

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 04:14:15 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	7.14	152	756052	20.00	ng	0.17
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	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1713654	35.26	ng	0.06
7) Phenol-d6	6.62	99	1871476	30.23	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

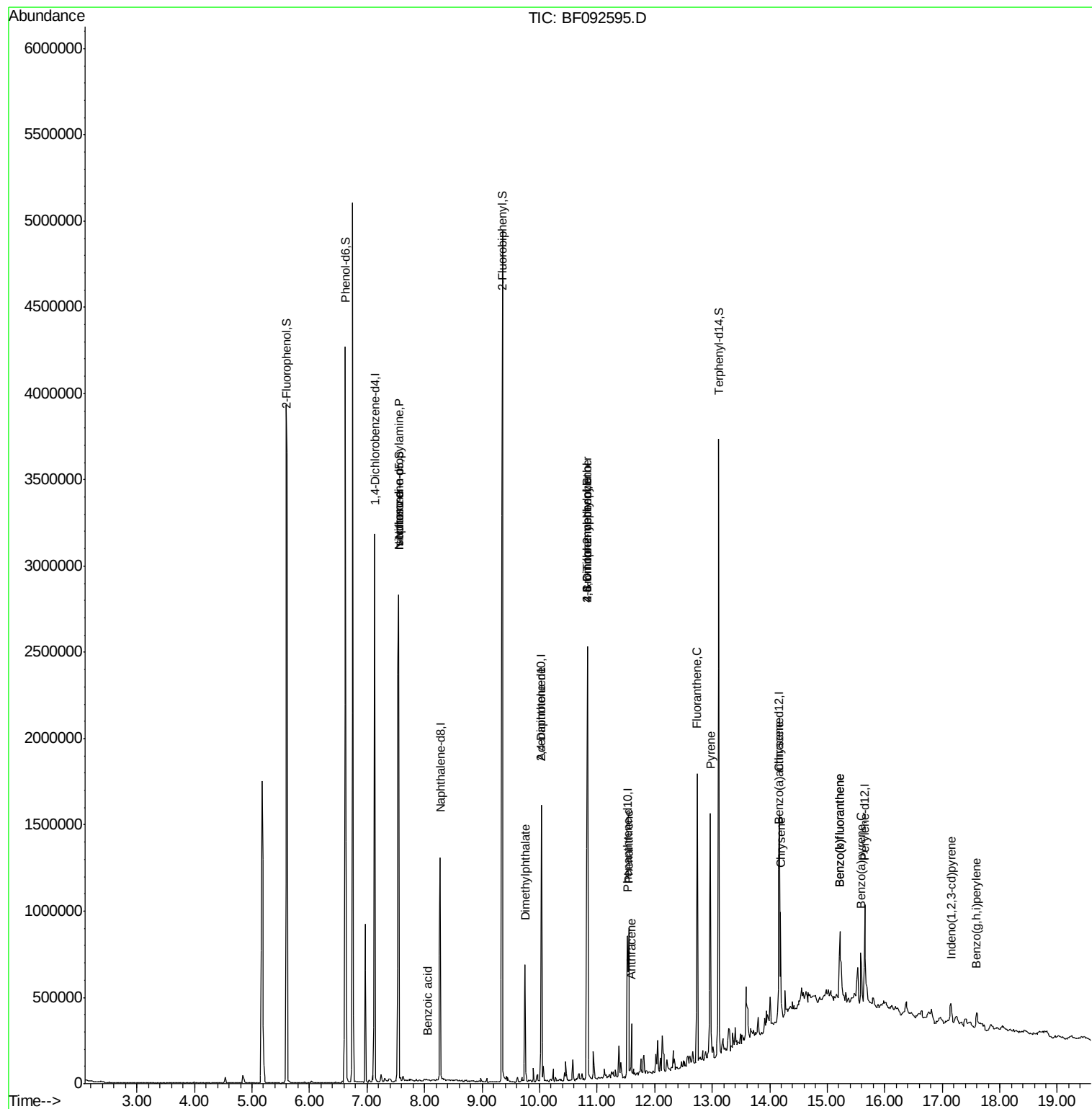
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	182611	4.33	ng	# 77
25) Isophorone	7.55	82	1200069	46.61	ng	# 65
32) Benzoic acid	8.05	122	635	4.76	ng	# 24
49) Dimethylphthalate	9.74	163	272289	13.07	ng	99
56) 2,4-Dinitrotoluene	10.03	165	44075	7.80	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.83	198	673	5.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	24961	5.37	ng	# 1
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	290449	14.98	ng	98
82) Chrysene	14.19	228	189246	9.14	ng	97
85) Indeno(1,2,3-cd)pyrene	17.15	276	77269	5.04	ng	93
87) Benzo(b)fluoranthene	15.22	252	311550	17.22	ng	# 96
88) Benzo(k)fluoranthene	15.22	252	311550	20.71	ng	# 96
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

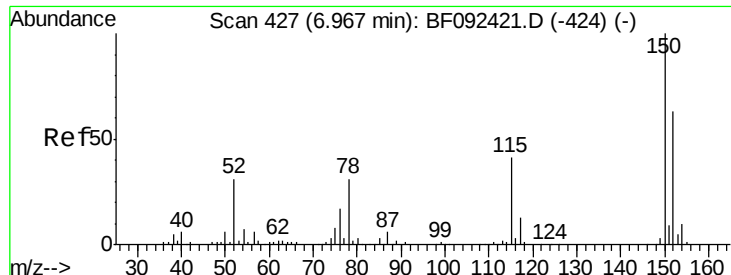
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 04:14:15 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.17 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

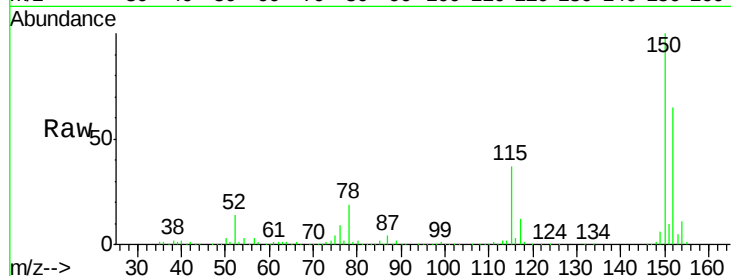
Tgt Ion:152 Resp: 756052

Ion Ratio Lower Upper

152 100

150 154.3 124.9 187.3

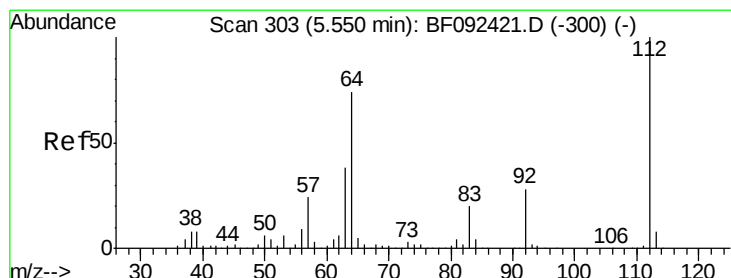
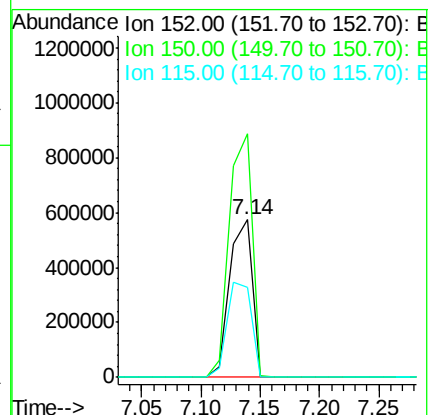
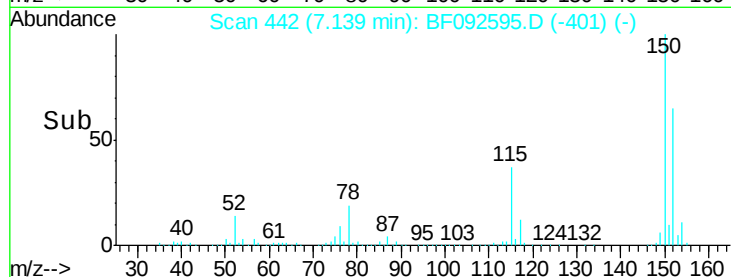
115 56.8 46.0 69.0



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: 35.26 ng

RT: 5.61 min Scan# 308

Delta R.T. 0.06 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

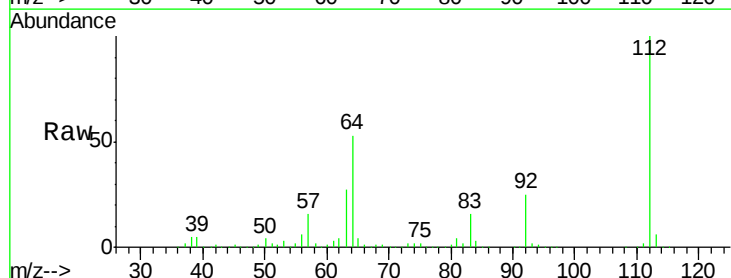
Tgt Ion:112 Resp: 1713654

Ion Ratio Lower Upper

112 100

64 52.6 46.1 69.1

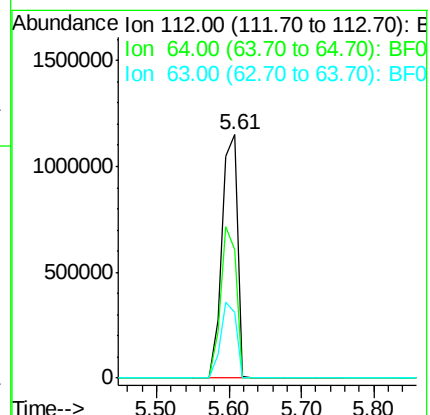
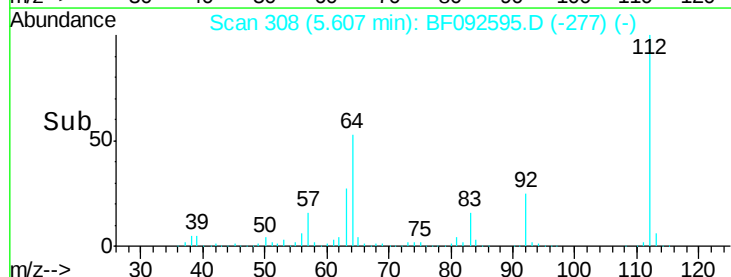
63 26.9 23.8 35.6

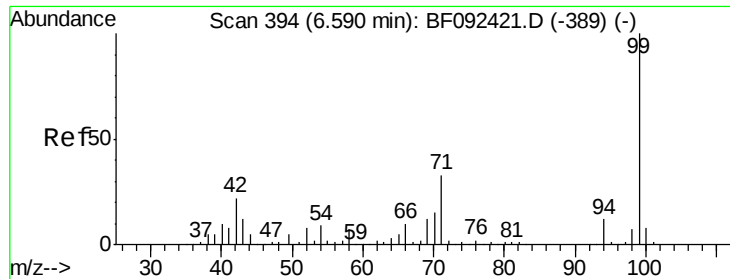


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.23 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

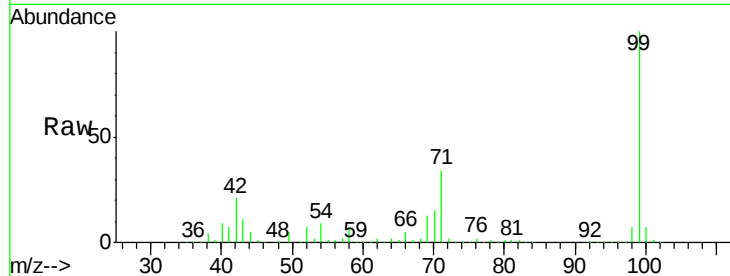
Tgt Ion: 99 Resp: 1871476

Ion Ratio Lower Upper

99 100

42 21.4 15.6 23.4

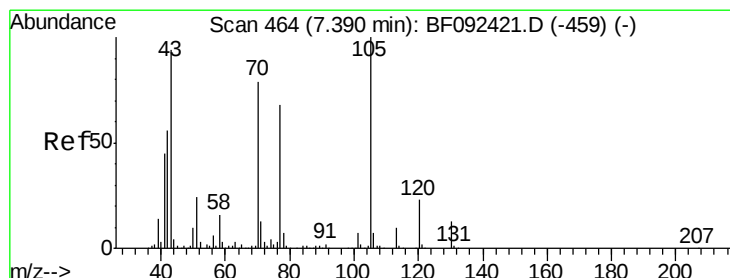
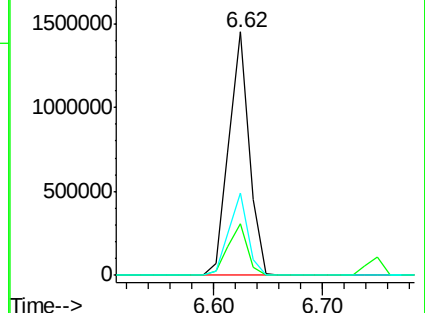
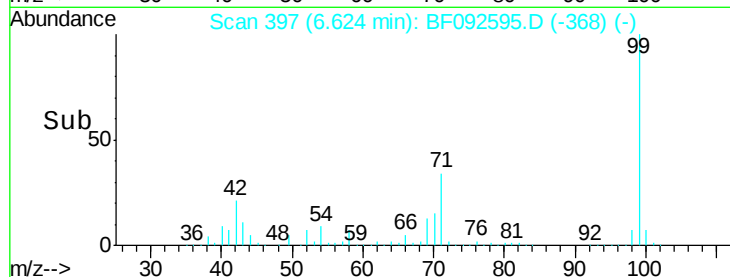
71 33.6 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.33 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.16 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Tgt Ion: 70 Resp: 182611

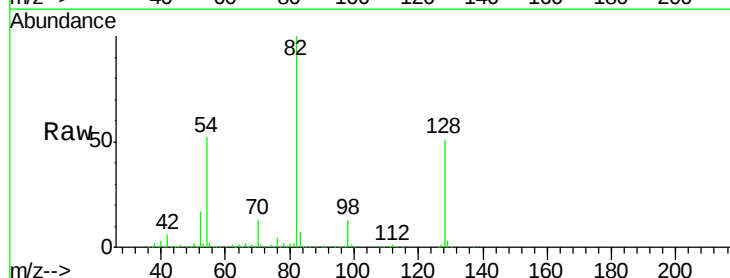
Ion Ratio Lower Upper

70 100

42 47.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

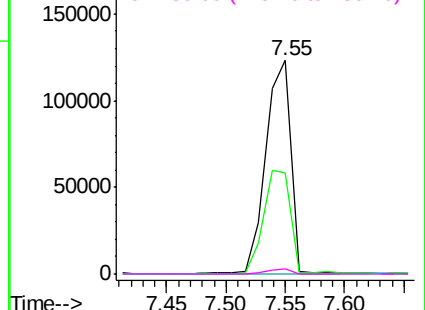
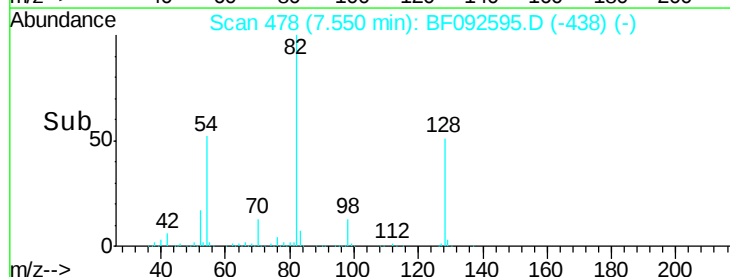


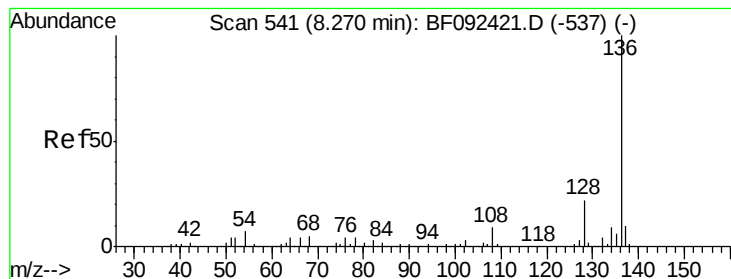
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): 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

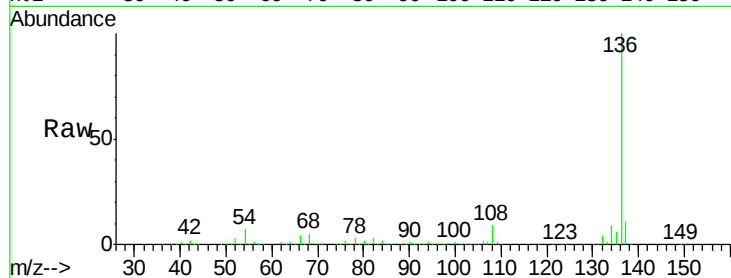
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.4 4.5 6.7#

68 5.3 3.6 5.4

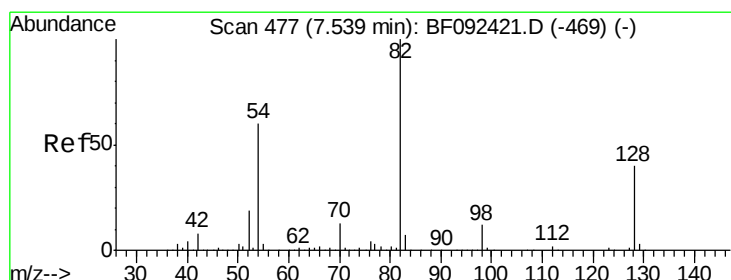
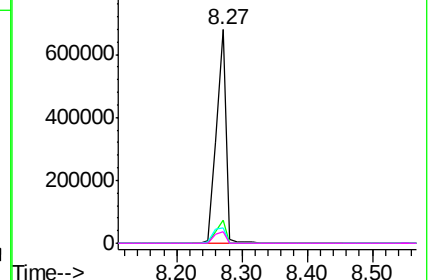
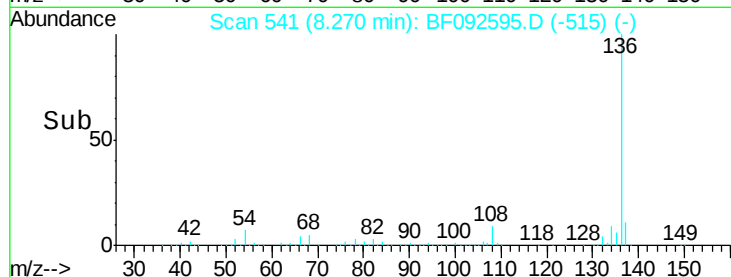


Abundance Ion 136.00 (135.70 to 136.70): E

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

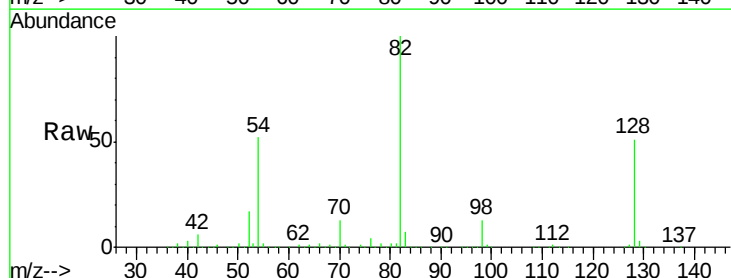
Tgt Ion: 82 Resp: 1359429

Ion Ratio Lower Upper

82 100

128 51.2 34.6 52.0

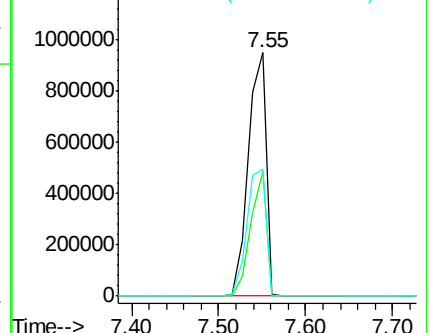
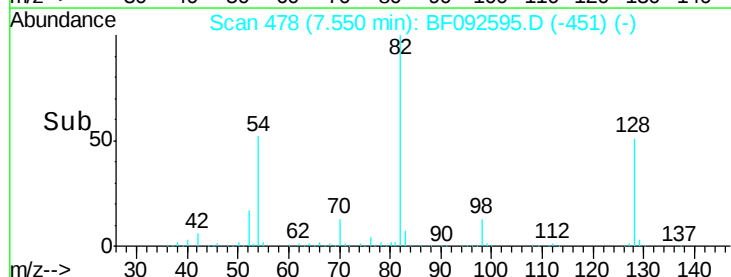
54 52.0 39.5 59.3

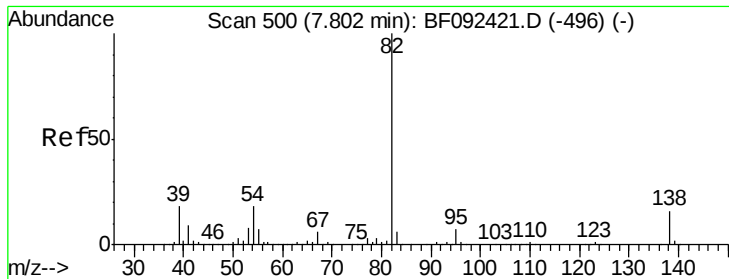


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.61 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.25 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

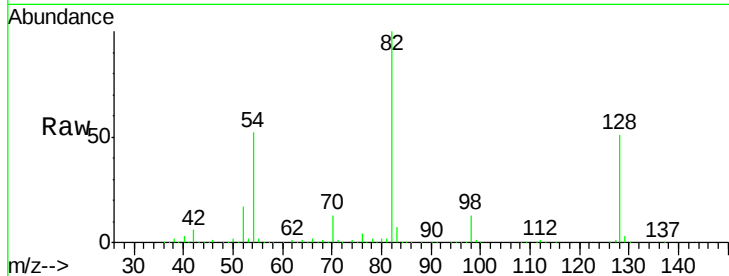
Tgt Ion: 82 Resp: 1200069

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

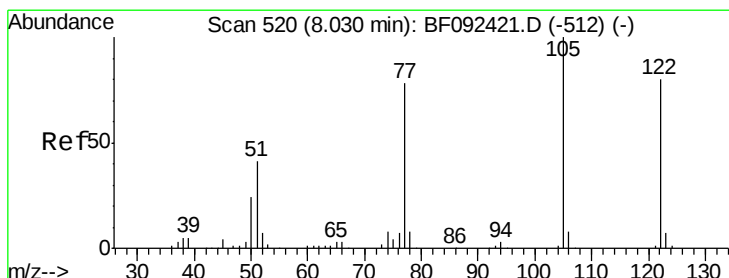
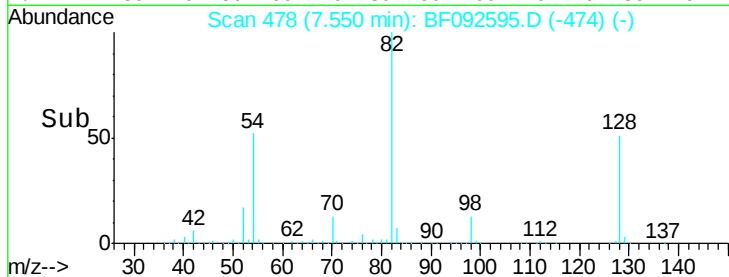
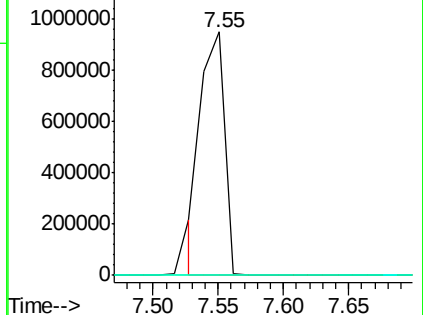
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 4.76 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.02 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

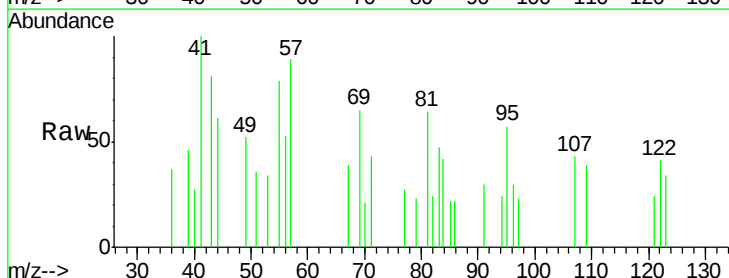
Tgt Ion: 122 Resp: 635

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

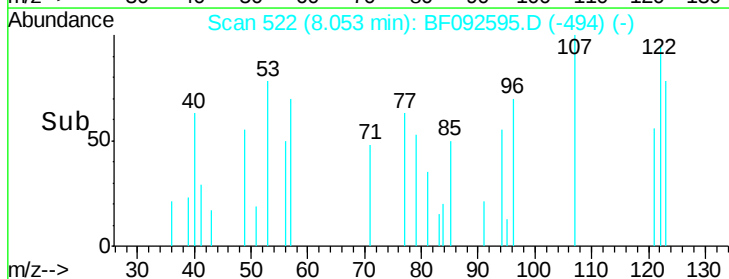
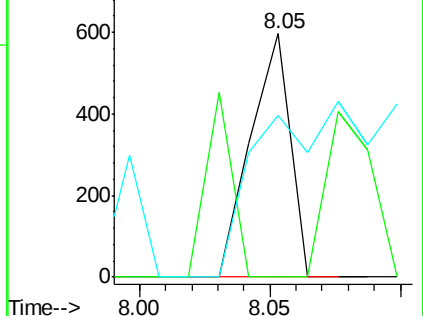
77 66.2 74.5 114.5#

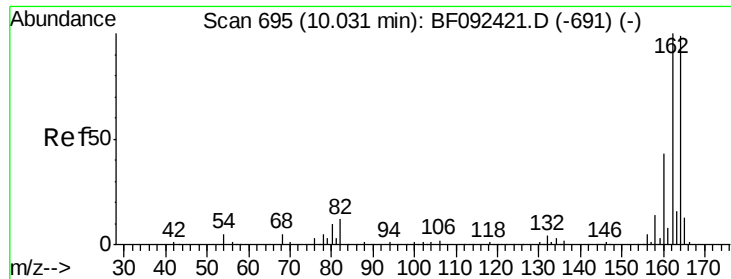


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

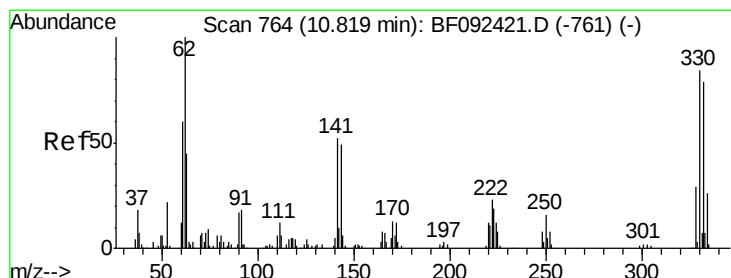
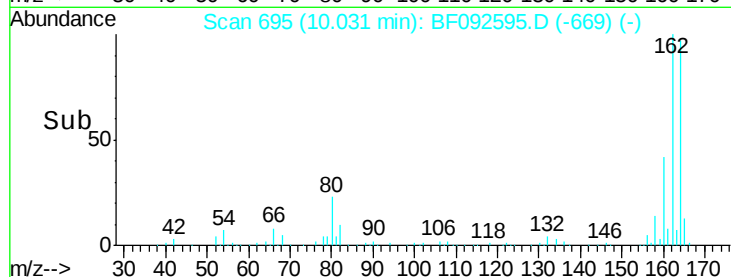
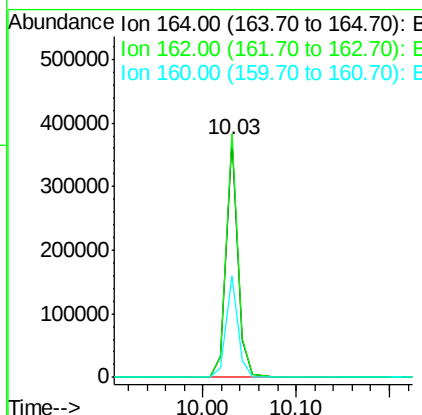
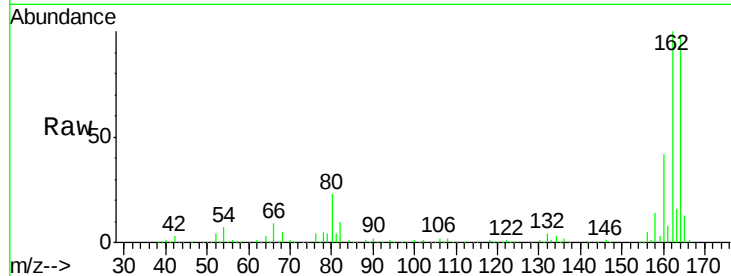




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

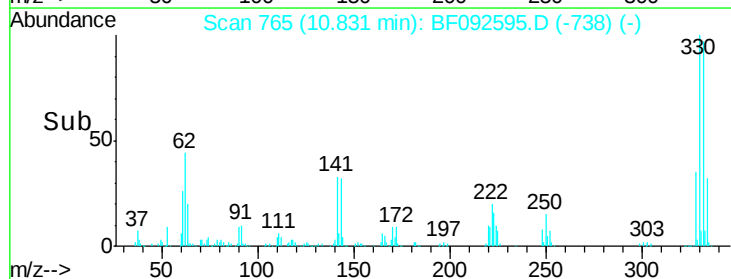
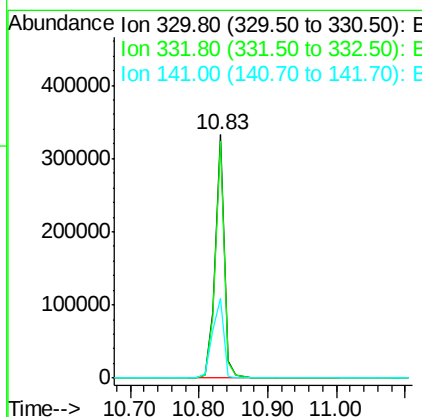
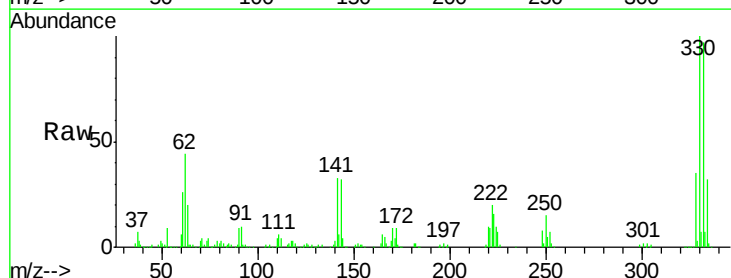
Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

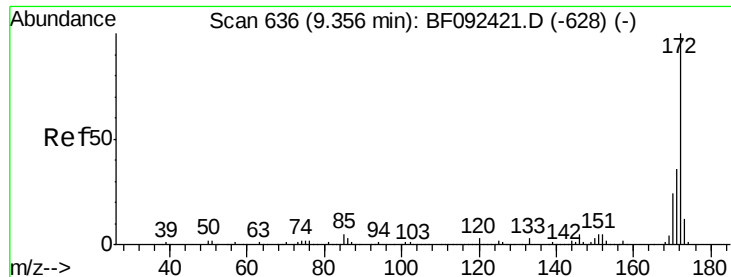
Tgt Ion:164 Resp: 327493
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.2 120.2
 160 42.9 36.9 55.3



#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

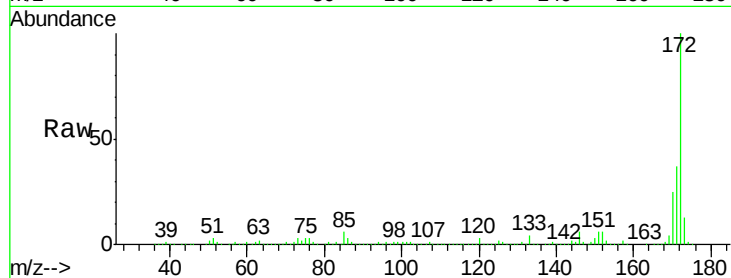




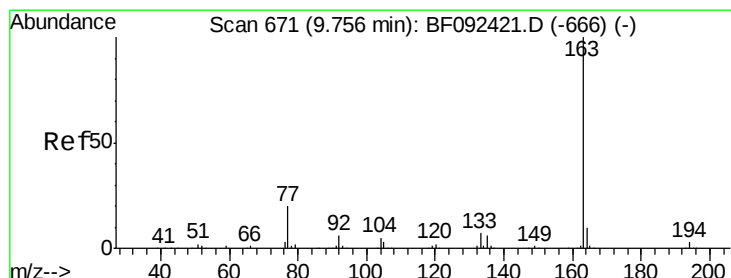
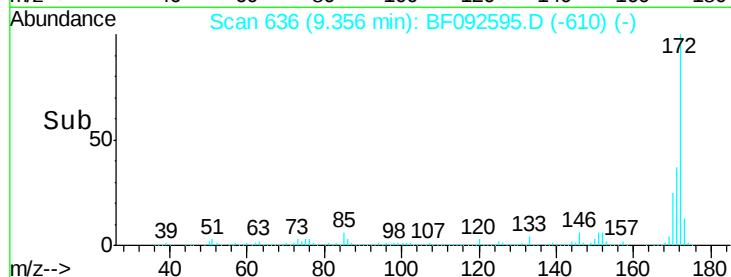
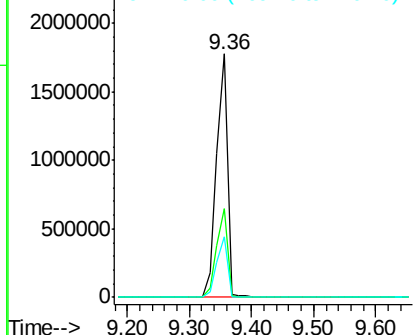
#44
 2-Fluorobiphenyl
 Concen: 119.85 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Instrument :
 BNA_F
 ClientSampleId :
 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

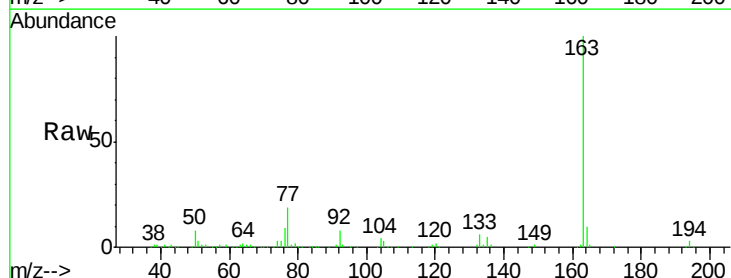


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

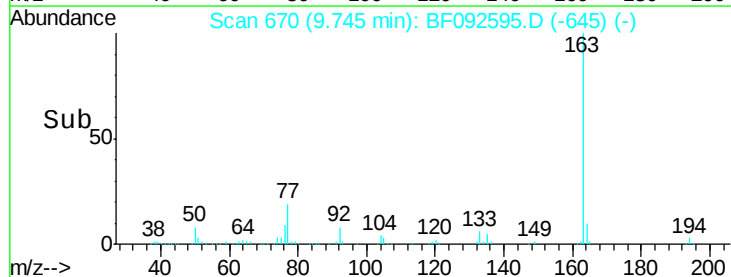
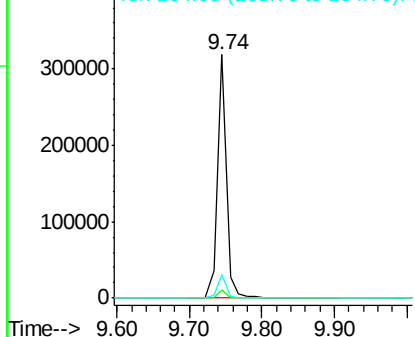


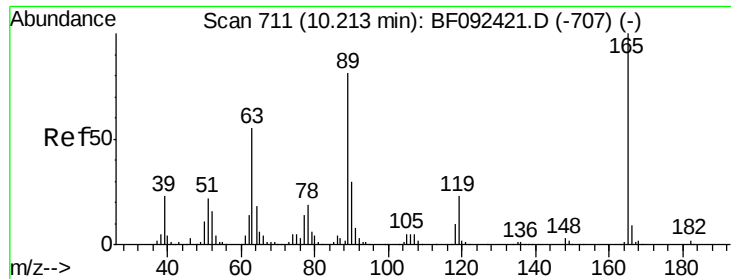
#49
 Dimethylphthalate
 Concen: 13.07 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

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

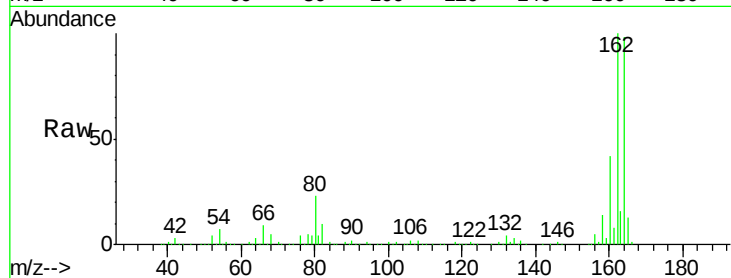




#56
 2,4-Dinitrotoluene
 Concen: 7.80 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.18 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

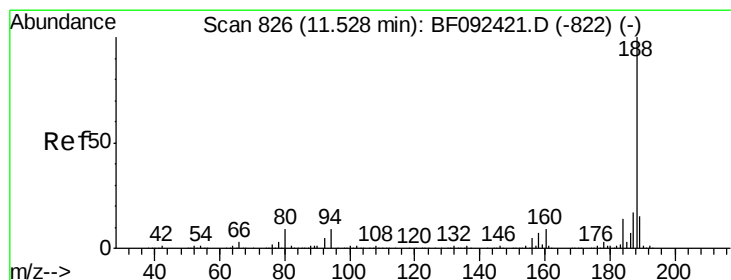
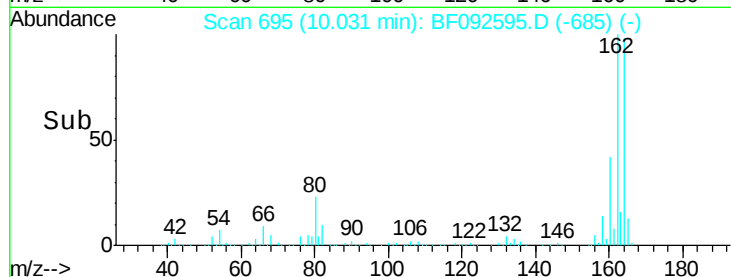
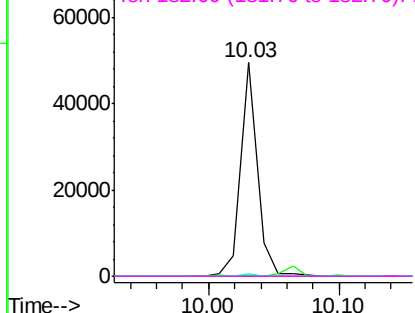


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

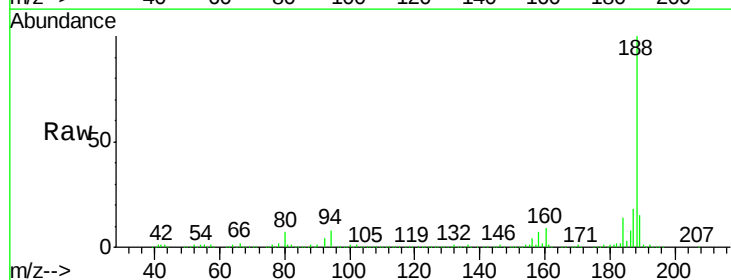
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): 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

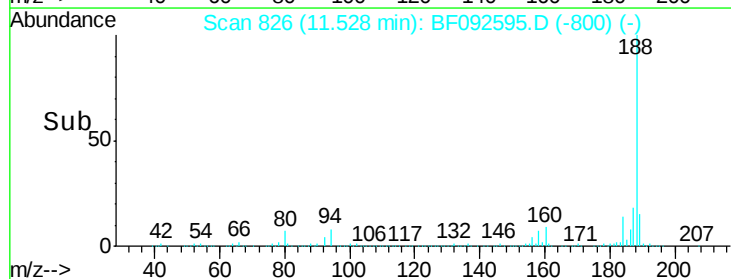
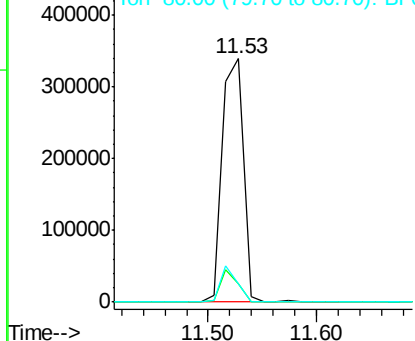
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.5	11.2	16.8#

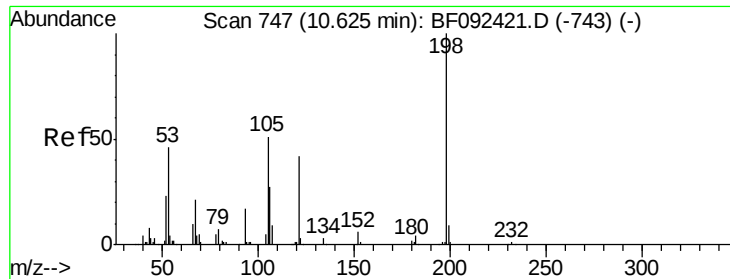


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

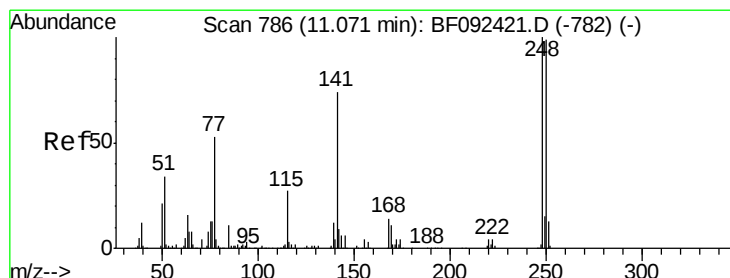
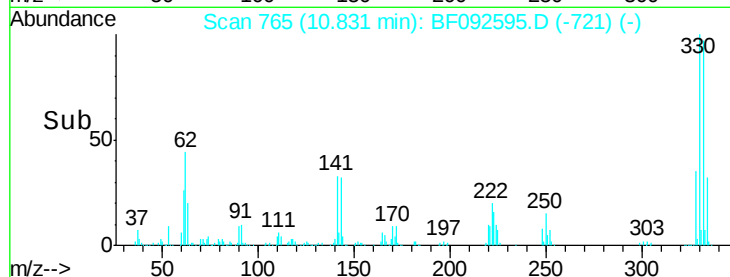
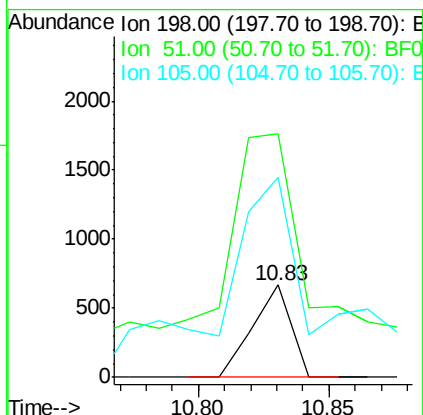
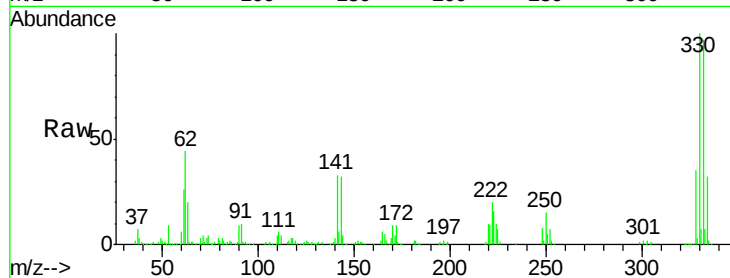




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.19 ng
 RT: 10.83 min Scan# 765
 Delta R.T. 0.21 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

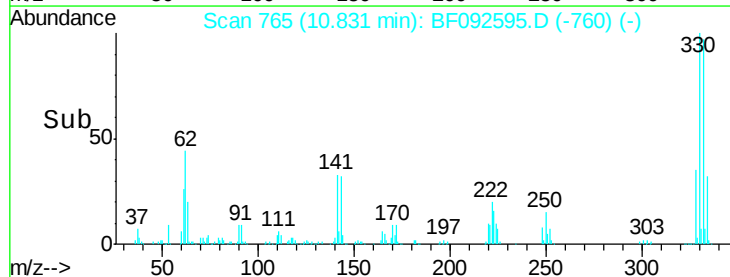
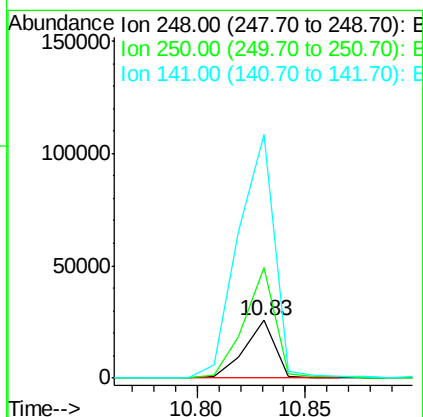
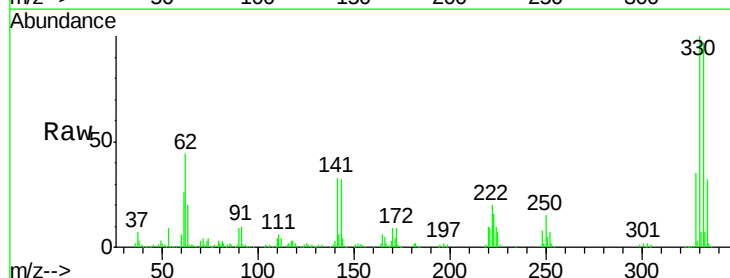
Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

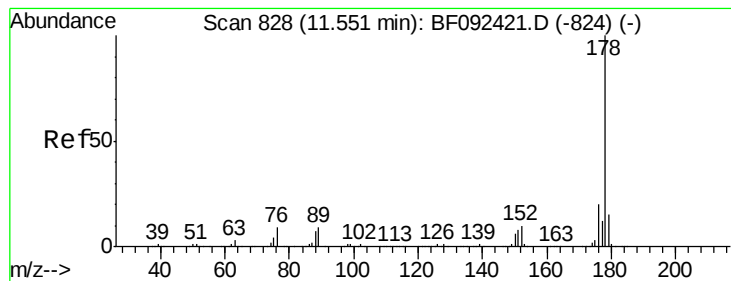
Tgt Ion:198 Resp: 673
 Ion Ratio Lower Upper
 198 100
 51 263.9 6.7 46.7#
 105 216.8 16.6 56.6#



#66
 4-Bromophenyl-phenylether
 Concen: 5.37 ng
 RT: 10.83 min Scan# 765
 Delta R.T. -0.24 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

Tgt Ion:248 Resp: 24961
 Ion Ratio Lower Upper
 248 100
 250 192.1 76.9 115.3#
 141 422.2 68.2 102.4#





#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

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

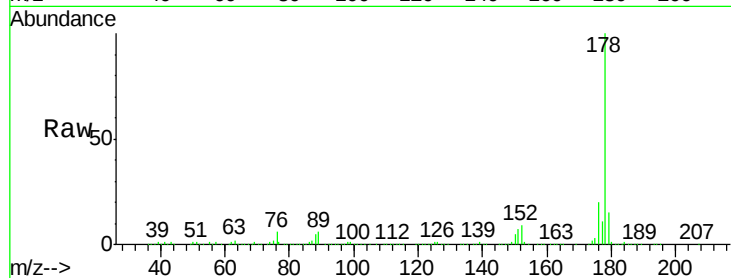
Tgt Ion:178 Resp: 429500

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

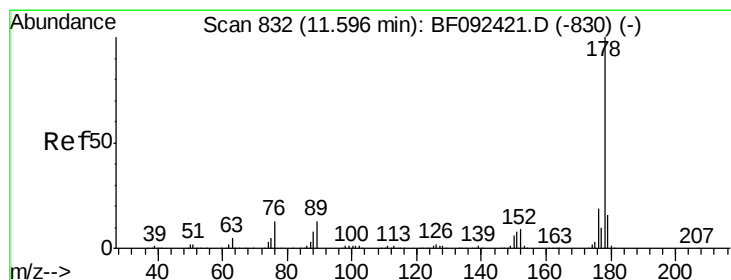
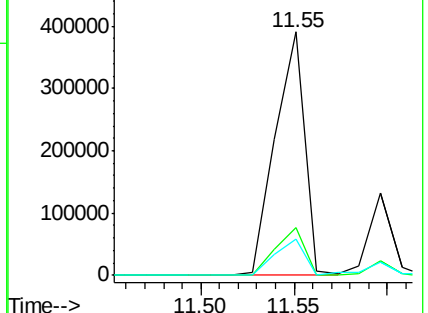
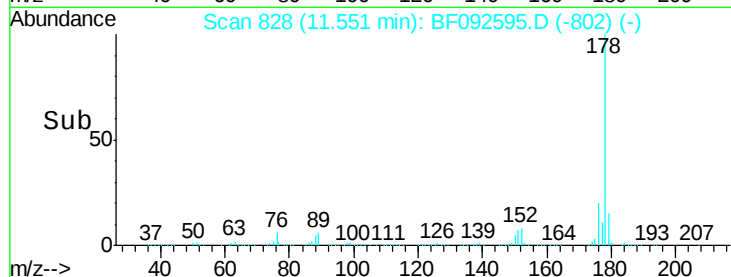
179 15.1 12.8 19.2



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

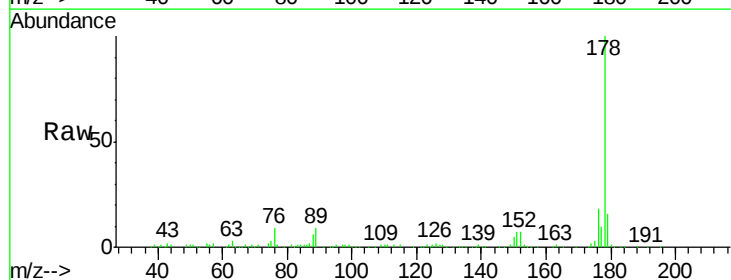
Tgt Ion:178 Resp: 117266

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

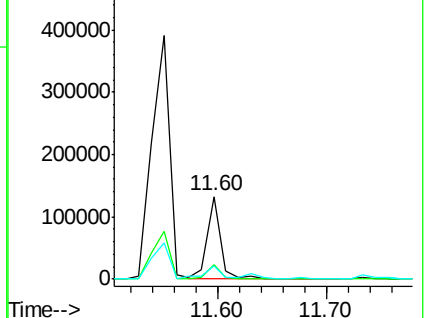
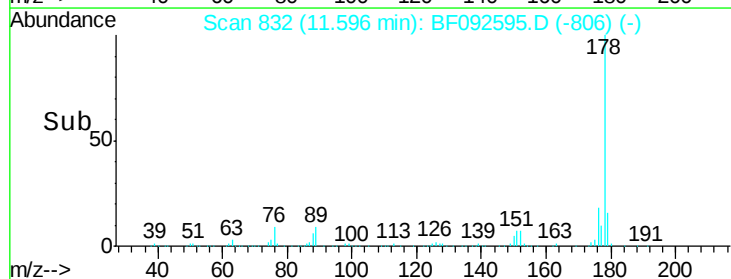
179 15.9 13.2 19.8

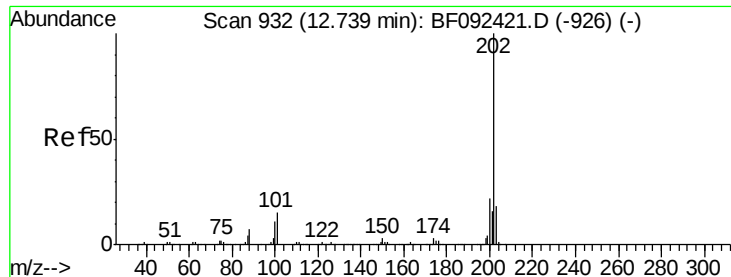


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

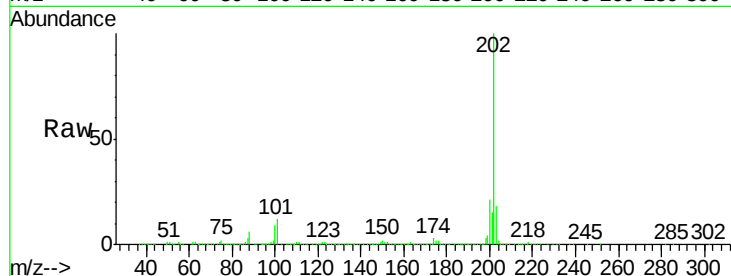
Tgt Ion:202 Resp: 620316

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.6

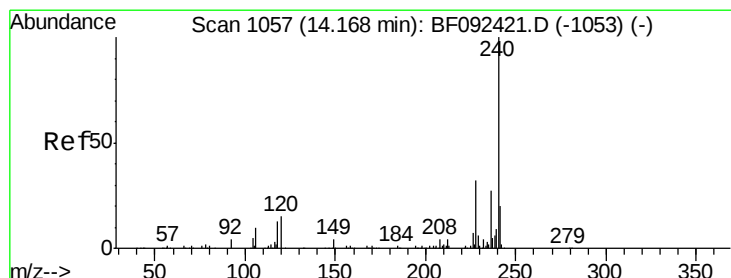
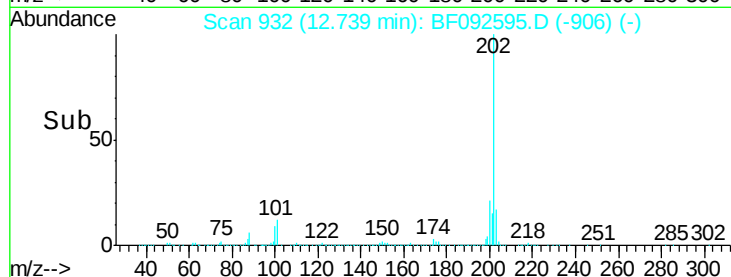
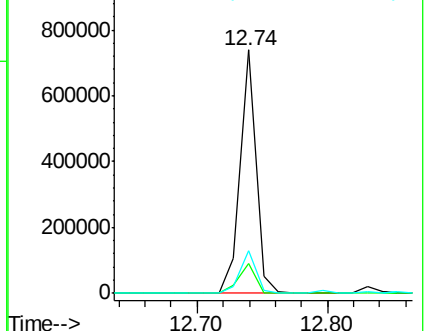
203 17.5 0.0 38.7



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

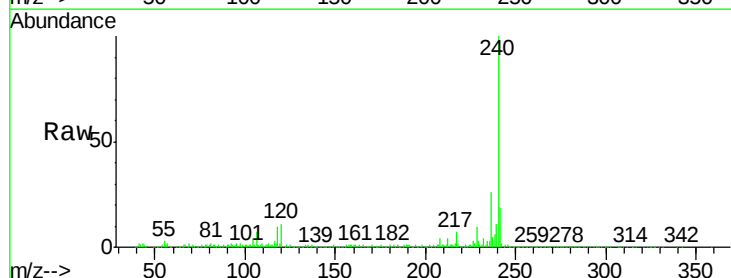
Tgt Ion:240 Resp: 360695

Ion Ratio Lower Upper

240 100

120 10.7 12.9 19.3#

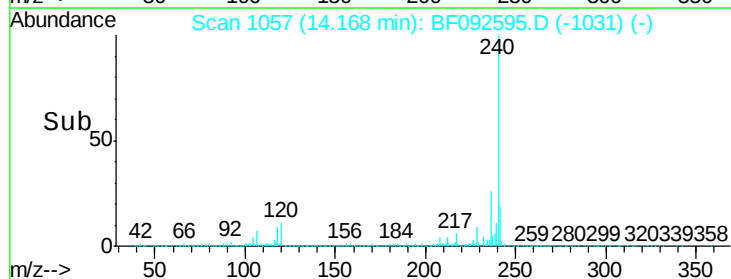
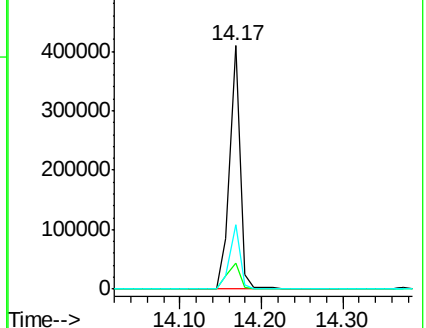
236 26.2 20.9 31.3

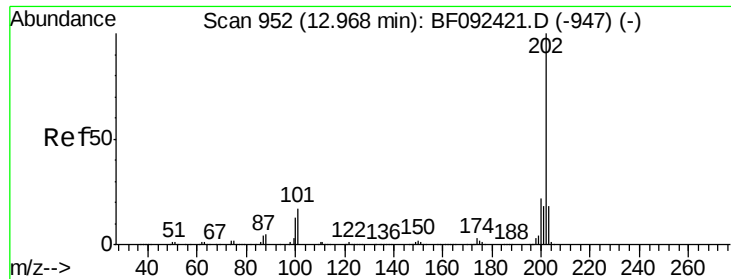


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

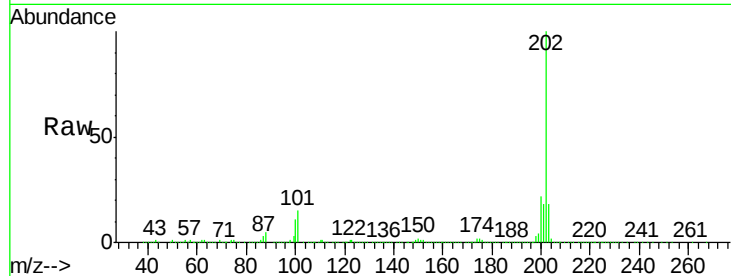
Tgt Ion:202 Resp: 563298

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

800000

600000

400000

200000

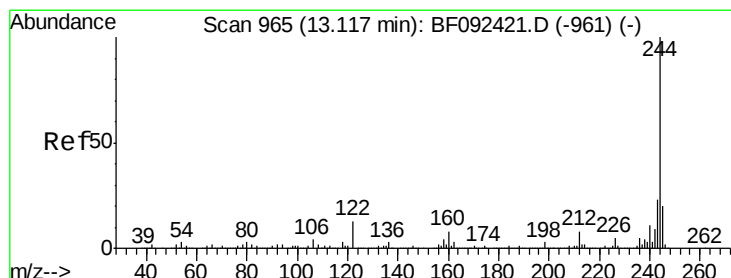
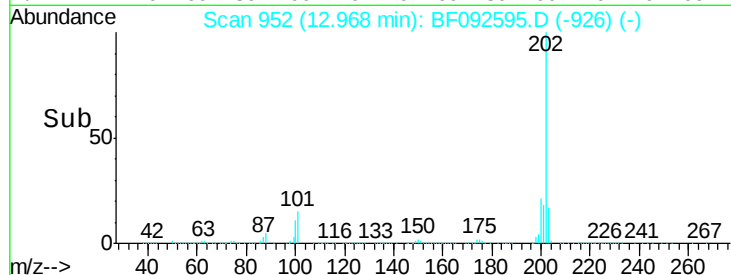
0

12.97

12.90

13.00

Time-->



#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

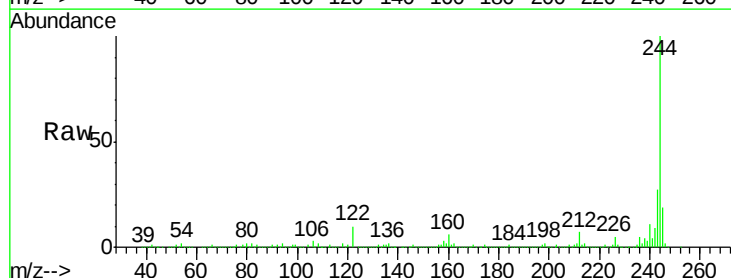
Tgt Ion:244 Resp: 1377461

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

1500000

1000000

500000

0

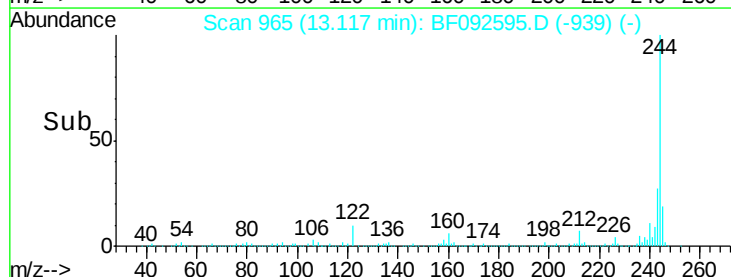
13.12

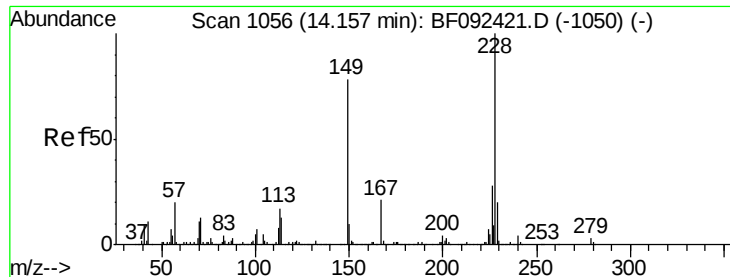
13.00

13.20

13.30

Time-->





#80

Benzo(a)anthracene

Concen: 14.98 ng

RT: 14.16 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

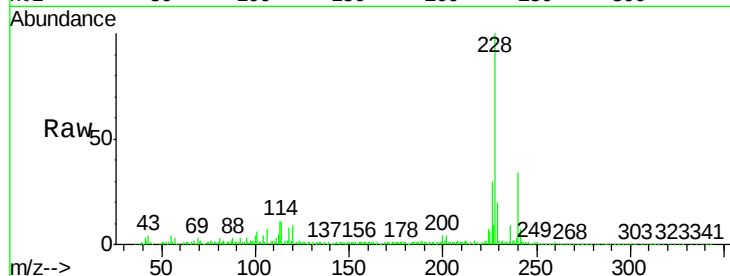
Tgt Ion:228 Resp: 290449

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

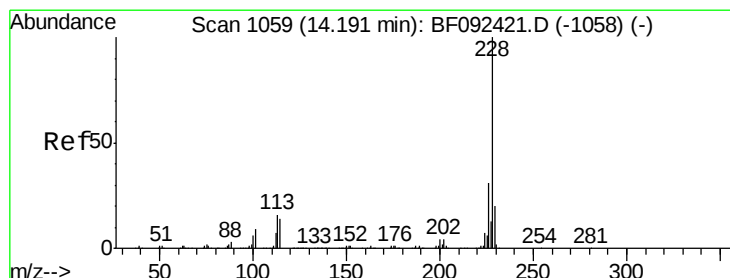
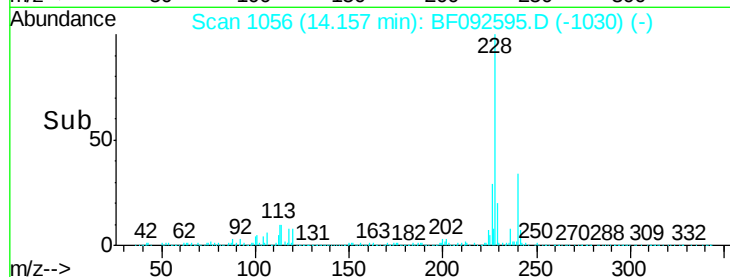
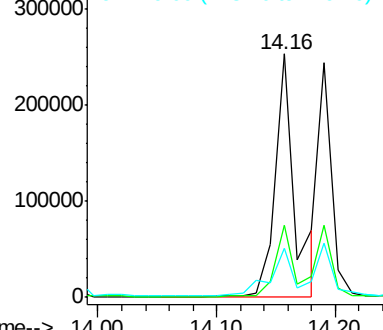
229 20.2 16.2 24.4



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: 9.14 ng

RT: 14.19 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

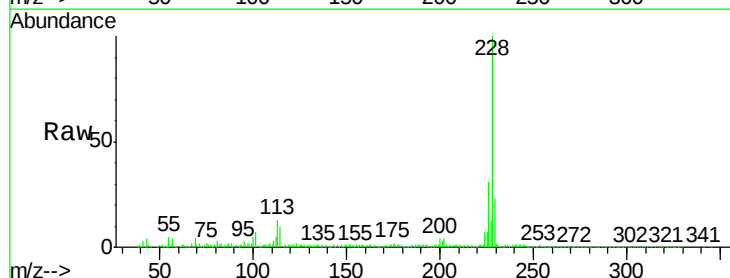
Tgt Ion:228 Resp: 189246

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

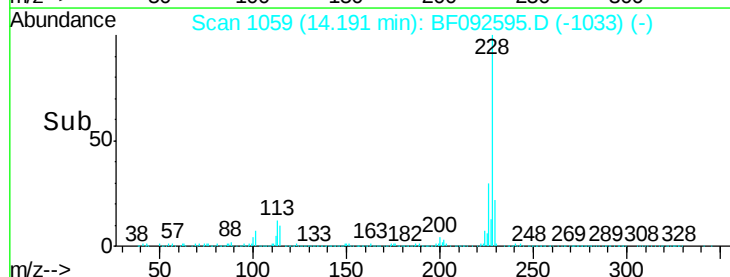
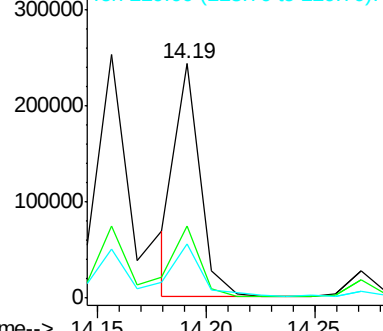
229 23.1 16.2 24.2

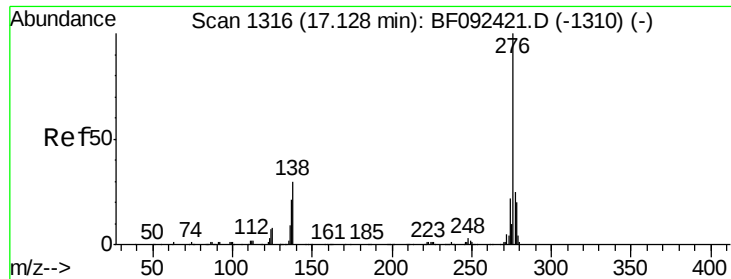


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

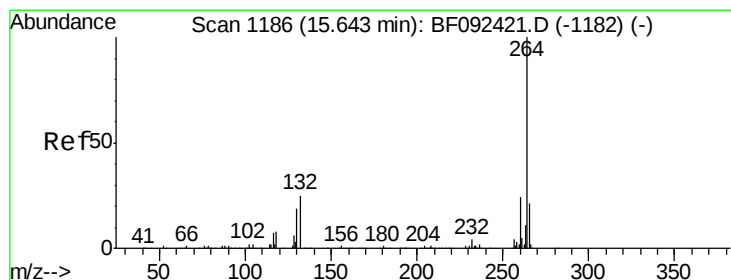
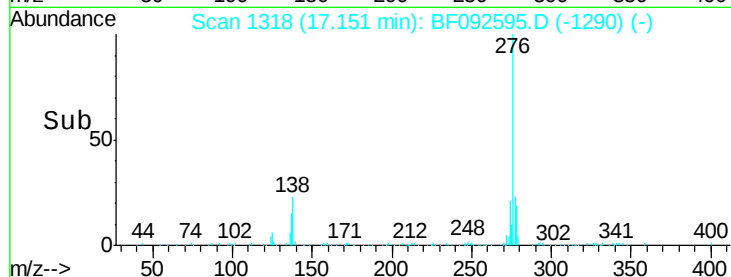
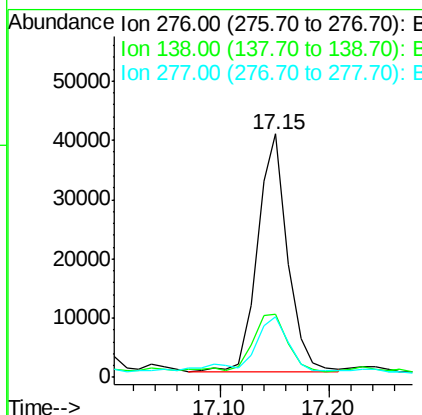
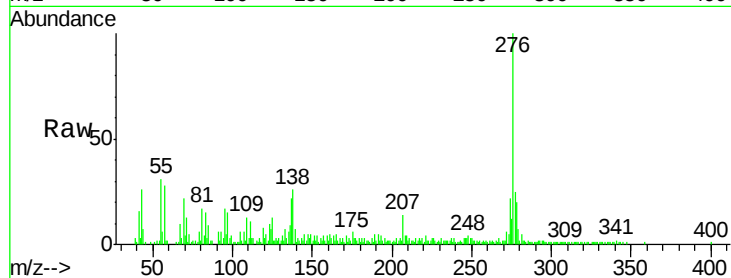




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.04 ng
 RT: 17.15 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: BF092595.D
 Acq: 28 Jan 2017 00:10

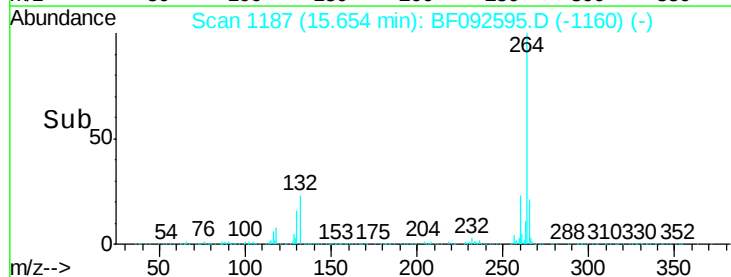
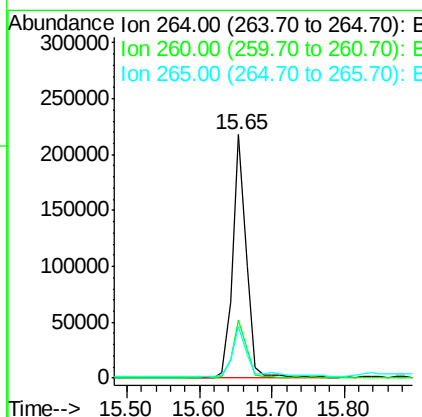
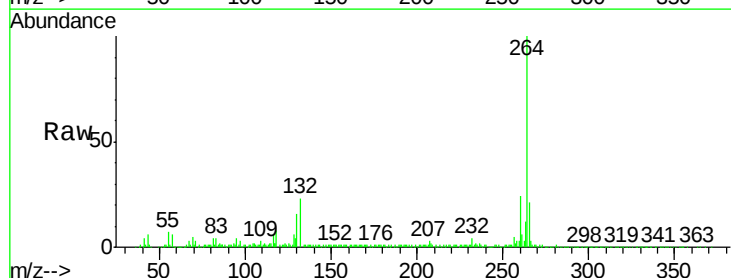
Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S1C1

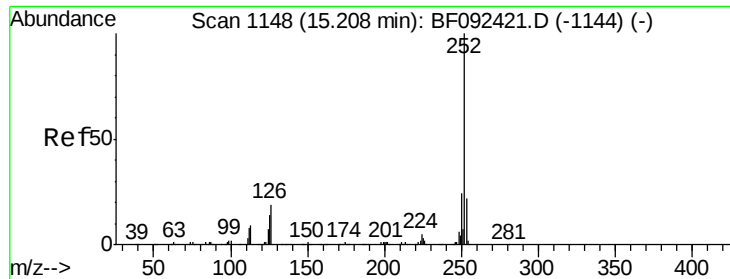
Tgt Ion: 276 Resp: 77269
 Ion Ratio Lower Upper
 276 100
 138 29.7 21.8 32.6
 277 30.1 20.2 30.4



#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

Tgt Ion: 264 Resp: 281855
 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: 17.22 ng

RT: 15.22 min Scan# 1149

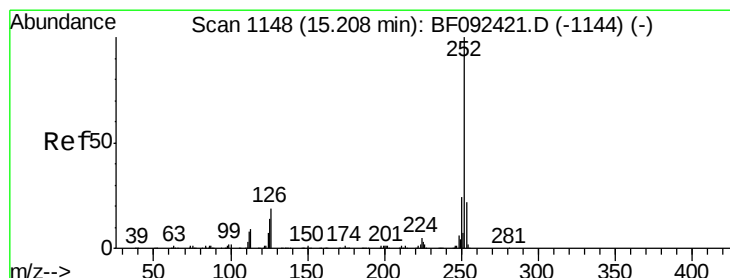
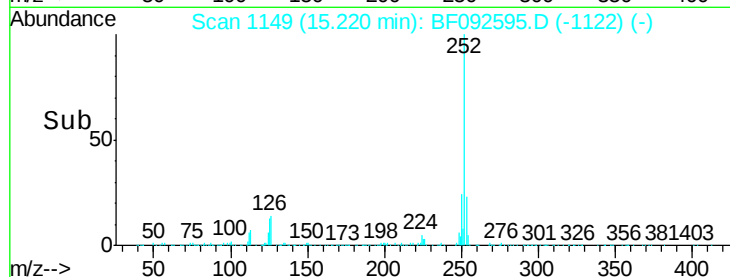
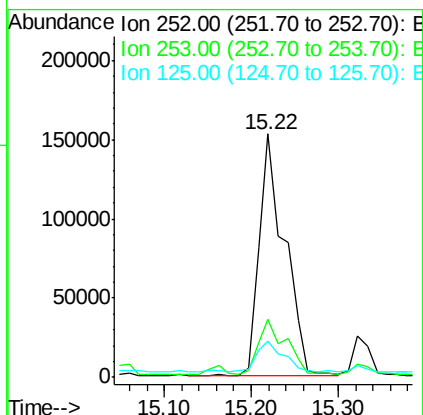
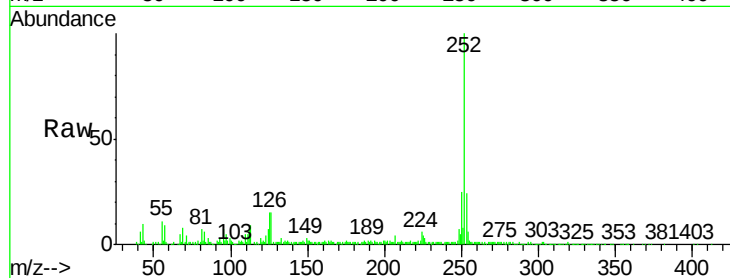
Delta R.T. 0.01 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S1C1

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



#88

Benzo(k)fluoranthene

Concen: 20.71 ng

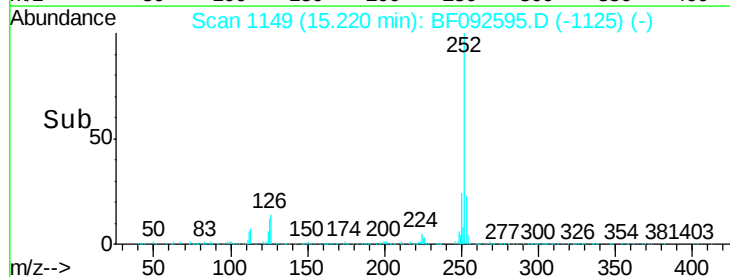
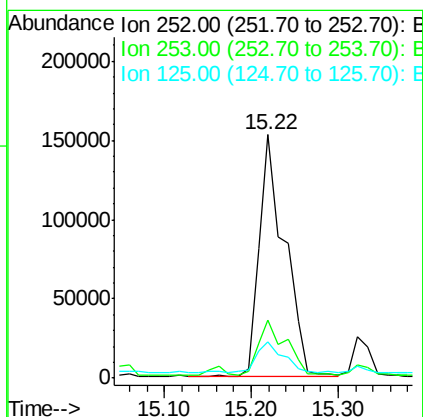
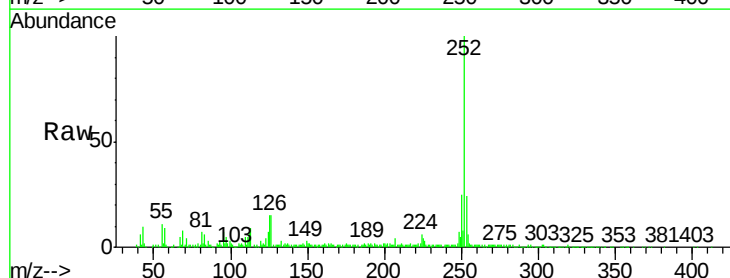
RT: 15.22 min Scan# 1149

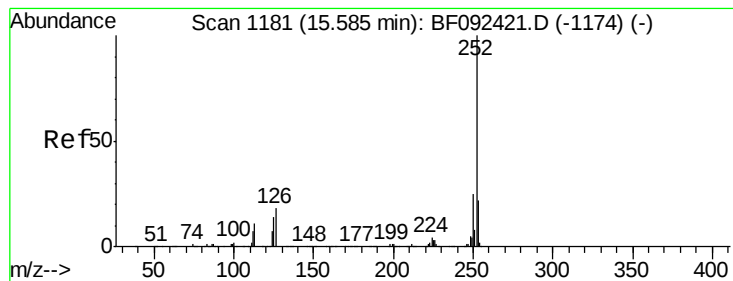
Delta R.T. -0.02 min

Lab File: BF092595.D

Acq: 28 Jan 2017 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	14.8	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

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S1C1

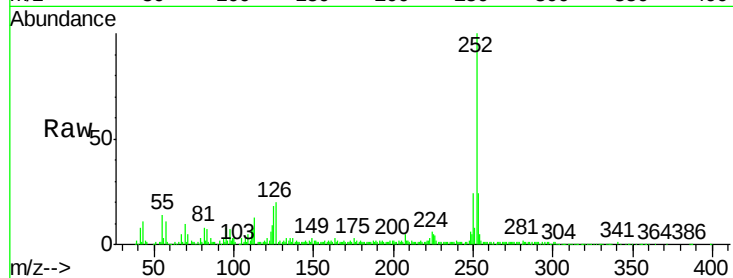
Tgt Ion:252 Resp: 163538

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

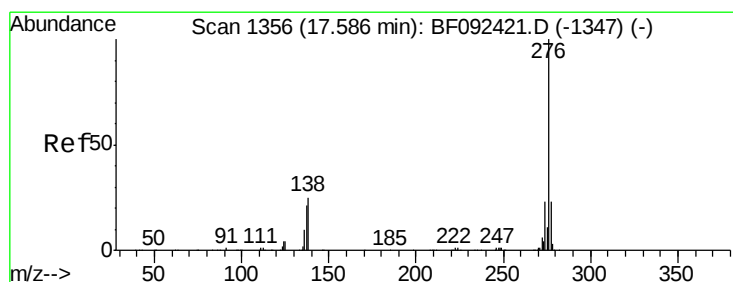
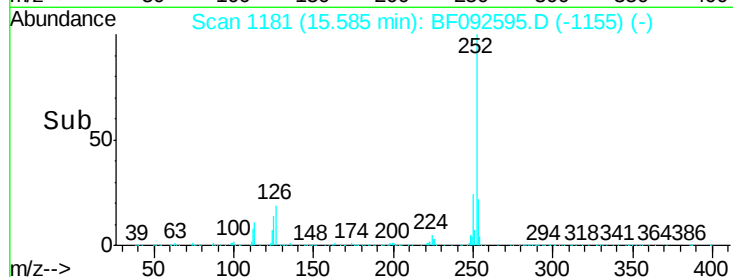
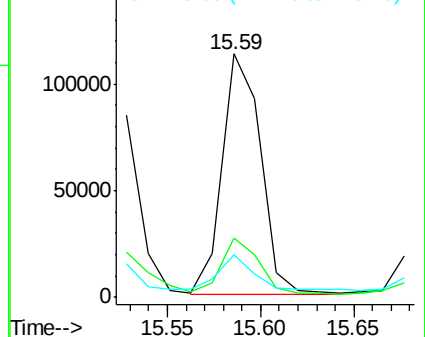
125 17.5 10.0 15.0#



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: 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

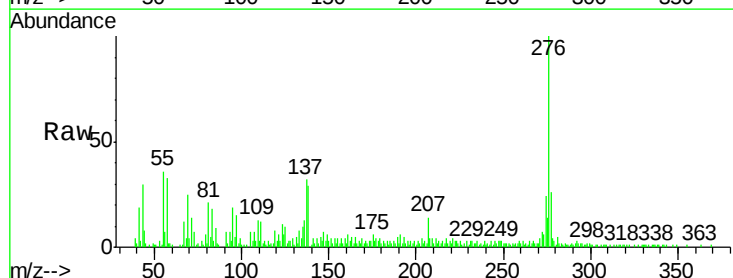
Tgt Ion:276 Resp: 72839

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

