

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092116\
 Data File : BF090176.D
 Acq On : 21 Sep 2016 23:09
 Operator : UM/SJ
 Sample : H4856-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Sep 22 01:56:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

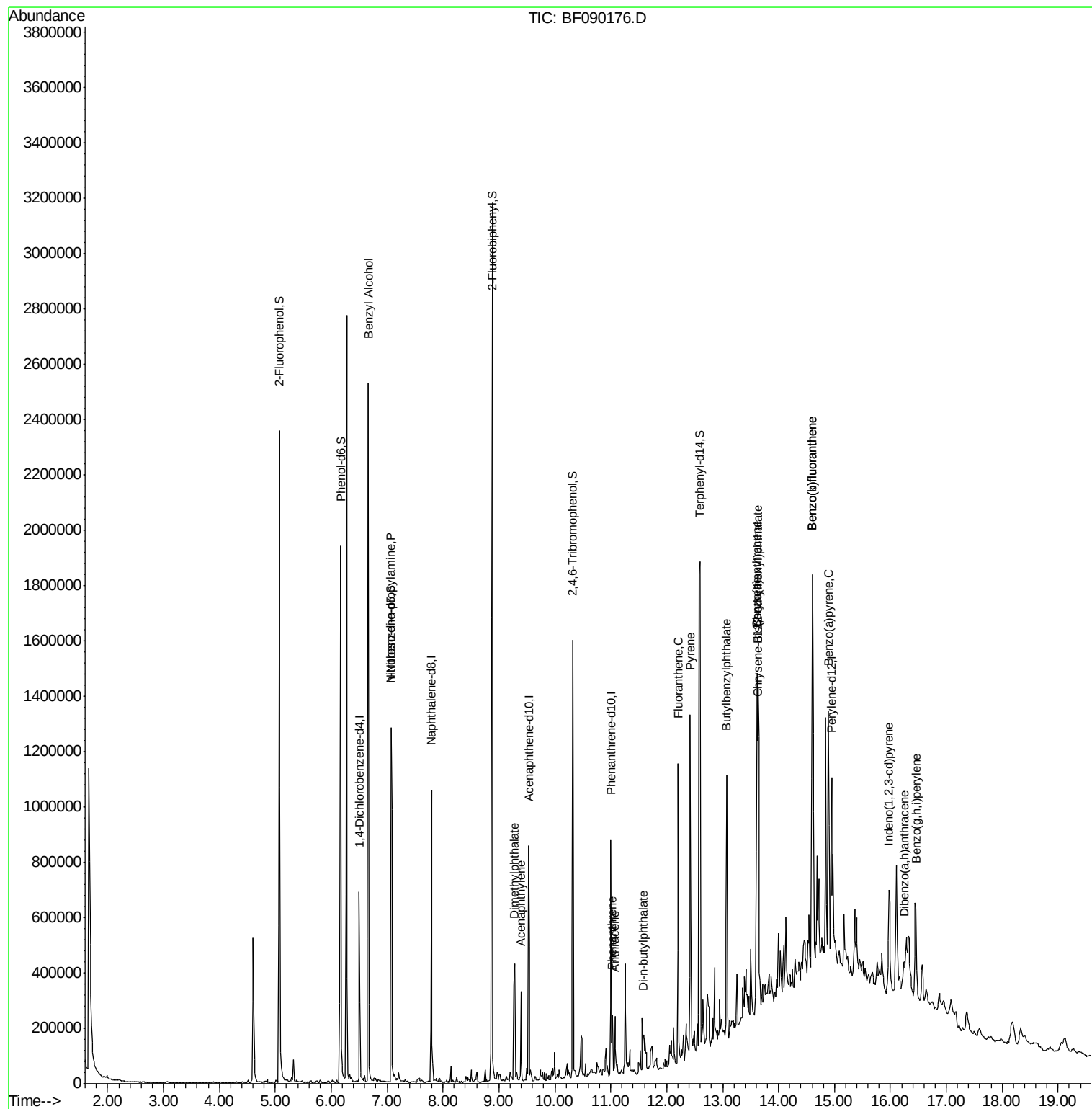
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	128199	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	492114	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	229700	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	337094	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	278281	20.00	ng	-0.01
86) Perylene-d12	14.95	264	321943	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	959857	122.04	ng	0.00
7) Phenol-d6	6.17	99	1243767	128.05	ng	0.00
23) Nitrobenzene-d5	7.07	82	688193	81.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	203906	103.47	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	1232157	105.31	ng	-0.01
78) Terphenyl-d14	12.59	244	866864	79.09	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.66	79	11883	2.05	ng	# 52
19) n-Nitroso-di-n-propylamine	7.07	70	76433	13.40	ng	# 81
48) Acenaphthylene	9.39	152	135560	6.89	ng	98
49) Dimethylphthalate	9.28	163	270668	18.50	ng	99
70) Phenanthrene	11.03	178	82679	5.24	ng	97
71) Anthracene	11.07	178	97693	5.91	ng	98
73) Di-n-butylphthalate	11.59	149	56255	2.77	ng	98
74) Fluoranthene	12.21	202	475150	28.08	ng	94
77) Pyrene	12.42	202	520111	27.31	ng	97
79) Butylbenzylphthalate	13.07	149	239177	25.68	ng	95
80) Benzo(a)anthracene	13.61	228	747420	49.92	ng	93
82) Chrysene	13.61	228	747420	51.25	ng	97
83) Bis(2-ethylhexyl)phthalate	13.63	149	240049	20.14	ng	# 97
85) Indeno(1,2,3-cd)pyrene	15.98	276	70358	5.97	ng	98
87) Benzo(b)fluoranthene	14.61	252	951314	53.36	ng	98
88) Benzo(k)fluoranthene	14.61	252	951314	56.86	ng	# 94
89) Benzo(a)pyrene	14.89	252	427205	25.47	ng	# 89
90) Dibenzo(a,h)anthracene	16.25	278	55889	4.27	ng	92
91) Benzo(g,h,i)perylene	16.46	276	278054	21.71	ng	# 94

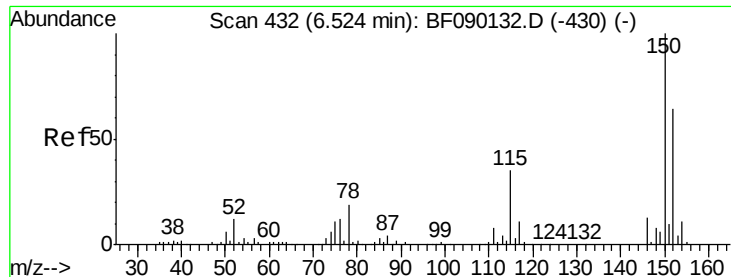
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampled :

DUP

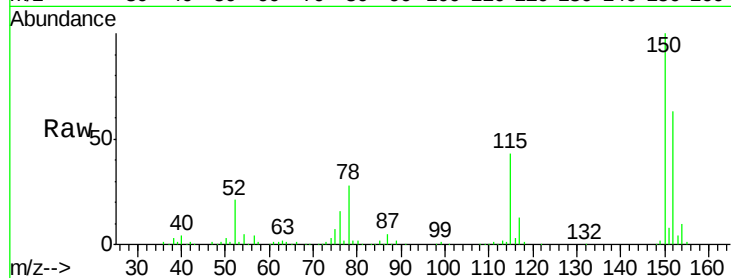
Tgt Ion:152 Resp: 128199

Ion Ratio Lower Upper

152 100

150 159.2 128.9 193.3

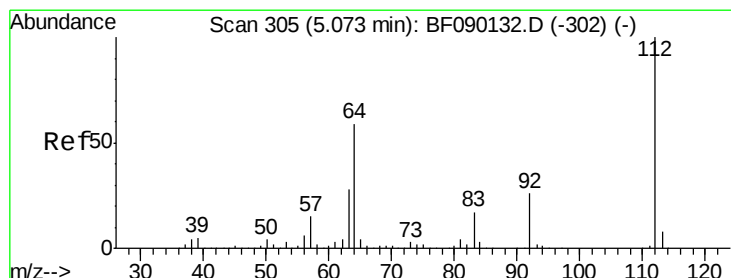
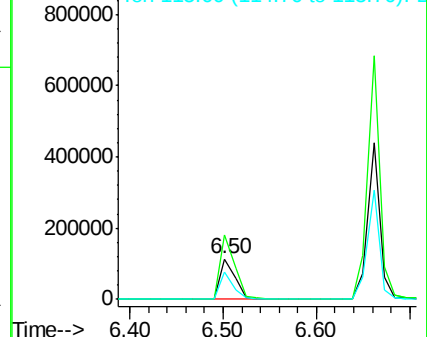
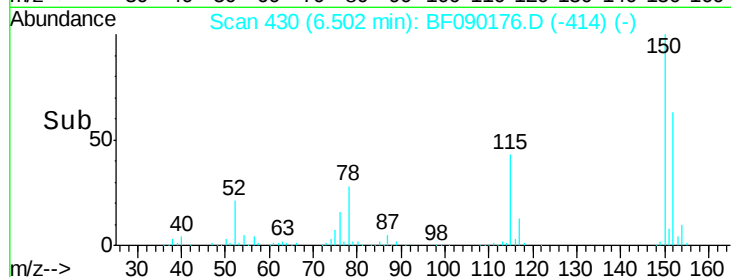
115 67.7 55.5 83.3



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: 122.04 ng

RT: 5.07 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

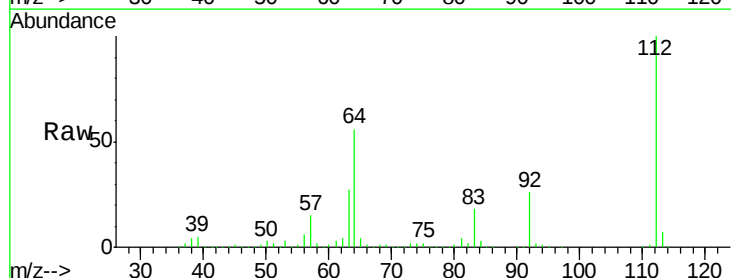
Tgt Ion:112 Resp: 959857

Ion Ratio Lower Upper

112 100

64 55.7 39.8 59.6

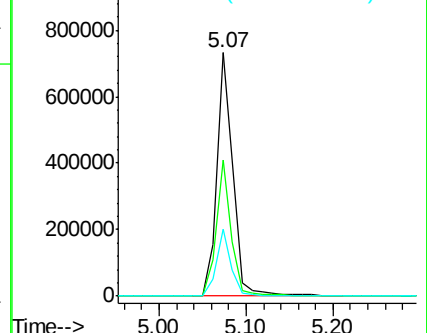
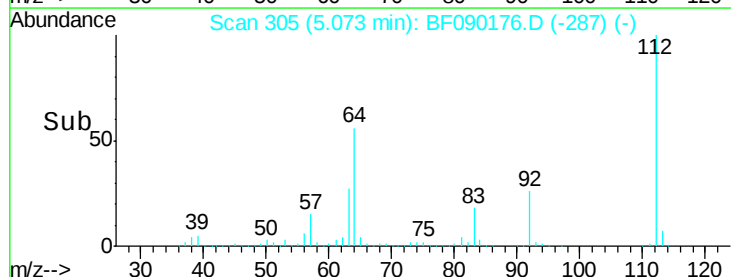
63 27.3 18.9 28.3



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: 128.05 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

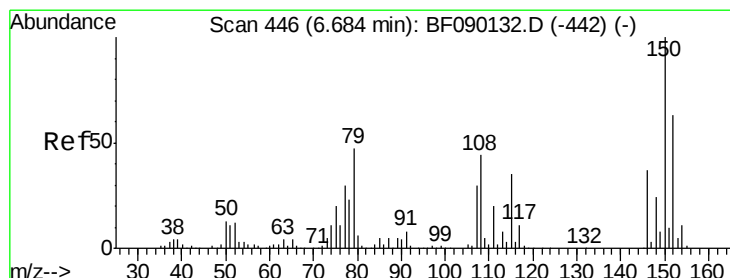
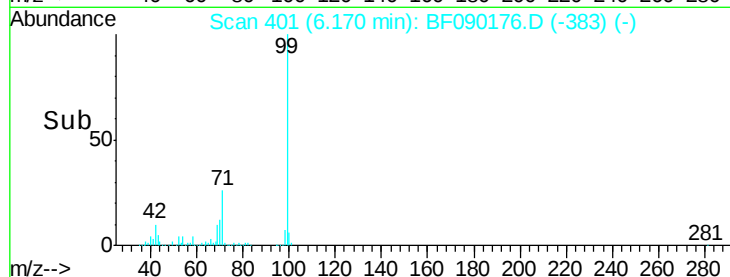
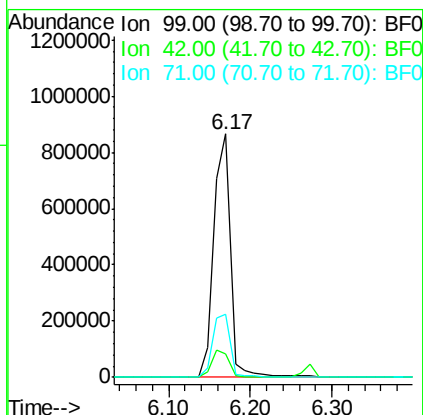
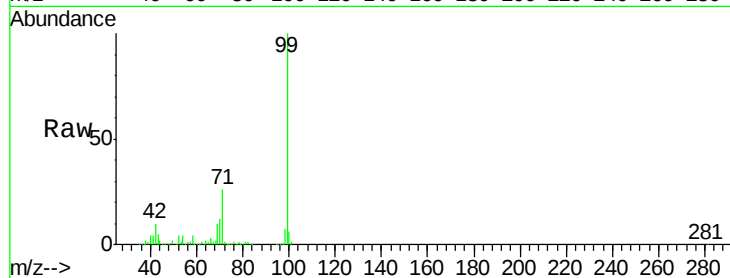
Tgt Ion: 99 Resp: 1243767

Ion Ratio Lower Upper

99 100

42 9.8 10.6 15.8#

71 25.7 23.0 34.6



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

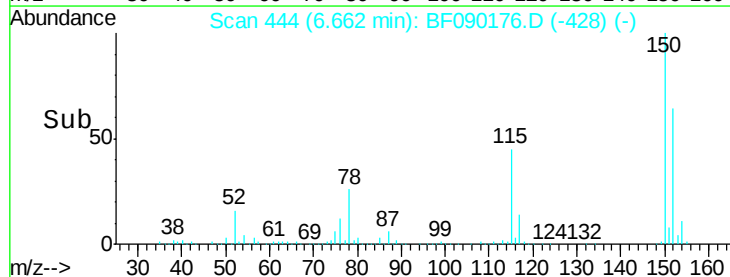
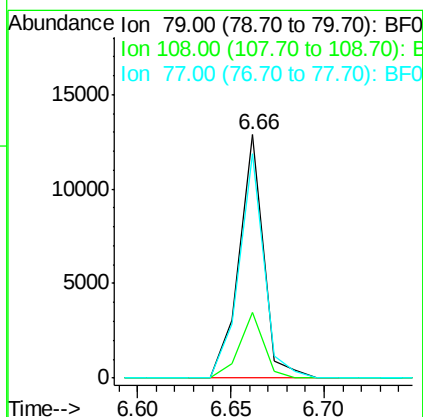
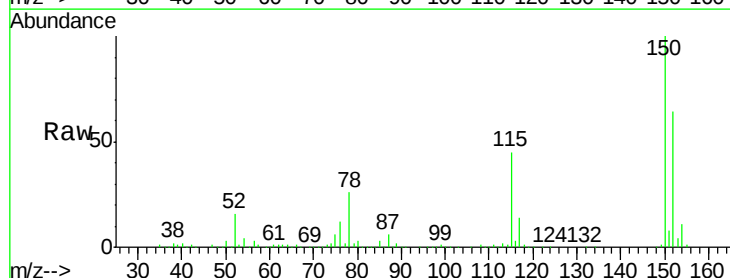
Tgt Ion: 79 Resp: 11883

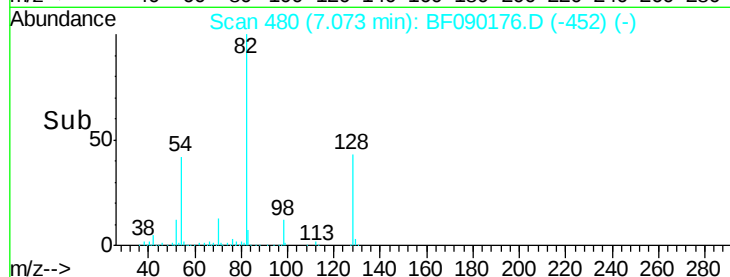
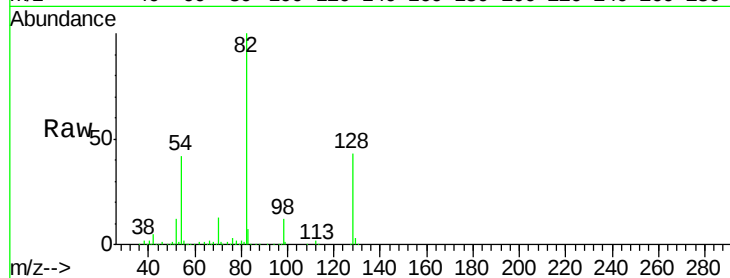
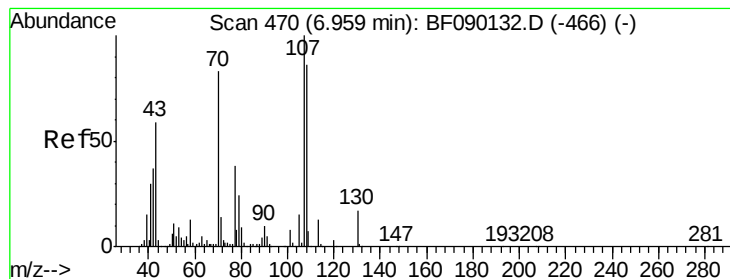
Ion Ratio Lower Upper

79 100

108 26.8 62.2 93.4#

77 92.1 51.4 77.0#





#19

n-Nitroso-di-n-propylamine

Concen: 13.40 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

Tgt Ion: 70 Resp: 76433

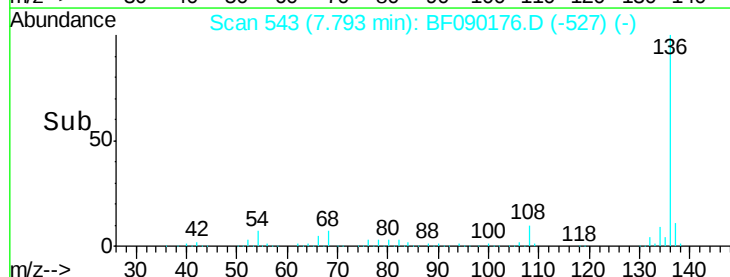
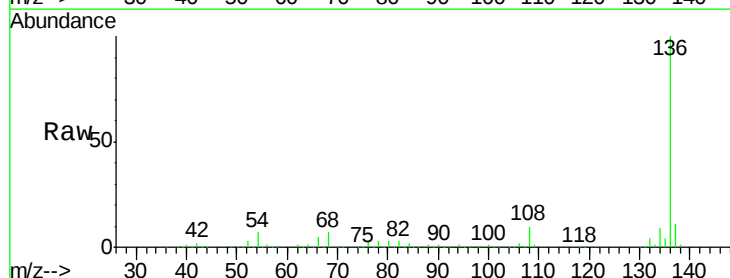
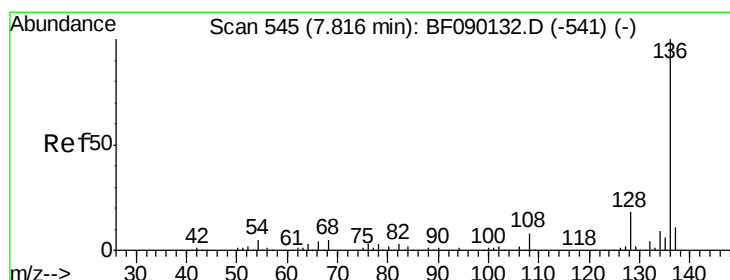
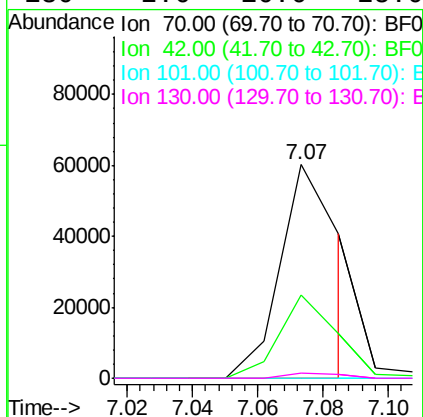
Ion Ratio Lower Upper

70 100

42 39.1 35.1 52.7

101 0.0 7.5 11.3#

130 2.6 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Tgt Ion: 136 Resp: 492114

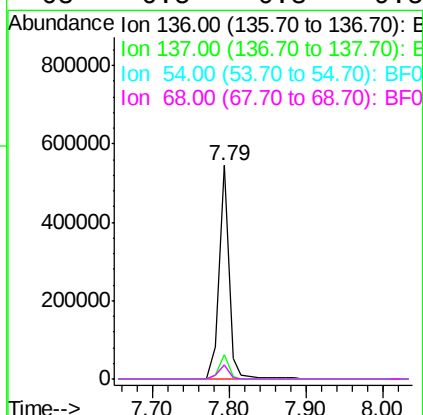
Ion Ratio Lower Upper

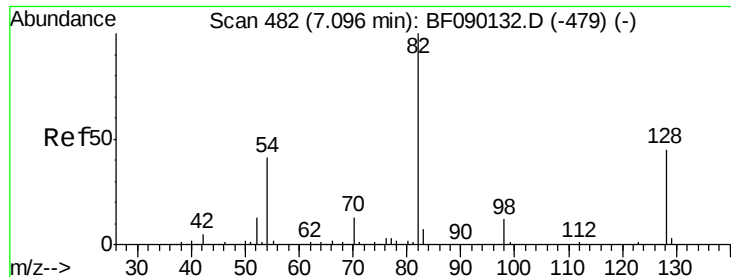
136 100

137 11.2 9.0 13.4

54 6.6 6.4 9.6

68 6.5 6.3 9.5

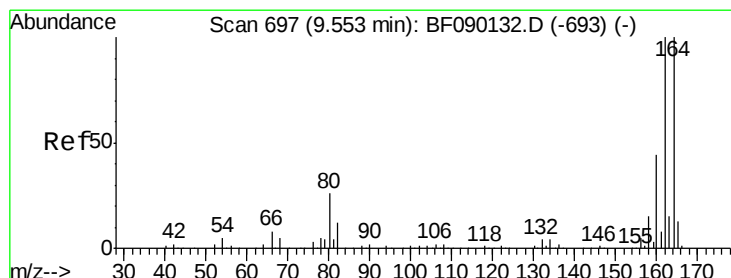
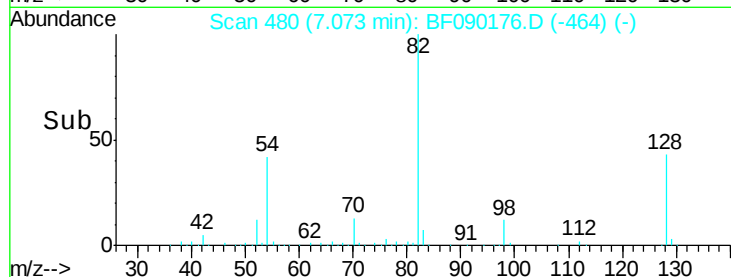
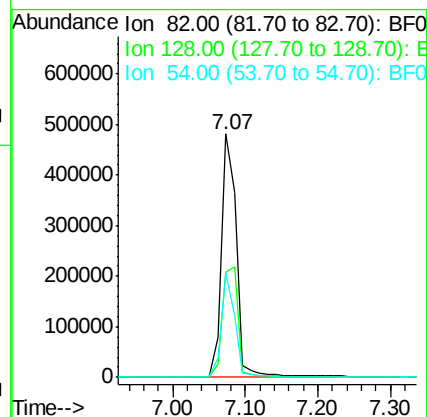
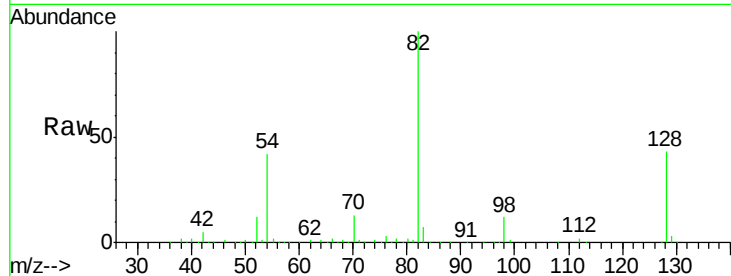




#23
 Nitrobenzene-d5
 Concen: 81.07 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090176.D
 Acq: 21 Sep 2016 23:09

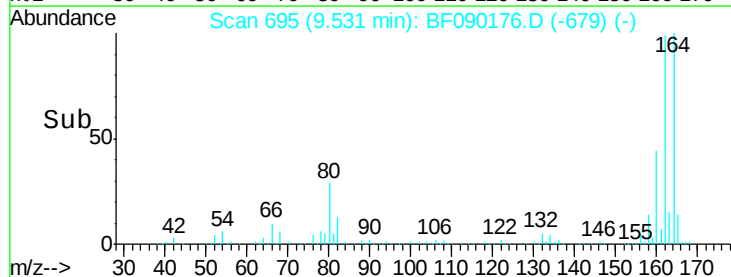
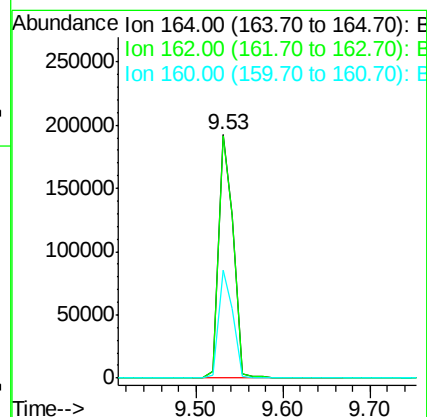
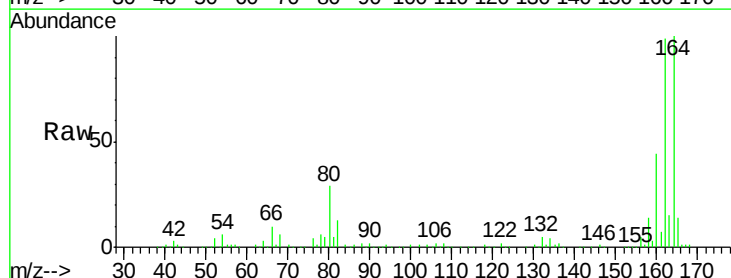
Instrument :
 BNA_F
 ClientSampleId :
 DUP

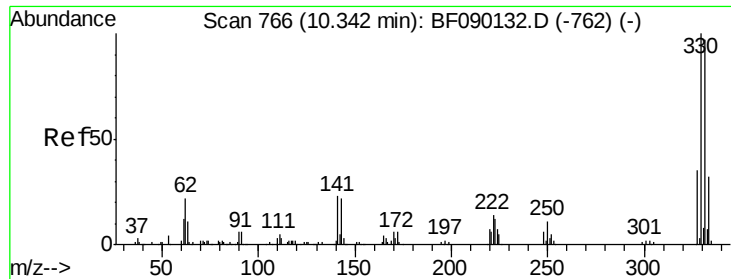
Tgt Ion: 82 Resp: 688193
 Ion Ratio Lower Upper
 82 100
 128 43.1 37.5 56.3
 54 42.5 31.9 47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090176.D
 Acq: 21 Sep 2016 23:09

Tgt Ion: 164 Resp: 229700
 Ion Ratio Lower Upper
 164 100
 162 99.4 81.4 122.2
 160 44.3 36.6 54.8

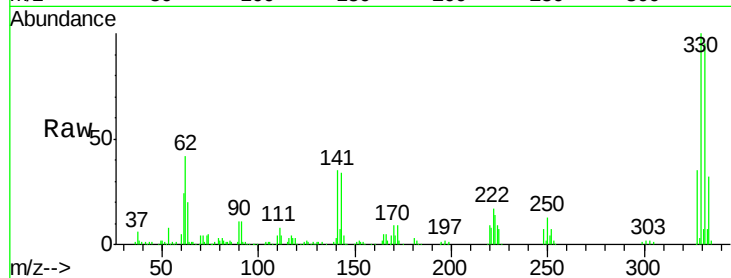




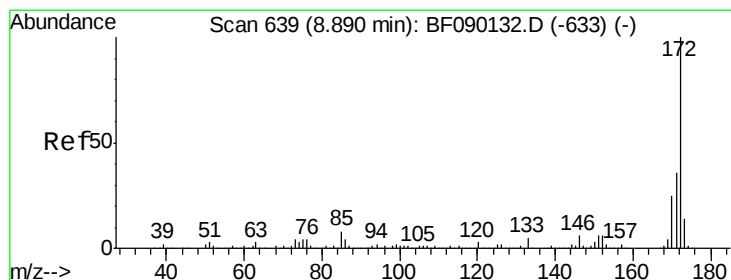
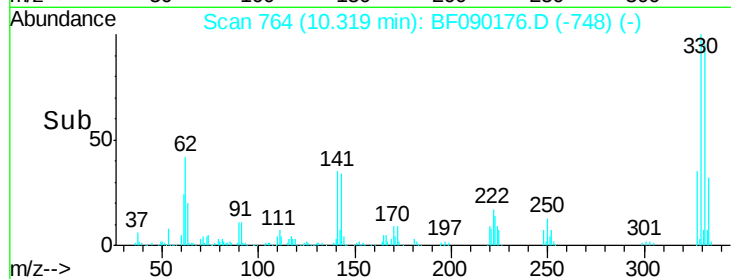
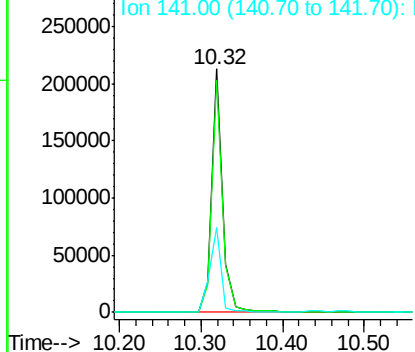
#41
 2,4,6-Tribromophenol
 Concen: 103.47 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090176.D
 Acq: 21 Sep 2016 23:09

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tgt Ion:330 Resp: 203906
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.1 117.1
 141 36.9 23.9 35.9#

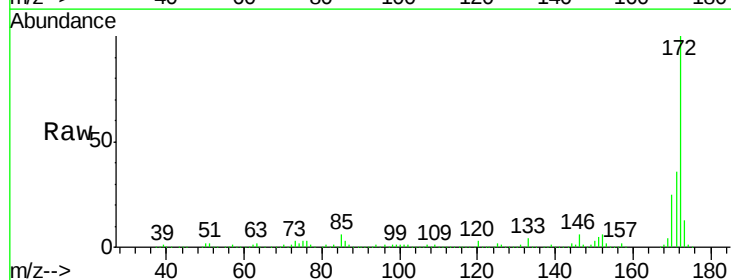


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

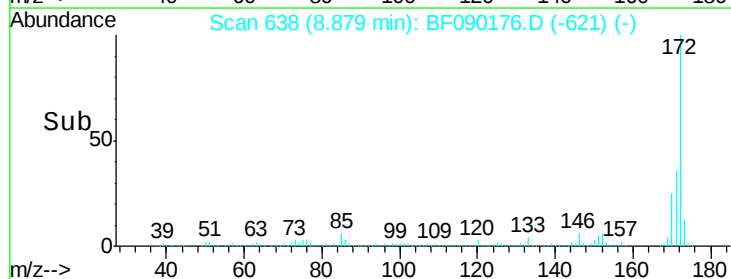
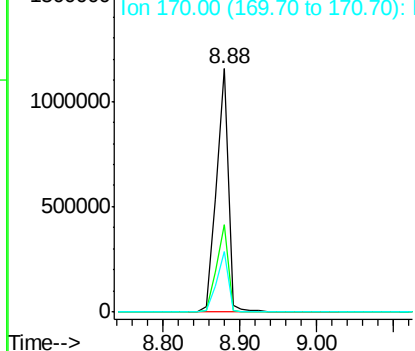


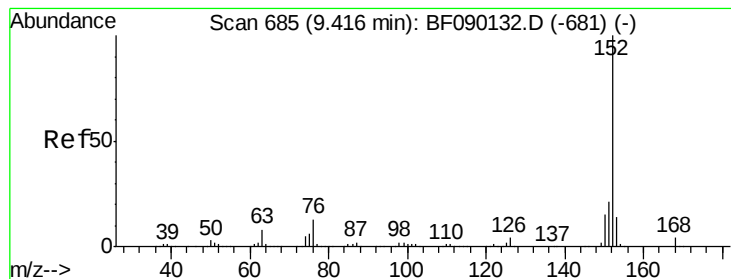
#44
 2-Fluorobiphenyl
 Concen: 105.31 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090176.D
 Acq: 21 Sep 2016 23:09

Tgt Ion:172 Resp: 1232157
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.7 19.8 29.8



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





#48

Acenaphthylene

Concen: 6.89 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

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ClientSampleId :

DUP

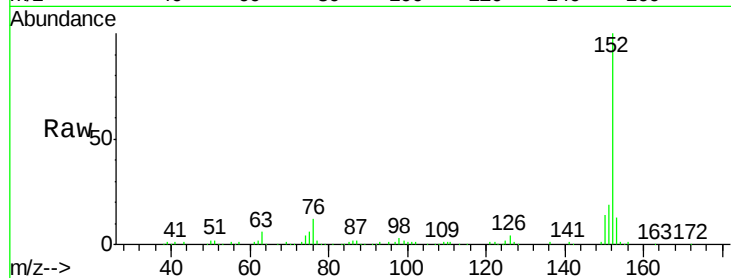
Tgt Ion:152 Resp: 135560

Ion Ratio Lower Upper

152 100

151 19.2 16.5 24.7

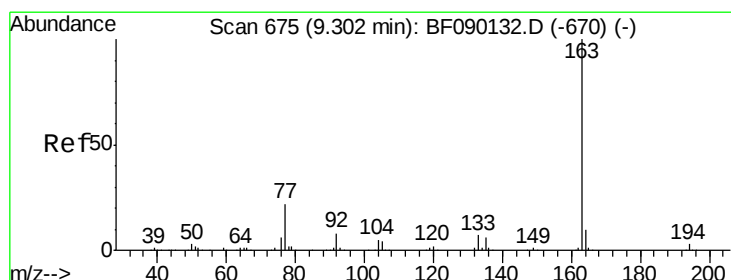
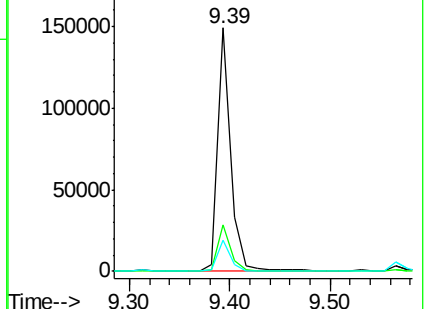
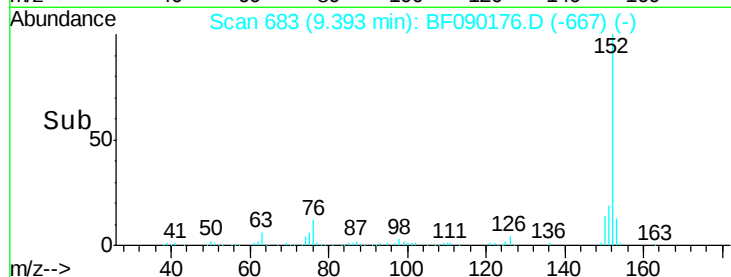
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 18.50 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

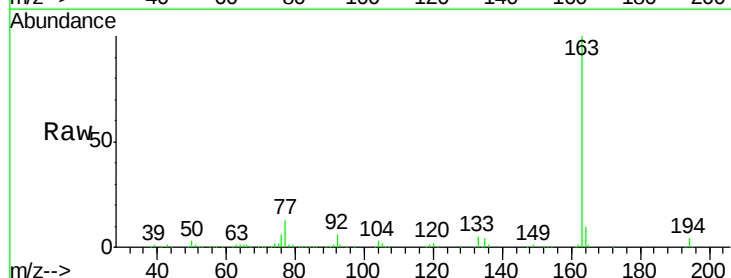
Tgt Ion:163 Resp: 270668

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

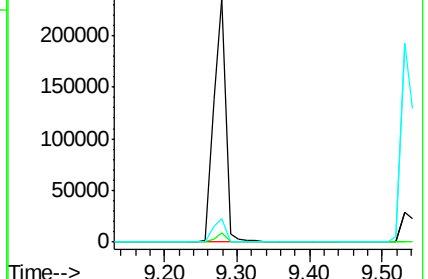
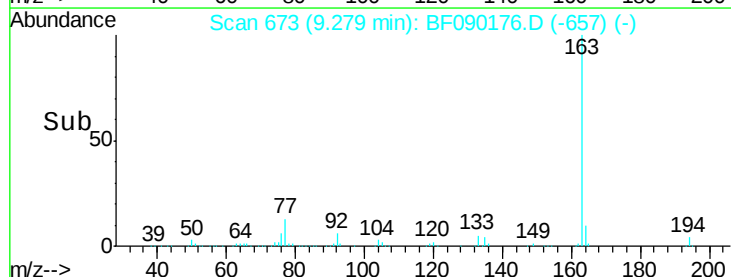
164 9.6 8.1 12.1

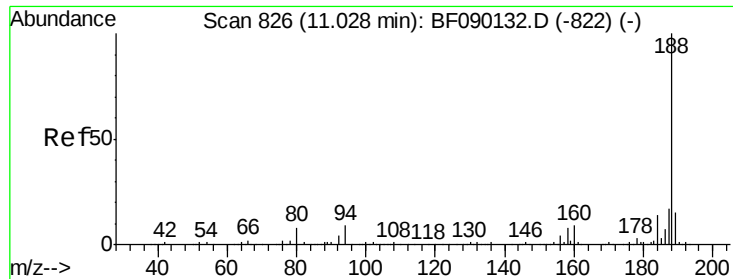


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

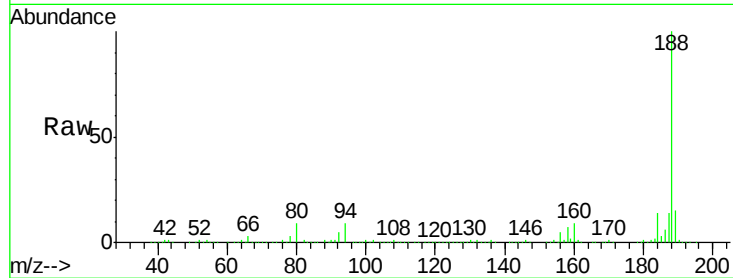




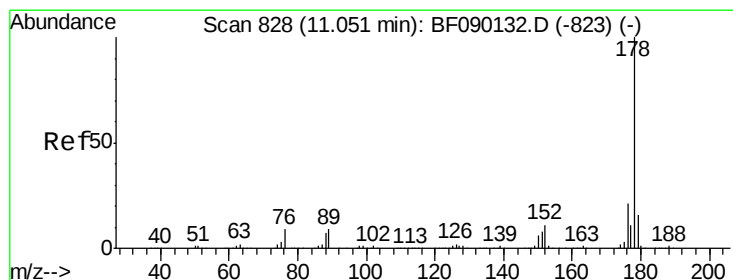
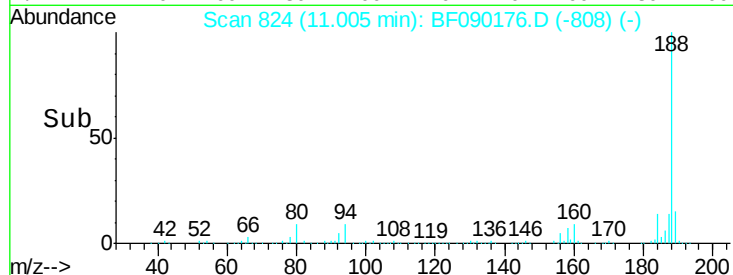
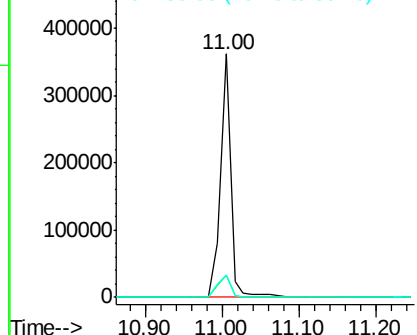
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090176.D
Acq: 21 Sep 2016 23:09

Instrument :
BNA_F
ClientSampled :
DUP

Tgt Ion:188 Resp: 337094
Ion Ratio Lower Upper
188 100
94 9.0 10.5 15.7#
80 9.2 11.2 16.8#

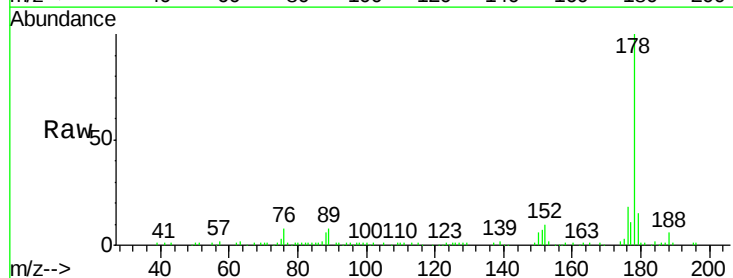


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

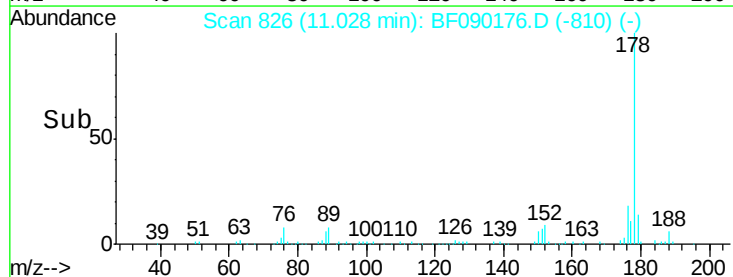
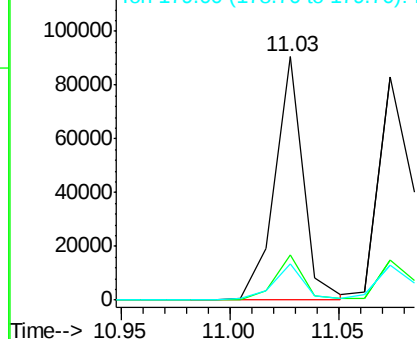


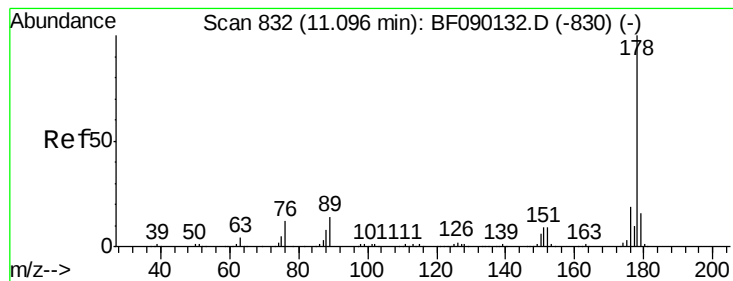
#70
Phenanthrene
Concen: 5.24 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090176.D
Acq: 21 Sep 2016 23:09

Tgt Ion:178 Resp: 82679
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.9 12.9 19.3



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: 5.91 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

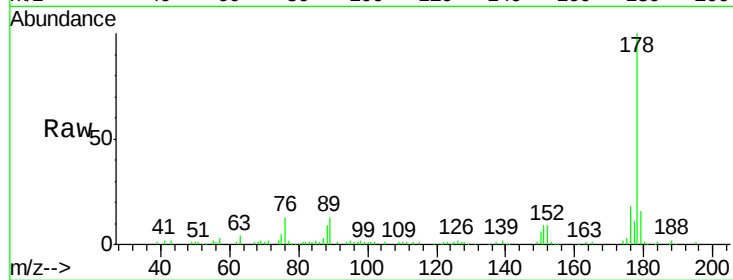
Tgt Ion:178 Resp: 97693

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.6

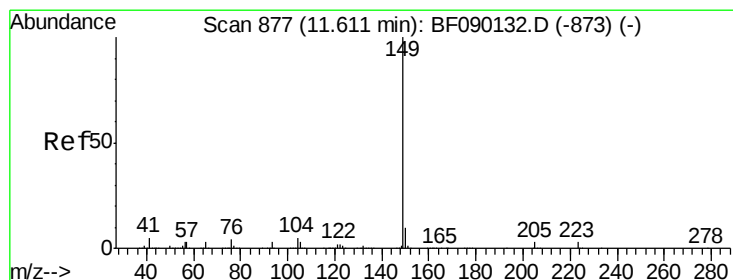
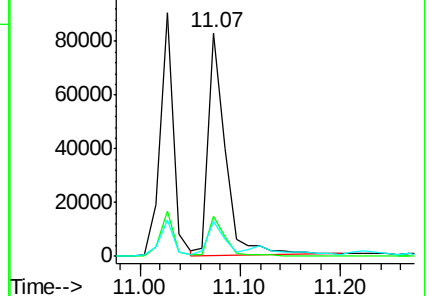
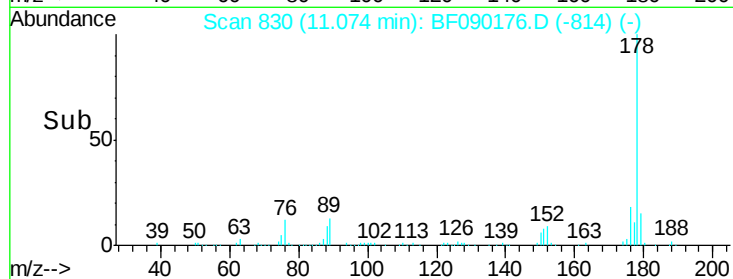
179 15.7 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 2.77 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

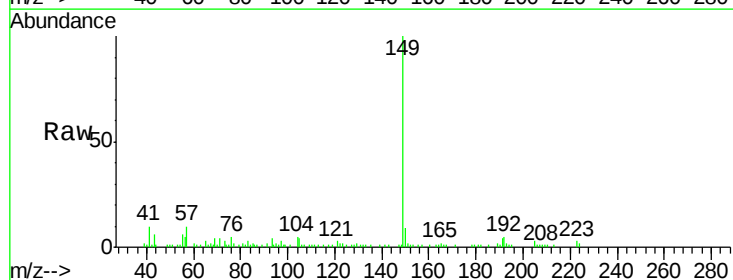
Tgt Ion:149 Resp: 56255

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.8

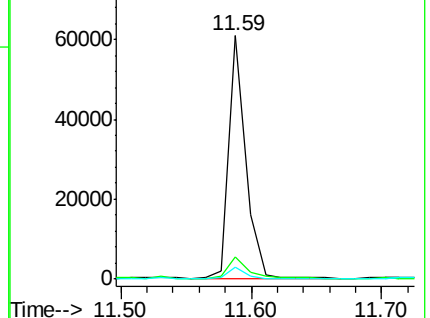
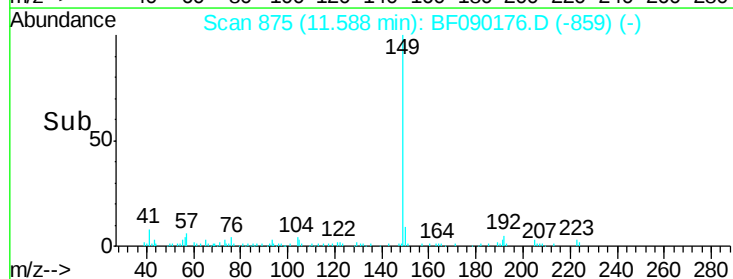
104 5.1 3.9 5.9

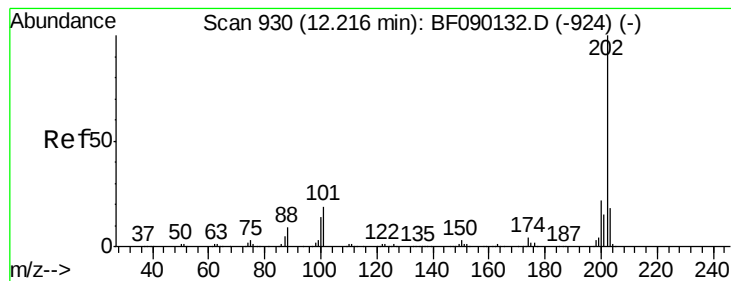


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 28.08 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

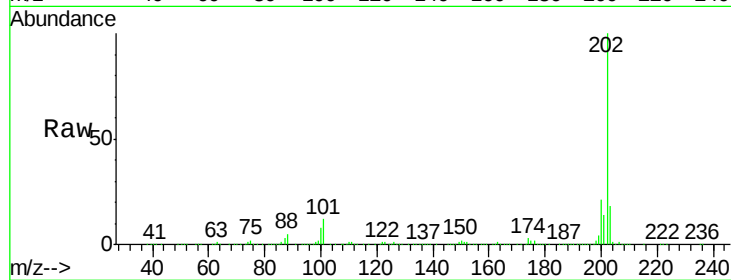
Tgt Ion:202 Resp: 475150

Ion Ratio Lower Upper

202 100

101 11.6 0.0 36.1

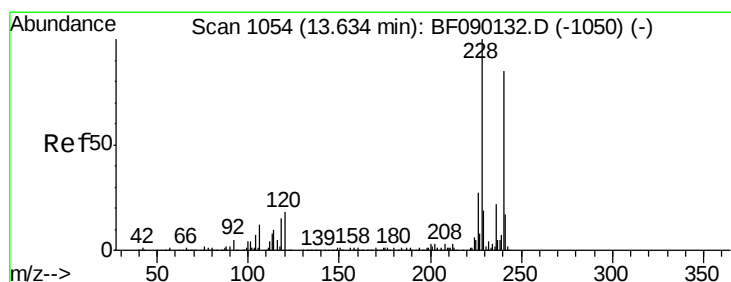
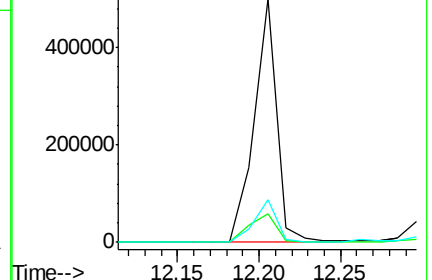
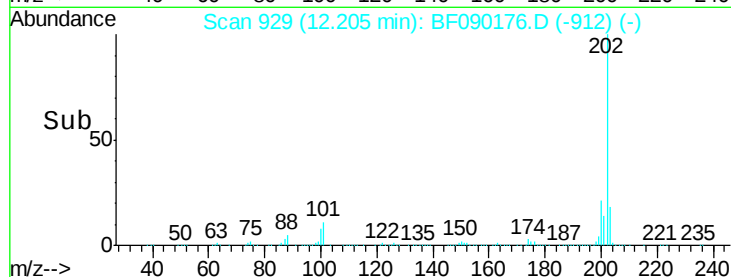
203 17.6 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

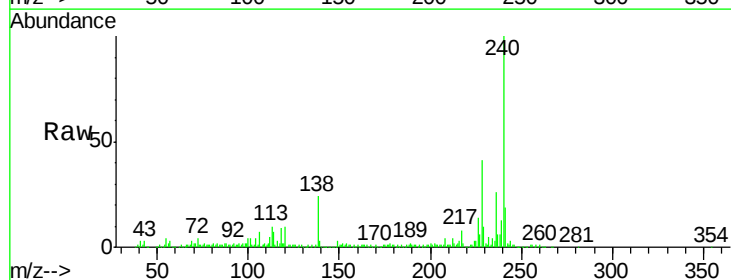
Tgt Ion:240 Resp: 278281

Ion Ratio Lower Upper

240 100

120 9.8 10.6 16.0#

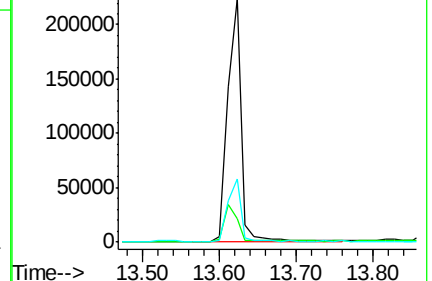
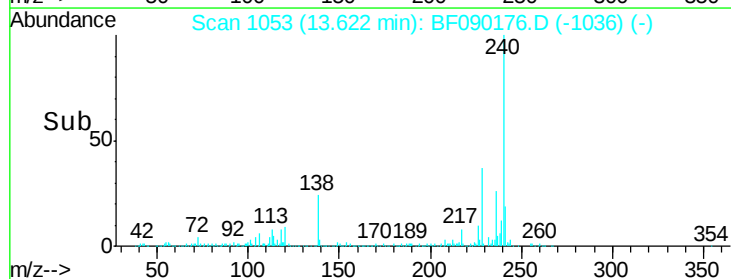
236 25.8 21.6 32.4

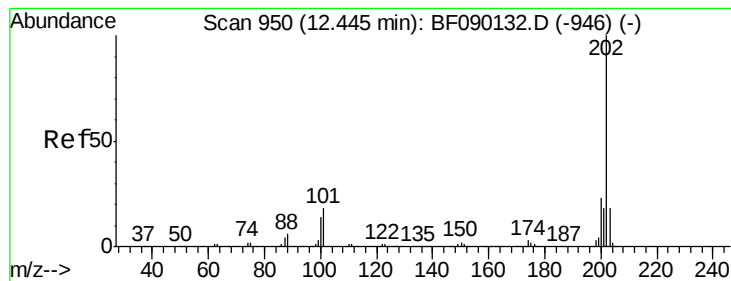


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 27.31 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

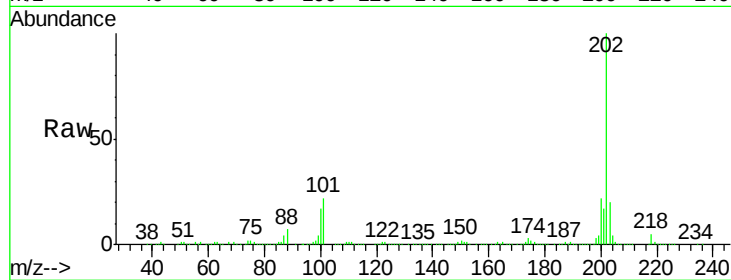
Tgt Ion:202 Resp: 520111

Ion Ratio Lower Upper

202 100

200 22.0 17.9 26.9

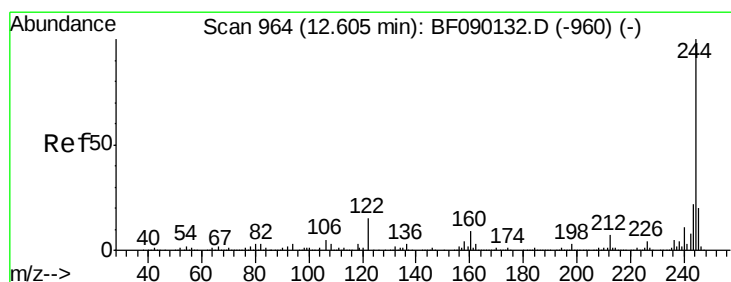
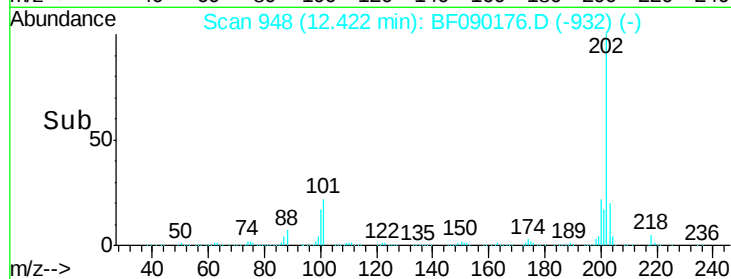
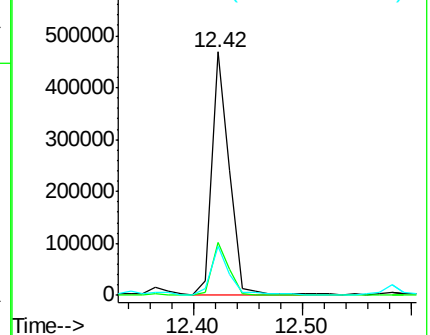
203 20.2 14.2 21.4



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: 79.09 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

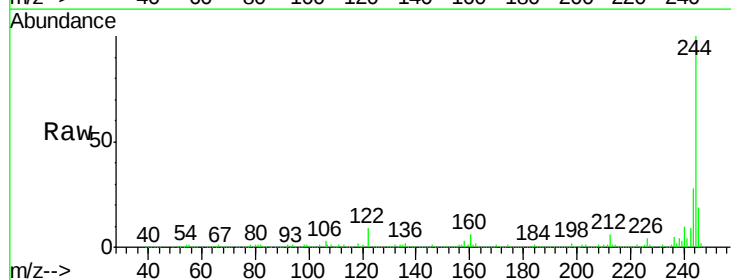
Tgt Ion:244 Resp: 866864

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

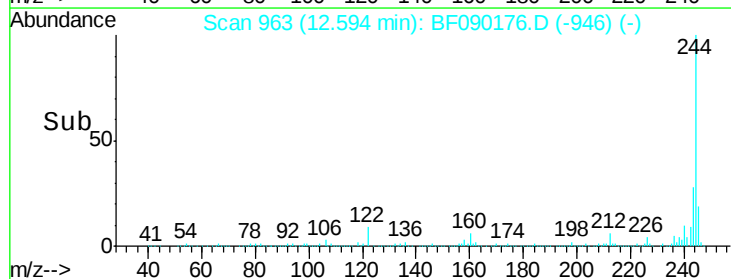
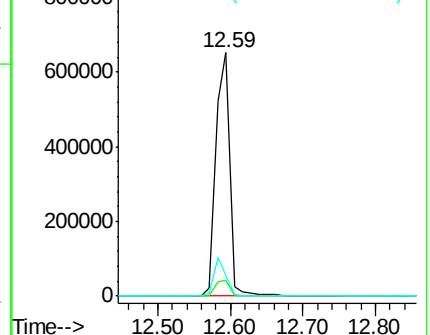
122 8.6 9.4 14.0#

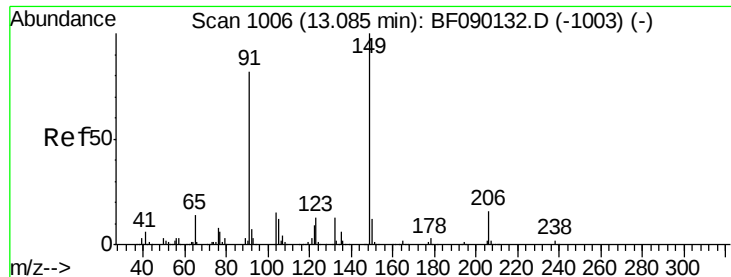


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 25.68 ng

RT: 13.07 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

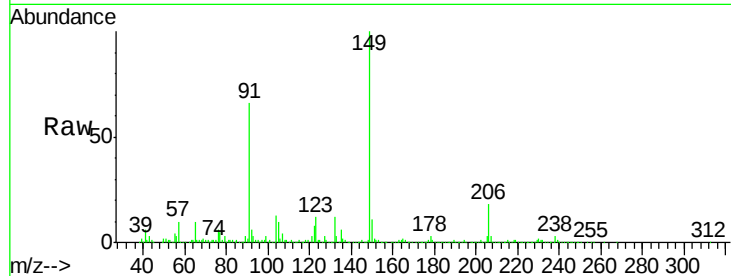
Tgt Ion:149 Resp: 239177

Ion Ratio Lower Upper

149 100

91 66.1 49.8 74.6

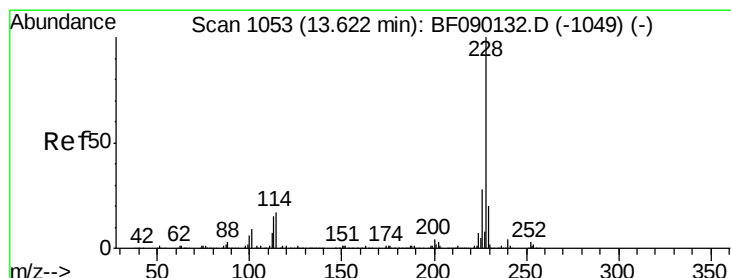
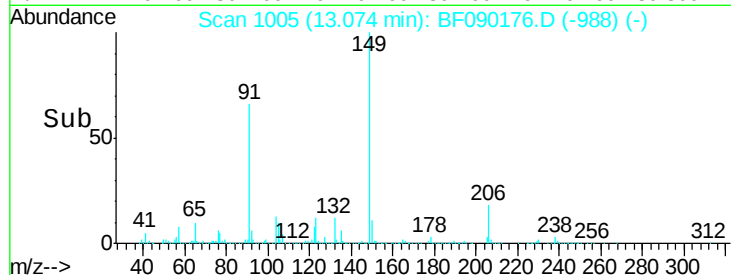
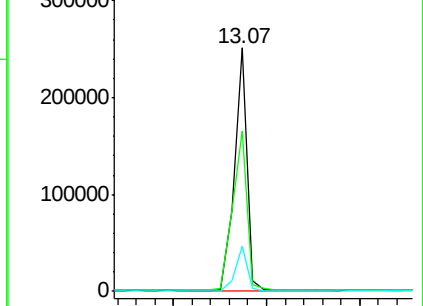
206 18.4 16.3 24.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 49.92 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

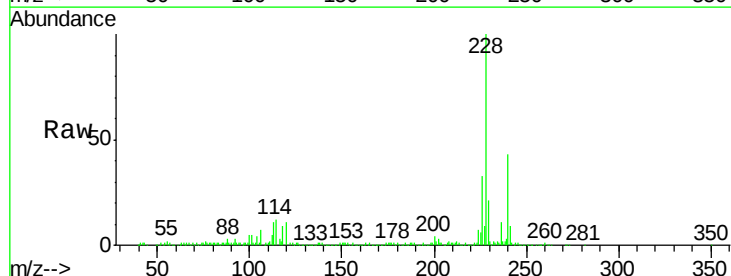
Tgt Ion:228 Resp: 747420

Ion Ratio Lower Upper

228 100

226 32.8 22.0 33.0

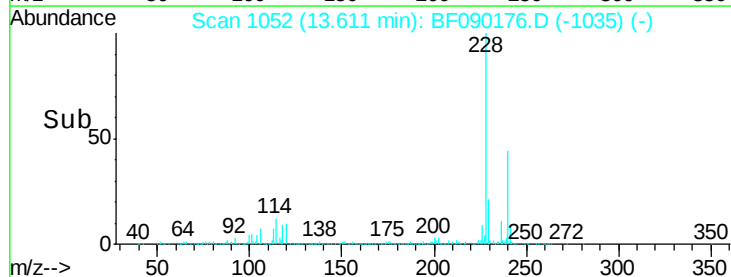
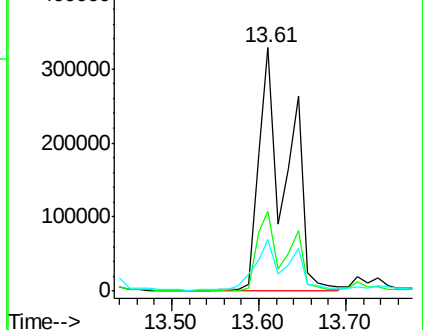
229 21.2 16.2 24.2

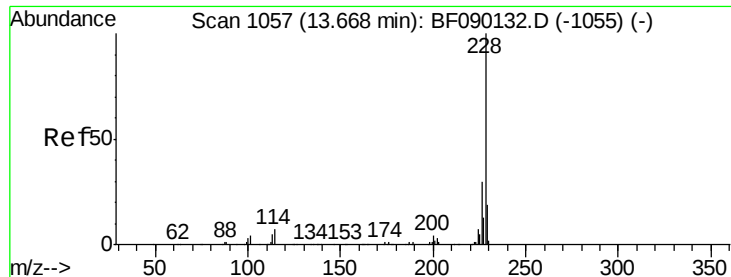


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 51.25 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

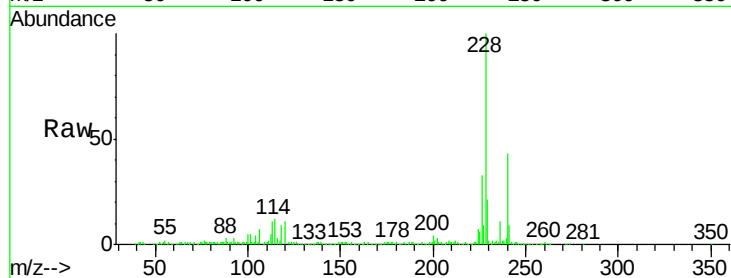
Tgt Ion:228 Resp: 747420

Ion Ratio Lower Upper

228 100

226 32.8 24.6 37.0

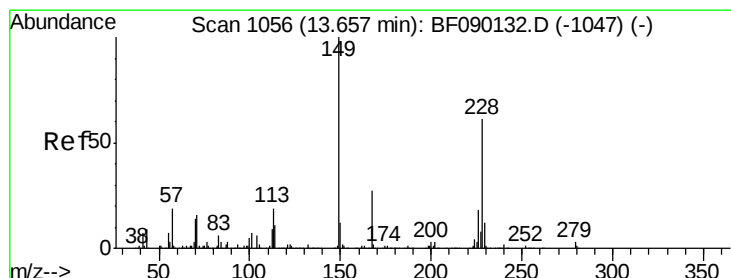
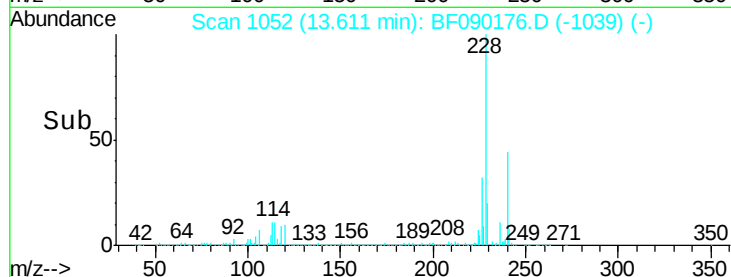
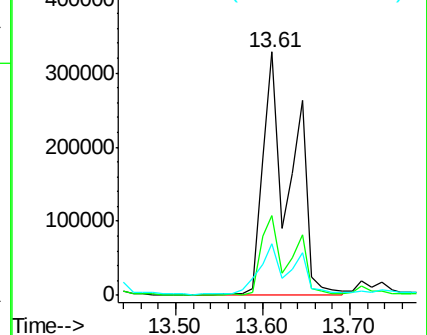
229 21.2 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 20.14 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

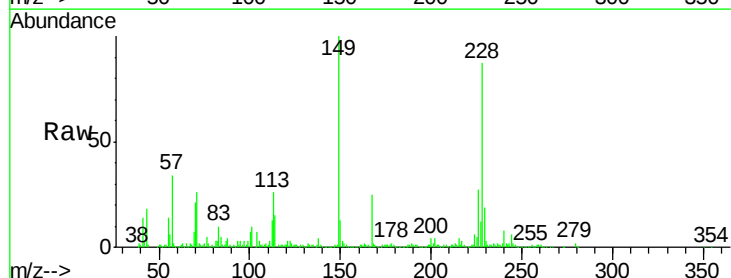
Tgt Ion:149 Resp: 240049

Ion Ratio Lower Upper

149 100

167 24.6 21.2 31.8

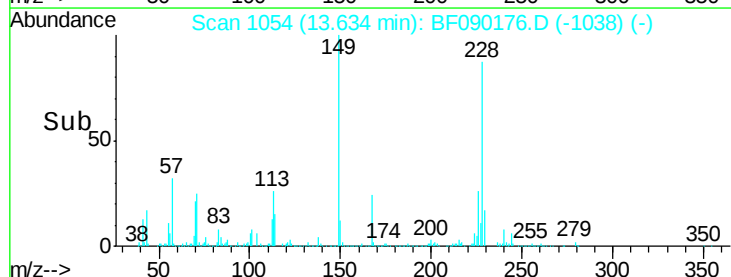
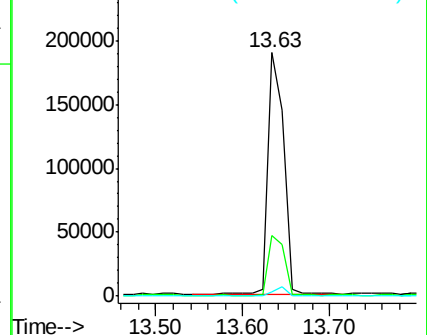
279 2.0 2.2 3.2#

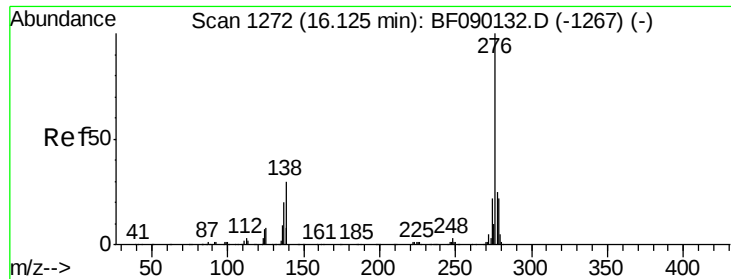


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

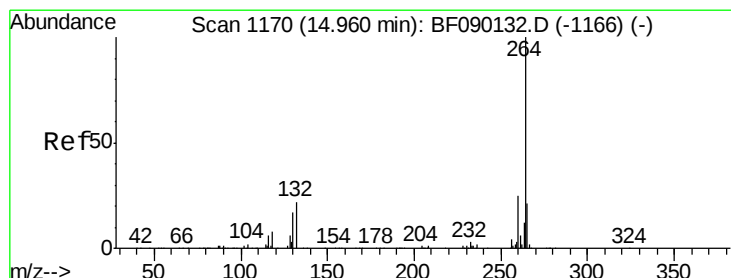
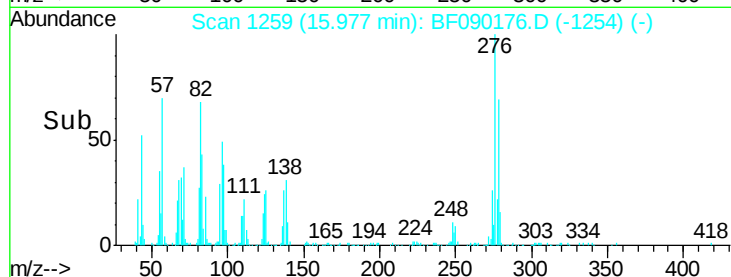
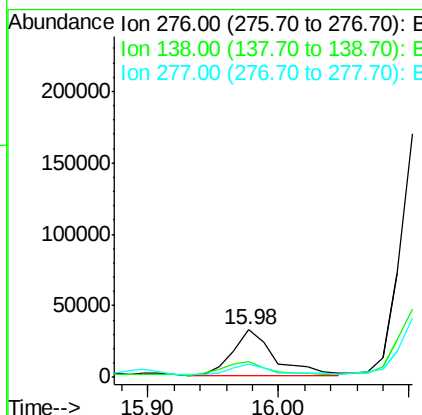
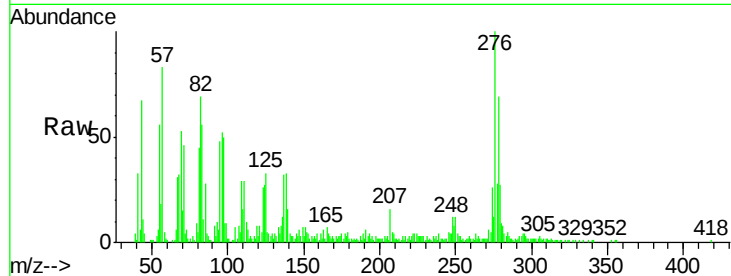




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.97 ng
RT: 15.98 min Scan# 1259
Delta R.T. -0.15 min
Lab File: BF090176.D
Acq: 21 Sep 2016 23:09

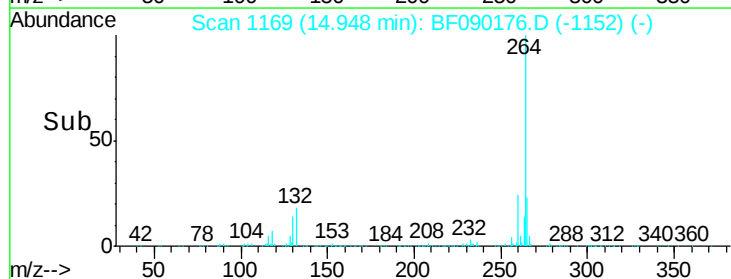
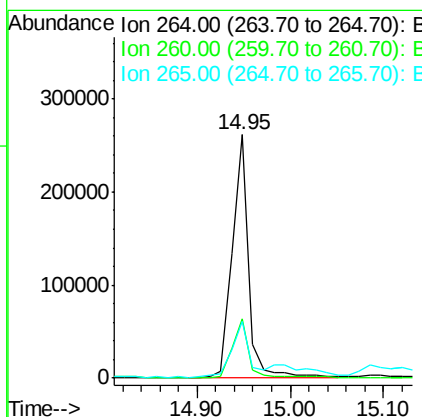
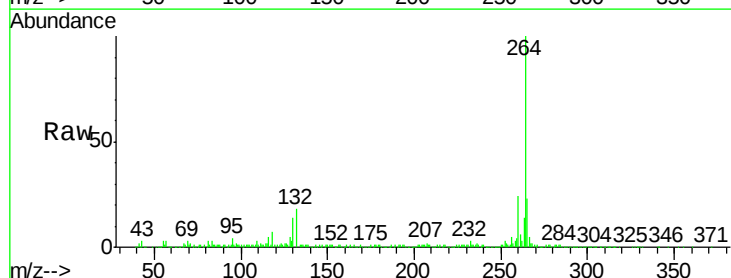
Instrument :
BNA_F
ClientSampleId :
DUP

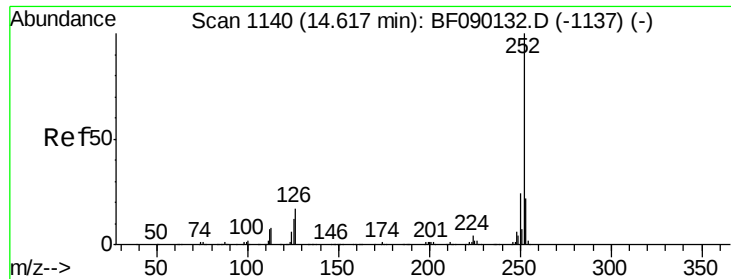
Tgt Ion: 276 Resp: 70358
Ion Ratio Lower Upper
276 100
138 32.7 25.9 38.9
277 23.4 19.9 29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF090176.D
Acq: 21 Sep 2016 23:09

Tgt Ion: 264 Resp: 321943
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 23.2 17.0 25.4





#87

Benzo(b)fluoranthene

Concen: 53.36 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.01 min

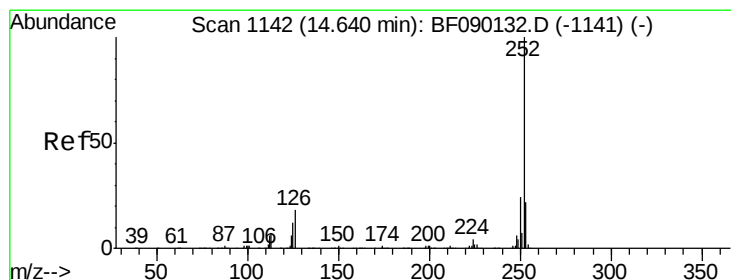
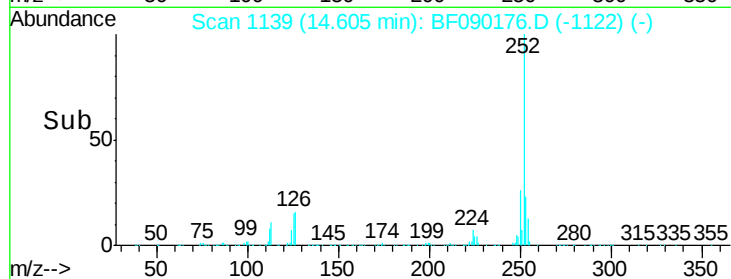
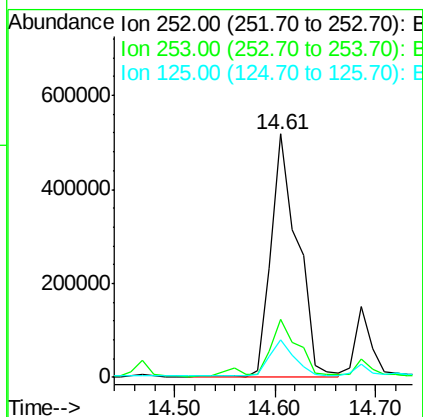
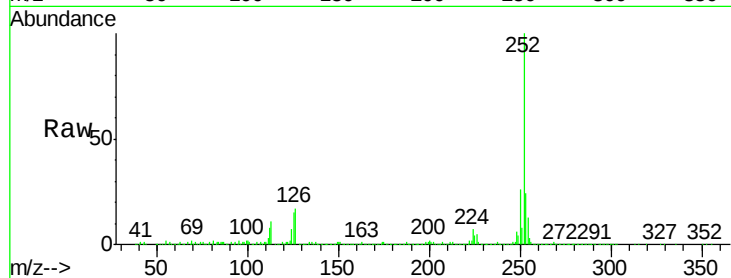
Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion: 252 Resp: 951314

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	15.3	12.7	19.1



#88

Benzo(k)fluoranthene

Concen: 56.86 ng

RT: 14.61 min Scan# 1139

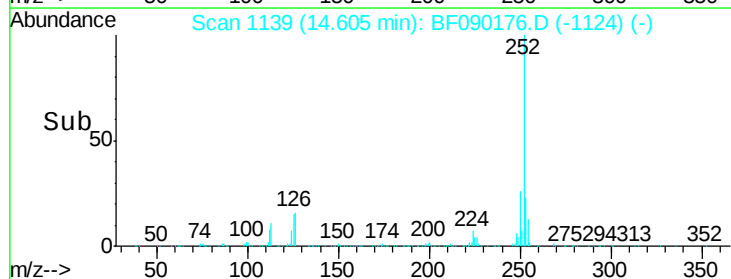
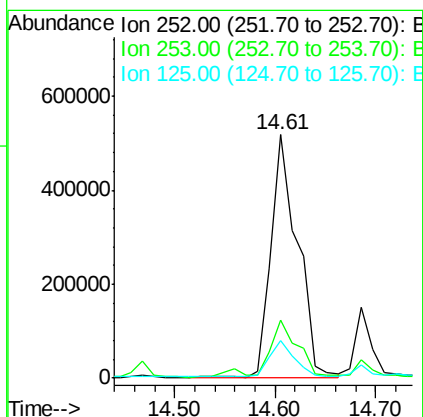
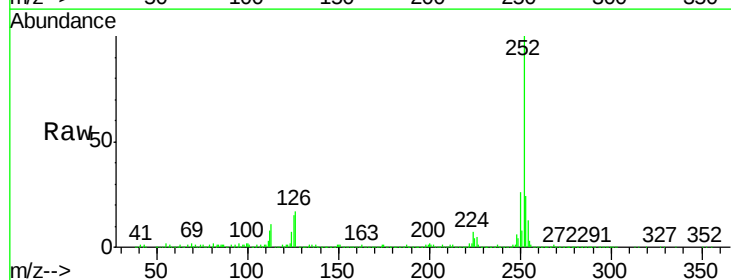
Delta R.T. -0.03 min

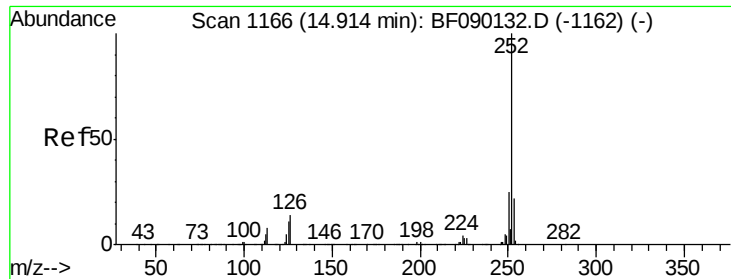
Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Tgt Ion: 252 Resp: 951314

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.3	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 25.47 ng

RT: 14.89 min Scan# 1164

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampled :

DUP

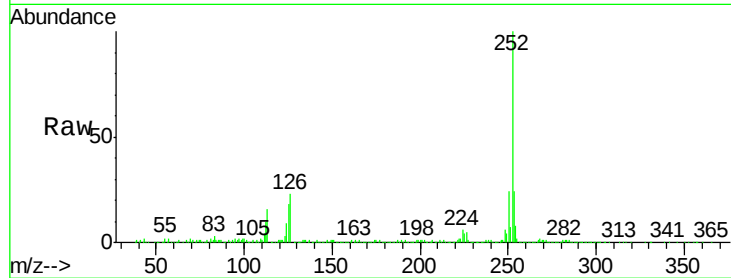
Tgt Ion:252 Resp: 427205

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

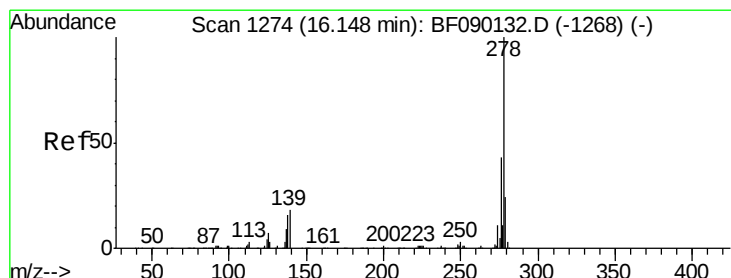
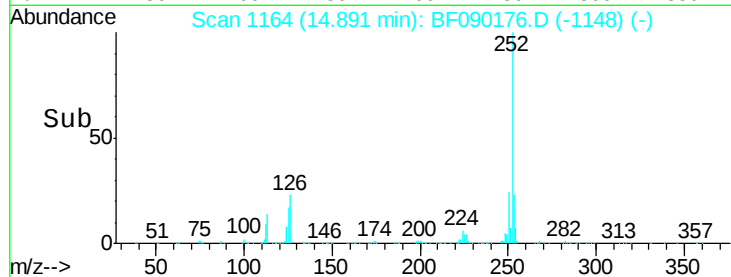
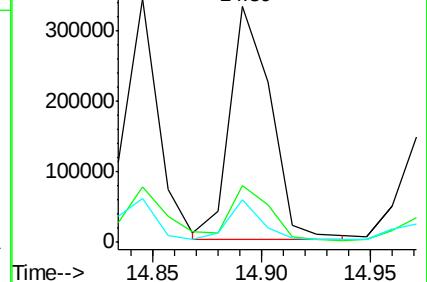
125 18.2 7.7 11.5#



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: 4.27 ng

RT: 16.25 min Scan# 1283

Delta R.T. 0.10 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

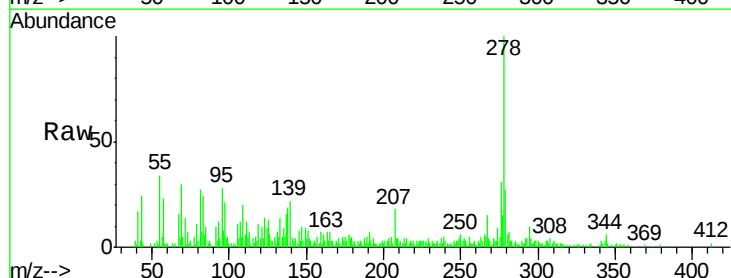
Tgt Ion:278 Resp: 55889

Ion Ratio Lower Upper

278 100

139 21.8 14.6 21.8

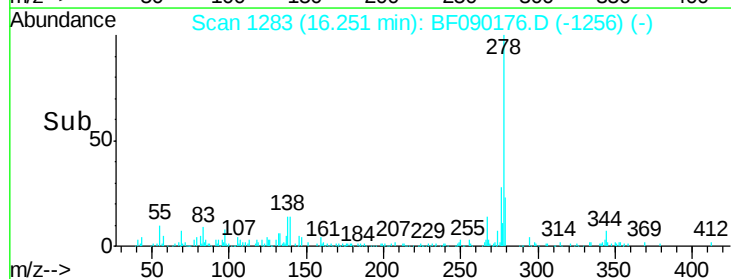
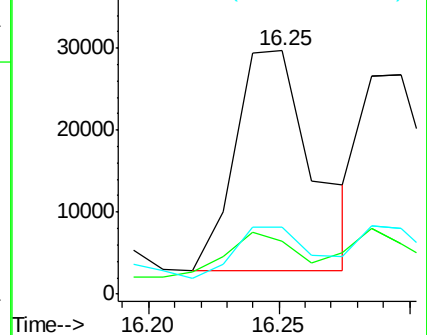
279 27.5 18.8 28.2

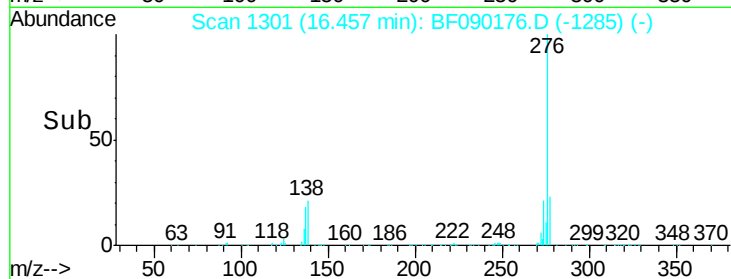
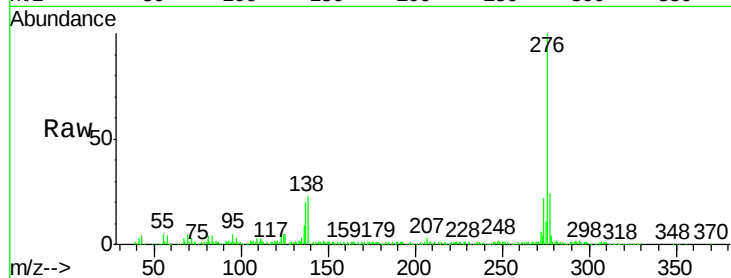
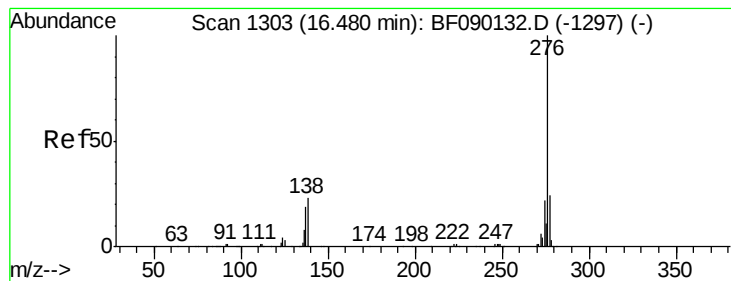


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 21.71 ng

RT: 16.46 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF090176.D

Acq: 21 Sep 2016 23:09

Instrument :

BNA_F

ClientSampleId :

DUP

Tgt Ion: 276 Resp: 278054

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 23.1 23.3 34.9#

