

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
 Data File : BF081781.D
 Acq On : 25 Sep 2015 00:02
 Operator : UM/IZ
 Sample : G3748-04DL2 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12DL2

Manual Integrations
 APPROVED

MMDadoda
 9/25/2015 3:37:37 PM

Quant Time: Sep 25 07:07:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:04:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	209606m	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	871773	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	420061	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	775248	20.00	ng	0.00
75) Chrysene-d12	14.12	240	631306	20.00	ng	0.00
86) Perylene-d12	15.58	264	482810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	19192	1.55	ng	-0.01
7) Phenol-d6	6.55	99	25376	1.62	ng	-0.02
23) Nitrobenzene-d5	7.51	82	12338	0.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	3679	1.01	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	34235	1.34	ng	-0.01
78) Terphenyl-d14	13.05	244	33395	1.21	ng	-0.01
Target Compounds						
31) Naphthalene	8.26	128	883411	21.97	ng	Qvalue 97
37) 2-Methylnaphthalene	8.95	142	311017	10.85	ng	# 90
51) Acenaphthene	10.02	154	102962	4.00	ng	87
57) Fluorene	10.54	166	170957	5.89	ng	92
70) Phenanthrene	11.50	178	653308	14.74	ng	96
71) Anthracene	11.55	178	170597	3.99	ng	100
74) Fluoranthene	12.69	202	255621	5.72	ng	93
77) Pyrene	12.91	202	386703	8.12	ng	97
80) Benzo(a)anthracene	14.10	228	115933m	3.03	ng	
82) Chrysene	14.14	228	115641m	3.15	ng	
89) Benzo(a)pyrene	15.51	252	71434	2.76	ng	# 88

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

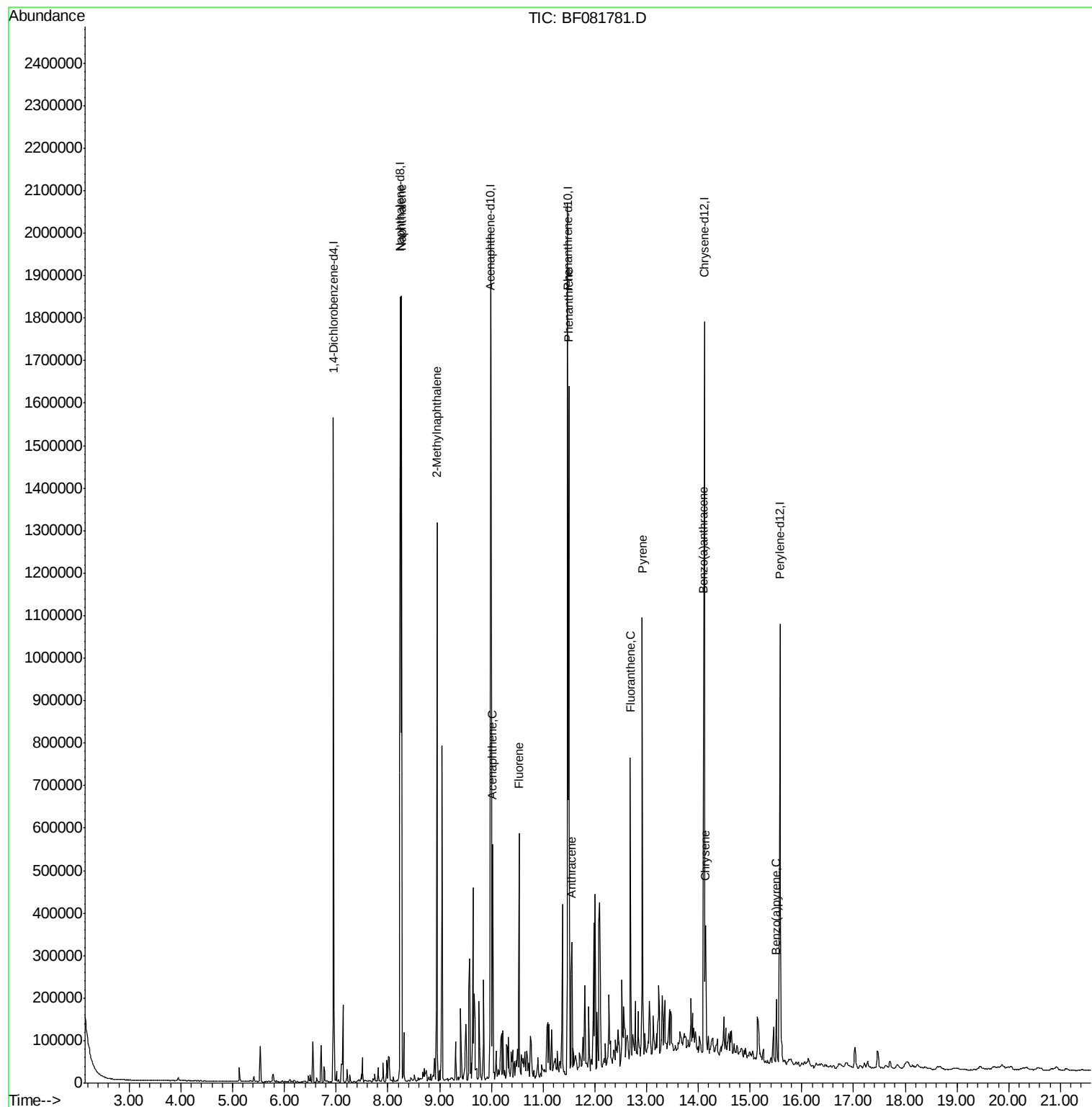
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081781.D
Acq On : 25 Sep 2015 00:02
Operator : UM/IZ
Sample : G3748-04DL2 50X
Misc :
ALS Vial : 14 Sample Multiplier: 1

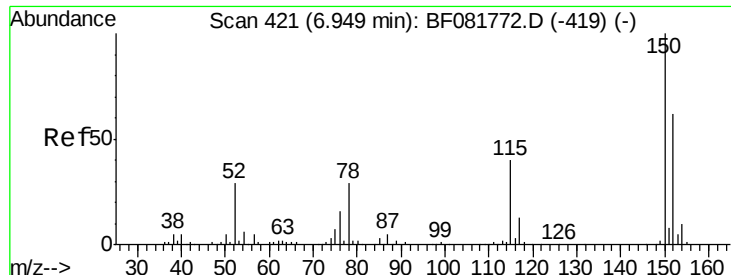
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM

Quant Time: Sep 25 07:07:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 25 06:04:07 2015
Response via : Initial Calibration





#1

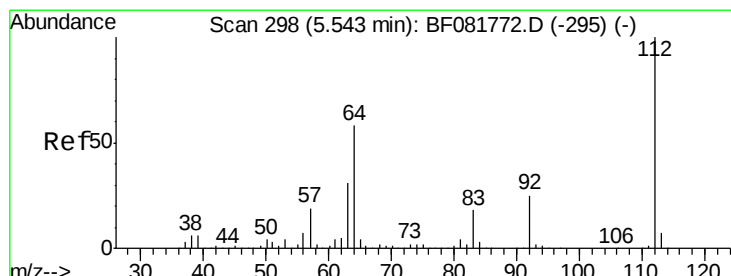
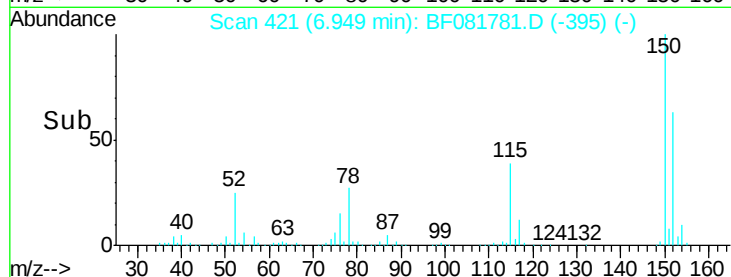
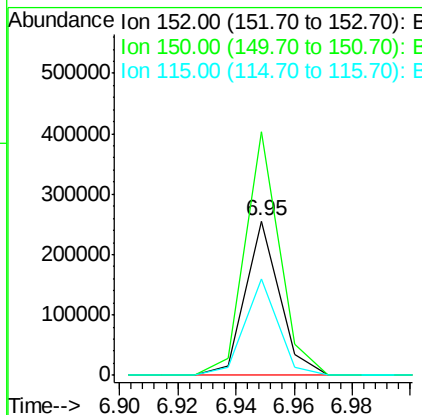
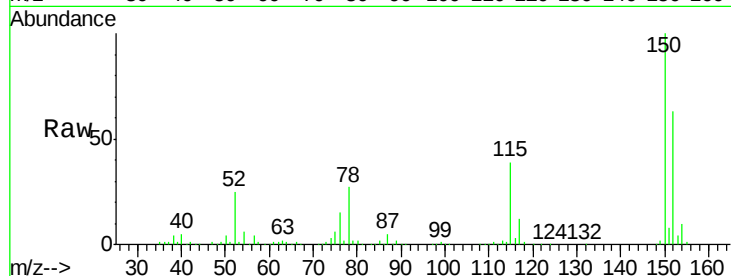
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.95 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.7	187.1
115	62.2	39.0	58.4

Manual Integrations
APPROVED

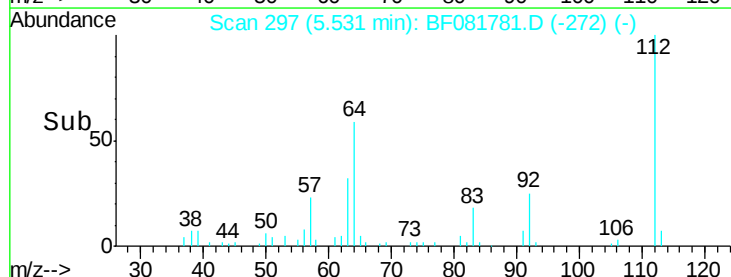
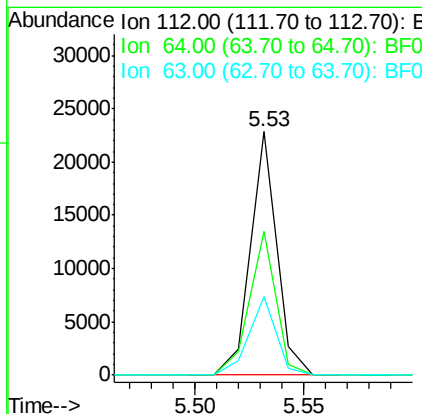
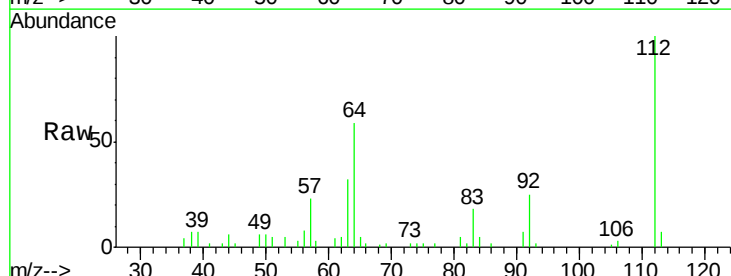
MMDadoda
9/25/2015 3:37:37 PM

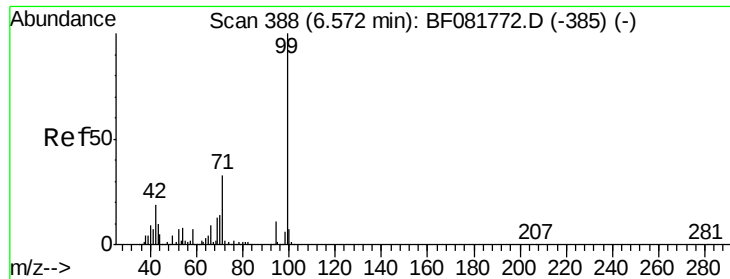


#5

2-Fluorophenol
Concen: 1.55 ng
RT: 5.53 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	39.7	59.5
63	32.0	17.4	26.0





#7

Phenol-d6

Concen: 1.62 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

Tgt Ion: 99 Resp: 25376

Ion Ratio Lower Upper

99 100

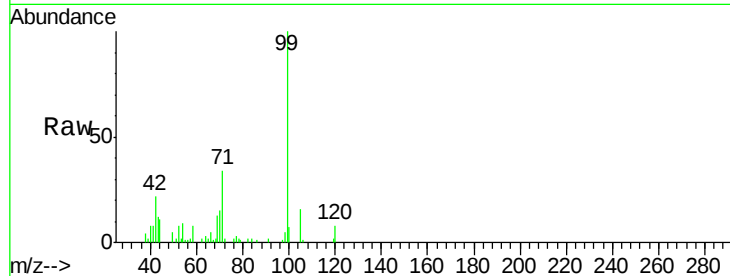
42 22.0 13.7 20.5#

71 34.0 14.2 21.2#

Manual Integrations
APPROVED

MMDadoda

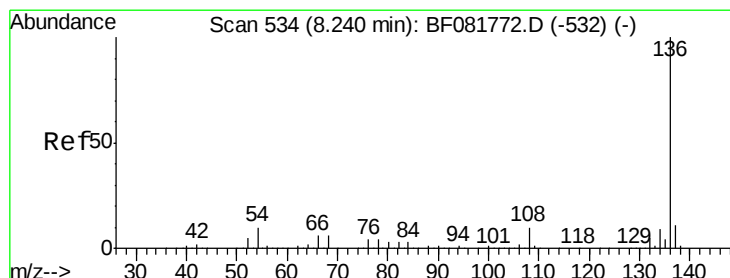
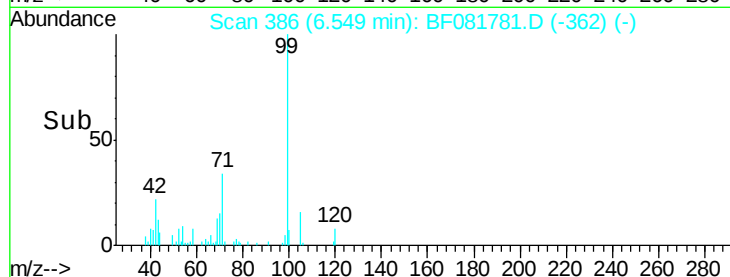
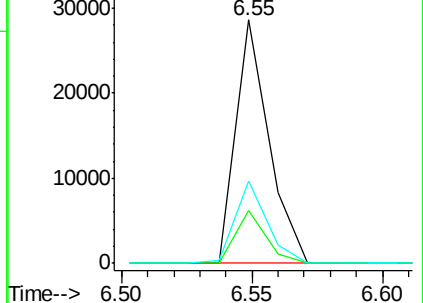
9/25/2015 3:37:37 PM



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Tgt Ion: 136 Resp: 871773

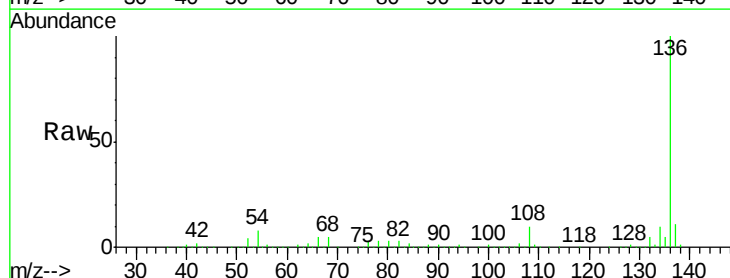
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 8.1 8.2 12.2#

68 5.4 5.8 8.6#

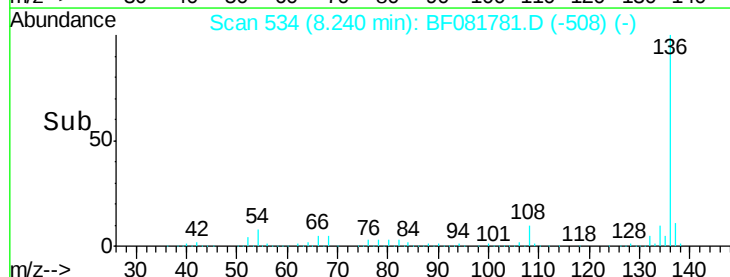
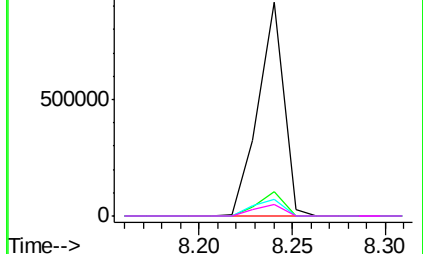


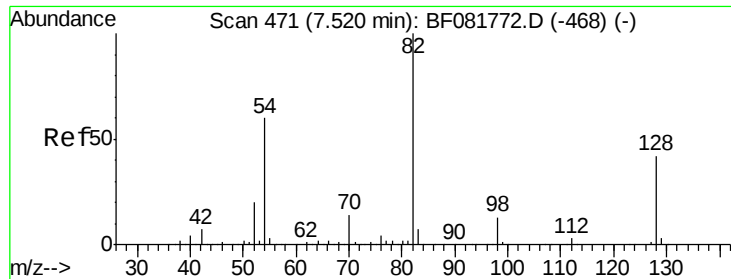
Abundance Ion 136.00 (135.70 to 136.70): E

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





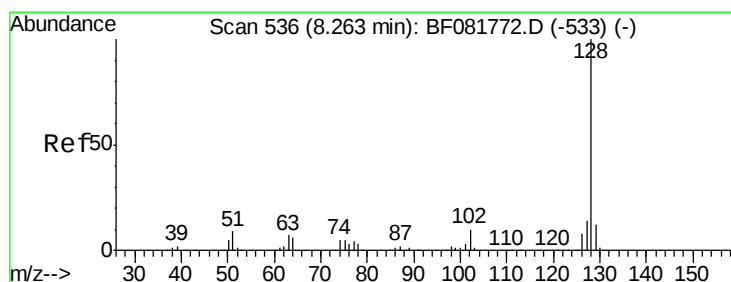
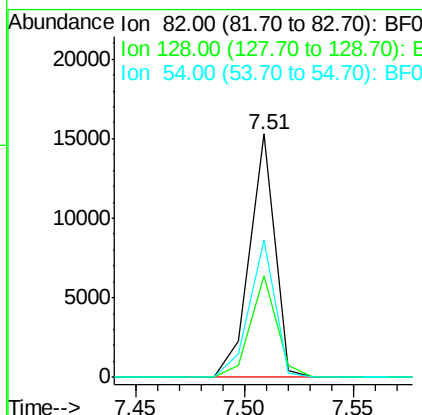
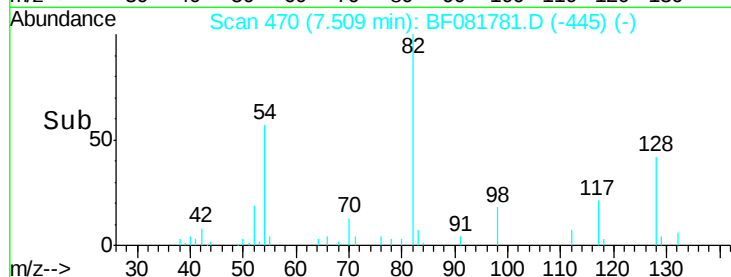
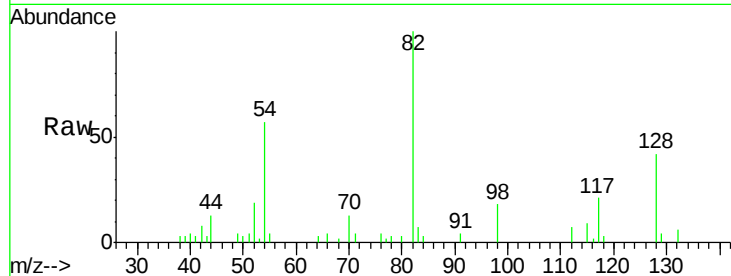
#23
Nitrobenzene-d5
Concen: 0.93 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	51.0	76.6#
54	56.6	47.5	71.3

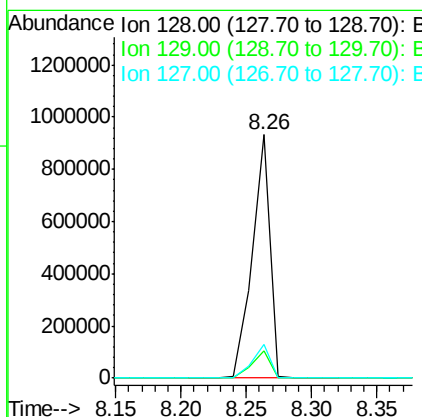
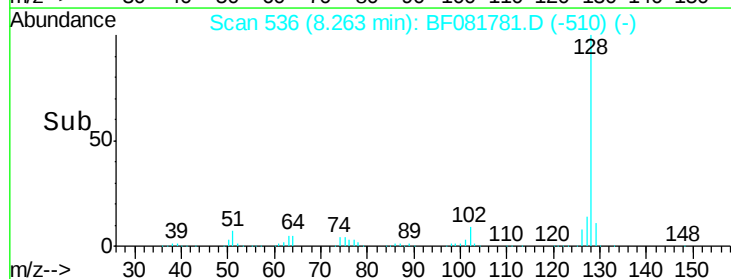
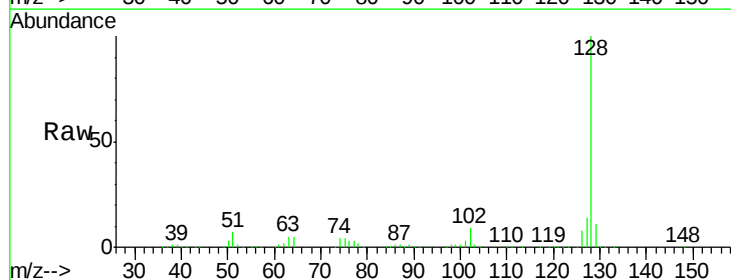
Manual Integrations
APPROVED

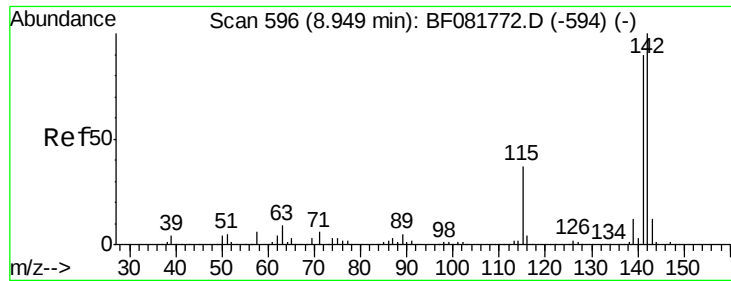
MMDadoda
9/25/2015 3:37:37 PM



#31
Naphthalene
Concen: 21.97 ng
RT: 8.26 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.4	12.6
127	13.7	9.9	14.9





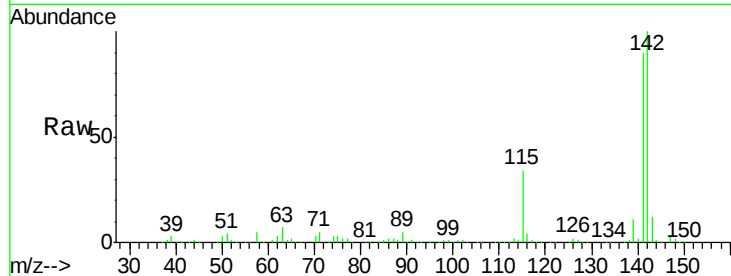
#37
2-Methylnaphthalene
Concen: 10.85 ng
RT: 8.95 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

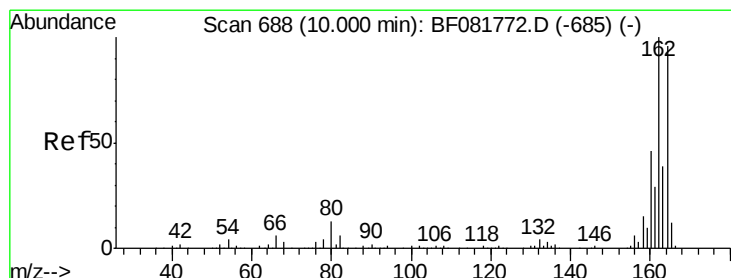
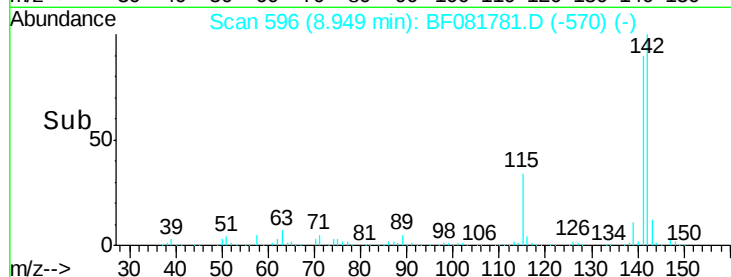
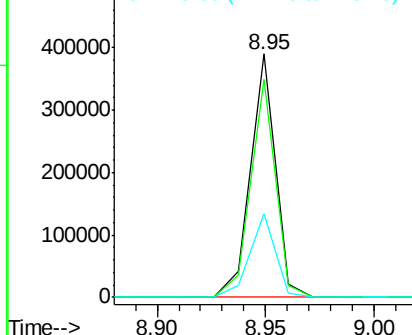
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	67.5	101.3
115	34.2	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM

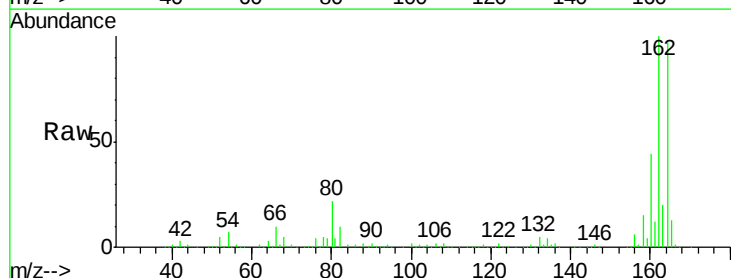


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

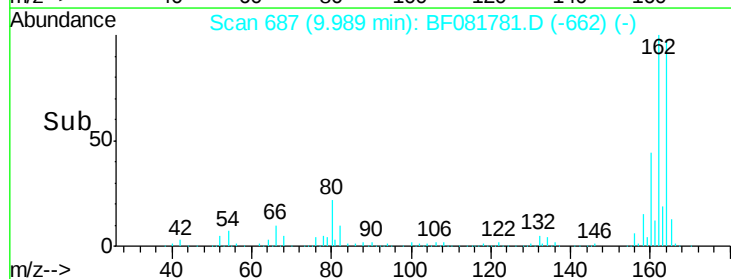
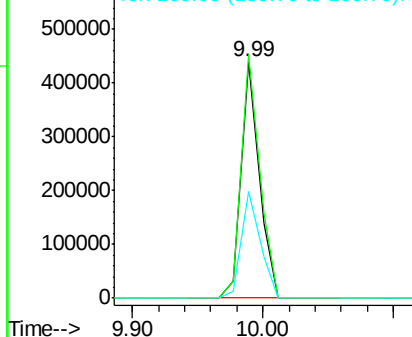


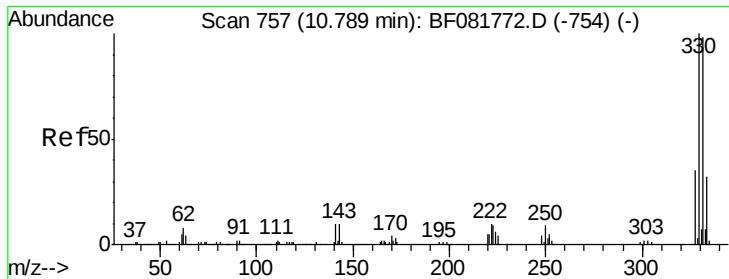
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	75.2	112.8
160	45.3	31.5	47.3



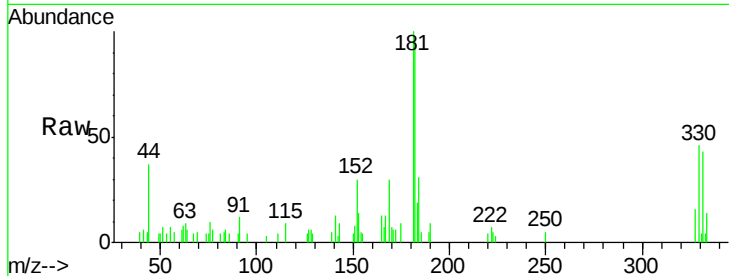
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41
 2,4,6-Tribromophenol
 Concen: 1.01 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081781.D
 Acq: 25 Sep 2015 00:02

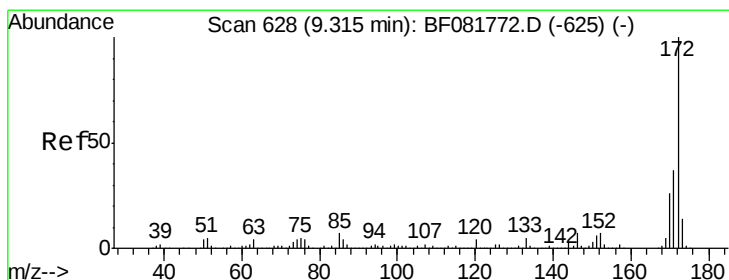
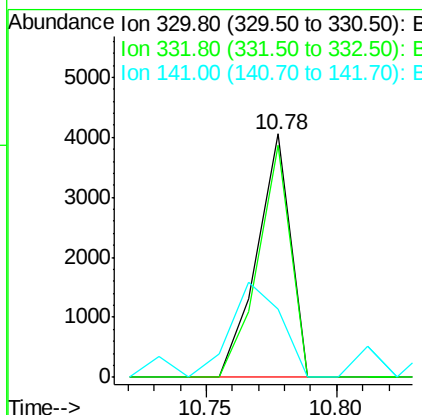
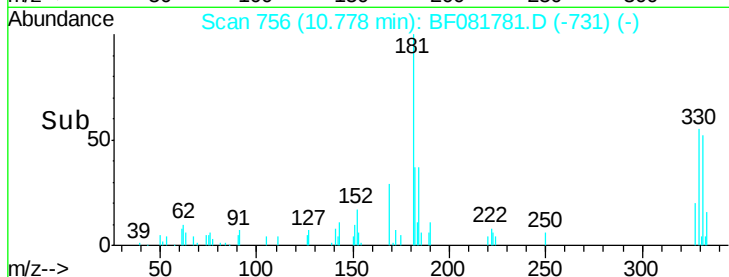
Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12DL2



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3679		
332	92.5	76.6	114.8	
141	64.6	29.7	44.5#	

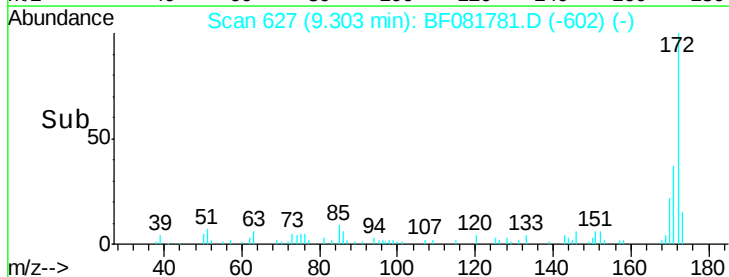
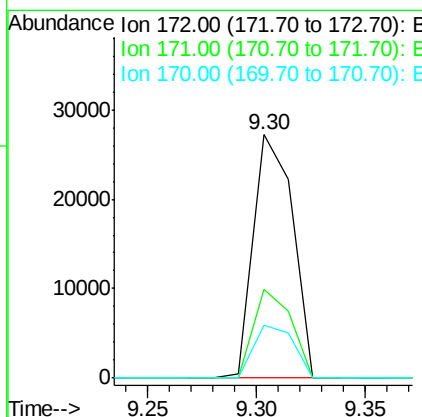
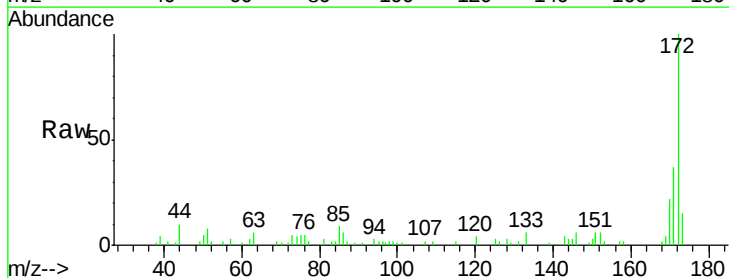
Manual Integrations
 APPROVED

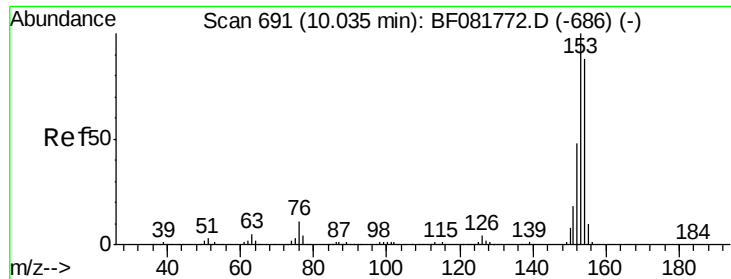
MMDadoda
 9/25/2015 3:37:37 PM



#44
 2-Fluorobiphenyl
 Concen: 1.34 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081781.D
 Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	34235		
171	36.5	26.1	39.1	
170	21.6	17.4	26.2	





#51

Acenaphthene

Concen: 4.00 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

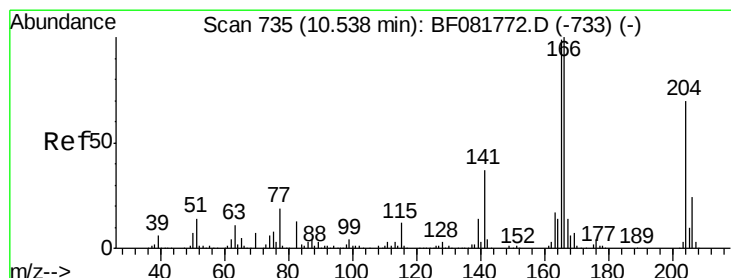
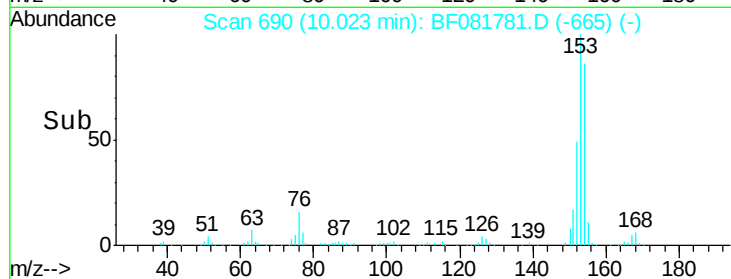
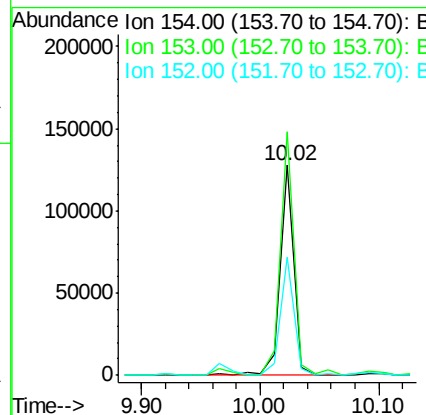
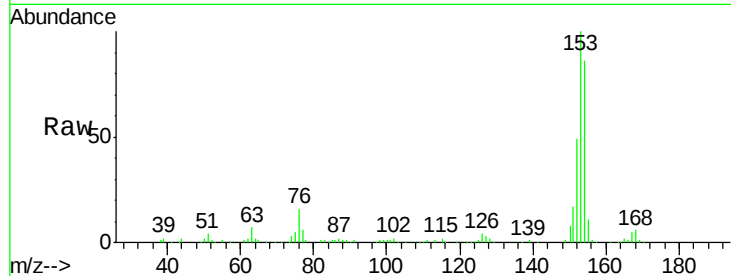
ClientSampleId :

MGP205-10-12DL2

Tgt Ion:	154	Resp:	102962
Ion Ratio	Lower	Upper	
154	100		
153	116.1	82.1	123.1
152	56.4	37.9	56.9

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM



#57

Fluorene

Concen: 5.89 ng

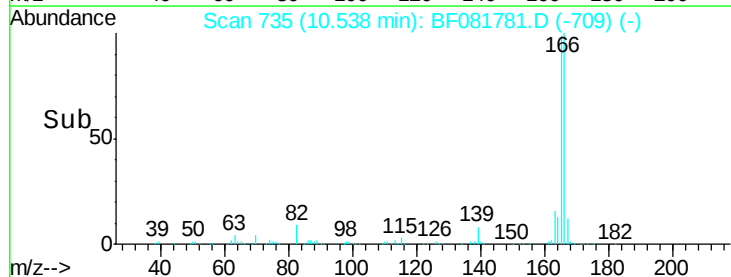
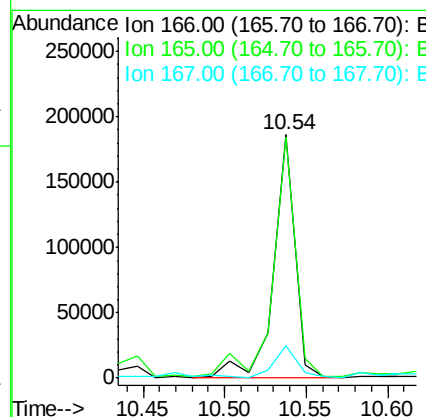
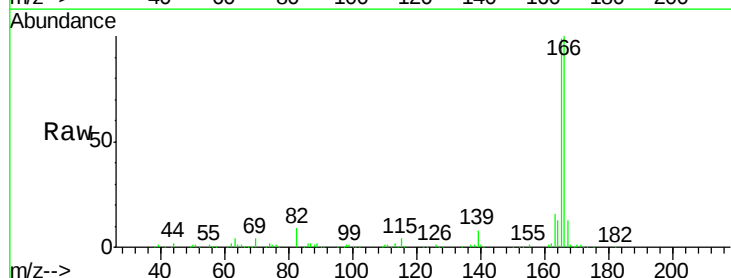
RT: 10.54 min Scan# 735

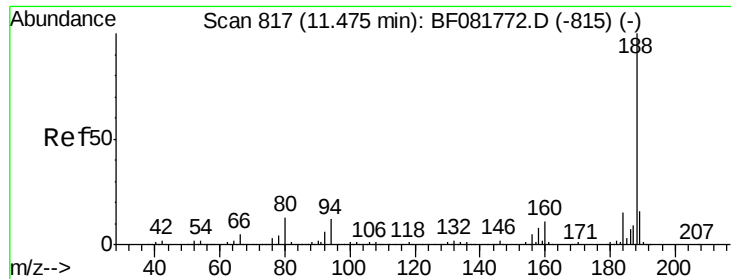
Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Tgt Ion:	166	Resp:	170957
Ion Ratio	Lower	Upper	
166	100		
165	99.1	72.6	109.0
167	13.2	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

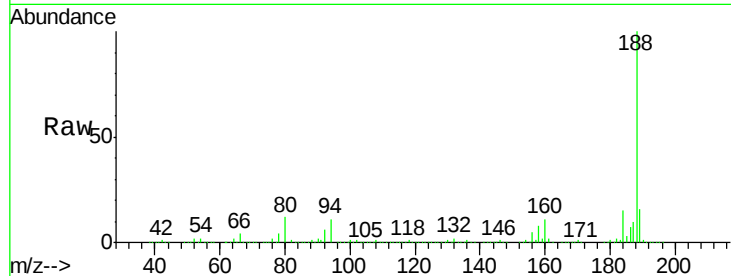
ClientSampleId :

MGP205-10-12DL2

Tgt Ion:	188	Resp:	775248
Ion Ratio	Lower	Upper	
188	100		
94	10.6	11.1	16.7#
80	11.7	11.0	16.4

Manual Integrations
APPROVED

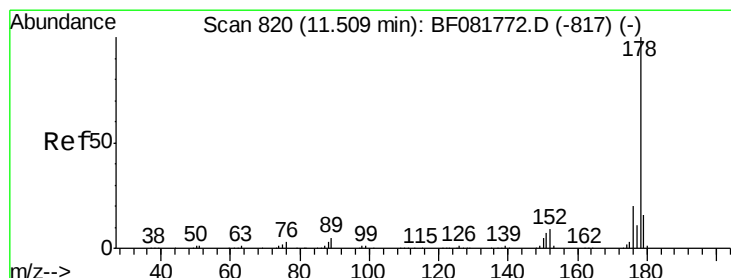
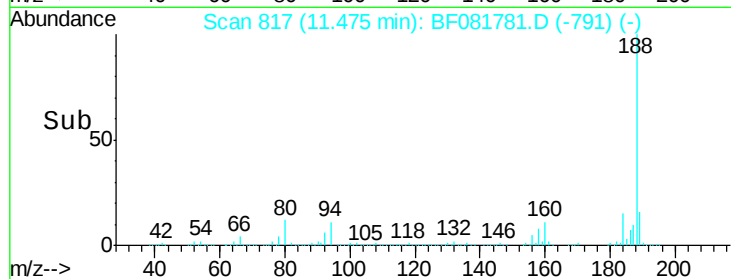
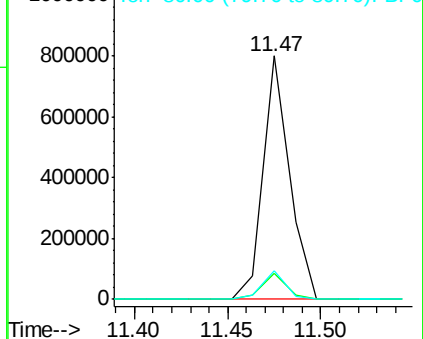
MMDadoda
9/25/2015 3:37:37 PM



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: 14.74 ng

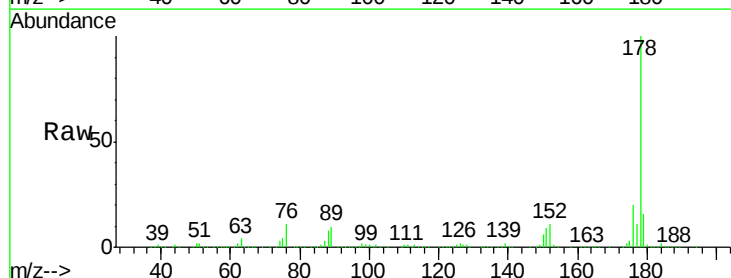
RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

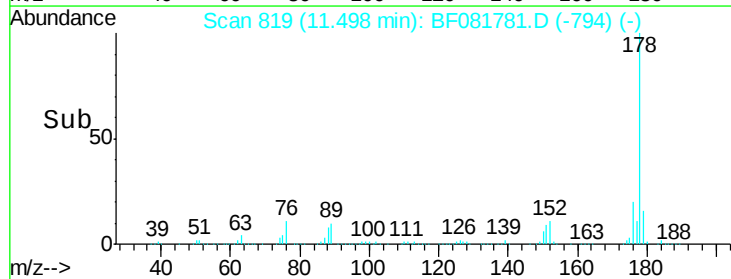
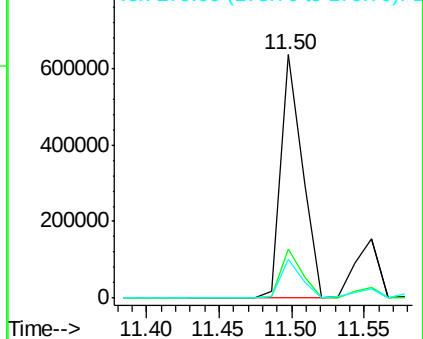
Tgt Ion:	178	Resp:	653308
Ion Ratio	Lower	Upper	
178	100		
176	20.1	13.8	20.8
179	16.2	12.2	18.2

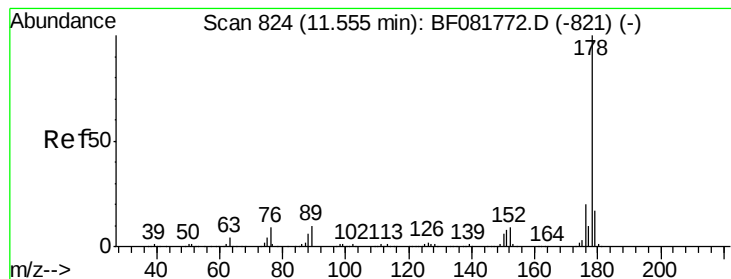


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.99 ng

RT: 11.55 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

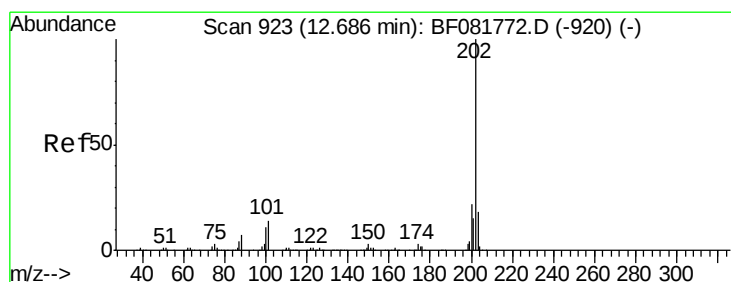
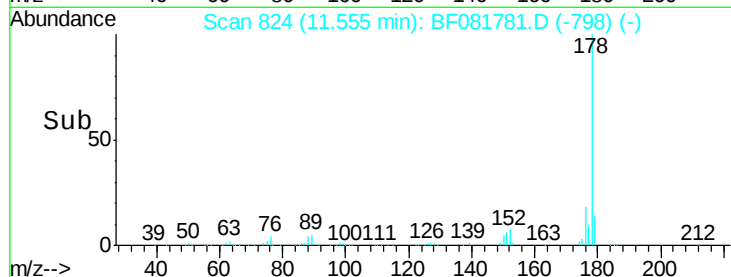
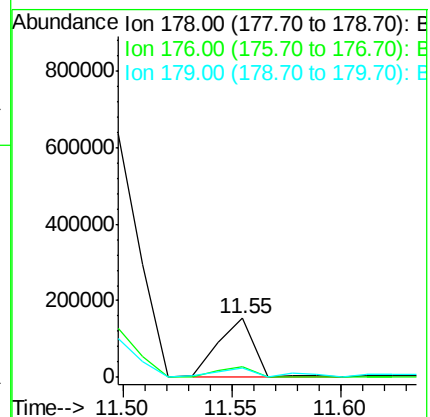
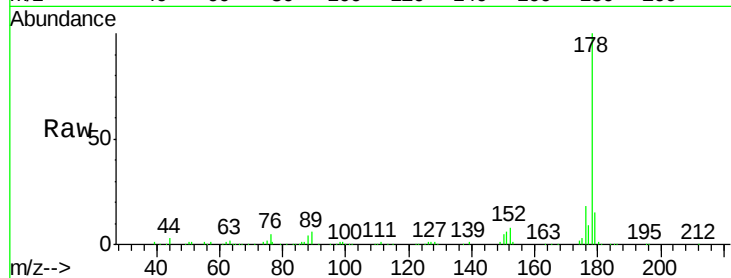
ClientSampleId :

MGP205-10-12DL2

Tgt Ion:	178	Resp:	170597
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.1	21.1
179	15.2	12.2	18.2

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM



#74

Fluoranthene

Concen: 5.72 ng

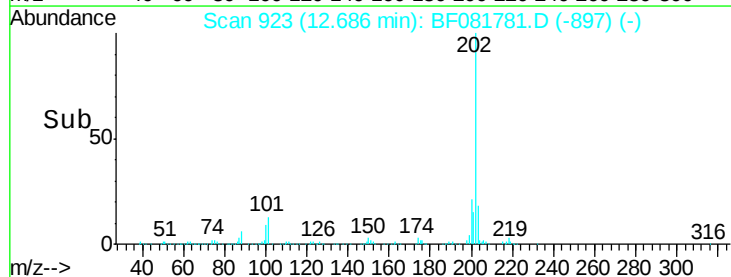
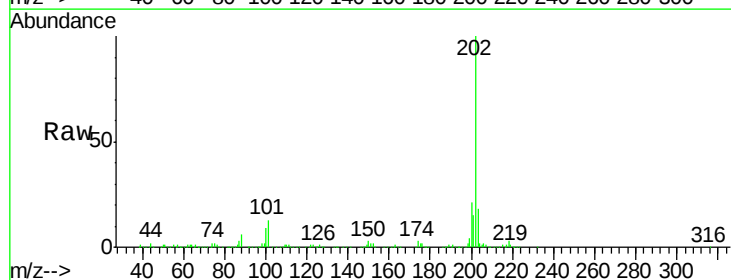
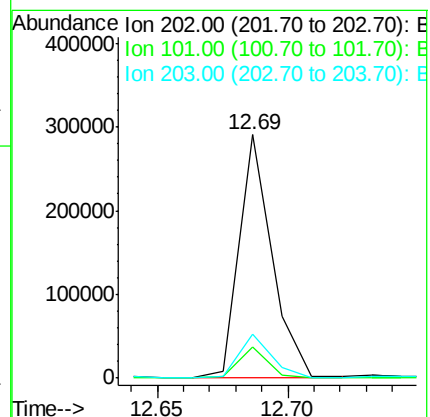
RT: 12.69 min Scan# 923

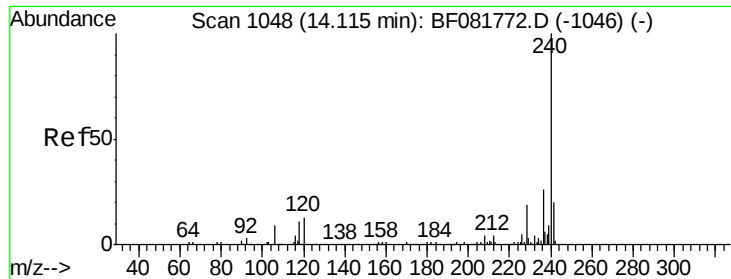
Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Tgt Ion:	202	Resp:	255621
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	38.3
203	18.1	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

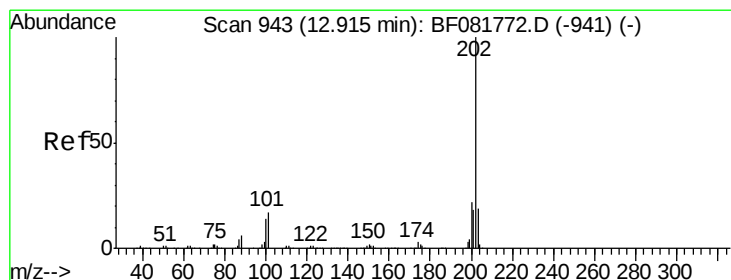
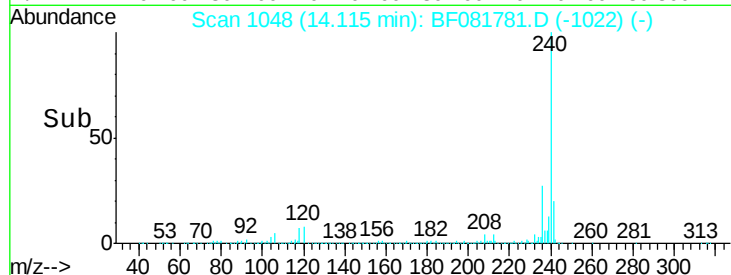
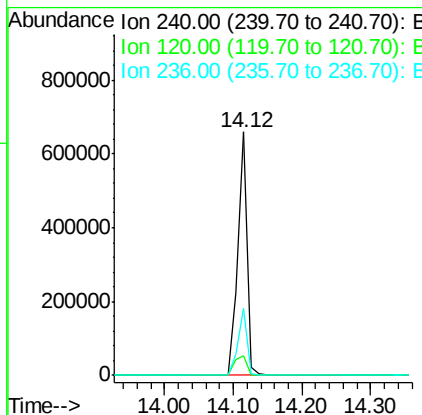
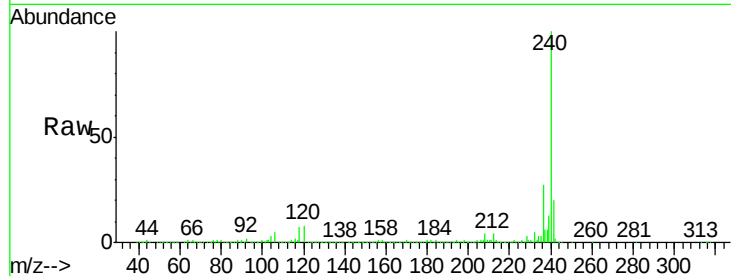
ClientSampleId :

MGP205-10-12DL2

Tgt Ion:	240	Resp:	631306
Ion Ratio	Lower	Upper	
240	100		
120	8.1	16.2	24.2#
236	27.3	18.4	27.6

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM



#77

Pyrene

Concen: 8.12 ng

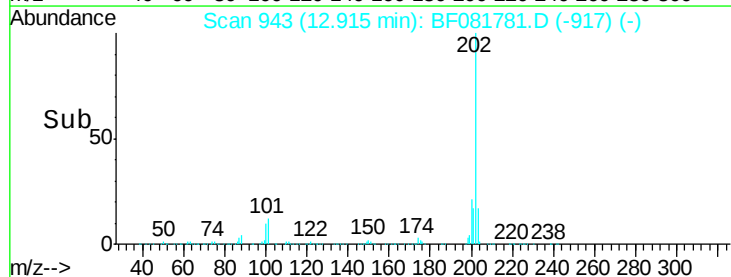
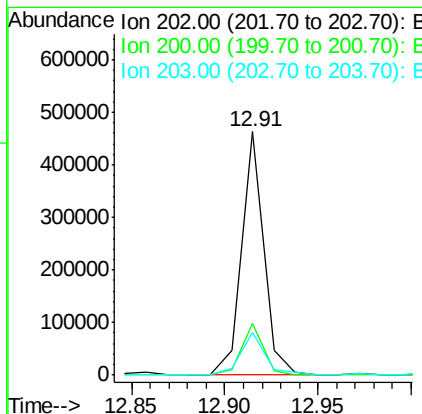
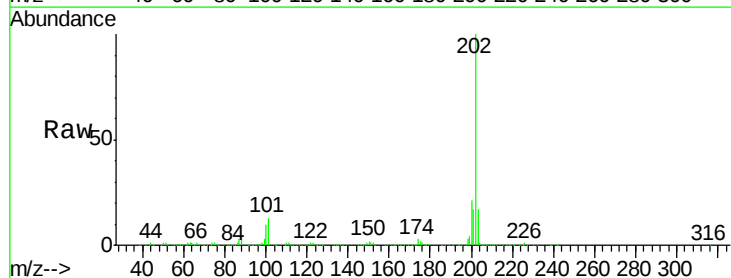
RT: 12.91 min Scan# 943

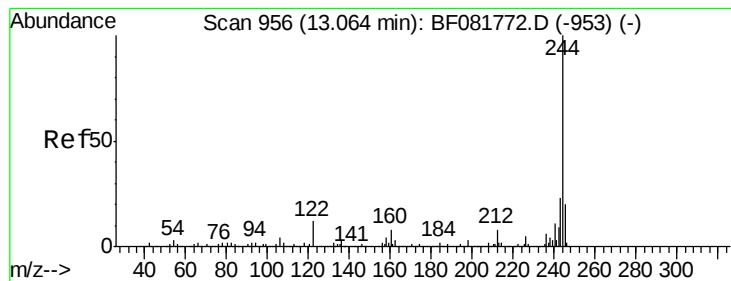
Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Tgt Ion:	202	Resp:	386703
Ion Ratio	Lower	Upper	
202	100		
200	21.0	15.0	22.4
203	17.3	14.1	21.1





#78

Terphenyl-d14

Concen: 1.21 ng

RT: 13.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF081781.D

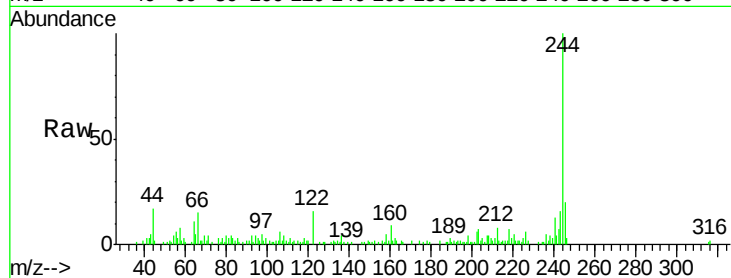
Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2



Tgt Ion:244 Resp: 33395

Ion Ratio Lower Upper

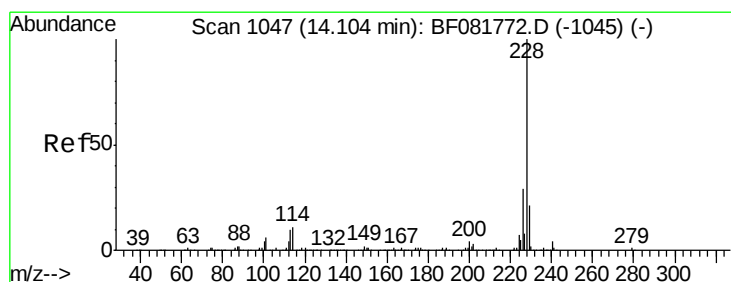
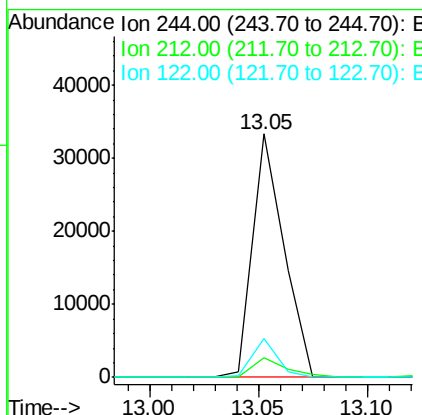
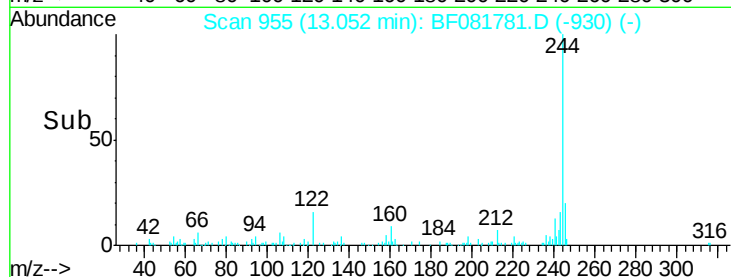
244 100

212 7.9 4.3 6.5#

122 15.7 17.4 26.2#

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM



#80

Benzo(a)anthracene

Concen: 3.03 ng m

RT: 14.10 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

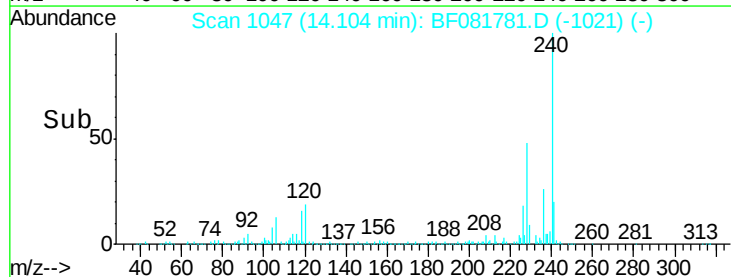
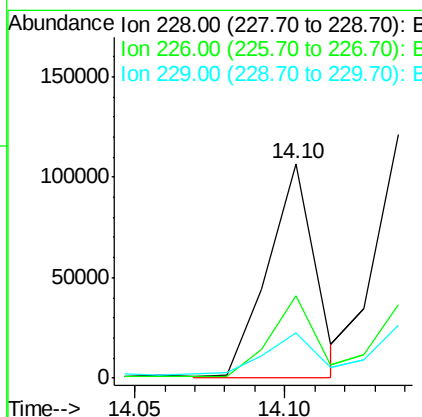
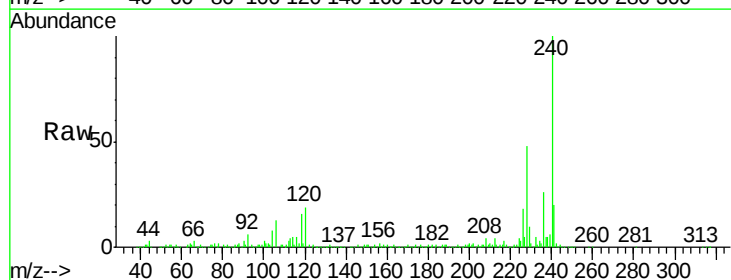
Tgt Ion:228 Resp: 115933

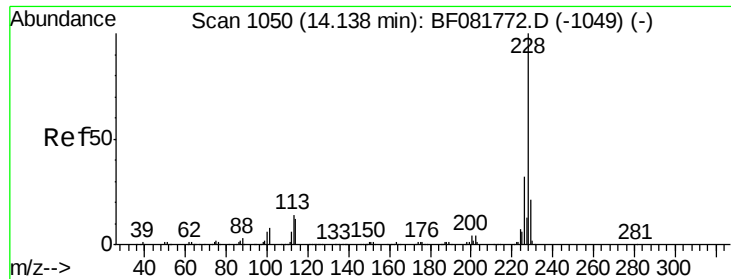
Ion Ratio Lower Upper

228 100

226 38.2 20.0 30.0#

229 20.9 15.4 23.2





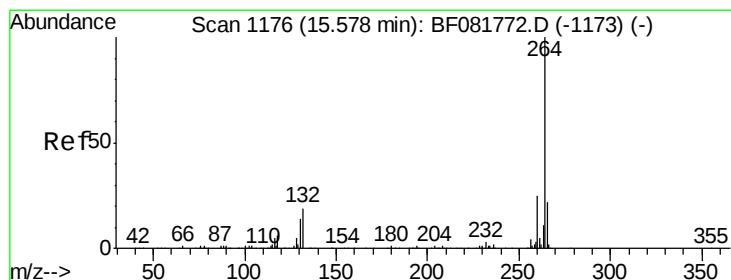
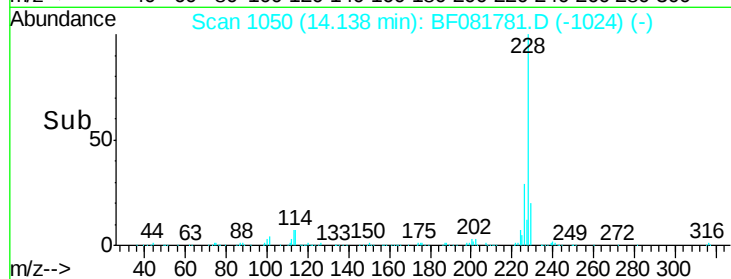
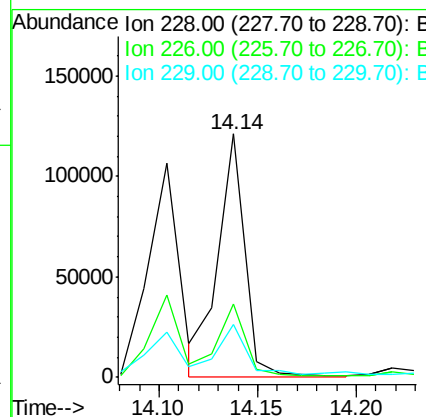
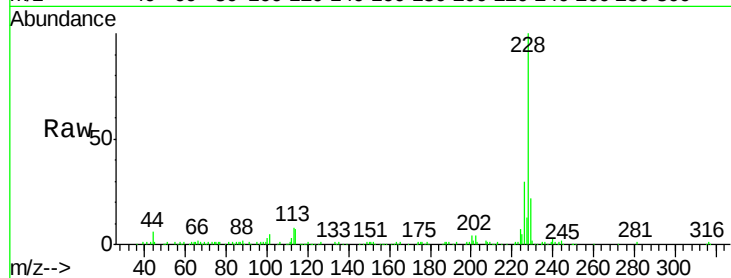
#82
Chrysene
Concen: 3.15 ng m
RT: 14.14 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.0	31.4
229	21.5	15.6	23.4

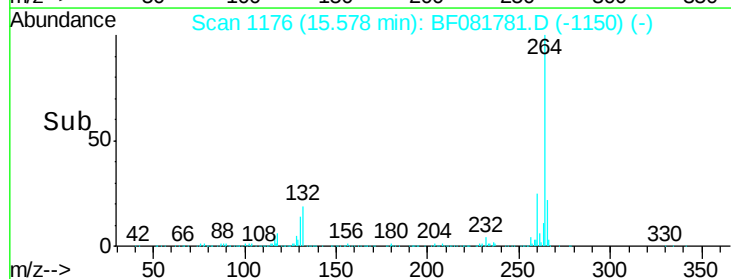
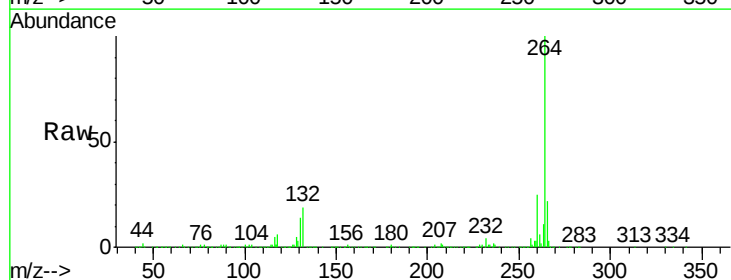
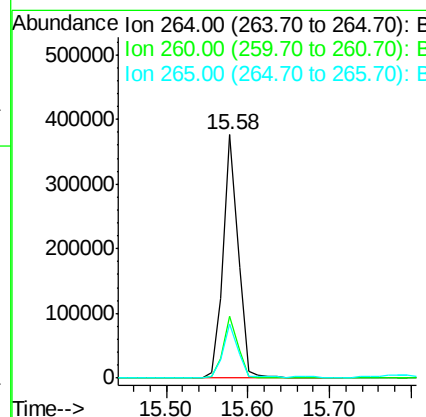
Manual Integrations
APPROVED

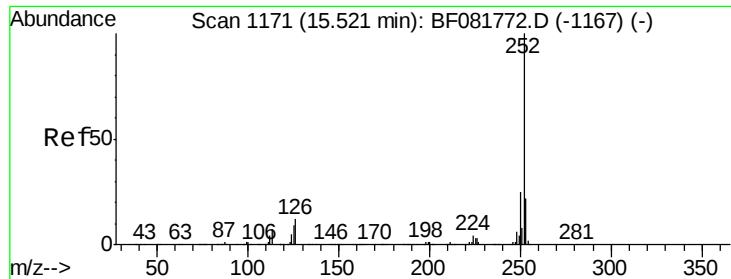
MMDadoda
9/25/2015 3:37:37 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	16.7	25.1#
265	22.2	17.2	25.8





#89

Benzo(a)pyrene

Concen: 2.76 ng

RT: 15.51 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF081781.D

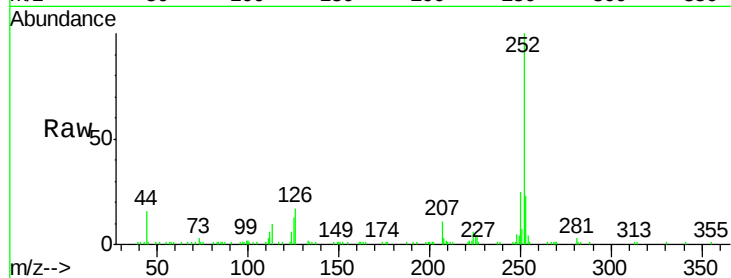
Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.6	18.0	27.0

Manual Integrations
APPROVED

MMDadoda
9/25/2015 3:37:37 PM

