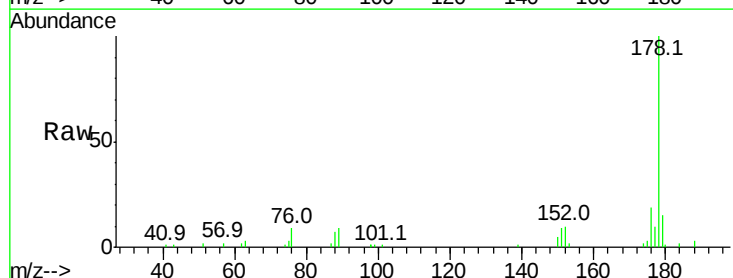
Tgt Ion:178 Resp: 42967

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

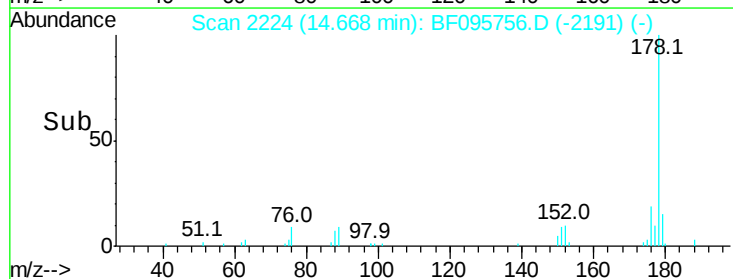
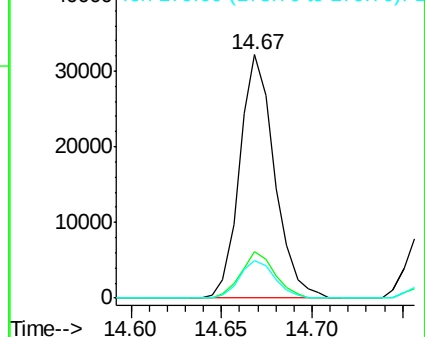
179 15.3 12.7 19.1

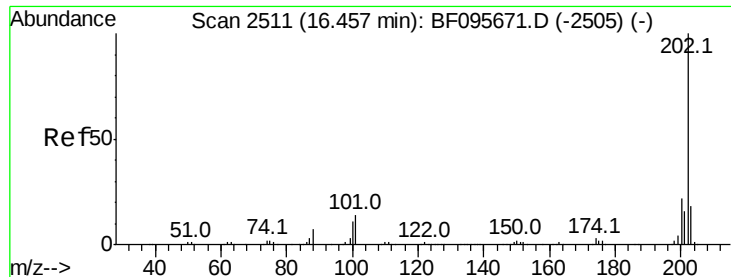


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

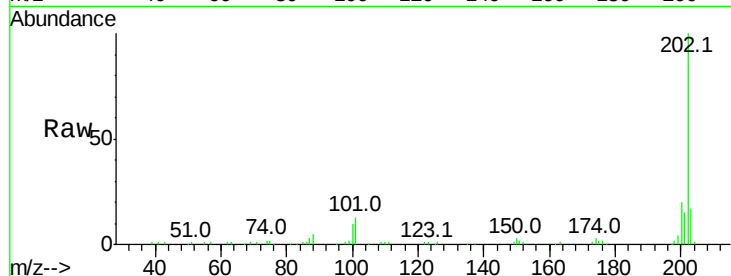




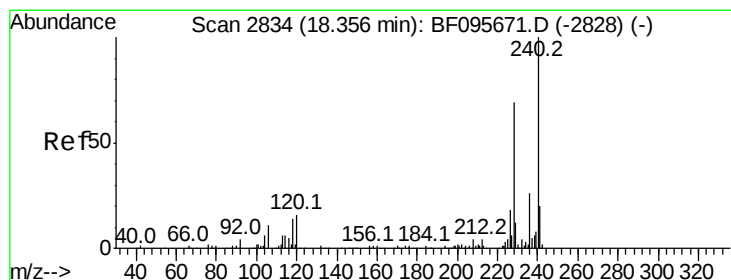
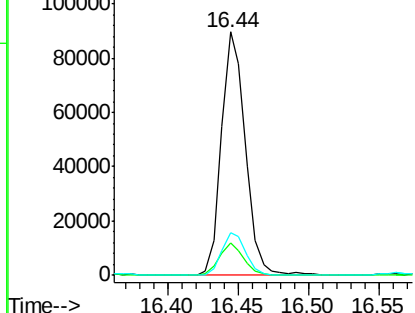
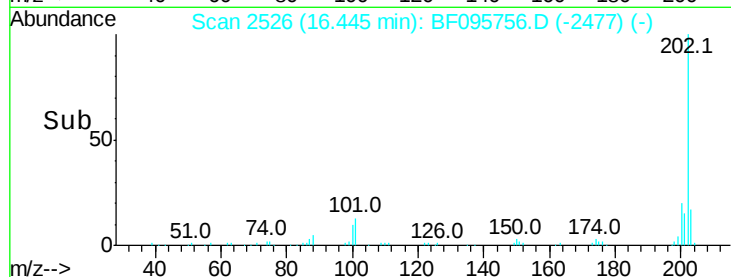
#74
 Fluoranthene
 Concen: 10.27 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095756.D
 Acq: 7 Jun 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.4	0.0	38.1

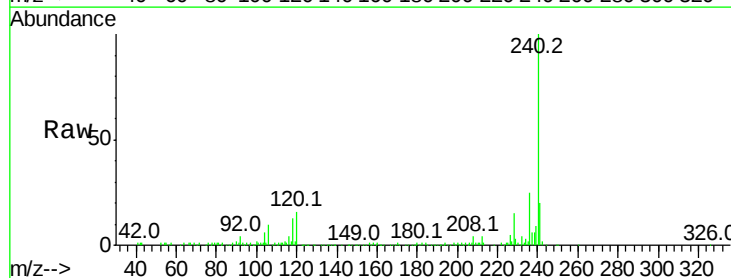


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

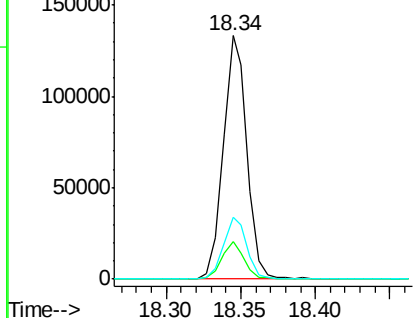
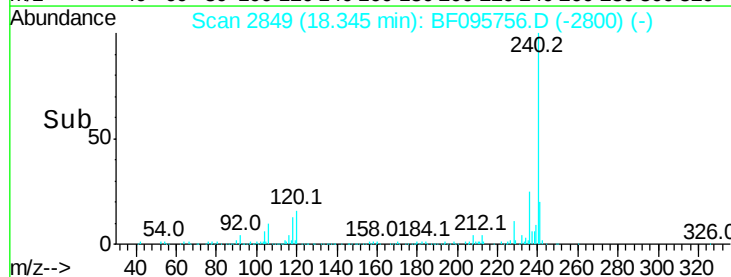


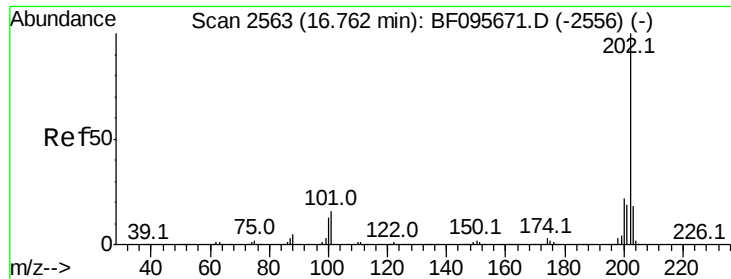
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095756.D
 Acq: 7 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.5	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

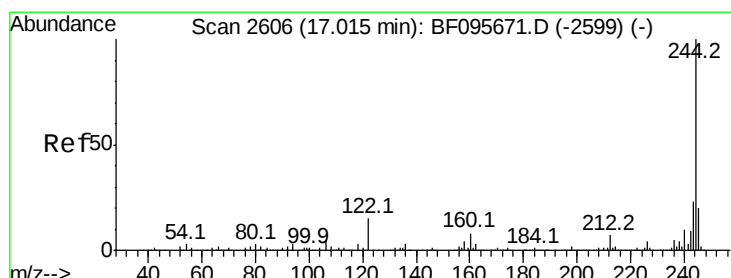
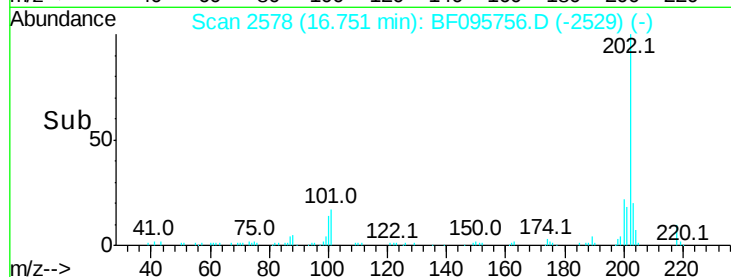
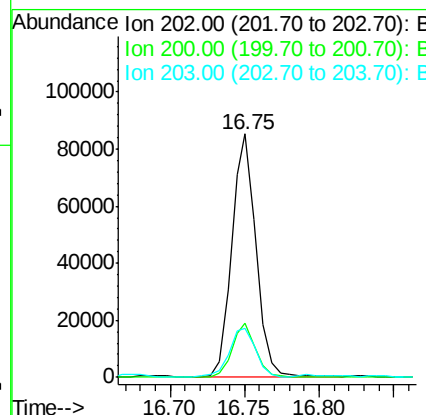
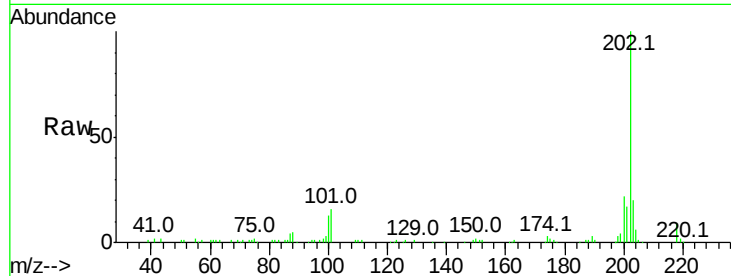




#77
Pvrene
Concen: 8.88 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

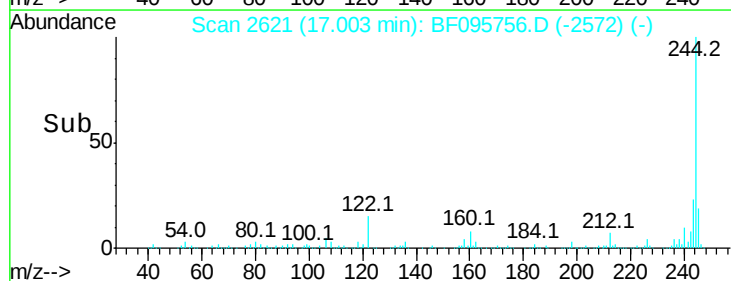
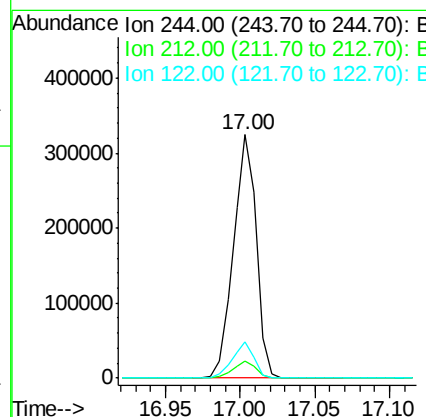
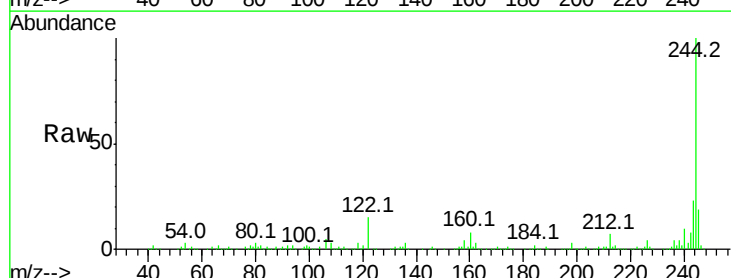
Instrument :
BNA_F
ClientSampleId :

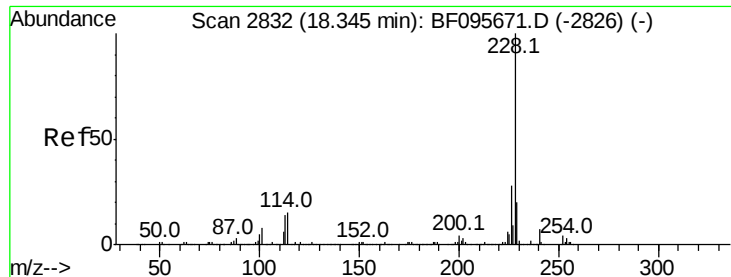
Tot Ion:202 Resp: 98036
Ion Ratio Lower Upper
202 100
200 22.2 17.6 26.4
203 19.9 14.4 21.6



#78
Terphenyl-d14
Concen: 58.76 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:244 Resp: 350168
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 14.8 10.3 15.5

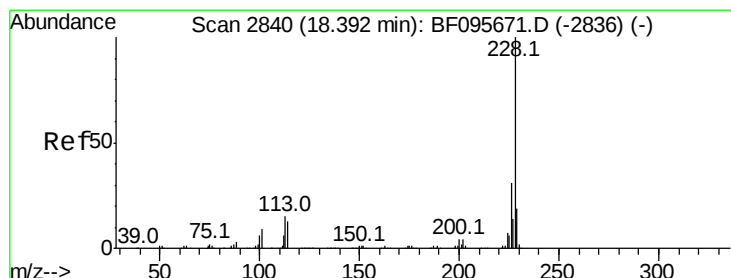
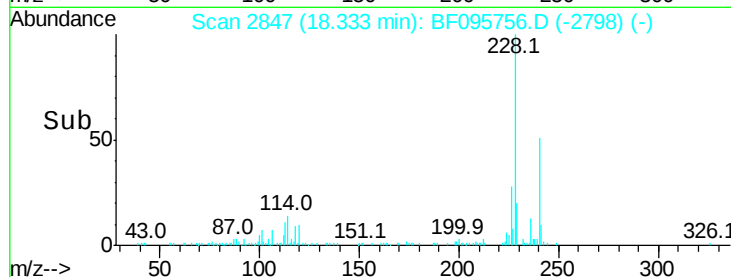
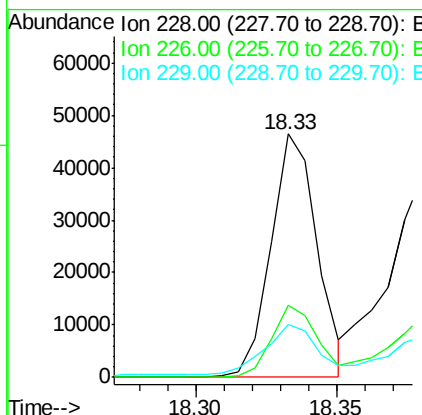
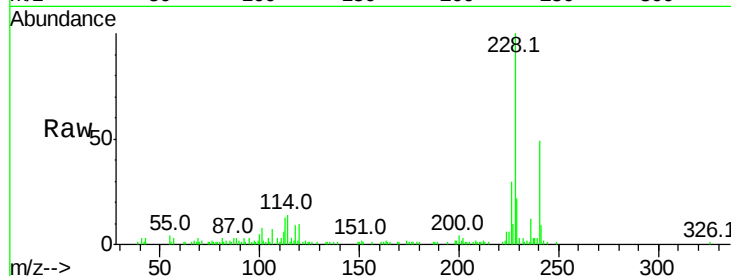




#80
Benzo(a)anthracene
Concen: 6.13 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

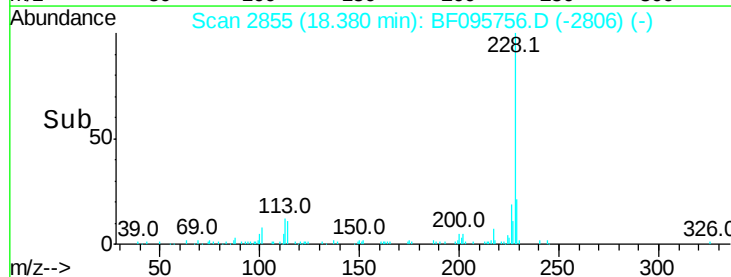
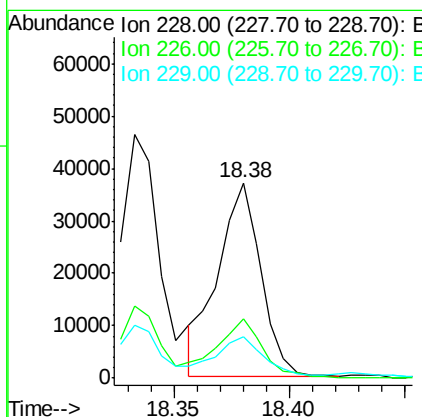
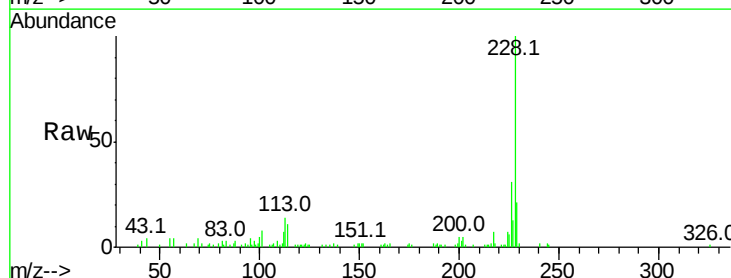
Instrument :
BNA_F
ClientSampleId :

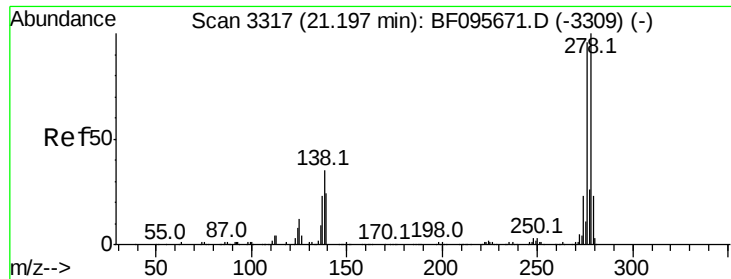
Tot Ion:228 Resp: 52692
Ion Ratio Lower Upper
228 100
226 29.6 22.6 33.8
229 21.6 16.3 24.5



#82
Chrysene
Concen: 5.58 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:228 Resp: 47989
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 21.1 15.8 23.6

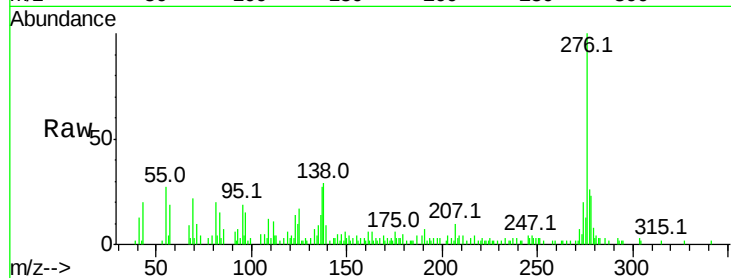




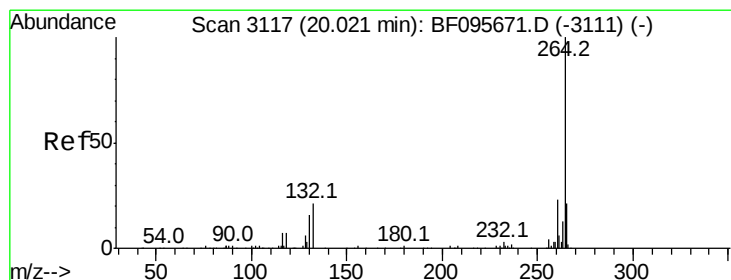
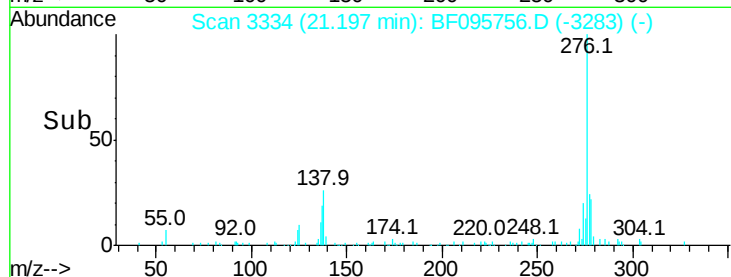
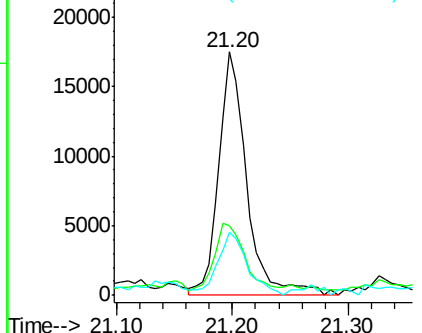
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 29479
Ion Ratio Lower Upper
276 100
138 28.8 27.8 41.6
277 26.8 20.2 30.4

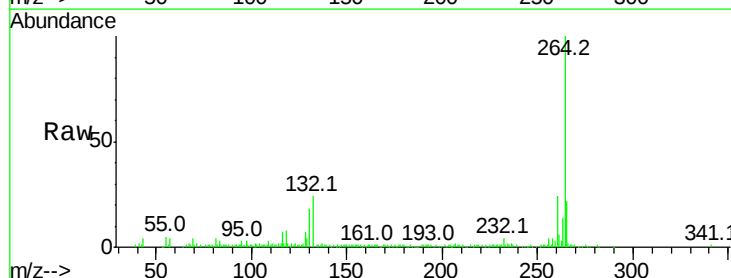


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

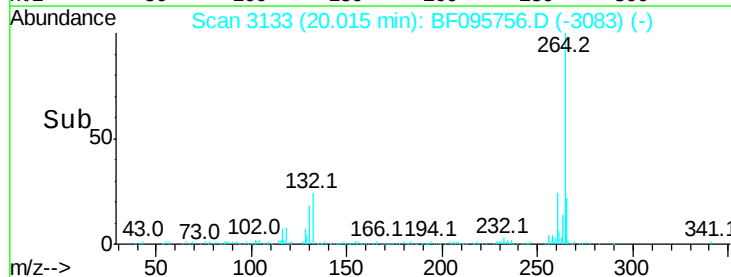
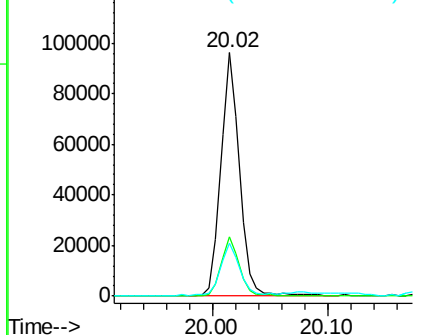


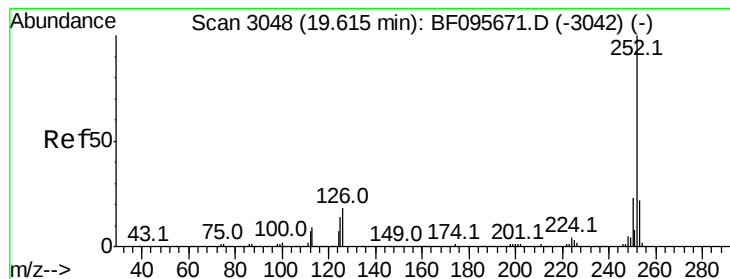
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:264 Resp: 108211
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.62 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

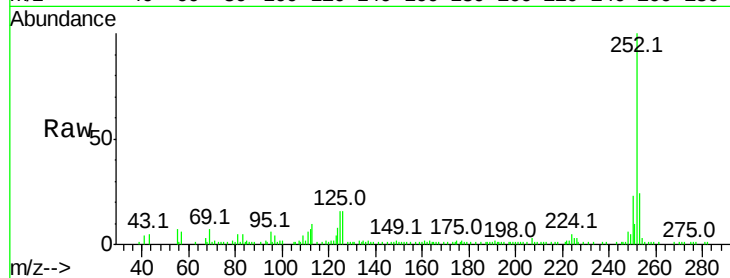
Tot Ion:252 Resp: 92297

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

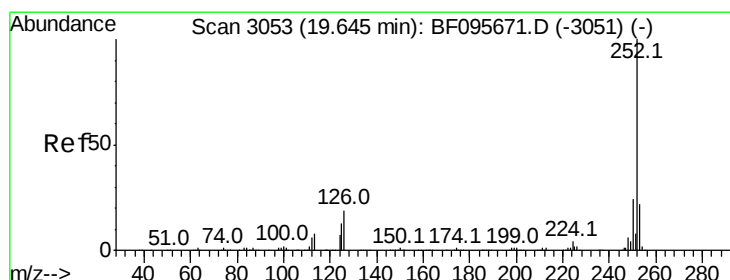
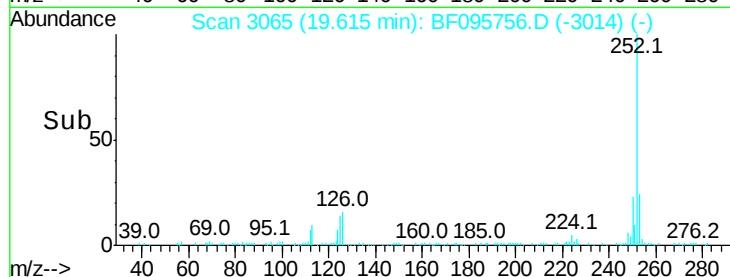
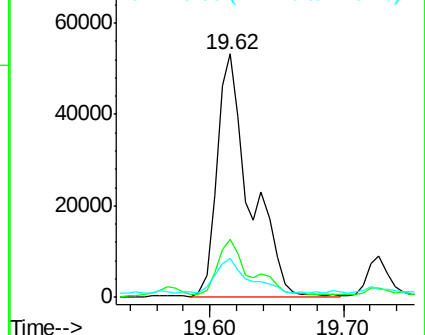
125 15.9 9.8 14.8#



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: 14.25 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.03 min

Lab File: BF095756.D

Acq: 7 Jun 2017 20:35

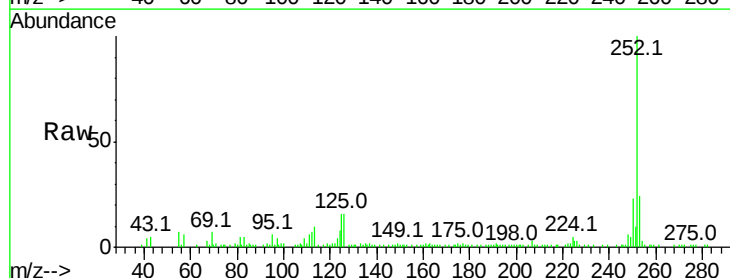
Tgt Ion:252 Resp: 92297

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

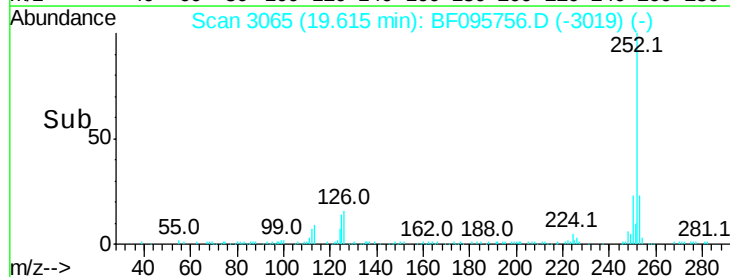
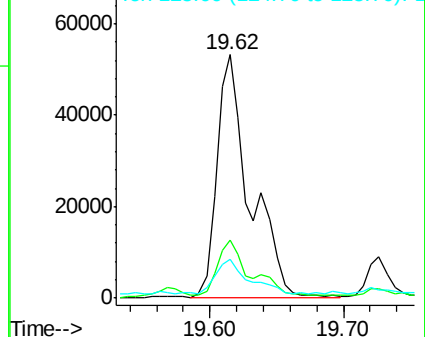
125 15.9 13.1 19.7

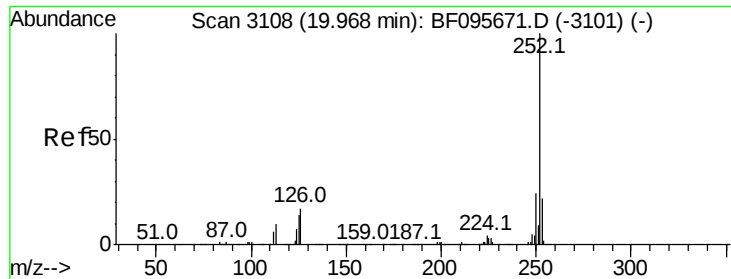


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

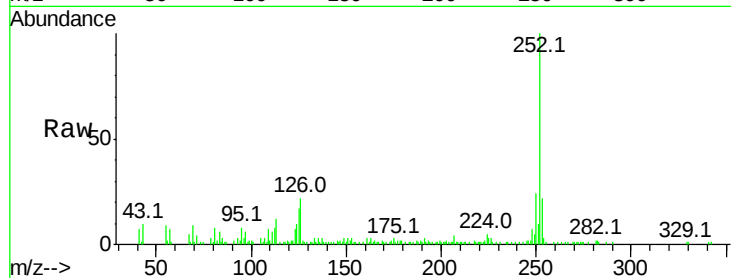




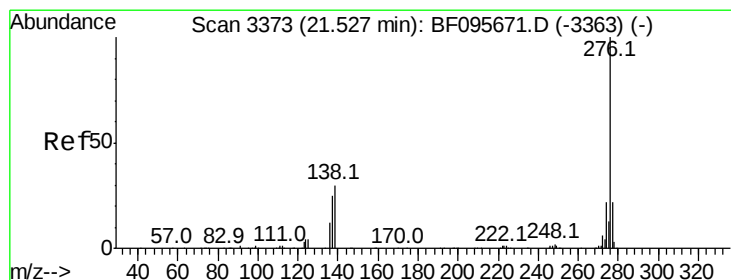
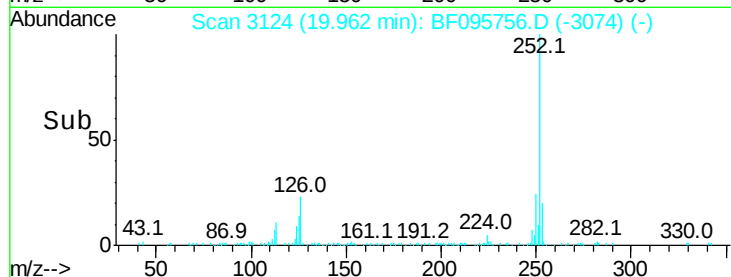
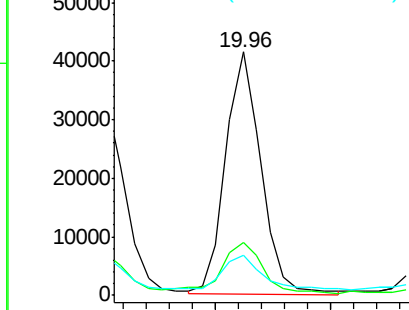
#89
Benzo(a)pyrene
Concen: 7.14 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44442
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 16.7 11.0 16.4#

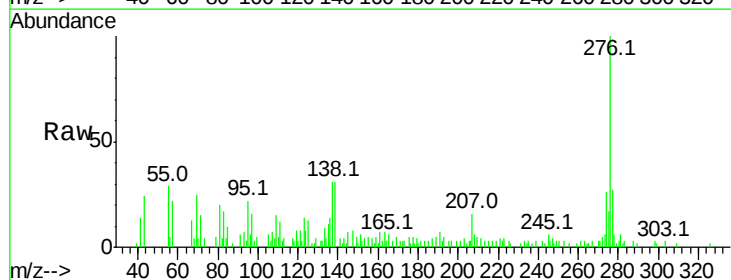


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.69 ng
RT: 21.54 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BF095756.D
Acq: 7 Jun 2017 20:35

Tgt Ion:276 Resp: 25276
Ion Ratio Lower Upper
276 100
277 26.9 18.6 28.0
138 30.9 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

