

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091468.D
 Acq On : 6 Dec 2016 19:41
 Operator : UM/SJ
 Sample : H5836-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP16-COMP3

Quant Time: Dec 07 01:02:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 00:12:14 2016
 Response via : Initial Calibration

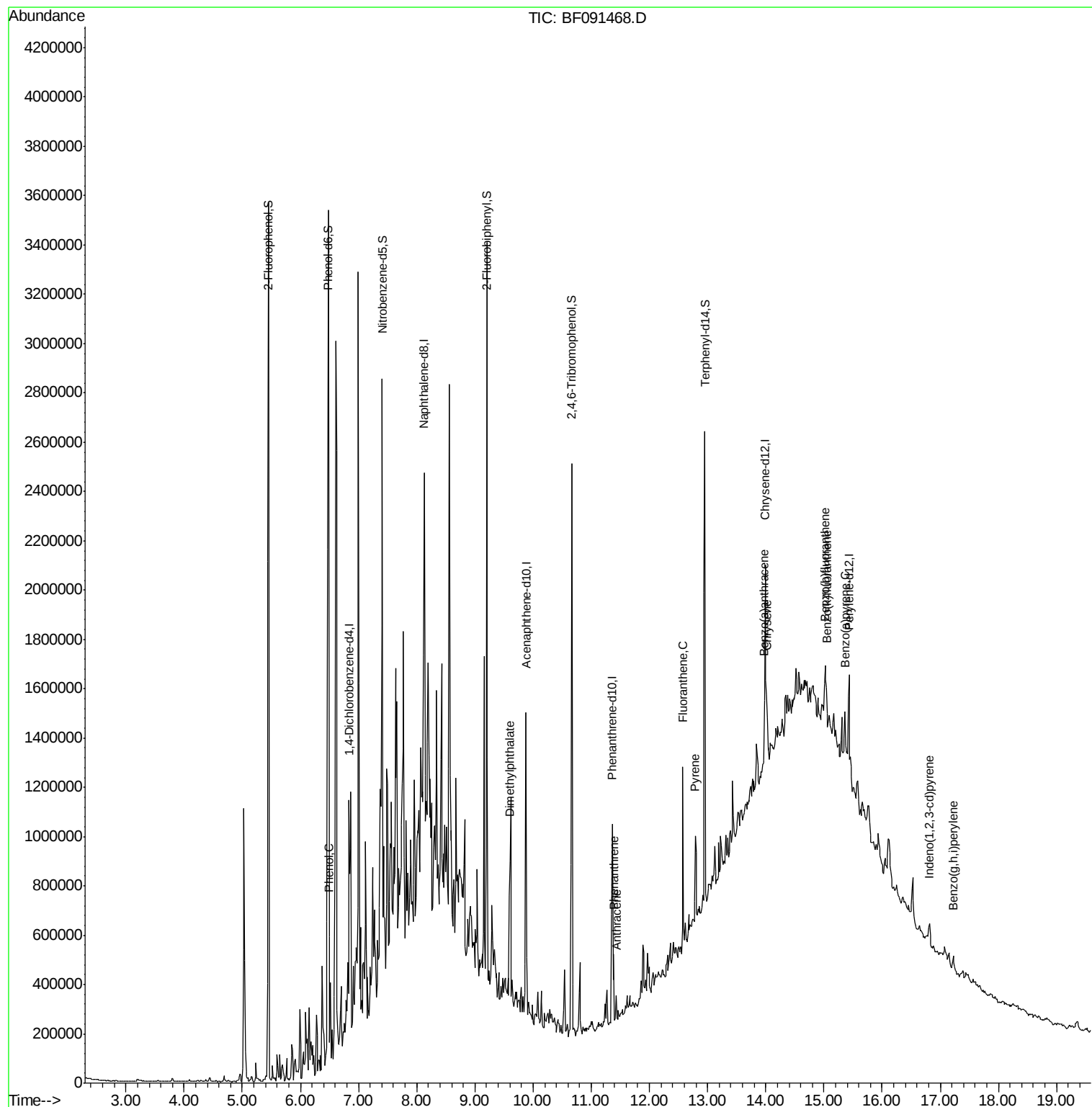
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	126911	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	493191	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	258407	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	374359	20.00	ng	0.00
75) Chrysene-d12	13.99	240	276213	20.00	ng	0.00
86) Perylene-d12	15.43	264	244929	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1033763	133.07	ng	0.01
7) Phenol-d6	6.48	99	1295010	135.42	ng	0.01
23) Nitrobenzene-d5	7.41	82	803560	91.31	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	269195	110.04	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1059632	74.25	ng	0.00
78) Terphenyl-d14	12.95	244	794938	62.55	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.49	94	76342	6.78	ng	86
49) Dimethylphthalate	9.60	163	196812	12.58	ng	# 99
70) Phenanthrene	11.38	178	126205	6.49	ng	99
71) Anthracene	11.43	178	39814	2.06	ng	96
74) Fluoranthene	12.57	202	263465	14.30	ng	99
77) Pyrene	12.79	202	233002m	11.12	ng	
80) Benzo(a)anthracene	13.98	228	148201	9.17	ng	95
82) Chrysene	14.01	228	111416m	6.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	51320	3.51	ng	# 87
87) Benzo(b)fluoranthene	15.02	252	135782m	8.92	ng	
88) Benzo(k)fluoranthene	15.04	252	42346m	3.31	ng	
89) Benzo(a)pyrene	15.36	252	101584	7.43	ng	# 90
91) Benzo(g,h,i)perylene	17.23	276	48850	3.75	ng	# 92

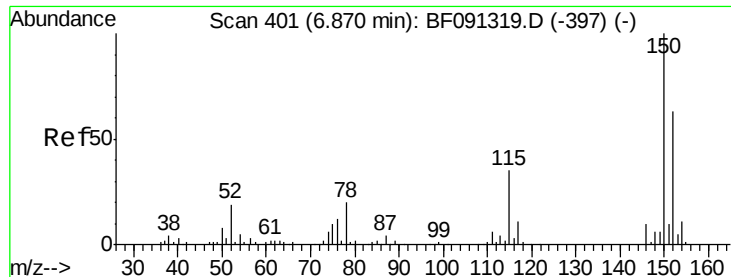
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

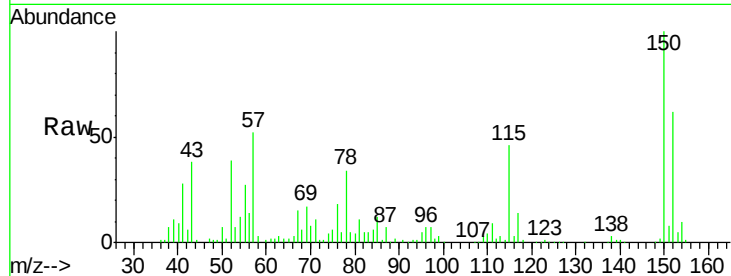
Tgt Ion:152 Resp: 126911

Ion Ratio Lower Upper

152 100

150 162.0 122.5 183.7

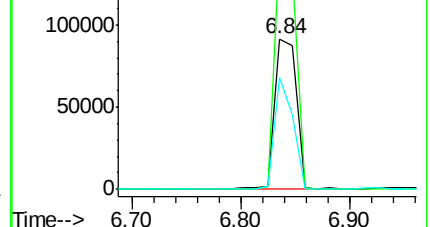
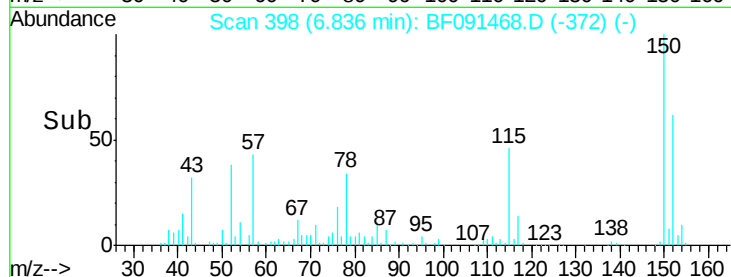
115 74.3 51.8 77.8



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: 133.07 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

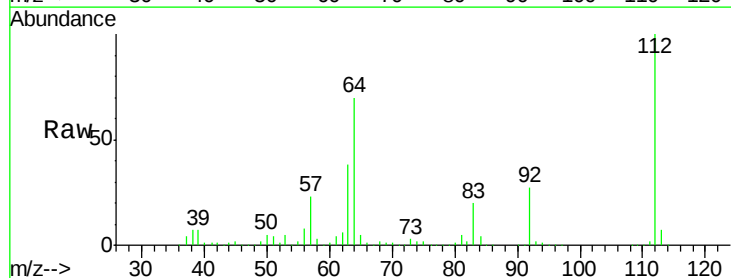
Tgt Ion:112 Resp: 1033763

Ion Ratio Lower Upper

112 100

64 69.5 61.5 92.3

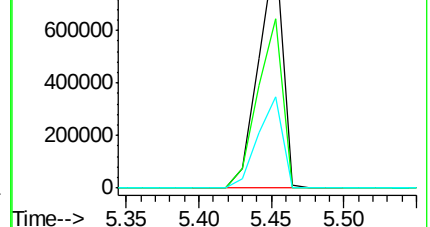
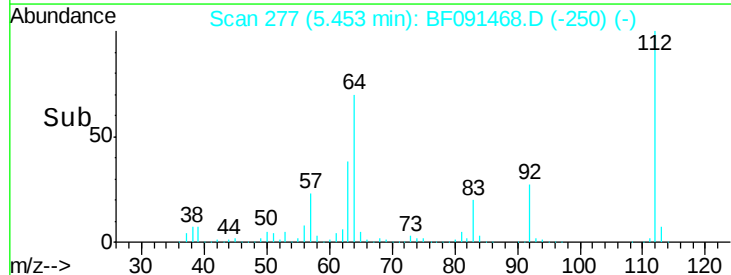
63 37.7 33.3 49.9

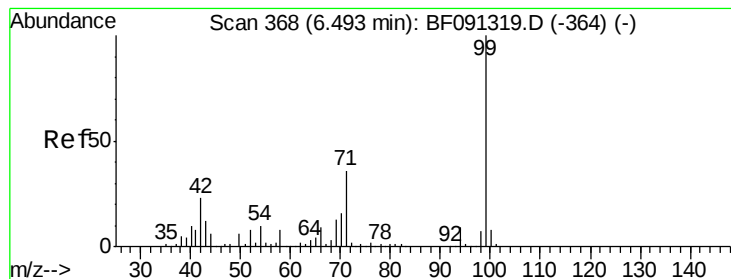


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.42 ng

RT: 6.48 min Scan# 367

Delta R.T. 0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

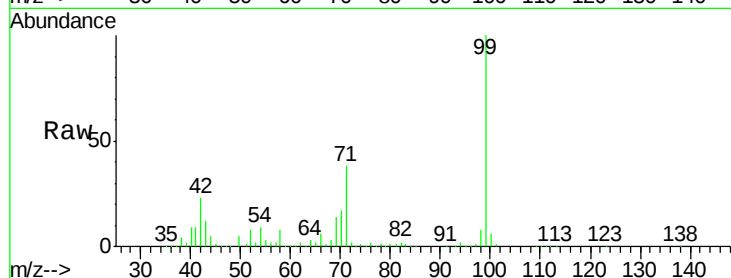
Tgt Ion: 99 Resp: 1295010

Ion Ratio Lower Upper

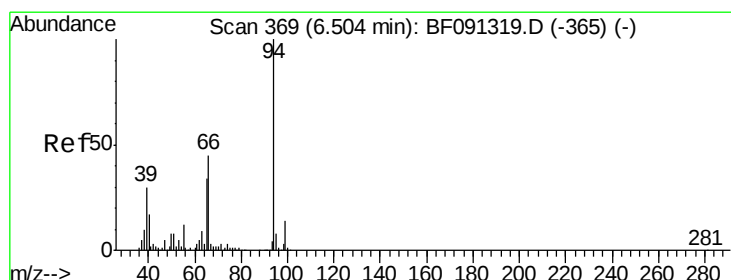
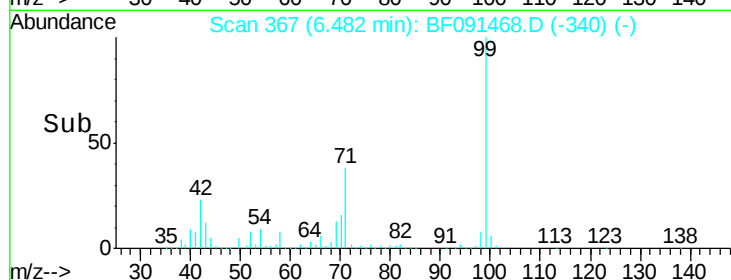
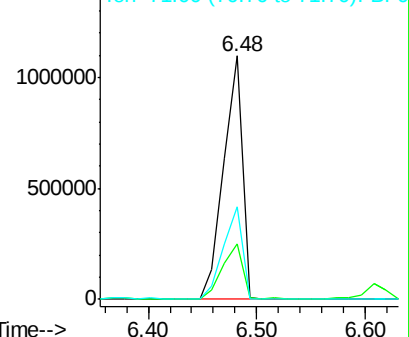
99 100

42 22.9 20.6 31.0

71 37.8 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



#10

Phenol

Concen: 6.78 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

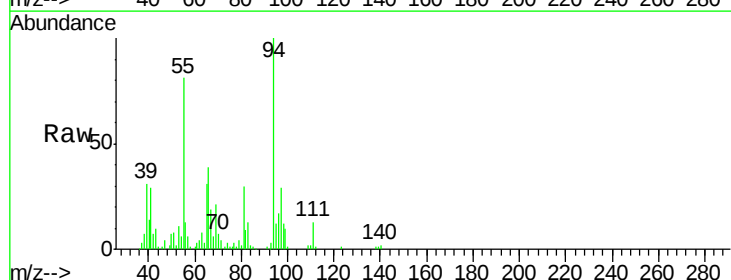
Tgt Ion: 94 Resp: 76342

Ion Ratio Lower Upper

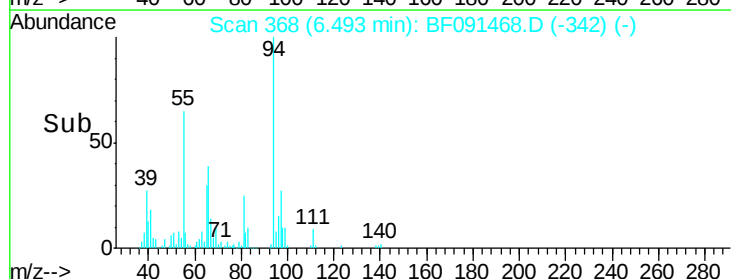
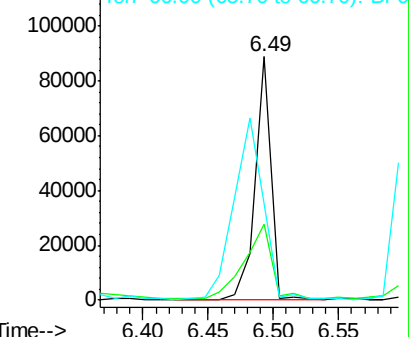
94 100

65 31.0 16.9 56.9

66 39.4 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

Tgt Ion: 136 Resp: 493191

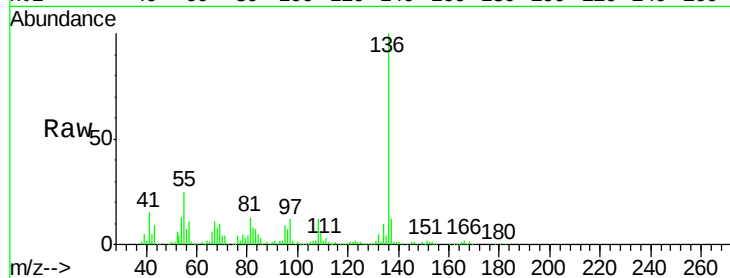
Ion Ratio Lower Upper

136 100

137 12.2 9.1 13.7

54 13.3 9.1 13.7

68 7.8 5.9 8.9

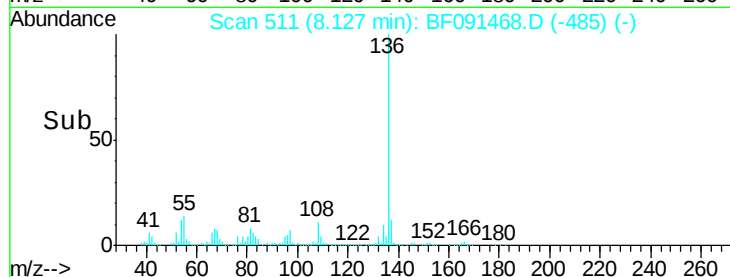


Abundance Ion 136.00 (135.70 to 136.70): E

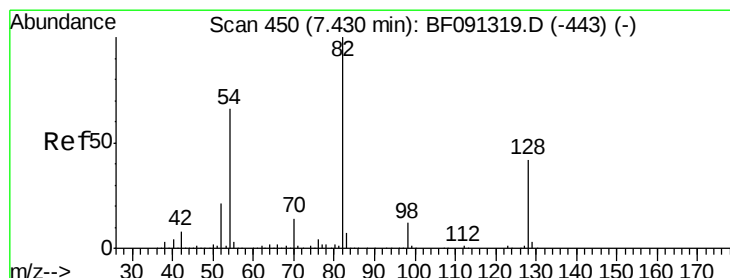
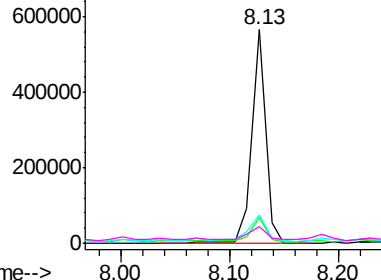
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 91.31 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

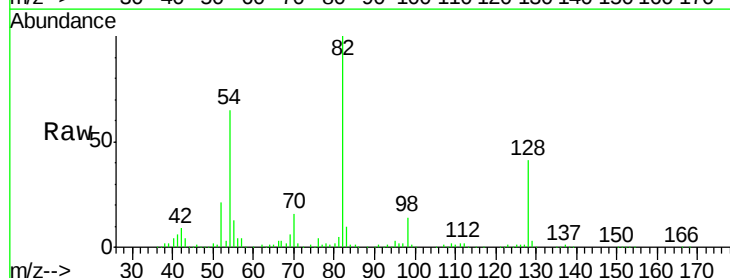
Tgt Ion: 82 Resp: 803560

Ion Ratio Lower Upper

82 100

128 41.1 31.8 47.6

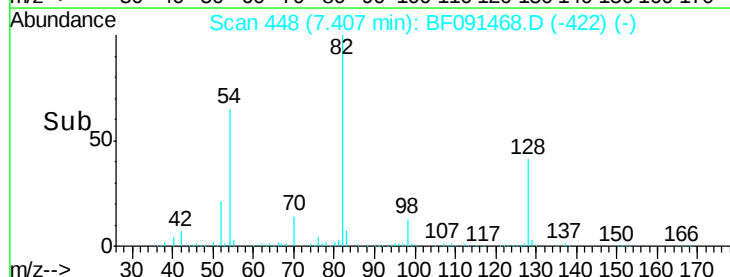
54 65.4 49.1 73.7



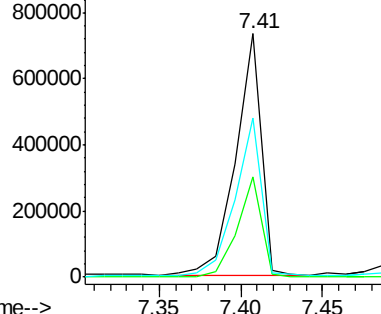
Abundance Ion 82.00 (81.70 to 82.70): BF0

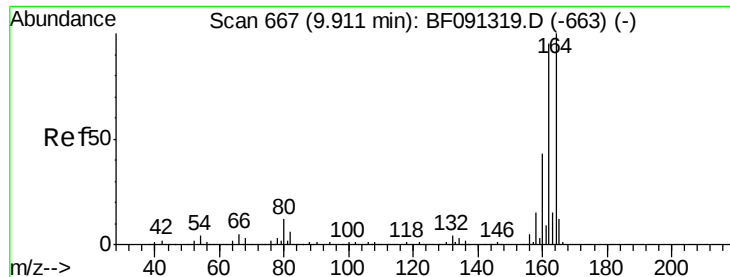
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

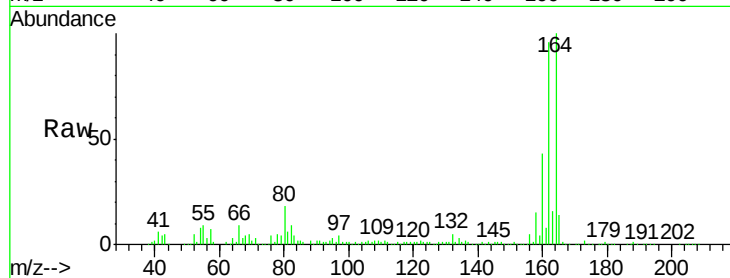
Tgt Ion:164 Resp: 258407

Ion Ratio Lower Upper

164 100

162 96.4 82.6 124.0

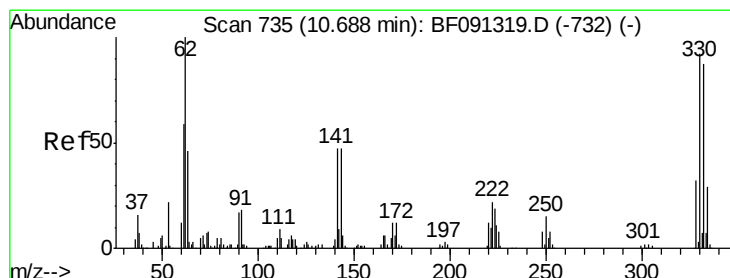
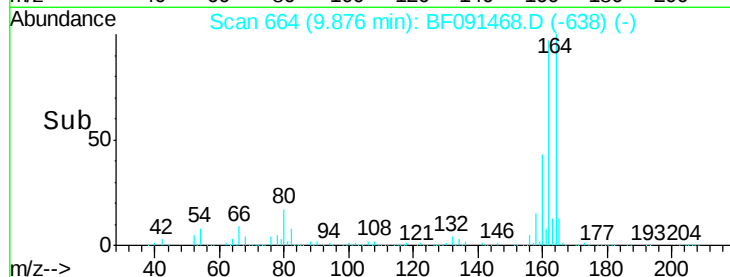
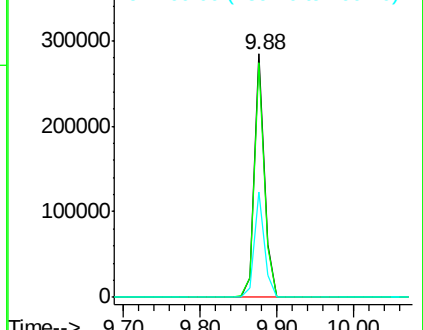
160 43.5 36.7 55.1



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: 110.04 ng

RT: 10.66 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

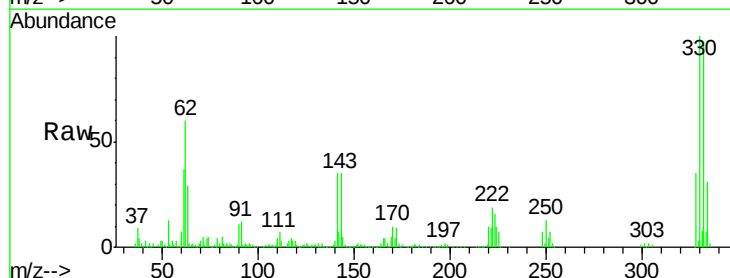
Tgt Ion:330 Resp: 269195

Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

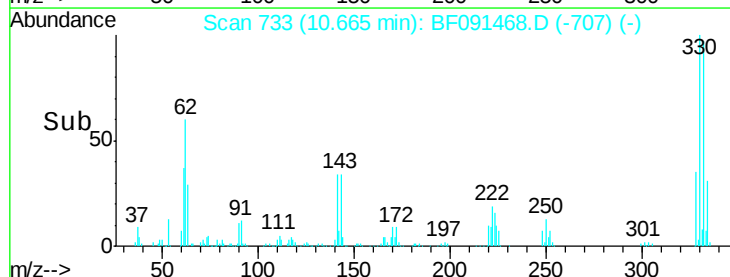
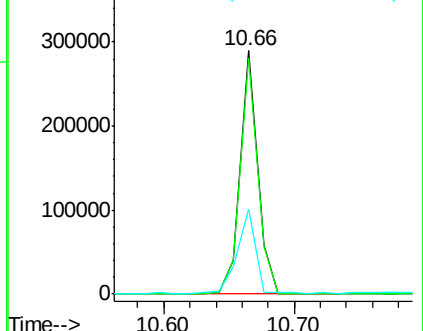
141 34.8 33.6 50.4

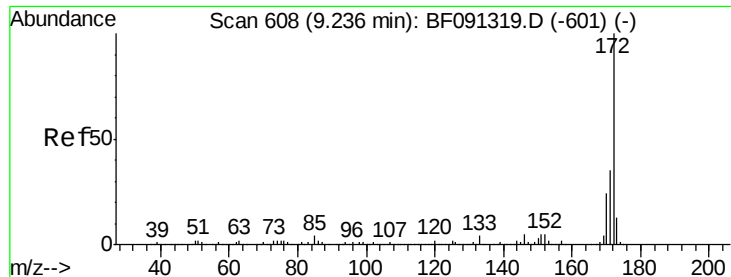


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

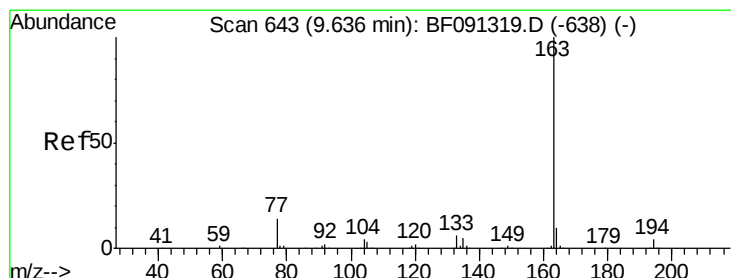
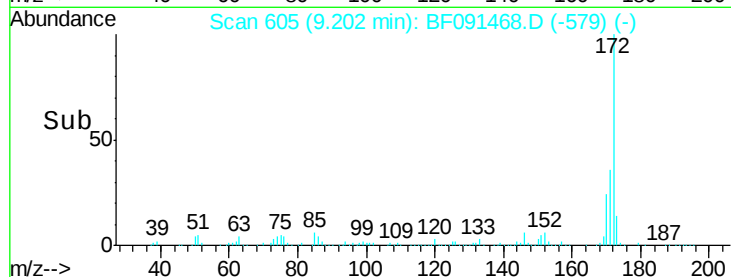
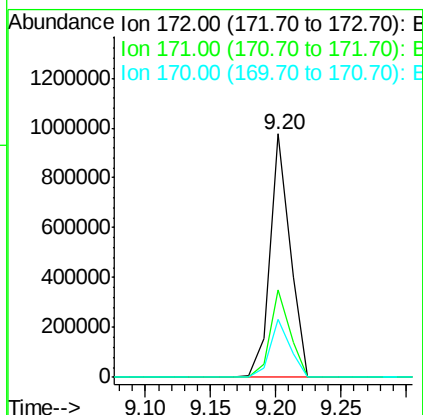
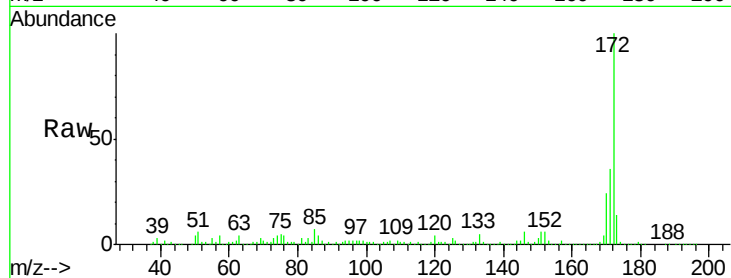




#44
2-Fluorobiphenyl
Concen: 74.25 ng
RT: 9.20 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF091468.D
Acq: 6 Dec 2016 19:41

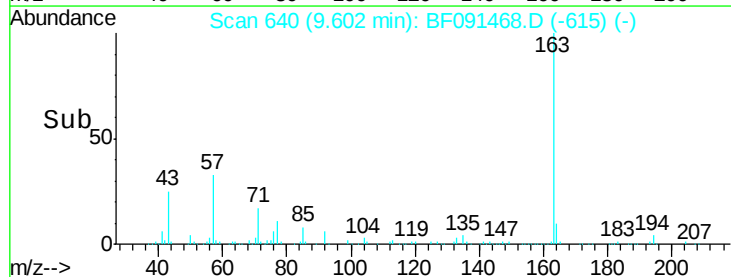
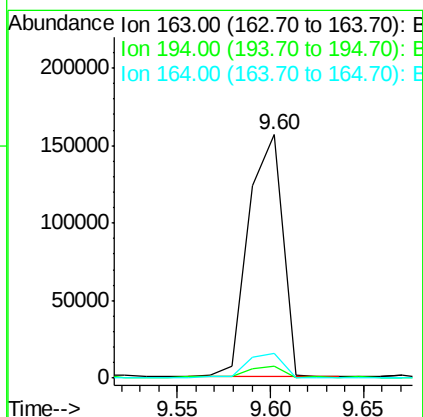
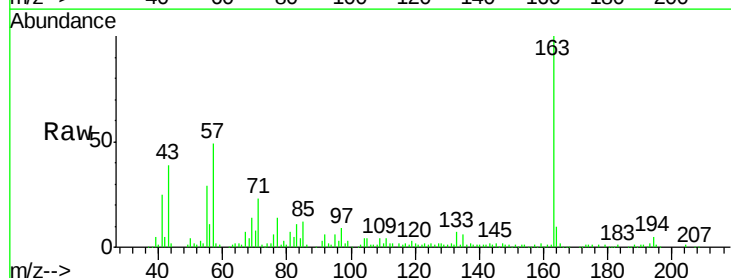
Instrument :
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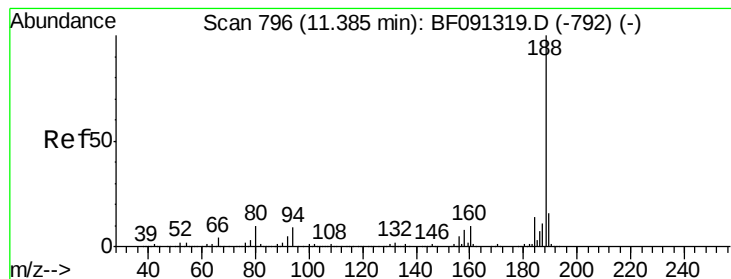
Tgt Ion:172 Resp: 1059632
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.8 19.7 29.5



#49
Dimethylphthalate
Concen: 12.58 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF091468.D
Acq: 6 Dec 2016 19:41

Tgt Ion:163 Resp: 196812
Ion Ratio Lower Upper
163 100
194 4.9 3.0 4.4#
164 10.1 7.8 11.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

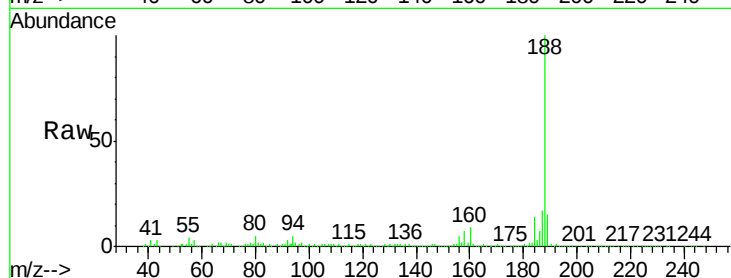
Tgt Ion:188 Resp: 374359

Ion Ratio Lower Upper

188 100

94 5.0 9.2 13.8#

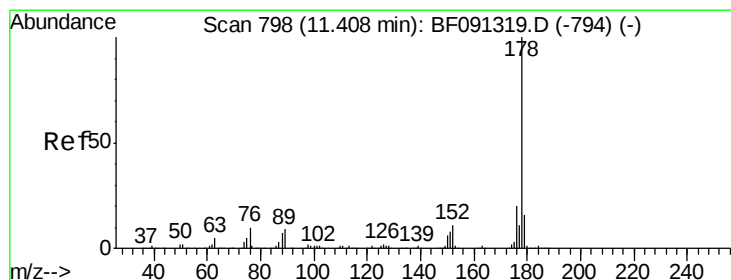
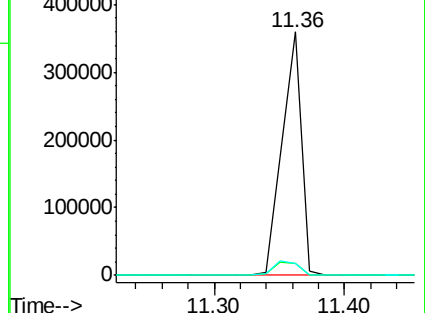
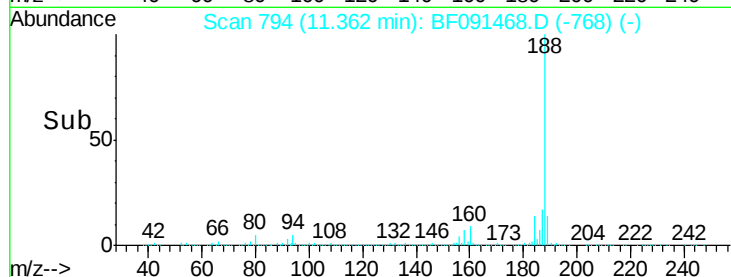
80 4.9 10.5 15.7#



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: 6.49 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

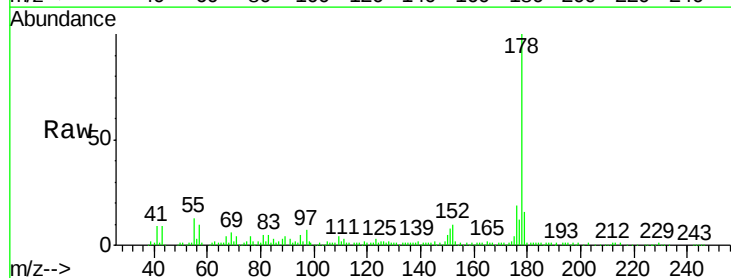
Tgt Ion:178 Resp: 126205

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

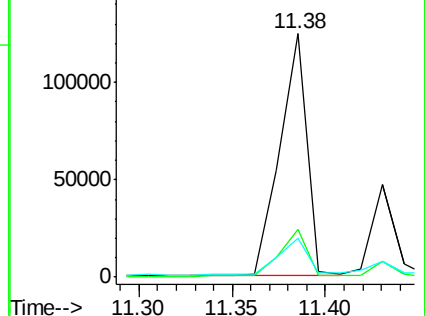
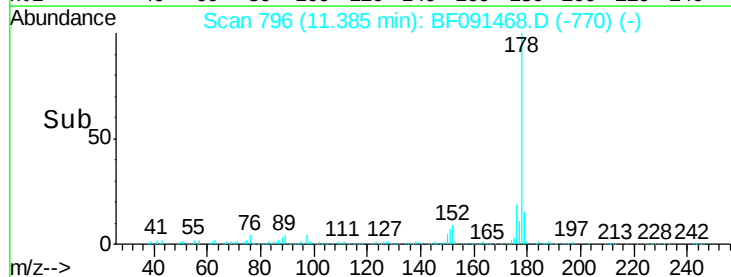
179 16.1 12.6 18.8

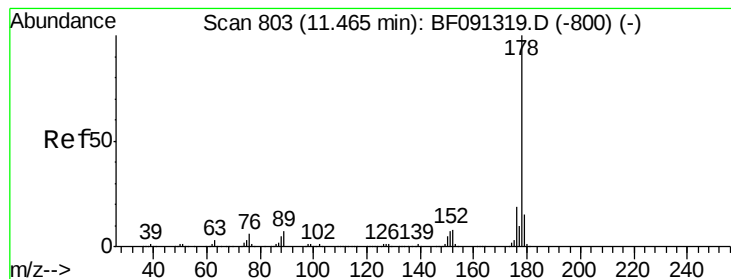


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.06 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

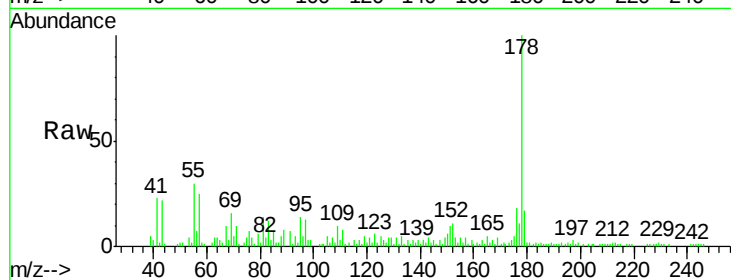
Tgt Ion:178 Resp: 39814

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.6

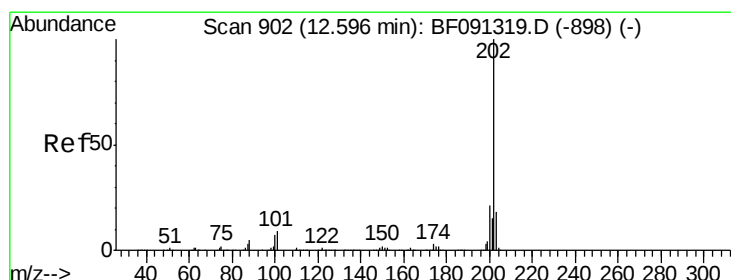
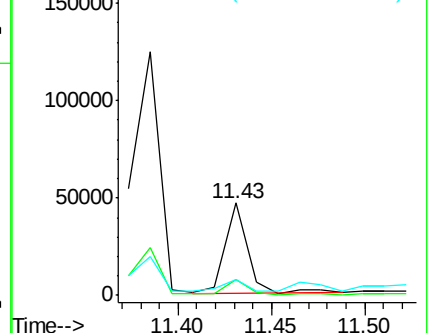
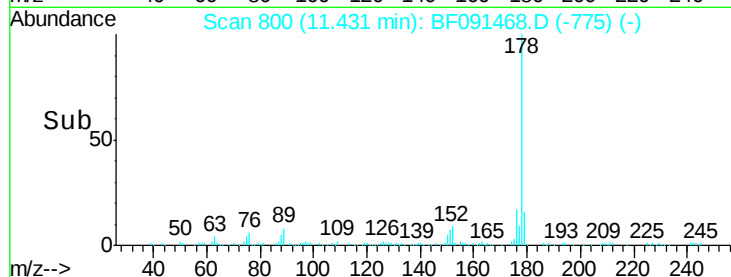
179 17.5 12.7 19.1



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: 14.30 ng

RT: 12.57 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

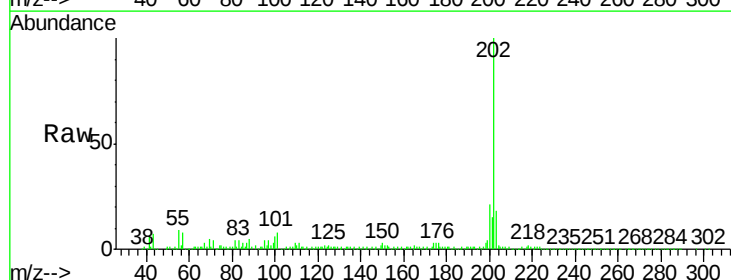
Tgt Ion:202 Resp: 263465

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.5

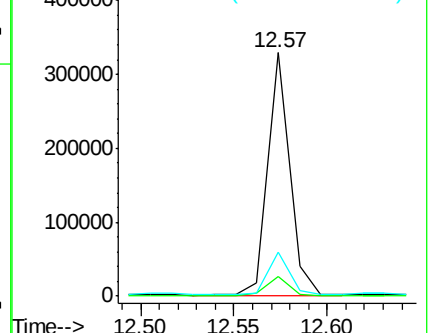
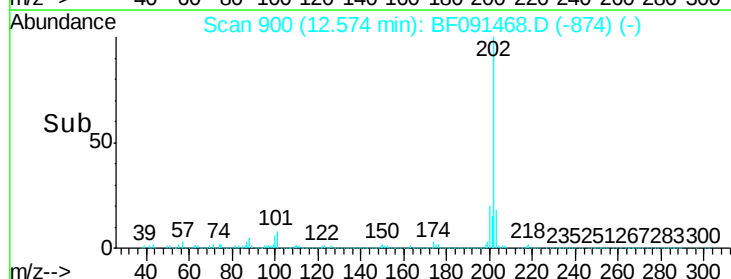
203 17.9 0.0 37.8

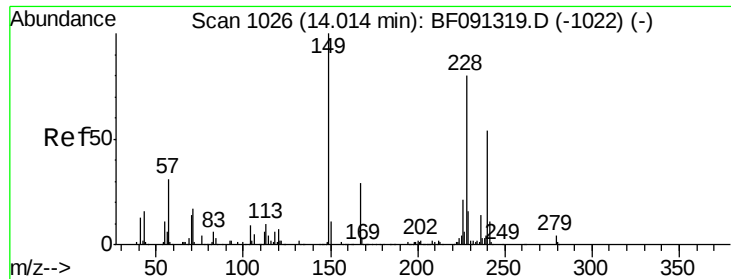


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

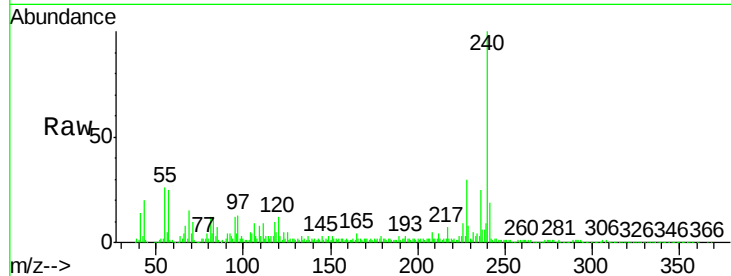
Tgt Ion:240 Resp: 276213

Ion Ratio Lower Upper

240 100

120 11.8 12.1 18.1#

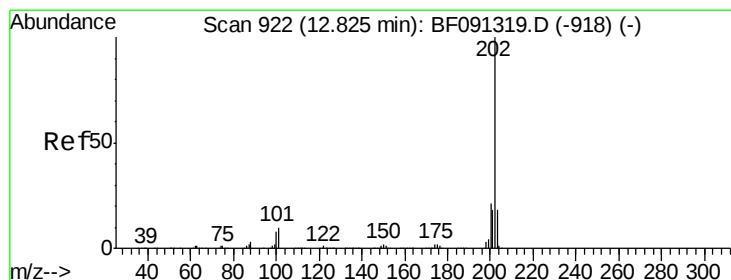
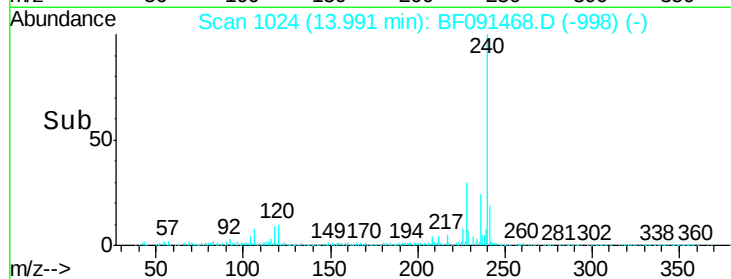
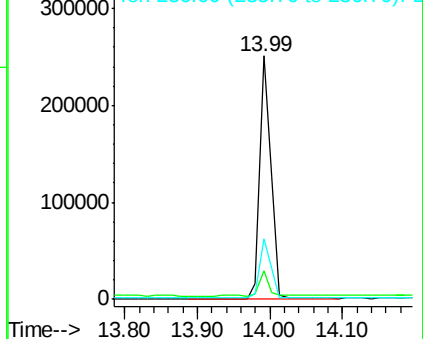
236 24.8 21.0 31.6



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: 11.12 ng m

RT: 12.79 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

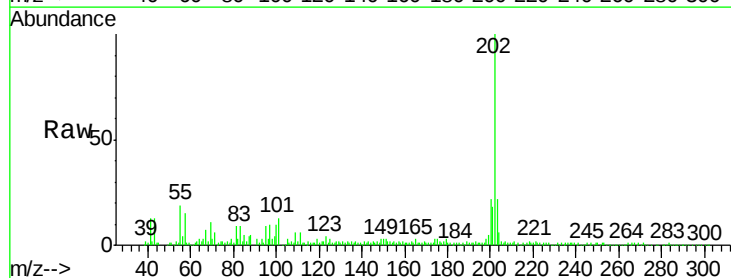
Tgt Ion:202 Resp: 233002

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

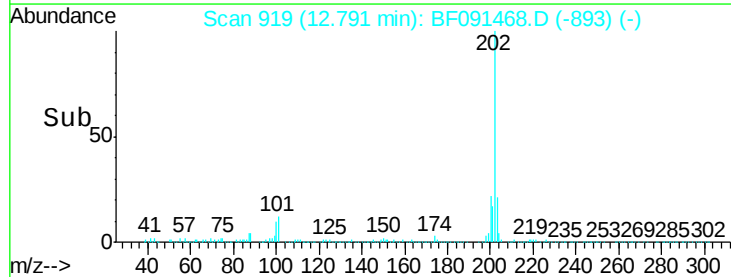
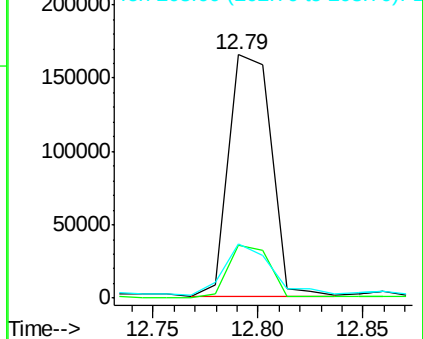
203 22.1 14.0 21.0#

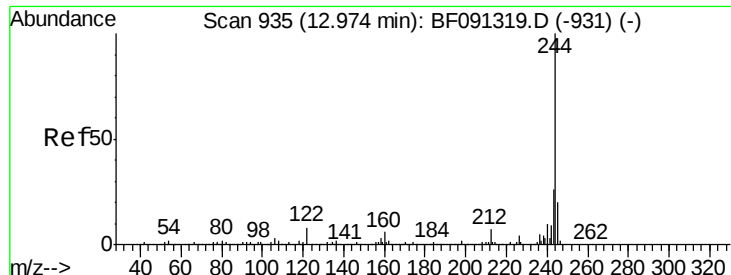


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

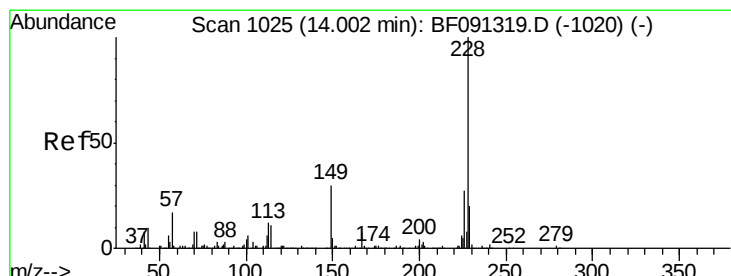
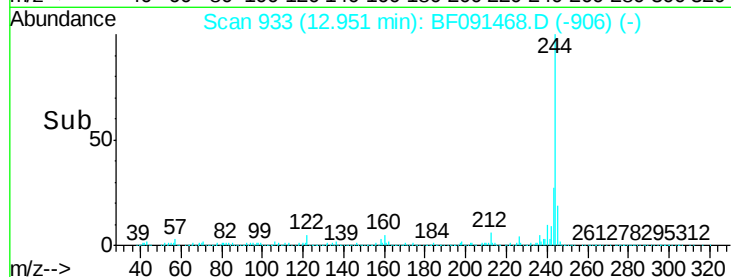
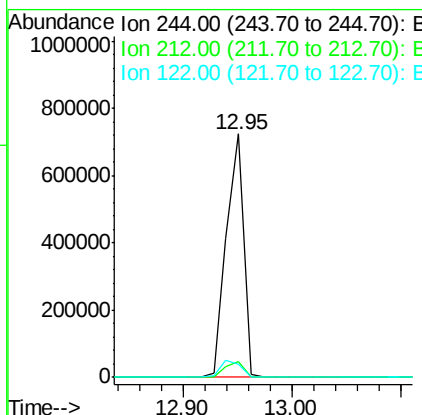
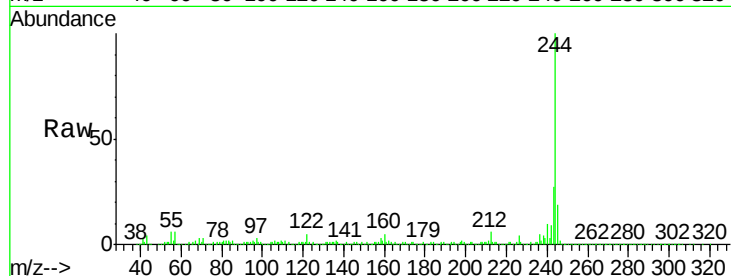




#78
 Terphenyl-d14
 Concen: 62.55 ng
 RT: 12.95 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: BF091468.D
 Acq: 6 Dec 2016 19:41

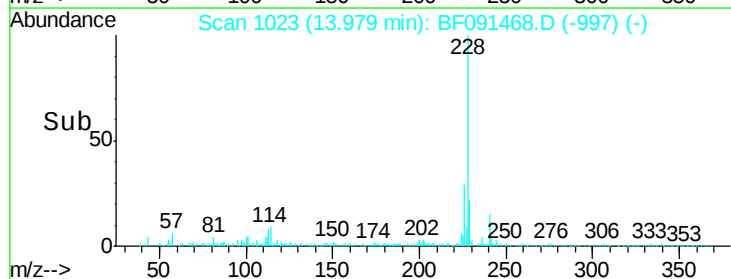
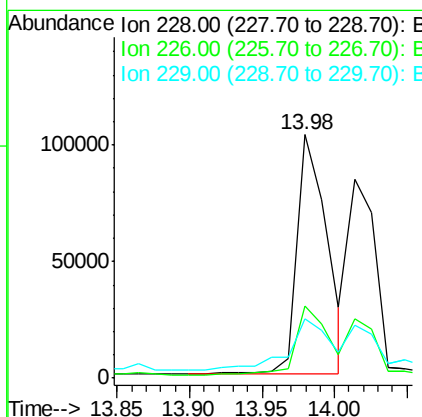
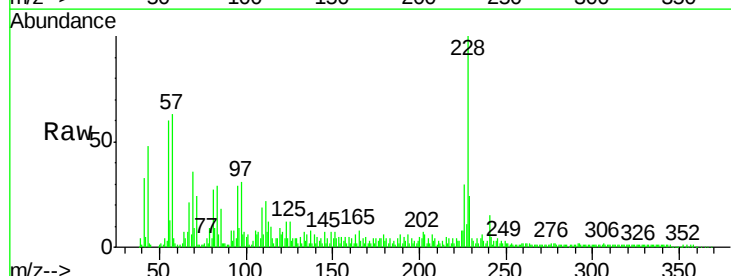
Instrument :
 BNA_F
 ClientSampleId :
 TP16-COMP3

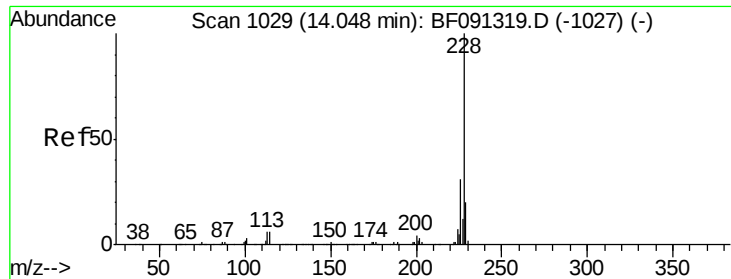
Tgt Ion:244 Resp: 794938
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.5 9.7#
 122 5.2 9.5 14.3#



#80
 Benzo(a)anthracene
 Concen: 9.17 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF091468.D
 Acq: 6 Dec 2016 19:41

Tgt Ion:228 Resp: 148201
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.5 33.7
 229 24.4 16.4 24.6





#82

Chrysene

Concen: 6.97 ng m

RT: 14.01 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

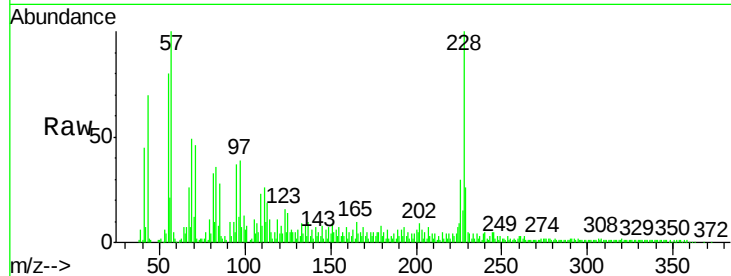
Tgt Ion:228 Resp: 111416

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.4

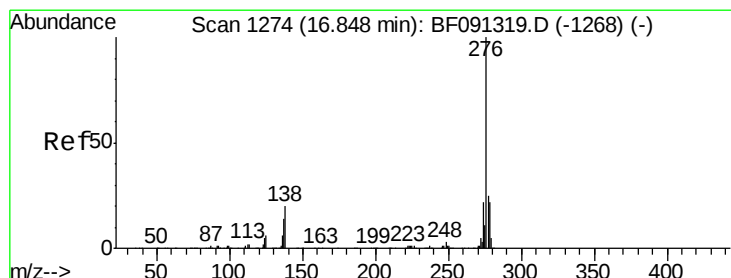
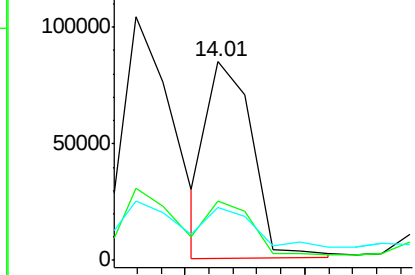
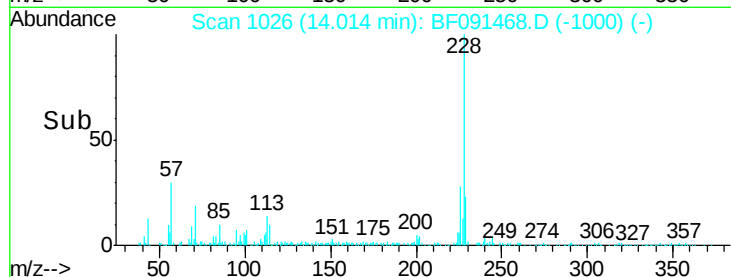
229 26.5 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.51 ng

RT: 16.81 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

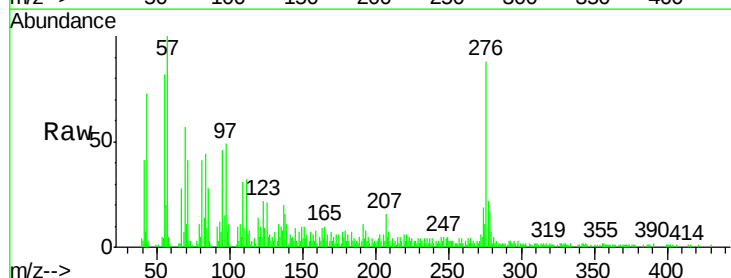
Tgt Ion:276 Resp: 51320

Ion Ratio Lower Upper

276 100

138 15.3 21.0 31.4#

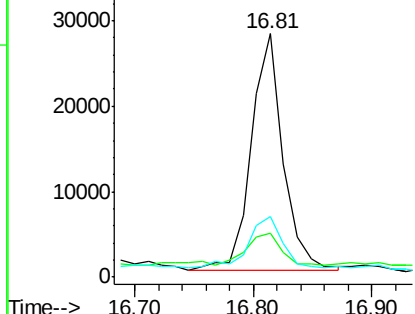
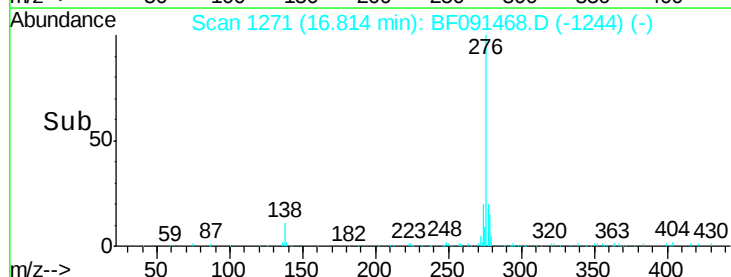
277 23.3 20.2 30.2

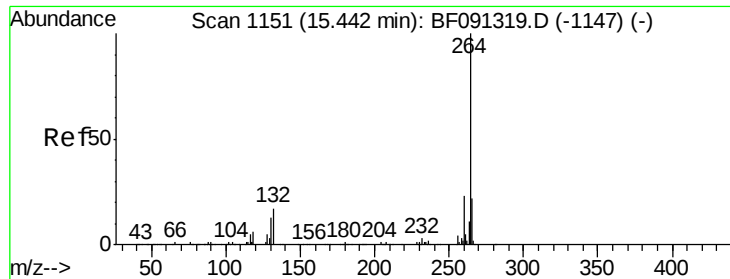


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



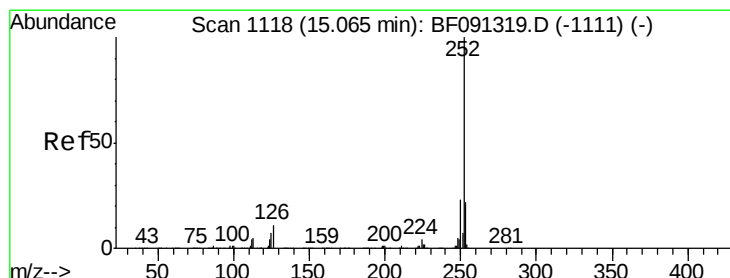
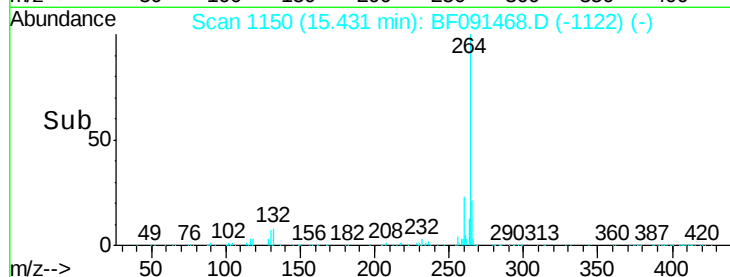
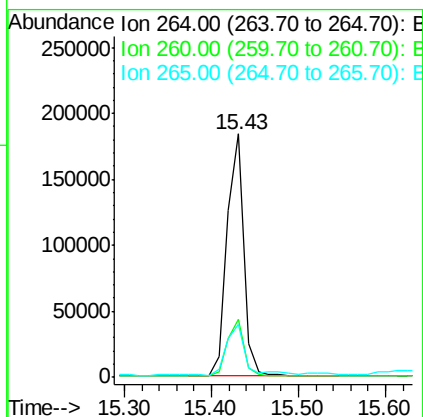
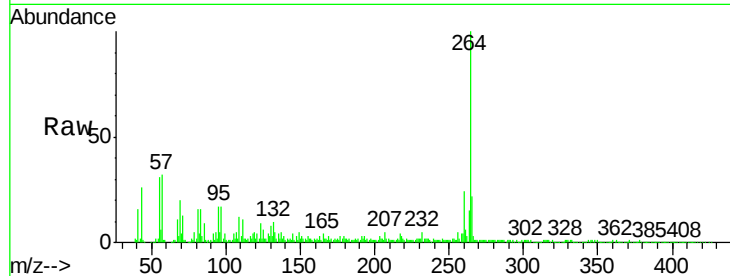


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF091468.D
Acq: 6 Dec 2016 19:41

Instrument :
BNA_F
ClientSampleId :
TP16-COMP3

Tgt Ion: 264 Resp: 244929

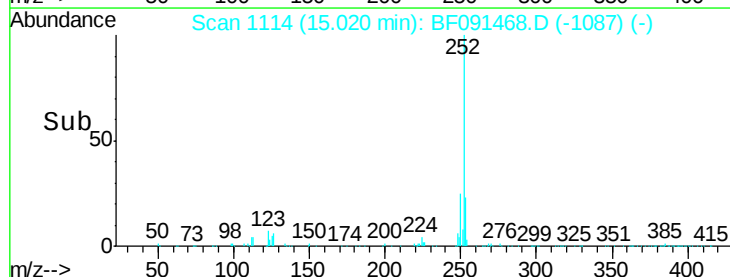
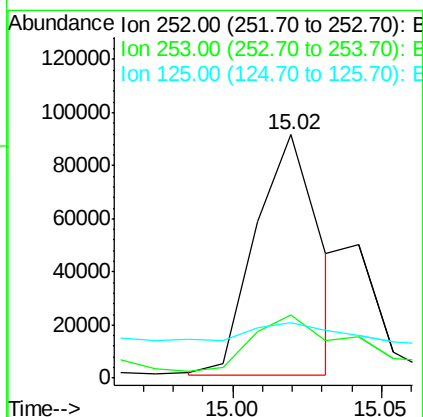
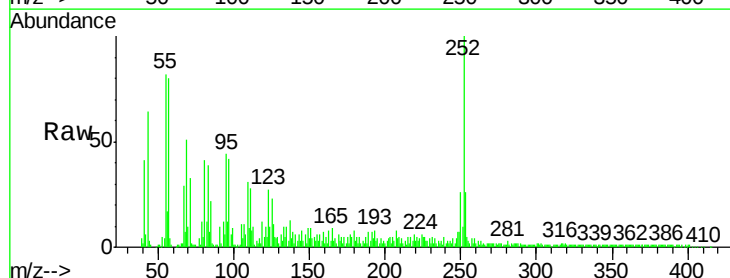
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.6

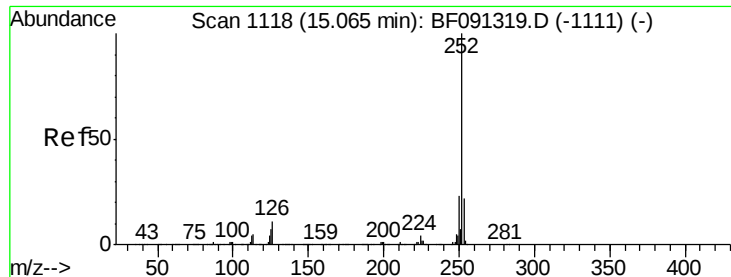


#87
Benzo(b)fluoranthene
Concen: 8.92 ng m
RT: 15.02 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF091468.D
Acq: 6 Dec 2016 19:41

Tgt Ion: 252 Resp: 135782

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	22.8	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 3.31 ng m

RT: 15.04 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

Instrument :

BNA_F

ClientSampleId :

TP16-COMP3

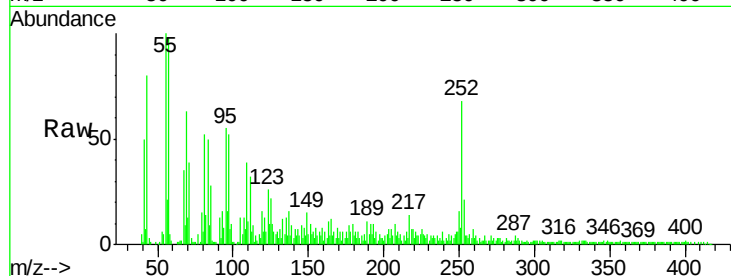
Tgt Ion:252 Resp: 42346

Ion Ratio Lower Upper

252 100

253 30.9 17.8 26.8#

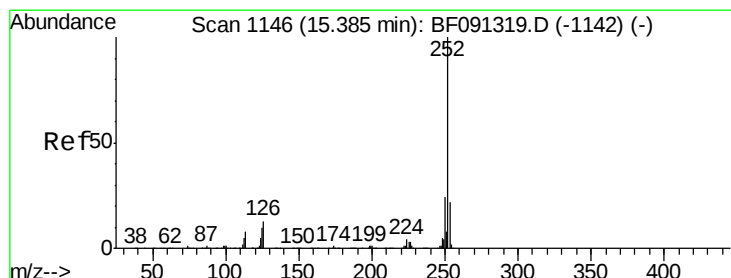
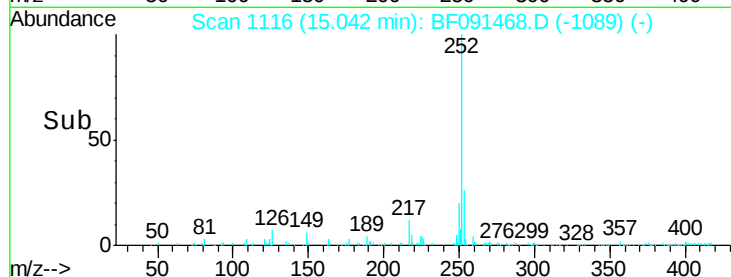
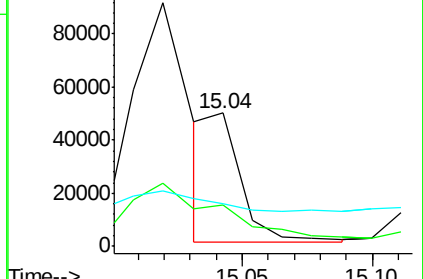
125 31.9 9.6 14.4#



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: 7.43 ng

RT: 15.36 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BF091468.D

Acq: 6 Dec 2016 19:41

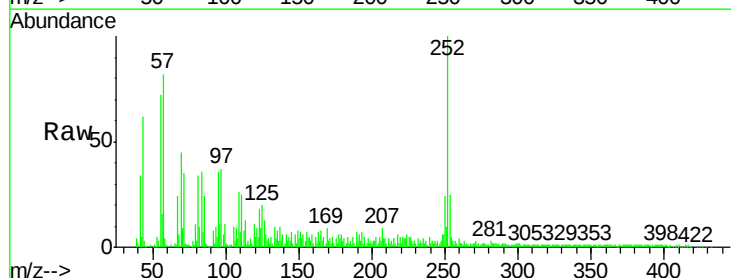
Tgt Ion:252 Resp: 101584

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.4

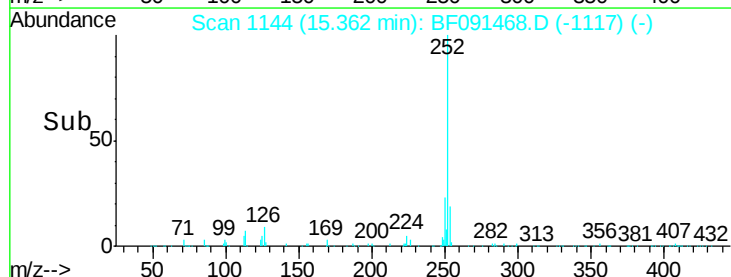
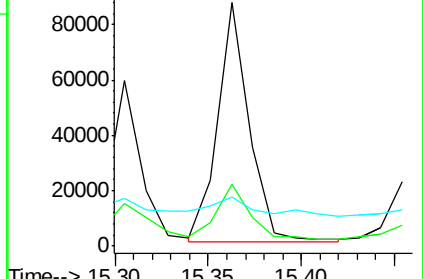
125 20.3 10.4 15.6#

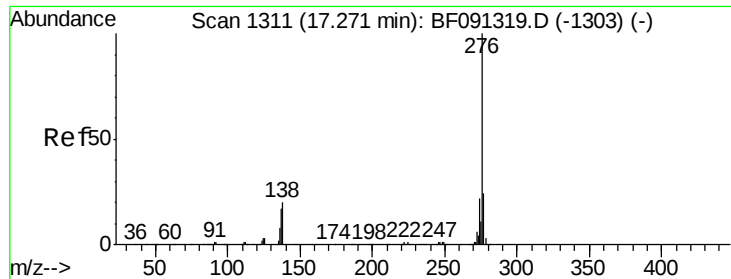


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

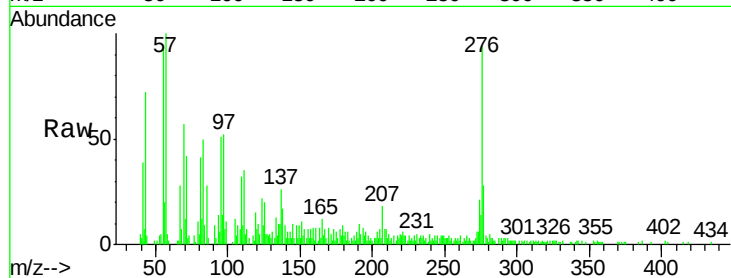




#91
 Benzo(g,h,i)perylene
 Concen: 3.75 ng
 RT: 17.23 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF091468.D
 Acq: 6 Dec 2016 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP16-COMP3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	19.0	28.4#
138	18.3	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

