

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081501.D
 Acq On : 6 Sep 2015 10:42
 Operator : UM/IZ
 Sample : G3469-04RE
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

Manual Integrations
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 9/8/2015 3:57:31 PM

Quant Time: Sep 07 09:02:32 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 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	52806	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	200659	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	89996	20.00	ng	-0.01
63) Phenanthrene-d10	10.86	188	178887	20.00	ng	0.00
75) Chrysene-d12	13.46	240	120080	20.00	ng	0.00
86) Perylene-d12	14.77	264	88899	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	557554	163.82	ng	0.02
7) Phenol-d6	6.03	99	744488	165.25	ng	0.00
23) Nitrobenzene-d5	6.94	82	438846	105.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	128959	160.93	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	715247	101.85	ng	-0.01
78) Terphenyl-d14	12.43	244	621819	120.54	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.67	128	634414	59.28	ng	98
37) 2-Methylnaphthalene	8.35	142	86820	12.47	ng	# 88
45) 1,1'-Biphenyl	8.82	154	42302	5.11	ng	95
48) Acenaphthylene	9.24	152	276104	26.03	ng	97
49) Dimethylphthalate	9.13	163	100611	14.39	ng	# 97
51) Acenaphthene	9.42	154	54365	9.01	ng	91
54) Dibenzofuran	9.59	168	163559	18.56	ng	# 84
57) Fluorene	9.93	166	170339m	25.47	ng	
70) Phenanthrene	10.88	178	1202841	120.95	ng	96
71) Anthracene	10.92	178	256297	25.08	ng	97
72) Carbazole	11.08	167	102488	10.69	ng	# 96
74) Fluoranthene	12.06	202	957461	88.93	ng	90
77) Pyrene	12.27	202	930296m	104.59	ng	
80) Benzo(a)anthracene	13.45	228	243332m	31.82	ng	
82) Chrysene	13.49	228	216274m	31.55	ng	
85) Indeno(1,2,3-cd)pyrene	15.84	276	142505	28.33	ng	# 80
87) Benzo(b)fluoranthene	14.45	252	252846m	39.84	ng	
88) Benzo(k)fluoranthene	14.46	252	49357m	9.37	ng	
89) Benzo(a)pyrene	14.72	252	184679	34.34	ng	# 84
90) Dibenzo(a,h)anthracene	15.84	278	22644m	5.45	ng	
91) Benzo(g,h,i)perylene	16.16	276	159596	40.24	ng	# 74

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

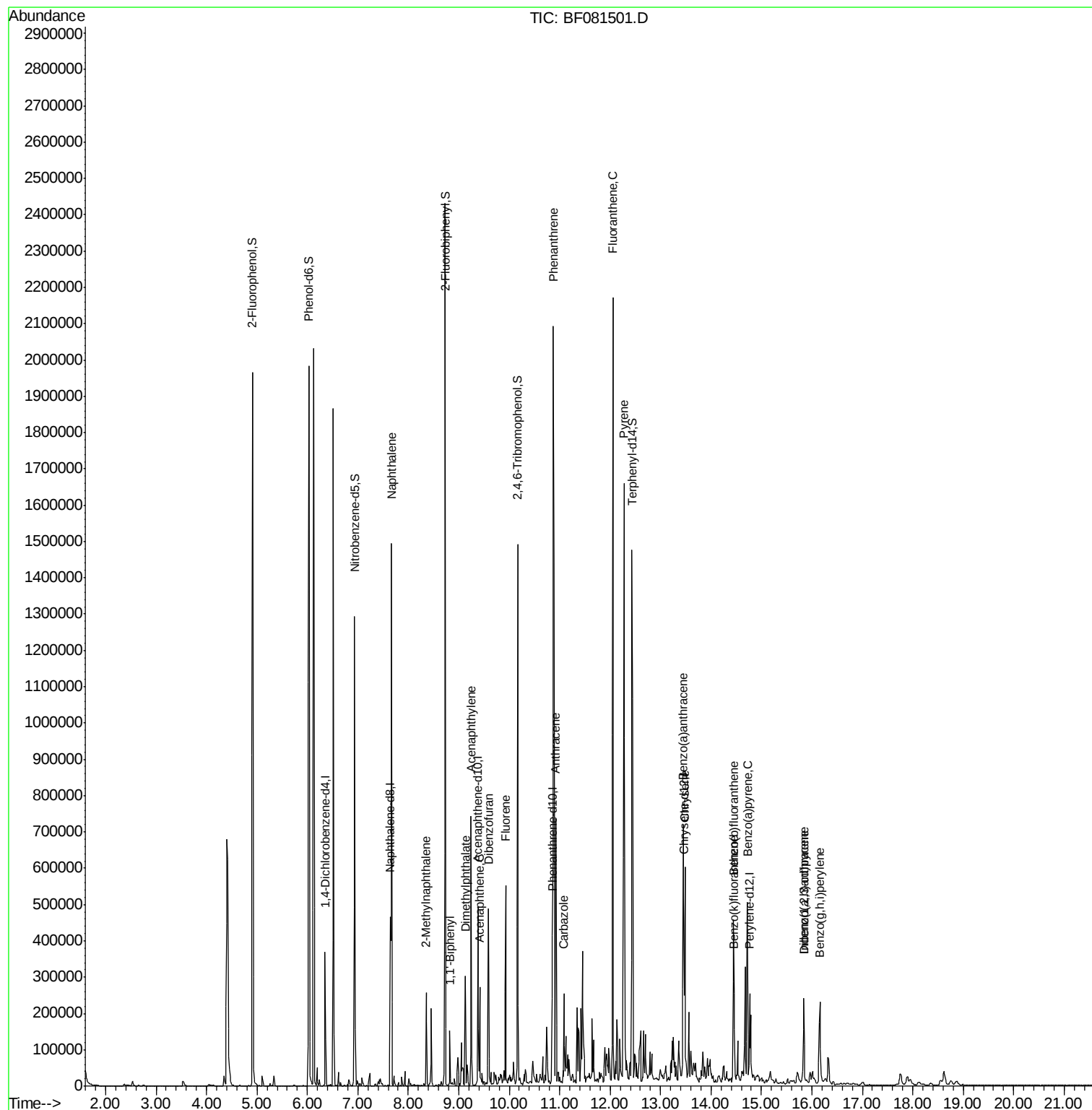
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081501.D
Acq On : 6 Sep 2015 10:42
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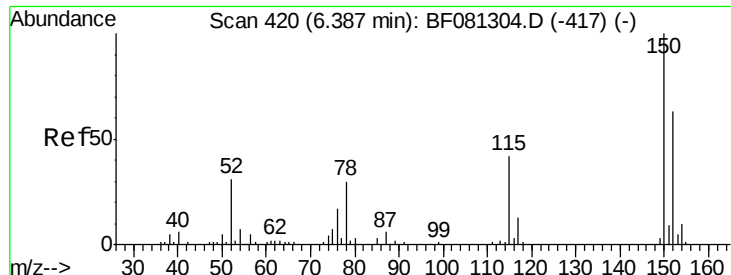
Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

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Quant Time: Sep 07 09:02:32 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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Response via : Initial Calibration





#1

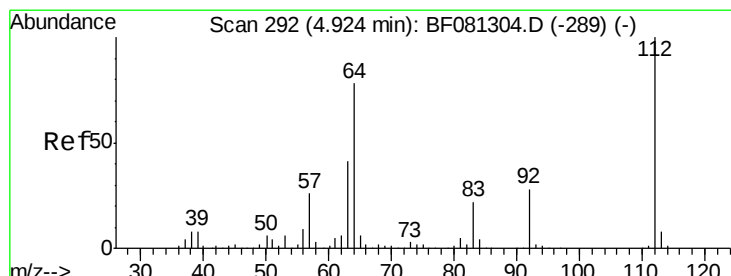
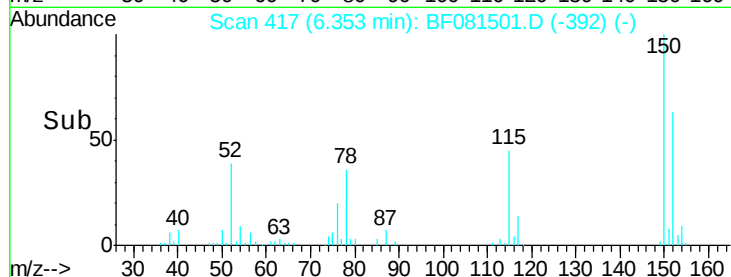
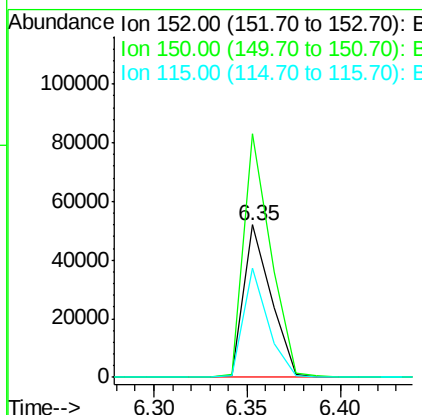
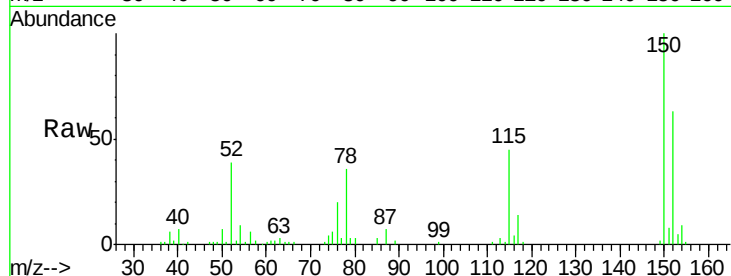
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

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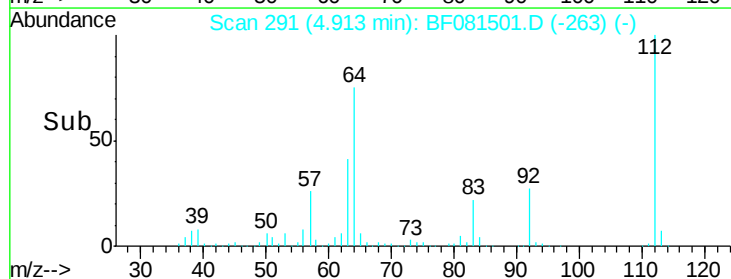
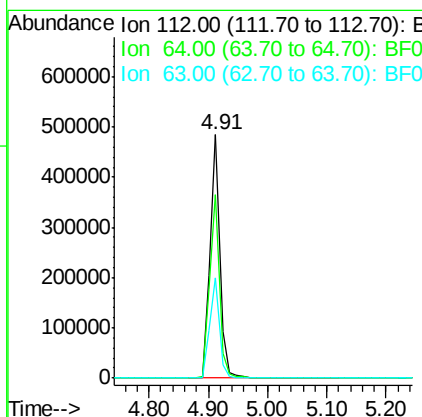
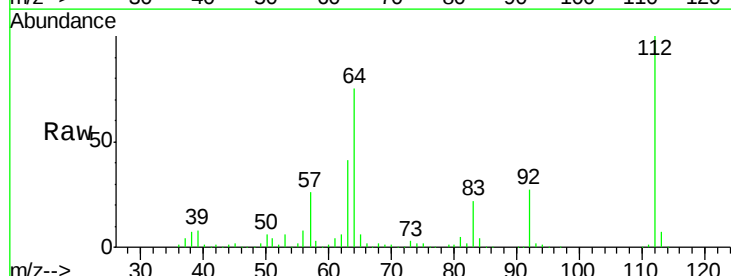
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.7	187.1
115	71.7	39.0	58.4#

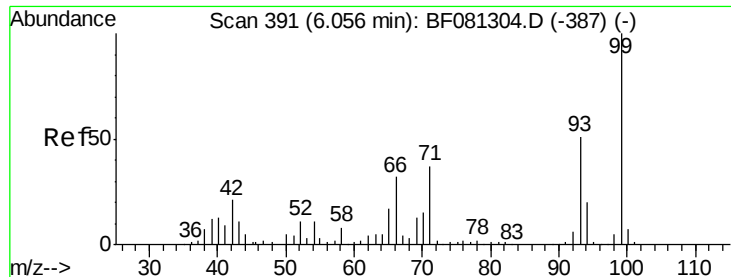


#5

2-Fluorophenol
Concen: 163.82 ng
RT: 4.91 min Scan# 291
Delta R.T. 0.02 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	39.7	59.5#
63	41.1	17.4	26.0#





#7

Phenol-d6

Concen: 165.25 ng

RT: 6.03 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081501.D

Acq: 6 Sep 2015 10:42

Instrument :

BNA_F

ClientSampleId :

MGP207BR-25-25.5RE

Tgt Ion: 99 Resp: 744488

Ion Ratio Lower Upper

99 100

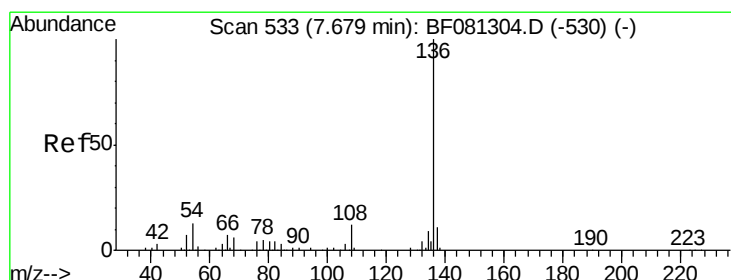
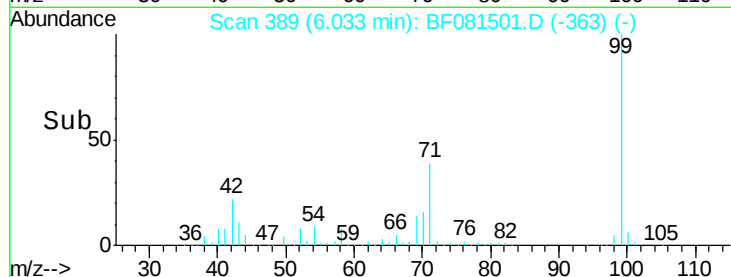
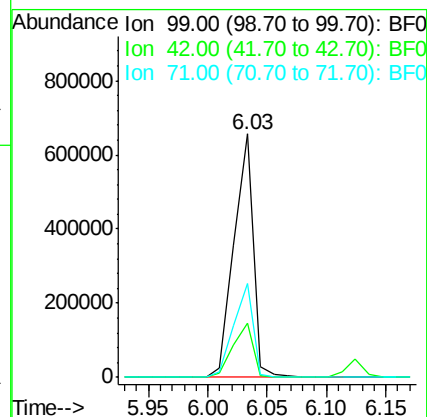
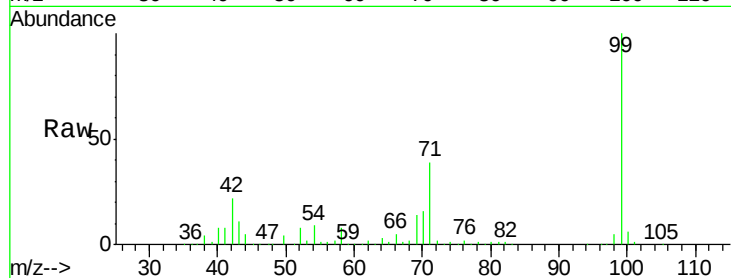
42 22.3 13.7 20.5#

71 38.5 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081501.D

Acq: 6 Sep 2015 10:42

Tgt Ion: 136 Resp: 200659

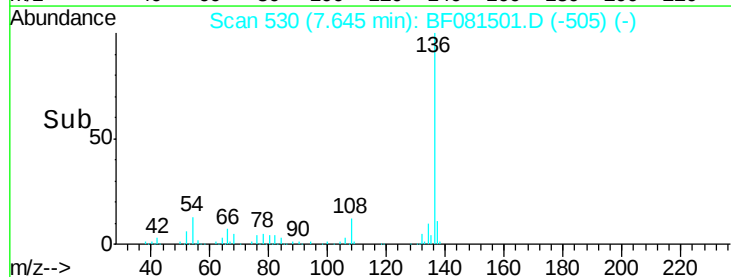
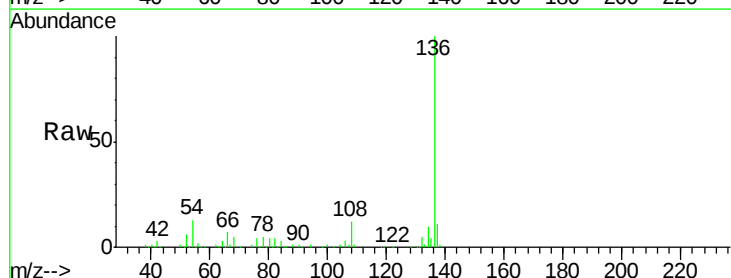
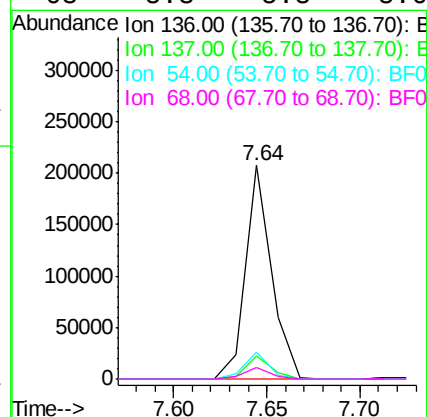
Ion Ratio Lower Upper

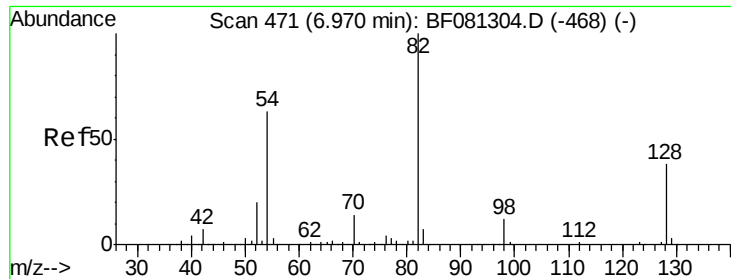
136 100

137 11.1 9.0 13.6

54 12.9 8.2 12.2#

68 5.3 5.8 8.6#





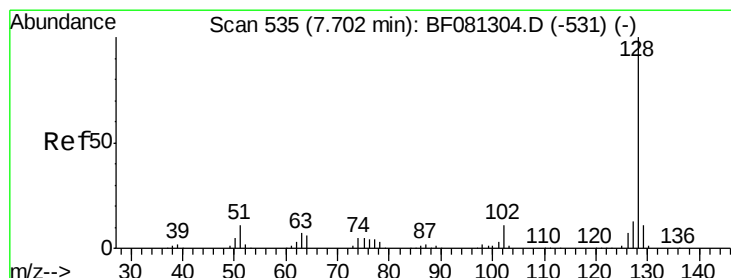
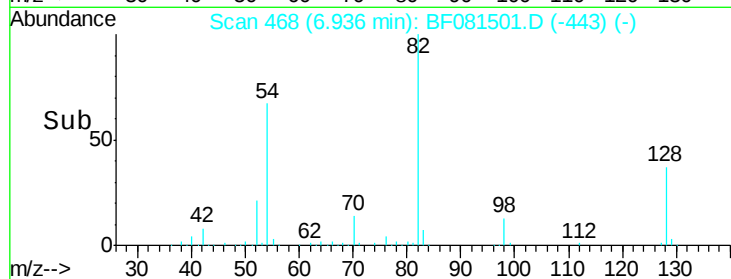
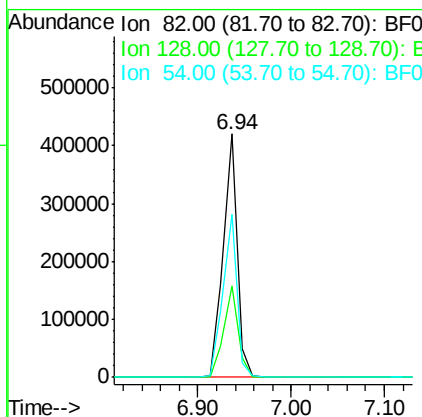
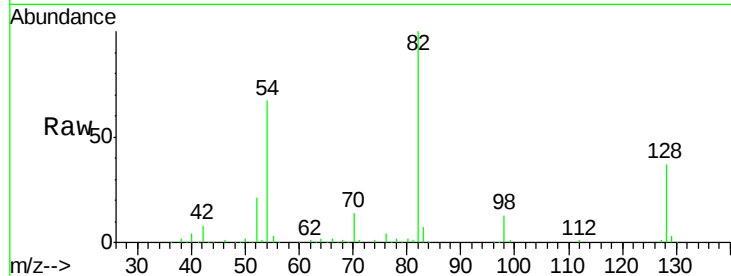
#23
 Nitrobenzene-d5
 Concen: 105.52 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.5	51.0	76.6#	
54	66.7	47.5	71.3	

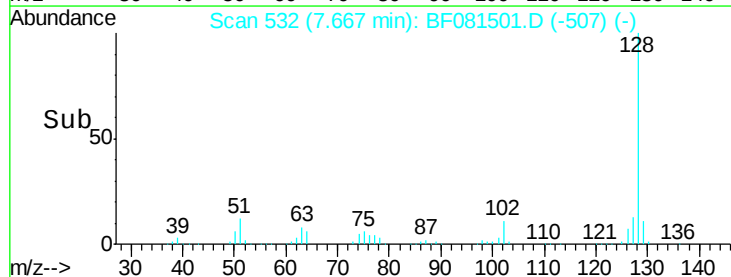
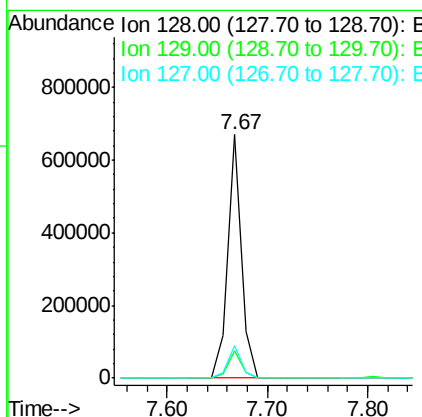
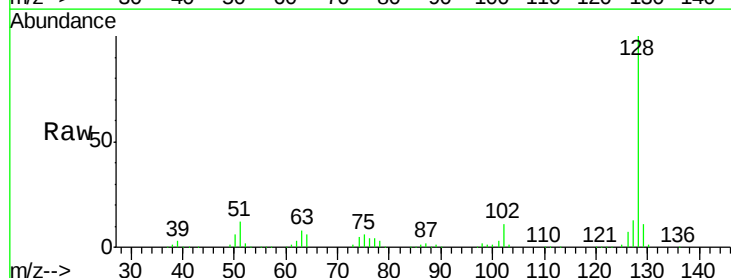
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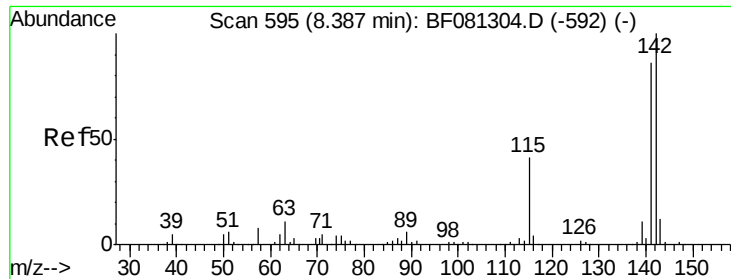
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#31
 Naphthalene
 Concen: 59.28 ng
 RT: 7.67 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

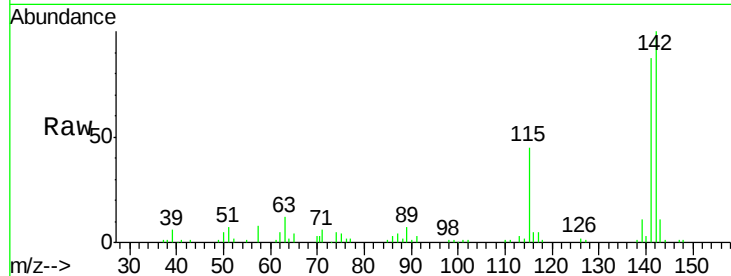
Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	8.4	12.6	
127	13.2	9.9	14.9	





#37
2-Methylnaphthalene
Concen: 12.47 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

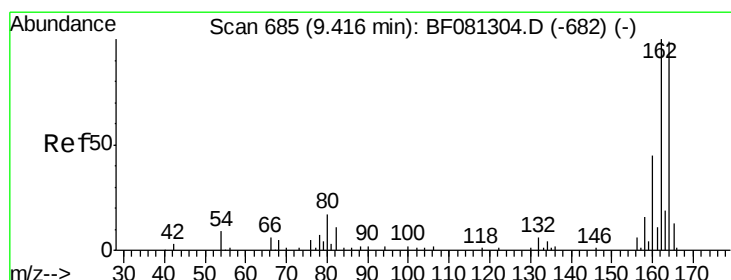
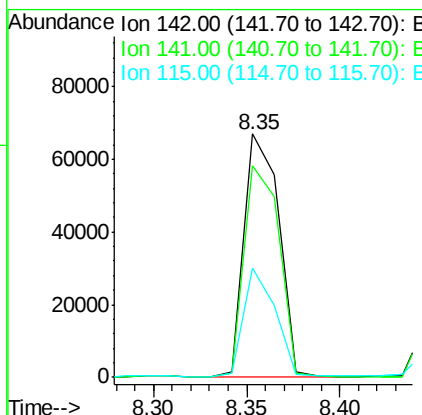
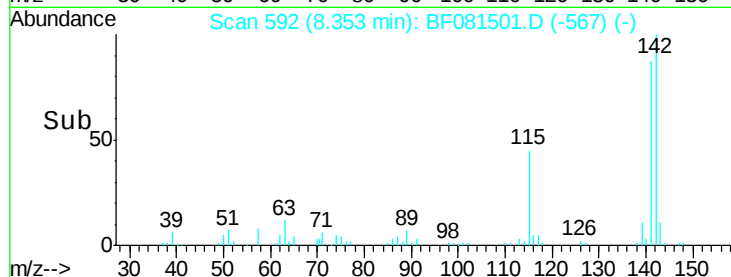
Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE



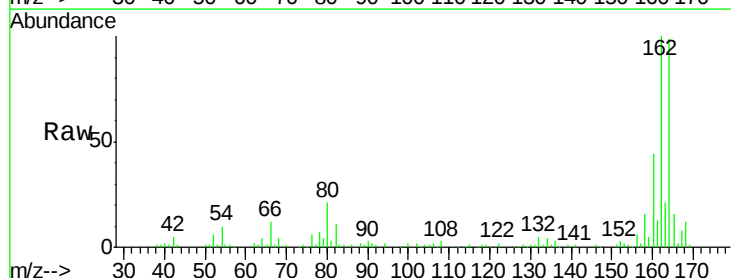
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.5	101.3
115	44.8	18.2	27.2

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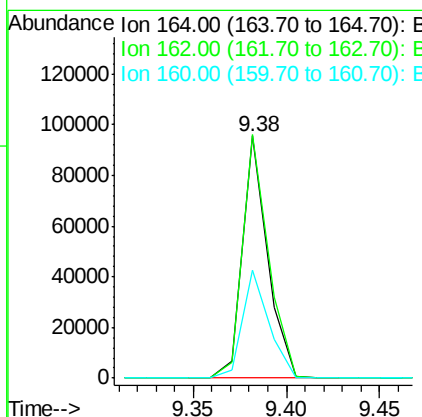
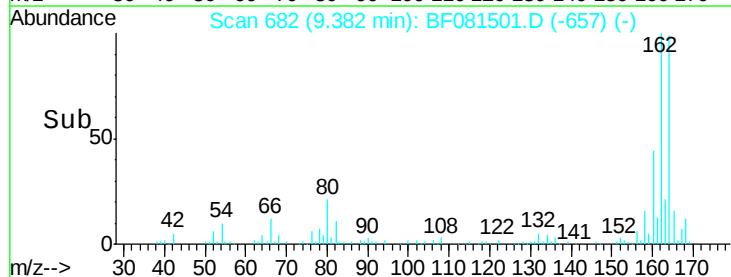
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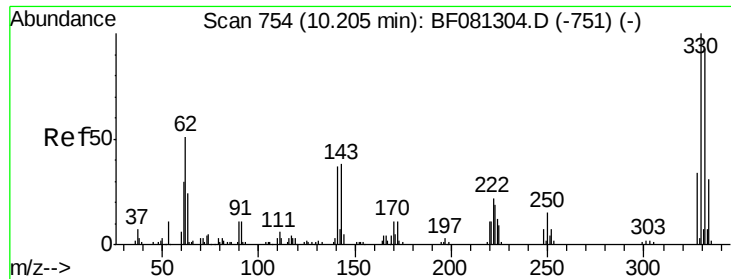


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42



Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	75.2	112.8
160	44.7	31.5	47.3





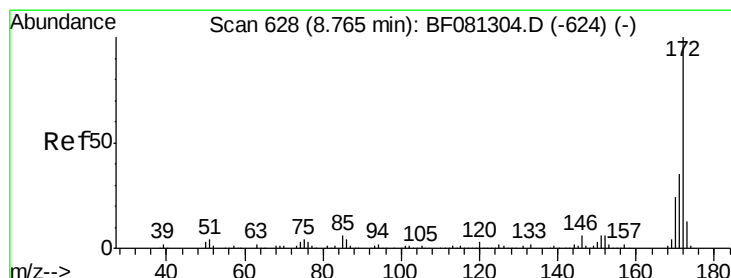
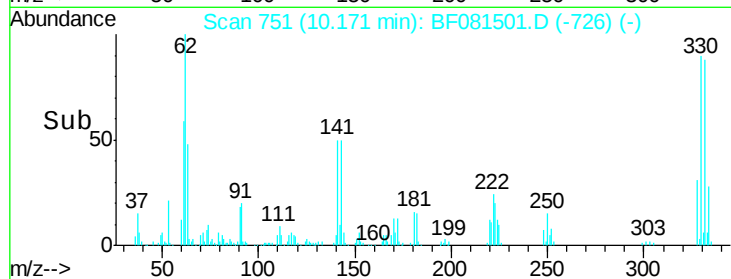
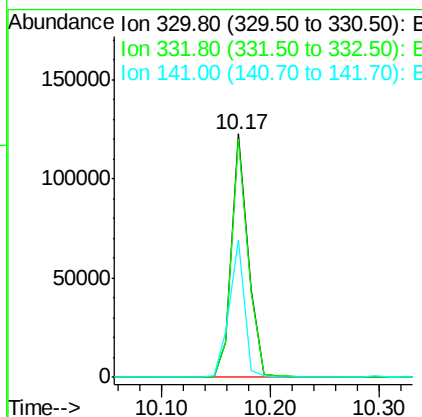
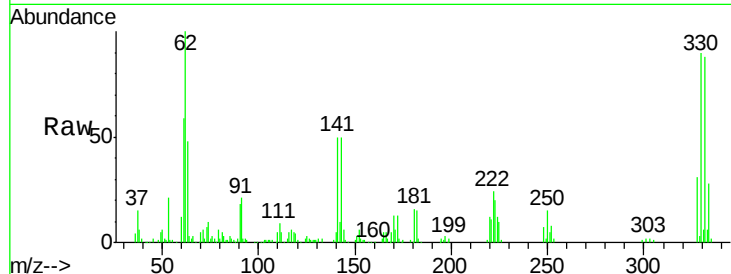
#41
 2,4,6-Tribromophenol
 Concen: 160.93 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
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 MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	128959		
332	97.9	76.6	114.8	
141	52.5	29.7	44.5#	

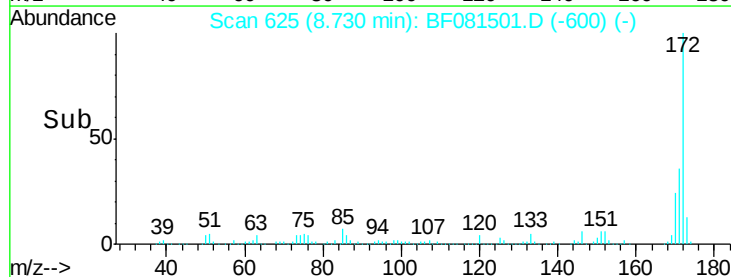
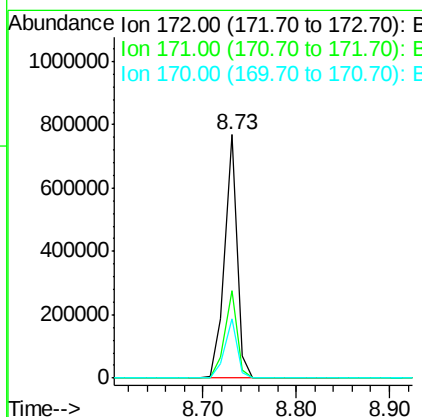
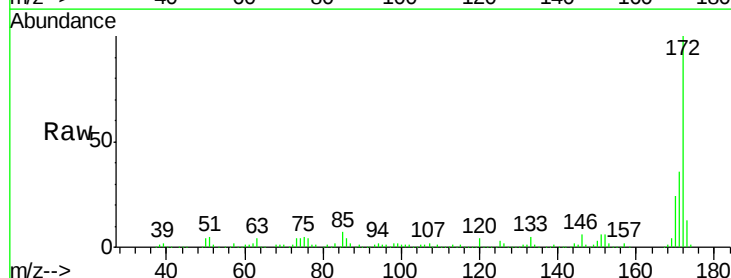
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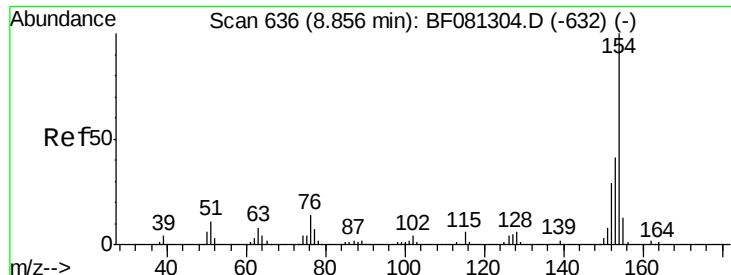
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#44
 2-Fluorobiphenyl
 Concen: 101.85 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	715247		
171	36.0	26.1	39.1	
170	24.2	17.4	26.2	





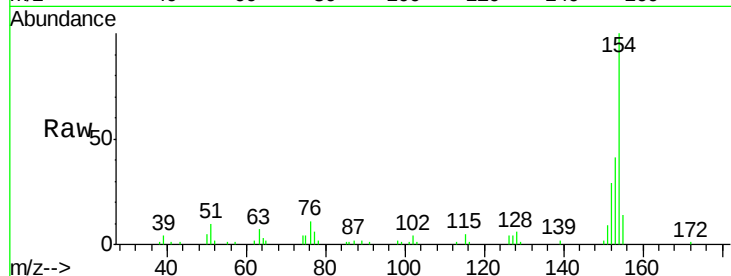
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 1,1'-Biphenyl
 Concen: 5.11 ng
 RT: 8.82 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

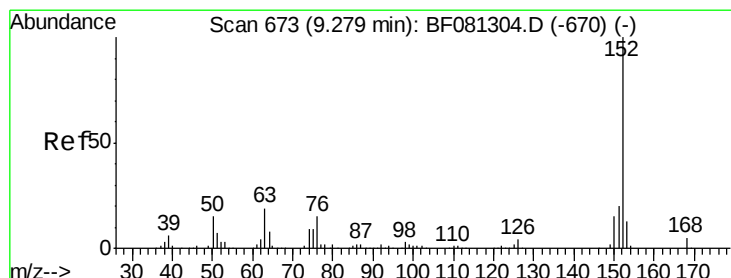
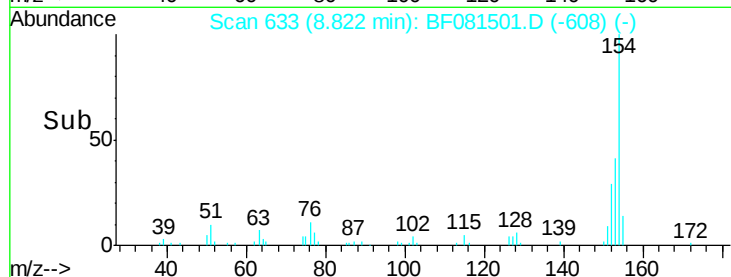
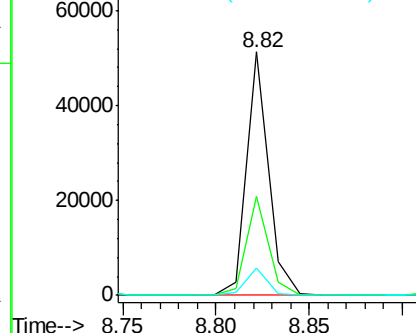
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	17.1	57.1
76	11.4	0.0	31.6

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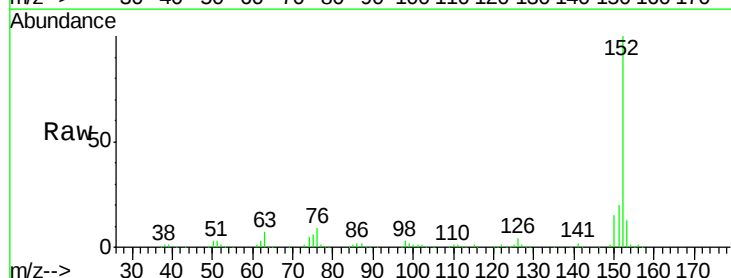


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

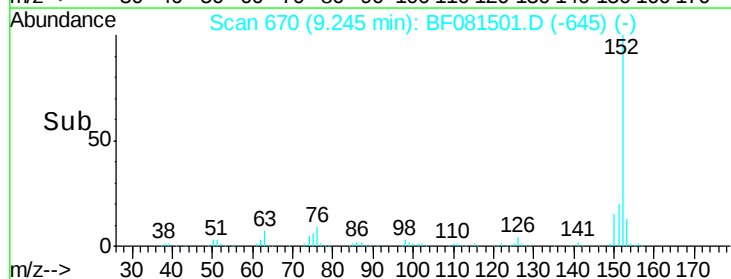
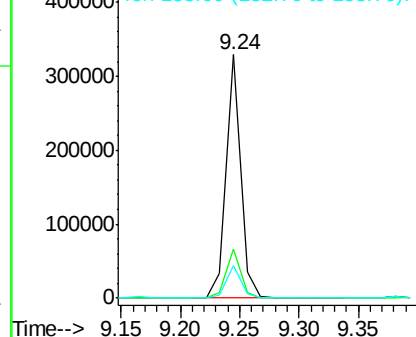


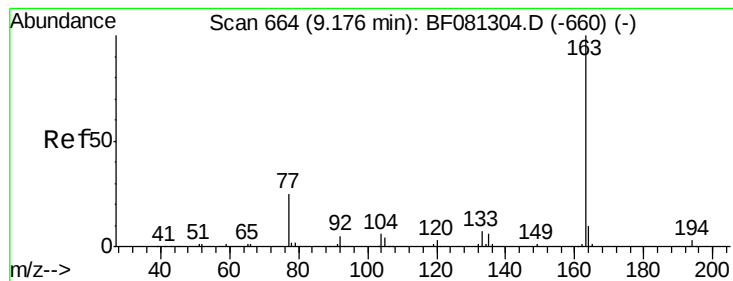
#48
 Acenaphthylene
 Concen: 26.03 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

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



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





#49

Dimethylphthalate

Concen: 14.39 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF081501.D

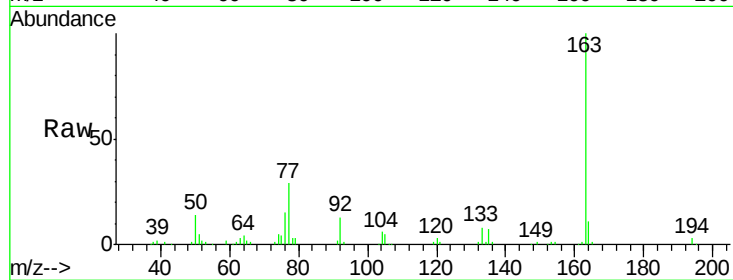
Acq: 6 Sep 2015 10:42

Instrument :

BNA_F

ClientSampleId :

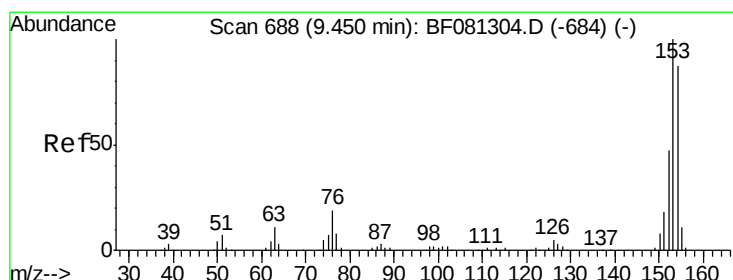
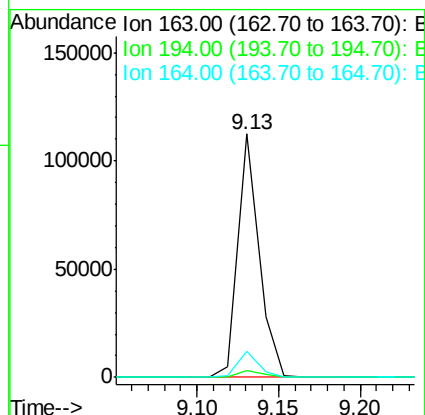
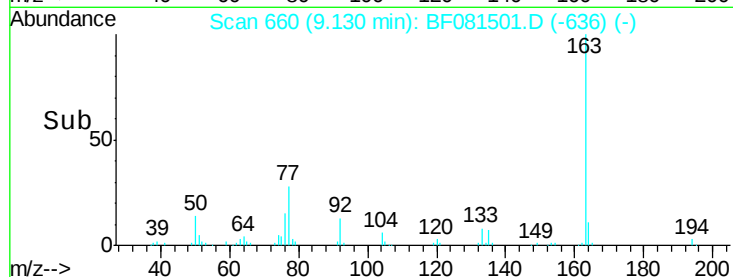
MGP207BR-25-25.5RE



Tgt Ion	Ratio	Resp	Lower	Upper
163	100	100611		
194	2.8	4.4	6.6#	
164	10.7	8.3	12.5	

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#51

Acenaphthene

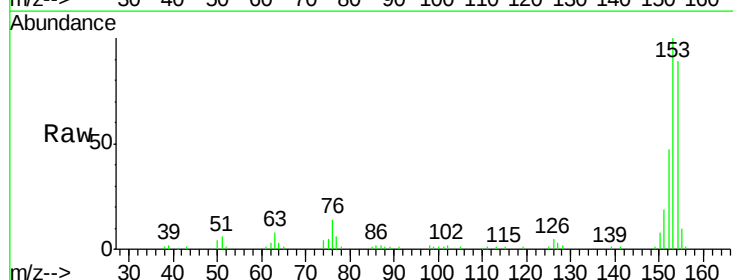
Concen: 9.01 ng

RT: 9.42 min Scan# 685

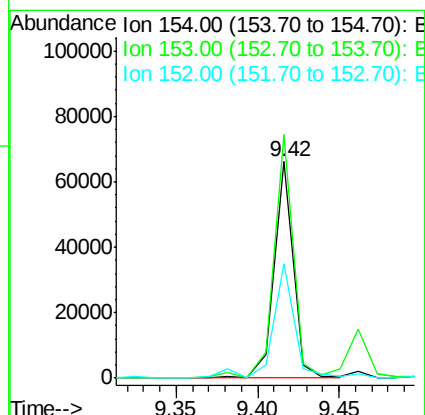
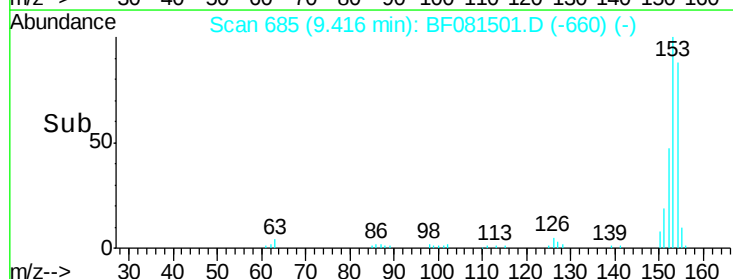
Delta R.T. -0.01 min

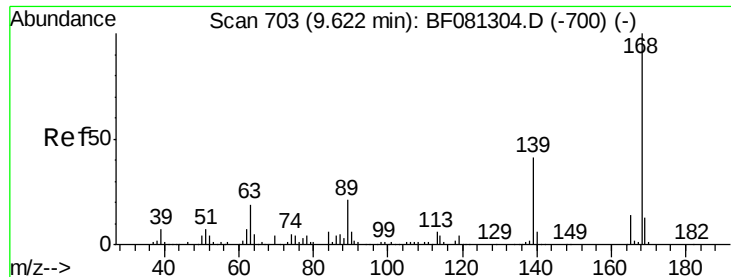
Lab File: BF081501.D

Acq: 6 Sep 2015 10:42



Tgt Ion	Ratio	Resp	Lower	Upper
154	100	54365		
153	112.4	82.1	123.1	
152	53.0	37.9	56.9	





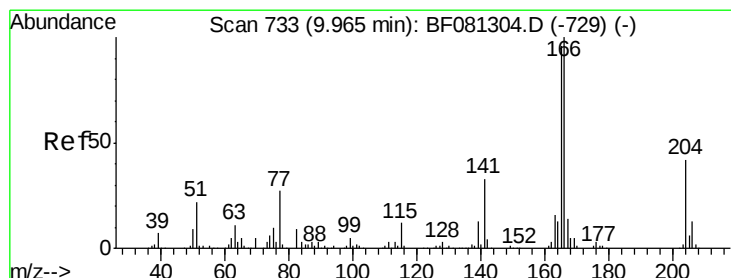
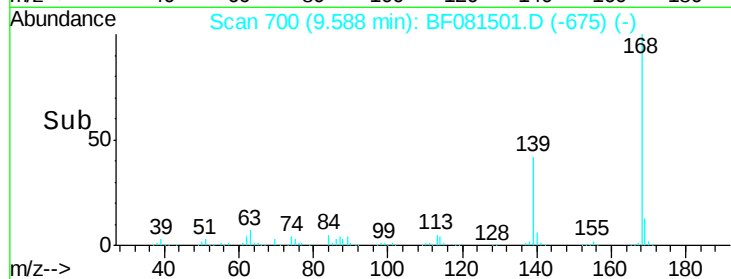
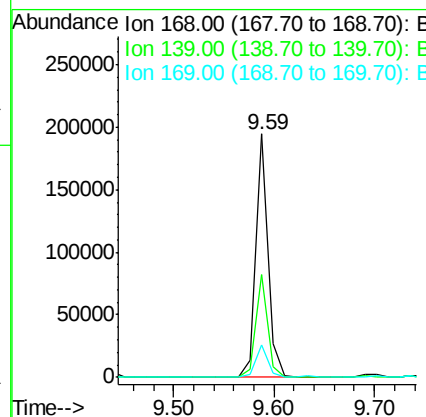
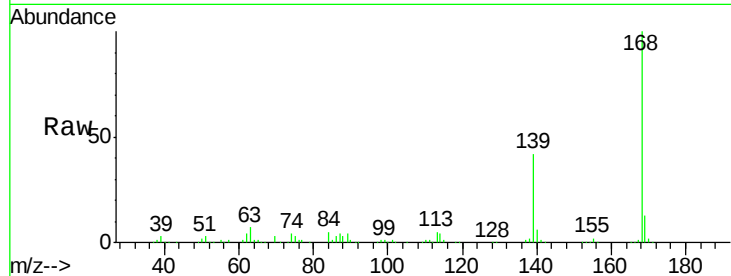
#54
Dibenzenofuran
Concen: 18.56 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	163559		
139	42.3	24.2	36.2#	
169	13.4	10.6	15.8	

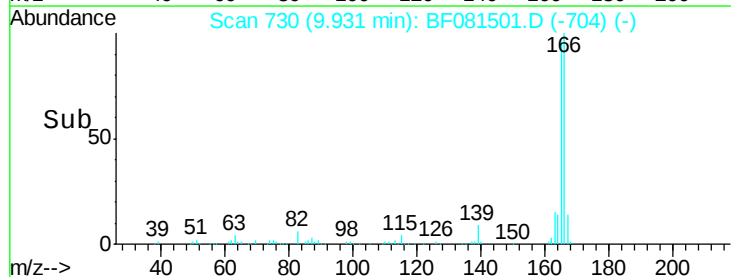
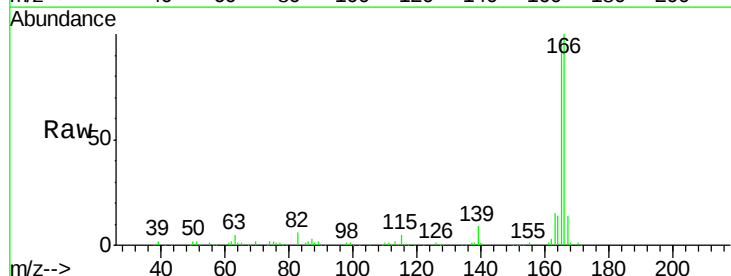
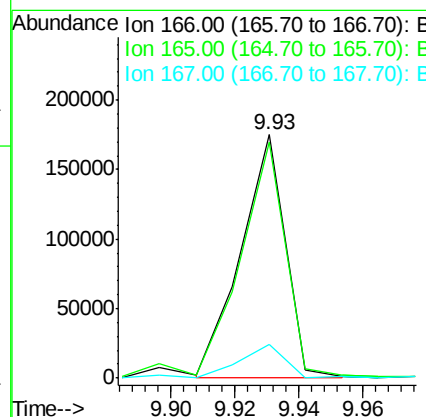
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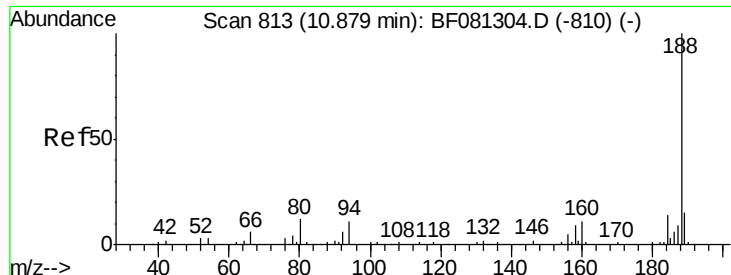
MMDadoda
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#57
Fluorene
Concen: 25.47 ng m
RT: 9.93 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	170339		
165	96.7	72.6	109.0	
167	14.0	10.6	16.0	





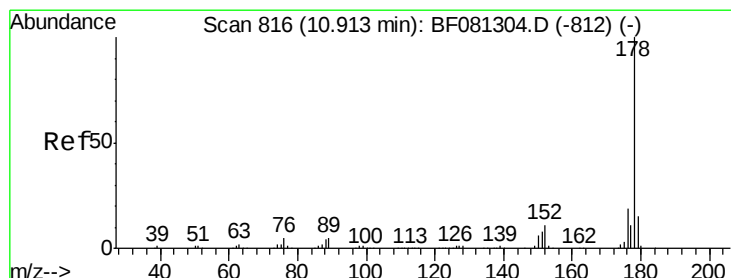
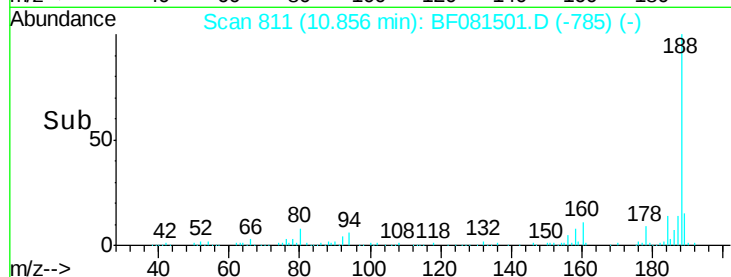
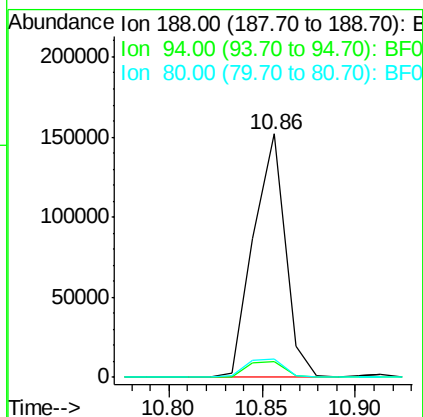
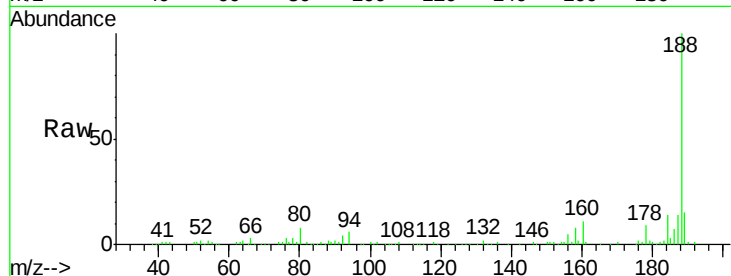
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.4	11.1	16.7#
80	7.5	11.0	16.4#

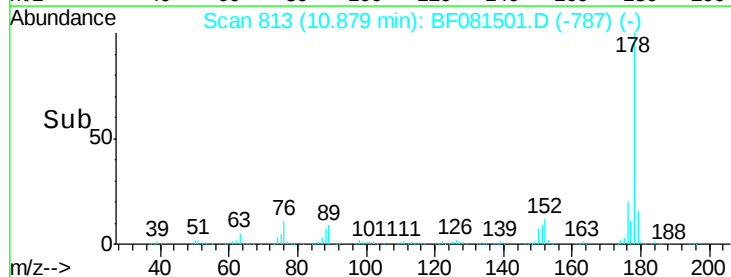
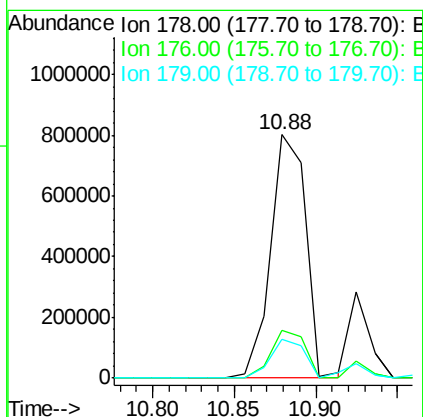
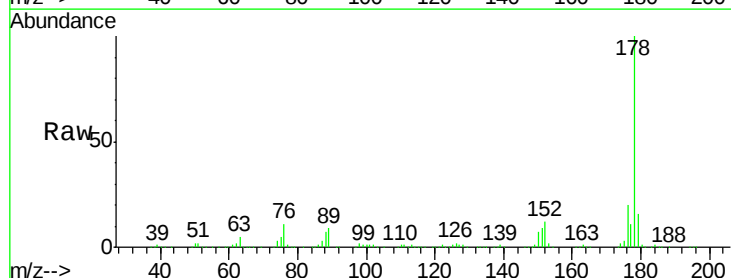
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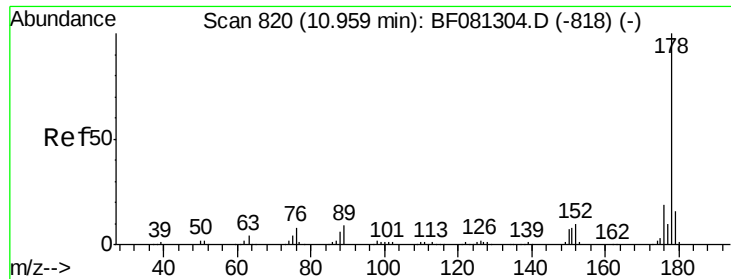
MMDadoda
9/8/2015 3:57:31 PM



#70
Phenanthrene
Concen: 120.95 ng
RT: 10.88 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	13.8	20.8
179	16.1	12.2	18.2





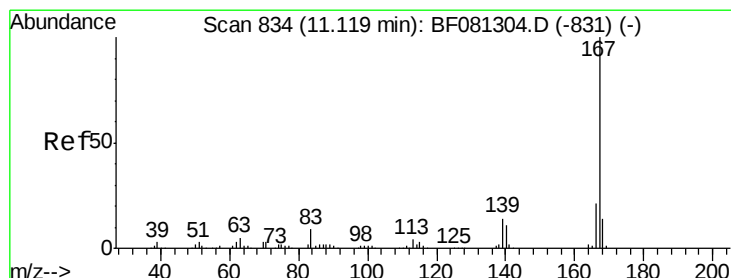
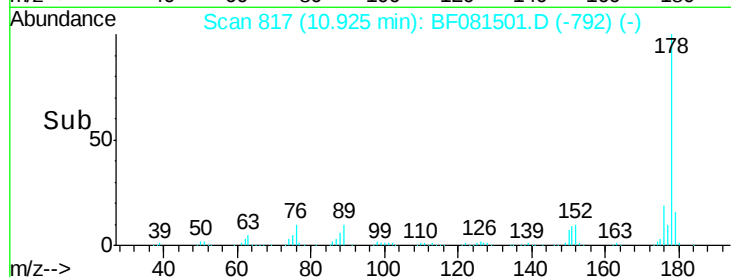
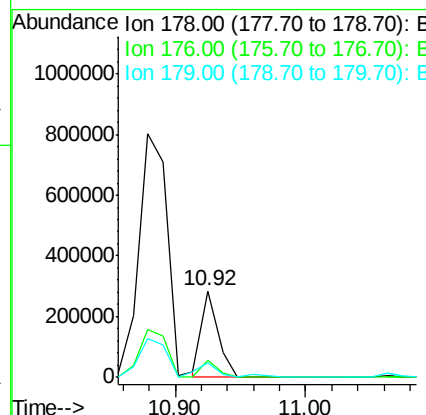
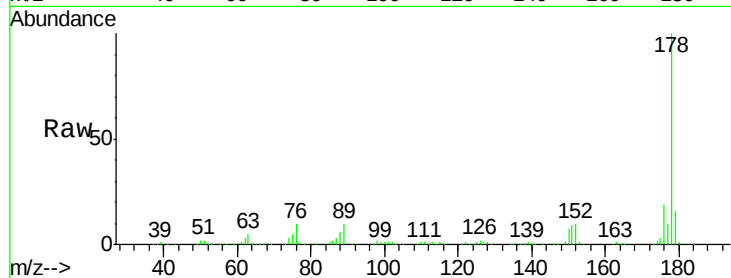
#71
 Anthracene
 Concen: 25.08 ng
 RT: 10.92 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	256297		
176	19.3		14.1	21.1
179	16.5		12.2	18.2

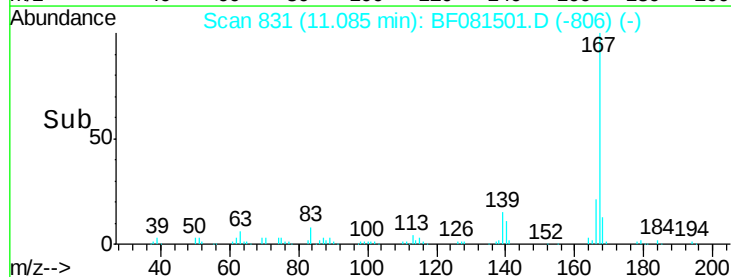
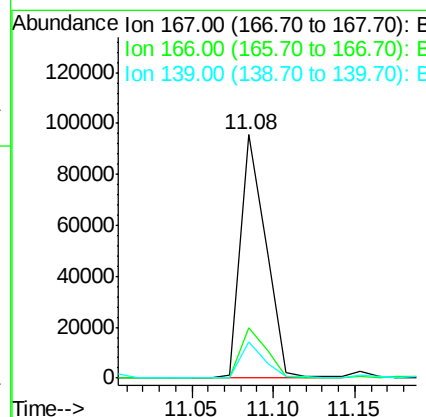
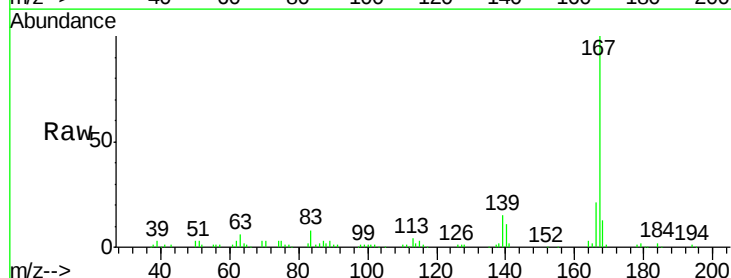
Manual Integrations
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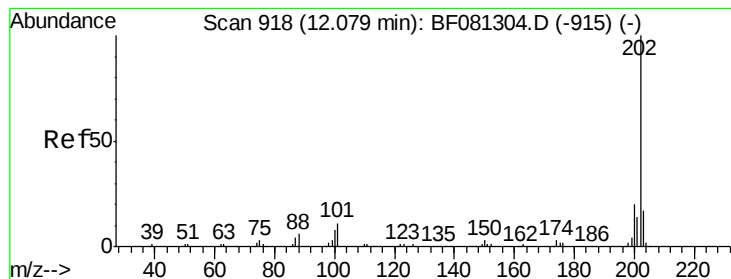
MMDadoda
 9/8/2015 3:57:31 PM



#72
 Carbazole
 Concen: 10.69 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	102488		
166	20.7		15.7	23.5
139	14.9		9.5	14.3#





#74

Fluoranthene

Concen: 88.93 ng

RT: 12.06 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF081501.D

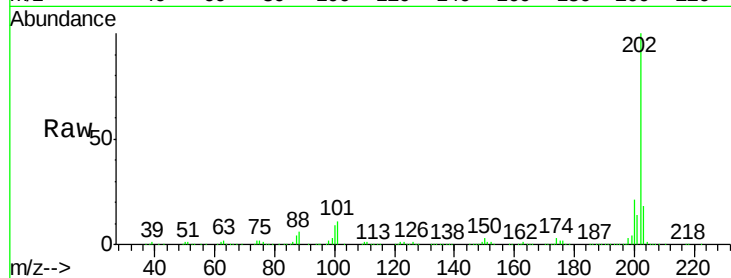
Acq: 6 Sep 2015 10:42

Instrument :

BNA_F

ClientSampleId :

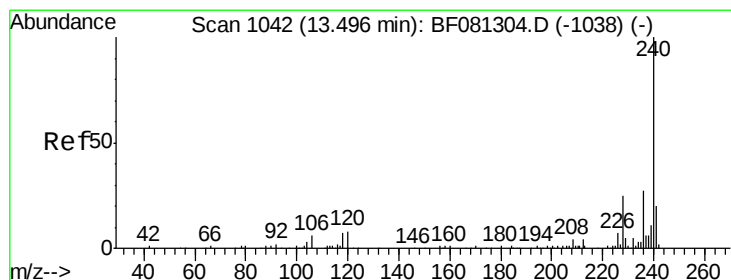
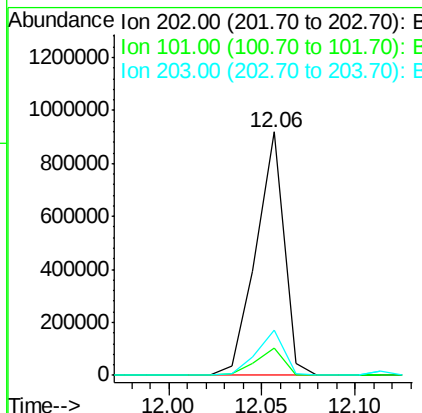
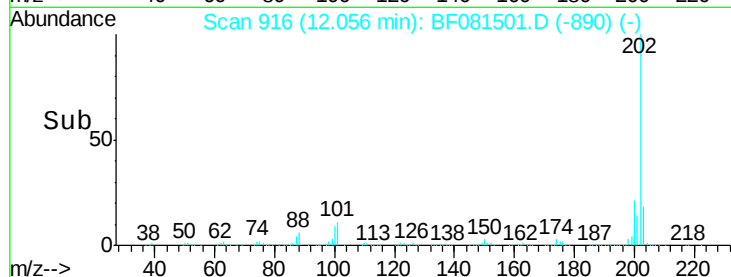
MGP207BR-25-25.5RE



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	957461		
101	11.1	0.0	38.3	
203	18.5	0.0	37.3	

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#75

Chrysene-d12

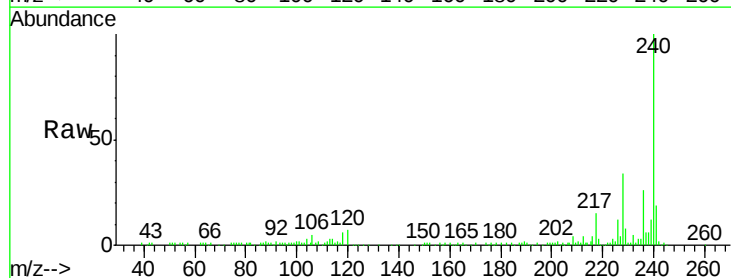
Concen: 20.00 ng

RT: 13.46 min Scan# 1039

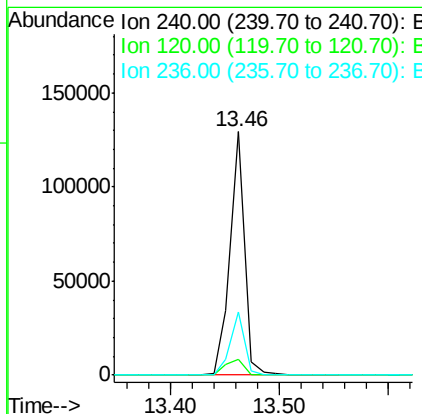
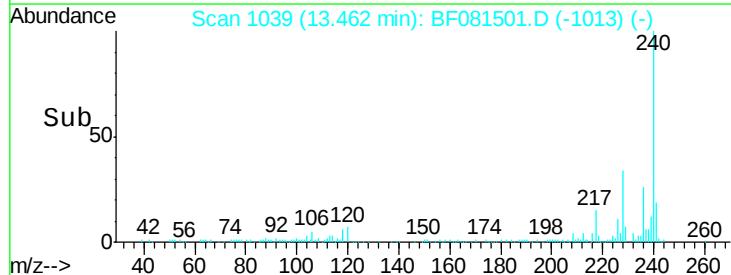
Delta R.T. -0.00 min

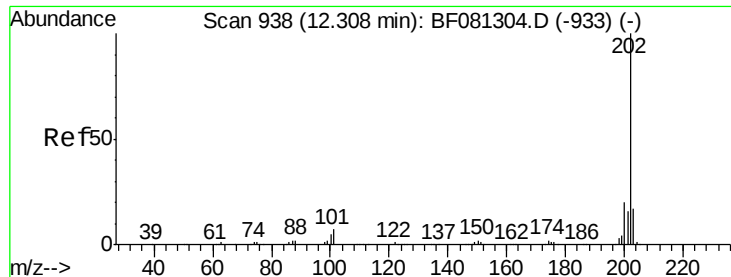
Lab File: BF081501.D

Acq: 6 Sep 2015 10:42



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	120080		
120	6.6	16.2	24.2#	
236	25.8	18.4	27.6	





#77

Pyrene

Concen: 104.59 ng m

RT: 12.27 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF081501.D

Acq: 6 Sep 2015 10:42

Instrument :

BNA_F

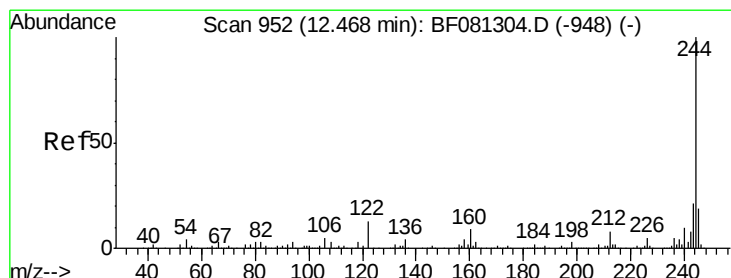
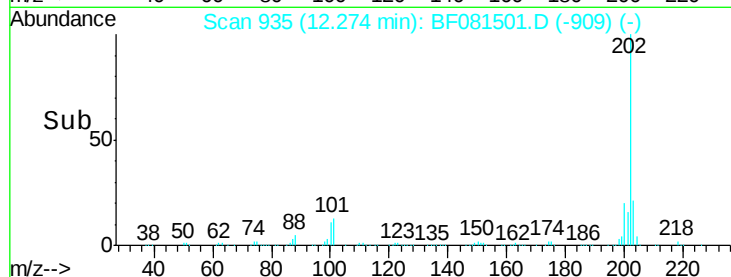
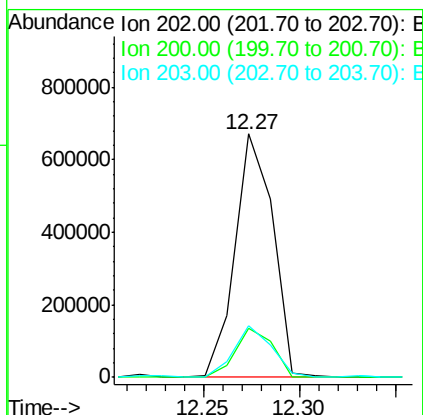
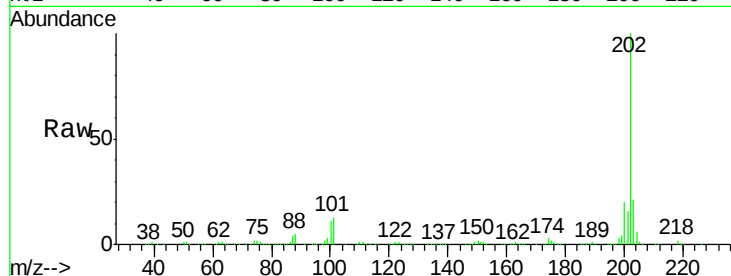
ClientSampleId :

MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	930296		
200	19.9	15.0	22.4	
203	21.3	14.1	21.1#	

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#78

Terphenyl-d14

Concen: 120.54 ng

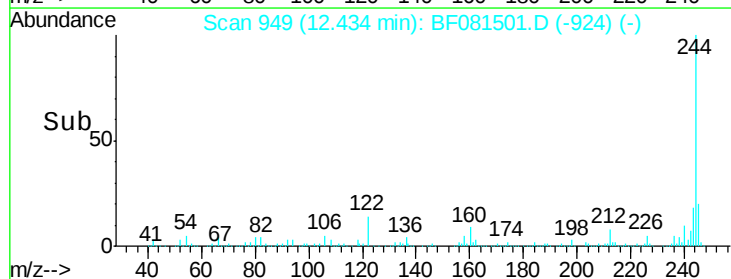
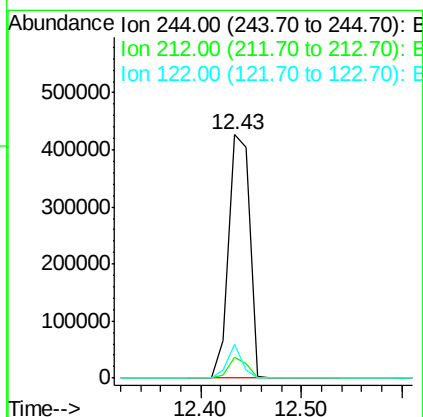
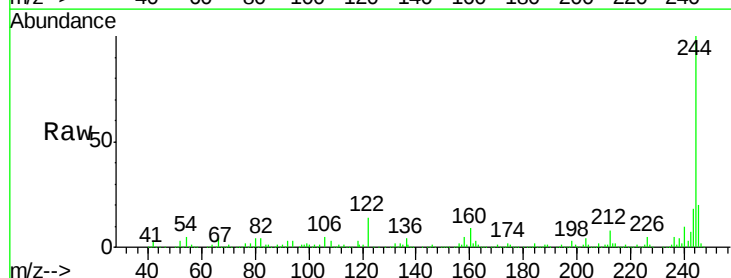
RT: 12.43 min Scan# 949

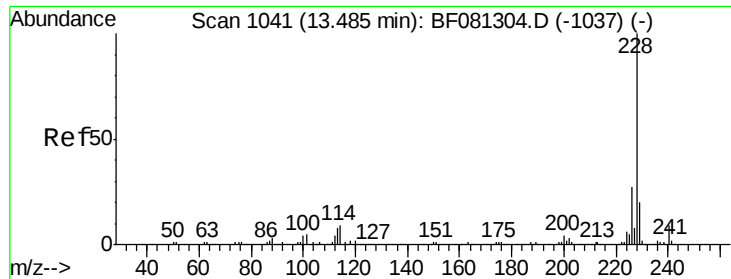
Delta R.T. -0.01 min

Lab File: BF081501.D

Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	621819		
212	8.4	4.3	6.5#	
122	13.9	17.4	26.2#	





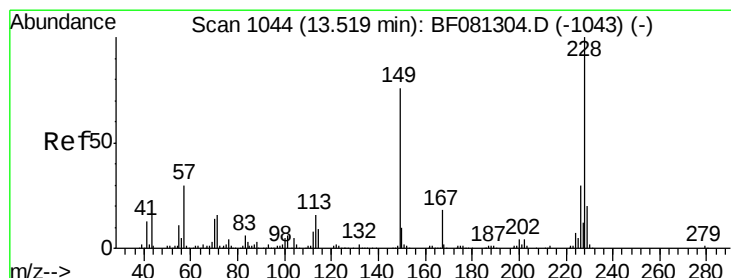
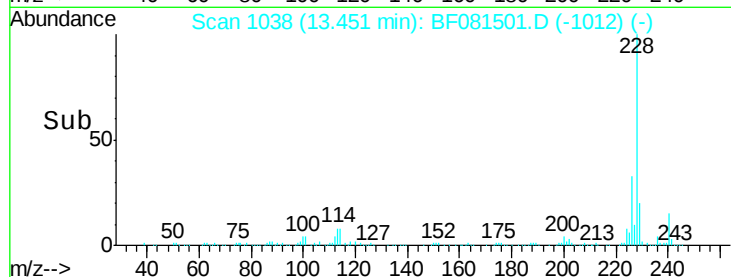
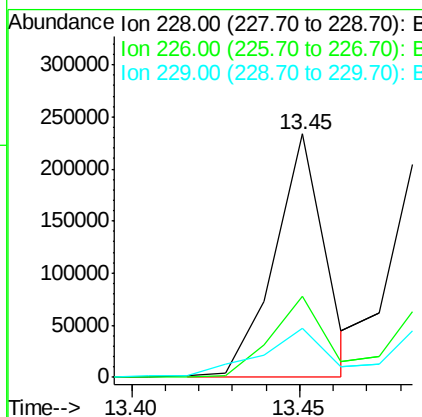
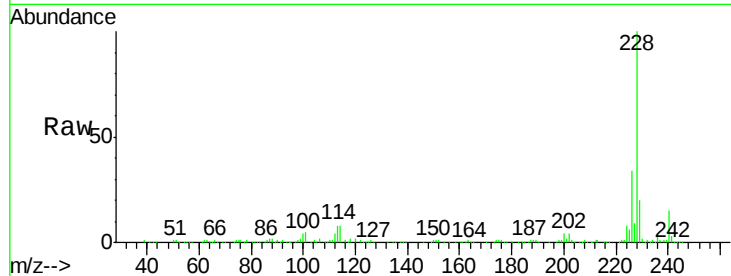
#80
Benzo(a)anthracene
Concen: 31.82 ng m
RT: 13.45 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	20.0	30.0#
229	20.2	15.4	23.2

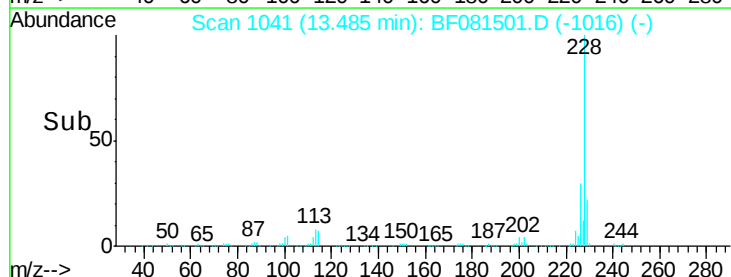
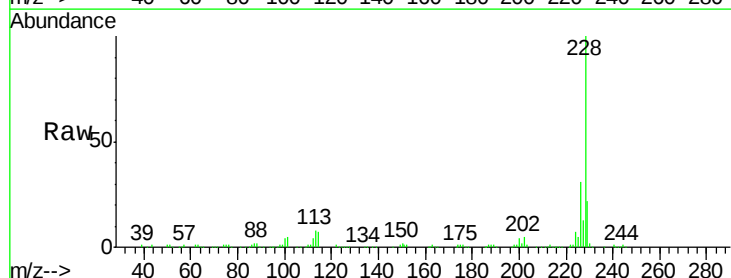
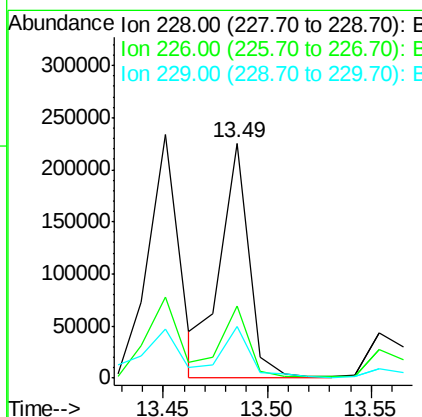
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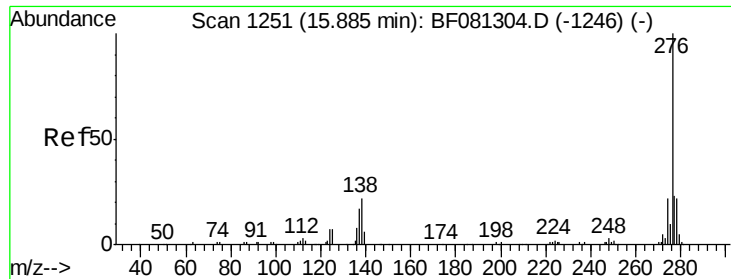
MMDadoda
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#82
Chrysene
Concen: 31.55 ng m
RT: 13.49 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.0	31.4
229	22.0	15.6	23.4





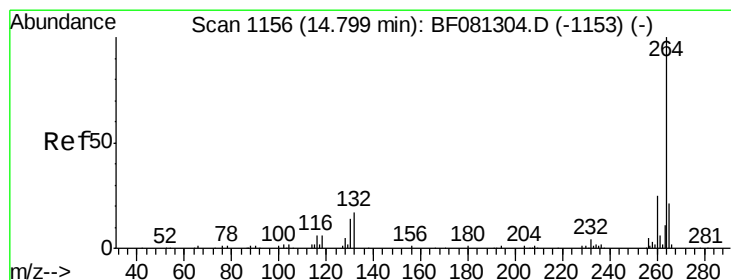
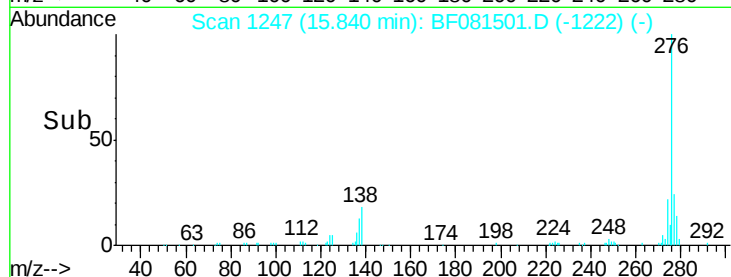
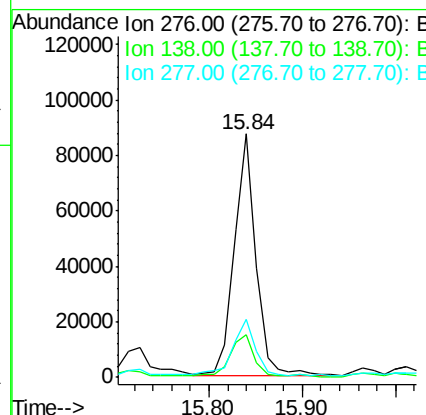
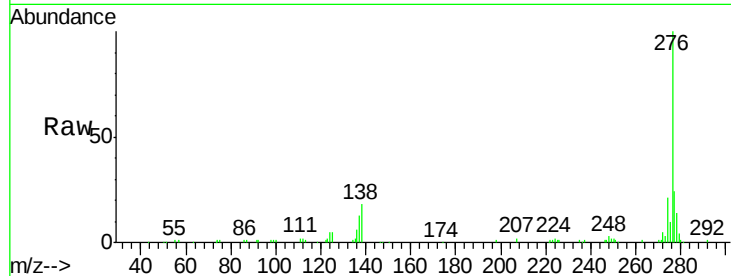
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.33 ng
 RT: 15.84 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	142505		
138	18.0	25.7	38.5#	
277	24.1	15.6	23.4#	

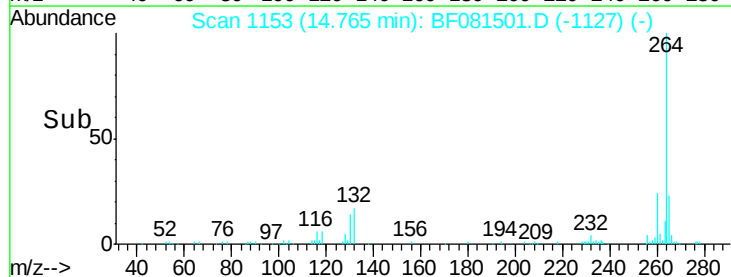
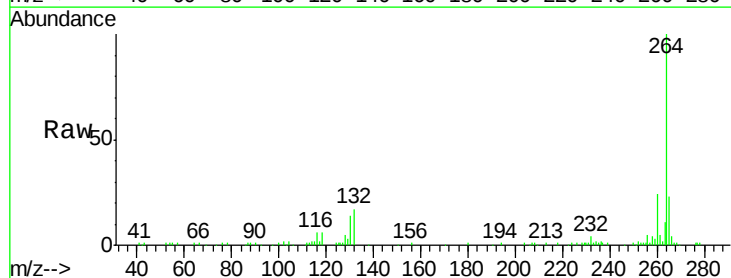
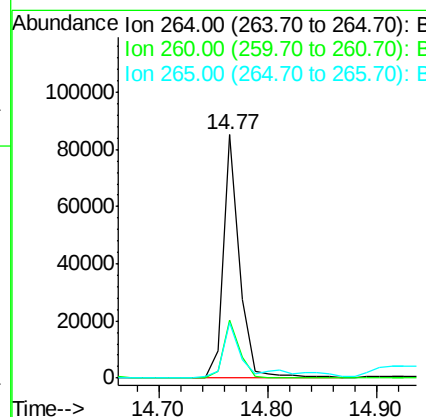
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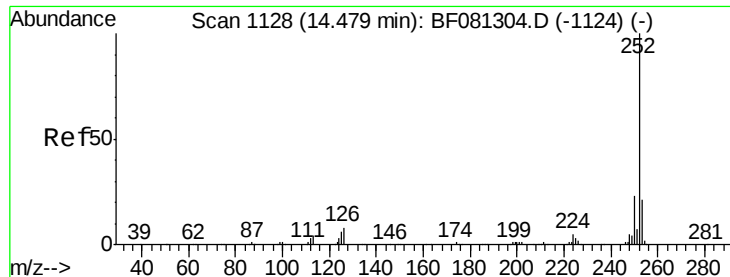
MMDadoda
 9/8/2015 3:57:31 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	88899		
260	23.7	16.7	25.1	
265	22.5	17.2	25.8	





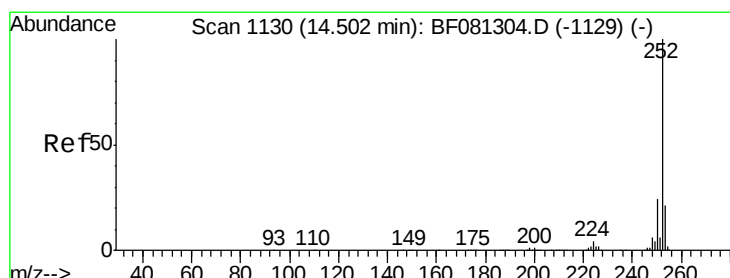
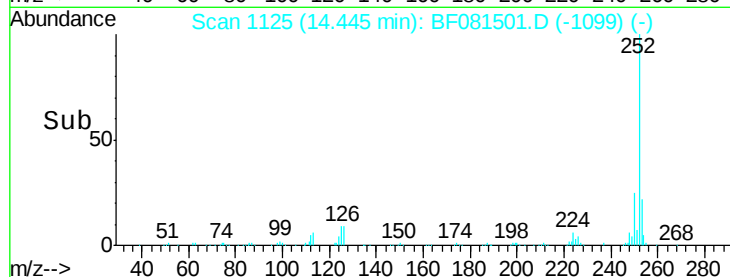
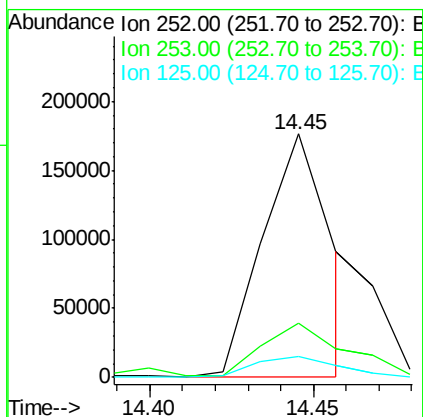
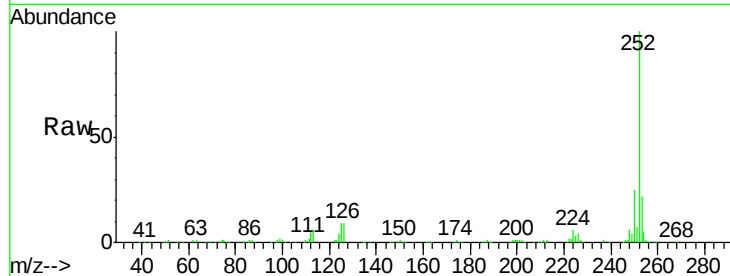
#87
Benzo(b)fluoranthene
Concen: 39.84 ng m
RT: 14.45 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5RE

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	252846		
253	22.1	17.5	26.3	
125	8.8	17.1	25.7#	

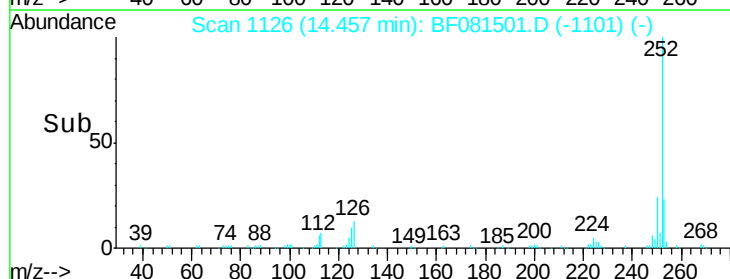
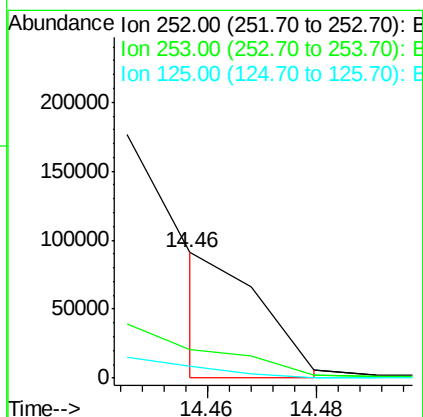
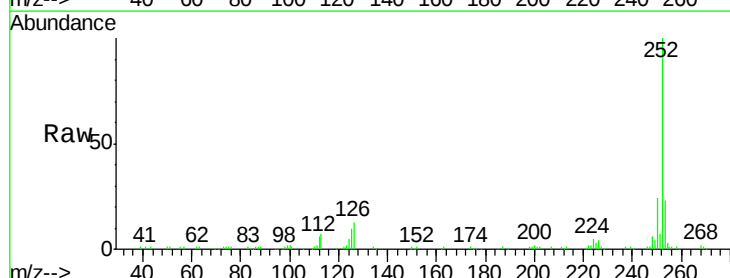
Manual Integrations
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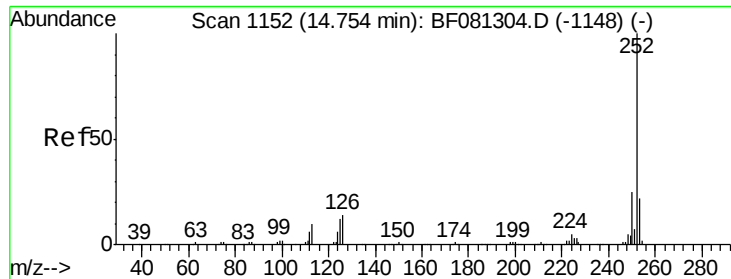
MMDadoda
9/8/2015 3:57:31 PM



#88
Benzo(k)fluoranthene
Concen: 9.37 ng m
RT: 14.46 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF081501.D
Acq: 6 Sep 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	49357		
253	23.1	17.0	25.4	
125	9.7	16.0	24.0#	





#89

Benzo(a)pyrene

Concen: 34.34 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF081501.D

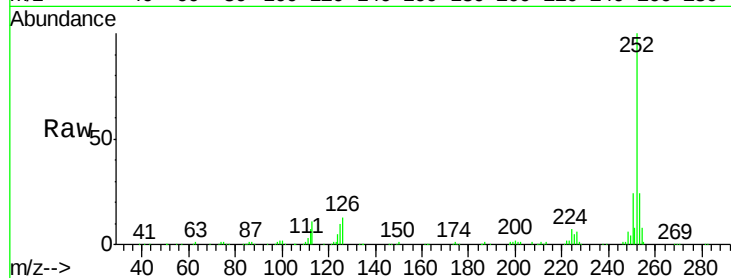
Acq: 6 Sep 2015 10:42

Instrument :

BNA_F

ClientSampleId :

MGP207BR-25-25.5RE



Tgt Ion: 252 Resp: 184679

Ion Ratio Lower Upper

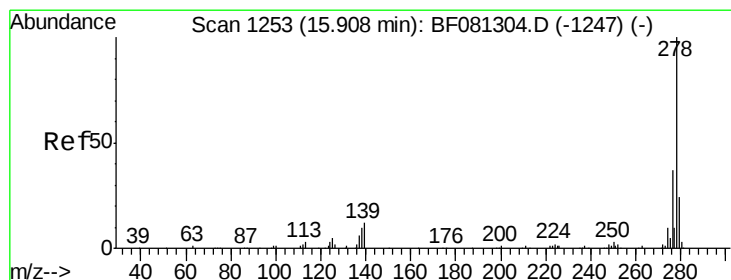
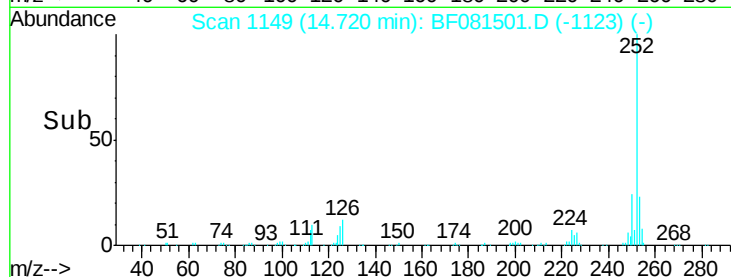
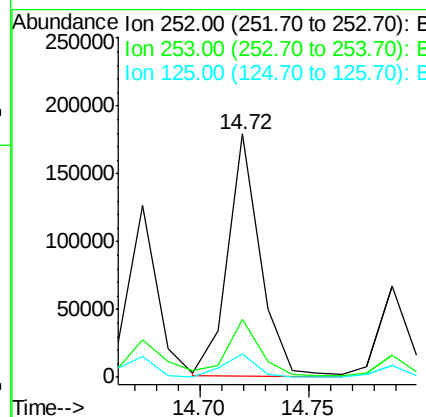
252 100

253 23.8 17.2 25.8

125 9.6 18.0 27.0#

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#90

Dibenzo(a,h)anthracene

Concen: 5.45 ng m

RT: 15.84 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF081501.D

Acq: 6 Sep 2015 10:42

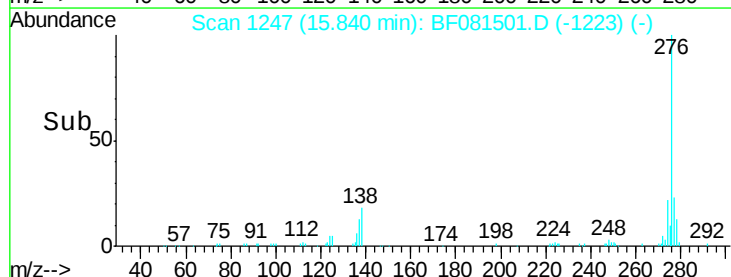
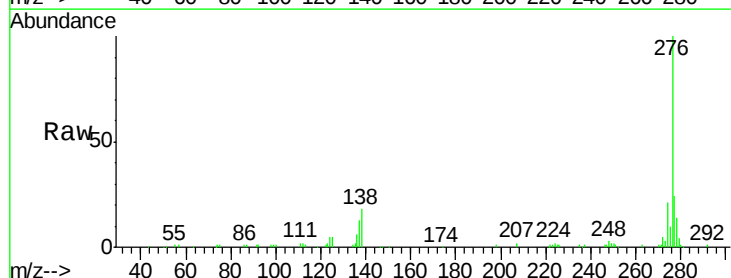
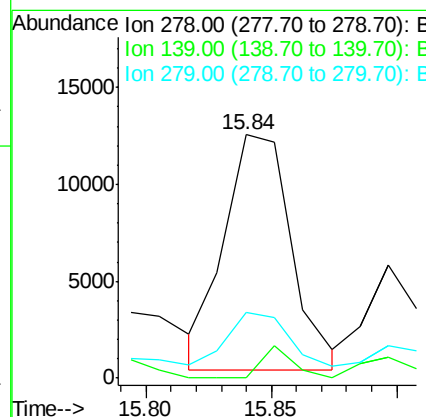
Tgt Ion: 278 Resp: 22644

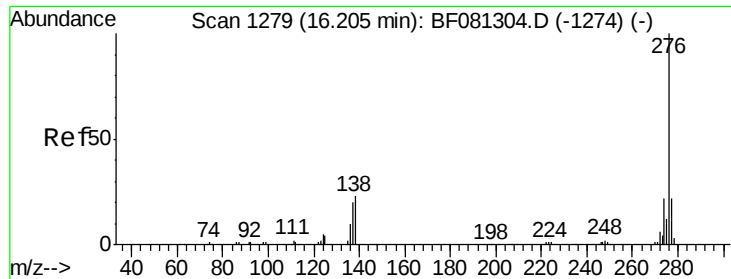
Ion Ratio Lower Upper

278 100

139 0.0 26.3 39.5#

279 27.0 18.2 27.4





#91
 Benzo(g,h,i)perylene
 Concen: 40.24 ng
 RT: 16.16 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BF081501.D
 Acq: 6 Sep 2015 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.8	26.6
138	18.3	34.6	51.8#

Manual Integrations
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