

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084919.D
 Acq On : 6 Feb 2016 18:39
 Operator : SJ/IZ
 Sample : H1338-05
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IW-1

Quant Time: Feb 08 01:24:49 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

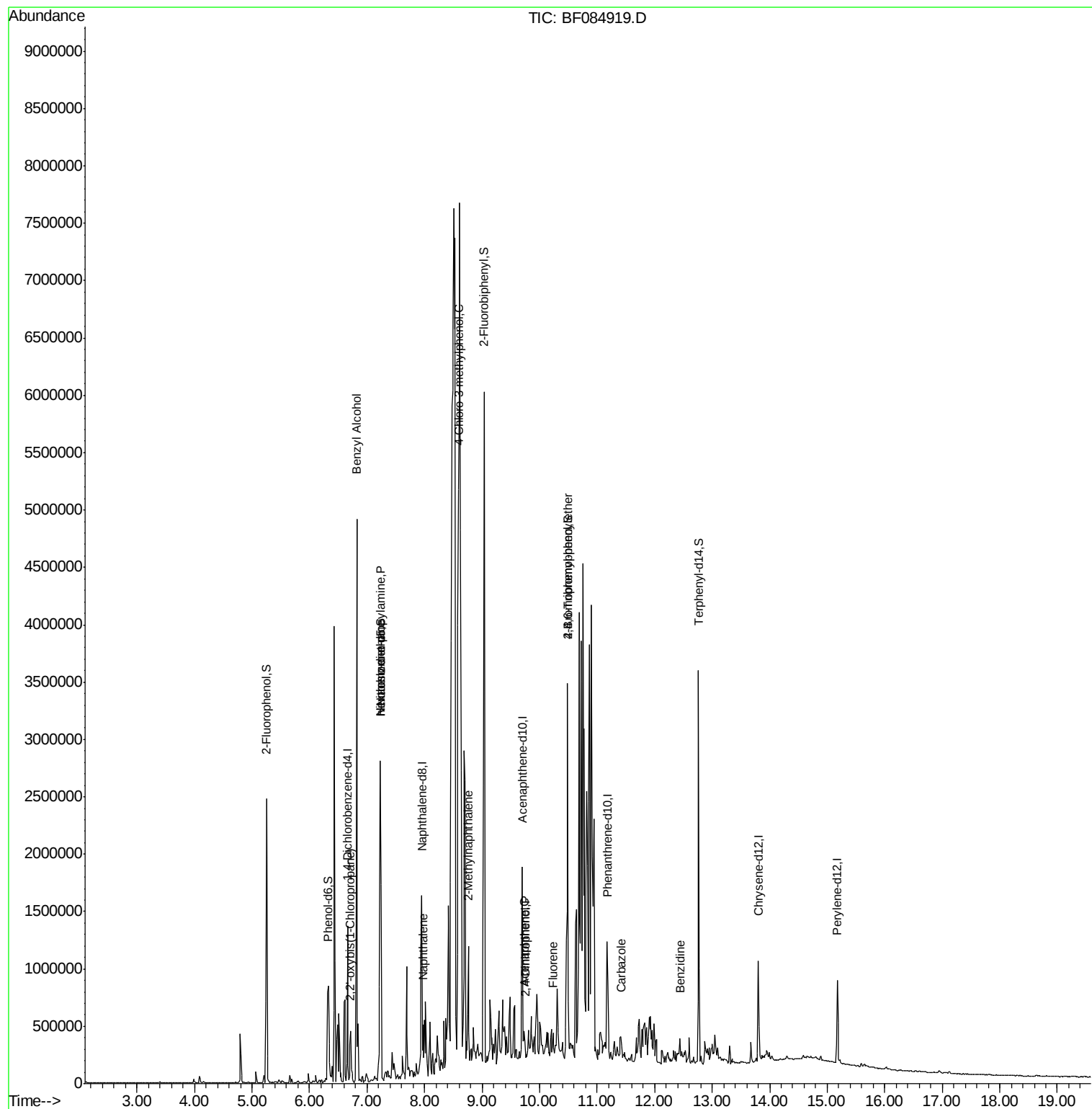
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175157	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	692312	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	317782	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	447869	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	320238	20.00	ng	-0.03
86) Perylene-d12	15.17	264	327837	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	682394	60.68	ng	-0.02
7) Phenol-d6	6.33	99	523674	37.56	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1121774	91.28	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	351463	106.03	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1915933	115.18	ng	-0.02
78) Terphenyl-d14	12.76	244	1076555	76.18	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.82	79	27879	2.90	ng	# 75
16) 2,2'-oxybis(1-Chloropropan	6.70	45	51698	2.52	ng	64
18) Hexachloroethane	7.23	117	138018	26.66	ng	# 4
19) n-Nitroso-di-n-propylamine	7.23	70	152938	17.50	ng	# 72
31) Naphthalene	7.97	128	111645	3.21	ng	# 84
36) 4-Chloro-3-methylphenol	8.59	107	22791	2.07	ng	# 29
37) 2-Methylnaphthalene	8.76	142	203474	9.36	ng	96
51) Acenaphthene	9.73	154	45949	2.23	ng	93
53) 2,4-Dinitrophenol	9.74	184	864	6.13	ng	# 1
57) Fluorene	10.24	166	46618	2.21	ng	# 94
60) 4-Chlorophenyl-phenylether	10.22	204	219	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.49	248	21812	4.41	ng	# 1
72) Carbazole	11.41	167	46446	2.13	ng	98
76) Benzdine	12.44	184	949	6.95	ng	# 1

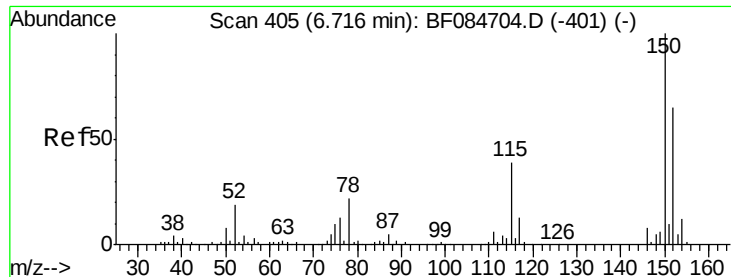
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
Data File : BF084919.D
Acq On : 6 Feb 2016 18:39
Operator : SJ/IZ
Sample : H1338-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IW-1

Quant Time: Feb 08 01:24:49 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampleId :

IW-1

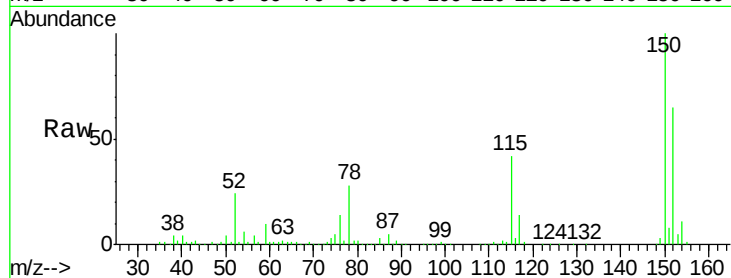
Tgt Ion:152 Resp: 175157

Ion Ratio Lower Upper

152 100

150 153.5 123.0 184.4

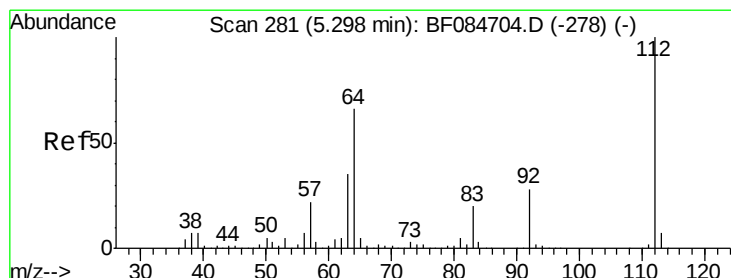
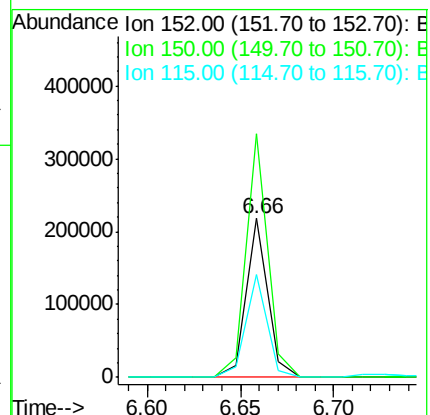
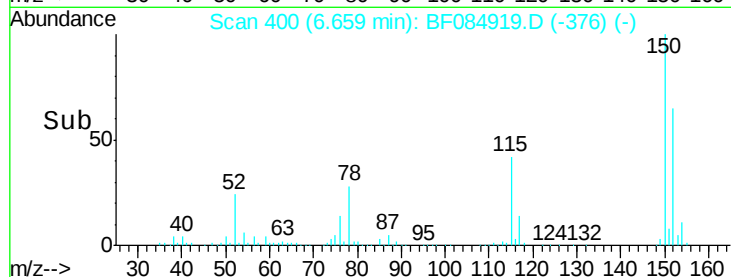
115 64.5 51.4 77.2



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: 60.68 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

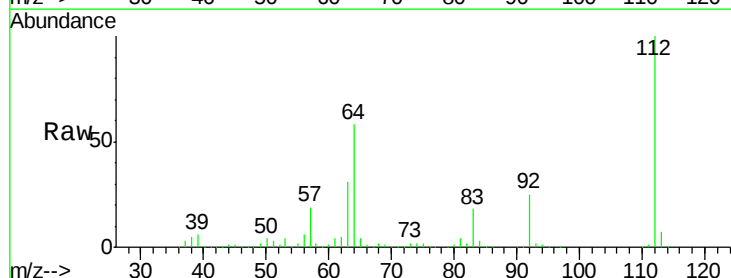
Tgt Ion:112 Resp: 682394

Ion Ratio Lower Upper

112 100

64 58.3 36.6 55.0#

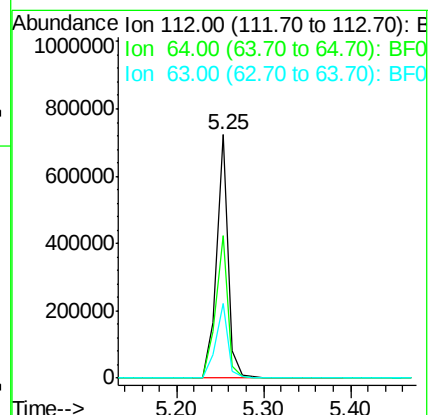
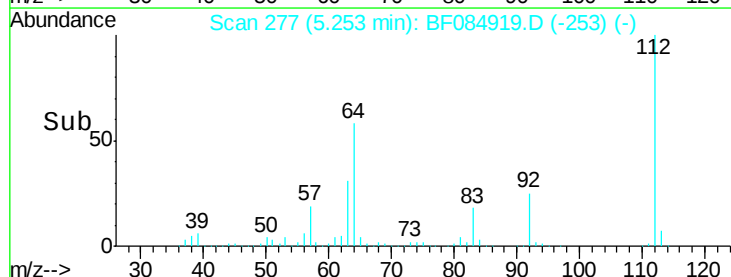
63 30.7 19.4 29.0#

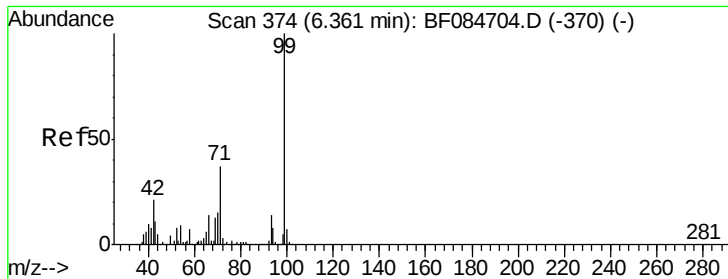


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.56 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampleId :

IW-1

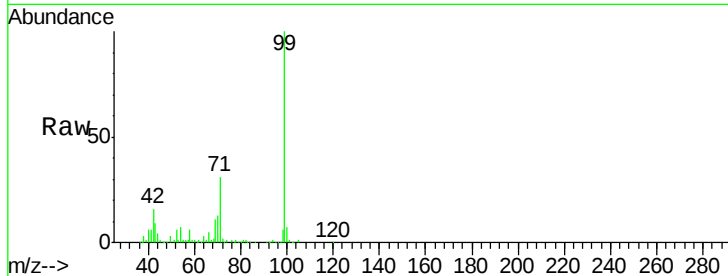
Tgt Ion: 99 Resp: 523674

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

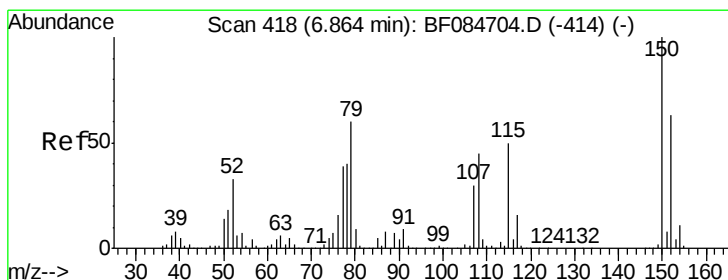
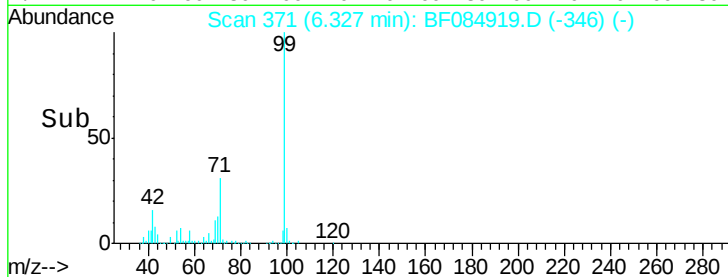
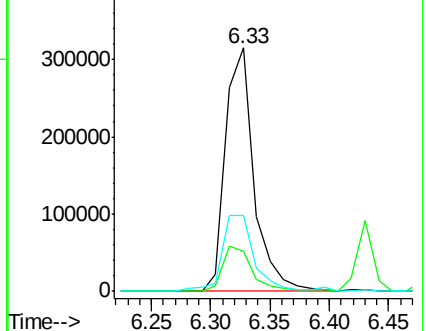
71 31.1 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.90 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

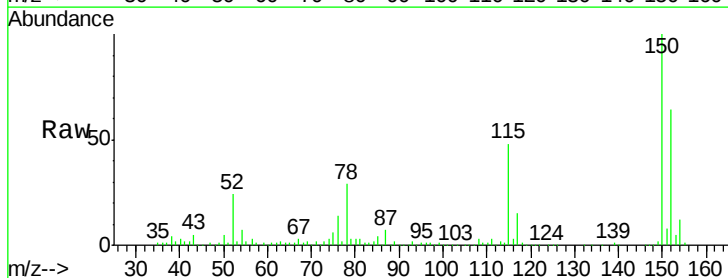
Tgt Ion: 79 Resp: 27879

Ion Ratio Lower Upper

79 100

108 103.4 69.0 103.4

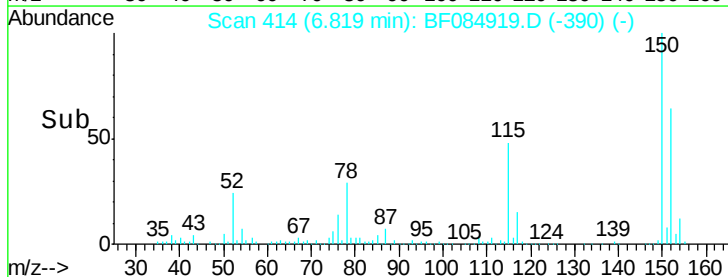
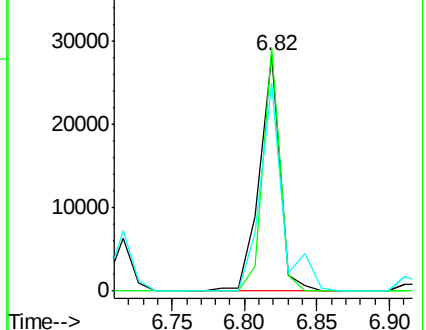
77 88.3 50.0 75.0#

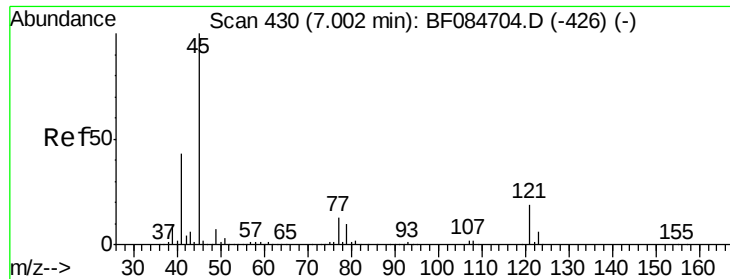


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

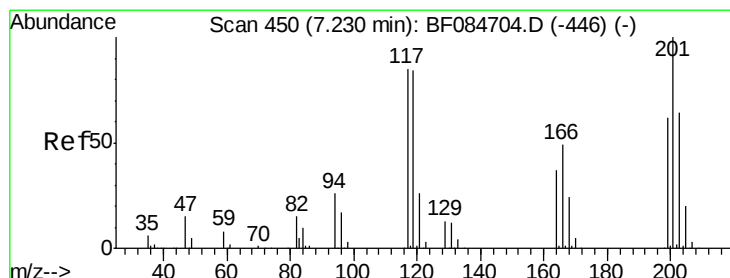
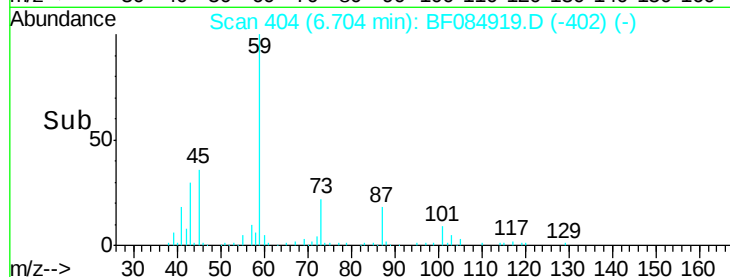
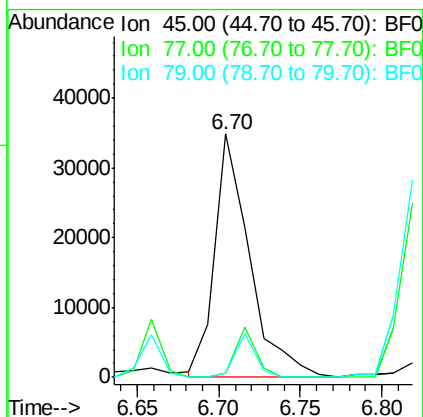
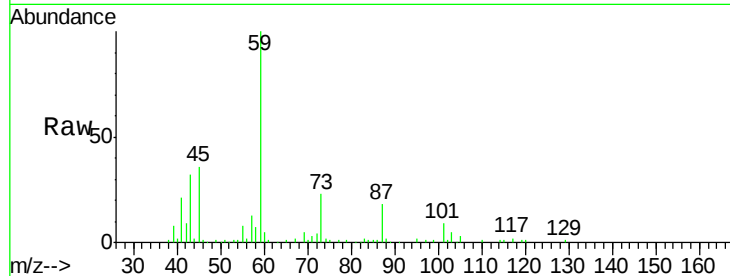




#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.52 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.27 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

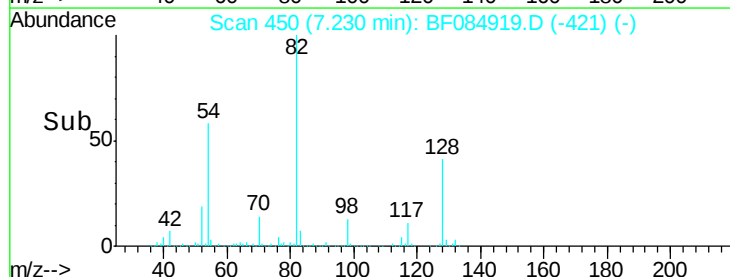
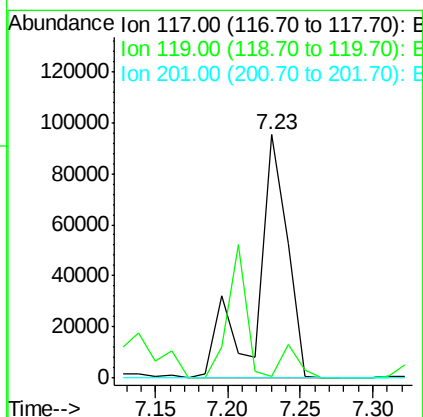
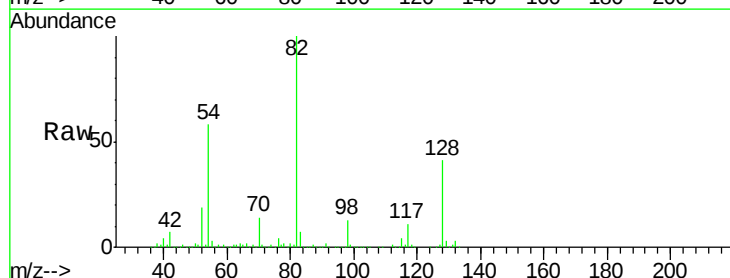
Instrument :
BNA_F
ClientSampleId :
IW-1

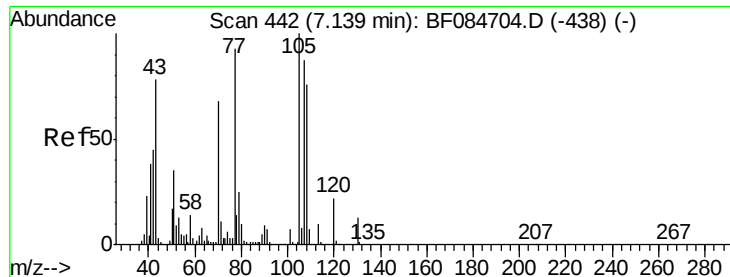
Tgt Ion	Ratio	Lower	Upper
45	100		
77	1.6	0.0	39.6
79	1.8	0.0	35.0



#18
Hexachloroethane
Concen: 26.66 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.03 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.7	77.4	116.0#
201	0.0	68.6	103.0#

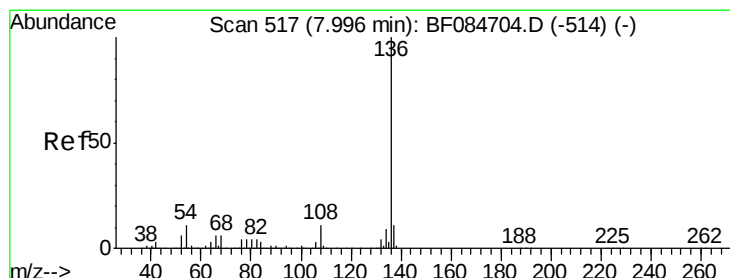
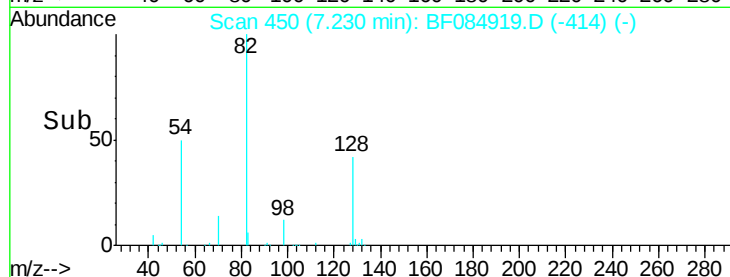
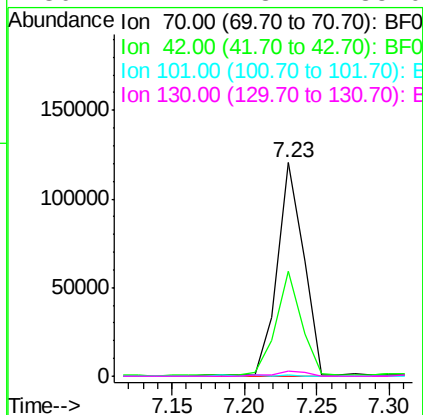
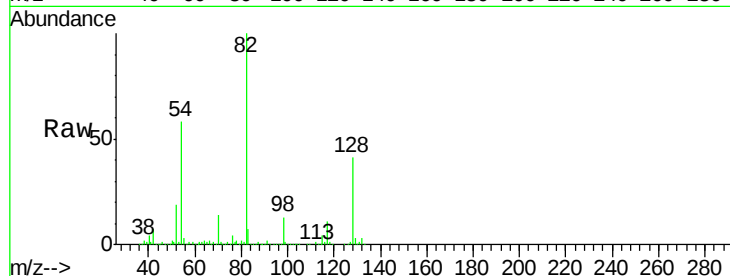




#19
n-Nitroso-di-n-propylamine
Concen: 17.50 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.11 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

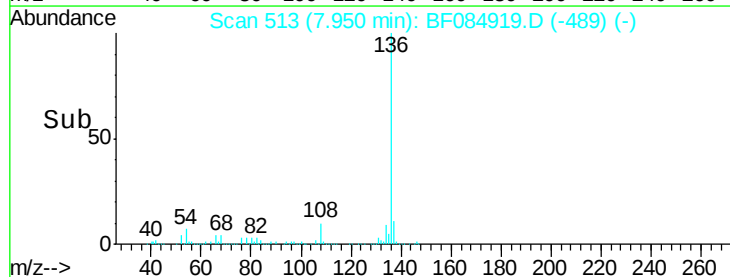
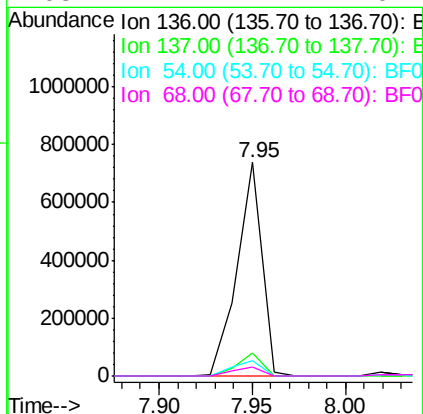
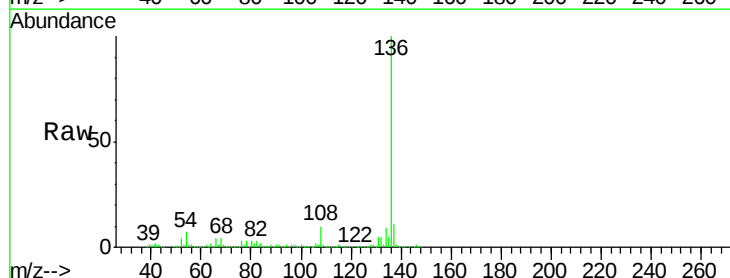
Instrument :
BNA_F
ClientSampleId :
IW-1

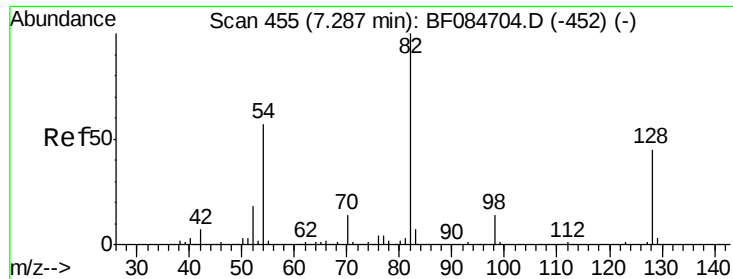
Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.2	33.3	49.9
101	0.4	9.3	13.9#
130	2.7	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.1	5.8	8.8
68	4.1	4.2	6.2#

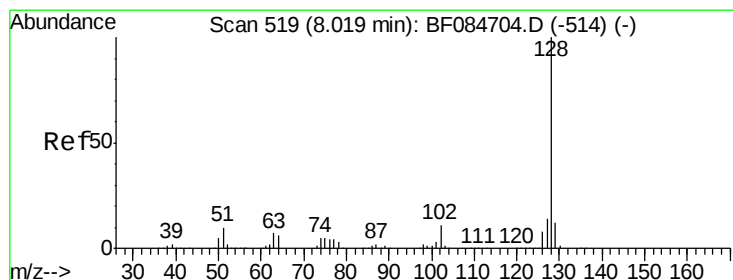
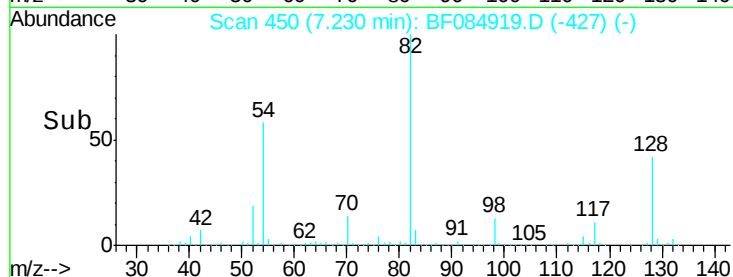
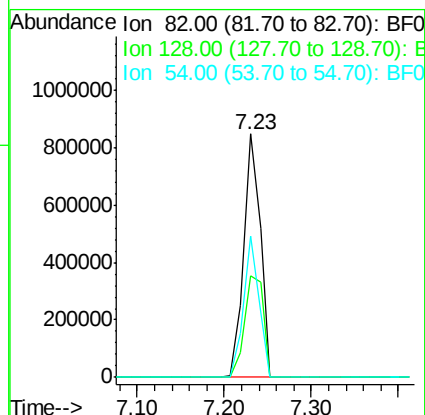
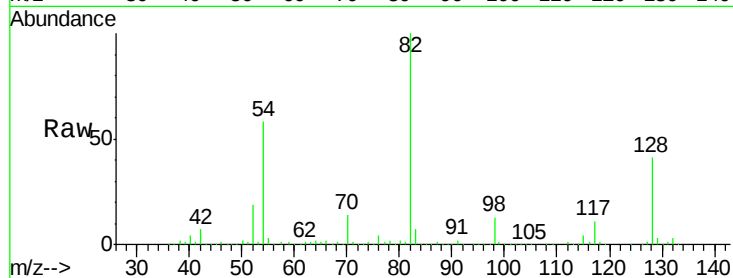




#23
 Nitrobenzene-d5
 Concen: 91.28 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

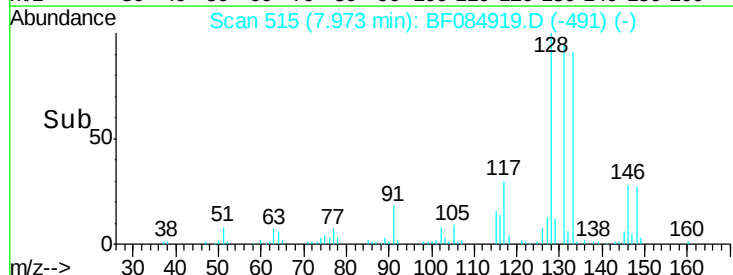
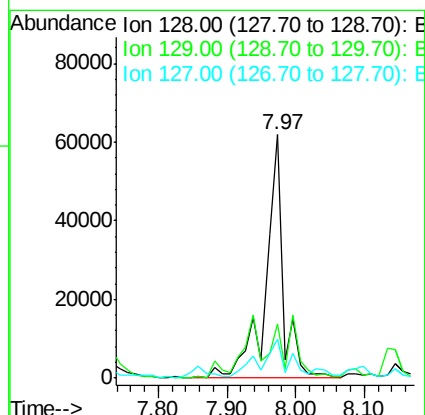
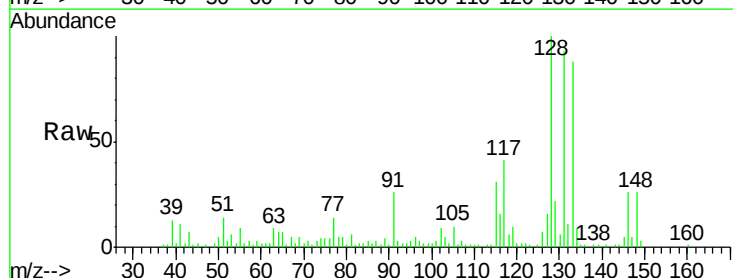
Instrument :
 BNA_F
 ClientSampleId :
 IW-1

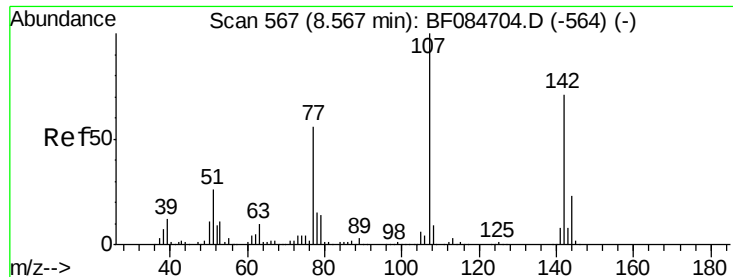
Tgt Ion: 82 Resp: 1121774
 Ion Ratio Lower Upper
 82 100
 128 41.5 34.6 51.8
 54 57.9 38.4 57.6#



#31
 Naphthalene
 Concen: 3.21 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.02 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

Tgt Ion: 128 Resp: 111645
 Ion Ratio Lower Upper
 128 100
 129 22.4 9.1 13.7#
 127 16.1 11.1 16.7

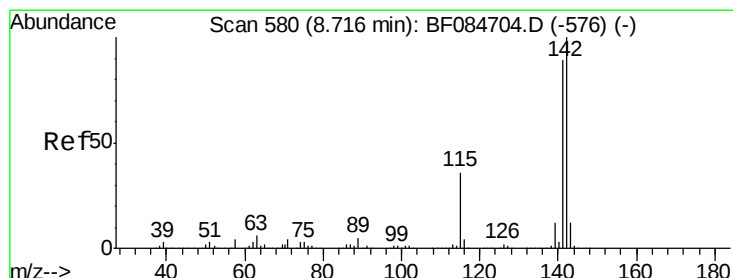
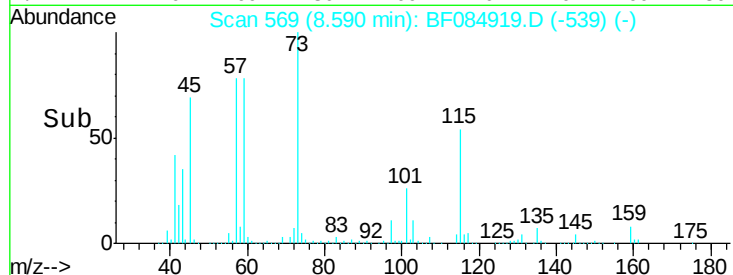
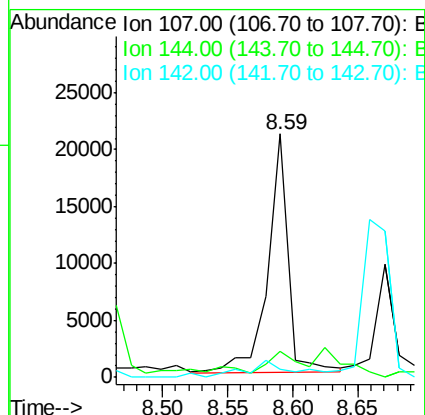
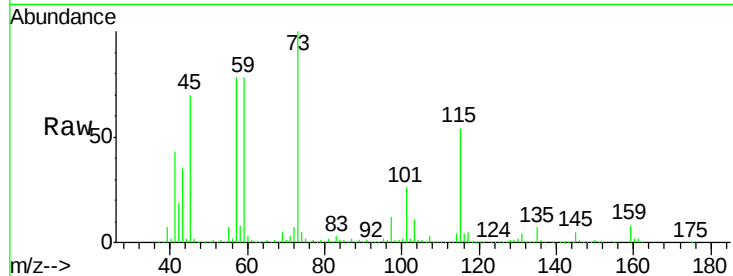




#36
 4-Chloro-3-methylphenol
 Concen: 2.07 ng
 RT: 8.59 min Scan# 569
 Delta R.T. 0.05 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

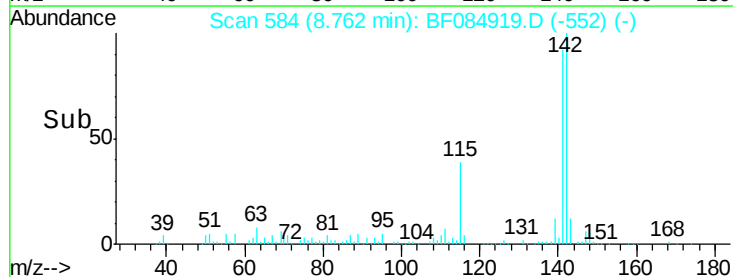
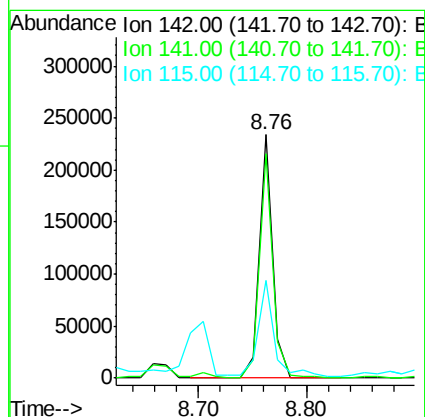
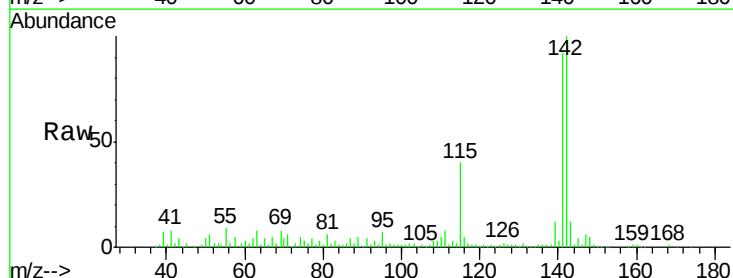
Instrument :
 BNA_F
 ClientSampleId :
 IW-1

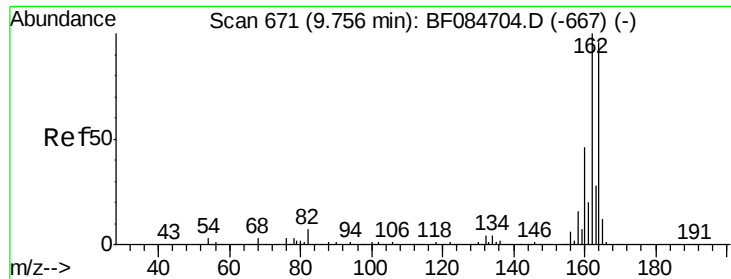
Tgt Ion:107 Resp: 22791
 Ion Ratio Lower Upper
 107 100
 144 10.8 19.7 29.5#
 142 3.5 61.8 92.6#



#37
 2-Methylnaphthalene
 Concen: 9.36 ng
 RT: 8.76 min Scan# 584
 Delta R.T. 0.07 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

Tgt Ion:142 Resp: 203474
 Ion Ratio Lower Upper
 142 100
 141 92.3 72.4 108.6
 115 40.0 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampleId :

IW-1

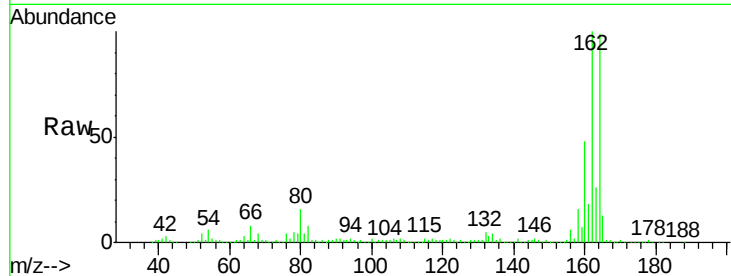
Tgt Ion:164 Resp: 317782

Ion Ratio Lower Upper

164 100

162 101.4 85.1 127.7

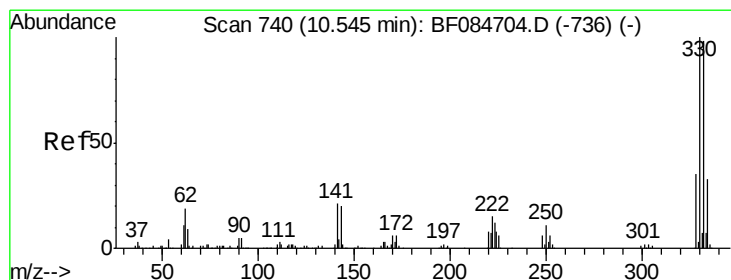
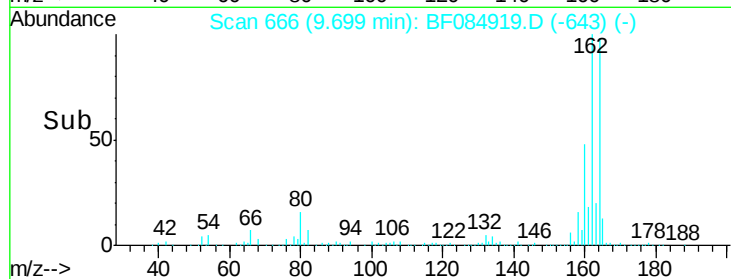
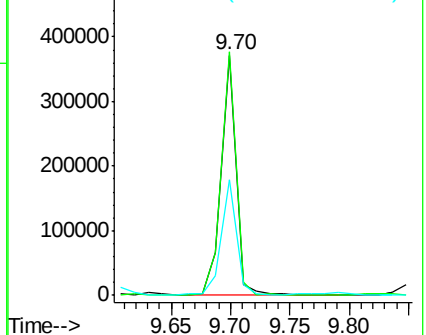
160 48.2 37.5 56.3



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: 106.03 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

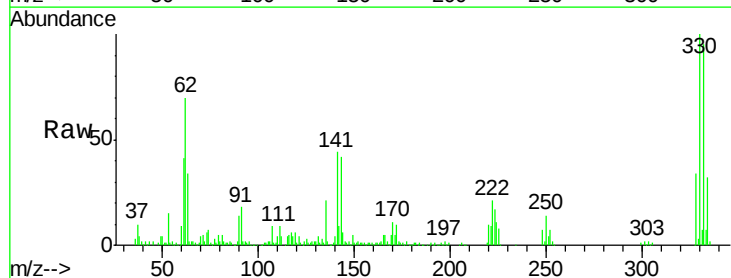
Tgt Ion:330 Resp: 351463

Ion Ratio Lower Upper

330 100

332 94.7 76.6 114.8

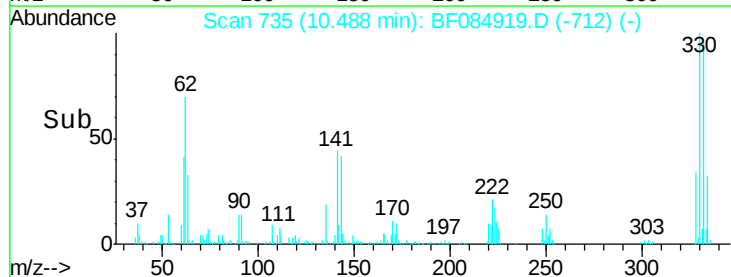
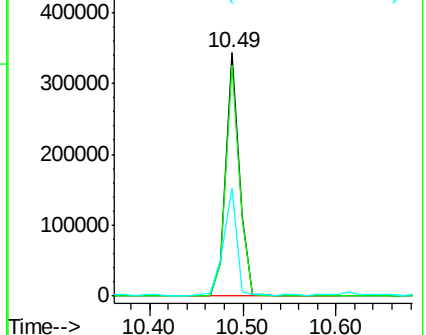
141 40.8 27.8 41.6

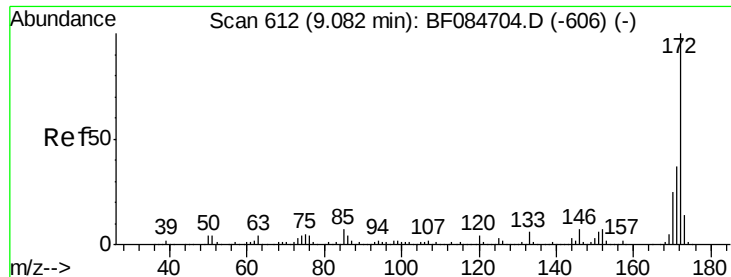


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

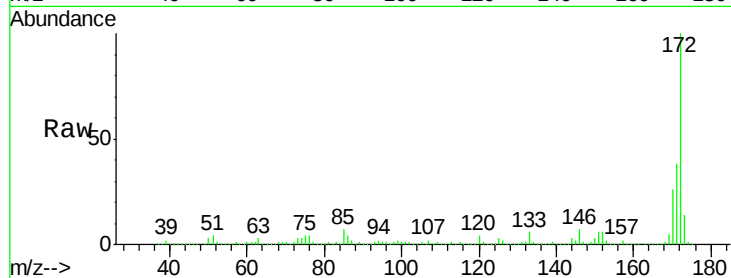




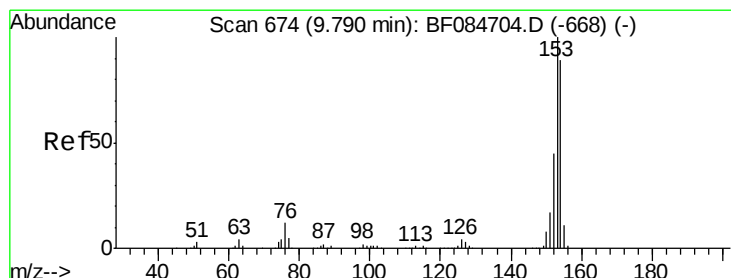
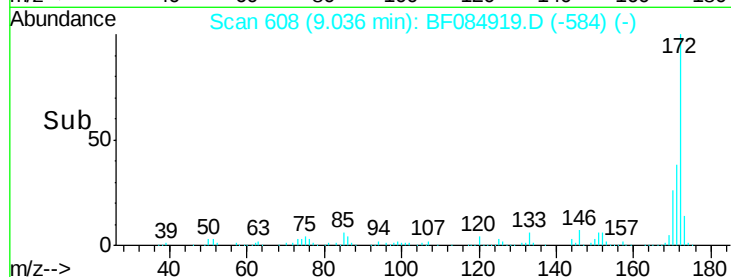
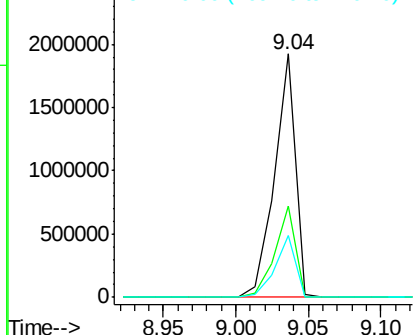
#44
 2-Fluorobiphenyl
 Concen: 115.18 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

Instrument :
 BNA_F
 ClientSampled :
 IW-1

Tgt Ion:172 Resp: 1915933
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.9 43.3
 170 25.6 18.6 27.8

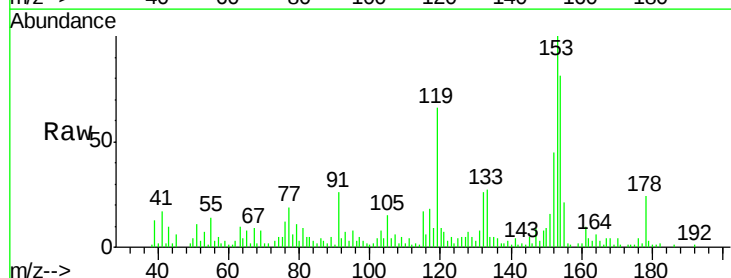


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

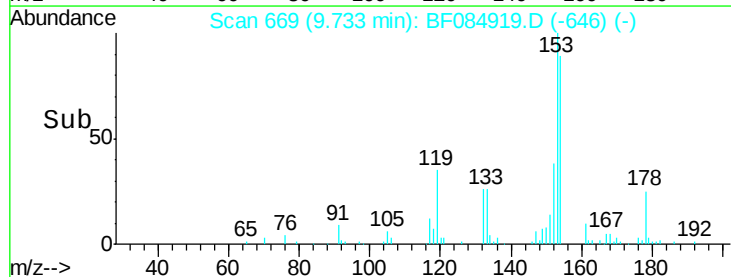
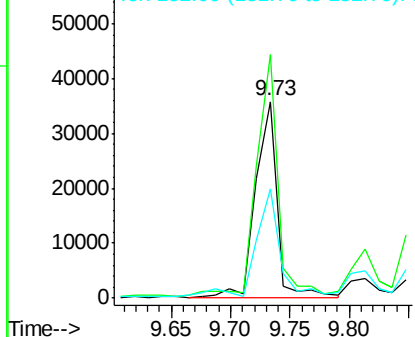


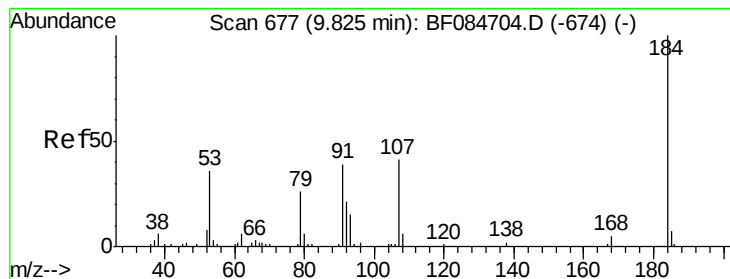
#51
 Acenaphthene
 Concen: 2.23 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF084919.D
 Acq: 6 Feb 2016 18:39

Tgt Ion:154 Resp: 45949
 Ion Ratio Lower Upper
 154 100
 153 124.0 91.5 137.3
 152 56.0 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 6.13 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.06 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampled :

IW-1

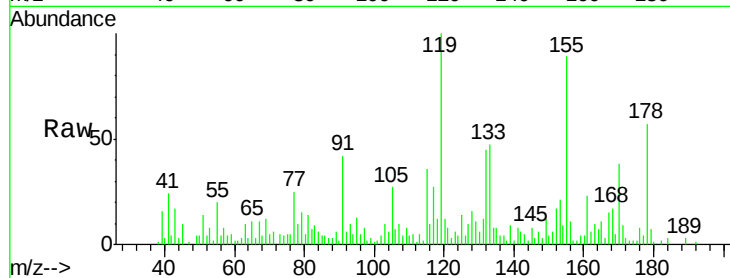
Tgt Ion:184 Resp: 864

Ion Ratio Lower Upper

184 100

63 305.1 43.1 64.7#

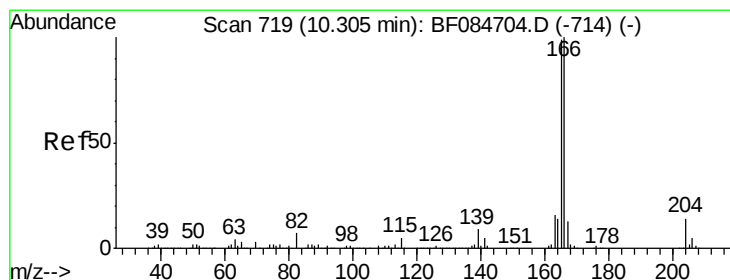
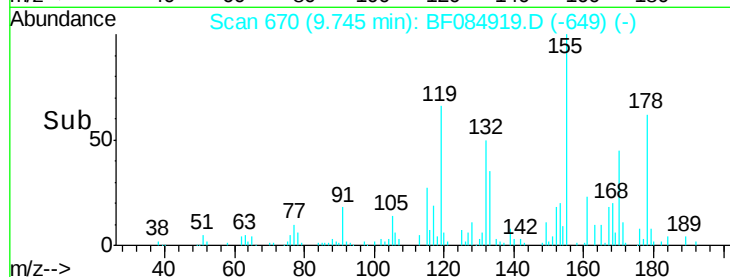
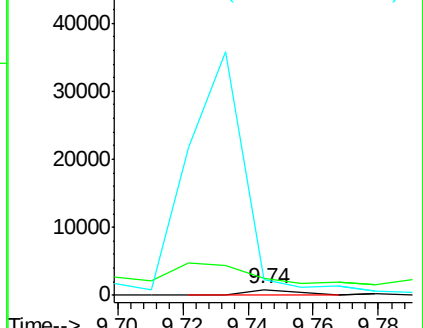
154 270.4 60.5 90.7#



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



#57

Fluorene

Concen: 2.21 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

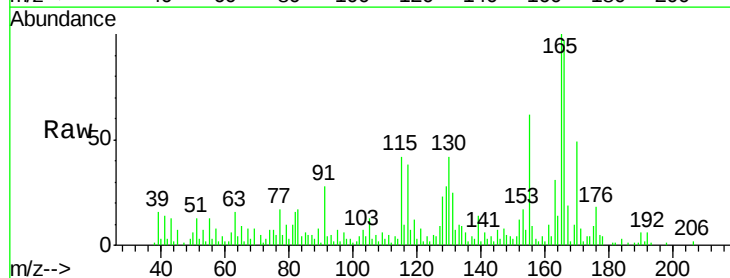
Tgt Ion:166 Resp: 46618

Ion Ratio Lower Upper

166 100

165 102.9 79.1 118.7

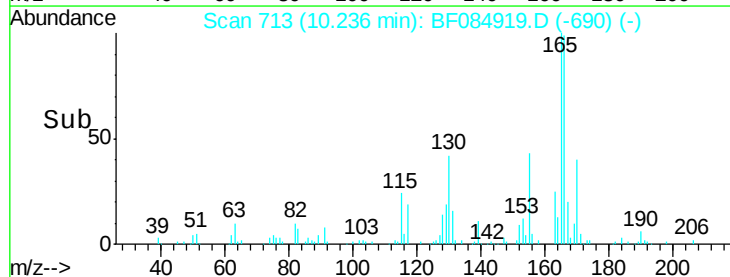
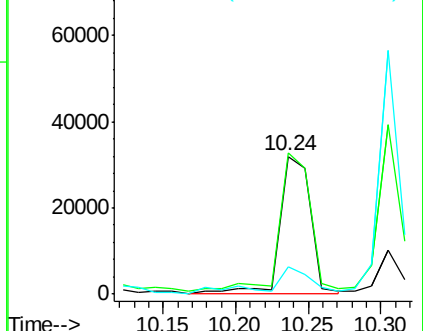
167 20.0 10.4 15.6#

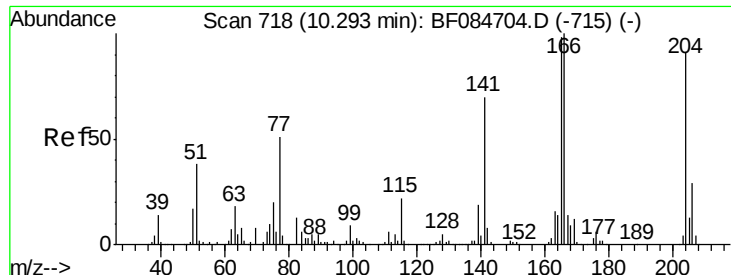


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

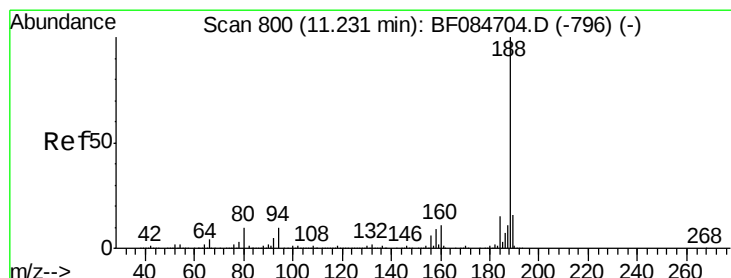
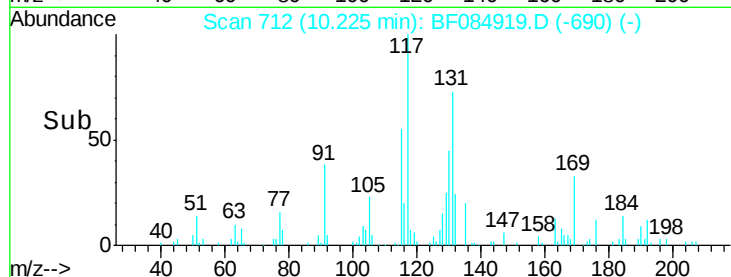
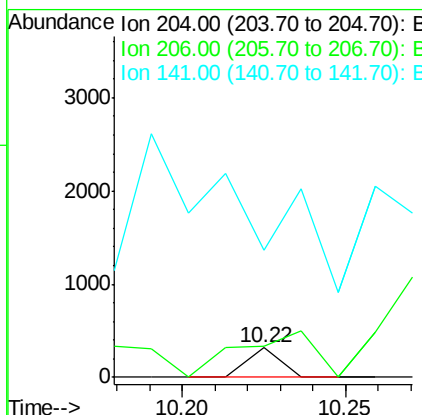
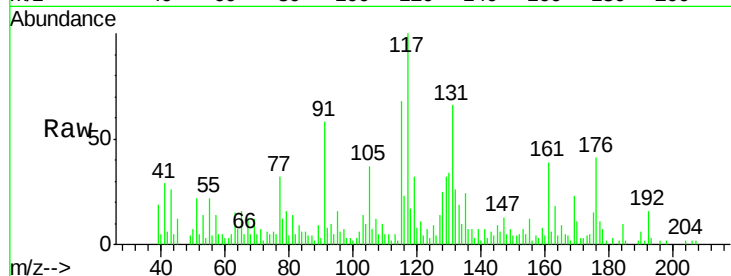




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.22 min Scan# 712
Delta R.T. -0.05 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

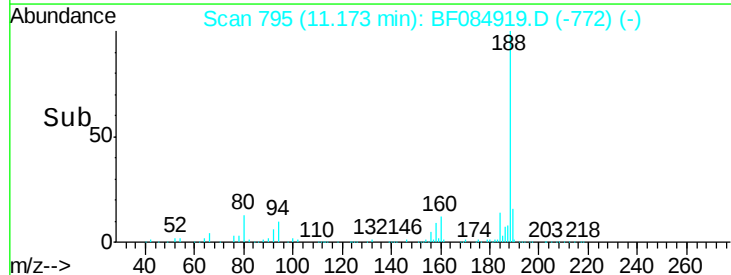
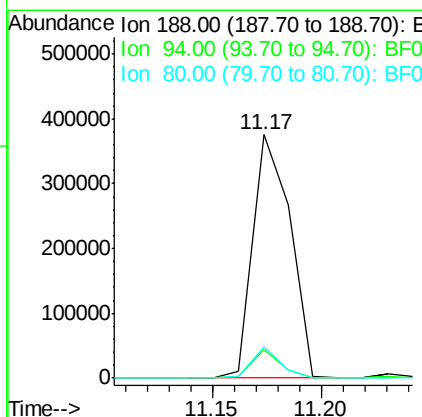
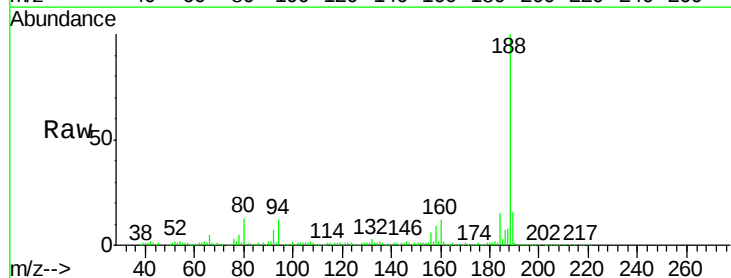
Instrument :
BNA_F
ClientSampleId :
IW-1

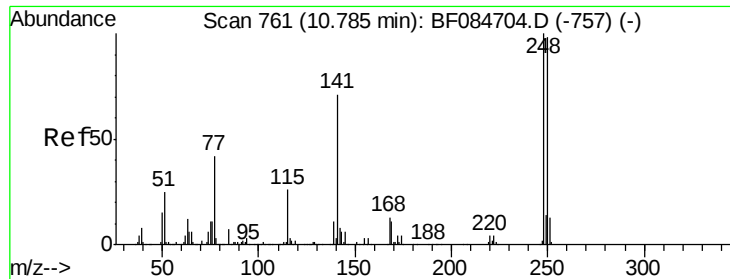
Tgt Ion: 204 Resp: 219
Ion Ratio Lower Upper
204 100
206 106.6 25.7 38.5#
141 429.5 55.1 82.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

Tgt Ion: 188 Resp: 447869
Ion Ratio Lower Upper
188 100
94 11.7 9.0 13.4
80 13.0 9.6 14.4

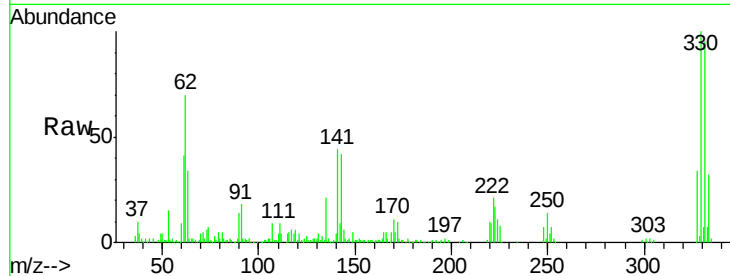




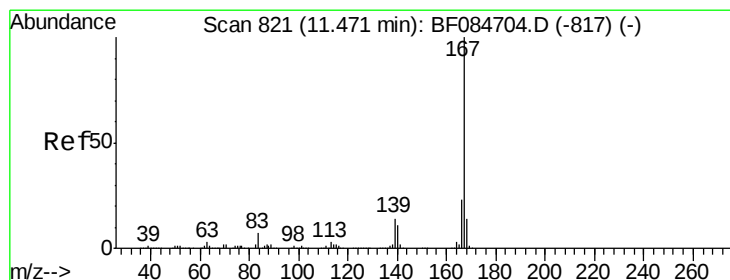
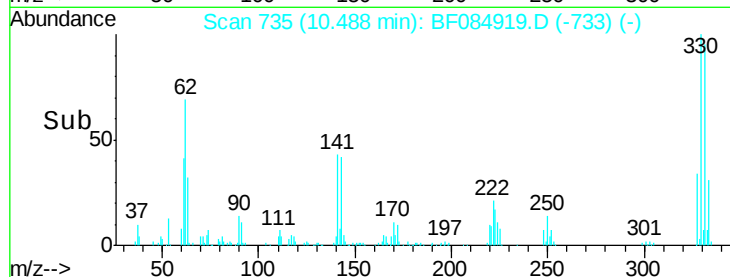
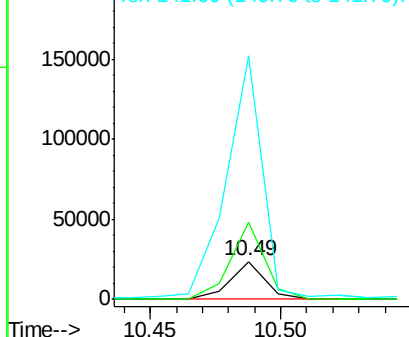
#66
4-Bromophenyl-phenylether
Concen: 4.41 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

Instrument :
BNA_F
ClientSampleId :
IW-1

Tgt Ion:248 Resp: 21812
Ion Ratio Lower Upper
248 100
250 204.8 78.4 117.6#
141 645.5 44.0 66.0#

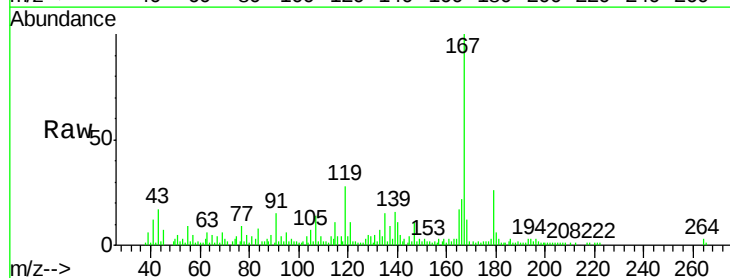


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

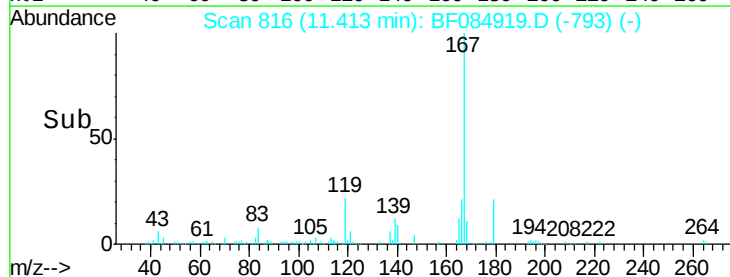
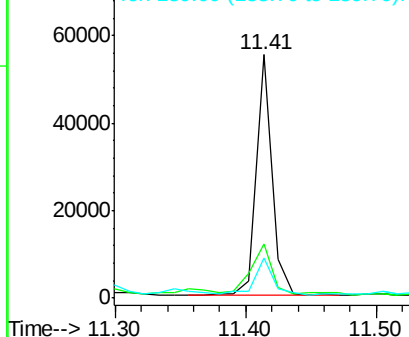


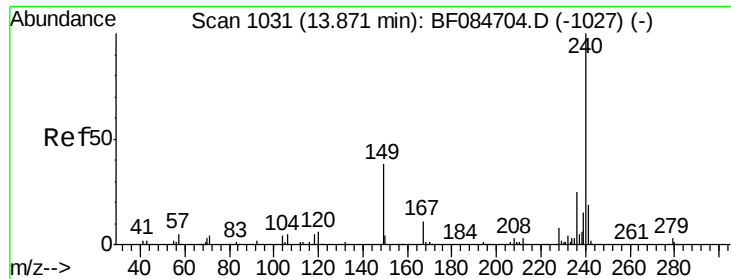
#72
Carbazole
Concen: 2.13 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.03 min
Lab File: BF084919.D
Acq: 6 Feb 2016 18:39

Tgt Ion:167 Resp: 46446
Ion Ratio Lower Upper
167 100
166 22.3 17.6 26.4
139 16.2 11.8 17.8



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampleId :

IW-1

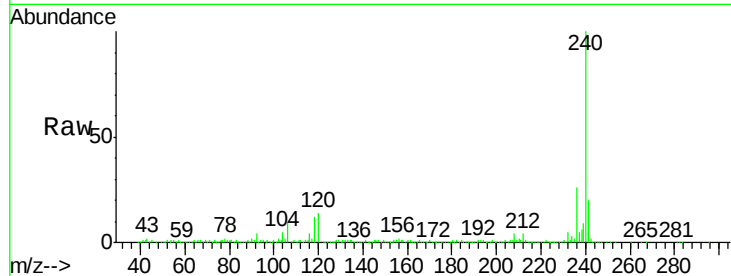
Tgt Ion:240 Resp: 320238

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

236 26.1 20.6 31.0

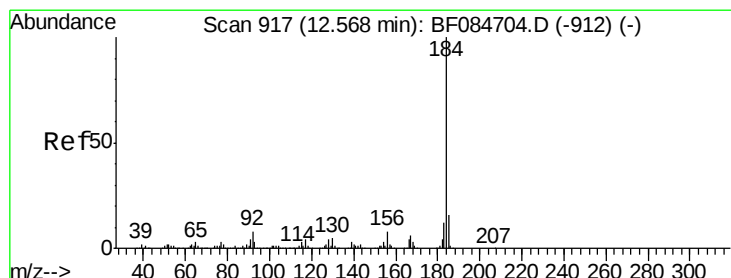
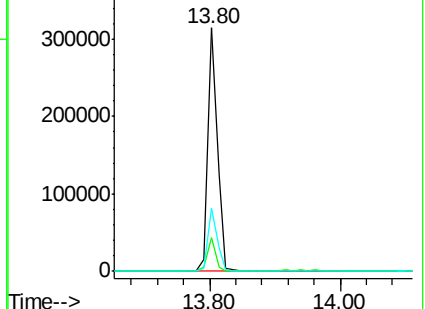
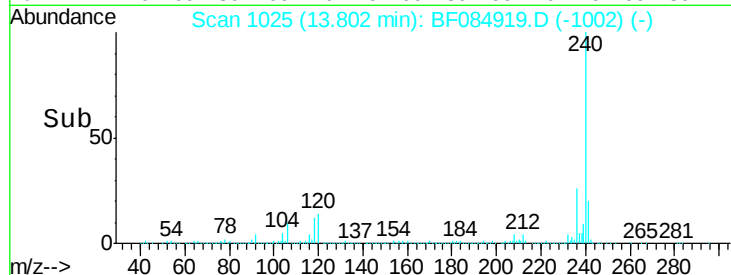


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



#76

Benzidine

Concen: 6.95 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.10 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

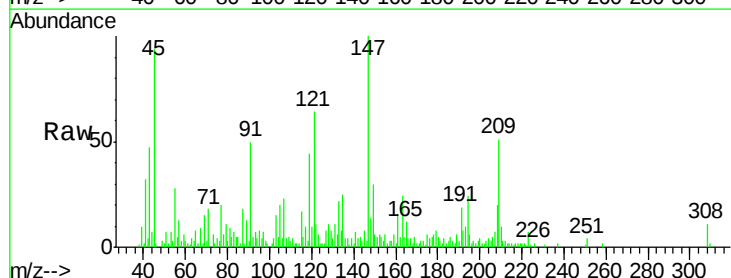
Tgt Ion:184 Resp: 949

Ion Ratio Lower Upper

184 100

185 103.4 12.2 18.2#

183 161.9 9.8 14.8#

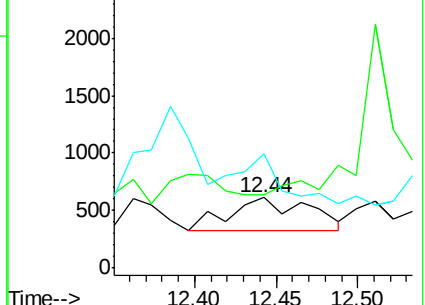
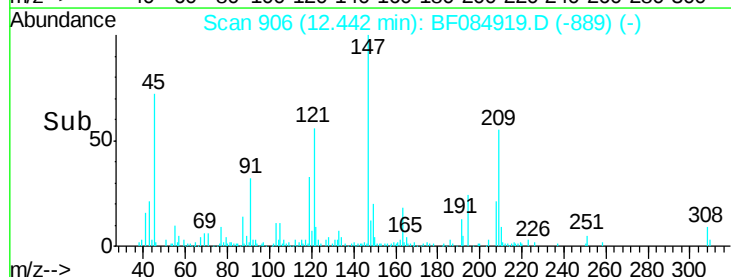


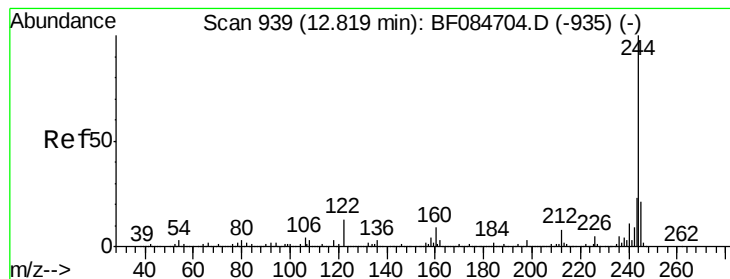
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

Time-->





#78

Terphenyl-d14

Concen: 76.18 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084919.D

Acq: 6 Feb 2016 18:39

Instrument :

BNA_F

ClientSampleId :

IW-1

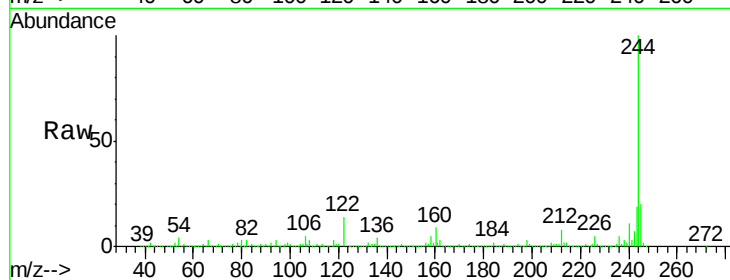
Tgt Ion:244 Resp: 1076555

Ion Ratio Lower Upper

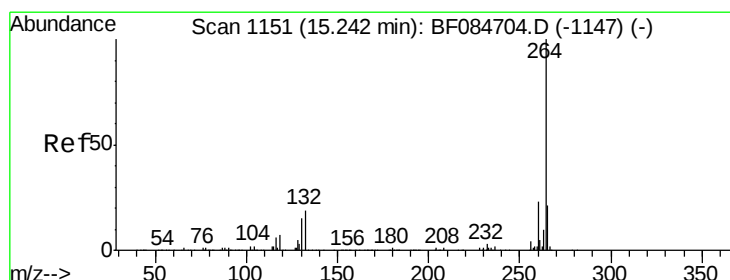
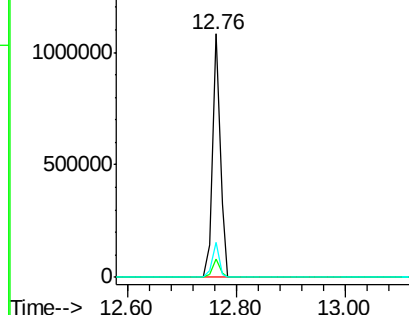
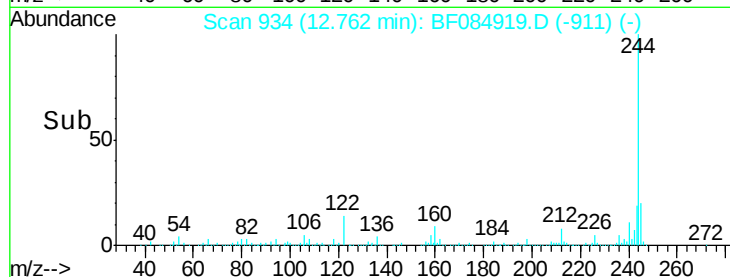
244 100

212 7.8 5.7 8.5

122 14.4 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: BF084919.D

Acq: 6 Feb 2016 18:39

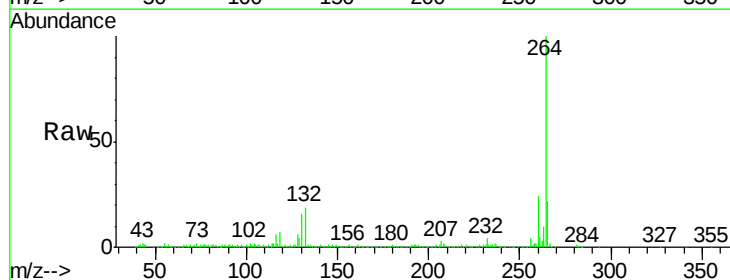
Tgt Ion:264 Resp: 327837

Ion Ratio Lower Upper

264 100

260 24.2 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

