

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092596.D
 Acq On : 28 Jan 2017 00:38
 Operator : SJ/MA
 Sample : I1531-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S2C2

Quant Time: Jan 28 04:43:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	175258	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	669978	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	305493	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	447701	20.00	ng	0.00
75) Chrysene-d12	14.17	240	327873	20.00	ng	0.00
86) Perylene-d12	15.65	264	266003	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1540319	136.74	ng	0.05
7) Phenol-d6	6.62	99	1744117	121.55	ng	0.03
23) Nitrobenzene-d5	7.55	82	1277585	104.17	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	290416	139.50	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	1902855	115.18	ng	0.00
78) Terphenyl-d14	13.12	244	1306174	106.08	ng	0.00

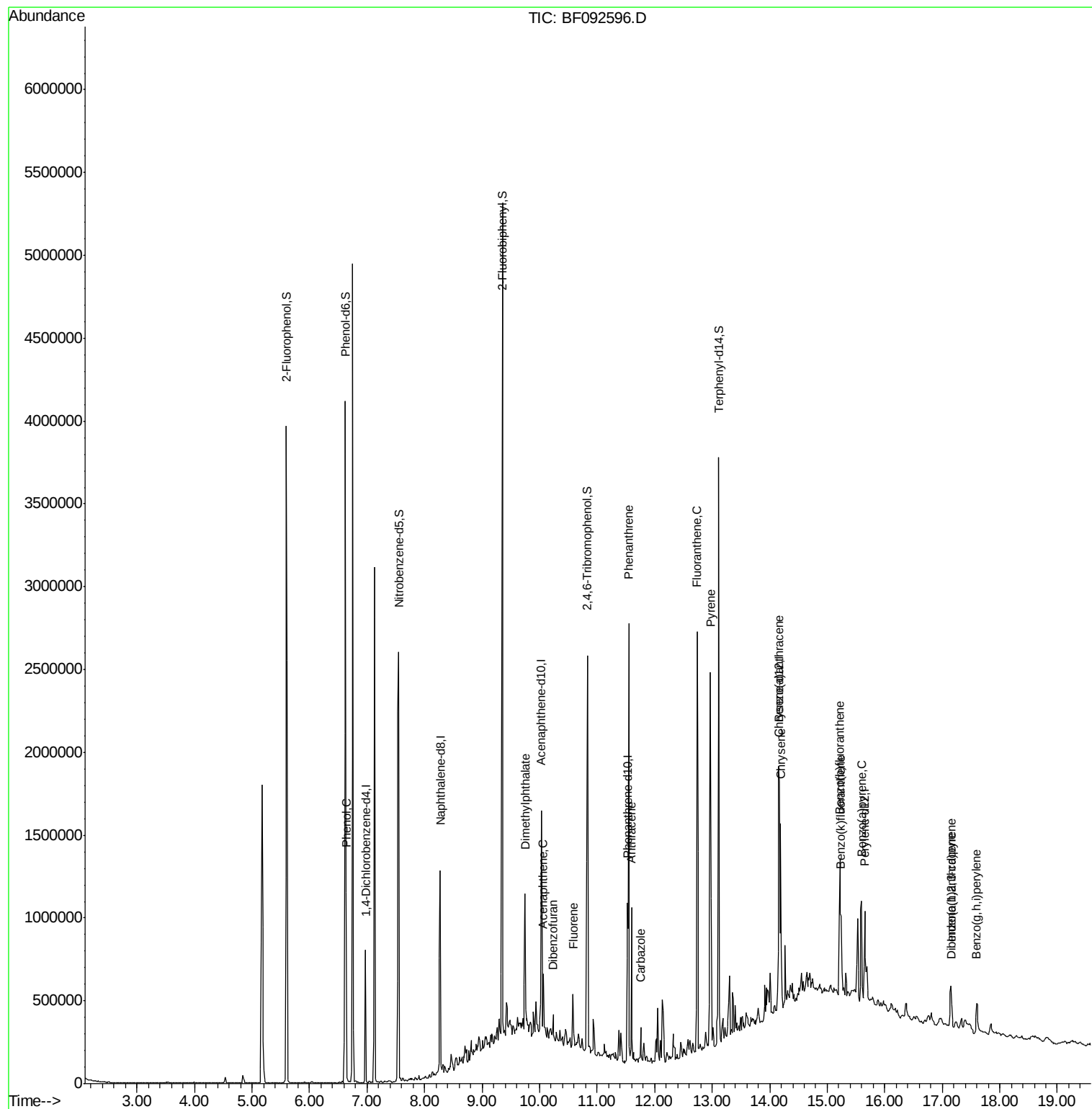
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.64	94	94347	5.45	ng	80
49) Dimethylphthalate	9.74	163	255818	13.17	ng	98
51) Acenaphthene	10.06	154	62248	3.79	ng	96
54) Dibenzofuran	10.24	168	49675	2.23	ng	93
57) Fluorene	10.58	166	80621	4.87	ng	96
70) Phenanthrene	11.55	178	1020969	41.41	ng	99
71) Anthracene	11.60	178	358038	14.86	ng	98
72) Carbazole	11.76	167	72088	3.13	ng	97
74) Fluoranthene	12.74	202	1229546	50.99	ng	98
77) Pyrene	12.97	202	1080952	45.50	ng	99
80) Benzo(a)anthracene	14.16	228	617610	35.05	ng	99
82) Chrysene	14.19	228	397443	21.12	ng	98
85) Indeno(1,2,3-cd)pyrene	17.15	276	183567	13.18	ng	94
87) Benzo(b)fluoranthene	15.22	252	492848m	28.86	ng	
88) Benzo(k)fluoranthene	15.23	252	194846m	13.72	ng	
89) Benzo(a)pyrene	15.60	252	360495	24.95	ng	98
90) Dibenzo(a,h)anthracene	17.16	278	43140	3.69	ng	# 88
91) Benzo(g,h,i)perylene	17.60	276	175803	14.88	ng	# 89

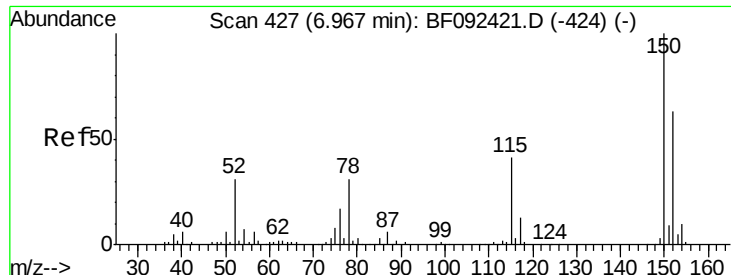
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

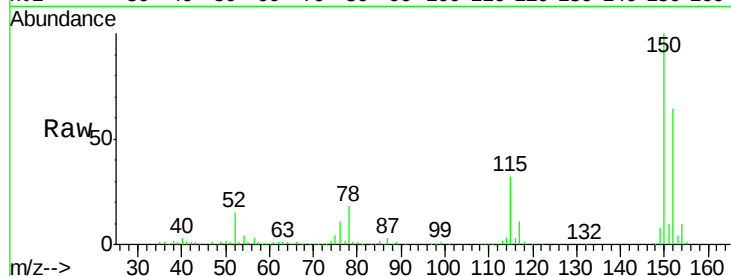
Tgt Ion:152 Resp: 175258

Ion Ratio Lower Upper

152 100

150 155.9 124.9 187.3

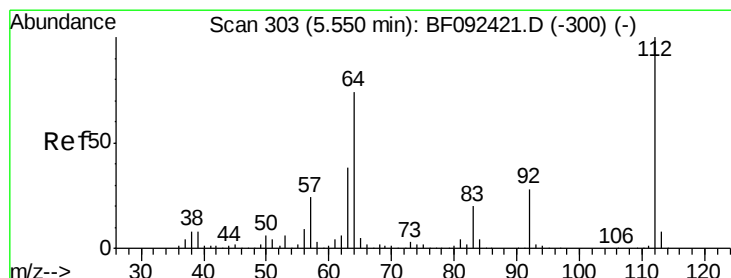
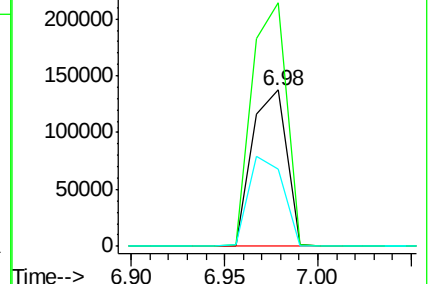
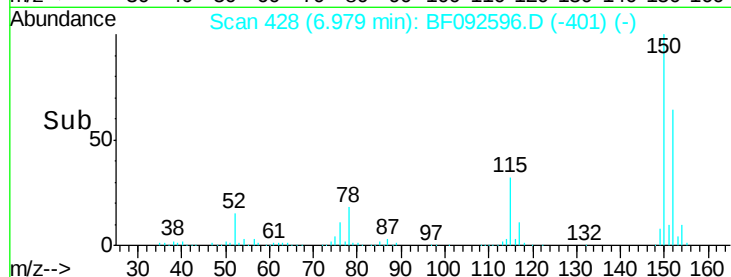
115 49.6 46.0 69.0



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: 136.74 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

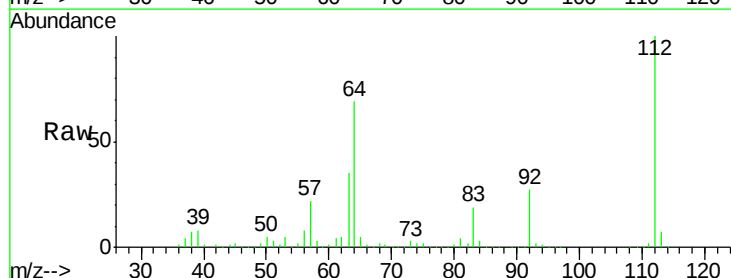
Tgt Ion:112 Resp: 1540319

Ion Ratio Lower Upper

112 100

64 69.0 46.1 69.1

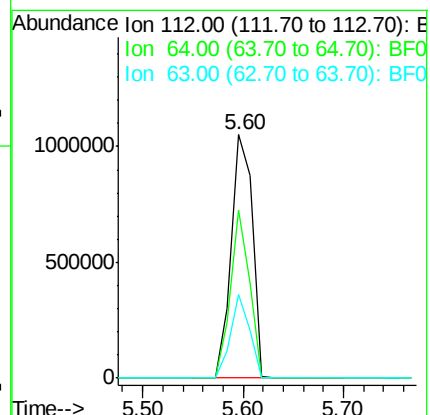
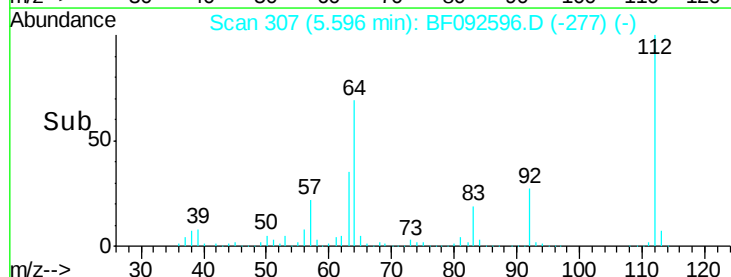
63 34.5 23.8 35.6

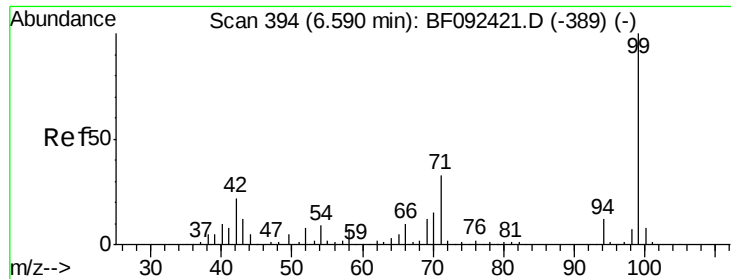


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

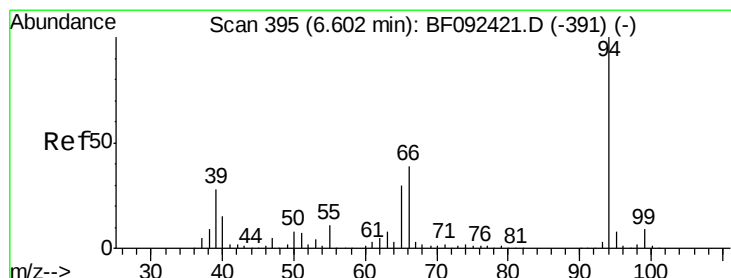
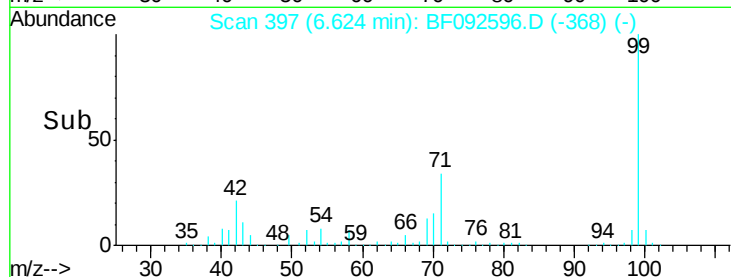
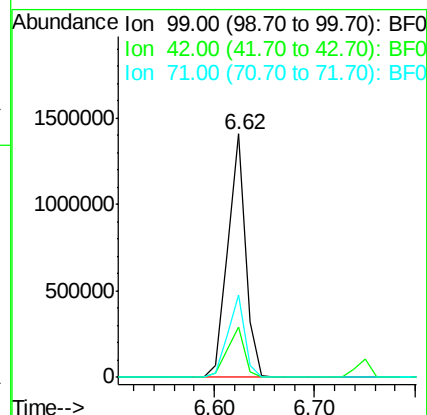
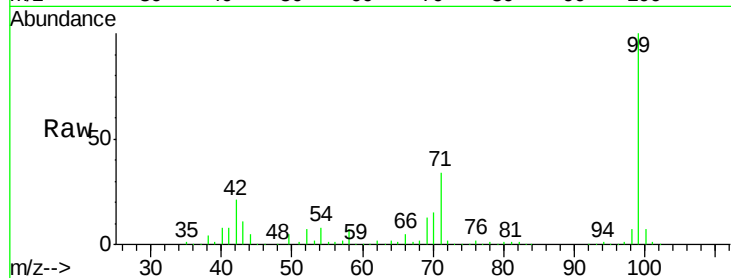




#7
Phenol-d6
Concen: 121.55 ng
RT: 6.62 min Scan# 397
Delta R.T. 0.03 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

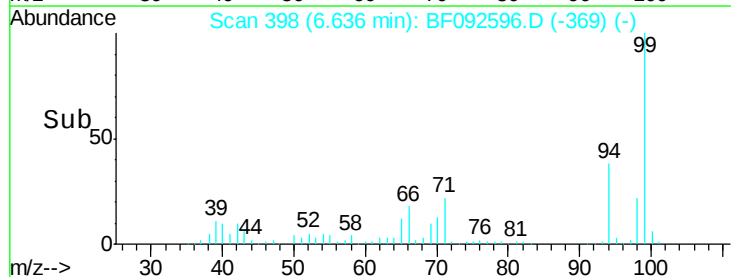
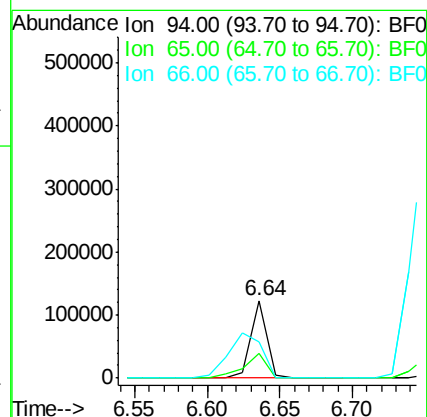
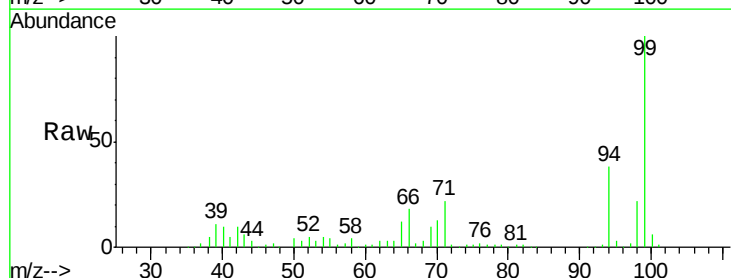
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S2C2

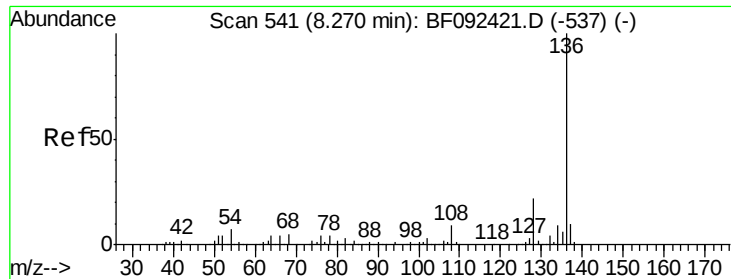
Tgt Ion: 99 Resp: 1744117
Ion Ratio Lower Upper
99 100
42 20.9 15.6 23.4
71 33.8 27.5 41.3



#10
Phenol
Concen: 5.45 ng
RT: 6.64 min Scan# 398
Delta R.T. 0.03 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

Tgt Ion: 94 Resp: 94347
Ion Ratio Lower Upper
94 100
65 31.1 21.4 61.4
66 46.8 44.0 84.0

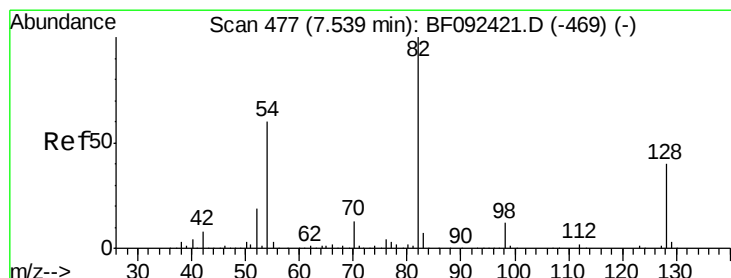
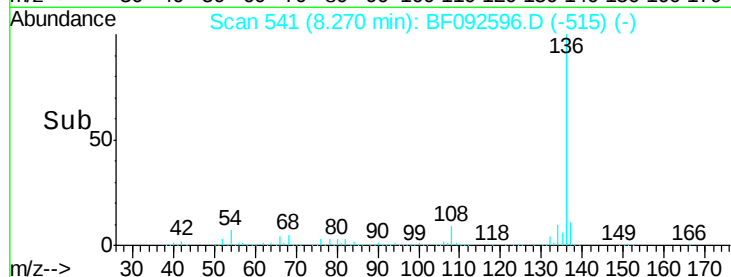
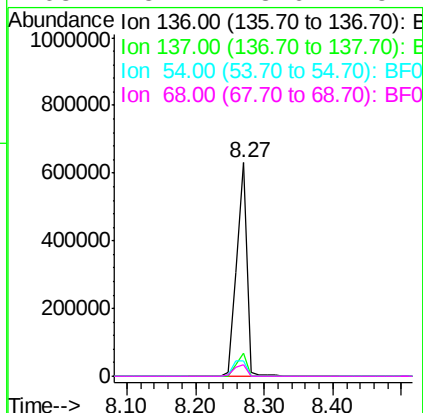
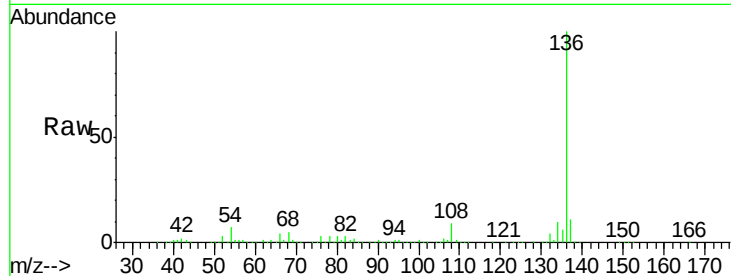




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

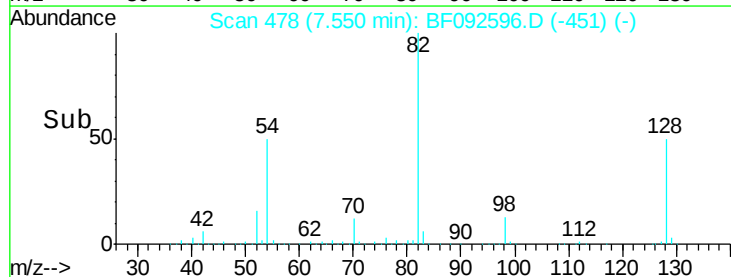
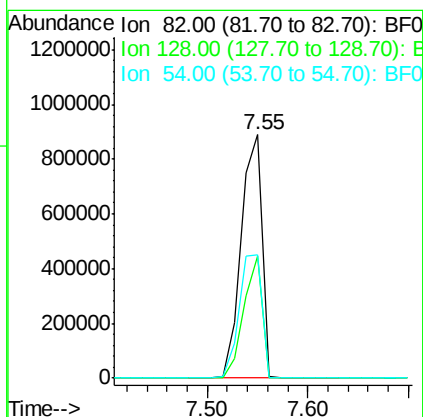
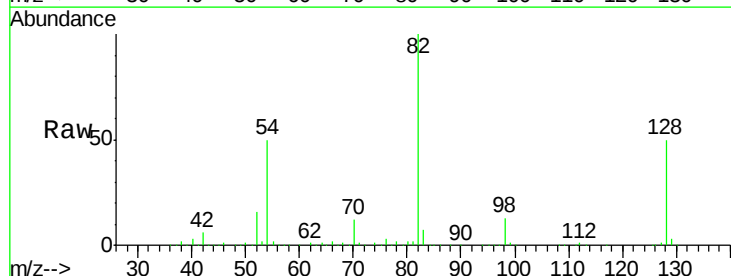
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S2C2

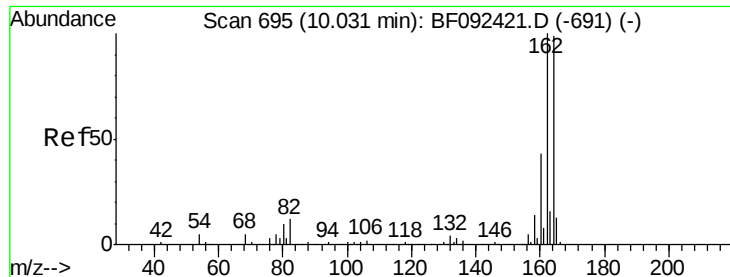
Tgt Ion:	136	Resp:	669978
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.2	4.5	6.7#
68	5.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 104.17 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

Tgt Ion:	82	Resp:	1277585
Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	52.0
54	50.5	39.5	59.3

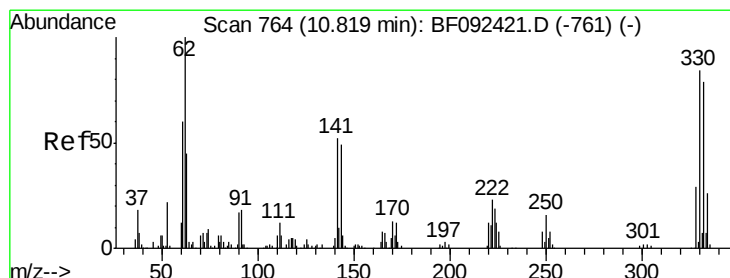
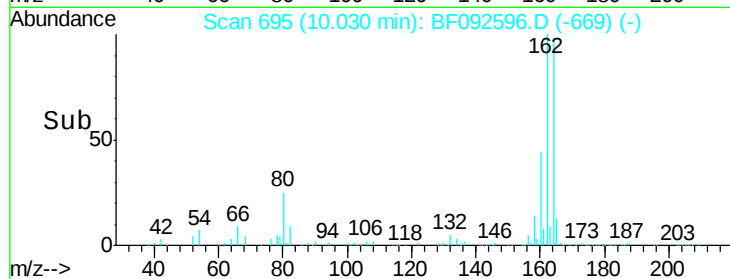
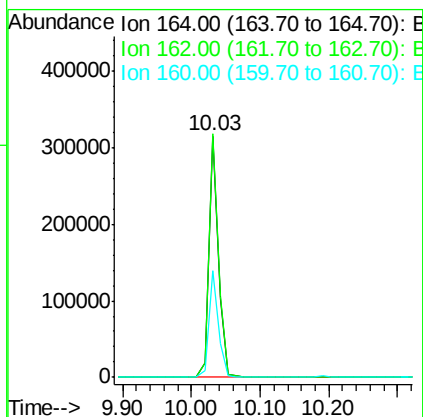
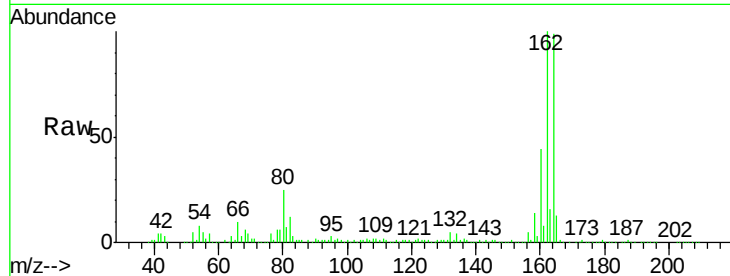




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

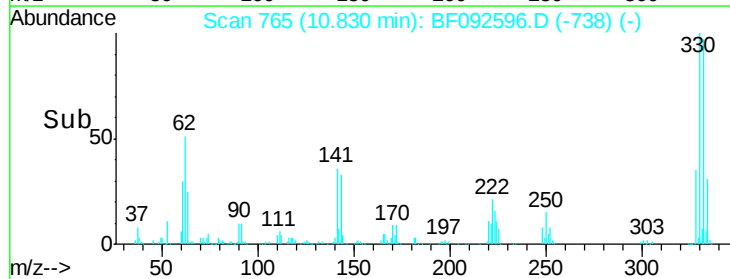
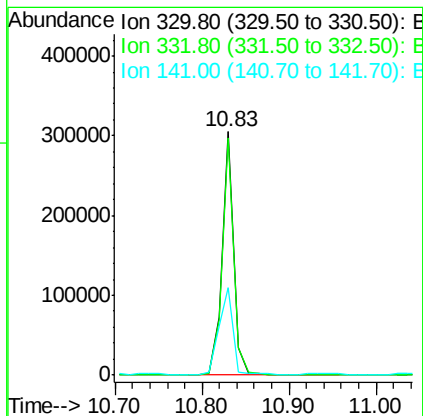
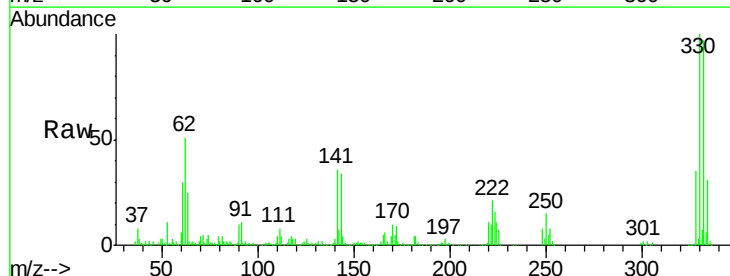
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S2C2

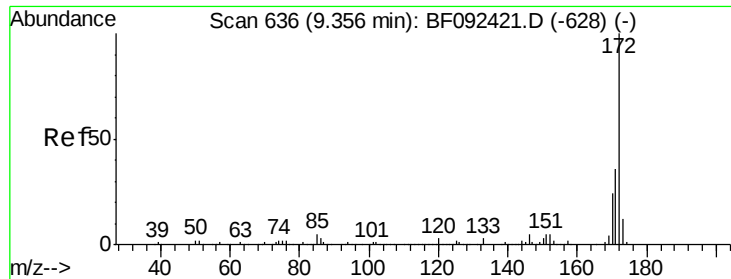
Tgt Ion:164 Resp: 305493
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 44.2 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 139.50 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

Tgt Ion:330 Resp: 290416
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.2
141 42.3 34.1 51.1

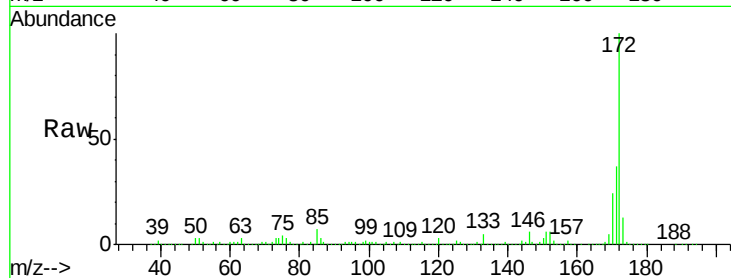




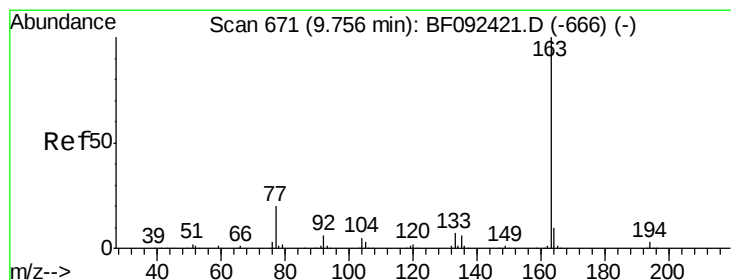
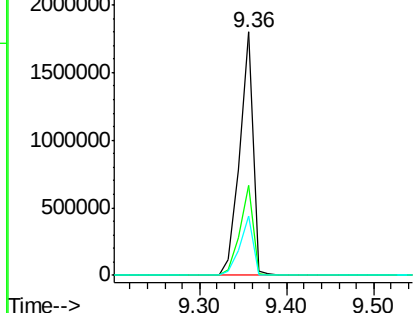
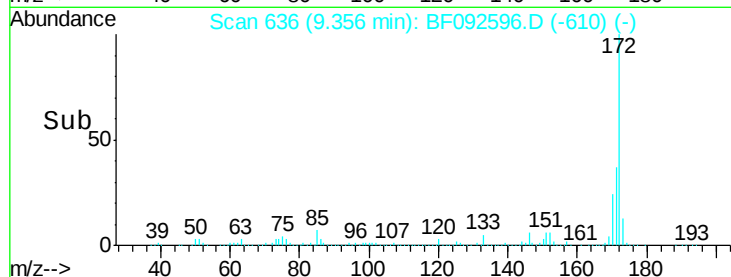
#44
 2-Fluorobiphenyl
 Concen: 115.18 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S2C2

Tgt Ion:172 Resp: 1902855
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.5 20.2 30.4

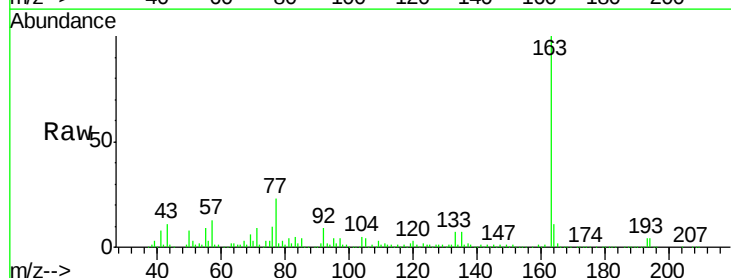


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

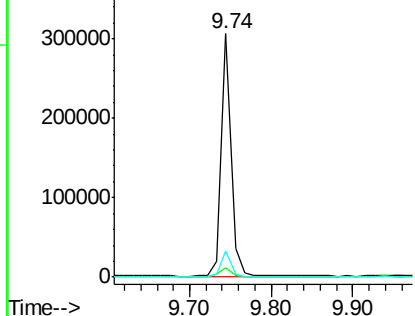
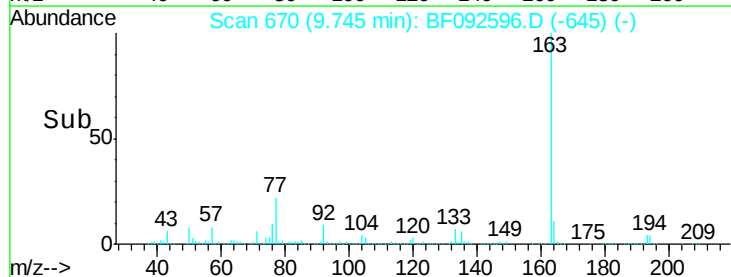


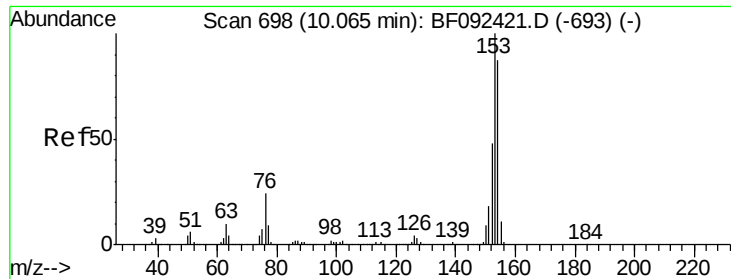
#49
 Dimethylphthalate
 Concen: 13.17 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

Tgt Ion:163 Resp: 255818
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.0 4.4
 164 10.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.79 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

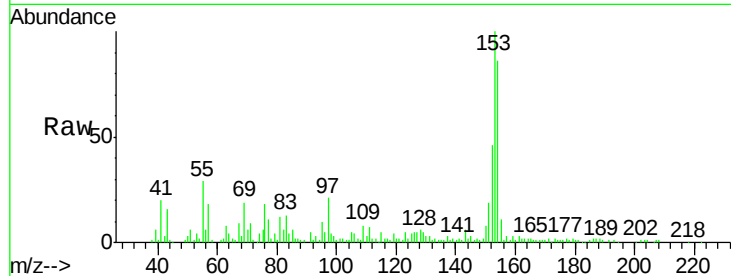
Tgt Ion:154 Resp: 62248

Ion Ratio Lower Upper

154 100

153 116.6 88.6 133.0

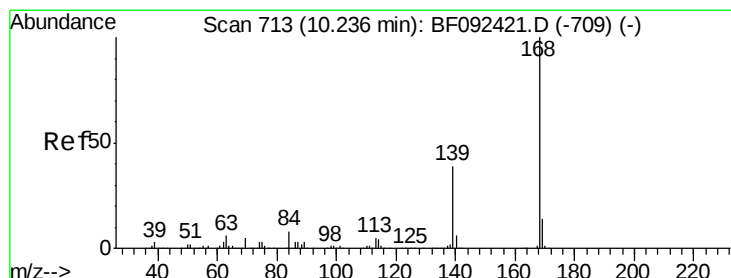
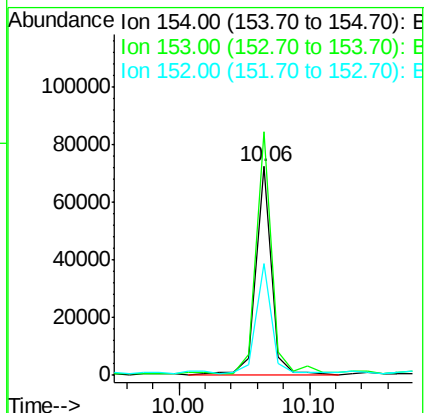
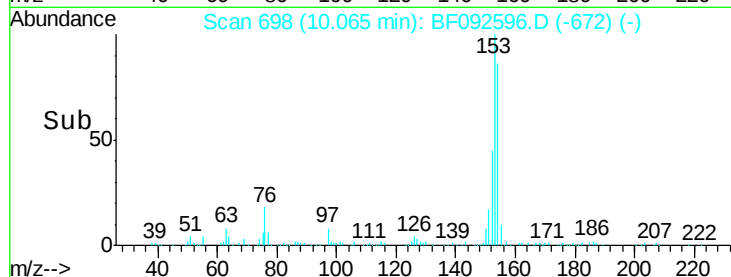
152 53.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.23 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

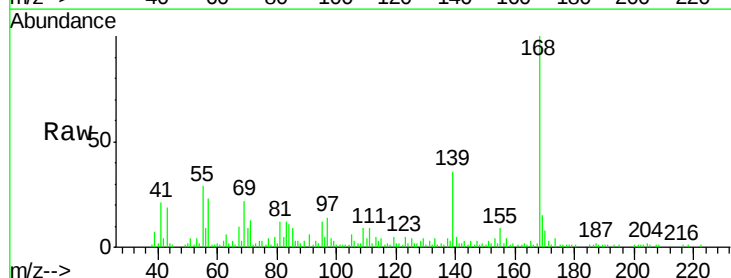
Tgt Ion:168 Resp: 49675

Ion Ratio Lower Upper

168 100

139 35.9 32.6 49.0

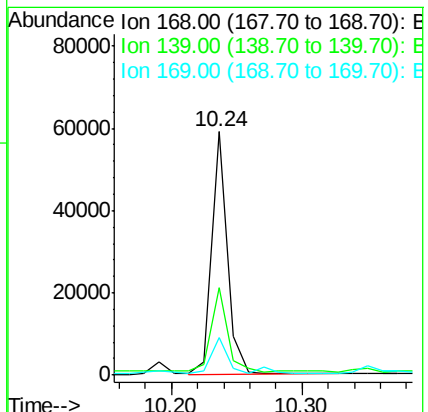
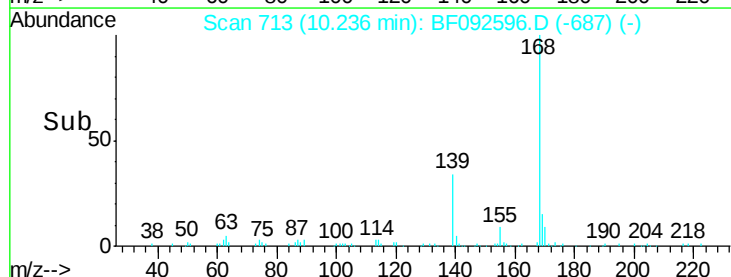
169 15.3 11.3 16.9

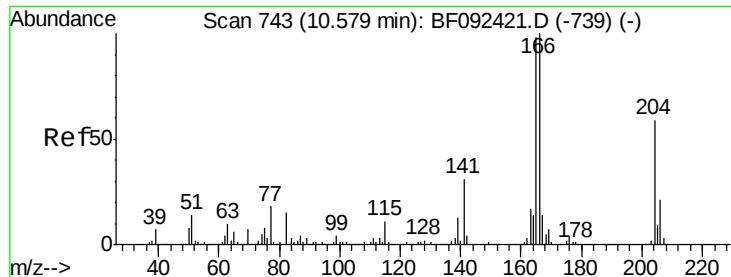


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

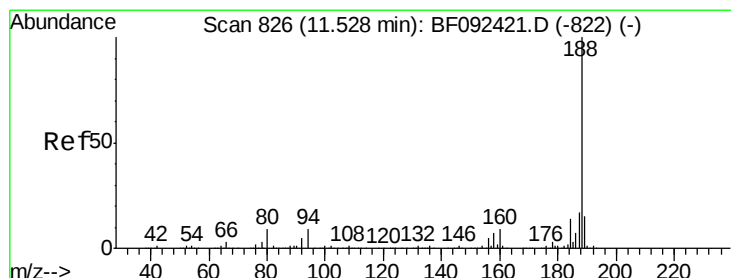
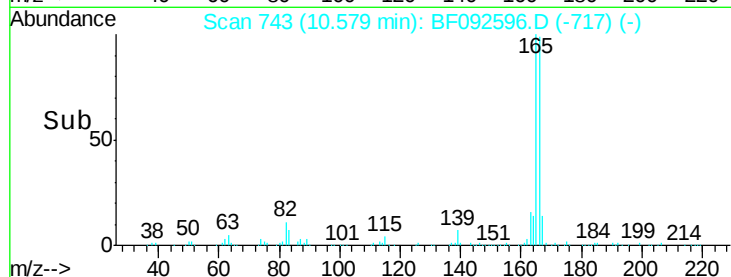
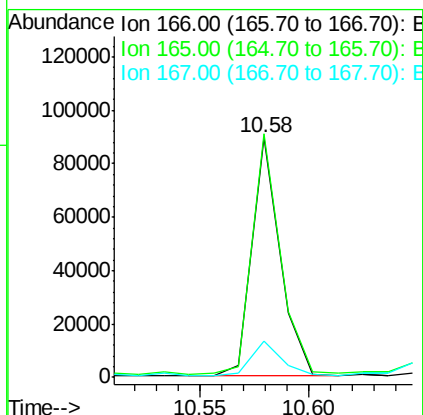
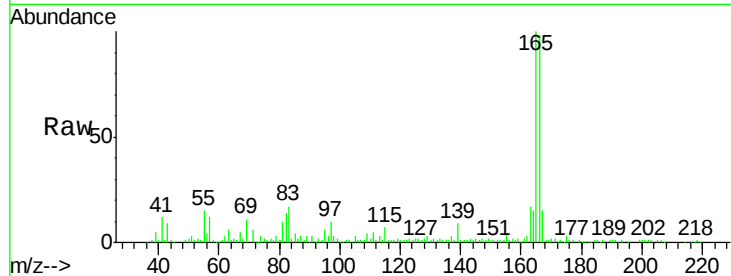




#57
 Fluorene
 Concen: 4.87 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

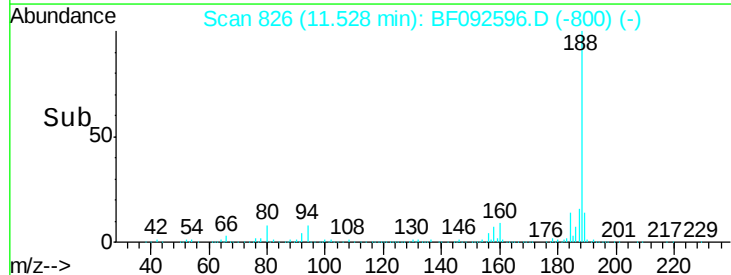
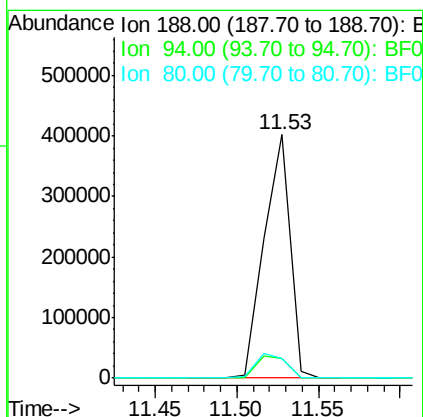
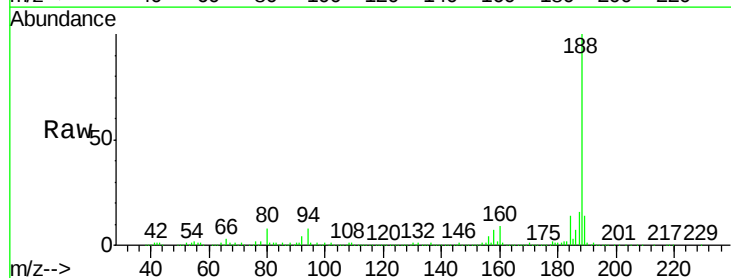
Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S2C2

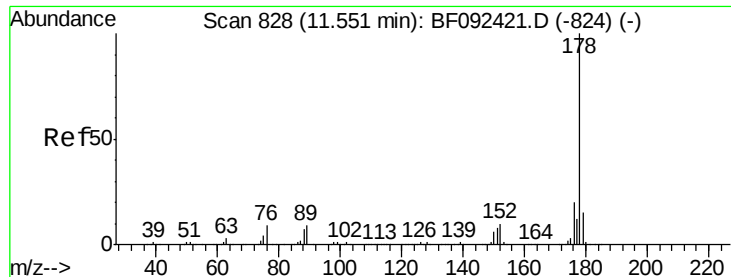
Tgt Ion:166 Resp: 80621
 Ion Ratio Lower Upper
 166 100
 165 101.7 77.8 116.8
 167 15.0 10.8 16.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

Tgt Ion:188 Resp: 447701
 Ion Ratio Lower Upper
 188 100
 94 7.9 10.0 15.0#
 80 8.1 11.2 16.8#

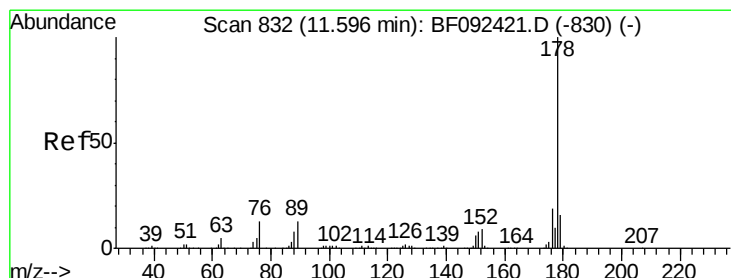
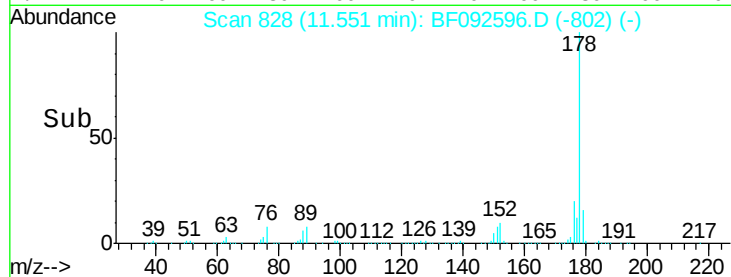
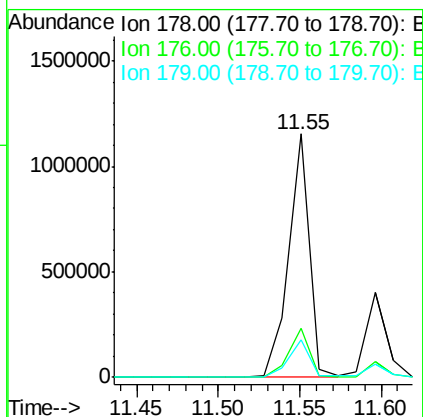
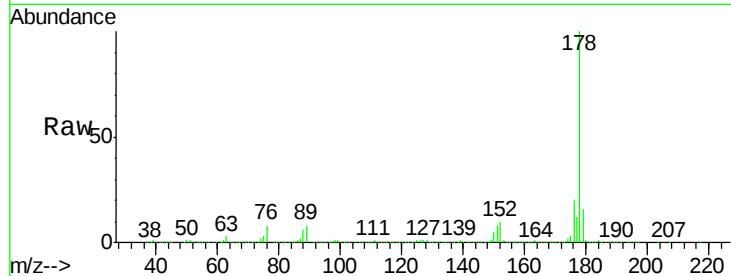




#70
Phenanthrene
Concen: 41.41 ng
RT: 11.55 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

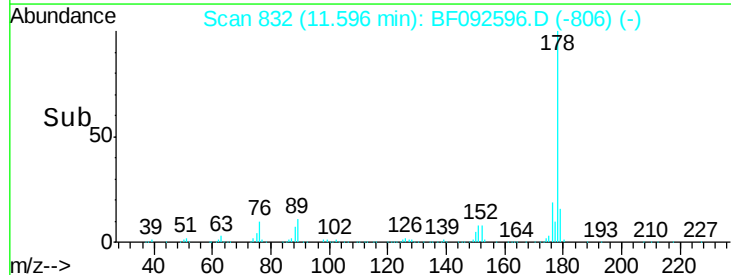
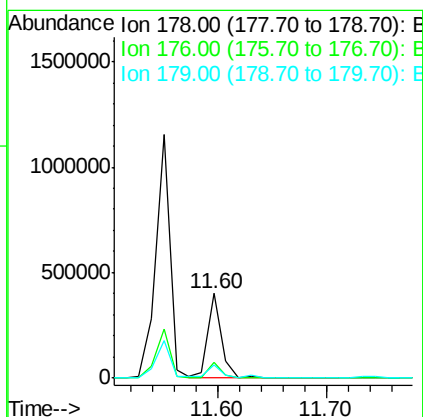
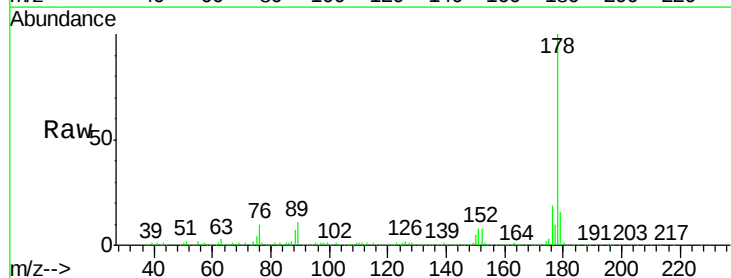
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S2C2

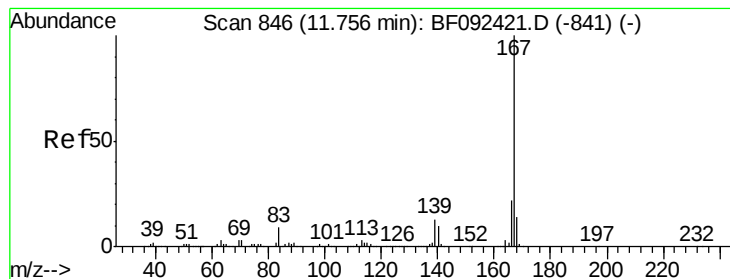
Tgt Ion:178 Resp: 1020969
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 15.6 12.8 19.2



#71
Anthracene
Concen: 14.86 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

Tgt Ion:178 Resp: 358038
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.7 13.2 19.8





#72

Carbazole

Concen: 3.13 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

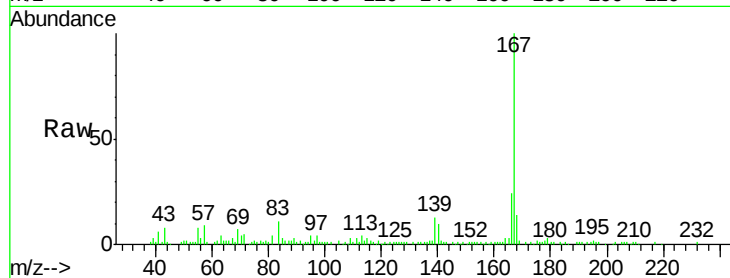
Tgt Ion:167 Resp: 72088

Ion Ratio Lower Upper

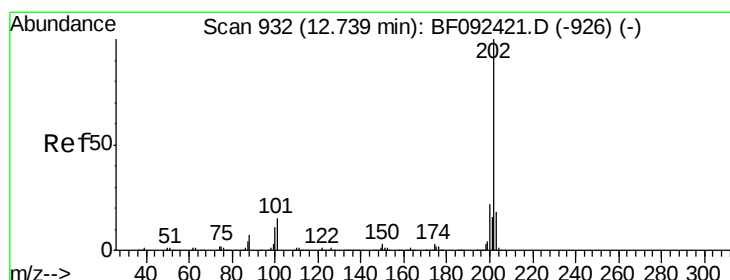
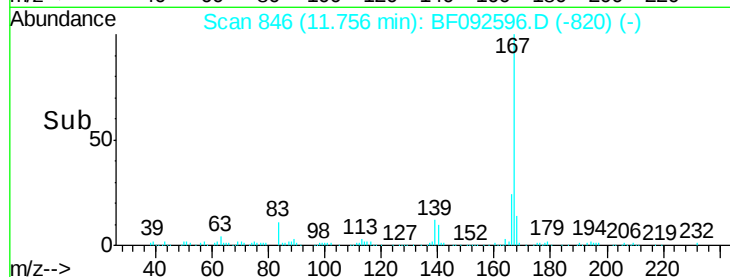
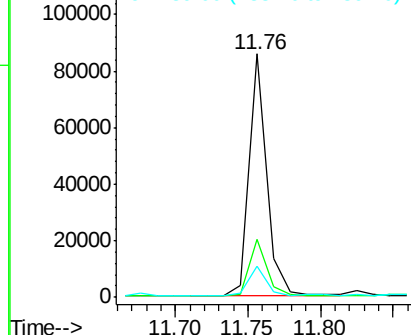
167 100

166 23.9 18.2 27.2

139 12.9 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 50.99 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

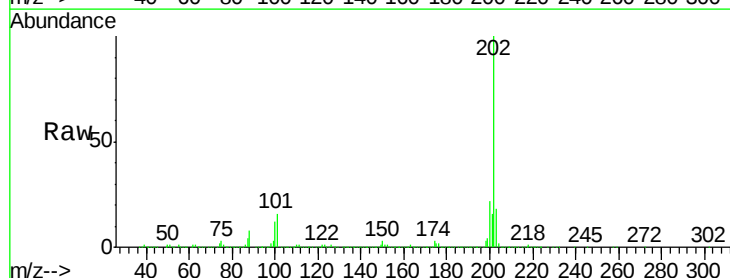
Tgt Ion:202 Resp: 1229546

Ion Ratio Lower Upper

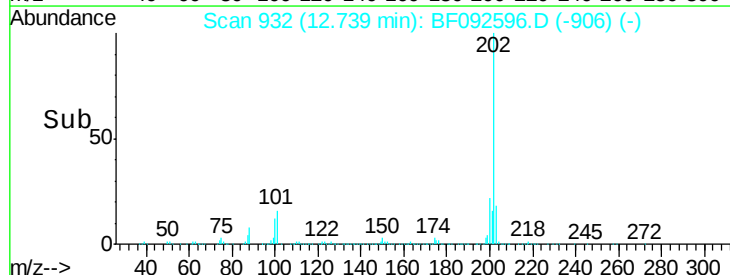
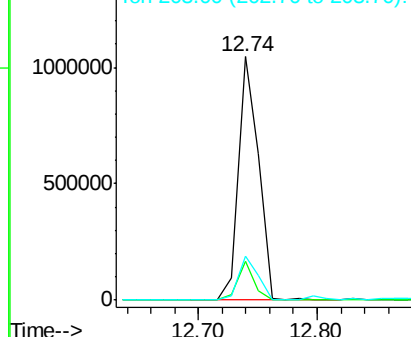
202 100

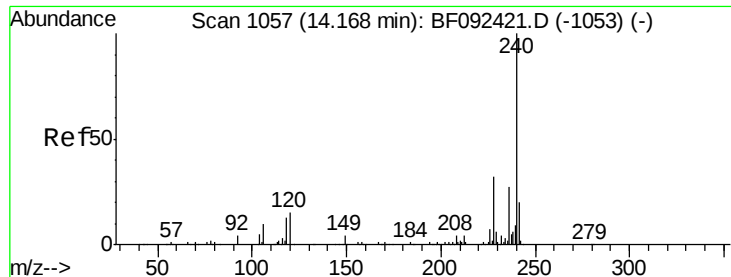
101 15.7 0.0 34.6

203 18.2 0.0 38.7



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: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

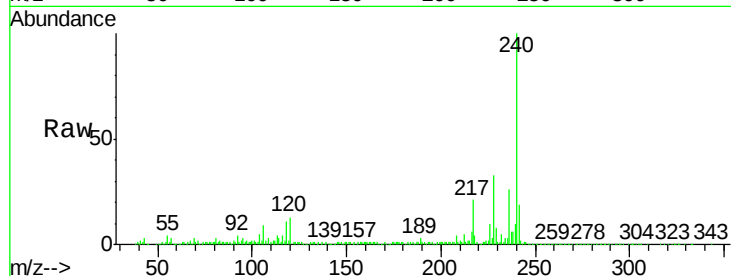
Tgt Ion:240 Resp: 327873

Ion Ratio Lower Upper

240 100

120 13.0 12.9 19.3

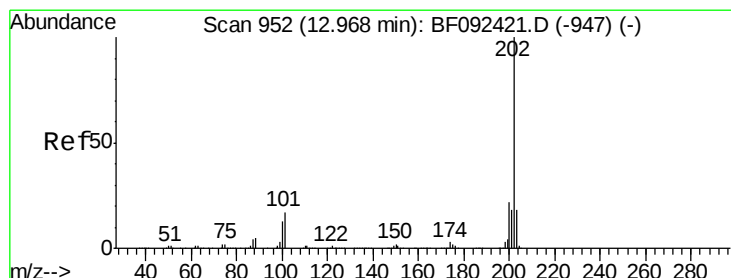
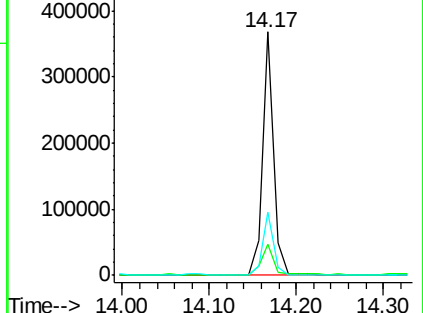
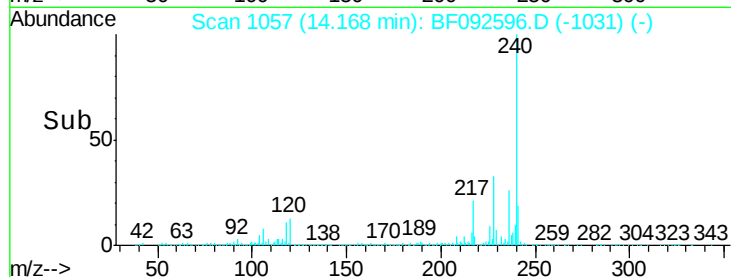
236 26.2 20.9 31.3



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: 45.50 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

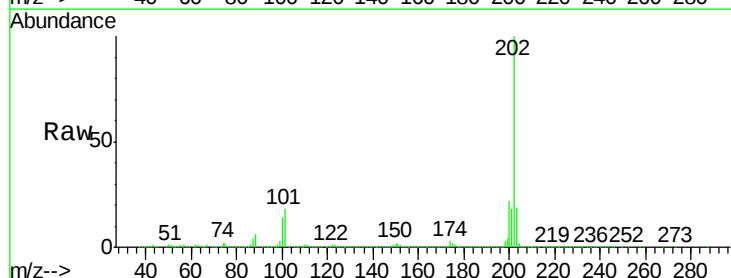
Tgt Ion:202 Resp: 1080952

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

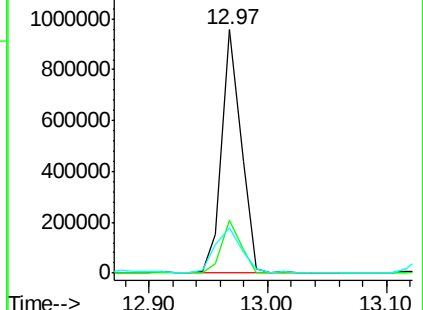
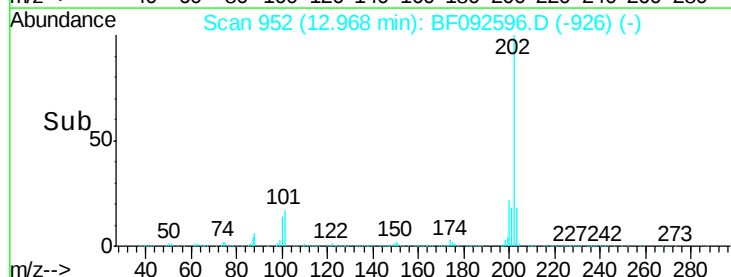
203 18.5 14.7 22.1

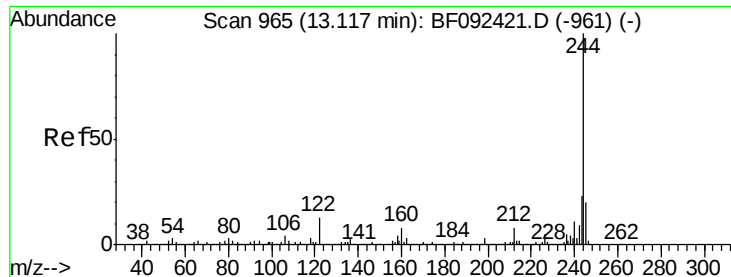


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

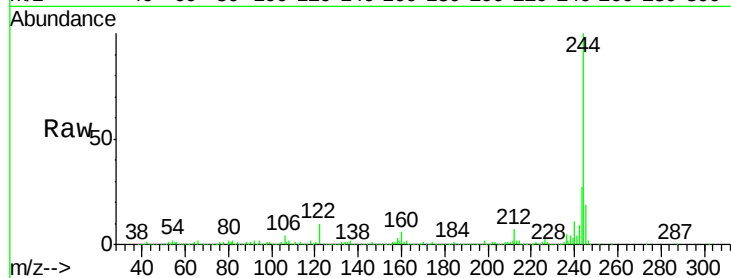




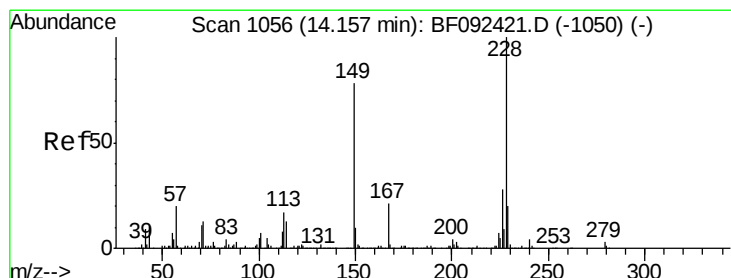
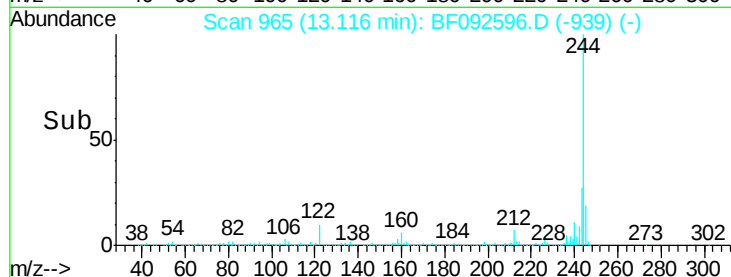
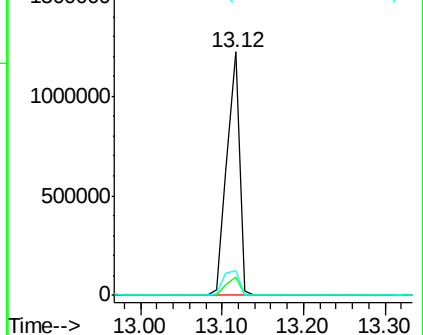
#78
 Terphenyl-d14
 Concen: 106.08 ng
 RT: 13.12 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S2C2

Tgt Ion:244 Resp: 1306174
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 10.2 11.4 17.2#

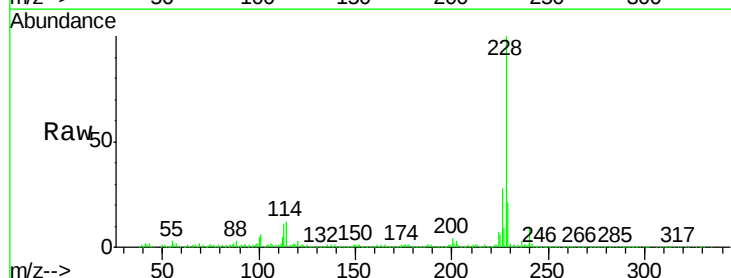


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

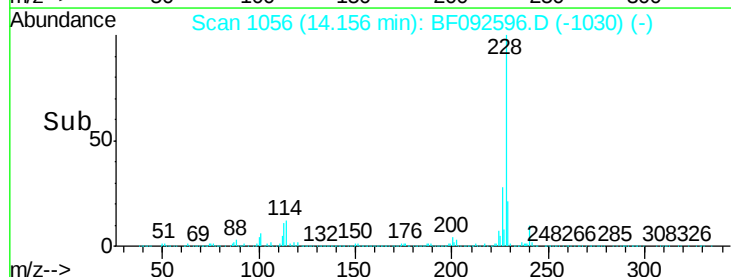
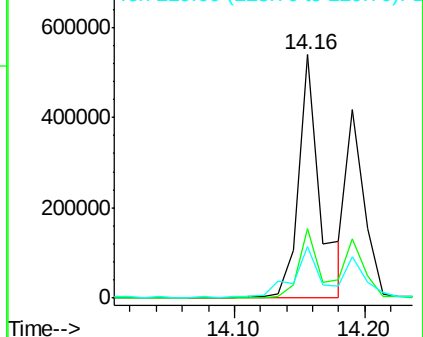


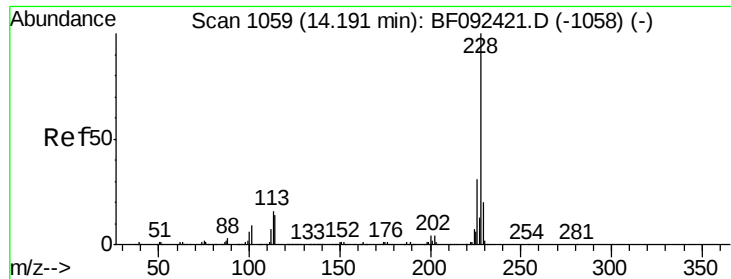
#80
 Benzo(a)anthracene
 Concen: 35.05 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BF092596.D
 Acq: 28 Jan 2017 00:38

Tgt Ion:228 Resp: 617610
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.4 33.6
 229 20.9 16.2 24.4



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





#82

Chrysene

Concen: 21.12 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

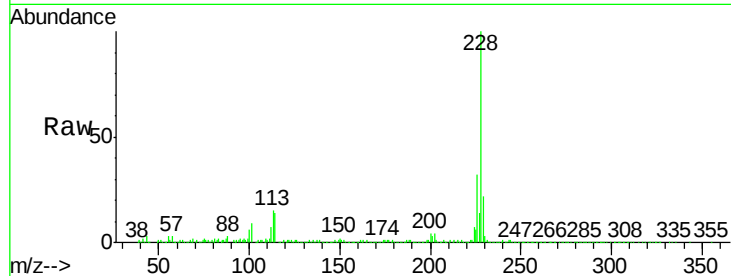
Tgt Ion:228 Resp: 397443

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

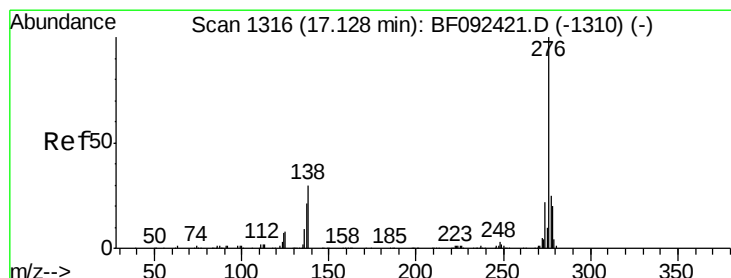
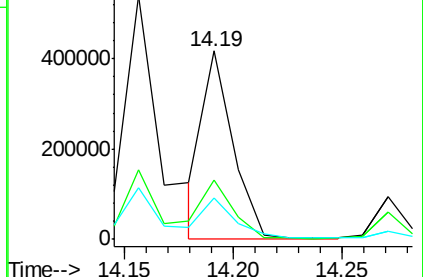
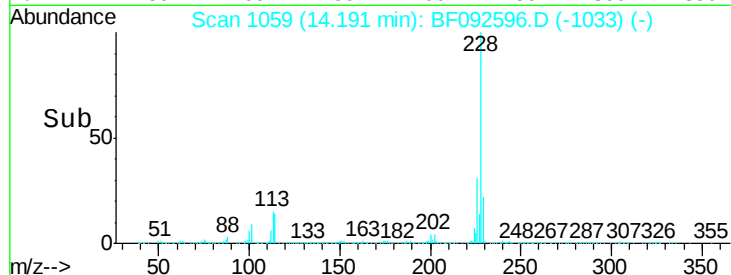
229 22.1 16.2 24.2



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: 13.18 ng

RT: 17.15 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

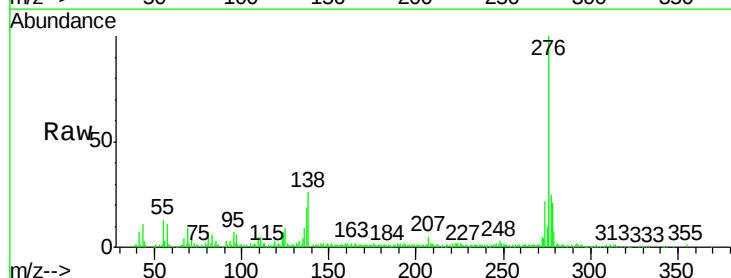
Tgt Ion:276 Resp: 183567

Ion Ratio Lower Upper

276 100

138 29.4 21.8 32.6

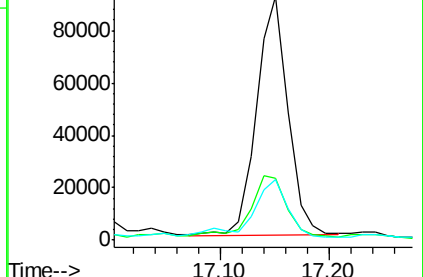
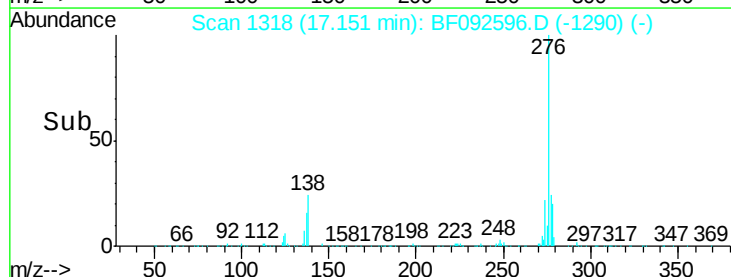
277 29.6 20.2 30.4

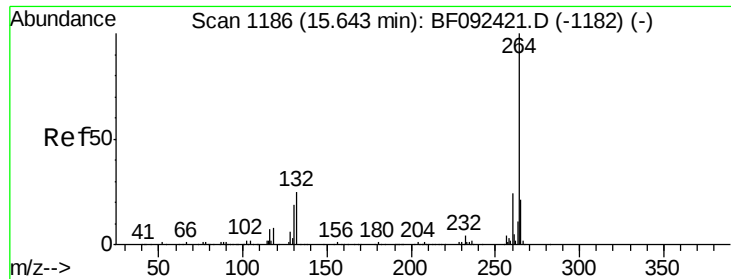


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

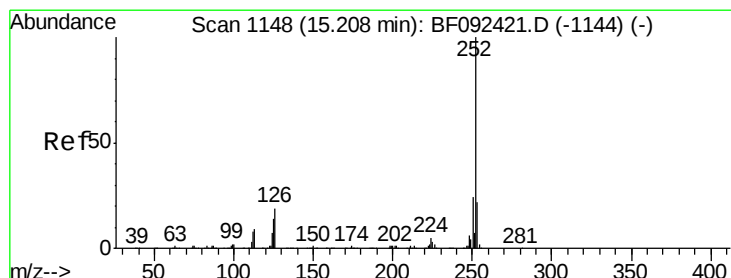
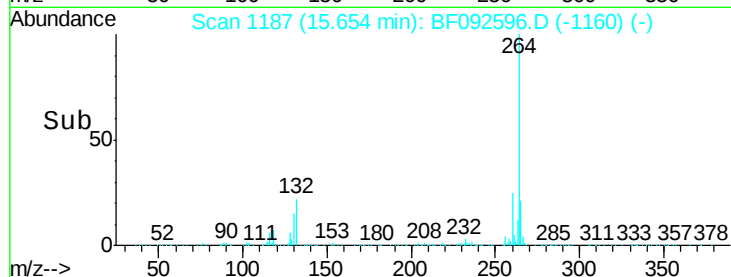
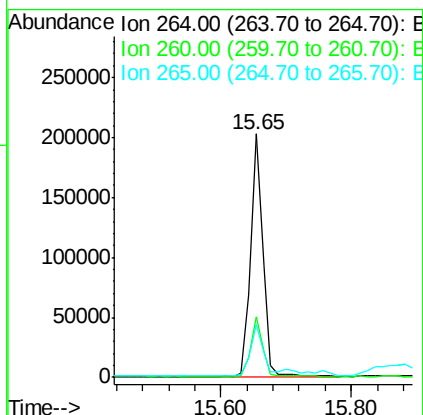
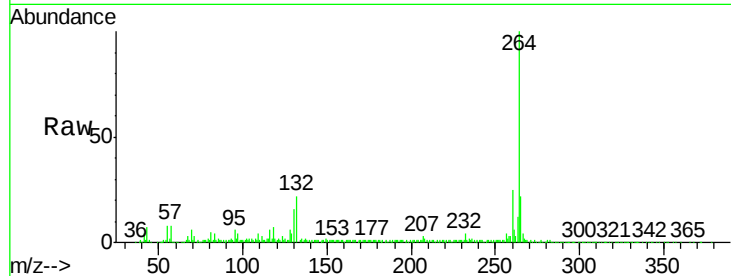




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

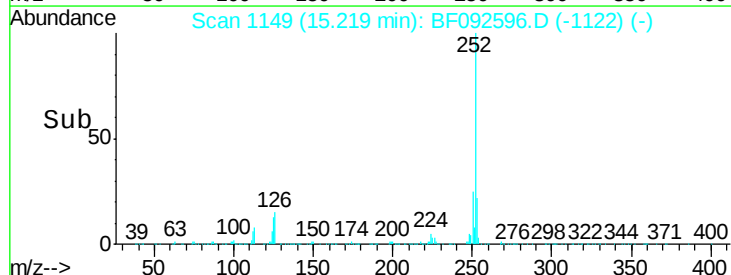
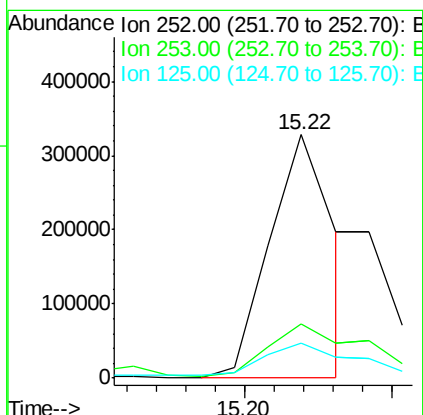
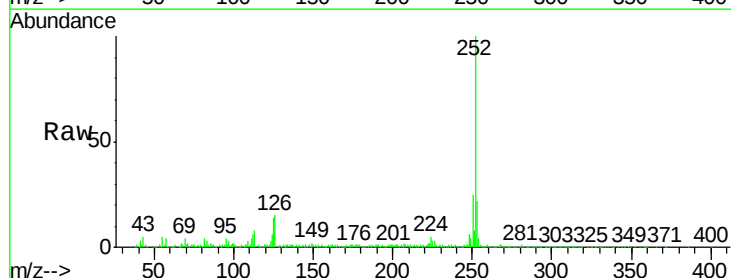
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S2C2

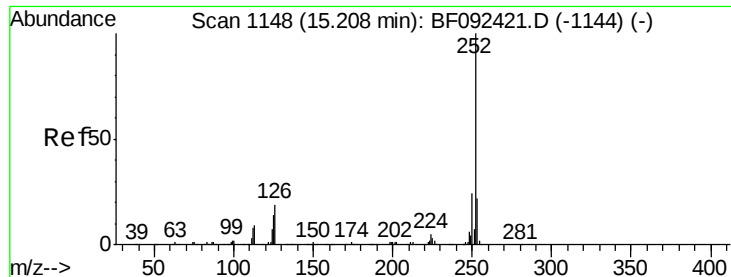
Tgt Ion:264 Resp: 266003
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 21.9 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 28.86 ng m
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092596.D
Acq: 28 Jan 2017 00:38

Tgt Ion:252 Resp: 492848
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 14.1 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 13.72 ng m

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

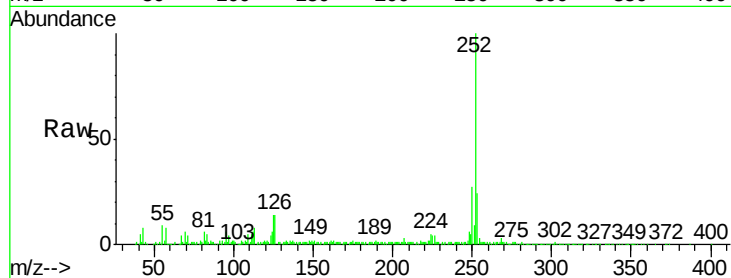
Tgt Ion:252 Resp: 194846

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

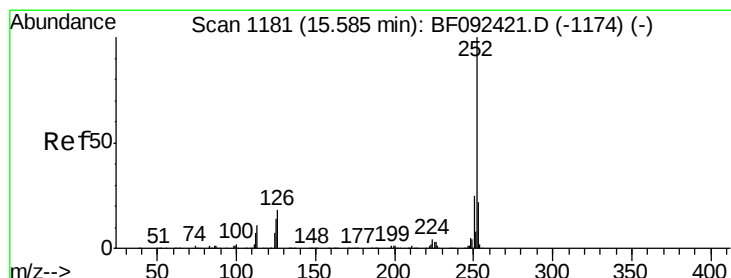
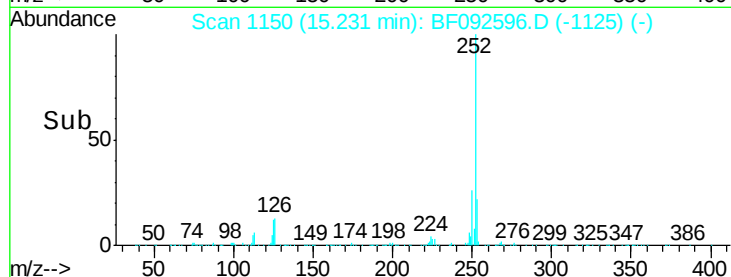
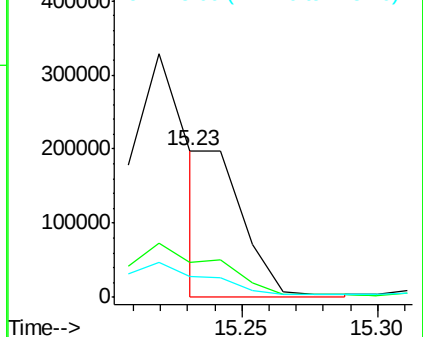
125 13.8 8.9 13.3#



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: 24.95 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

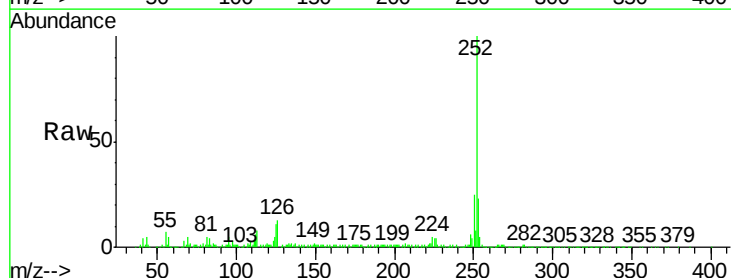
Tgt Ion:252 Resp: 360495

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

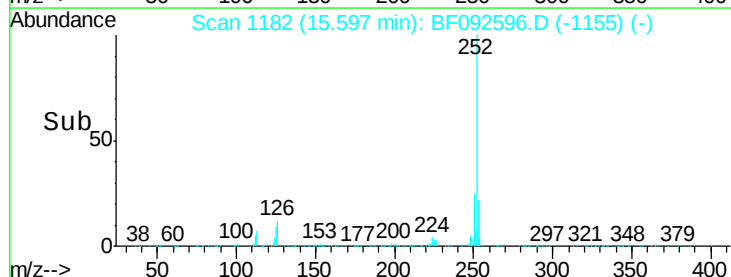
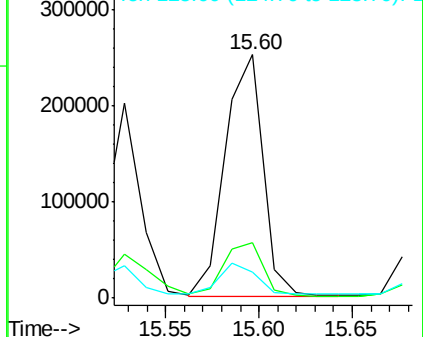
125 10.6 10.0 15.0

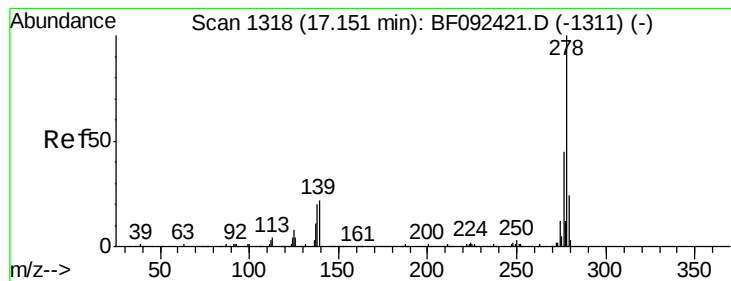


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.69 ng

RT: 17.16 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S2C2

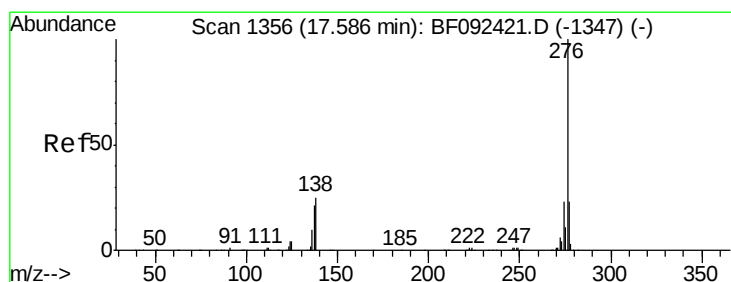
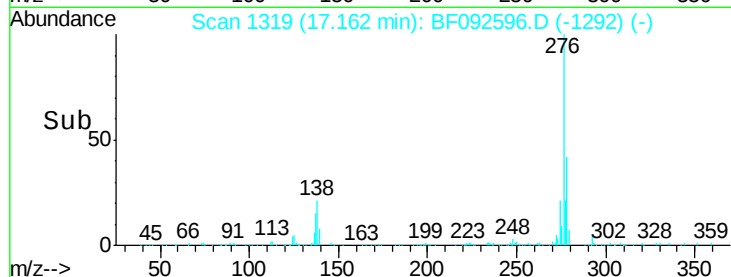
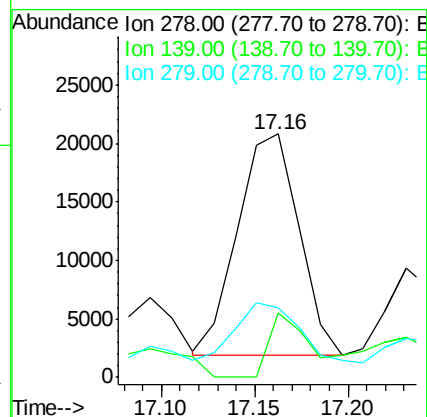
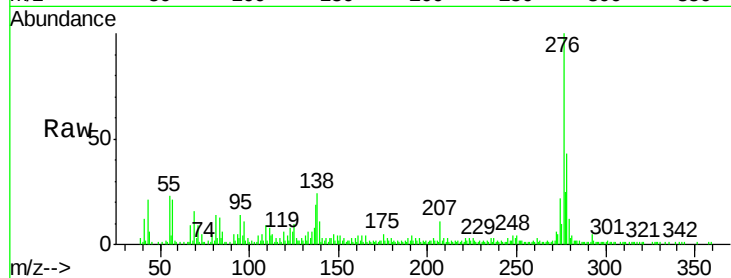
Tgt Ion:278 Resp: 43140

Ion Ratio Lower Upper

278 100

139 26.3 14.8 22.2#

279 28.4 19.8 29.6



#91

Benzo(g,h,i)perylene

Concen: 14.88 ng

RT: 17.60 min Scan# 1357

Delta R.T. 0.01 min

Lab File: BF092596.D

Acq: 28 Jan 2017 00:38

Tgt Ion:276 Resp: 175803

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 30.5 16.0 24.0#

