

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092115\
 Data File : BF081714.D
 Acq On : 21 Sep 2015 14:45
 Operator : UM/IZ
 Sample : G3654-05DL3 200X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL3

Quant Time: Sep 22 01:01:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

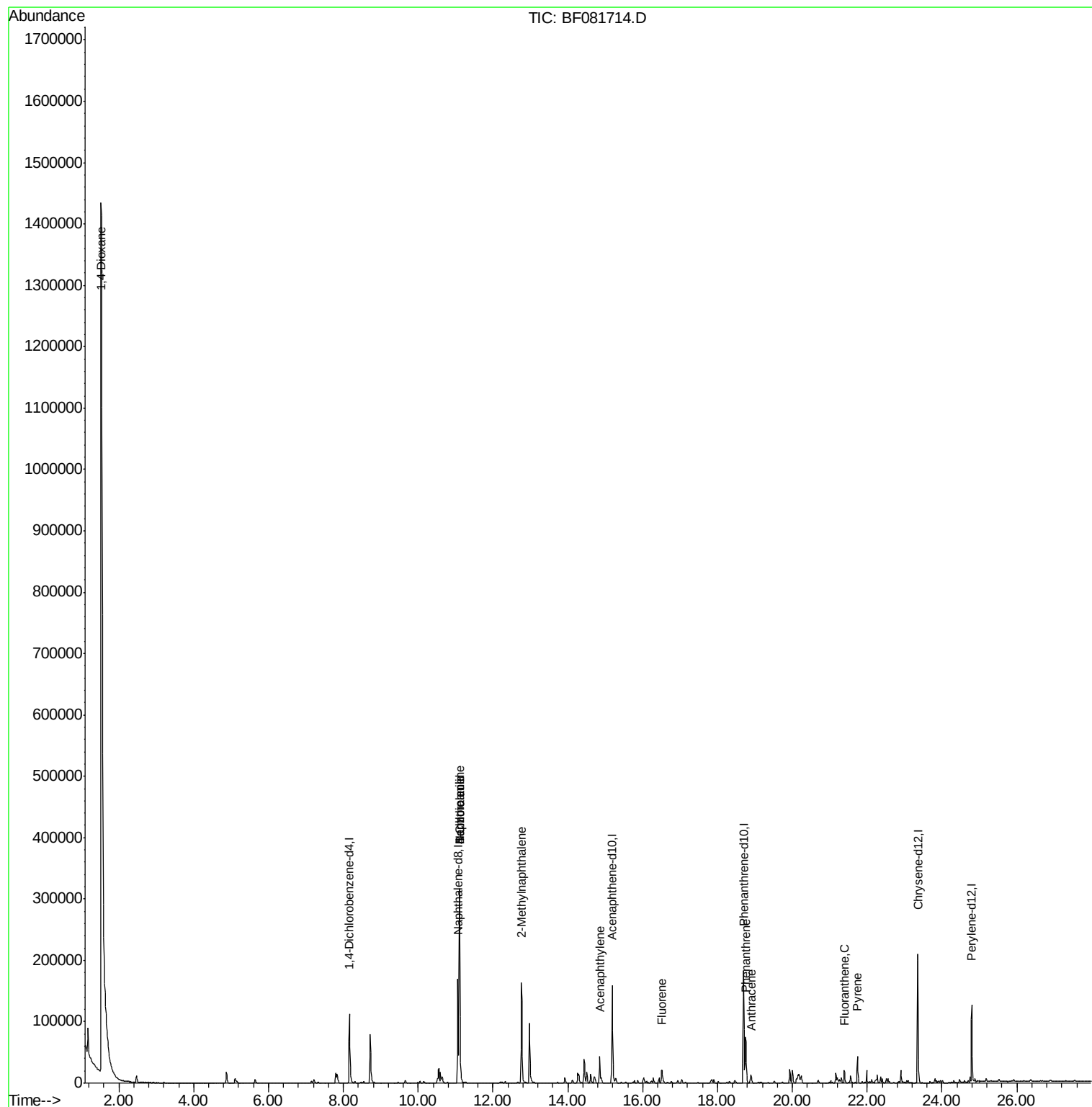
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	32701	20.00	ng	-0.06
21) Naphthalene-d8	11.05	136	135935	20.00	ng	-0.07
38) Acenaphthene-d10	15.19	164	63693	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	136991	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	116233	20.00	ng	-0.03
86) Perylene-d12	24.79	264	81276	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	13.72	172	2091	0.42	ng	-0.06
78) Terphenyl-d14	22.07	244	2238	0.45	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	1.52	88	95202	100.57	ng	Qvalue # 14
31) Naphthalene	11.11	128	287259	39.62	ng	99
32) Benzoic acid	11.11	122	501	2.84	ng	# 1
33) 4-Chloroaniline	11.11	127	36708	12.41	ng	# 38
37) 2-Methylnaphthalene	12.76	142	87713	18.59	ng	# 90
48) Acenaphthylene	14.85	152	41152	5.48	ng	97
57) Fluorene	16.52	166	17664	3.73	ng	83
70) Phenanthrene	18.75	178	68552	9.00	ng	96
71) Anthracene	18.89	178	17761	2.27	ng	94
74) Fluoranthene	21.39	202	18909	2.29	ng	89
77) Pyrene	21.74	202	34422	4.00	ng	97

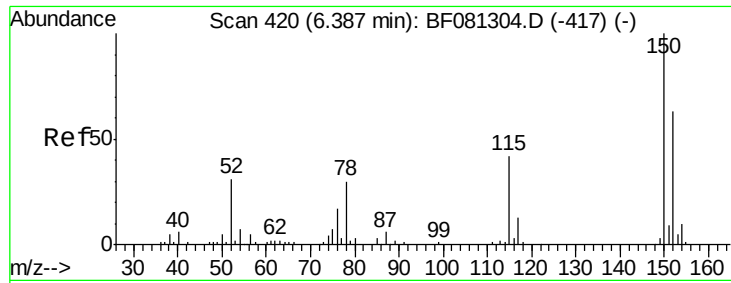
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092115\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 619

Delta R.T. -0.06 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

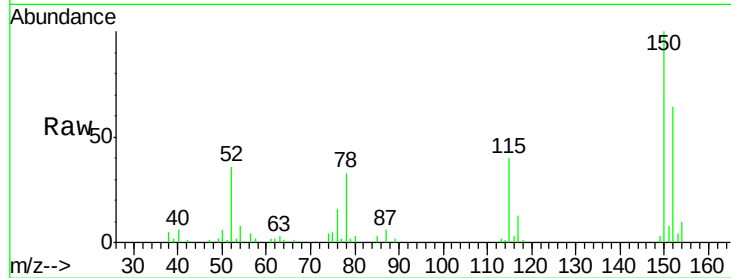
Tgt Ion:152 Resp: 32701

Ion Ratio Lower Upper

152 100

150 155.7 124.7 187.1

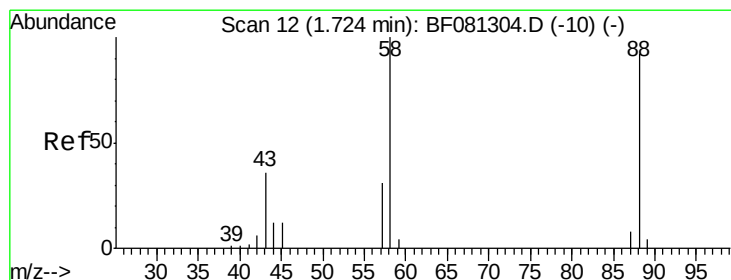
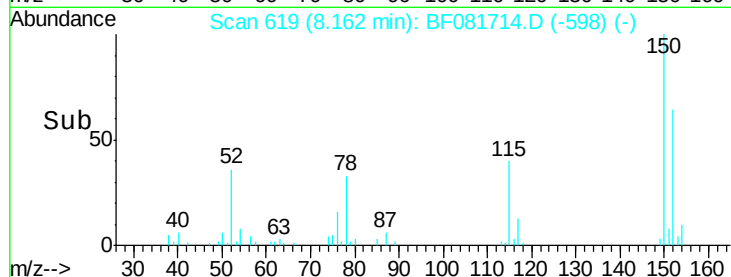
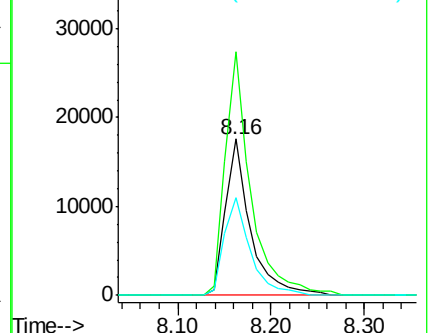
115 62.2 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 100.57 ng

RT: 1.52 min Scan# 38

Delta R.T. -0.04 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

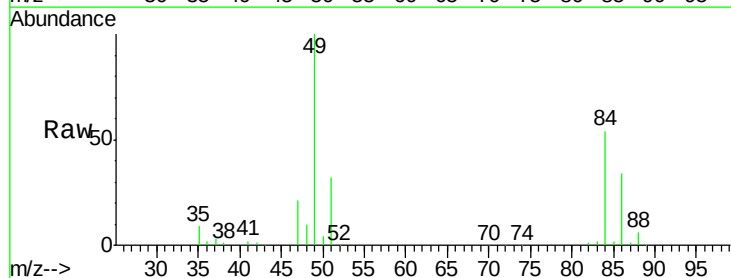
Tgt Ion: 88 Resp: 95202

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

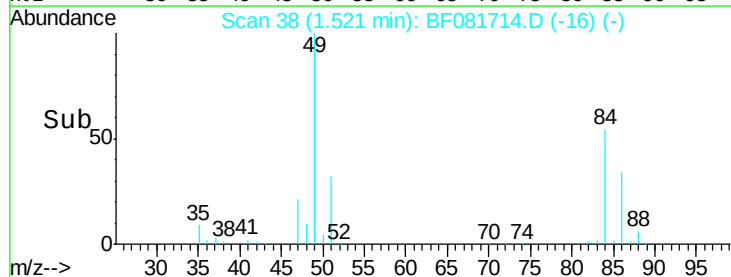
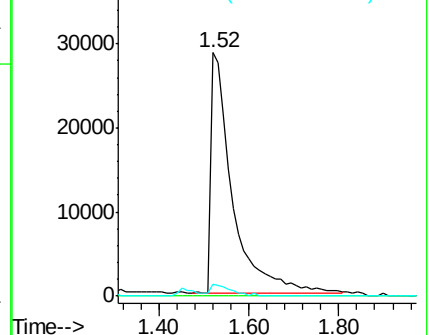
43 4.9 26.6 40.0#

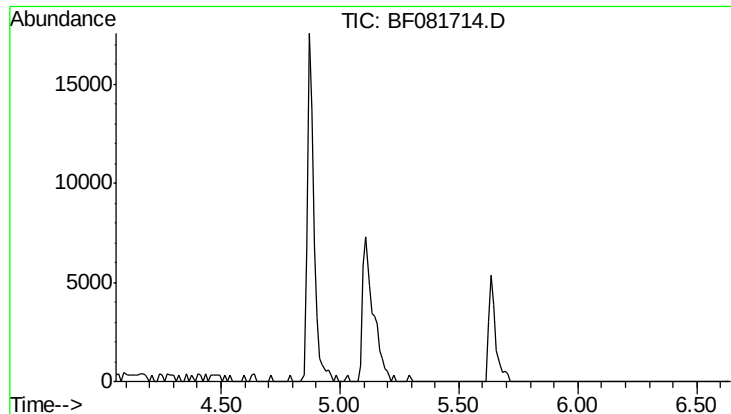


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

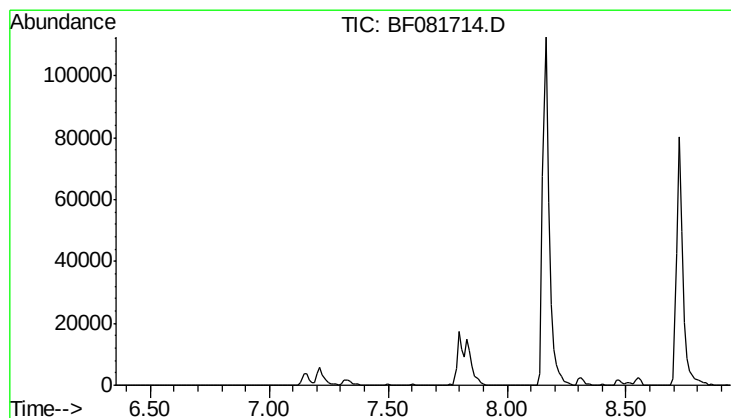
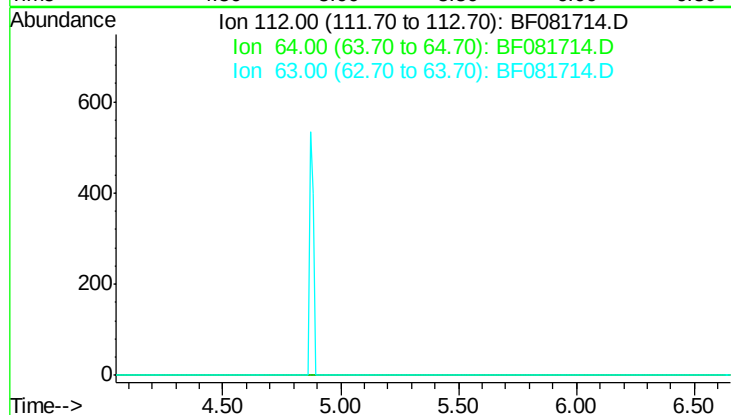




#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.35 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

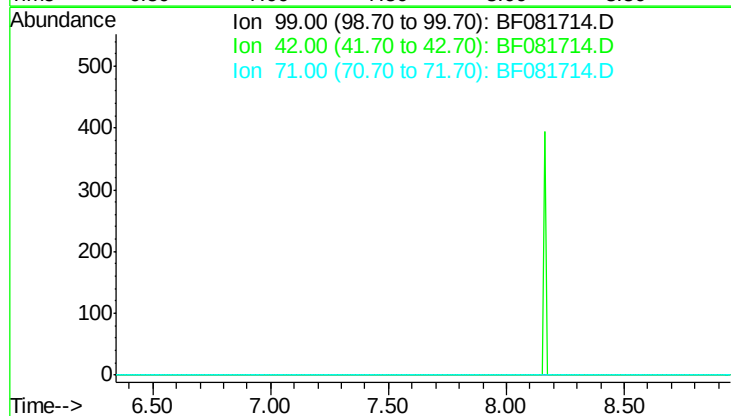
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL3

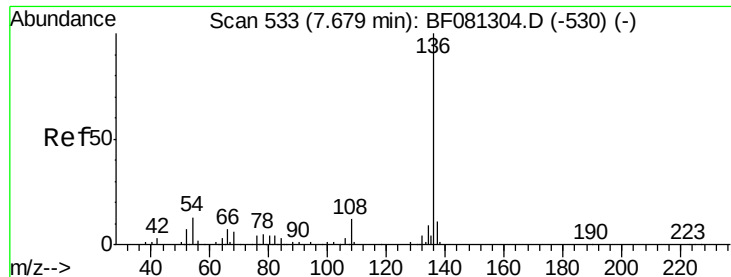
Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 49.6
 63 21.7



#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 7.65 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 17.1
 71 17.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.05 min Scan# 872

Delta R.T. -0.07 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

Tgt Ion:136 Resp: 135935

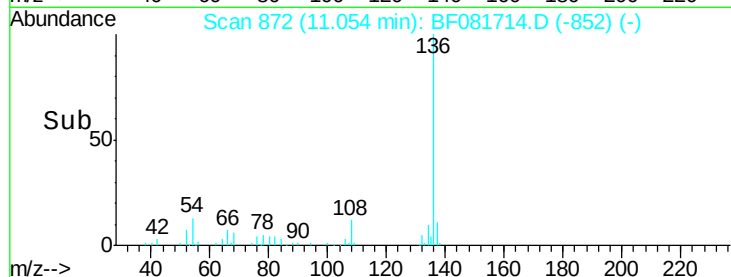
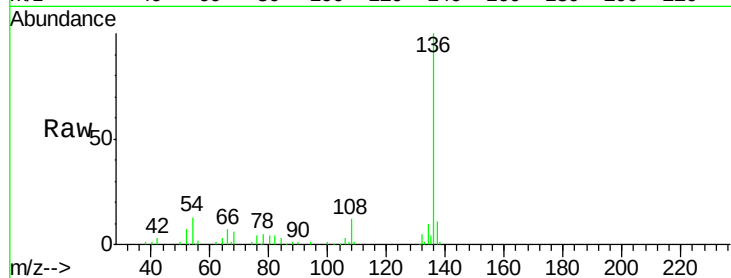
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.9 8.2 12.2#

68 5.5 5.8 8.6#

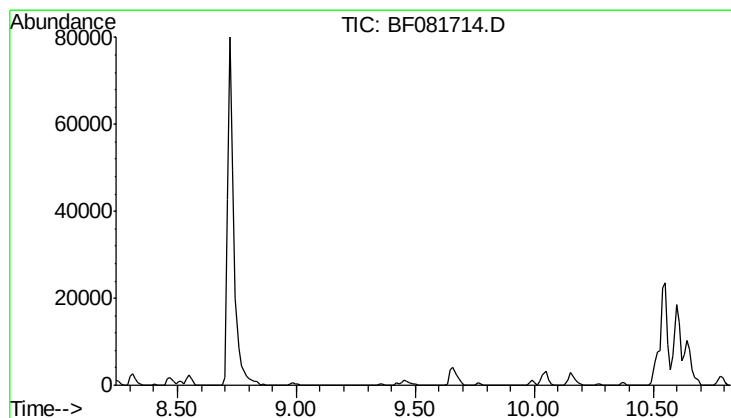
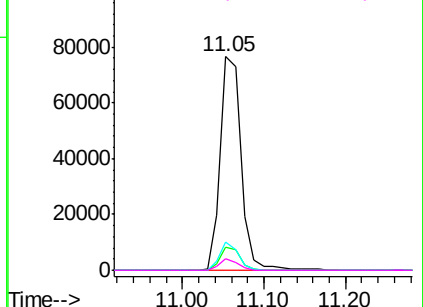


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 9.53 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

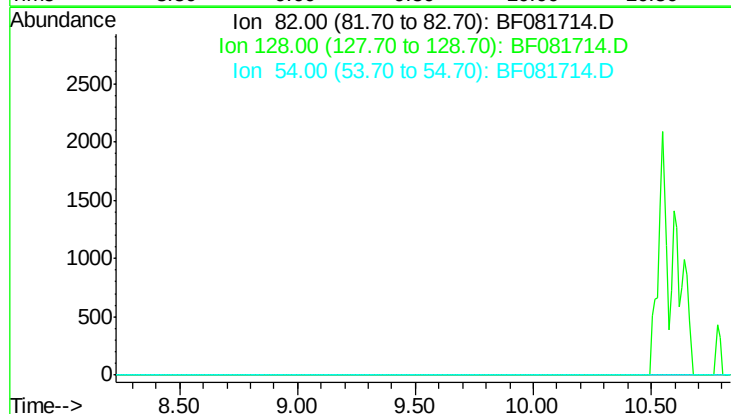
Tgt Ion: 82

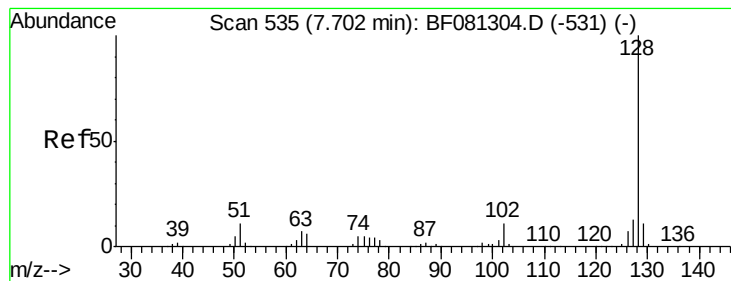
Sig Exp Ratio

82 100

128 63.8

54 59.4





#31

Naphthalene

Concen: 39.62 ng

RT: 11.11 min Scan# 877

Delta R.T. -0.06 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

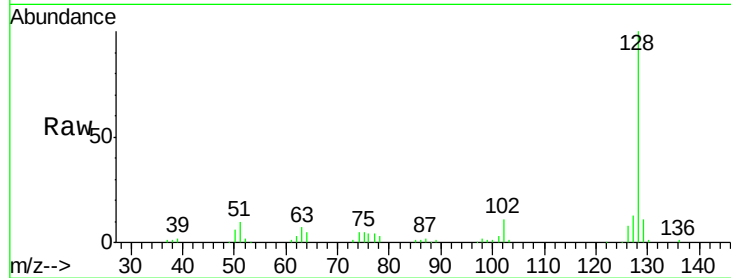
Tgt Ion:128 Resp: 287259

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

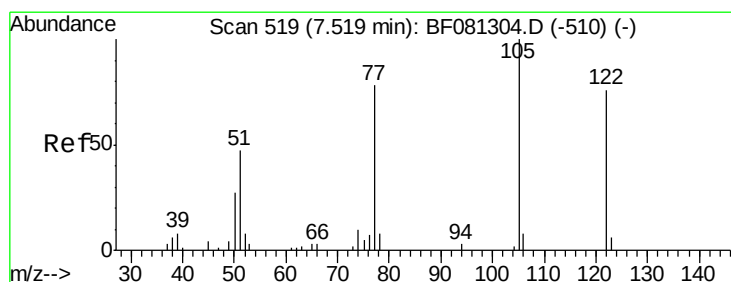
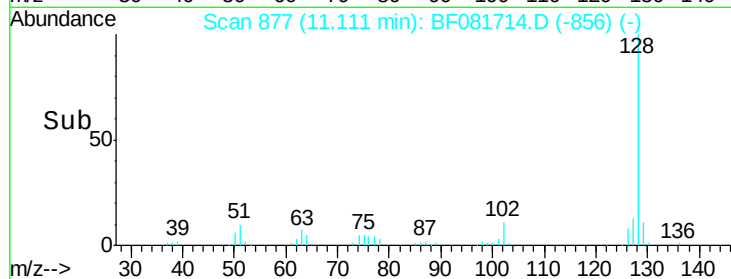
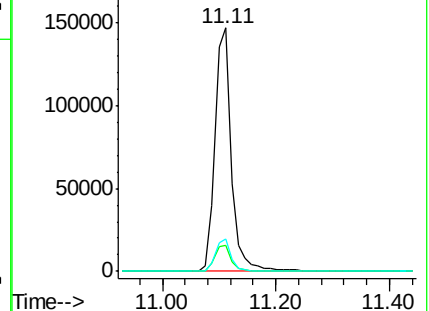
127 13.3 9.9 14.9



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: 2.84 ng

RT: 11.11 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

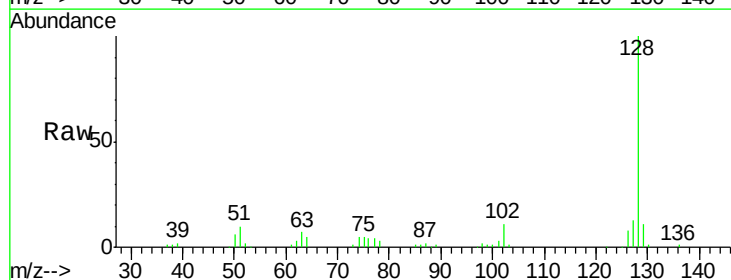
Tgt Ion:122 Resp: 501

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

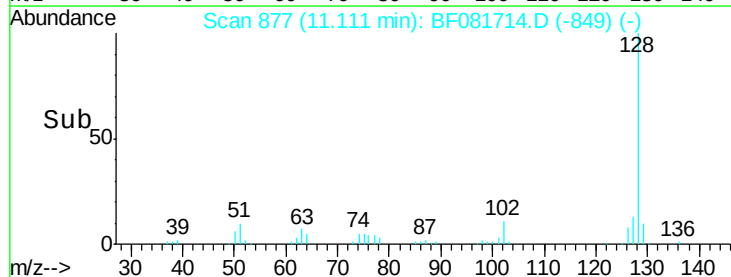
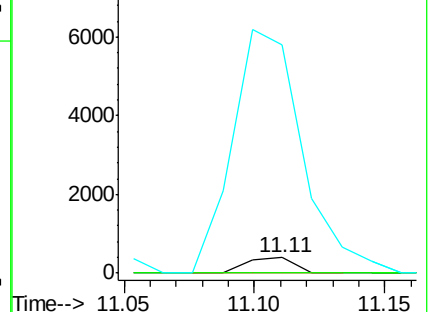
77 1510.4 40.5 80.5#

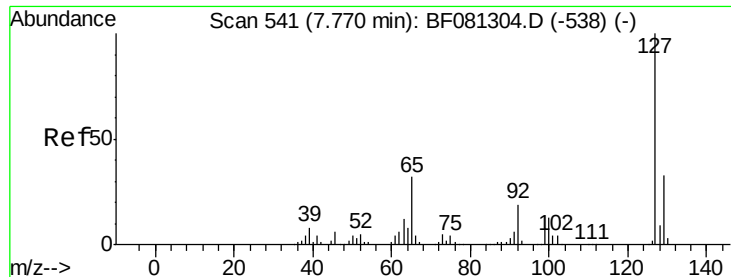


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

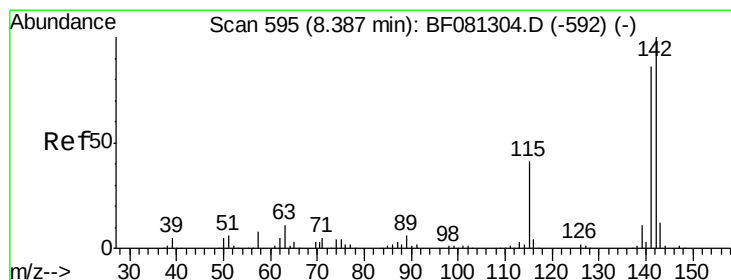
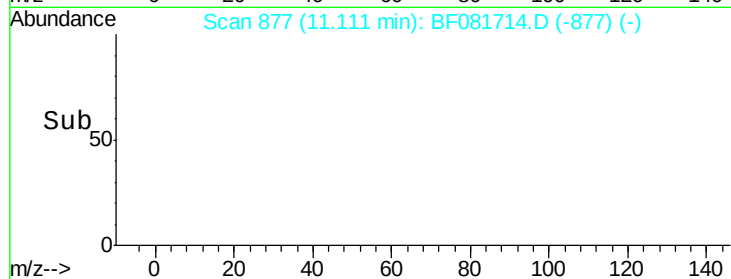
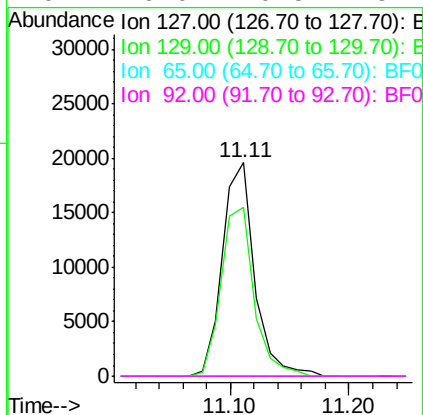
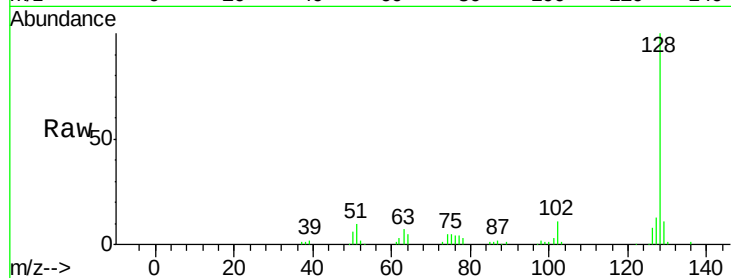




#33
 4-Chloroaniline
 Concen: 12.41 ng
 RT: 11.11 min Scan# 877
 Delta R.T. -0.30 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

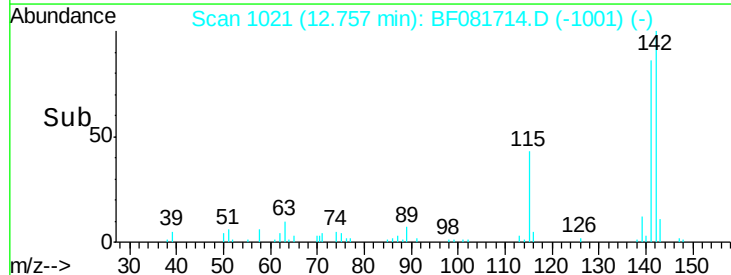
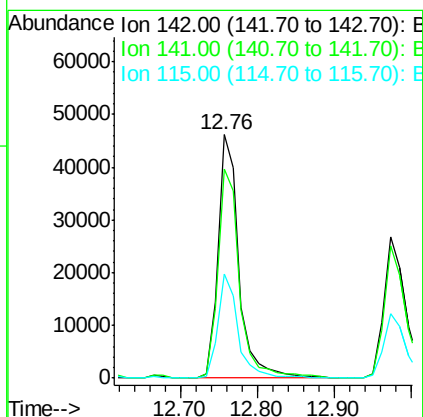
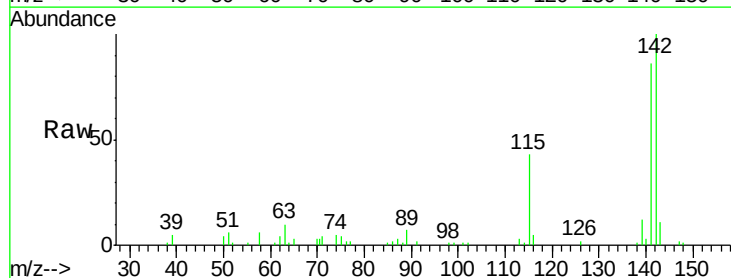
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL3

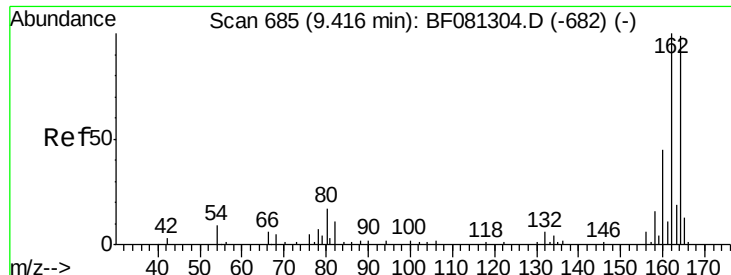
Tgt Ion:	127	Resp:	36708
Ion	Ratio	Lower	Upper
127	100		
129	79.2	25.8	38.6#
65	0.0	17.9	26.9#
92	0.0	10.5	15.7#



#37
 2-Methylnaphthalene
 Concen: 18.59 ng
 RT: 12.76 min Scan# 1021
 Delta R.T. -0.07 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Tgt Ion:	142	Resp:	87713
Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.5	101.3
115	42.9	18.2	27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.19 min Scan# 1234

Delta R.T. -0.07 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

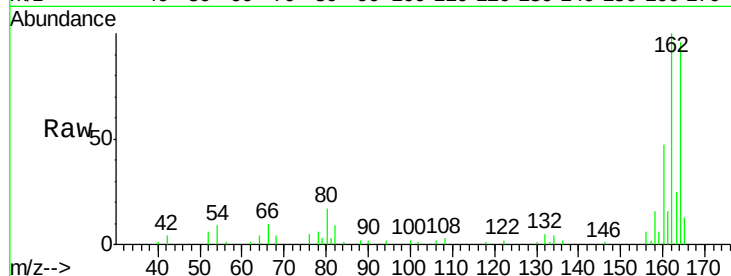
Tgt Ion:164 Resp: 63693

Ion Ratio Lower Upper

164 100

162 103.7 75.2 112.8

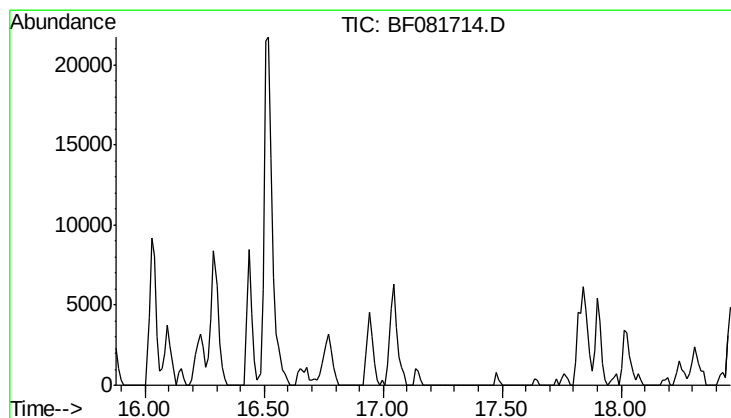
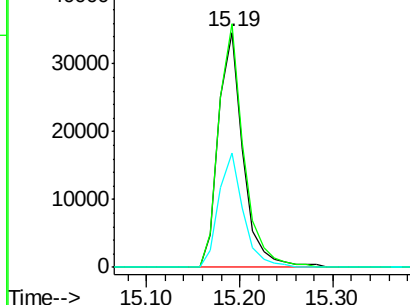
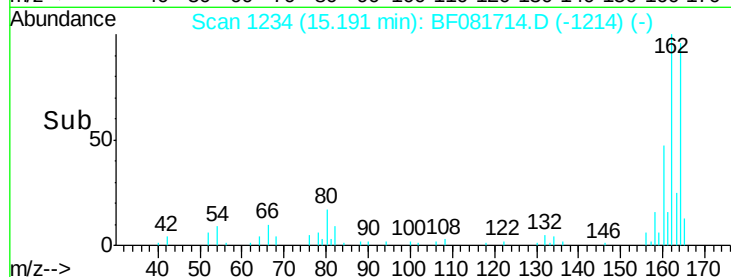
160 48.8 31.5 47.3#



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: 0.00 ng

Expected RT: 17.17 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

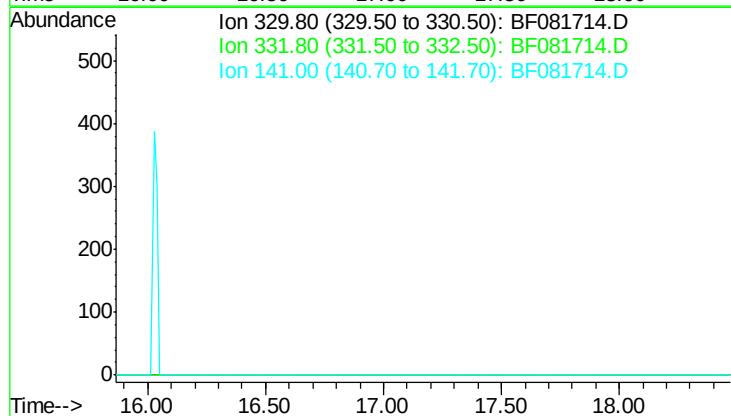
Tgt Ion: 330

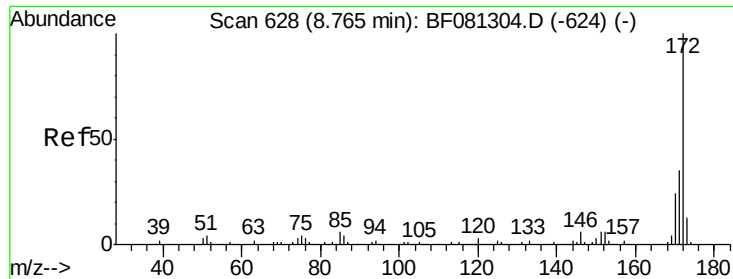
Sig Exp Ratio

330 100

332 95.7

141 37.1

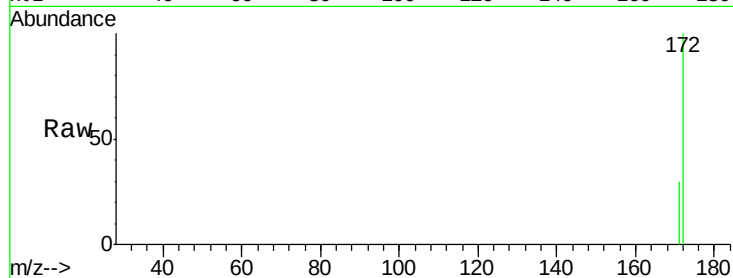




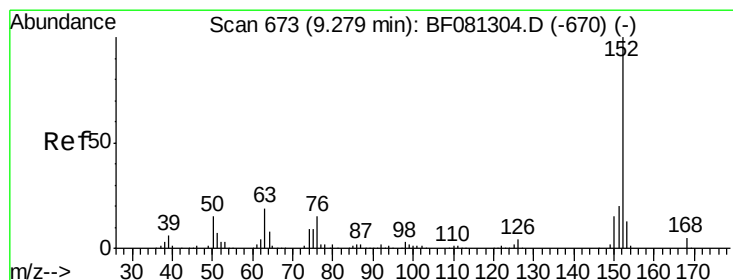
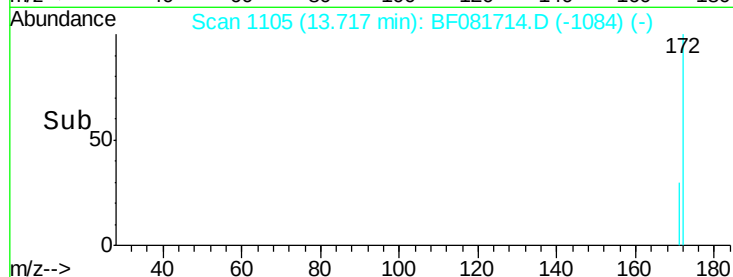
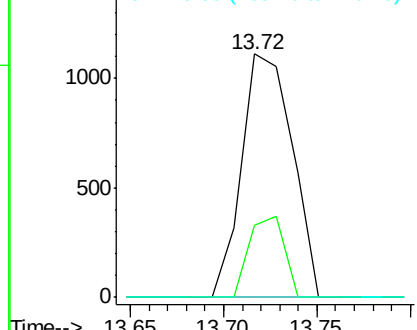
#44
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL3

Tgt Ion:172 Resp: 2091
 Ion Ratio Lower Upper
 172 100
 171 29.7 26.1 39.1
 170 0.0 17.4 26.2#

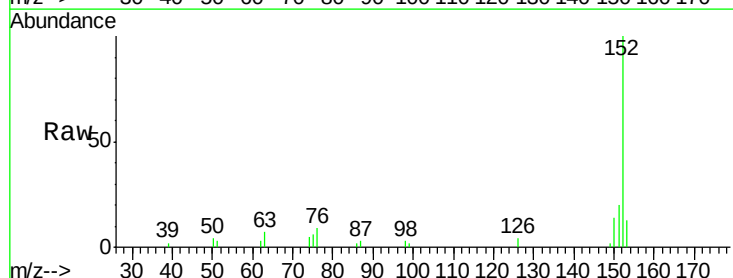


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

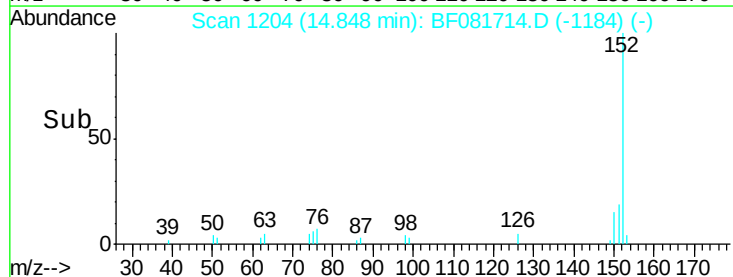
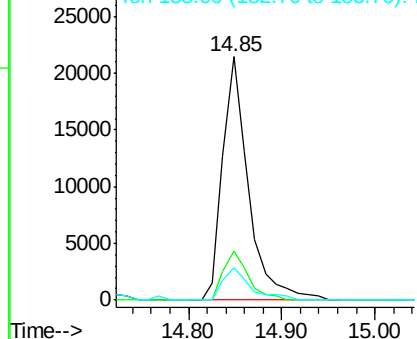


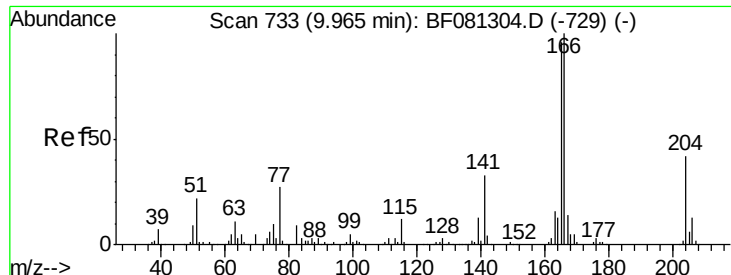
#48
 Acenaphthylene
 Concen: 5.48 ng
 RT: 14.85 min Scan# 1204
 Delta R.T. -0.07 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Tgt Ion:152 Resp: 41152
 Ion Ratio Lower Upper
 152 100
 151 20.1 14.6 22.0
 153 13.3 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#57

Fluorene

Concen: 3.73 ng

RT: 16.52 min Scan# 1350

Delta R.T. -0.06 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

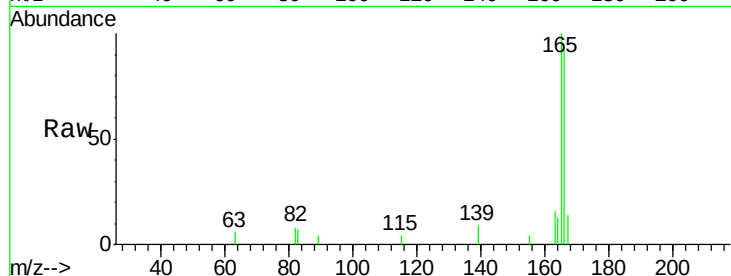
Tgt Ion:166 Resp: 17664

Ion Ratio Lower Upper

166 100

165 108.7 72.6 109.0

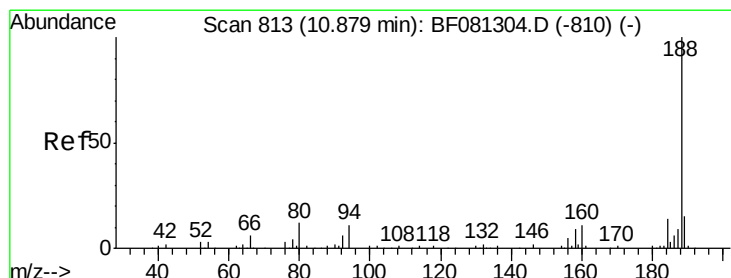
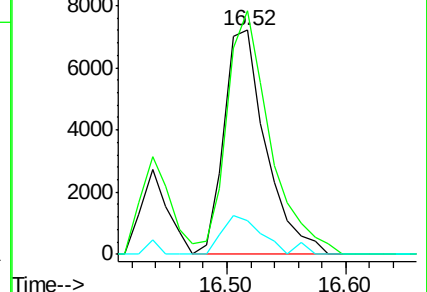
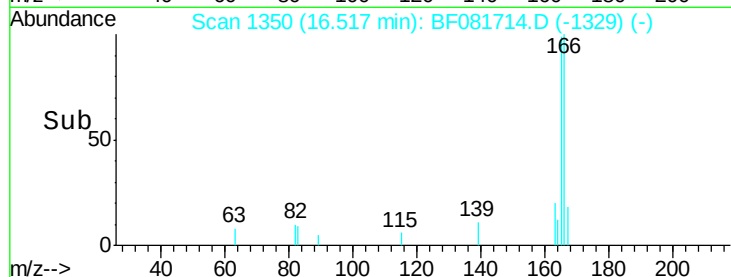
167 15.3 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.70 min Scan# 1541

Delta R.T. -0.06 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

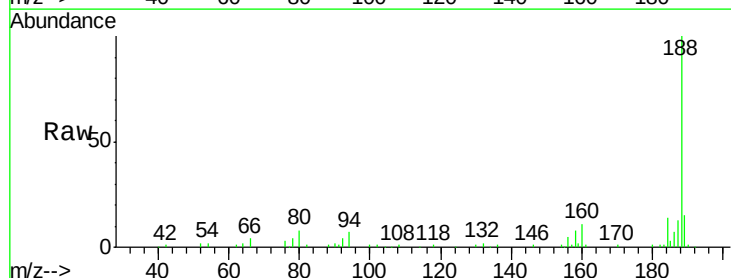
Tgt Ion:188 Resp: 136991

Ion Ratio Lower Upper

188 100

94 7.2 11.1 16.7#

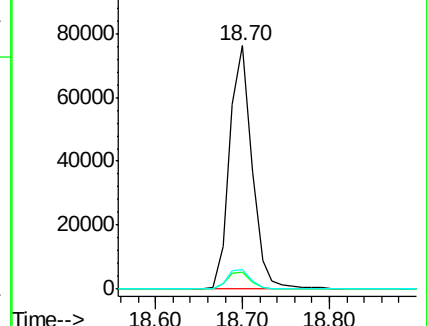
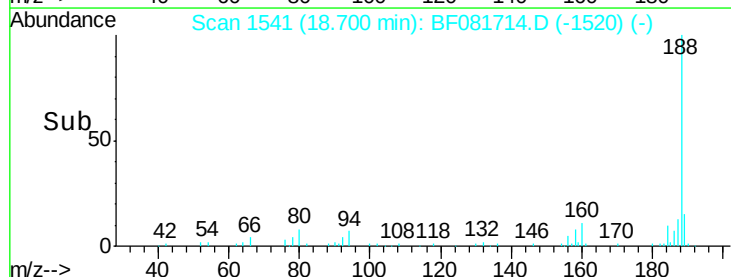
80 7.9 11.0 16.4#

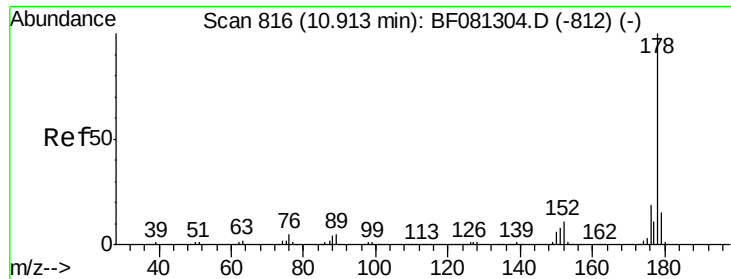


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.00 ng

RT: 18.75 min Scan# 1545

Delta R.T. -0.08 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

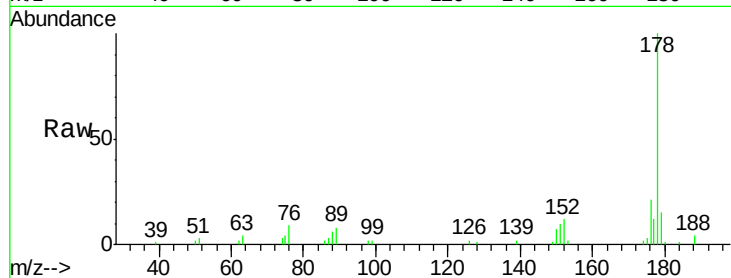
Tgt Ion:178 Resp: 68552

Ion Ratio Lower Upper

178 100

176 20.7 13.8 20.8

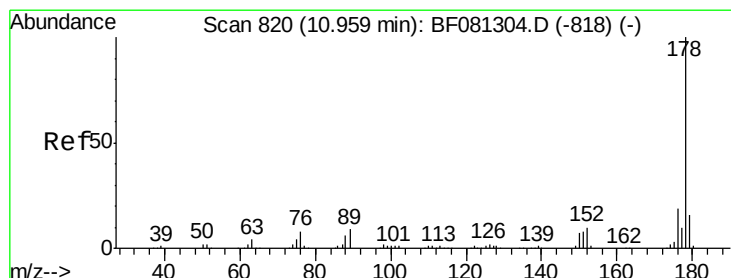
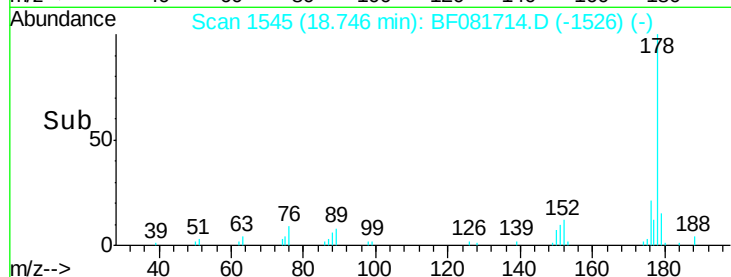
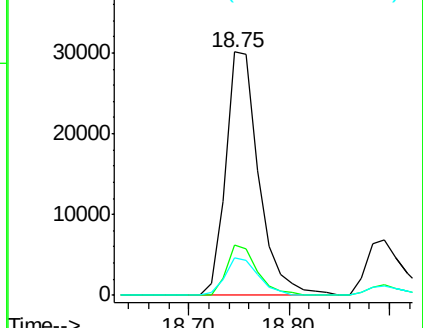
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.27 ng

RT: 18.89 min Scan# 1558

Delta R.T. -0.06 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

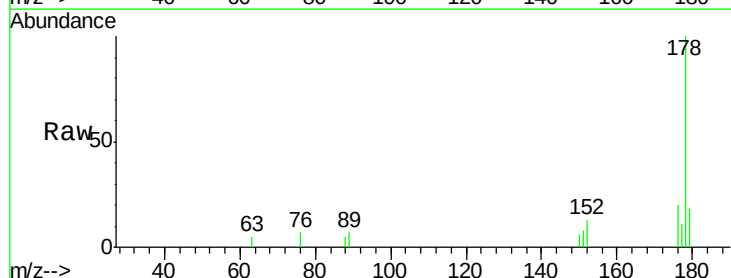
Tgt Ion:178 Resp: 17761

Ion Ratio Lower Upper

178 100

176 20.1 14.1 21.1

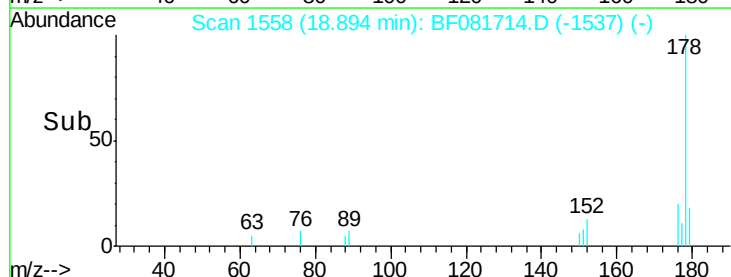
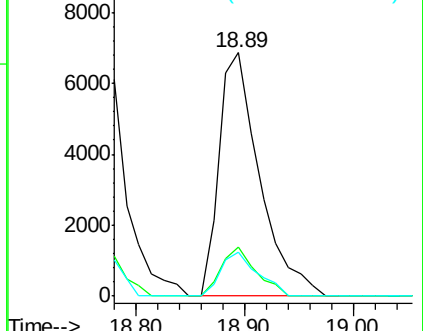
179 18.0 12.2 18.2

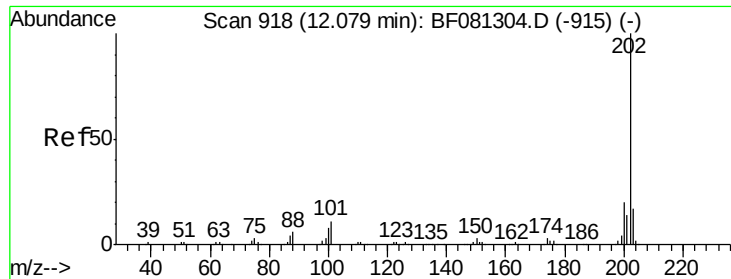


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.29 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL3

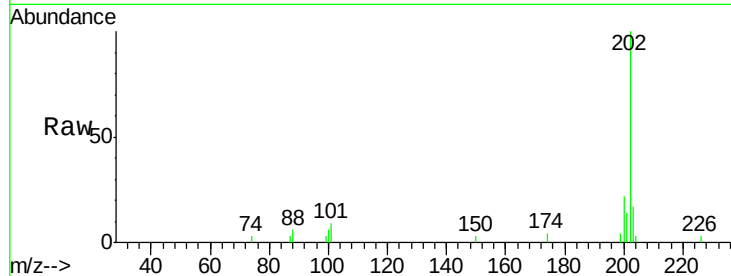
Tgt Ion:202 Resp: 18909

Ion Ratio Lower Upper

202 100

101 9.1 0.0 38.3

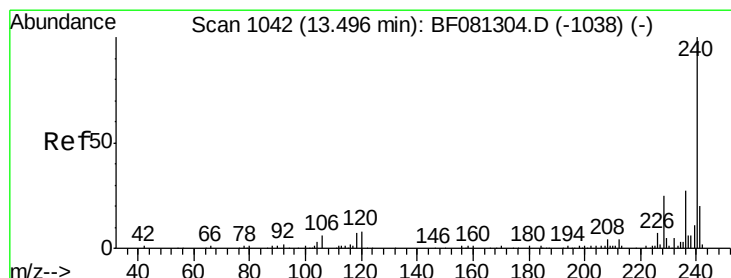
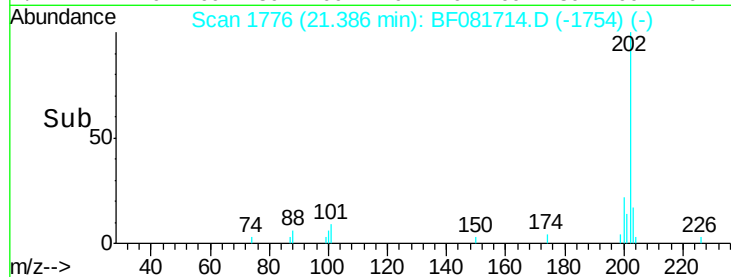
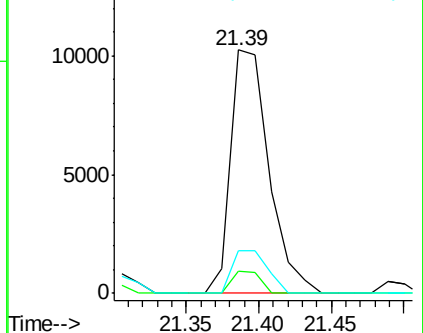
203 17.3 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081714.D

Acq: 21 Sep 2015 14:45

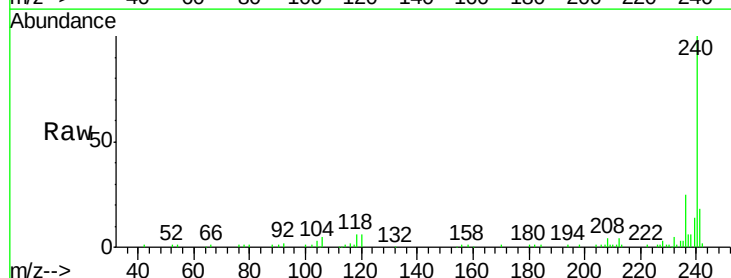
Tgt Ion:240 Resp: 116233

Ion Ratio Lower Upper

240 100

120 6.4 16.2 24.2#

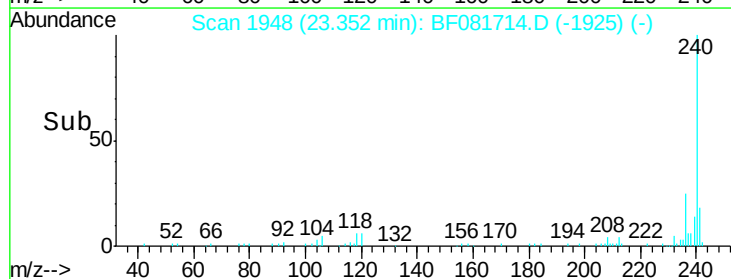
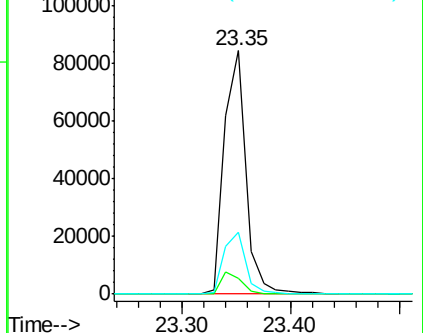
236 25.3 18.4 27.6

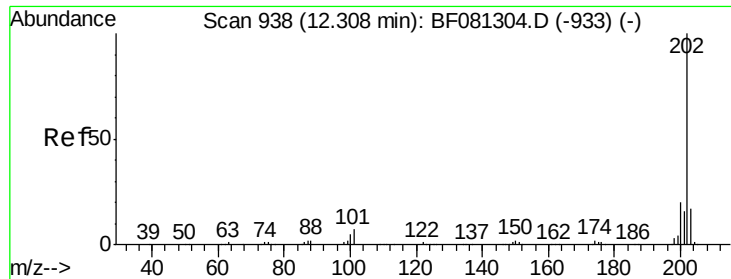


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

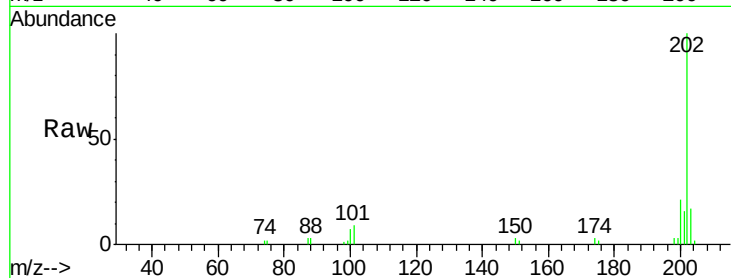




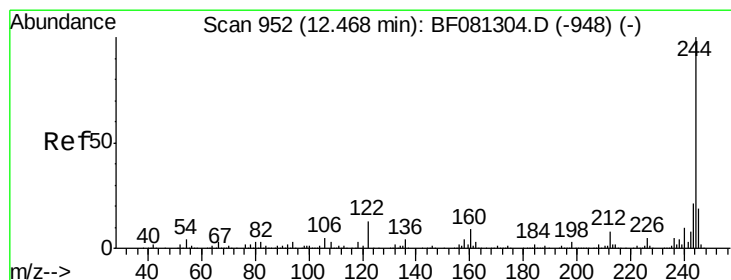
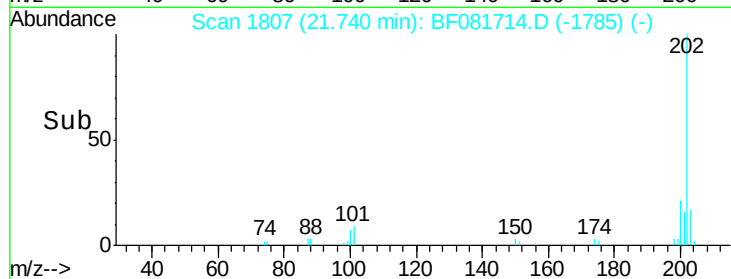
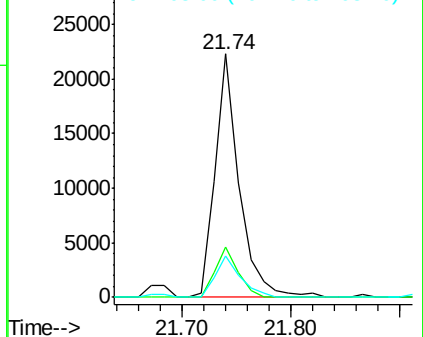
#77
Pyrene
 Concen: 4.00 ng
 RT: 21.74 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL3

Tgt Ion: 202 Resp: 34422
 Ion Ratio Lower Upper
 202 100
 200 20.6 15.0 22.4
 203 17.0 14.1 21.1

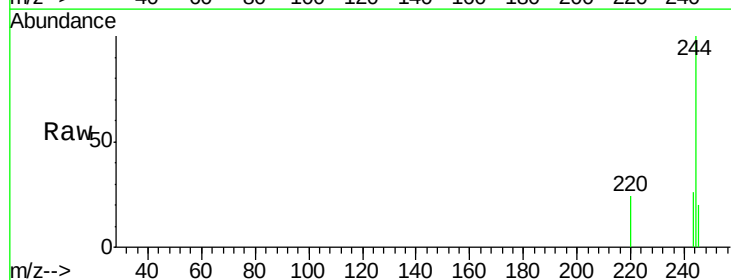


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

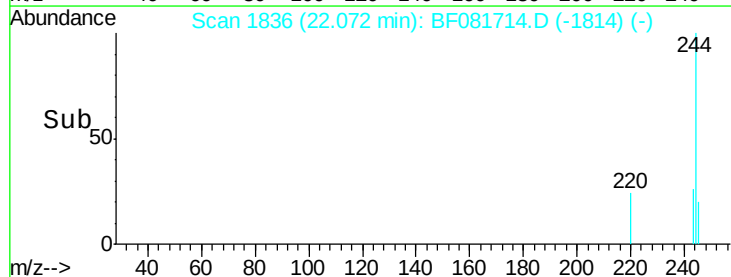
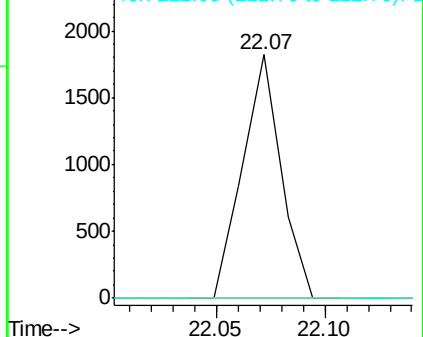


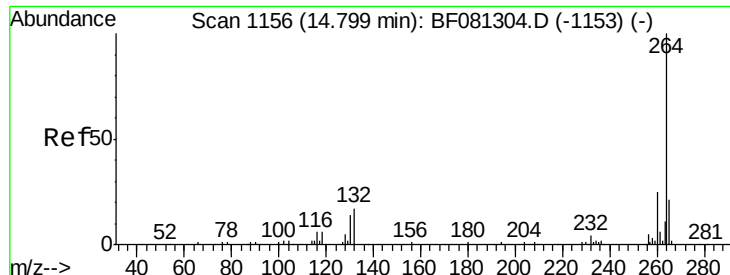
#78
Terphenyl-d14
 Concen: 0.45 ng
 RT: 22.07 min Scan# 1836
 Delta R.T. -0.04 min
 Lab File: BF081714.D
 Acq: 21 Sep 2015 14:45

Tgt Ion: 244 Resp: 2238
 Ion Ratio Lower Upper
 244 100
 212 0.0 4.3 6.5#
 122 0.0 17.4 26.2#



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

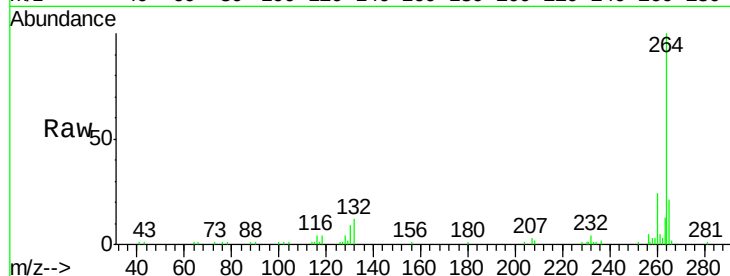




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081714.D
Acq: 21 Sep 2015 14:45

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL3

Tgt Ion: 264 Resp: 81276
Ion Ratio Lower Upper
264 100
260 23.7 16.7 25.1
265 20.6 17.2 25.8



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

