

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089377.D
 Acq On : 28 Jul 2016 22:14
 Operator : UM/SJ
 Sample : H4205-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Quant Time: Jul 29 02:19:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

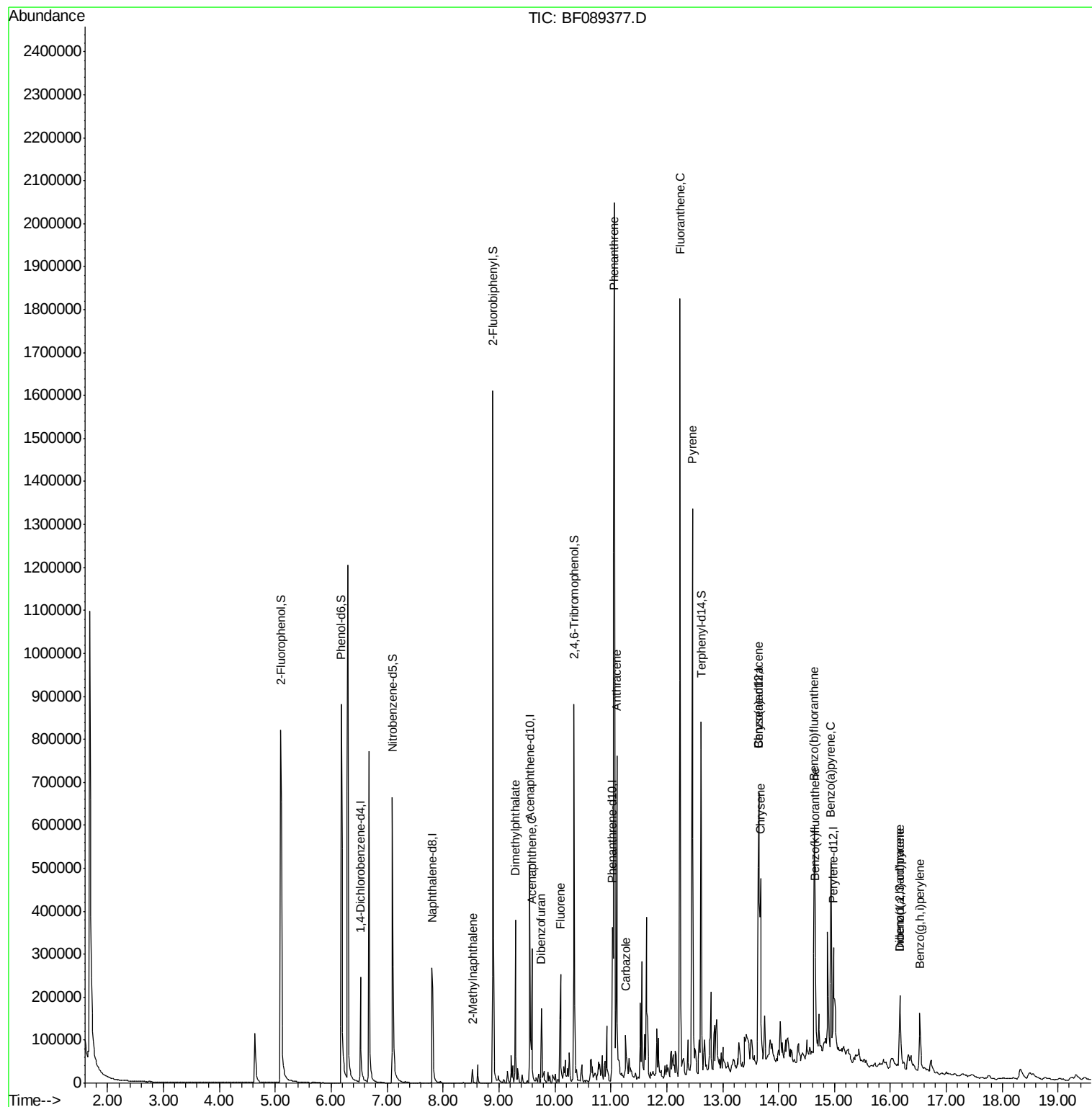
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	49366	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	202264	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	98424	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	170145	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	95930	20.00	ng	-0.02
86) Perylene-d12	14.98	264	105447	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	380319	123.01	ng	-0.01
7) Phenol-d6	6.18	99	481567	117.86	ng	-0.02
23) Nitrobenzene-d5	7.10	82	313011	91.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	86399	105.99	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	541470	80.74	ng	-0.02
78) Terphenyl-d14	12.62	244	365214	89.10	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.52	142	13032	2.16	ng	100
49) Dimethylphthalate	9.29	163	144087	19.24	ng	99
51) Acenaphthene	9.59	154	72119	12.46	ng	99
54) Dibenzofuran	9.76	168	75193	9.53	ng	97
57) Fluorene	10.10	166	103298	15.00	ng	98
70) Phenanthrene	11.06	178	984610	112.20	ng	99
71) Anthracene	11.11	178	338951	34.74	ng	100
72) Carbazole	11.27	167	58989	7.18	ng	98
74) Fluoranthene	12.24	202	878155	95.13	ng	97
77) Pyrene	12.46	202	637455	87.68	ng	96
80) Benzo(a)anthracene	13.65	228	265007	48.95	ng	100
82) Chrysene	13.68	228	211062m	36.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.17	276	114598	27.97	ng	98
87) Benzo(b)fluoranthene	14.64	252	256732m	39.20	ng	
88) Benzo(k)fluoranthene	14.65	252	89372m	14.84	ng	
89) Benzo(a)pyrene	14.94	252	195799	33.33	ng	96
90) Dibenzo(a,h)anthracene	16.17	278	24531m	5.30	ng	
91) Benzo(g,h,i)perylene	16.53	276	101310	22.27	ng	98

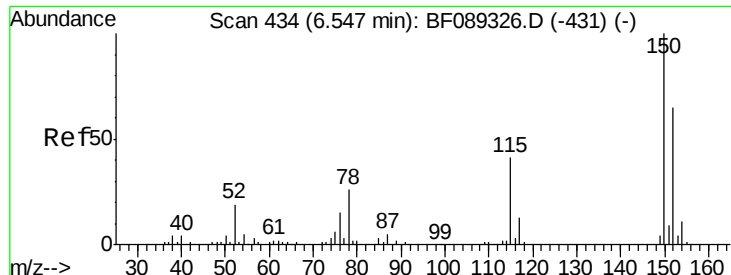
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089377.D
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Misc :
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Instrument :
BNA_F
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SB-40-0.5-1.5

Quant Time: Jul 29 02:19:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

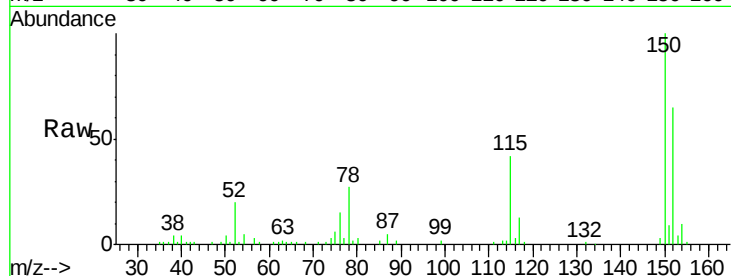
Tgt Ion:152 Resp: 49366

Ion Ratio Lower Upper

152 100

150 154.9 129.5 194.3

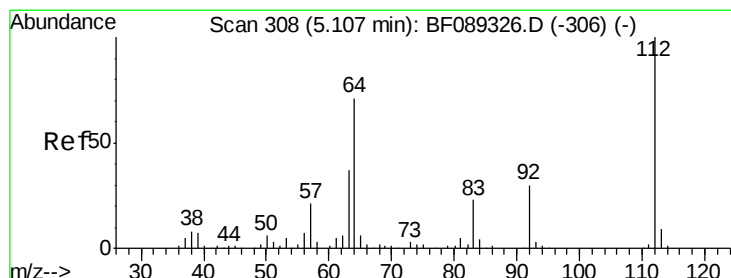
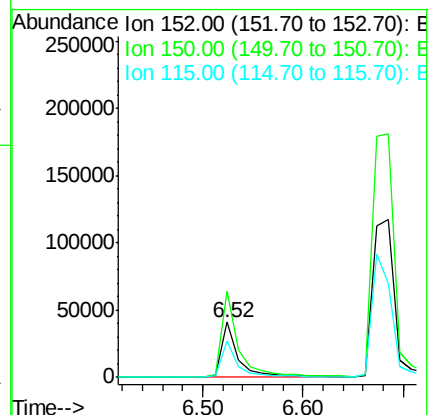
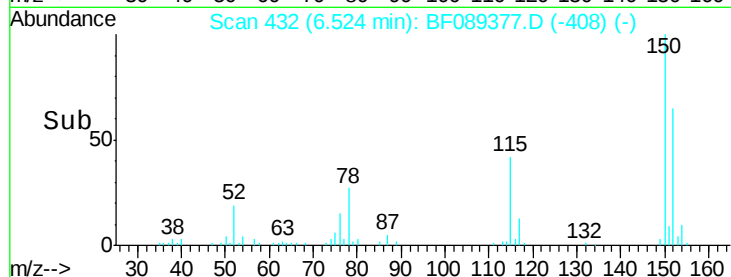
115 65.1 51.4 77.2



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: 123.01 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

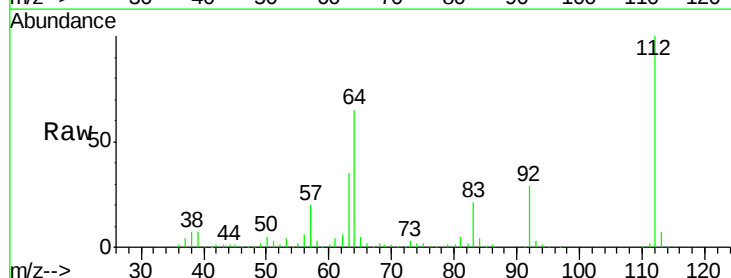
Tgt Ion:112 Resp: 380319

Ion Ratio Lower Upper

112 100

64 64.8 55.0 82.6

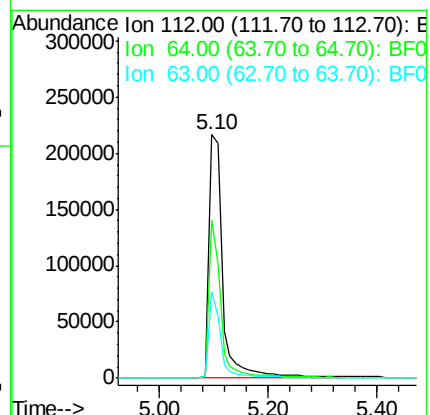
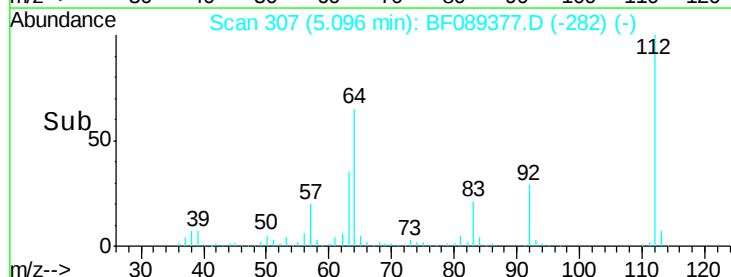
63 35.4 29.4 44.2



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: 117.86 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

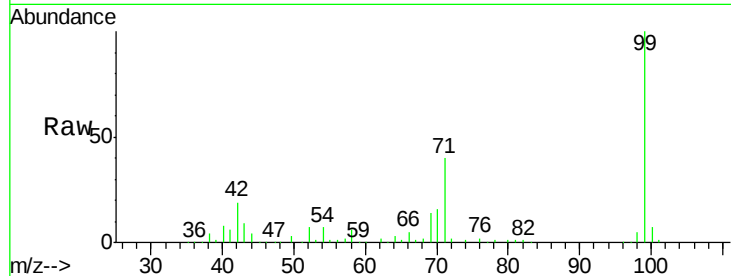
Tgt Ion: 99 Resp: 481567

Ion Ratio Lower Upper

99 100

42 19.3 13.6 20.4

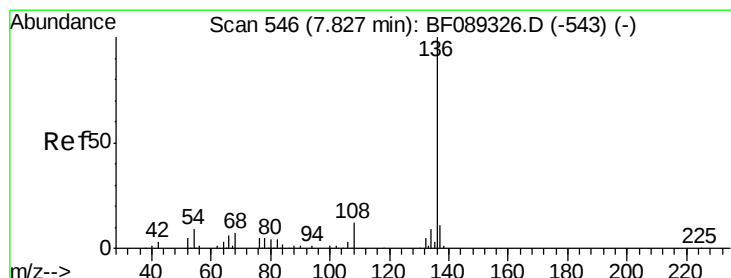
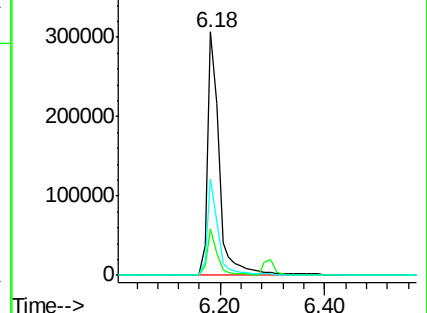
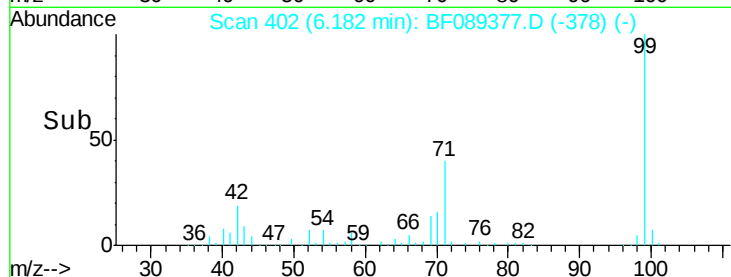
71 39.8 29.4 44.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Tgt Ion: 136 Resp: 202264

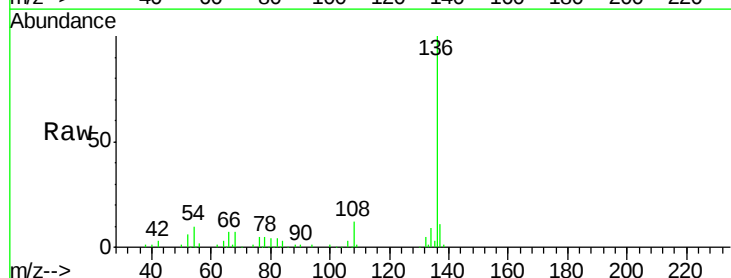
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.6 7.0 10.4

68 7.3 4.9 7.3

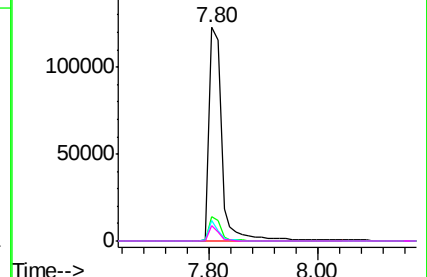
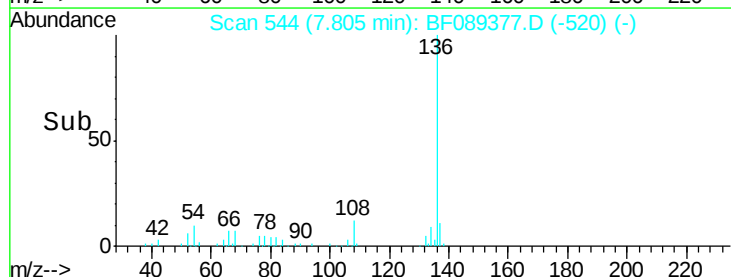


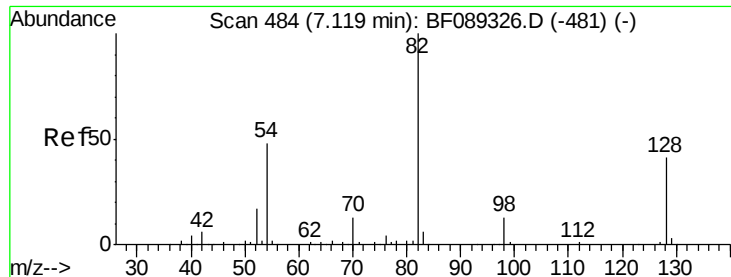
Abundance Ion 136.00 (135.70 to 136.70): E

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

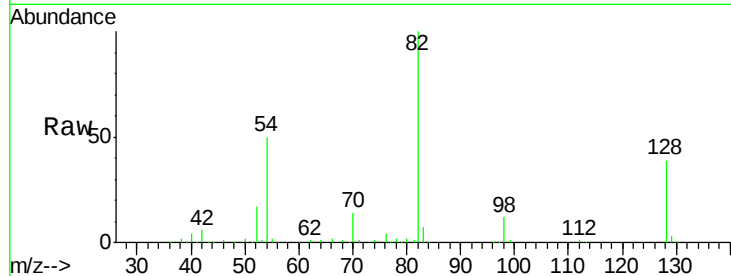




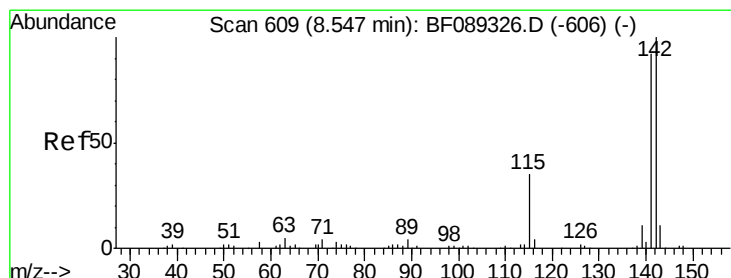
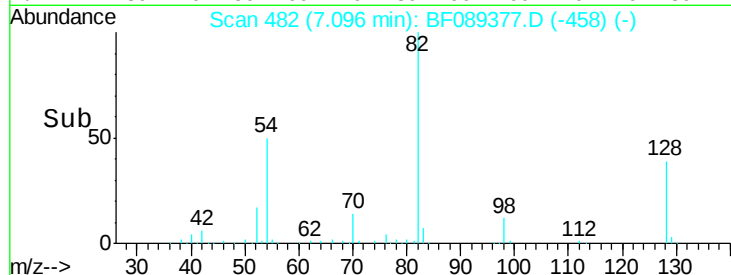
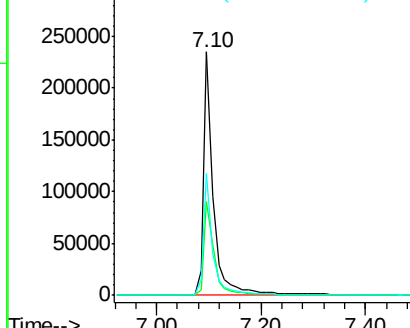
#23
 Nitrobenzene-d5
 Concen: 91.34 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tgt Ion: 82 Resp: 313011
 Ion Ratio Lower Upper
 82 100
 128 38.5 32.5 48.7
 54 50.2 38.8 58.2

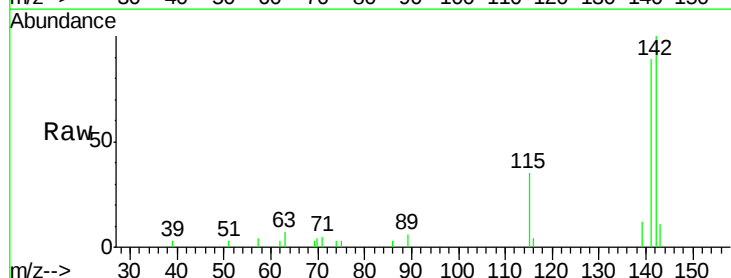


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

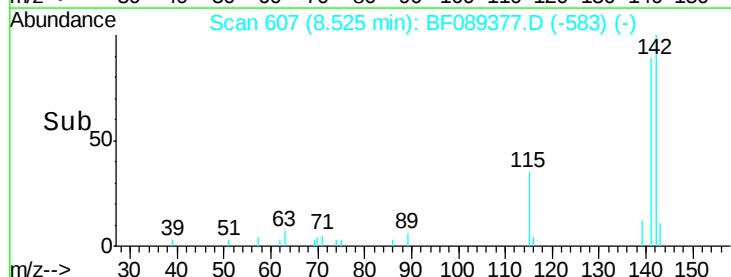
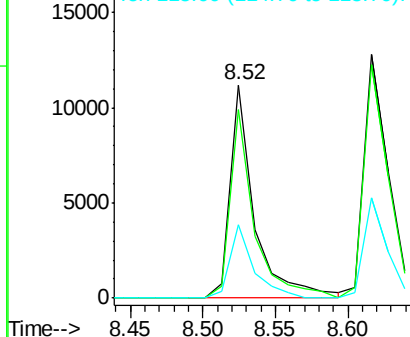


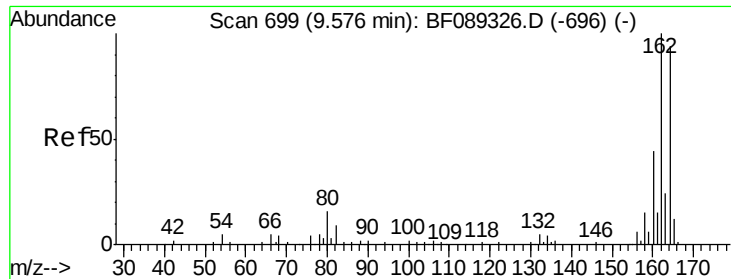
#37
 2-Methylnaphthalene
 Concen: 2.16 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Tgt Ion: 142 Resp: 13032
 Ion Ratio Lower Upper
 142 100
 141 88.6 70.9 106.3
 115 34.7 27.6 41.4



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

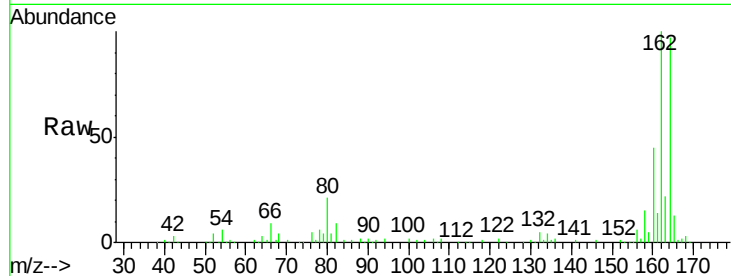




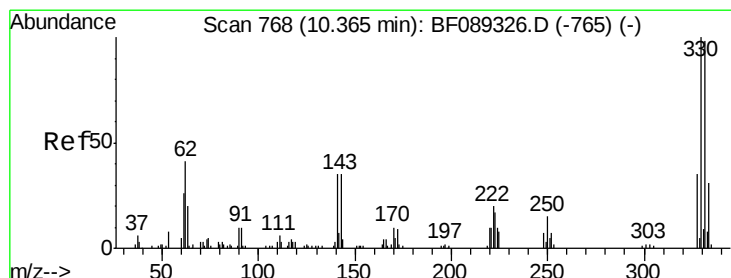
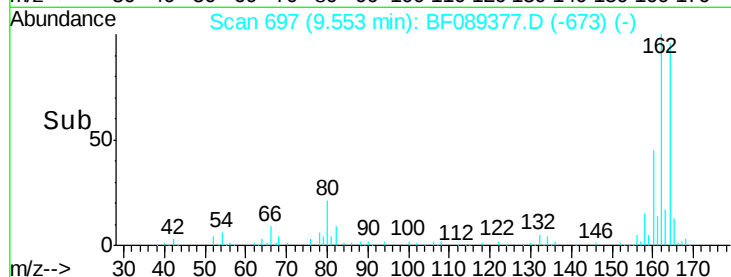
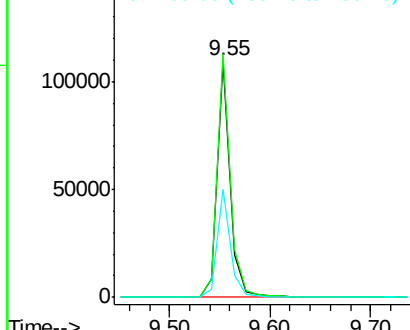
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tgt Ion:164 Resp: 98424
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.7 125.5
 160 46.0 37.8 56.6

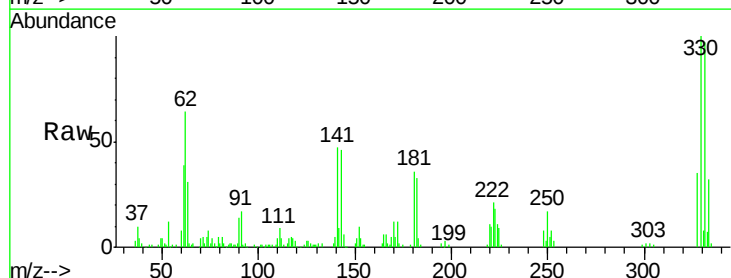


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

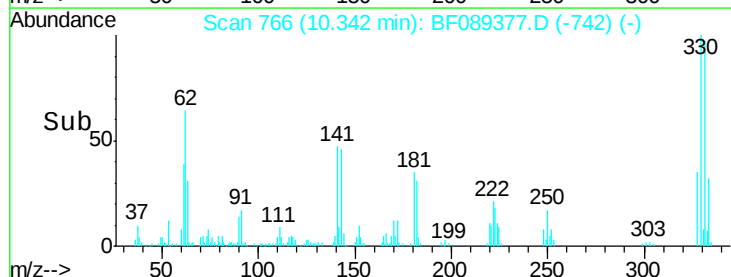
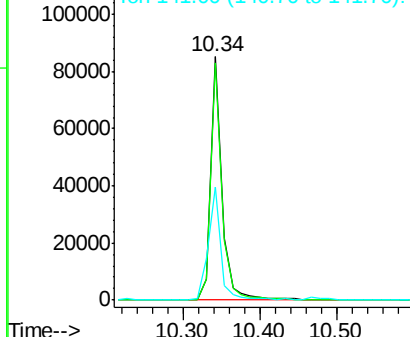


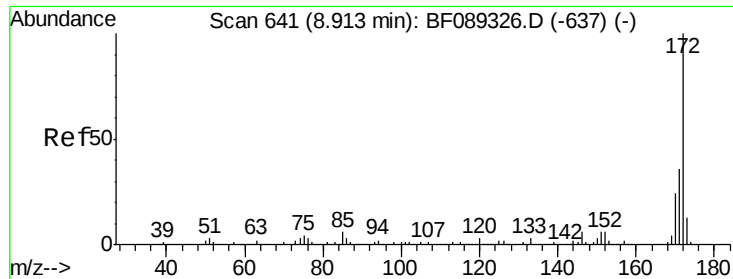
#41
 2,4,6-Tribromophenol
 Concen: 105.99 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Tgt Ion:330 Resp: 86399
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 51.8 37.3 55.9



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

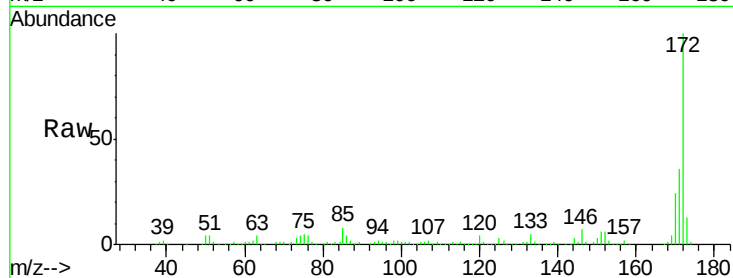




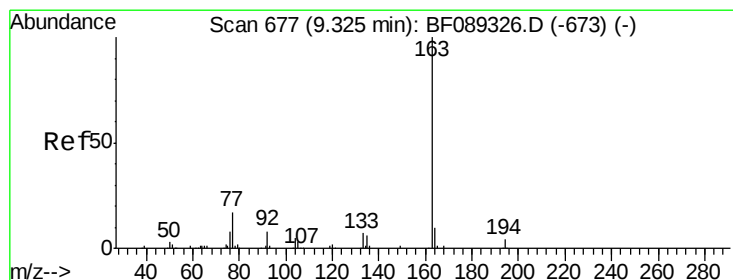
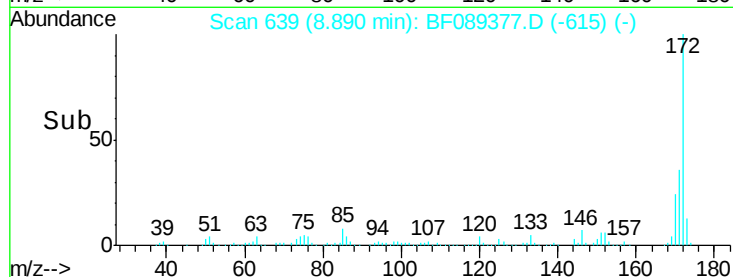
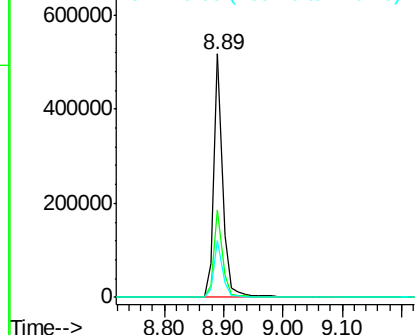
#44
 2-Fluorobiphenyl
 Concen: 80.74 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tgt Ion:172 Resp: 541470
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.6 19.2 28.8

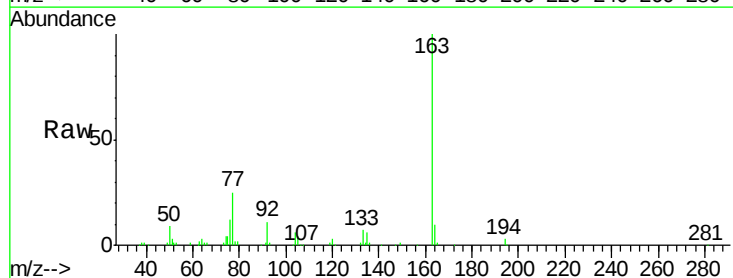


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

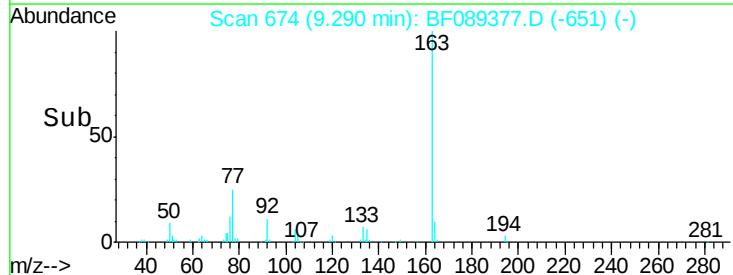
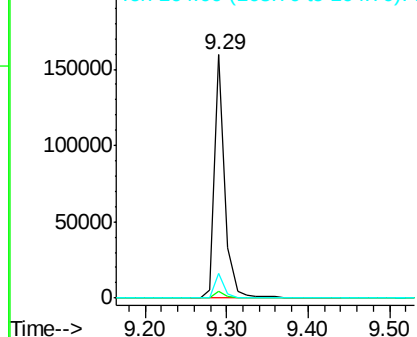


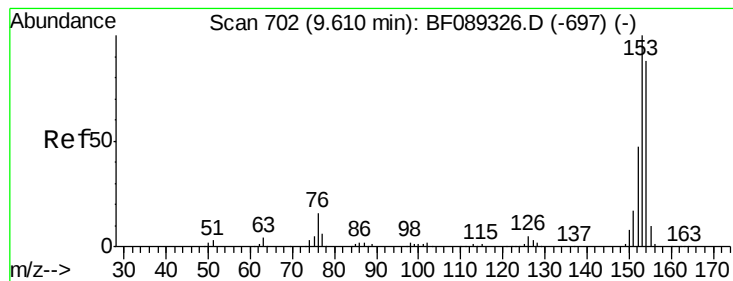
#49
 Dimethylphthalate
 Concen: 19.24 ng
 RT: 9.29 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Tgt Ion:163 Resp: 144087
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.0 7.8 11.8



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





#51

Acenaphthene

Concen: 12.46 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

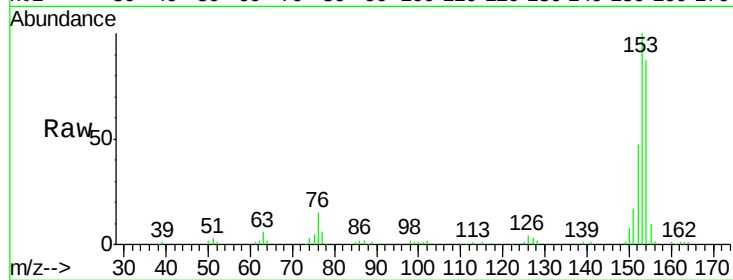
Tgt Ion:154 Resp: 72119

Ion Ratio Lower Upper

154 100

153 115.5 91.4 137.2

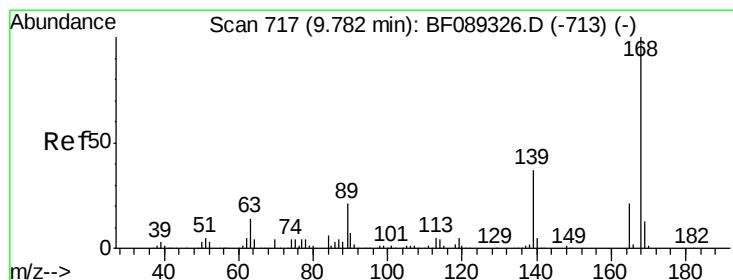
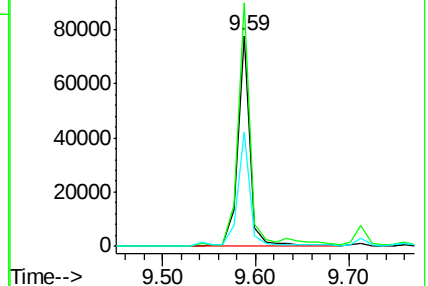
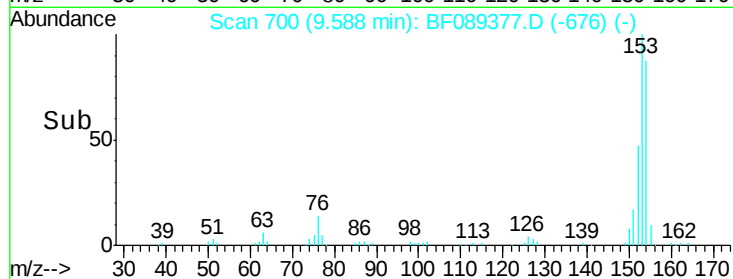
152 54.1 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.53 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

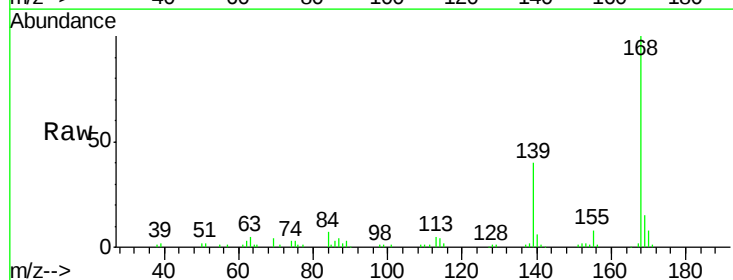
Tgt Ion:168 Resp: 75193

Ion Ratio Lower Upper

168 100

139 40.4 33.7 50.5

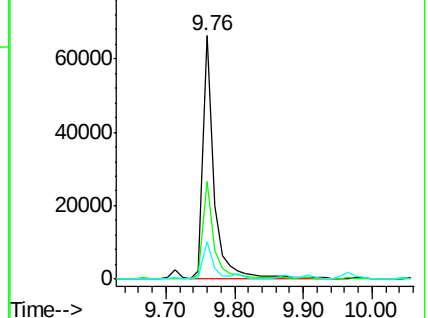
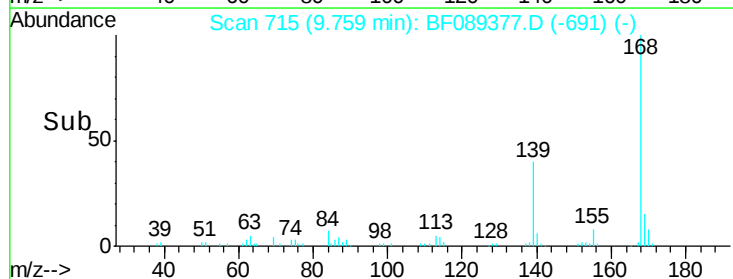
169 15.2 10.7 16.1

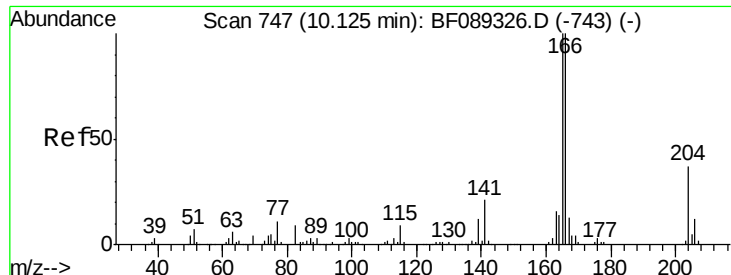


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

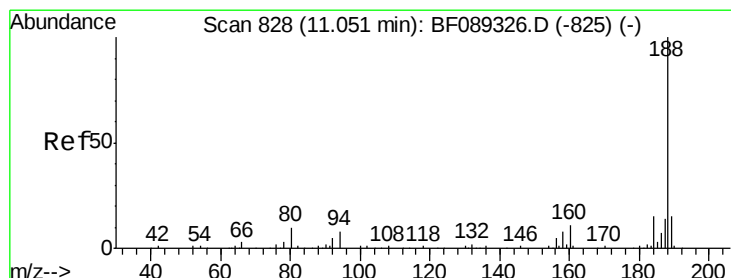
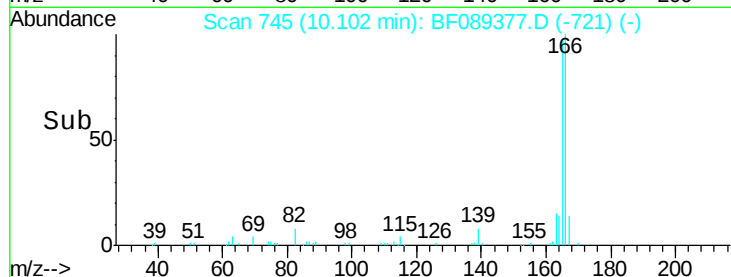
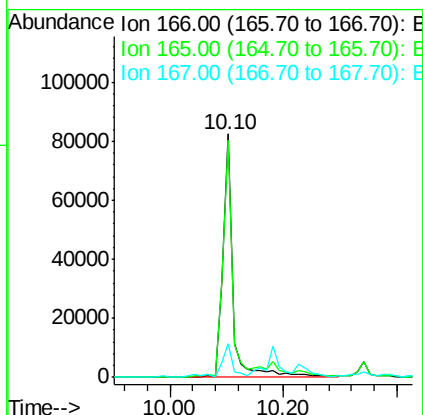
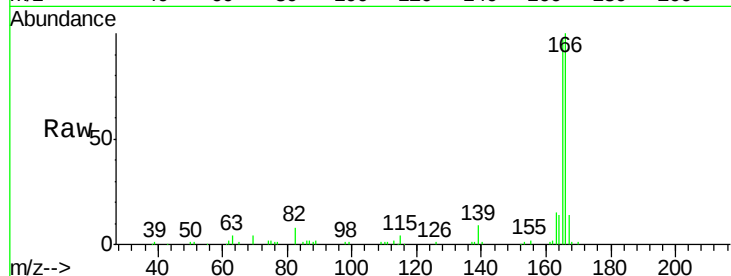




#57
Fluorene
 Concen: 15.00 ng
 RT: 10.10 min Scan# 745
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

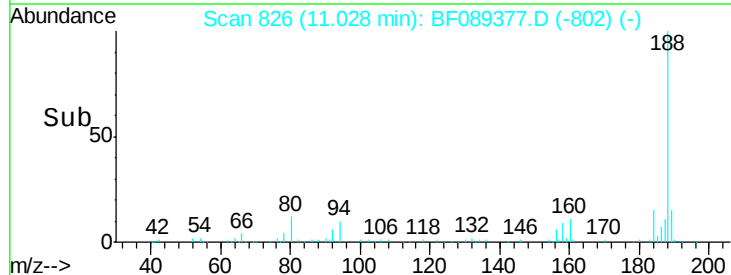
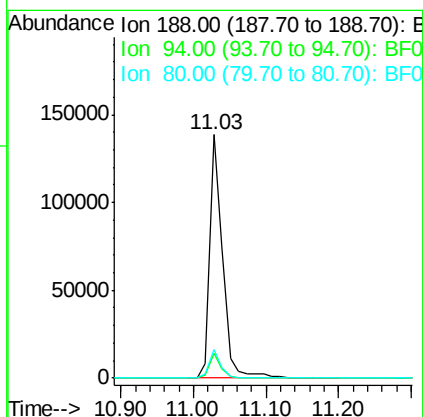
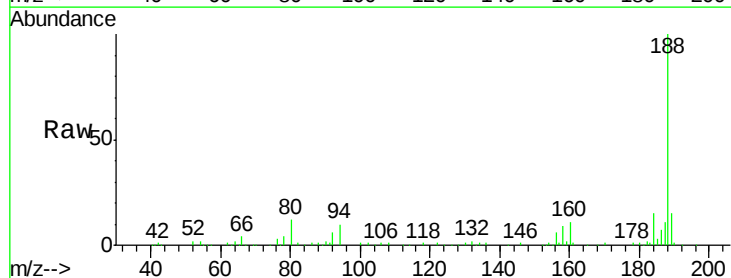
Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

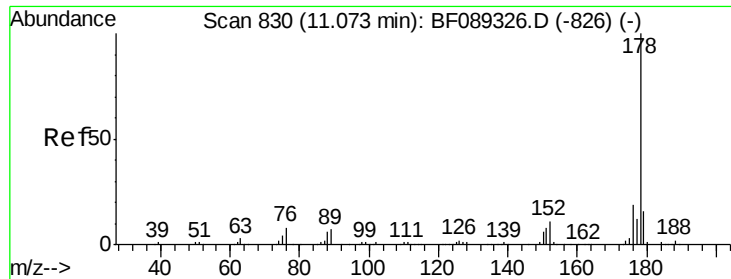
Tgt Ion:166 Resp: 103298
 Ion Ratio Lower Upper
 166 100
 165 97.4 79.0 118.4
 167 13.9 10.2 15.2



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Tgt Ion:188 Resp: 170145
 Ion Ratio Lower Upper
 188 100
 94 10.4 6.5 9.7#
 80 11.7 7.2 10.8#

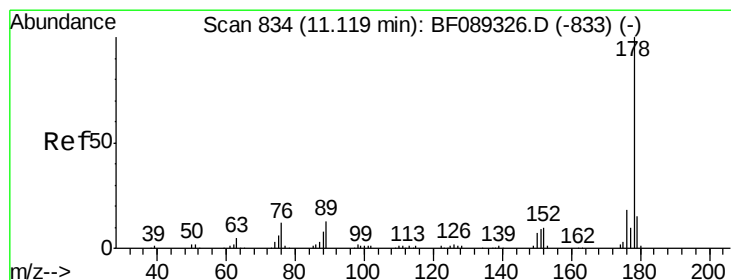
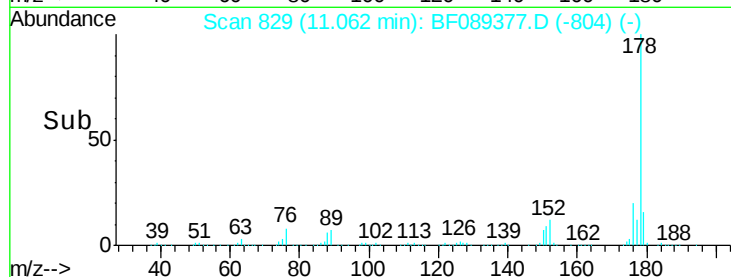
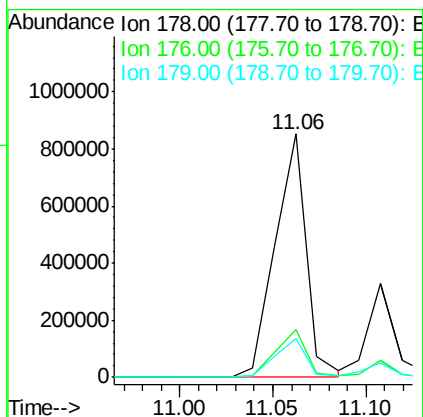
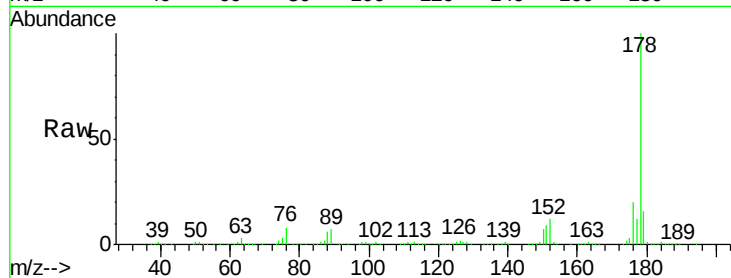




#70
Phenanthrene
Concen: 112.20 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF089377.D
Acq: 28 Jul 2016 22:14

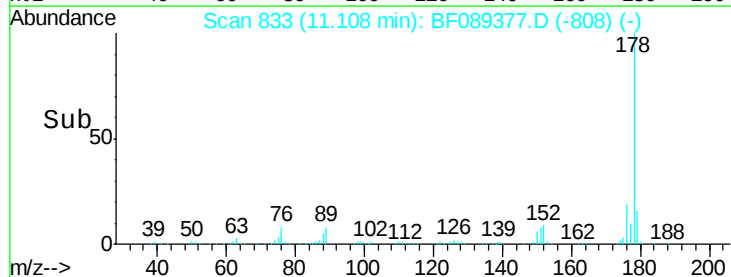
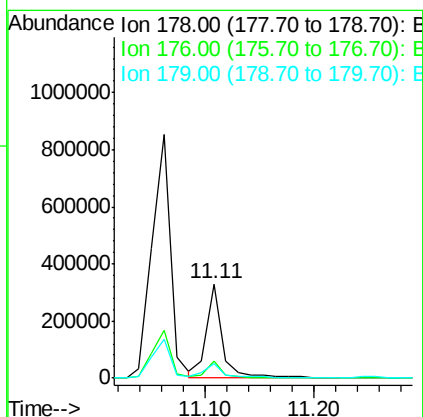
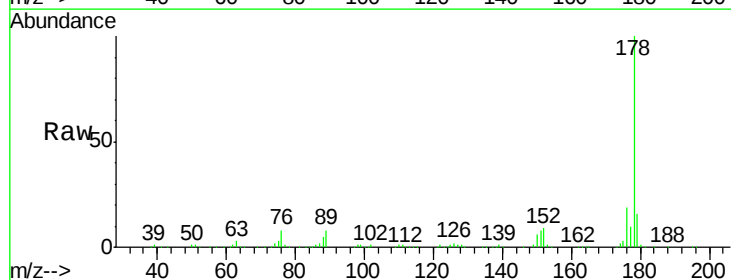
Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

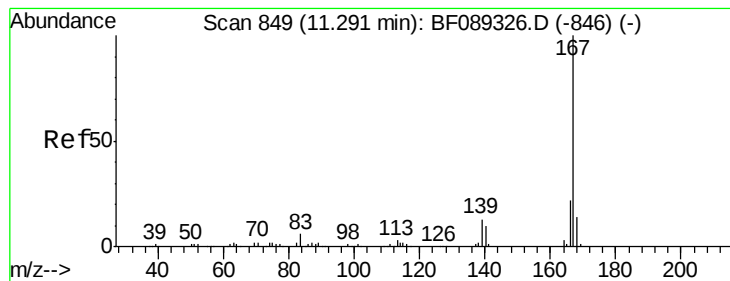
Tgt Ion:178 Resp: 984610
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.8 12.3 18.5



#71
Anthracene
Concen: 34.74 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF089377.D
Acq: 28 Jul 2016 22:14

Tgt Ion:178 Resp: 338951
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.7 12.6 18.8





#72

Carbazole

Concen: 7.18 ng

RT: 11.27 min Scan# 847

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

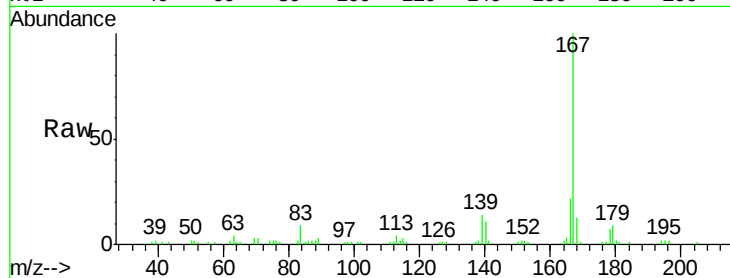
Tgt Ion:167 Resp: 58989

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

139 13.9 10.1 15.1

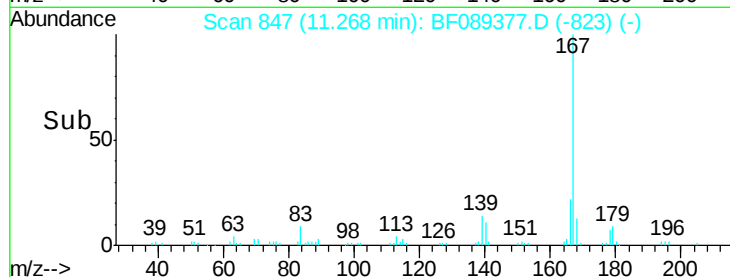


Abundance Ion 167.00 (166.70 to 167.70): E

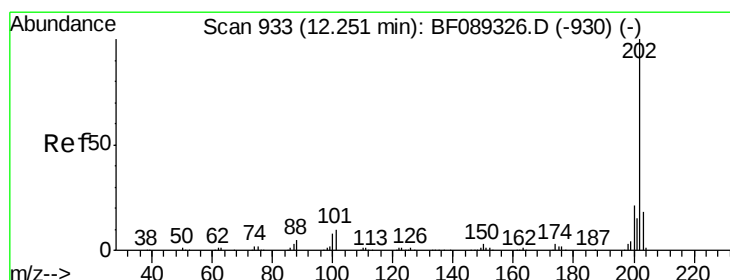
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.27



Time-->



#74

Fluoranthene

Concen: 95.13 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

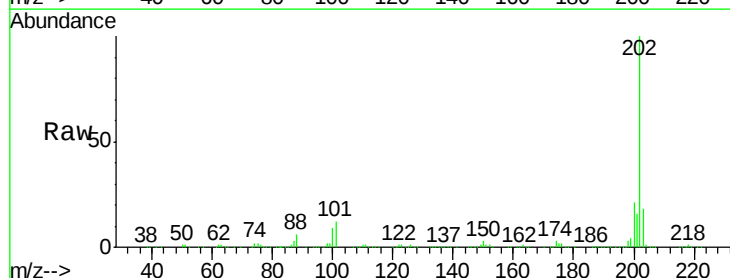
Tgt Ion:202 Resp: 878155

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.9

203 18.1 0.0 37.3

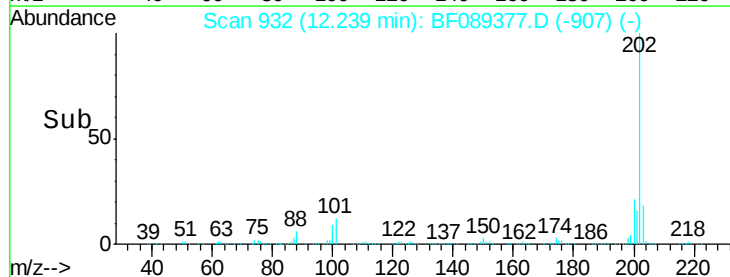


Abundance Ion 202.00 (201.70 to 202.70): E

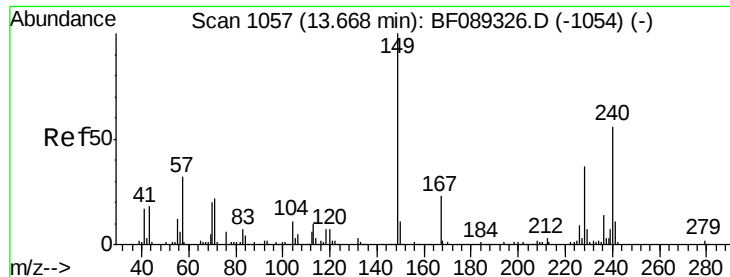
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.24



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

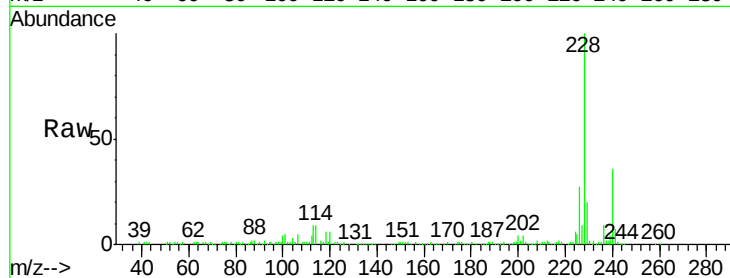
Tgt Ion:240 Resp: 95930

Ion Ratio Lower Upper

240 100

120 17.3 9.1 13.7#

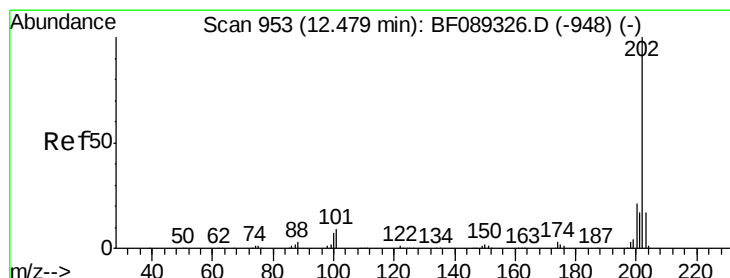
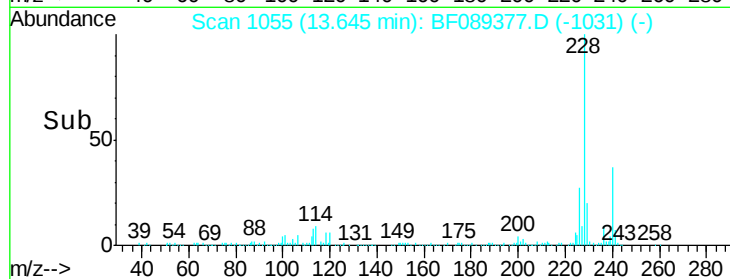
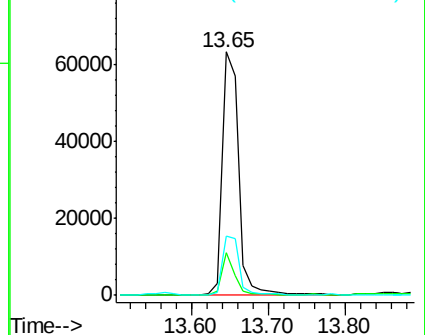
236 24.6 20.6 30.8



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: 87.68 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

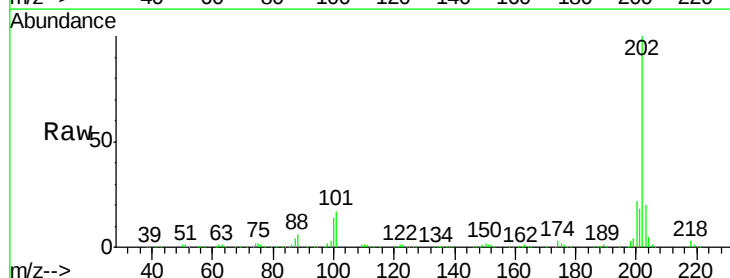
Tgt Ion:202 Resp: 637455

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

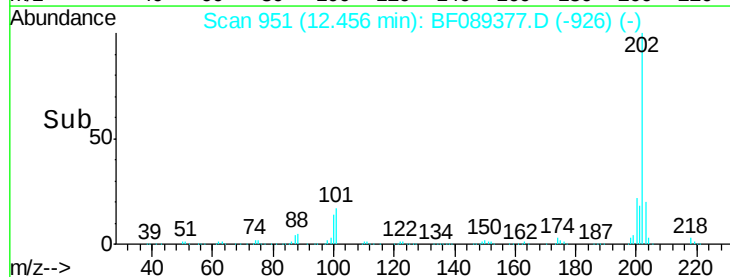
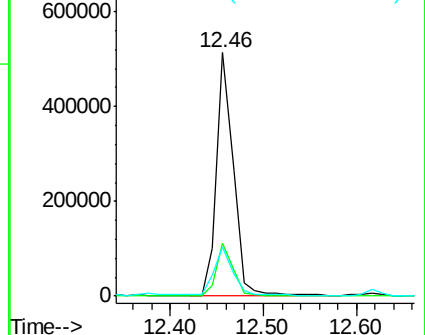
203 20.4 14.0 21.0

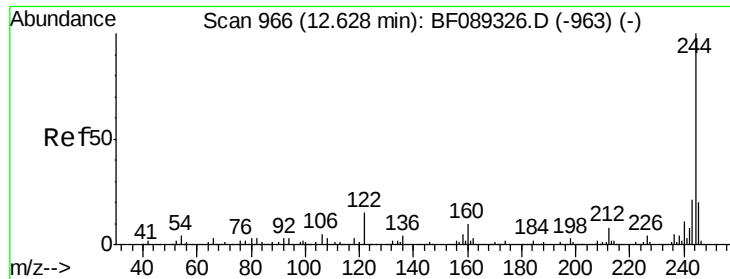


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

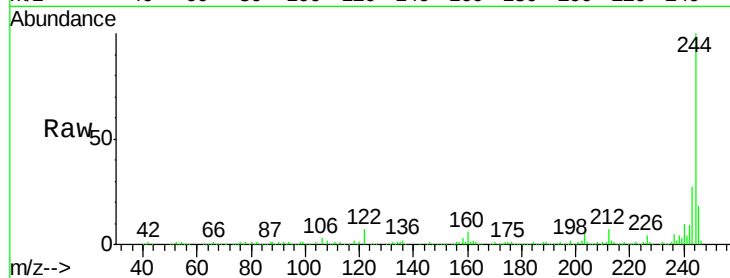




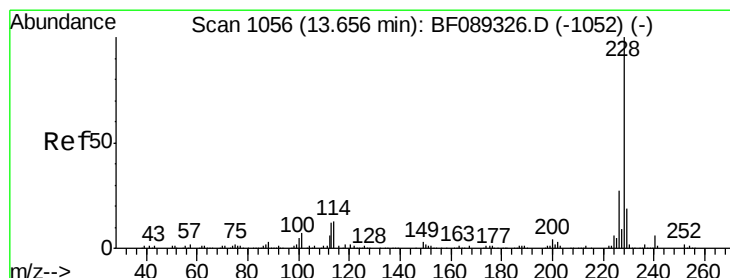
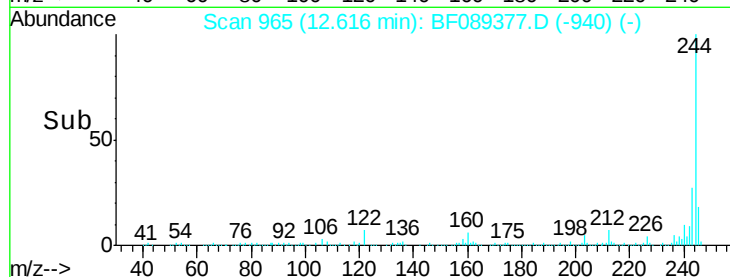
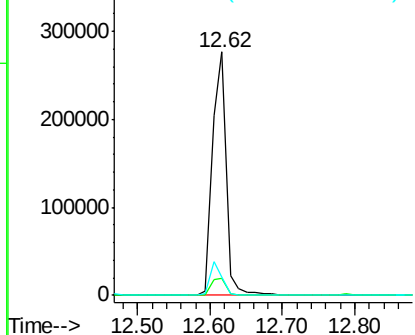
#78
 Terphenyl-d14
 Concen: 89.10 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-0.5-1.5

Tgt Ion:244 Resp: 365214
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 7.5 11.4 17.0#

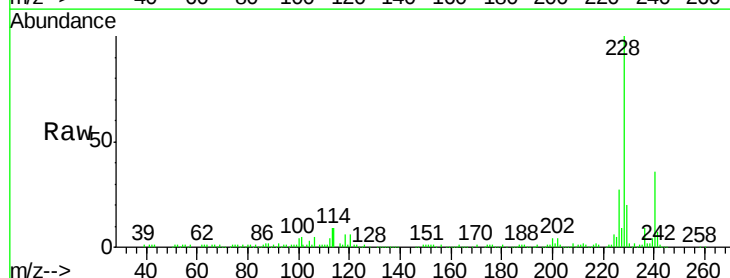


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

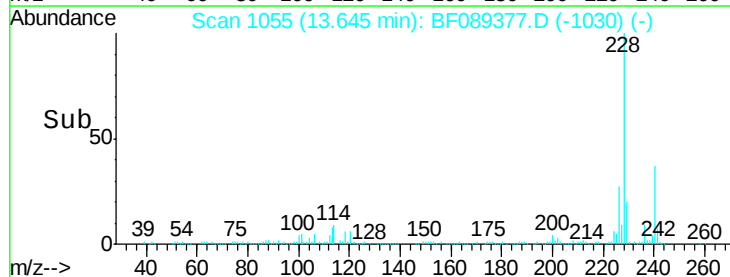
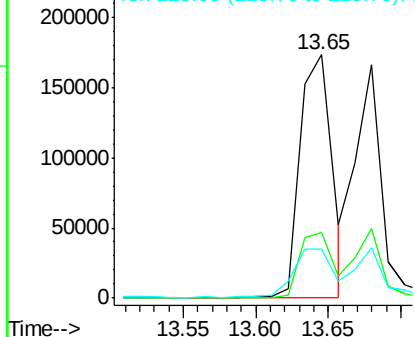


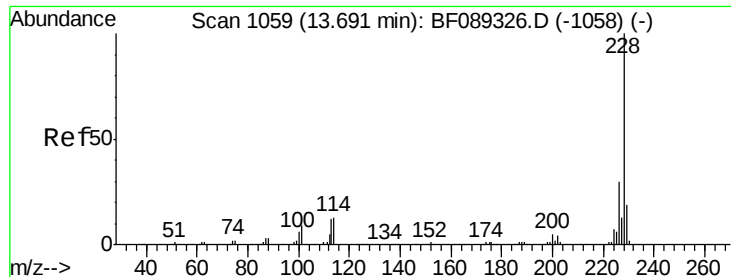
#80
 Benzo(a)anthracene
 Concen: 48.95 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF089377.D
 Acq: 28 Jul 2016 22:14

Tgt Ion:228 Resp: 265007
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.4 32.2
 229 20.3 15.9 23.9



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: 36.63 ng m

RT: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

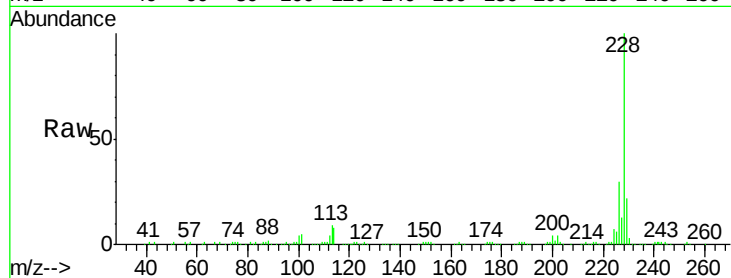
Tgt Ion:228 Resp: 211062

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

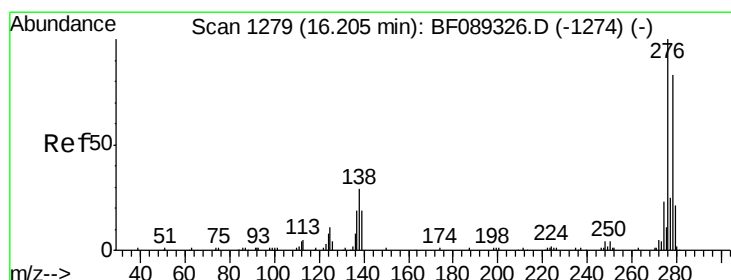
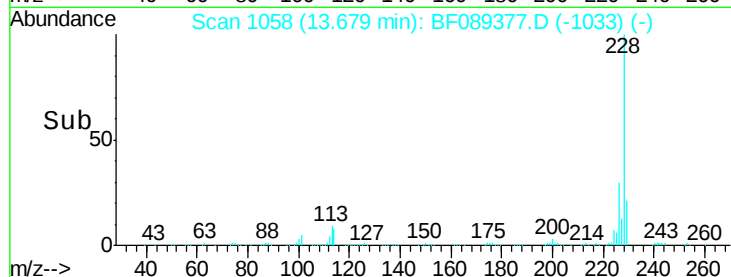
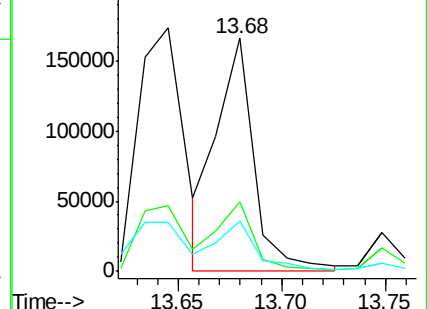
229 21.8 15.9 23.9



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: 27.97 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

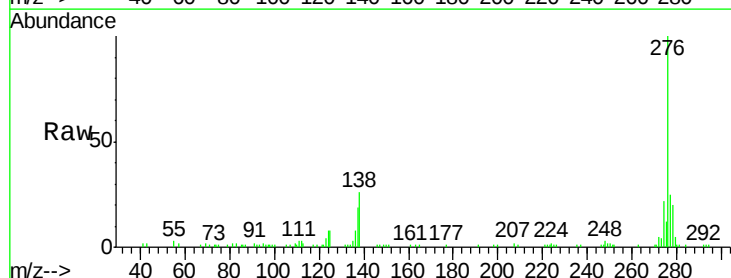
Tgt Ion:276 Resp: 114598

Ion Ratio Lower Upper

276 100

138 28.1 23.0 34.4

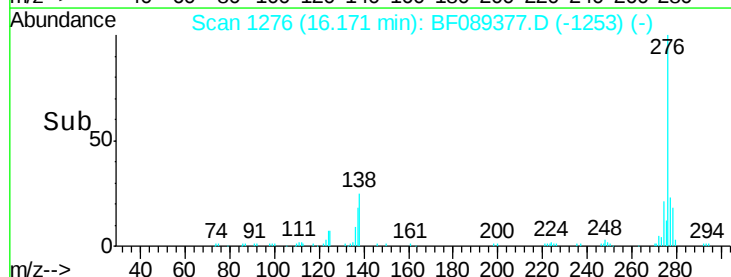
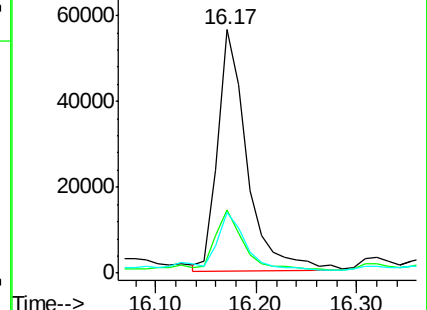
277 27.2 20.2 30.4

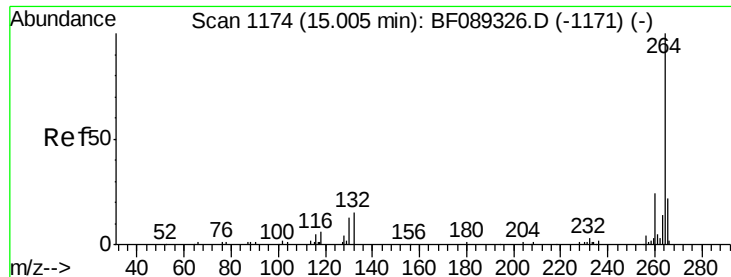


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

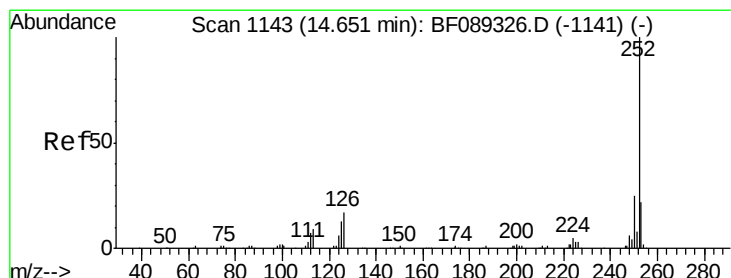
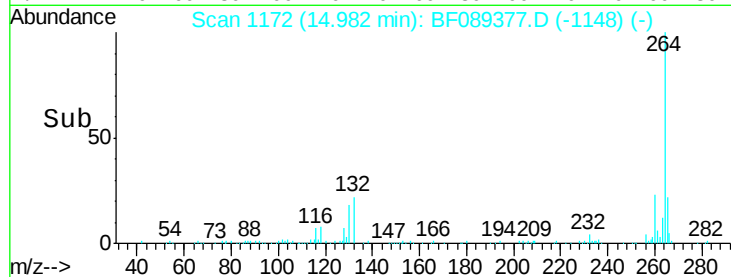
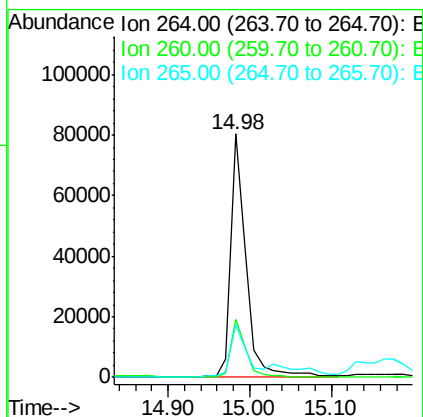
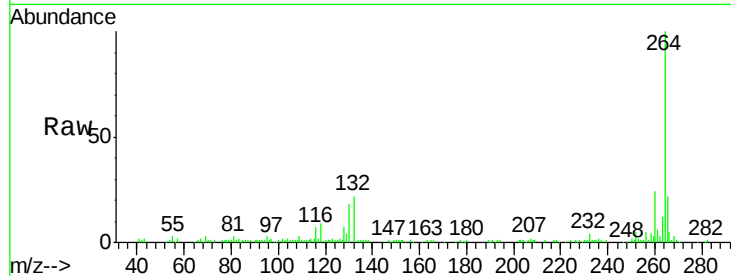




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089377.D
Acq: 28 Jul 2016 22:14

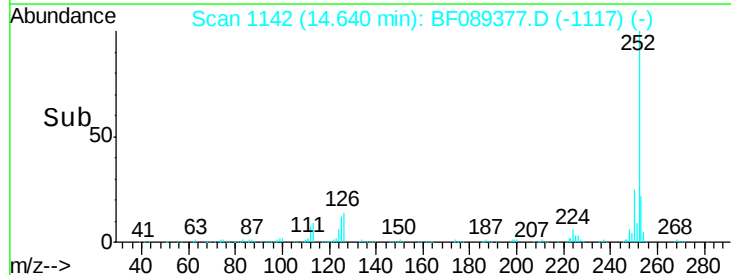
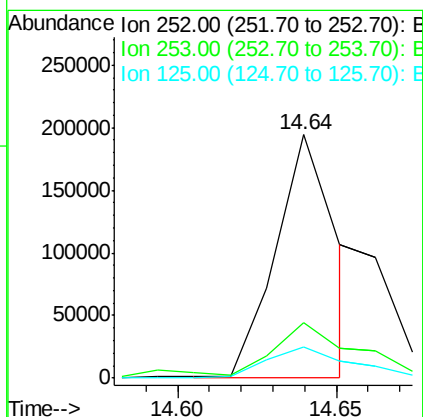
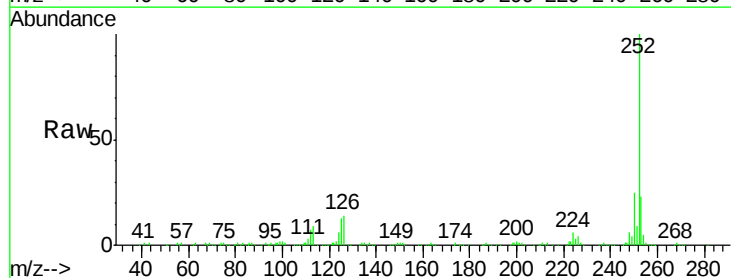
Instrument :
BNA_F
ClientSampleId :
SB-40-0.5-1.5

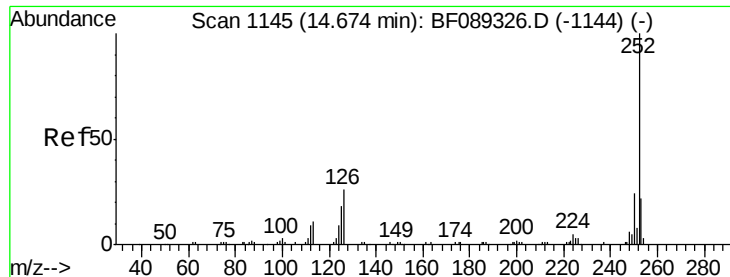
Tgt Ion: 264 Resp: 105447
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 39.20 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089377.D
Acq: 28 Jul 2016 22:14

Tgt Ion: 252 Resp: 256732
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.6 9.7 14.5





#88

Benzo(k)fluoranthene

Concen: 14.84 ng m

RT: 14.65 min Scan# 1143

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

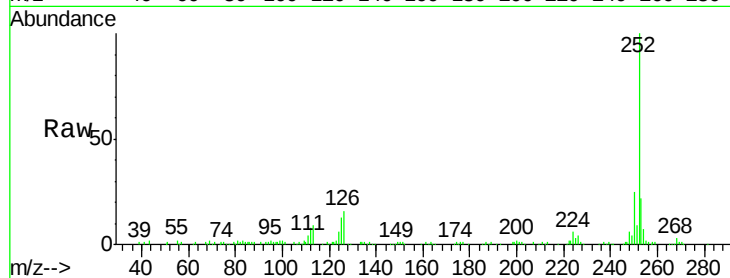
Tgt Ion:252 Resp: 89372

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

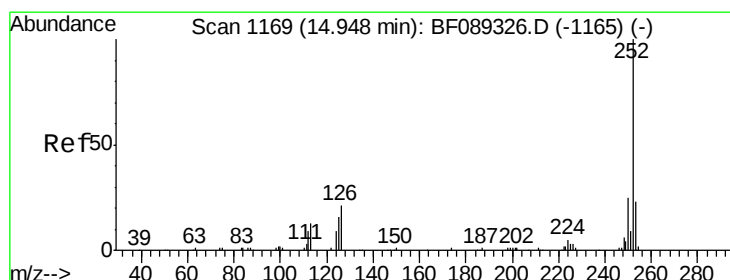
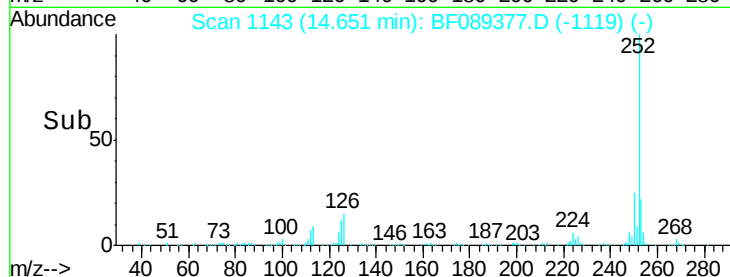
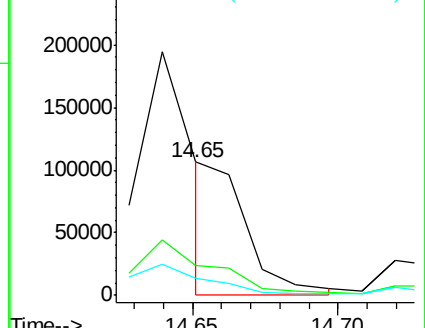
125 13.0 10.7 16.1



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: 33.33 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

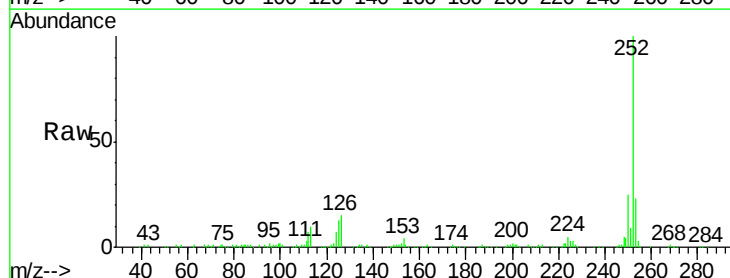
Tgt Ion:252 Resp: 195799

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

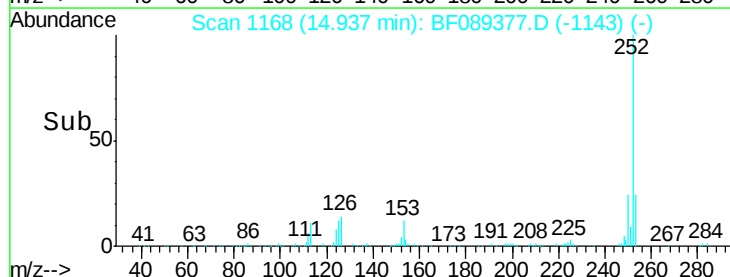
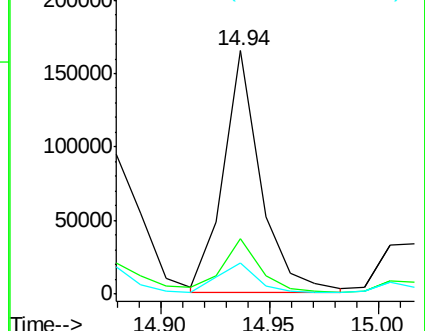
125 12.7 12.4 18.6

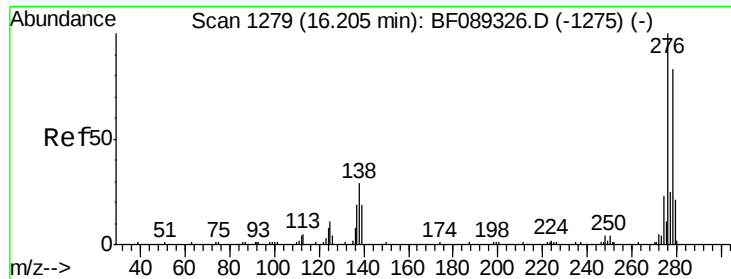


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.30 ng m

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

Instrument :

BNA_F

ClientSampleId :

SB-40-0.5-1.5

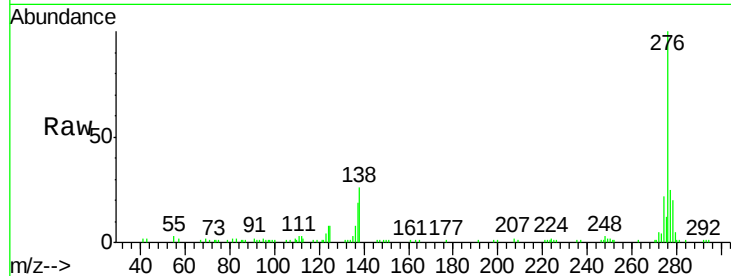
Tgt Ion:278 Resp: 24531

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

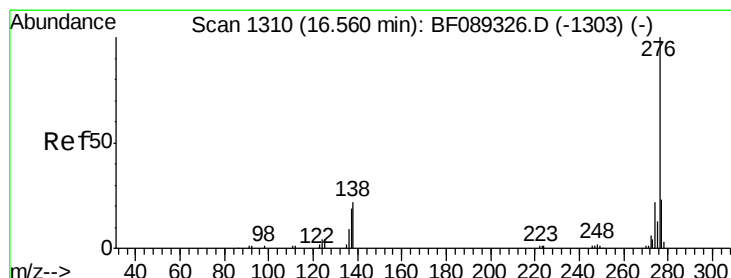
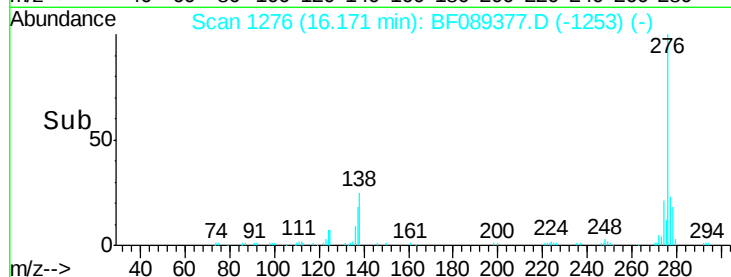
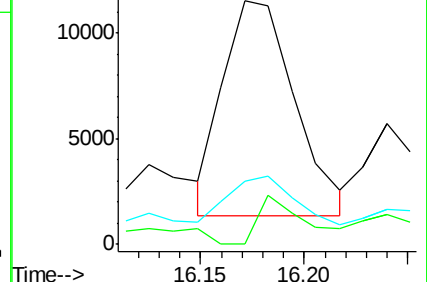
279 26.0 19.1 28.7



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: 22.27 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089377.D

Acq: 28 Jul 2016 22:14

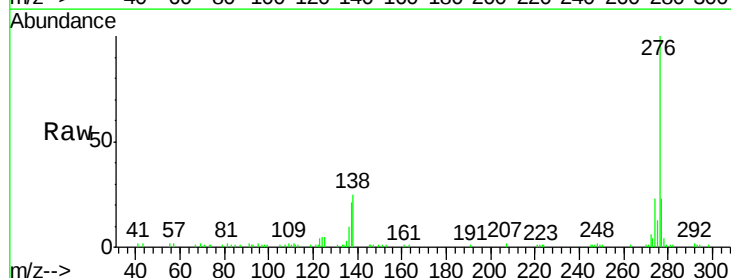
Tgt Ion:276 Resp: 101310

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 24.5 21.4 32.0



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

