

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031815\
 Data File : BF077825.D
 Acq On : 19 Mar 2015 7:07
 Operator : TP/IZ
 Sample : G1535-02 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Quant Time: Mar 19 07:23:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 04:21:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	37994	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	157220	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	79016	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	156439	20.00	ng	0.01
75) Chrysene-d12	16.04	240	175247	20.00	ng	0.01
86) Perylene-d12	17.84	264	169187	20.00	ng	0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	101791	46.76	ng	0.02
7) Phenol-d6	6.74	99	150885	56.11	ng	0.01
23) Nitrobenzene-d5	7.86	82	84603	35.27	ng	0.00
41) 2,4,6-Tribromophenol	11.89	330	24506	32.41	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	180381	33.55	ng	0.00
78) Terphenyl-d14	14.74	244	212568	29.63	ng	0.00

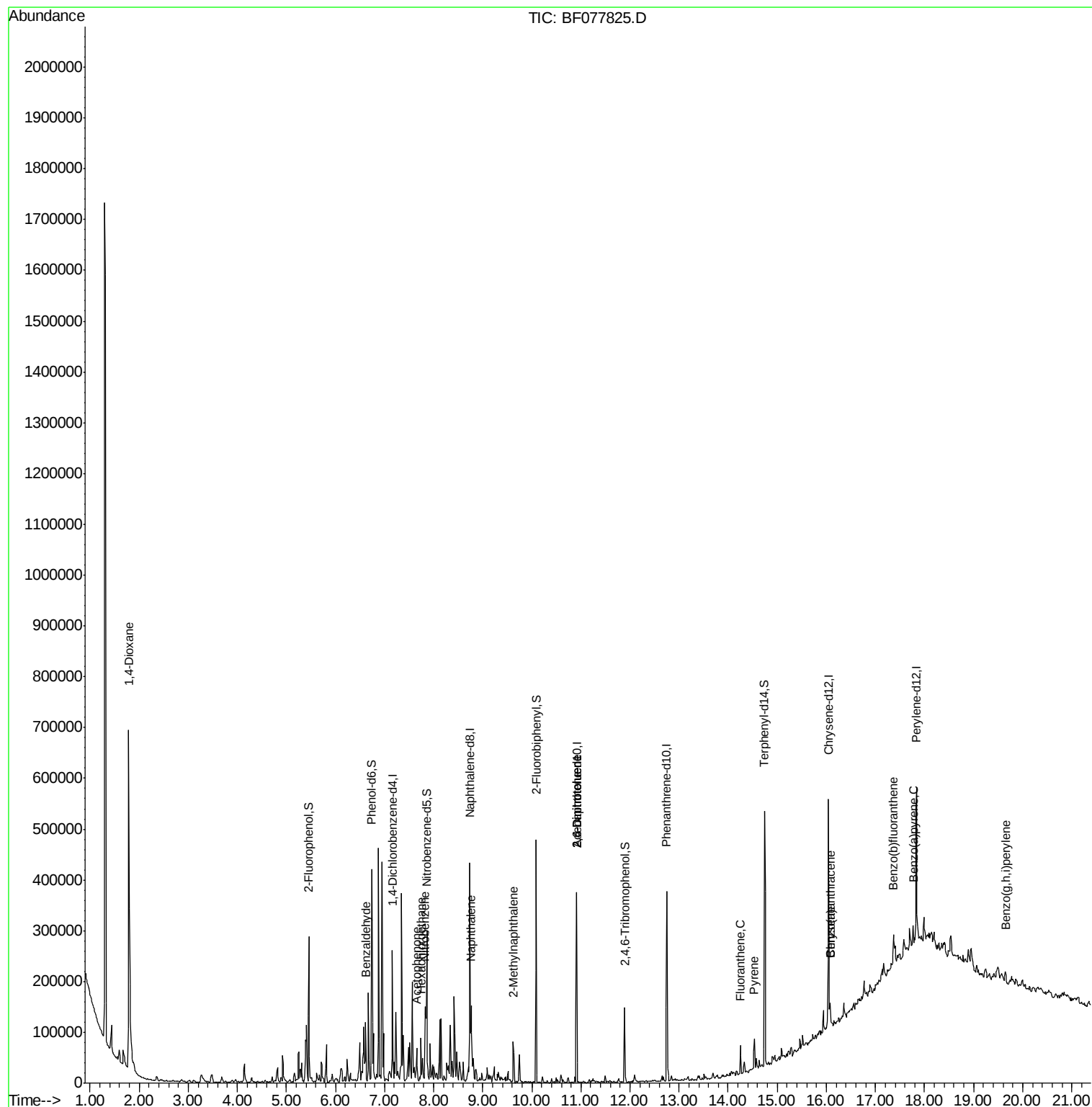
Target Compounds						Qvalue
2) 1,4-Dioxane	1.79	88	27978	28.31	ng	# 100
9) Benzaldehyde	6.61	77	4933	4.48	ng	# 1
18) Hexachloroethane	7.74	117	4337	4.42	ng	# 1
22) Acetophenone	7.65	105	21187	6.09	ng	# 57
24) Nitrobenzene	7.82	77	7939	3.07	ng	# 18
31) Naphthalene	8.76	128	64796	8.02	ng	99
37) 2-Methylnaphthalene	9.62	142	30464	5.62	ng	97
50) 2,6-Dinitrotoluene	10.91	165	10674	8.79	ng	# 24
56) 2,4-Dinitrotoluene	10.91	165	10674	6.74	ng	# 11
74) Fluoranthene	14.25	202	29847	3.01	ng	93
76) Benzydine	14.44	184	1873	Below Cal		# 51
77) Pyrene	14.53	202	28863	2.62	ng	97
80) Benzo(a)anthracene	16.08	228	21019	2.02	ng	91
82) Chrysene	16.08	228	21019	2.25	ng	# 94
87) Benzo(b)fluoranthene	17.37	252	50801	4.60	ng	# 89
89) Benzo(a)pyrene	17.77	252	23480	2.55	ng	# 79
91) Benzo(g,h,i)perylene	19.65	276	19343	2.08	ng	# 91

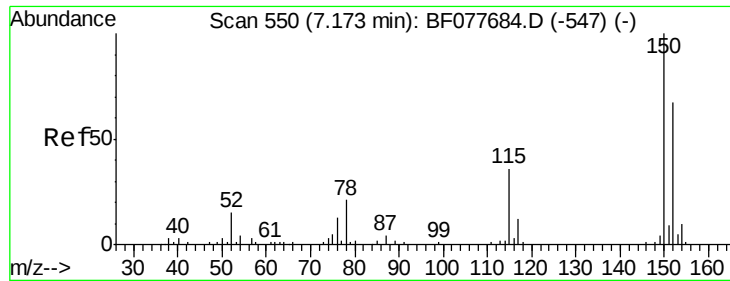
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.16 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

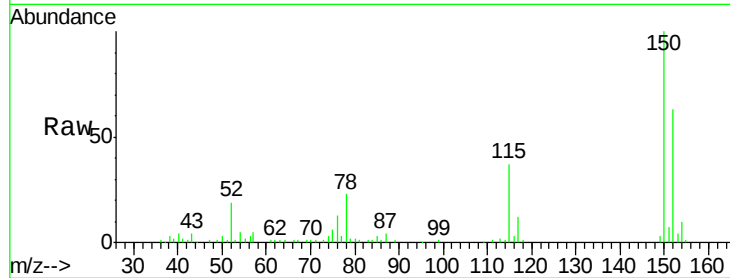
Tgt Ion:152 Resp: 37994

Ion Ratio Lower Upper

152 100

150 159.8 119.5 179.3

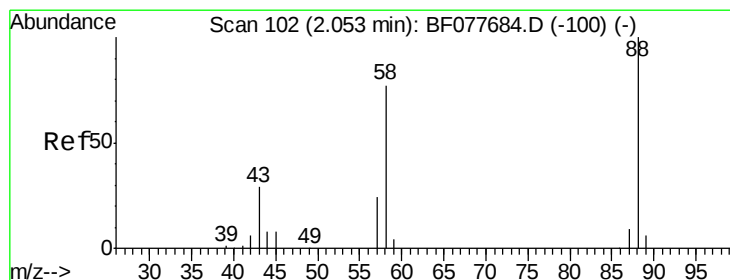
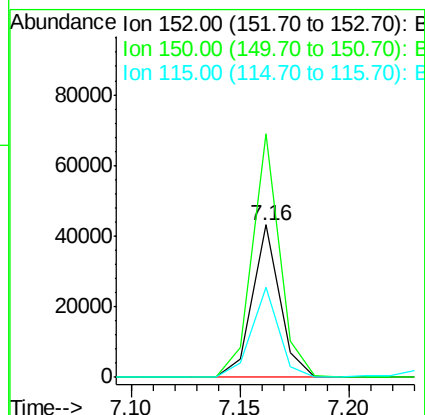
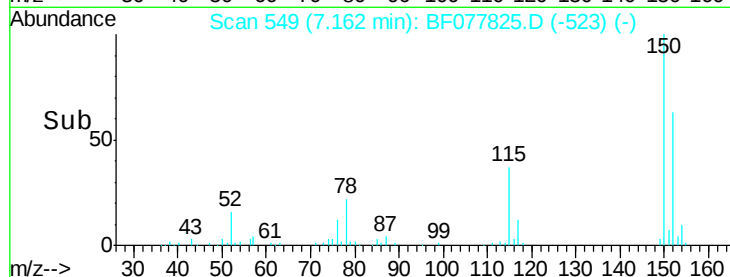
115 58.9 43.0 64.4



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



#2

1,4-Dioxane

Concen: 28.31 ng

RT: 1.79 min Scan# 79

Delta R.T. -0.25 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

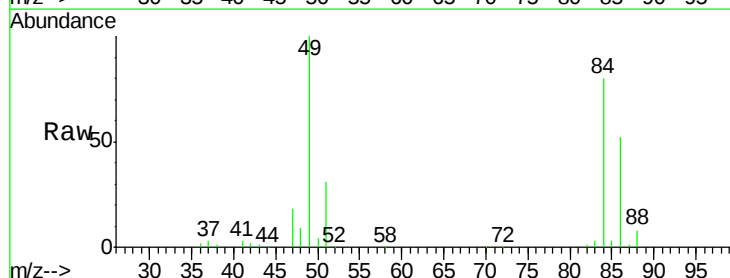
Tgt Ion: 88 Resp: 27978

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

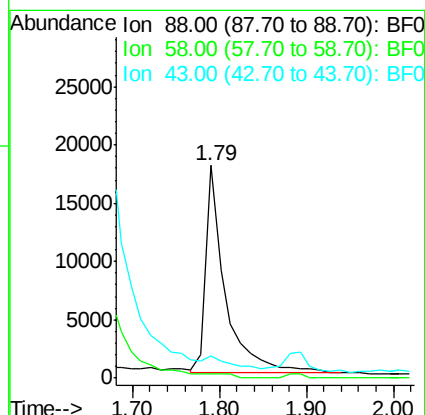
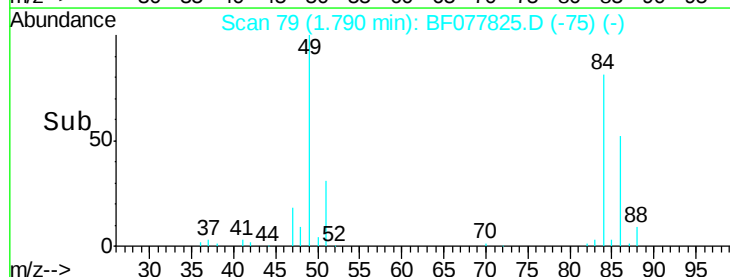
43 0.0 0.0 0.0

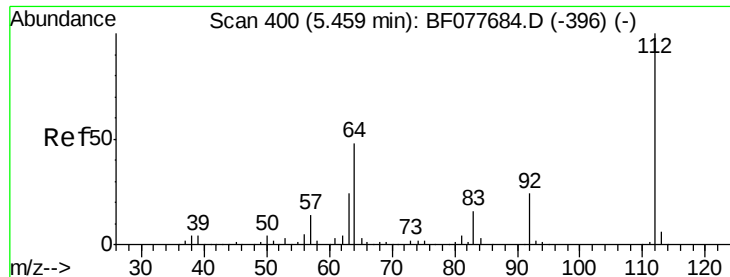


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 46.76 ng

RT: 5.46 min Scan# 400

Delta R.T. 0.02 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

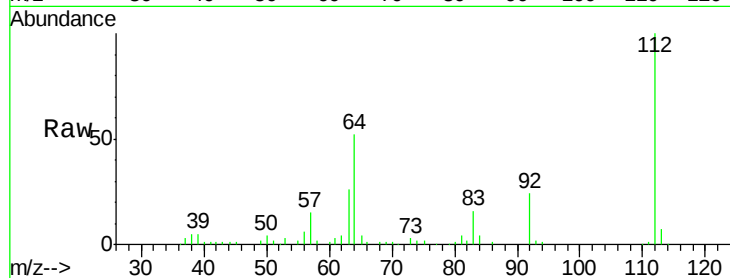
Tgt Ion: 112 Resp: 101791

Ion Ratio Lower Upper

112 100

64 51.5 38.6 57.8

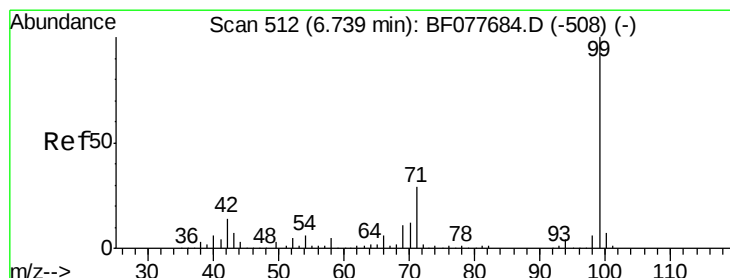
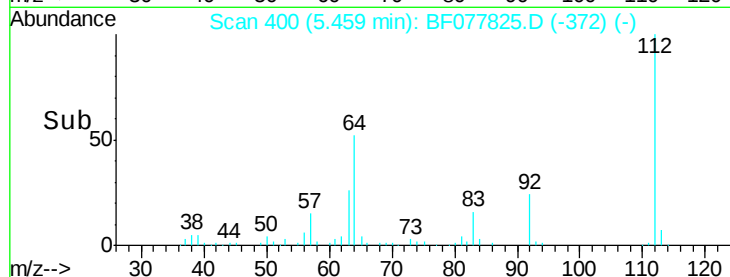
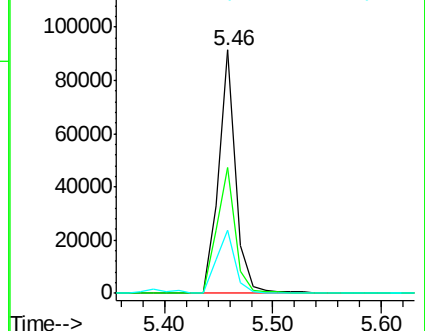
63 25.9 19.3 28.9



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: 56.11 ng

RT: 6.74 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

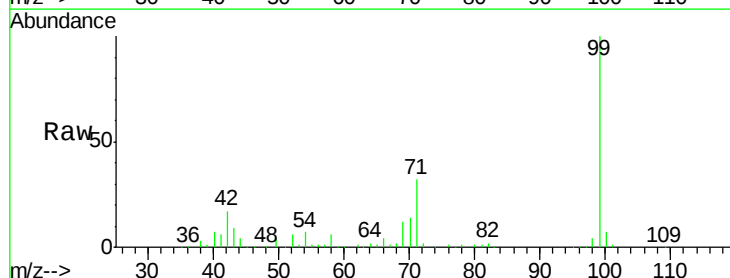
Tgt Ion: 99 Resp: 150885

Ion Ratio Lower Upper

99 100

42 17.1 11.0 16.4#

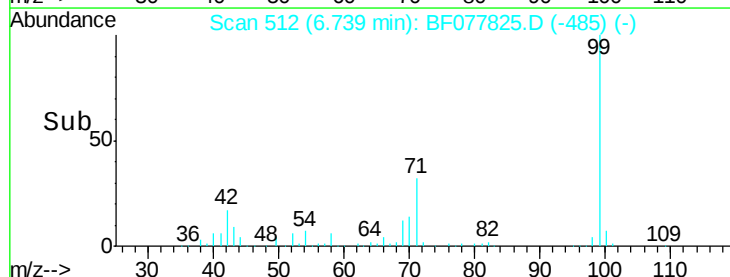
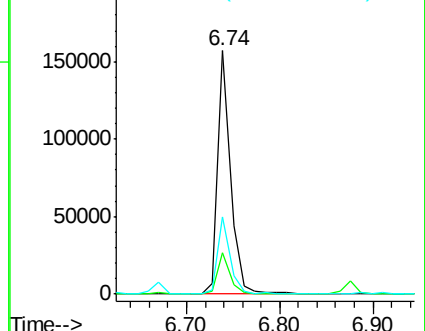
71 31.9 23.4 35.2

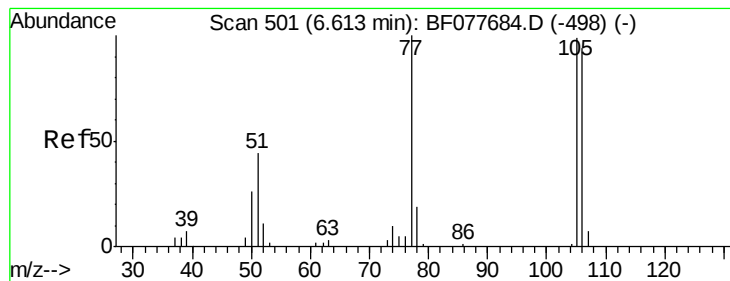


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.48 ng

RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

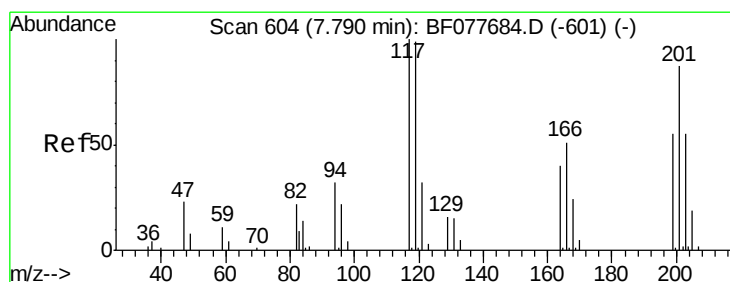
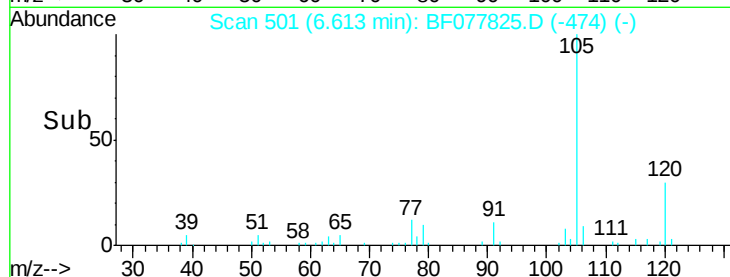
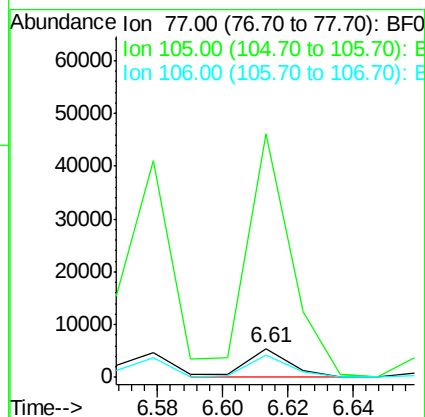
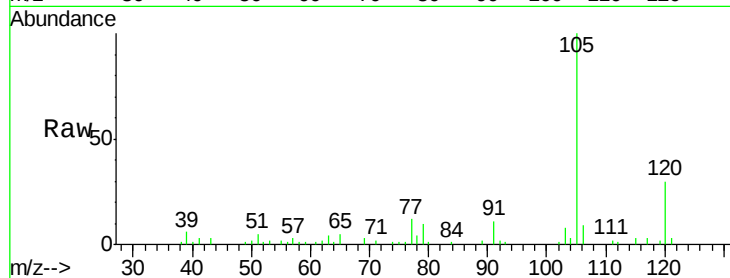
Tgt Ion: 77 Resp: 4933

Ion Ratio Lower Upper

77 100

105 850.1 78.8 118.8#

106 77.3 73.7 113.7



#18

Hexachloroethane

Concen: 4.42 ng

RT: 7.74 min Scan# 600

Delta R.T. -0.03 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

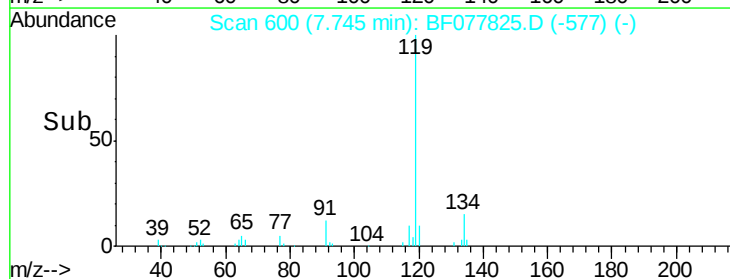
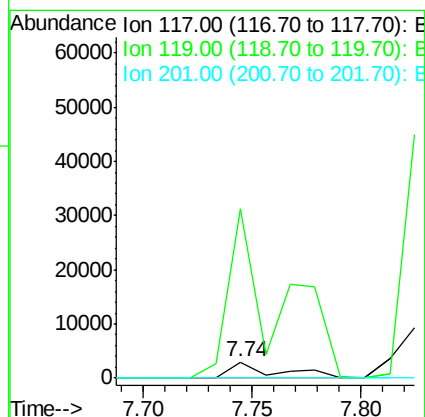
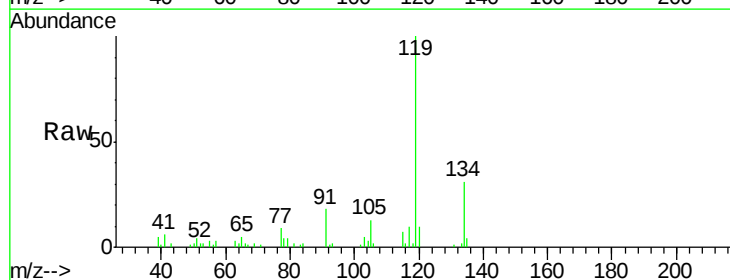
Tgt Ion: 117 Resp: 4337

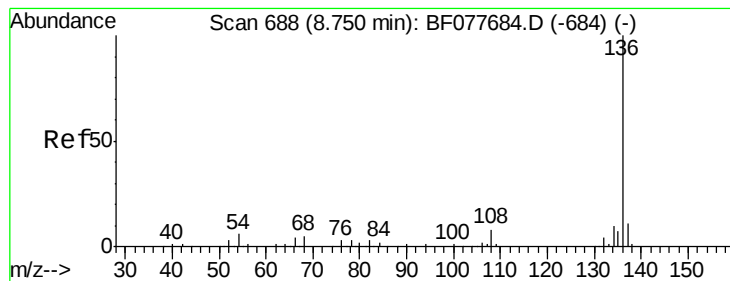
Ion Ratio Lower Upper

117 100

119 1034.1 79.2 118.8#

201 0.0 69.8 104.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

Tgt Ion:136 Resp: 157220

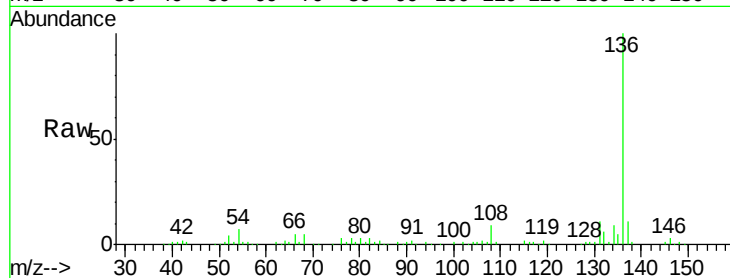
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.6 4.6 6.8

68 5.2 3.7 5.5

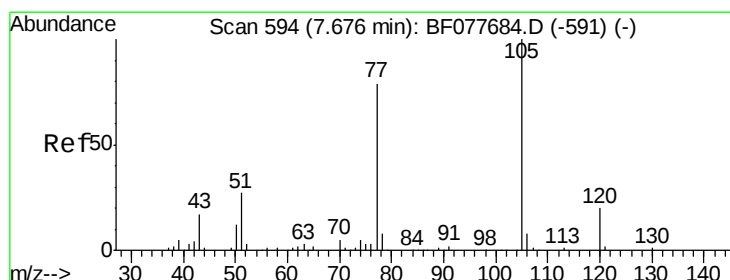
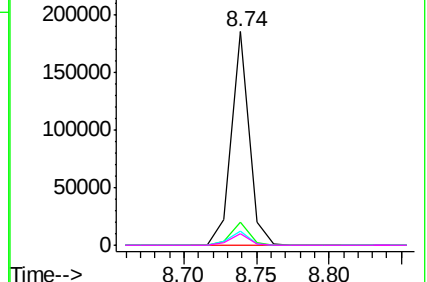
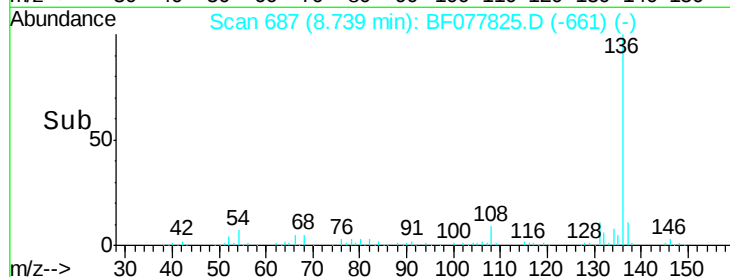


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 6.09 ng

RT: 7.65 min Scan# 592

Delta R.T. -0.02 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Tgt Ion:105 Resp: 21187

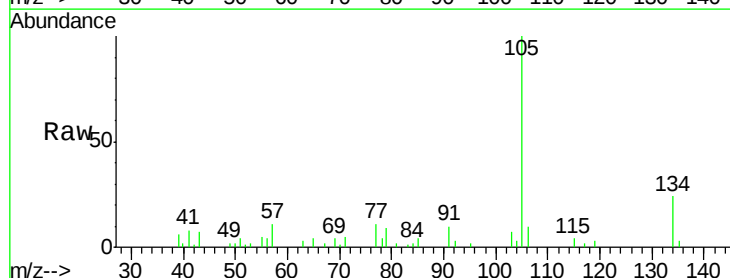
Ion Ratio Lower Upper

105 100

71 4.9 0.6 1.0#

51 4.1 21.6 32.4#

120 0.0 16.1 24.1#

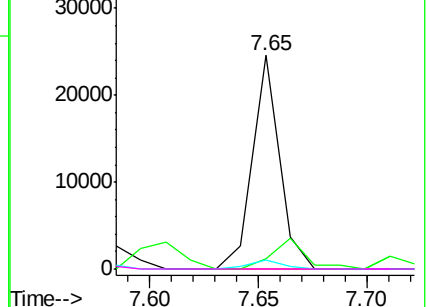
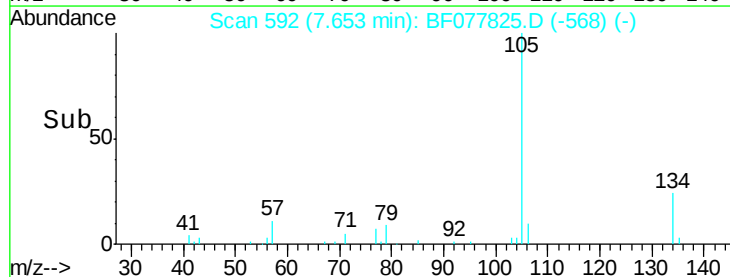


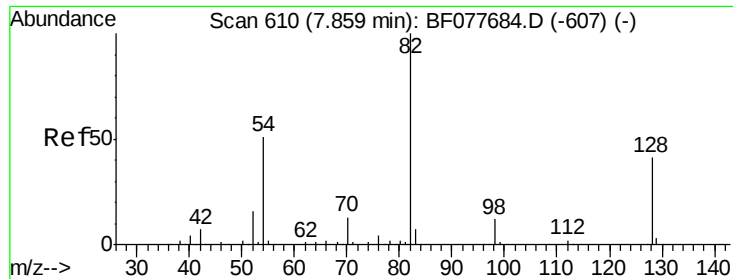
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

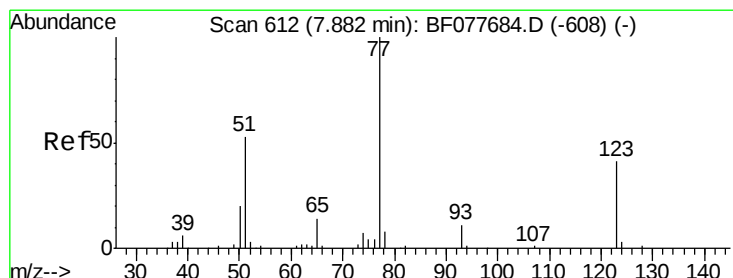
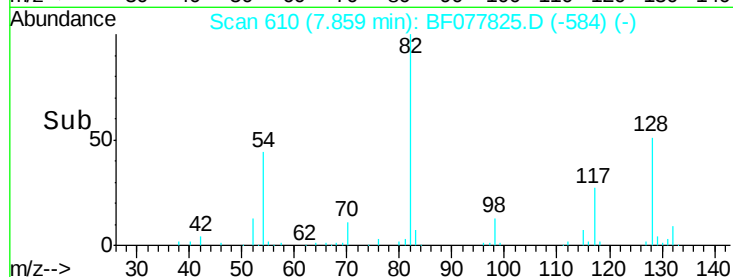
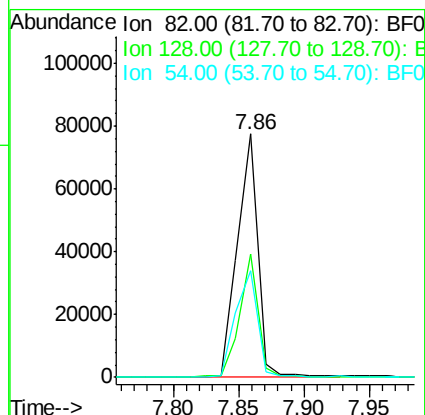
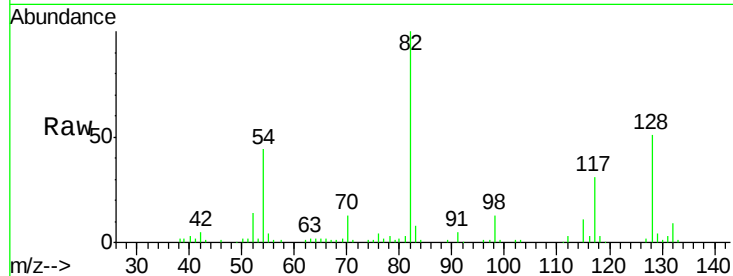




#23
 Nitrobenzene-d5
 Concen: 35.27 ng
 RT: 7.86 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

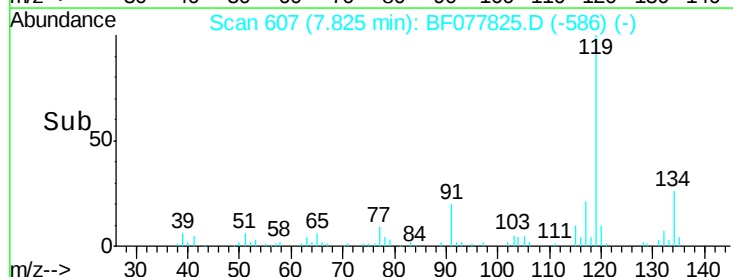
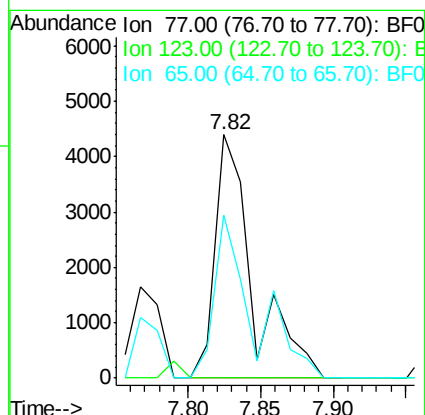
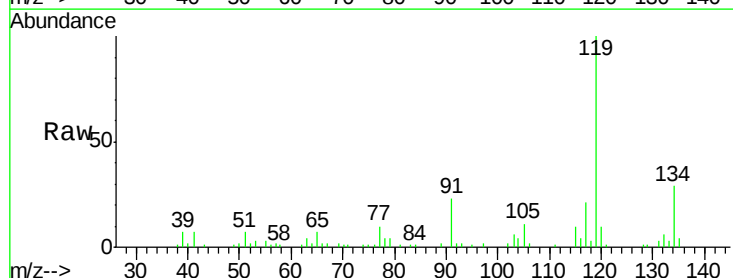
Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

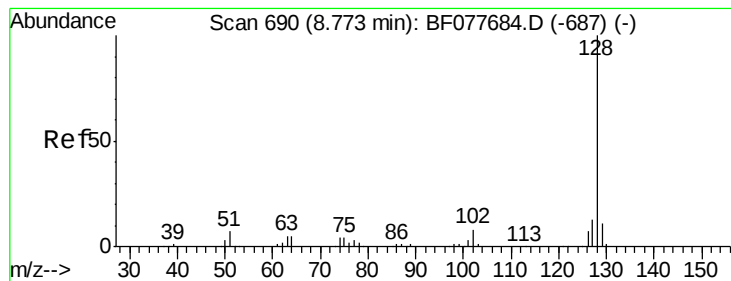
Tgt Ion: 82 Resp: 84603
 Ion Ratio Lower Upper
 82 100
 128 50.9 32.8 49.2#
 54 44.0 40.6 60.8



#24
 Nitrobenzene
 Concen: 3.07 ng
 RT: 7.82 min Scan# 607
 Delta R.T. -0.06 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion: 77 Resp: 7939
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 67.2 10.9 16.3#





#31

Naphthalene

Concen: 8.02 ng

RT: 8.76 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

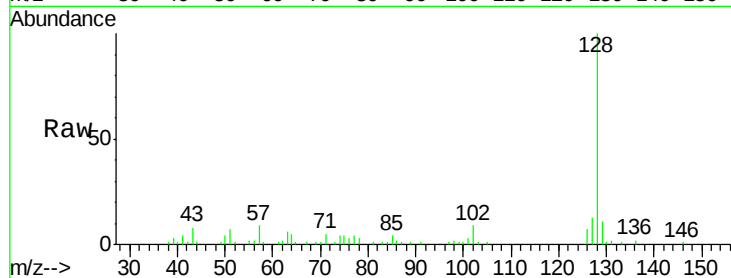
Tgt Ion:128 Resp: 64796

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

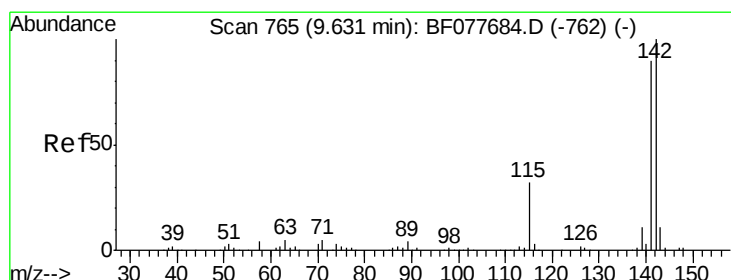
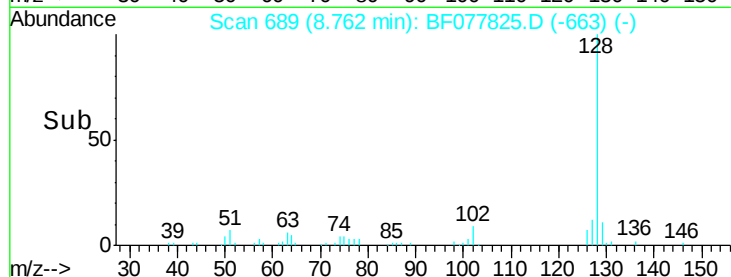
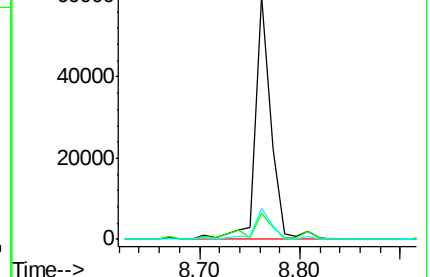
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 5.62 ng

RT: 9.62 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

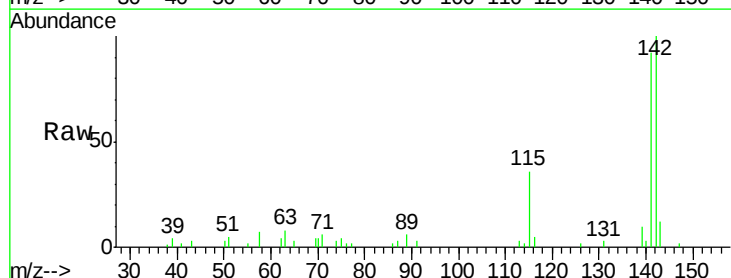
Tgt Ion:142 Resp: 30464

Ion Ratio Lower Upper

142 100

141 91.6 71.9 107.9

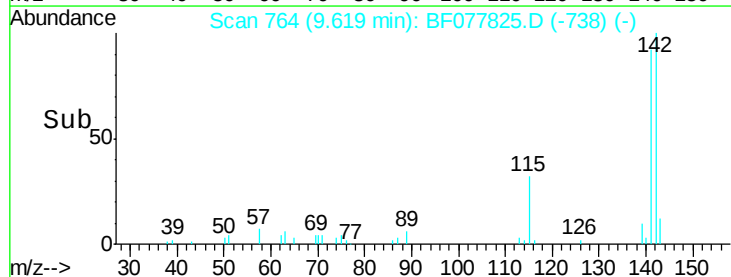
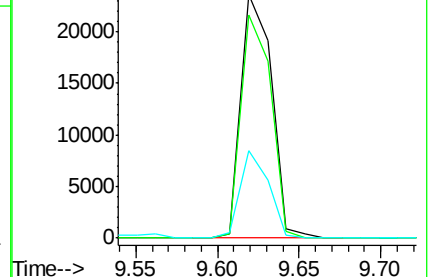
115 35.8 25.4 38.0

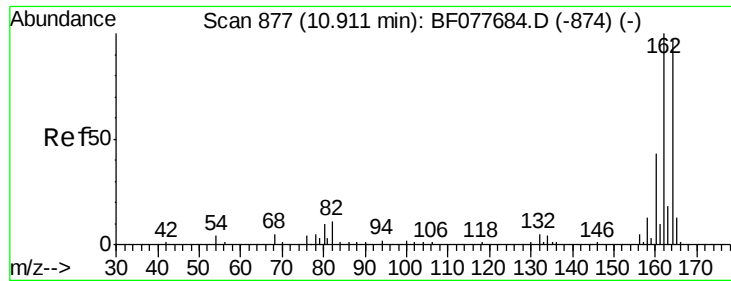


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

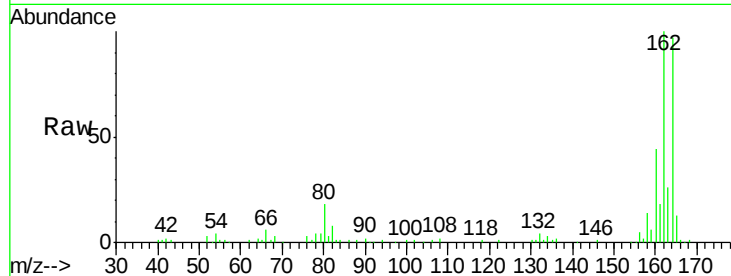




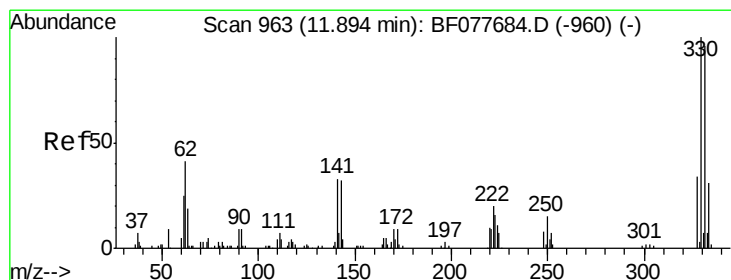
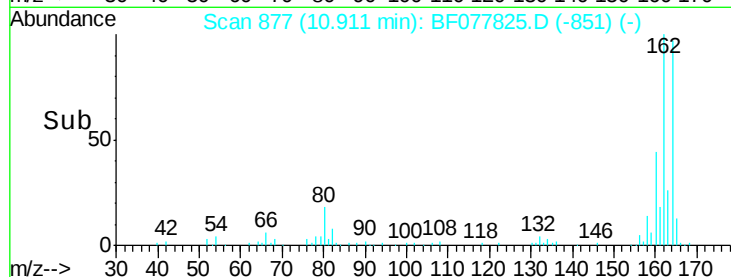
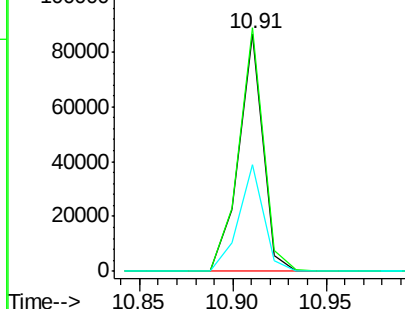
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

Tgt Ion:164 Resp: 79016
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.4 123.6
 160 45.0 35.8 53.6

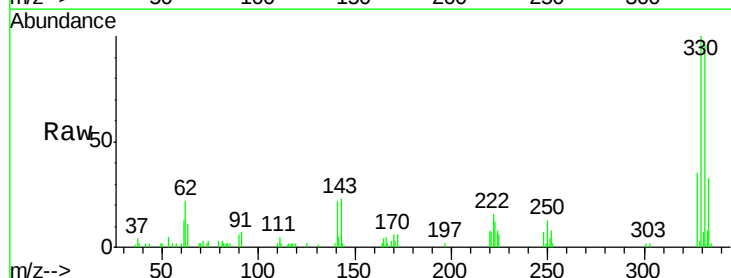


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

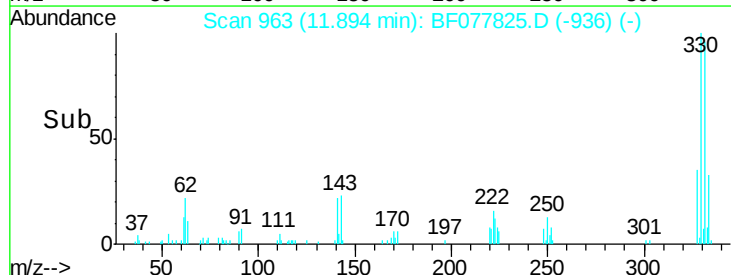
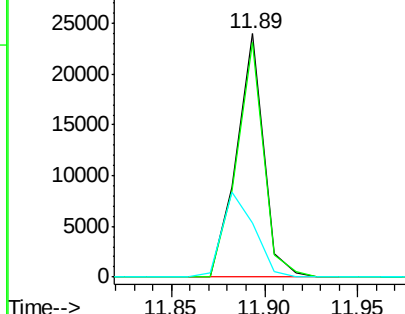


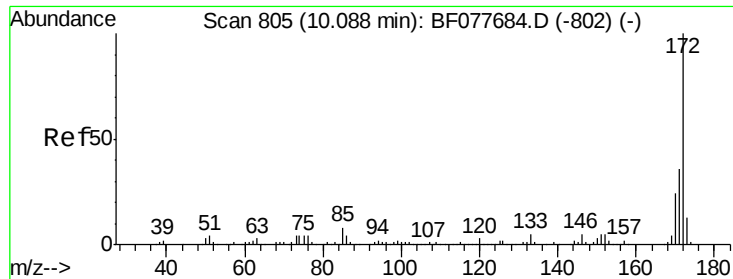
#41
 2,4,6-Tribromophenol
 Concen: 32.41 ng
 RT: 11.89 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion:330 Resp: 24506
 Ion Ratio Lower Upper
 330 100
 332 96.4 0.0 0.0#
 141 40.8 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

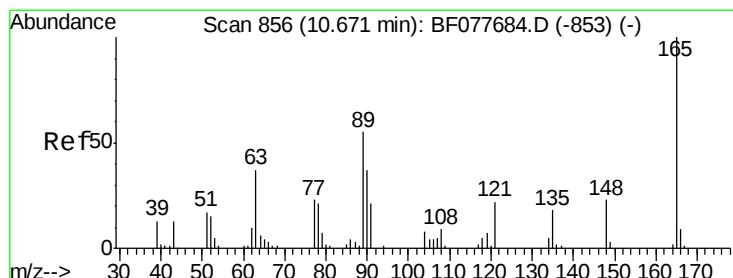
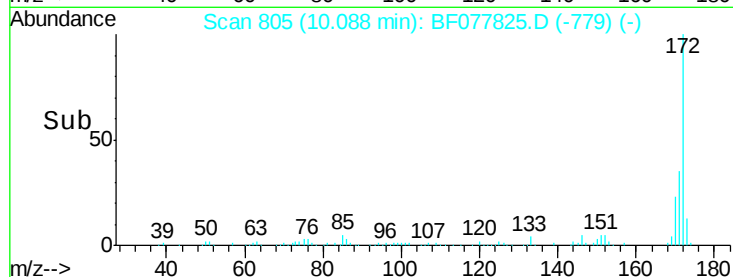
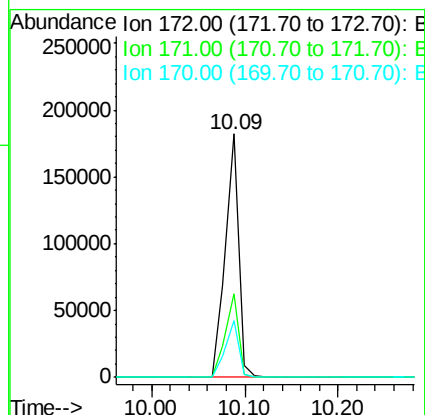
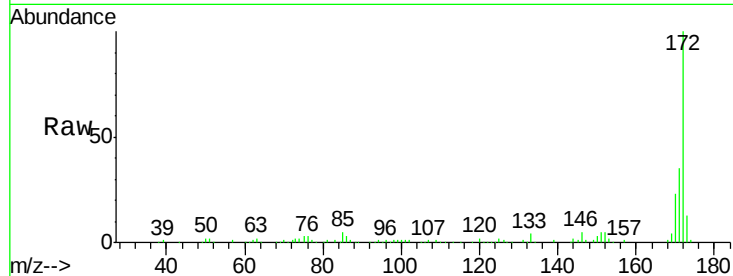




#44
 2-Fluorobiphenyl
 Concen: 33.55 ng
 RT: 10.09 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

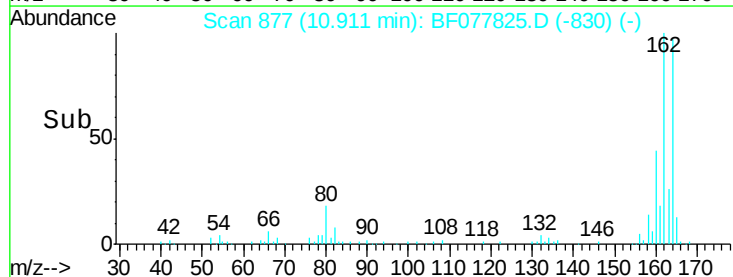
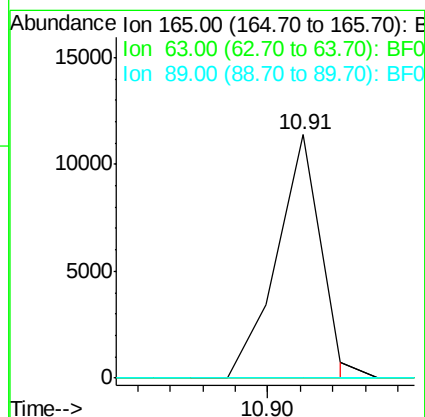
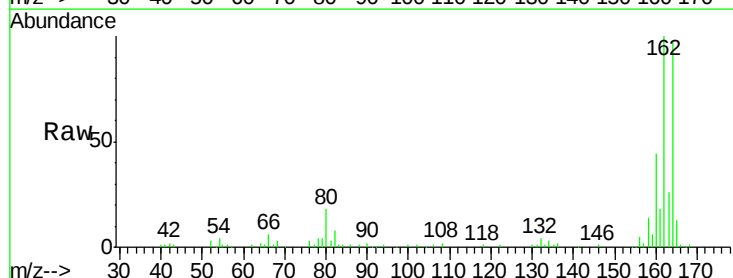
Instrument :
 BNA_F
 ClientSampleId :
 COMP2B-6B-7B-10(0-6)

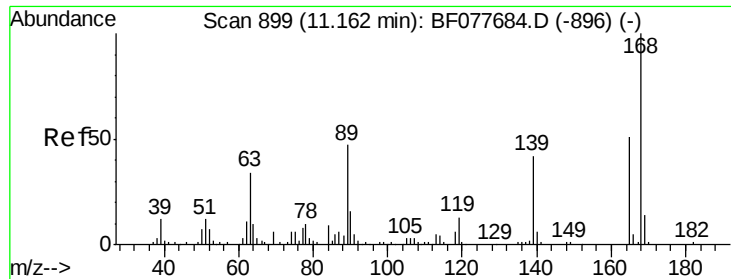
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.5	42.7
170	23.2	18.8	28.2



#50
 2,6-Dinitrotoluene
 Concen: 8.79 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.24 min
 Lab File: BF077825.D
 Acq: 19 Mar 2015 7:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#





#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 10.91 min Scan# 877

Delta R.T. -0.25 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

Tgt Ion:165 Resp: 10674

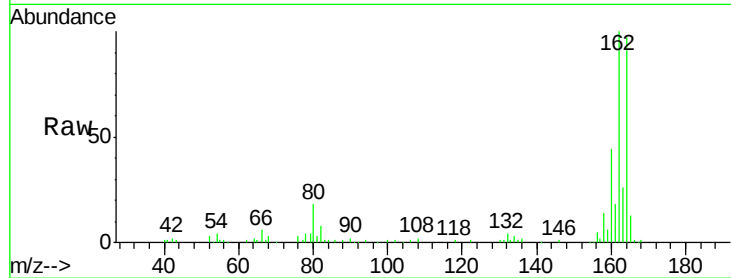
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

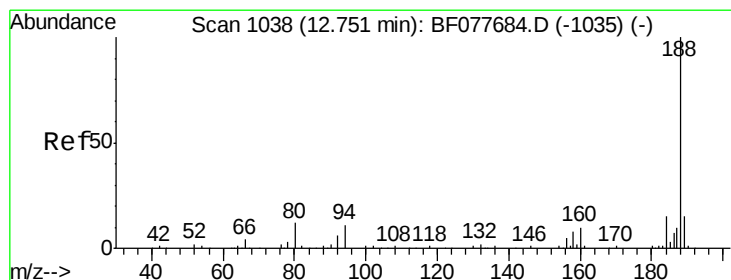
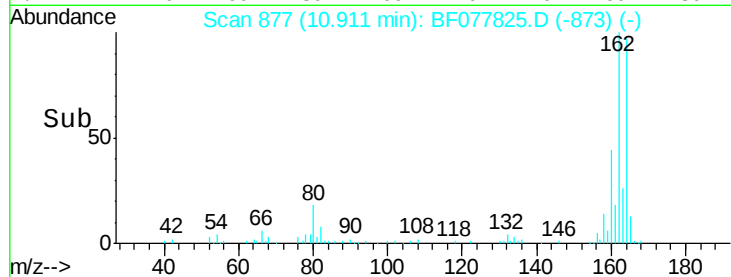
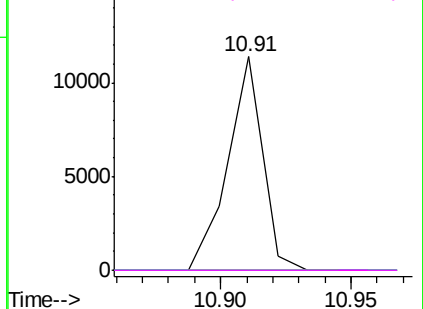


Abundance Ion 165.00 (164.70 to 165.70): E

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: 12.75 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

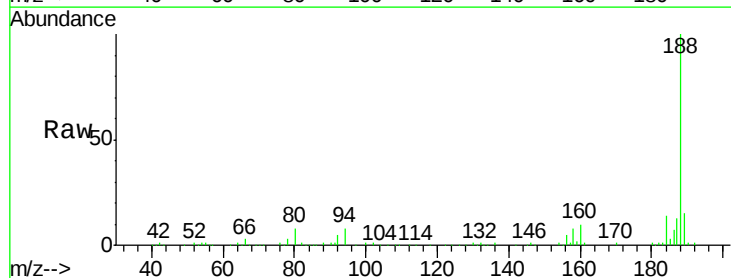
Tgt Ion:188 Resp: 156439

Ion Ratio Lower Upper

188 100

94 7.6 8.7 13.1#

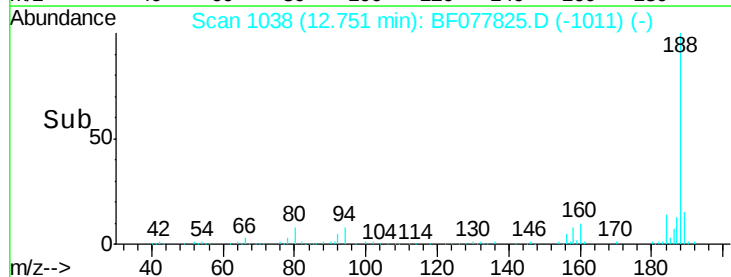
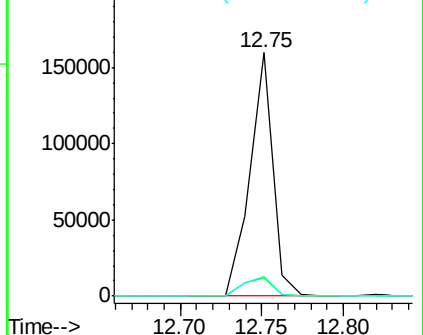
80 8.0 9.3 13.9#

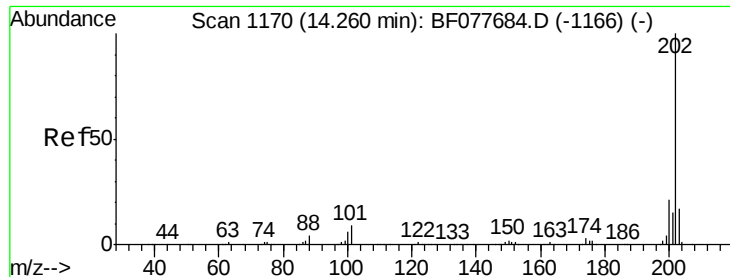


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.01 ng

RT: 14.25 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

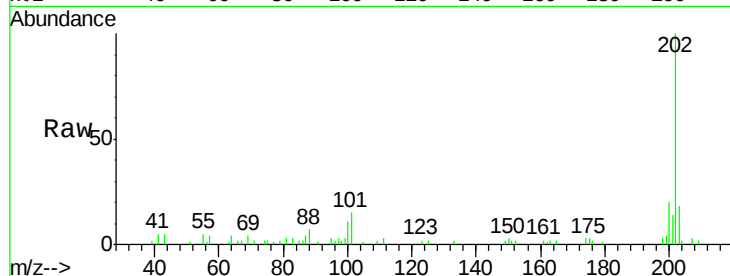
Tgt Ion:202 Resp: 29847

Ion Ratio Lower Upper

202 100

101 15.1 0.0 28.7

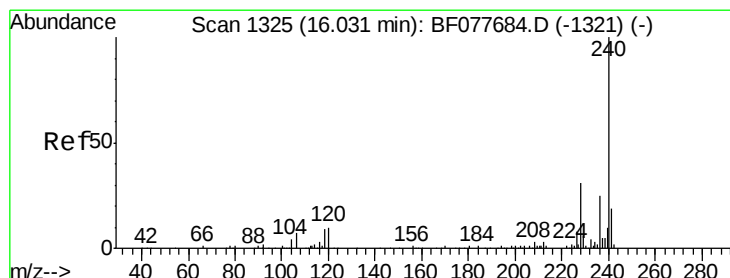
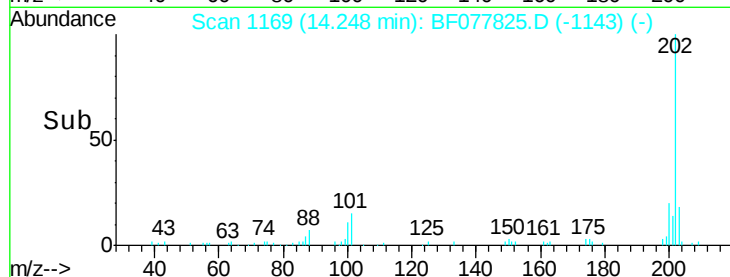
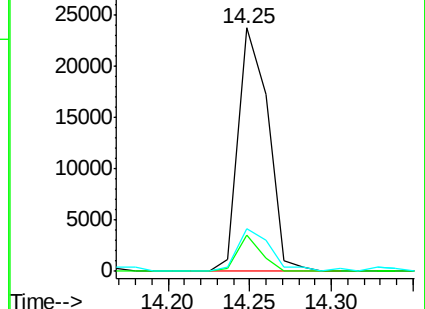
203 17.7 0.0 37.2



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: 16.04 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

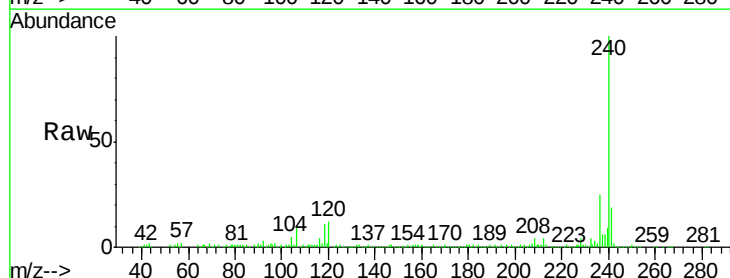
Tgt Ion:240 Resp: 175247

Ion Ratio Lower Upper

240 100

120 12.4 8.2 12.2#

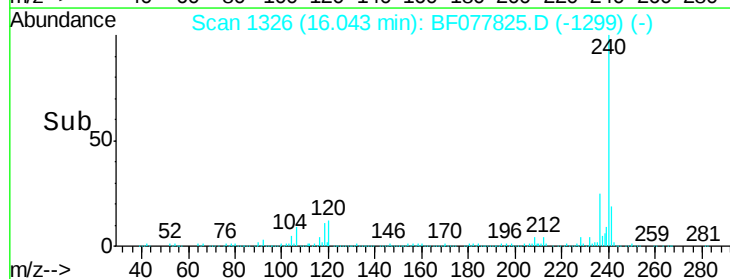
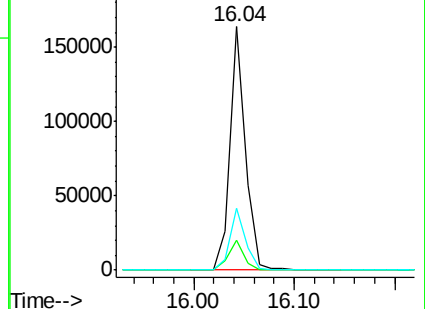
236 25.2 20.0 30.0

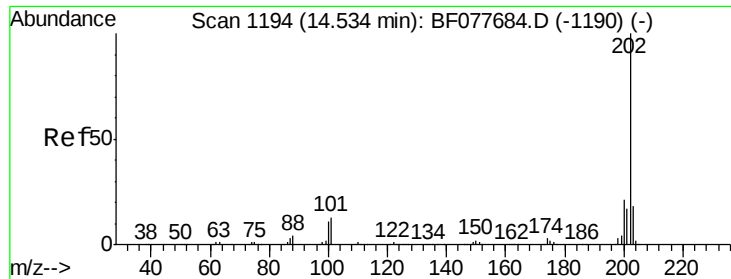


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

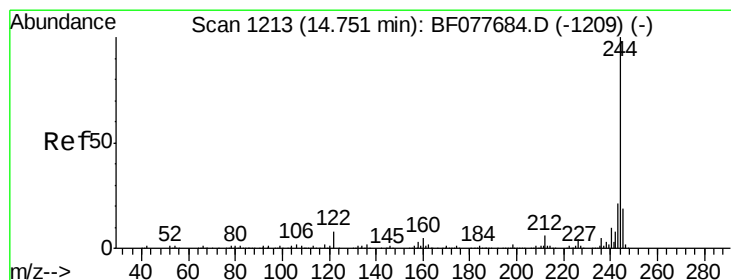
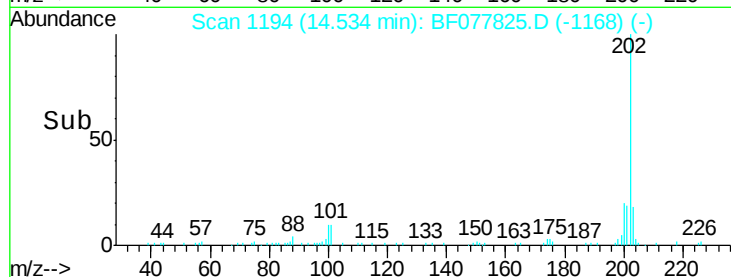
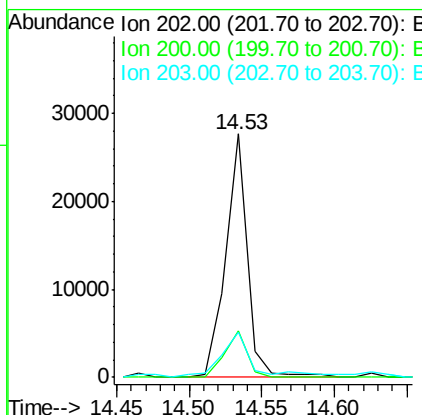
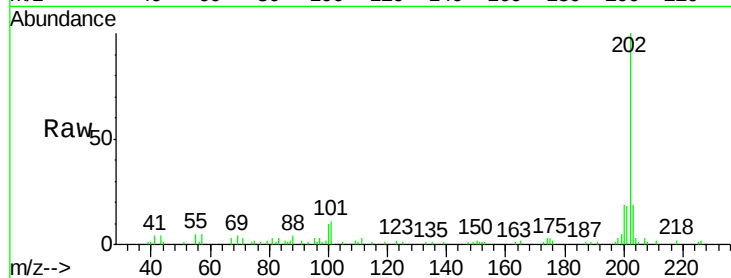




#77
Pyrene
Concen: 2.62 ng
RT: 14.53 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

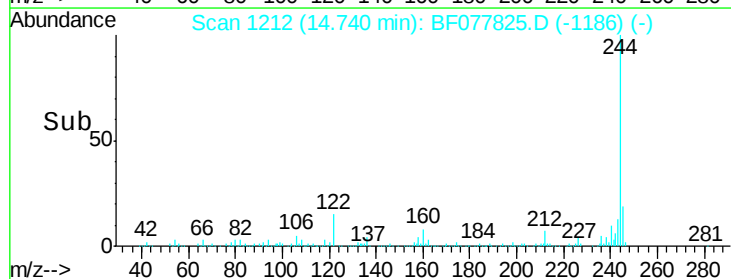
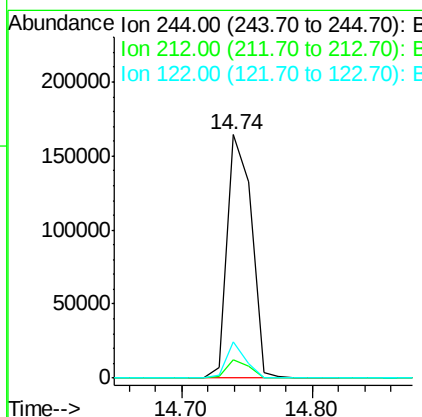
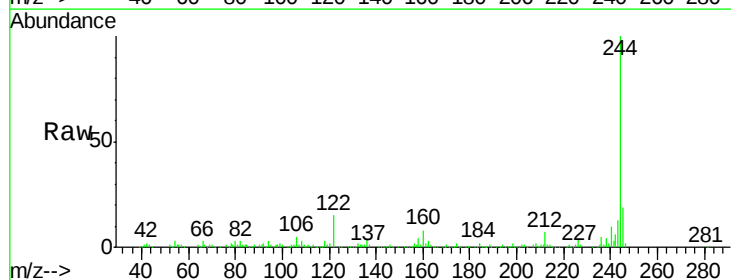
Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

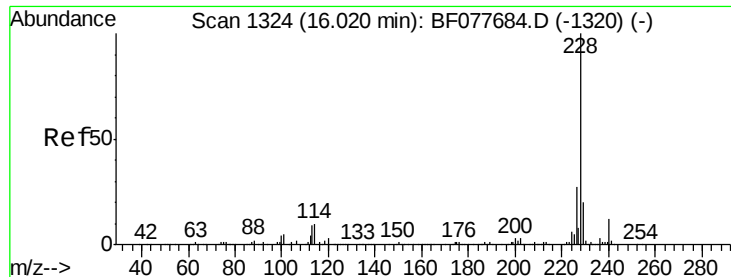
Tgt Ion: 202 Resp: 28863
Ion Ratio Lower Upper
202 100
200 19.1 16.9 25.3
203 18.6 14.1 21.1



#78
Terphenyl-d14
Concen: 29.63 ng
RT: 14.74 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Tgt Ion: 244 Resp: 212568
Ion Ratio Lower Upper
244 100
212 7.4 4.9 7.3#
122 15.1 6.2 9.4#





#80

Benzo(a)anthracene

Concen: 2.02 ng

RT: 16.08 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

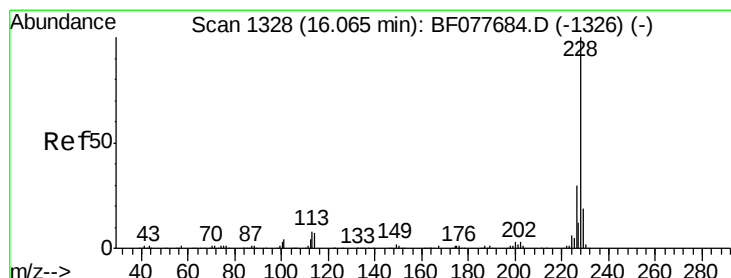
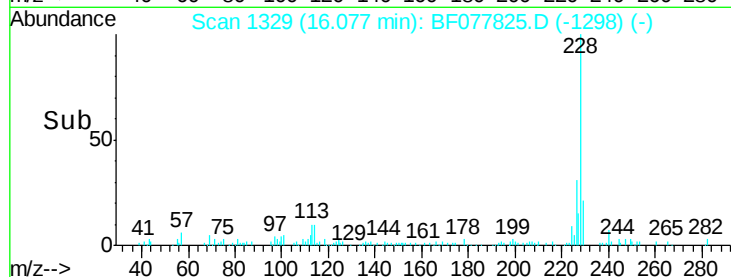
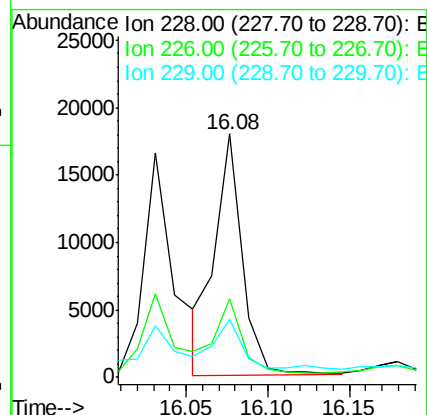
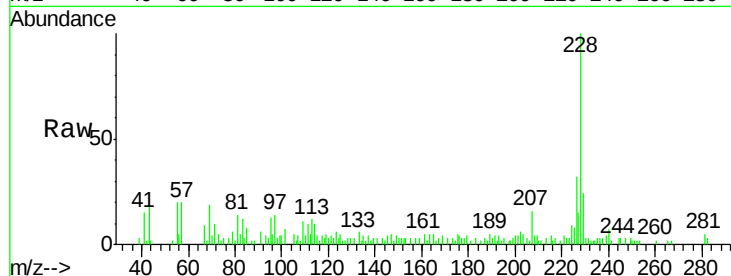
Tgt Ion:228 Resp: 21019

Ion Ratio Lower Upper

228 100

226 32.3 21.7 32.5

229 23.7 16.0 24.0



#82

Chrysene

Concen: 2.25 ng

RT: 16.08 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

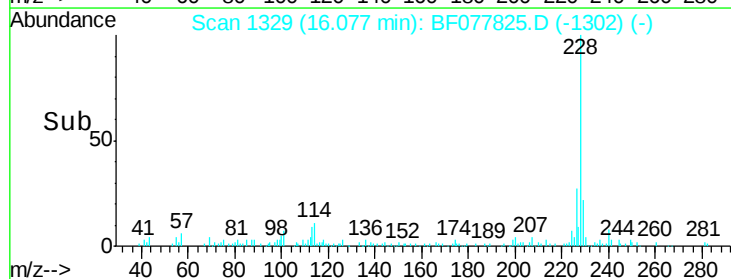
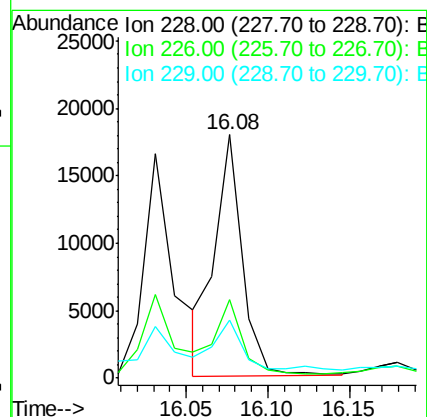
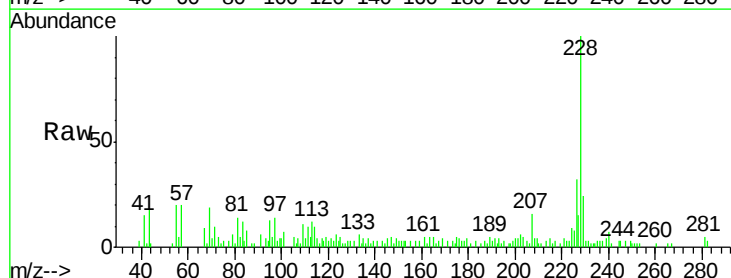
Tgt Ion:228 Resp: 21019

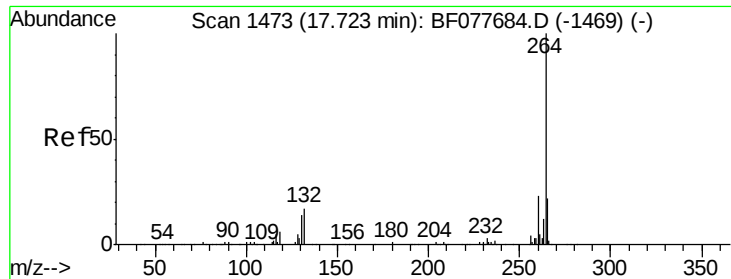
Ion Ratio Lower Upper

228 100

226 32.3 24.1 36.1

229 23.7 15.5 23.3#

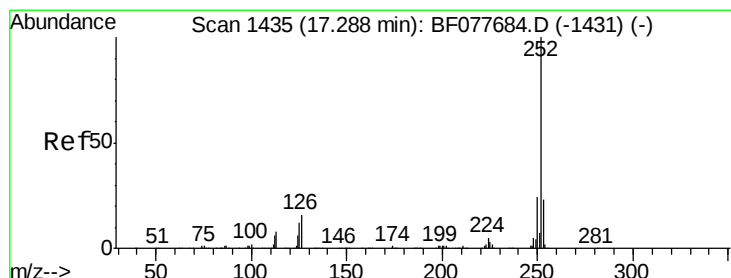
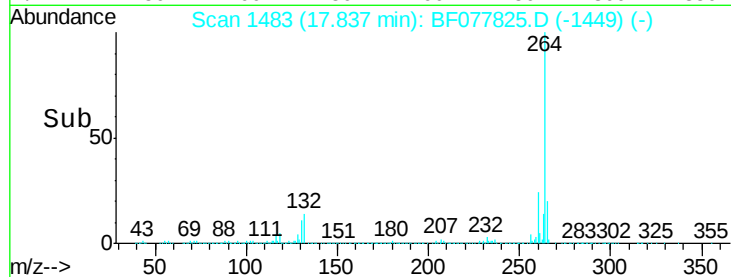
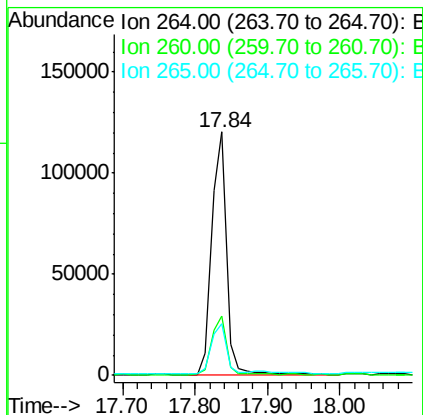
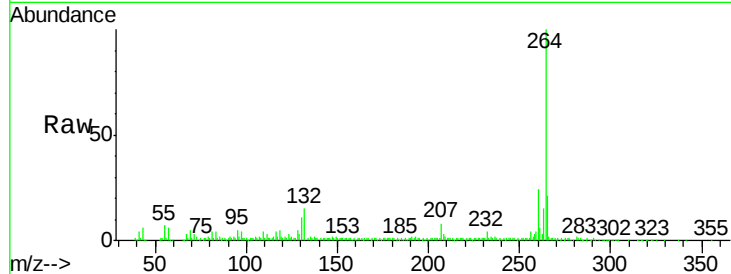




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.84 min Scan# 1483
Delta R.T. 0.09 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

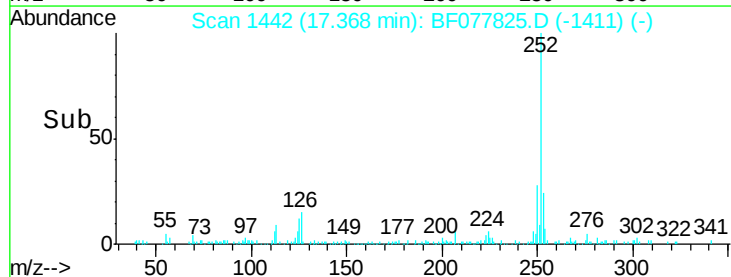
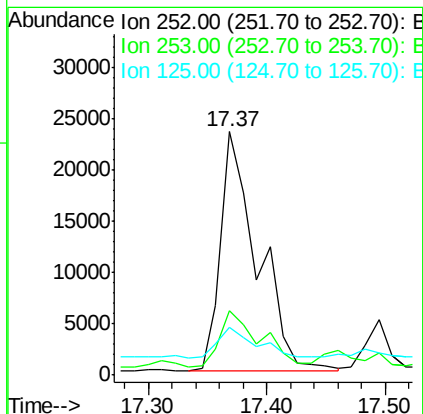
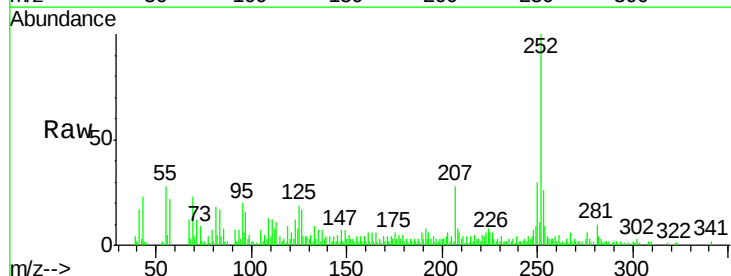
Instrument :
BNA_F
ClientSampleId :
COMP2B-6B-7B-10(0-6)

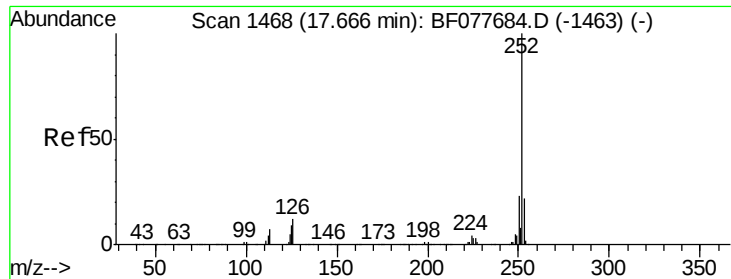
Tgt Ion:264 Resp: 169187
Ion Ratio Lower Upper
264 100
260 24.3 18.6 27.8
265 20.9 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.60 ng
RT: 17.37 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF077825.D
Acq: 19 Mar 2015 7:07

Tgt Ion:252 Resp: 50801
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 19.4 9.9 14.9#





#89

Benzo(a)pyrene

Concen: 2.55 ng

RT: 17.77 min Scan# 1477

Delta R.T. 0.08 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

Instrument :

BNA_F

ClientSampleId :

COMP2B-6B-7B-10(0-6)

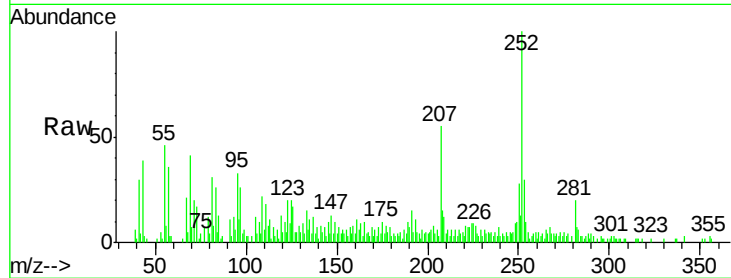
Tgt Ion:252 Resp: 23480

Ion Ratio Lower Upper

252 100

253 30.0 17.6 26.4#

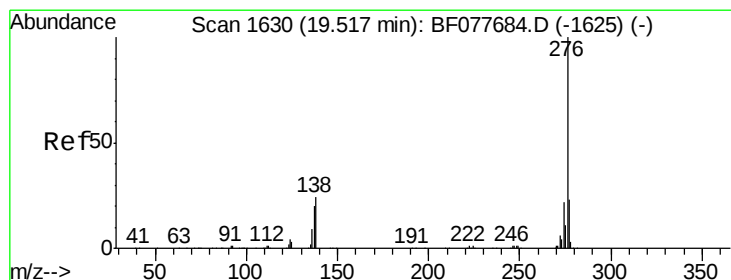
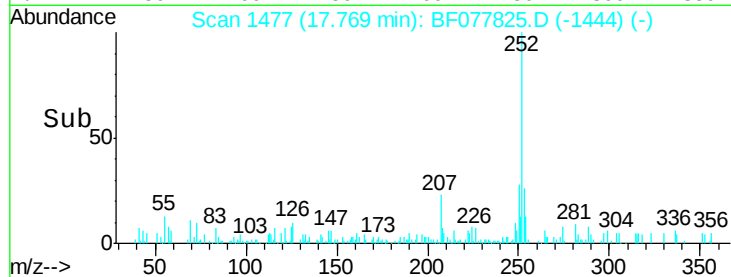
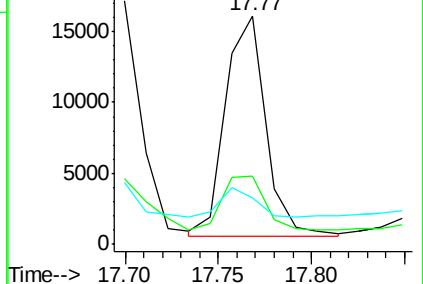
125 20.4 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.08 ng

RT: 19.65 min Scan# 1642

Delta R.T. 0.10 min

Lab File: BF077825.D

Acq: 19 Mar 2015 7:07

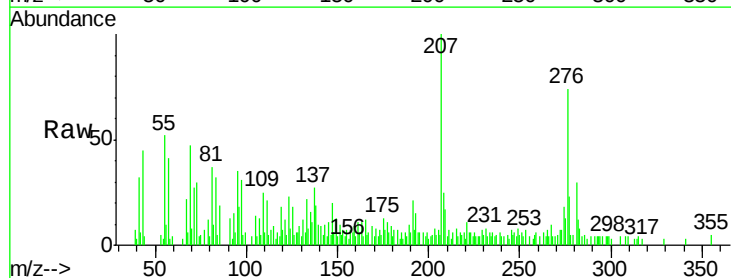
Tgt Ion:276 Resp: 19343

Ion Ratio Lower Upper

276 100

277 30.3 18.5 27.7#

138 25.8 19.0 28.6



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

