

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091465.D
 Acq On : 6 Dec 2016 18:16
 Operator : UM/SJ
 Sample : H5836-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Quant Time: Dec 07 00:51:30 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

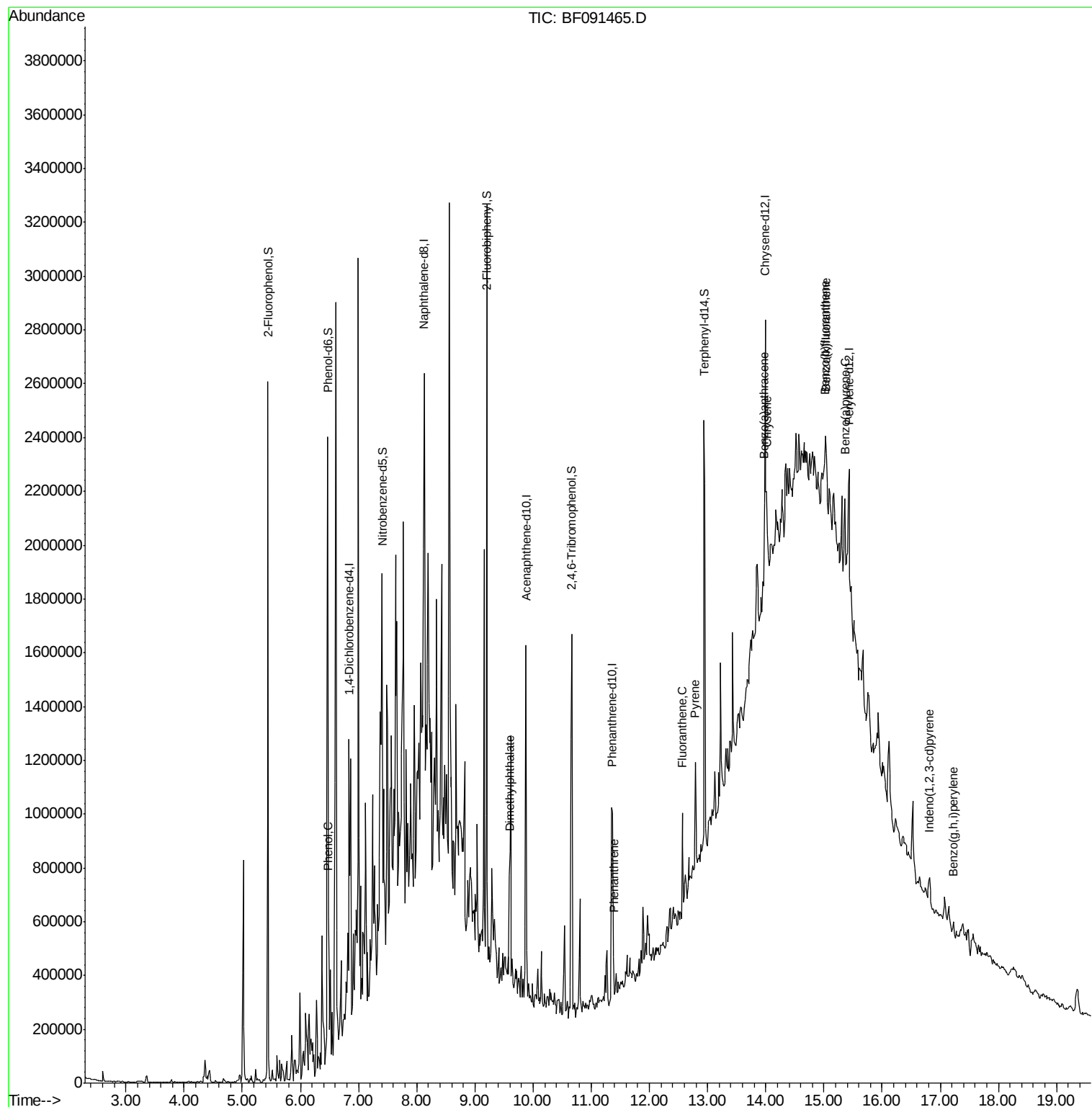
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	123187	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	493934	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	272141	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	418636	20.00	ng	0.00
75) Chrysene-d12	13.99	240	338332	20.00	ng	0.00
86) Perylene-d12	15.43	264	302795	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	628822	83.39	ng	0.00
7) Phenol-d6	6.47	99	724327	78.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	538264	61.07	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	227267	88.21	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	847970	56.42	ng	0.00
78) Terphenyl-d14	12.94	244	692572	44.49	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.48	94	50662	4.64	ng	98
49) Dimethylphthalate	9.59	163	134690	8.17	ng	# 96
70) Phenanthrene	11.38	178	82637	3.80	ng	96
74) Fluoranthene	12.56	202	167386	8.12	ng	98
77) Pyrene	12.79	202	215554	8.40	ng	96
80) Benzo(a)anthracene	13.98	228	163925	8.28	ng	96
82) Chrysene	14.01	228	113114m	5.78	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	47956	2.67	ng	# 84
87) Benzo(b)fluoranthene	15.02	252	152549m	8.11	ng	
88) Benzo(k)fluoranthene	15.03	252	46199m	2.92	ng	
89) Benzo(a)pyrene	15.36	252	125383	7.42	ng	# 87
91) Benzo(g,h,i)perylene	17.23	276	50988	3.16	ng	95

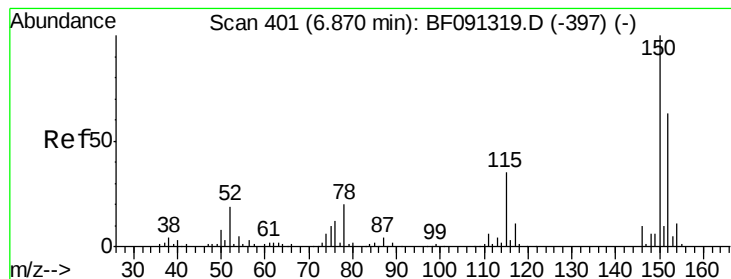
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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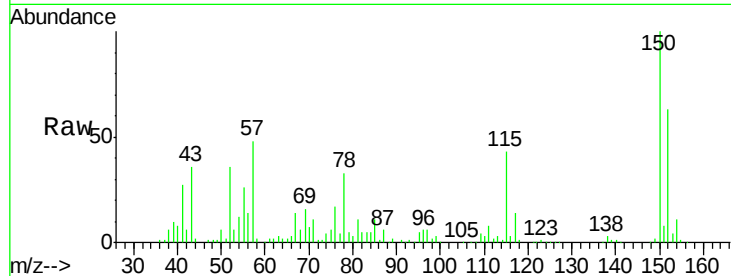




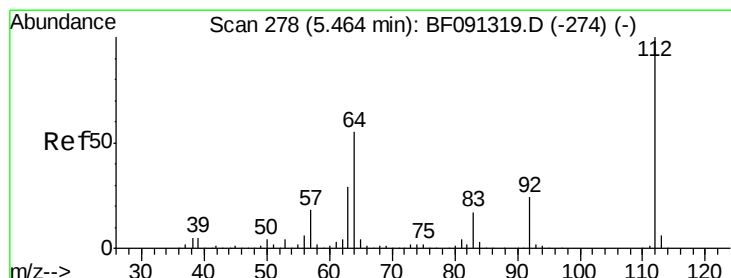
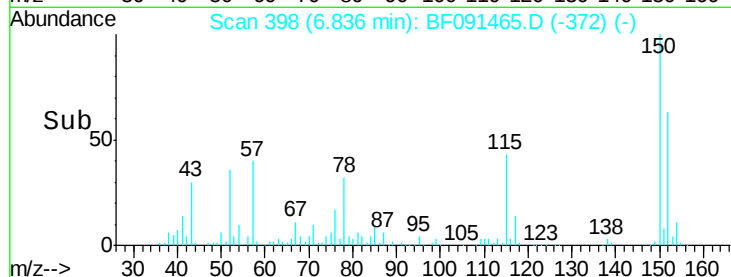
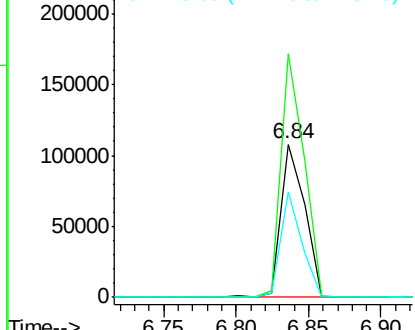
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: BF091465.D
 Acq: 6 Dec 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Tgt Ion:152 Resp: 123187
 Ion Ratio Lower Upper
 152 100
 150 158.8 122.5 183.7
 115 68.8 51.8 77.8

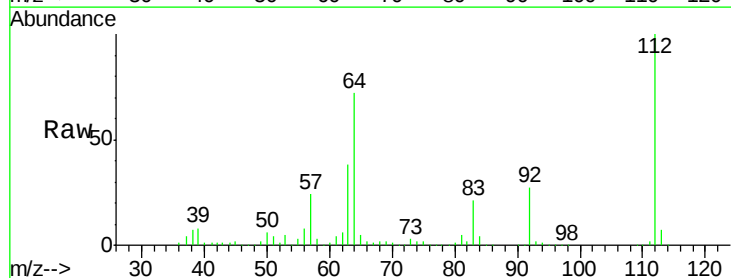


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

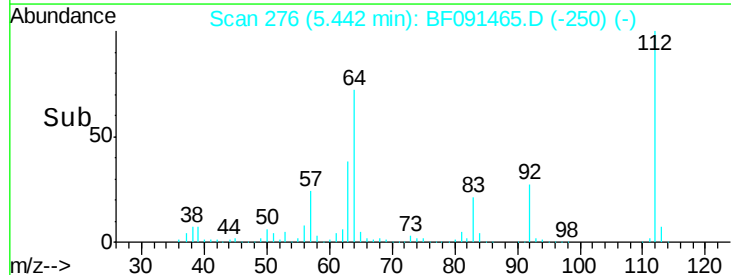
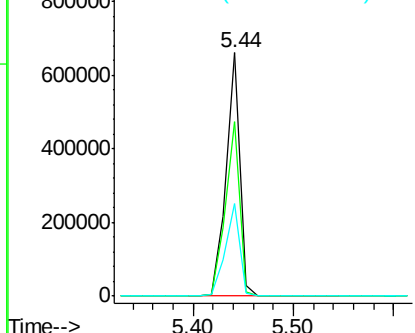


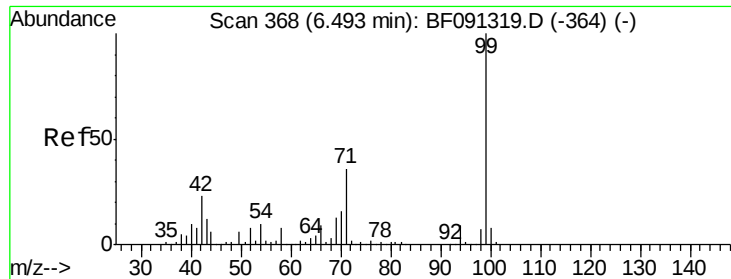
#5
 2-Fluorophenol
 Concen: 83.39 ng
 RT: 5.44 min Scan# 276
 Delta R.T. 0.00 min
 Lab File: BF091465.D
 Acq: 6 Dec 2016 18:16

Tgt Ion:112 Resp: 628822
 Ion Ratio Lower Upper
 112 100
 64 71.7 61.5 92.3
 63 37.9 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: 78.03 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

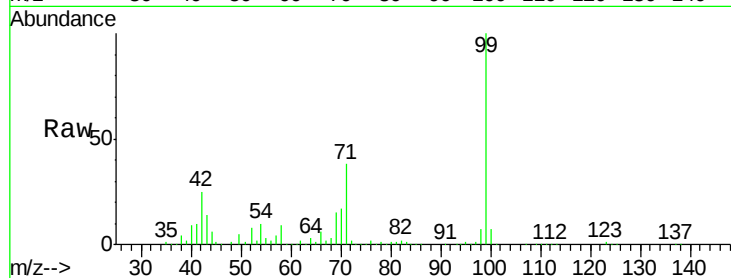
Tgt Ion: 99 Resp: 724327

Ion Ratio Lower Upper

99 100

42 24.5 20.6 31.0

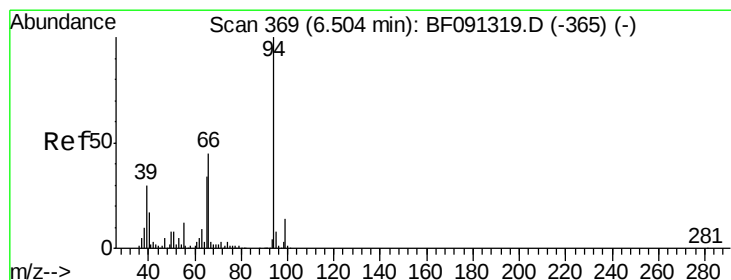
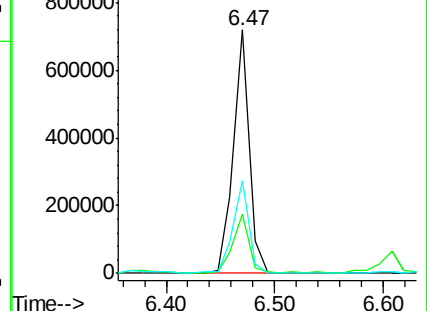
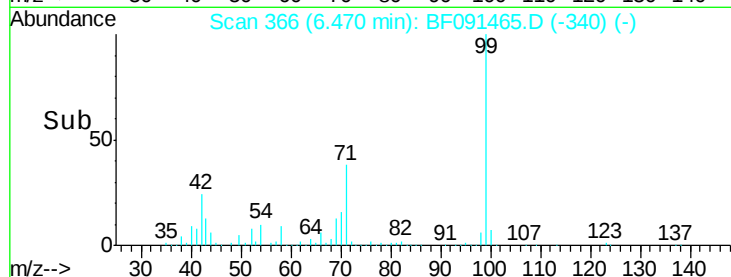
71 38.3 29.9 44.9



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



#10

Phenol

Concen: 4.64 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

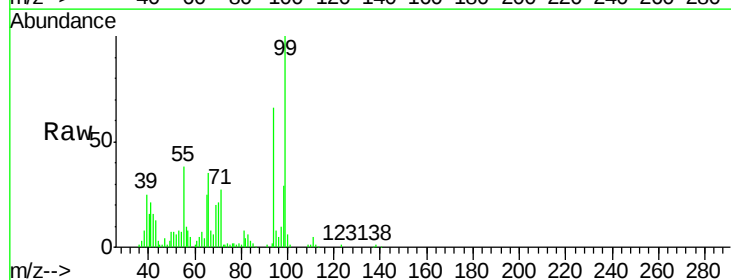
Tgt Ion: 94 Resp: 50662

Ion Ratio Lower Upper

94 100

65 37.2 16.9 56.9

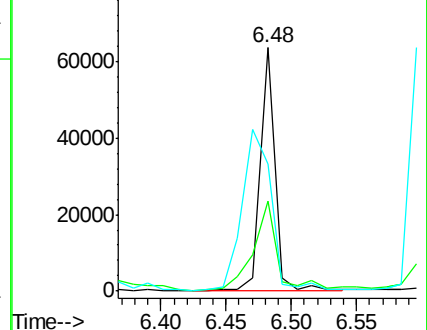
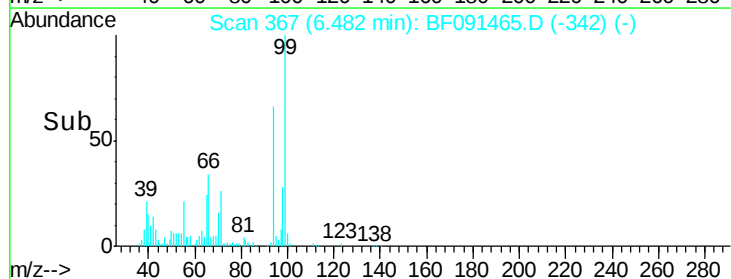
66 52.2 30.6 70.6



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

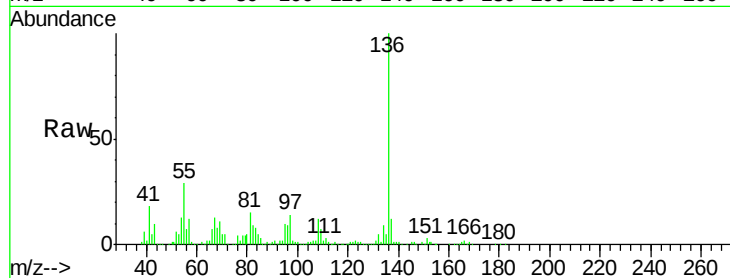




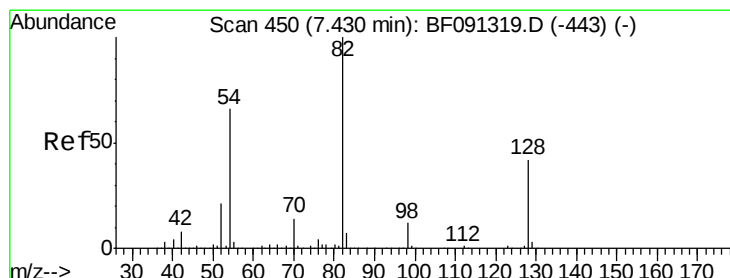
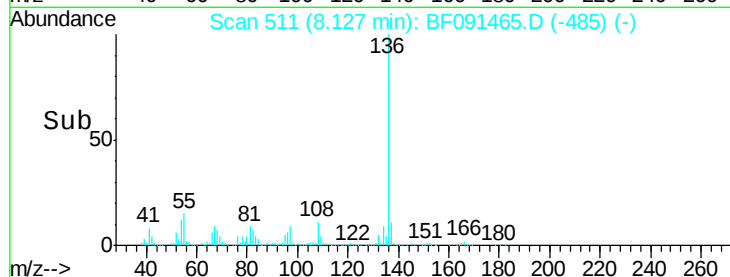
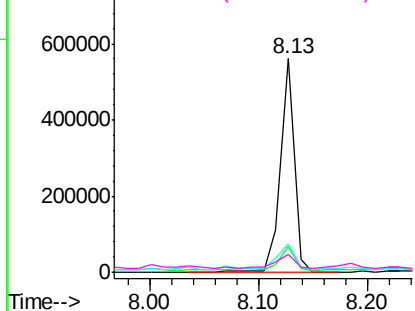
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

Instrument :
BNA_F
ClientSampleId :
TP14-15-COMP2

Tgt Ion:	136	Resp:	493934
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.1	13.7
54	13.0	9.1	13.7
68	8.1	5.9	8.9

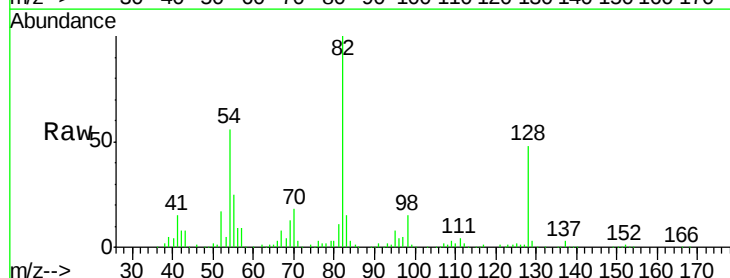


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

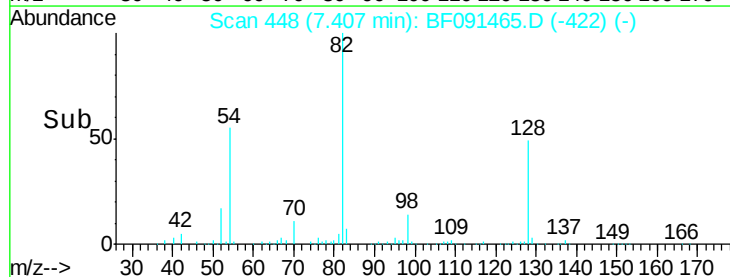
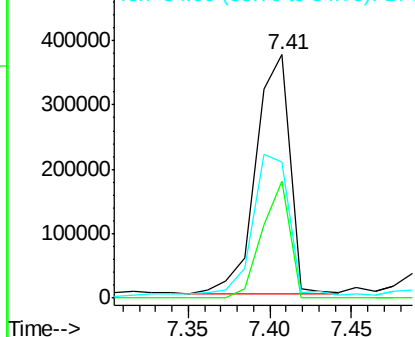


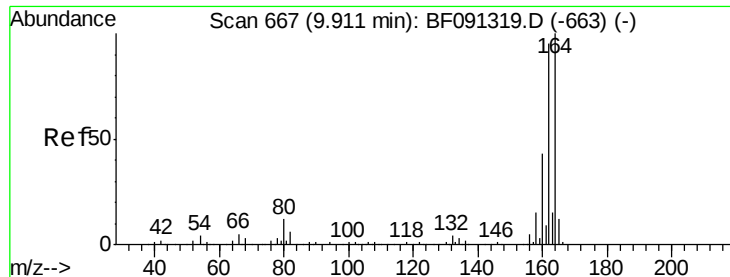
#23
Nitrobenzene-d5
Concen: 61.07 ng
RT: 7.41 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

Tgt Ion:	82	Resp:	538264
Ion	Ratio	Lower	Upper
82	100		
128	47.8	31.8	47.6#
54	55.8	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

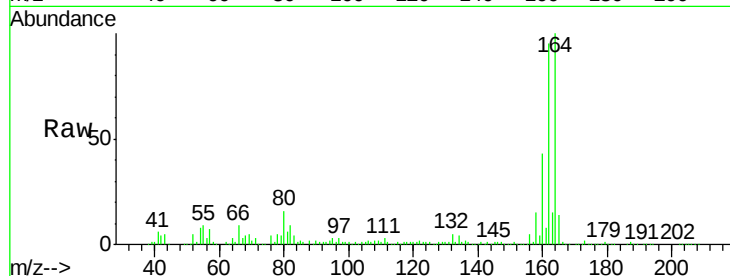
Tgt Ion:164 Resp: 272141

Ion Ratio Lower Upper

164 100

162 95.5 82.6 124.0

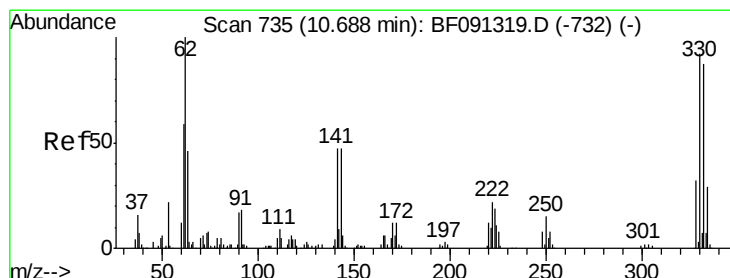
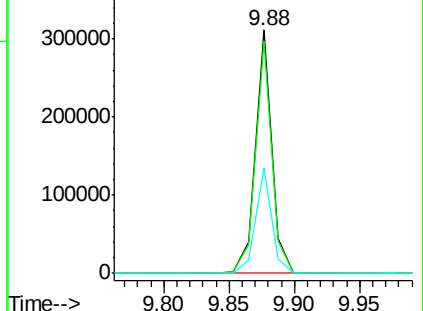
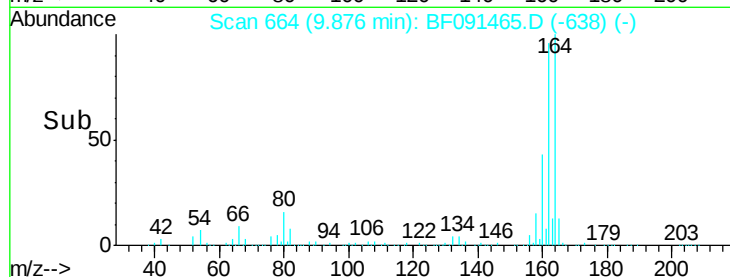
160 43.3 36.7 55.1



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: 88.21 ng

RT: 10.66 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

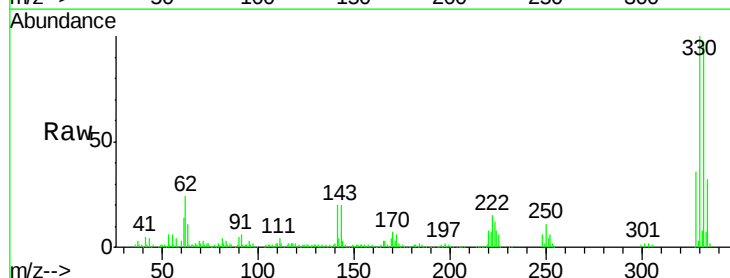
Tgt Ion:330 Resp: 227267

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

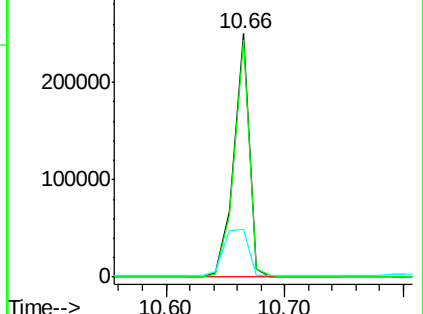
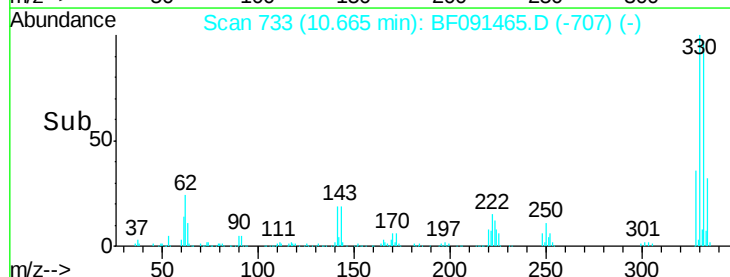
141 31.3 33.6 50.4#

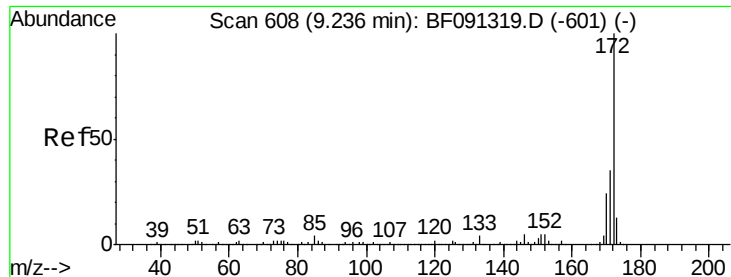


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

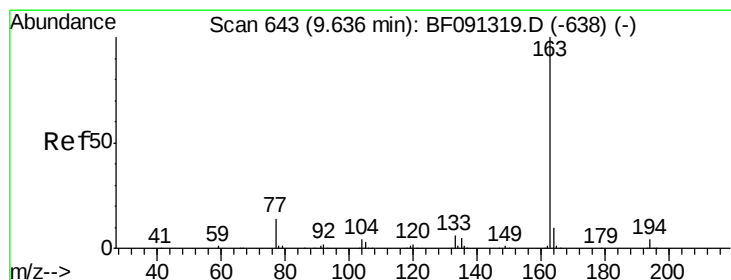
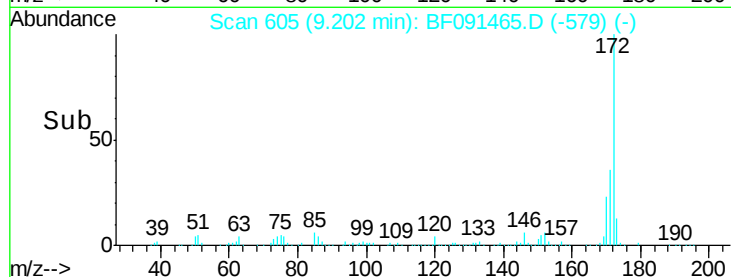
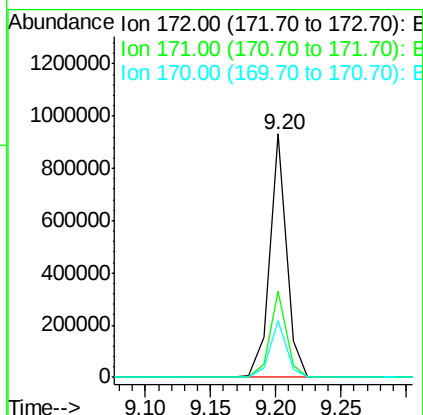
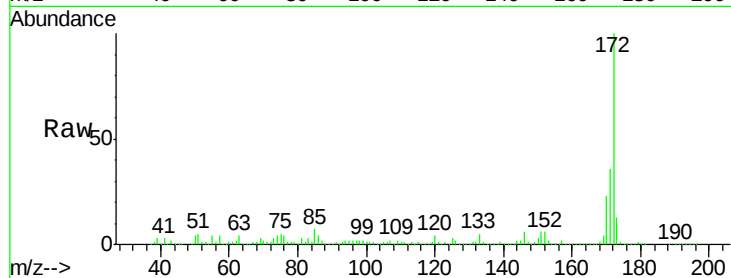




#44
2-Fluorobiphenyl
Concen: 56.42 ng
RT: 9.20 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

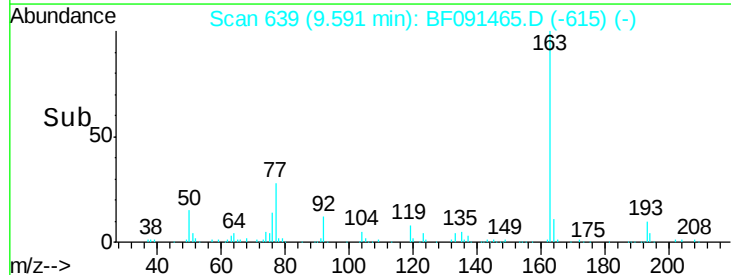
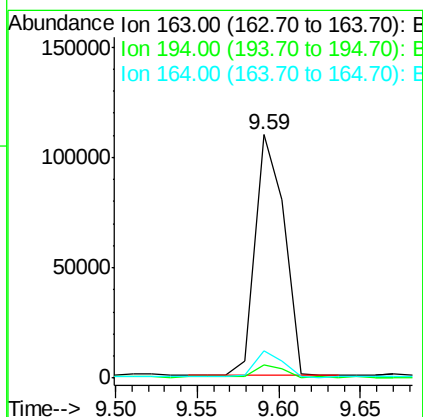
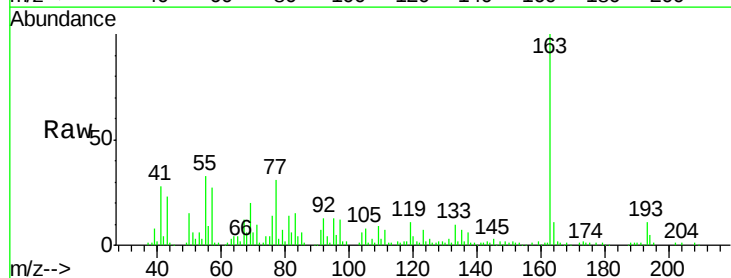
Instrument :
BNA_F
ClientSampleId :
TP14-15-COMP2

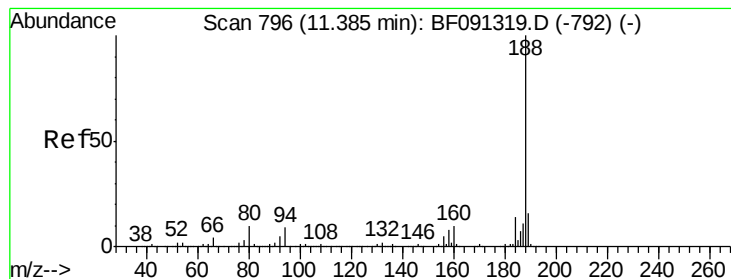
Tgt Ion:172 Resp: 847970
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.4 19.7 29.5



#49
Dimethylphthalate
Concen: 8.17 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

Tgt Ion:163 Resp: 134690
Ion Ratio Lower Upper
163 100
194 5.2 3.0 4.4#
164 11.2 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: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

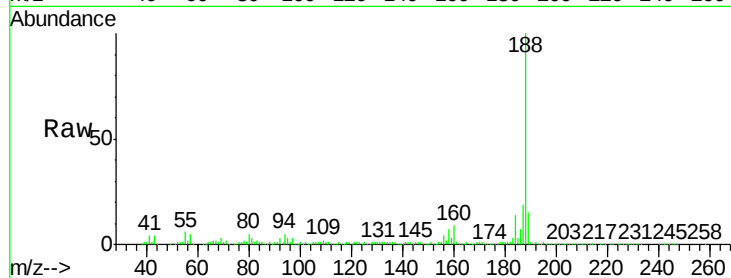
Tgt Ion:188 Resp: 418636

Ion Ratio Lower Upper

188 100

94 4.7 9.2 13.8#

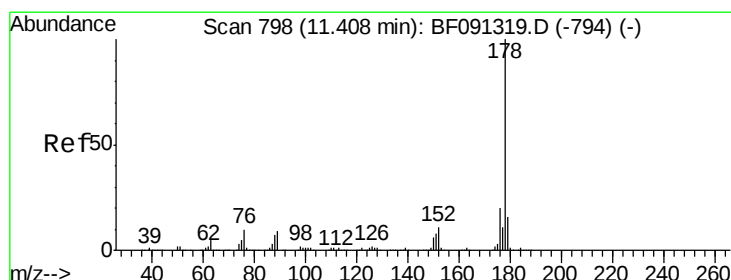
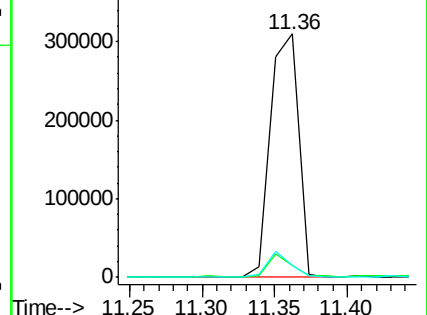
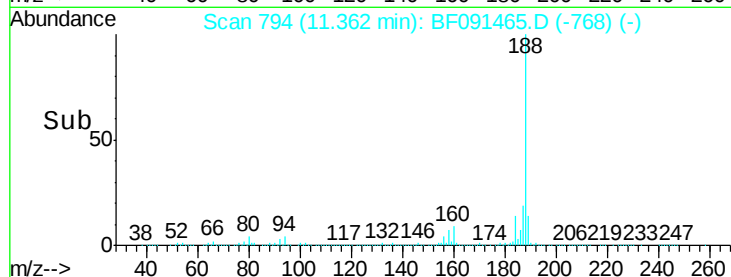
80 4.7 10.5 15.7#



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: 3.80 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

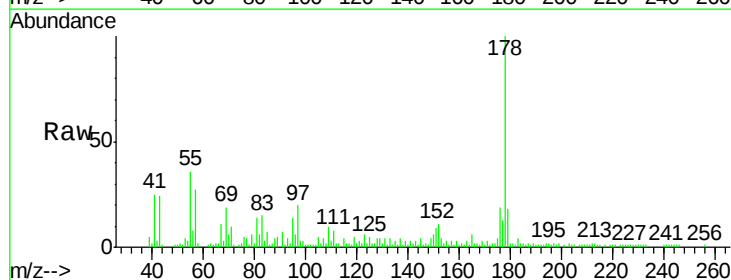
Tgt Ion:178 Resp: 82637

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

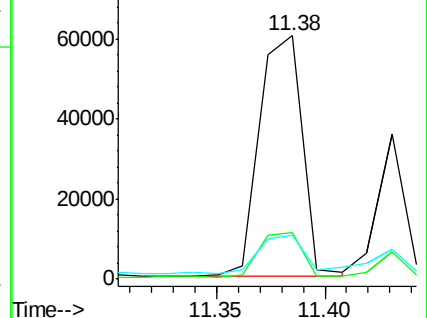
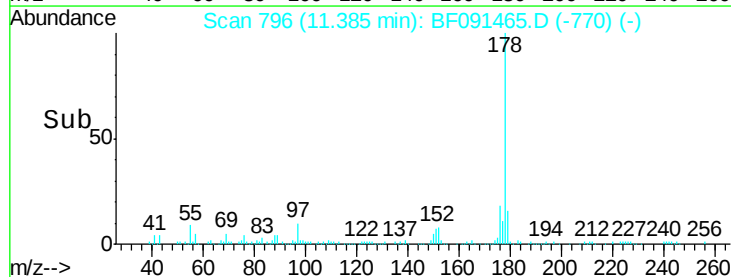
179 18.3 12.6 18.8

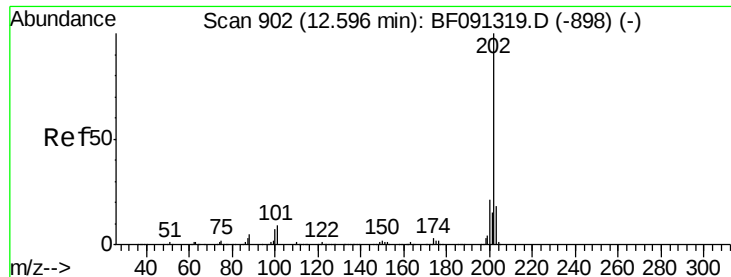


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.12 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

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TP14-15-COMP2

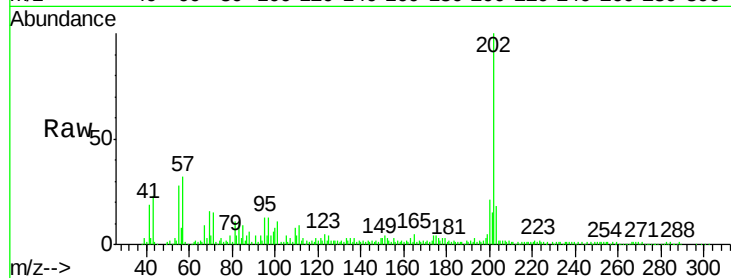
Tgt Ion:202 Resp: 167386

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.5

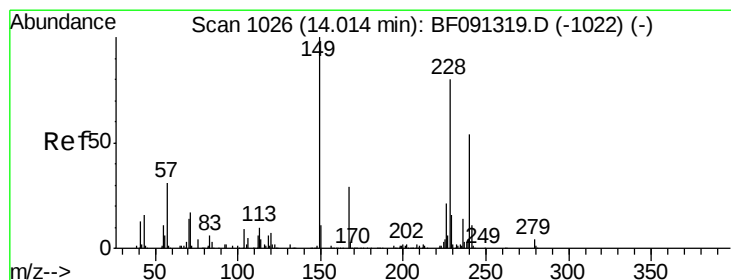
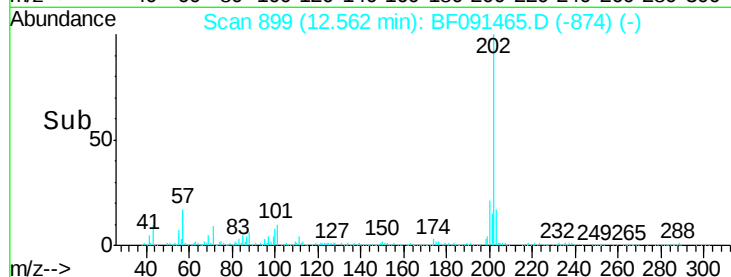
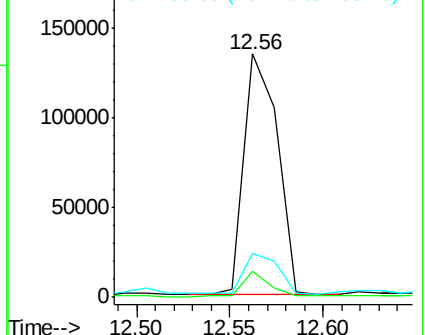
203 18.3 0.0 37.8



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: BF091465.D

Acq: 6 Dec 2016 18:16

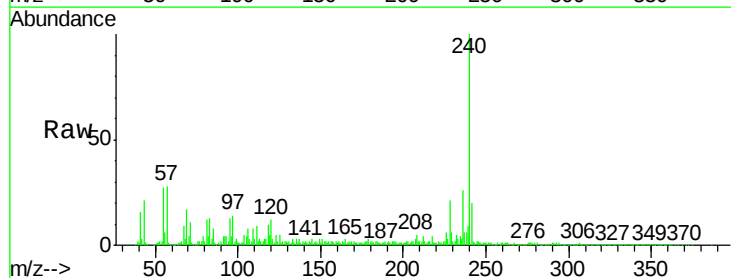
Tgt Ion:240 Resp: 338332

Ion Ratio Lower Upper

240 100

120 11.7 12.1 18.1#

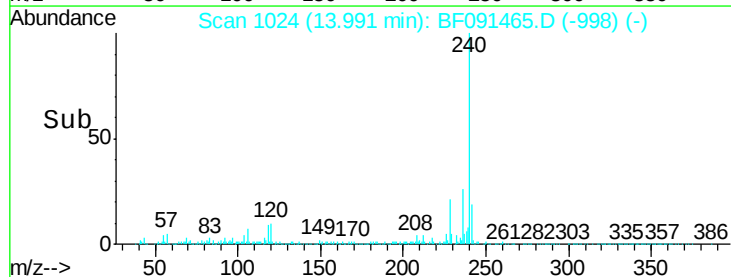
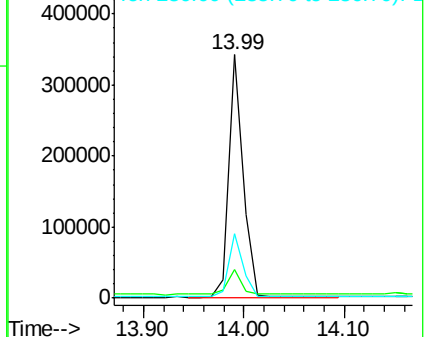
236 26.3 21.0 31.6

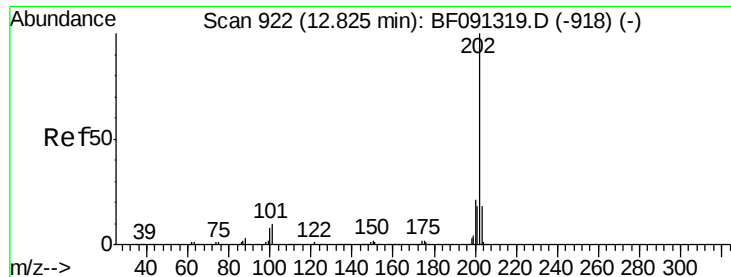


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.40 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

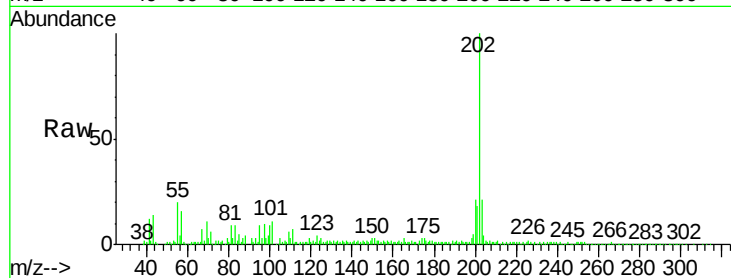
Tgt Ion:202 Resp: 215554

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

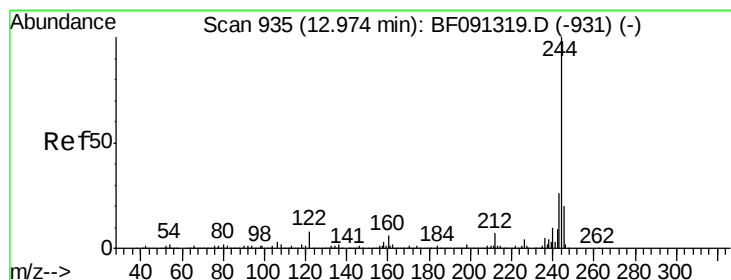
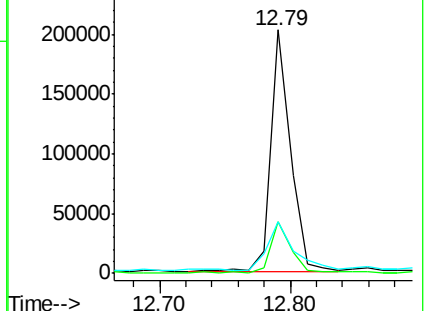
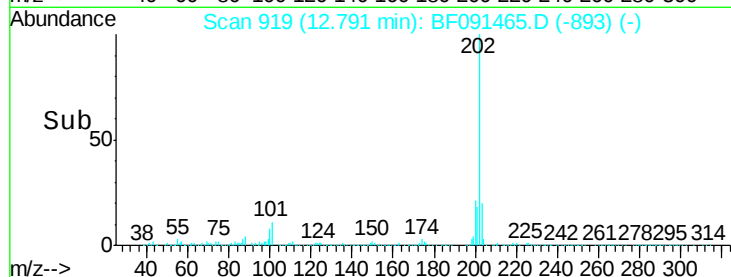
203 20.9 14.0 21.0



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: 44.49 ng

RT: 12.94 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

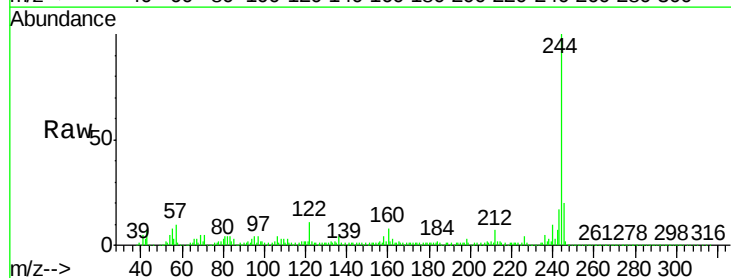
Tgt Ion:244 Resp: 692572

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

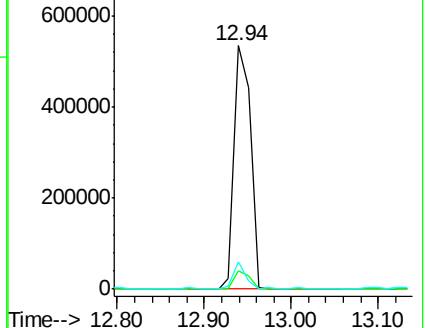
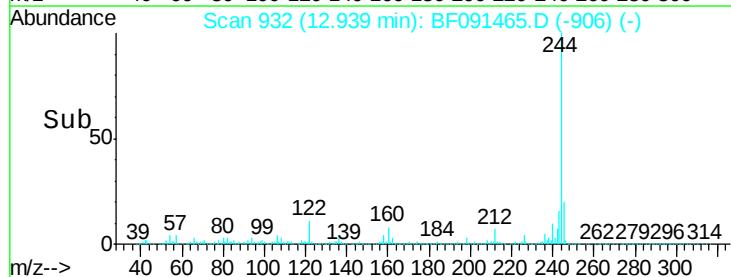
122 11.4 9.5 14.3

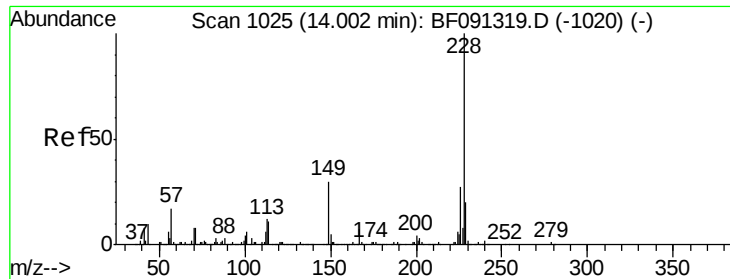


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

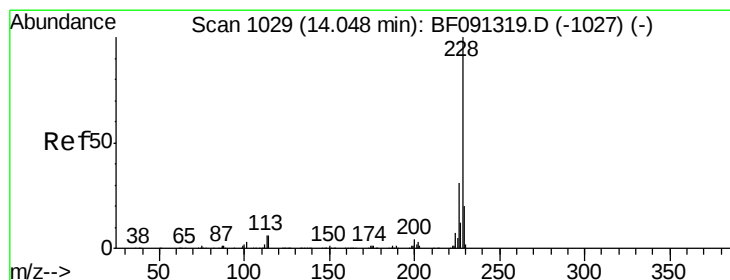
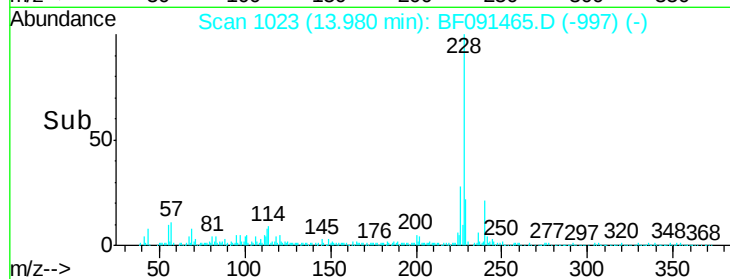
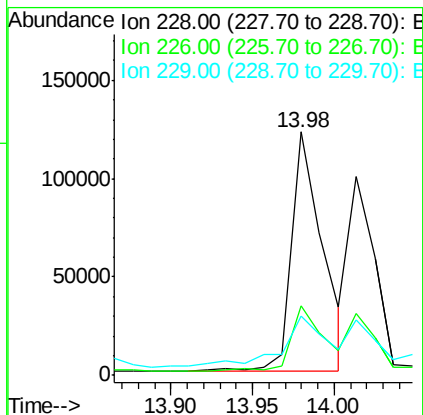
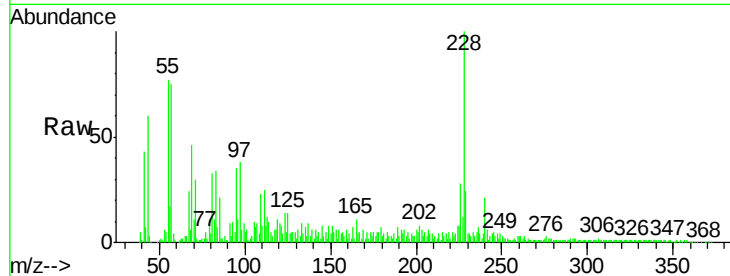




#80
Benzo(a)anthracene
Concen: 8.28 ng
RT: 13.98 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

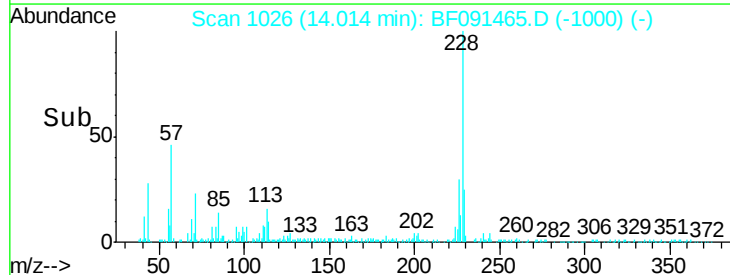
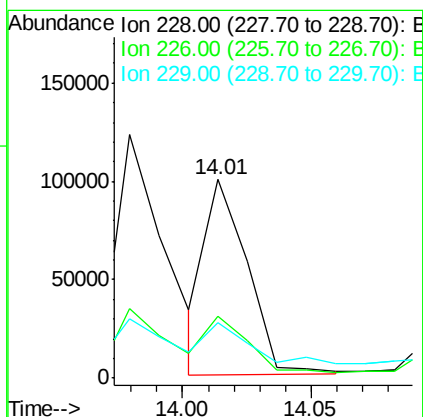
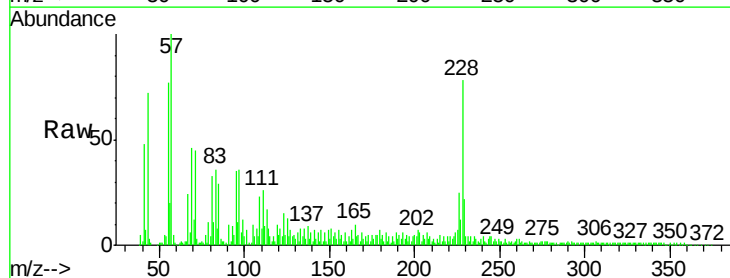
Instrument :
BNA_F
ClientSampleId :
TP14-15-COMP2

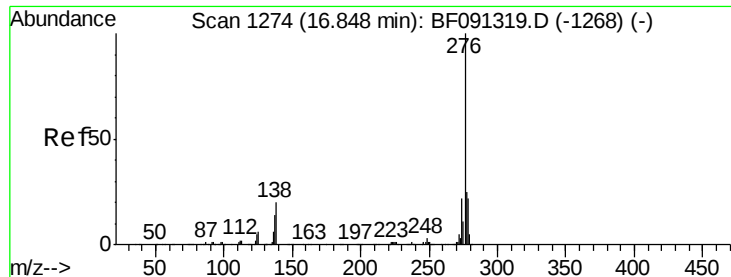
Tgt Ion:228 Resp: 163925
Ion Ratio Lower Upper
228 100
226 28.5 22.5 33.7
229 24.2 16.4 24.6



#82
Chrysene
Concen: 5.78 ng m
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF091465.D
Acq: 6 Dec 2016 18:16

Tgt Ion:228 Resp: 113114
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 28.2 16.0 24.0#





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.67 ng

RT: 16.81 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

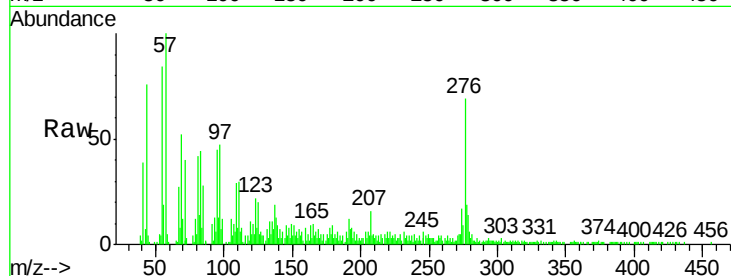
Tgt Ion:276 Resp: 47956

Ion Ratio Lower Upper

276 100

138 16.8 21.0 31.4#

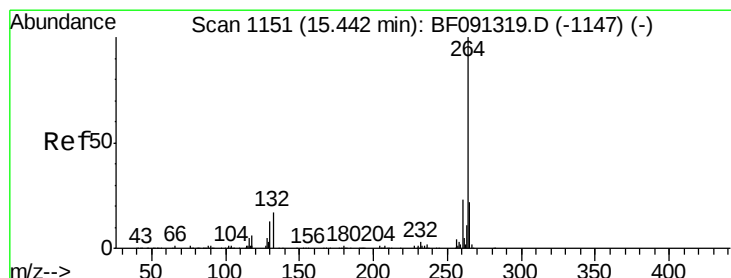
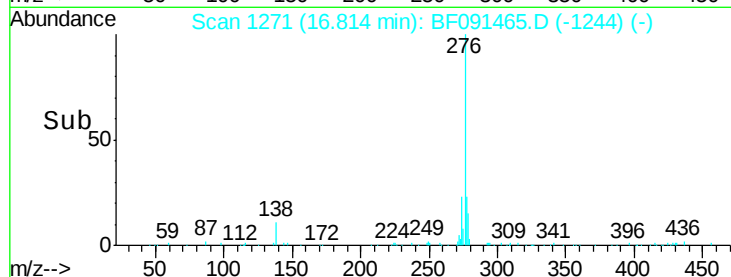
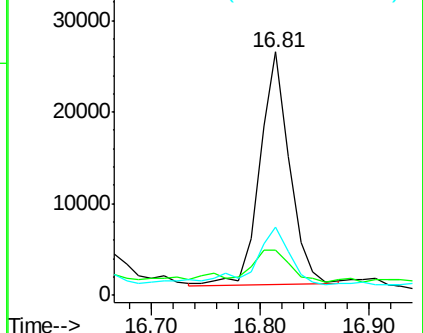
277 32.1 20.2 30.2#



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: BF091465.D

Acq: 6 Dec 2016 18:16

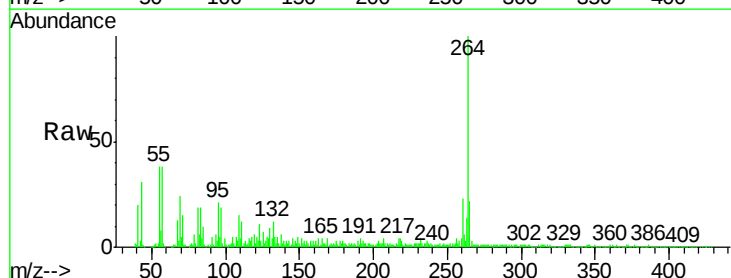
Tgt Ion:264 Resp: 302795

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

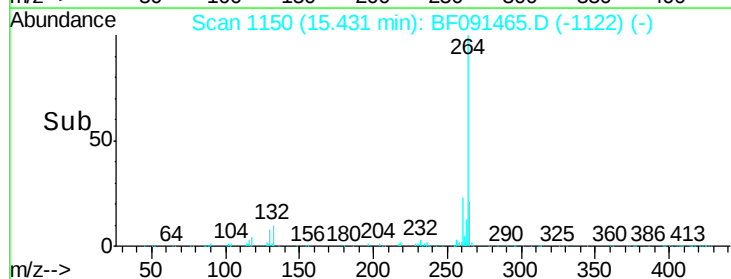
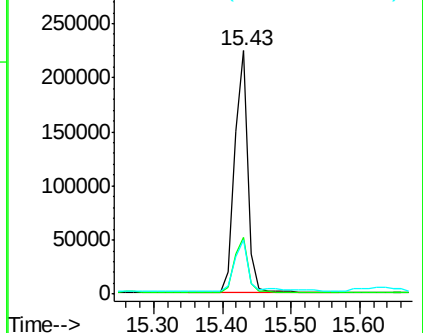
265 22.3 17.0 25.6

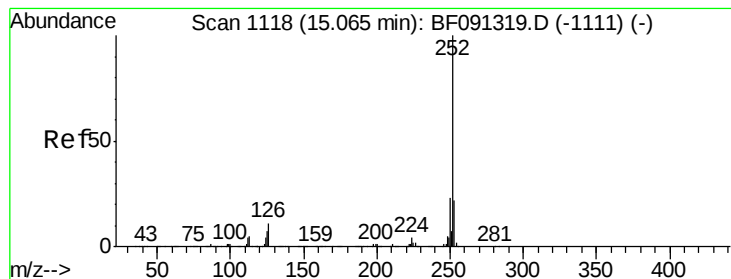


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.11 ng m

RT: 15.02 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

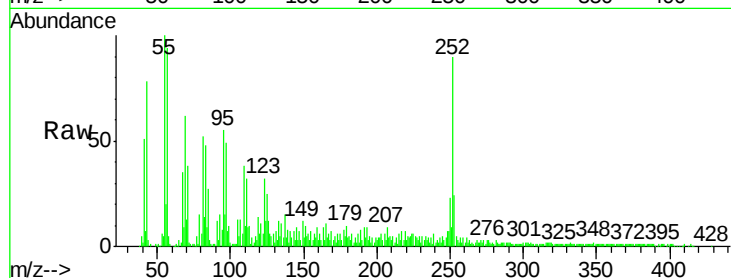
Tgt Ion:252 Resp: 152549

Ion Ratio Lower Upper

252 100

253 27.2 18.2 27.2

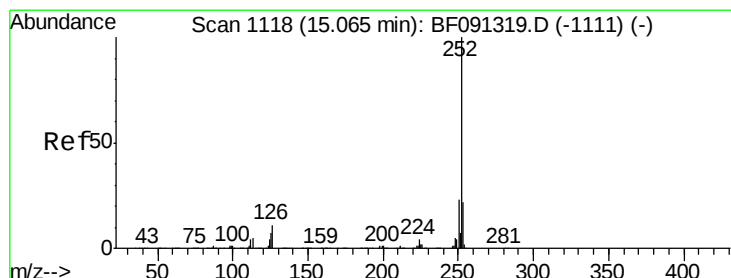
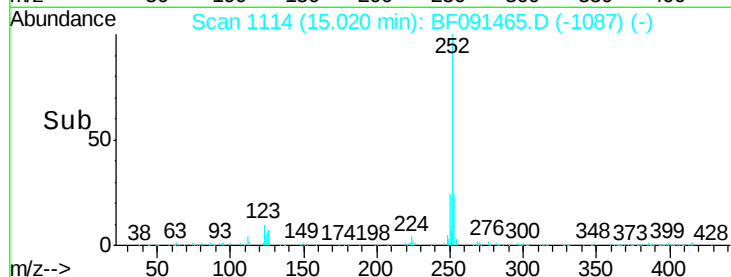
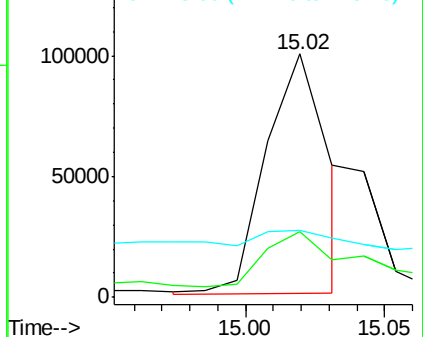
125 27.4 8.6 13.0#



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: 2.92 ng m

RT: 15.03 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

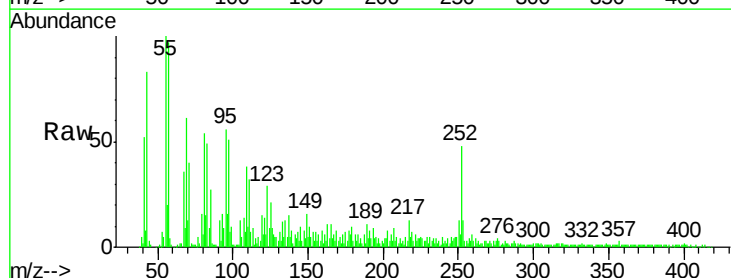
Tgt Ion:252 Resp: 46199

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

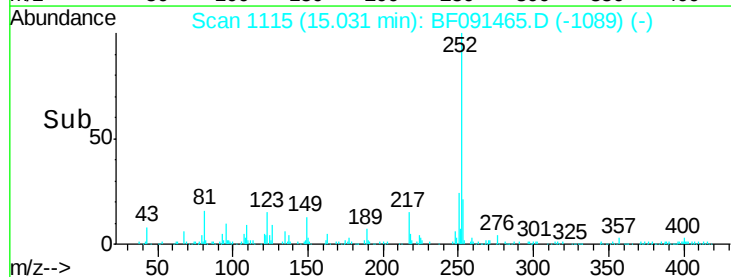
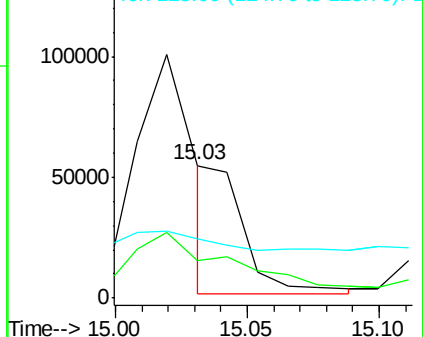
125 44.3 9.6 14.4#

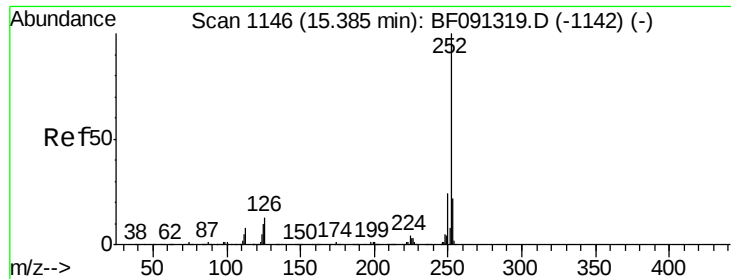


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.42 ng

RT: 15.36 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

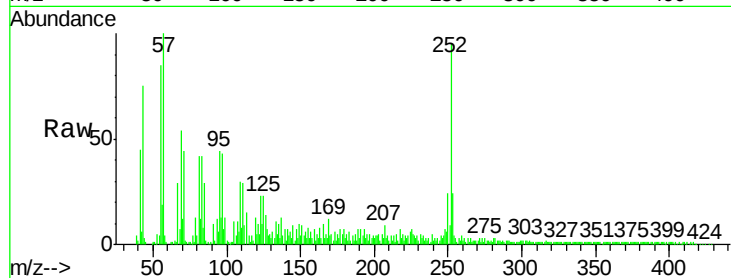
Tgt Ion: 252 Resp: 125383

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.4

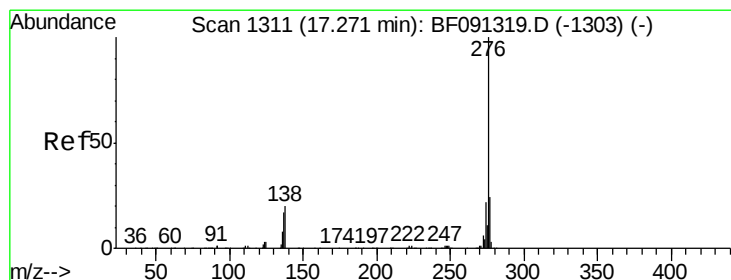
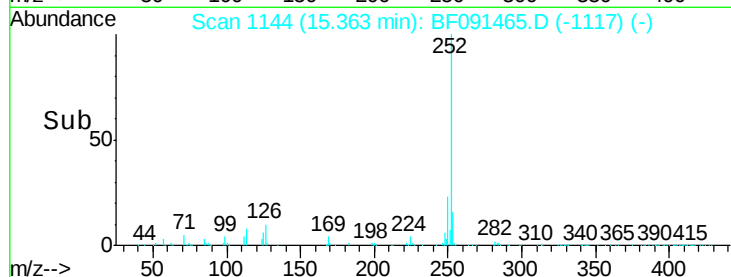
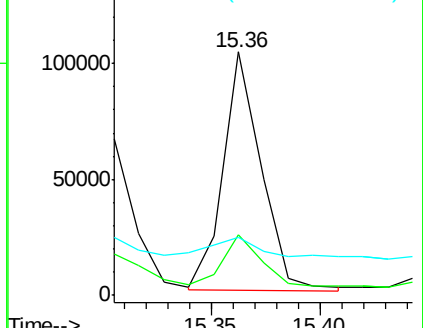
125 24.1 10.4 15.6#



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: 3.16 ng

RT: 17.23 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF091465.D

Acq: 6 Dec 2016 18:16

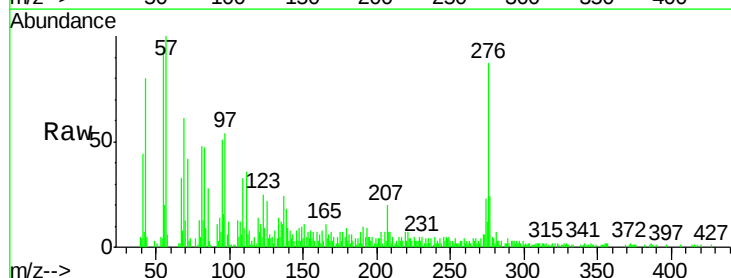
Tgt Ion: 276 Resp: 50988

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 20.4 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

