

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081642.D
 Acq On : 15 Sep 2015 22:51
 Operator : UM/IZ
 Sample : G3654-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 1:24:23 PM

Quant Time: Sep 16 02:11:39 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	8.23	152	44139	20.00	ng	0.01
21) Naphthalene-d8	11.36	136	133411m	20.00	ng	0.24
38) Acenaphthene-d10	15.28	164	74530	20.00	ng	0.02
63) Phenanthrene-d10	18.80	188	137094	20.00	ng	0.05
75) Chrysene-d12	23.41	240	99198	20.00	ng	0.02
86) Perylene-d12	24.84	264	64160	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	318099	111.81	ng	0.02
7) Phenol-d6	7.67	99	441310	117.19	ng	0.02
23) Nitrobenzene-d5	9.54	82	292246	105.69	ng	0.01
41) 2,4,6-Tribromophenol	17.18	330	72635	109.45	ng	0.01
44) 2-Fluorobiphenyl	13.80	172	463184	79.64	ng	0.02
78) Terphenyl-d14	22.14	244	358309	84.08	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	2.07	79	215643	61.20	ng	# 23
22) Acetophenone	9.17	105	134999m	37.05	ng	
31) Naphthalene	11.52	128	52027091	7312.33	ng	# 90
37) 2-Methylnaphthalene	13.02	142	11081013	2393.24	ng	# 89
45) 1,1'-Biphenyl	14.06	154	3752814	547.31	ng	94
48) Acenaphthylene	14.97	152	1214611	138.26	ng	96
49) Dimethylphthalate	14.85	163	65392	11.29	ng	# 98
51) Acenaphthene	15.37	154	485068	97.06	ng	# 62
54) Dibenzofuran	15.77	168	32234	4.42	ng	# 80
57) Fluorene	16.63	166	1360305	245.65	ng	94
70) Phenanthrene	18.92	178	4432311	581.54	ng	96
71) Anthracene	19.01	178	1075359	137.33	ng	96
74) Fluoranthene	21.51	202	1067190	129.34	ng	91
77) Pyrene	21.85	202	2060384	280.40	ng	# 91
80) Benzo(a)anthracene	23.41	228	539716	85.43	ng	94
82) Chrysene	23.44	228	409784	72.36	ng	93
85) Indeno(1,2,3-cd)pyrene	25.89	276	71893	17.30	ng	# 81
87) Benzo(b)fluoranthene	24.50	252	263375m	57.50	ng	
88) Benzo(k)fluoranthene	24.52	252	45235m	11.90	ng	
89) Benzo(a)pyrene	24.79	252	253374	65.28	ng	# 88
90) Dibenzo(a,h)anthracene	25.89	278	20985	7.00	ng	# 83
91) Benzo(g,h,i)perylene	26.20	276	101445	35.44	ng	# 76

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

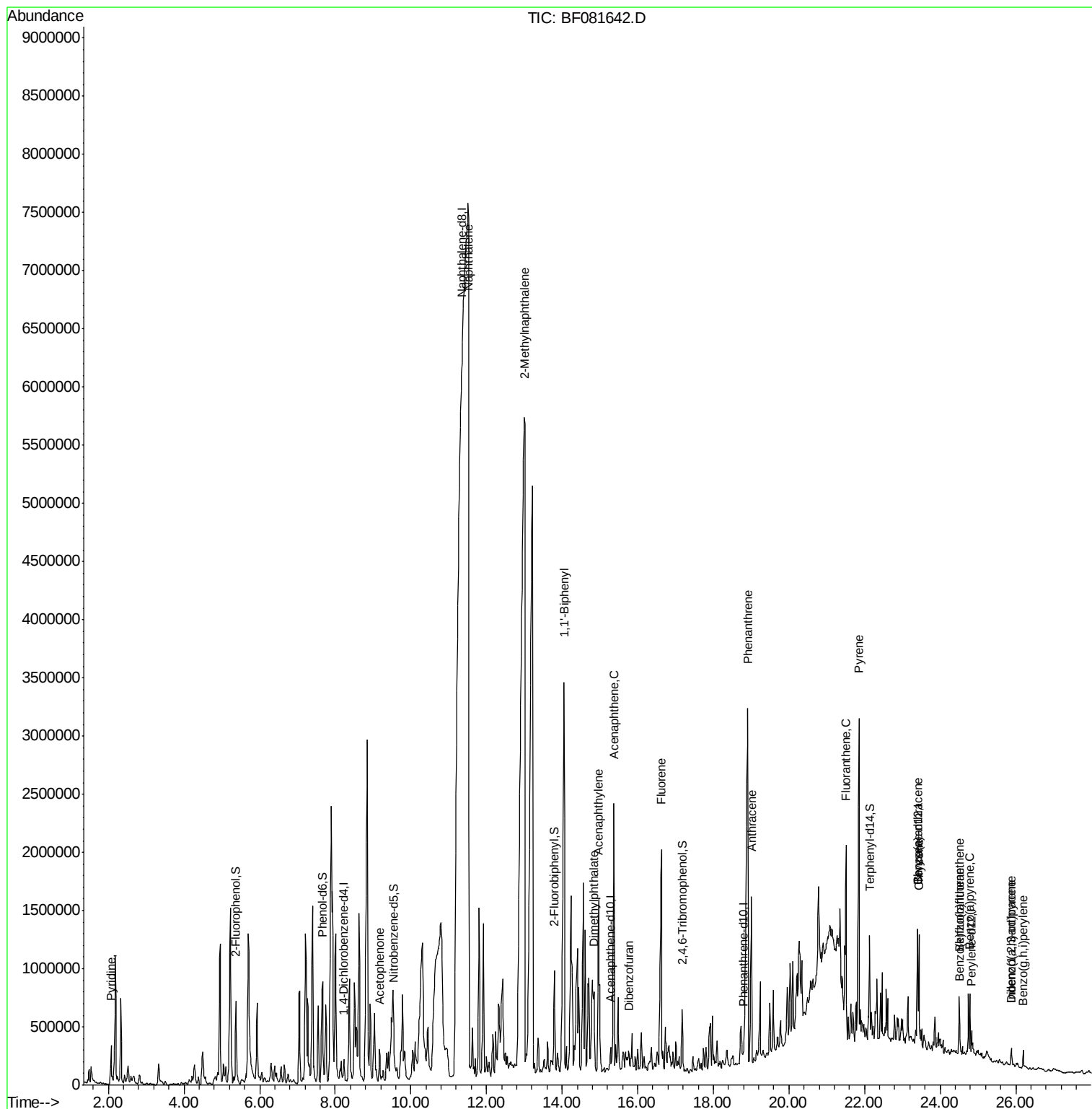
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081642.D
Acq On : 15 Sep 2015 22:51
Operator : UM/IZ
Sample : G3654-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

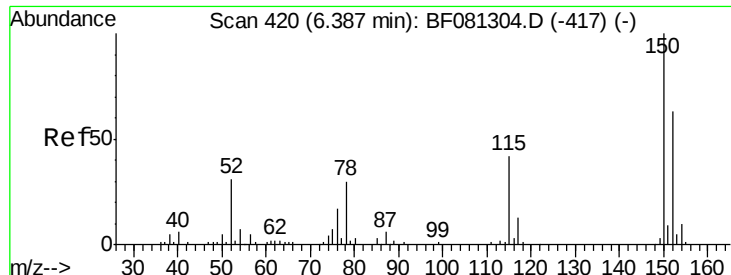
Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM

Quant Time: Sep 16 02:11:39 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 603

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

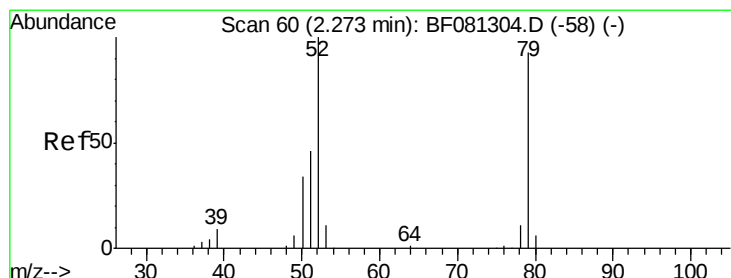
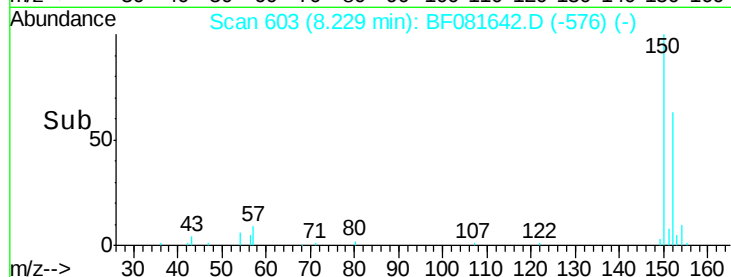
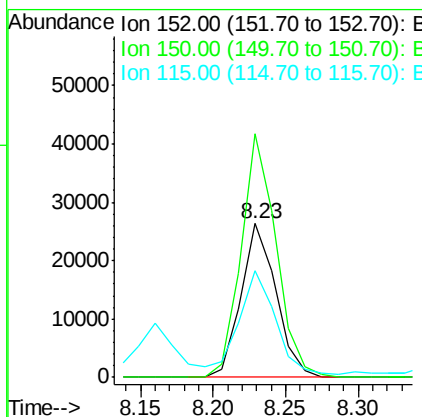
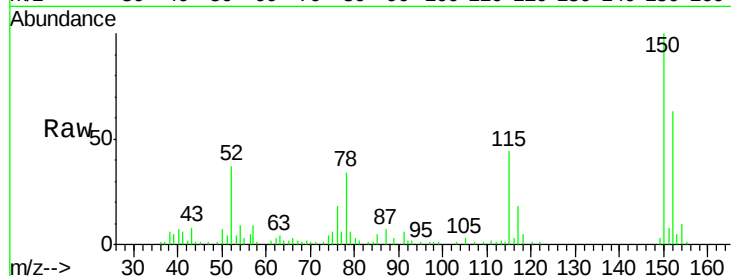
ClientSampleId :

MGP203(2-4)

Tgt Ion:	152	Resp:	44139
Ion Ratio	Lower	Upper	
152	100		
150	158.6	124.7	187.1
115	69.7	39.0	58.4#

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#3

Pyridine

Concen: 61.20 ng

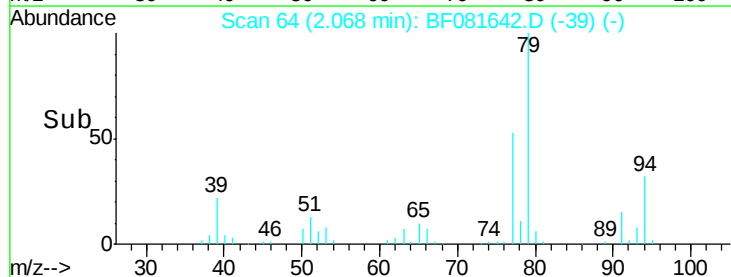
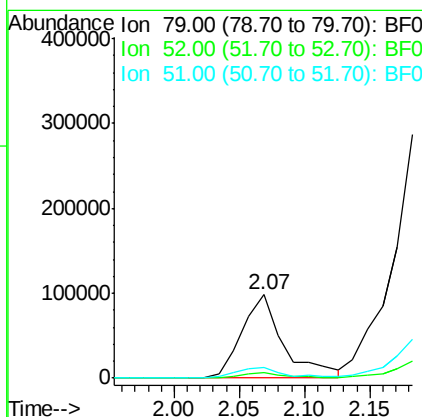
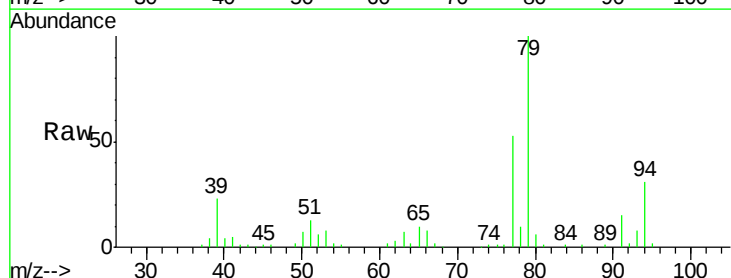
RT: 2.07 min Scan# 64

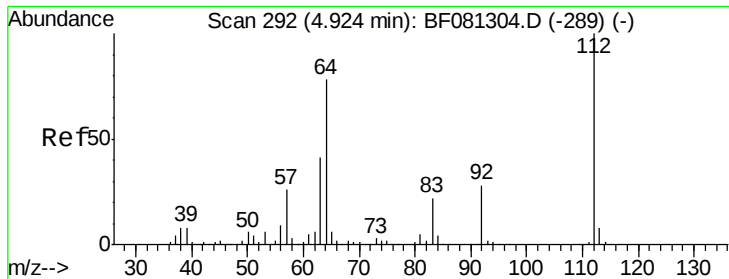
Delta R.T. -0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion:	79	Resp:	215643
Ion Ratio	Lower	Upper	
79	100		
52	6.3	76.8	115.2#
51	13.4	32.2	48.4#





#5

2-Fluorophenol

Concen: 111.81 ng

RT: 5.37 min Scan# 353

Delta R.T. 0.02 min

Lab File: BF081642.D

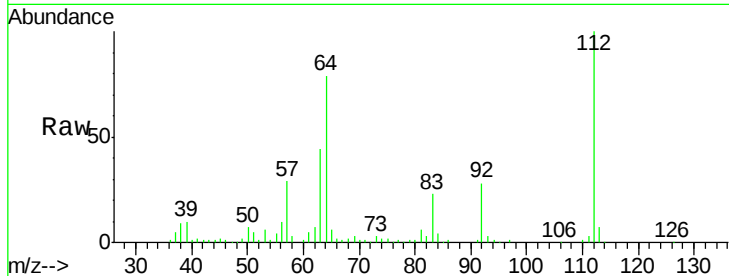
Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

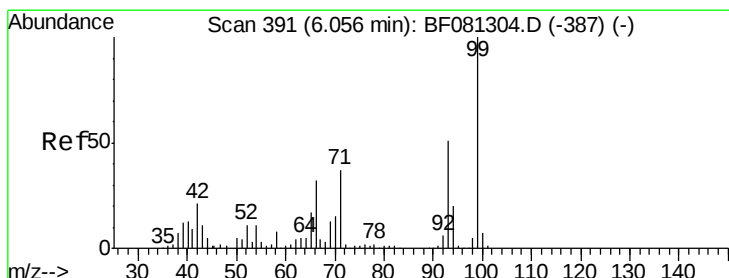
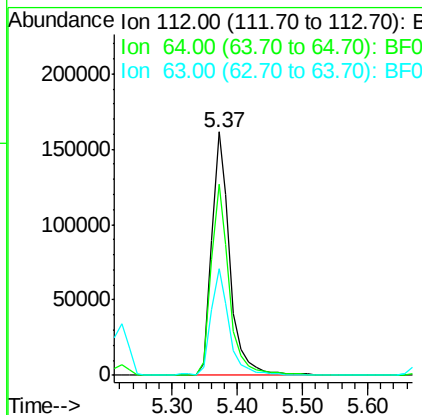
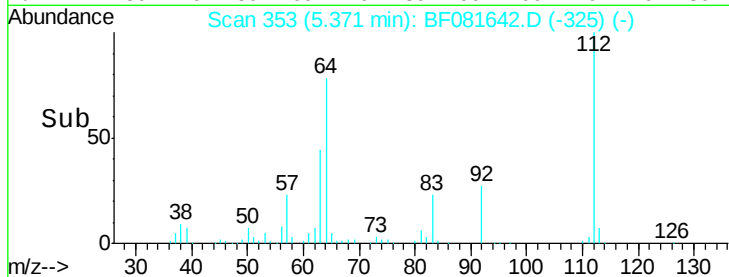
MGP203(2-4)



Tgt Ion:	112	Resp:	318099
Ion Ratio	Lower	Upper	
112	100		
64	78.7	39.7	59.5#
63	44.1	17.4	26.0#

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#7

Phenol-d6

Concen: 117.19 ng

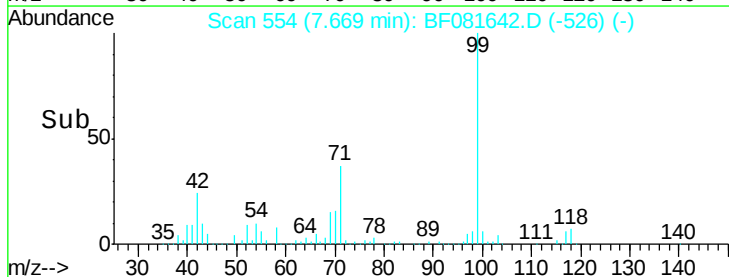
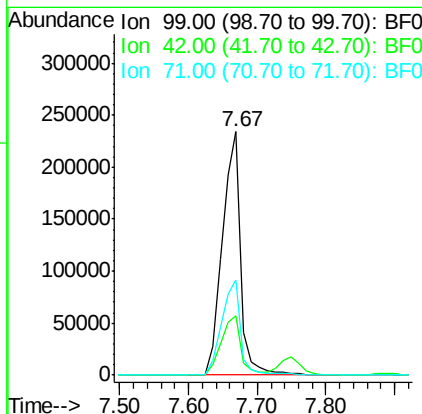
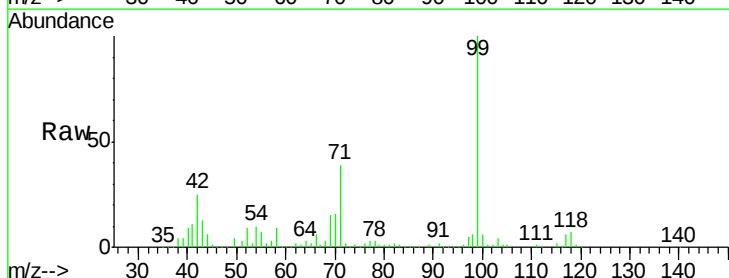
RT: 7.67 min Scan# 554

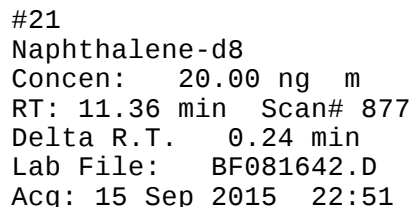
Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion:	99	Resp:	441310
Ion Ratio	Lower	Upper	
99	100		
42	24.6	13.7	20.5#
71	38.9	14.2	21.2#



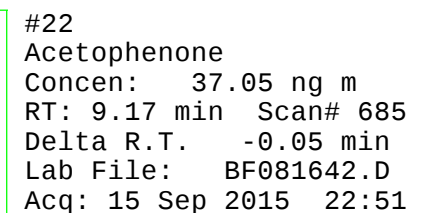
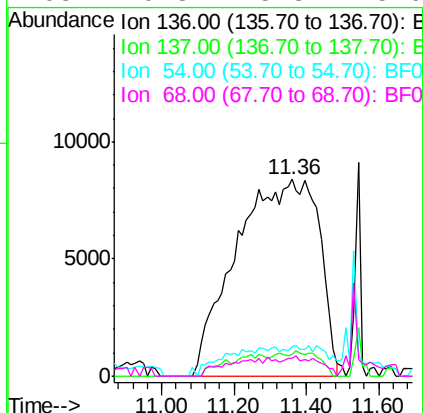


Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

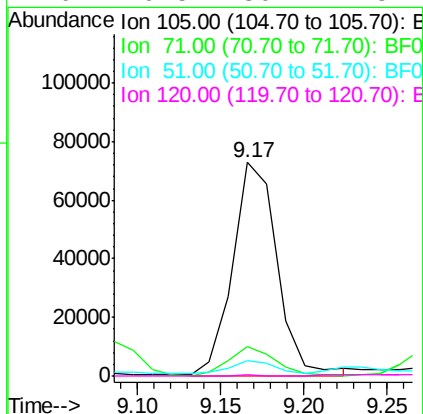
Manual Integrations APPROVED

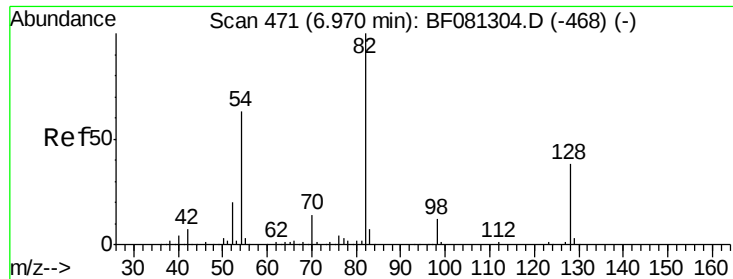
MMDadoda
9/16/2015 1:24:23 PM

Tgt	Ion:136	Resp:	133411
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	15.0	8.2	12.2#
68	9.3	5.8	8.6#



Tgt	Ion:105	Resp:	134999
Ion	Ratio	Lower	Upper
105	100		
71	14.0	4.7	7.1#
51	7.1	22.0	33.0#
120	0.5	30.1	45.1#





#23

Nitrobenzene-d5

Concen: 105.69 ng

RT: 9.54 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

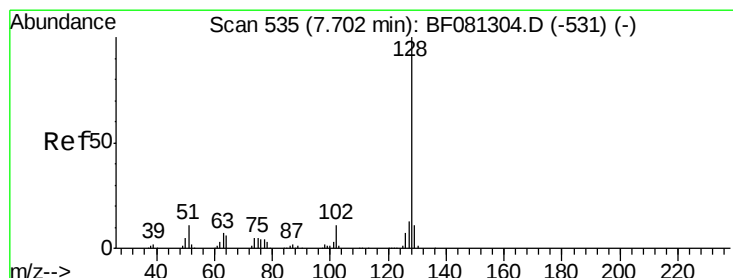
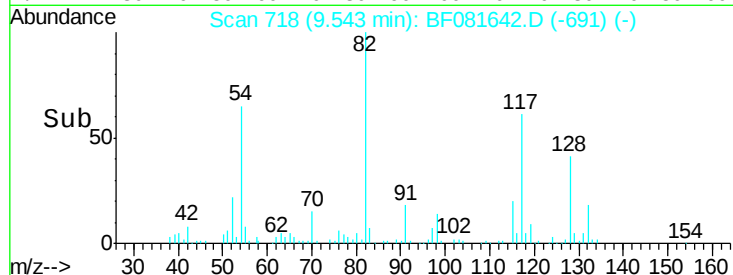
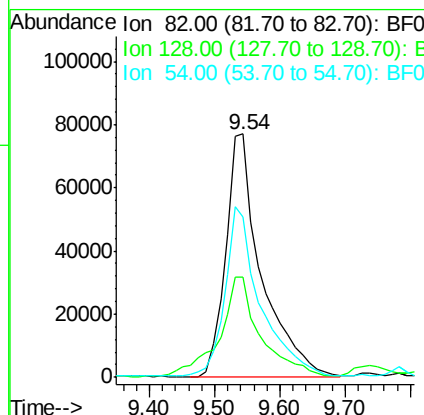
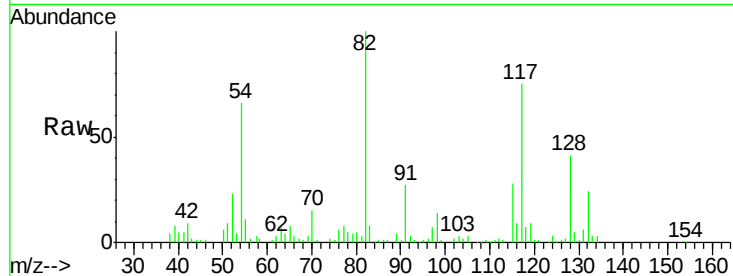
ClientSampleId :

MGP203(2-4)

Tgt Ion:	82	Resp:	292246
Ion Ratio	Lower	Upper	
82	100		
128	41.2	51.0	76.6#
54	66.1	47.5	71.3

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#31

Naphthalene

Concen: 7312.33 ng

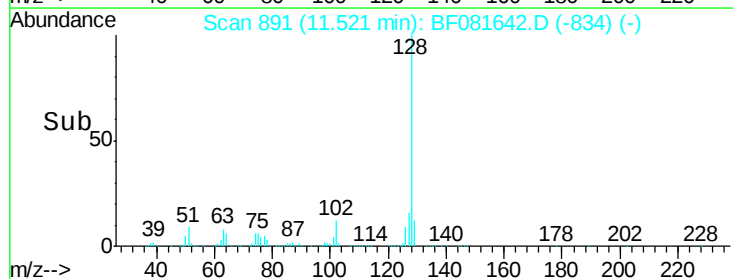
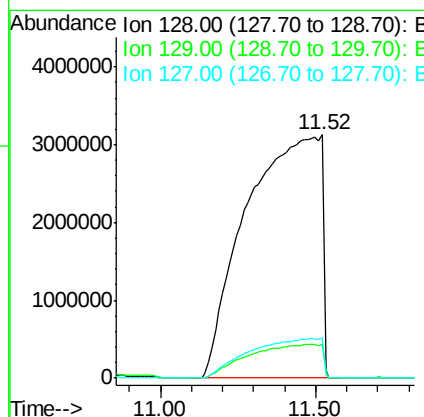
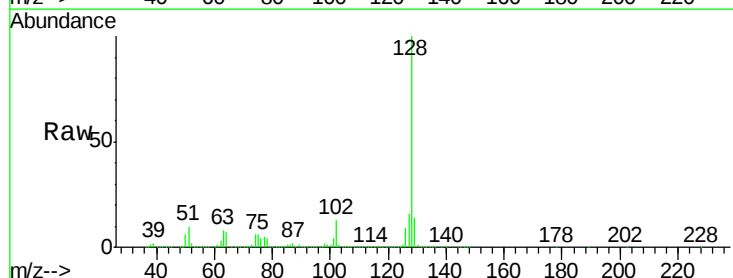
RT: 11.52 min Scan# 891

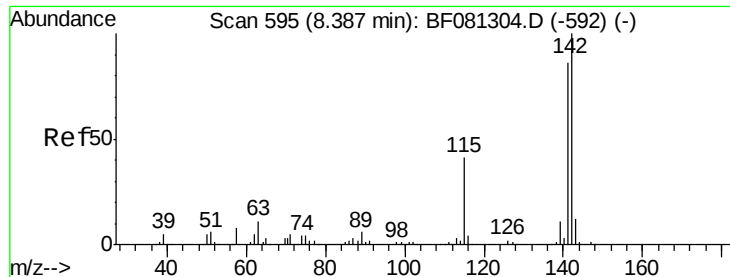
Delta R.T. 0.35 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion:	128	Resp:	52027091
Ion Ratio	Lower	Upper	
128	100		
129	13.7	8.4	12.6#
127	16.5	9.9	14.9#





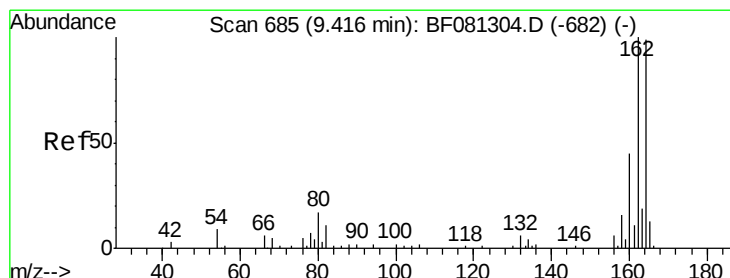
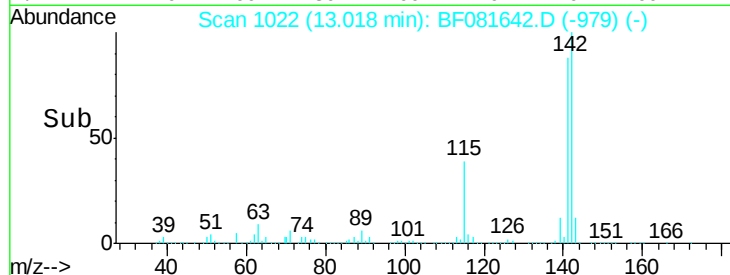
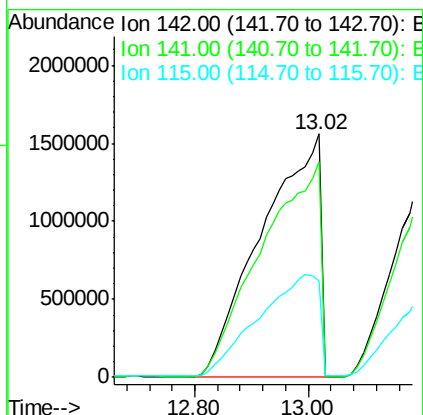
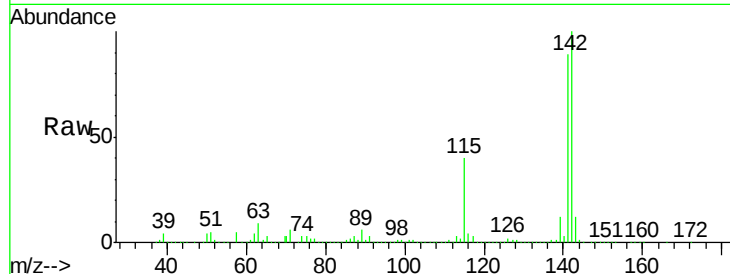
#37
2-Methylnaphthalene
Concen: 2393.24 ng
RT: 13.02 min Scan# 1022
Delta R.T. 0.19 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion:142 Resp:11081013
Ion Ratio Lower Upper
142 100
141 88.5 67.5 101.3
115 39.8 18.2 27.2#

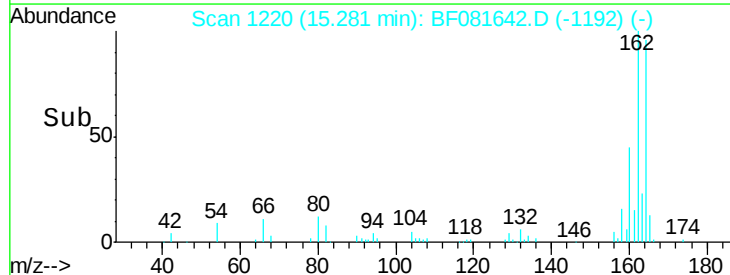
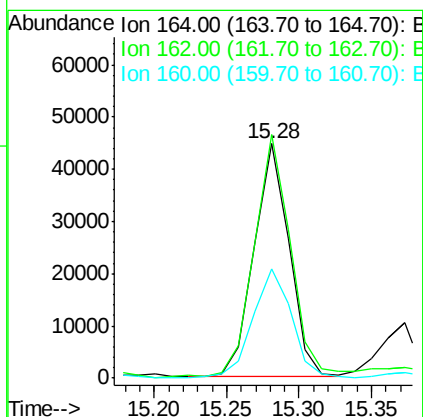
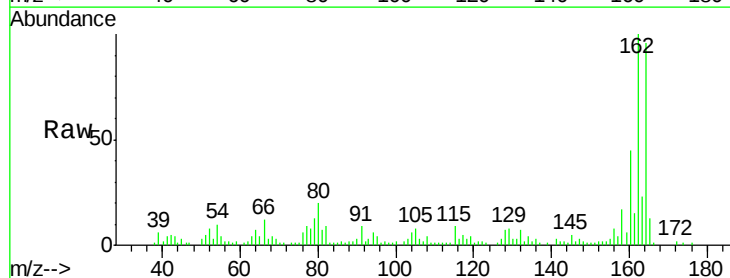
Manual Integrations
APPROVED

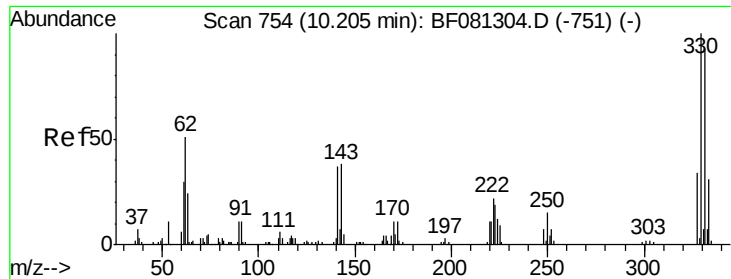
MMDadoda
9/16/2015 1:24:23 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.28 min Scan# 1220
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion:164 Resp: 74530
Ion Ratio Lower Upper
164 100
162 104.0 75.2 112.8
160 46.9 31.5 47.3





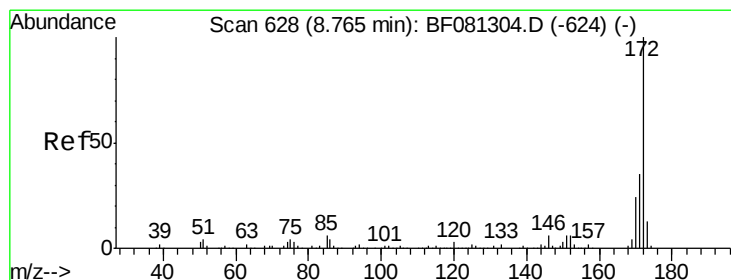
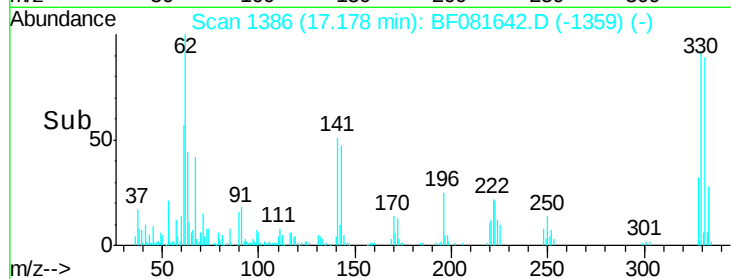
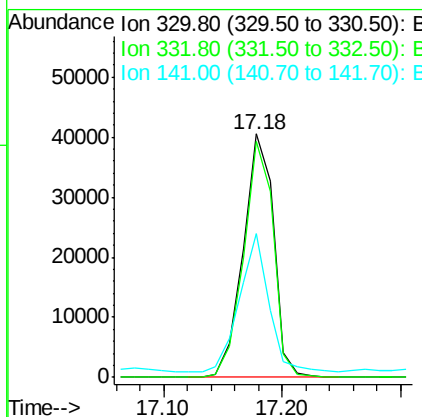
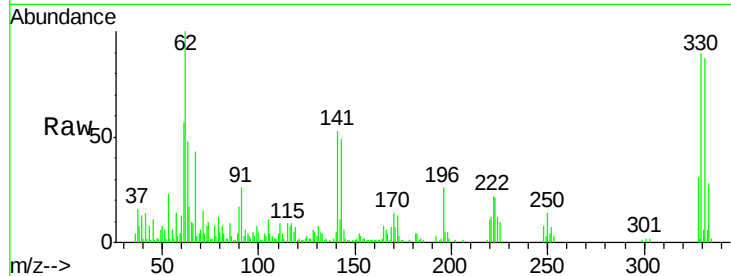
#41
 2,4,6-Tribromophenol
 Concen: 109.45 ng
 RT: 17.18 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	72635		
332	95.1	76.6	114.8	
141	54.4	29.7	44.5#	

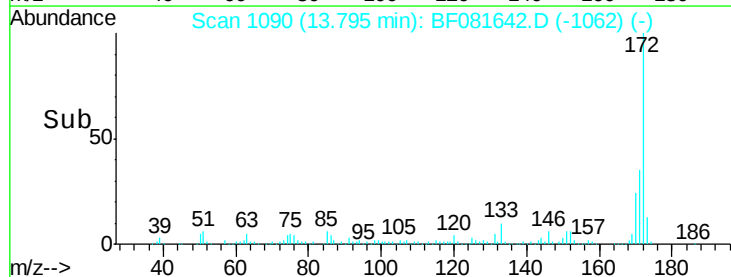
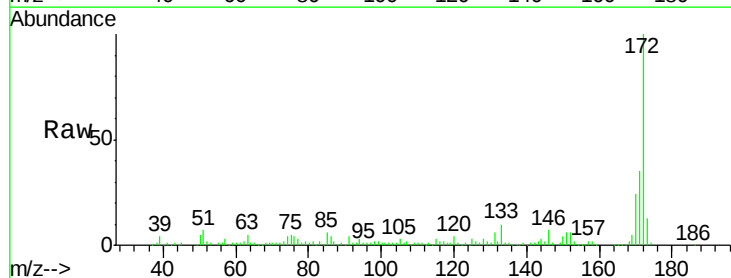
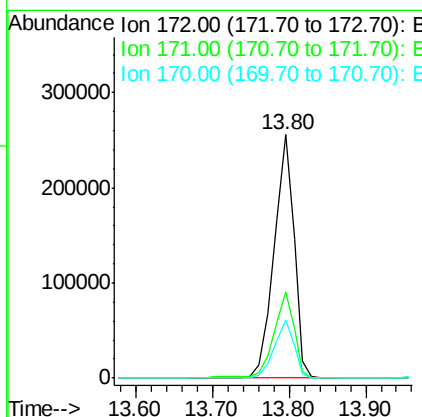
Manual Integrations
 APPROVED

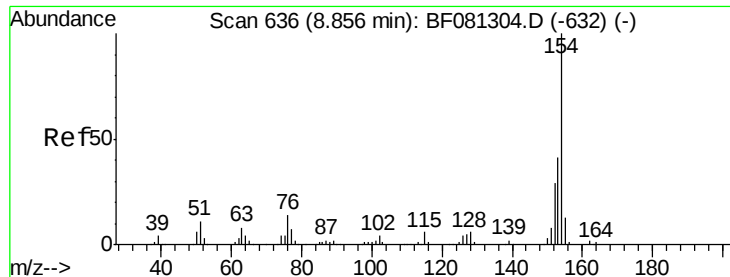
MMDadoda
 9/16/2015 1:24:23 PM



#44
 2-Fluorobiphenyl
 Concen: 79.64 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. 0.02 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	463184		
171	35.4	26.1	39.1	
170	24.0	17.4	26.2	





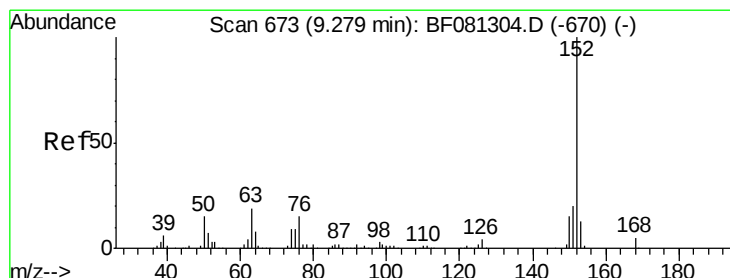
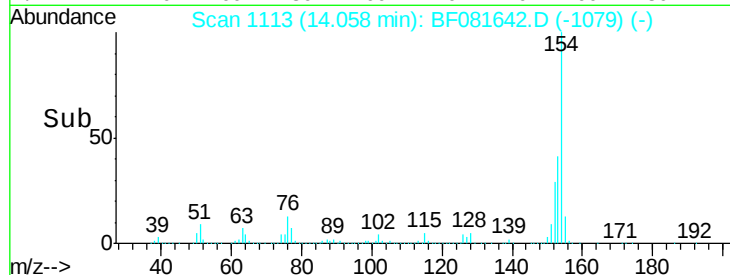
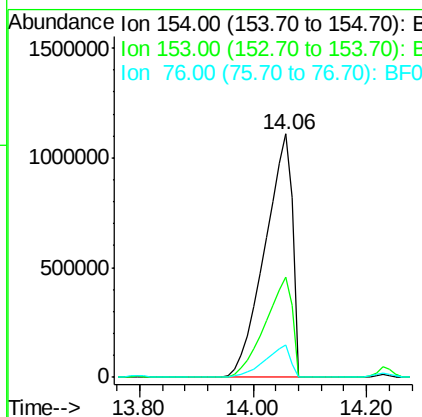
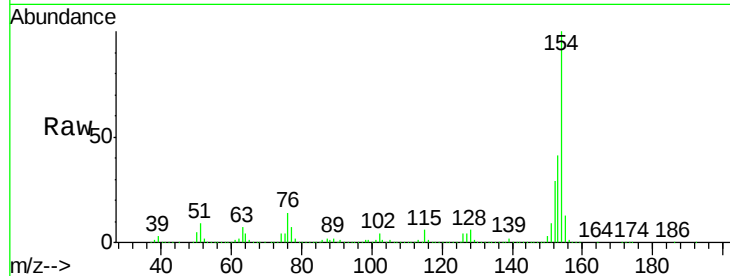
#45
 1,1'-Biphenyl
 Concen: 547.31 ng
 RT: 14.06 min Scan# 1113
 Delta R.T. 0.09 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	17.1	57.1
76	13.5	0.0	31.6

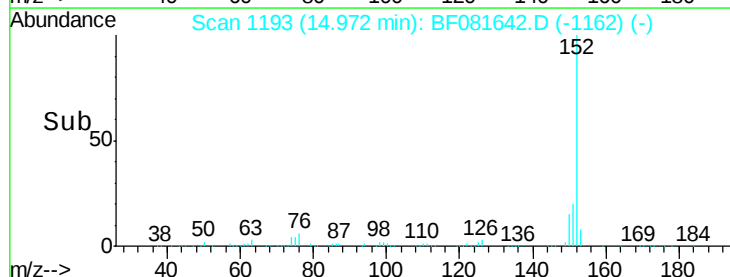
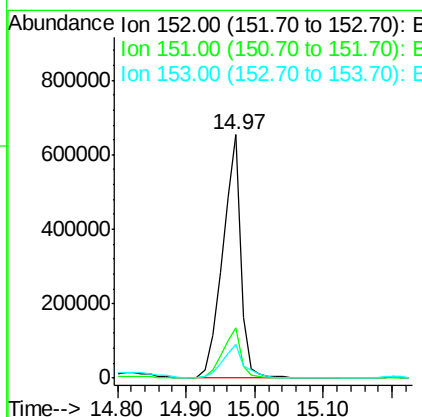
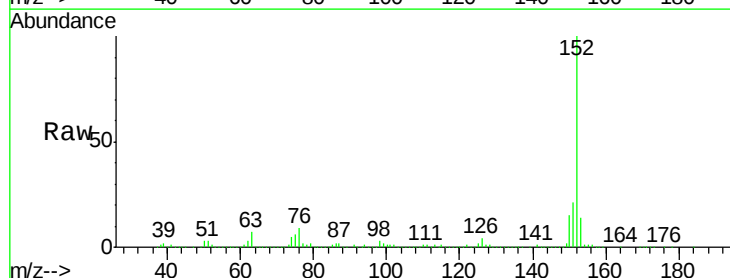
Manual Integrations
 APPROVED

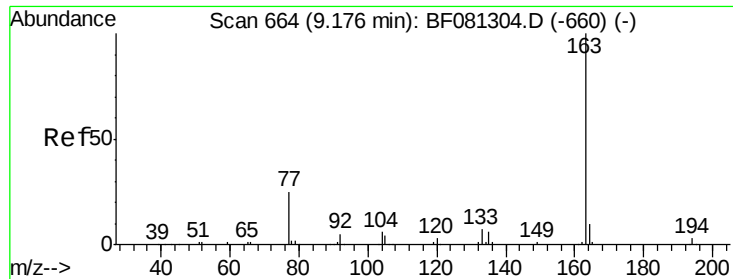
MMDadoda
 9/16/2015 1:24:23 PM



#48
 Acenaphthylene
 Concen: 138.26 ng
 RT: 14.97 min Scan# 1193
 Delta R.T. 0.06 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	14.6	22.0
153	13.6	10.3	15.5





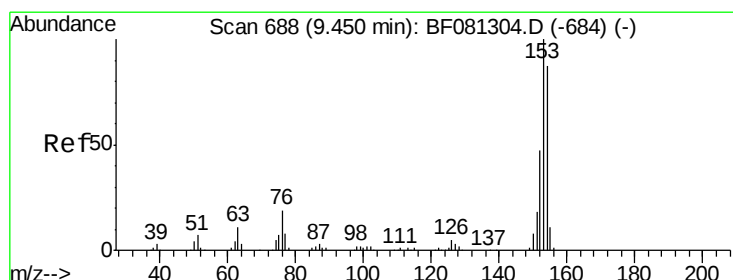
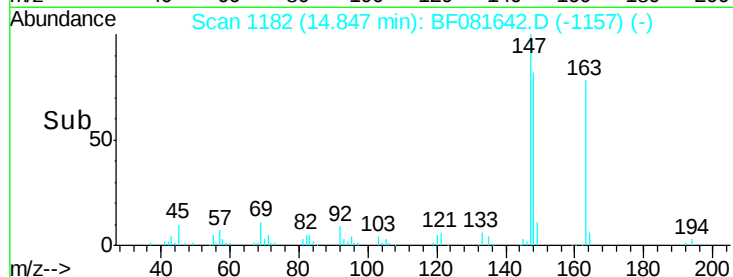
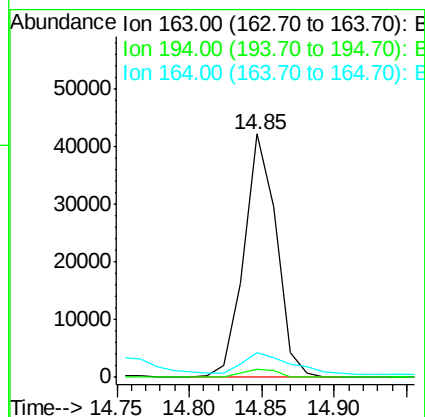
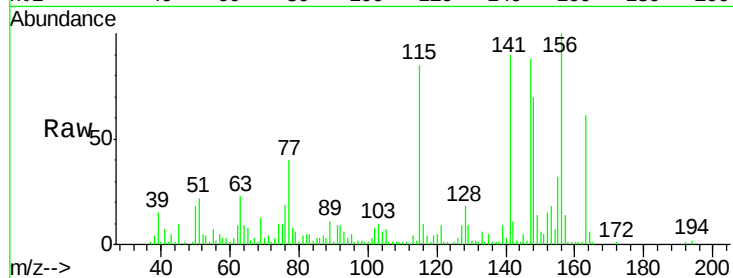
#49
Dimethylphthalate
Concen: 11.29 ng
RT: 14.85 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	65392		
194	3.5	4.4	6.6#	
164	10.3	8.3	12.5	

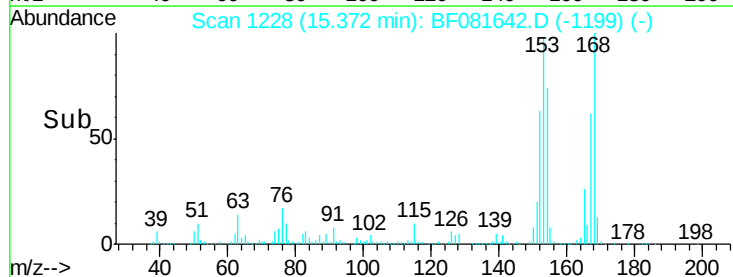
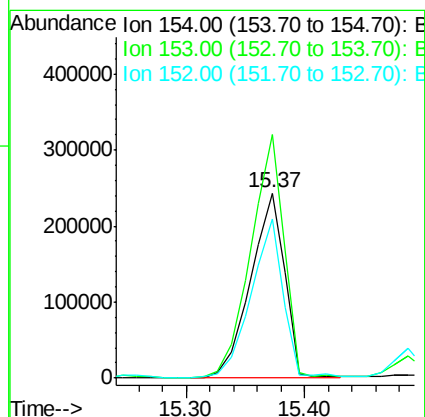
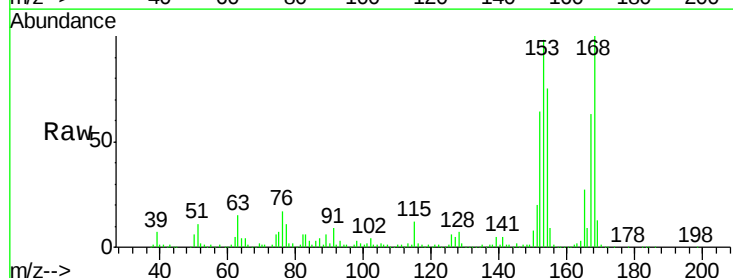
Manual Integrations
APPROVED

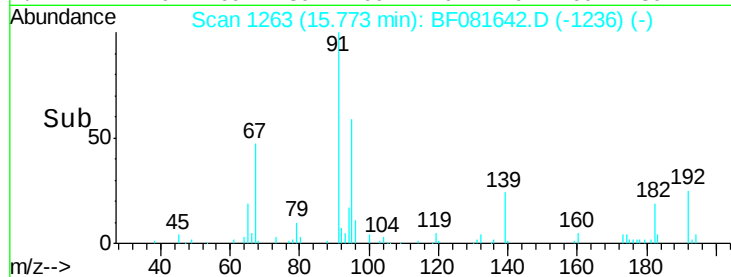
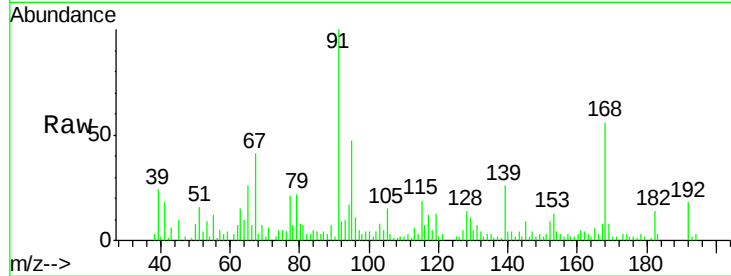
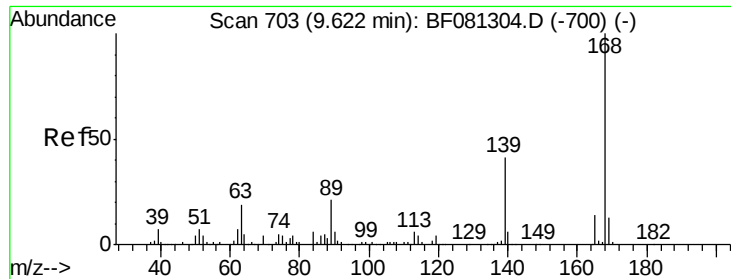
MMDadoda
9/16/2015 1:24:23 PM



#51
Acenaphthene
Concen: 97.06 ng
RT: 15.37 min Scan# 1228
Delta R.T. 0.03 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	485068		
153	131.5	82.1	123.1#	
152	85.7	37.9	56.9#	





#54

Dibenzofuran

Concen: 4.42 ng

RT: 15.77 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

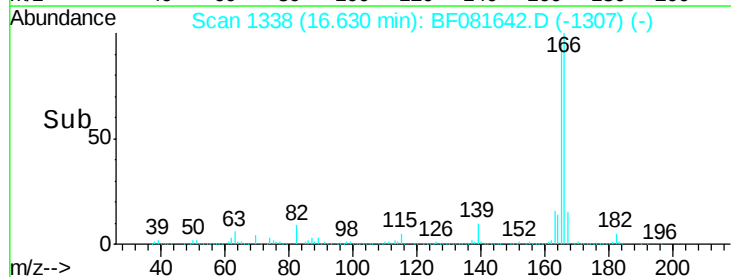
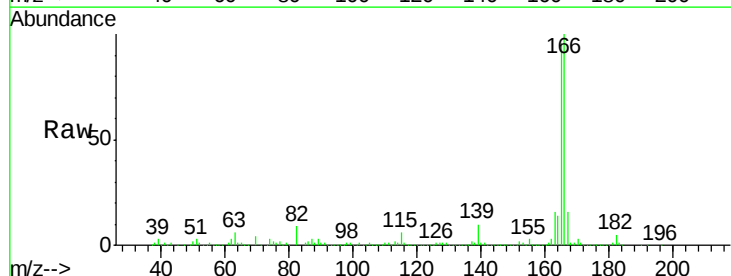
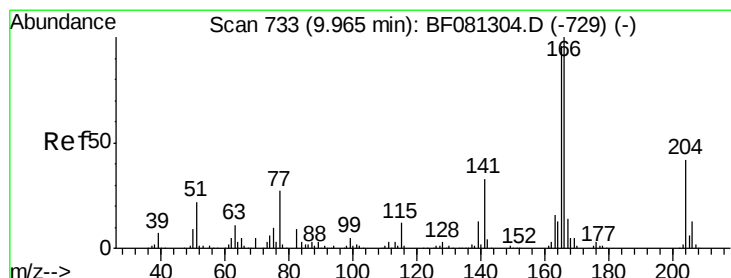
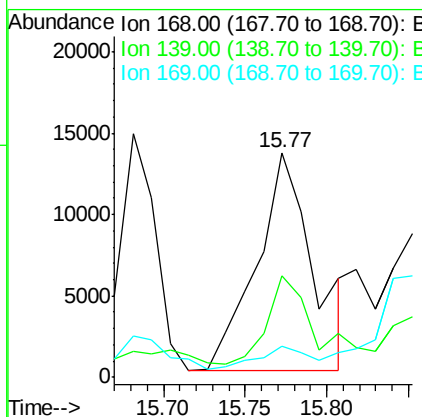
ClientSampleId :

MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.3	24.2	36.2#
169	14.0	10.6	15.8

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#57

Fluorene

Concen: 245.65 ng

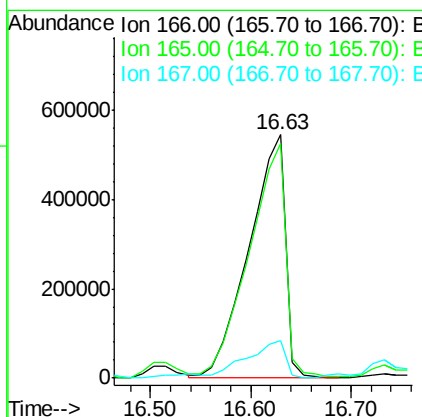
RT: 16.63 min Scan# 1338

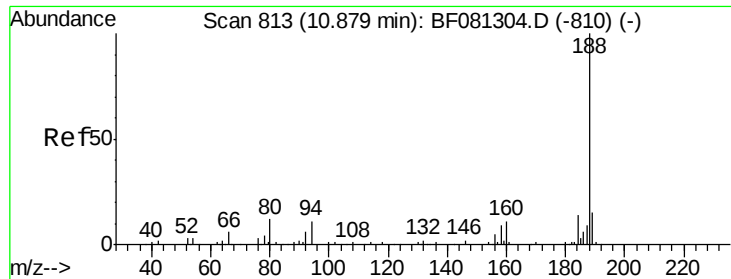
Delta R.T. 0.06 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	72.6	109.0
167	15.7	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.80 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF081642.D

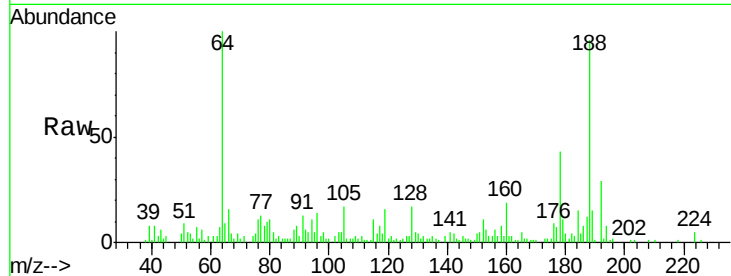
Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

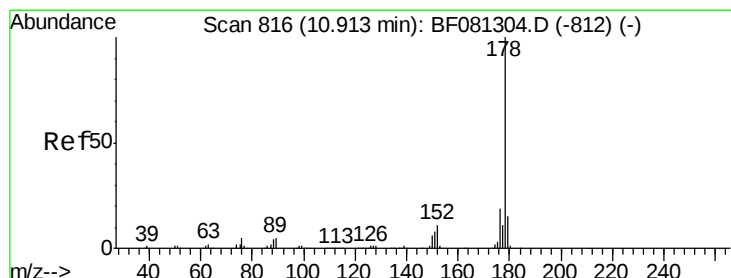
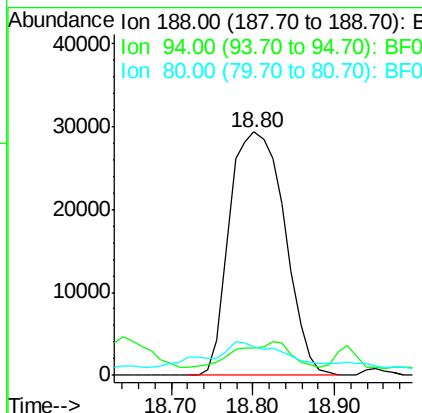
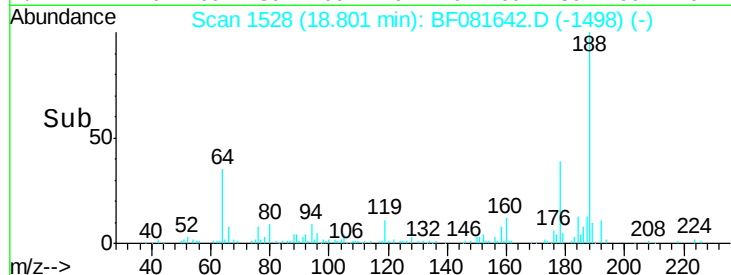
MGP203(2-4)



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	137094		
94	11.1	11.1	16.7#	
80	11.8	11.0	16.4	

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#70

Phenanthrene

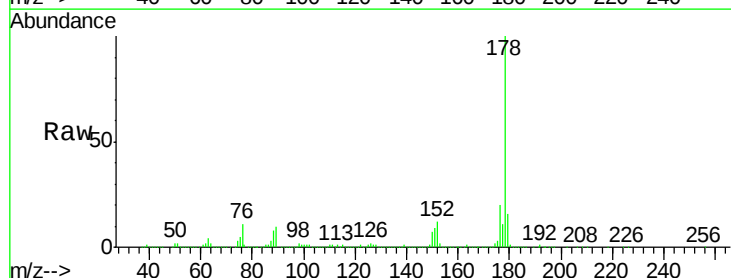
Concen: 581.54 ng

RT: 18.92 min Scan# 1538

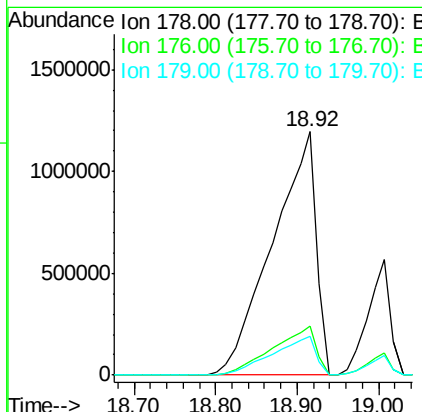
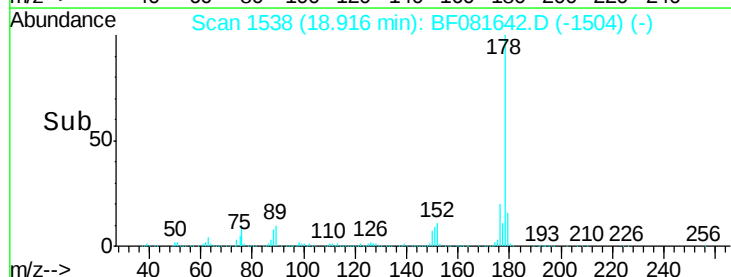
Delta R.T. 0.09 min

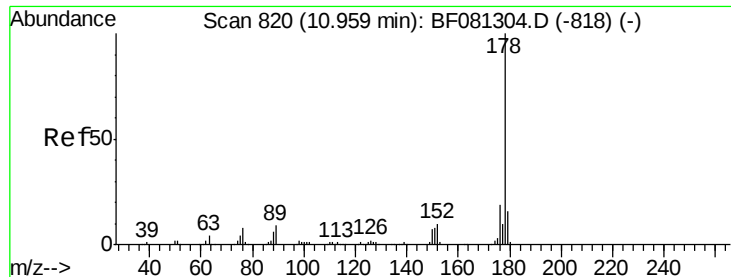
Lab File: BF081642.D

Acq: 15 Sep 2015 22:51



Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4432311		
176	20.1	13.8	20.8	
179	16.0	12.2	18.2	





#71

Anthracene

Concen: 137.33 ng

RT: 19.01 min Scan# 1546

Delta R.T. 0.06 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

Tgt Ion:178 Resp: 1075359

Ion Ratio Lower Upper

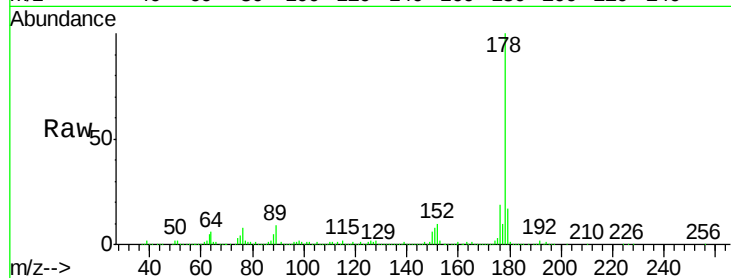
178 100

176 19.1 14.1 21.1

179 16.9 12.2 18.2

Manual Integrations
APPROVED

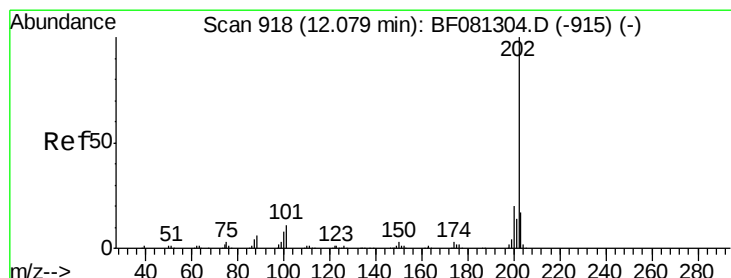
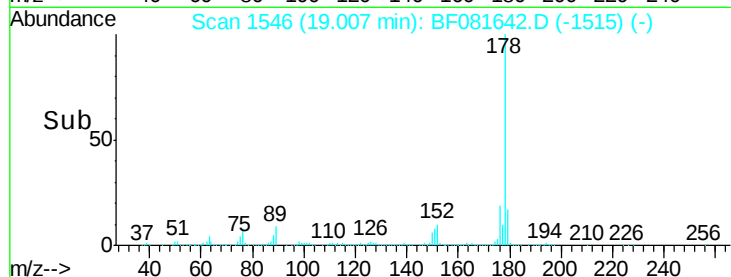
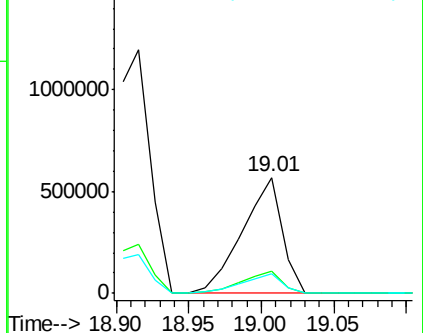
MMDadoda
9/16/2015 1:24:23 PM



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: 129.34 ng

RT: 21.51 min Scan# 1765

Delta R.T. 0.08 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

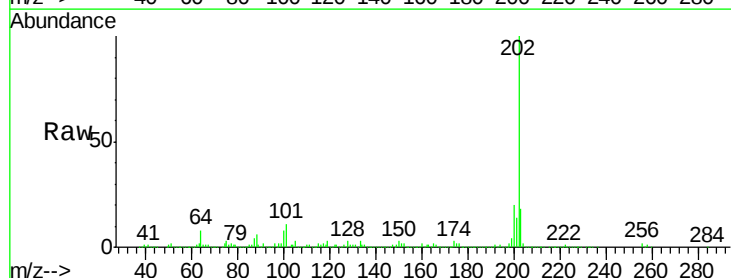
Tgt Ion:202 Resp: 1067190

Ion Ratio Lower Upper

202 100

101 10.7 0.0 38.3

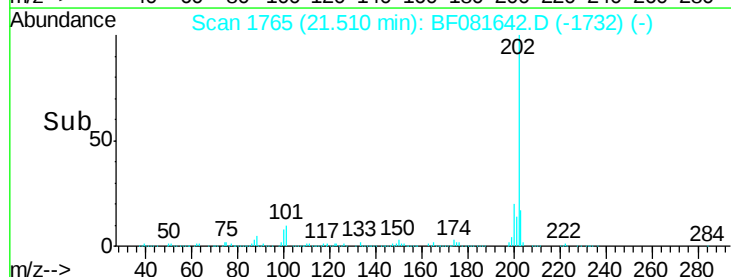
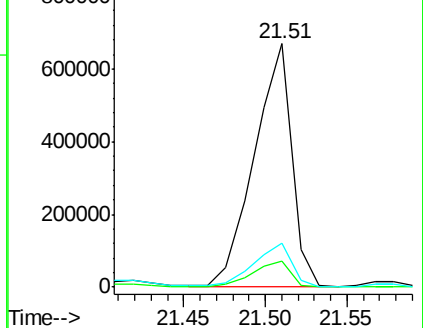
203 17.9 0.0 37.3

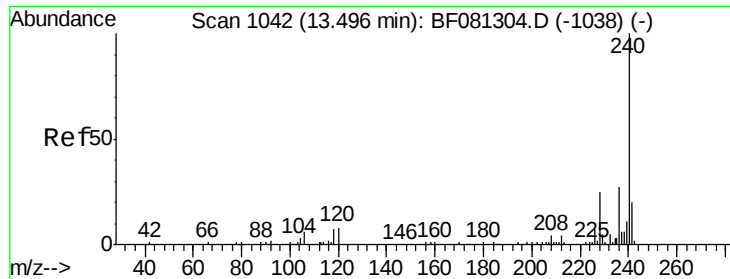


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.41 min Scan# 1931

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

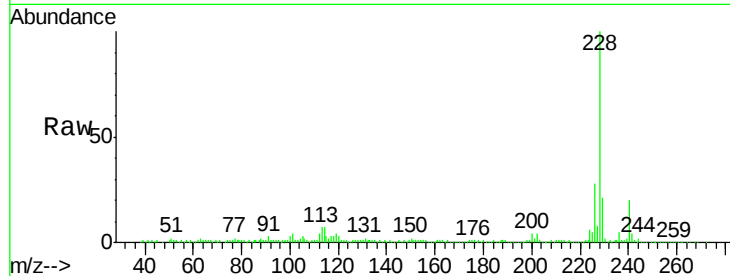
ClientSampleId :

MGP203(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	99198		
120	15.6	16.2	24.2#	
236	26.3	18.4	27.6	

Manual Integrations
APPROVED

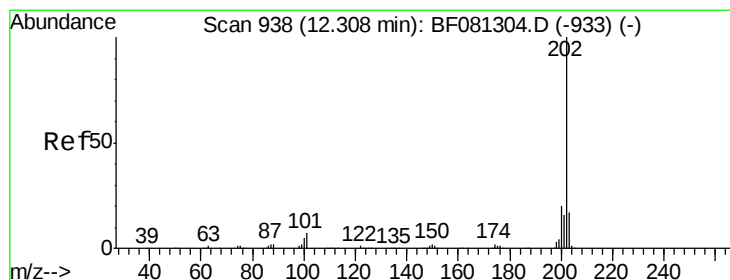
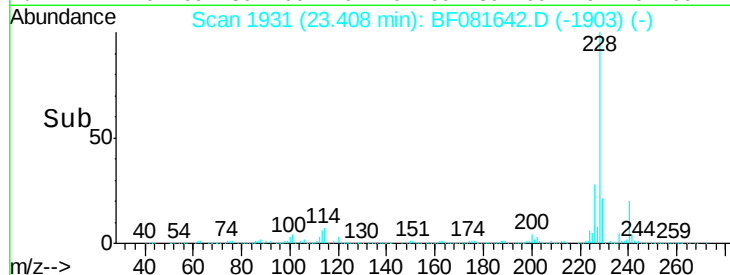
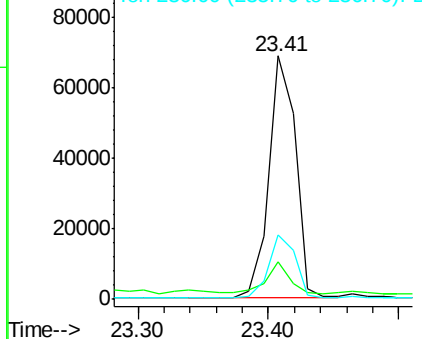
MMDadoda
9/16/2015 1:24:23 PM



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: 280.40 ng

RT: 21.85 min Scan# 1795

Delta R.T. 0.07 min

Lab File: BF081642.D

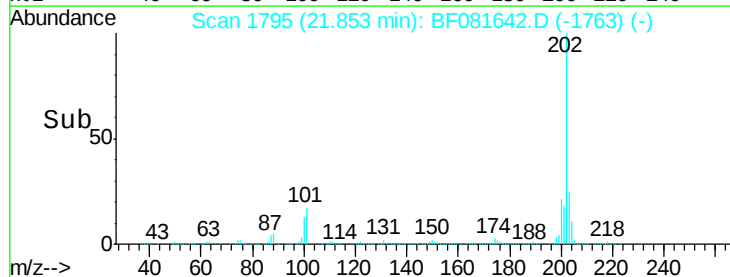
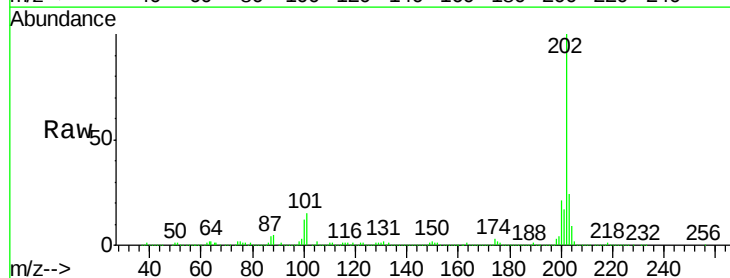
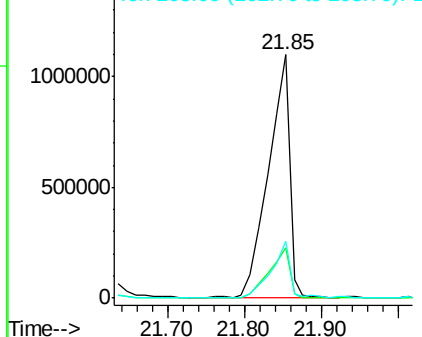
Acq: 15 Sep 2015 22:51

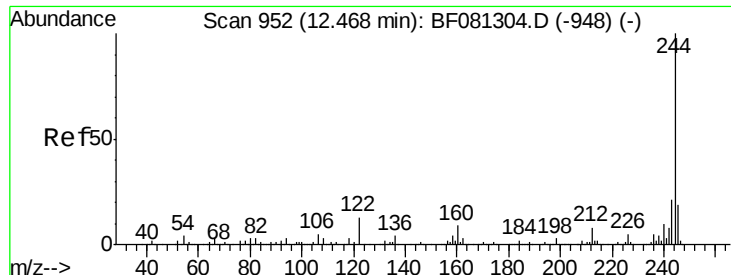
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2060384		
200	20.7	15.0	22.4	
203	23.6	14.1	21.1#	

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





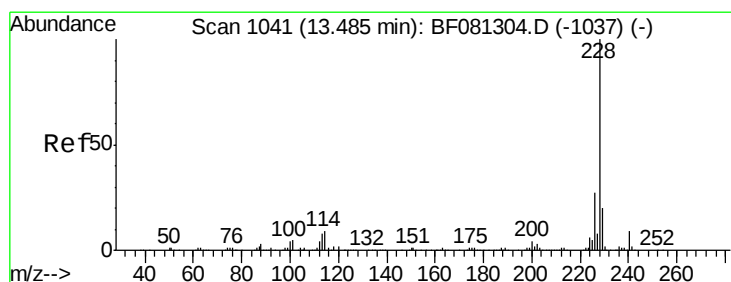
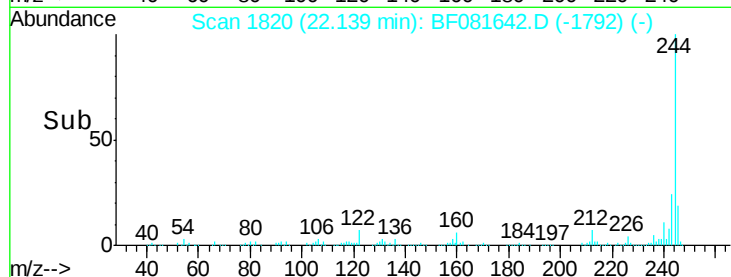
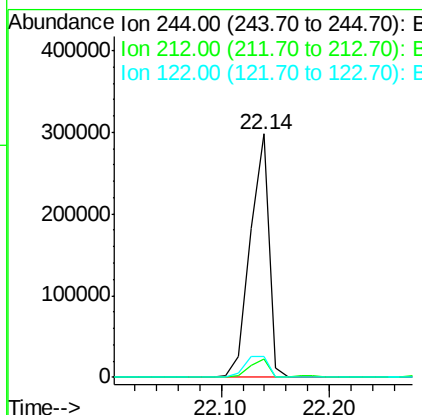
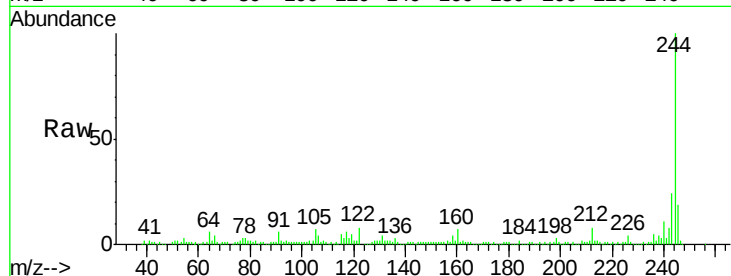
#78
 Terphenyl-d14
 Concen: 84.08 ng
 RT: 22.14 min Scan# 1820
 Delta R.T. 0.02 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	4.3	6.5#
122	8.4	17.4	26.2#

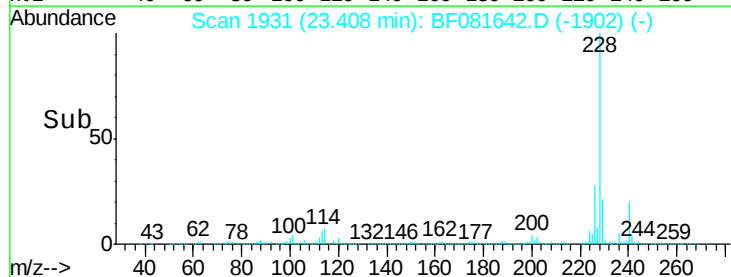
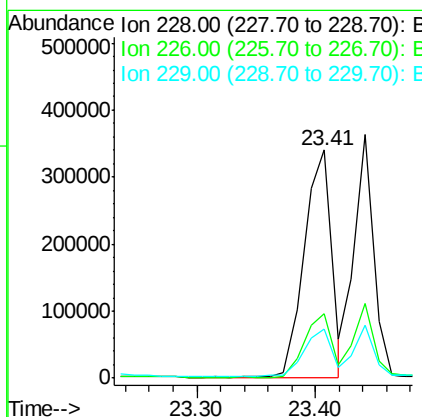
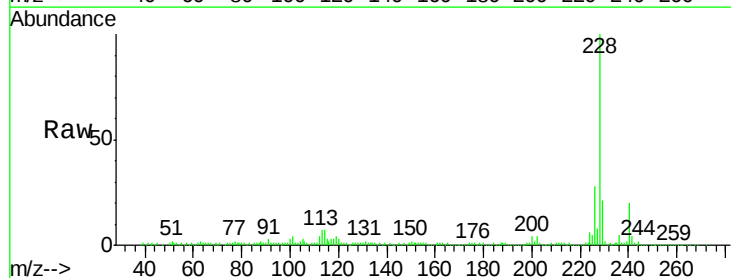
Manual Integrations
 APPROVED

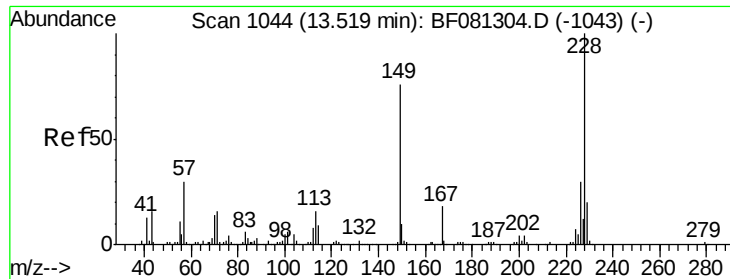
MMDadoda
 9/16/2015 1:24:23 PM



#80
 Benzo(a)anthracene
 Concen: 85.43 ng
 RT: 23.41 min Scan# 1931
 Delta R.T. 0.03 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.5	20.0	30.0
229	21.3	15.4	23.2





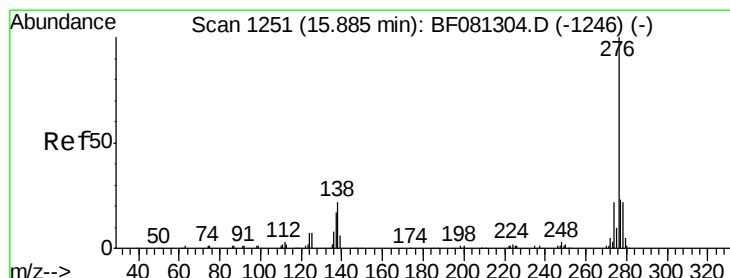
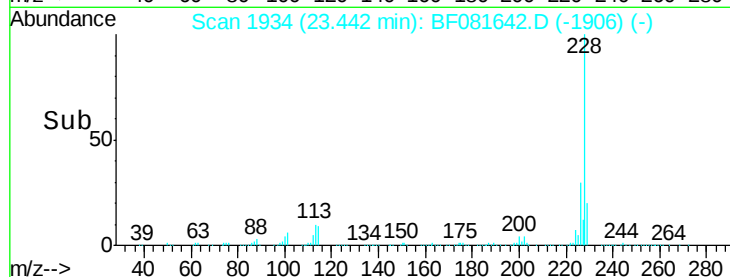
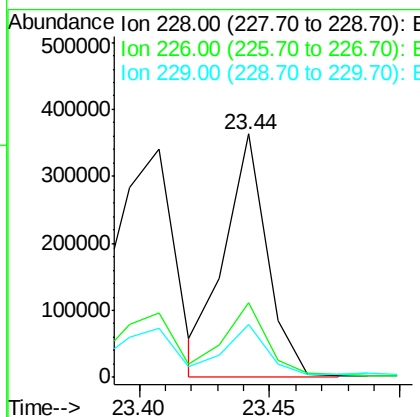
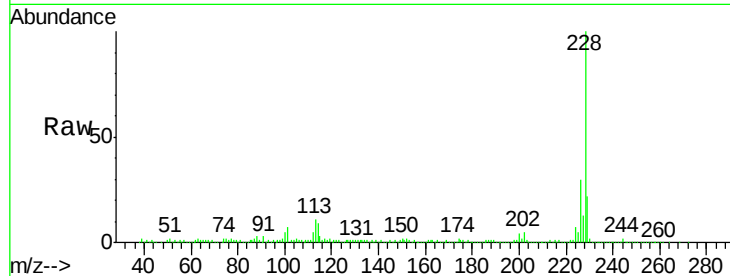
#82
Chrysene
Concen: 72.36 ng
RT: 23.44 min Scan# 1934
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.0	31.4
229	21.5	15.6	23.4

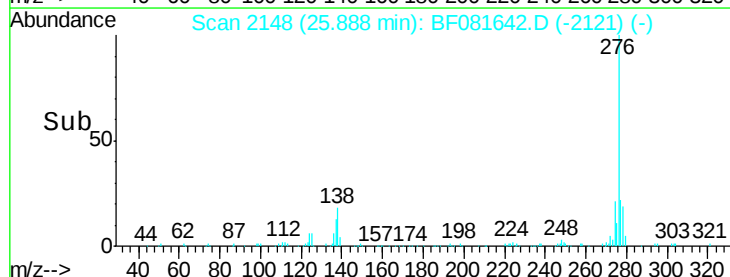
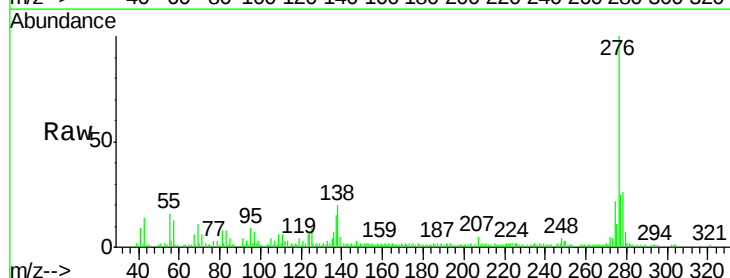
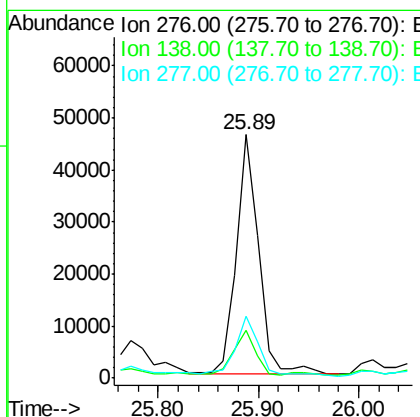
Manual Integrations
APPROVED

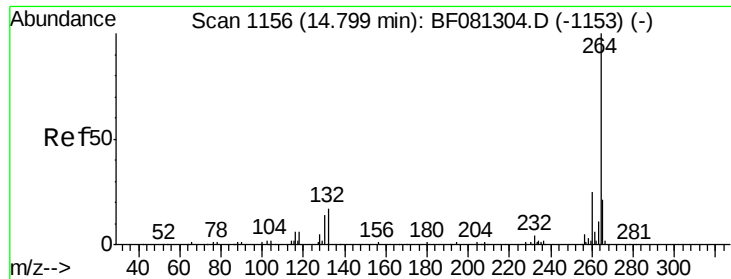
MMDadoda
9/16/2015 1:24:23 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 17.30 ng
RT: 25.89 min Scan# 2148
Delta R.T. 0.01 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.7	38.5#
277	24.9	15.6	23.4#





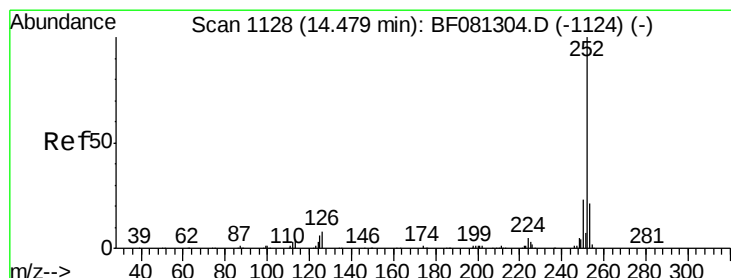
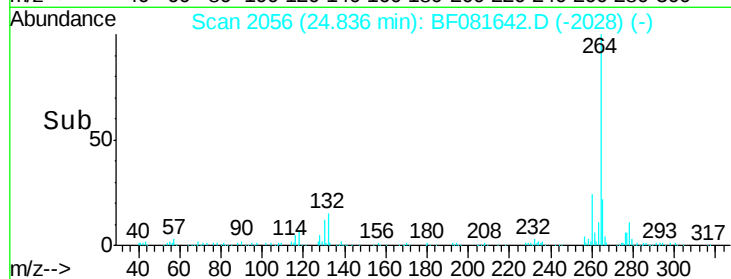
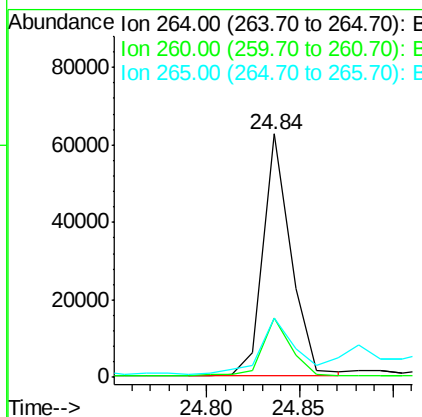
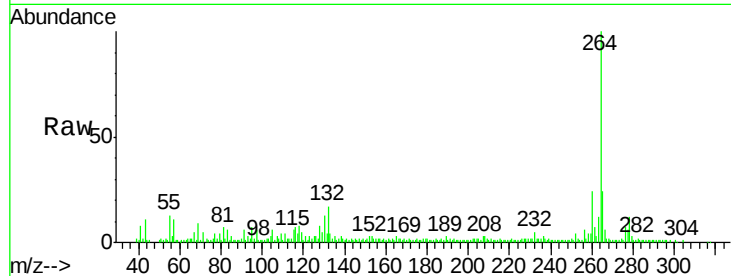
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	24.4	17.2	25.8

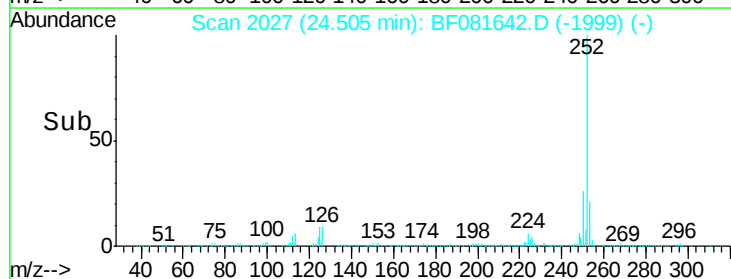
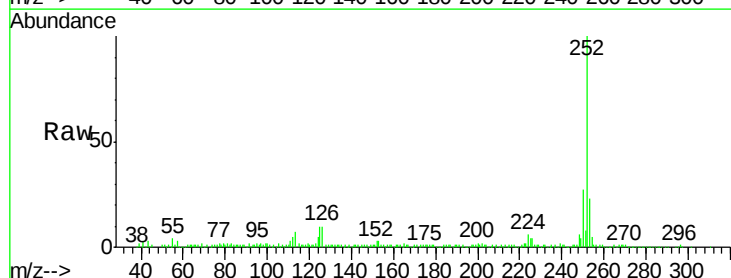
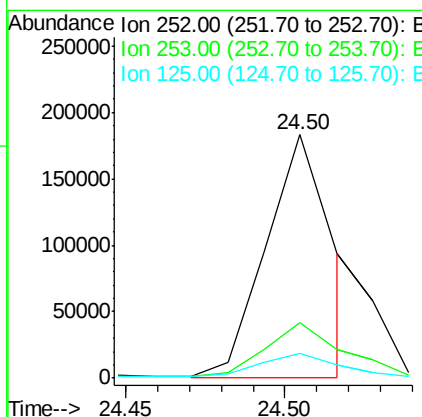
Manual Integrations
APPROVED

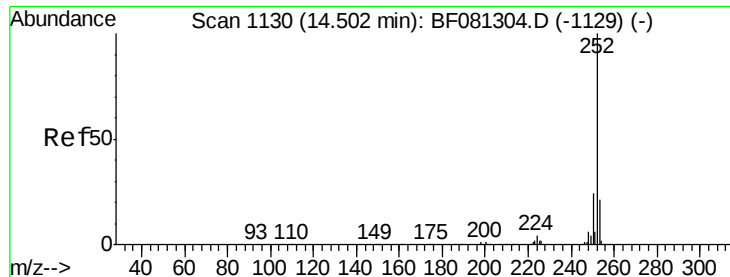
MMDadoda
9/16/2015 1:24:23 PM



#87
Benzo(b)fluoranthene
Concen: 57.50 ng m
RT: 24.50 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.1	17.1	25.7#





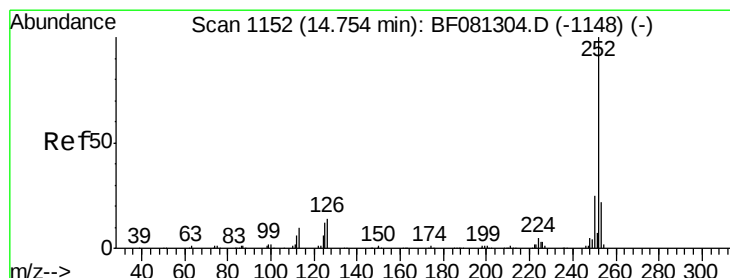
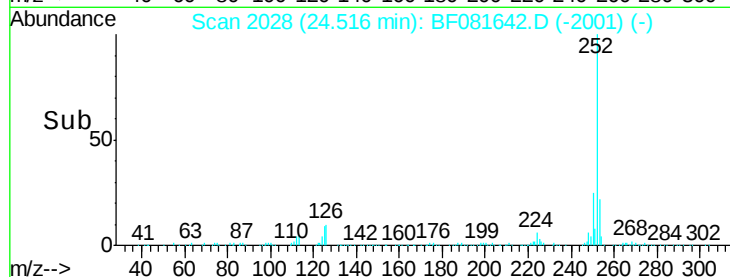
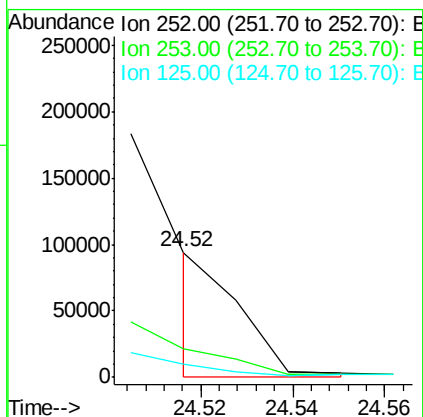
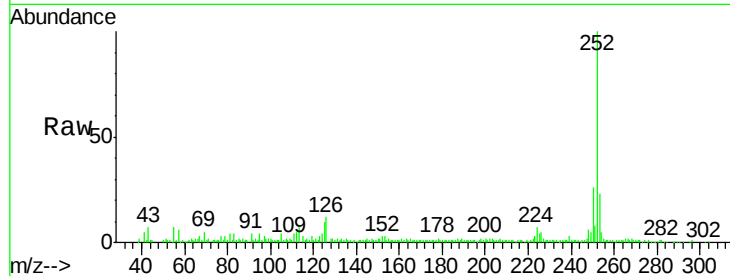
#88
Benzo(k)fluoranthene
Concen: 11.90 ng m
RT: 24.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	10.2	16.0	24.0

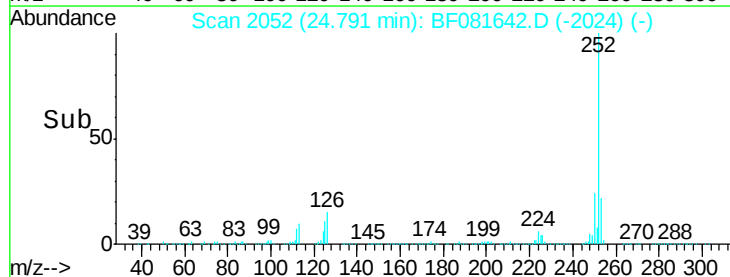
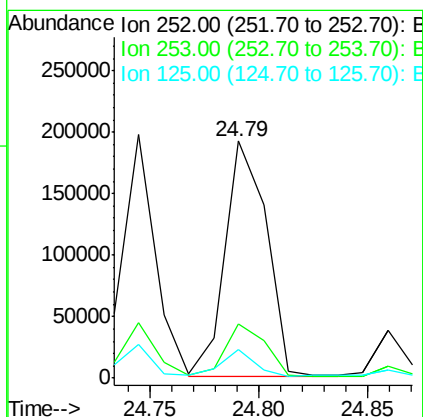
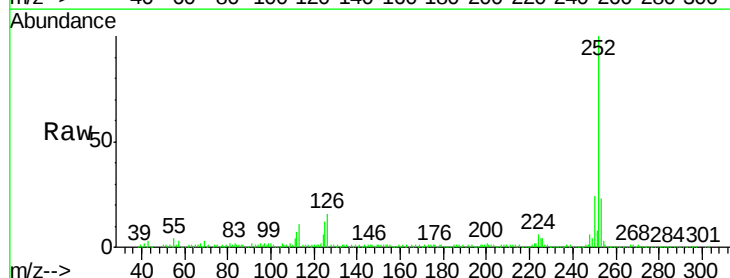
Manual Integrations
APPROVED

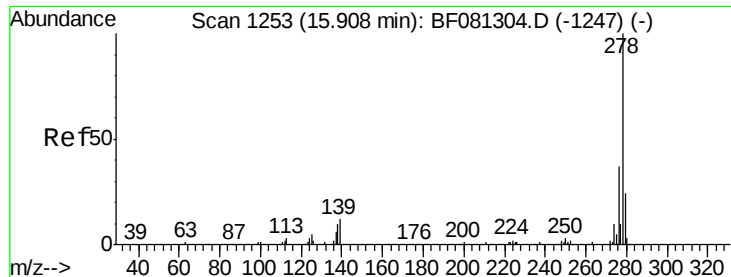
MMDadoda
9/16/2015 1:24:23 PM



#89
Benzo(a)pyrene
Concen: 65.28 ng
RT: 24.79 min Scan# 2052
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.0	18.0	27.0





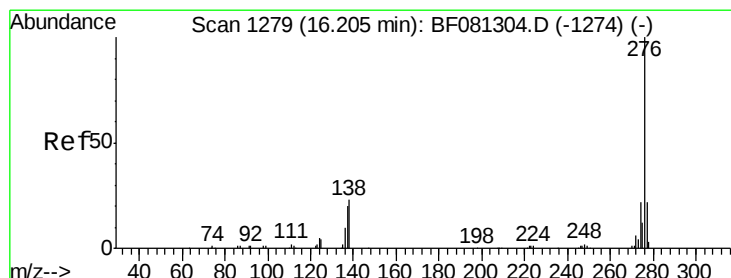
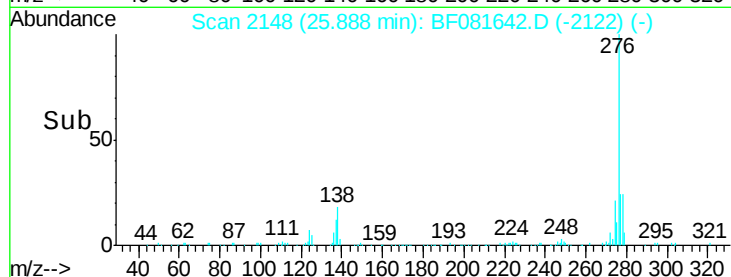
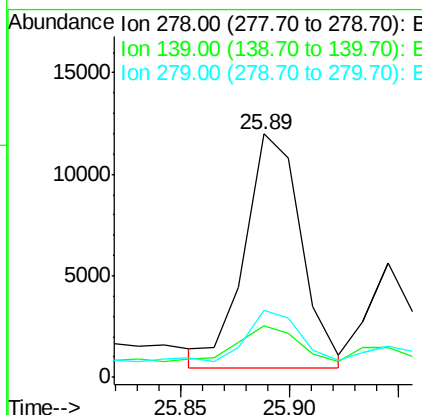
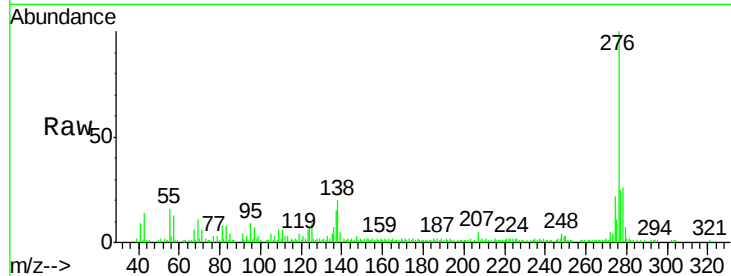
#90
Dibenzo(a,h)anthracene
Concen: 7.00 ng
RT: 25.89 min Scan# 2148
Delta R.T. -0.00 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	26.3	39.5#
279	27.6	18.2	27.4#

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:24:23 PM



#91
Benzo(g,h,i)perylene
Concen: 35.44 ng
RT: 26.20 min Scan# 2175
Delta R.T. 0.02 min
Lab File: BF081642.D
Acq: 15 Sep 2015 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.8	26.6
138	21.1	34.6	51.8#

