

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF085002.D
 Acq On : 10 Feb 2016 19:32
 Operator : SJ/IZ
 Sample : H1386-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(31-33)

Quant Time: Feb 11 00:22:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

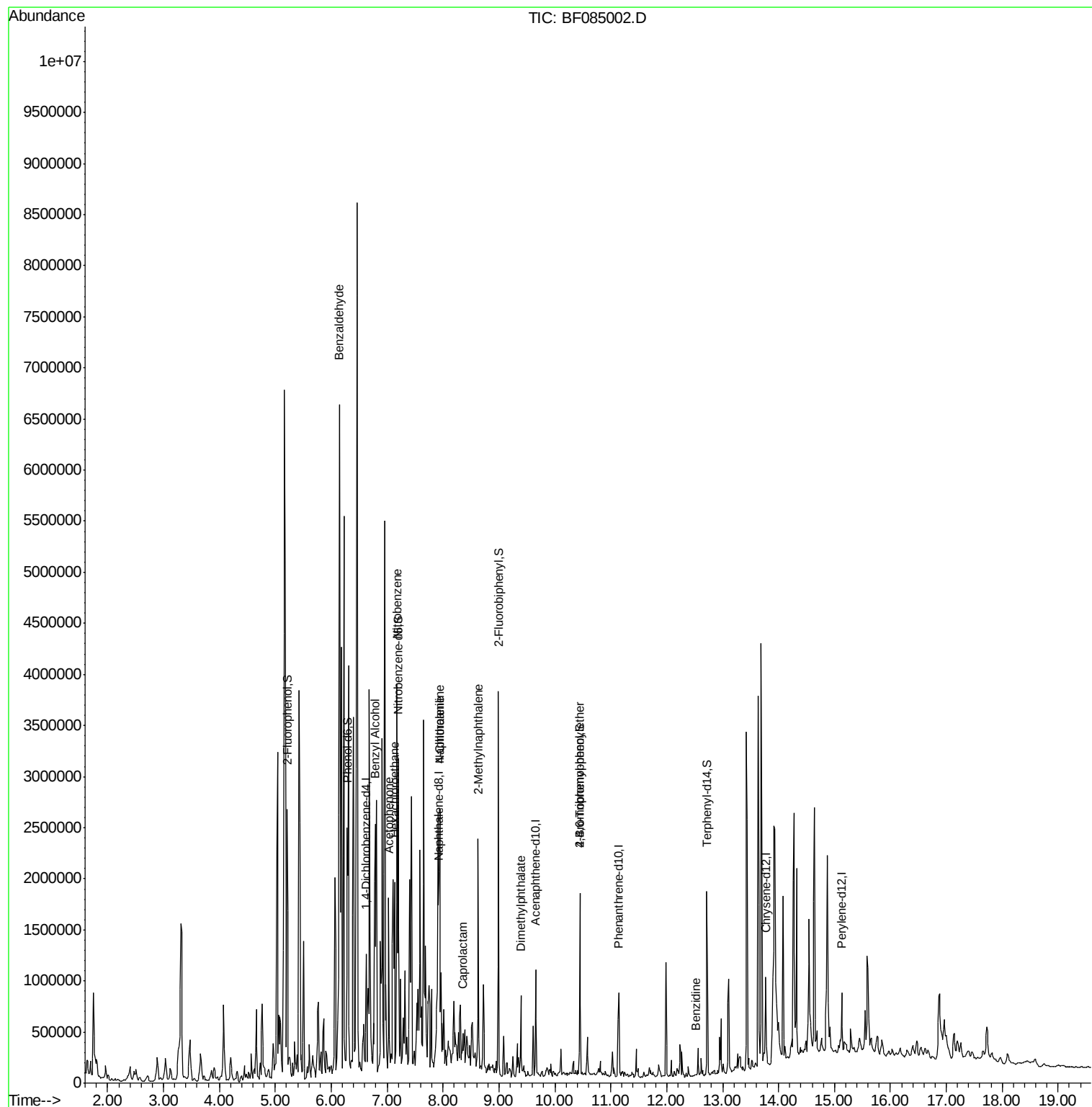
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	147695	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	536676	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	234314	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	392957	20.00	ng	0.00
75) Chrysene-d12	13.77	240	297894	20.00	ng	0.00
86) Perylene-d12	15.13	264	251268	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	918709	96.89	ng	0.01
7) Phenol-d6	6.28	99	1159073	98.60	ng	0.00
23) Nitrobenzene-d5	7.20	82	648866	68.11	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	233360	95.48	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1134059	79.86	ng	0.00
78) Terphenyl-d14	12.72	244	659687	50.18	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.15	77	396779	57.16	ng	# 1
15) Benzyl Alcohol	6.79	79	23109	2.85	ng	# 47
18) Hexachloroethane	7.13	117	134884	30.90	ng	# 1
22) Acetophenone	7.03	105	470299	33.25	ng	# 56
24) Nitrobenzene	7.18	77	148381	14.54	ng	# 21
31) Naphthalene	7.94	128	1158878	43.05	ng	# 98
33) 4-Chloroaniline	7.94	127	177623	15.95	ng	# 36
35) Caprolactam	8.35	113	5523	2.39	ng	# 1
37) 2-Methylnaphthalene	8.63	142	572800	34.00	ng	# 98
49) Dimethylphthalate	9.39	163	270439	15.15	ng	# 91
60) 4-Chlorophenyl-phenylether	10.02	204	848	Below Cal		# 75
66) 4-Bromophenyl-phenylether	10.44	248	13659	3.15	ng	# 1
76) Benzidine	12.53	184	286	6.91	ng	# 1

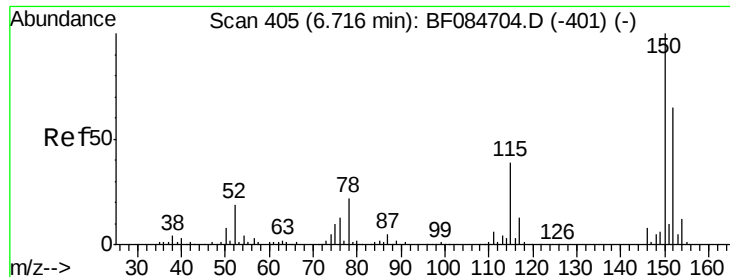
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

ClientSampleId :

S4-B001(31-33)

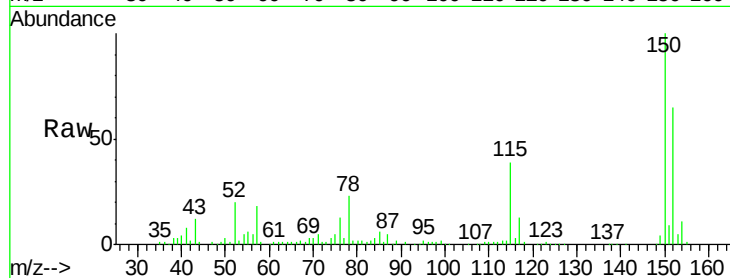
Tgt Ion:152 Resp: 147695

Ion Ratio Lower Upper

152 100

150 153.6 123.0 184.4

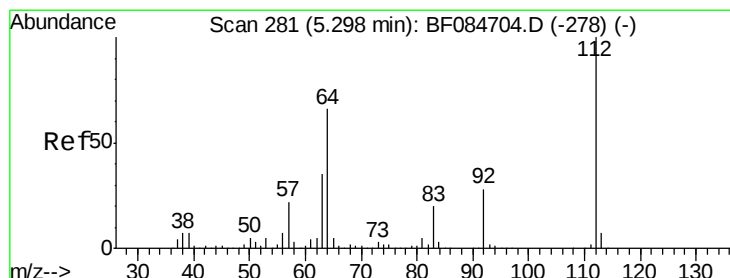
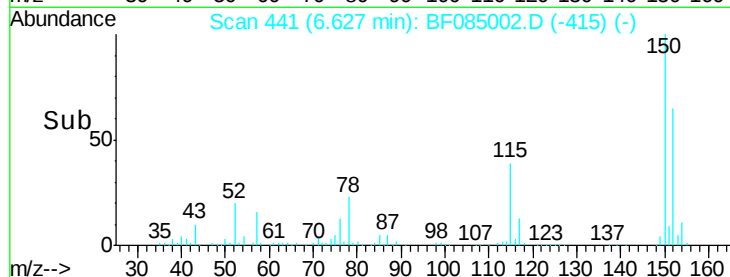
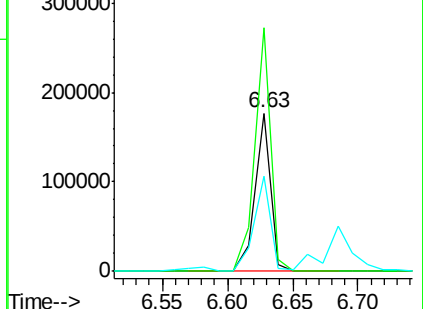
115 59.9 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 96.89 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

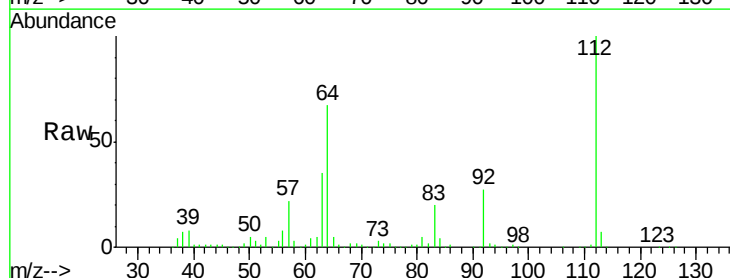
Tgt Ion:112 Resp: 918709

Ion Ratio Lower Upper

112 100

64 67.0 36.6 55.0#

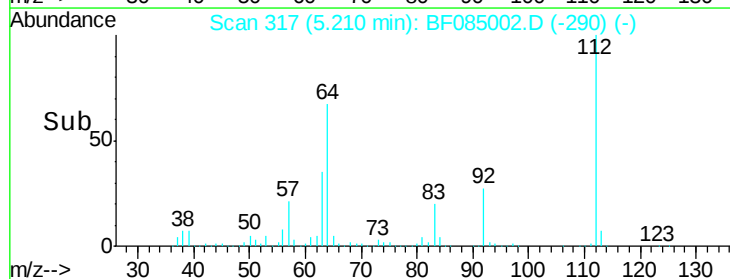
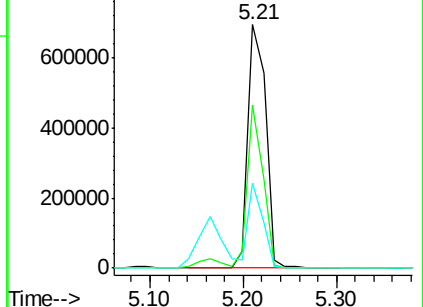
63 34.8 19.4 29.0#

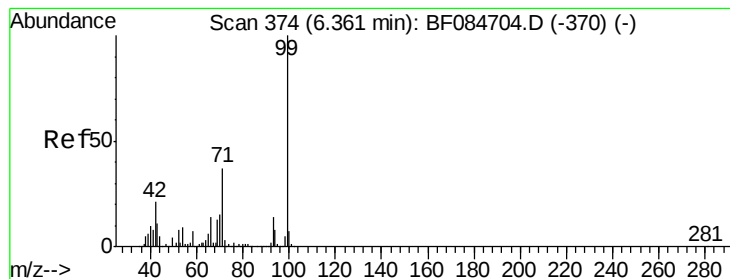


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.60 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

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S4-B001(31-33)

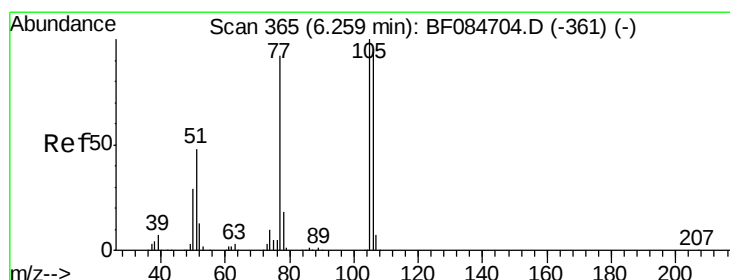
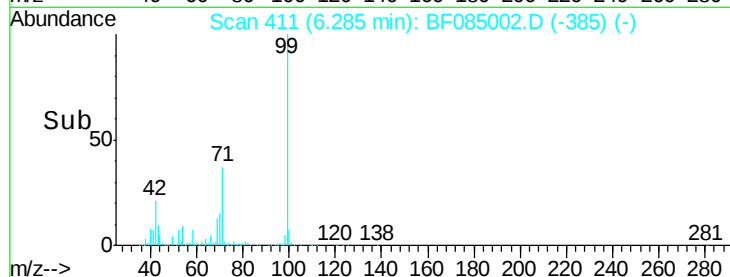
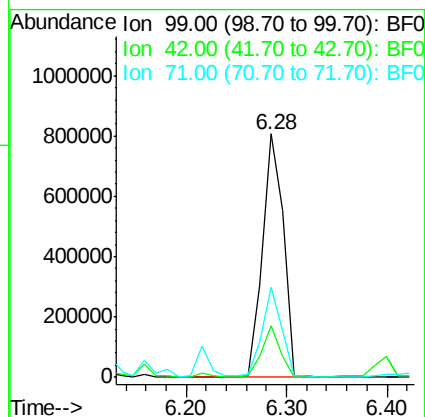
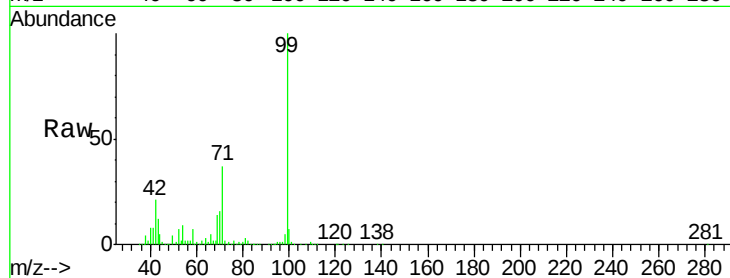
Tgt Ion: 99 Resp: 1159073

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

71 36.9 30.9 46.3



#9

Benzaldehyde

Concen: 57.16 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

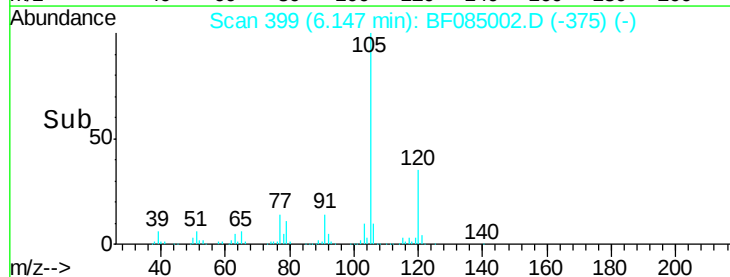
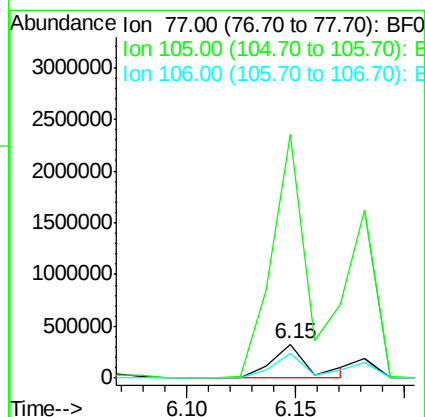
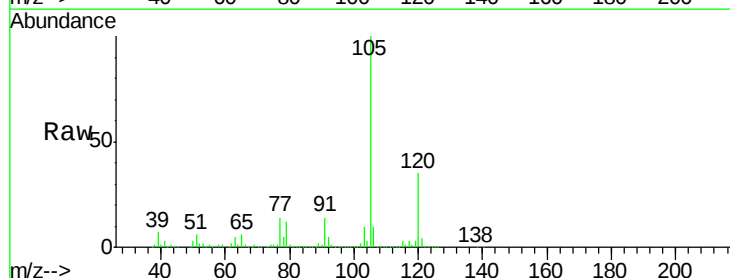
Tgt Ion: 77 Resp: 396779

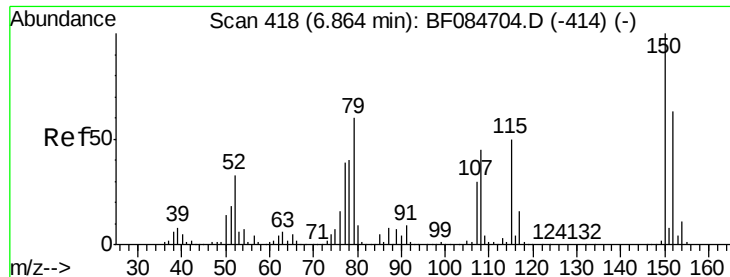
Ion Ratio Lower Upper

77 100

105 712.8 83.0 123.0#

106 71.8 74.6 114.6#

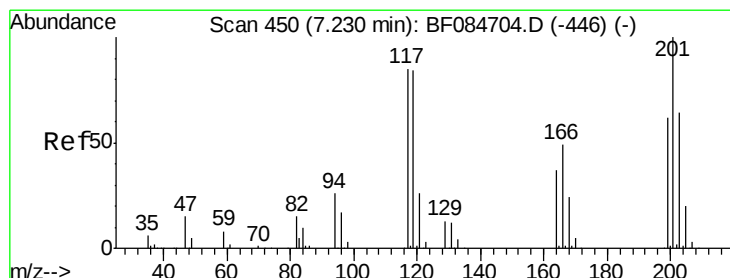
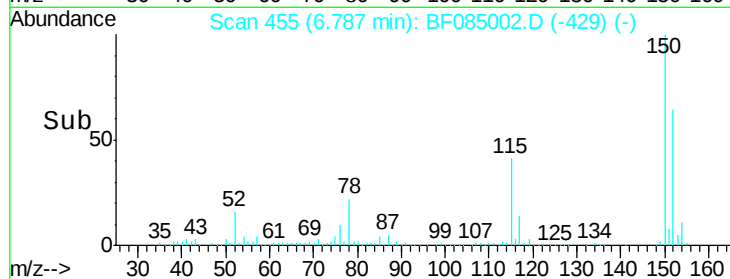
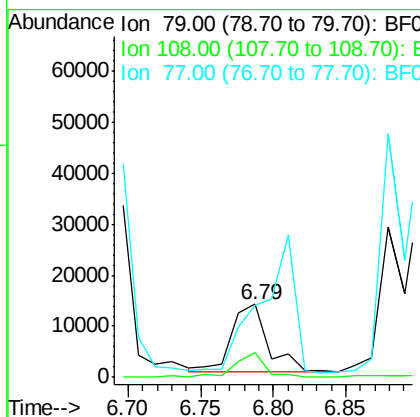
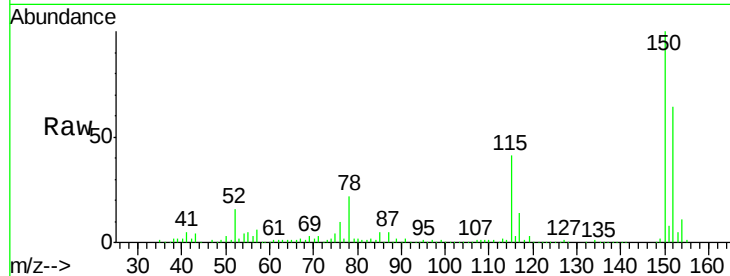




#15
Benzyl Alcohol
Concen: 2.85 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

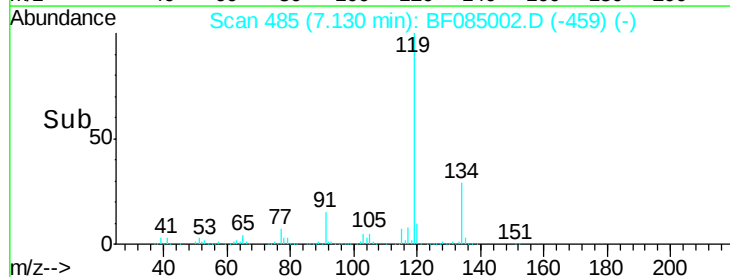
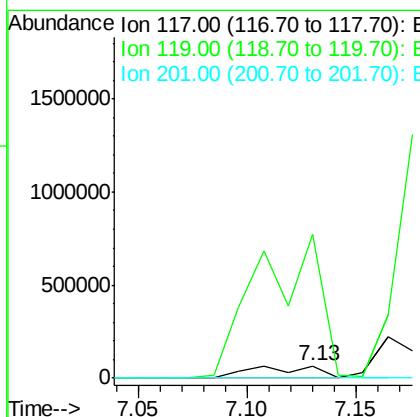
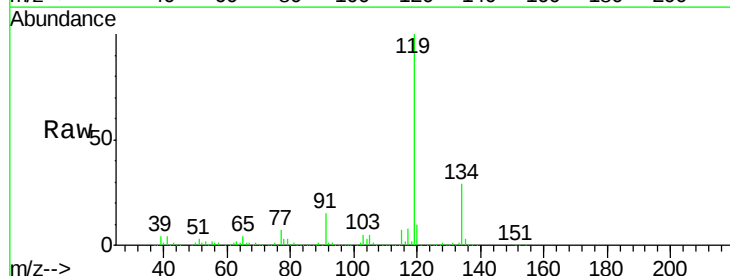
Instrument :
BNA_F
ClientSampleId :
S4-B001(31-33)

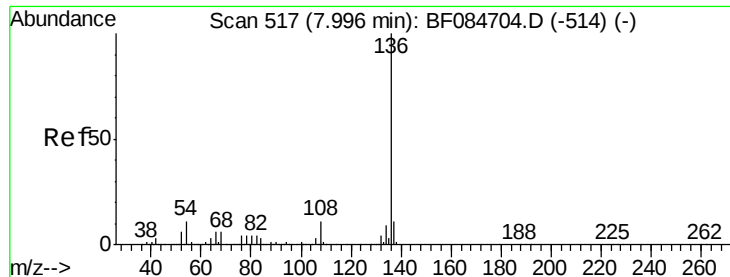
Tgt Ion: 79 Resp: 23109
Ion Ratio Lower Upper
79 100
108 34.0 69.0 103.4#
77 98.6 50.0 75.0#



#18
Hexachloroethane
Concen: 30.90 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Tgt Ion: 117 Resp: 134884
Ion Ratio Lower Upper
117 100
119 1180.3 77.4 116.0#
201 0.0 68.6 103.0#

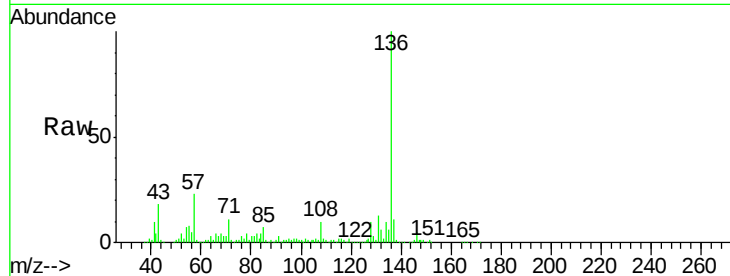




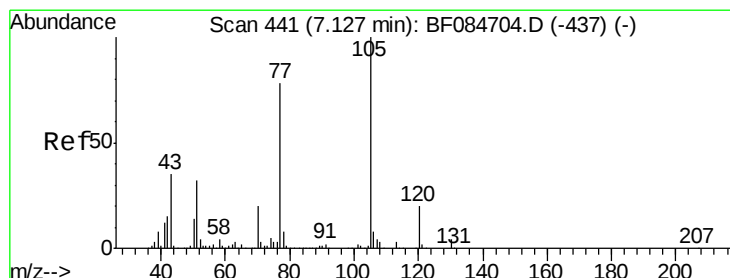
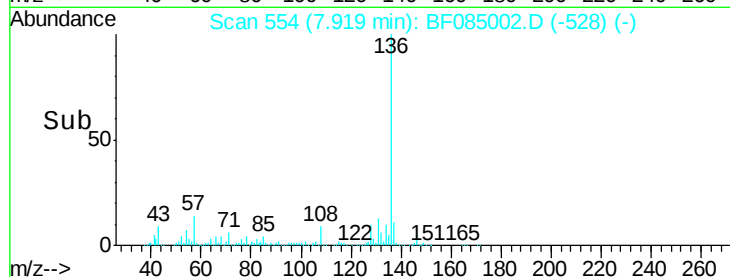
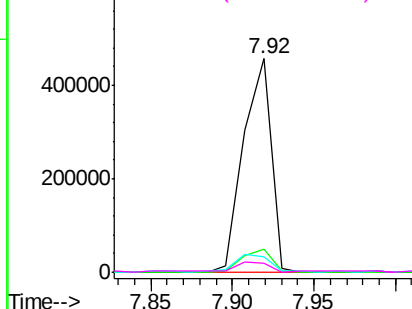
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Instrument :
BNA_F
ClientSampleId :
S4-B001(31-33)

Tgt Ion:	136	Resp:	536676
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	5.8	8.8
68	4.3	4.2	6.2

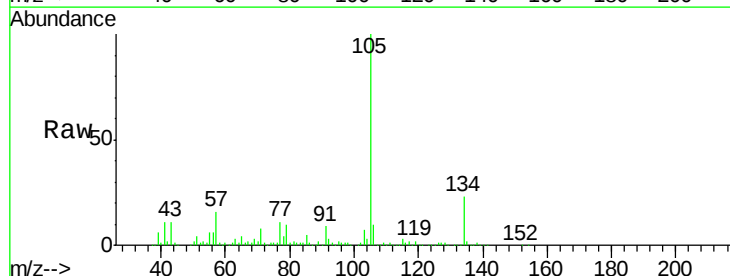


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

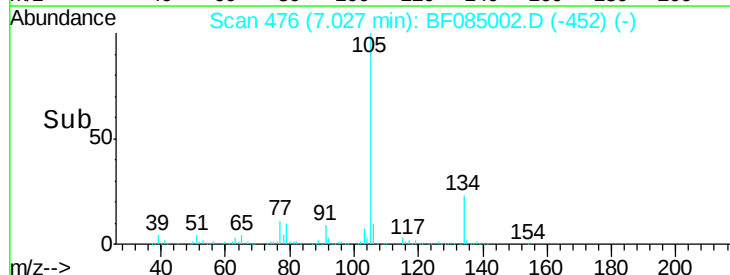
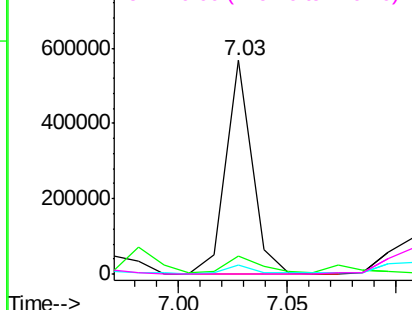


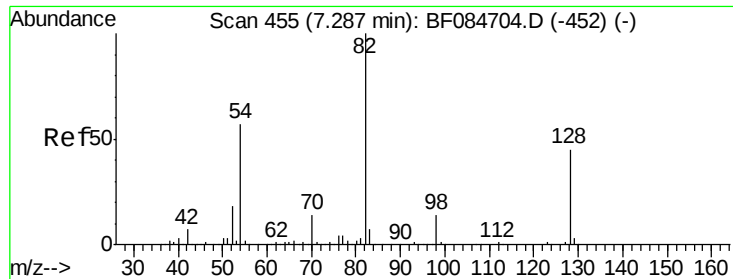
#22
Acetophenone
Concen: 33.25 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Tgt Ion:	105	Resp:	470299
Ion	Ratio	Lower	Upper
105	100		
71	8.3	3.7	5.5#
51	4.4	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

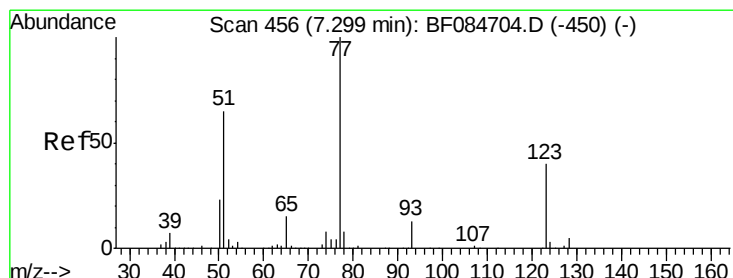
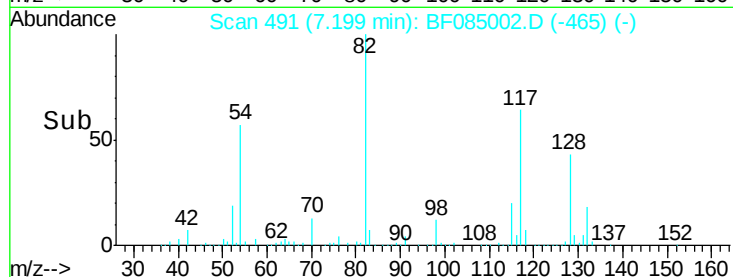
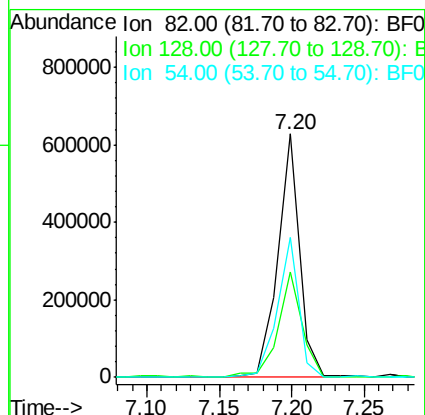
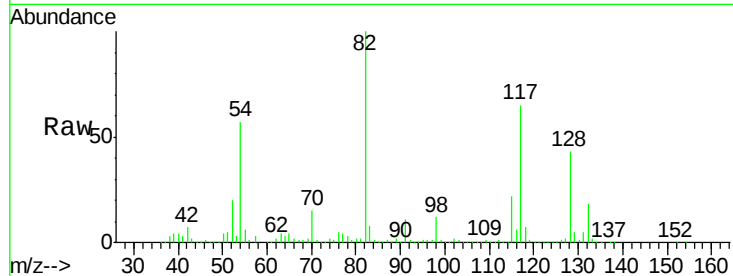




#23
Nitrobenzene-d5
Concen: 68.11 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

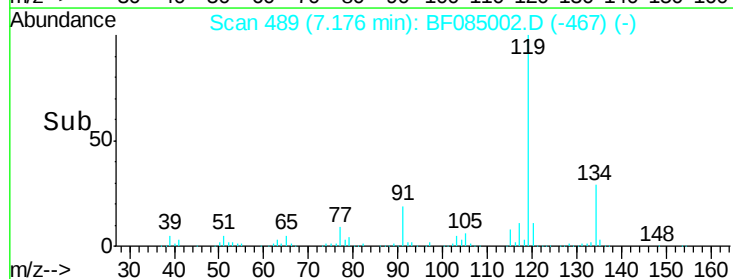
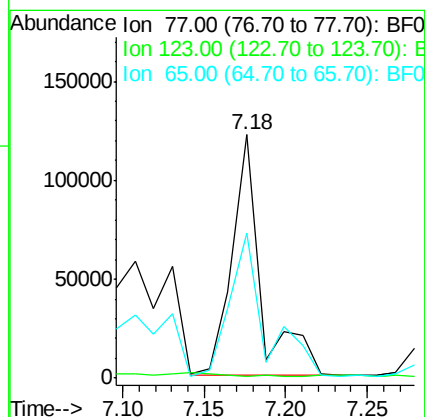
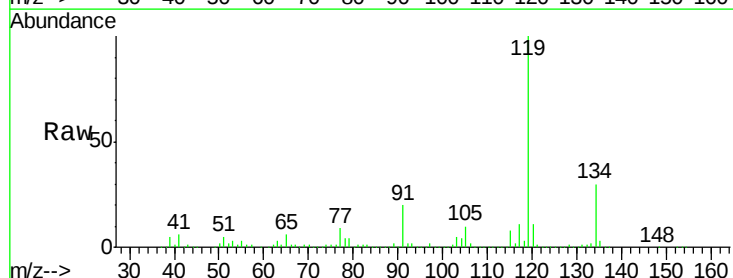
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S4-B001(31-33)

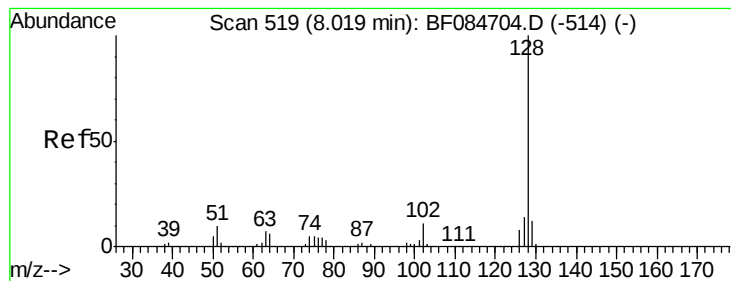
Tgt Ion: 82 Resp: 648866
Ion Ratio Lower Upper
82 100
128 43.4 34.6 51.8
54 57.3 38.4 57.6



#24
Nitrobenzene
Concen: 14.54 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Tgt Ion: 77 Resp: 148381
Ion Ratio Lower Upper
77 100
123 0.8 37.4 56.2#
65 59.6 10.9 16.3#





#31

Naphthalene

Concen: 43.05 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

ClientSampleId :

S4-B001(31-33)

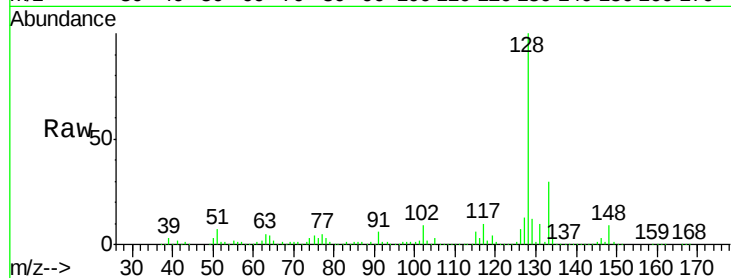
Tgt Ion:128 Resp: 1158878

Ion Ratio Lower Upper

128 100

129 12.5 9.1 13.7

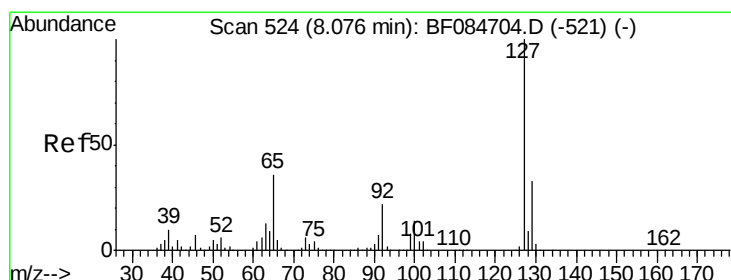
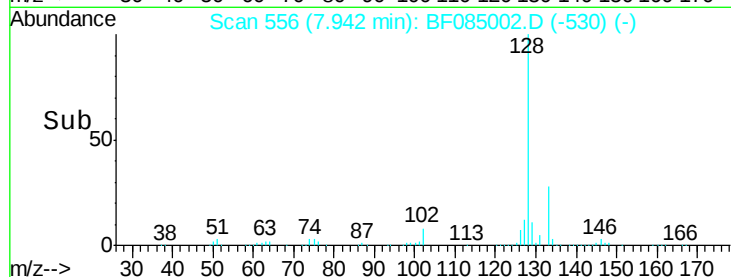
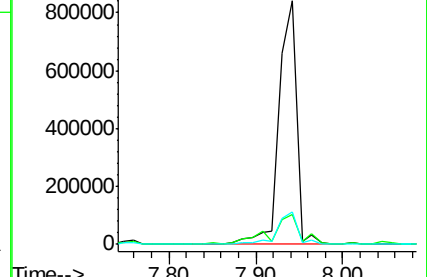
127 13.2 11.1 16.7



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: 15.95 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Tgt Ion:127 Resp: 177623

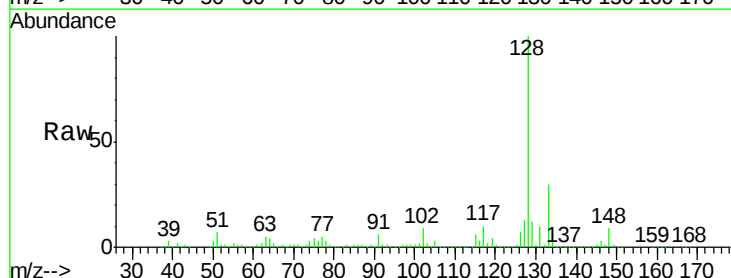
Ion Ratio Lower Upper

127 100

129 94.5 26.5 39.7#

65 12.2 27.2 40.8#

92 4.0 17.7 26.5#

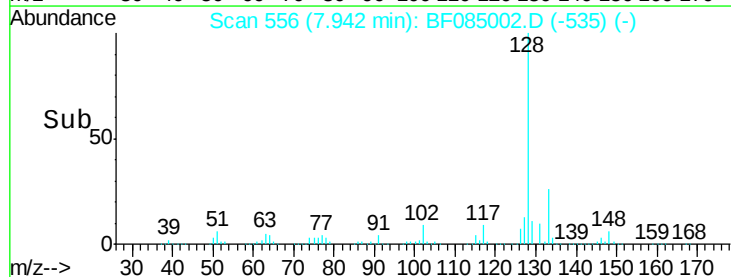
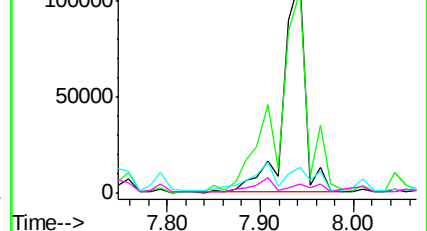


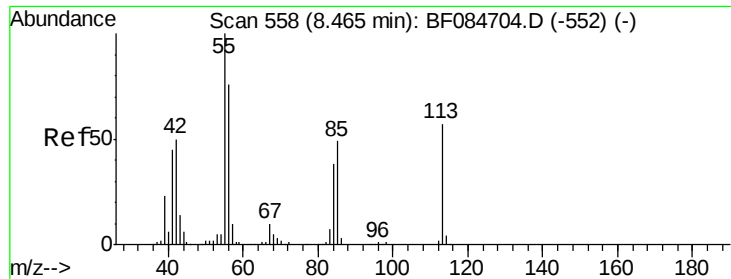
Abundance Ion 127.00 (126.70 to 127.70): E

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

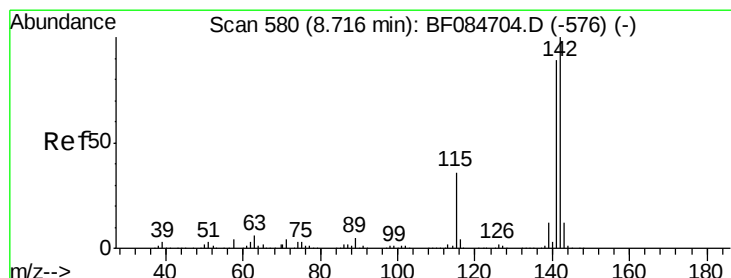
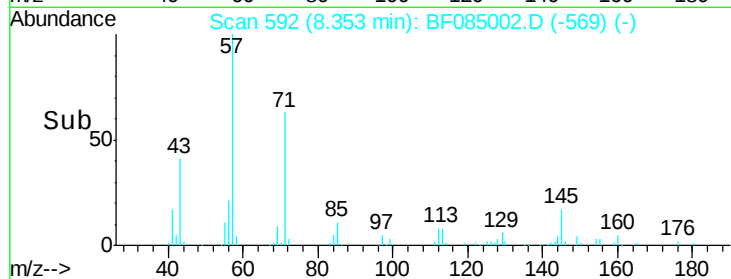
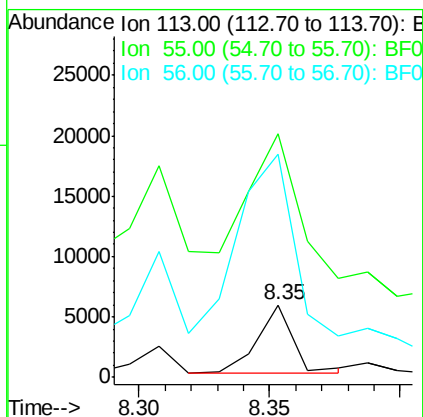
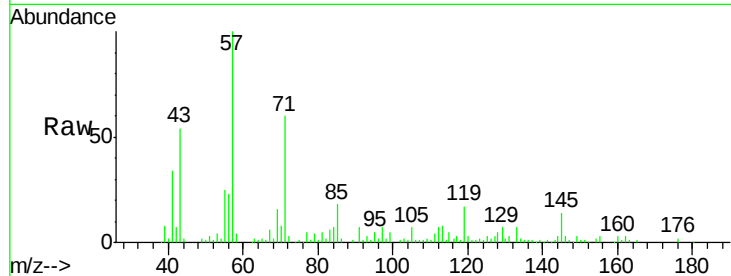




#35
 Caprolactam
 Concen: 2.39 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF085002.D
 Acq: 10 Feb 2016 19:32

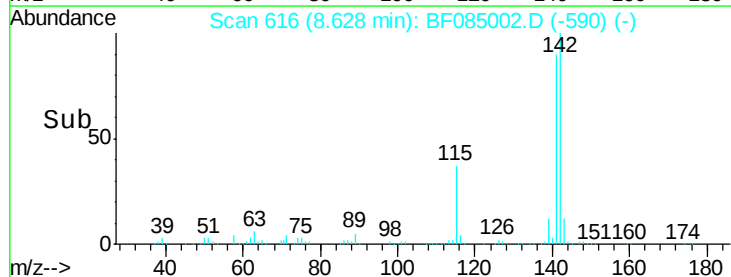
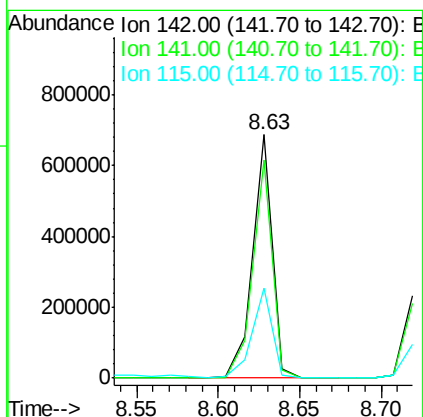
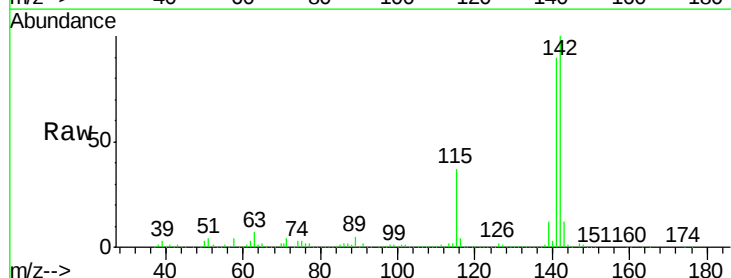
Instrument :
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 ClientSampleId :
 S4-B001(31-33)

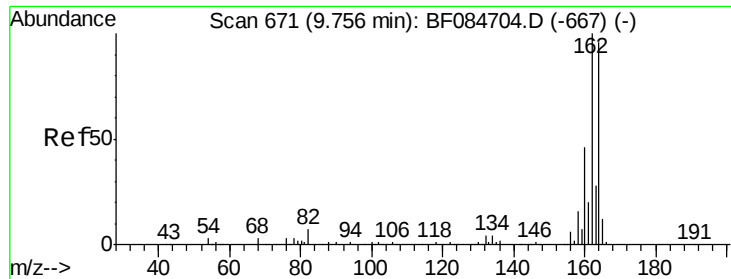
Tgt Ion:113 Resp: 5523
 Ion Ratio Lower Upper
 113 100
 55 337.2 116.9 156.9#
 56 309.5 93.8 133.8#



#37
 2-Methylnaphthalene
 Concen: 34.00 ng
 RT: 8.63 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF085002.D
 Acq: 10 Feb 2016 19:32

Tgt Ion:142 Resp: 572800
 Ion Ratio Lower Upper
 142 100
 141 89.7 72.4 108.6
 115 37.1 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

ClientSampleId :

S4-B001(31-33)

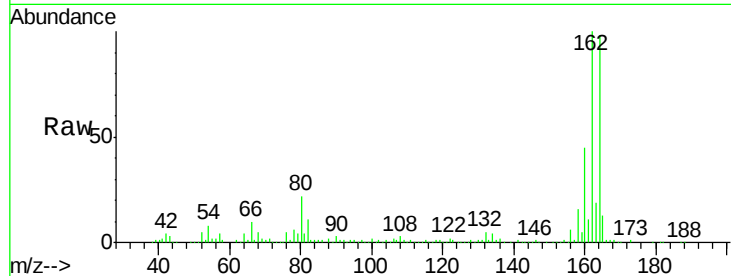
Tgt Ion:164 Resp: 234314

Ion Ratio Lower Upper

164 100

162 101.7 85.1 127.7

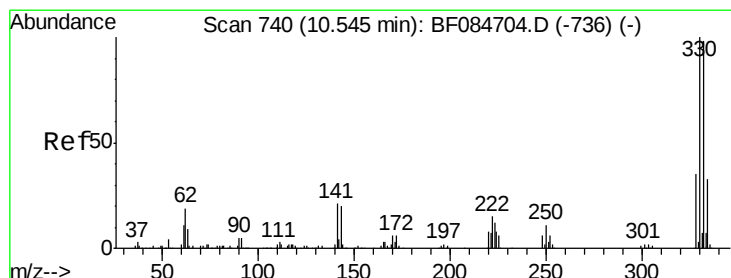
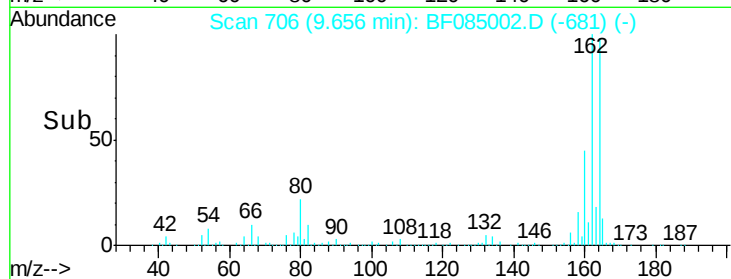
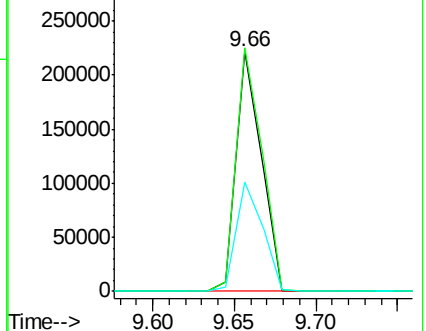
160 45.4 37.5 56.3



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: 95.48 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

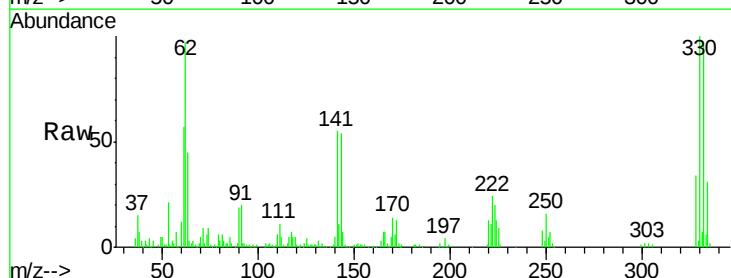
Tgt Ion:330 Resp: 233360

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

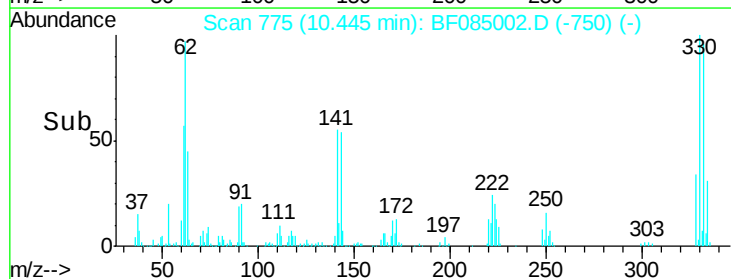
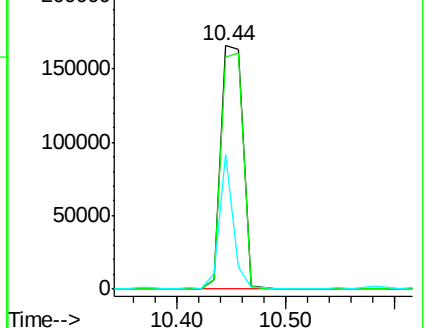
141 34.8 27.8 41.6

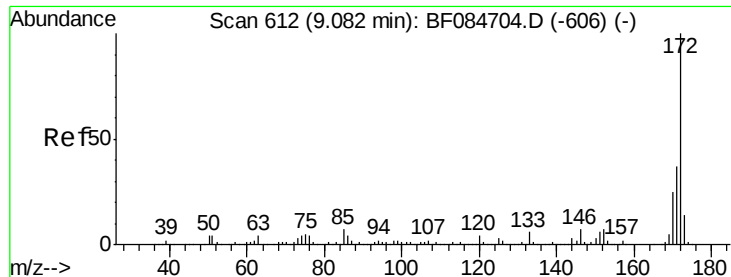


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

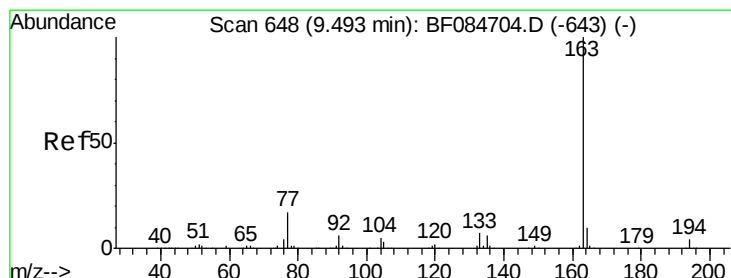
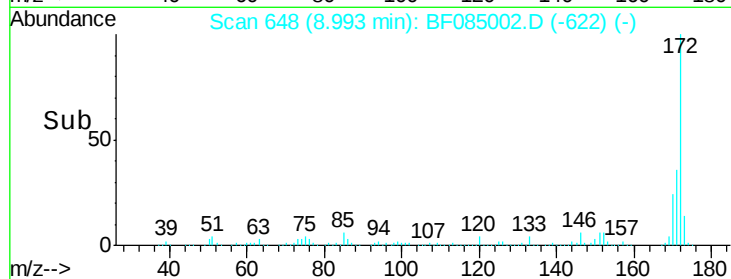
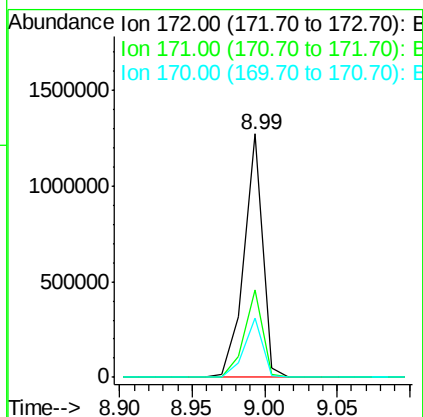
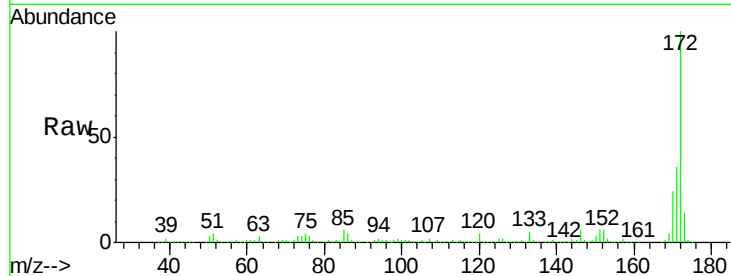




#44
2-Fluorobiphenyl
Concen: 79.86 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

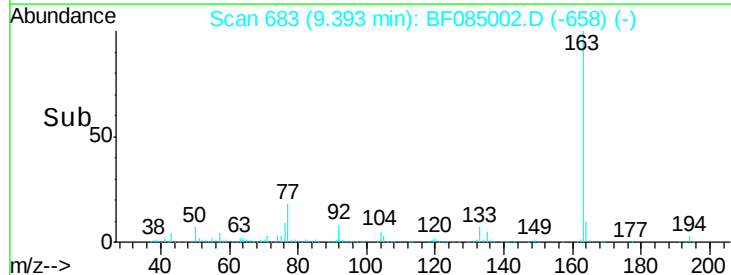
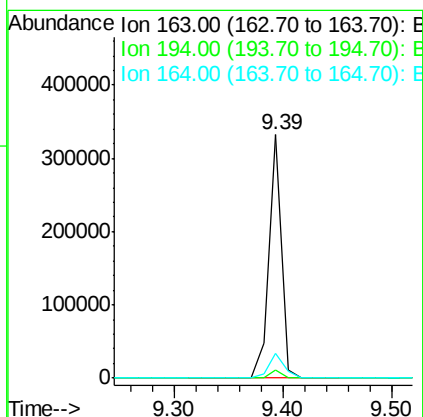
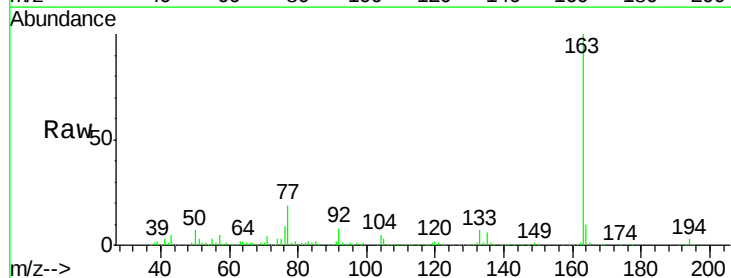
Instrument :
BNA_F
ClientSampleId :
S4-B001(31-33)

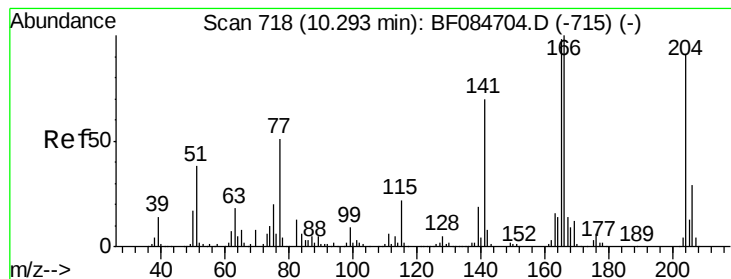
Tgt Ion:172 Resp: 1134059
Ion Ratio Lower Upper
172 100
171 36.2 28.9 43.3
170 24.1 18.6 27.8



#49
Dimethylphthalate
Concen: 15.15 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Tgt Ion:163 Resp: 270439
Ion Ratio Lower Upper
163 100
194 3.3 8.0 12.0#
164 10.2 8.0 12.0





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.02 min Scan# 738

Delta R.T. -0.18 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

ClientSampleId :

S4-B001(31-33)

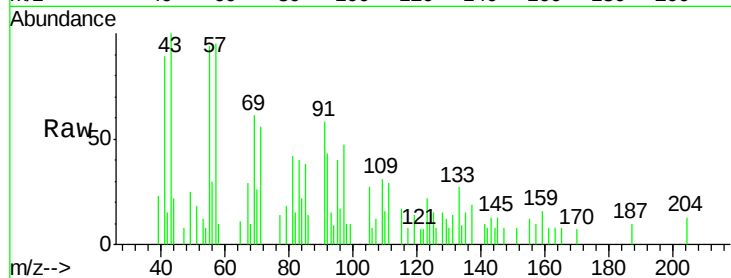
Tgt Ion:204 Resp: 848

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

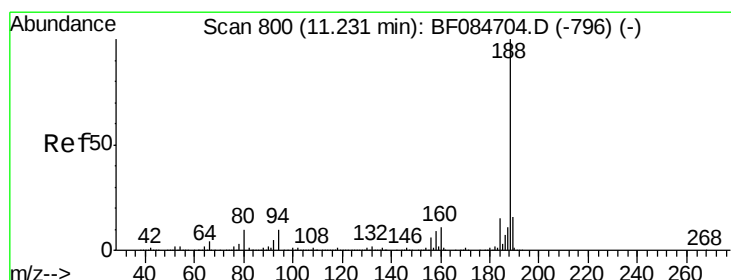
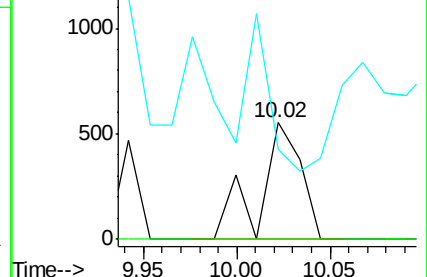
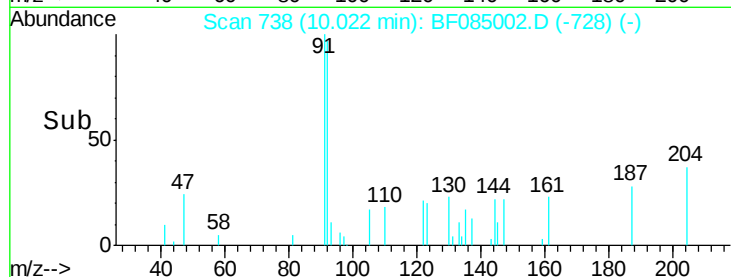
141 77.3 55.1 82.7



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: 11.14 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

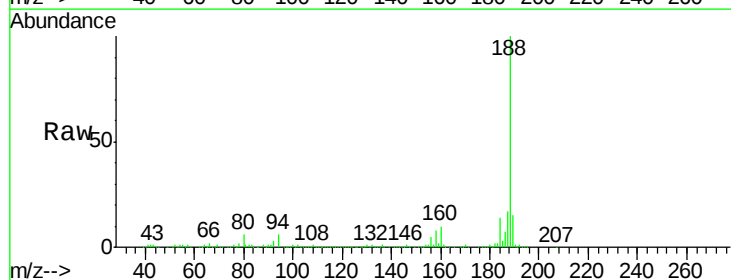
Tgt Ion:188 Resp: 392957

Ion Ratio Lower Upper

188 100

94 6.0 9.0 13.4#

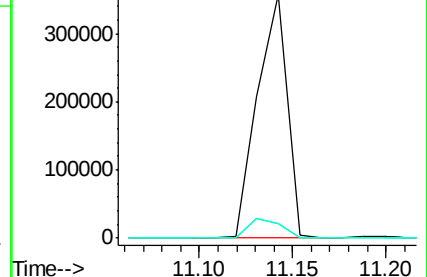
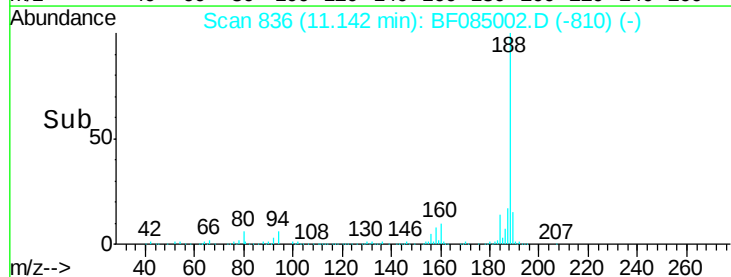
80 5.9 9.6 14.4#

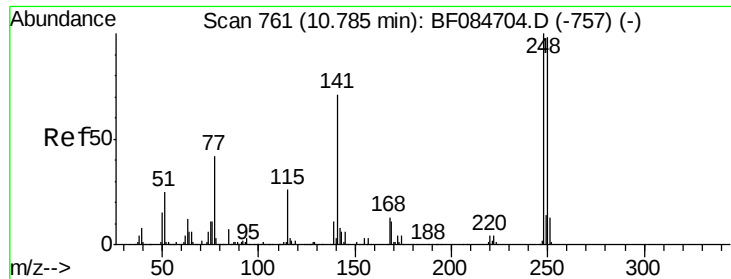


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

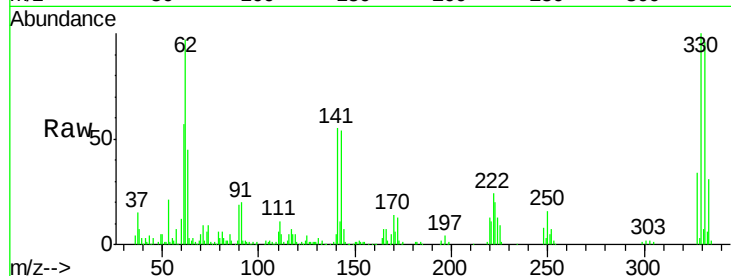




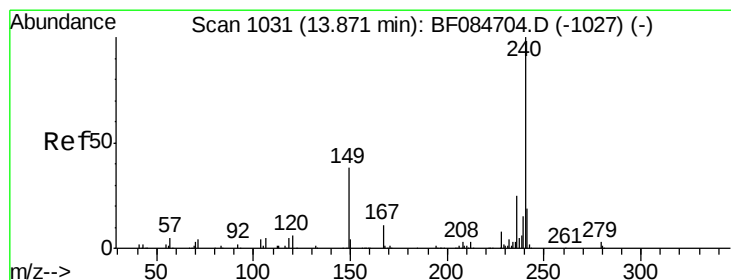
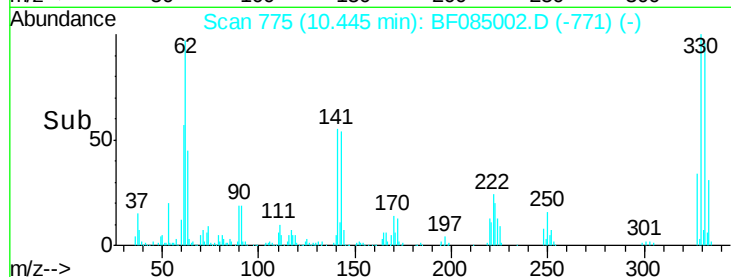
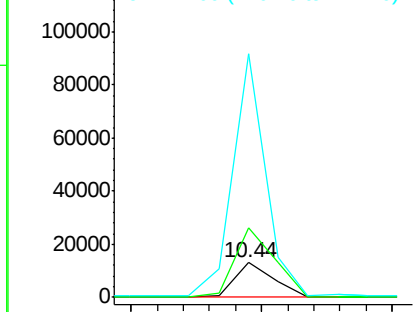
#66
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Instrument :
BNA_F
ClientSampleId :
S4-B001(31-33)

Tgt Ion:248 Resp: 13659
Ion Ratio Lower Upper
248 100
250 198.9 78.4 117.6#
141 702.2 44.0 66.0#

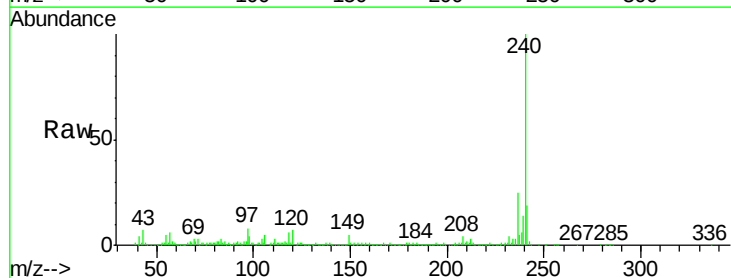


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

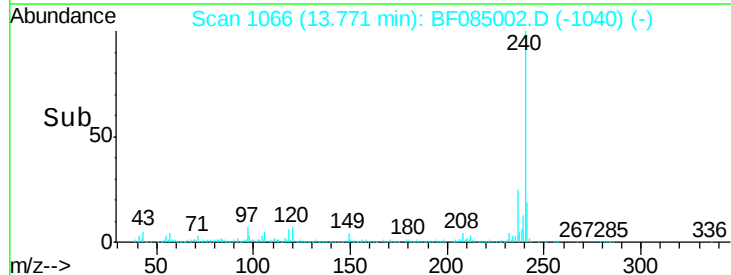
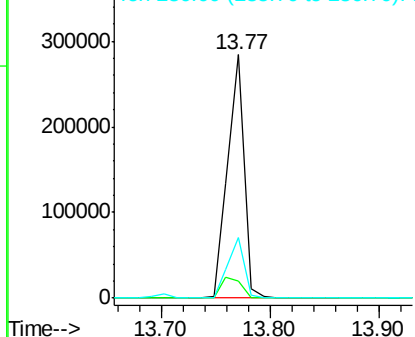


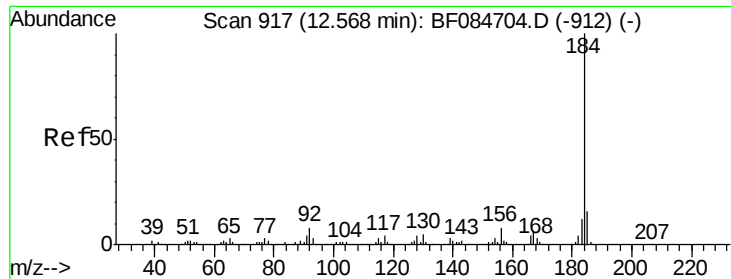
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Tgt Ion:240 Resp: 297894
Ion Ratio Lower Upper
240 100
120 6.9 9.5 14.3#
236 24.7 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: 6.91 ng

RT: 12.53 min Scan# 957

Delta R.T. 0.05 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

Instrument :

BNA_F

ClientSampleId :

S4-B001(31-33)

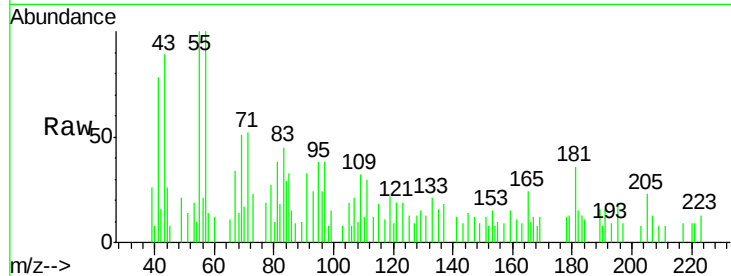
Tgt Ion:184 Resp: 286

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

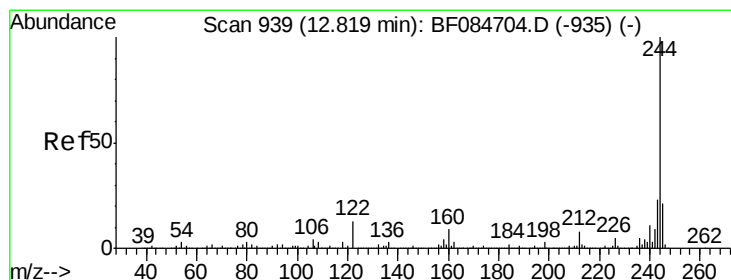
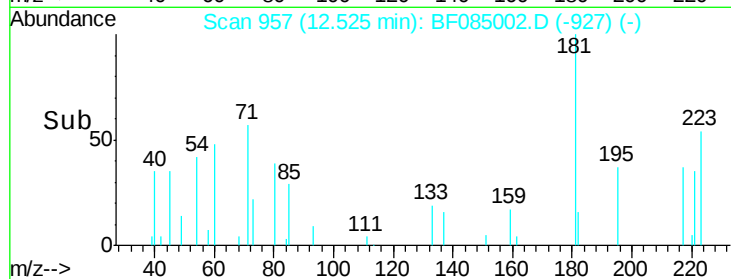
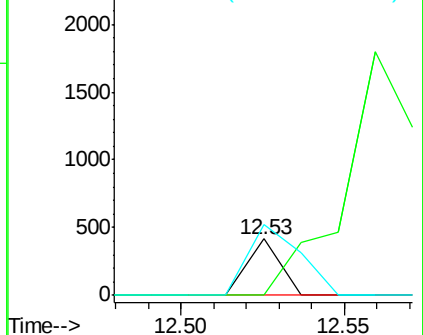
183 125.9 9.8 14.8#



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: 50.18 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF085002.D

Acq: 10 Feb 2016 19:32

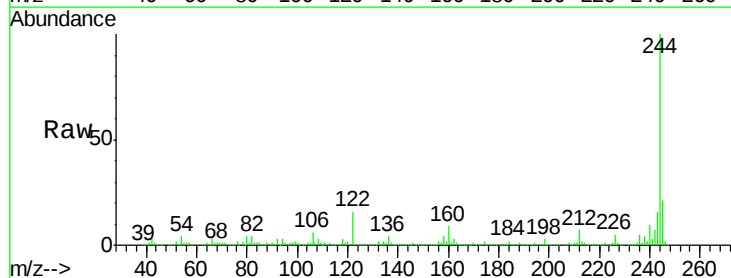
Tgt Ion:244 Resp: 659687

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

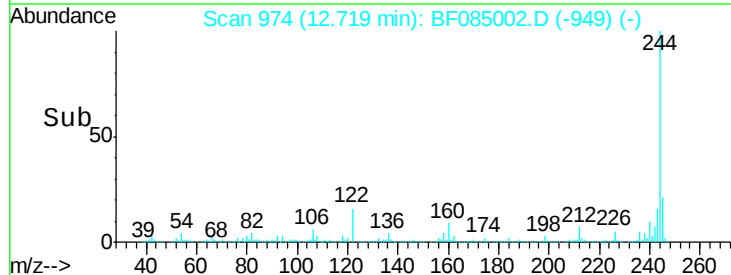
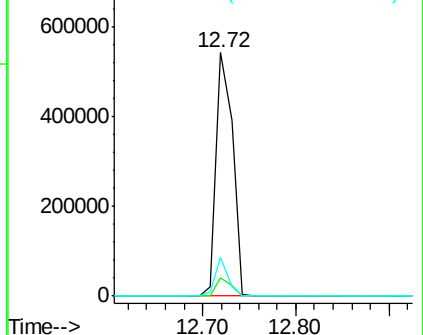
122 15.9 7.4 11.0#

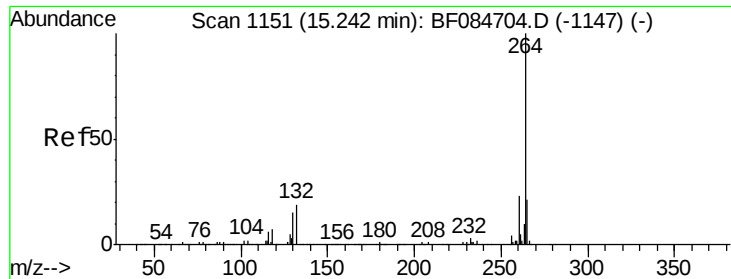


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF085002.D
Acq: 10 Feb 2016 19:32

Instrument :
BNA_F
ClientSampleId :
S4-B001(31-33)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.7	17.8	26.6

