

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081549.D
 Acq On : 9 Sep 2015 6:44
 Operator : UM/IZ
 Sample : G3585-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-51.5-54

Quant Time: Sep 09 07:29:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 15:49:53 2015
 Response via : Initial Calibration

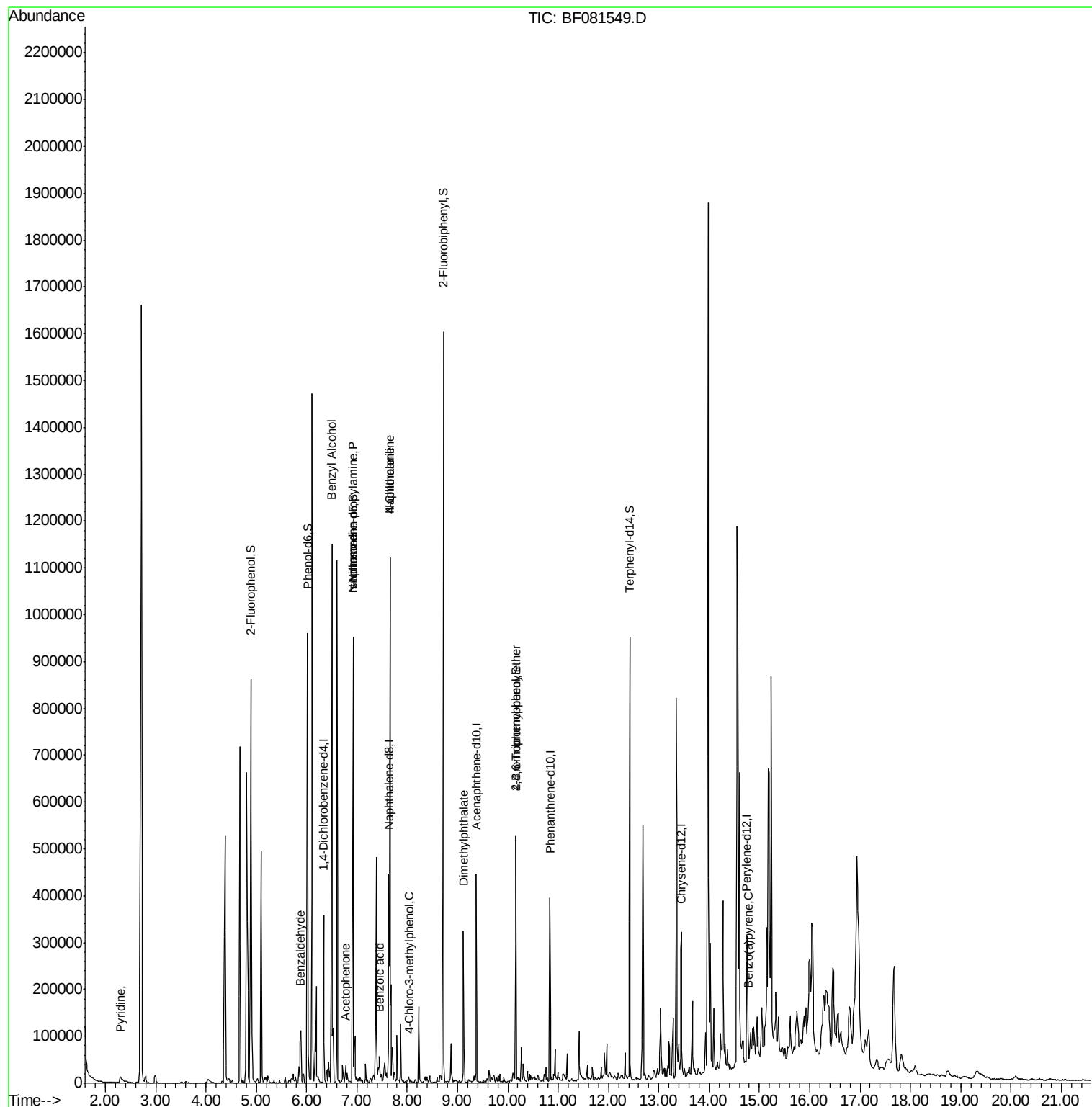
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	46751	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	181251	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	82251	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	144539	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	99126	20.00	ng	-0.01
86) Perylene-d12	14.75	264	89086	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	297099	98.60	ng	0.01
7) Phenol-d6	6.02	99	451257	113.14	ng	0.00
23) Nitrobenzene-d5	6.92	82	298871	79.56	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	60416	82.49	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	468221	72.95	ng	0.00
78) Terphenyl-d14	12.42	244	294002	69.04	ng	0.00
Target Compounds						
3) Pyridine	2.30	79	14546	3.90	ng	# 80
9) Benzaldehyde	5.88	77	30074	12.03	ng	# 75
15) Benzyl Alcohol	6.50	79	7191	2.20	ng	# 31
19) n-Nitroso-di-n-propylamine	6.92	70	42329	15.59	ng	# 63
22) Acetophenone	6.78	105	10403	2.10	ng	# 74
25) Isophorone	6.92	82	225916	32.33	ng	# 58
31) Naphthalene	7.66	128	434080	44.91	ng	# 98
32) Benzoic acid	7.45	122	1245	3.10	ng	# 1
33) 4-Chloroaniline	7.66	127	57379	14.55	ng	# 34
36) 4-Chloro-3-methylphenol	8.03	107	8304	2.91	ng	# 12
49) Dimethylphthalate	9.12	163	113004	17.68	ng	# 97
66) 4-Bromophenyl-phenvlether	10.16	248	4470	3.06	ng	# 1
89) Benzo(a)pyrene	14.78	252	19588	3.63	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

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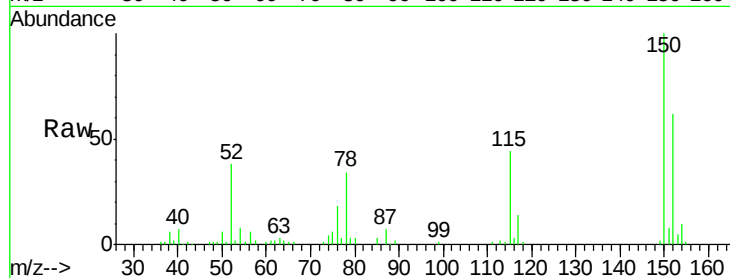
Tot Ion:152 Resp: 46751

Ion Ratio Lower Upper

152 100

150 160.5 124.7 187.1

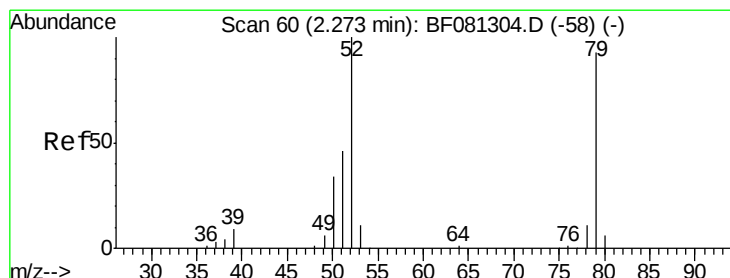
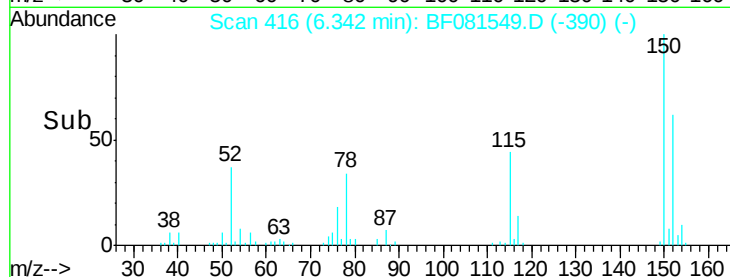
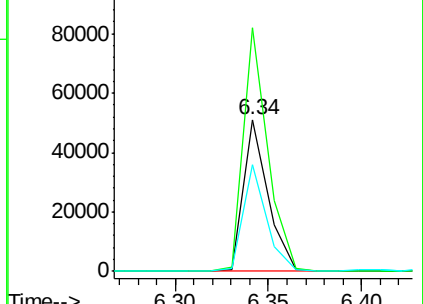
115 70.4 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 3.90 ng

RT: 2.30 min Scan# 62

Delta R.T. 0.10 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

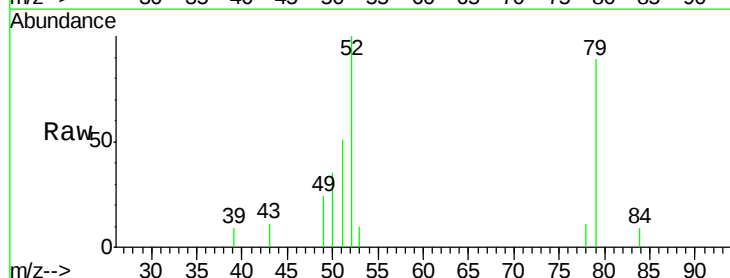
Tgt Ion: 79 Resp: 14546

Ion Ratio Lower Upper

79 100

52 112.8 76.8 115.2

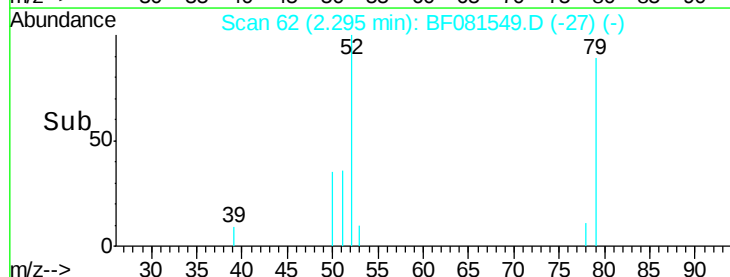
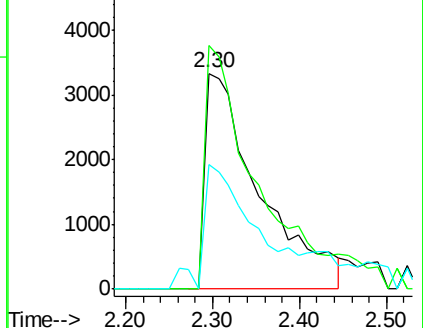
51 57.7 32.2 48.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 98.60 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

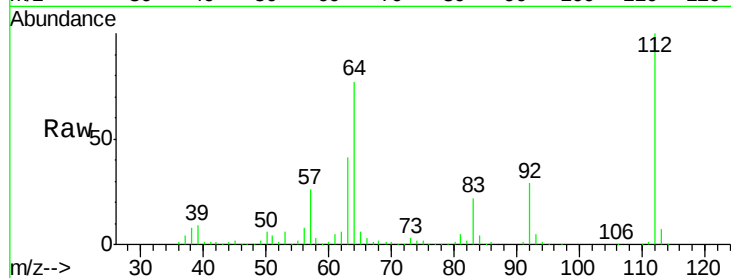
Tot Ion:112 Resp: 297099

Ion Ratio Lower Upper

112 100

64 76.6 39.7 59.5#

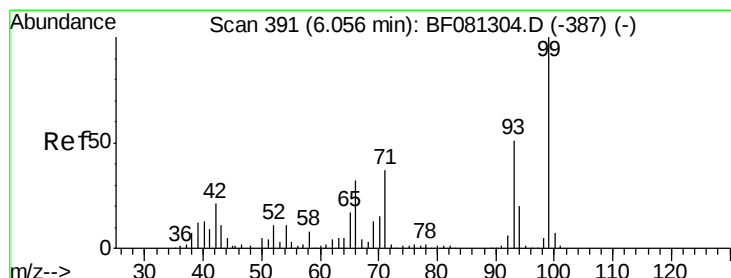
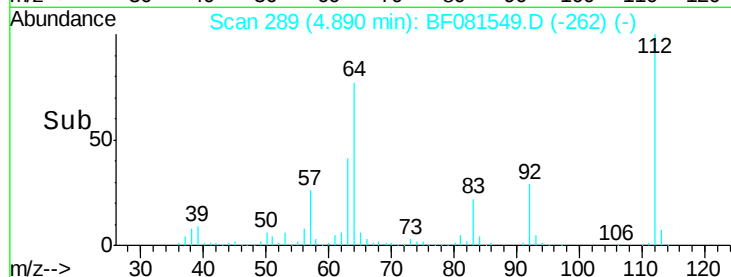
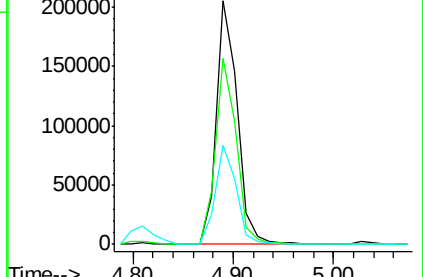
63 40.5 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 113.14 ng

RT: 6.02 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

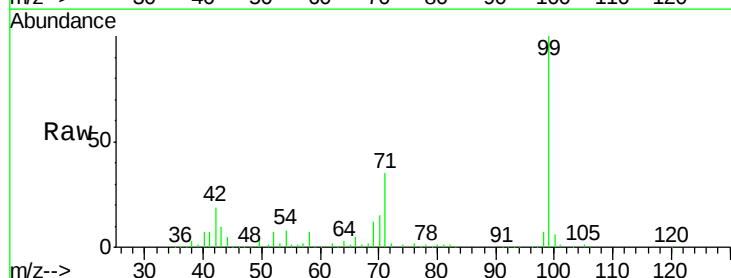
Tgt Ion: 99 Resp: 451257

Ion Ratio Lower Upper

99 100

42 19.3 13.7 20.5

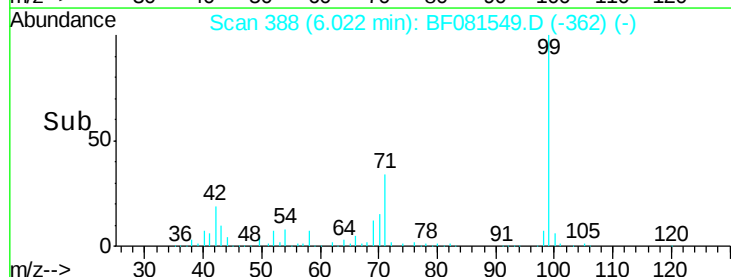
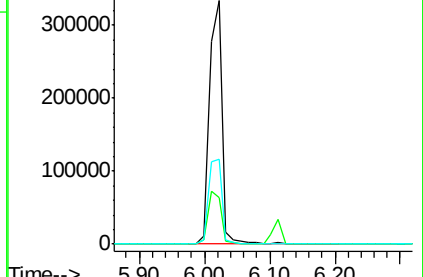
71 34.8 14.2 21.2#

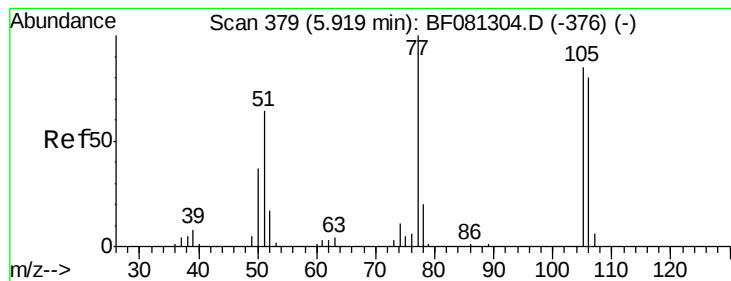


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 12.03 ng

RT: 5.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

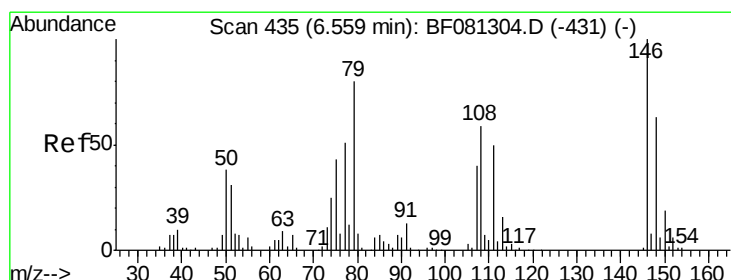
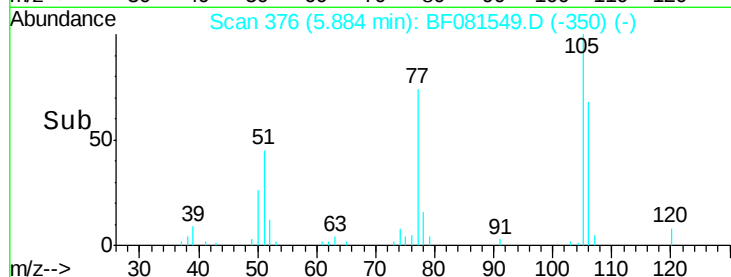
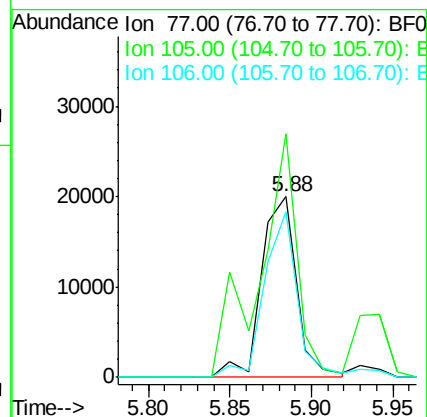
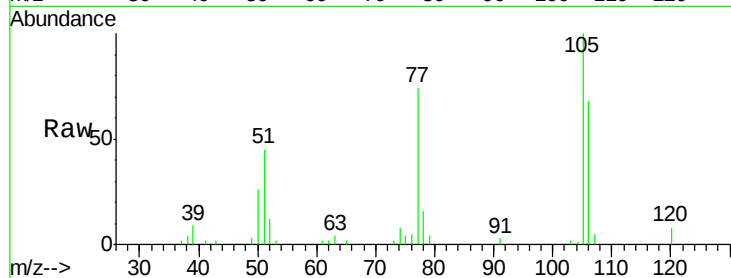
Tot Ion: 77 Resp: 30074

Ion Ratio Lower Upper

77 100

105 134.9 91.6 131.6#

106 91.7 102.6 142.6#



#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

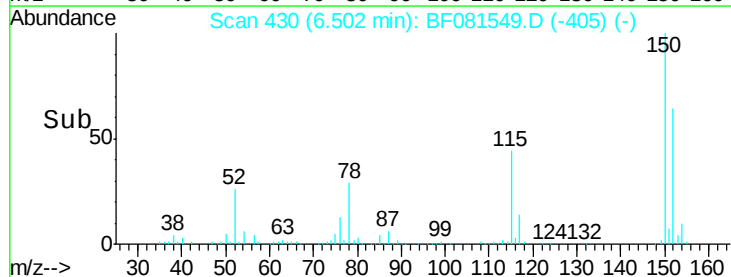
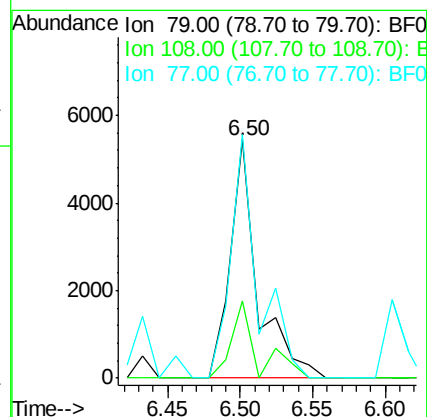
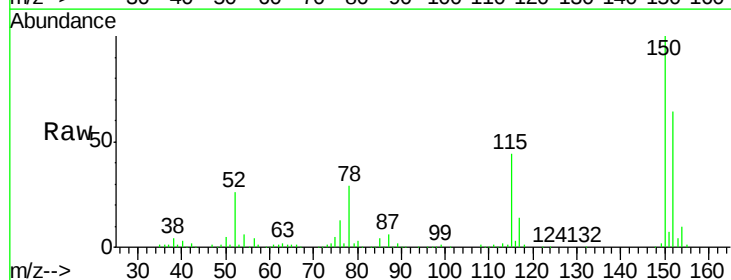
Tgt Ion: 79 Resp: 7191

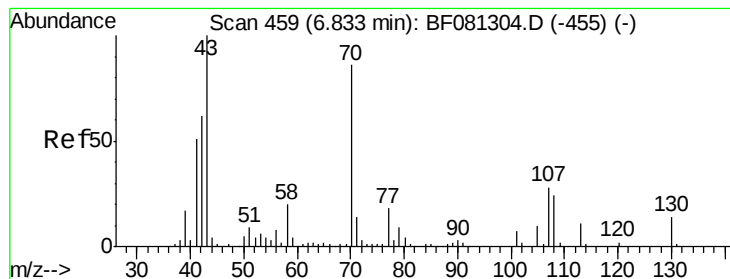
Ion Ratio Lower Upper

79 100

108 32.2 88.6 132.8#

77 102.1 47.0 70.4#





#19

n-Nitroso-di-n-propylamine

Concen: 15.59 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

Tot Ion: 70 Resp: 42329

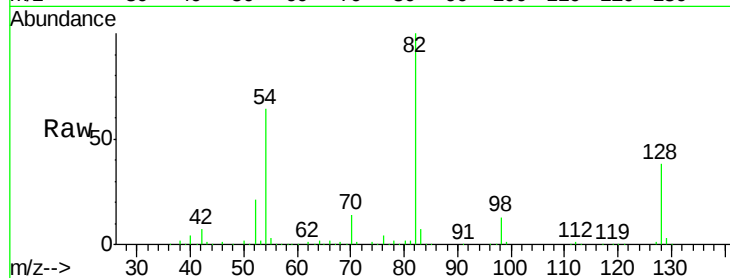
Ion Ratio Lower Upper

70 100

42 53.2 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#

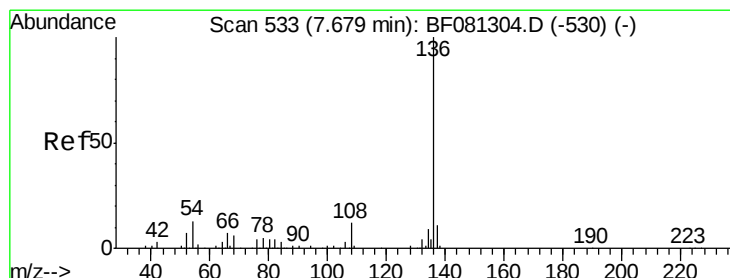
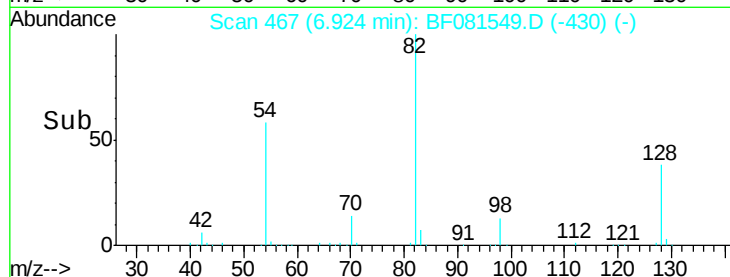
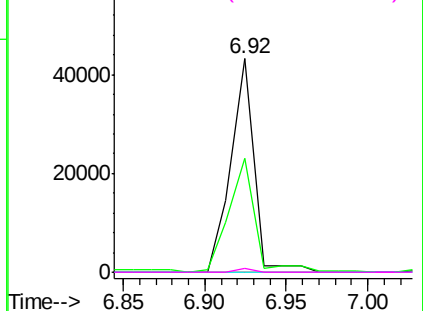


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Tgt Ion: 136 Resp: 181251

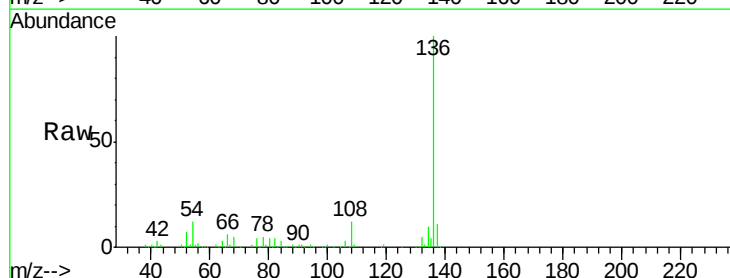
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 12.3 8.2 12.2#

68 5.3 5.8 8.6#

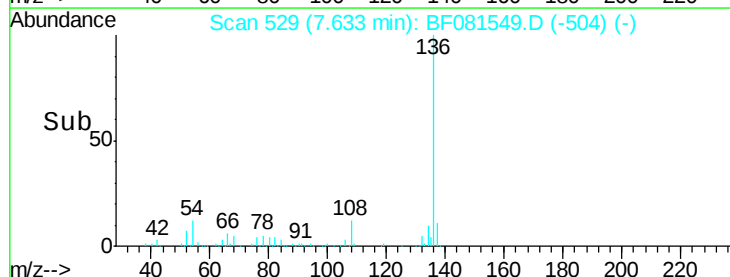
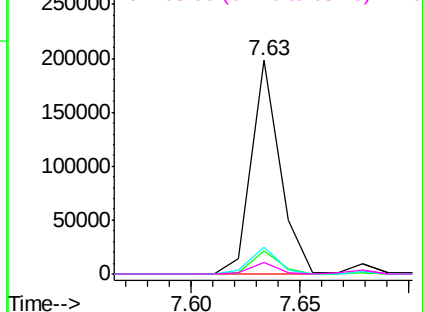


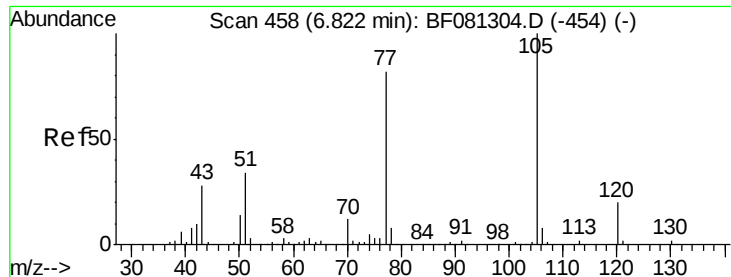
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

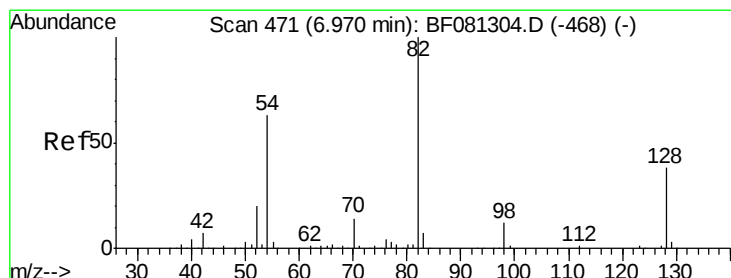
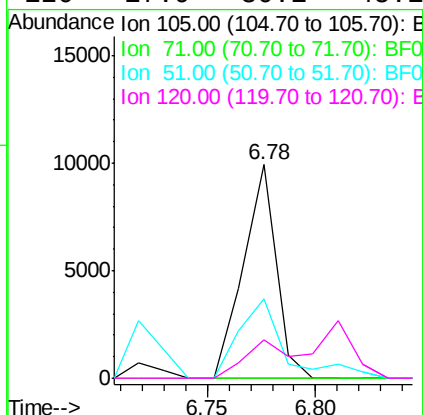
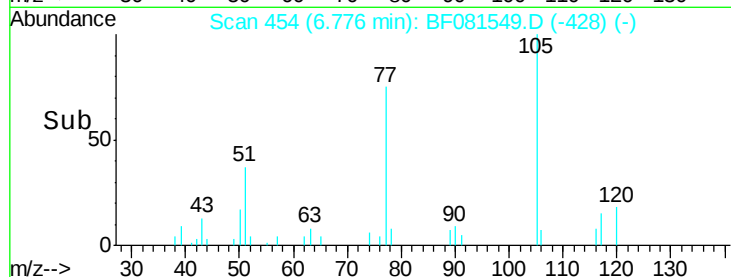
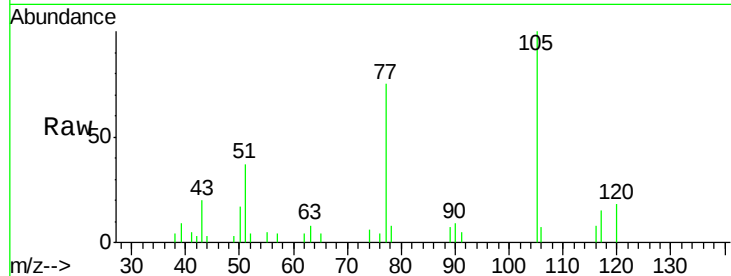




#22
Acetophenone
Concen: 2.10 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF081549.D
Acq: 9 Sep 2015 6:44

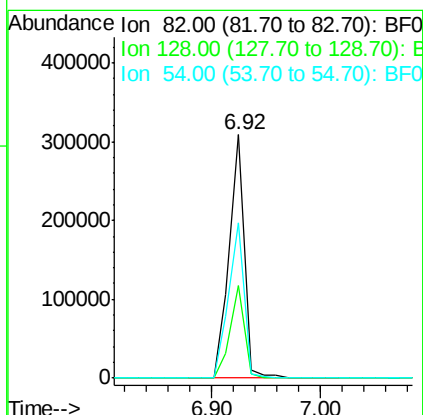
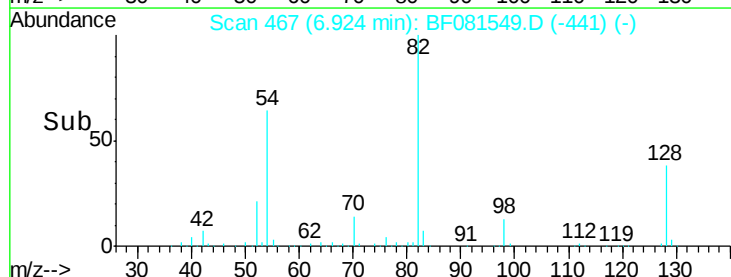
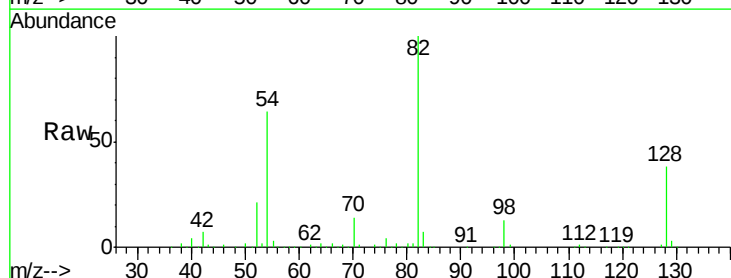
Instrument :
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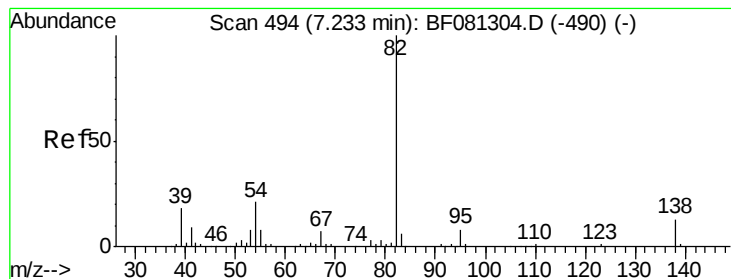
Tot Ion:105 Resp: 10403
Ion Ratio Lower Upper
105 100
71 0.0 4.7 7.1#
51 37.1 22.0 33.0#
120 17.9 30.1 45.1#



#23
Nitrobenzene-d5
Concen: 79.56 ng
RT: 6.92 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF081549.D
Acq: 9 Sep 2015 6:44

Tgt Ion: 82 Resp: 298871
Ion Ratio Lower Upper
82 100
128 38.2 51.0 76.6#
54 63.5 47.5 71.3





#25

Isophorone

Concen: 32.33 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.27 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

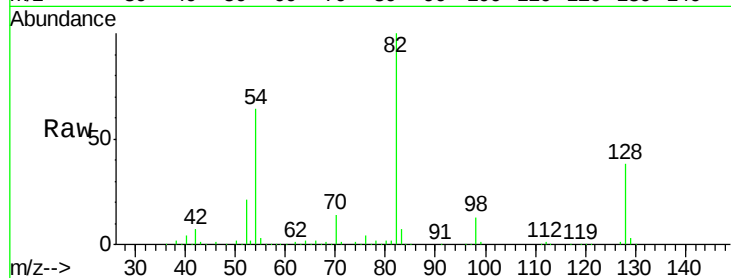
Tot Ion: 82 Resp: 225916

Ion Ratio Lower Upper

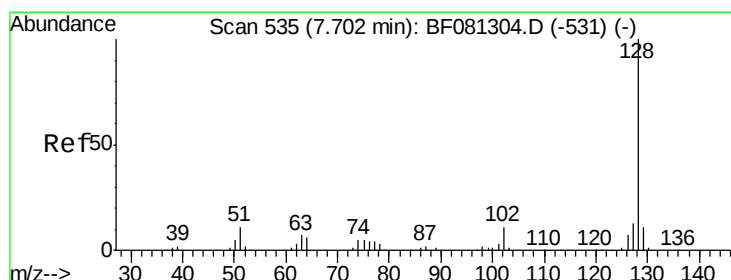
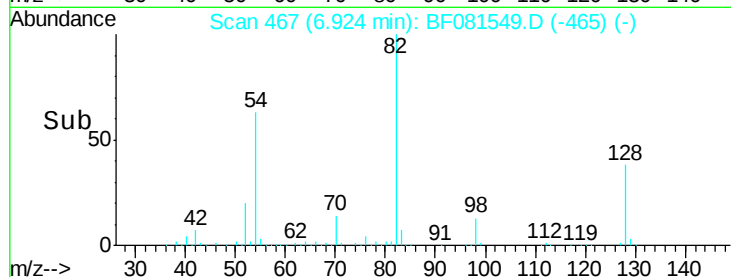
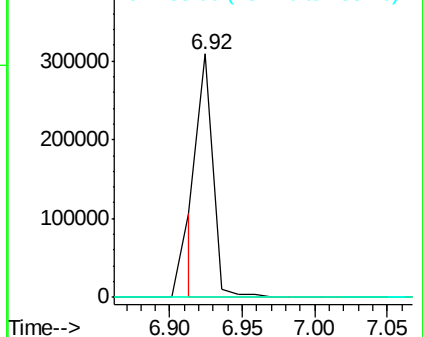
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 44.91 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

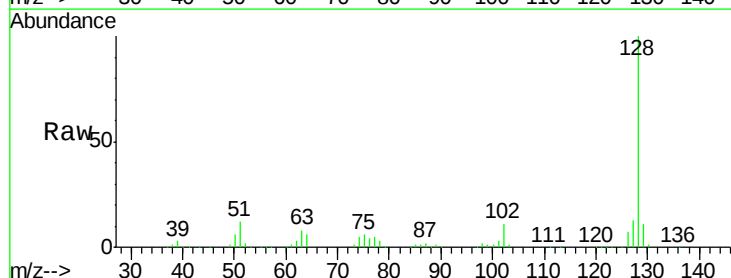
Tgt Ion: 128 Resp: 434080

Ion Ratio Lower Upper

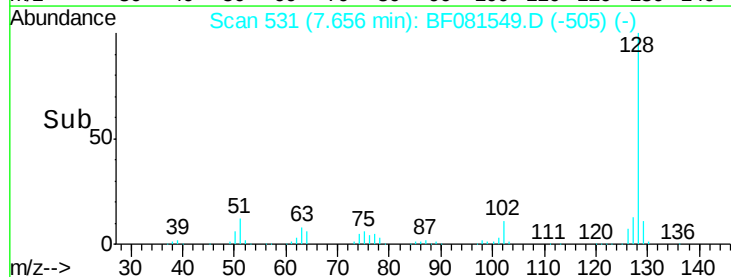
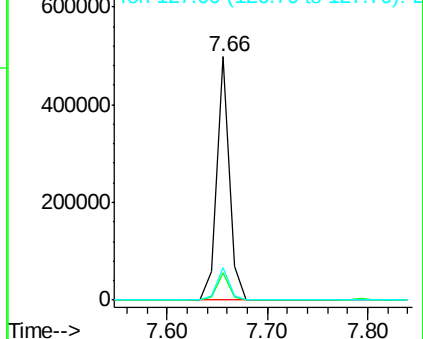
128 100

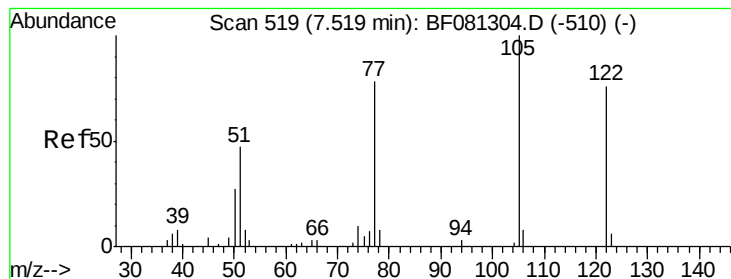
129 11.3 8.4 12.6

127 13.4 9.9 14.9



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





#32

Benzoic acid

Concen: 3.10 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.03 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

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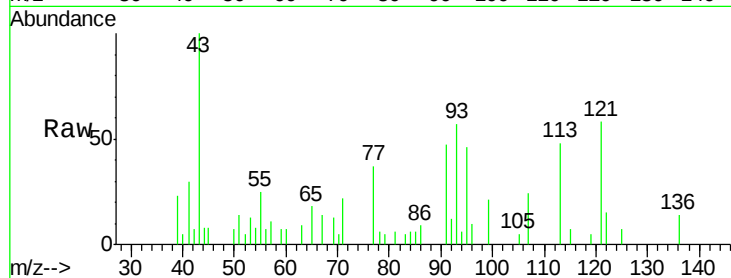
Tot Ion:122 Resp: 1245

Ion Ratio Lower Upper

122 100

105 30.0 76.1 116.1#

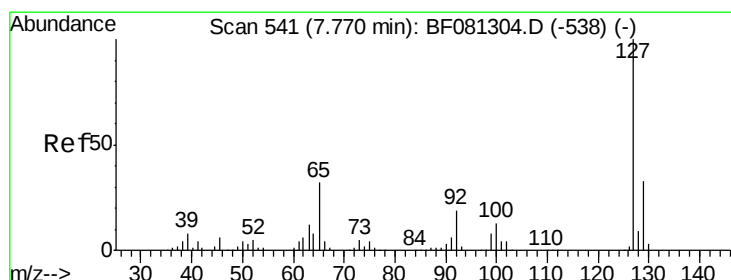
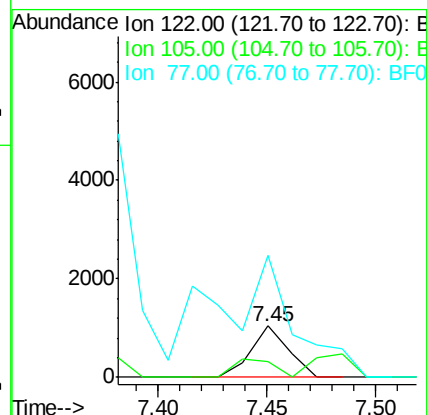
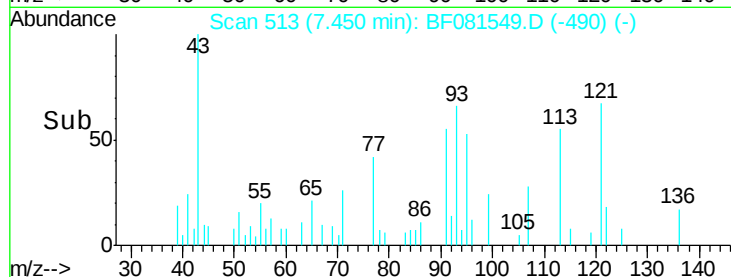
77 238.1 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 14.55 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Tgt Ion:127 Resp: 57379

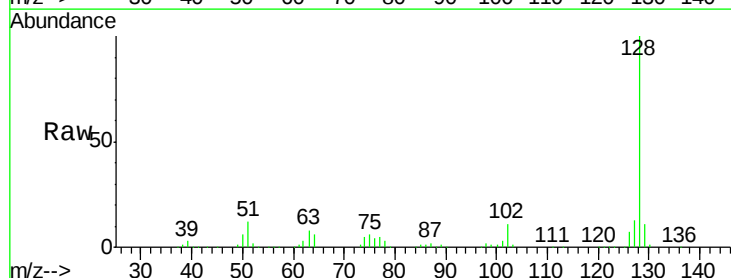
Ion Ratio Lower Upper

127 100

129 83.9 25.8 38.6#

65 0.0 17.9 26.9#

92 0.0 10.5 15.7#

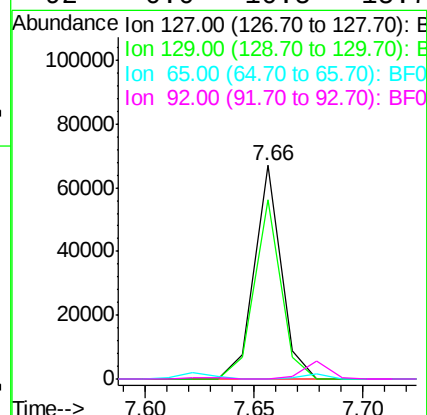
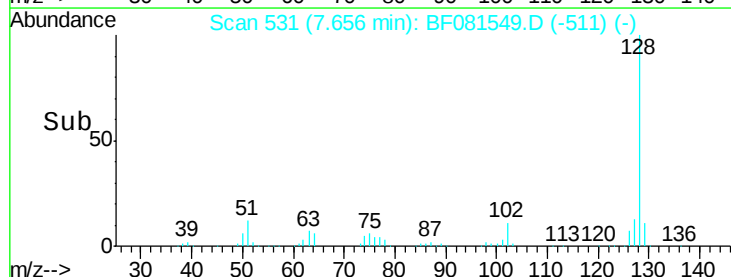


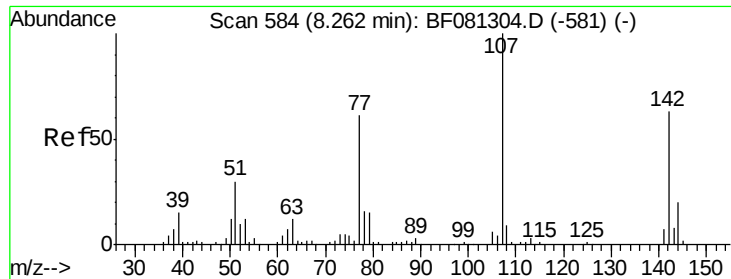
Abundance Ion 127.00 (126.70 to 127.70): E

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

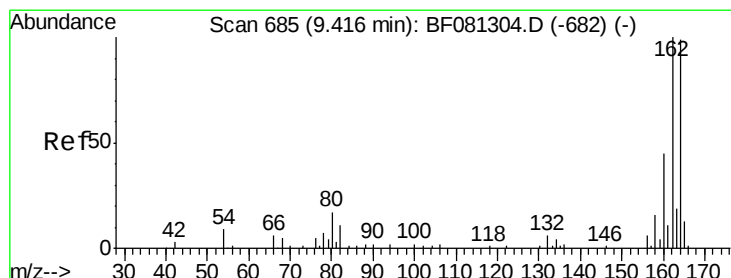
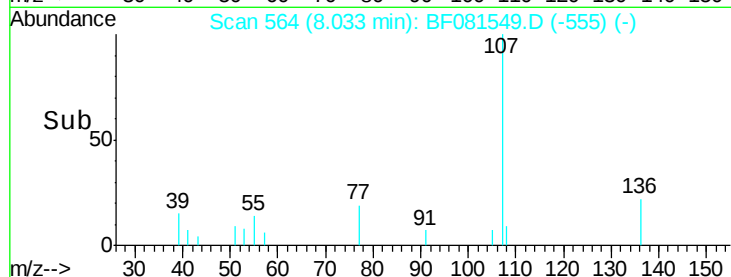
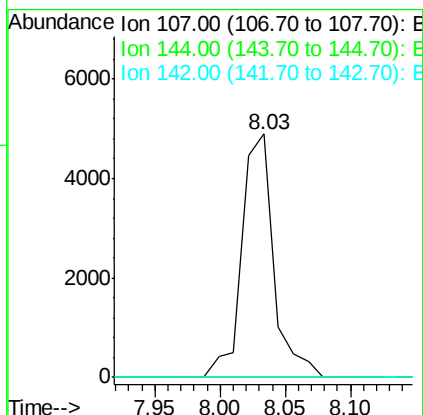
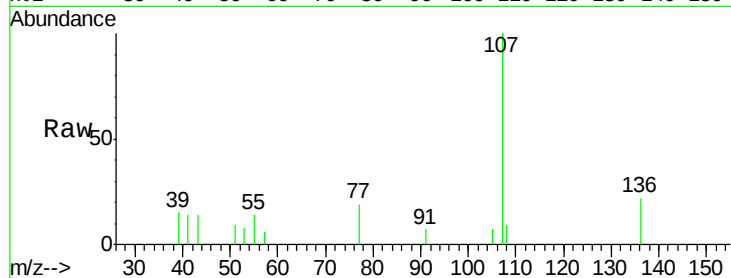




#36
 4-Chloro-3-methylphenol
 Concen: 2.91 ng
 RT: 8.03 min Scan# 564
 Delta R.T. -0.19 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

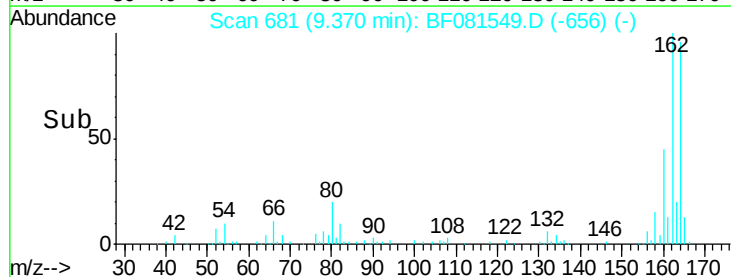
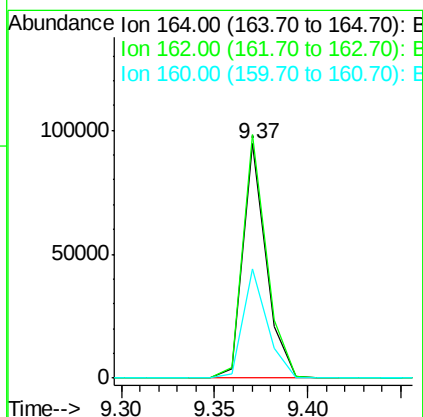
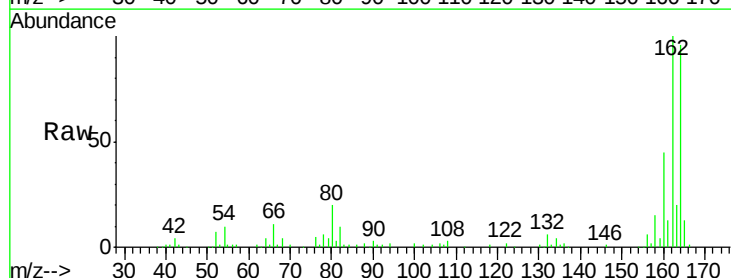
Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-51.5-54

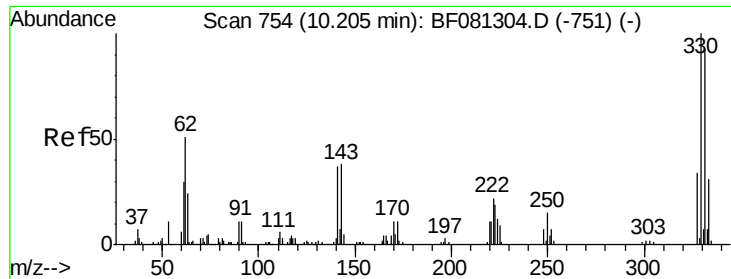
Tot Ion:107 Resp: 8304
 Ion Ratio Lower Upper
 107 100
 144 0.0 25.4 38.0#
 142 0.0 77.3 115.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

Tgt Ion:164 Resp: 82251
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 46.5 31.5 47.3

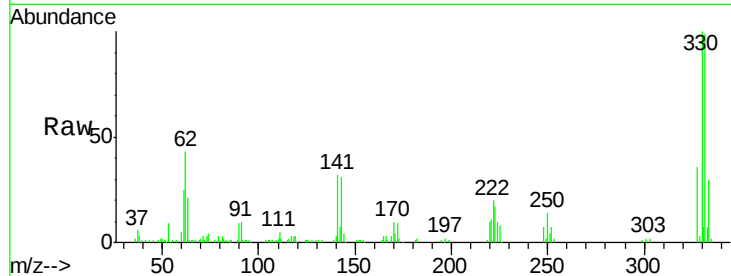




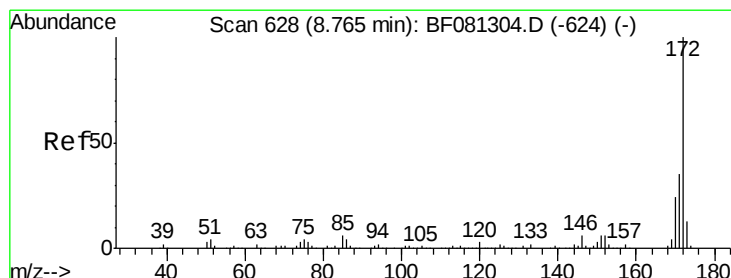
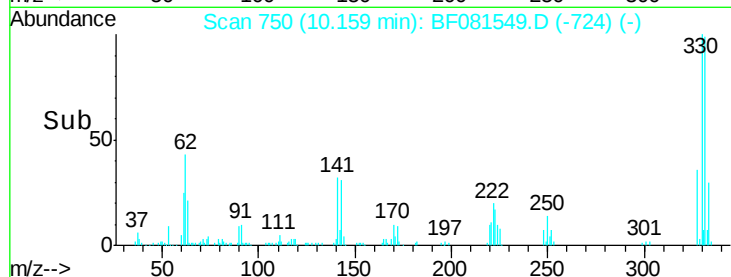
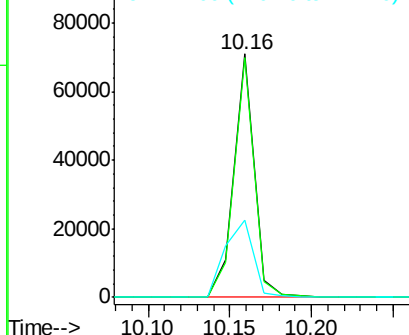
#41
 2,4,6-Tribromophenol
 Concen: 82.49 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-51.5-54

Tot Ion:330 Resp: 60416
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 114.8
 141 44.5 29.7 44.5

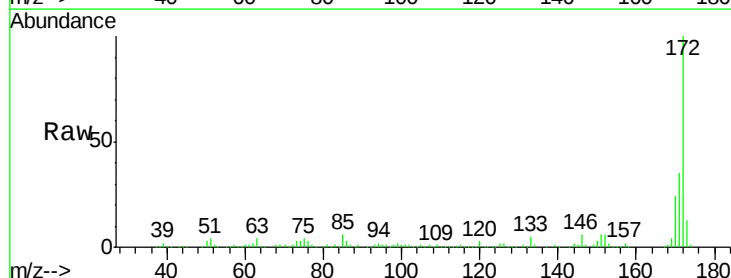


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

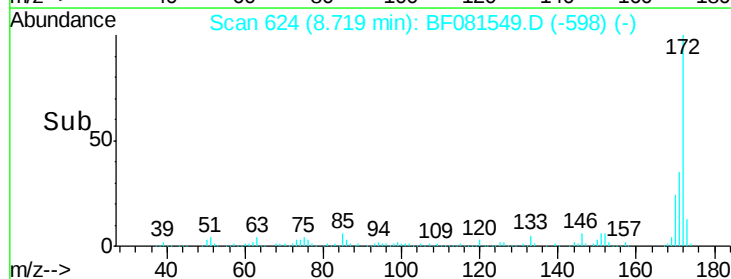
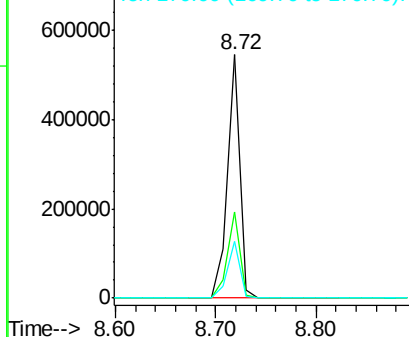


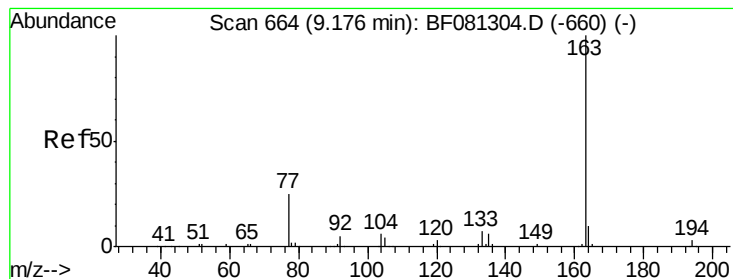
#44
 2-Fluorobiphenyl
 Concen: 72.95 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

Tgt Ion:172 Resp: 468221
 Ion Ratio Lower Upper
 172 100
 171 35.2 26.1 39.1
 170 23.5 17.4 26.2



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





#49

Dimethylphthalate

Concen: 17.68 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

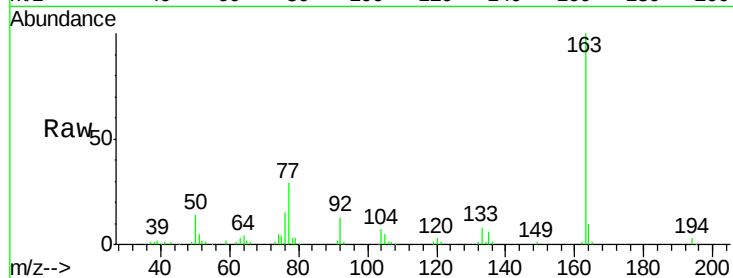
Tot Ion:163 Resp: 113004

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

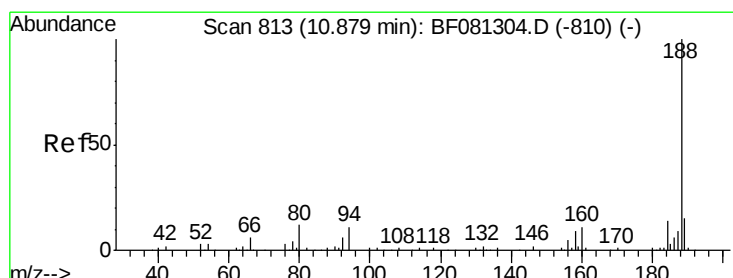
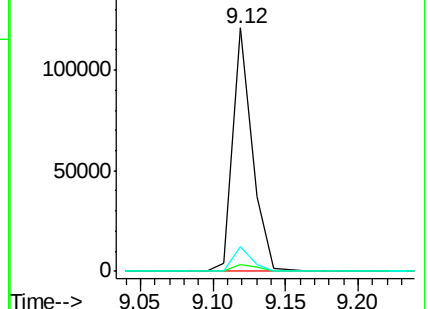
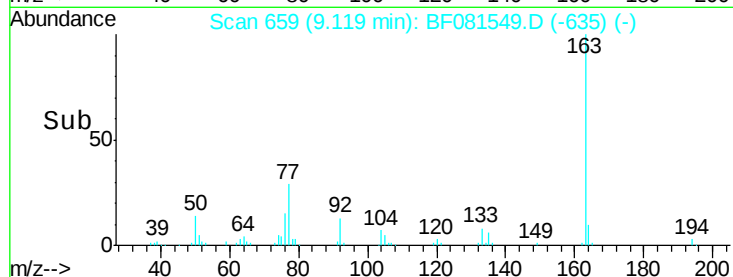
164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.83 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

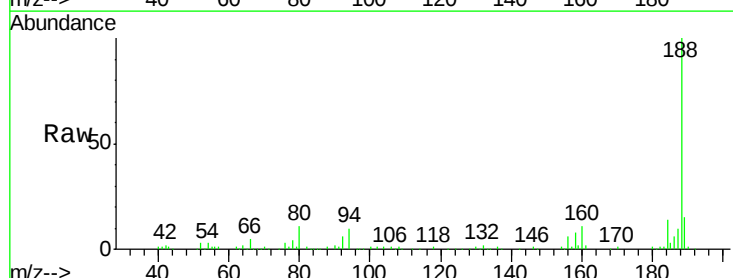
Tgt Ion:188 Resp: 144539

Ion Ratio Lower Upper

188 100

94 9.7 11.1 16.7#

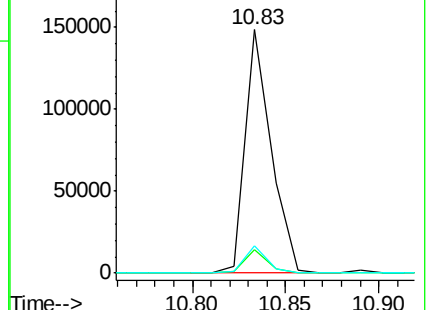
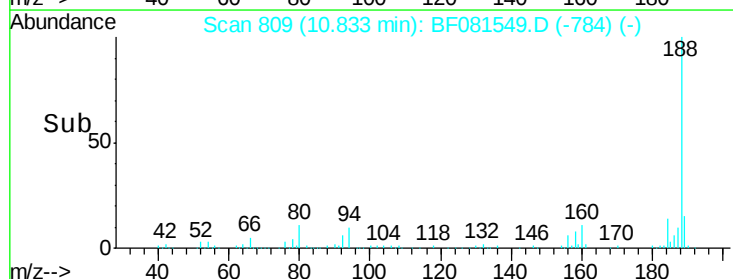
80 11.3 11.0 16.4

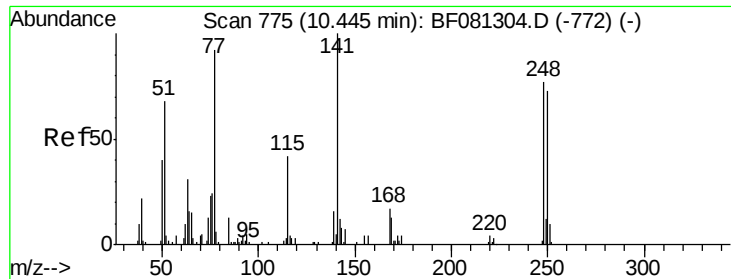


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

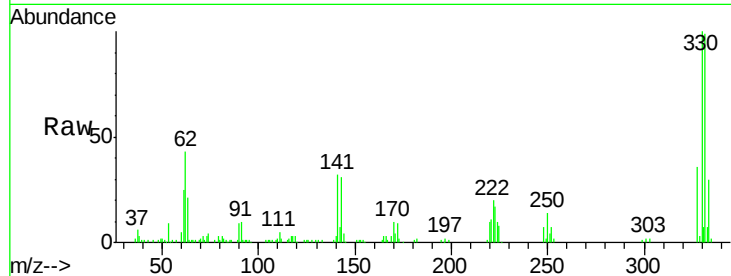




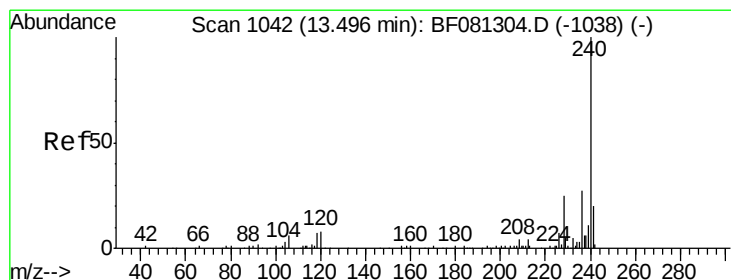
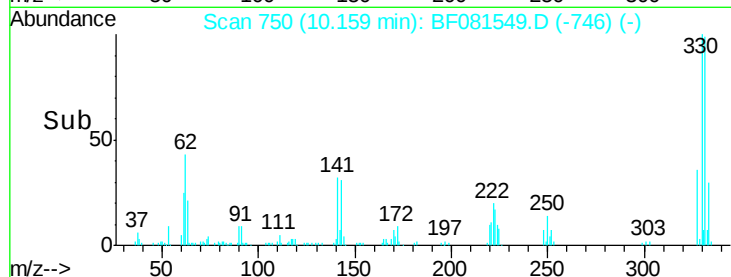
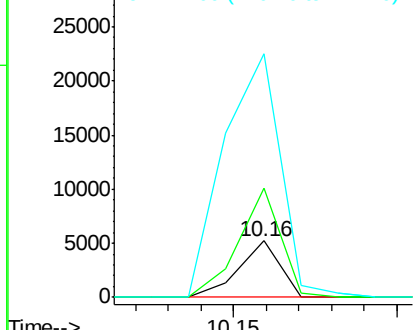
#66
4-Bromophenyl-phenylether
Concen: 3.06 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.25 min
Lab File: BF081549.D
Acq: 9 Sep 2015 6:44

Instrument :
BNA_F
ClientSampleId :
MGP212BR-51.5-54

Tot Ion:248 Resp: 4470
Ion Ratio Lower Upper
248 100
250 193.9 78.5 117.7#
141 433.9 59.0 88.6#

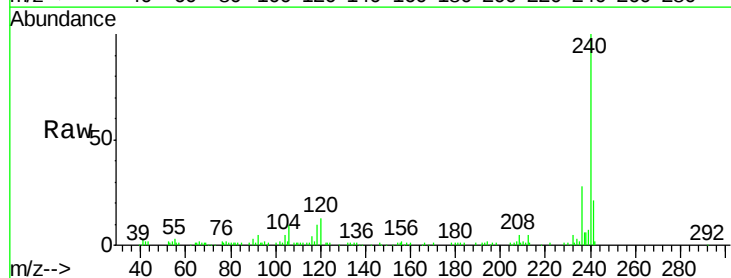


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

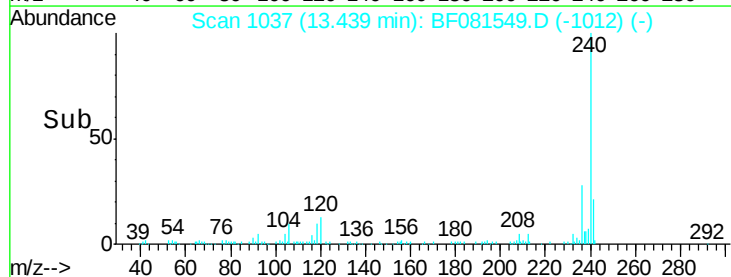
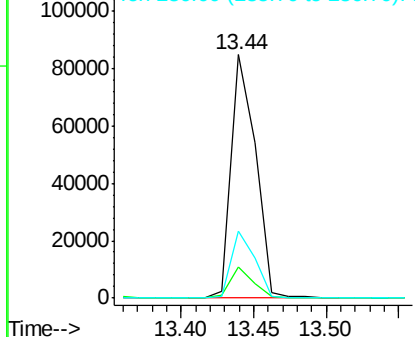


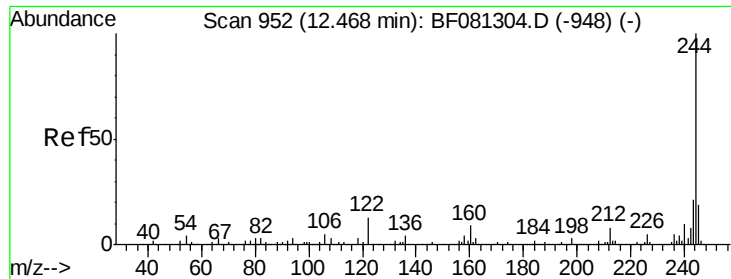
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF081549.D
Acq: 9 Sep 2015 6:44

Tgt Ion:240 Resp: 99126
Ion Ratio Lower Upper
240 100
120 12.8 16.2 24.2#
236 27.6 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

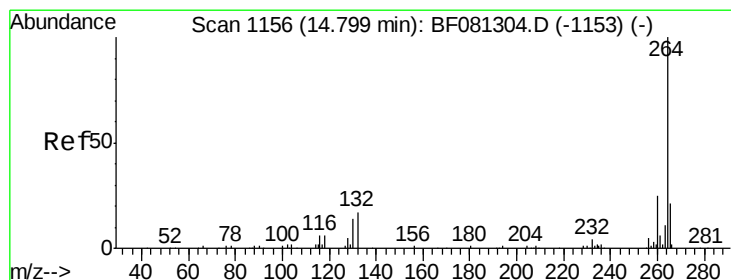
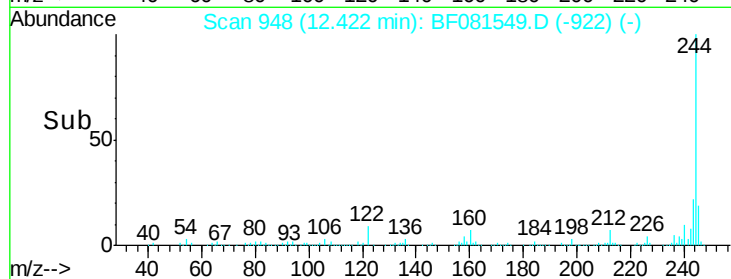
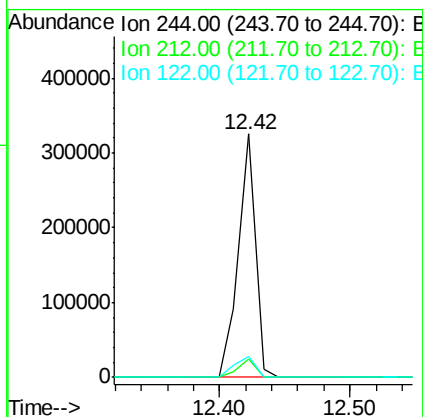
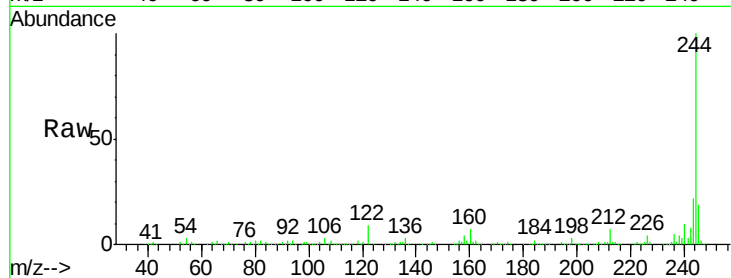




#78
 Terphenyl-d14
 Concen: 69.04 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

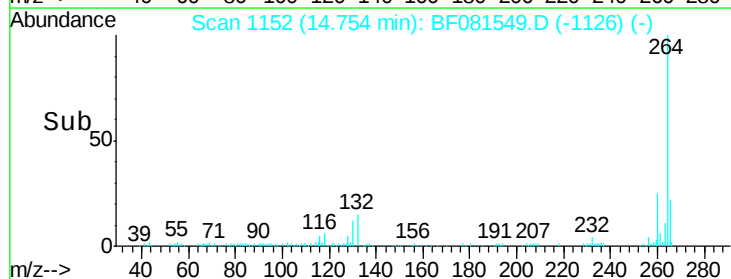
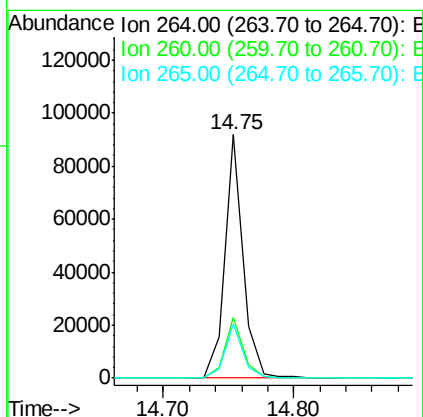
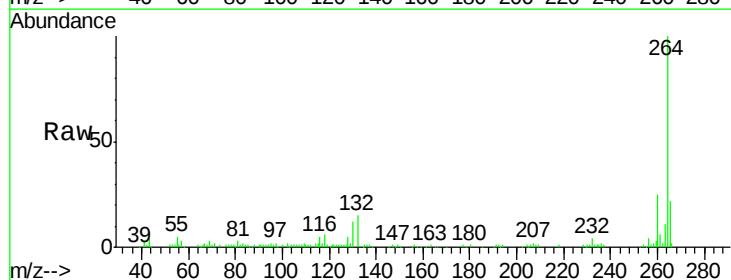
Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-51.5-54

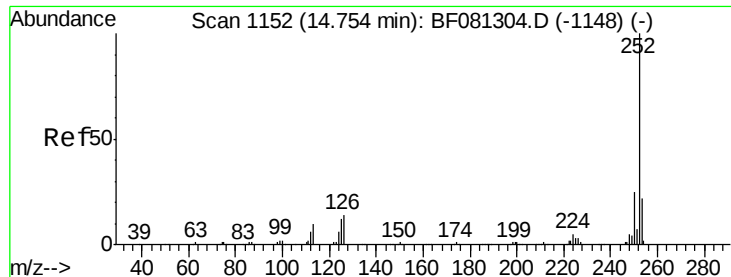
Tot Ion:244 Resp: 294002
 Ion Ratio Lower Upper
 244 100
 212 7.4 4.3 6.5#
 122 8.8 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.75 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BF081549.D
 Acq: 9 Sep 2015 6:44

Tgt Ion:264 Resp: 89086
 Ion Ratio Lower Upper
 264 100
 260 24.8 16.7 25.1
 265 22.2 17.2 25.8





#89

Benzo(a)pyrene

Concen: 3.63 ng

RT: 14.78 min Scan# 1154

Delta R.T. 0.07 min

Lab File: BF081549.D

Acq: 9 Sep 2015 6:44

Instrument :

BNA_F

ClientSampleId :

MGP212BR-51.5-54

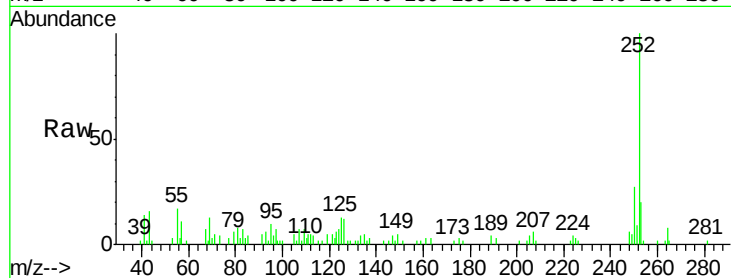
Tot Ion:252 Resp: 19588

Ion Ratio Lower Upper

252 100

253 19.9 17.2 25.8

125 13.3 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

