

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084894.D
 Acq On : 6 Feb 2016 7:09
 Operator : SJ/IZ
 Sample : H1329-20
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(30-32)

Quant Time: Feb 07 23:56:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

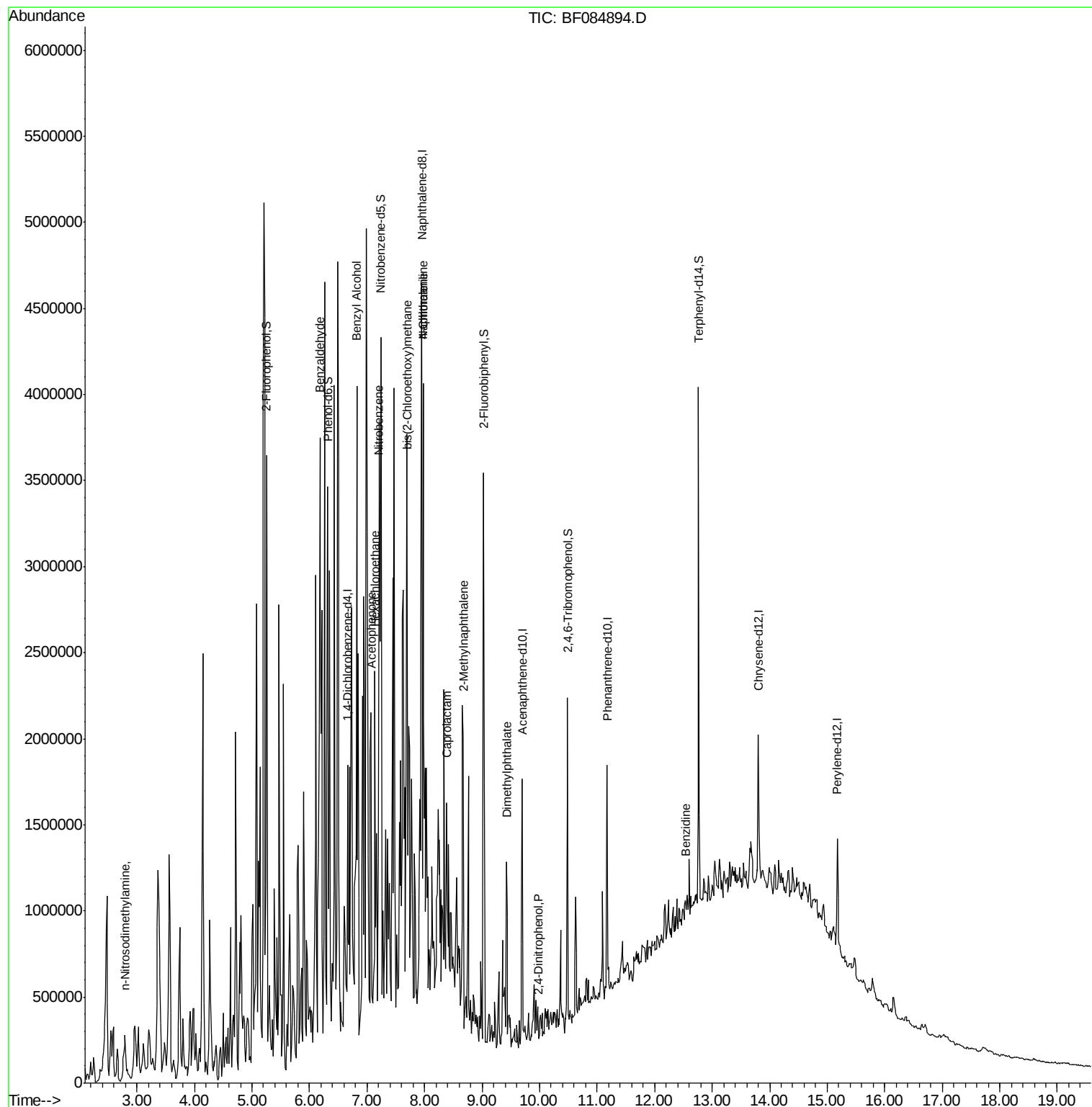
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	161472	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	567145	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	293717	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	455348	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	306111	20.00	ng	-0.03
86) Perylene-d12	15.17	264	305108	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	949772	91.62	ng	-0.02
7) Phenol-d6	6.32	99	1168076	90.89	ng	-0.02
23) Nitrobenzene-d5	7.24	82	840637	83.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	286537	93.53	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1234806	65.66	ng	-0.03
78) Terphenyl-d14	12.76	244	895264	66.27	ng	-0.03
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.80	42	31478	5.14	ng	# 1
9) Benzaldehyde	6.18	77	181749	23.95	ng	# 1
15) Benzyl Alcohol	6.82	79	26624	3.00	ng	# 50
18) Hexachloroethane	7.14	117	94999	19.90	ng	# 1
22) Acetophenone	7.07	105	517064	34.59	ng	# 50
24) Nitrobenzene	7.21	77	181642	16.85	ng	# 20
28) bis(2-Chloroethoxy)methane	7.70	93	24408	2.10	ng	# 1
31) Naphthalene	7.97	128	973302	34.21	ng	# 95
33) 4-Chloroaniline	7.97	127	197075	16.75	ng	# 42
35) Caprolactam	8.38	113	24525	10.05	ng	# 1
37) 2-Methylnaphthalene	8.67	142	769656	43.23	ng	# 96
49) Dimethylphthalate	9.42	163	315583	14.11	ng	# 90
53) 2,4-Dinitrophenol	9.98	184	1167	6.28	ng	# 76
60) 4-Chlorophenyl-phenylether	10.25	204	723	Below Cal		# 1
76) Benzidine	12.53	184	1492	6.98	ng	# 1

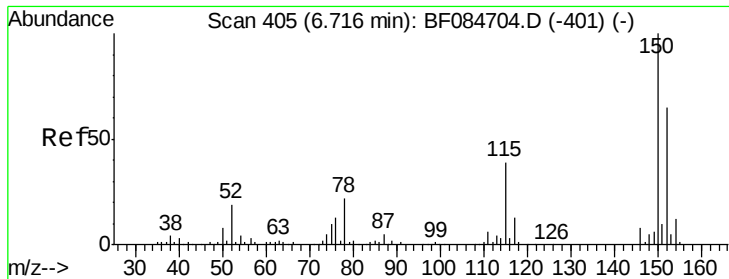
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

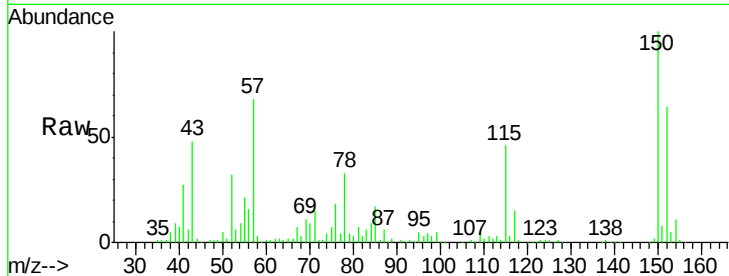
Tgt Ion:152 Resp: 161472

Ion Ratio Lower Upper

152 100

150 155.9 123.0 184.4

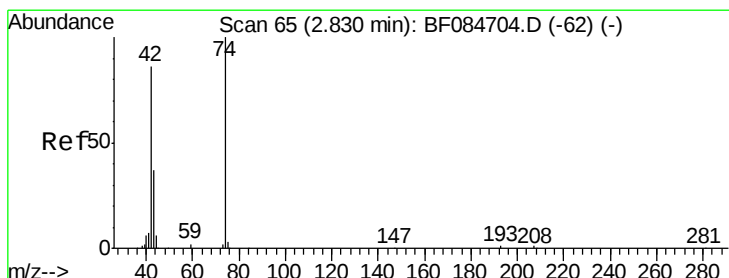
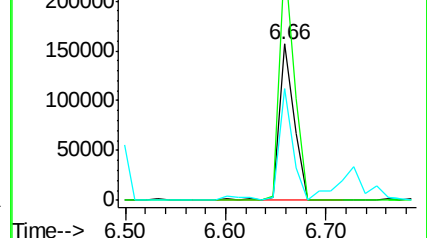
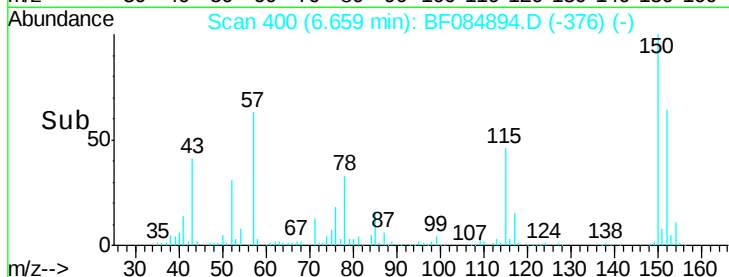
115 71.8 51.4 77.2



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



#4

n-Nitrosodimethylamine

Concen: 5.14 ng

RT: 2.80 min Scan# 62

Delta R.T. -0.00 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

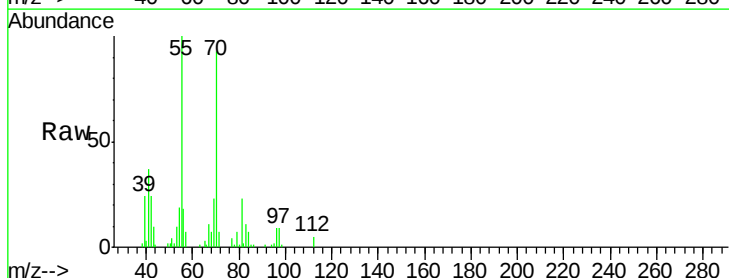
Tgt Ion: 42 Resp: 31478

Ion Ratio Lower Upper

42 100

74 0.0 115.7 173.5#

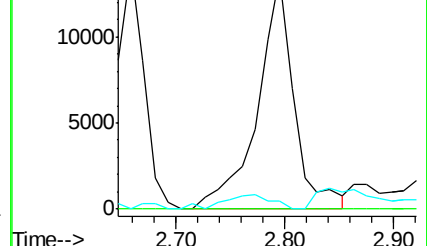
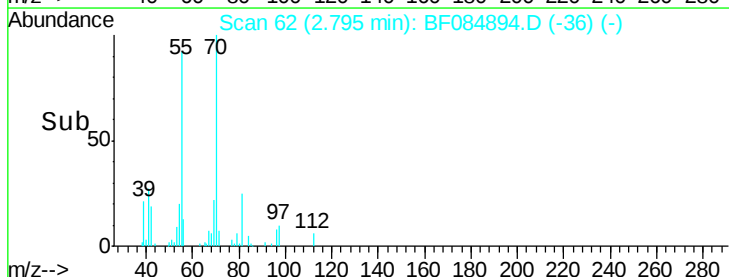
44 3.7 5.1 7.7#

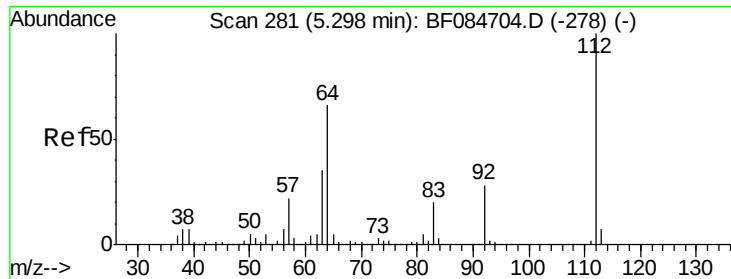


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 91.62 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

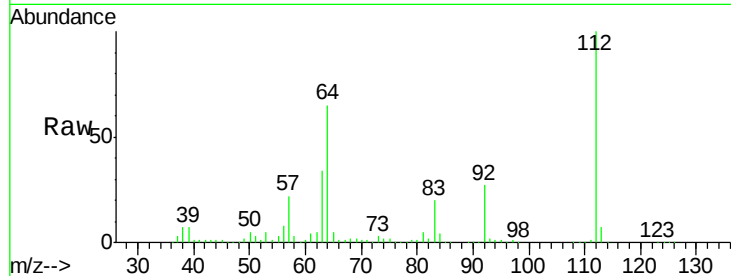
Tgt Ion:112 Resp: 949772

Ion Ratio Lower Upper

112 100

64 65.3 36.6 55.0#

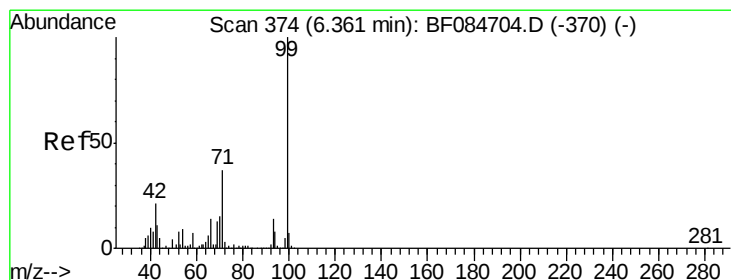
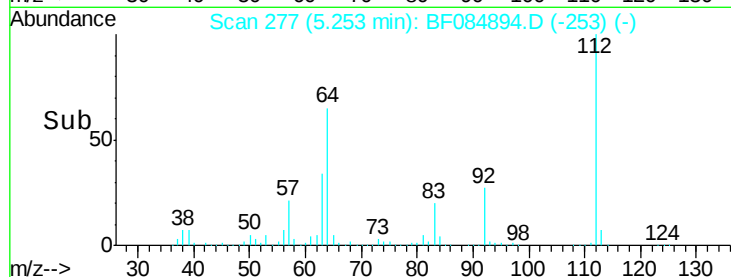
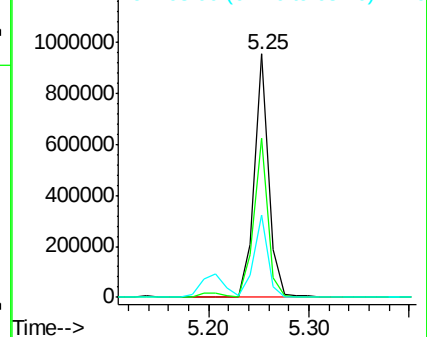
63 34.0 19.4 29.0#



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: 90.89 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

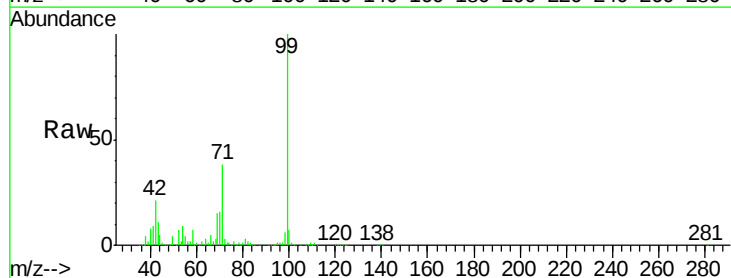
Tgt Ion: 99 Resp: 1168076

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

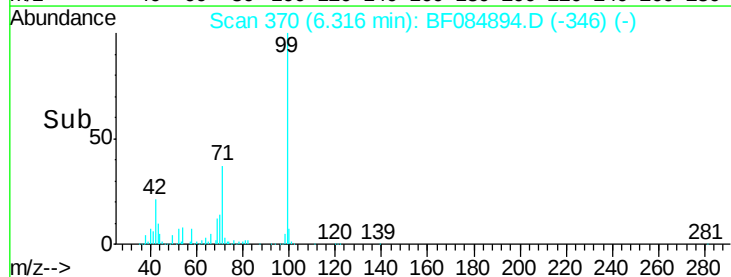
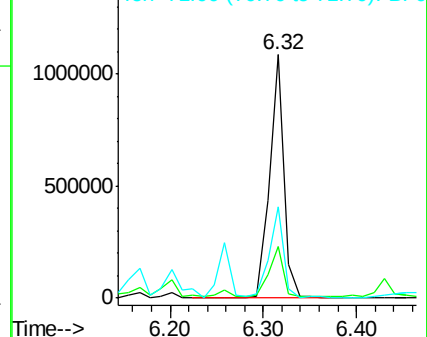
71 37.8 30.9 46.3

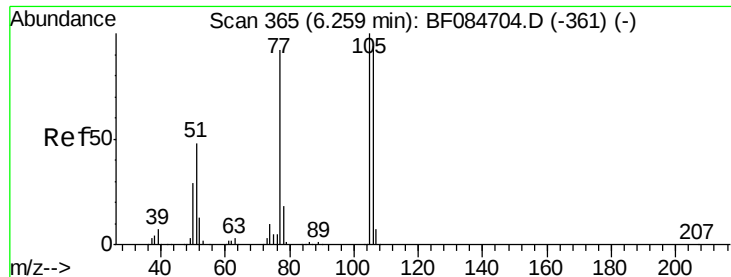


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 23.95 ng

RT: 6.18 min Scan# 358

Delta R.T. -0.06 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

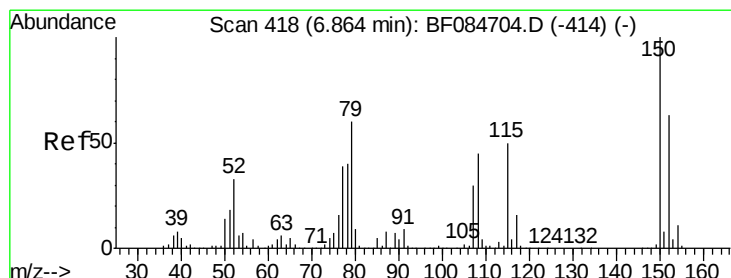
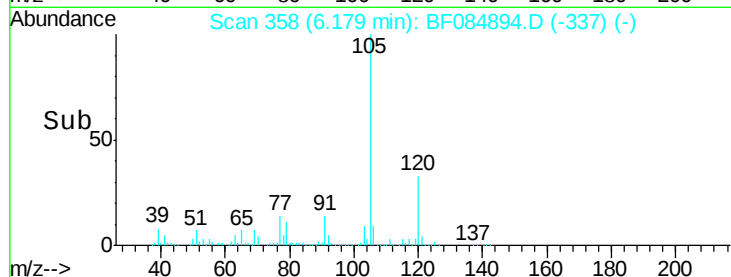
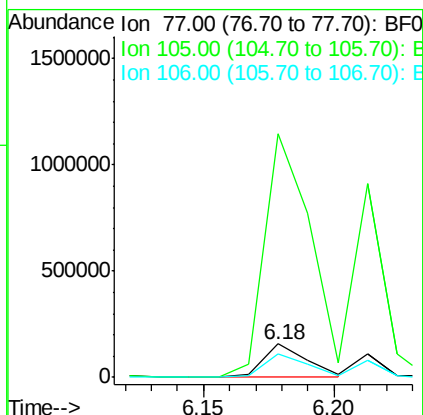
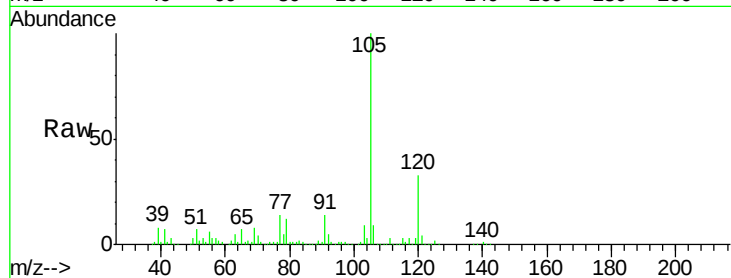
Tgt Ion: 77 Resp: 181749

Ion Ratio Lower Upper

77 100

105 726.1 83.0 123.0#

106 68.7 74.6 114.6#



#15

Benzyl Alcohol

Concen: 3.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

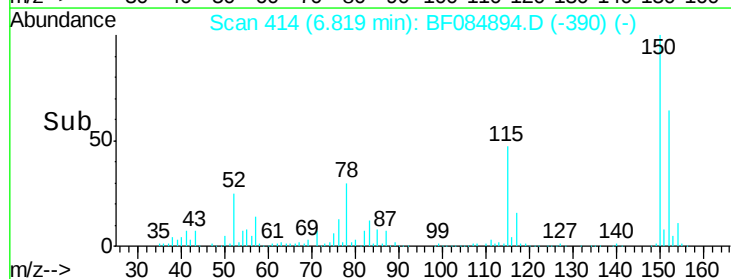
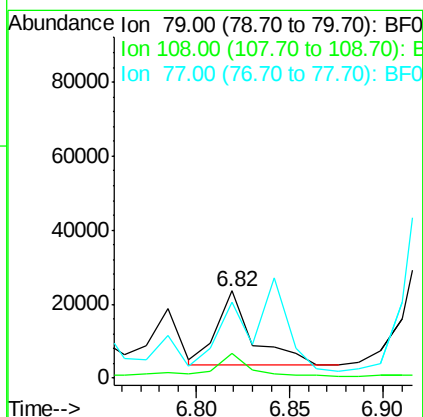
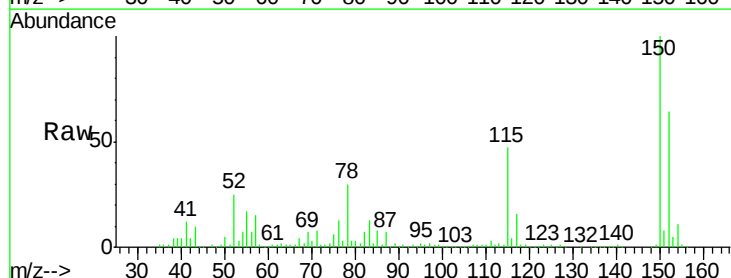
Tgt Ion: 79 Resp: 26624

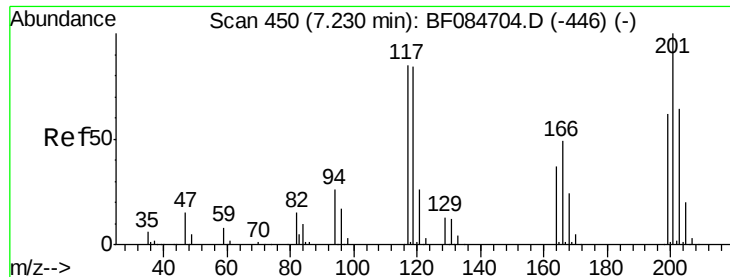
Ion Ratio Lower Upper

79 100

108 28.2 69.0 103.4#

77 87.1 50.0 75.0#

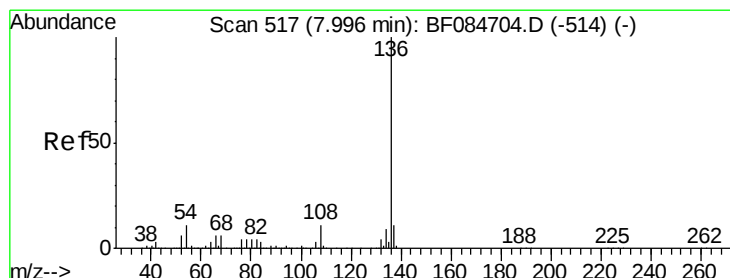
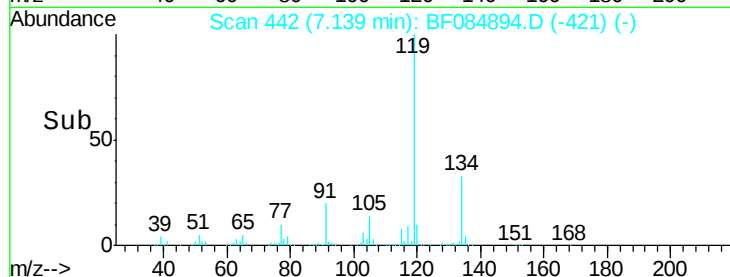
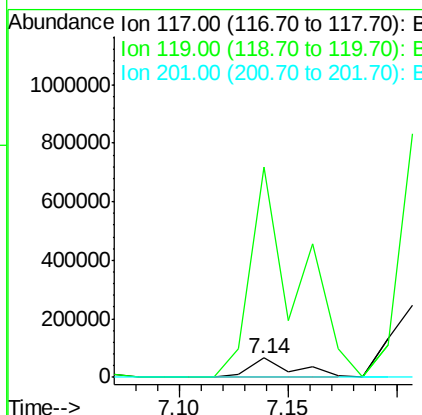
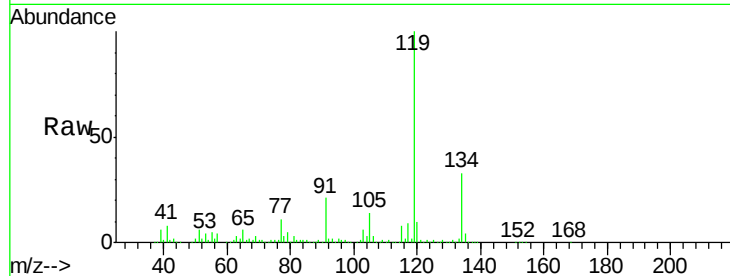




#18
Hexachloroethane
Concen: 19.90 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.06 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

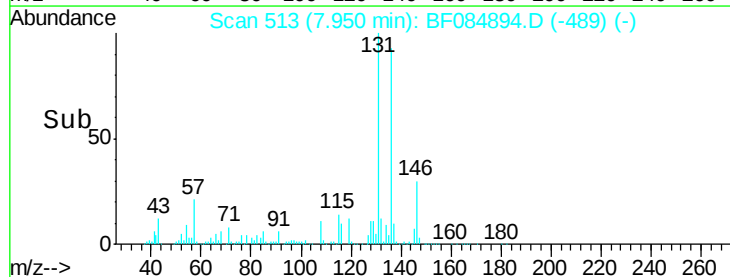
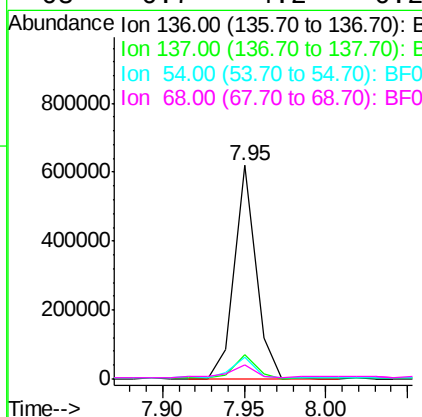
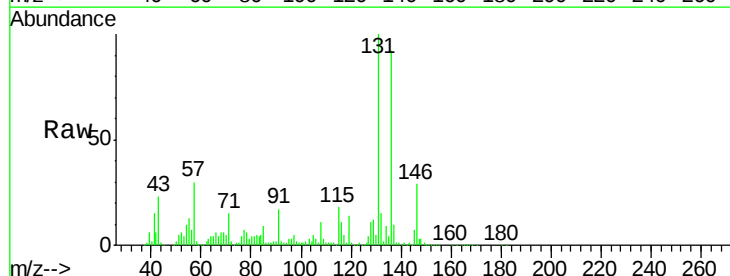
Instrument :
BNA_F
ClientSampleId :
S4-B004(30-32)

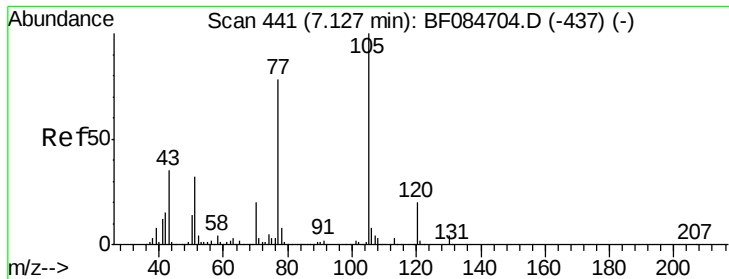
Tgt Ion:117 Resp: 94999
Ion Ratio Lower Upper
117 100
119 1078.3 77.4 116.0#
201 0.0 68.6 103.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:136 Resp: 567145
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 10.3 5.8 8.8#
68 6.7 4.2 6.2#





#22

Acetophenone

Concen: 34.59 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

Tgt Ion:105 Resp: 517064

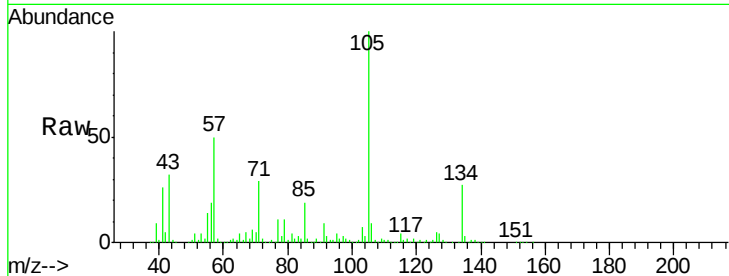
Ion Ratio Lower Upper

105 100

71 28.5 3.7 5.5#

51 3.5 25.1 37.7#

120 0.2 16.6 25.0#

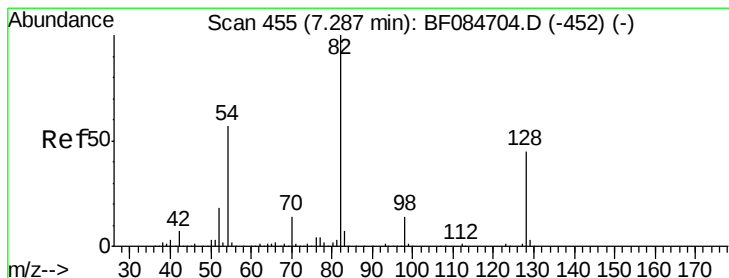
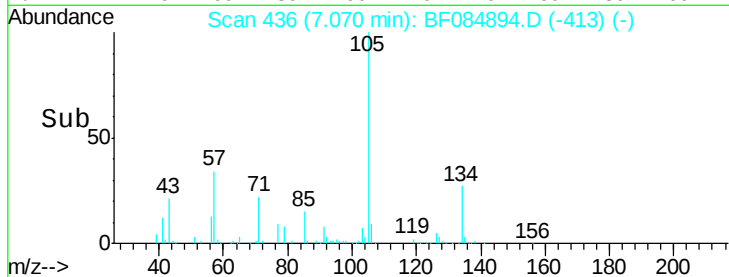
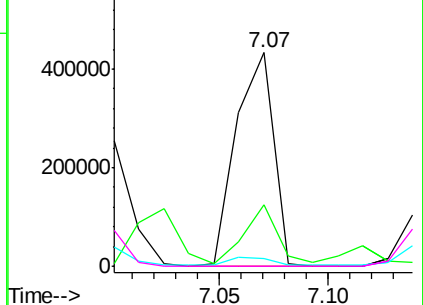


Abundance Ion 105.00 (104.70 to 105.70): E

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: 83.50 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

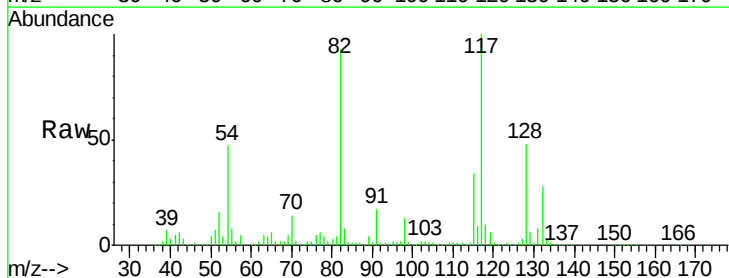
Tgt Ion: 82 Resp: 840637

Ion Ratio Lower Upper

82 100

128 51.5 34.6 51.8

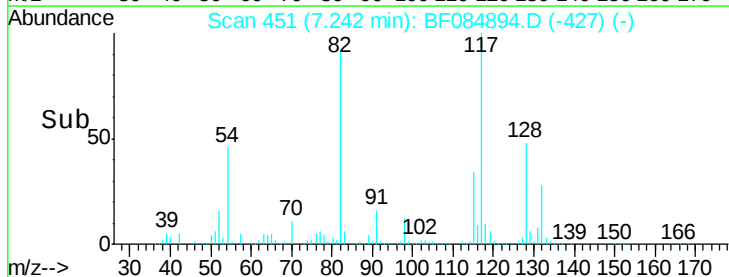
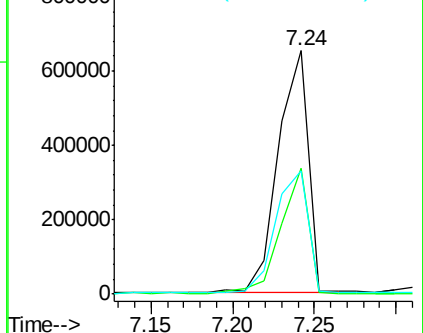
54 50.8 38.4 57.6

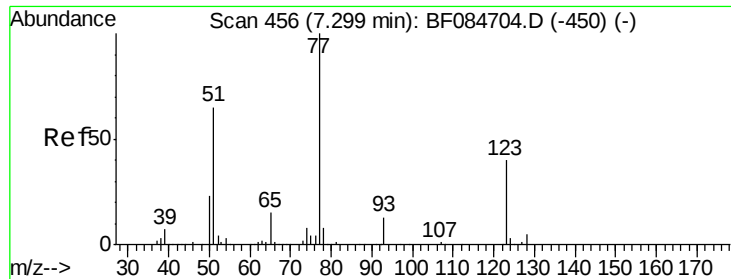


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

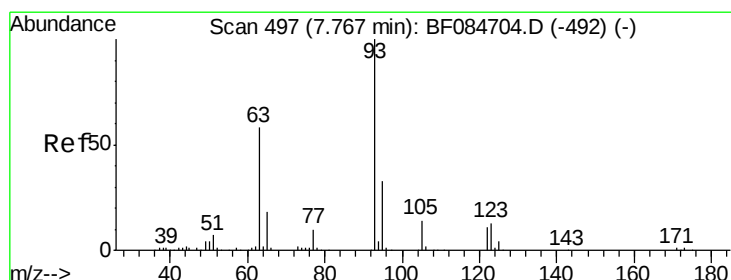
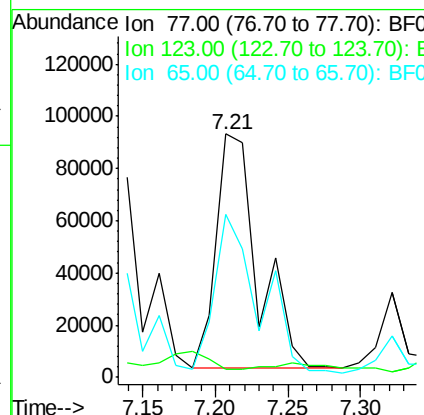
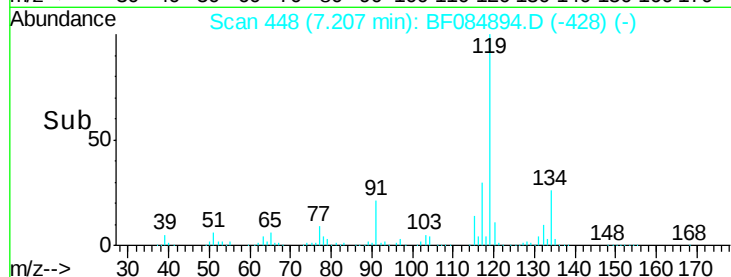
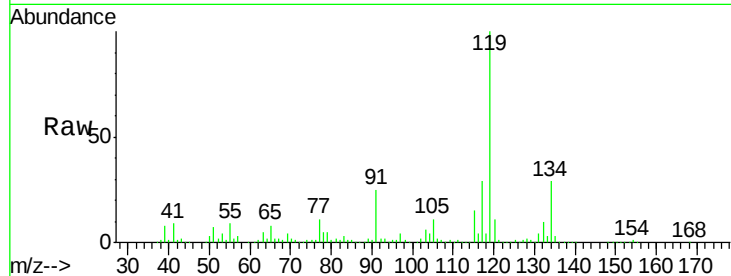




#24
 Nitrobenzene
 Concen: 16.85 ng
 RT: 7.21 min Scan# 448
 Delta R.T. -0.07 min
 Lab File: BF084894.D
 Acq: 6 Feb 2016 7:09

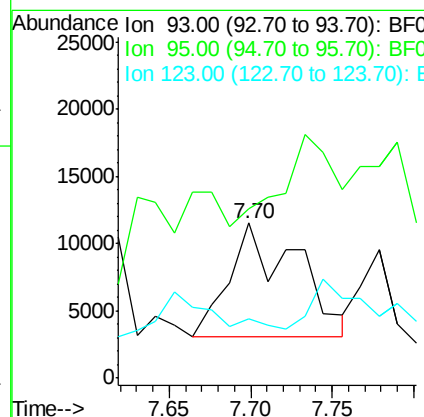
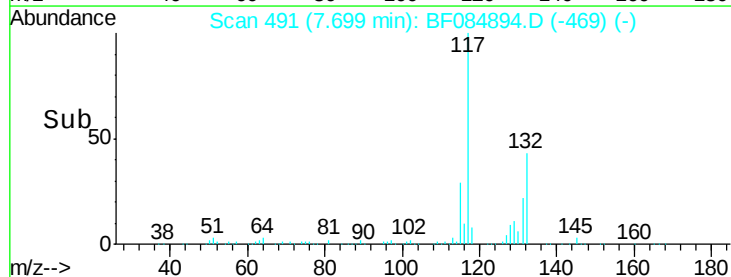
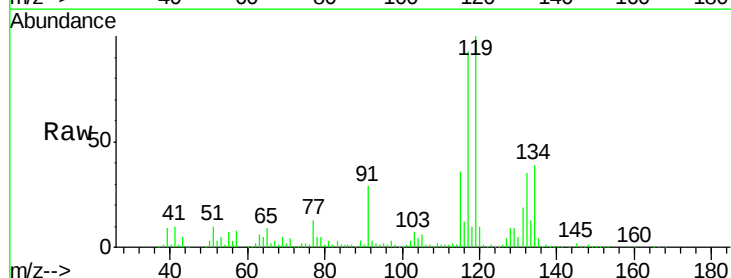
Instrument :
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 S4-B004(30-32)

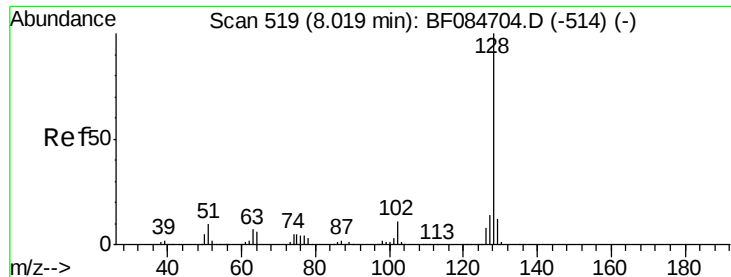
Tgt Ion: 77 Resp: 181642
 Ion Ratio Lower Upper
 77 100
 123 3.6 37.4 56.2#
 65 67.1 10.9 16.3#



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.10 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.05 min
 Lab File: BF084894.D
 Acq: 6 Feb 2016 7:09

Tgt Ion: 93 Resp: 24408
 Ion Ratio Lower Upper
 93 100
 95 109.3 25.8 38.6#
 123 38.1 8.6 12.8#

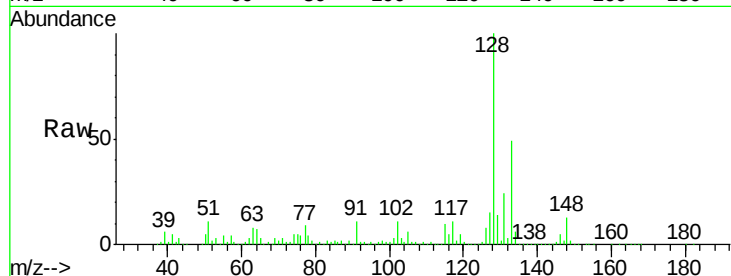




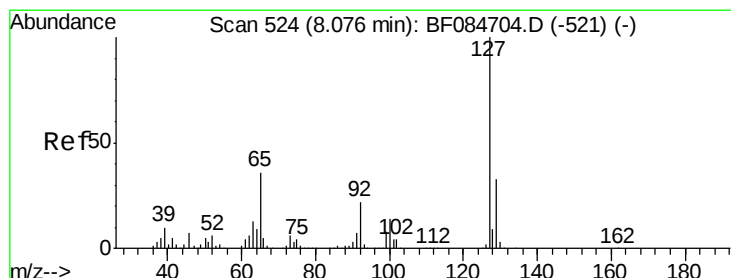
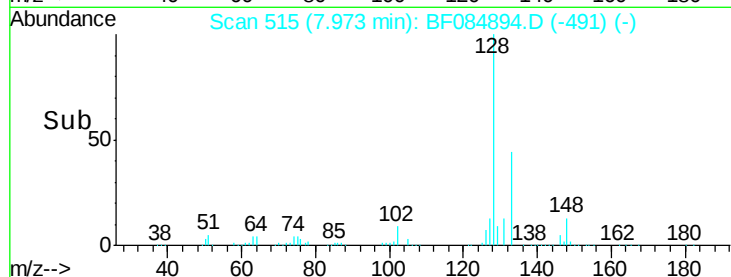
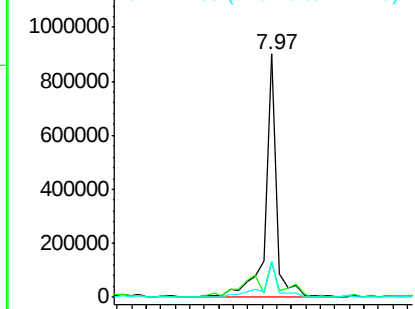
#31
Naphthalene
Concen: 34.21 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Instrument :
BNA_F
ClientSampleId :
S4-B004(30-32)

Tgt Ion:128 Resp: 973302
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 14.7 11.1 16.7

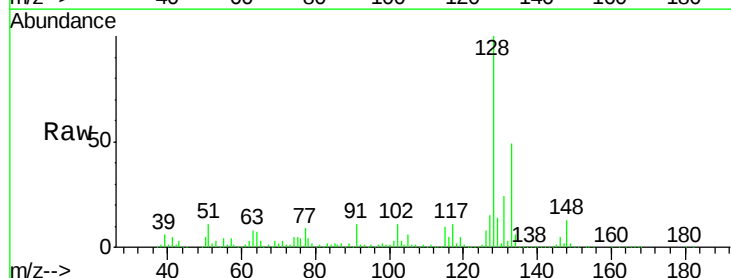


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

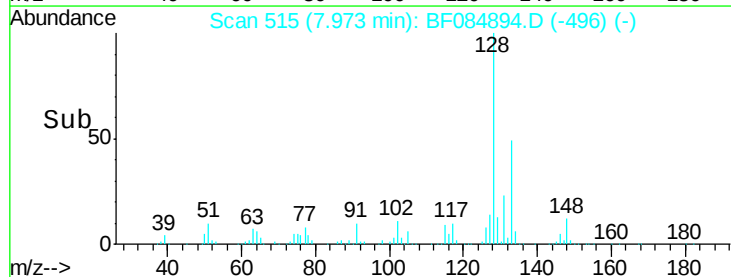
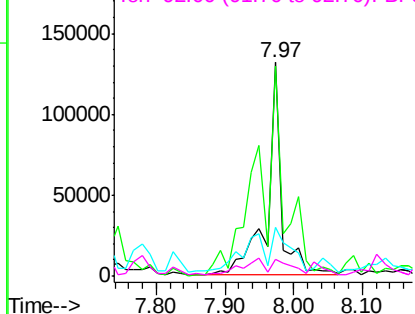


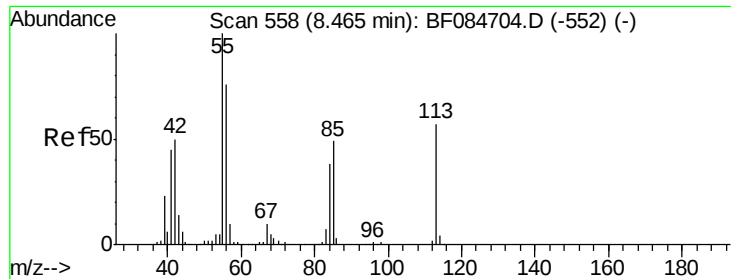
#33
4-Chloroaniline
Concen: 16.75 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:127 Resp: 197075
Ion Ratio Lower Upper
127 100
129 98.0 26.5 39.7#
65 22.6 27.2 40.8#
92 7.8 17.7 26.5#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 10.05 ng

RT: 8.38 min Scan# 551

Delta R.T. -0.06 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

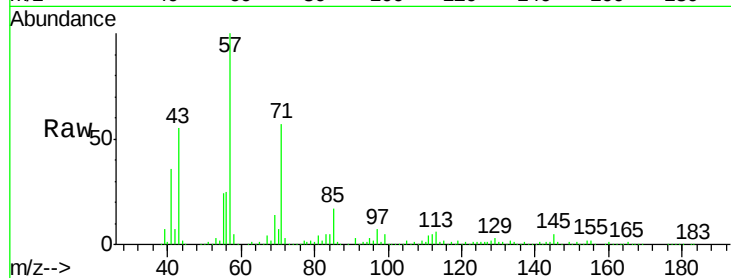
Tgt Ion:113 Resp: 24525

Ion Ratio Lower Upper

113 100

55 389.9 116.9 156.9#

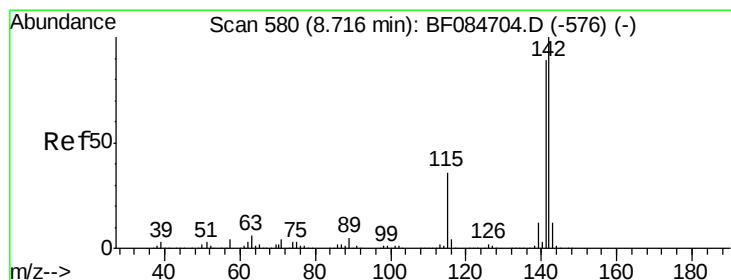
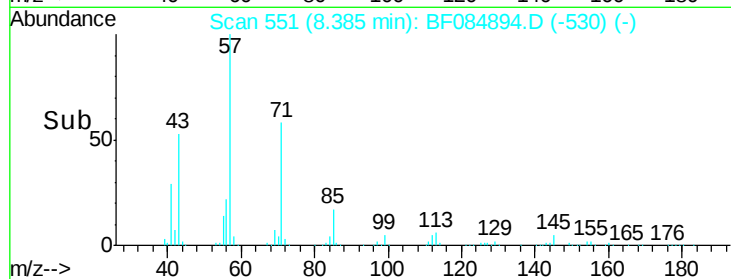
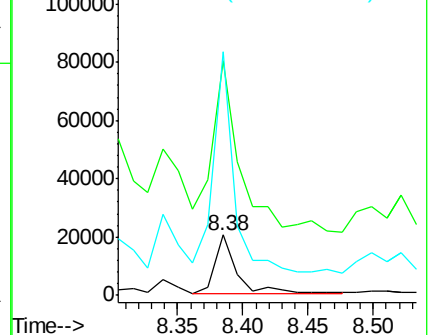
56 403.5 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 43.23 ng

RT: 8.67 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

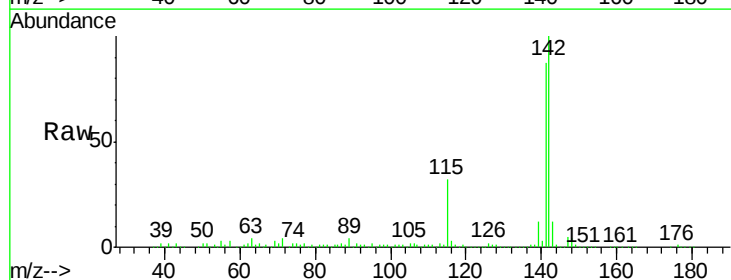
Tgt Ion:142 Resp: 769656

Ion Ratio Lower Upper

142 100

141 87.1 72.4 108.6

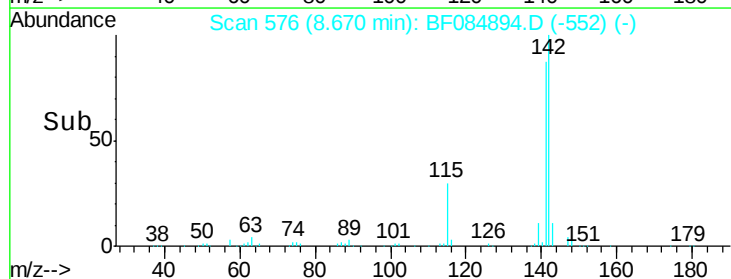
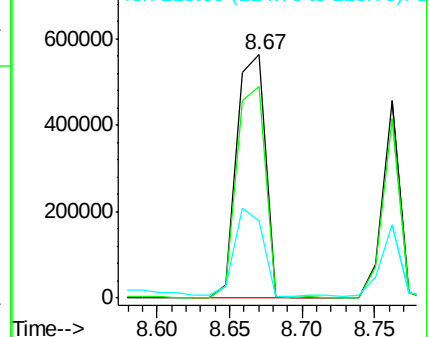
115 31.9 27.9 41.9

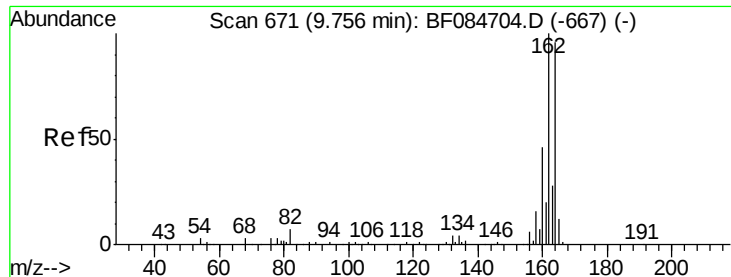


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

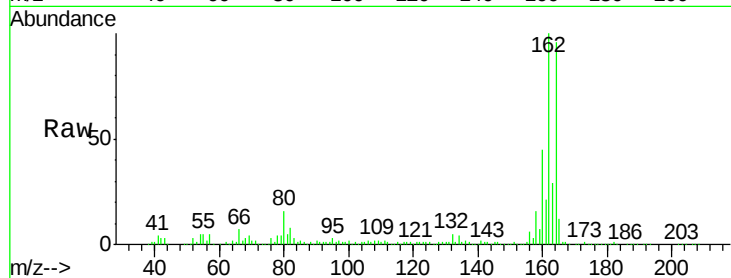
Tgt Ion:164 Resp: 293717

Ion Ratio Lower Upper

164 100

162 104.4 85.1 127.7

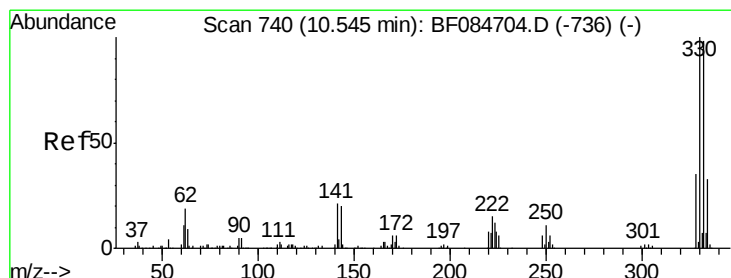
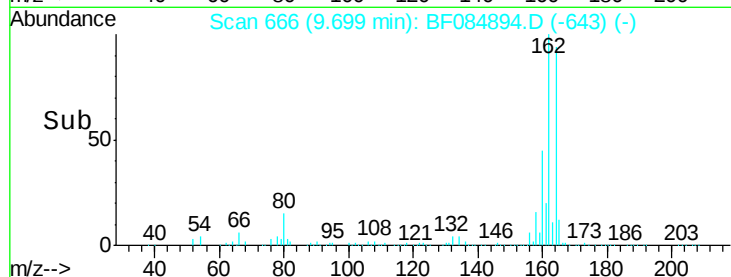
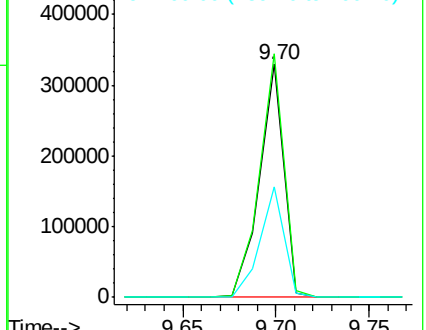
160 47.4 37.5 56.3



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: 93.53 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

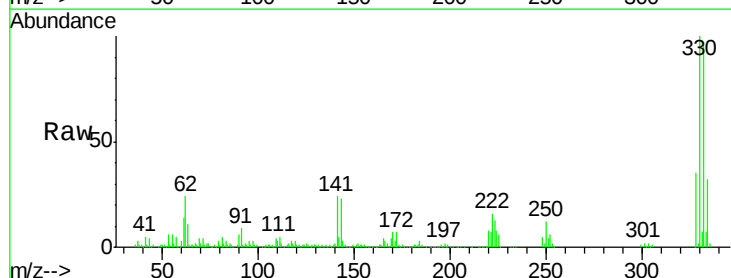
Tgt Ion:330 Resp: 286537

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

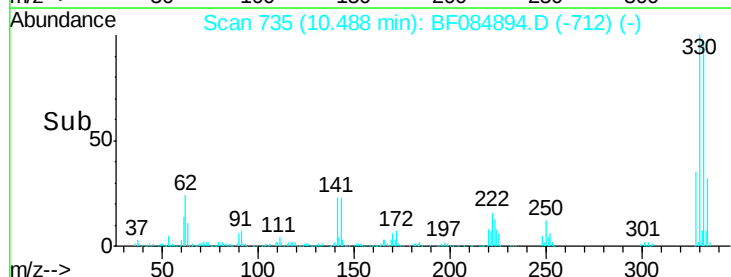
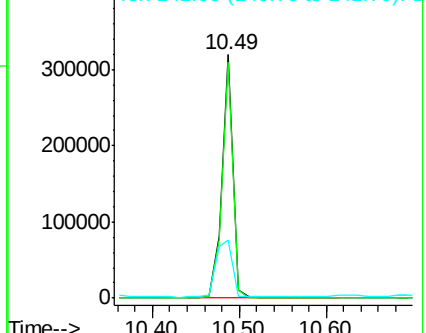
141 36.4 27.8 41.6

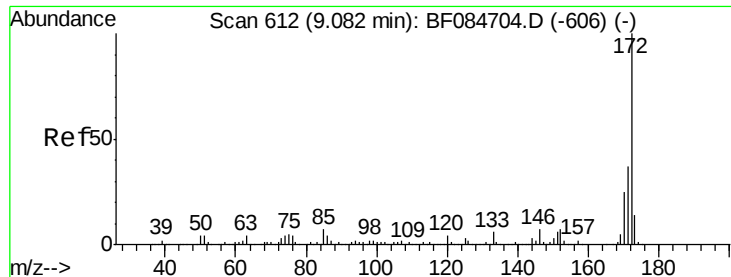


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 65.66 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

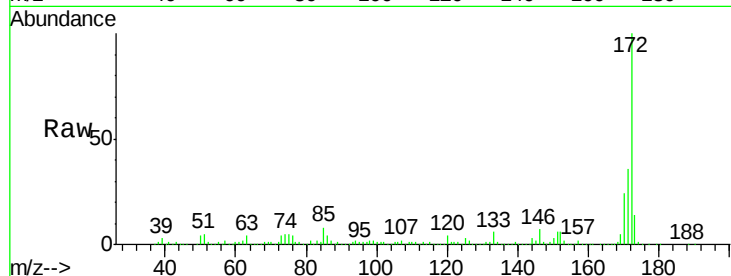
Tgt Ion:172 Resp: 1234806

Ion Ratio Lower Upper

172 100

171 35.9 28.9 43.3

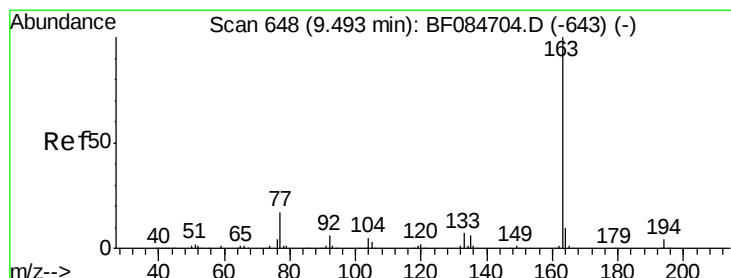
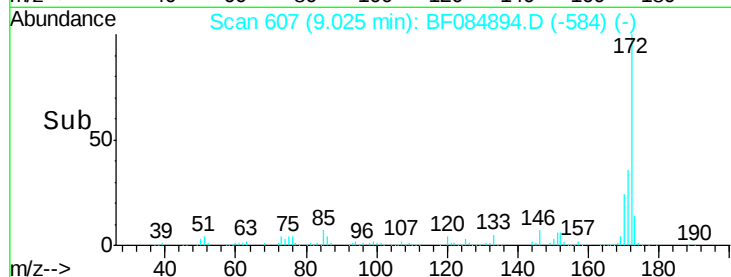
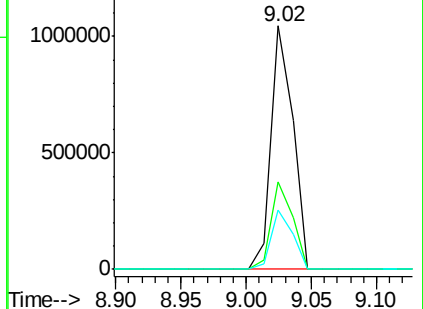
170 24.2 18.6 27.8



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: 14.11 ng

RT: 9.42 min Scan# 642

Delta R.T. -0.05 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

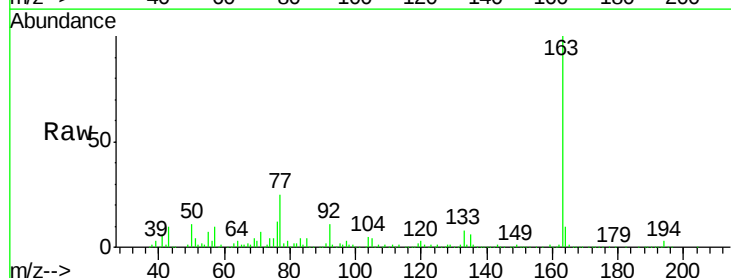
Tgt Ion:163 Resp: 315583

Ion Ratio Lower Upper

163 100

194 3.1 8.0 12.0#

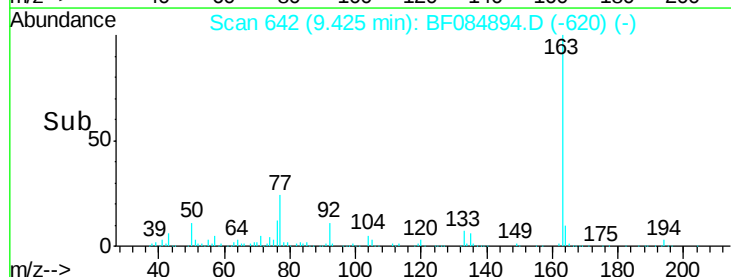
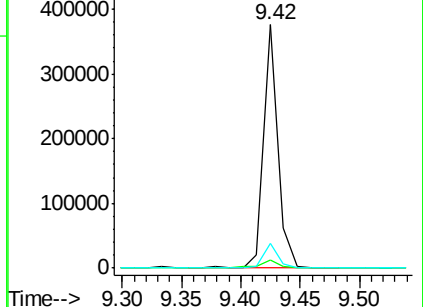
164 10.3 8.0 12.0

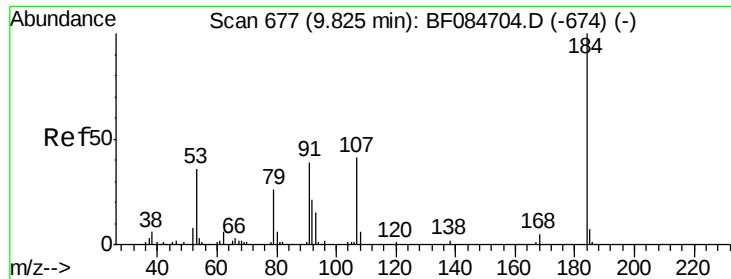


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

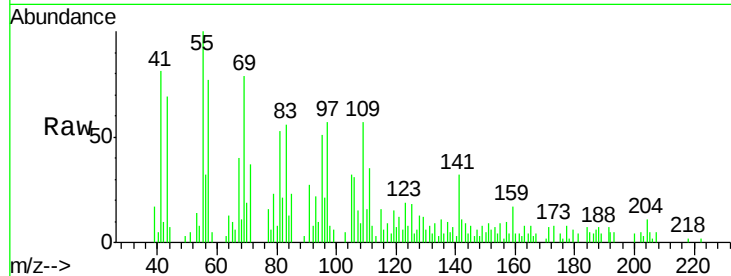




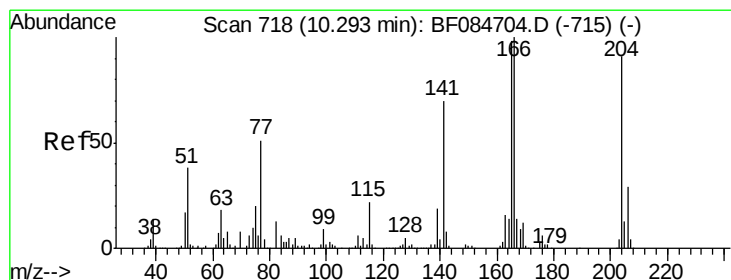
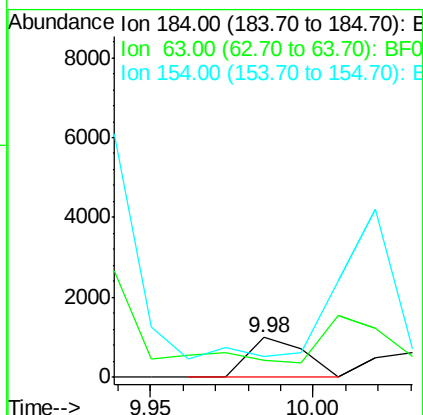
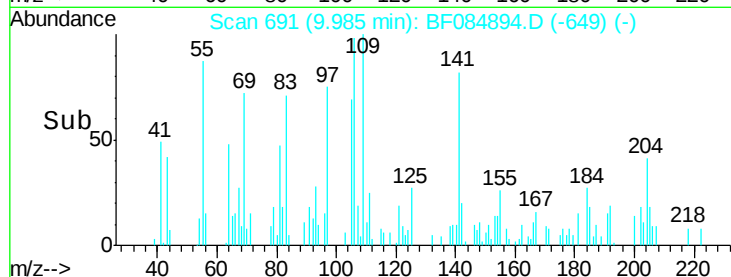
#53
 2,4-Dinitrophenol
 Concen: 6.28 ng
 RT: 9.98 min Scan# 691
 Delta R.T. 0.18 min
 Lab File: BF084894.D
 Acq: 6 Feb 2016 7:09

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(30-32)

Tgt Ion:184 Resp: 1167
 Ion Ratio Lower Upper
 184 100
 63 41.6 43.1 64.7#
 154 51.4 60.5 90.7#

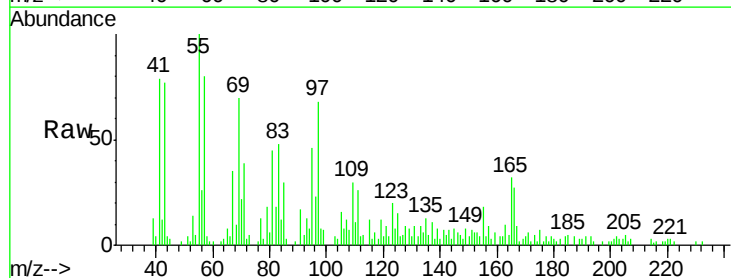


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

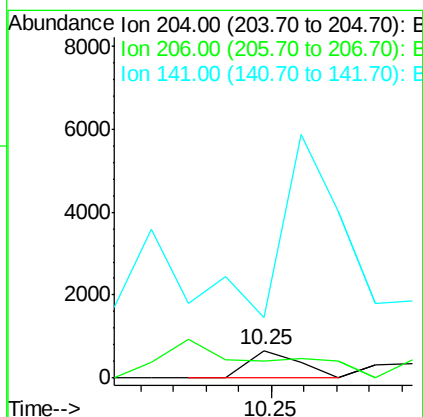
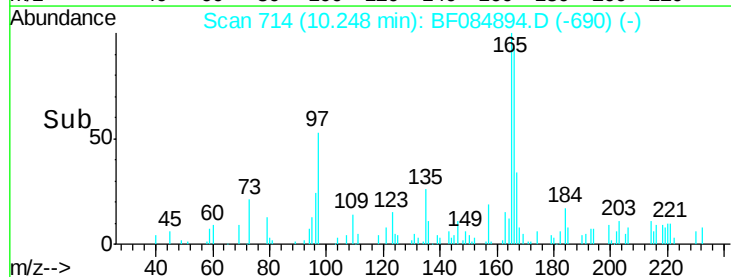


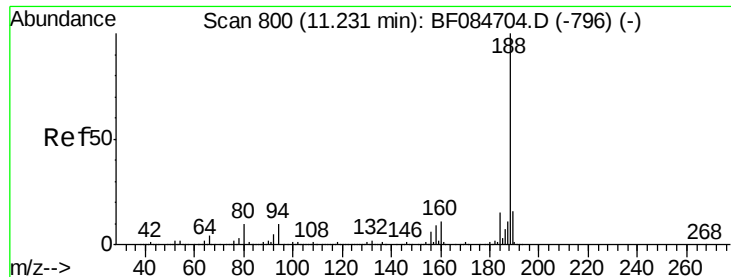
#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.25 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF084894.D
 Acq: 6 Feb 2016 7:09

Tgt Ion:204 Resp: 723
 Ion Ratio Lower Upper
 204 100
 206 61.4 25.7 38.5#
 141 218.5 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

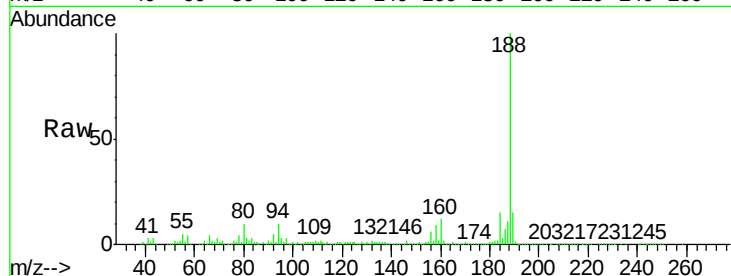




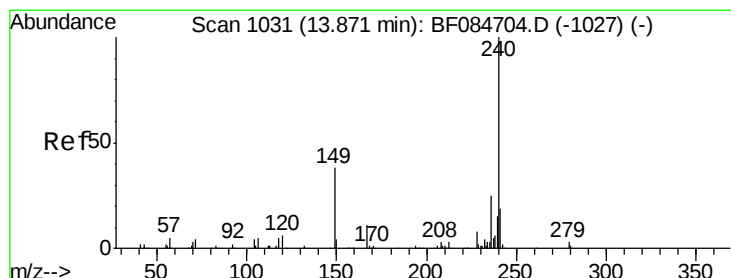
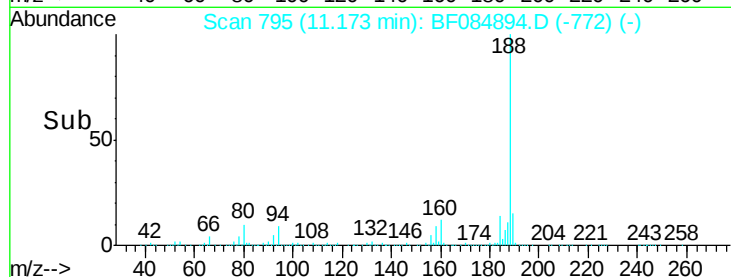
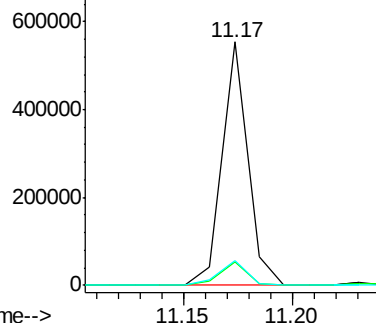
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Instrument :
BNA_F
ClientSampleId :
S4-B004(30-32)

Tgt Ion:188 Resp: 455348
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.4
80 10.4 9.6 14.4

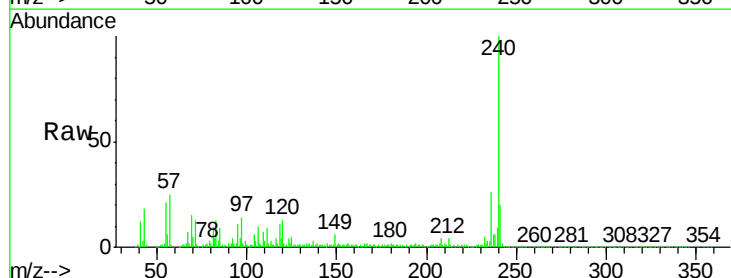


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

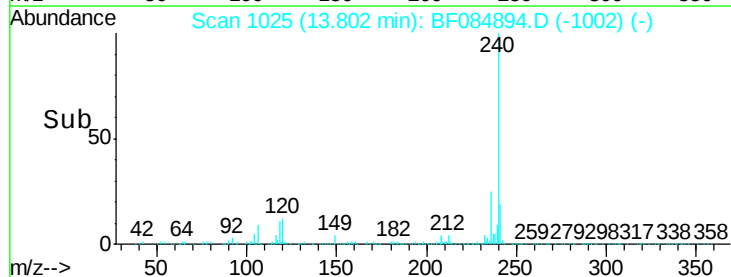
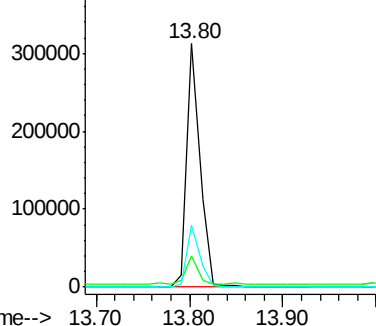


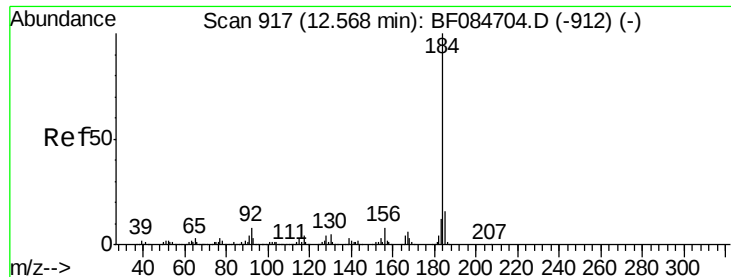
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Tgt Ion:240 Resp: 306111
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.6 20.6 31.0



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





#76

Benzidine

Concen: 6.98 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

Instrument :

BNA_F

ClientSampleId :

S4-B004(30-32)

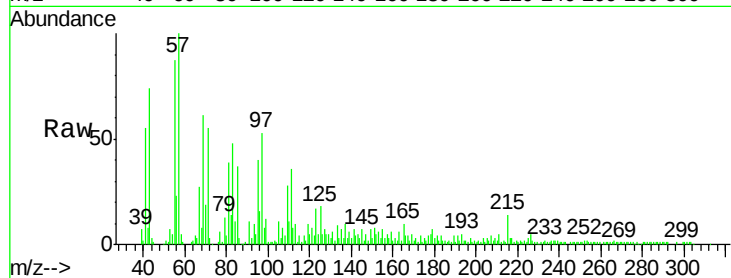
Tgt Ion:184 Resp: 1492

Ion Ratio Lower Upper

184 100

185 122.5 12.2 18.2#

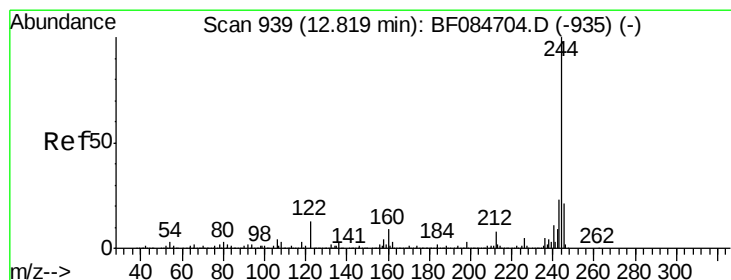
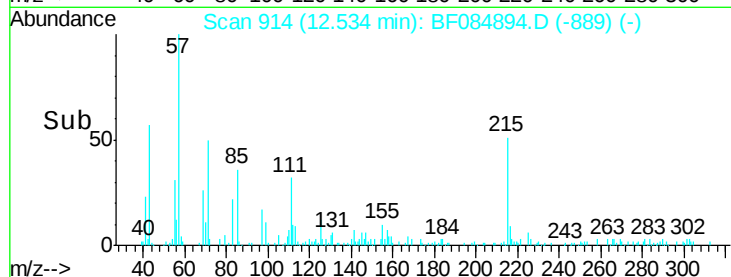
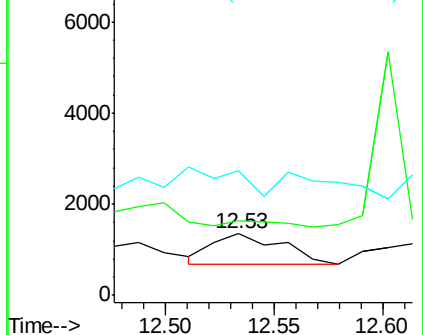
183 203.4 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 66.27 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084894.D

Acq: 6 Feb 2016 7:09

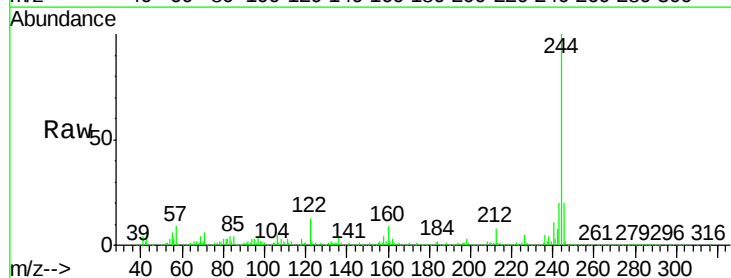
Tgt Ion:244 Resp: 895264

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

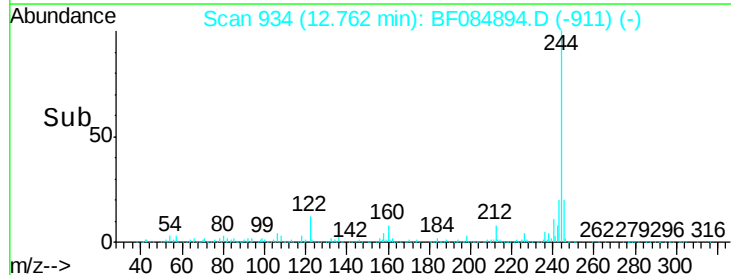
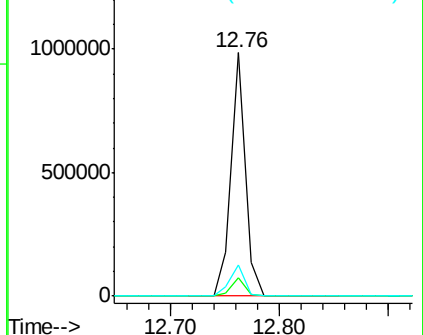
122 12.6 7.4 11.0#

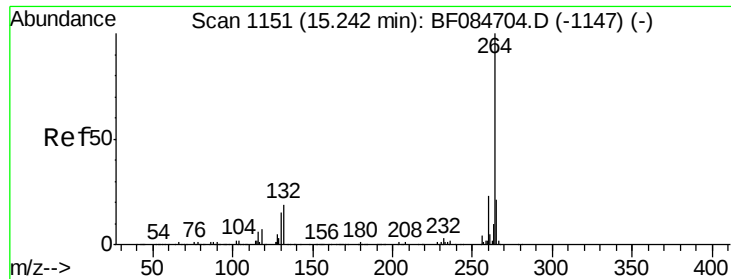


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

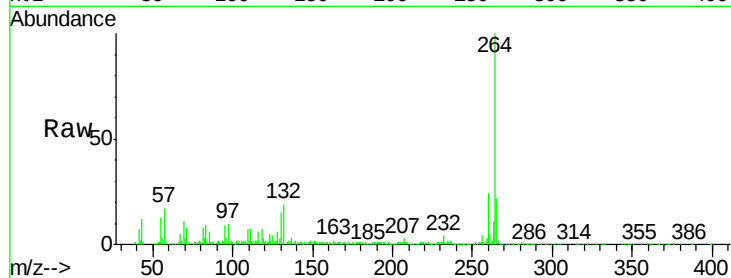




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084894.D
Acq: 6 Feb 2016 7:09

Instrument :
BNA_F
ClientSampleId :
S4-B004(30-32)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.8	17.8	26.6



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

