

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081500.D
 Acq On : 6 Sep 2015 10:12
 Operator : UM/IZ
 Sample : G3498-01DL 25X
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Manual Integrations
 APPROVED

MMDadoda
 9/8/2015 3:57:26 PM

Quant Time: Sep 07 09:02:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 02:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	49526	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	186749	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	85824	20.00	ng	-0.01
63) Phenanthrene-d10	10.84	188	164525	20.00	ng	-0.01
75) Chrysene-d12	13.45	240	113422	20.00	ng	-0.01
86) Perylene-d12	14.77	264	84796	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	17702	5.55	ng	0.01
7) Phenol-d6	6.02	99	29368	6.95	ng	-0.01
23) Nitrobenzene-d5	6.94	82	14552	3.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	3616	4.73	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	28574	4.27	ng	0.00
78) Terphenyl-d14	12.43	244	21721	4.46	ng	0.00
Target Compounds						
31) Naphthalene	7.67	128	493522	49.55	ng	97
37) 2-Methylnaphthalene	8.36	142	146451	22.60	ng	# 91
45) 1,1'-Biphenyl	8.82	154	18260	2.31	ng	94
48) Acenaphthylene	9.24	152	125784	12.43	ng	97
57) Fluorene	9.93	166	47586m	7.46	ng	
70) Phenanthrene	10.87	178	160698	17.57	ng	97
71) Anthracene	10.92	178	45176	4.81	ng	99
74) Fluoranthene	12.04	202	46232	4.67	ng	87
77) Pyrene	12.26	202	68959	8.21	ng	99
80) Benzo(a)anthracene	13.44	228	16238	2.25	ng	# 73

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

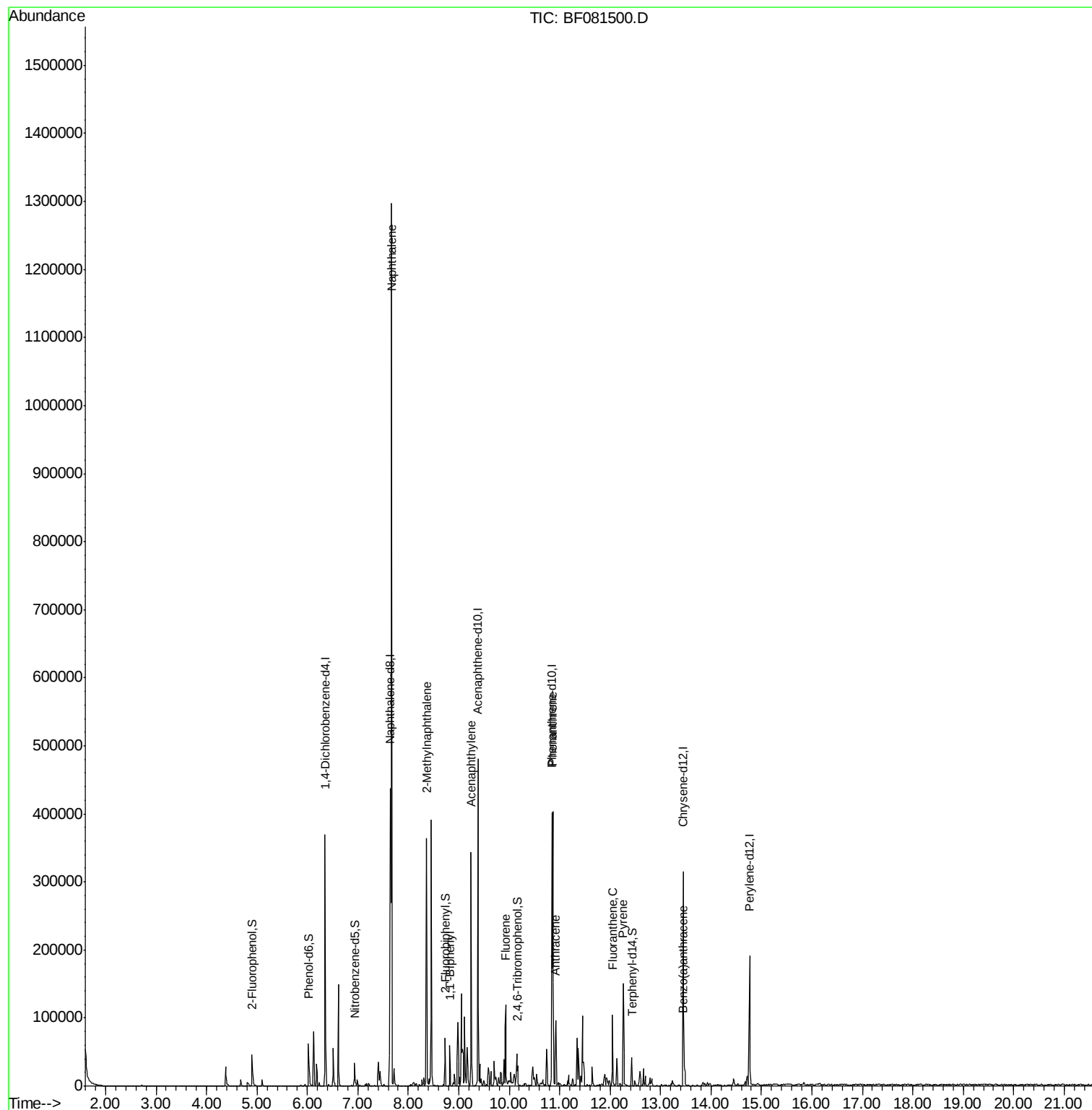
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081500.D
Acq On : 6 Sep 2015 10:12
Operator : UM/IZ
Sample : G3498-01DL 25X
Misc :
ALS Vial : 75 Sample Multiplier: 1

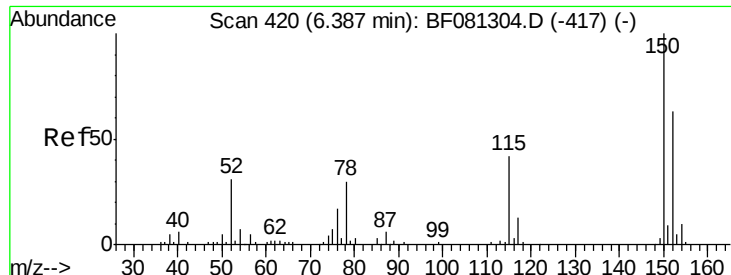
Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

Manual Integrations
APPROVED

MMDadoda
9/8/2015 3:57:26 PM

Quant Time: Sep 07 09:02:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 02:47:26 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

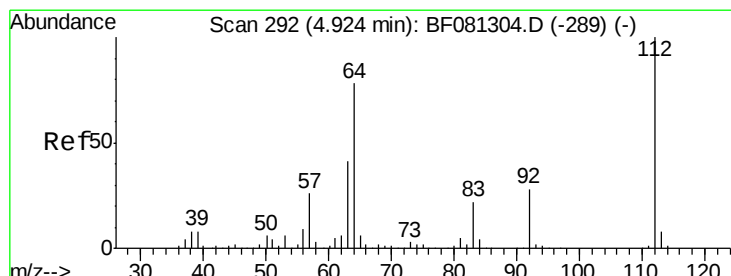
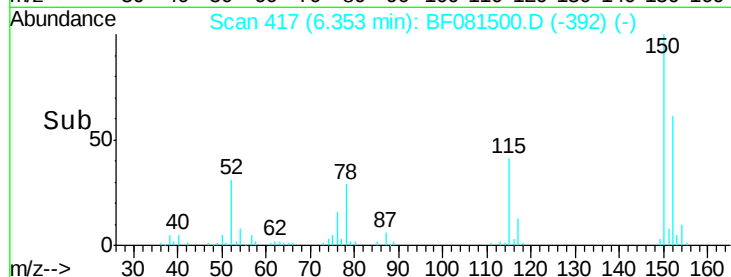
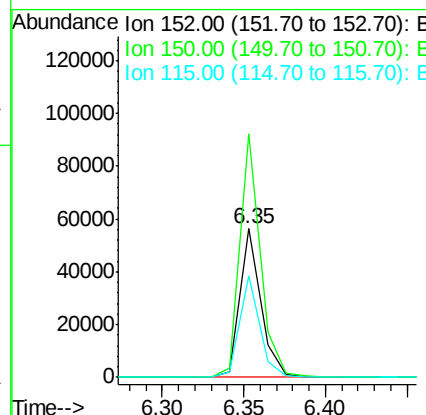
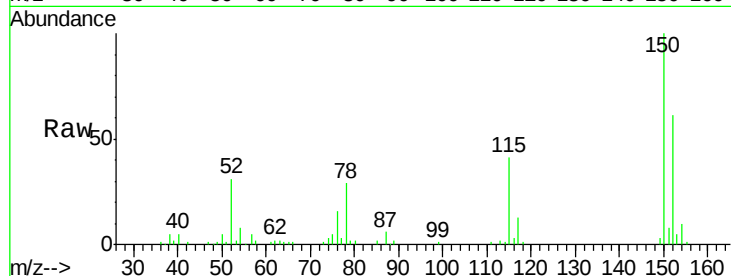
MGP206BR-29-31DL

Manual Integrations
APPROVED

MMDadoda

9/8/2015 3:57:26 PM

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.8	124.7	187.1
115	68.0	39.0	58.4



#5

2-Fluorophenol

Concen: 5.55 ng

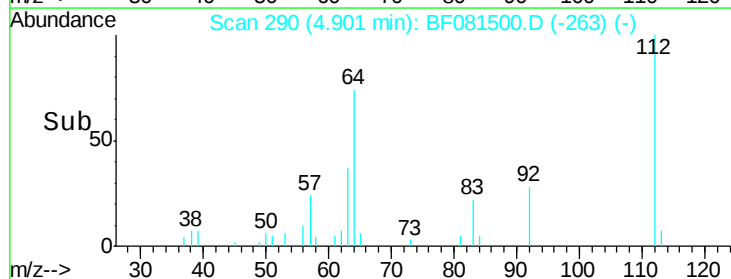
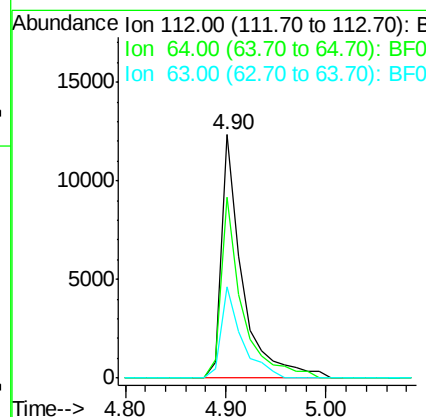
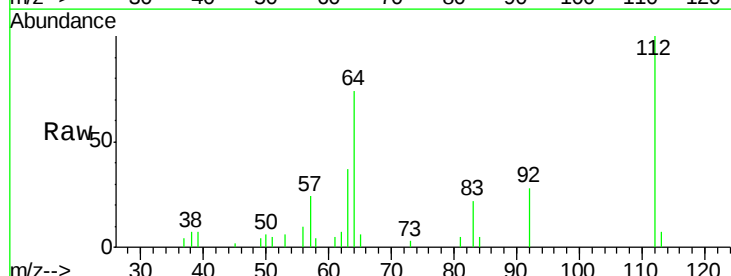
RT: 4.90 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.4	39.7	59.5
63	37.5	17.4	26.0





#7

Phenol-d6

Concen: 6.95 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31DL

Tgt Ion: 99 Resp: 29368

Ion Ratio Lower Upper

99 100

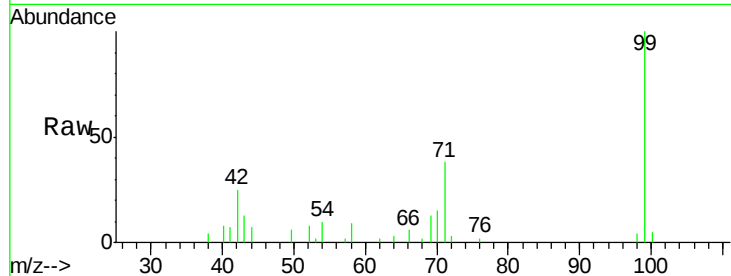
42 24.5 13.7 20.5#

71 37.5 14.2 21.2#

Manual Integrations
APPROVED

MMDadoda

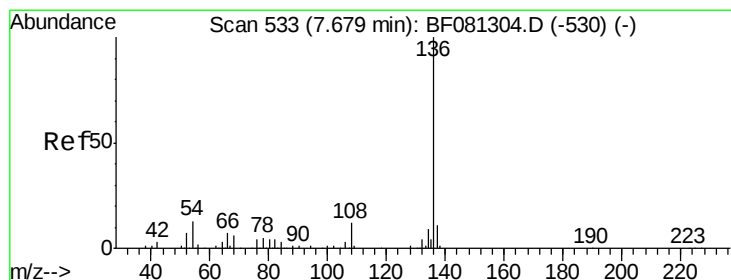
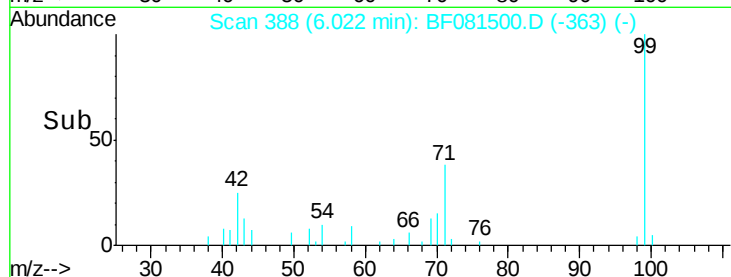
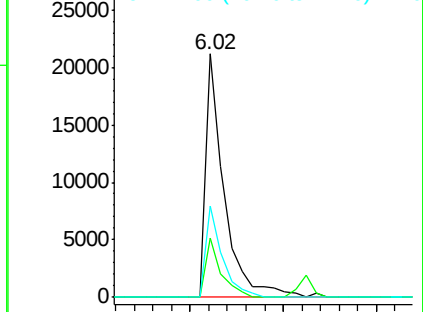
9/8/2015 3:57:26 PM



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: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Tgt Ion: 136 Resp: 186749

Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.3 8.2 12.2#

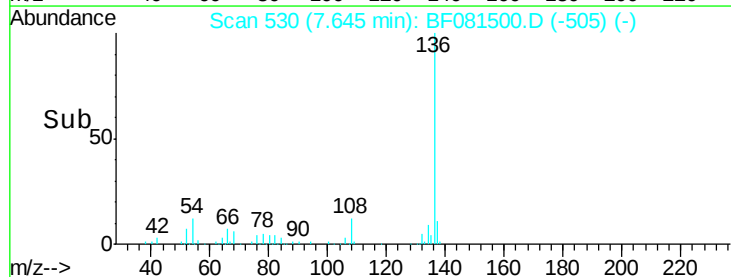
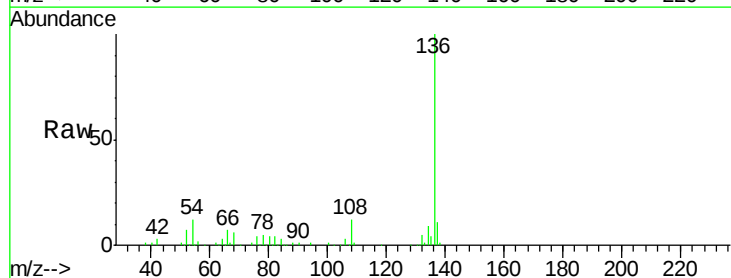
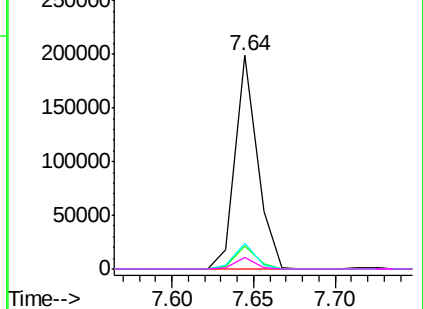
68 5.5 5.8 8.6#

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





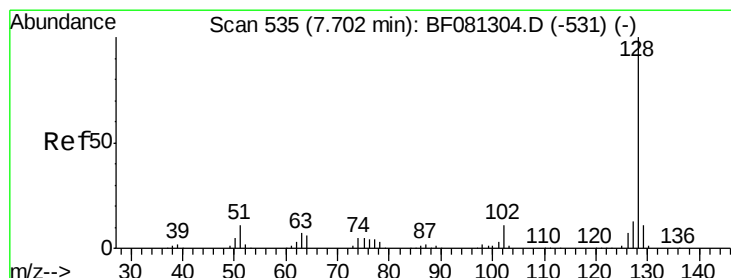
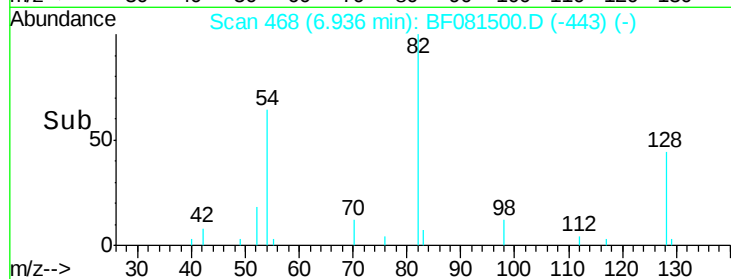
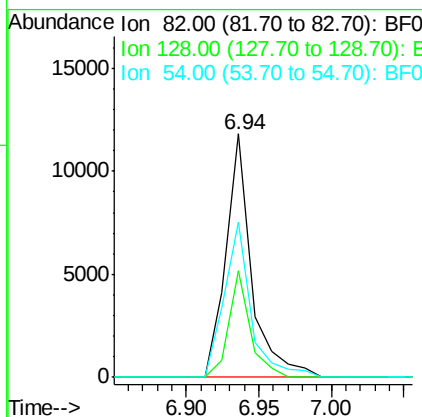
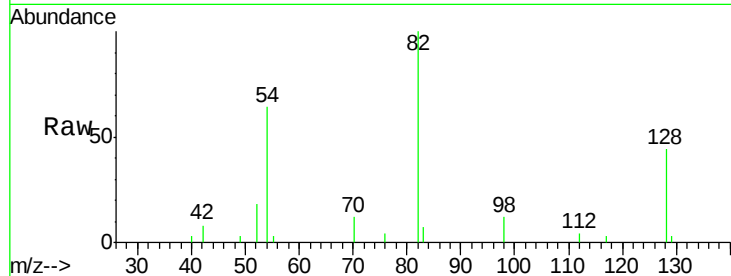
#23
 Nitrobenzene-d5
 Concen: 3.76 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	14552		
128	43.8	51.0	76.6#	
54	63.9	47.5	71.3	

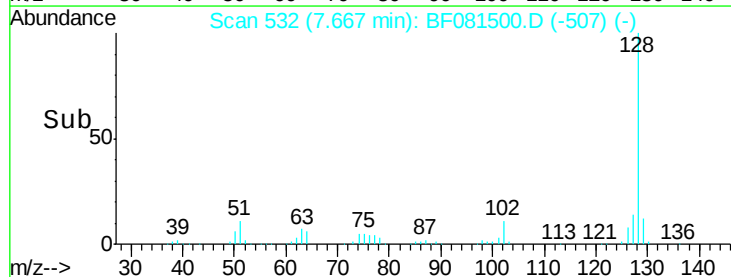
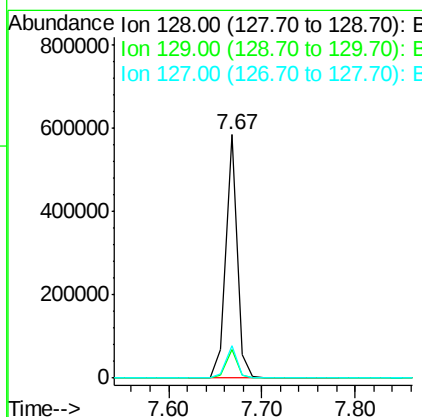
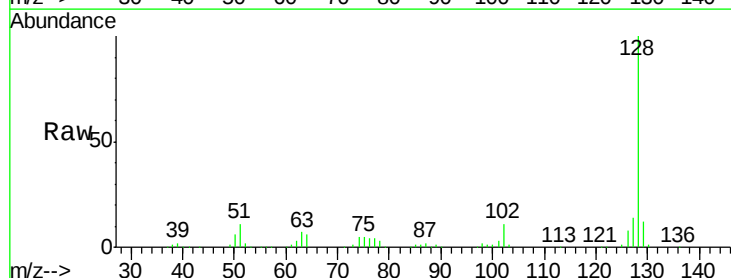
Manual Integrations
 APPROVED

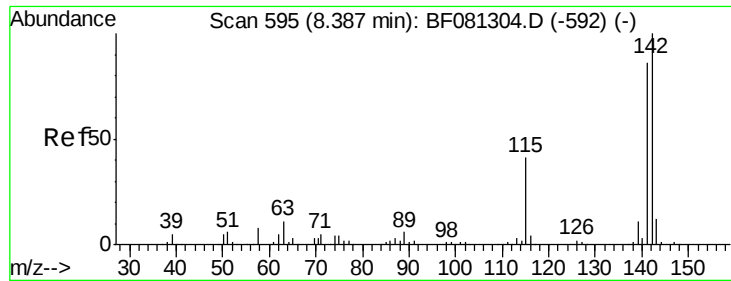
MMDadoda
 9/8/2015 3:57:26 PM



#31
 Naphthalene
 Concen: 49.55 ng
 RT: 7.67 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	493522		
129	11.6	8.4	12.6	
127	13.5	9.9	14.9	





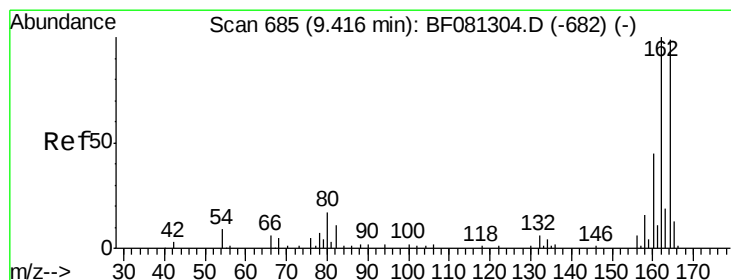
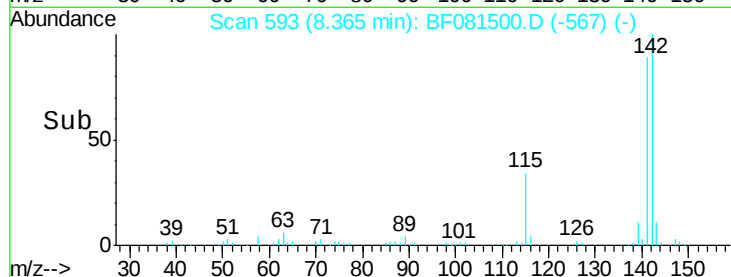
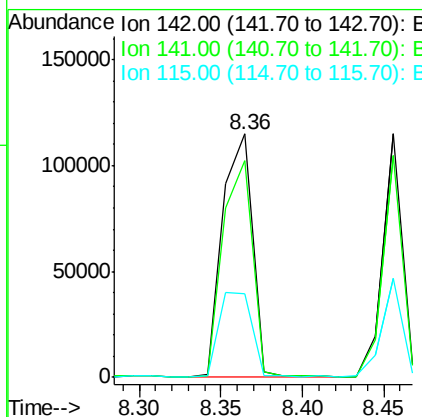
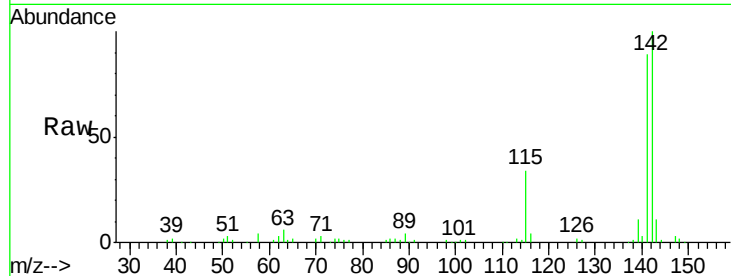
#37
 2-Methylnaphthalene
 Concen: 22.60 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	89.2	67.5	101.3
115	34.2	18.2	27.2

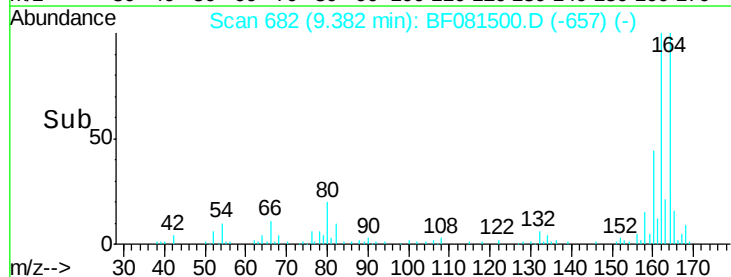
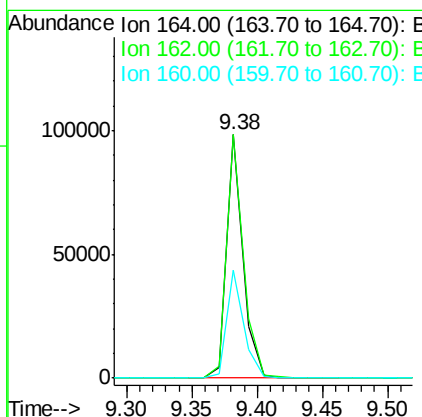
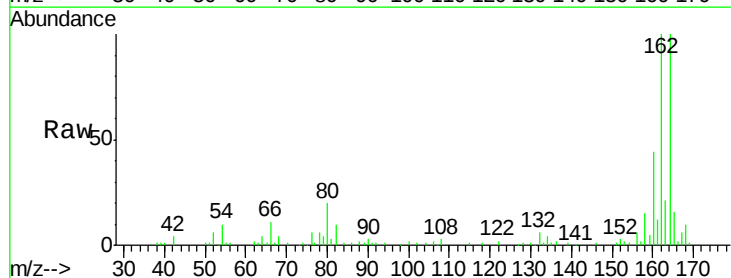
Manual Integrations
 APPROVED

MMDadoda
 9/8/2015 3:57:26 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	99.9	75.2	112.8
160	44.4	31.5	47.3





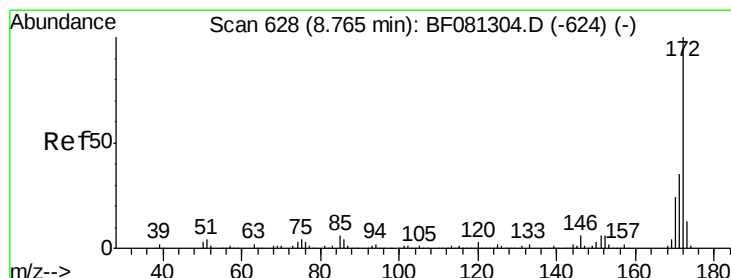
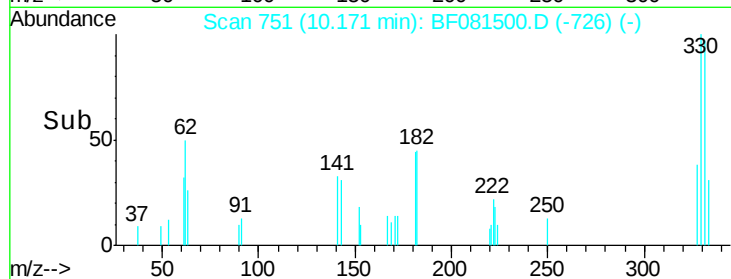
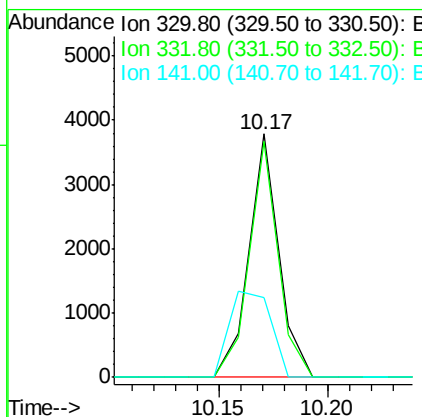
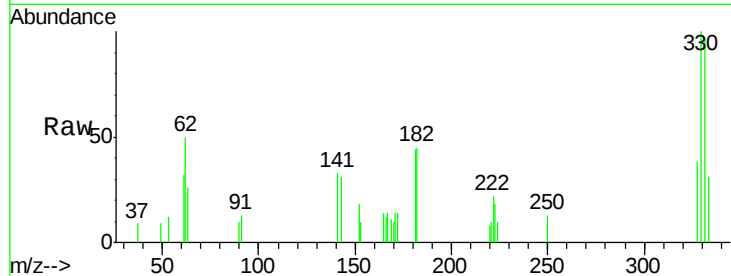
#41
 2,4,6-Tribromophenol
 Concen: 4.73 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3616		
332	94.1	76.6	114.8	
141	49.1	29.7	44.5#	

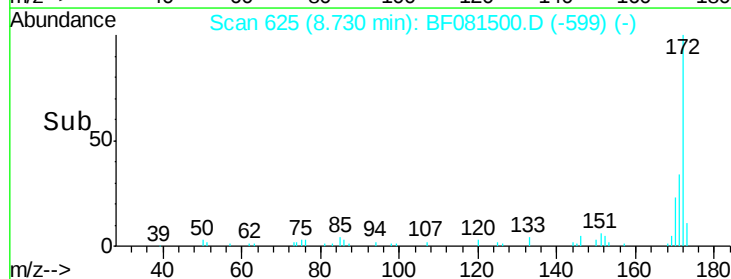
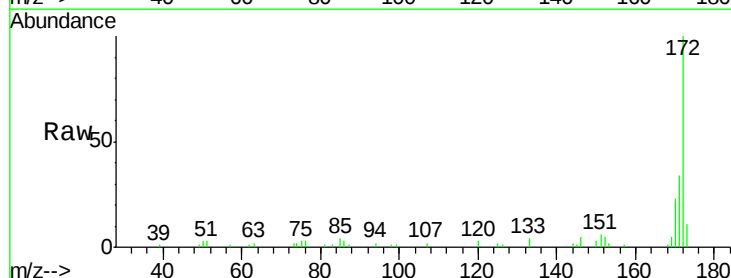
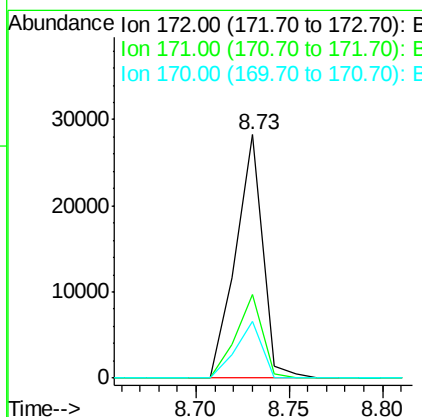
Manual Integrations
 APPROVED

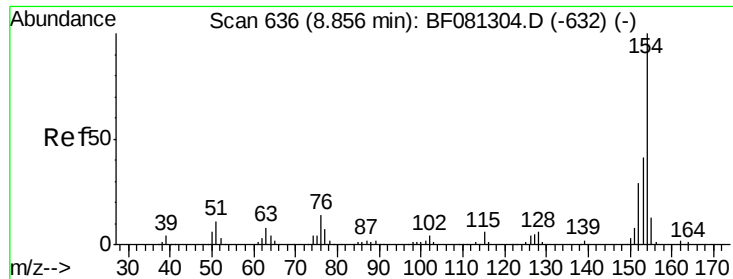
MMDadoda
 9/8/2015 3:57:26 PM



#44
 2-Fluorobiphenyl
 Concen: 4.27 ng
 RT: 8.73 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	28574		
171	34.2	26.1	39.1	
170	23.4	17.4	26.2	





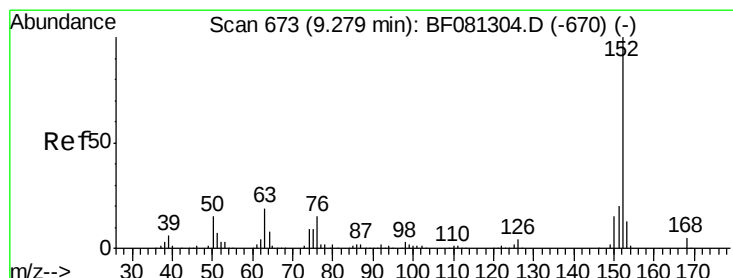
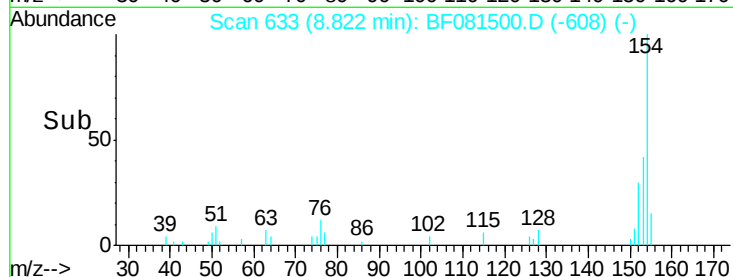
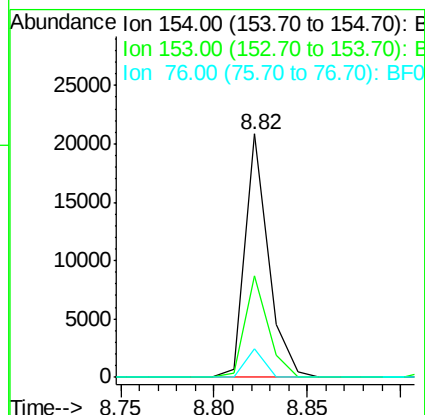
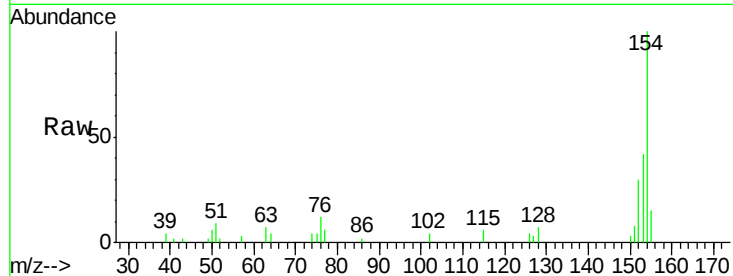
#45
1,1'-Biphenyl
Concen: 2.31 ng
RT: 8.82 min Scan# 633
Delta R.T. -0.01 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	18260		
153	41.5	17.1	57.1	
76	11.9	0.0	31.6	

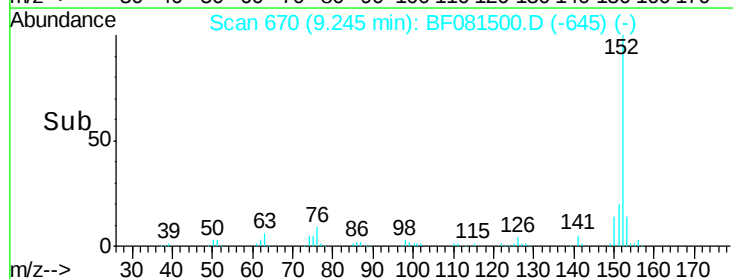
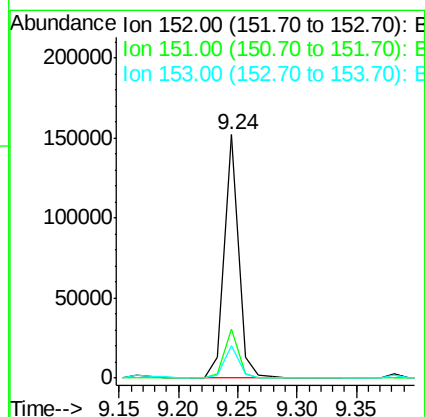
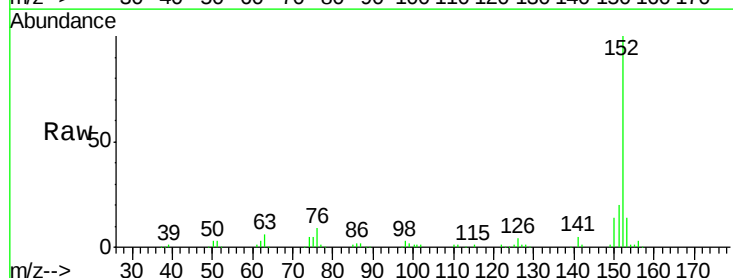
Manual Integrations
APPROVED

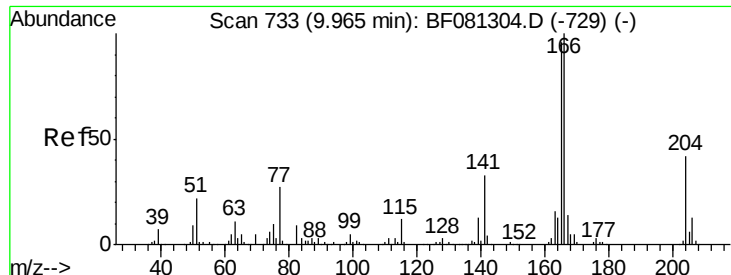
MMDadoda
9/8/2015 3:57:26 PM



#48
Acenaphthylene
Concen: 12.43 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	125784		
151	20.2	14.6	22.0	
153	13.5	10.3	15.5	





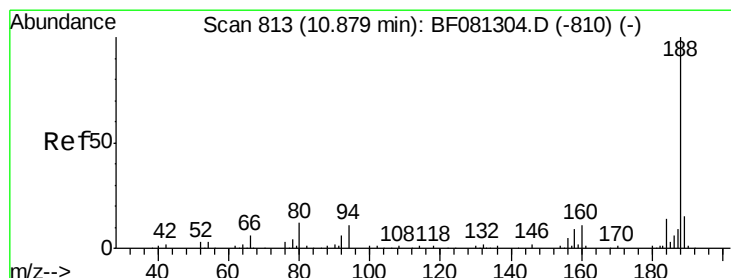
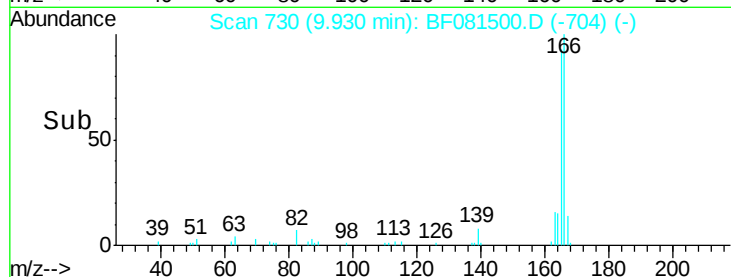
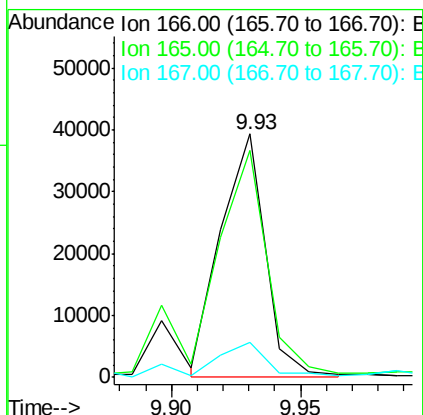
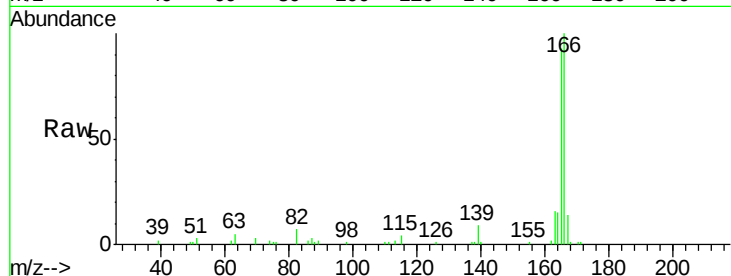
#57
Fluorene
 Concen: 7.46 ng m
 RT: 9.93 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	47586		
165	93.4	72.6	109.0	
167	14.3	10.6	16.0	

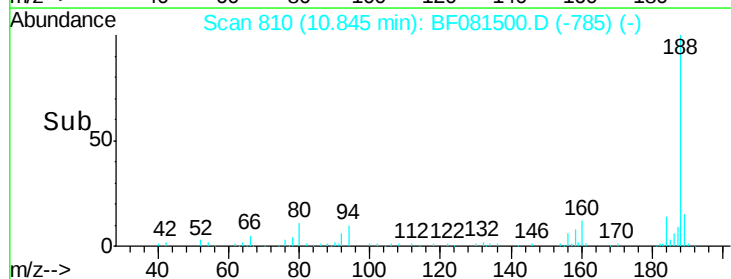
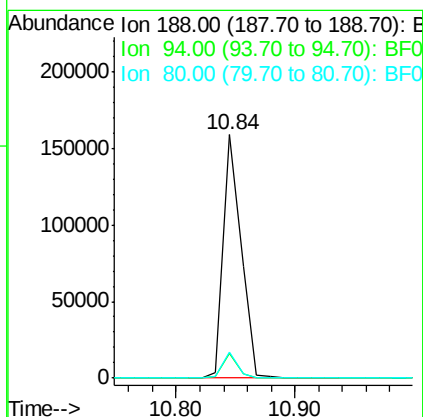
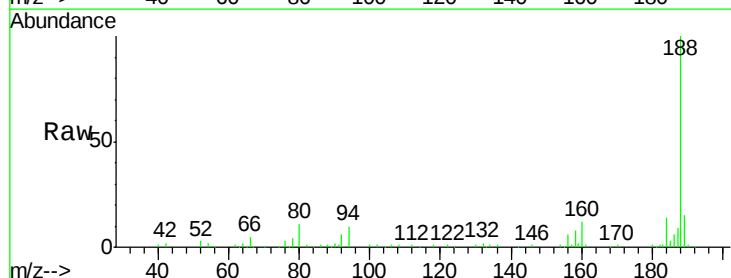
Manual Integrations
APPROVED

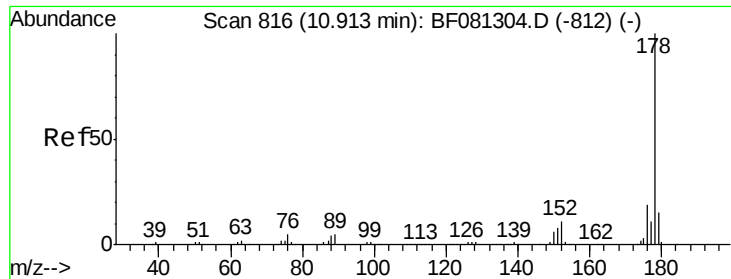
MMDadoda
 9/8/2015 3:57:26 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF081500.D
 Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	164525		
94	10.0	11.1	16.7#	
80	10.8	11.0	16.4#	





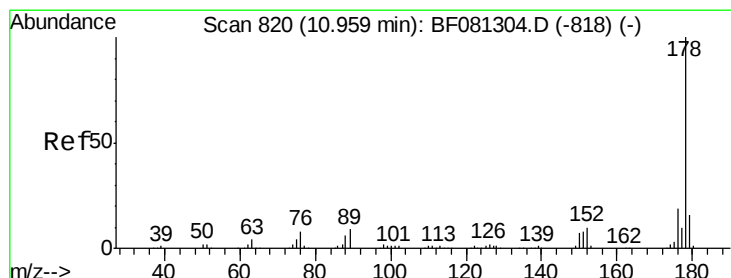
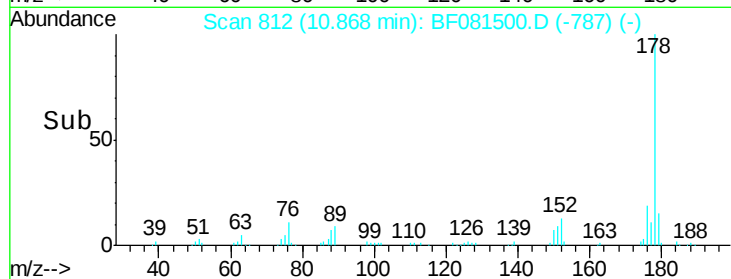
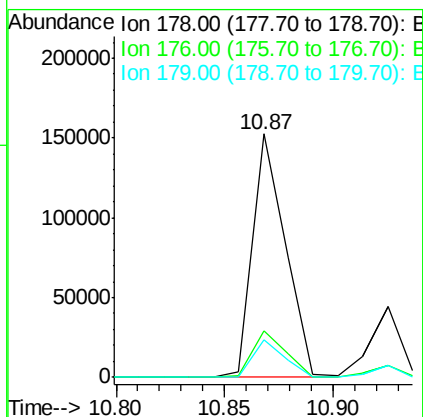
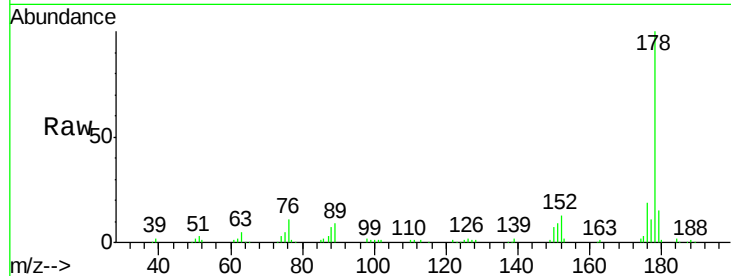
#70
Phenanthrene
Concen: 17.57 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	160698		
176	19.4	13.8	20.8	
179	15.2	12.2	18.2	

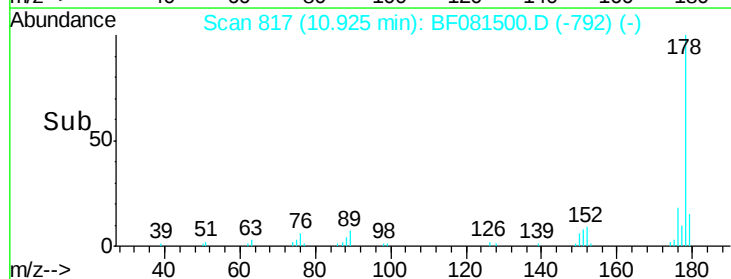
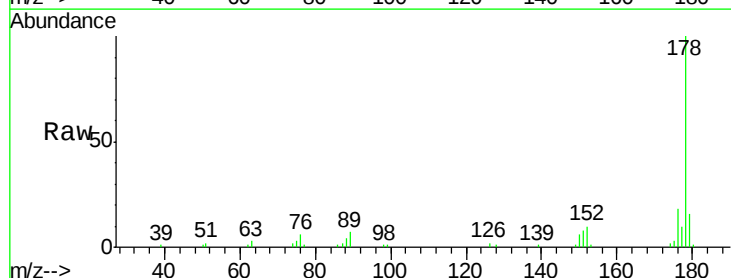
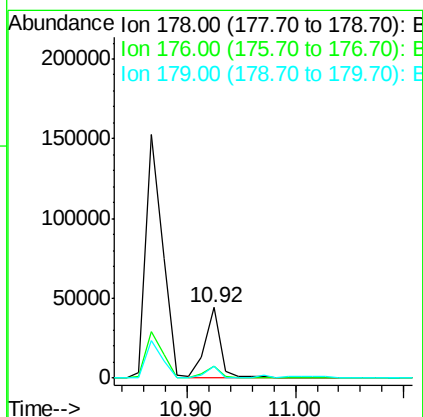
Manual Integrations
APPROVED

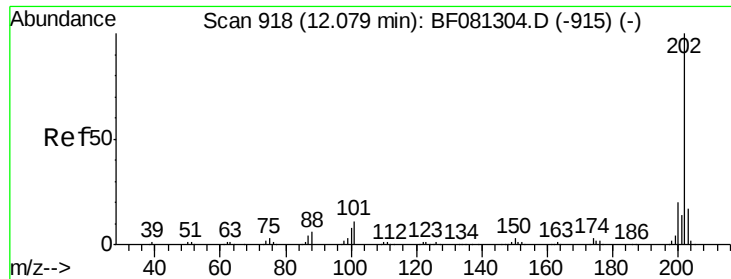
MMDadoda
9/8/2015 3:57:26 PM



#71
Anthracene
Concen: 4.81 ng
RT: 10.92 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	45176		
176	17.8	14.1	21.1	
179	16.1	12.2	18.2	





#74

Fluoranthene

Concen: 4.67 ng

RT: 12.04 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF081500.D

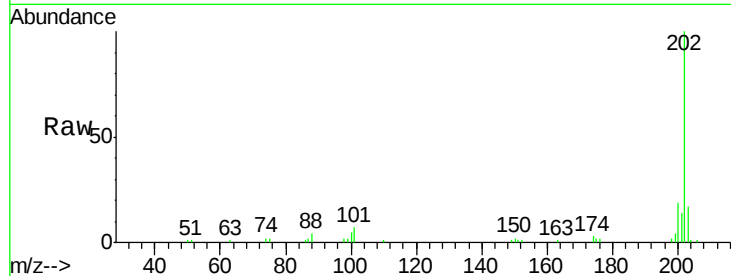
Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

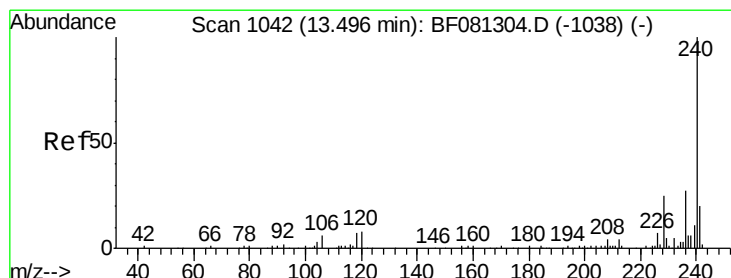
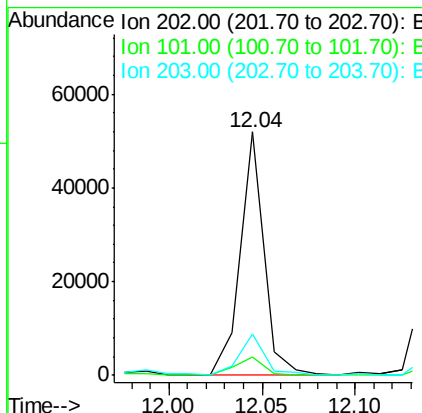
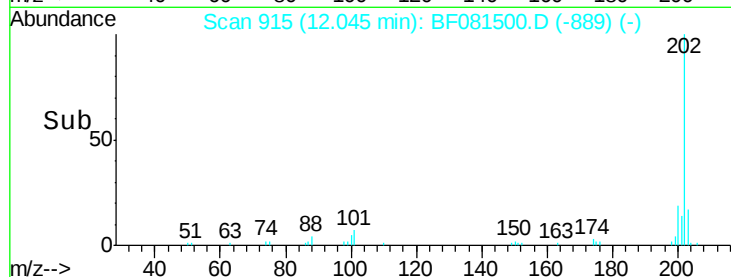
MGP206BR-29-31DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	46232		
101	7.5	0.0	38.3	
203	17.1	0.0	37.3	

Manual Integrations
APPROVED

MMDadoda
9/8/2015 3:57:26 PM



#75

Chrysene-d12

Concen: 20.00 ng

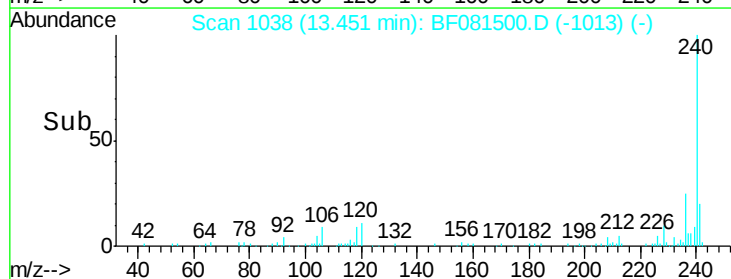
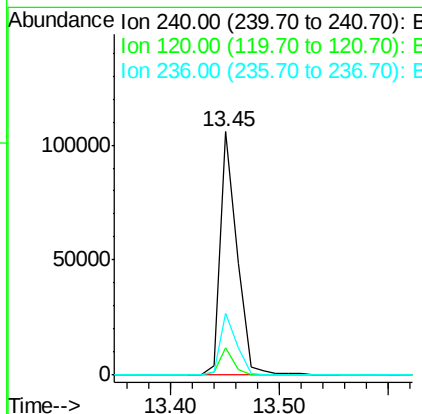
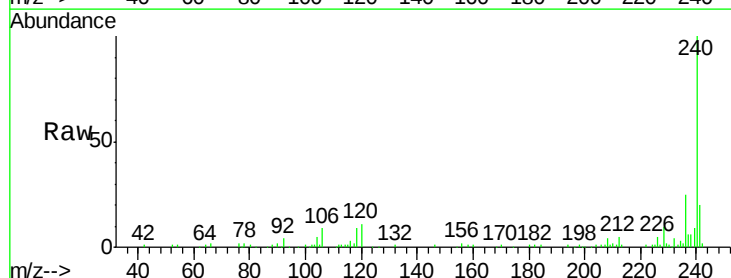
RT: 13.45 min Scan# 1038

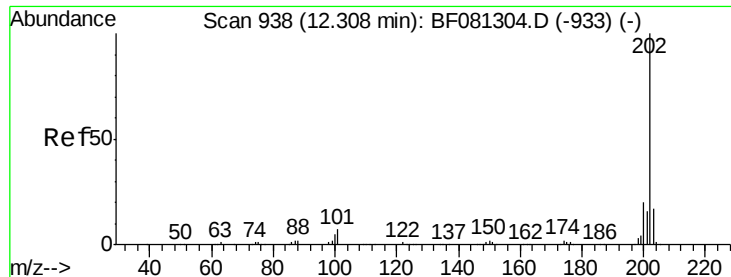
Delta R.T. -0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	113422		
120	11.4	16.2	24.2#	
236	25.4	18.4	27.6	





#77

Pyrene

Concen: 8.21 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF081500.D

Acq: 6 Sep 2015 10:12

Instrument :

BNA_F

ClientSampleId :

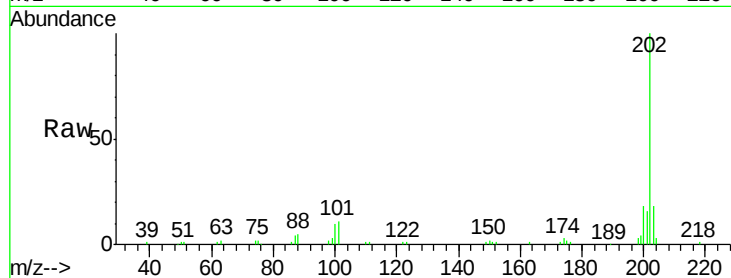
MGP206BR-29-31DL

Manual Integrations
APPROVED

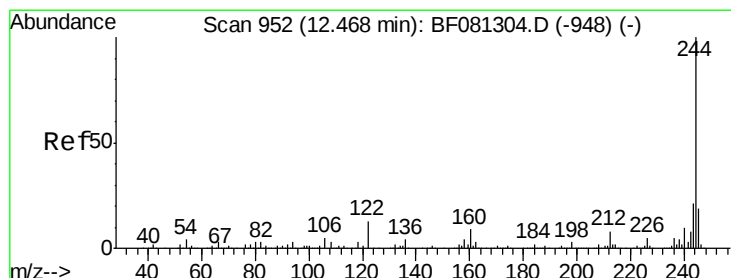
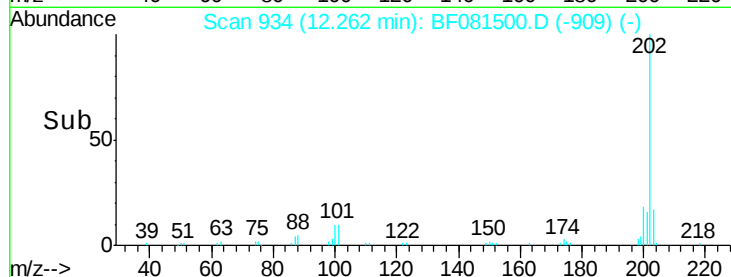
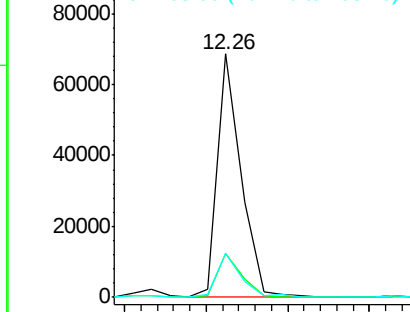
MMDadoda

9/8/2015 3:57:26 PM

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	68959		
200	18.3	15.0	22.4	
203	18.2	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: 4.46 ng

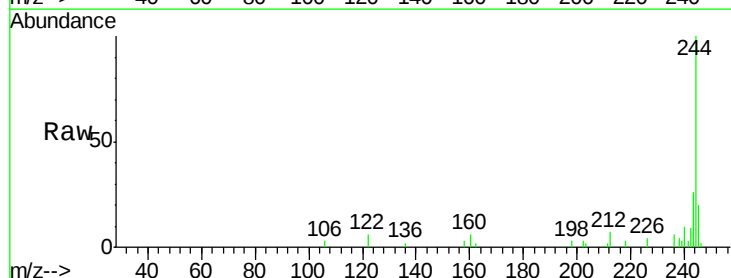
RT: 12.43 min Scan# 949

Delta R.T. 0.00 min

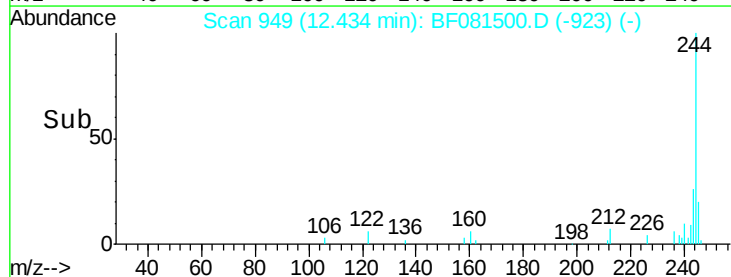
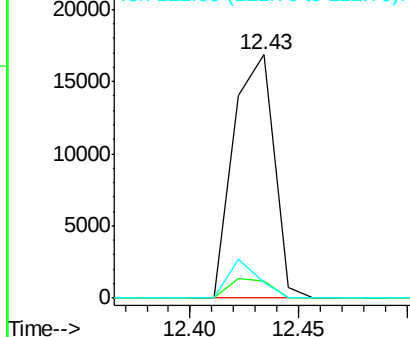
Lab File: BF081500.D

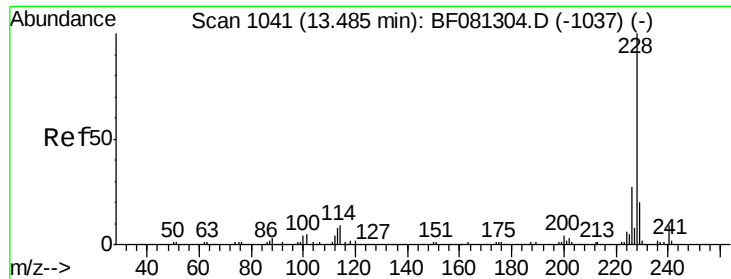
Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	21721		
212	7.0	4.3	6.5#	
122	6.3	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





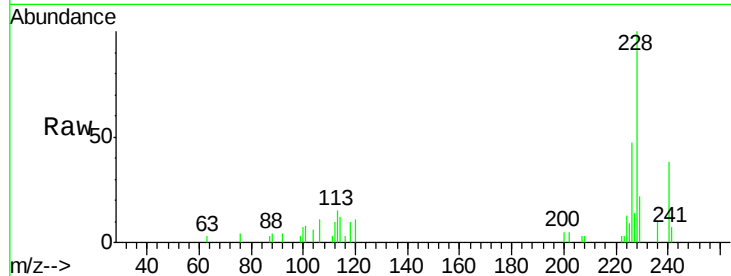
#80
Benzo(a)anthracene
Concen: 2.25 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31DL

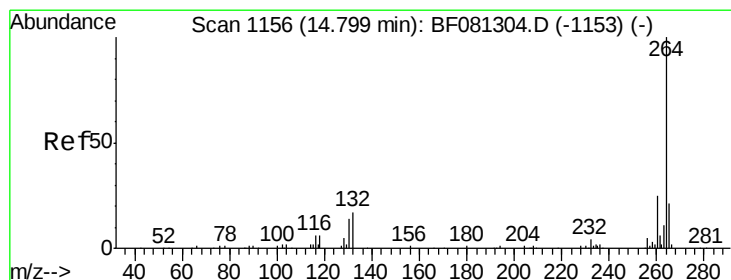
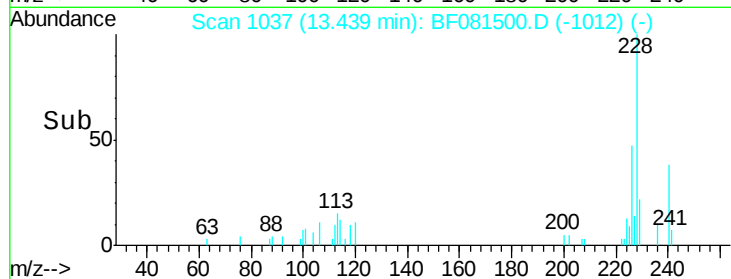
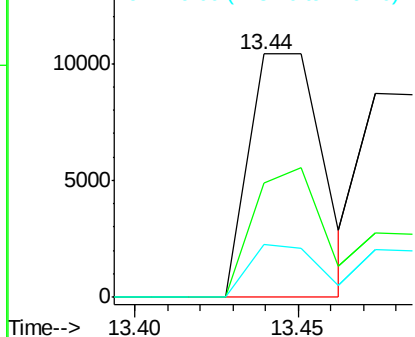
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	16238		
226	47.0	20.0	30.0#	
229	21.7	15.4	23.2	

Manual Integrations
APPROVED

MMDadoda
9/8/2015 3:57:26 PM



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
Perylene-d12
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF081500.D
Acq: 6 Sep 2015 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	84796		
260	23.7	16.7	25.1	
265	21.1	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

