

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089079.D
 Acq On : 17 Jul 2016 15:42
 Operator : UM/SJ
 Sample : H4046-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C5-1

Quant Time: Jul 18 03:48:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

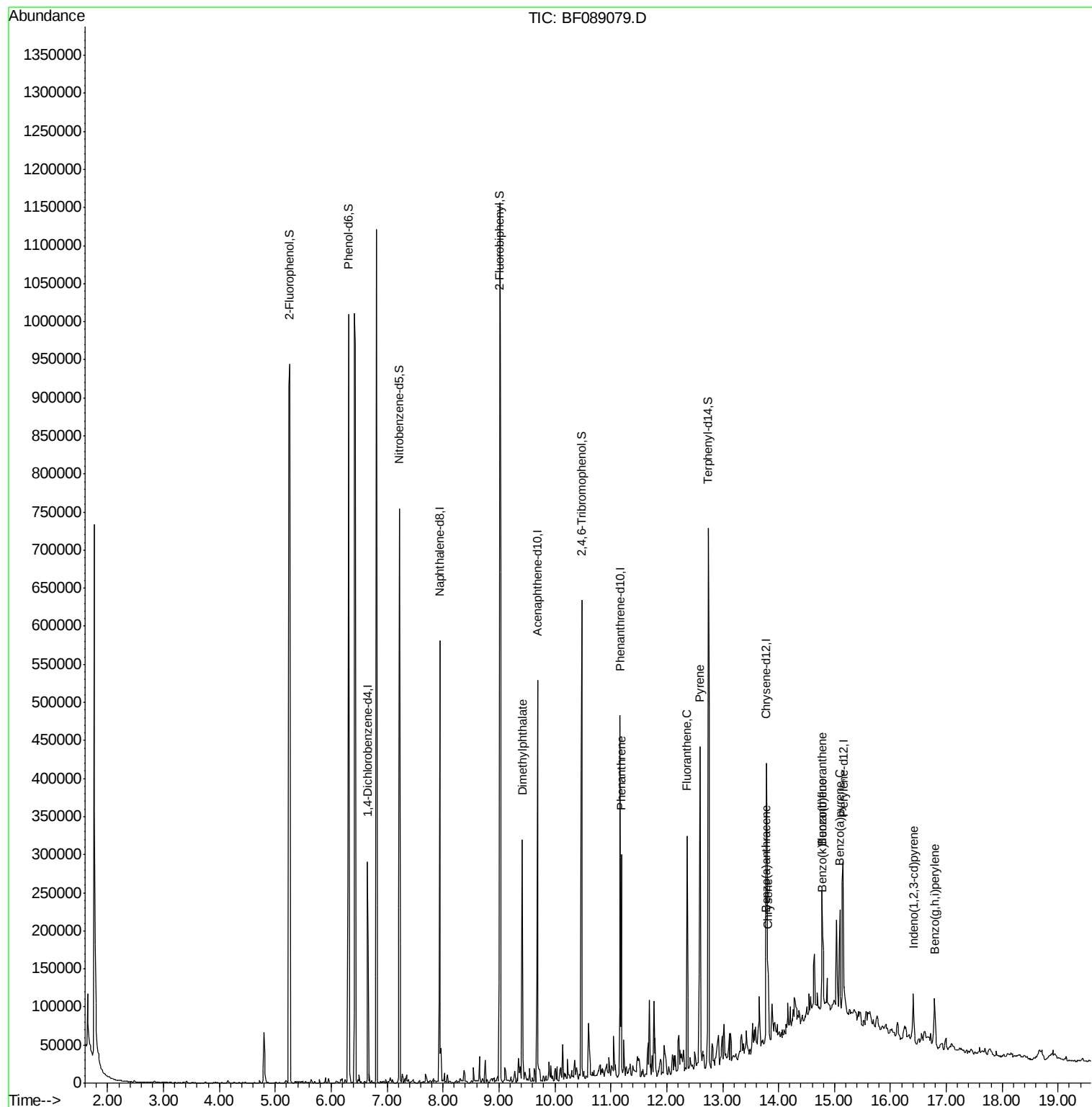
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	52262	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	229187	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	96894	20.00	ng	-0.06
63) Phenanthrene-d10	11.17	188	157956	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	104554	20.00	ng	-0.07
86) Perylene-d12	15.15	264	93977	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	393782	112.92	ng	-0.03
7) Phenol-d6	6.31	99	510639	113.33	ng	-0.05
23) Nitrobenzene-d5	7.22	82	282677	64.64	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	79144	87.96	ng	-0.06
44) 2-Fluorobiphenyl	9.02	172	458675	74.77	ng	-0.06
78) Terphenyl-d14	12.74	244	259549	55.29	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	108658	15.74	ng	99
70) Phenanthrene	11.19	178	99796	11.56	ng	98
74) Fluoranthene	12.37	202	117556	13.43	ng	98
77) Pyrene	12.59	202	157111	17.72	ng	99
80) Benzo(a)anthracene	13.77	228	52871m	7.85	ng	
82) Chrysene	13.82	228	48943	7.35	ng	98
85) Indeno(1,2,3-cd)pyrene	16.41	276	37416	7.30	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	66584m	11.29	ng	
88) Benzo(k)fluoranthene	14.79	252	23799m	4.64	ng	
89) Benzo(a)pyrene	15.10	252	54352m	10.89	ng	
91) Benzo(g,h,i)perylene	16.79	276	46213	10.71	ng	99

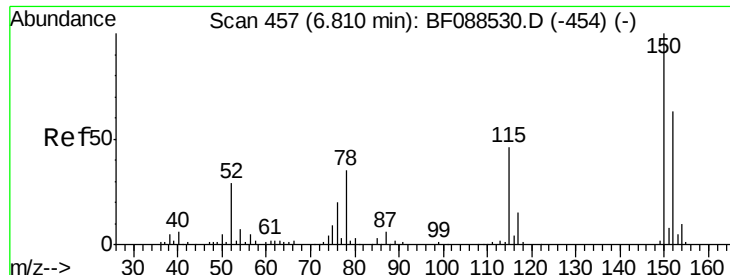
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

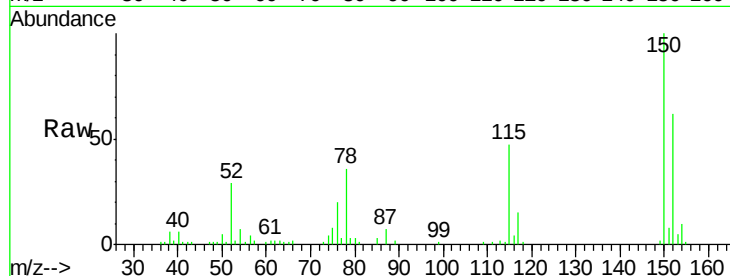
Tot Ion:152 Resp: 52262

Ion Ratio Lower Upper

152 100

150 162.5 123.8 185.6

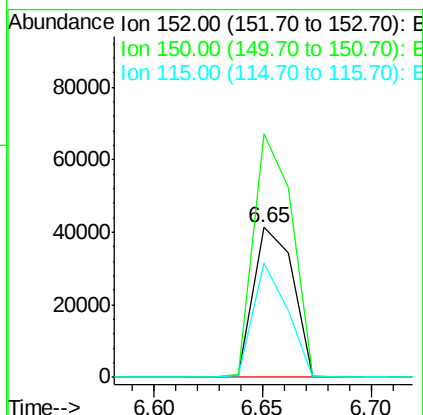
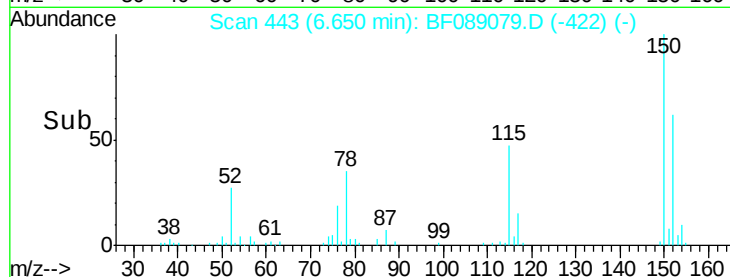
115 76.2 39.6 59.4#



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: 112.92 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.03 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

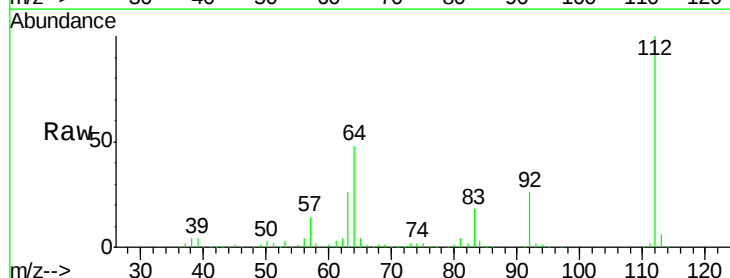
Tgt Ion:112 Resp: 393782

Ion Ratio Lower Upper

112 100

64 48.0 42.2 63.2

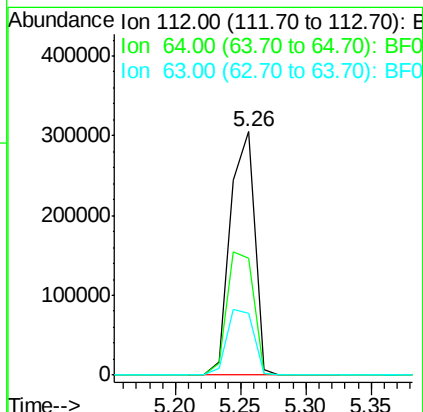
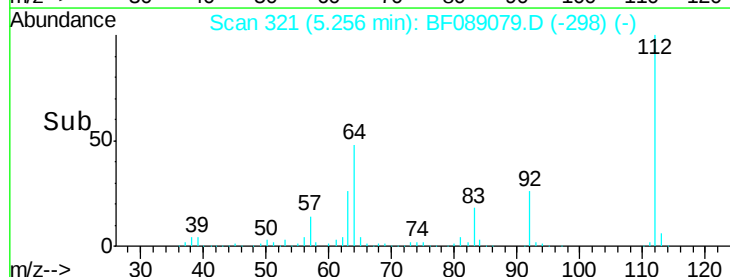
63 25.5 21.8 32.8

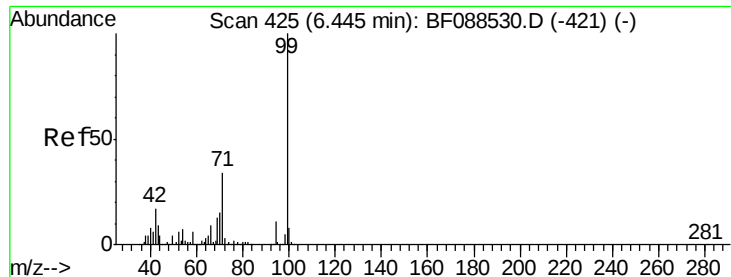


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.33 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

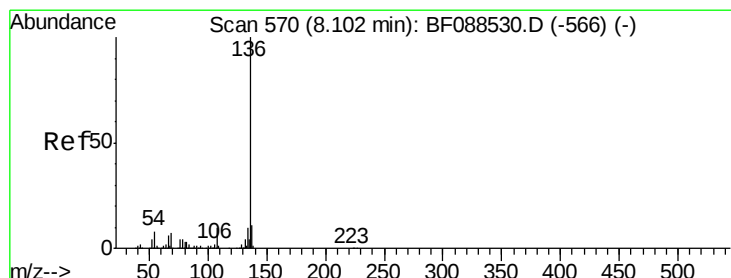
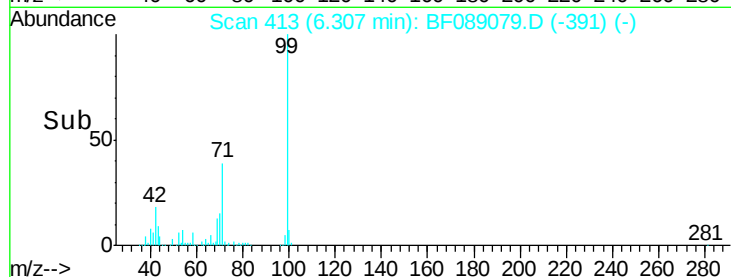
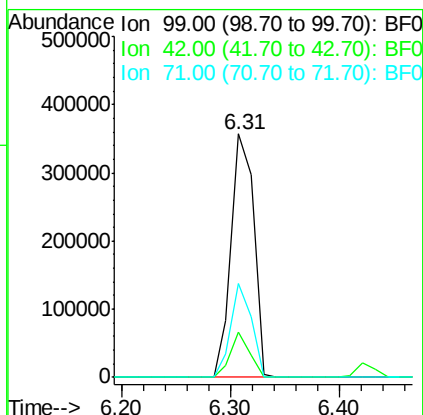
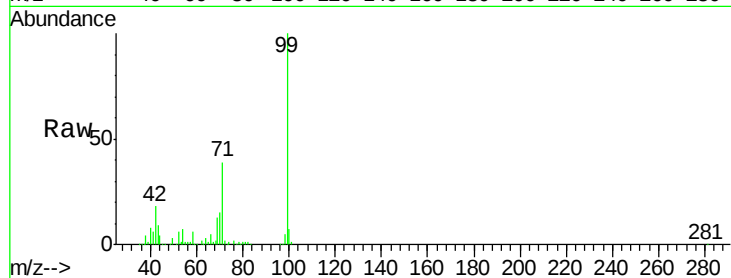
Tot Ion: 99 Resp: 510639

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 38.6 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Tgt Ion: 136 Resp: 229187

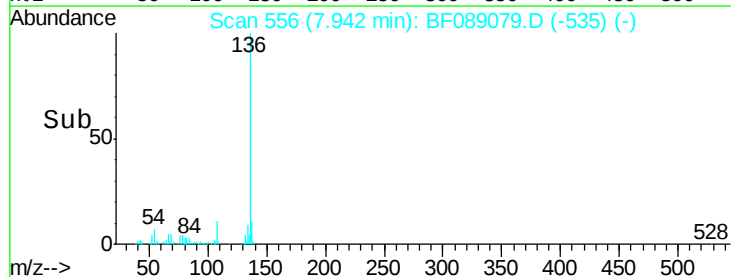
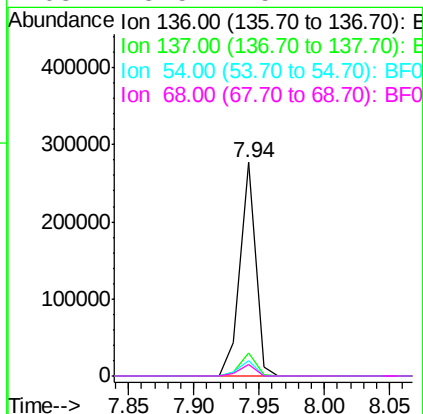
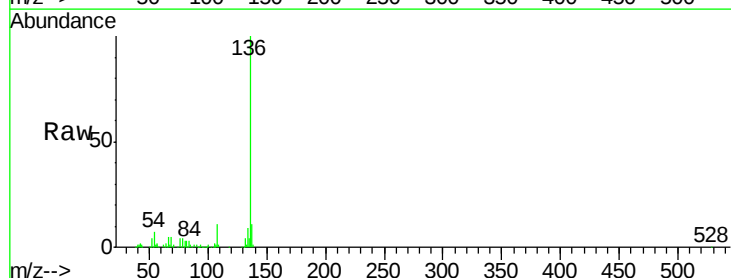
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.9 6.6 10.0

68 5.5 5.1 7.7

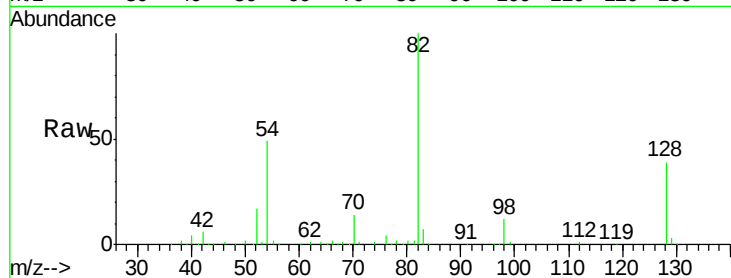




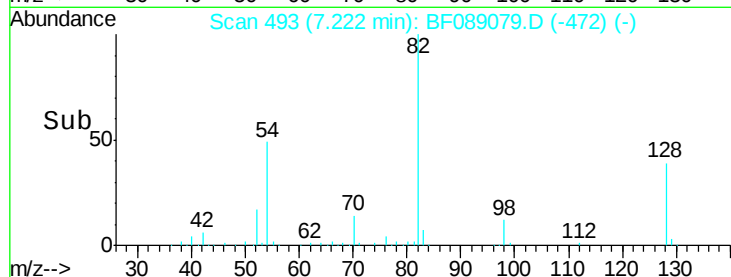
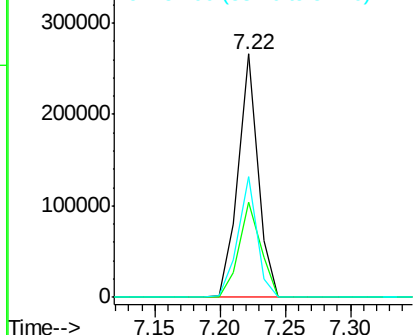
#23
 Nitrobenzene-d5
 Concen: 64.64 ng
 RT: 7.22 min Scan# 493
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Instrument :
 BNA_F
 ClientSampled :
 C5-1

Tot Ion	82	Resp	282677
Ion Ratio	Lower	Upper	
82	100		
128	39.2	35.9	53.9
54	49.4	40.9	61.3

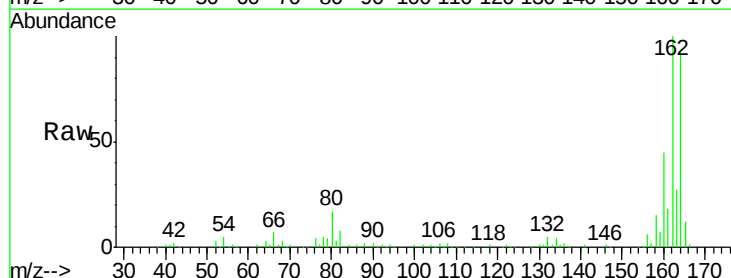


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

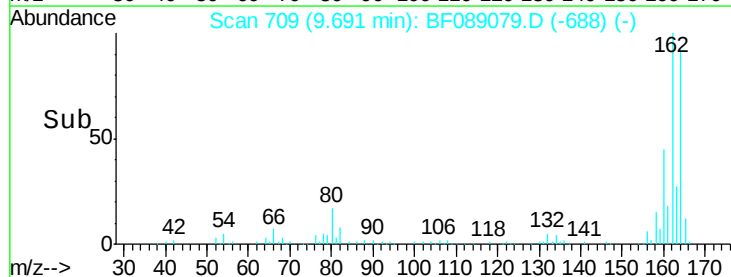
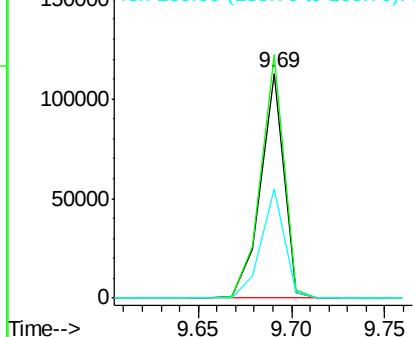


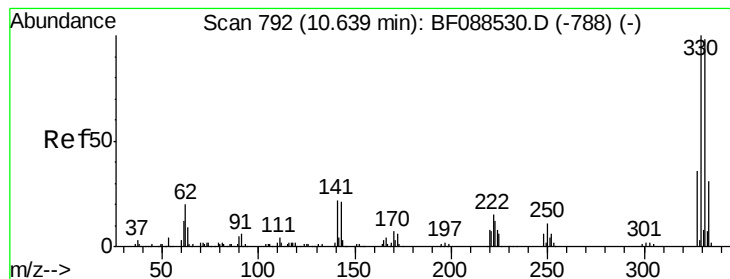
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Tgt Ion	164	Resp	96894
Ion Ratio	Lower	Upper	
164	100		
162	108.2	85.4	128.2
160	48.7	39.5	59.3



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: 87.96 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

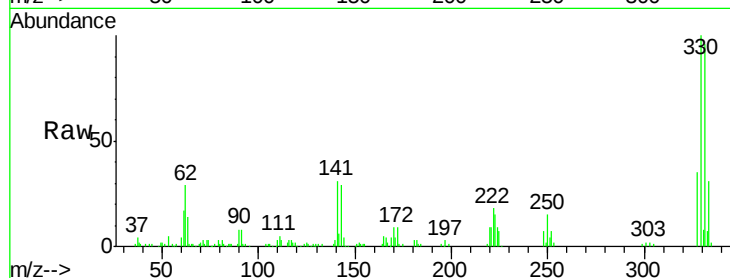
Tot Ion:330 Resp: 79144

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

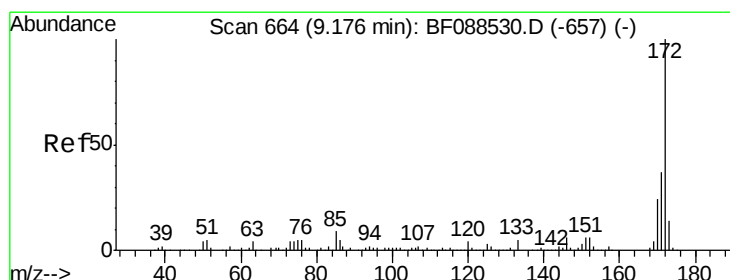
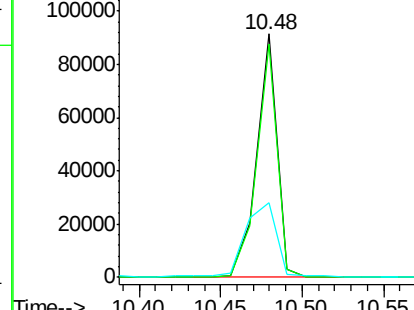
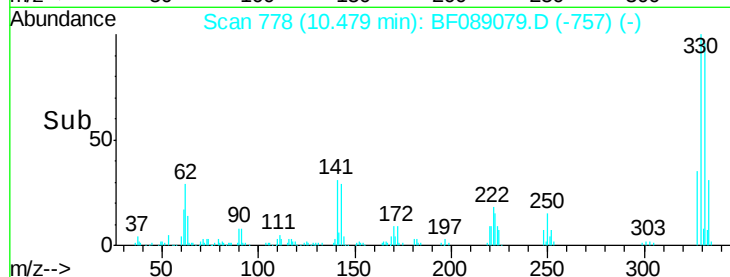
141 48.0 0.0 0.0#



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: 74.77 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

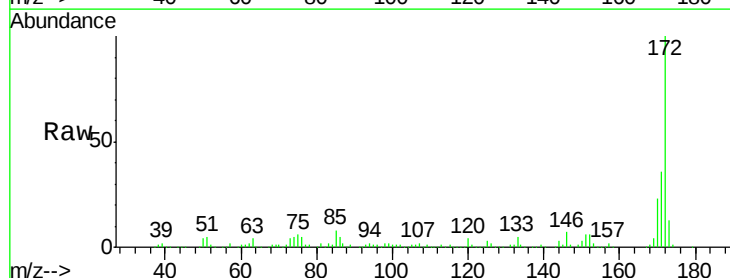
Tgt Ion:172 Resp: 458675

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

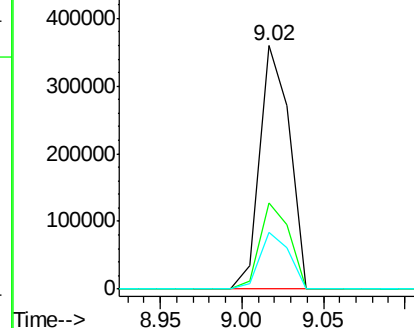
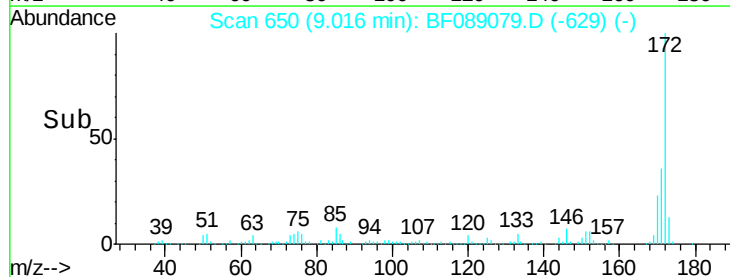
170 23.5 19.2 28.8

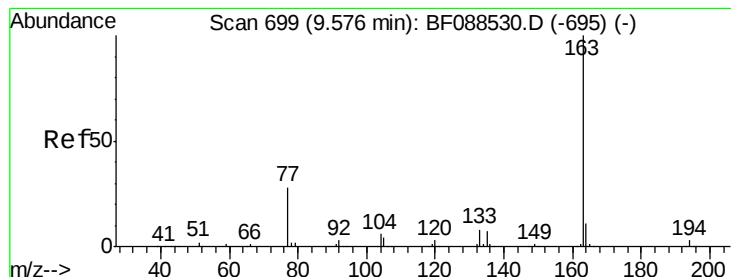


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.74 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

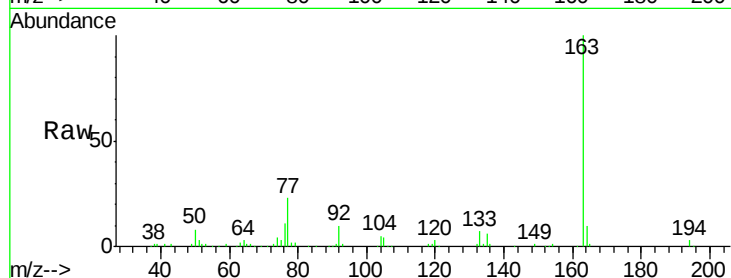
Tot Ion:163 Resp: 108658

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

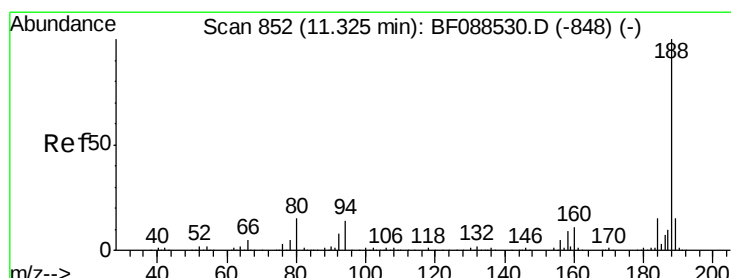
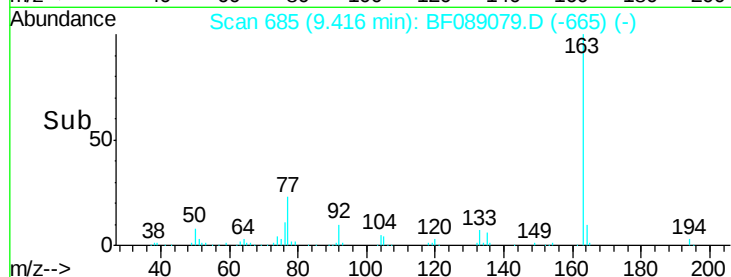
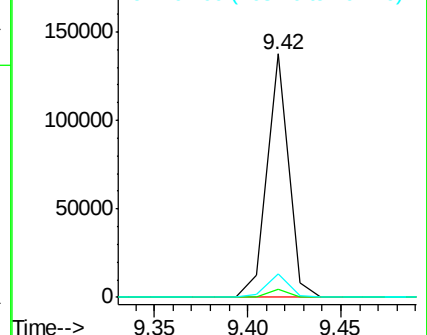
164 9.7 8.3 12.5



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: 11.17 min Scan# 838

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

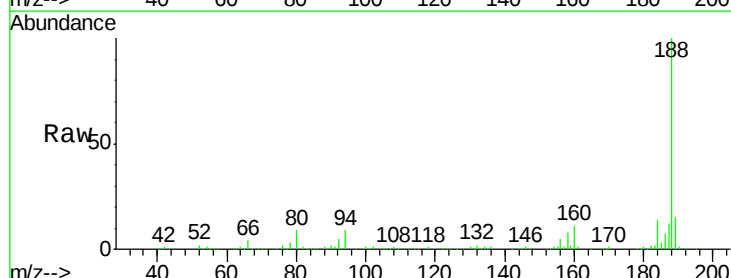
Tgt Ion:188 Resp: 157956

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.6#

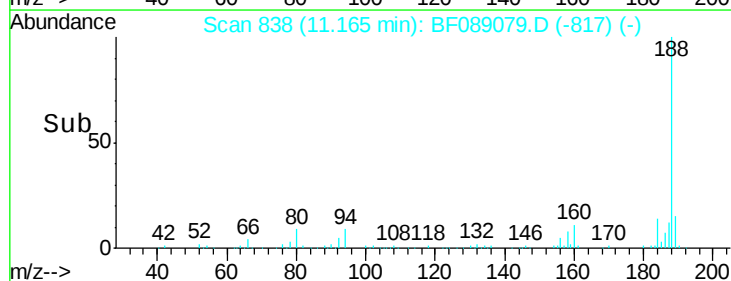
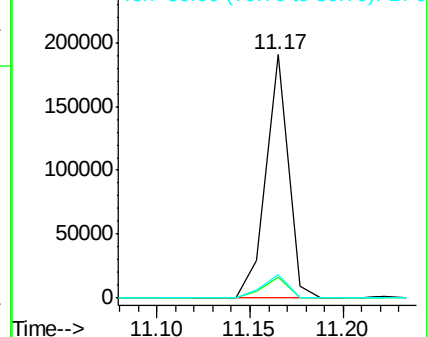
80 9.4 10.0 15.0#



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: 11.56 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

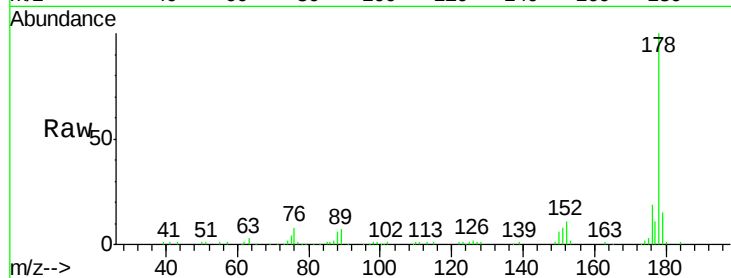
Tot Ion:178 Resp: 99796

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

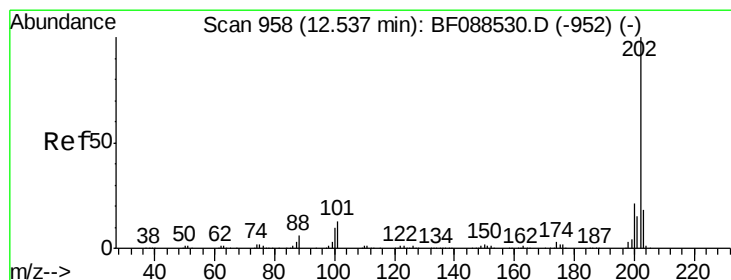
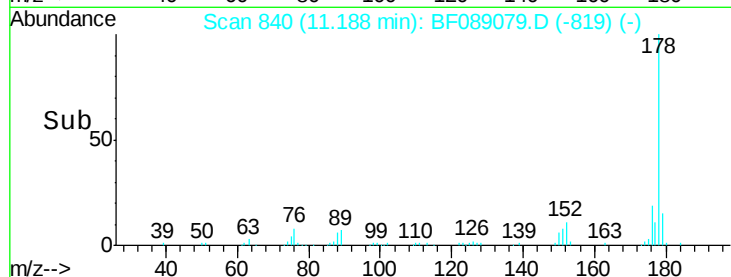
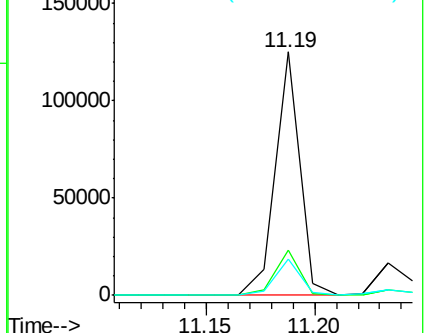
179 15.0 13.0 19.4



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: 13.43 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

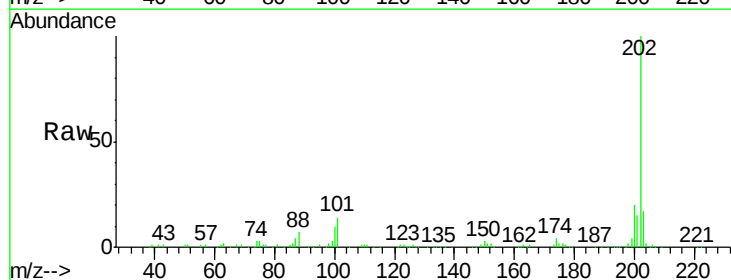
Tgt Ion:202 Resp: 117556

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.1

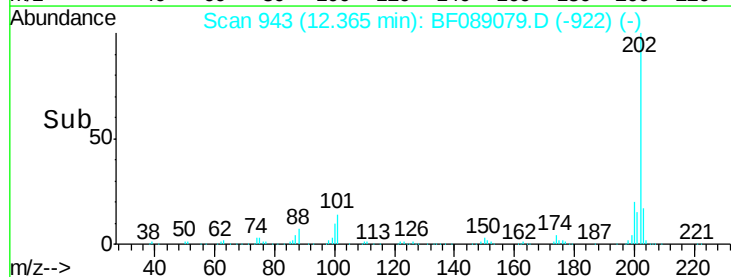
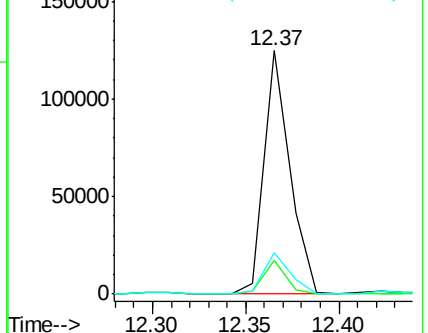
203 17.2 0.0 38.1



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: 13.78 min Scan# 1067

Delta R.T. -0.07 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampled :

C5-1

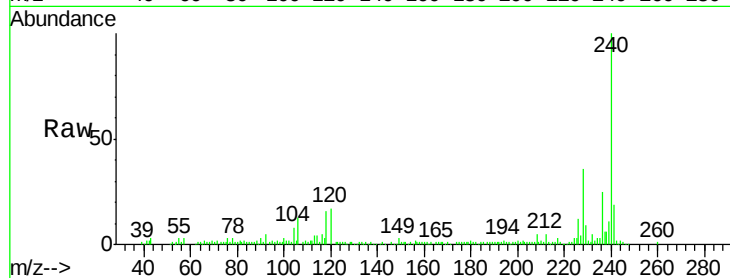
Tot Ion:240 Resp: 104554

Ion Ratio Lower Upper

240 100

120 17.5 6.8 10.2#

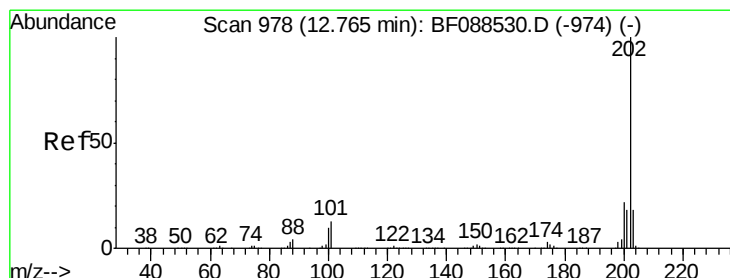
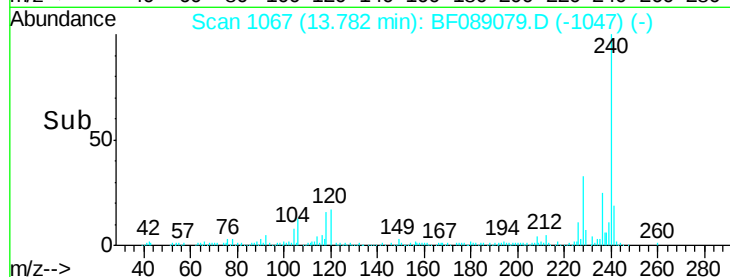
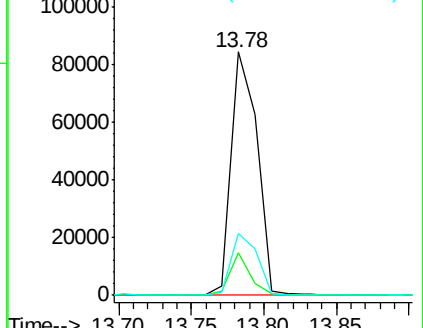
236 25.2 20.2 30.2



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: 17.72 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

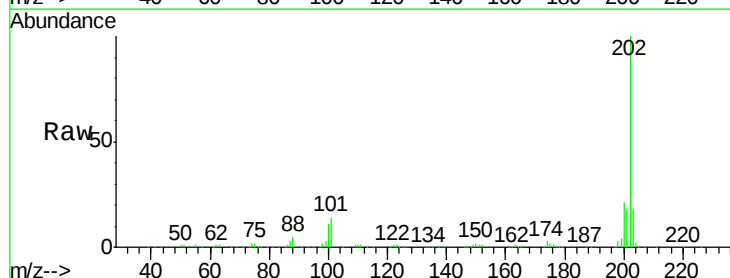
Tgt Ion:202 Resp: 157111

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

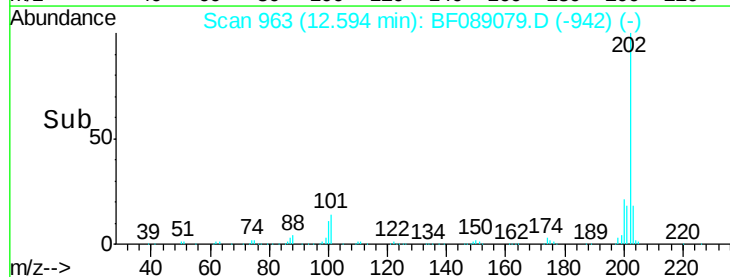
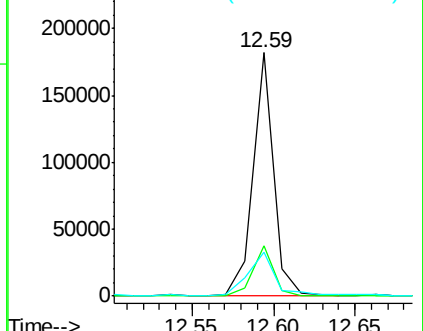
203 17.8 14.5 21.7



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

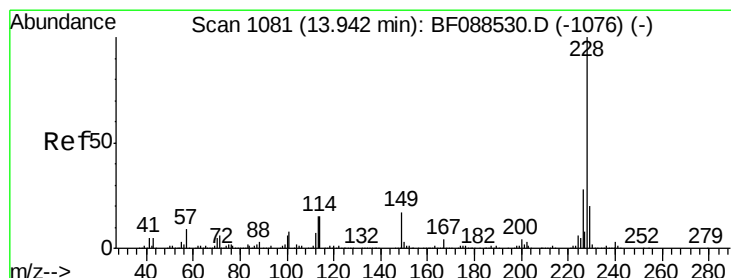
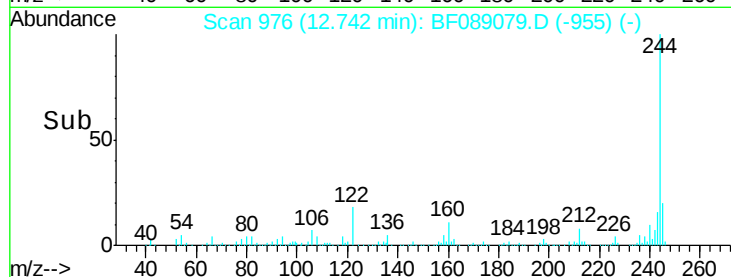
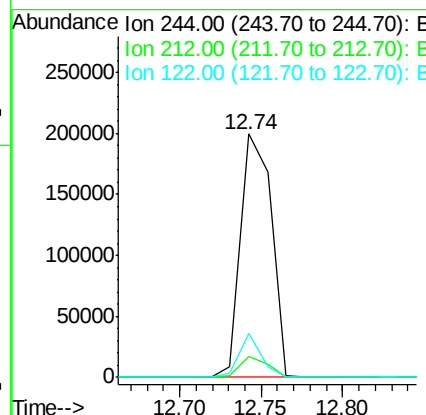
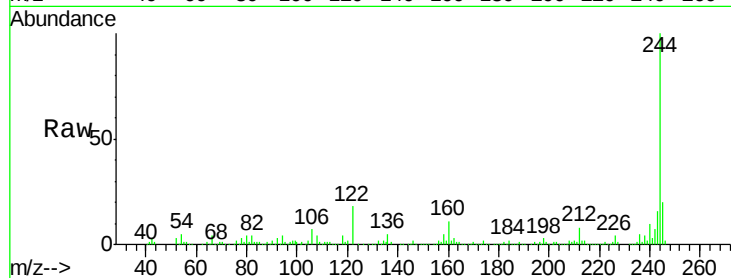




#78
 Terphenyl-d14
 Concen: 55.29 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

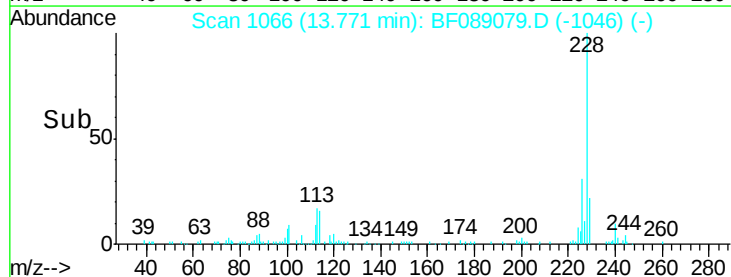
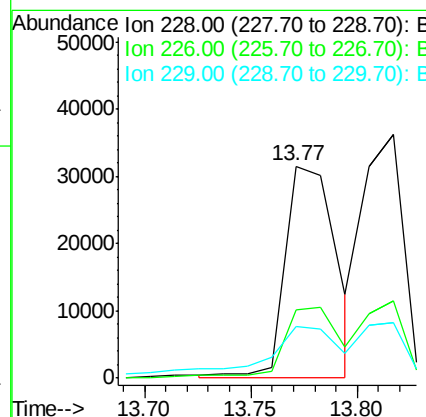
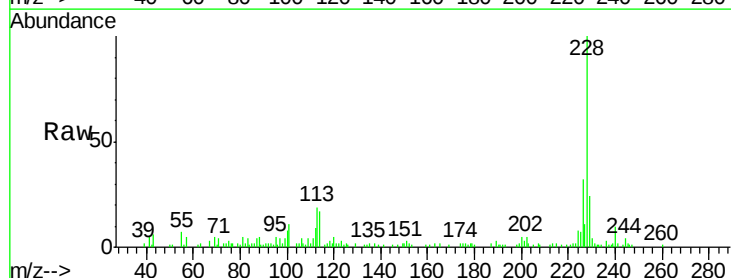
Instrument :
 BNA_F
 ClientSampleId :
 C5-1

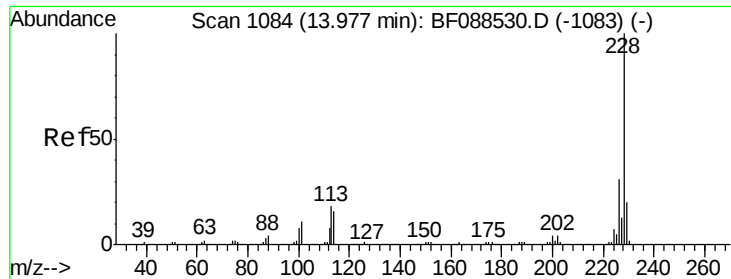
Tot Ion:244 Resp: 259549
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.0 9.0
 122 18.0 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 7.85 ng m
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.07 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Tgt Ion:228 Resp: 52871
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.3 33.5
 229 24.2 16.0 24.0#

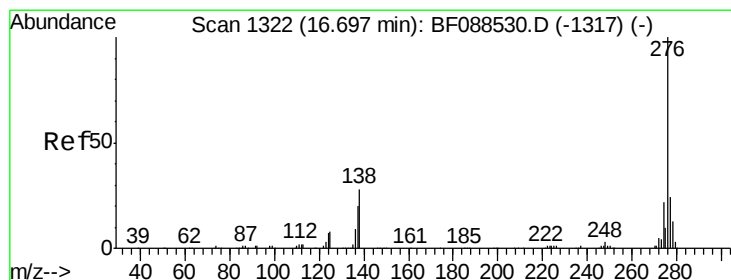
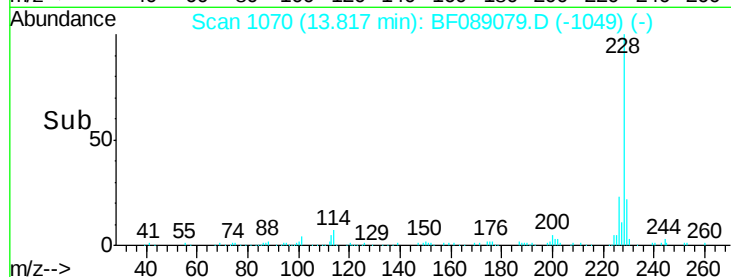
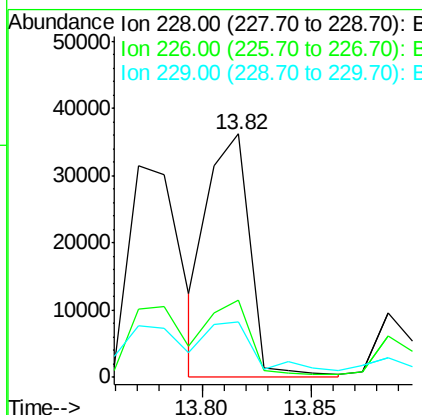
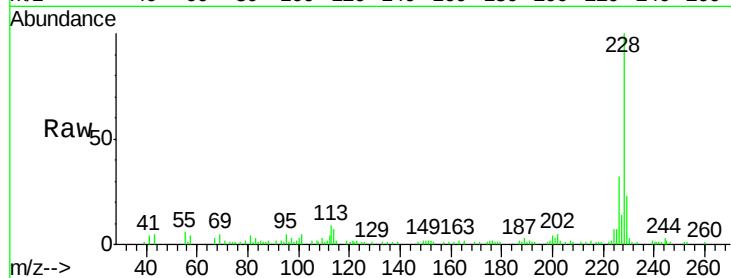




#82
Chrysene
Concen: 7.35 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

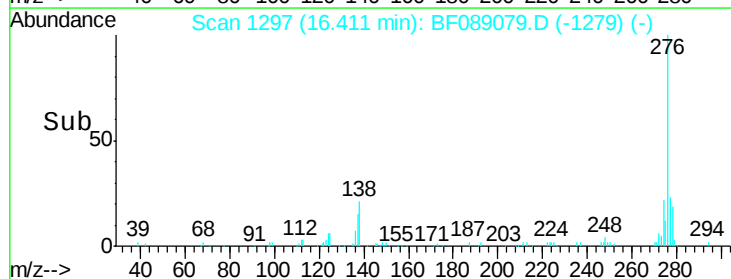
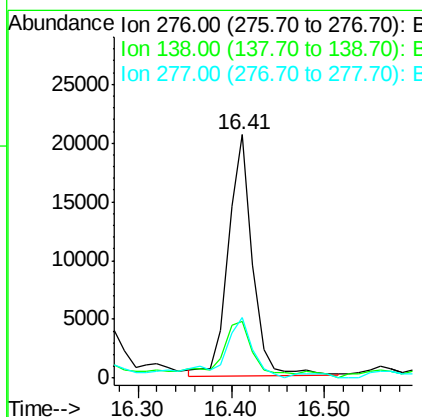
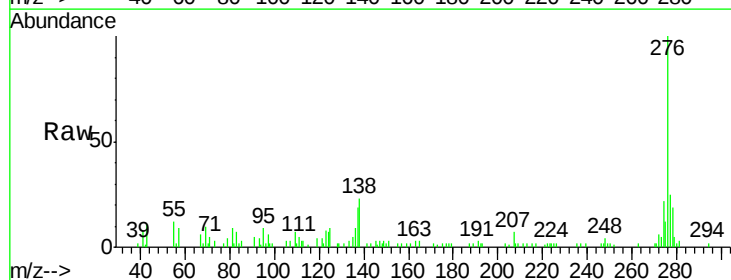
Instrument :
BNA_F
ClientSampleId :
C5-1

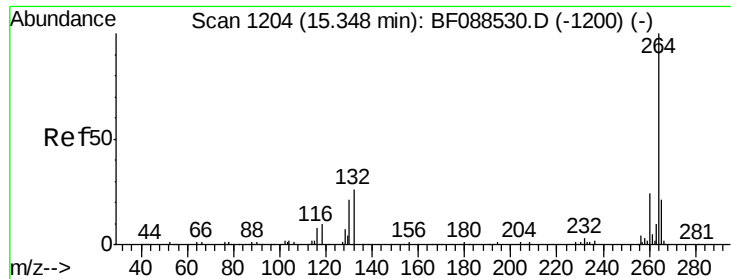
Tot Ion:228 Resp: 48943
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 22.7 16.3 24.5



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.30 ng
RT: 16.41 min Scan# 1297
Delta R.T. -0.09 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:276 Resp: 37416
Ion Ratio Lower Upper
276 100
138 25.2 0.0 0.0#
277 33.0 0.0 0.0#

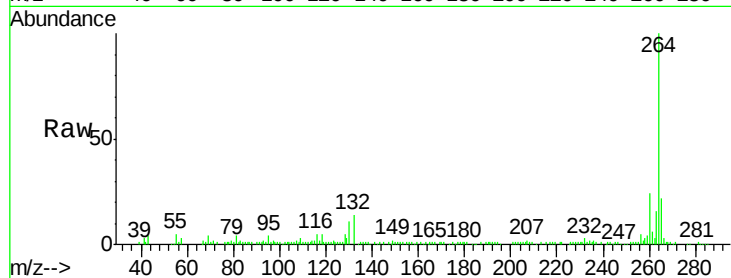




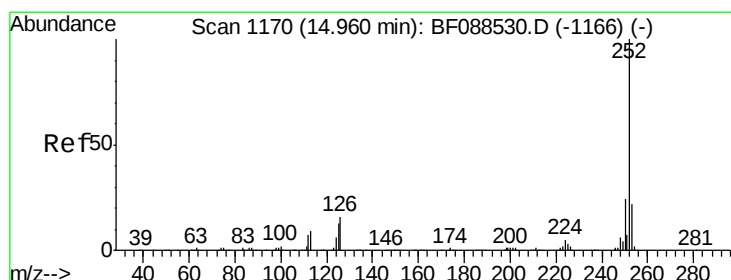
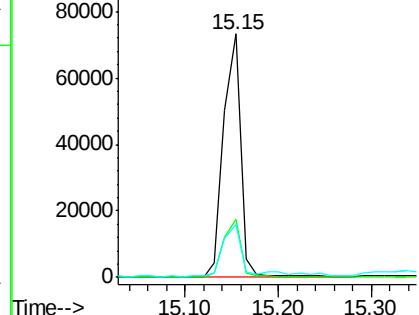
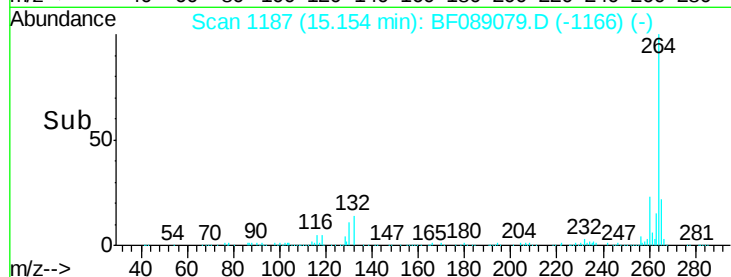
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Instrument :
BNA_F
ClientSampled :
C5-1

Tot Ion:264 Resp: 93977
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 16.9 25.3

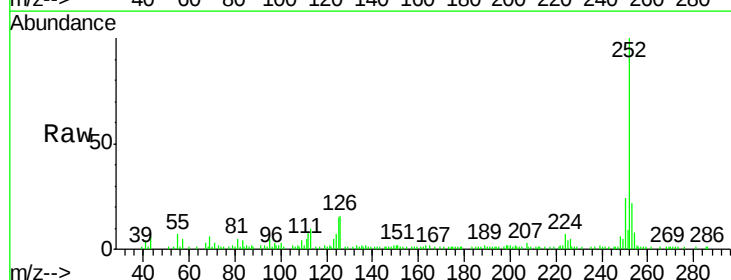


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

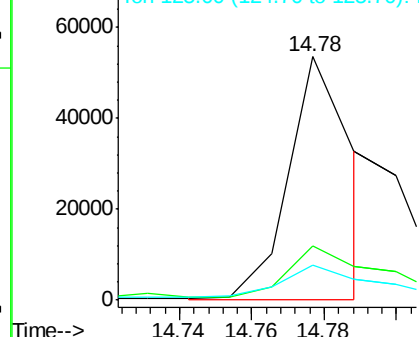
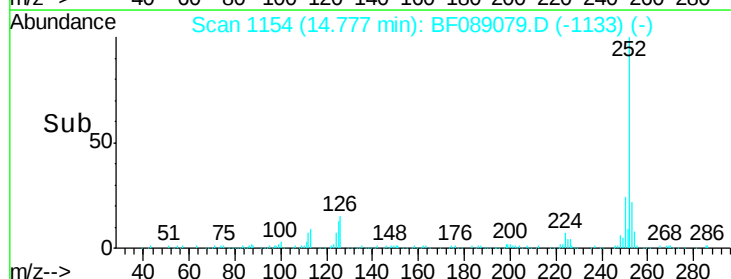


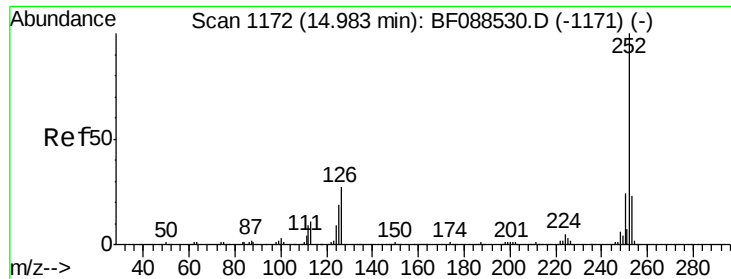
#87
Benzo(b)fluoranthene
Concen: 11.29 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:252 Resp: 66584
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 14.6 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.64 ng m

RT: 14.79 min Scan# 1155

Delta R.T. -0.08 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

C5-1

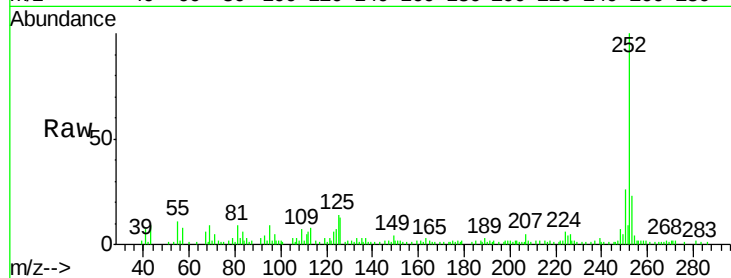
Tot Ion:252 Resp: 23799

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

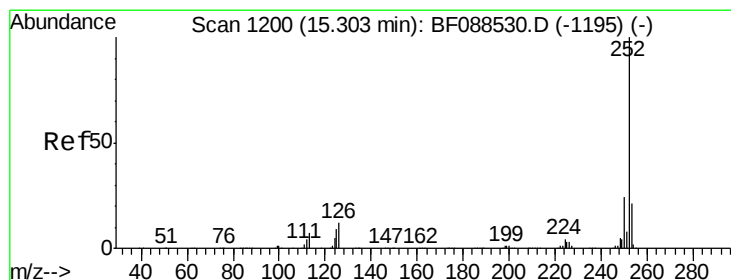
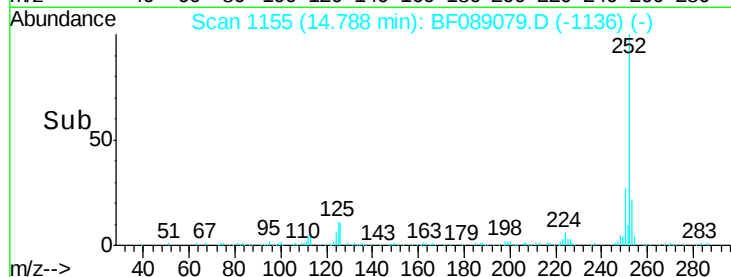
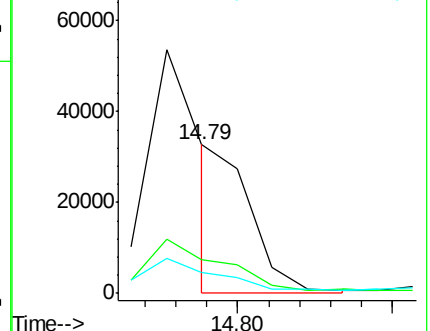
125 13.6 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.89 ng m

RT: 15.10 min Scan# 1182

Delta R.T. -0.07 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

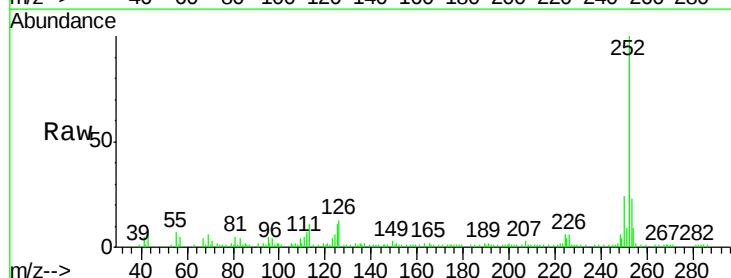
Tgt Ion:252 Resp: 54352

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

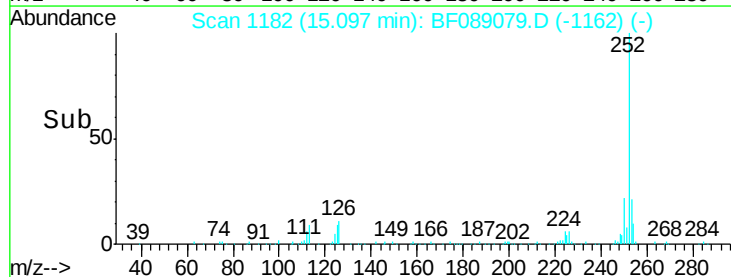
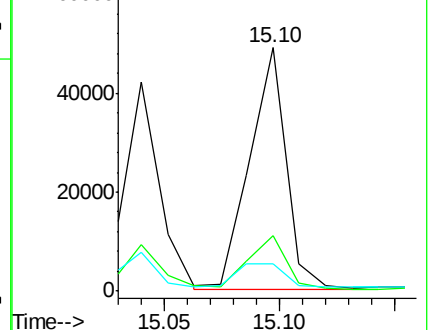
125 11.4 12.5 18.7#

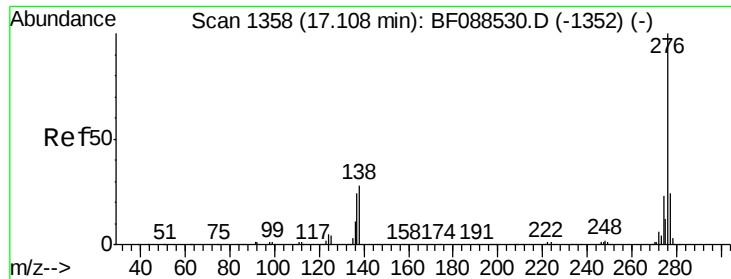


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

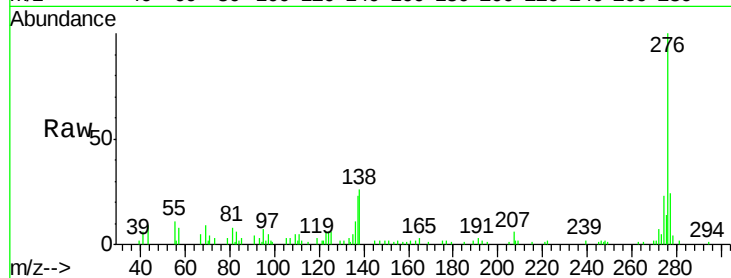




#91
 Benzo(a,h,i)perylene
 Concen: 10.71 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.10 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Instrument :
 BNA_F
 ClientSampleId :
 C5-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	26.0	21.4	32.2



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

