

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
 Data File : BF081747.D
 Acq On : 22 Sep 2015 19:26
 Operator : UM/IZ
 Sample : G3654-05DL3 200X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

Quant Time: Sep 23 04:59:11 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	42125	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	171433	20.00	ng	-0.01
38) Acenaphthene-d10	15.16	164	78494	20.00	ng	-0.01
63) Phenanthrene-d10	18.67	188	155541	20.00	ng	-0.01
75) Chrysene-d12	23.33	240	101057	20.00	ng	0.00
86) Perylene-d12	24.77	264	75157	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	13.68	172	2652	0.43	ng	-0.01
78) Terphenyl-d14	22.05	244	3359	0.77	ng	0.00

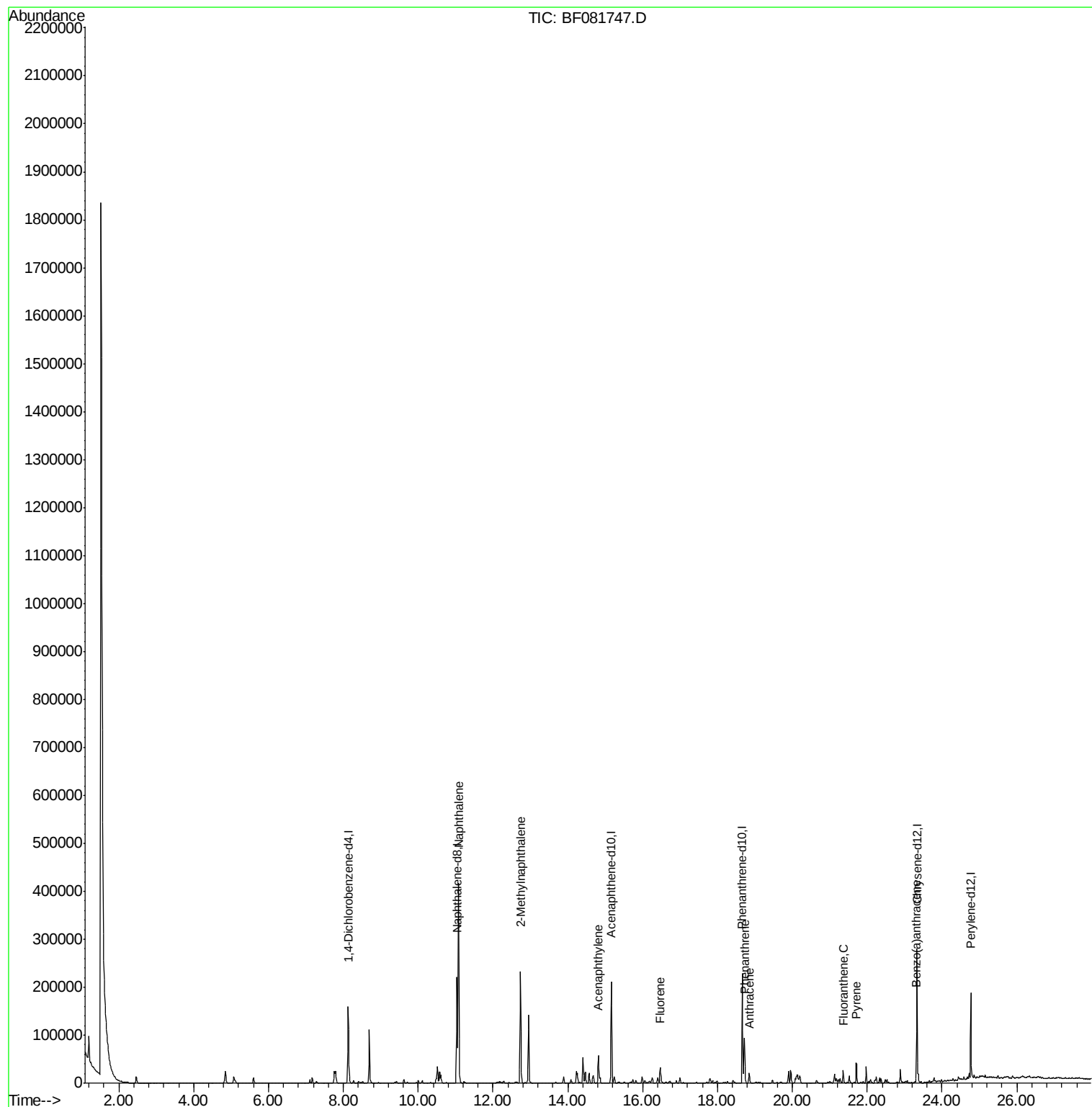
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.09	128	364398	39.86	ng	99
37) 2-Methylnaphthalene	12.73	142	109529	18.41	ng	# 88
48) Acenaphthylene	14.81	152	50809	5.49	ng	98
57) Fluorene	16.47	166	21781	3.73	ng	# 96
70) Phenanthrene	18.72	178	79973	9.25	ng	96
71) Anthracene	18.85	178	20477	2.30	ng	97
74) Fluoranthene	21.36	202	20293	2.17	ng	85
77) Pyrene	21.72	202	33984	4.54	ng	99
80) Benzo(a)anthracene	23.32	228	14659	2.28	ng	# 81

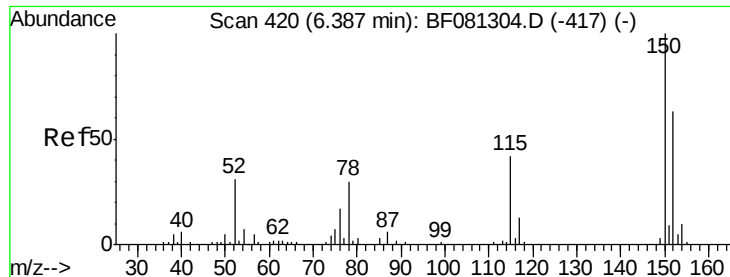
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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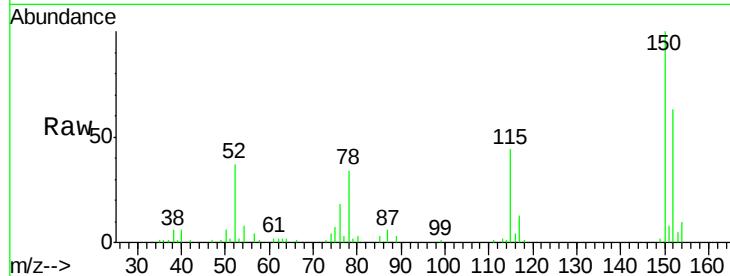


#1

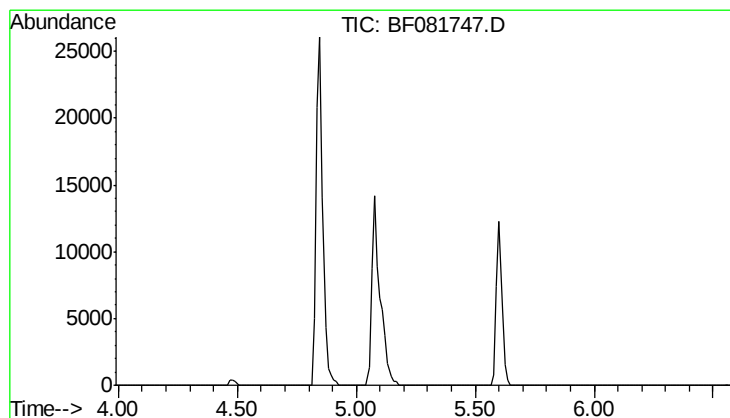
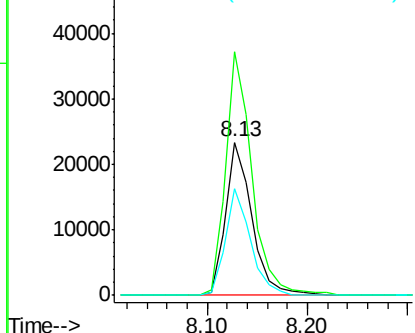
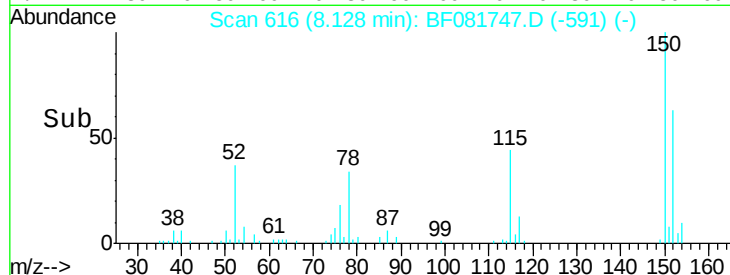
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

Tot Ion:152 Resp: 42125
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.7 187.1
 115 69.8 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

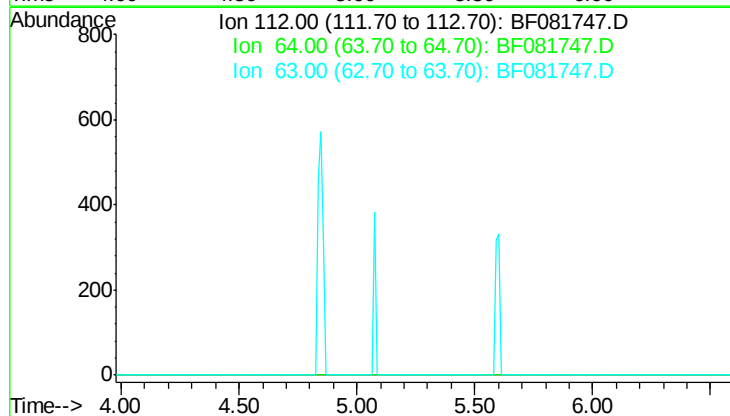


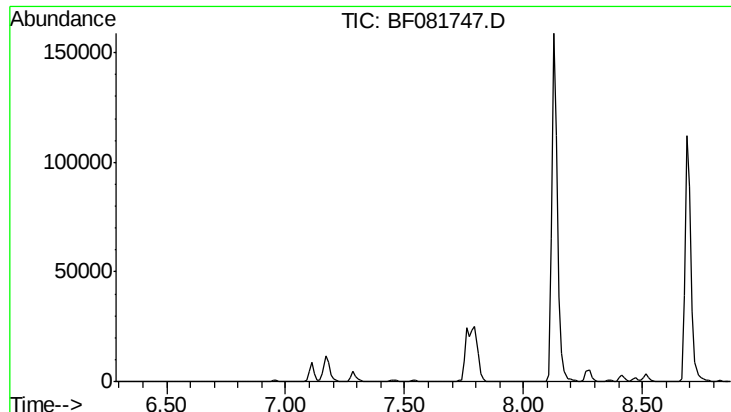
#5

2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.28 min

Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

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





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.58 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Instrument :

BNA_F

ClientSampleId :

MGP204-20-22DL3

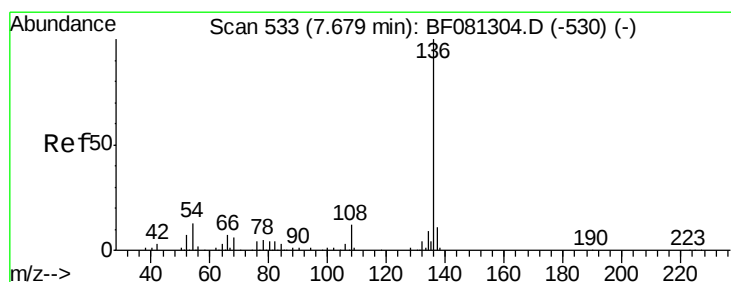
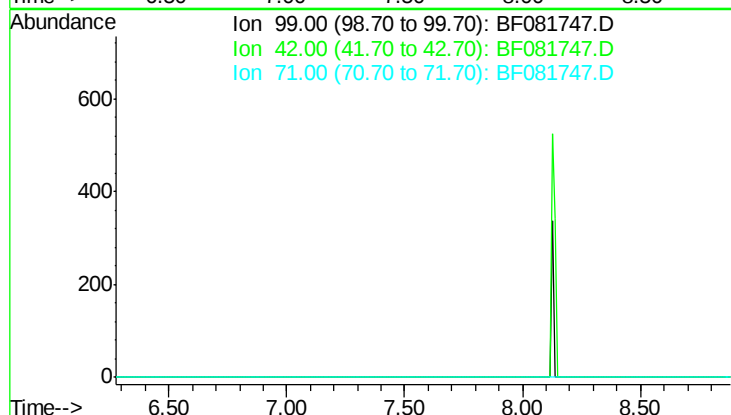
Tot Ion: 99

Sig Exp Ratio

99 100

42 17.1

71 17.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Tgt Ion: 136 Resp: 171433

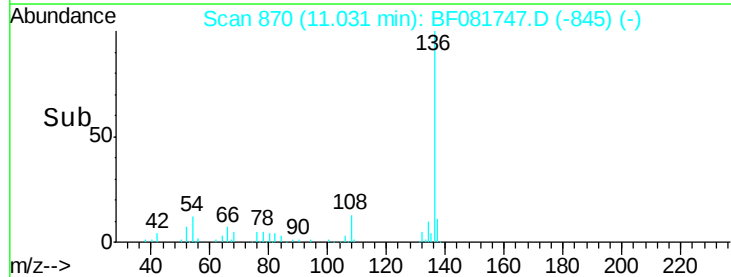
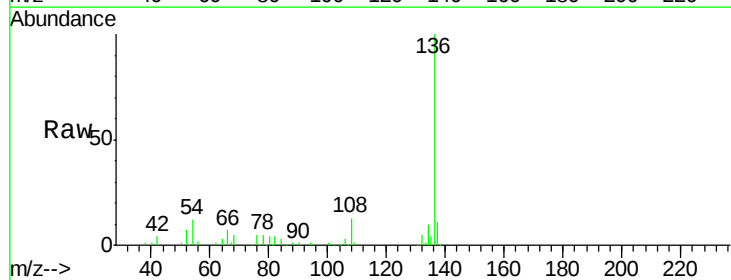
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 12.0 8.2 12.2

68 4.6 5.8 8.6#

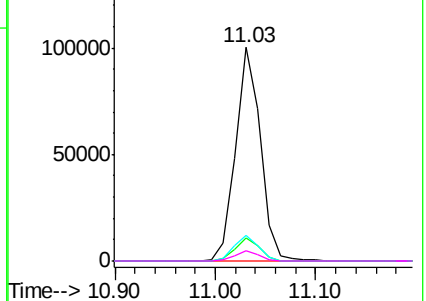


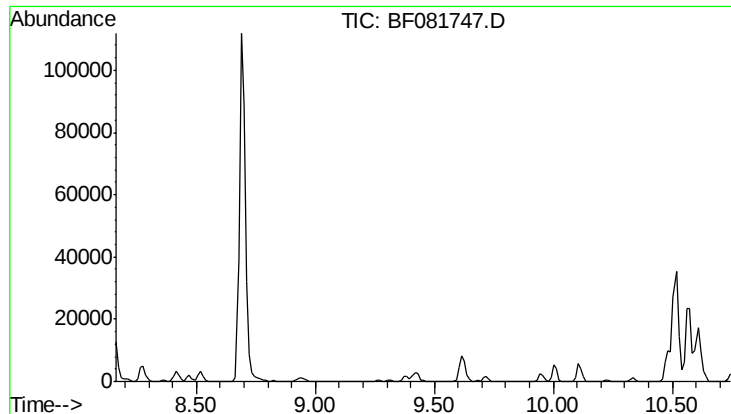
Abundance Ion 136.00 (135.70 to 136.70): E

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

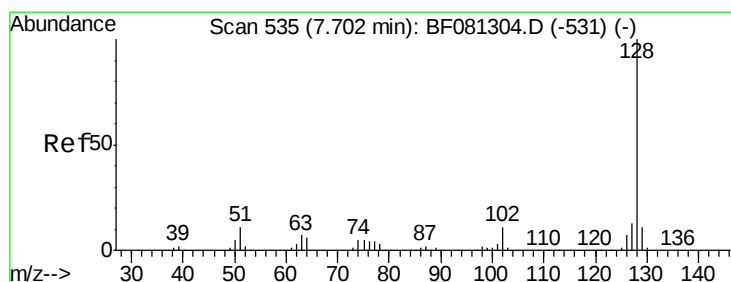
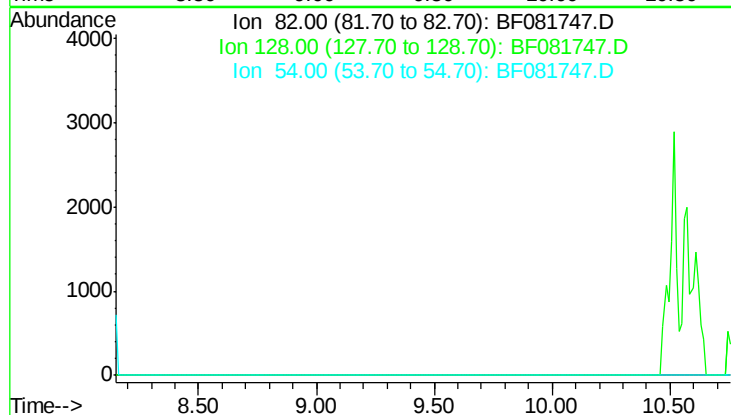




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 9.45 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

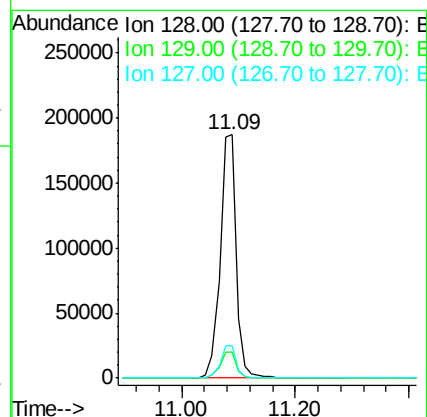
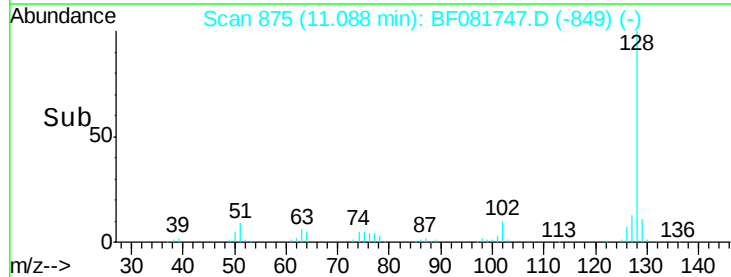
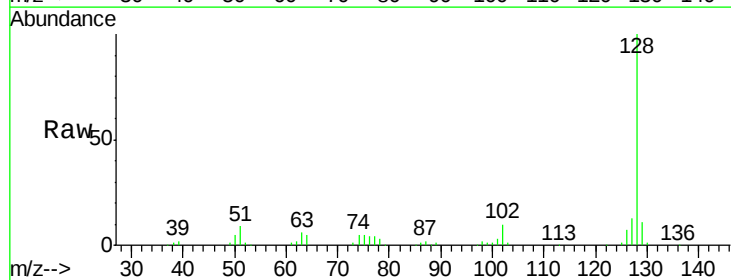
Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

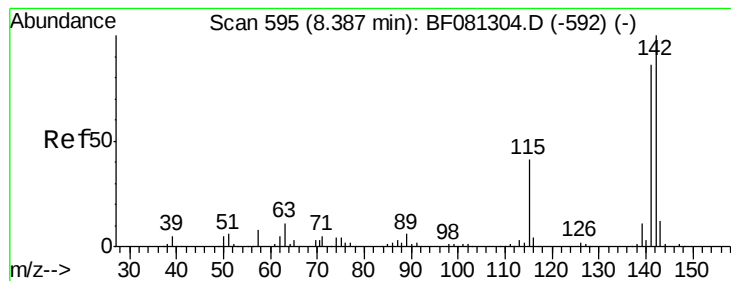
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 63.8
 54 59.4



#31
 Naphthalene
 Concen: 39.86 ng
 RT: 11.09 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

Tgt Ion:128 Resp: 364398
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.4 12.6
 127 13.3 9.9 14.9





#37

2-Methylnaphthalene

Concen: 18.41 ng

RT: 12.73 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Instrument :

BNA_F

ClientSampleId :

MGP204-20-22DL3

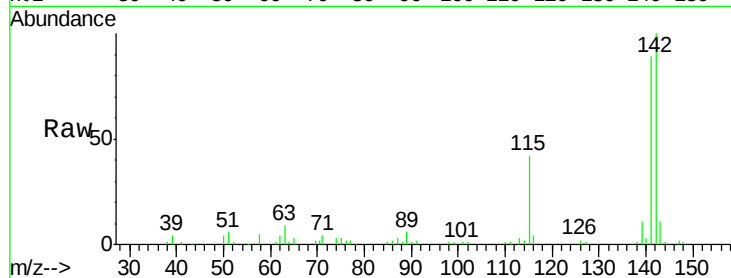
Tot Ion:142 Resp: 109529

Ion Ratio Lower Upper

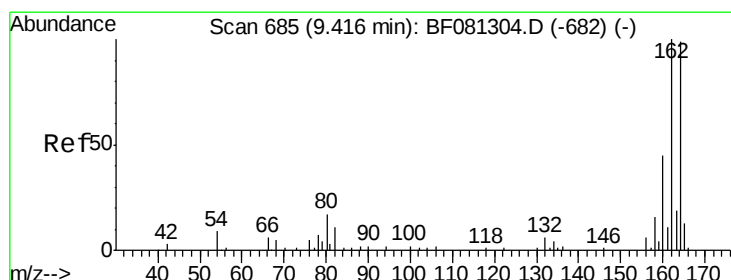
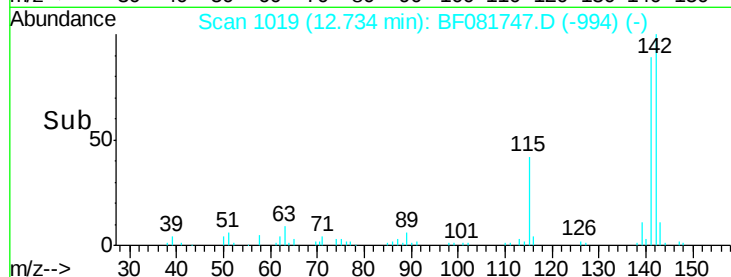
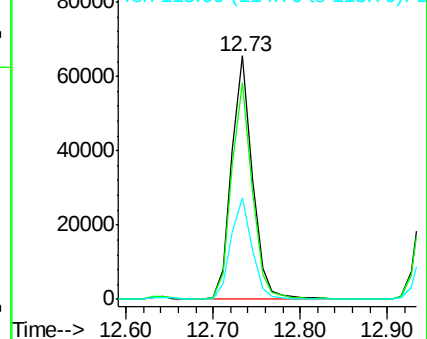
142 100

141 88.8 67.5 101.3

115 41.6 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

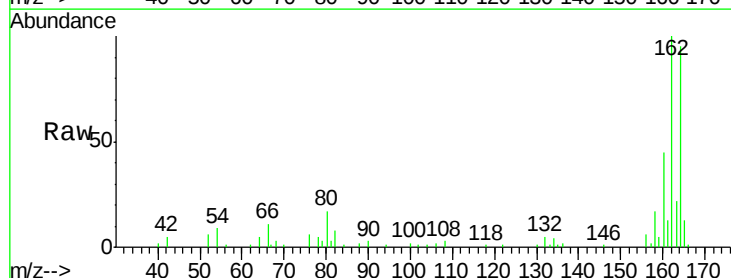
Tgt Ion:164 Resp: 78494

Ion Ratio Lower Upper

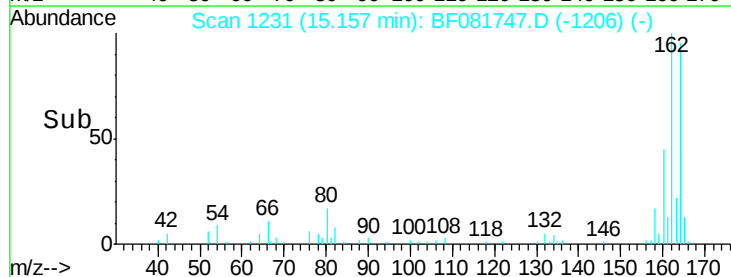
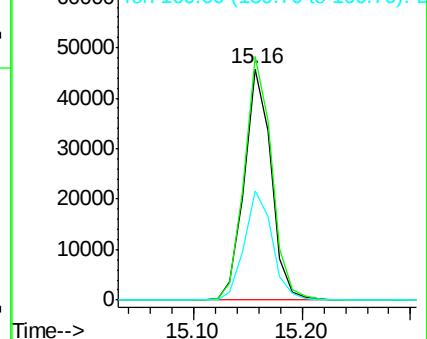
164 100

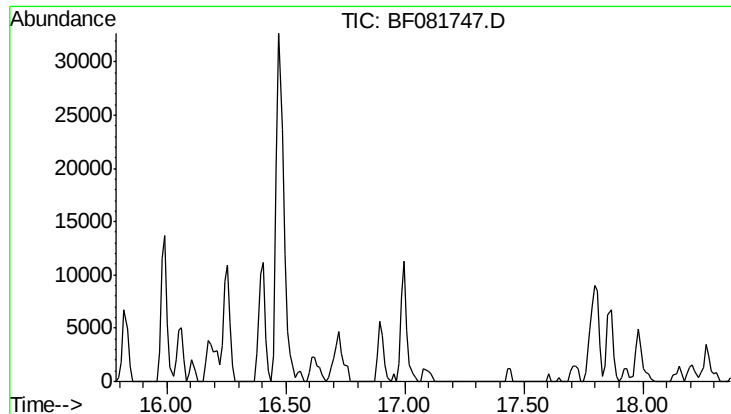
162 105.4 75.2 112.8

160 47.3 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

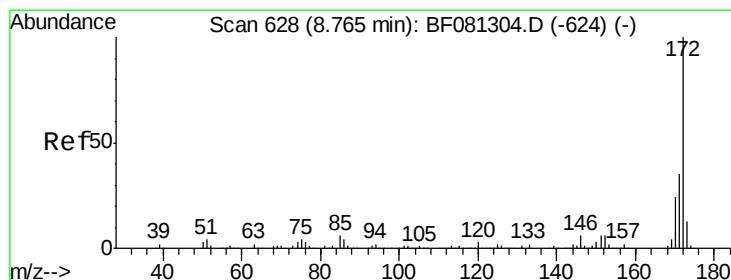
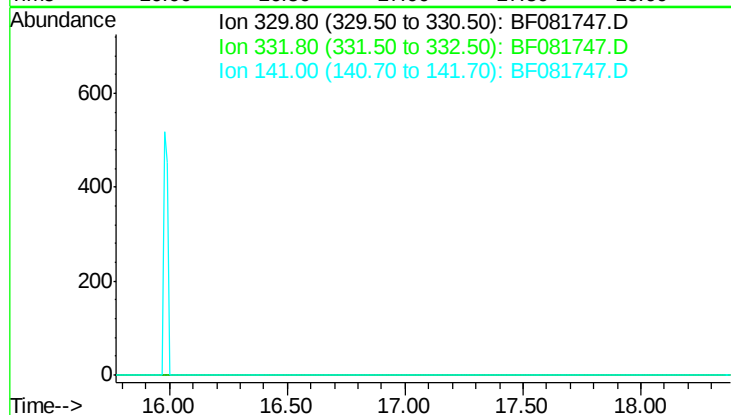




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 17.08 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

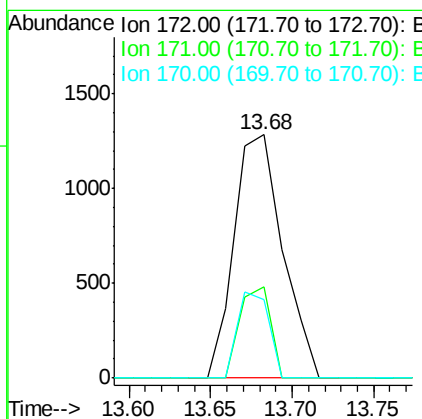
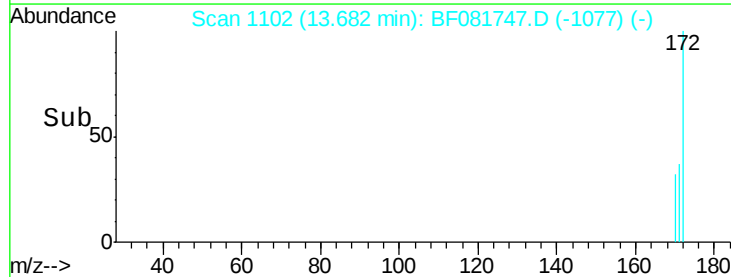
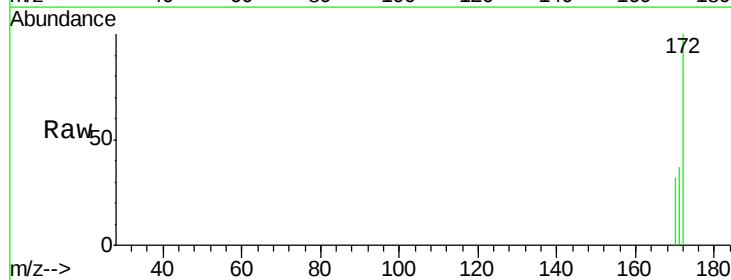
Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

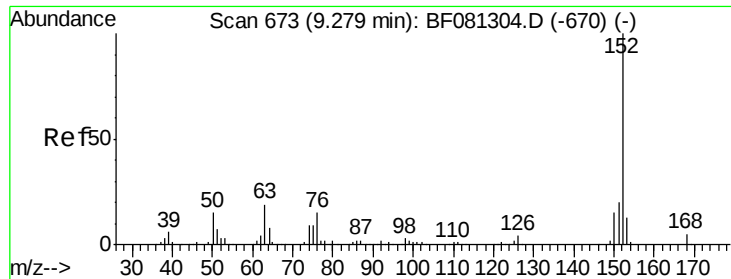
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.7
 141 37.1



#44
 2-Fluorobiphenyl
 Concen: 0.43 ng
 RT: 13.68 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

Tgt Ion: 172 Resp: 2652
 Ion Ratio Lower Upper
 172 100
 171 37.5 26.1 39.1
 170 32.2 17.4 26.2#





#48

Acenaphthylene

Concen: 5.49 ng

RT: 14.81 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Instrument :

BNA_F

ClientSampleId :

MGP204-20-22DL3

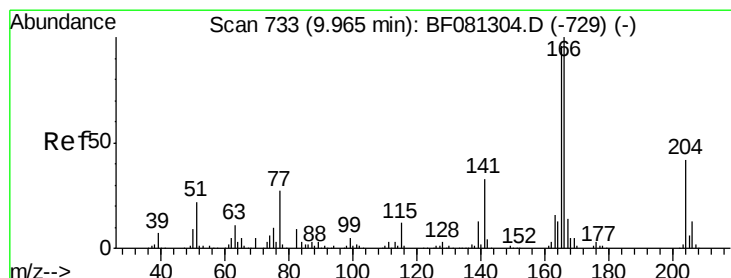
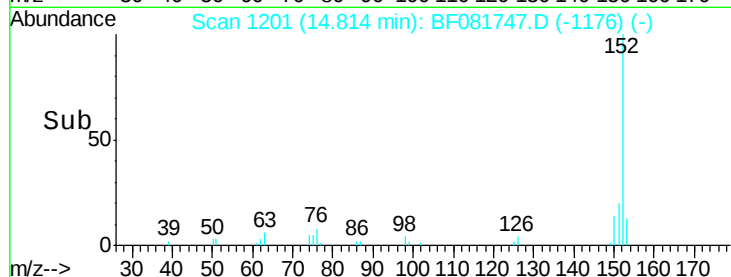
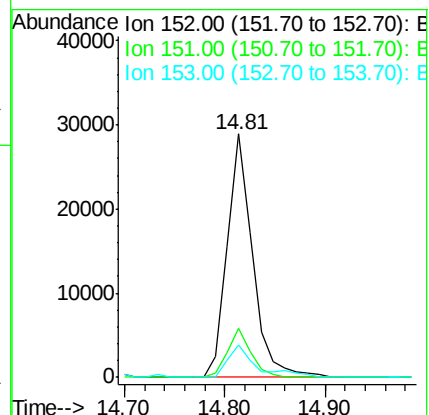
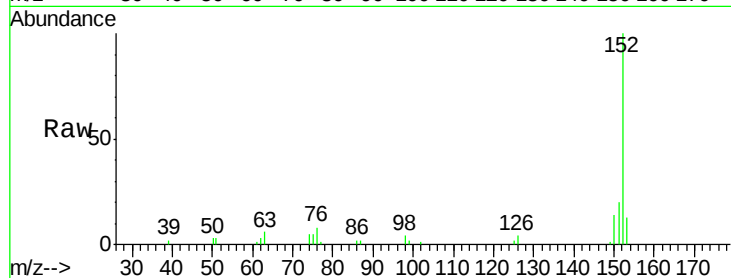
Tot Ion:152 Resp: 50809

Ion Ratio Lower Upper

152 100

151 19.9 14.6 22.0

153 13.2 10.3 15.5



#57

Fluorene

Concen: 3.73 ng

RT: 16.47 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

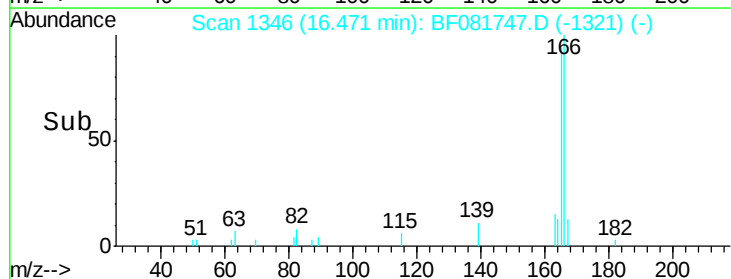
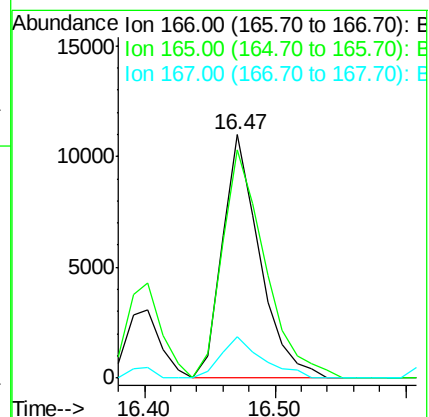
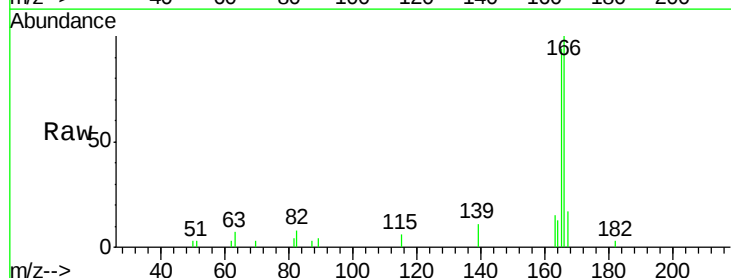
Tgt Ion:166 Resp: 21781

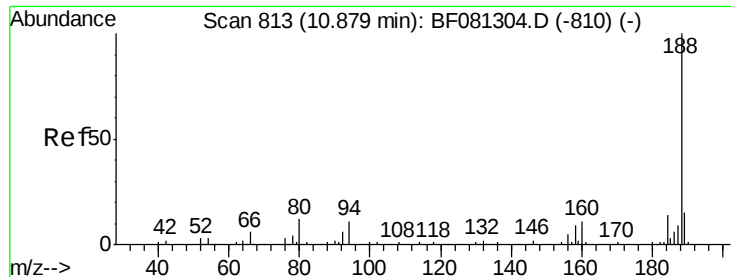
Ion Ratio Lower Upper

166 100

165 93.6 72.6 109.0

167 16.8 10.6 16.0#

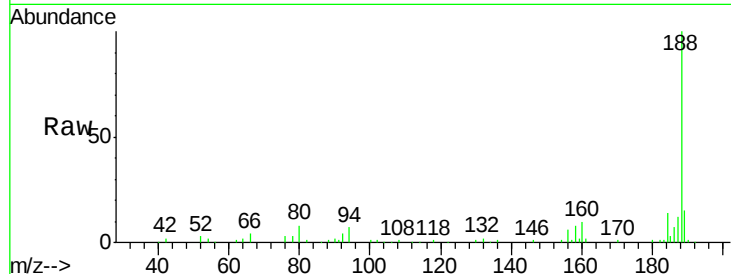




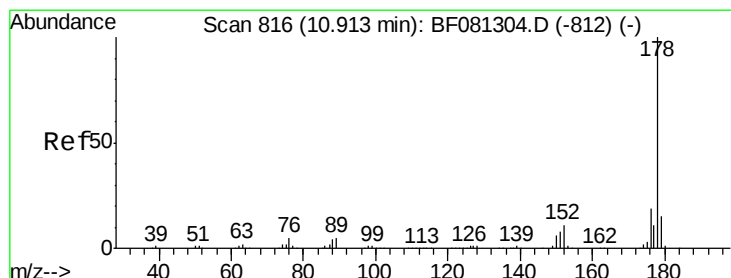
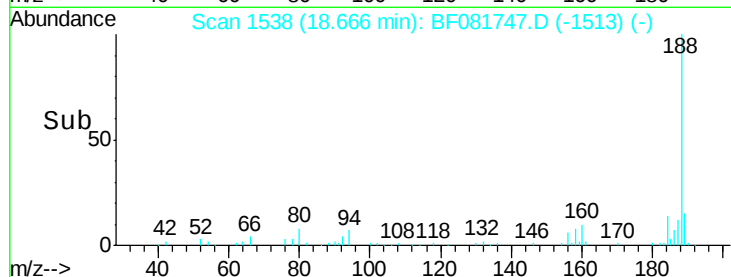
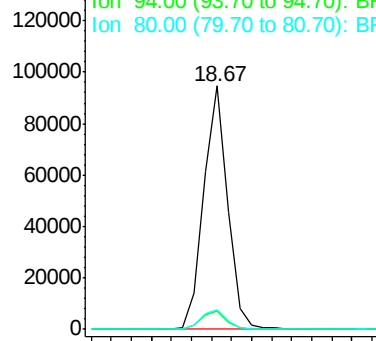
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.67 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BF081747.D
Acq: 22 Sep 2015 19:26

Instrument :
BNA_F
ClientSampleId :
MGP204-20-22DL3

Tot Ion:188 Resp: 155541
Ion Ratio Lower Upper
188 100
94 7.3 11.1 16.7#
80 8.1 11.0 16.4#

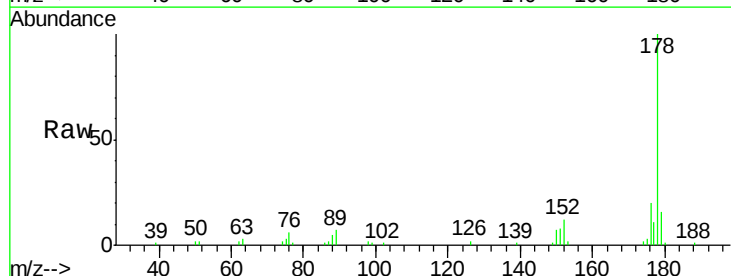


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

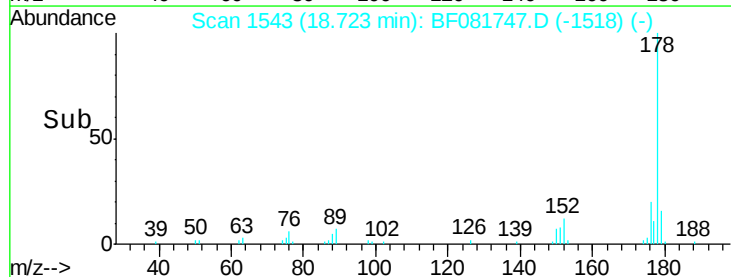
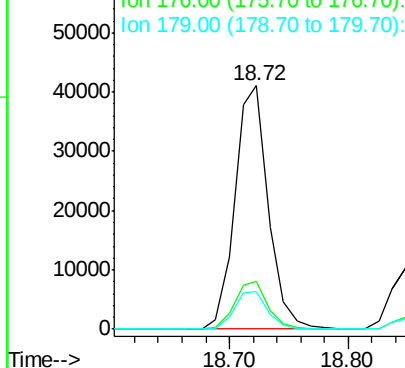


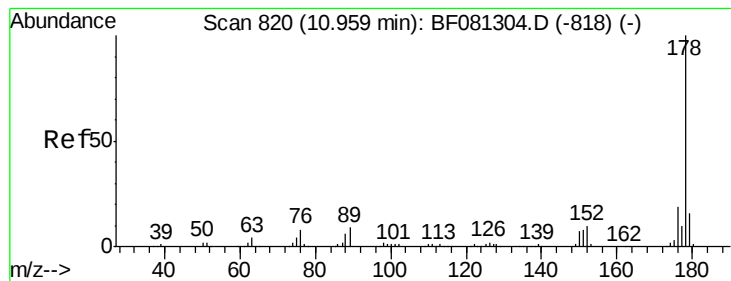
#70
Phenanthrene
Concen: 9.25 ng
RT: 18.72 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF081747.D
Acq: 22 Sep 2015 19:26

Tgt Ion:178 Resp: 79973
Ion Ratio Lower Upper
178 100
176 19.8 13.8 20.8
179 15.6 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: 2.30 ng

RT: 18.85 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Instrument :

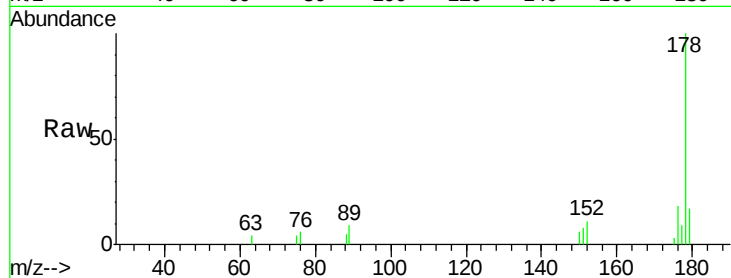
BNA_F

ClientSampleId :

MGP204-20-22DL3

Tot Ion:178 Resp: 20477

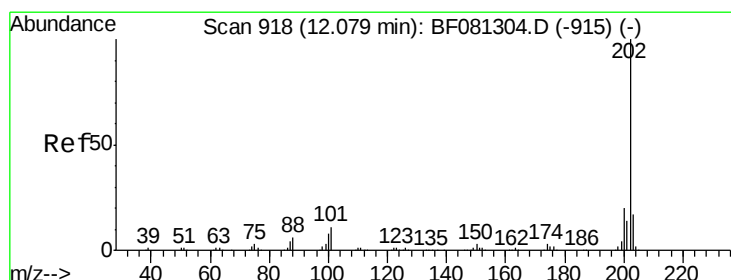
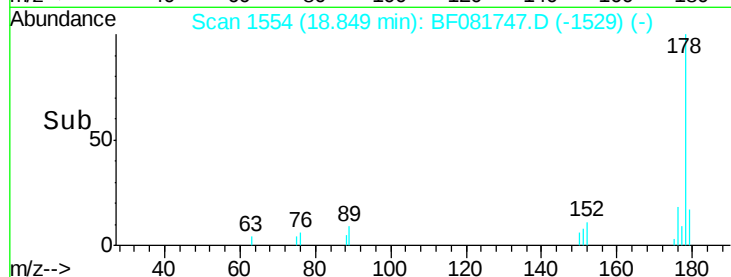
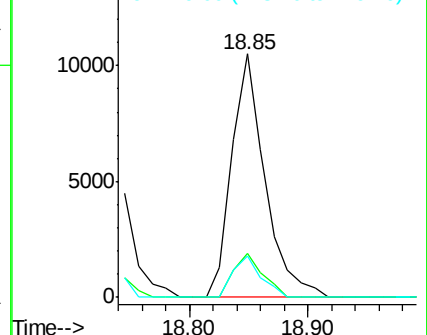
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	17.2	12.2	18.2



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



#74

Fluoranthene

Concen: 2.17 ng

RT: 21.36 min Scan# 1774

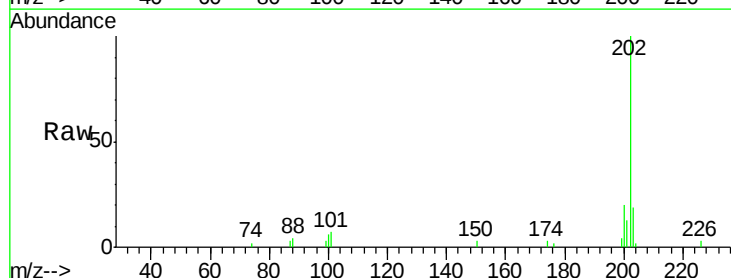
Delta R.T. 0.00 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Tgt Ion:202 Resp: 20293

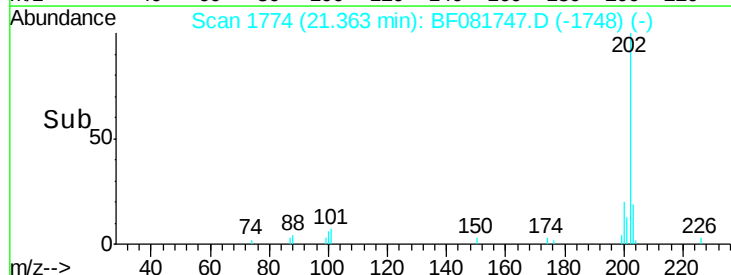
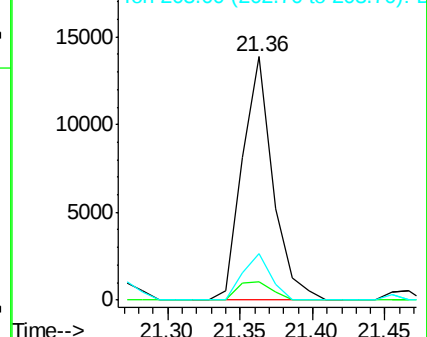
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	38.3
203	19.2	0.0	37.3

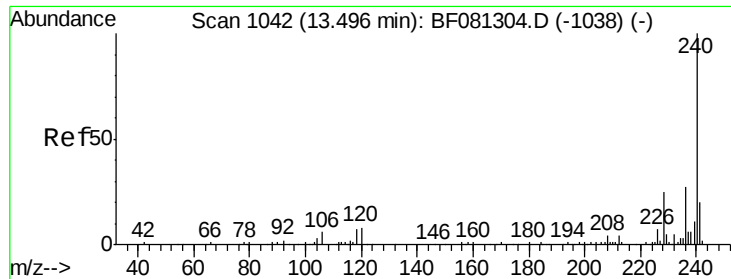


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

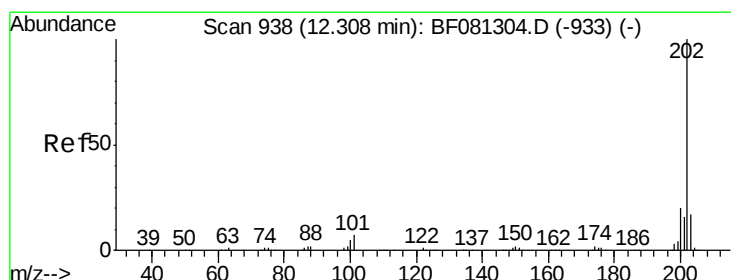
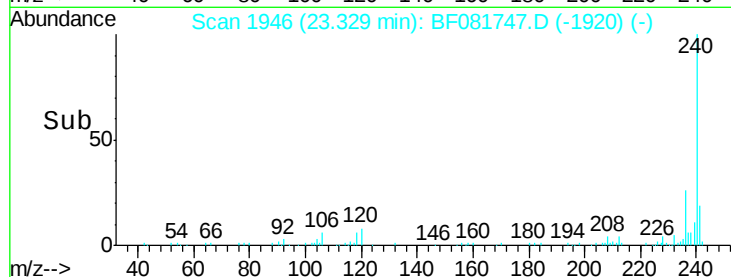
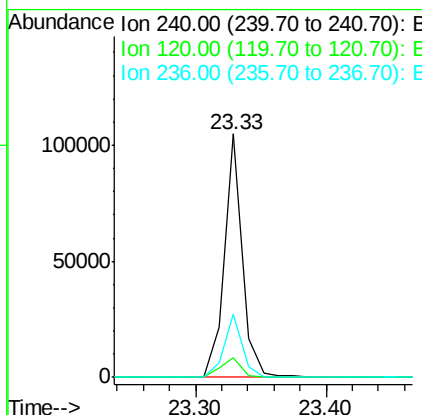
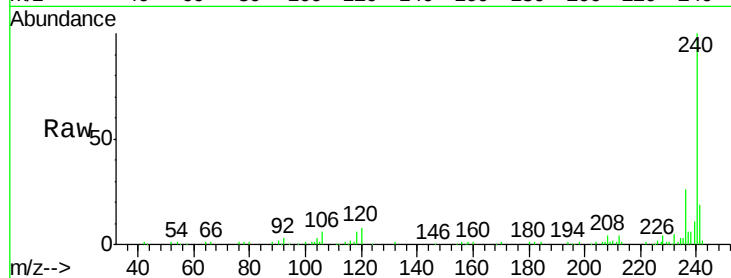




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.33 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

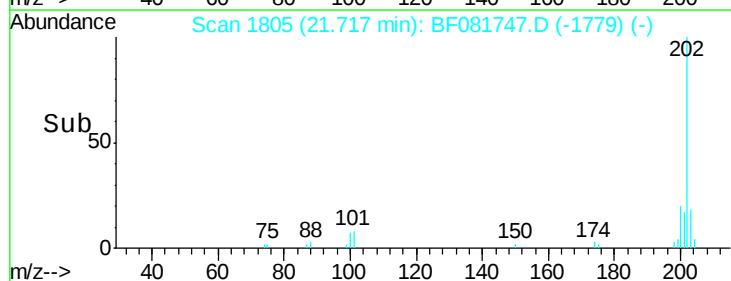
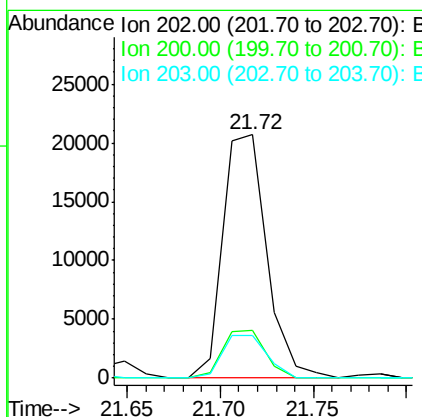
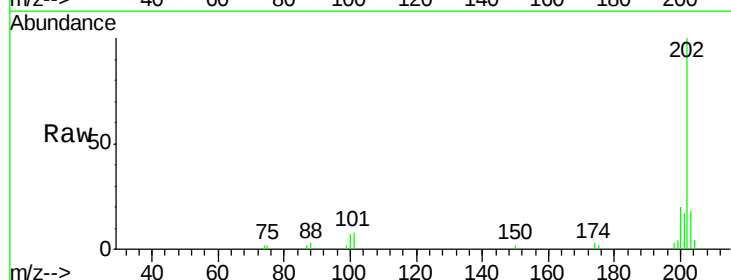
Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

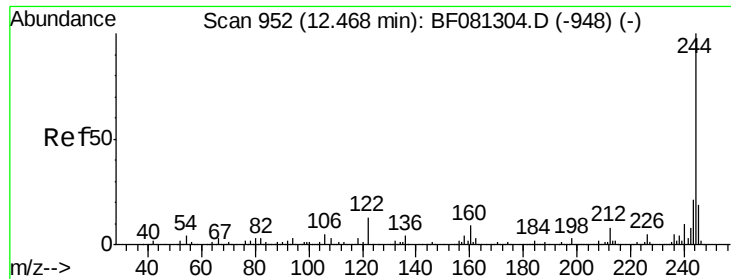
Tot Ion:240 Resp: 101057
 Ion Ratio Lower Upper
 240 100
 120 7.8 16.2 24.2#
 236 26.0 18.4 27.6



#77
 Pyrene
 Concen: 4.54 ng
 RT: 21.72 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

Tgt Ion:202 Resp: 33984
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.0 22.4
 203 17.8 14.1 21.1





#78

Terphenyl-d14

Concen: 0.77 ng

RT: 22.05 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

Instrument :

BNA_F

ClientSampleId :

MGP204-20-22DL3

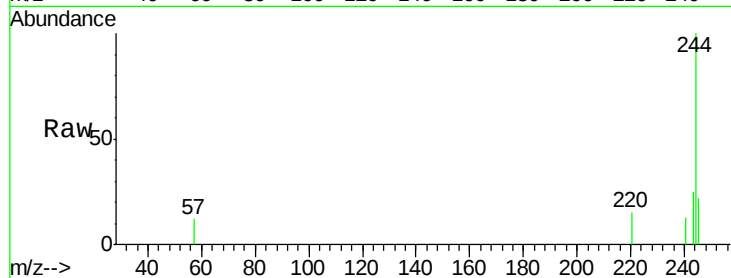
Tot Ion:244 Resp: 3359

Ion Ratio Lower Upper

244 100

212 0.0 4.3 6.5#

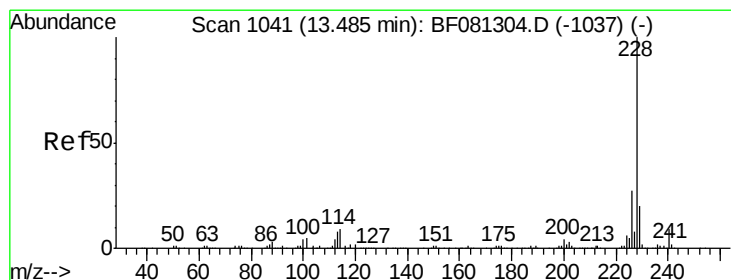
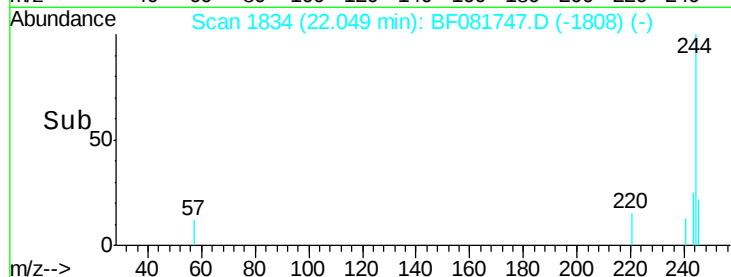
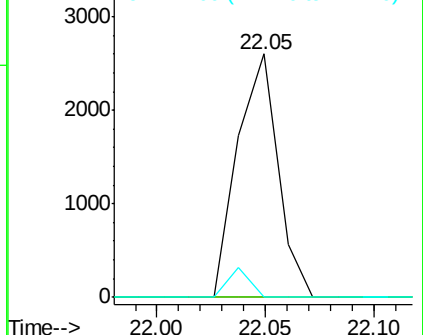
122 0.0 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 2.28 ng

RT: 23.32 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BF081747.D

Acq: 22 Sep 2015 19:26

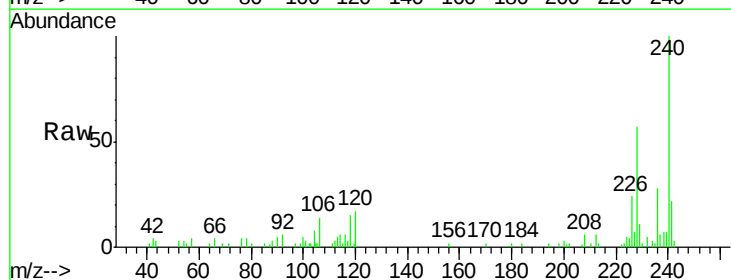
Tgt Ion:228 Resp: 14659

Ion Ratio Lower Upper

228 100

226 41.4 20.0 30.0#

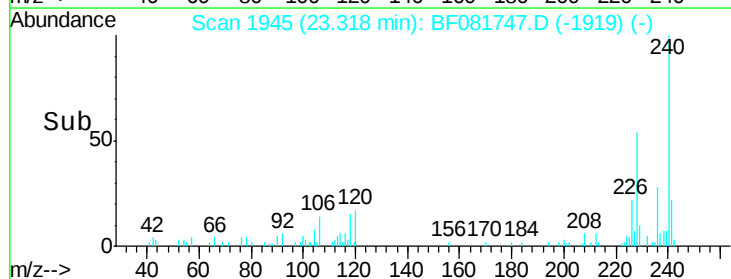
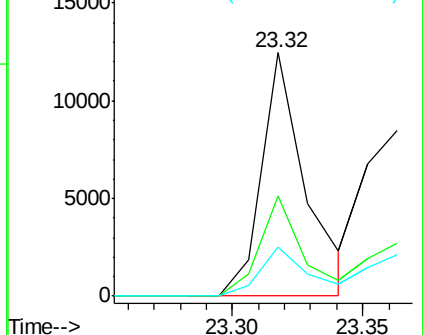
229 20.2 15.4 23.2

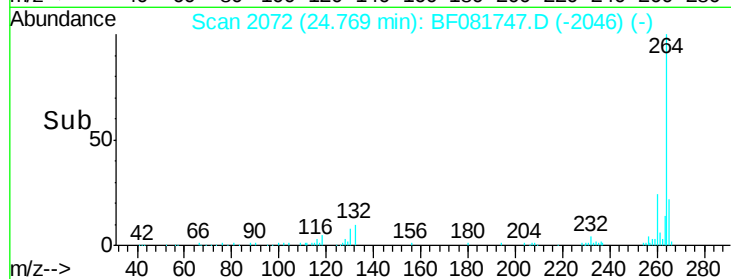
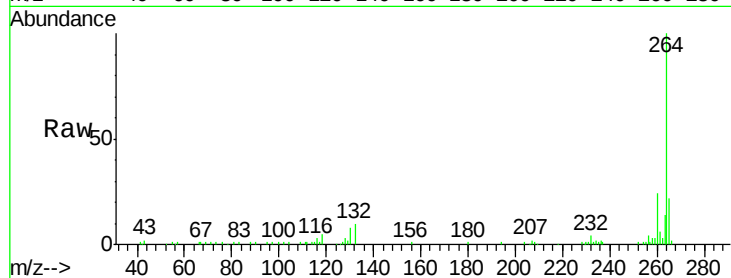
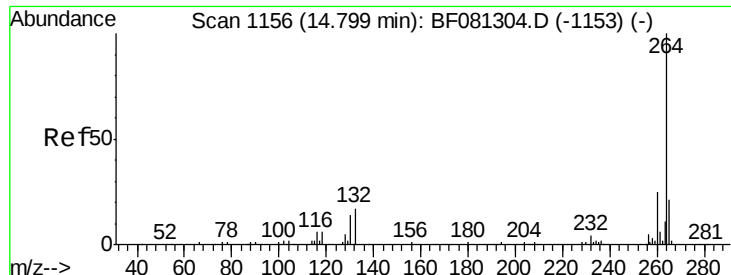


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.77 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: BF081747.D
 Acq: 22 Sep 2015 19:26

Instrument :
 BNA_F
 ClientSampleId :
 MGP204-20-22DL3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	21.9	17.2	25.8

