

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081535.D
 Acq On : 8 Sep 2015 21:54
 Operator : UM/IZ
 Sample : G3555-12DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 23:53:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

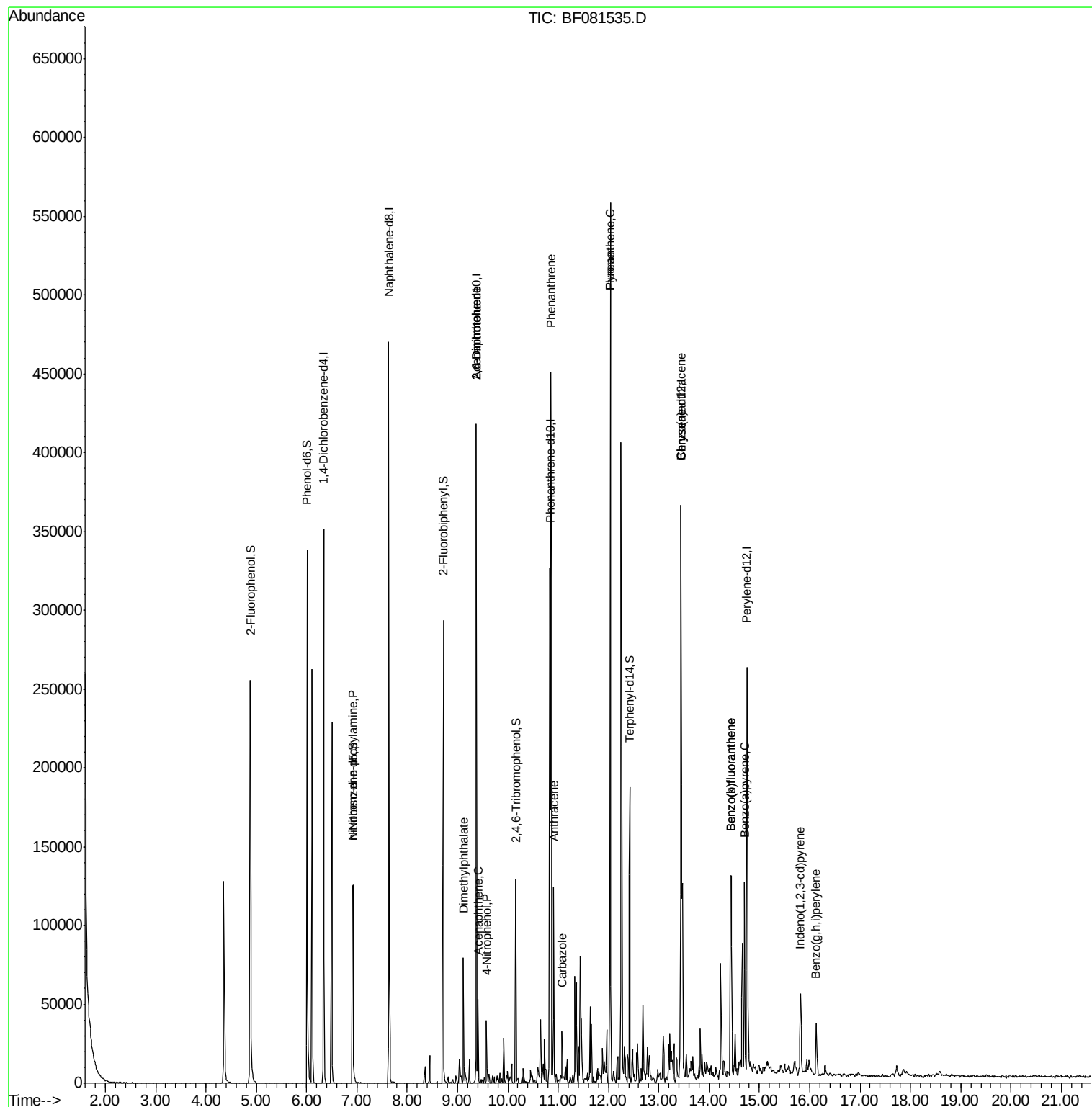
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	46246	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	186729	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	80527	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	143072	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	98007	20.00	ng	-0.01
86) Perylene-d12	14.75	264	93289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.88	112	77024	25.84	ng	0.00
7) Phenol-d6	6.01	99	109914	27.86	ng	-0.01
23) Nitrobenzene-d5	6.92	82	63355	16.37	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	15713	21.91	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	108141	17.21	ng	0.00
78) Terphenyl-d14	12.42	244	68194	16.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.91	70	8128	3.03	ng	# 69
49) Dimethylphthalate	9.12	163	29563	4.73	ng	# 97
50) 2,6-Dinitrotoluene	9.37	165	10748	7.57	ng	# 39
51) Acenaphthene	9.40	154	11296	2.09	ng	91
55) 4-Nitrophenol	9.58	139	6387	6.29	ng	# 25
56) 2,4-Dinitrotoluene	9.37	165	10748	5.94	ng	# 33
70) Phenanthrene	10.86	178	224282	28.20	ng	97
71) Anthracene	10.91	178	53116	6.50	ng	100
72) Carbazole	11.07	167	16004	2.09	ng	# 90
74) Fluoranthene	12.03	202	214515	24.91	ng	89
77) Pyrene	12.03	202	214515	29.55	ng	99
80) Benzo(a)anthracene	13.44	228	78461	12.57	ng	96
82) Chrysene	13.44	228	78461	14.02	ng	98
85) Indeno(1,2,3-cd)pyrene	15.82	276	30103	7.33	ng	# 80
87) Benzo(b)fluoranthene	14.43	252	98305	14.76	ng	# 86
88) Benzo(k)fluoranthene	14.43	252	98305	17.79	ng	# 87
89) Benzo(a)pyrene	14.71	252	55474	9.83	ng	# 83
91) Benzo(g,h,i)perylene	16.13	276	25360	6.09	ng	# 74

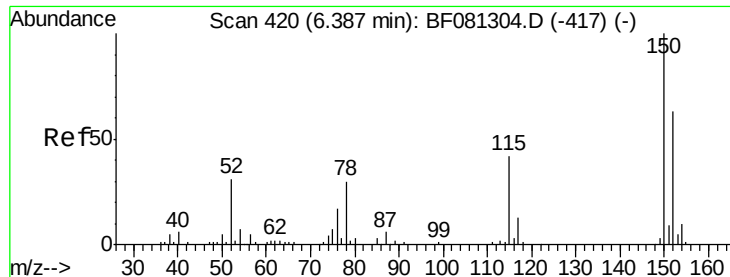
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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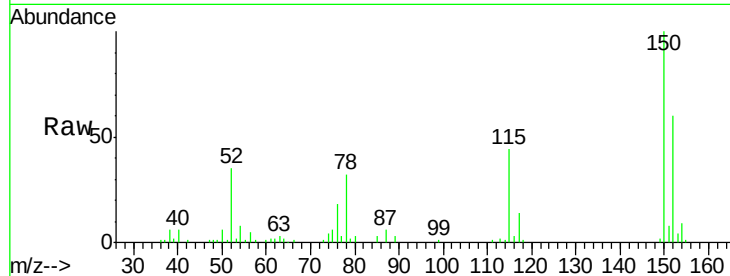


#1

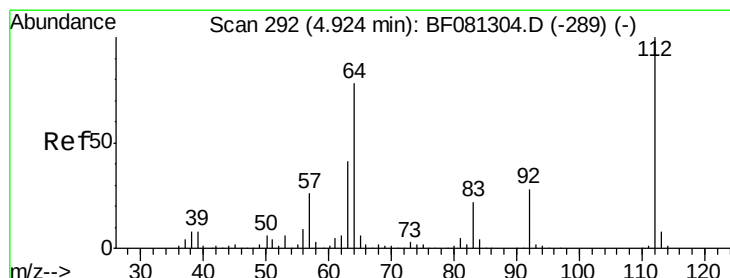
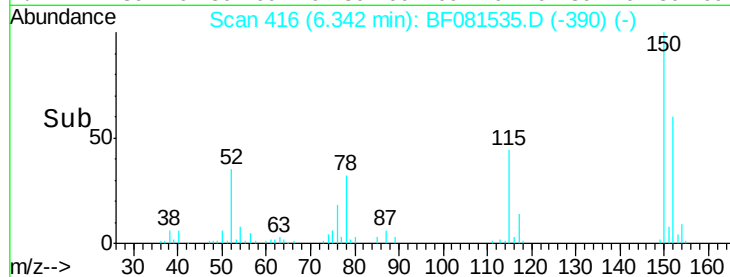
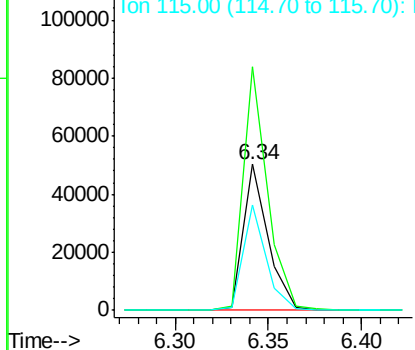
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.34 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 46246
 Ion Ratio Lower Upper
 152 100
 150 166.5 124.7 187.1
 115 72.4 39.0 58.4#



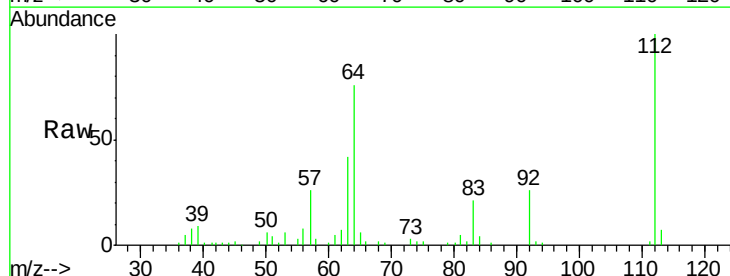
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



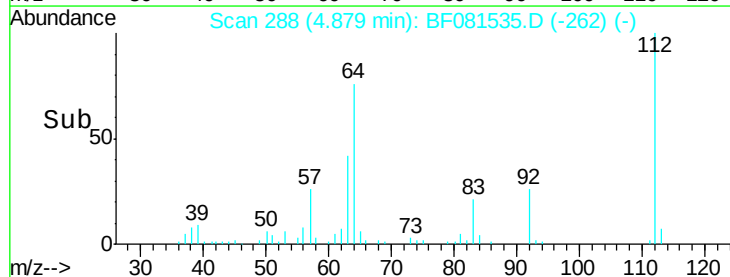
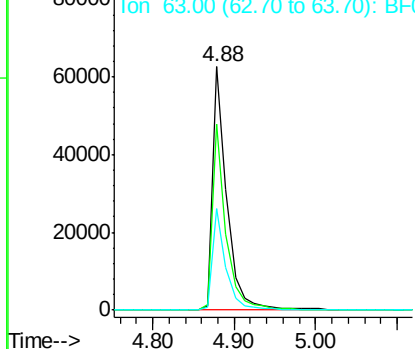
#5

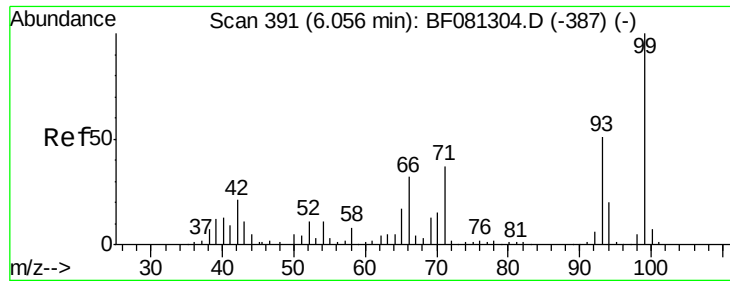
2-Fluorophenol
 Concen: 25.84 ng
 RT: 4.88 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Tgt Ion:112 Resp: 77024
 Ion Ratio Lower Upper
 112 100
 64 76.3 39.7 59.5#
 63 41.9 17.4 26.0#



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: 27.86 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

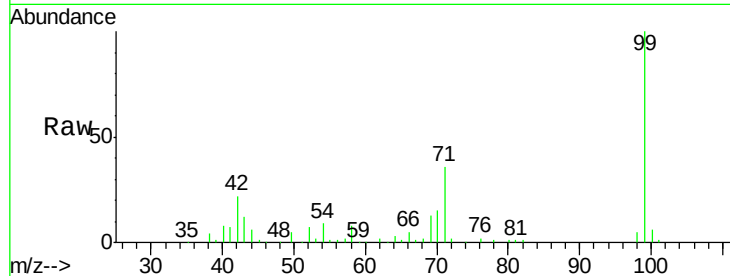
Tot Ion: 99 Resp: 109914

Ion Ratio Lower Upper

99 100

42 22.2 13.7 20.5#

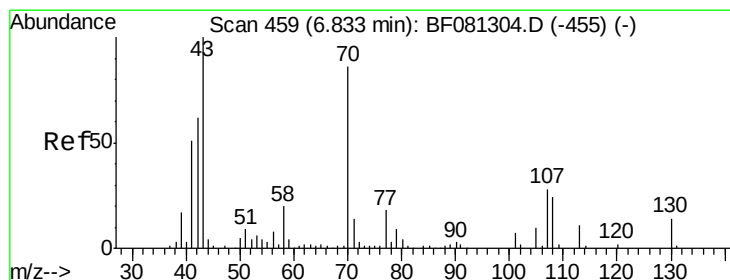
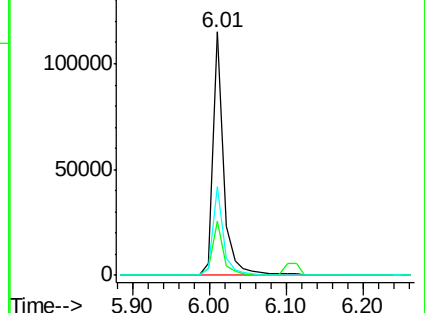
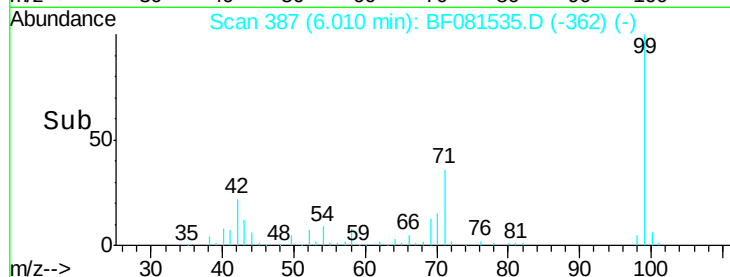
71 36.3 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.03 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Tgt Ion: 70 Resp: 8128

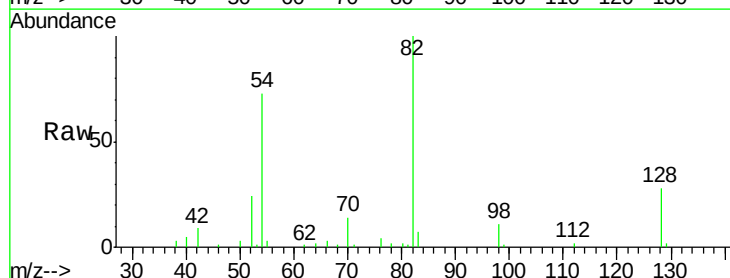
Ion Ratio Lower Upper

70 100

42 62.4 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#

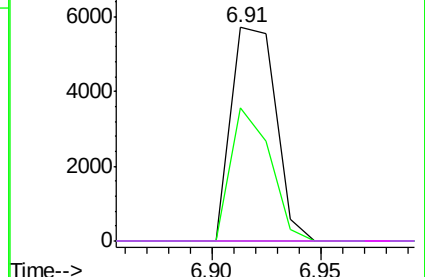
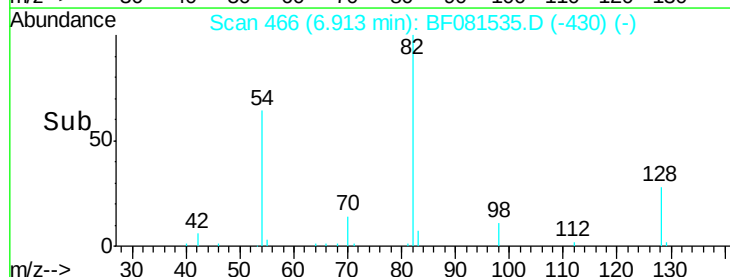


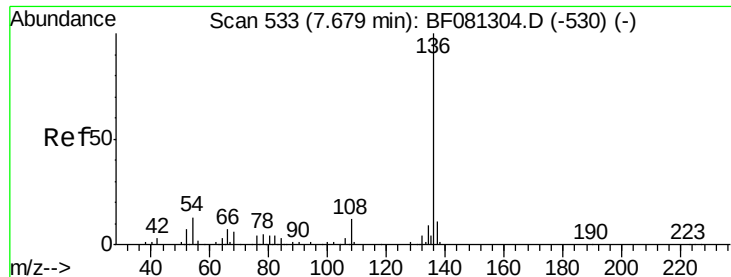
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 186729

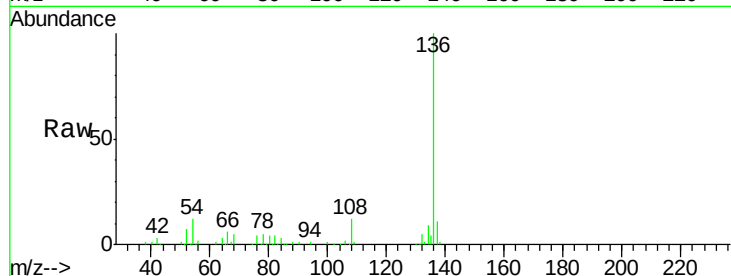
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 12.1 8.2 12.2

68 5.4 5.8 8.6#

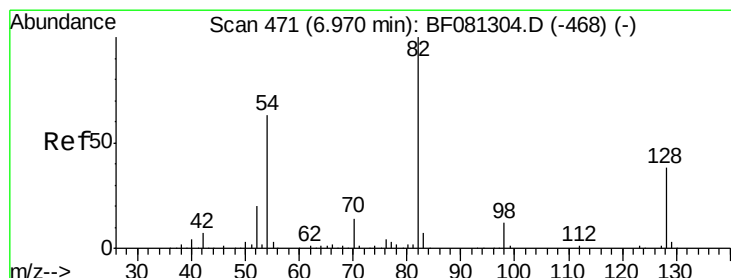
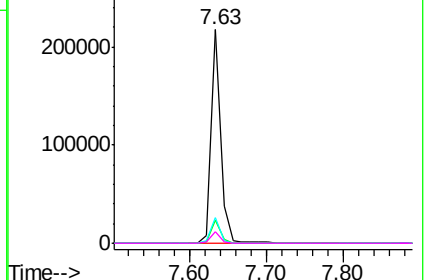
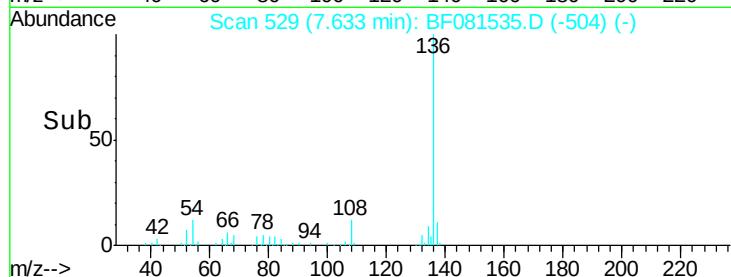


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.37 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

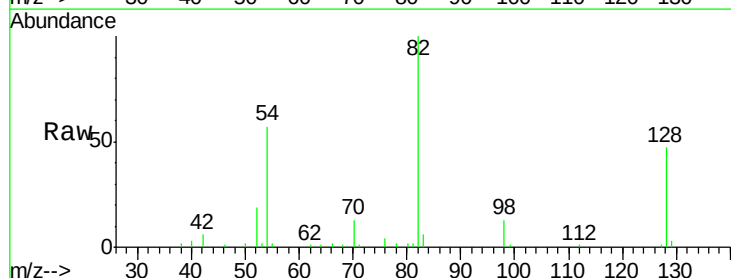
Tgt Ion: 82 Resp: 63355

Ion Ratio Lower Upper

82 100

128 47.5 51.0 76.6#

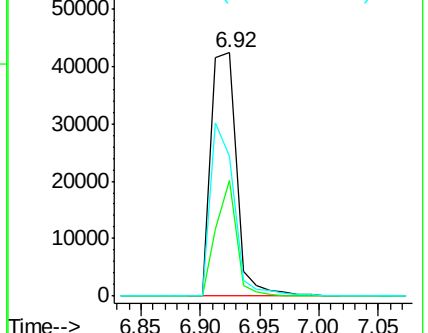
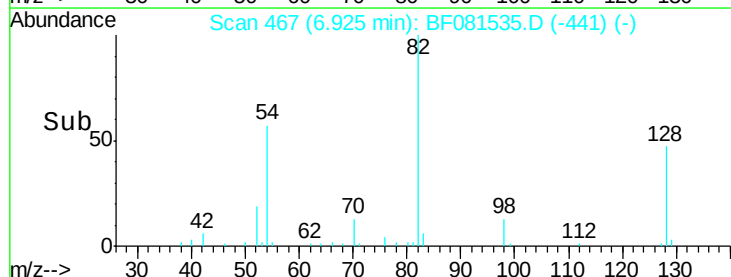
54 57.4 47.5 71.3

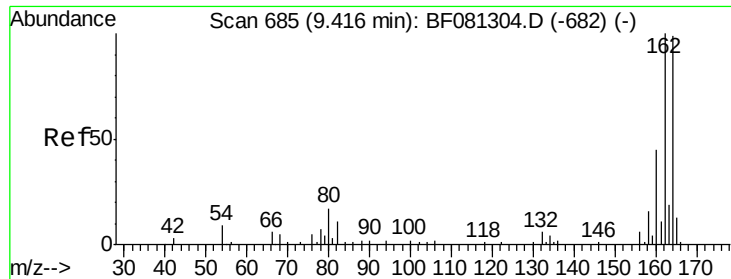


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

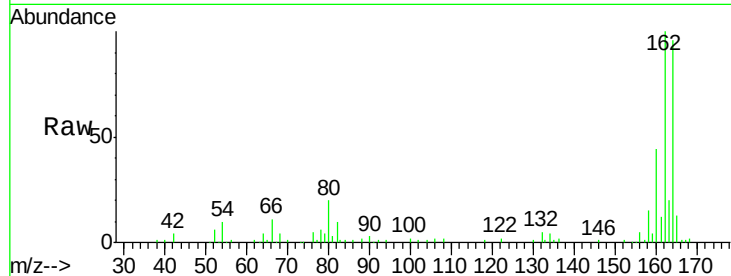
Tot Ion:164 Resp: 80527

Ion Ratio Lower Upper

164 100

162 104.5 75.2 112.8

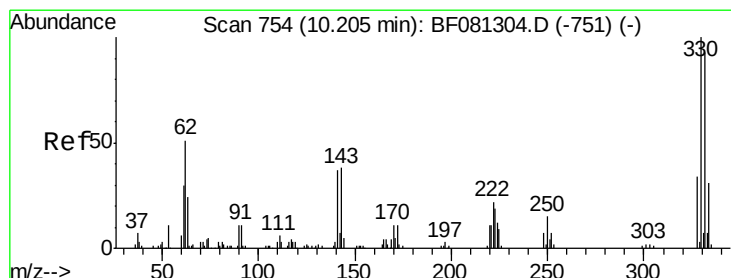
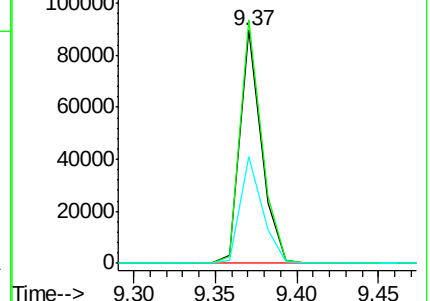
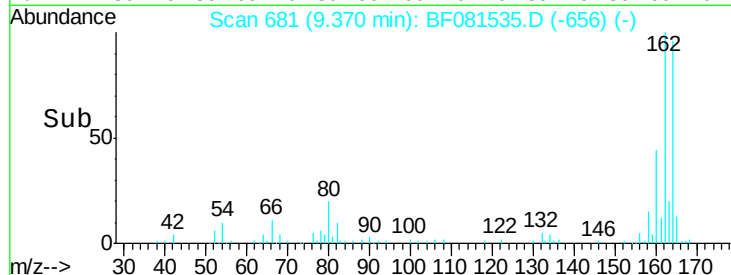
160 46.1 31.5 47.3



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: 21.91 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

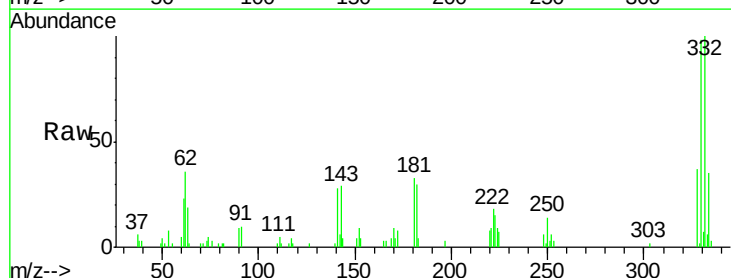
Tgt Ion:330 Resp: 15713

Ion Ratio Lower Upper

330 100

332 101.2 76.6 114.8

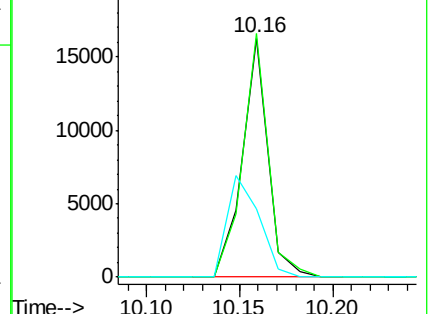
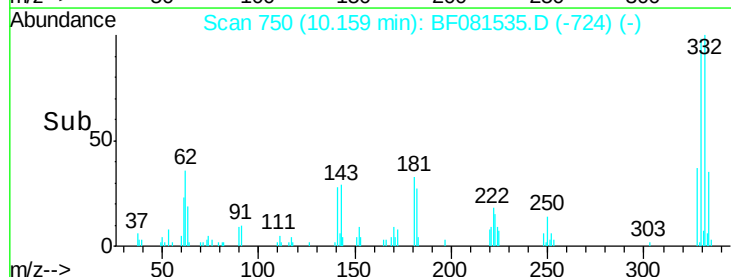
141 53.0 29.7 44.5#

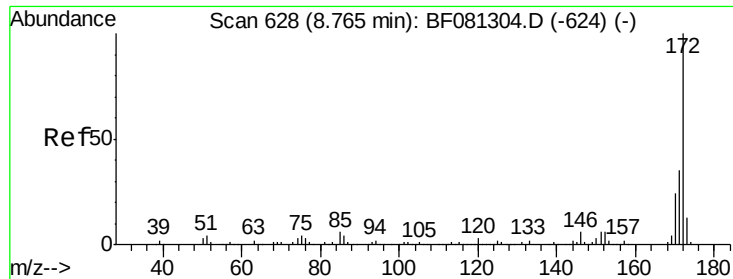


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

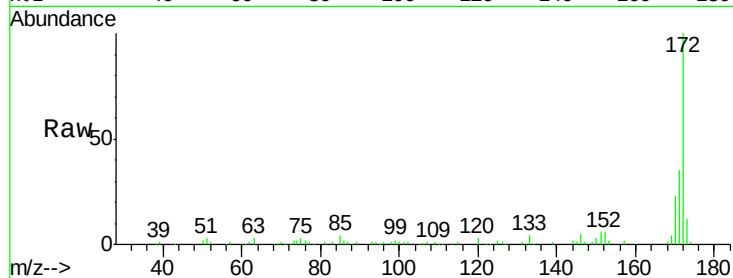




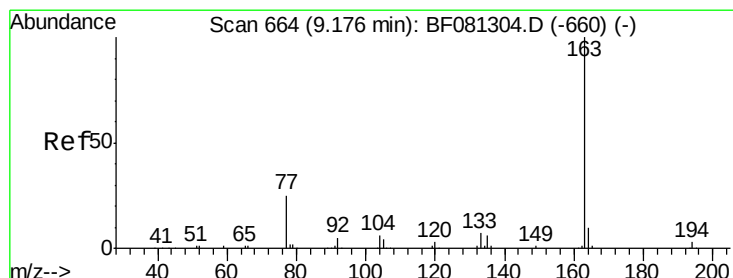
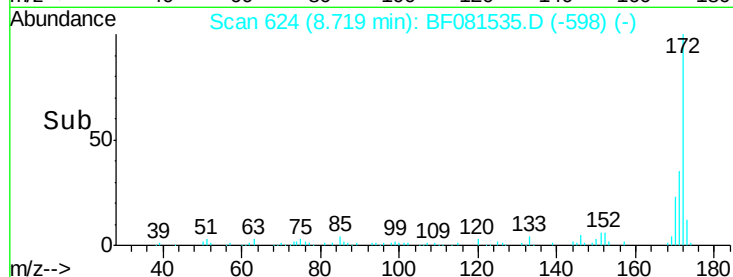
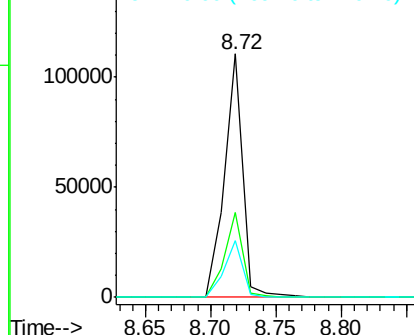
#44
2-Fluorobiphenyl
Concen: 17.21 ng
RT: 8.72 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 108141
Ion Ratio Lower Upper
172 100
171 34.7 26.1 39.1
170 23.3 17.4 26.2

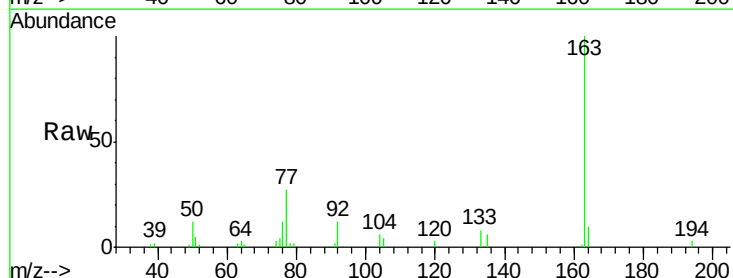


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

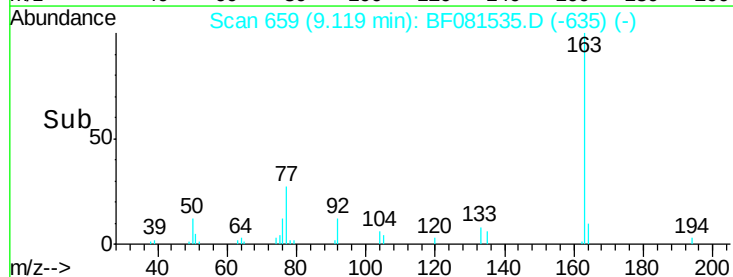
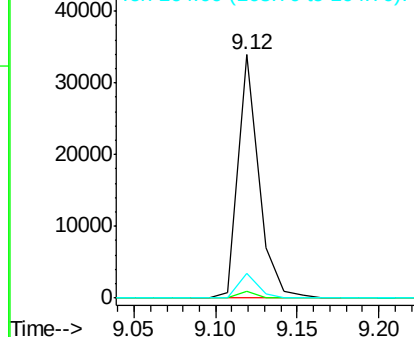


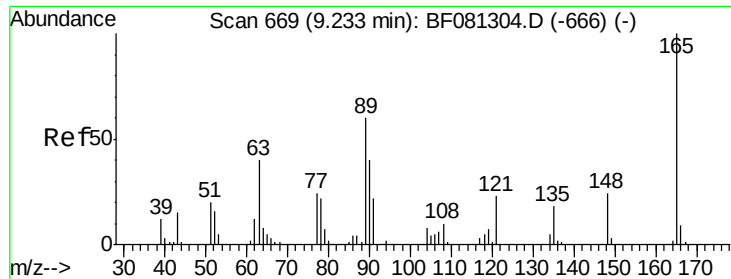
#49
Dimethylphthalate
Concen: 4.73 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion:163 Resp: 29563
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 10.2 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

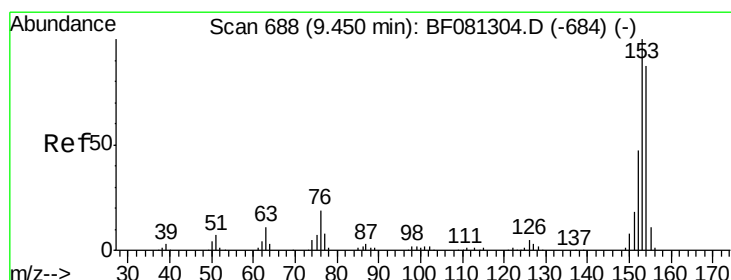
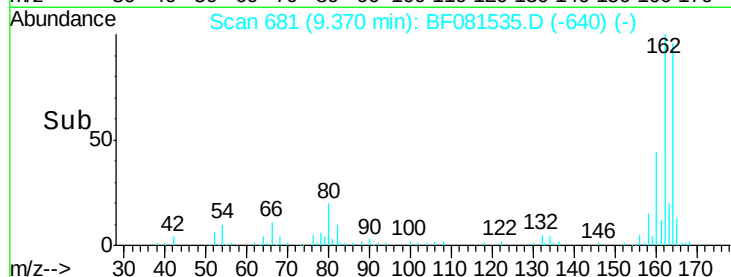
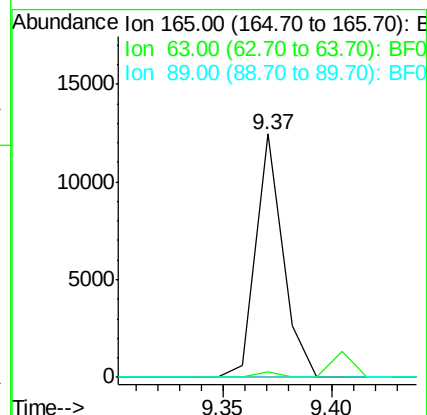
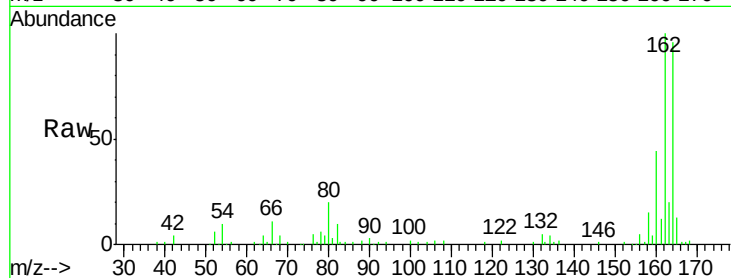




#50
2,6-Dinitrotoluene
Concen: 7.57 ng
RT: 9.37 min Scan# 681
Delta R.T. 0.17 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

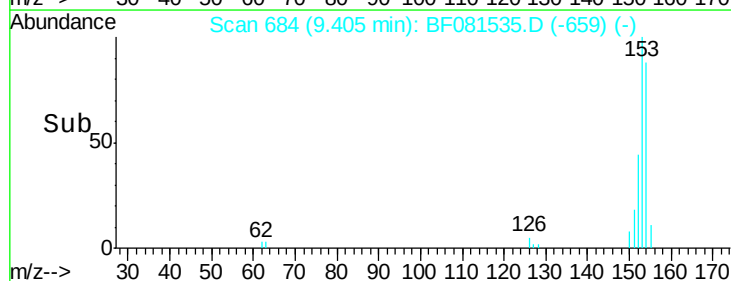
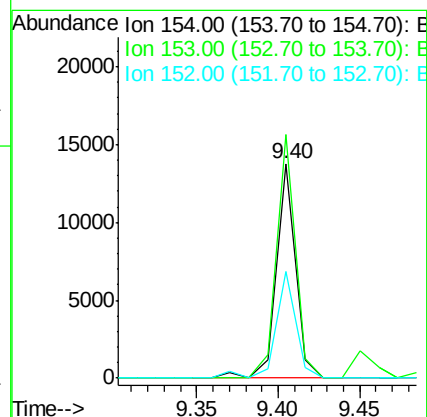
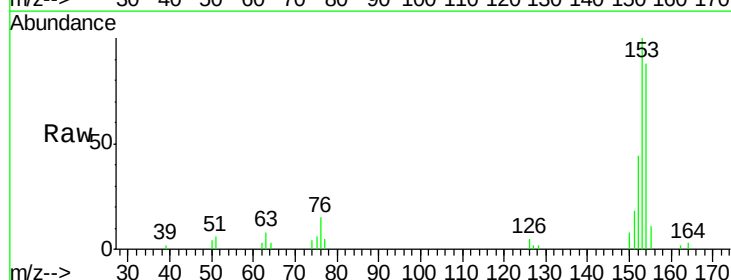
Instrument :
BNA_F
ClientSampleId :

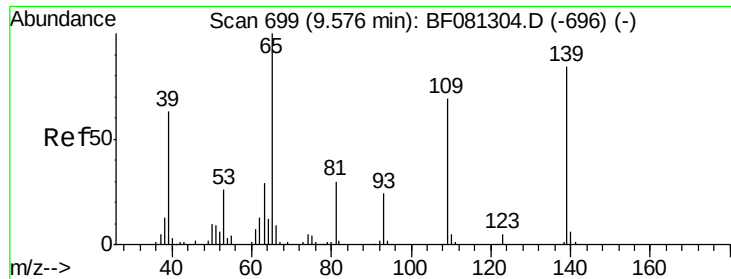
Tot Ion:165 Resp: 10748
Ion Ratio Lower Upper
165 100
63 2.5 32.3 48.5#
89 0.0 28.6 43.0#



#51
Acenaphthene
Concen: 2.09 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion:154 Resp: 11296
Ion Ratio Lower Upper
154 100
153 113.6 82.1 123.1
152 49.9 37.9 56.9





#55

4-Nitrophenol

Concen: 6.29 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

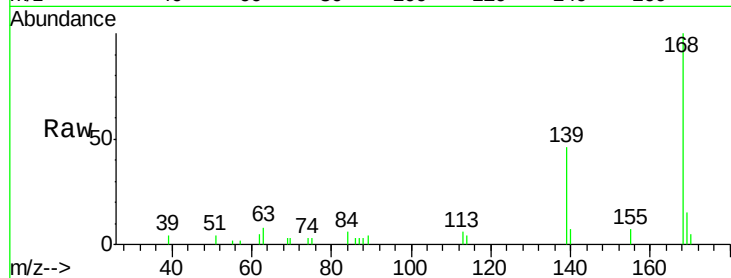
Tot Ion:139 Resp: 6387

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

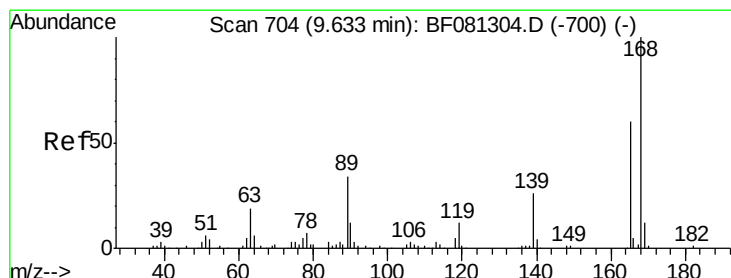
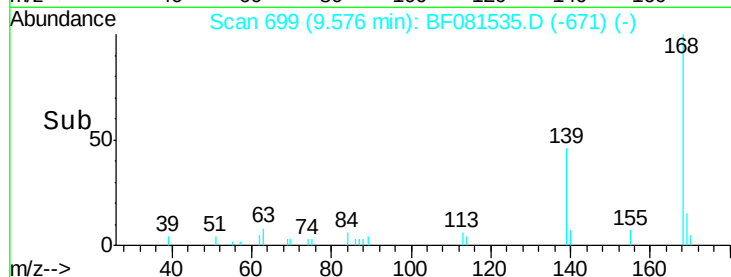
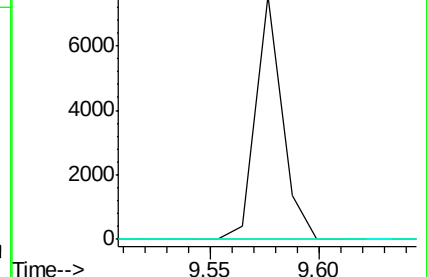
65 0.0 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Tgt Ion:165 Resp: 10748

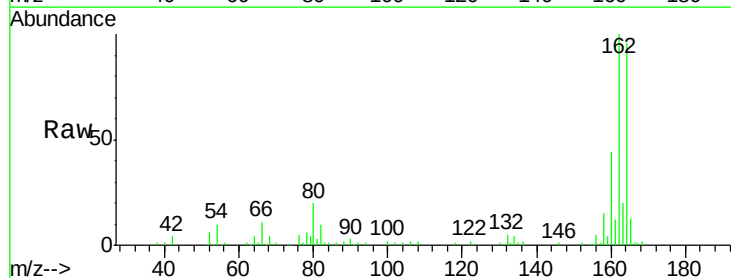
Ion Ratio Lower Upper

165 100

63 2.5 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

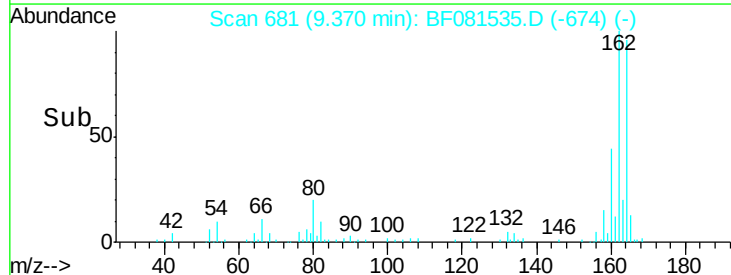
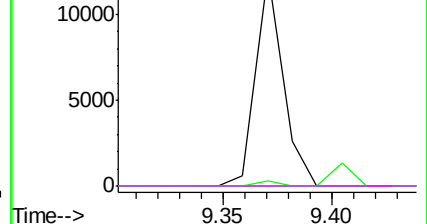


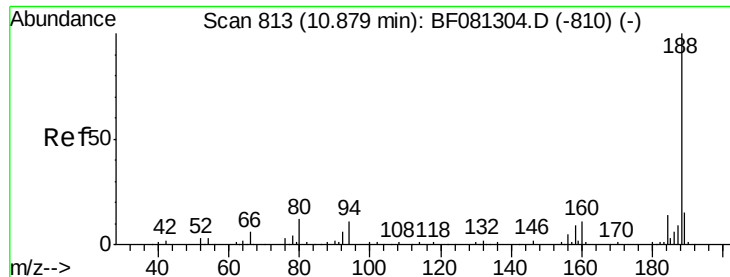
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

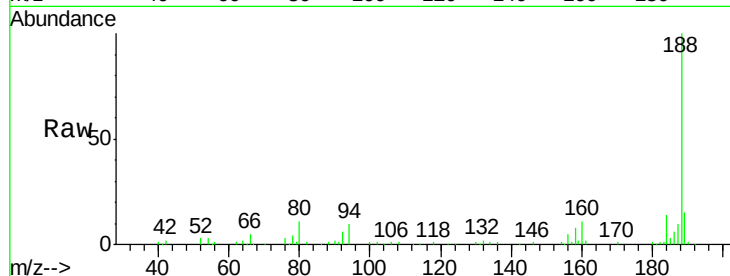




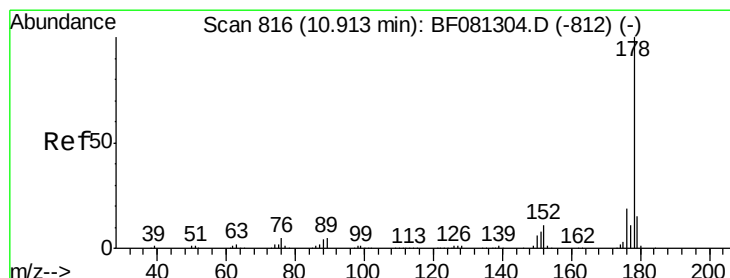
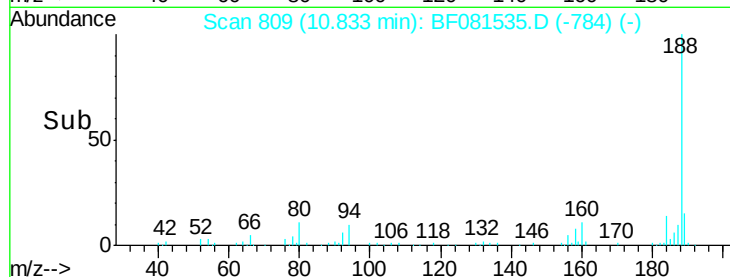
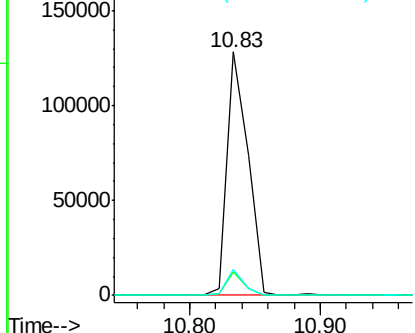
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 143072
Ion Ratio Lower Upper
188 100
94 9.8 11.1 16.7#
80 10.9 11.0 16.4#

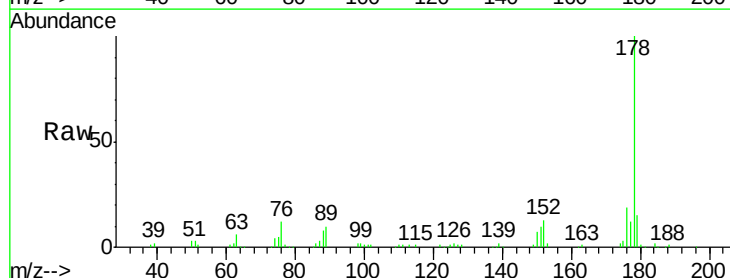


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

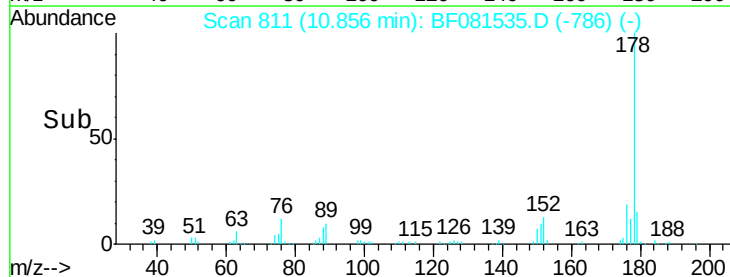
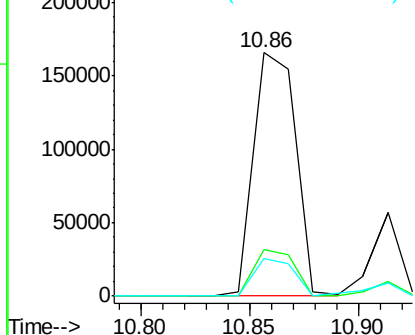


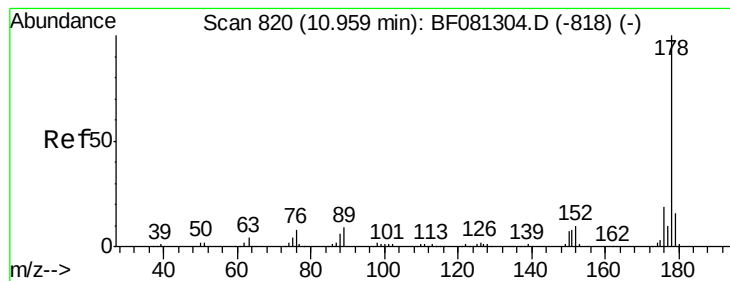
#70
Phenanthrene
Concen: 28.20 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion:178 Resp: 224282
Ion Ratio Lower Upper
178 100
176 19.3 13.8 20.8
179 15.3 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.50 ng

RT: 10.91 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

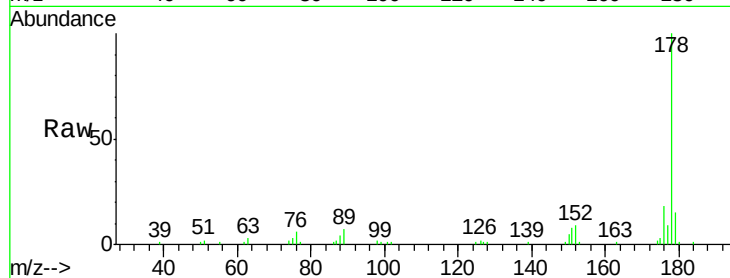
Tot Ion:178 Resp: 53116

Ion Ratio Lower Upper

178 100

176 18.0 14.1 21.1

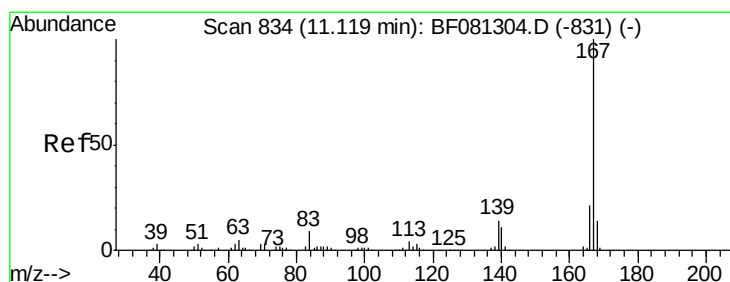
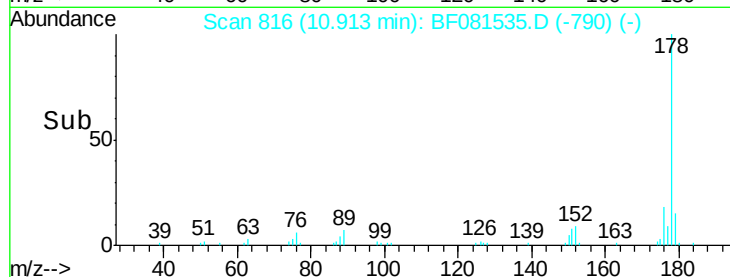
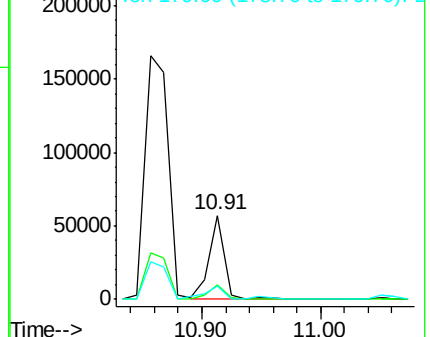
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.09 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

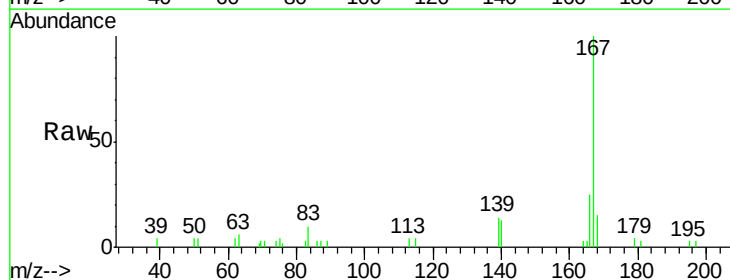
Tgt Ion:167 Resp: 16004

Ion Ratio Lower Upper

167 100

166 25.1 15.7 23.5#

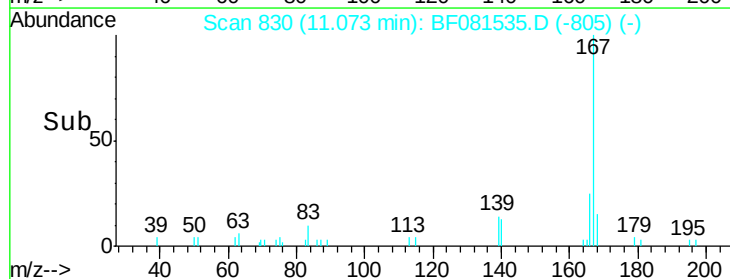
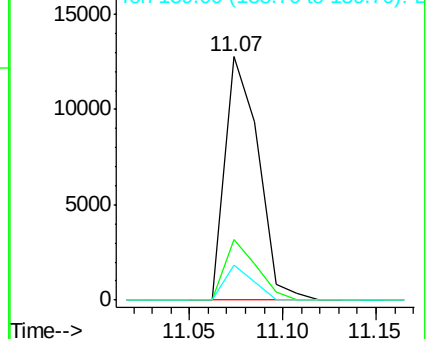
139 14.1 9.5 14.3

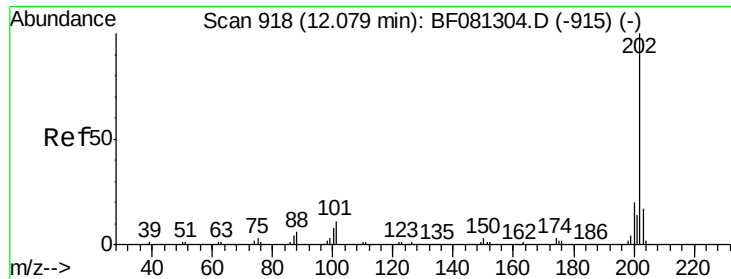


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.91 ng

RT: 12.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :

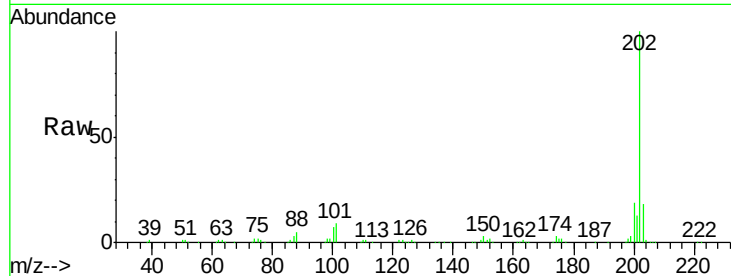
Tot Ion:202 Resp: 214515

Ion Ratio Lower Upper

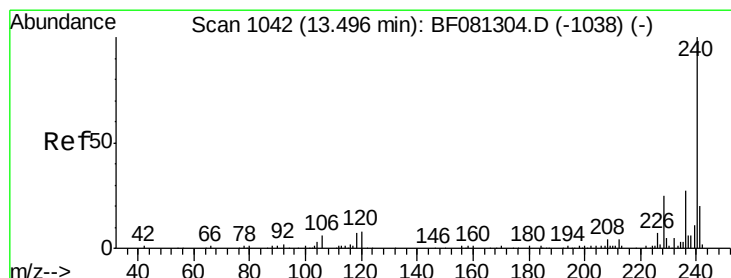
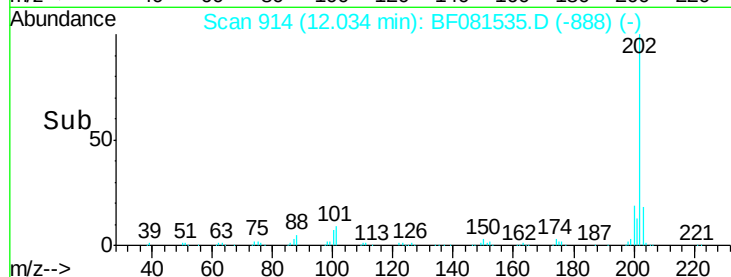
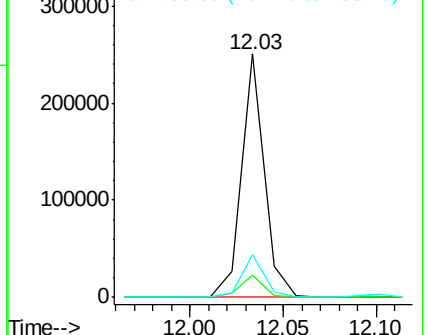
202 100

101 8.9 0.0 38.3

203 17.6 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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

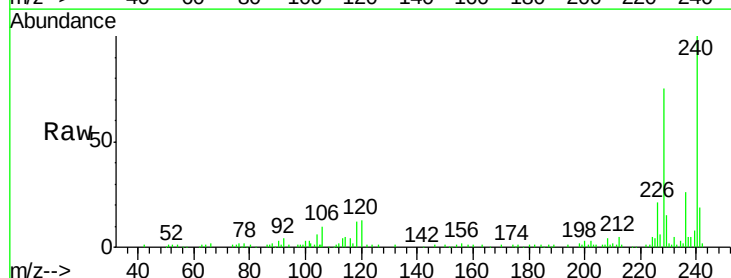
Tgt Ion:240 Resp: 98007

Ion Ratio Lower Upper

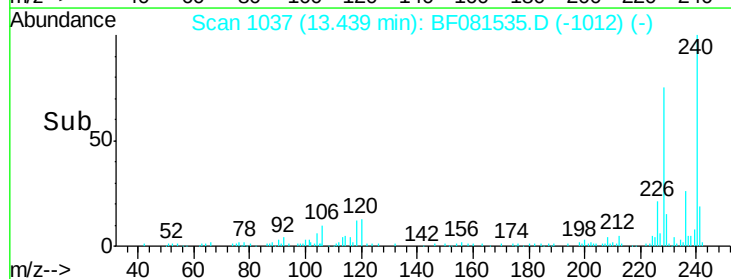
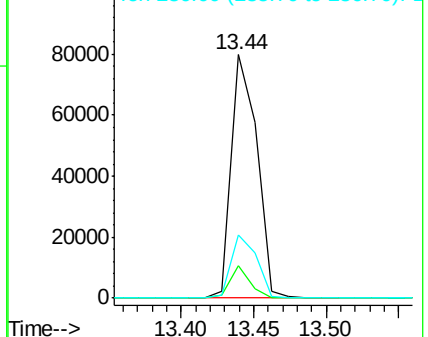
240 100

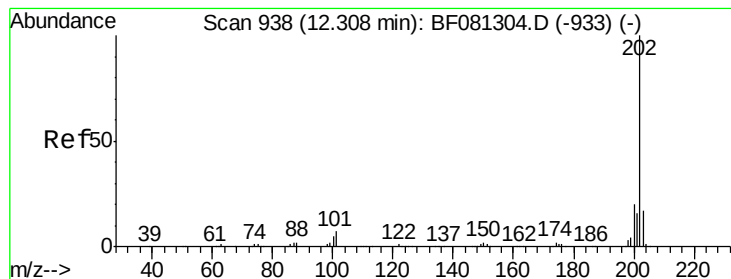
120 13.1 16.2 24.2#

236 26.0 18.4 27.6



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

Pvrene

Concen: 29.55 ng

RT: 12.03 min Scan# 914

Delta R.T. -0.23 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

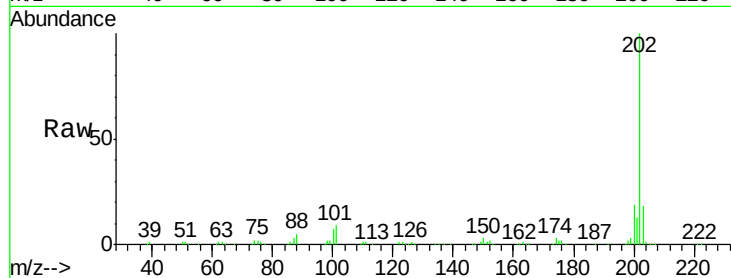
Tot Ion:202 Resp: 214515

Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

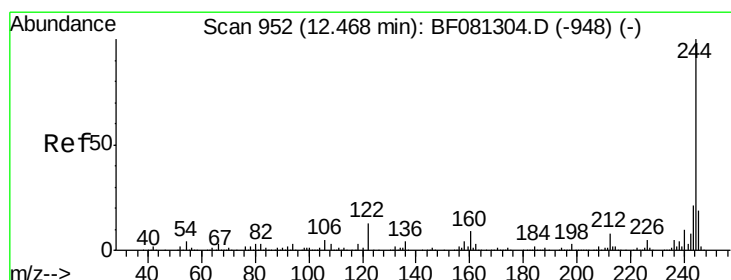
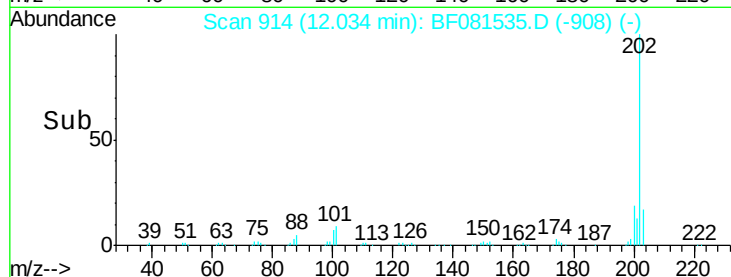
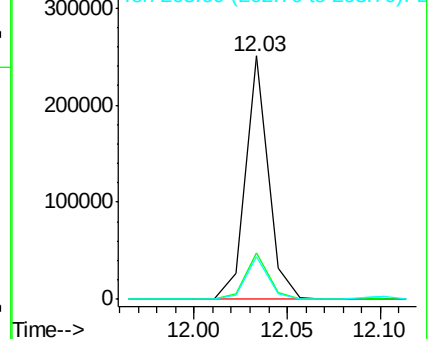
203 17.6 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 16.20 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

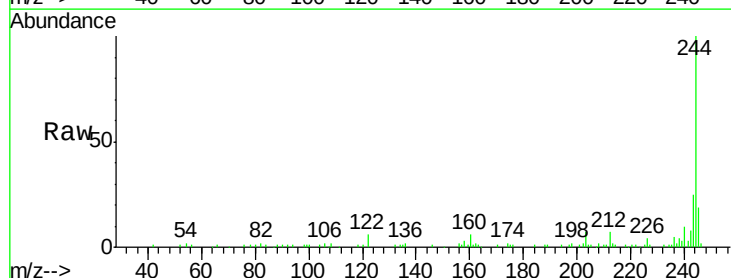
Tgt Ion:244 Resp: 68194

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

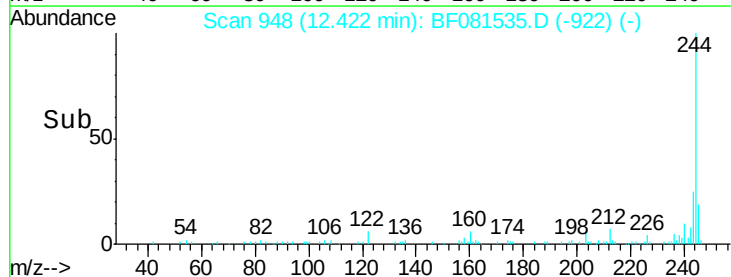
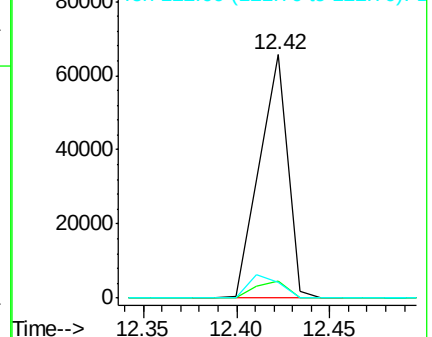
122 6.3 17.4 26.2#

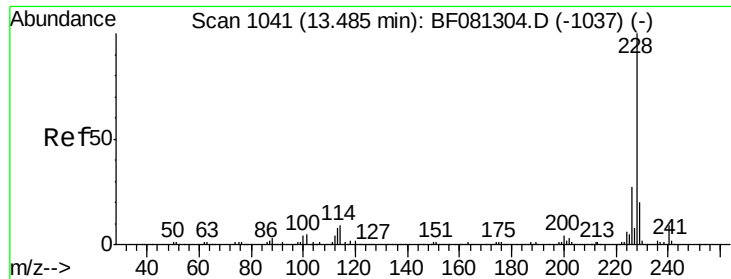


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.57 ng

RT: 13.44 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

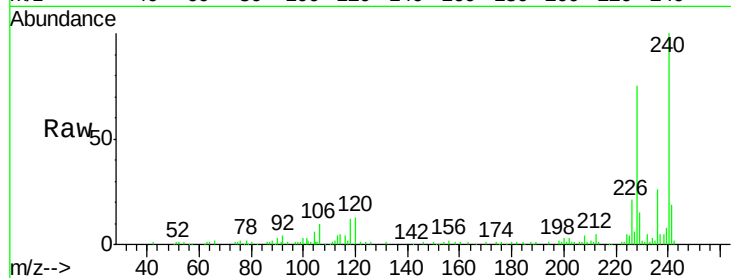
Tot Ion:228 Resp: 78461

Ion Ratio Lower Upper

228 100

226 27.6 20.0 30.0

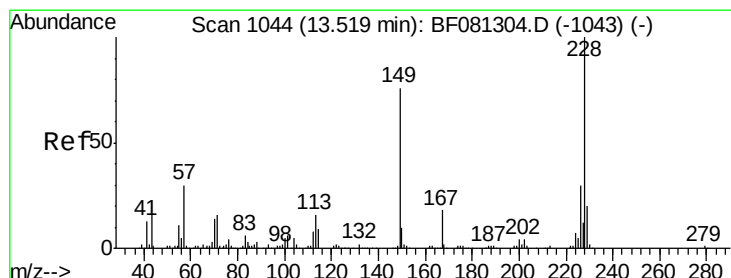
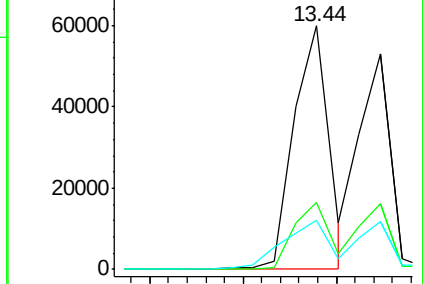
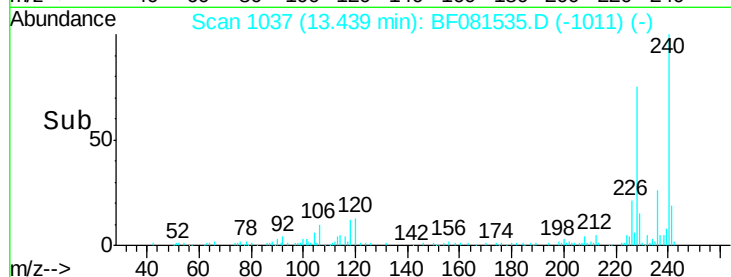
229 20.3 15.4 23.2



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: 14.02 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

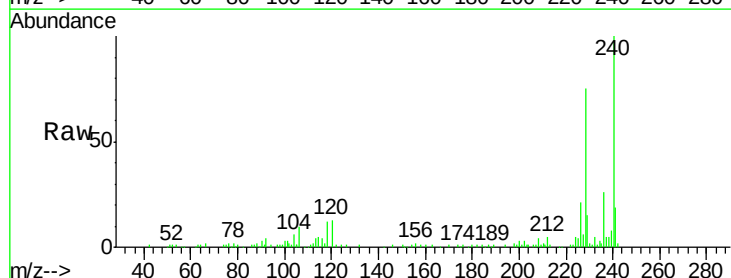
Tgt Ion:228 Resp: 78461

Ion Ratio Lower Upper

228 100

226 27.6 21.0 31.4

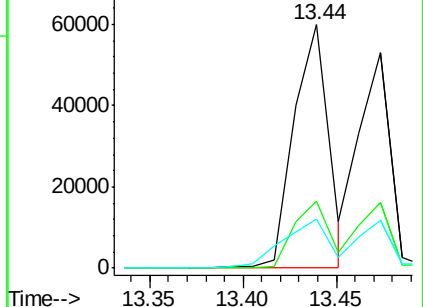
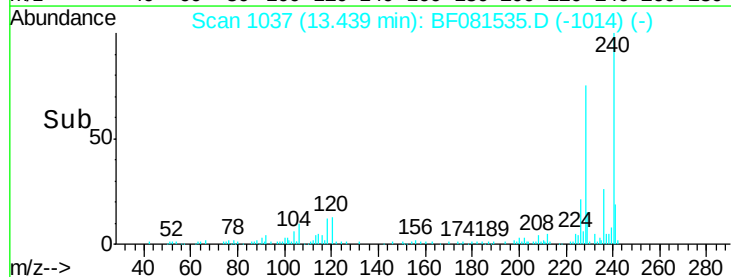
229 20.3 15.6 23.4

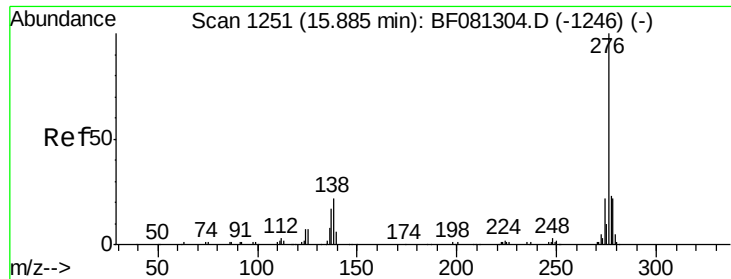


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.33 ng

RT: 15.82 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampled :

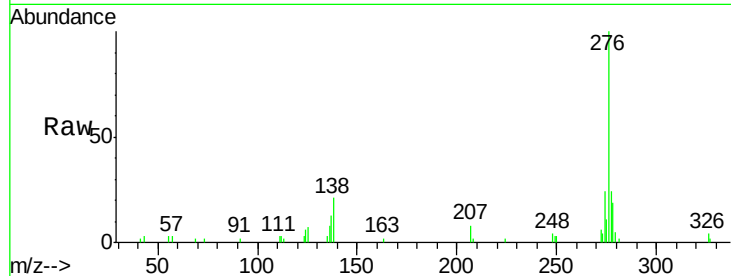
Tot Ion:276 Resp: 30103

Ion Ratio Lower Upper

276 100

138 19.3 25.7 38.5#

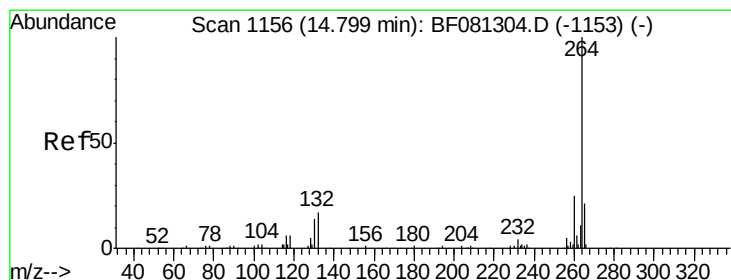
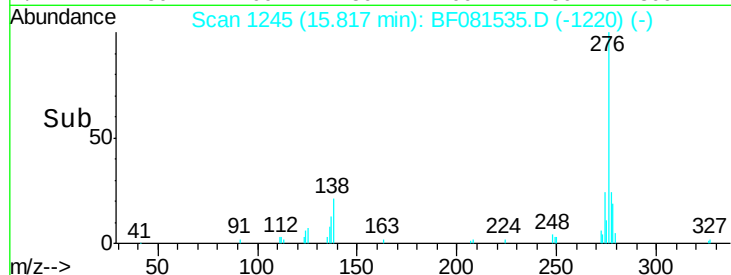
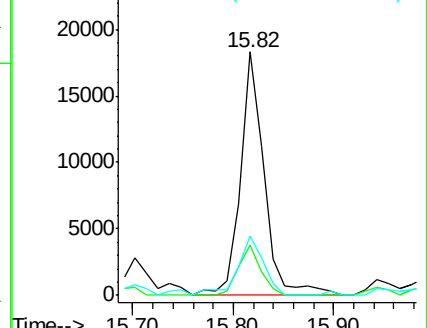
277 26.6 15.6 23.4#



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: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

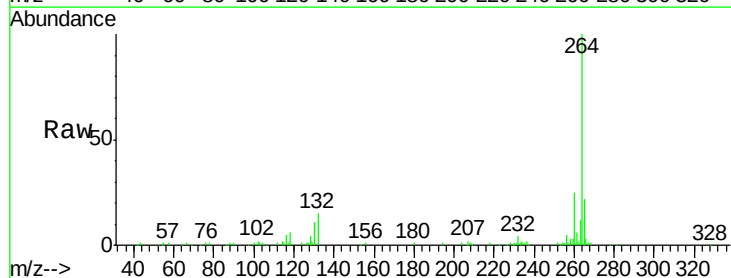
Tgt Ion:264 Resp: 93289

Ion Ratio Lower Upper

264 100

260 24.7 16.7 25.1

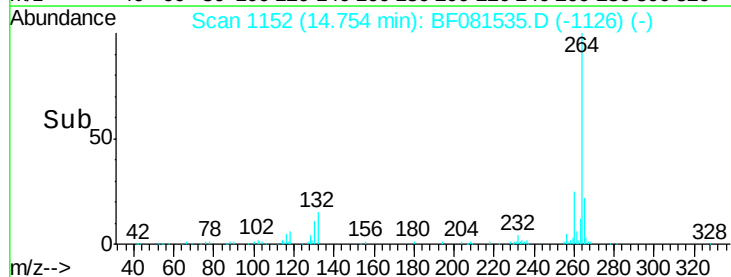
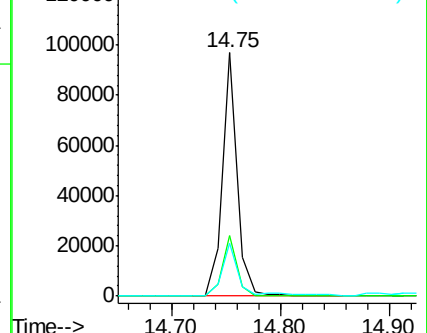
265 21.7 17.2 25.8

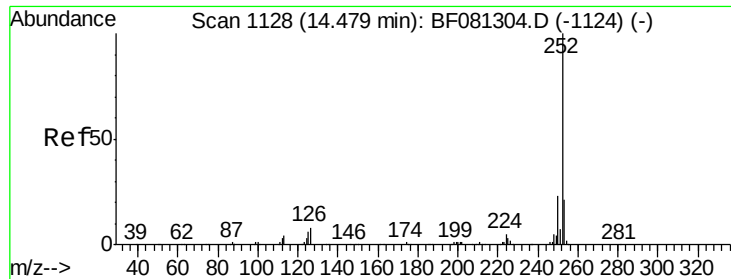


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.76 ng

RT: 14.43 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

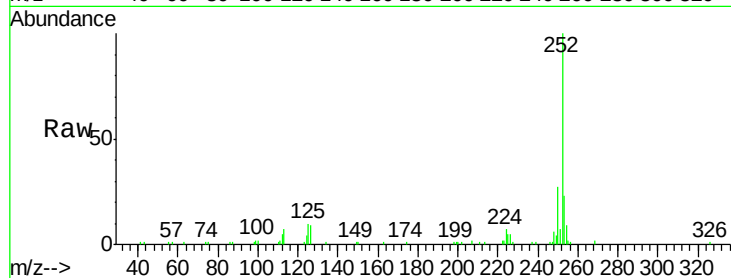
Tot Ion:252 Resp: 98305

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

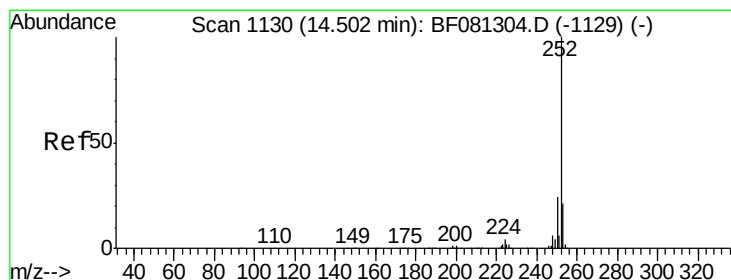
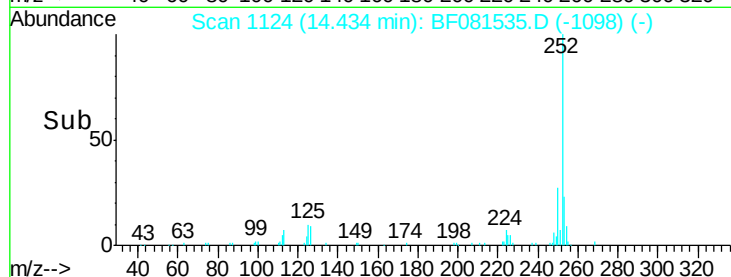
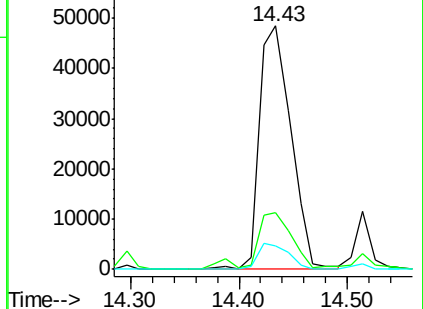
125 9.5 17.1 25.7#



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: 17.79 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

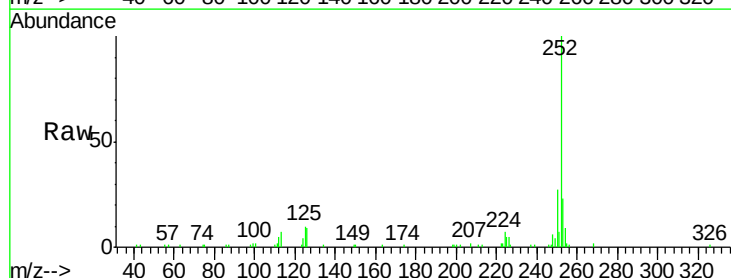
Tgt Ion:252 Resp: 98305

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

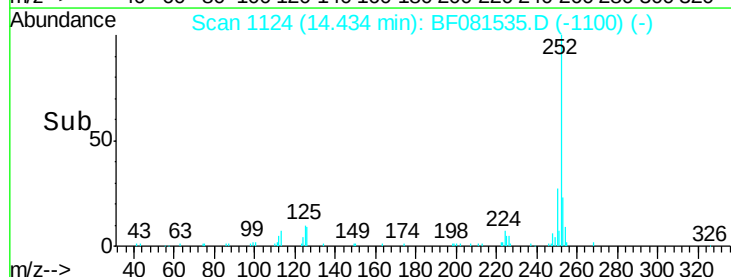
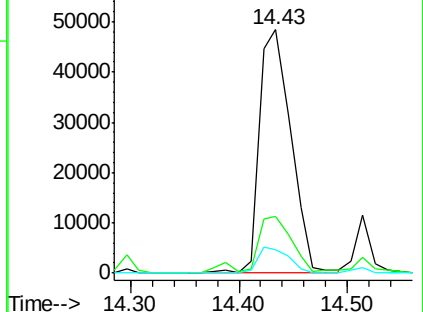
125 9.5 16.0 24.0#

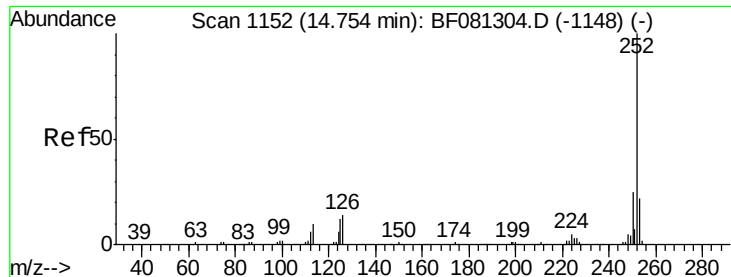


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

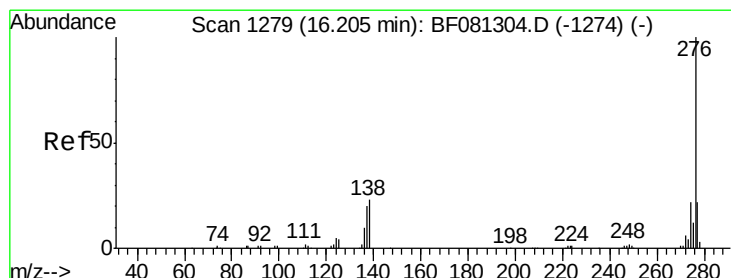
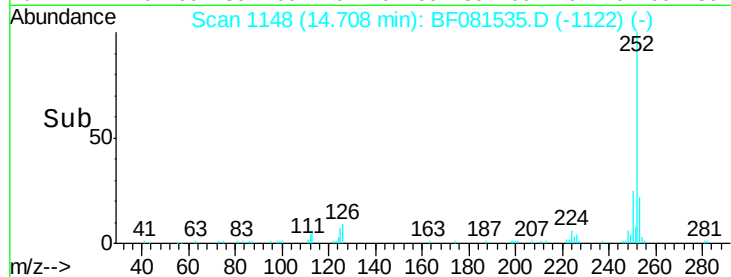
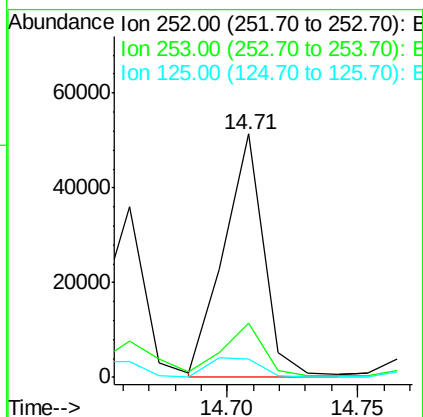
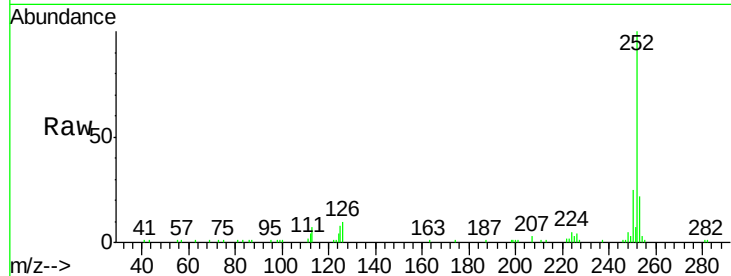




#89
Benzo(a)pyrene
Concen: 9.83 ng
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55474
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 7.7 18.0 27.0#



#91
Benzo(g,h,i)perylene
Concen: 6.09 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion:276 Resp: 25360
Ion Ratio Lower Upper
276 100
277 23.4 17.8 26.6
138 18.7 34.6 51.8#

