

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092595.D
 Acq On : 28 Jan 2017 00:10
 Operator : SJ/MA
 Sample : I1531-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

Quant Time: Jan 28 04:41:37 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

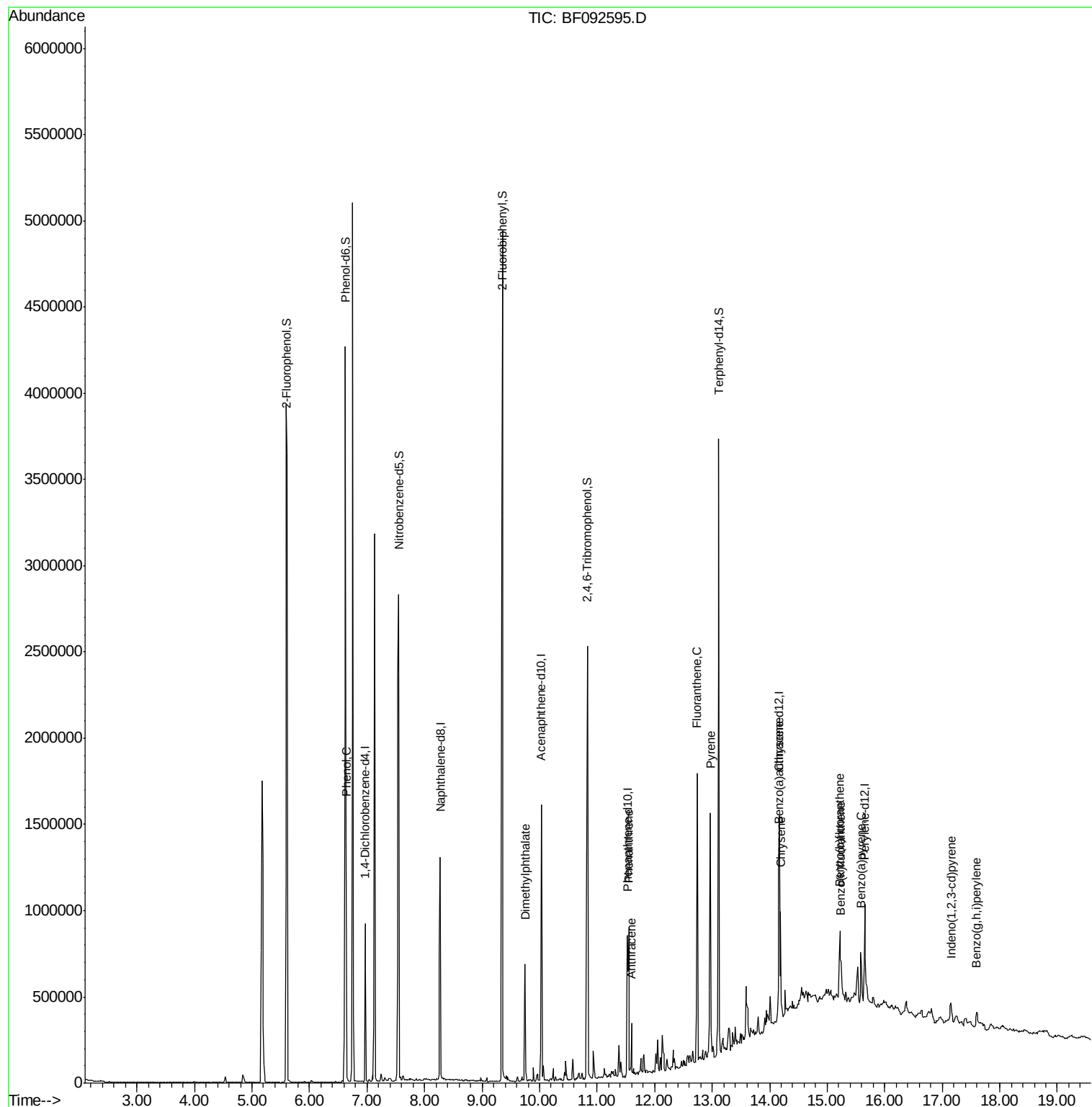
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	176604m	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	713787	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	327493	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	460223	20.00	ng	0.00
75) Chrysene-d12	14.17	240	360695	20.00	ng	0.00
86) Perylene-d12	15.65	264	281855	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1713654	150.97	ng	0.06
7) Phenol-d6	6.62	99	1871476	129.44	ng	0.03
23) Nitrobenzene-d5	7.55	82	1359429	104.04	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	315409	141.33	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	2122651	119.85	ng	0.00
78) Terphenyl-d14	13.12	244	1377461	101.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.64	94	82051	4.70	ng	86
49) Dimethylphthalate	9.74	163	272289	13.07	ng	99
70) Phenanthrene	11.55	178	429500	16.95	ng	98
71) Anthracene	11.60	178	117266	4.73	ng	97
74) Fluoranthene	12.74	202	620316	25.02	ng	96
77) Pyrene	12.97	202	563298	21.55	ng	99
80) Benzo(a)anthracene	14.16	228	245733m	12.68	ng	
82) Chrysene	14.19	228	241647m	11.67	ng	
85) Indeno(1,2,3-cd)pyrene	17.15	276	77269	5.04	ng	93
87) Benzo(b)fluoranthene	15.22	252	227024m	12.55	ng	
88) Benzo(k)fluoranthene	15.23	252	89395m	5.94	ng	
89) Benzo(a)pyrene	15.59	252	163538	10.68	ng	# 93
91) Benzo(g,h,i)perylene	17.60	276	72839	5.82	ng	# 89

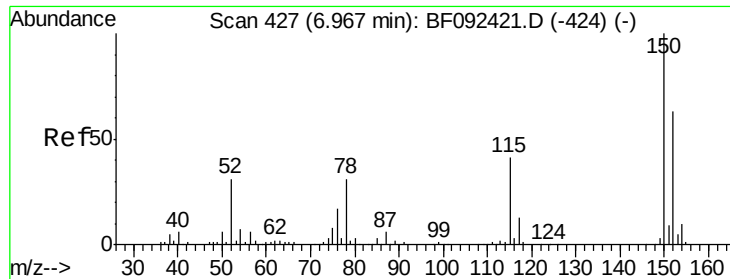
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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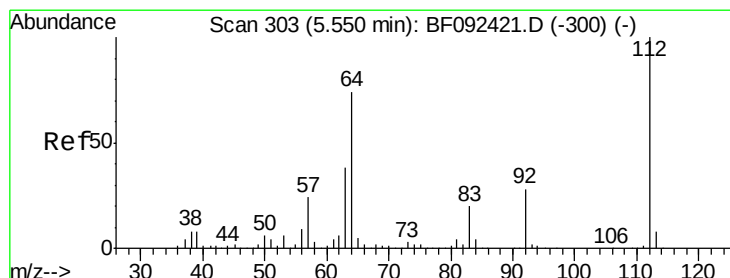
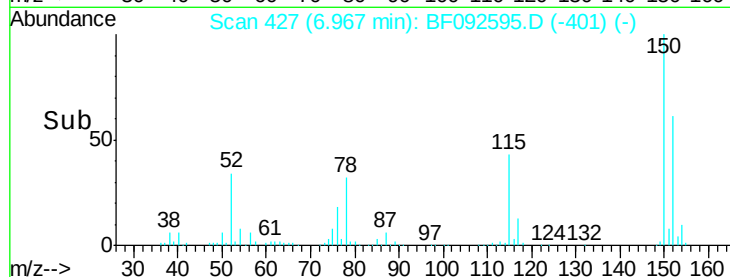
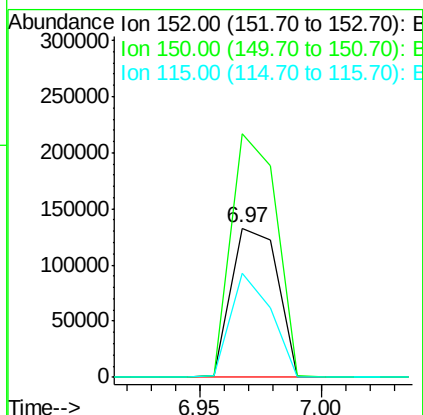
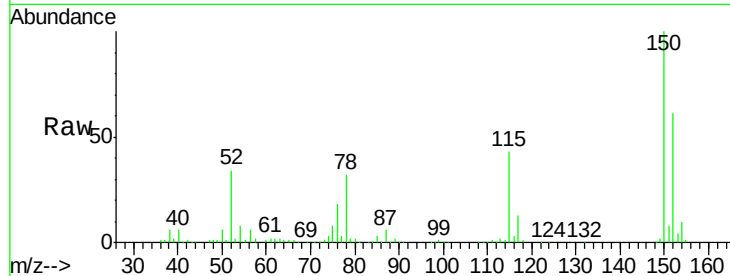




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.97 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

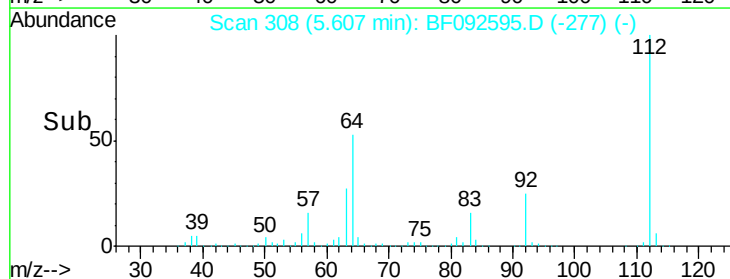
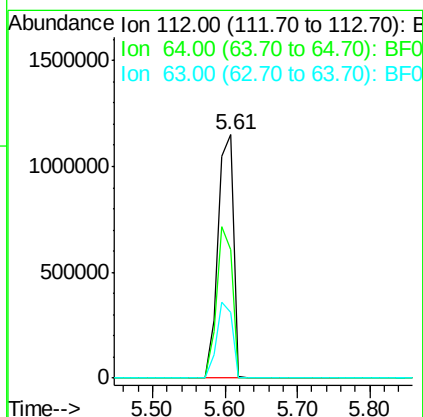
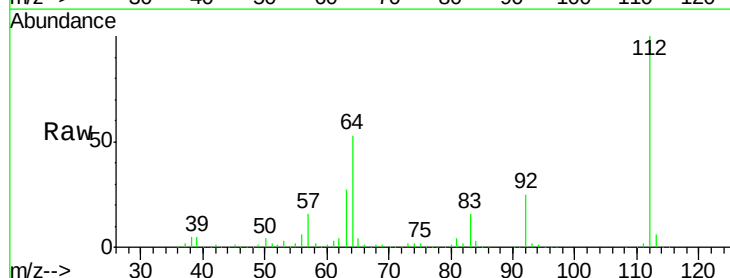
Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

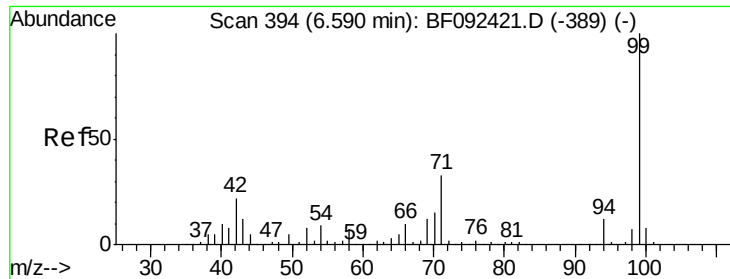
Tgt Ion:152 Resp: 176604
 Ion Ratio Lower Upper
 152 100
 150 163.4 124.9 187.3
 115 70.2 46.0 69.0#



#5
 2-Fluorophenol
 Concen: 150.97 ng
 RT: 5.61 min Scan# 308
 Delta R.T. 0.06 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Tgt Ion:112 Resp: 1713654
 Ion Ratio Lower Upper
 112 100
 64 52.6 46.1 69.1
 63 26.9 23.8 35.6





#7

Phenol-d6

Concen: 129.44 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

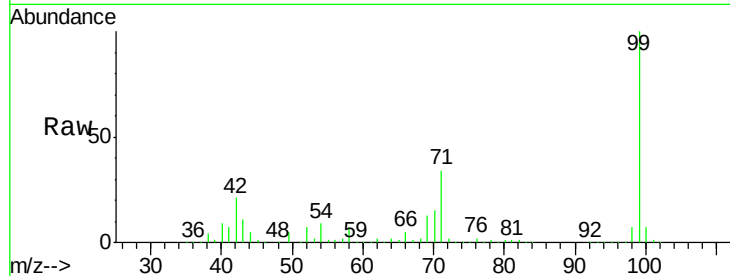
Tgt Ion: 99 Resp: 1871476

Ion Ratio Lower Upper

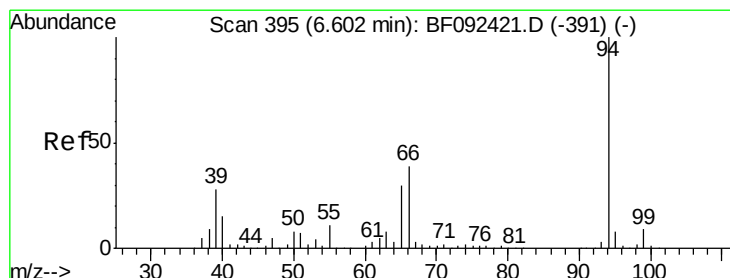
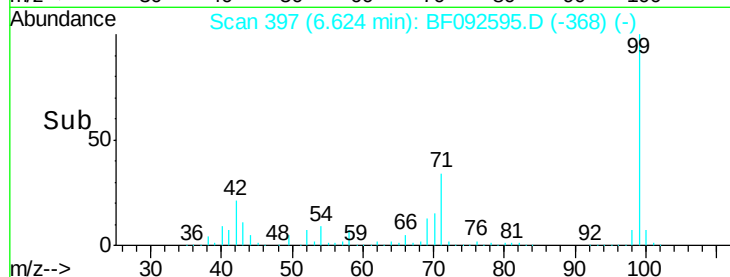
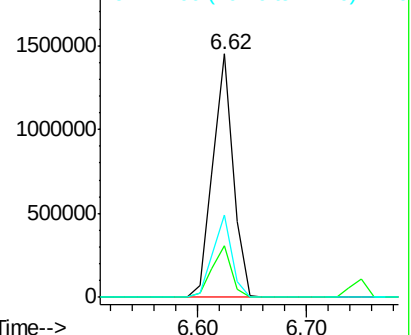
99 100

42 21.4 15.6 23.4

71 33.6 27.5 41.3



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: 4.70 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.03 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

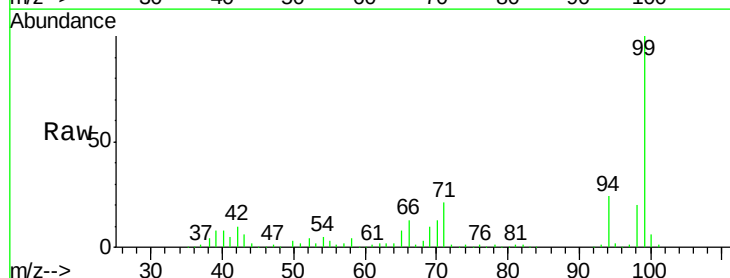
Tgt Ion: 94 Resp: 82051

Ion Ratio Lower Upper

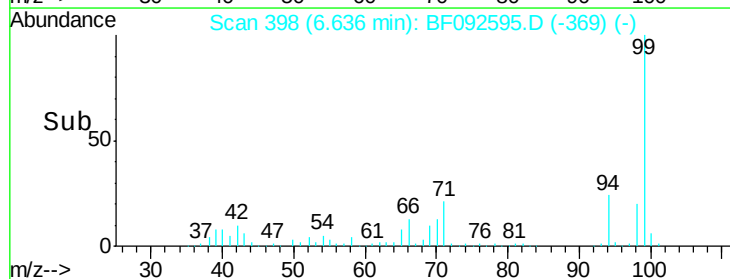
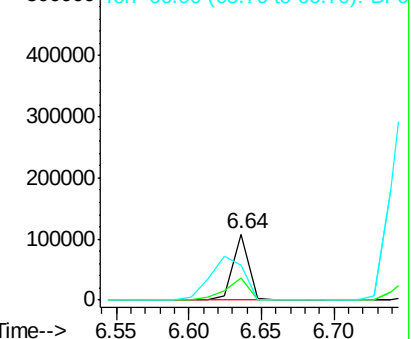
94 100

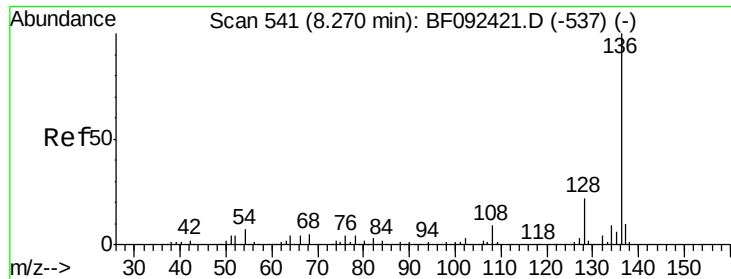
65 33.9 21.4 61.4

66 52.2 44.0 84.0



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

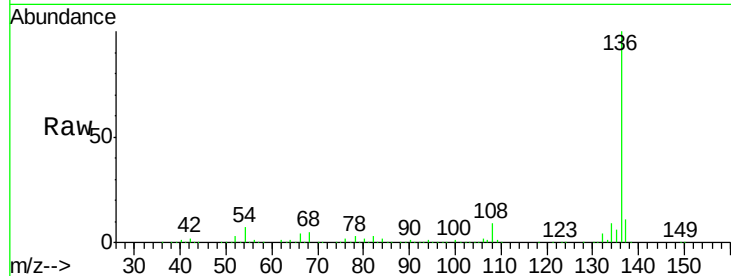




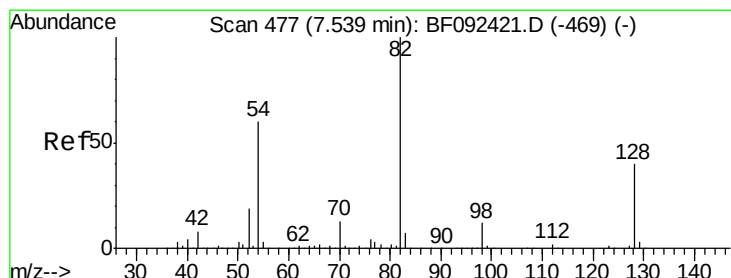
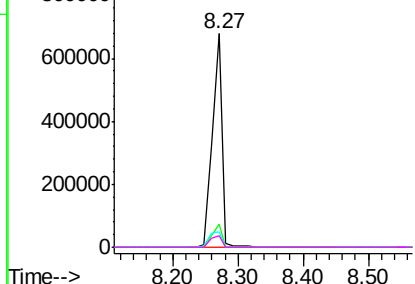
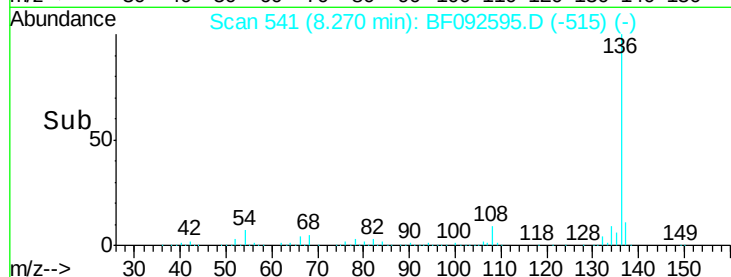
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S1C1

Tgt Ion:	136	Resp:	713787
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.4	4.5	6.7#
68	5.3	3.6	5.4

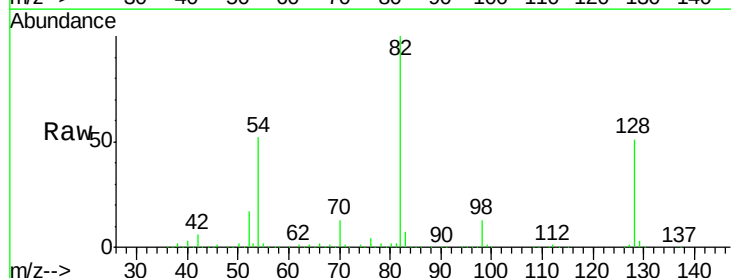


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

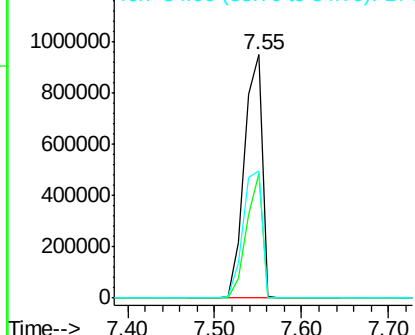
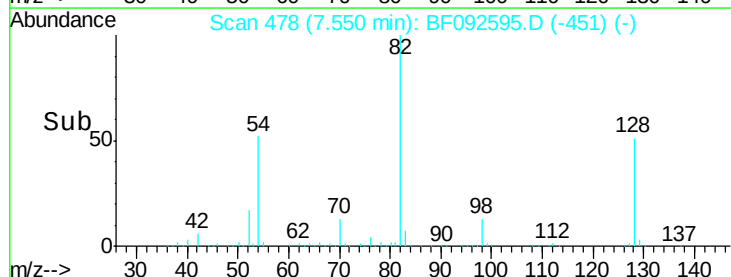


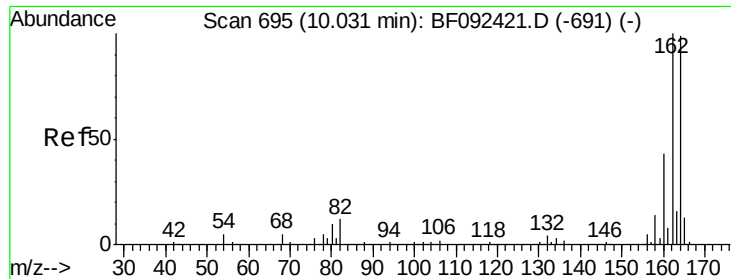
#23
Nitrobenzene-d5
Concen: 104.04 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

Tgt Ion:	82	Resp:	1359429
Ion	Ratio	Lower	Upper
82	100		
128	51.2	34.6	52.0
54	52.0	39.5	59.3



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: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

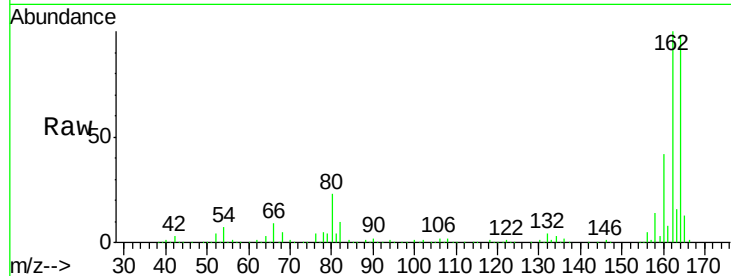
Tgt Ion:164 Resp: 327493

Ion Ratio Lower Upper

164 100

162 102.2 80.2 120.2

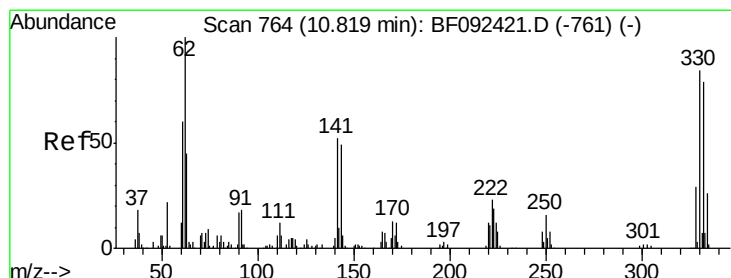
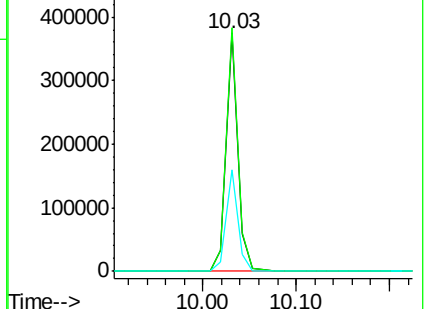
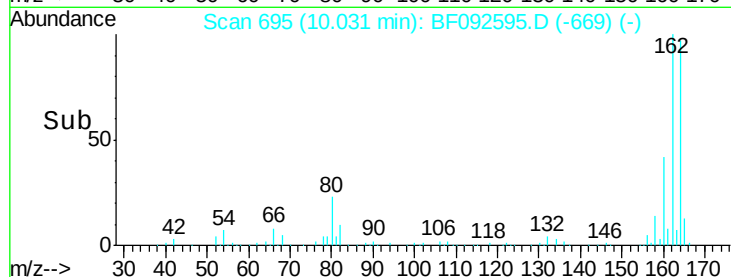
160 42.9 36.9 55.3



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: 141.33 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

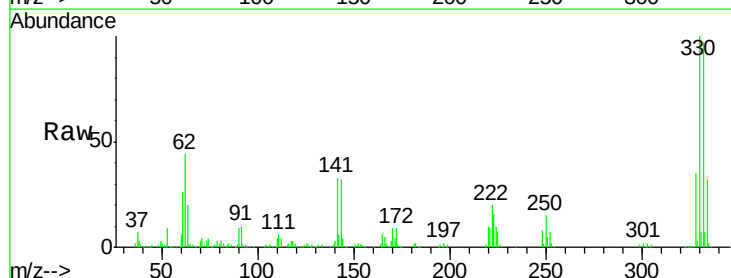
Tgt Ion:330 Resp: 315409

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

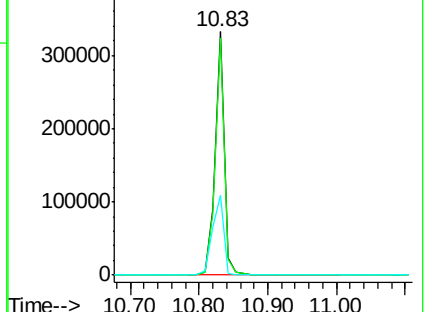
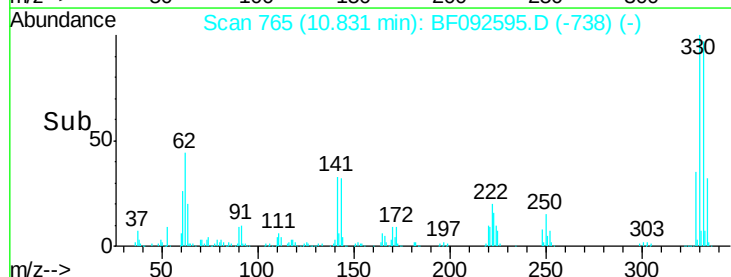
141 40.6 34.1 51.1

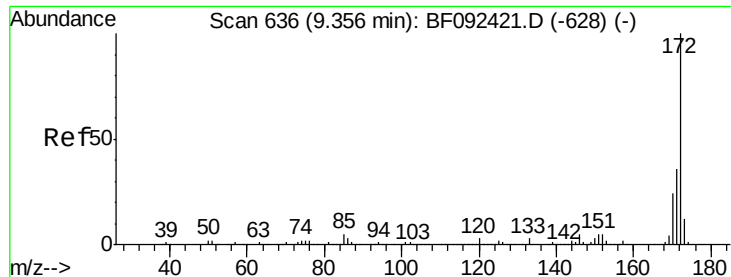


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

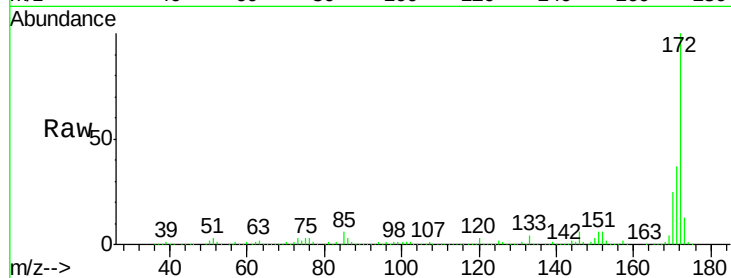




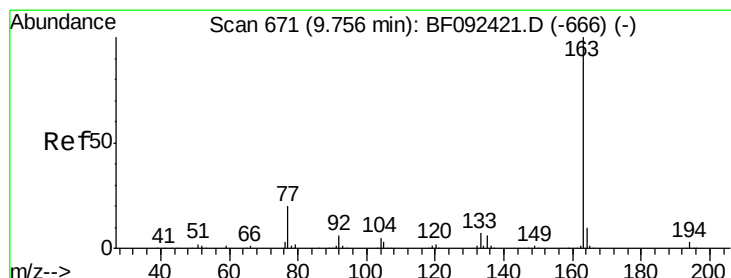
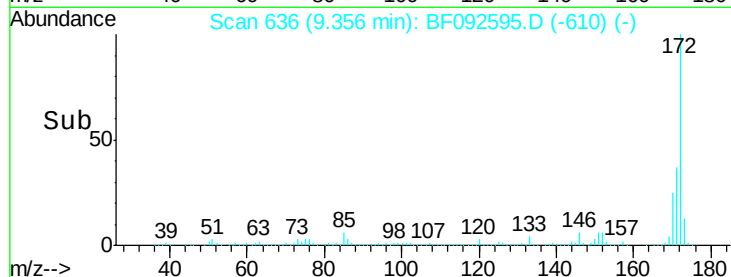
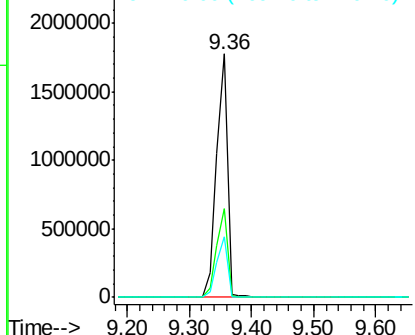
#44
 2-Fluorobiphenyl
 Concen: 119.85 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Instrument :
 BNA_F
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 EDC-HPRR-S1C1

Tgt Ion:172 Resp: 2122651
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.6 20.2 30.4

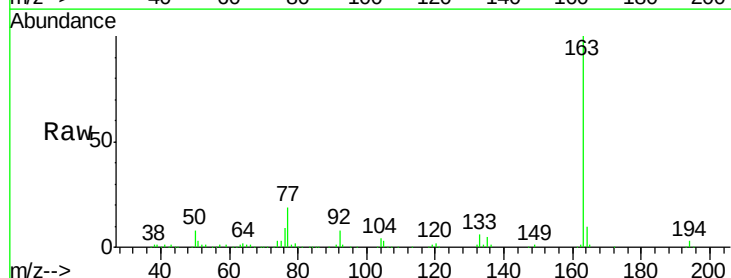


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

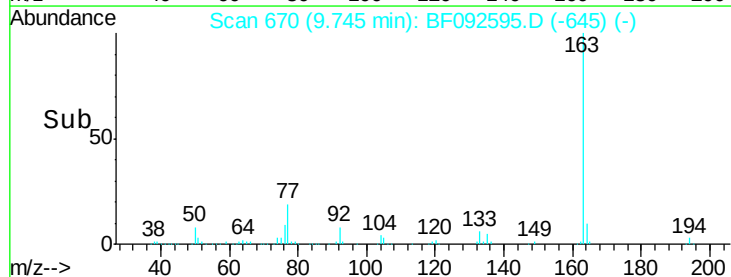
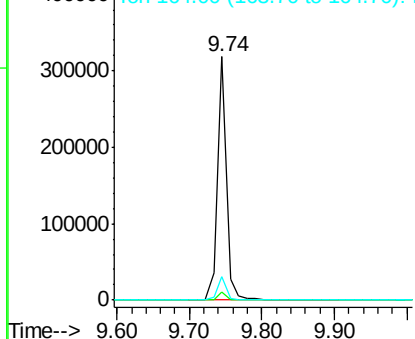


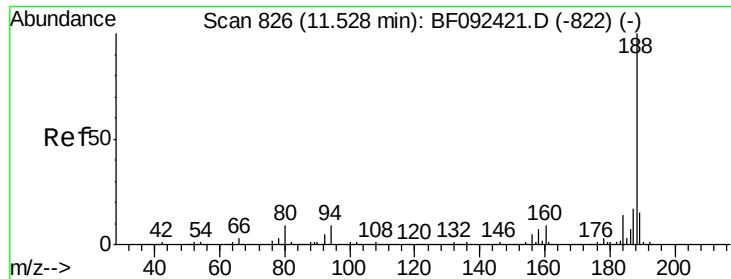
#49
 Dimethylphthalate
 Concen: 13.07 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Tgt Ion:163 Resp: 272289
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 9.6 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

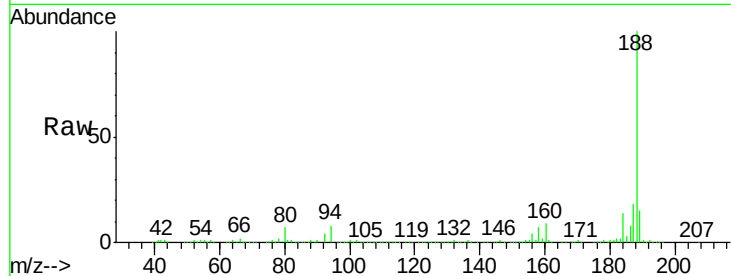




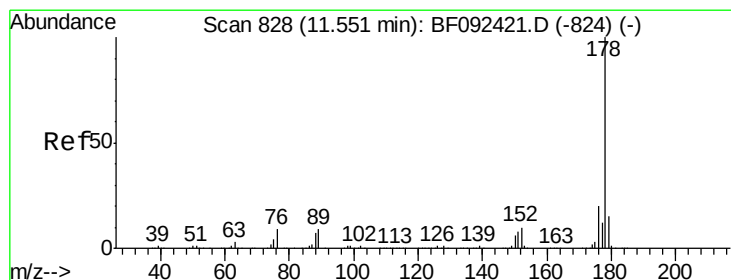
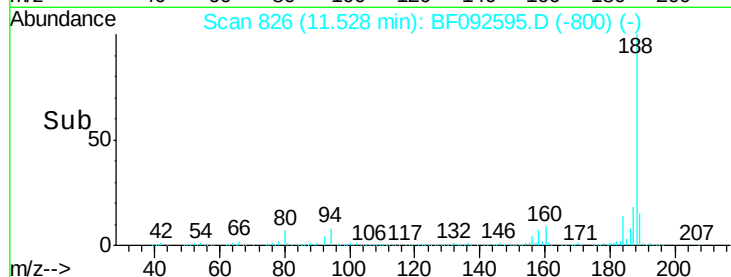
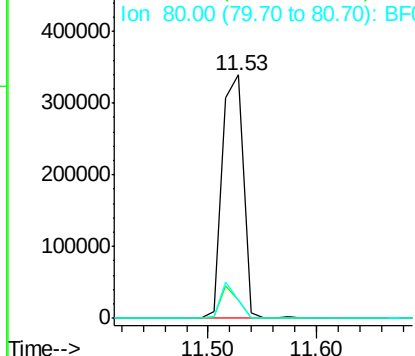
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S1C1

Tgt Ion:188 Resp: 460223
Ion Ratio Lower Upper
188 100
94 7.5 10.0 15.0#
80 7.5 11.2 16.8#

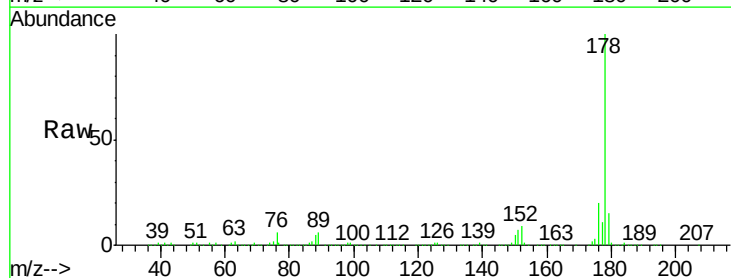


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

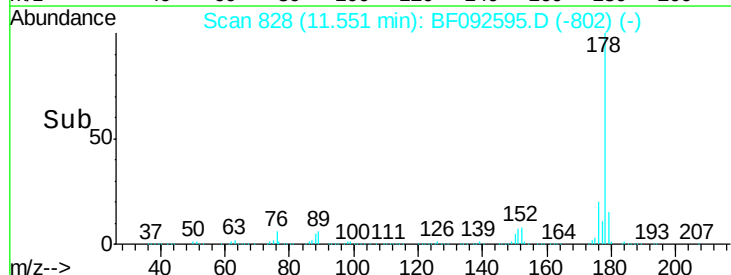
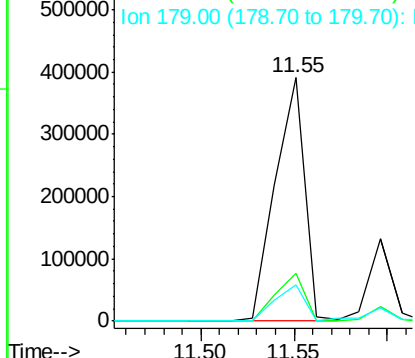


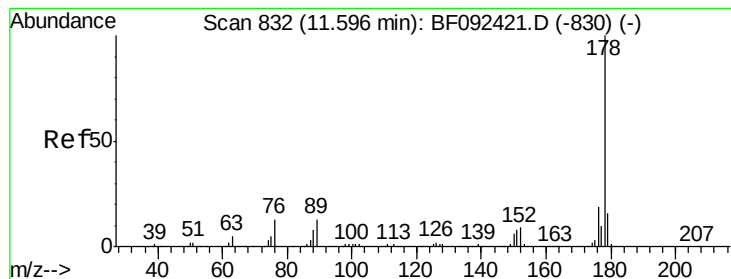
#70
Phenanthrene
Concen: 16.95 ng
RT: 11.55 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

Tgt Ion:178 Resp: 429500
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.1 12.8 19.2



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: 4.73 ng

RT: 11.60 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

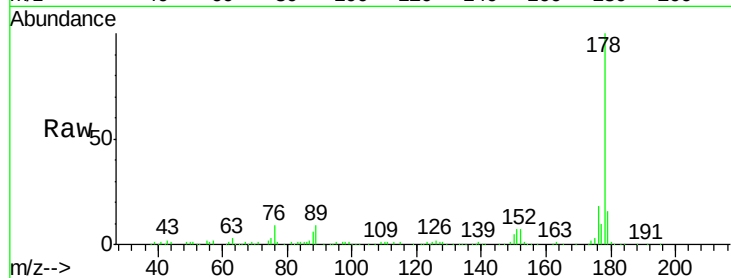
Tgt Ion:178 Resp: 117266

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

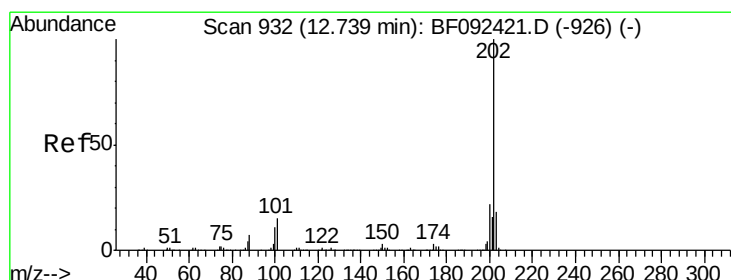
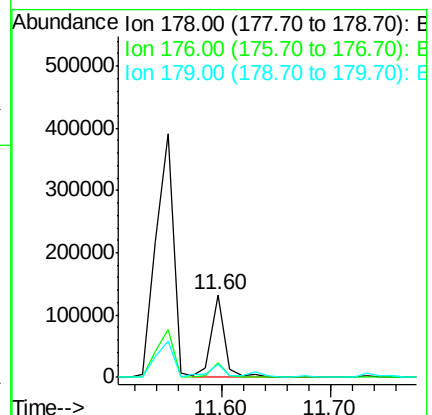
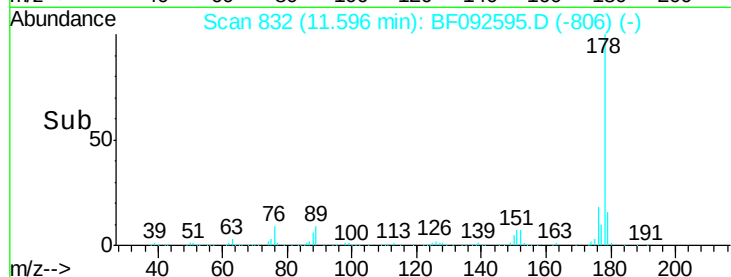
179 15.9 13.2 19.8



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: 25.02 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

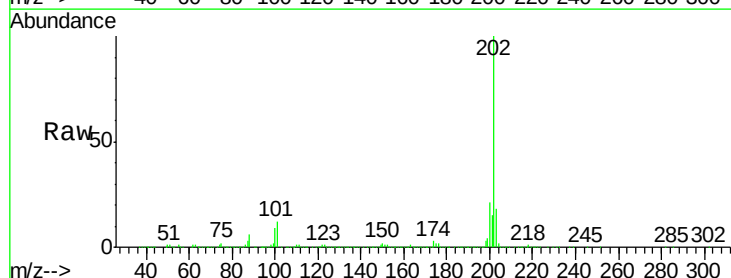
Tgt Ion:202 Resp: 620316

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.6

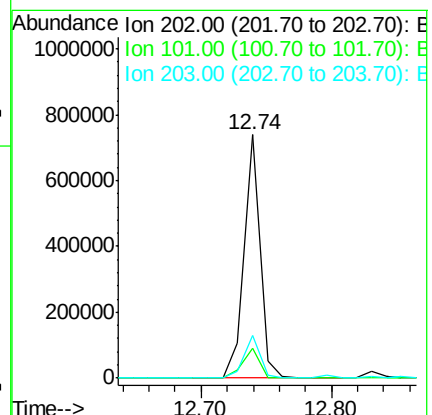
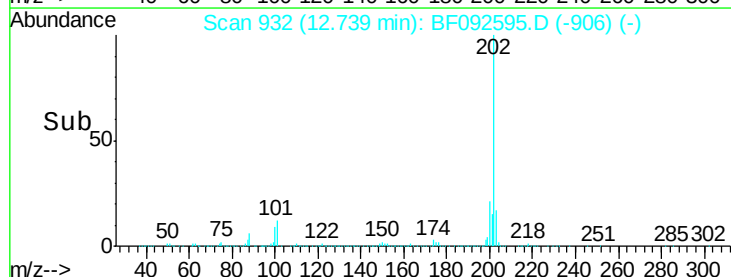
203 17.5 0.0 38.7

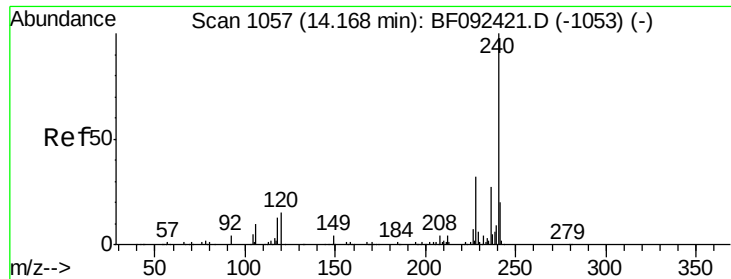


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

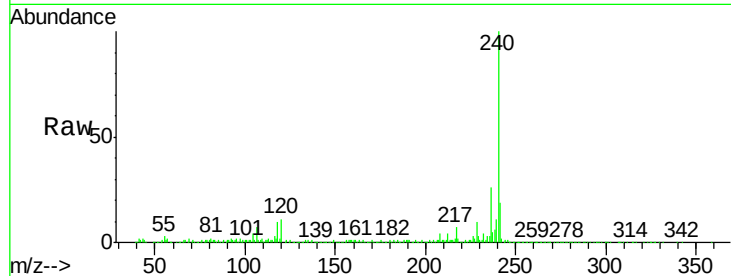
Tgt Ion:240 Resp: 360695

Ion Ratio Lower Upper

240 100

120 10.7 12.9 19.3#

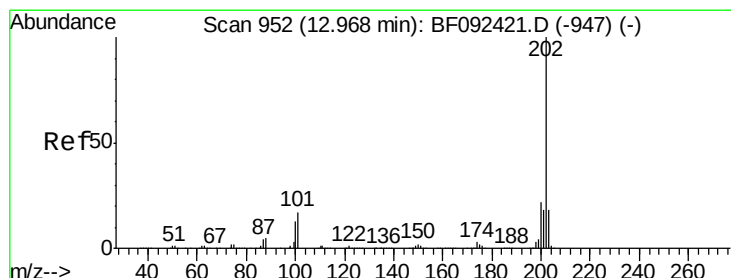
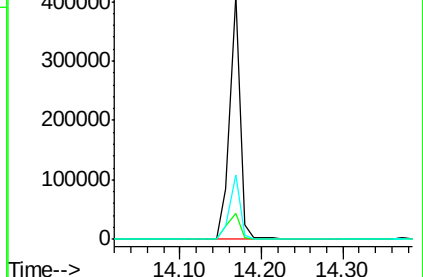
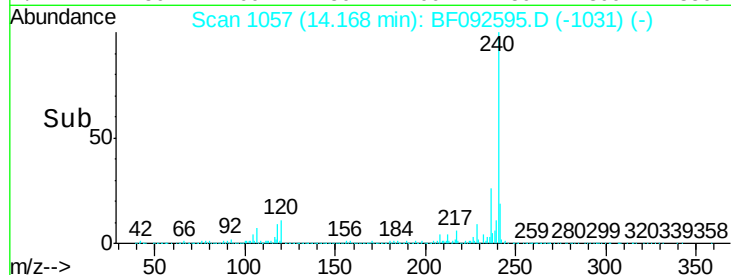
236 26.2 20.9 31.3



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: 21.55 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

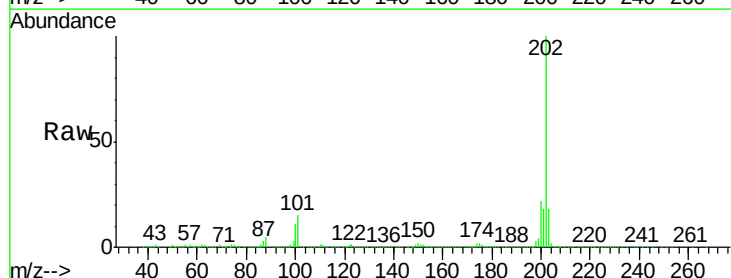
Tgt Ion:202 Resp: 563298

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

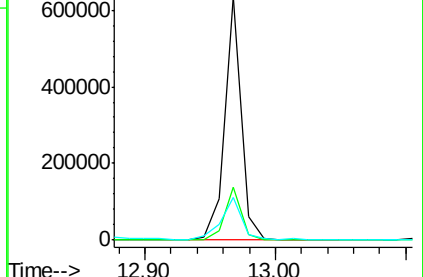
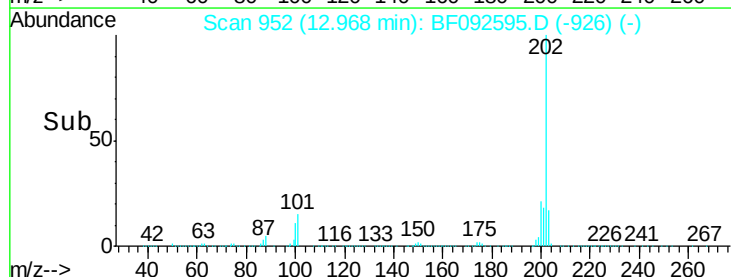
203 17.8 14.7 22.1

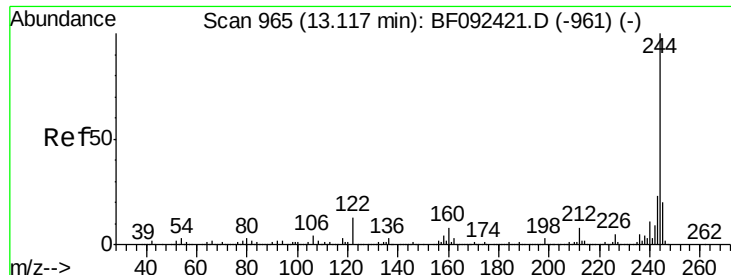


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.69 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

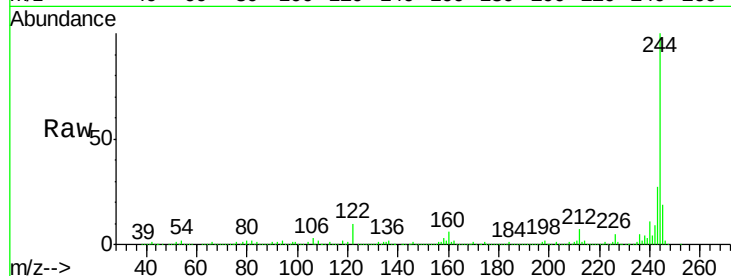
Tgt Ion:244 Resp: 1377461

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

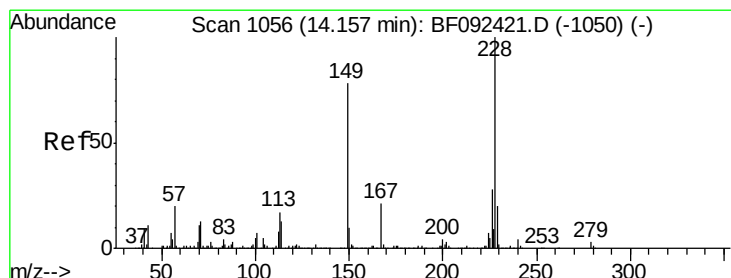
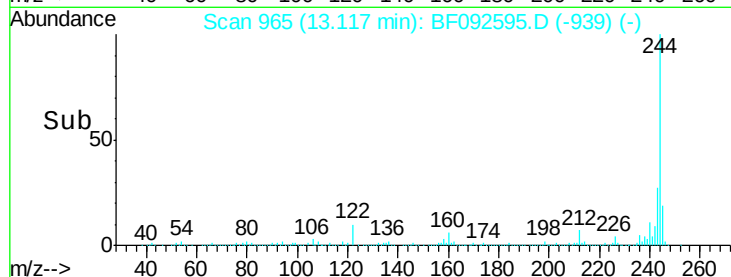
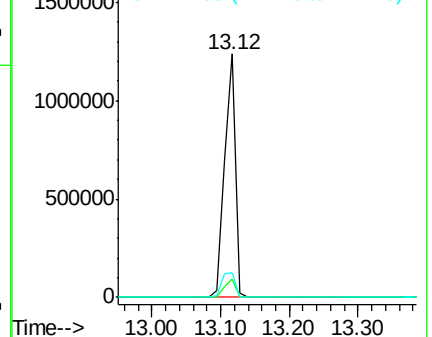
122 10.0 11.4 17.2#



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: 12.68 ng m

RT: 14.16 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

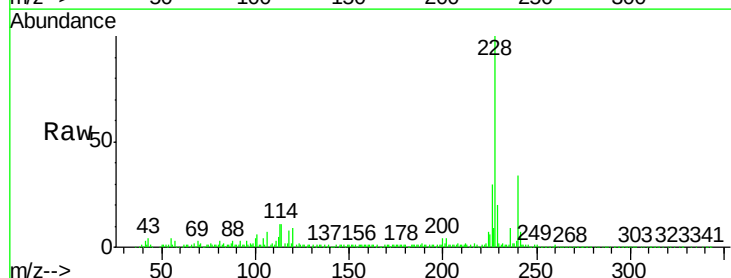
Tgt Ion:228 Resp: 245733

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

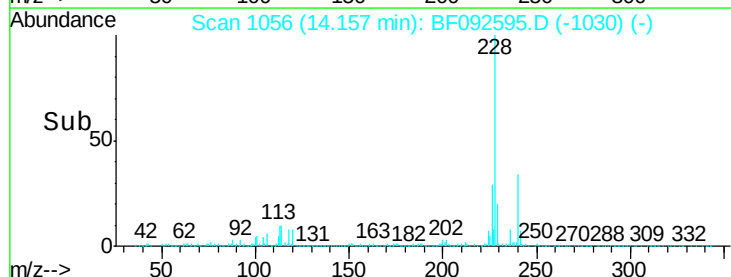
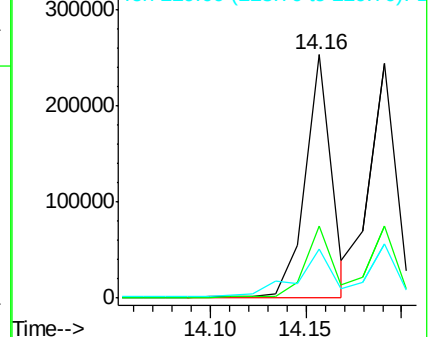
229 20.2 16.2 24.4

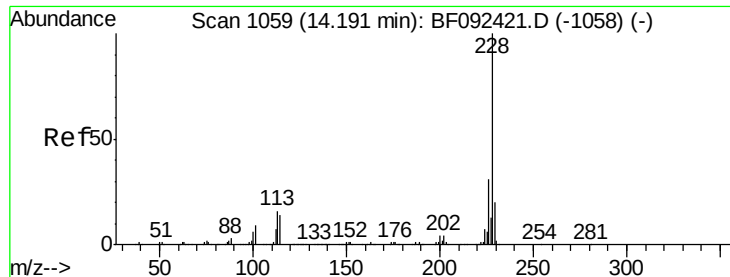


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.67 ng m

RT: 14.19 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

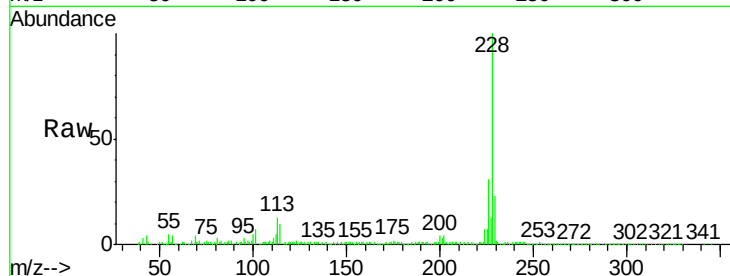
Tgt Ion:228 Resp: 241647

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

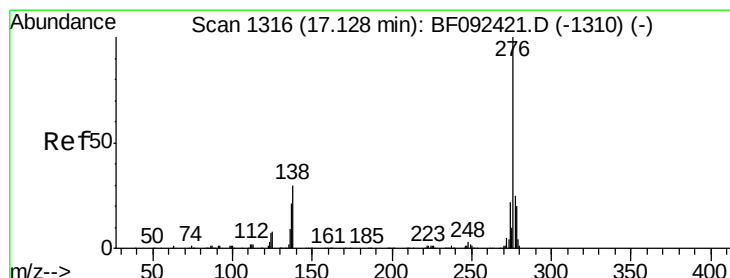
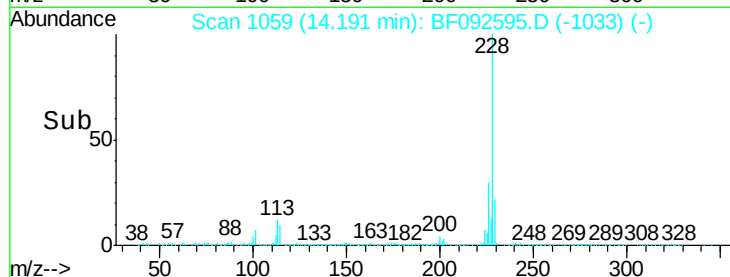
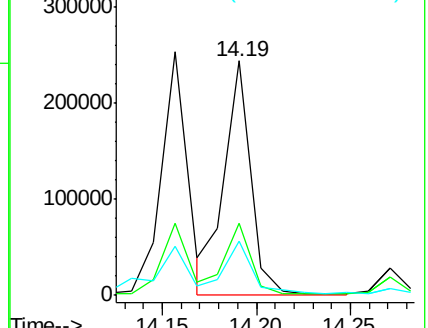
229 23.1 16.2 24.2



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: 5.04 ng

RT: 17.15 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

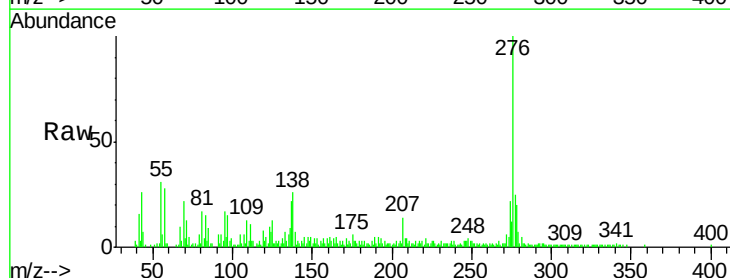
Tgt Ion:276 Resp: 77269

Ion Ratio Lower Upper

276 100

138 29.7 21.8 32.6

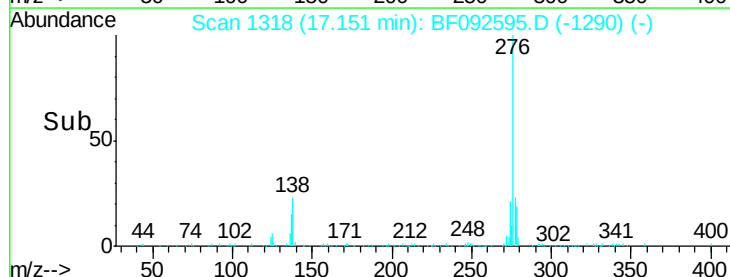
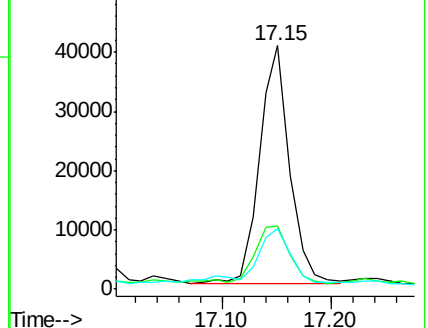
277 30.1 20.2 30.4

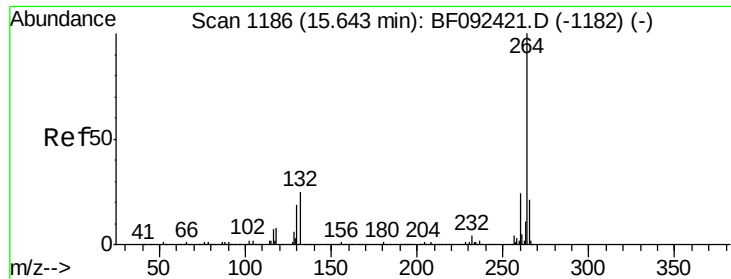


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

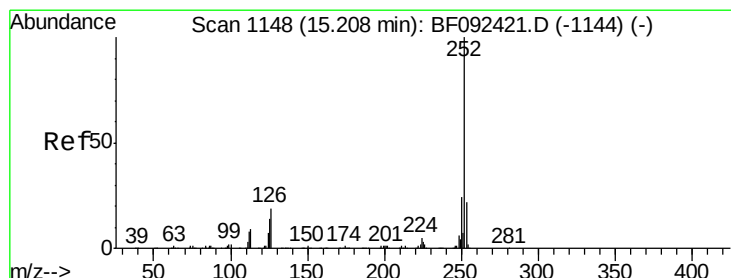
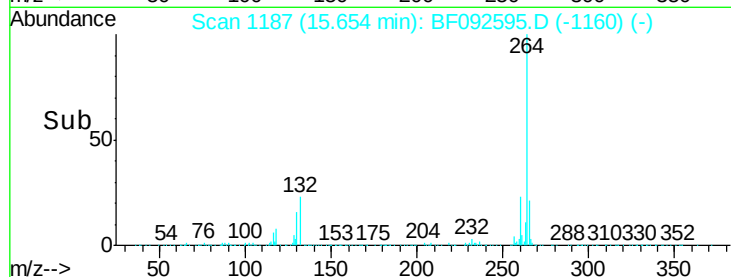
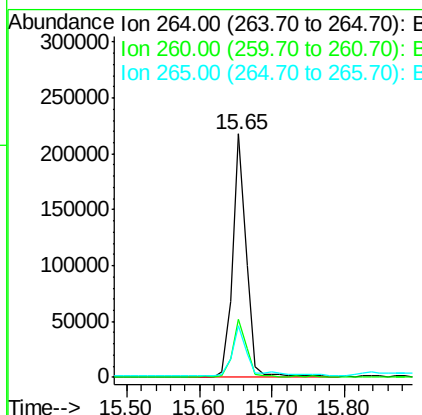
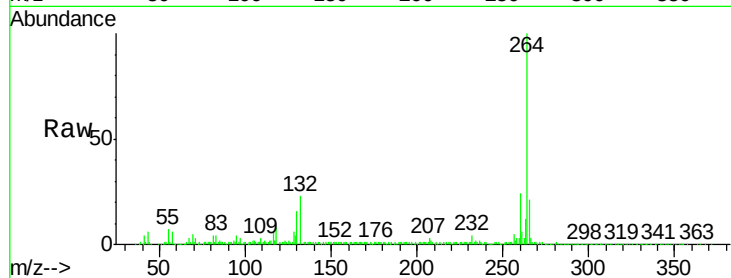




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

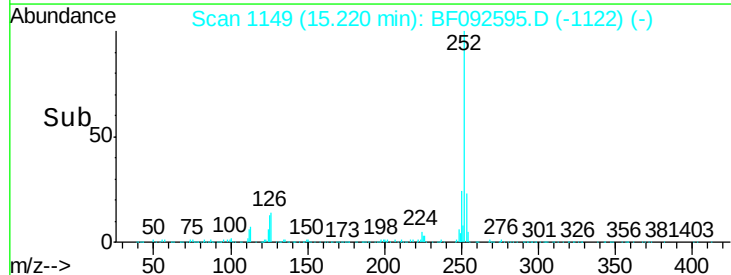
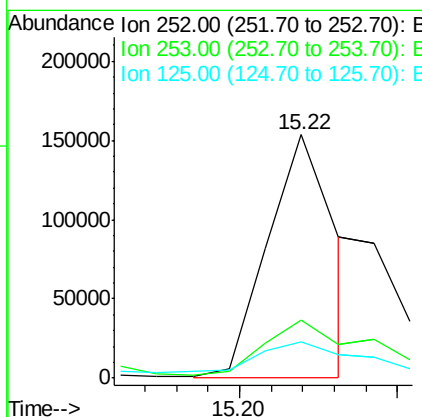
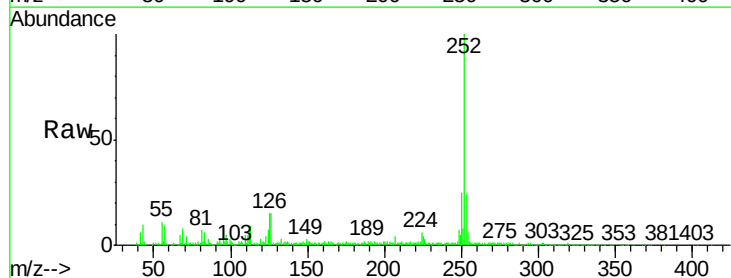
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S1C1

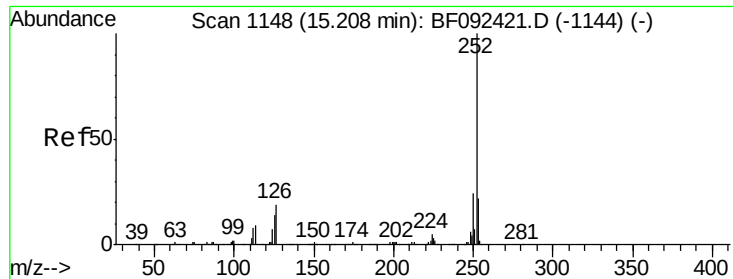
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 12.55 ng m
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092595.D
Acq: 28 Jan 2017 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	14.8	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 5.94 ng m

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

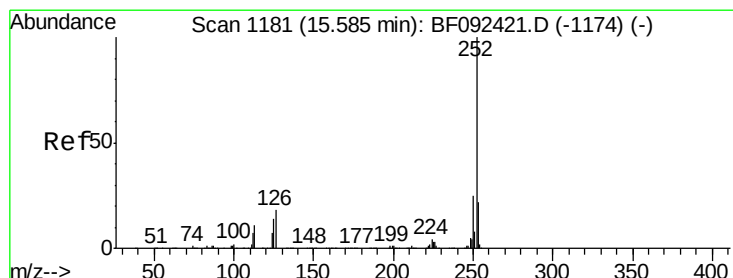
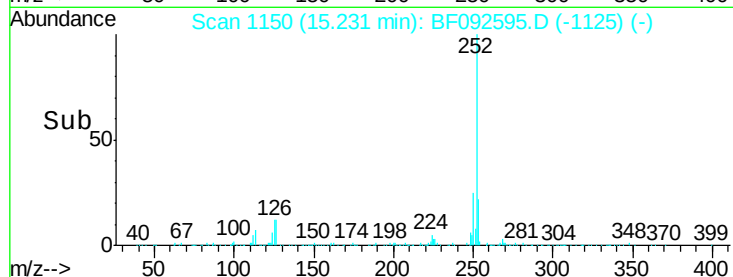
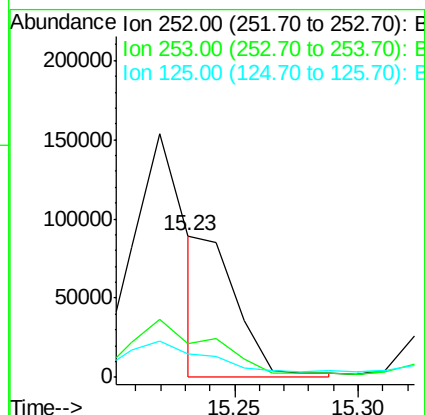
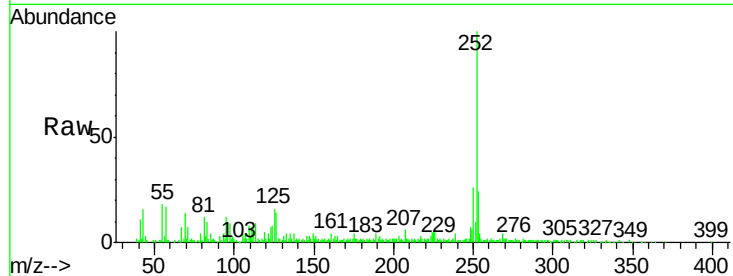
Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

Tgt Ion:	252	Resp:	89395
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.5	27.7
125	16.3	8.9	13.3#



#89

Benzo(a)pyrene

Concen: 10.68 ng

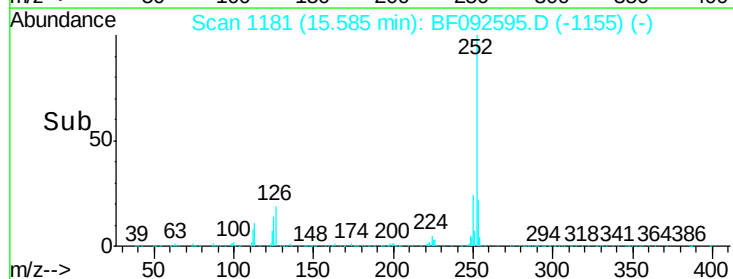
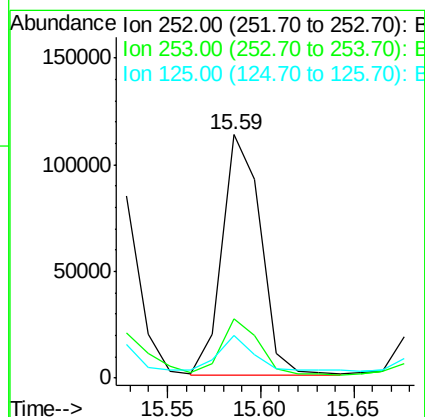
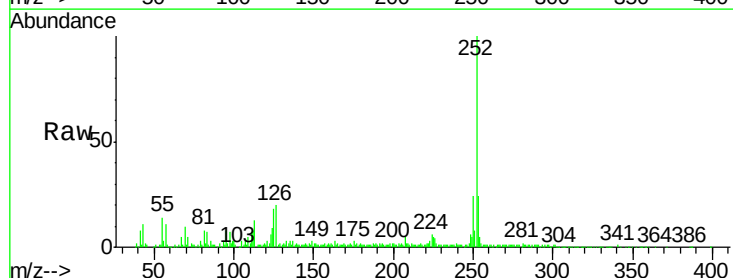
RT: 15.59 min Scan# 1181

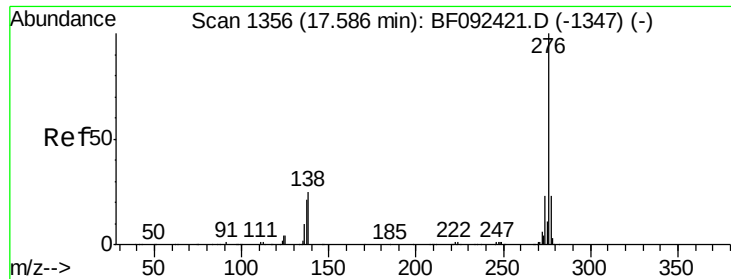
Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Tgt Ion:	252	Resp:	163538
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	17.5	10.0	15.0#





#91

Benzo(g,h,i)perylene

Concen: 5.82 ng

RT: 17.60 min Scan# 1357

Delta R.T. 0.01 min

Lab File: BF092595.D

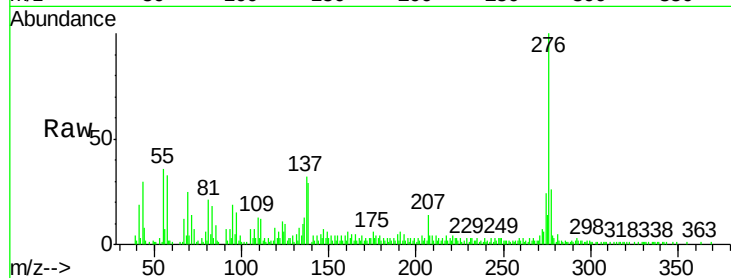
Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1



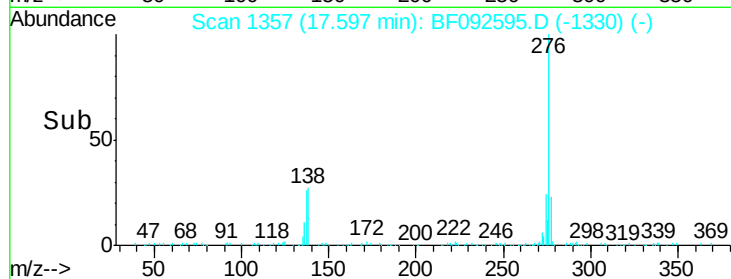
Tgt Ion: 276 Resp: 72839

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 28.9 16.0 24.0#



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

