

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091455.D
 Acq On : 6 Dec 2016 13:24
 Operator : UM/SJ
 Sample : H5772-04DL 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Quant Time: Dec 06 23:59:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

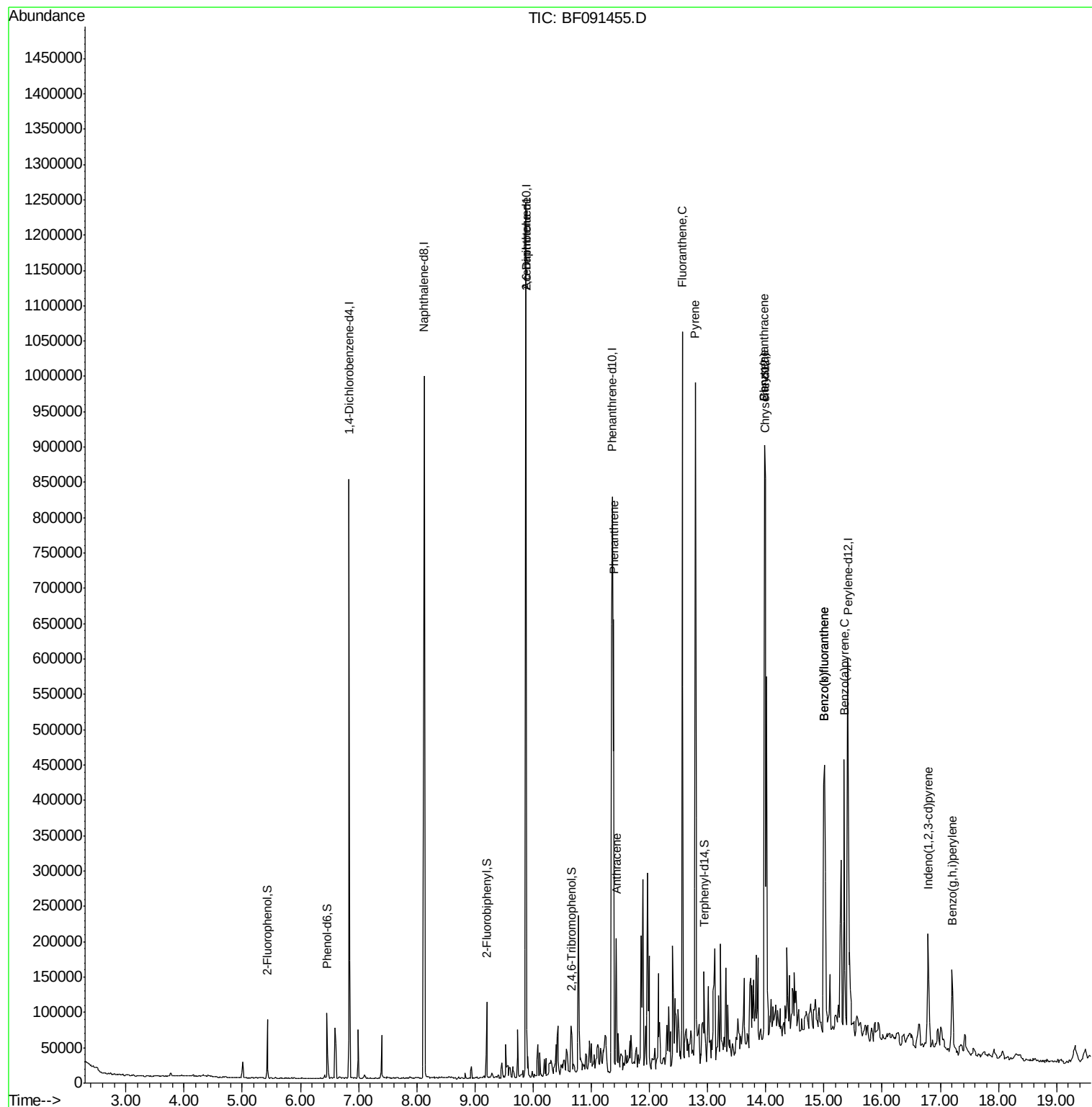
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	115494	20.00	ng	-0.04
21) Naphthalene-d8	8.13	136	491962	20.00	ng	-0.04
38) Acenaphthene-d10	9.88	164	253833	20.00	ng	-0.04
63) Phenanthrene-d10	11.36	188	423458	20.00	ng	-0.04
75) Chrysene-d12	13.99	240	275764	20.00	ng	-0.05
86) Perylene-d12	15.41	264	259279	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	18317	2.59	ng	-0.04
7) Phenol-d6	6.46	99	27264	3.13	ng	-0.04
23) Nitrobenzene-d5	7.40	82	17286	1.97	ng	-0.05
41) 2,4,6-Tribromophenol	10.66	330	5759	2.40	ng	-0.04
44) 2-Fluorobiphenyl	9.20	172	35561	2.54	ng	-0.04
78) Terphenyl-d14	12.94	244	28952	2.28	ng	-0.05
Target Compounds						
50) 2,6-Dinitrotoluene	9.88	165	33175	9.66	ng	Qvalue # 16
70) Phenanthrene	11.38	178	332080	15.09	ng	98
71) Anthracene	11.43	178	70727	3.24	ng	98
74) Fluoranthene	12.56	202	491040	23.56	ng	99
77) Pyrene	12.79	202	436792	20.87	ng	98
80) Benzo(a)anthracene	13.98	228	225568	13.99	ng	96
82) Chrysene	13.98	228	225568	14.14	ng	99
85) Indeno(1,2,3-cd)pyrene	16.79	276	113943	7.80	ng	# 92
87) Benzo(b)fluoranthene	15.01	252	336363	20.87	ng	# 97
88) Benzo(k)fluoranthene	15.01	252	336363	24.82	ng	# 96
89) Benzo(a)pyrene	15.35	252	180625	12.48	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	102147	7.40	ng	96

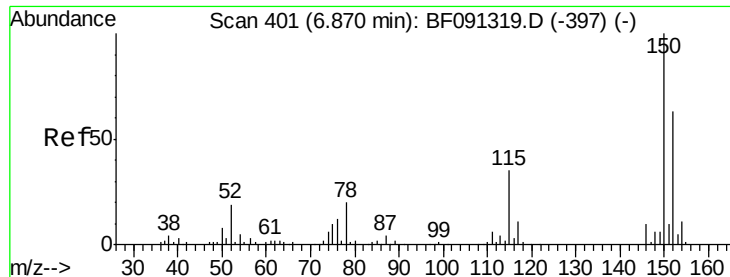
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
Data File : BF091455.D
Acq On : 6 Dec 2016 13:24
Operator : UM/SJ
Sample : H5772-04DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01DL

Quant Time: Dec 06 23:59:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

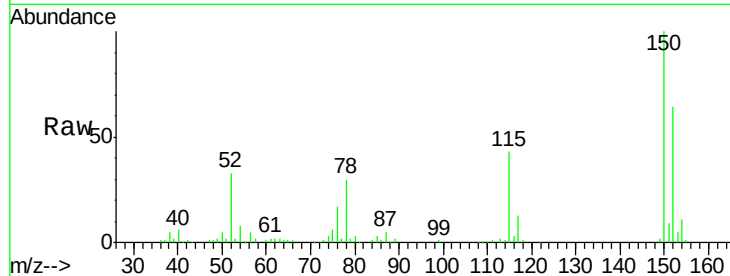
Tgt Ion:152 Resp: 115494

Ion Ratio Lower Upper

152 100

150 156.7 122.5 183.7

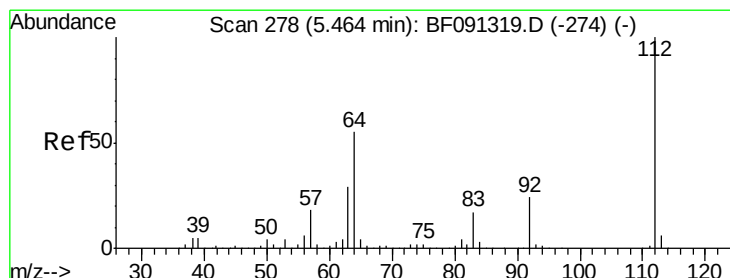
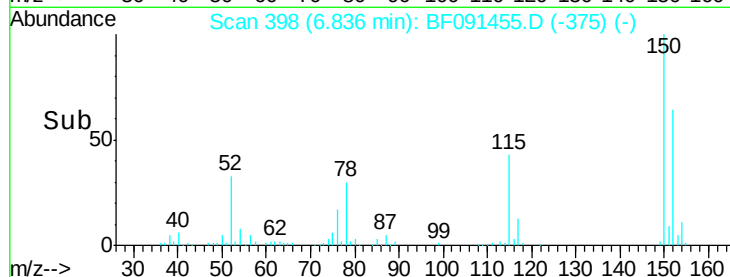
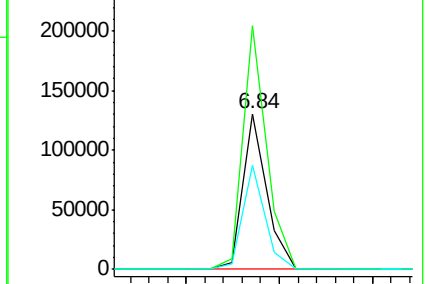
115 66.7 51.8 77.8



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: 2.59 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

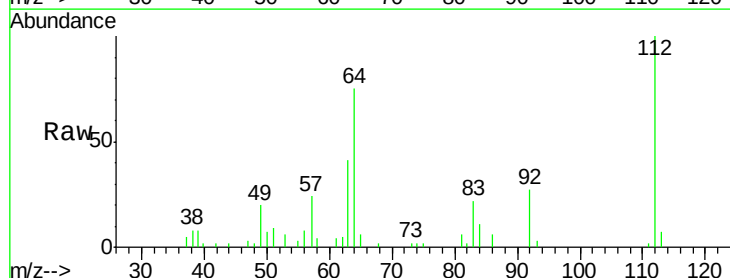
Tgt Ion:112 Resp: 18317

Ion Ratio Lower Upper

112 100

64 75.3 61.5 92.3

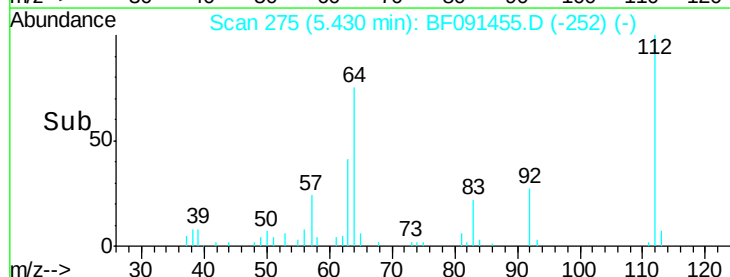
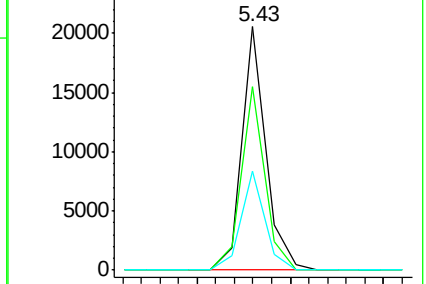
63 40.7 33.3 49.9

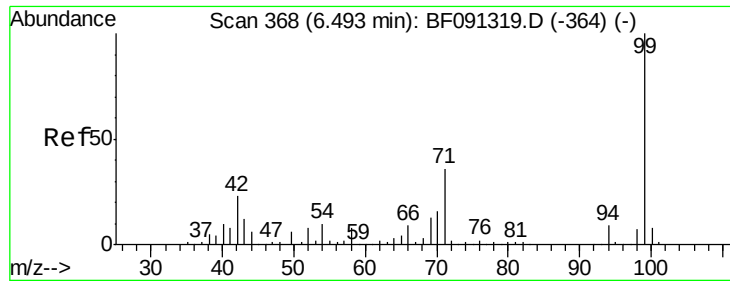


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.13 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

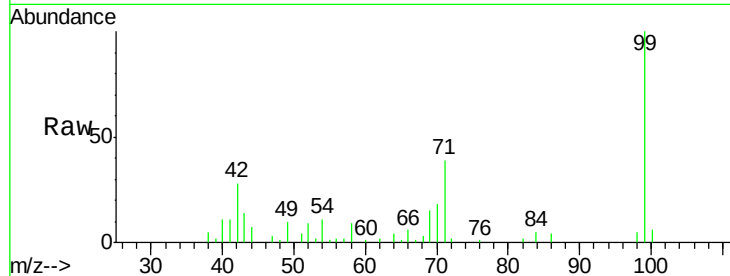
Tgt Ion: 99 Resp: 27264

Ion Ratio Lower Upper

99 100

42 27.8 20.6 31.0

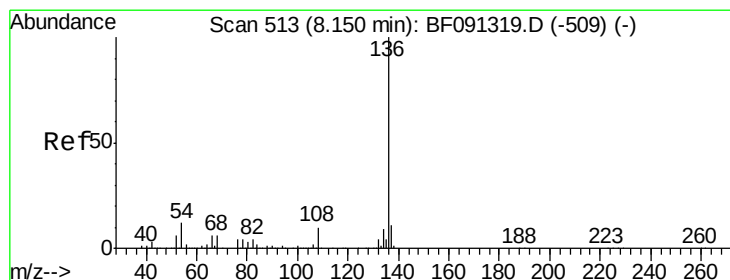
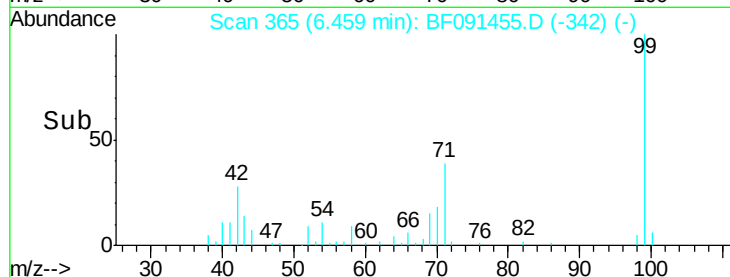
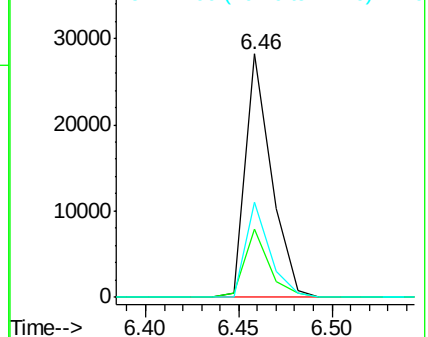
71 39.3 29.9 44.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Tgt Ion: 136 Resp: 491962

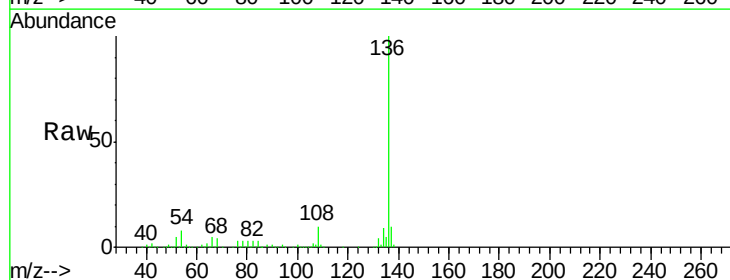
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 8.4 9.1 13.7#

68 4.0 5.9 8.9#

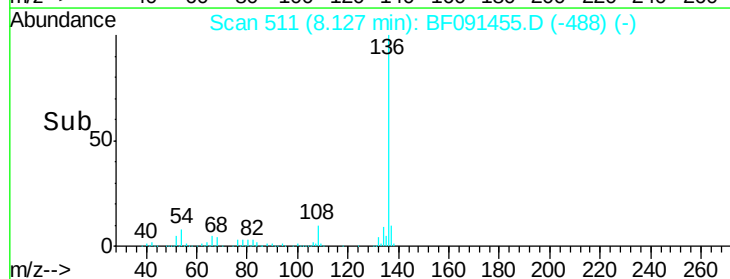
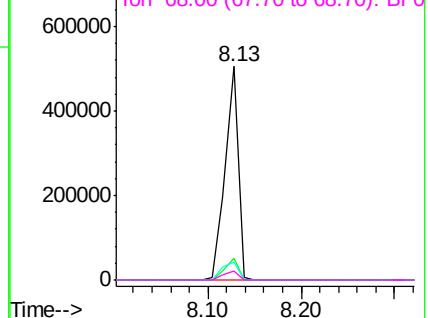


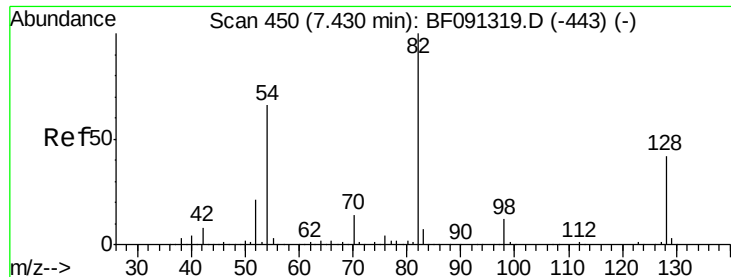
Abundance Ion 136.00 (135.70 to 136.70): E

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

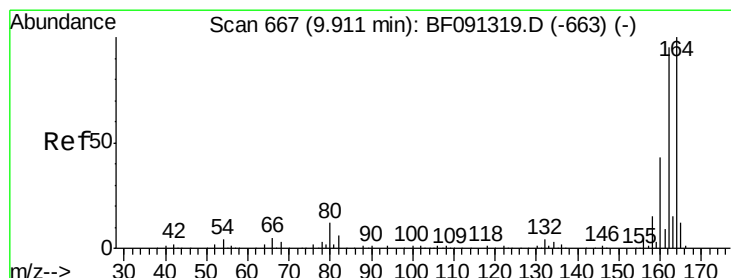
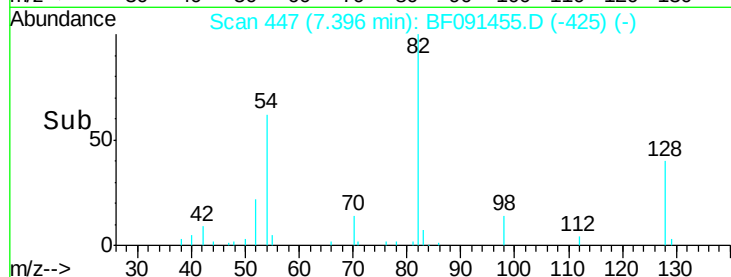
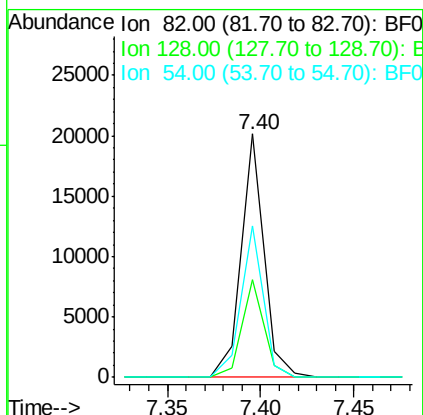
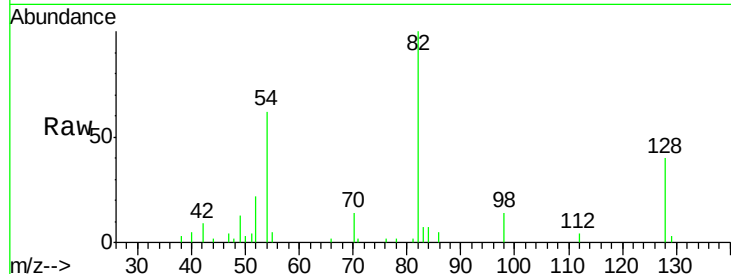




#23
 Nitrobenzene-d5
 Concen: 1.97 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.05 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

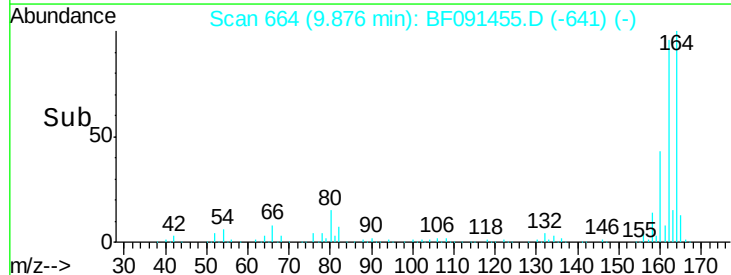
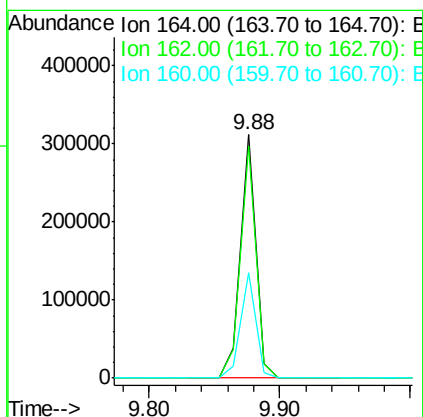
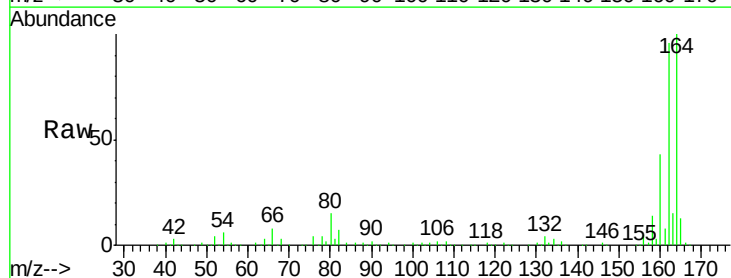
Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

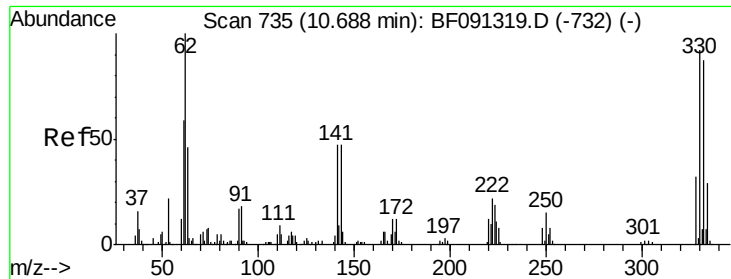
Tgt Ion: 82 Resp: 17286
 Ion Ratio Lower Upper
 82 100
 128 40.2 31.8 47.6
 54 62.2 49.1 73.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion: 164 Resp: 253833
 Ion Ratio Lower Upper
 164 100
 162 95.5 82.6 124.0
 160 43.1 36.7 55.1

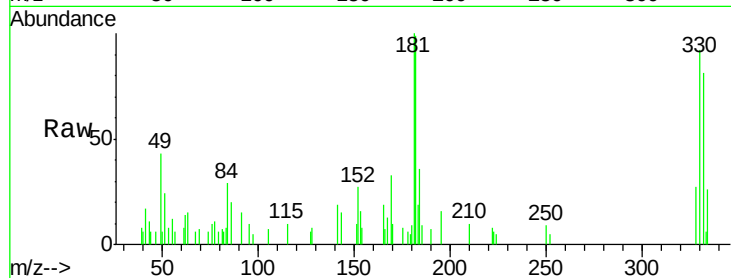




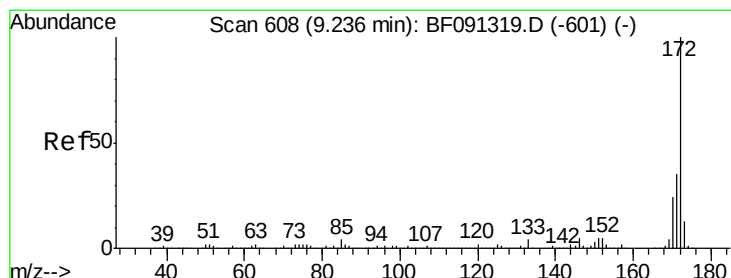
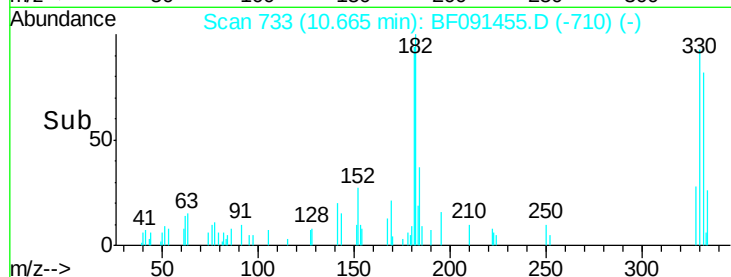
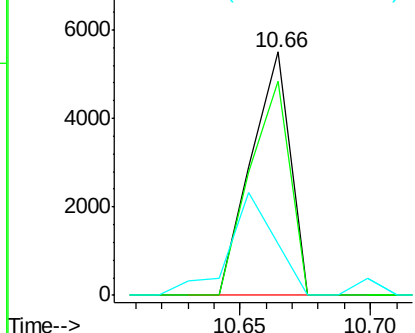
#41
 2,4,6-Tribromophenol
 Concen: 2.40 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.04 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Tgt Ion:330 Resp: 5759
 Ion Ratio Lower Upper
 330 100
 332 90.9 76.2 114.4
 141 50.1 33.6 50.4

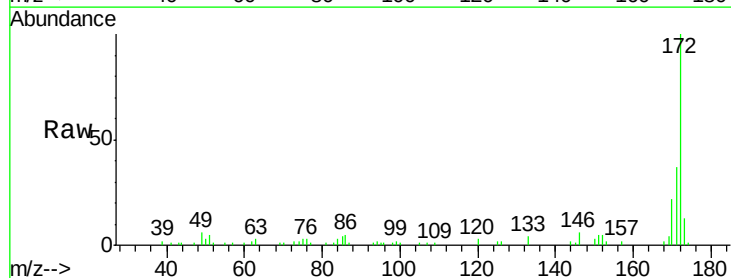


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

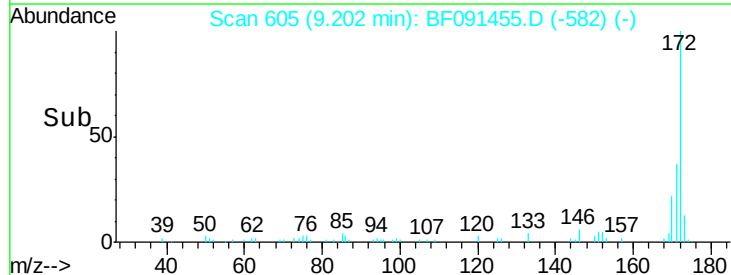
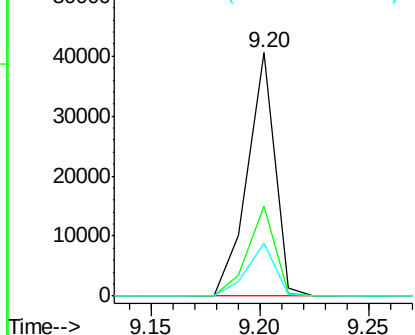


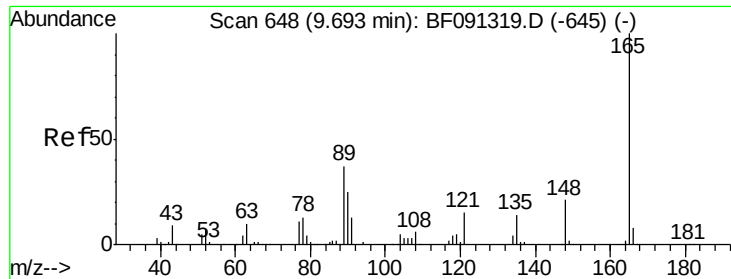
#44
 2-Fluorobiphenyl
 Concen: 2.54 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.04 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion:172 Resp: 35561
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 21.9 19.7 29.5



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

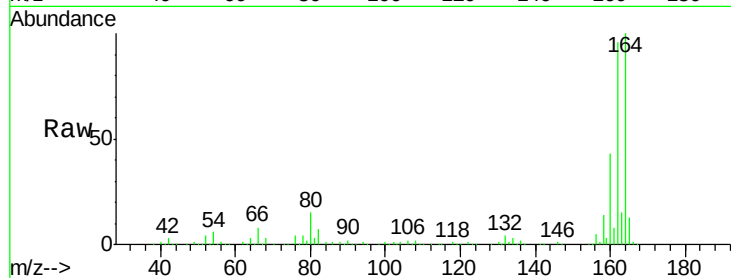




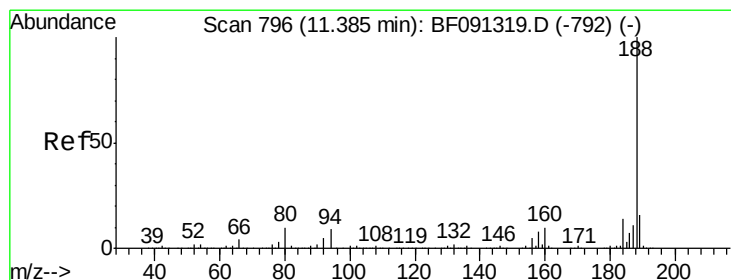
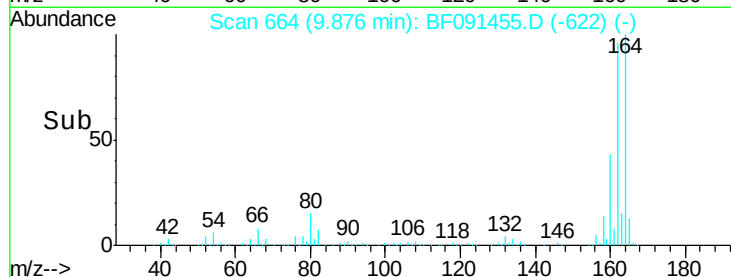
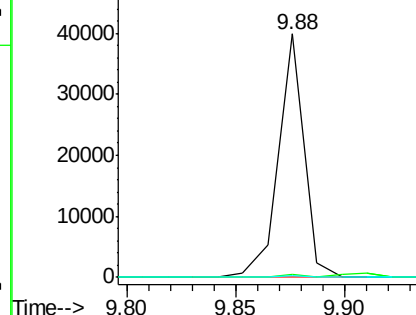
#50
 2,6-Dinitrotoluene
 Concen: 9.66 ng
 RT: 9.88 min Scan# 664
 Delta R.T. 0.18 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Instrument :
 BNA_F
 ClientSampled :
 SB-01DL

Tgt Ion:165 Resp: 33175
 Ion Ratio Lower Upper
 165 100
 63 1.1 59.4 89.0#
 89 0.9 50.8 76.2#

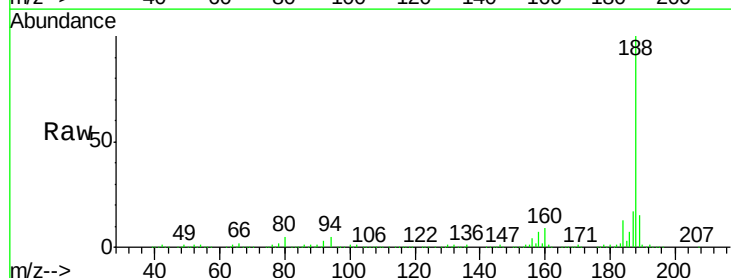


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

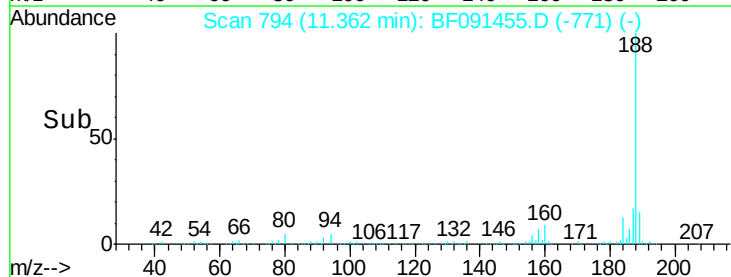
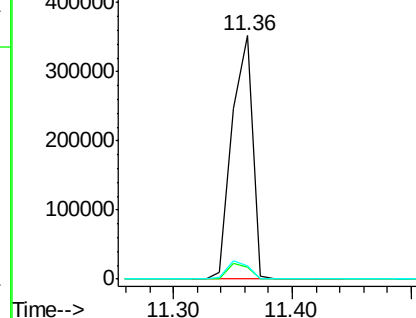


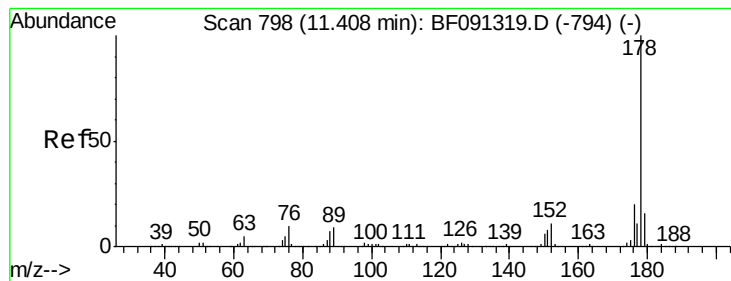
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.04 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion:188 Resp: 423458
 Ion Ratio Lower Upper
 188 100
 94 5.0 9.2 13.8#
 80 5.4 10.5 15.7#



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: 15.09 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

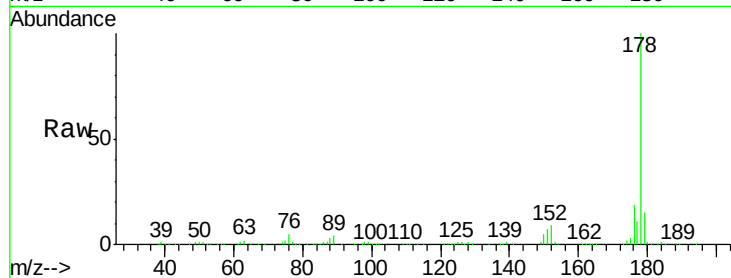
Tgt Ion:178 Resp: 332080

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

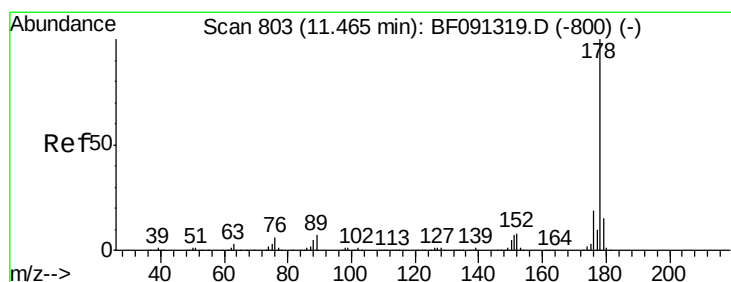
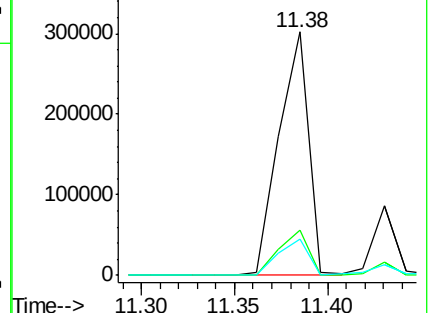
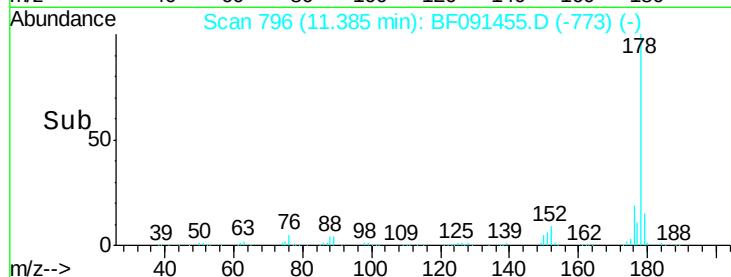
179 14.8 12.6 18.8



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: 3.24 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

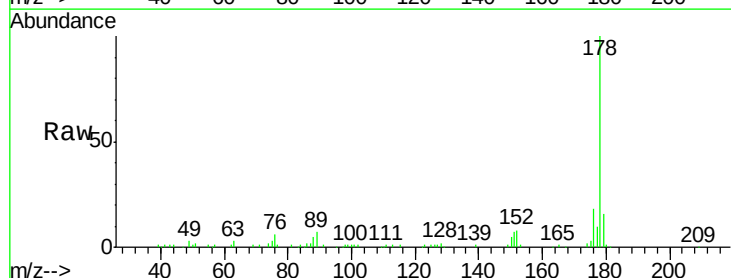
Tgt Ion:178 Resp: 70727

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

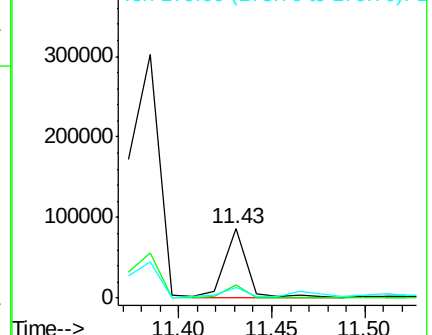
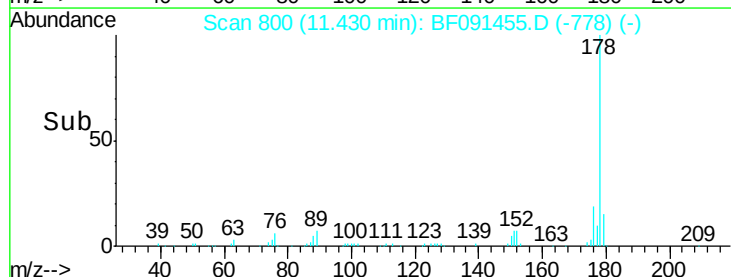
179 15.9 12.7 19.1

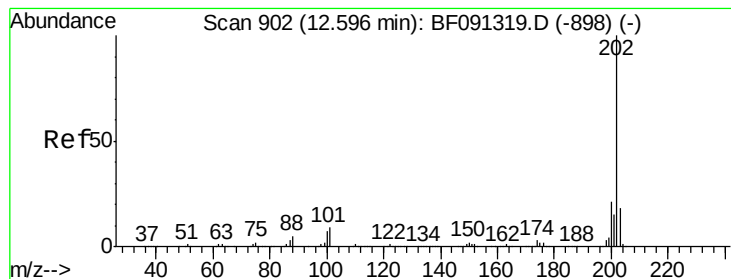


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.56 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

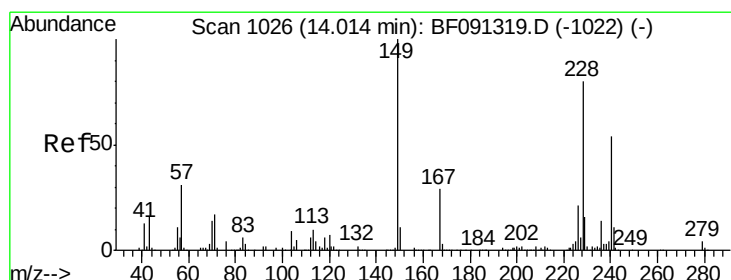
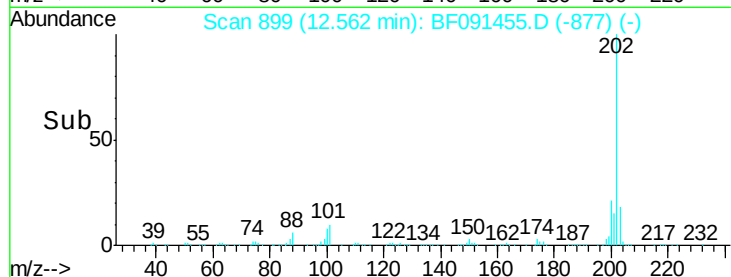
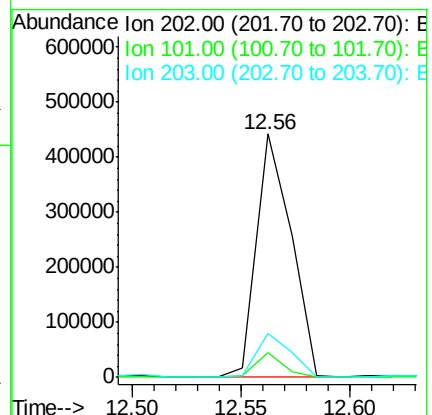
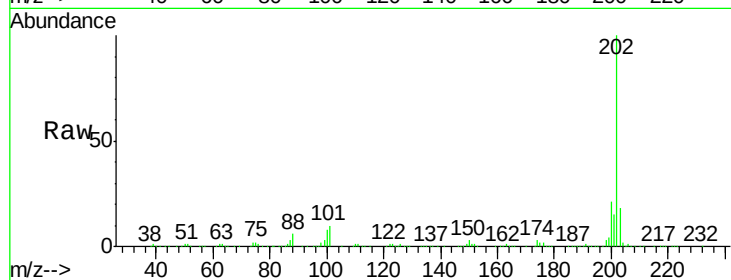
Tgt Ion: 202 Resp: 491040

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.5

203 18.0 0.0 37.8



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

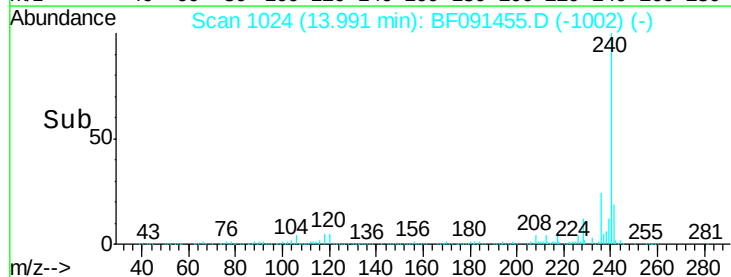
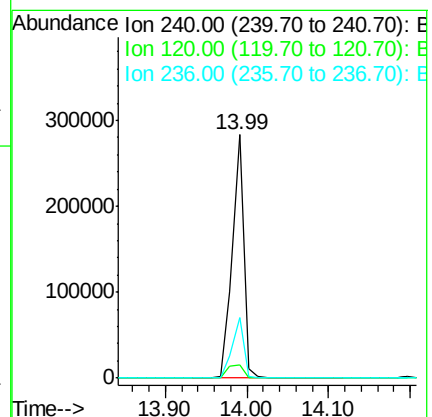
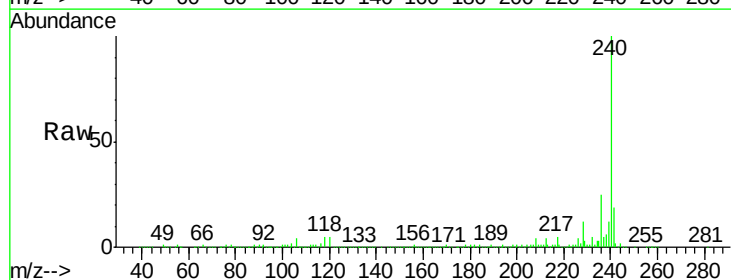
Tgt Ion: 240 Resp: 275764

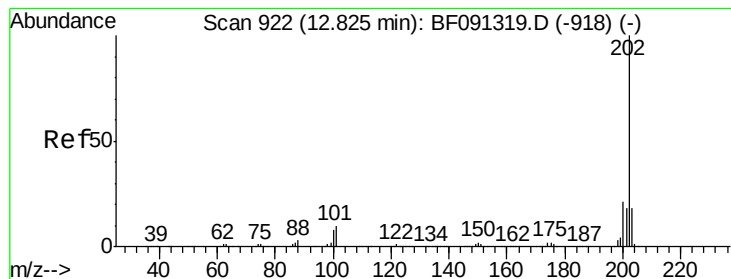
Ion Ratio Lower Upper

240 100

120 5.4 12.1 18.1#

236 24.8 21.0 31.6





#77

Pyrene

Concen: 20.87 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampled :

SB-01DL

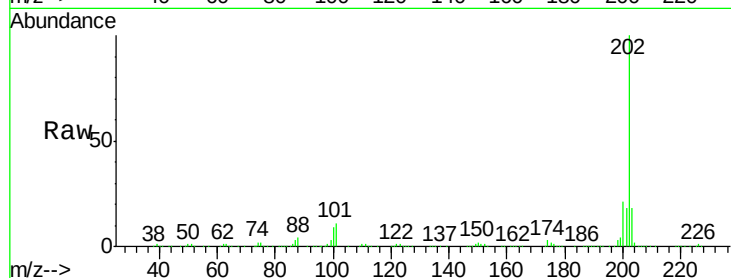
Tgt Ion:202 Resp: 436792

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

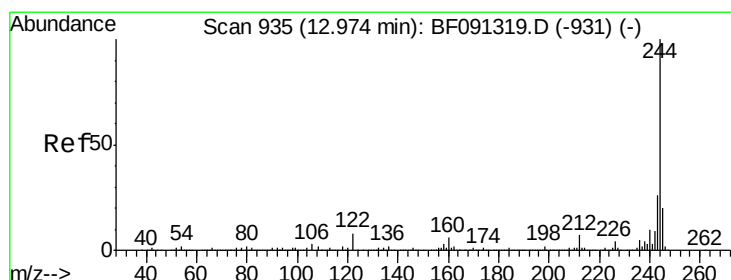
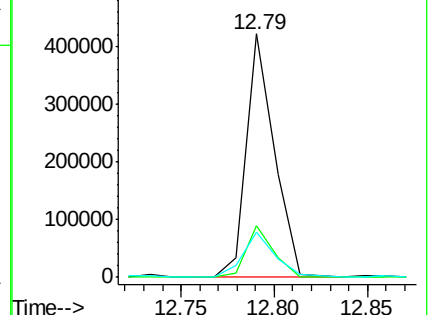
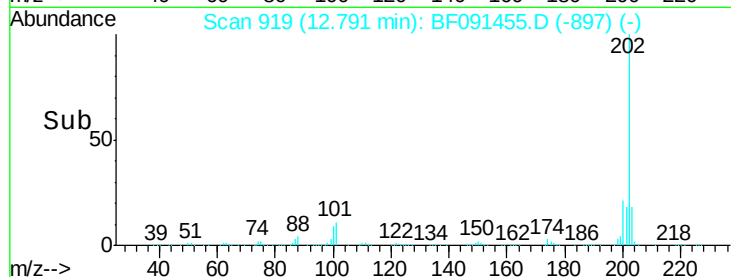
203 18.4 14.0 21.0



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: 2.28 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

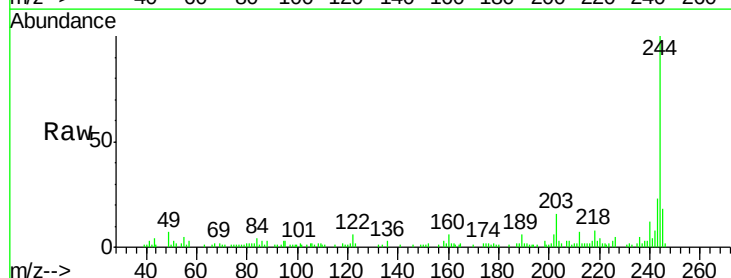
Tgt Ion:244 Resp: 28952

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

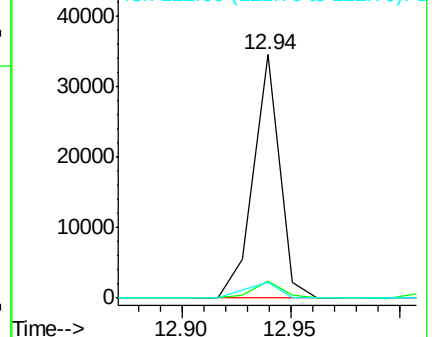
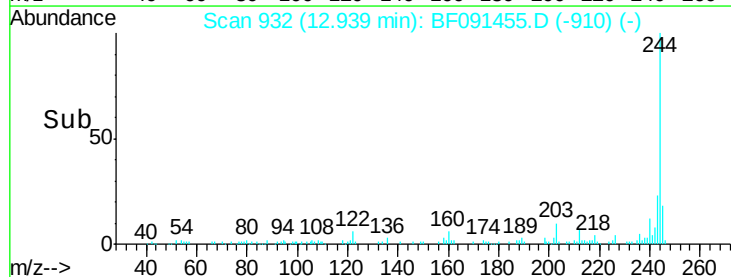
122 6.3 9.5 14.3#

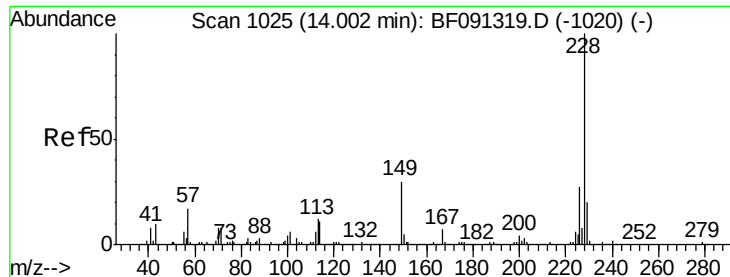


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.99 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.04 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampled :

SB-01DL

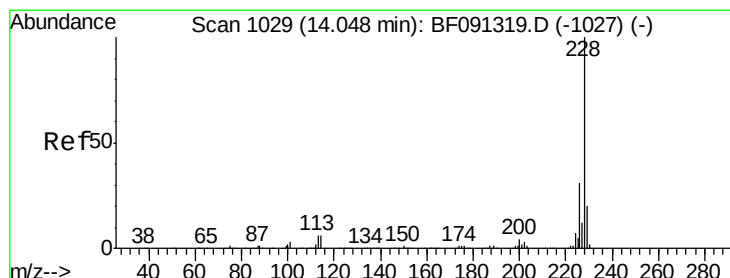
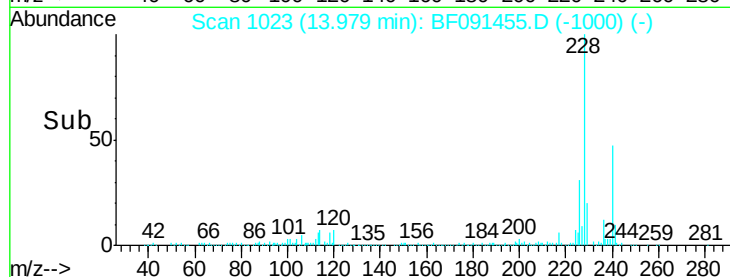
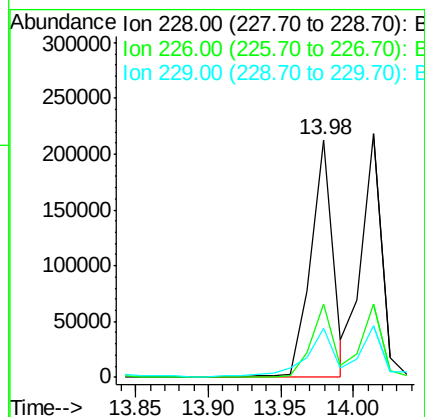
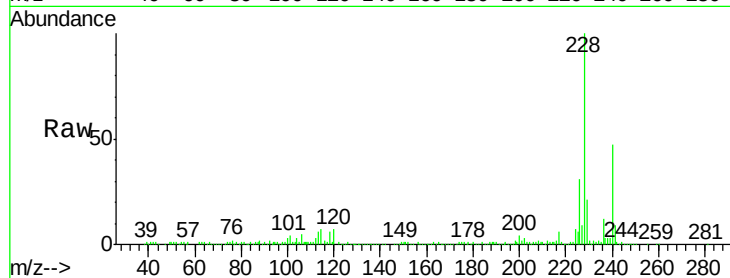
Tgt Ion:228 Resp: 225568

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

229 20.8 16.4 24.6



#82

Chrysene

Concen: 14.14 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.09 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

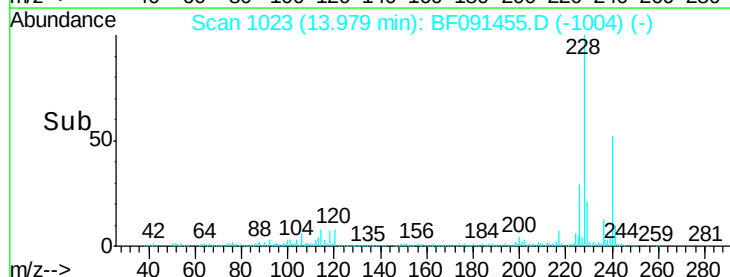
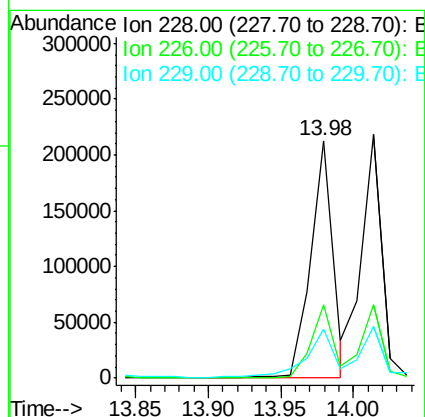
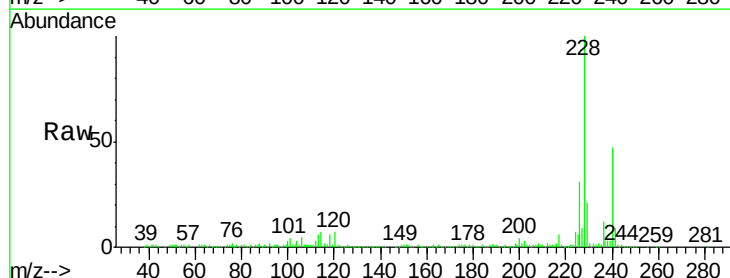
Tgt Ion:228 Resp: 225568

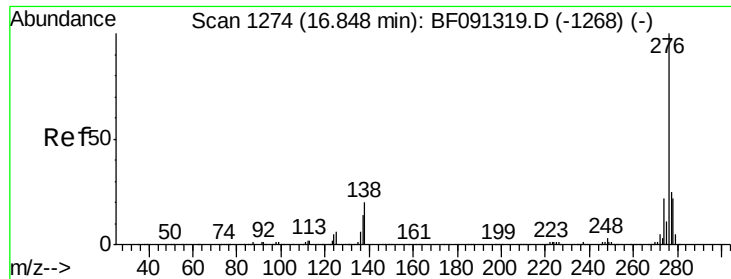
Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 20.8 16.0 24.0

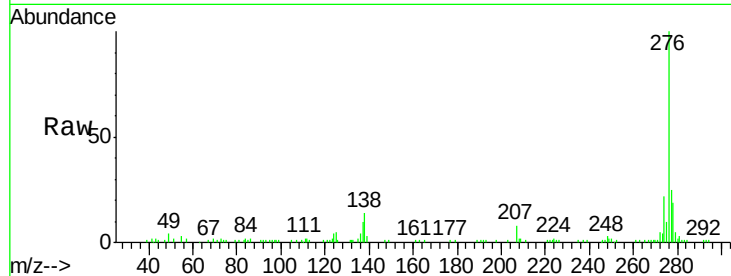




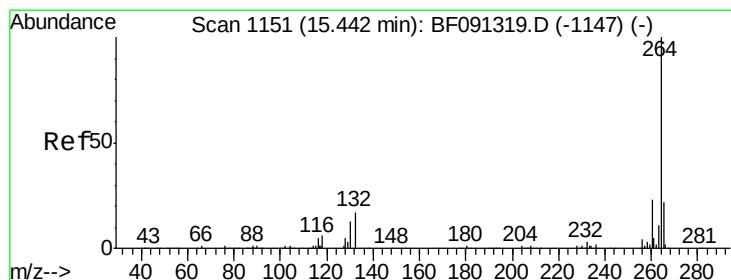
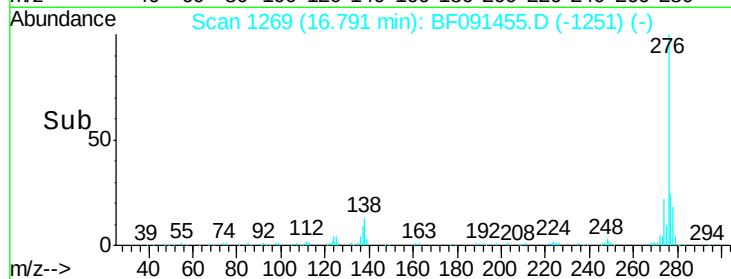
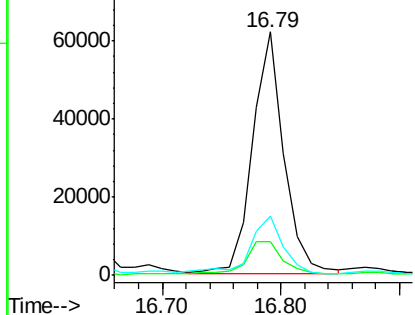
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.80 ng
 RT: 16.79 min Scan# 1269
 Delta R.T. -0.10 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	21.0	31.4#
277	25.8	20.2	30.2

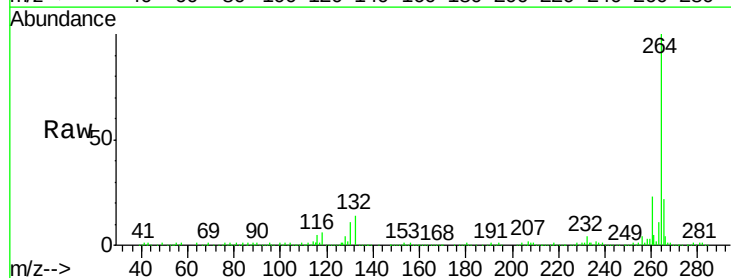


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

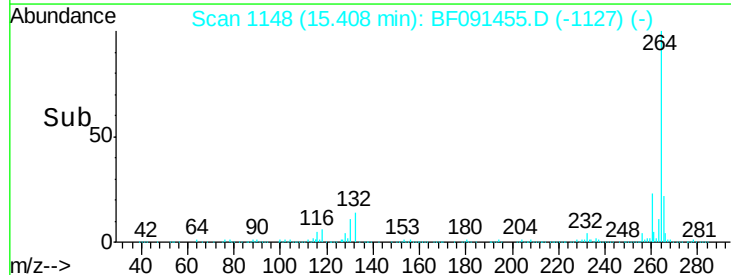
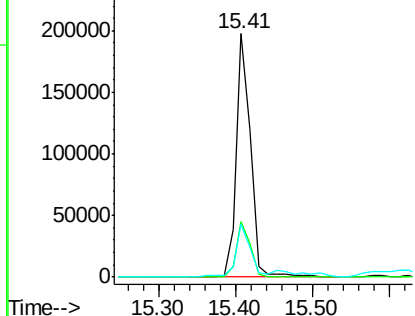


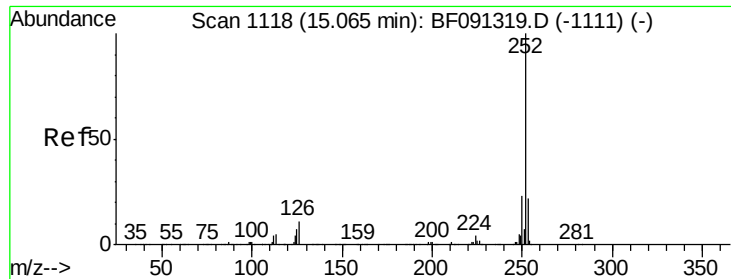
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1148
 Delta R.T. -0.06 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.8	17.0	25.6



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: 20.87 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.05 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

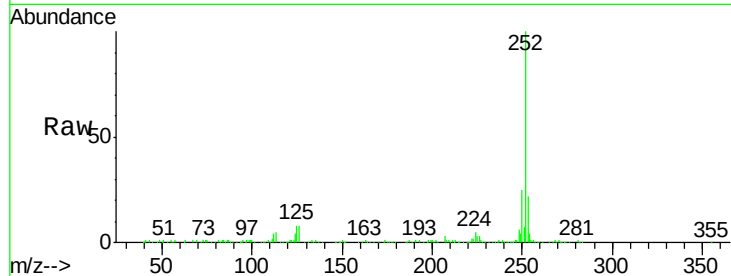
Tgt Ion:252 Resp: 336363

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

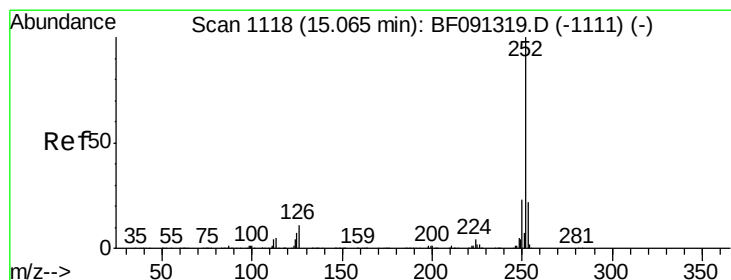
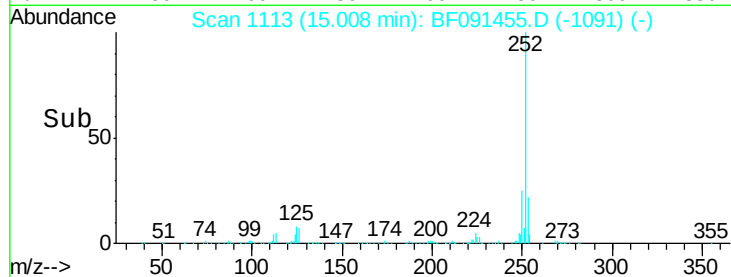
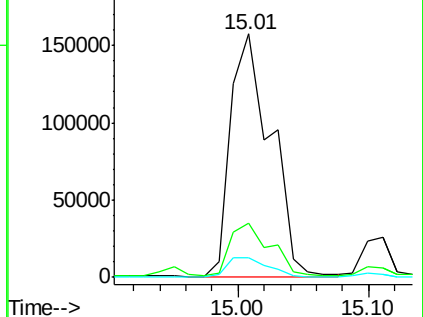
125 7.9 8.6 13.0#



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: 24.82 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.07 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

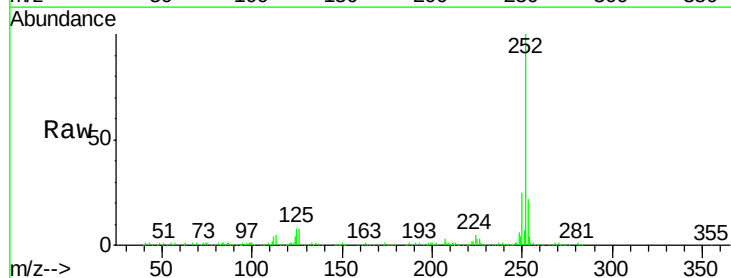
Tgt Ion:252 Resp: 336363

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

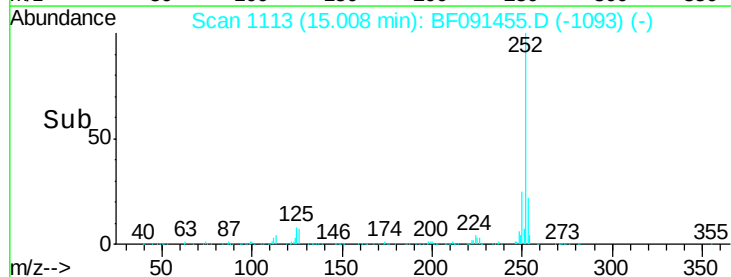
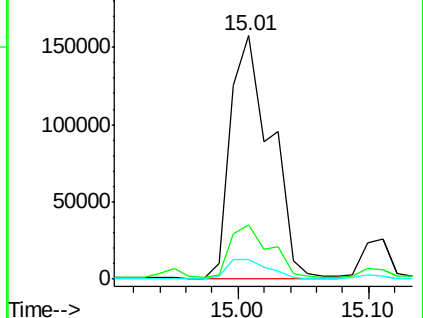
125 7.9 9.6 14.4#

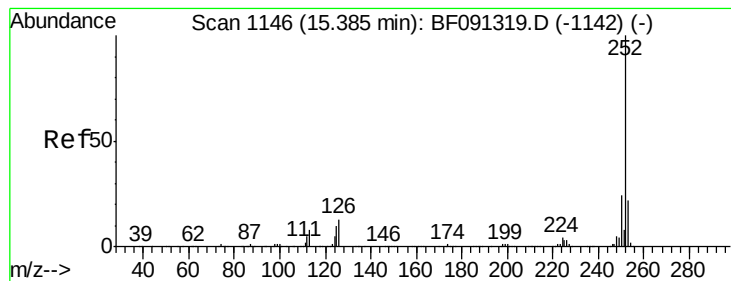


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.48 ng

RT: 15.35 min Scan# 1143

Delta R.T. -0.06 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

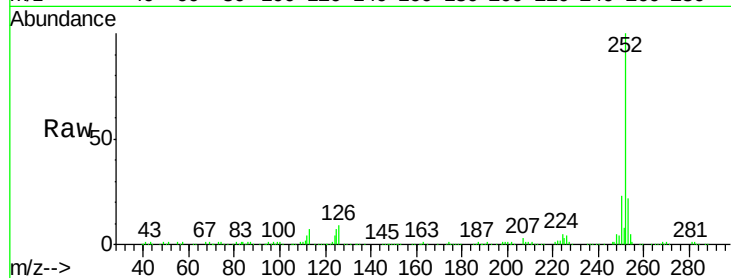
Tgt Ion: 252 Resp: 180625

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

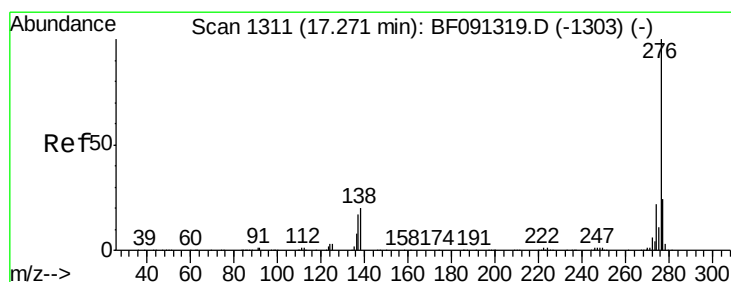
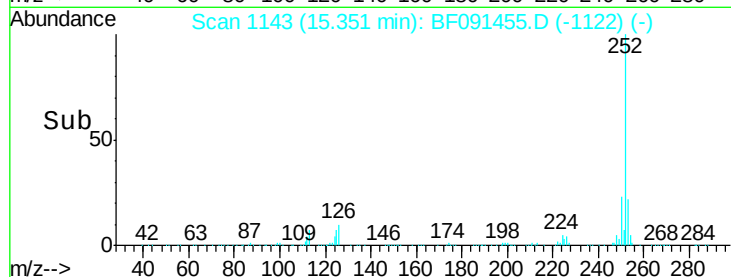
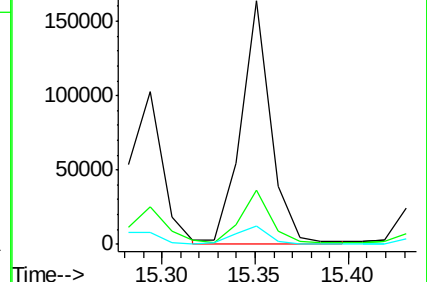
125 7.4 10.4 15.6#



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: 7.40 ng

RT: 17.20 min Scan# 1305

Delta R.T. -0.11 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

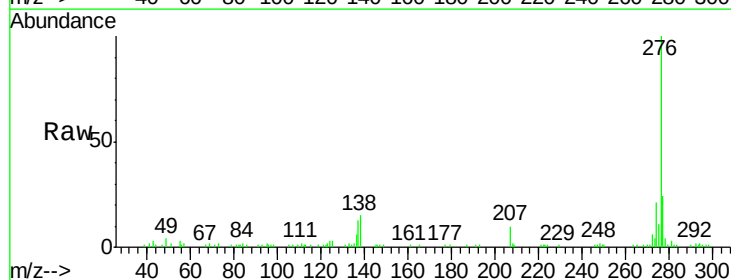
Tgt Ion: 276 Resp: 102147

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 15.5 15.4 23.0



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

