

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095750.D
 Acq On : 7 Jun 2017 17:23
 Operator : SJ/MA
 Sample : I3506-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:06:25 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

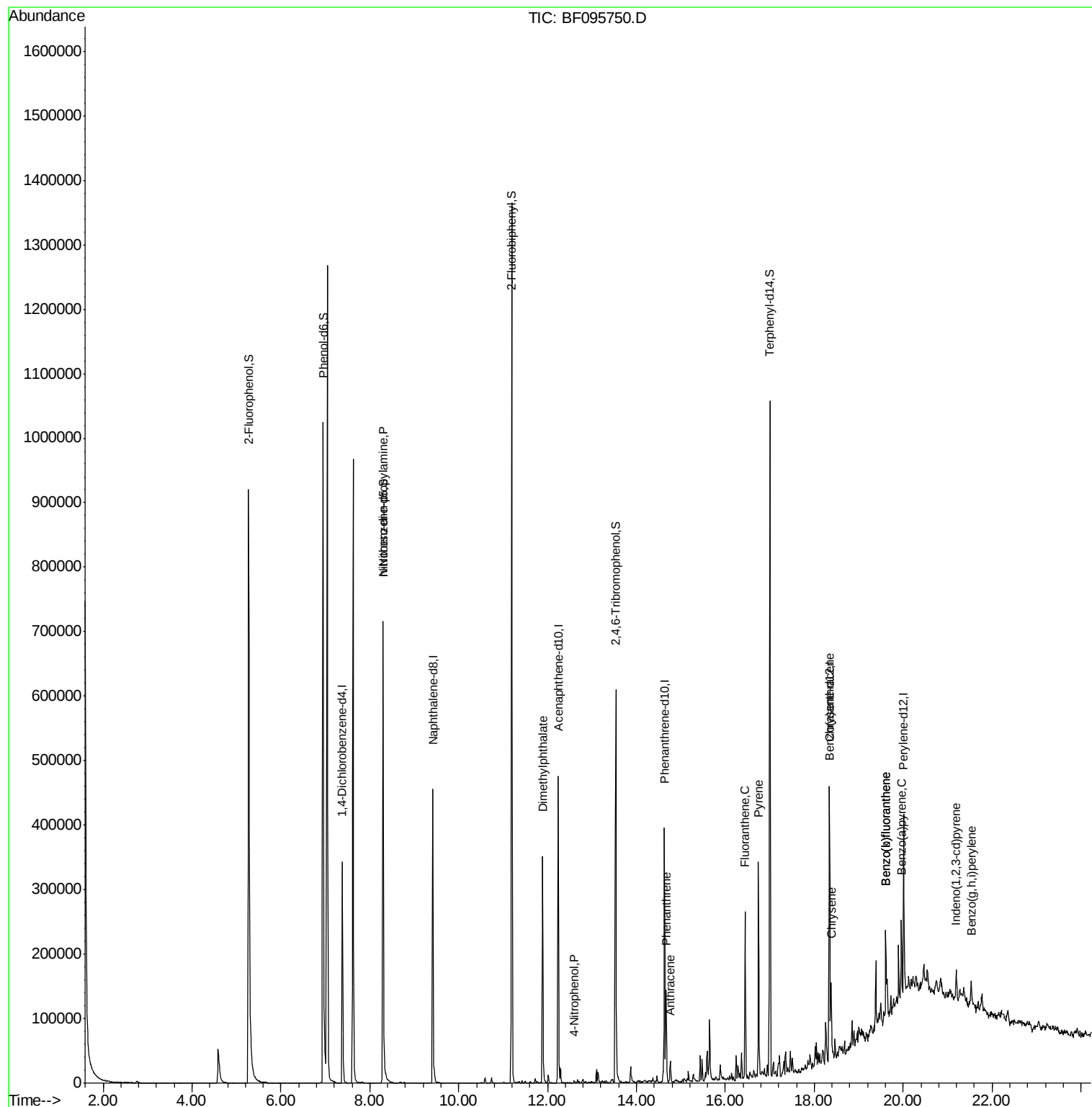
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	77821	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	309873	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	127912	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	195157	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	147492	20.00	ng	-0.01
86) Perylene-d12	20.01	264	120158	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	502261	102.84	ng	-0.01
7) Phenol-d6	6.95	99	595727	101.89	ng	-0.01
23) Nitrobenzene-d5	8.30	82	341761	68.50	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	104064	91.95	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	611472	66.52	ng	-0.02
78) Terphenyl-d14	17.00	244	370404	62.33	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	43879	11.84	ng	# 77
49) Dimethylphthalate	11.89	163	204179	21.02	ng	99
55) 4-Nitrophenol	12.60	139	880	5.20	ng	# 25
70) Phenanthrene	14.67	178	81425	7.23	ng	97
71) Anthracene	14.76	178	23761	2.02	ng	96
74) Fluoranthene	16.44	202	128845	11.56	ng	98
77) Pyrene	16.74	202	135332	12.30	ng	96
80) Benzo(a)anthracene	18.33	228	60295	7.03	ng	94
82) Chrysene	18.38	228	62027	7.24	ng	96
85) Indeno(1,2,3-cd)pyrene	21.20	276	25864	3.53	ng	95
87) Benzo(b)fluoranthene	19.61	252	92724	12.32	ng	# 95
88) Benzo(k)fluoranthene	19.61	252	92724	12.89	ng	98
89) Benzo(a)pyrene	19.96	252	51482	7.44	ng	97
91) Benzo(a,h,i)perylene	21.53	276	27853	4.66	ng	96

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095750.D
Acq On : 7 Jun 2017 17:23
Operator : SJ/MA
Sample : I3506-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 08 04:06:25 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



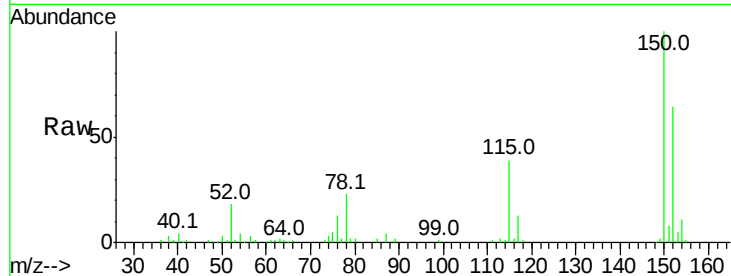


#1

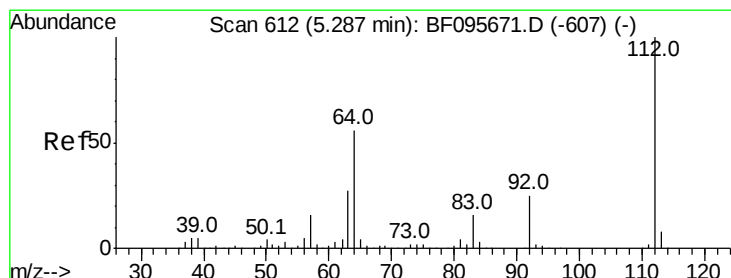
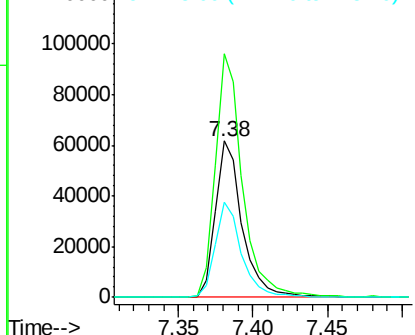
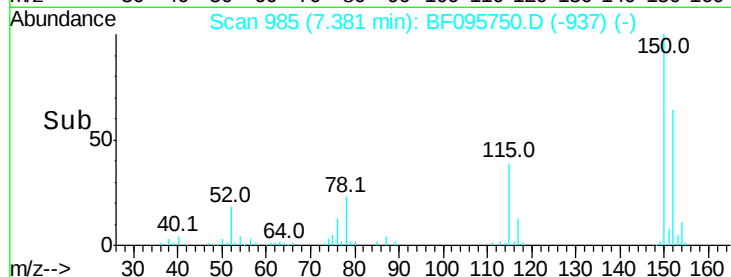
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77821
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 61.0 52.2 78.2



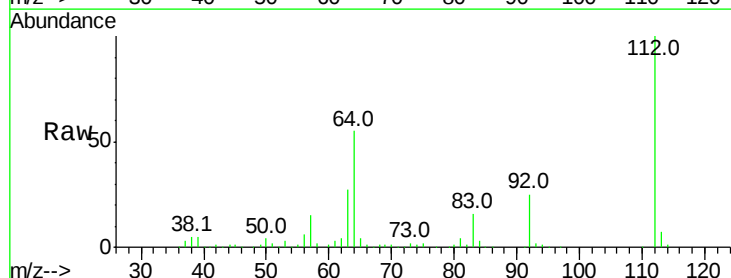
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



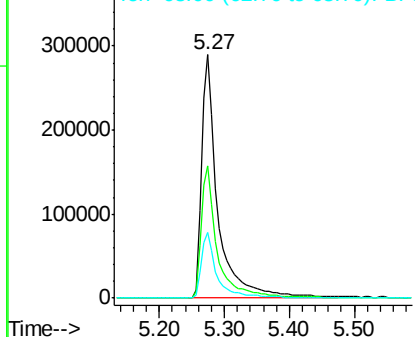
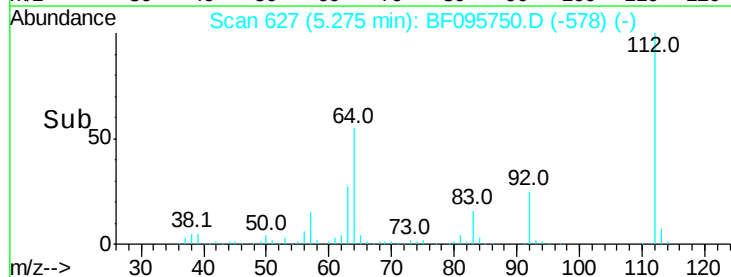
#5

2-Fluorophenol
Concen: 102.84 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:112 Resp: 502261
Ion Ratio Lower Upper
112 100
64 54.5 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: 101.89 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

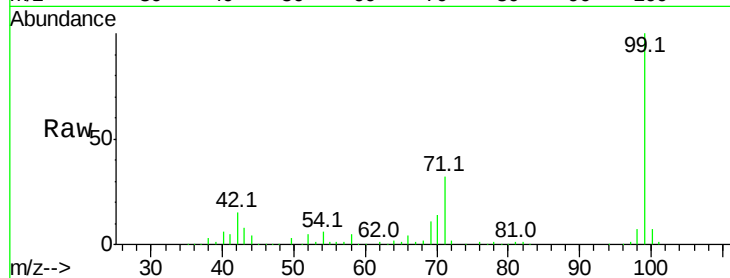
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 595727

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	31.7	24.5	36.7

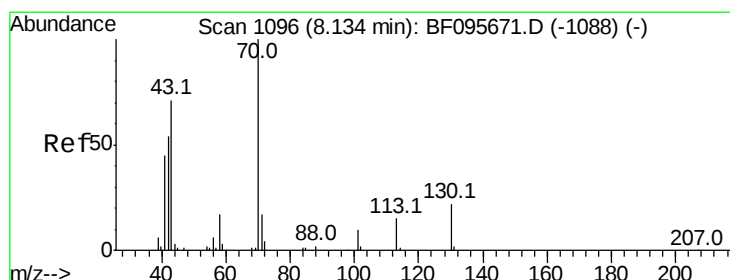
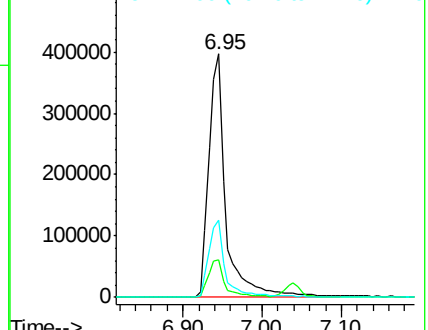
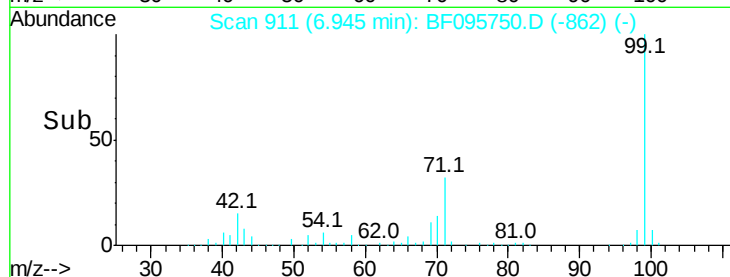


Abundance

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: 11.84 ng

RT: 8.30 min Scan# 1141

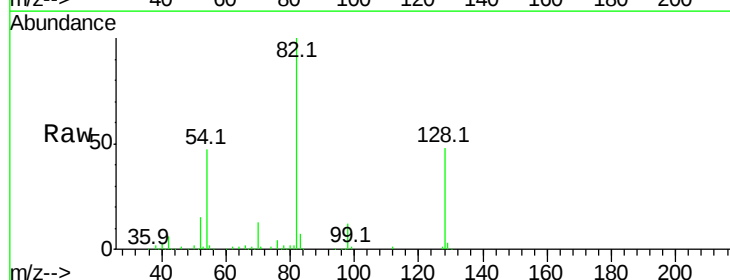
Delta R.T. 0.16 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

Tgt Ion: 70 Resp: 43879

Ion	Ratio	Lower	Upper
70	100		
42	45.4	47.2	70.8#
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



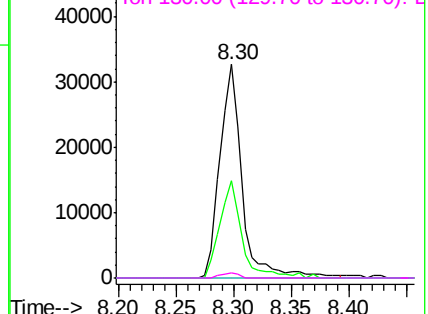
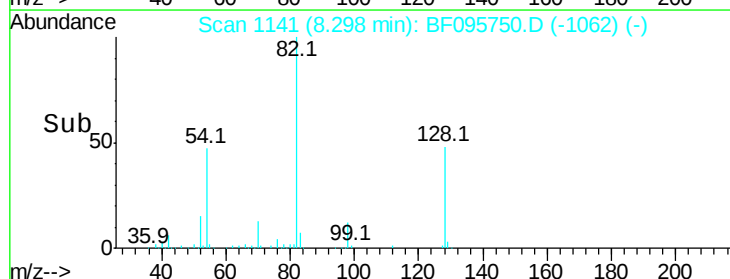
Abundance

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

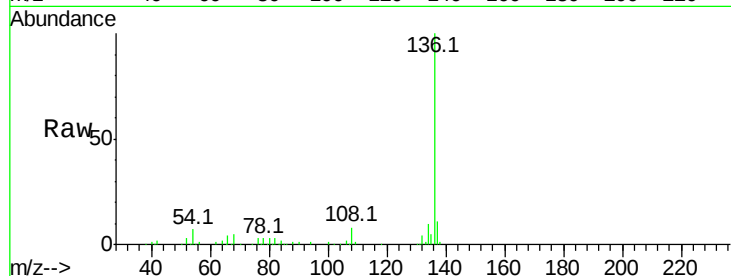




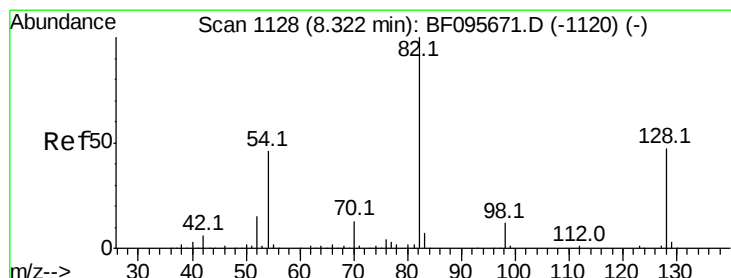
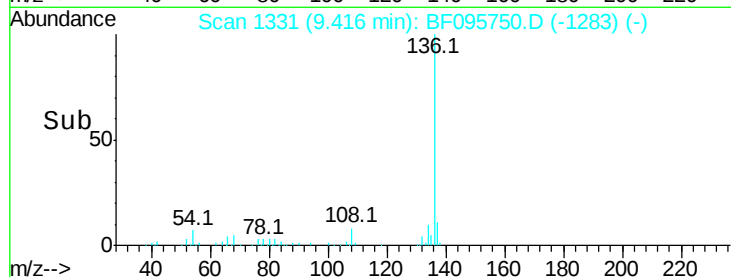
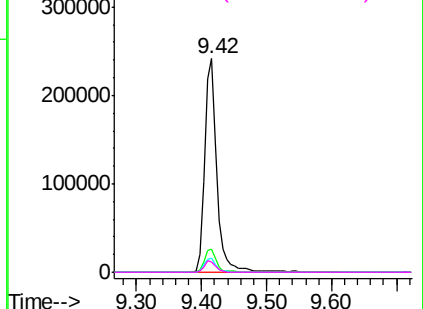
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	309873
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	6.6	4.9 7.3
68	5.0	4.1 6.1

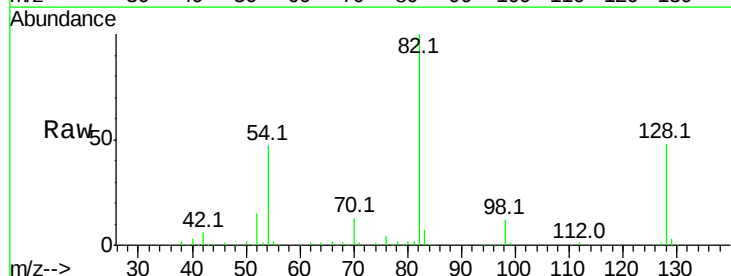


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

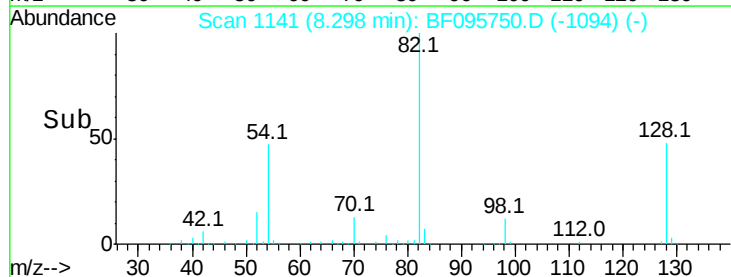
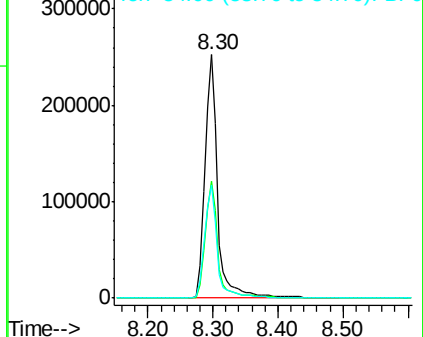


#23
Nitrobenzene-d5
Concen: 68.50 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion: 82	Resp:	341761
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.0 51.0
54	46.6	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: 12.24 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

Instrument :

BNA_F

ClientSampled :

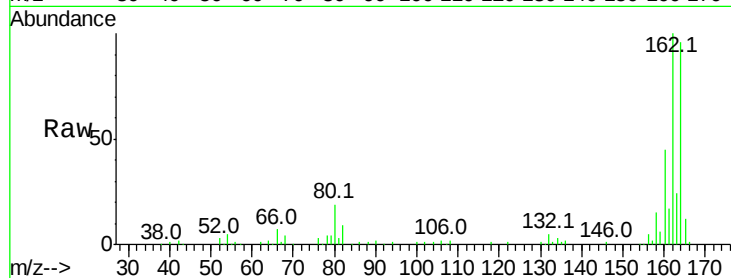
Tot Ion:164 Resp: 127912

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

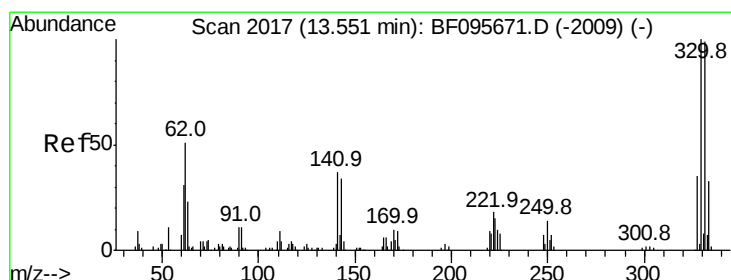
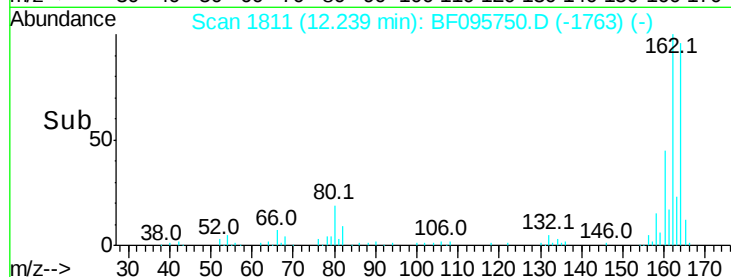
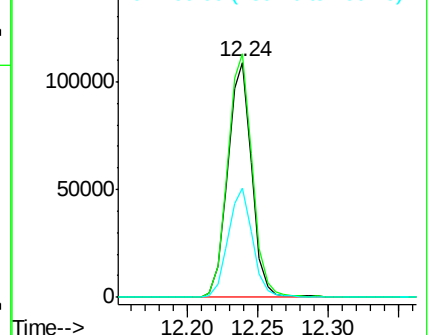
160 46.7 36.2 54.2



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: 91.95 ng

RT: 13.53 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

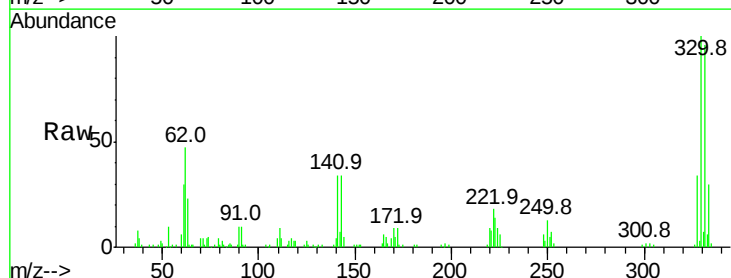
Tgt Ion:330 Resp: 104064

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

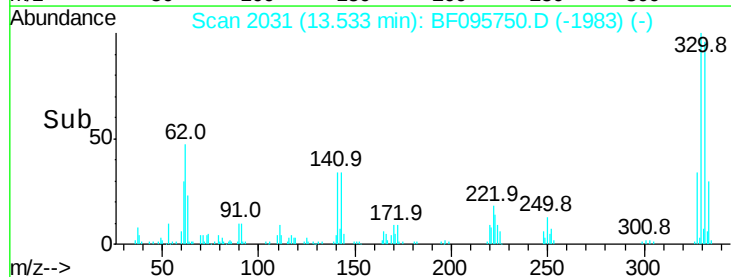
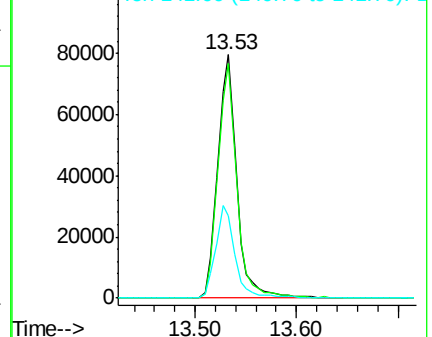
141 38.4 31.4 47.2



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

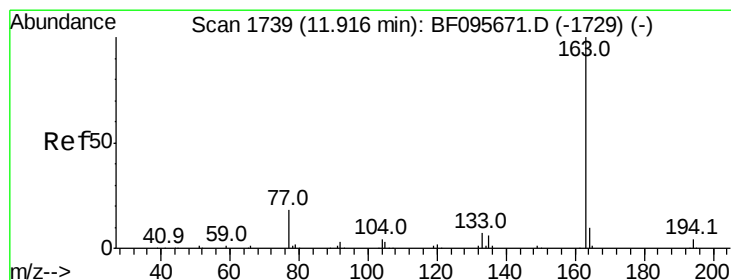
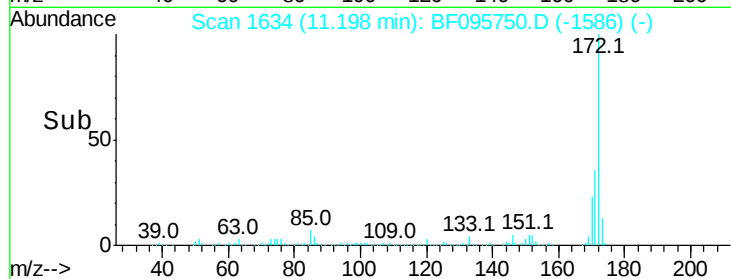
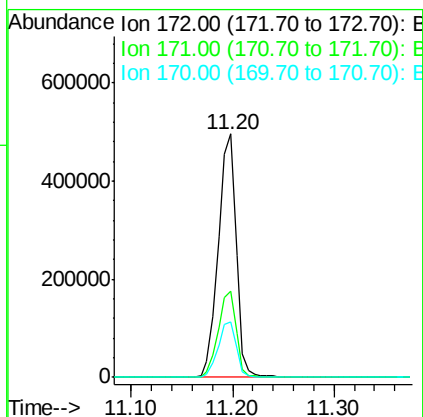
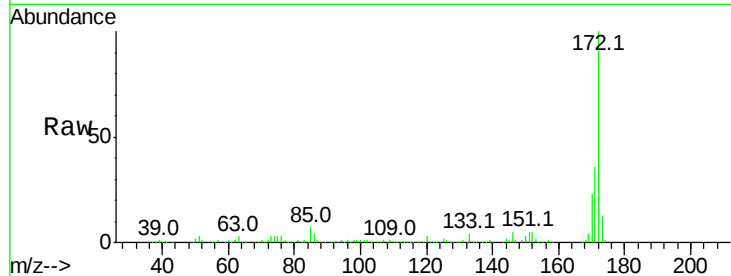




#44
2-Fluorobiphenyl
Concen: 66.52 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

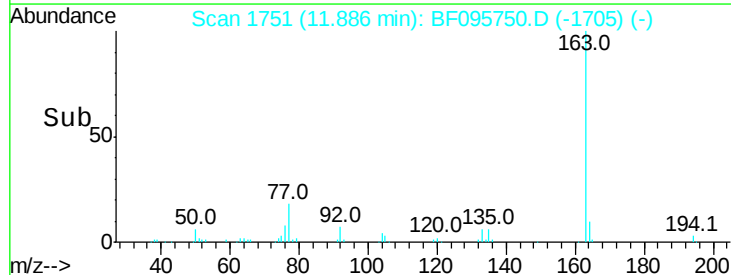
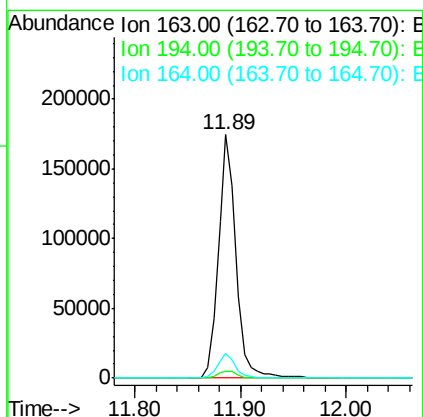
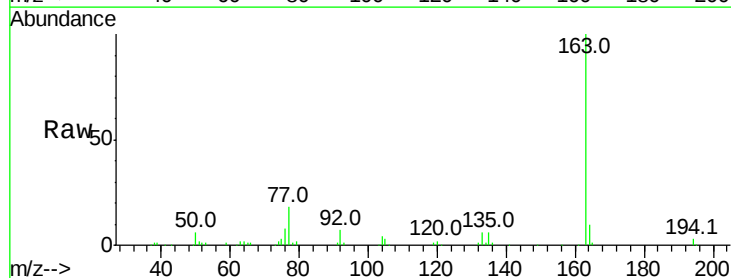
Instrument :
BNA_F
ClientSampleId :

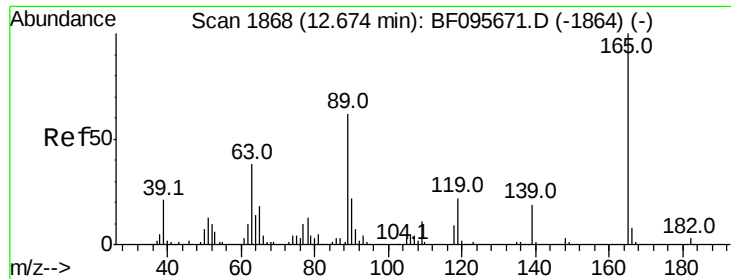
Tot Ion:172 Resp: 611472
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 22.6 19.8 29.8



#49
Dimethylphthalate
Concen: 21.02 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:163 Resp: 204179
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.1 8.4 12.6

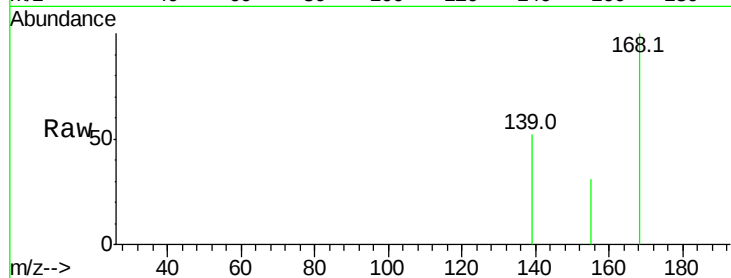




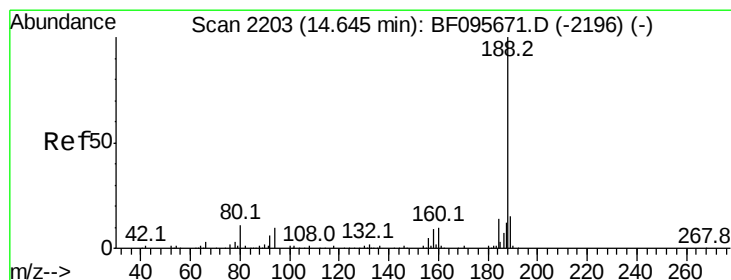
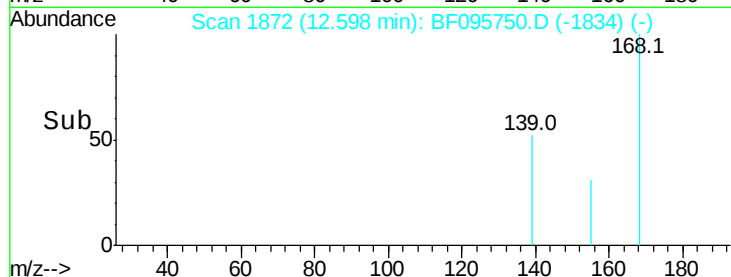
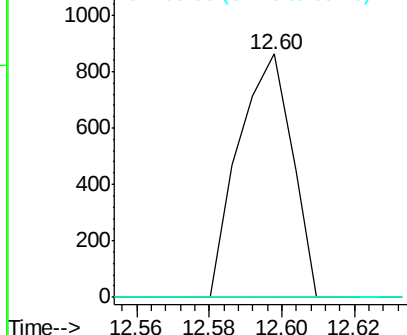
#55
4-Nitrophenol
Concen: 5.20 ng
RT: 12.60 min Scan# 1872
Delta R.T. -0.08 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 880
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

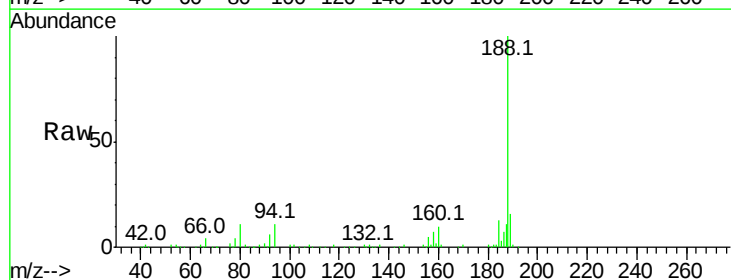


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

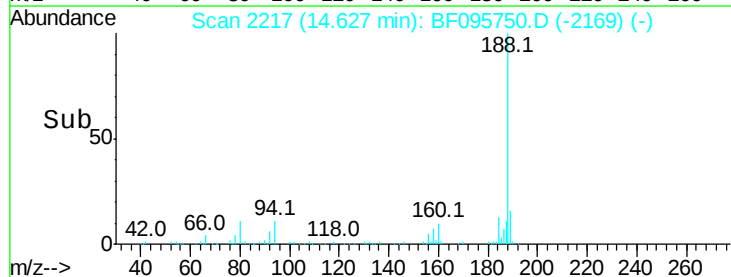
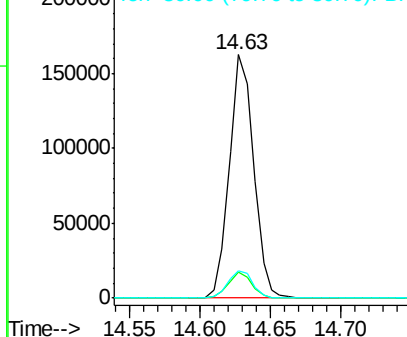


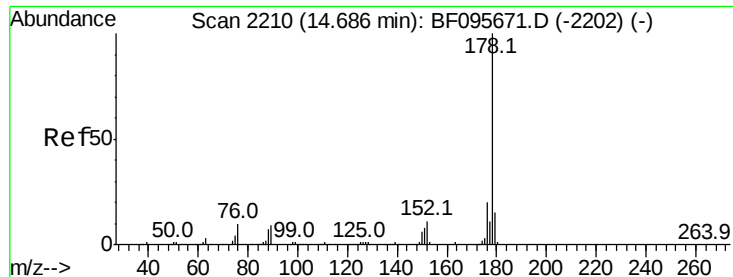
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:188 Resp: 195157
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.1 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

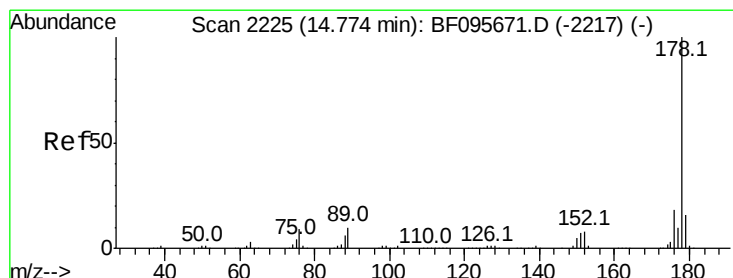
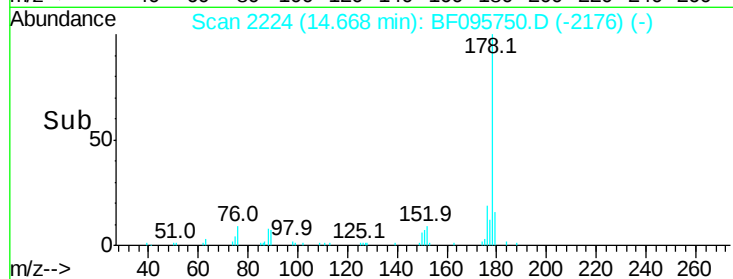
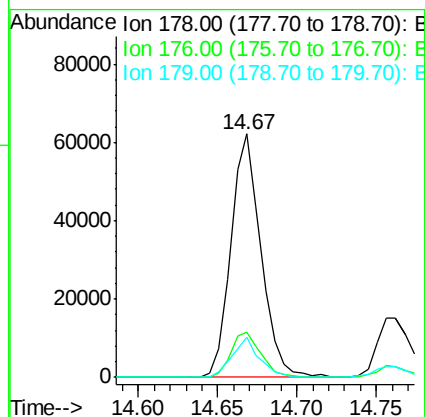
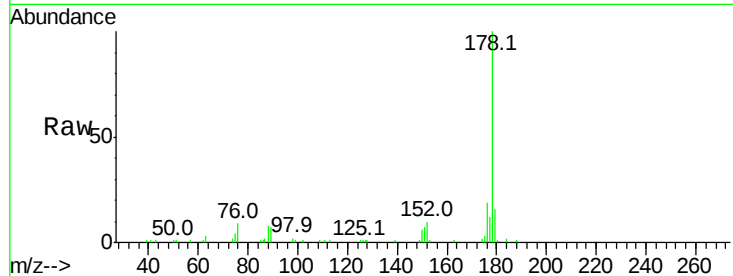




#70
Phenanthrene
Concen: 7.23 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

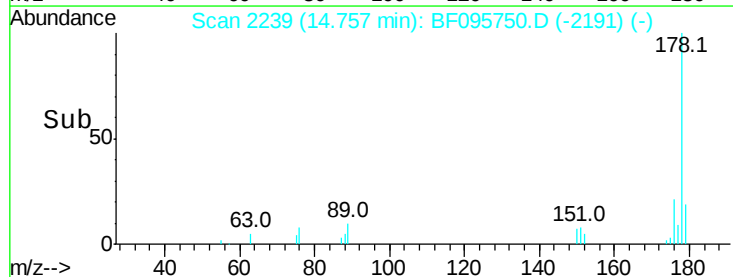
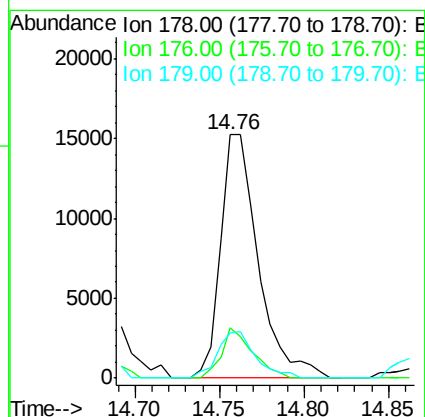
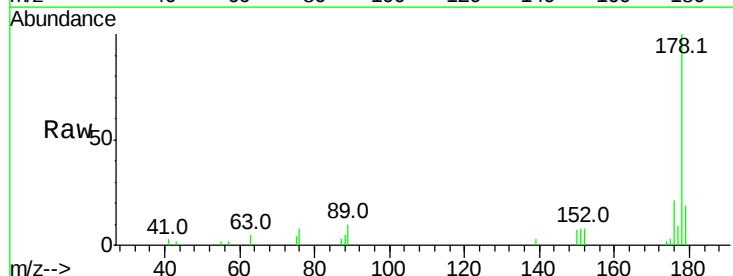
Instrument :
BNA_F
ClientSampleId :

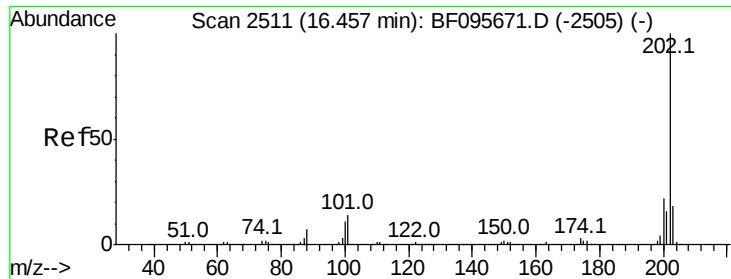
Tot Ion:178 Resp: 81425
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 16.4 12.6 19.0



#71
Anthracene
Concen: 2.02 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:178 Resp: 23761
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 18.6 12.7 19.1

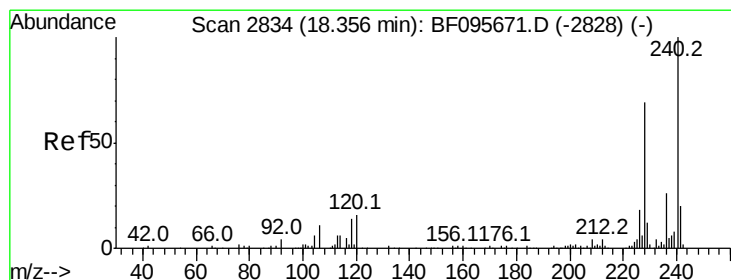
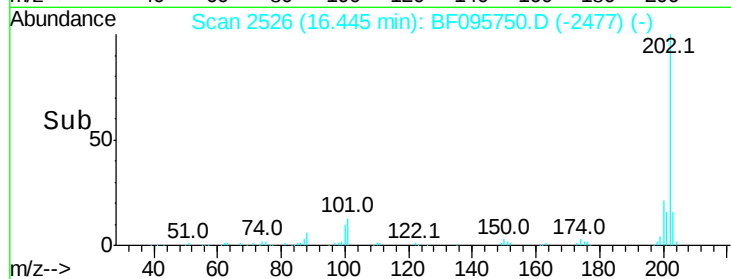
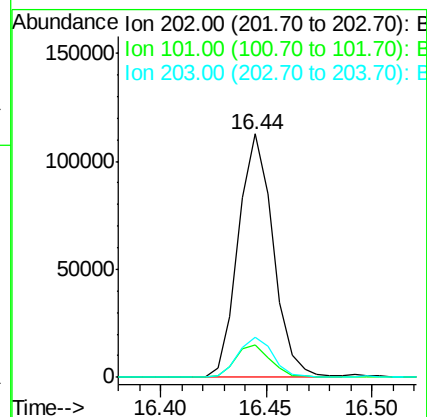
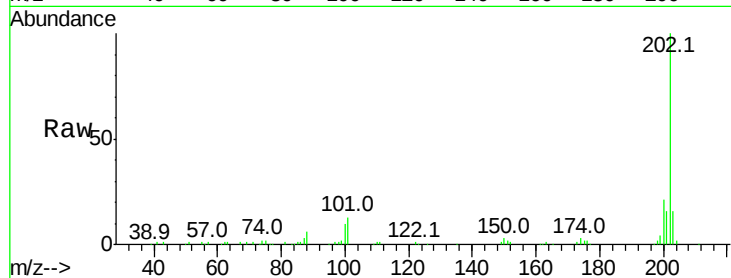




#74
Fluoranthene
Concen: 11.56 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

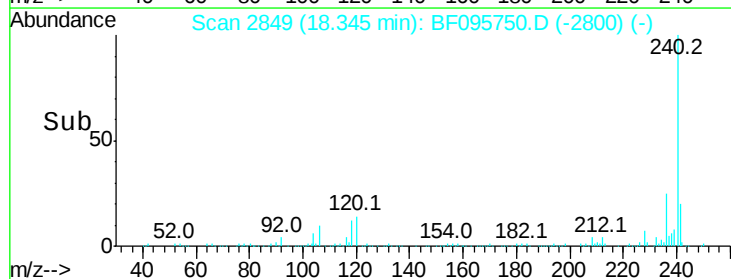
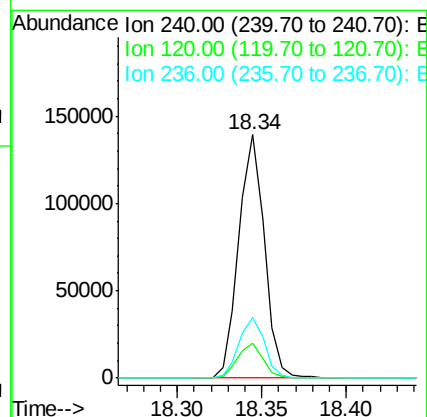
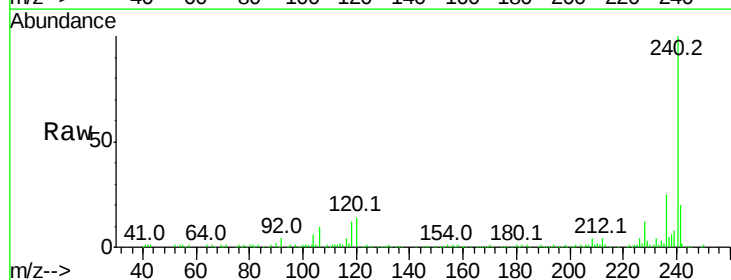
Instrument :
BNA_F
ClientSampleId :

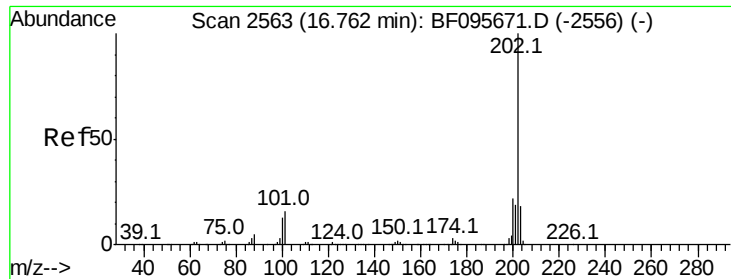
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.34 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.7	20.5	30.7





#77

Pvrene

Concen: 12.30 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

Instrument :

BNA_F

ClientSampleId :

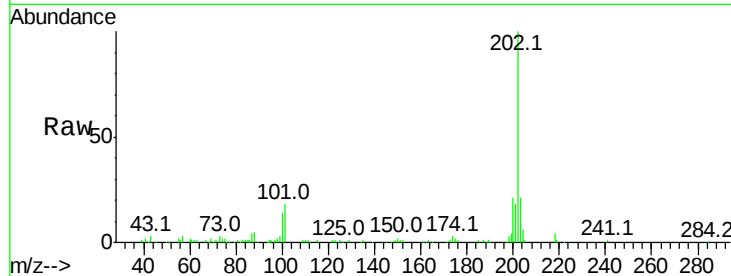
Tot Ion:202 Resp: 135332

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

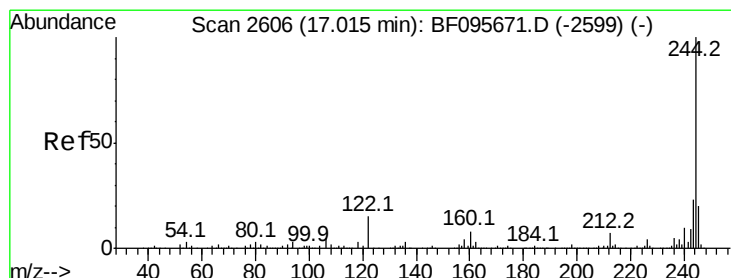
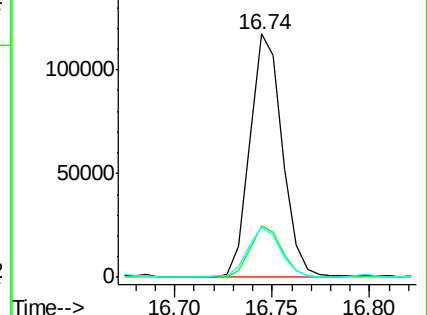
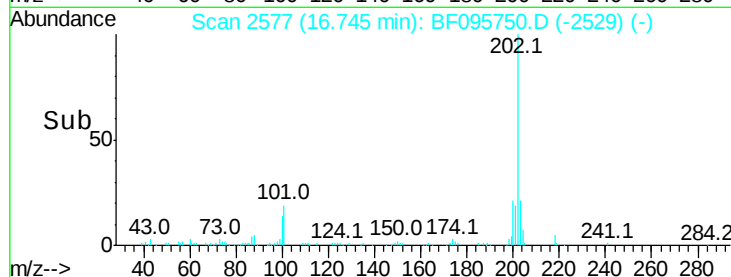
203 20.9 14.4 21.6



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: 62.33 ng

RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

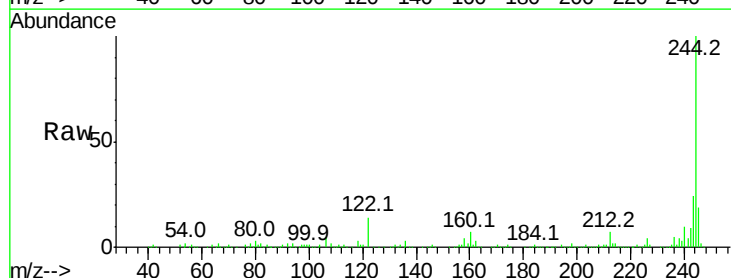
Tgt Ion:244 Resp: 370404

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

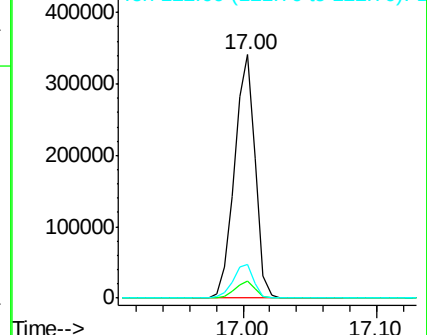
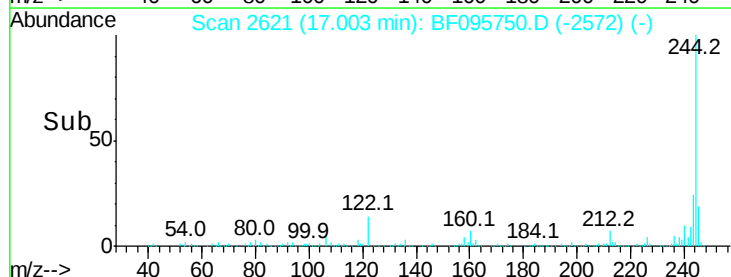
122 13.9 10.3 15.5

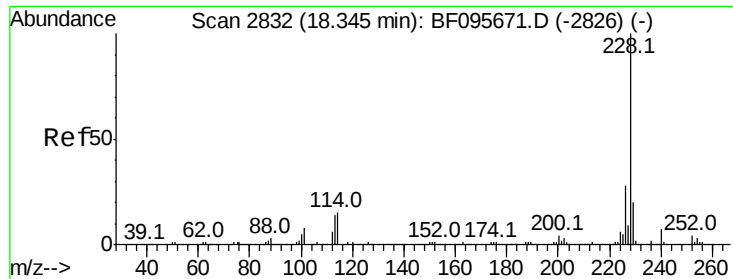


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

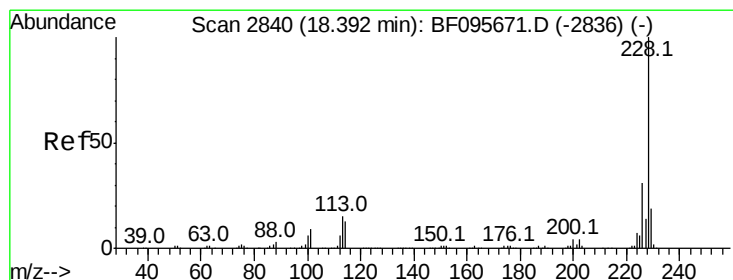
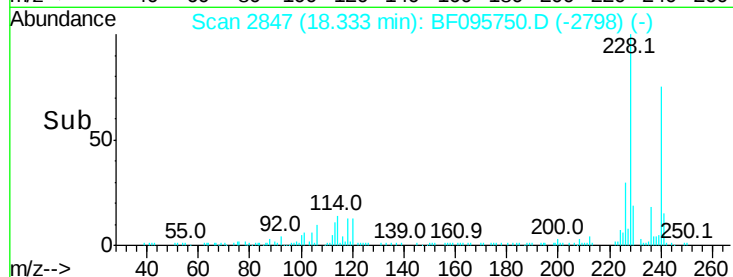
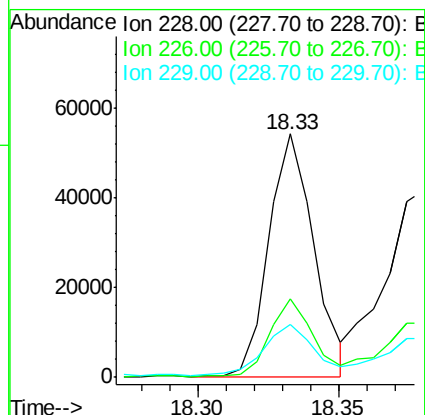
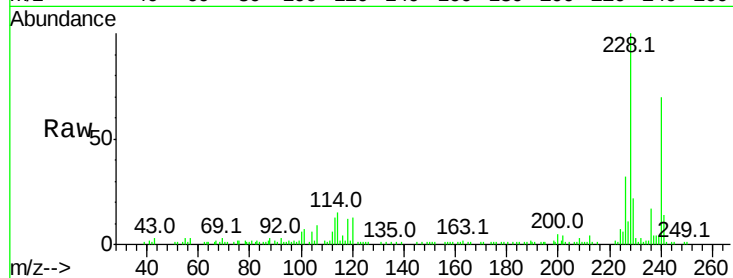




#80
Benzo(a)anthracene
Concen: 7.03 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

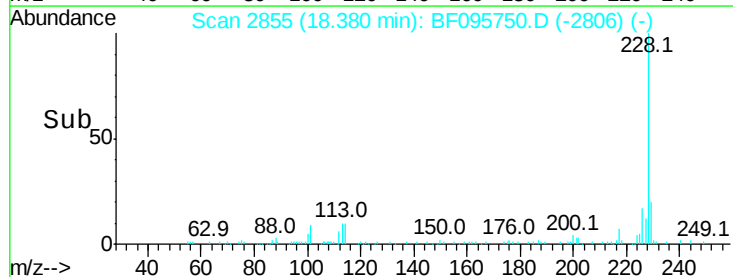
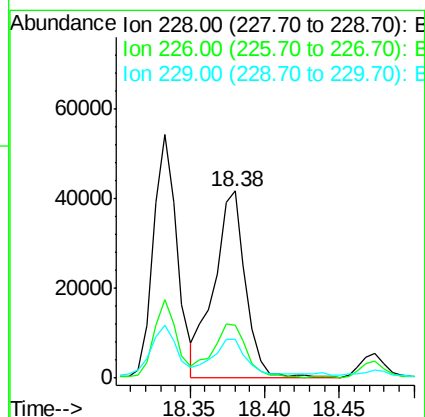
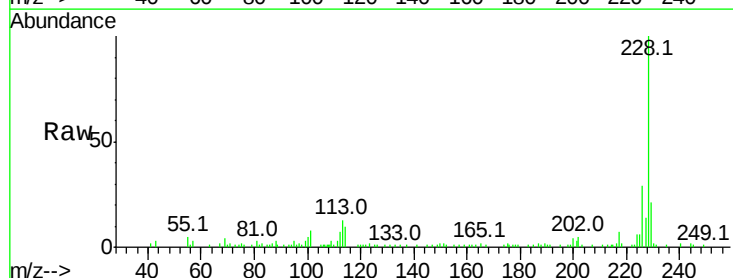
Instrument :
BNA_F
ClientSampleId :

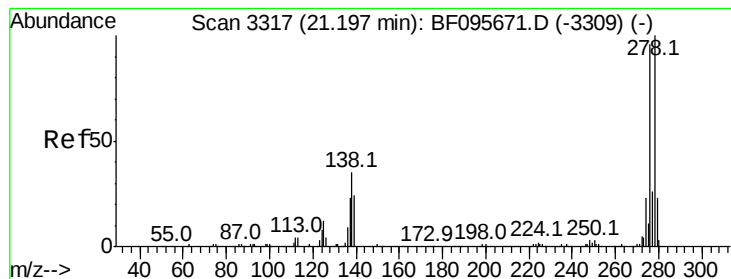
Tot Ion:228 Resp: 60295
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 7.24 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:228 Resp: 62027
Ion Ratio Lower Upper
228 100
226 28.6 24.9 37.3
229 20.9 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.53 ng

RT: 21.20 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

Instrument :

BNA_F

ClientSampleId :

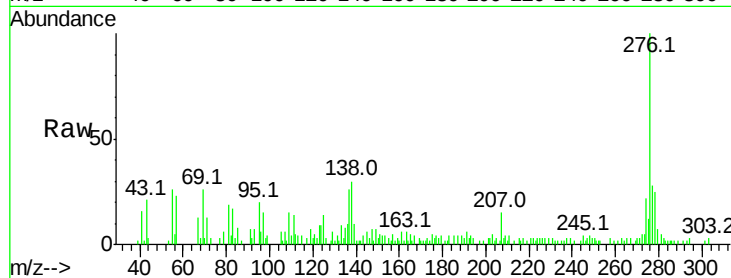
Tot Ion:276 Resp: 25864

Ion Ratio Lower Upper

276 100

138 31.4 27.8 41.6

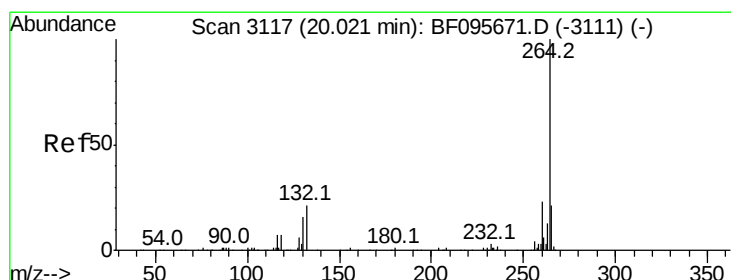
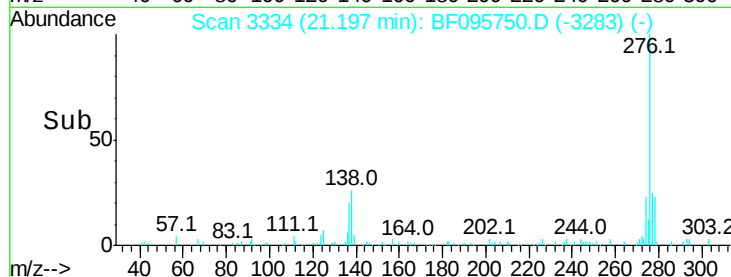
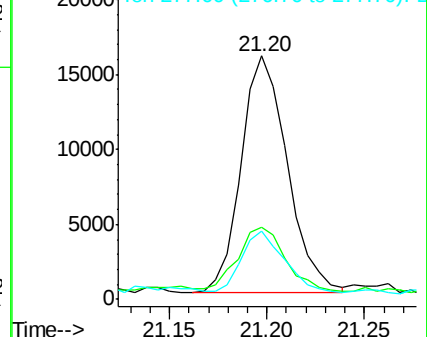
277 23.6 20.2 30.4



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: 20.01 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

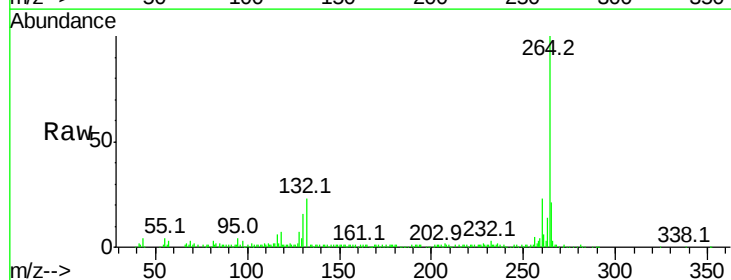
Tgt Ion:264 Resp: 120158

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

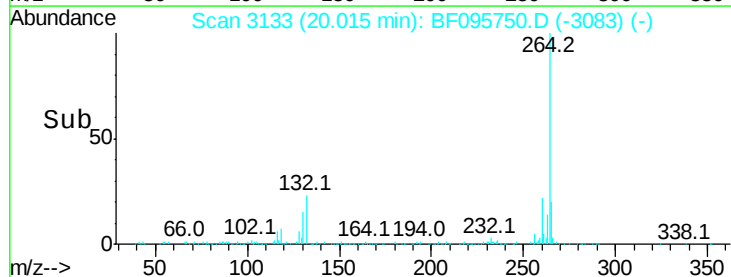
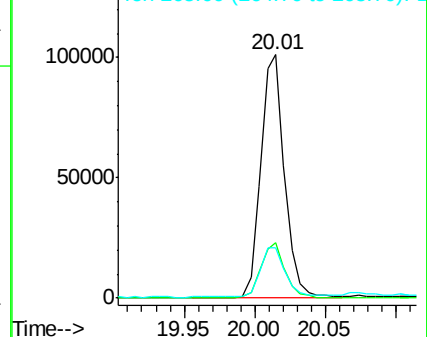
265 20.8 17.2 25.8

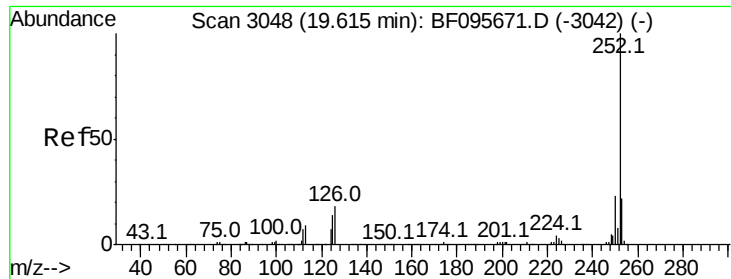


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.32 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

Instrument :

BNA_F

ClientSampleId :

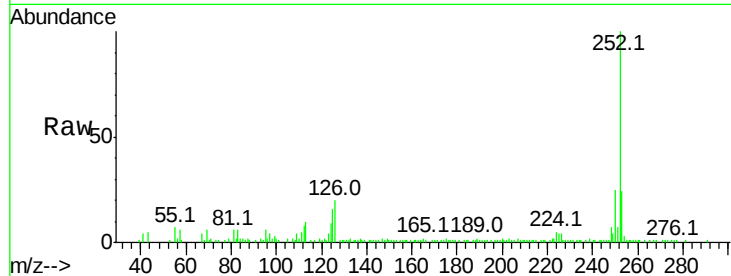
Tot Ion:252 Resp: 92724

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

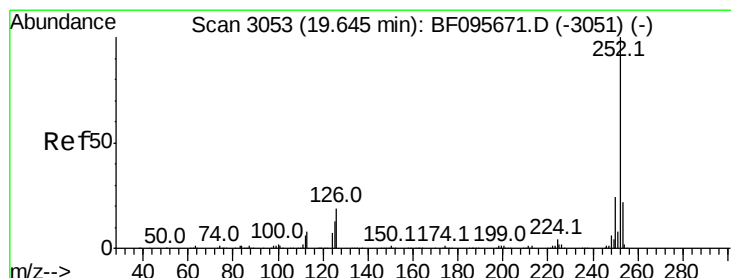
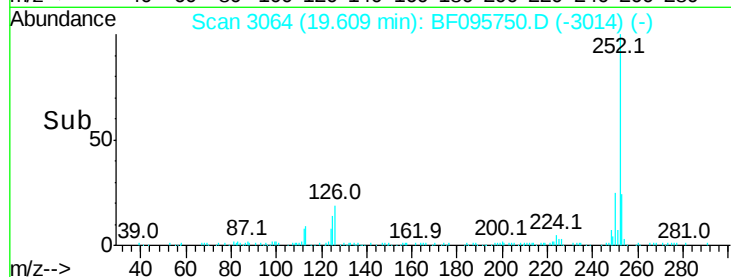
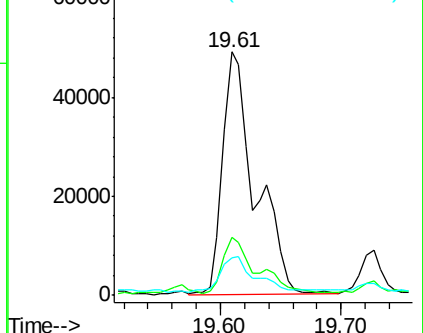
125 15.5 9.8 14.8#



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: 12.89 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.04 min

Lab File: BF095750.D

Acq: 7 Jun 2017 17:23

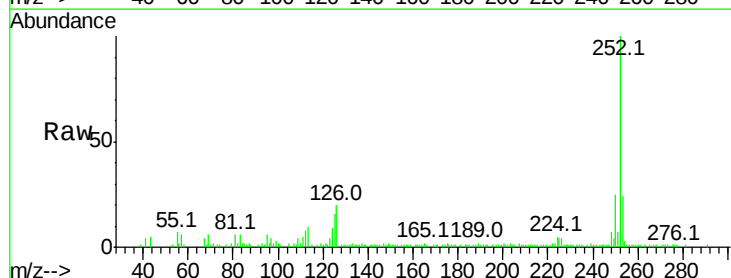
Tgt Ion:252 Resp: 92724

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

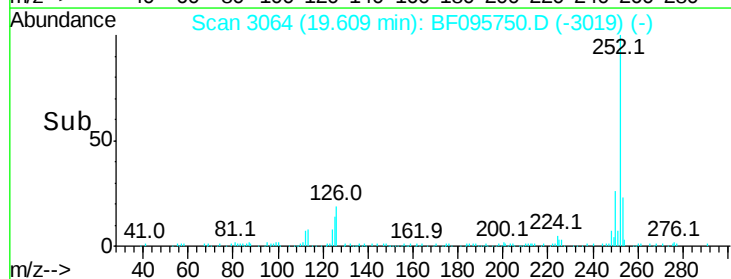
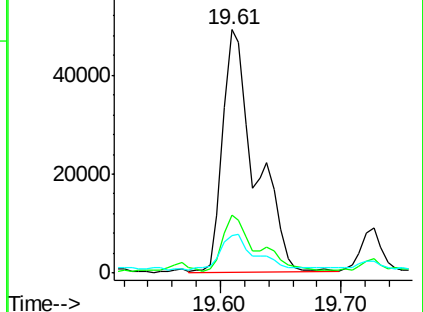
125 15.5 13.1 19.7

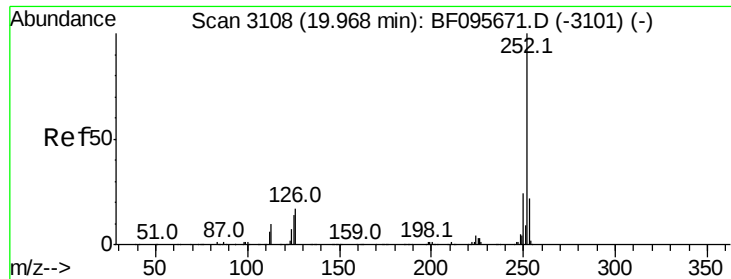


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

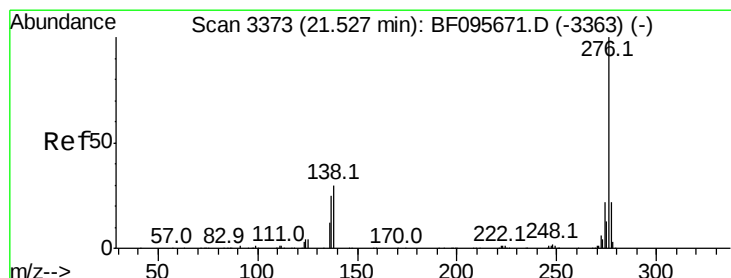
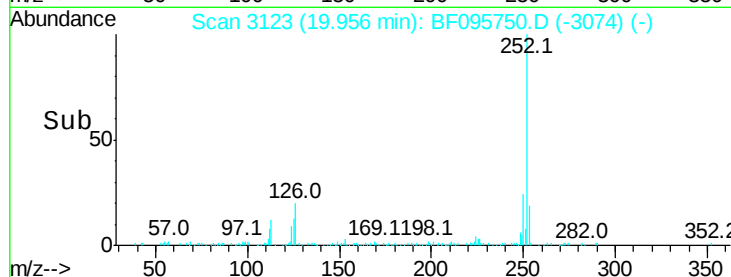
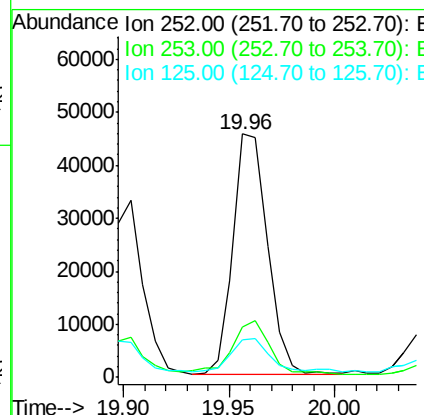
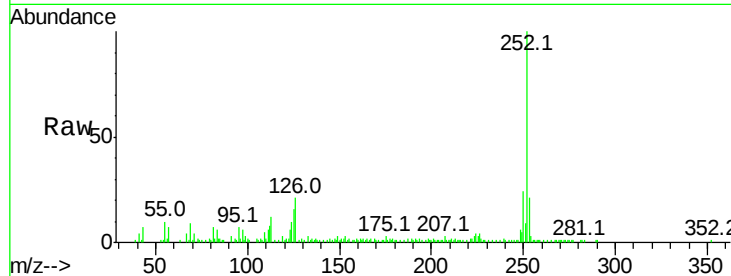




#89
Benzo(a)pyrene
Concen: 7.44 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51482
Ion Ratio Lower Upper
252 100
253 20.8 17.5 26.3
125 15.6 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095750.D
Acq: 7 Jun 2017 17:23

Tgt Ion:276 Resp: 27853
Ion Ratio Lower Upper
276 100
277 20.3 18.6 28.0
138 30.0 25.4 38.0

