

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081918.D
 Acq On : 30 Sep 2015 23:22
 Operator : UM/IZ
 Sample : G3785-02DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-30-32DL

Manual Integrations
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 10/1/2015 2:23:46 PM

Quant Time: Oct 01 05:08:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	132335	20.00	ng	-0.03
21) Naphthalene-d8	8.19	136	514678	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	238766	20.00	ng	-0.03
63) Phenanthrene-d10	11.44	188	325266	20.00	ng	-0.02
75) Chrysene-d12	14.08	240	326489	20.00	ng	-0.03
86) Perylene-d12	15.54	264	393189	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	399293	54.77	ng	-0.02
7) Phenol-d6	6.53	99	483001	52.65	ng	-0.03
23) Nitrobenzene-d5	7.47	82	293889	38.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	91229	37.73	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	481310	29.47	ng	-0.03
78) Terphenyl-d14	13.03	244	314375	25.02	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	176856	7.75	ng	# 82
37) 2-Methylnaphthalene	8.90	142	78073	5.02	ng	# 33
48) Acenaphthylene	9.81	152	352846	15.24	ng	94
49) Dimethylphthalate	9.67	163	151782	9.21	ng	# 89
70) Phenanthrene	11.46	178	199936	11.53	ng	# 93
71) Anthracene	11.51	178	128642m	7.78	ng	
74) Fluoranthene	12.66	202	718796	41.25	ng	86
77) Pyrene	12.89	202	1170616	60.02	ng	94
80) Benzo(a)anthracene	14.07	228	759513	43.20	ng	# 87
82) Chrysene	14.12	228	629172m	38.03	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	243783	17.73	ng	# 86
87) Benzo(b)fluoranthene	15.12	252	505544m	22.52	ng	
88) Benzo(k)fluoranthene	15.13	252	234019m	11.37	ng	
89) Benzo(a)pyrene	15.49	252	608844	31.27	ng	# 84
90) Dibenzo(a,h)anthracene	17.00	278	65931	4.04	ng	# 78
91) Benzo(g,h,i)perylene	17.42	276	268391	16.03	ng	# 79

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

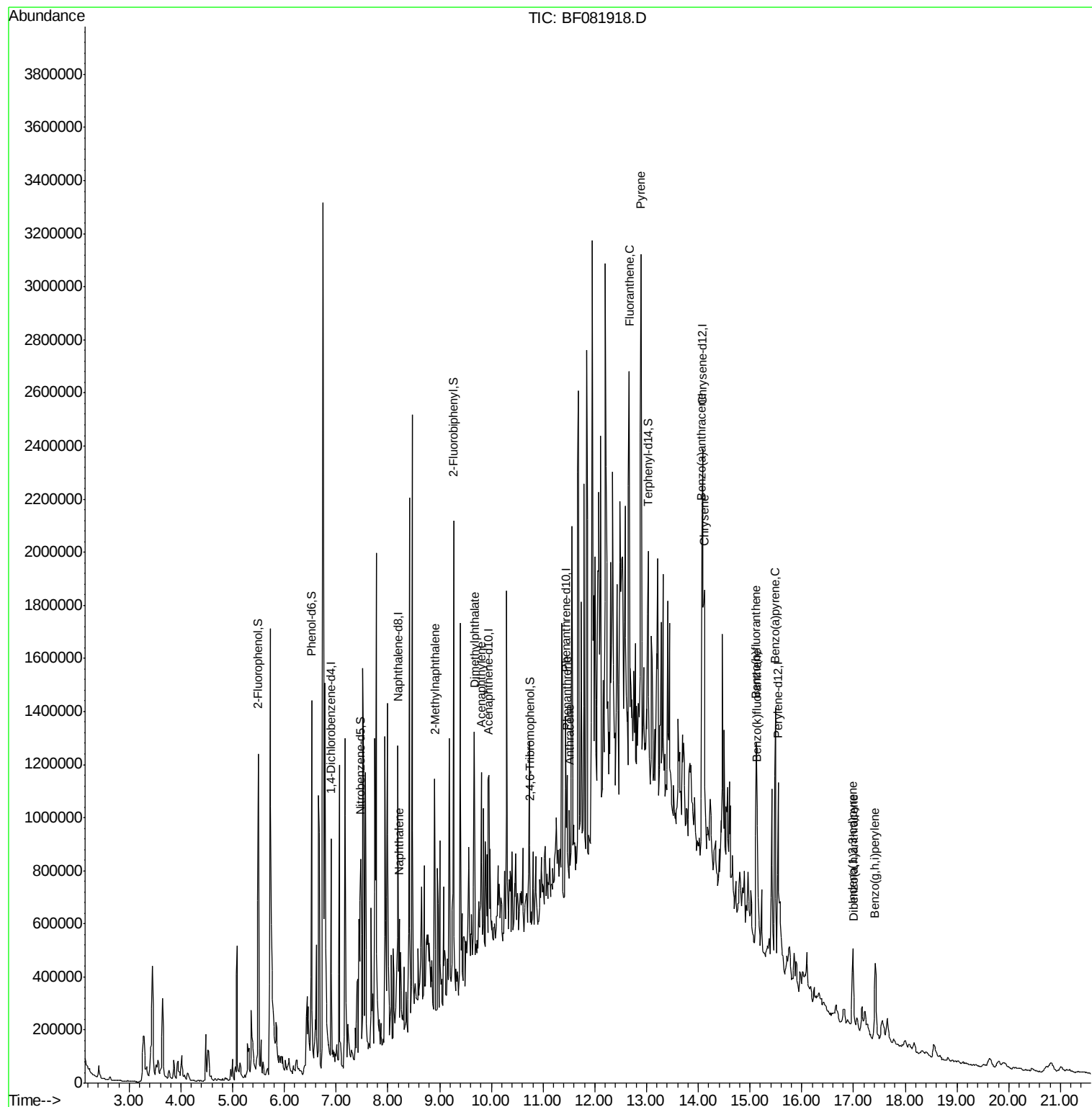
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
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ALS Vial : 9 Sample Multiplier: 1

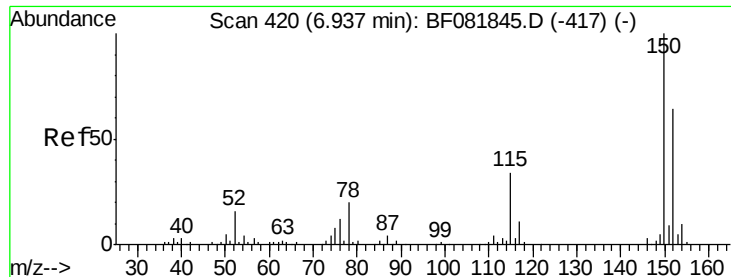
Instrument :
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Quant Time: Oct 01 05:08:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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#1

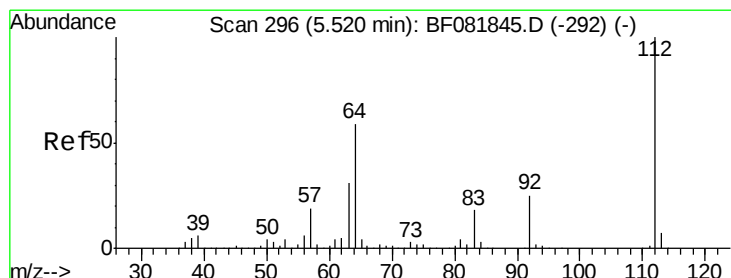
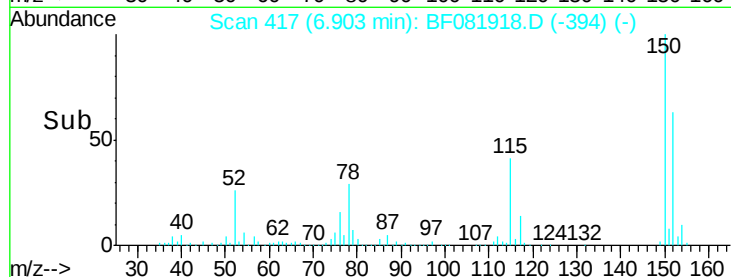
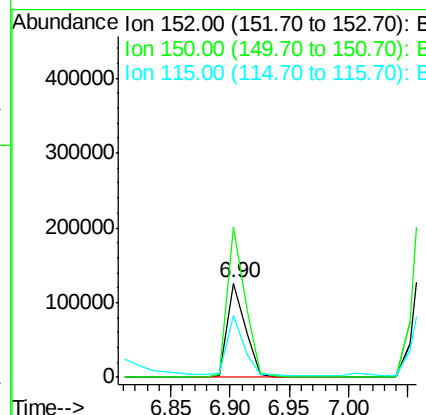
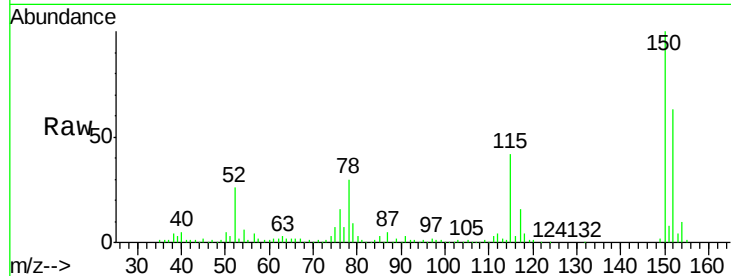
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	132335		
150	159.2	124.7	187.1	
115	66.3	39.0	58.4	

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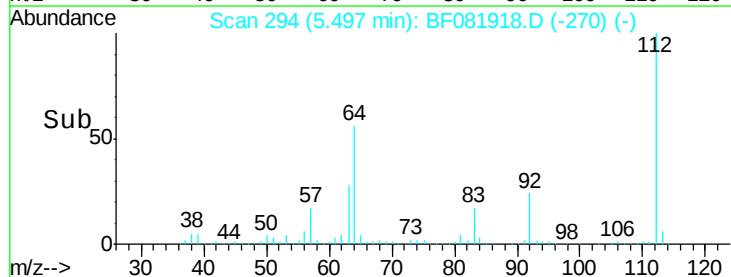
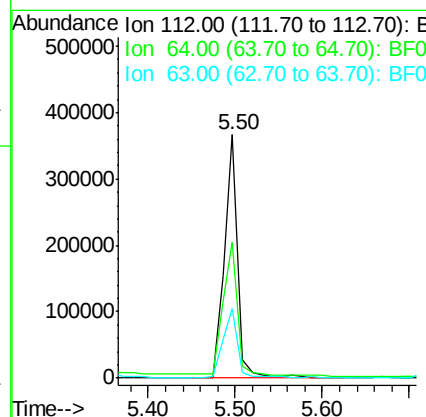
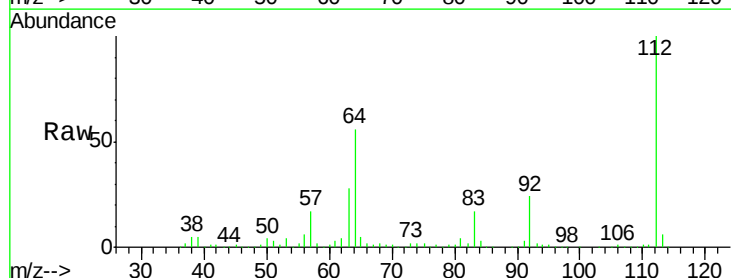
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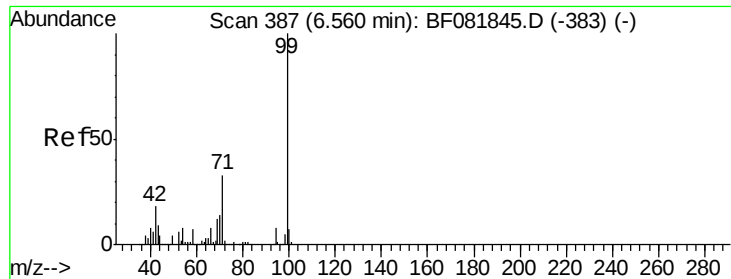


#5

2-Fluorophenol
Concen: 54.77 ng
RT: 5.50 min Scan# 294
Delta R.T. -0.02 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	399293		
64	55.8	39.7	59.5	
63	28.4	17.4	26.0	





#7

Phenol-d6

Concen: 52.65 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081918.D

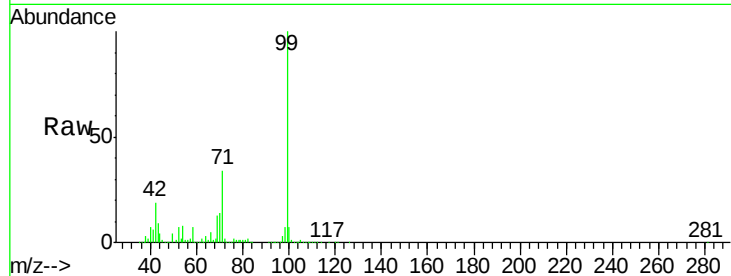
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Instrument :

BNA_F

ClientSampleId :

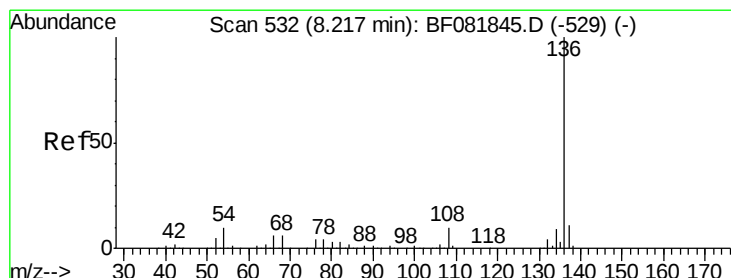
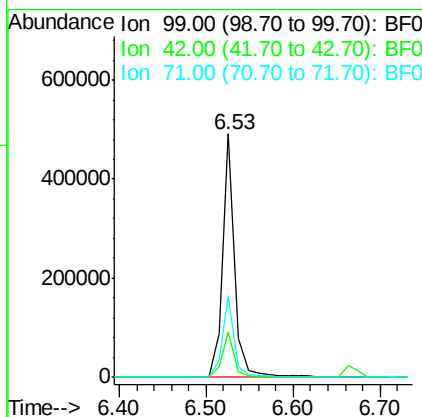
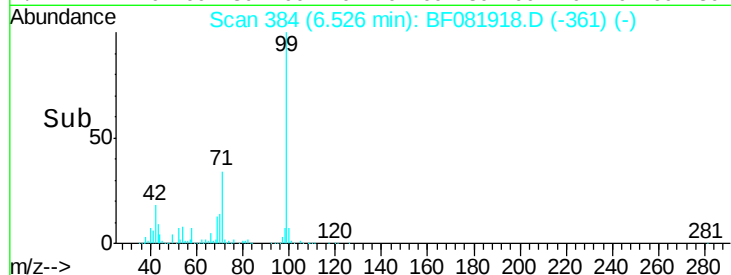
MGP221BR-30-32DL



Tgt Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.7	20.5
71	33.5	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

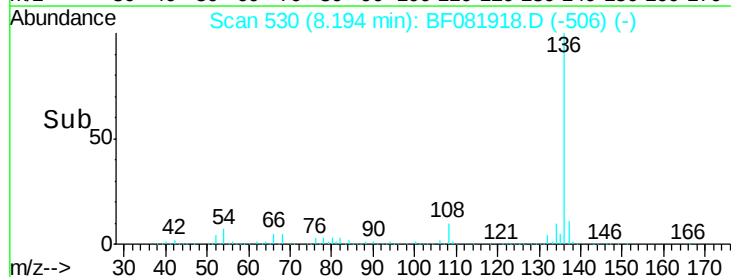
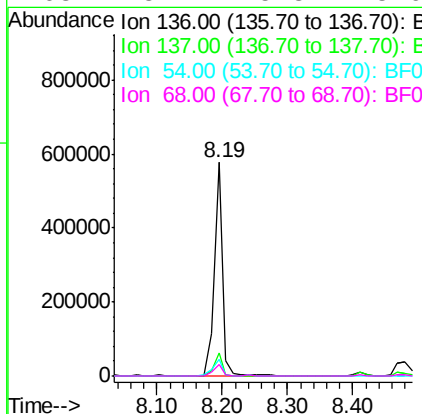
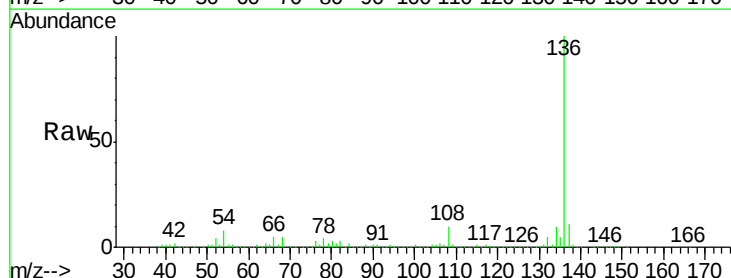
RT: 8.19 min Scan# 530

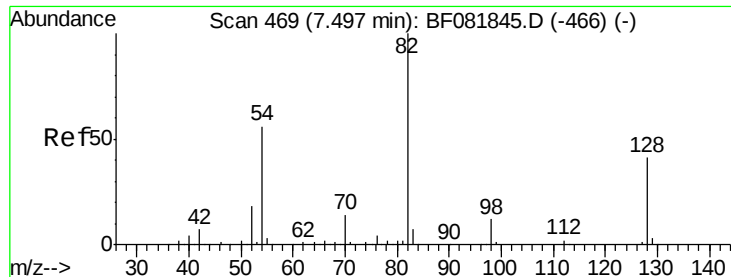
Delta R.T. -0.02 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.6	8.2	12.2#
68	5.2	5.8	8.6#





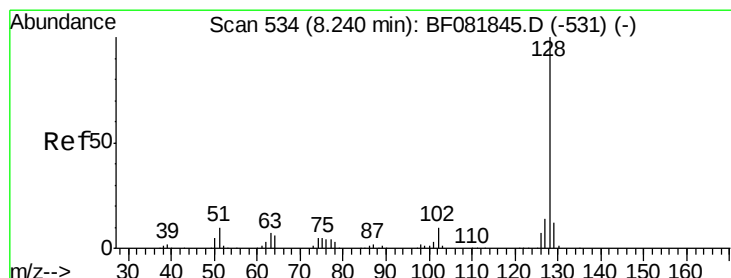
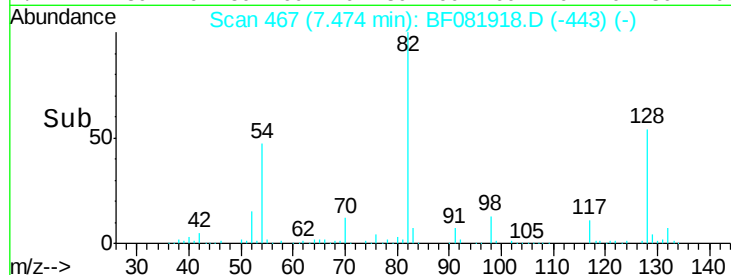
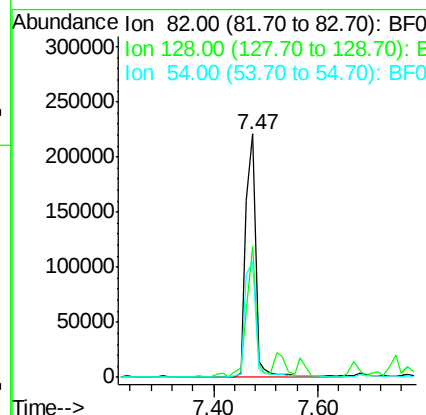
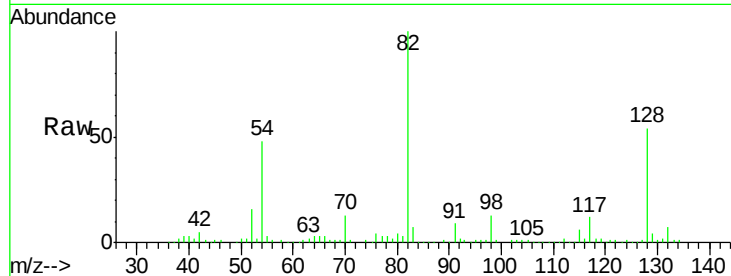
#23
Nitrobenzene-d5
Concen: 38.06 ng
RT: 7.47 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	293889		
128	54.0	51.0	76.6	
54	47.5	47.5	71.3#	

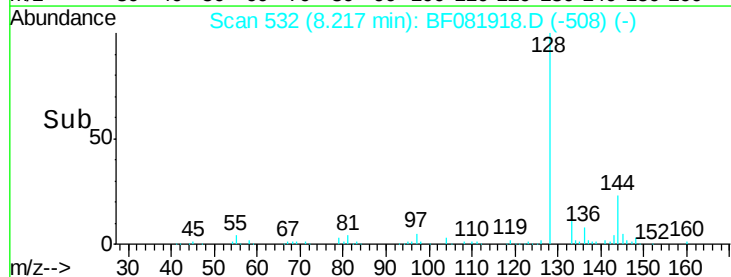
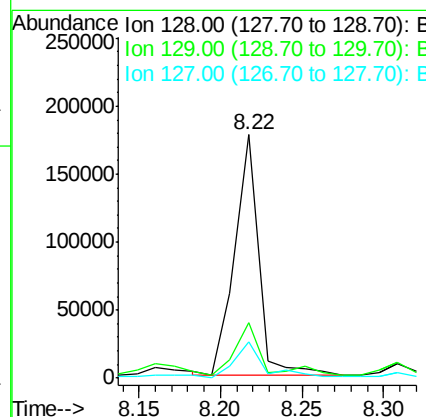
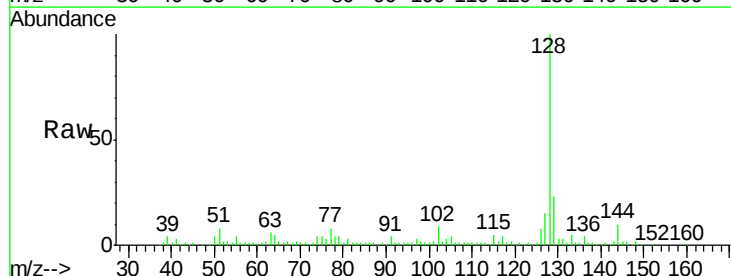
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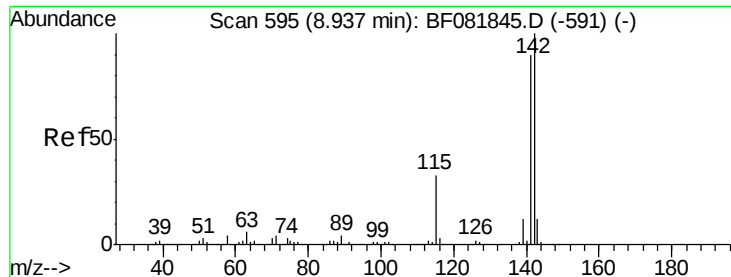
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#31
Naphthalene
Concen: 7.75 ng
RT: 8.22 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	176856		
129	22.6	8.4	12.6#	
127	14.8	9.9	14.9	





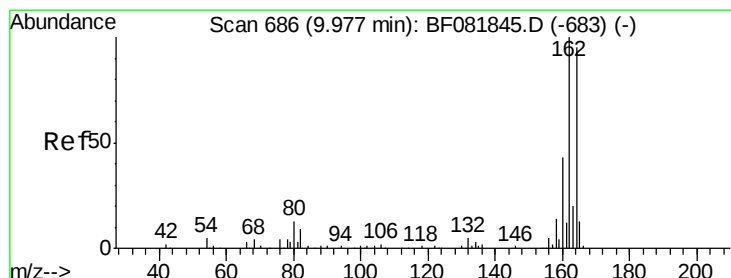
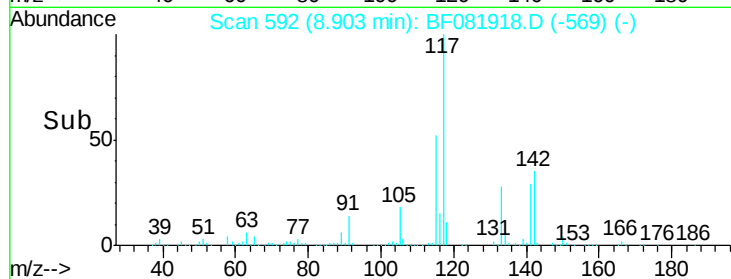
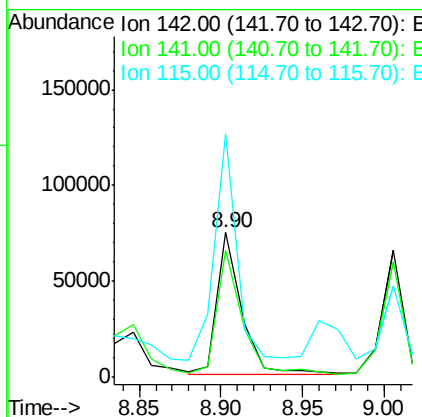
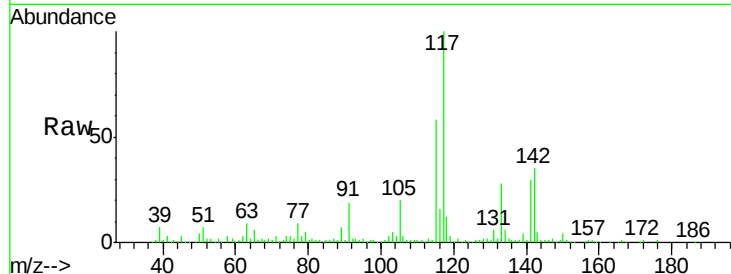
#37
 2-Methylnaphthalene
 Concen: 5.02 ng
 RT: 8.90 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF081918.D
 Acq: 30 Sep 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-30-32DL

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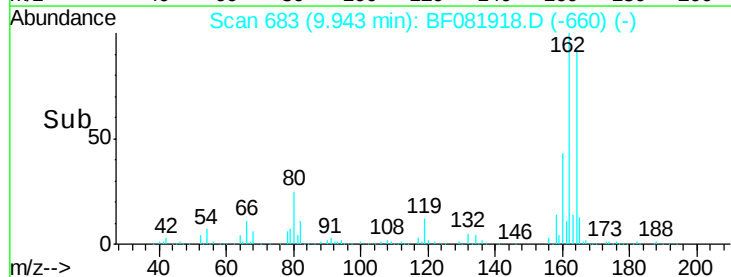
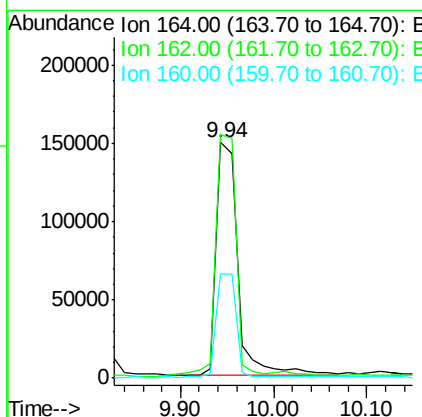
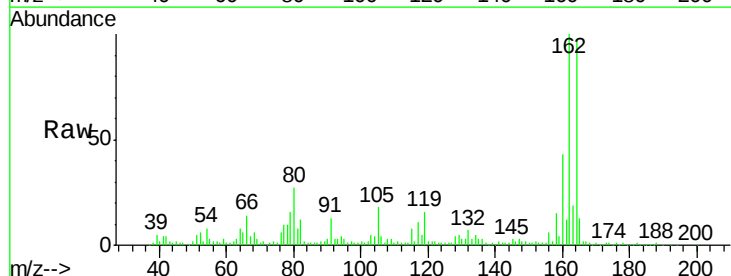
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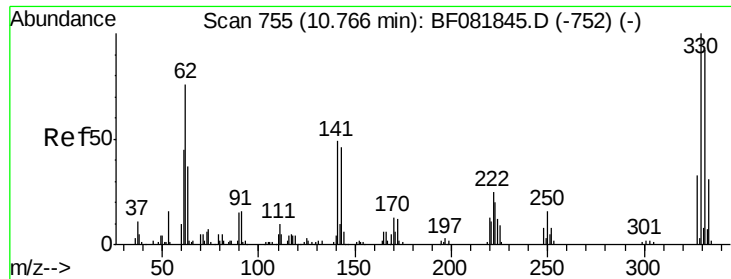
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	67.5	101.3
115	167.9	18.2	27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF081918.D
 Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	75.2	112.8
160	44.4	31.5	47.3





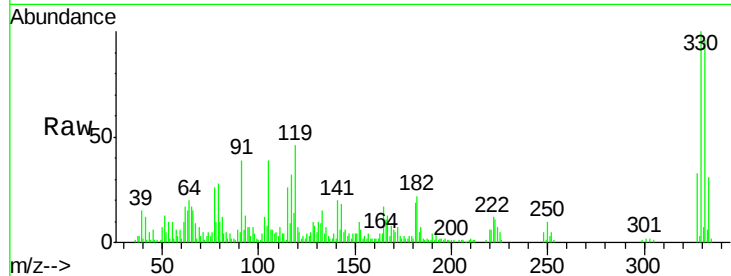
#41
 2,4,6-Tribromophenol
 Concen: 37.73 ng
 RT: 10.74 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF081918.D
 Acq: 30 Sep 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	91229		
332	96.8	76.6	114.8	
141	37.0	29.7	44.5	

Manual Integrations
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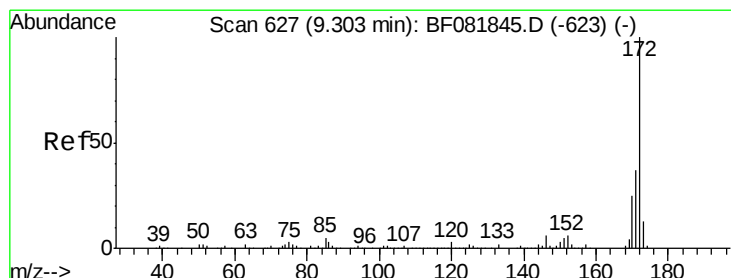
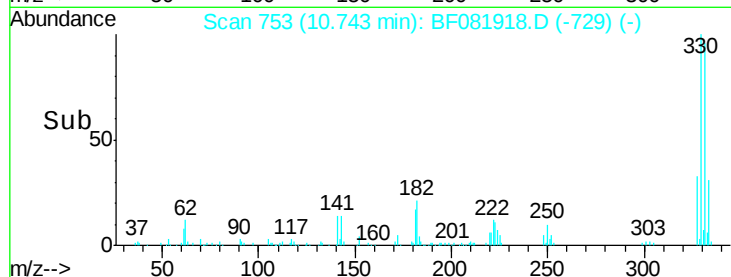
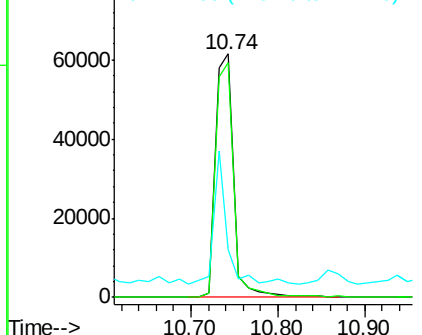


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 29.47 ng
 RT: 9.27 min Scan# 624
 Delta R.T. -0.03 min
 Lab File: BF081918.D
 Acq: 30 Sep 2015 23:22

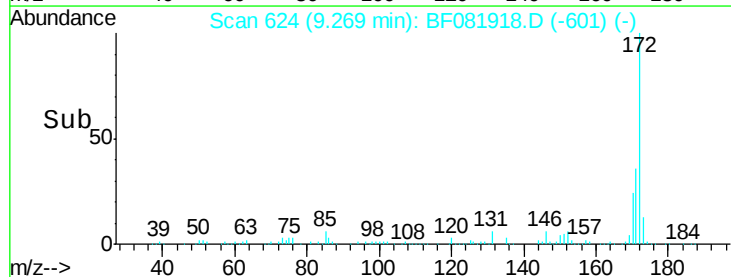
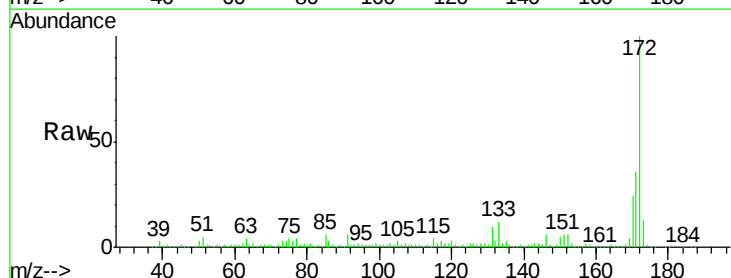
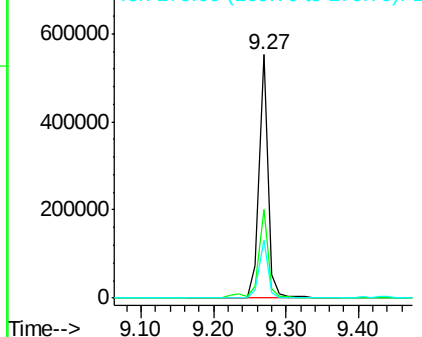
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	481310		
171	36.3	26.1	39.1	
170	24.0	17.4	26.2	

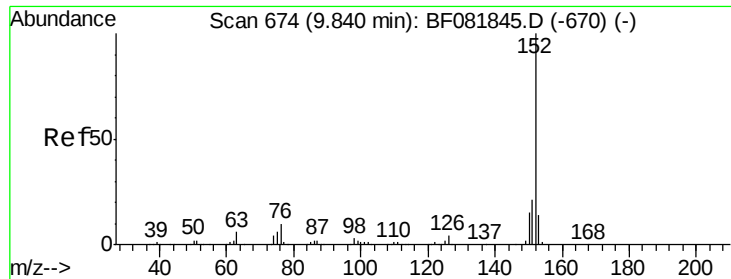
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 15.24 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF081918.D

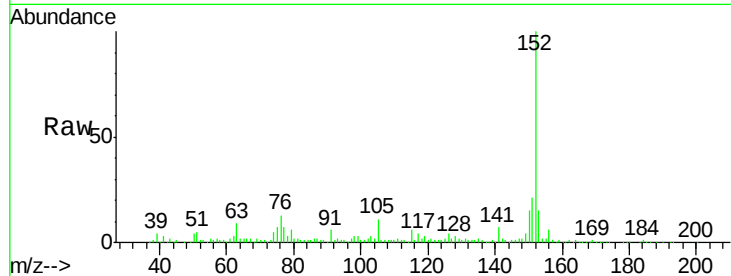
Acq: 30 Sep 2015 23:22

Instrument :

BNA_F

ClientSampleId :

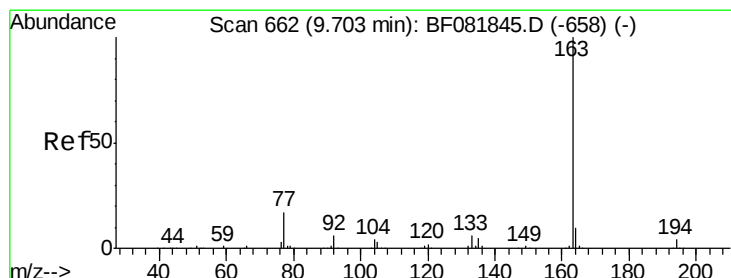
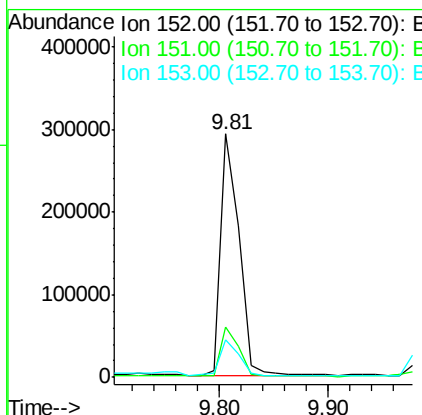
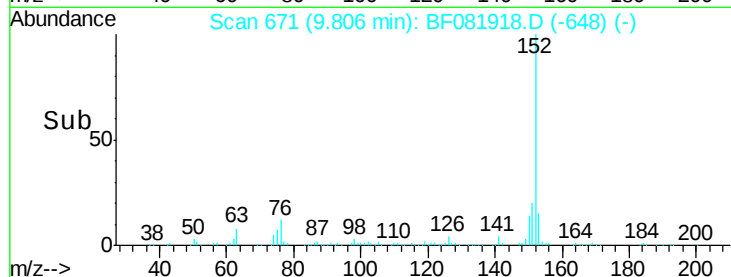
MGP221BR-30-32DL



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	352846		
151	20.6	14.6	22.0	
153	15.4	10.3	15.5	

Manual Integrations
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#49

Dimethylphthalate

Concen: 9.21 ng

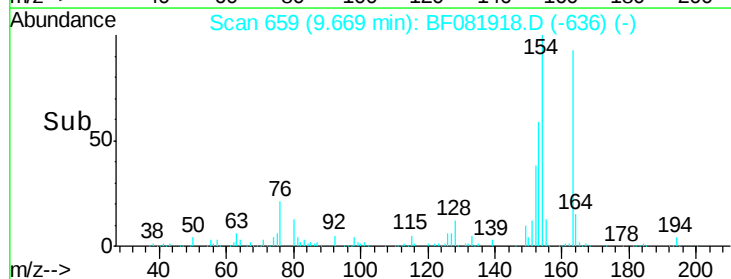
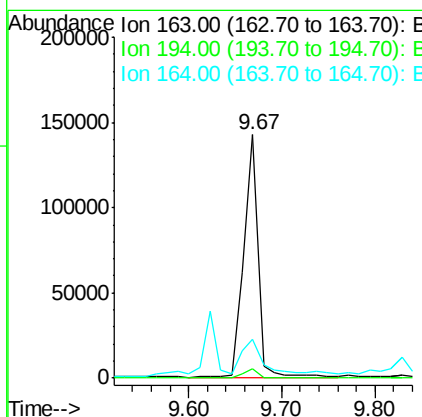
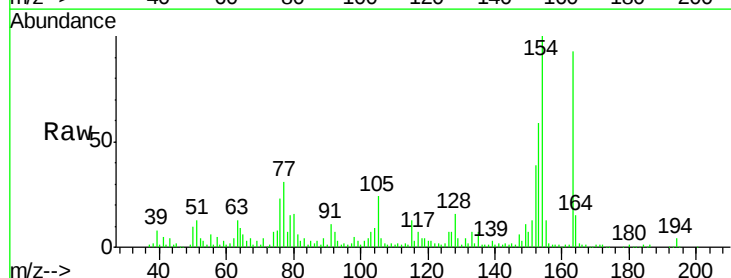
RT: 9.67 min Scan# 659

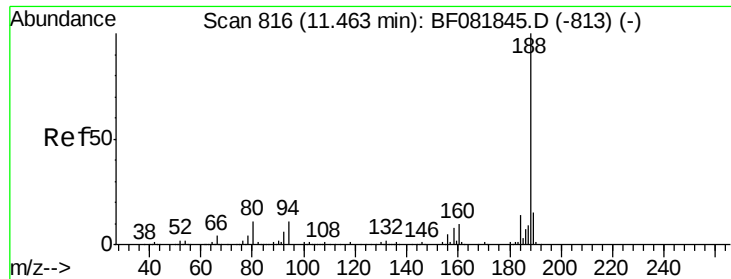
Delta R.T. -0.03 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	151782		
194	4.0	4.4	6.6#	
164	15.9	8.3	12.5#	





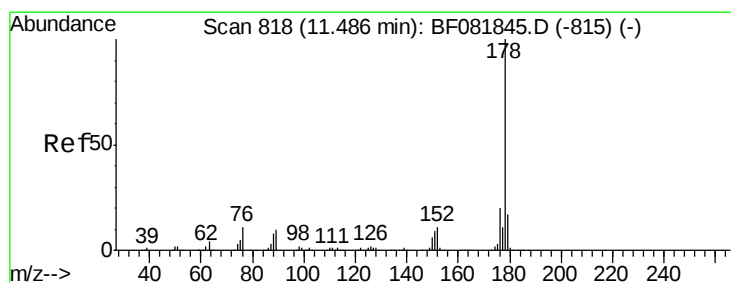
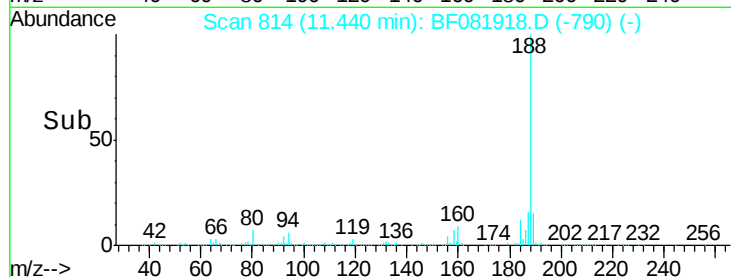
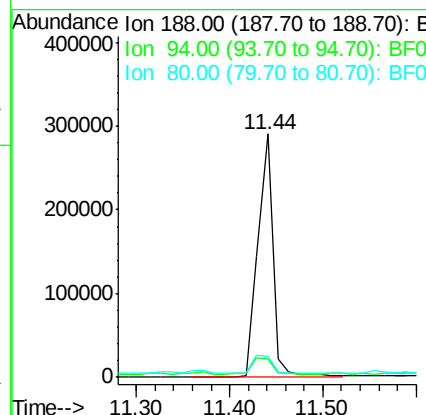
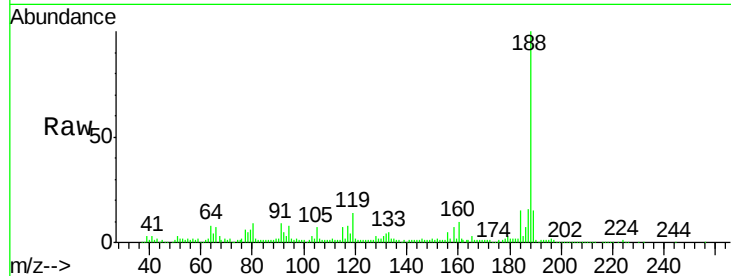
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	11.1	16.7#
80	8.6	11.0	16.4#

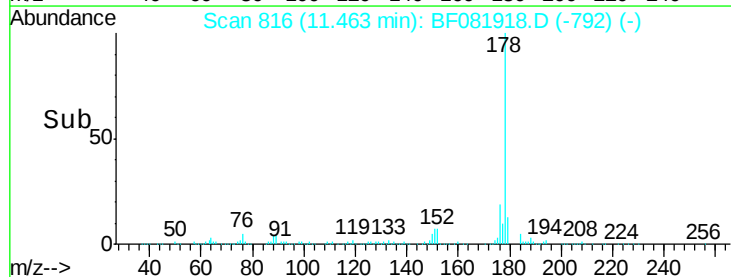
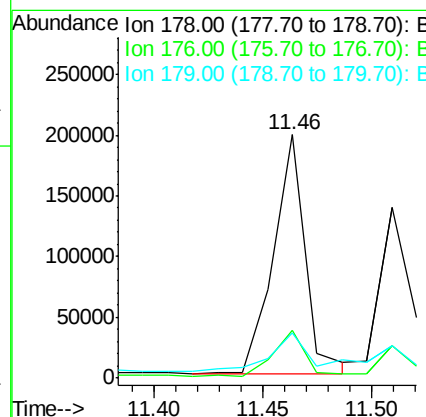
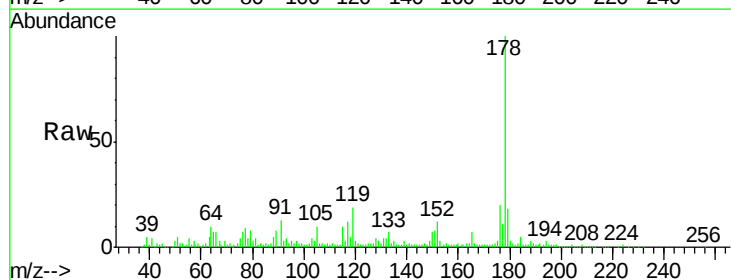
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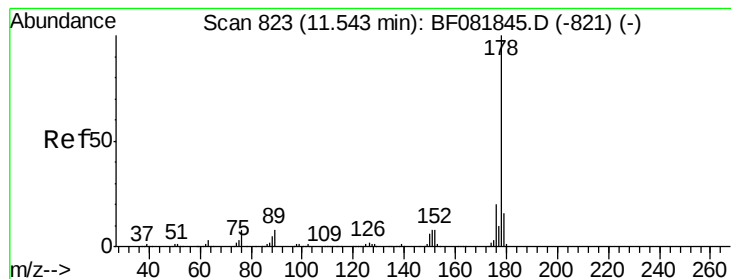
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#70
Phenanthrene
Concen: 11.53 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	13.8	20.8
179	18.4	12.2	18.2#





#71

Anthracene

Concen: 7.78 ng m

RT: 11.51 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF081918.D

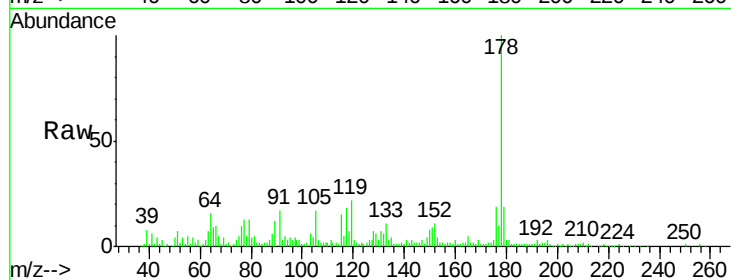
Acq: 30 Sep 2015 23:22

Instrument :

BNA_F

ClientSampleId :

MGP221BR-30-32DL



Tgt Ion:178 Resp: 128642

Ion Ratio Lower Upper

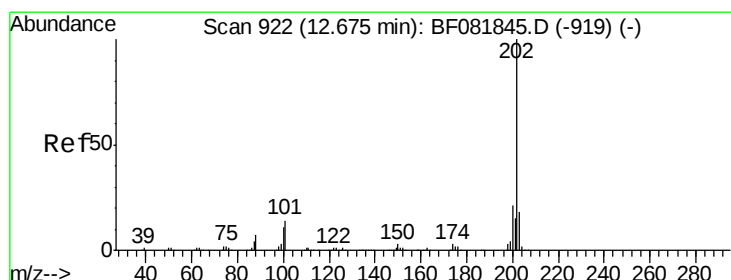
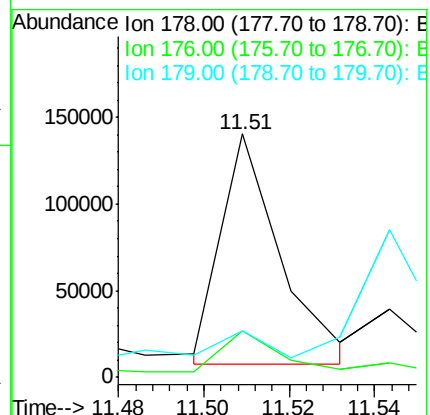
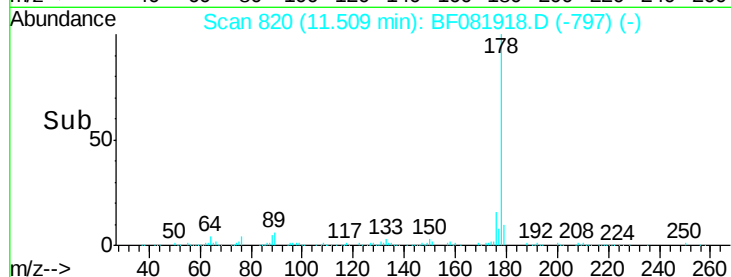
178 100

176 18.9 14.1 21.1

179 19.1 12.2 18.2#

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#74

Fluoranthene

Concen: 41.25 ng

RT: 12.66 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

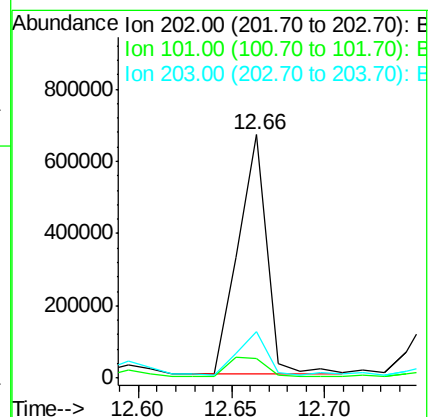
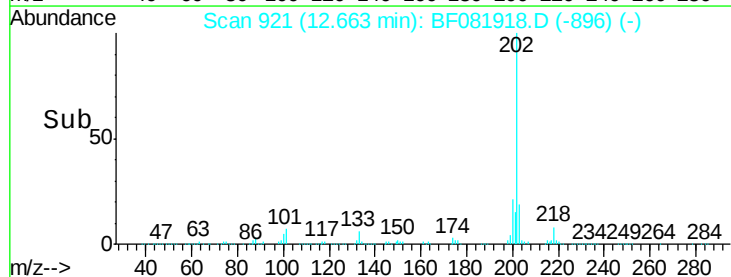
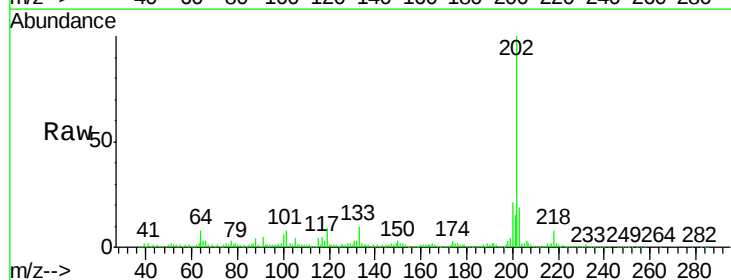
Tgt Ion:202 Resp: 718796

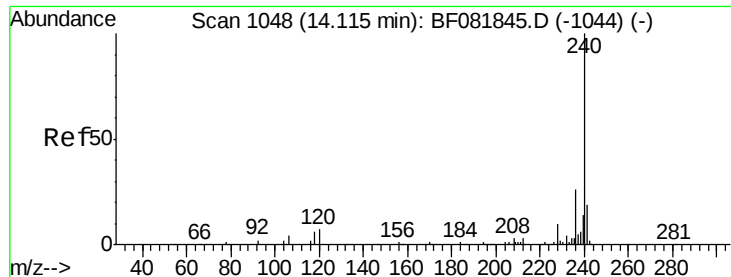
Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

203 19.0 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Instrument :

BNA_F

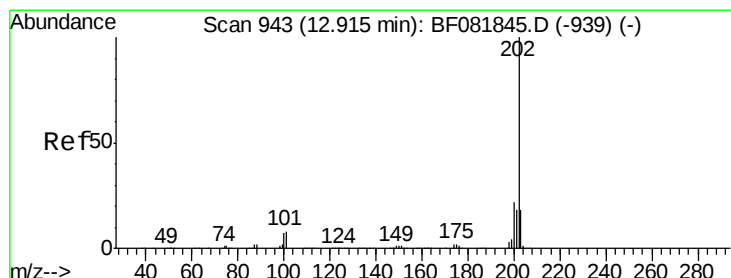
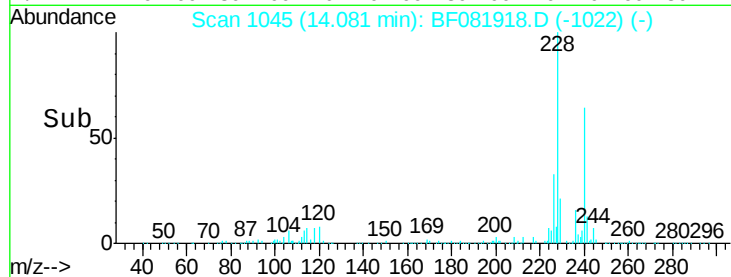
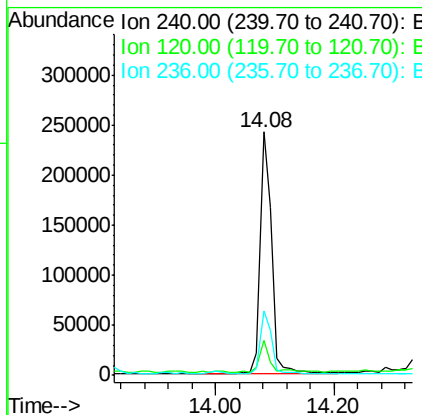
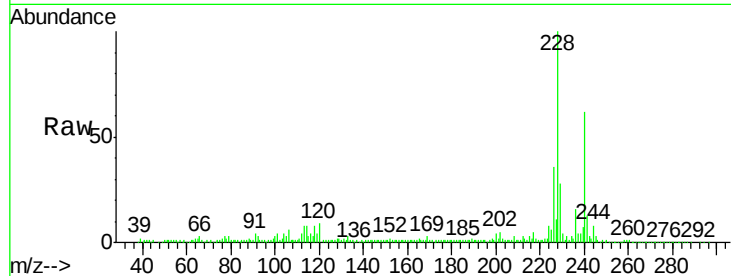
ClientSampleId :

MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	326489		
120	14.4	16.2	24.2#	
236	26.2	18.4	27.6	

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#77

Pyrene

Concen: 60.02 ng

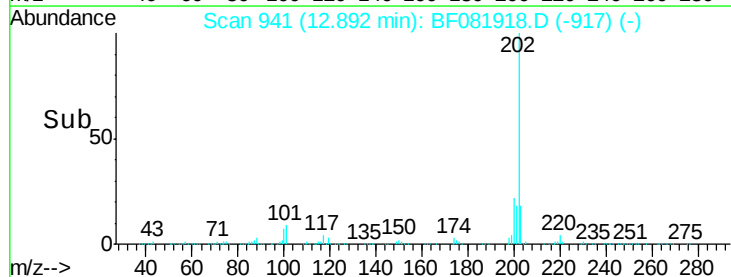
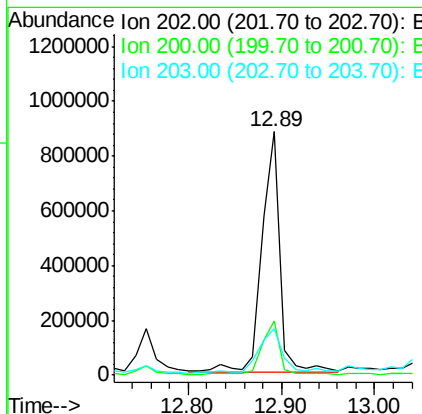
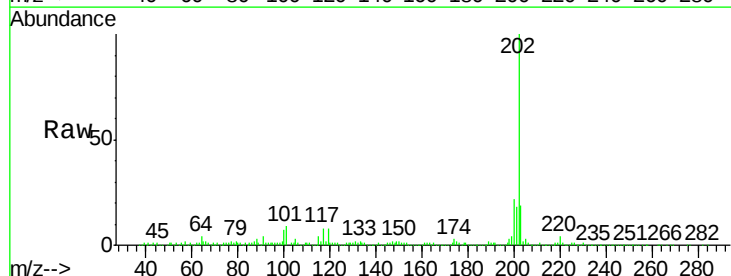
RT: 12.89 min Scan# 941

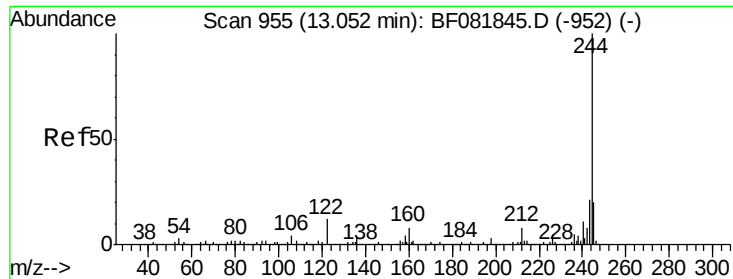
Delta R.T. -0.02 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1170616		
200	22.0	15.0	22.4	
203	19.2	14.1	21.1	





#78

Terphenyl-d14

Concen: 25.02 ng

RT: 13.03 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Instrument :

BNA_F

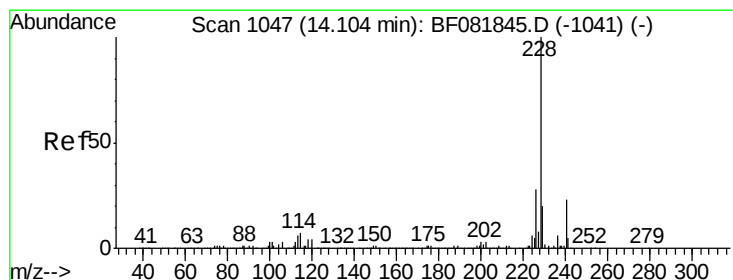
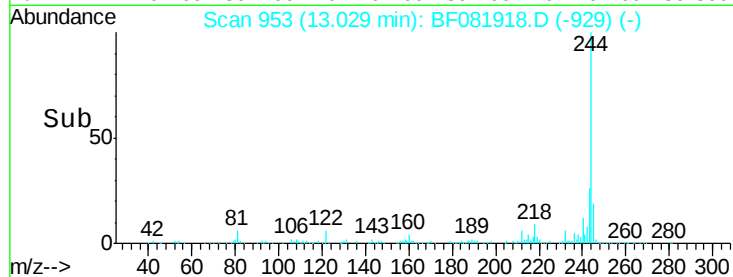
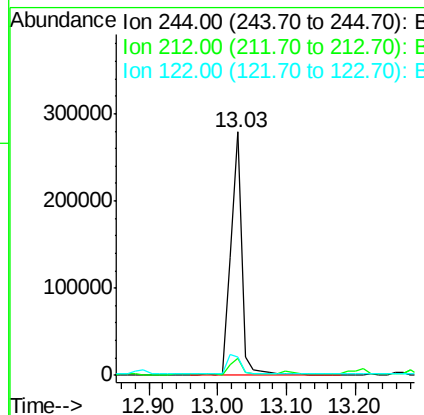
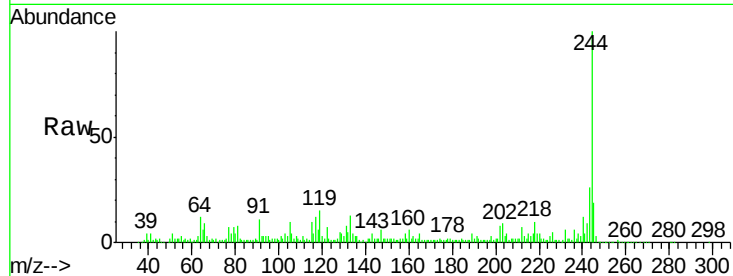
ClientSampleId :

MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	314375		
212	6.8	4.3	6.5#	
122	7.4	17.4	26.2#	

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#80

Benzo(a)anthracene

Concen: 43.20 ng

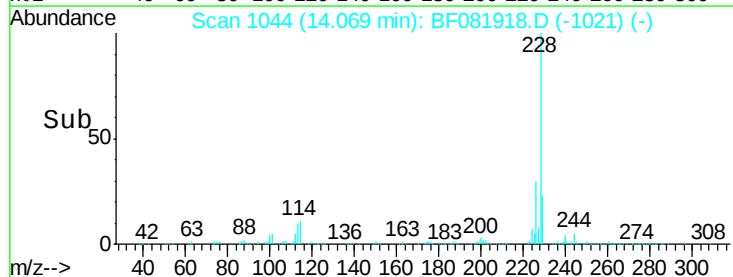
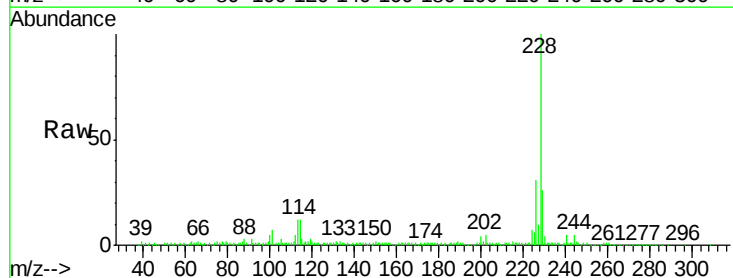
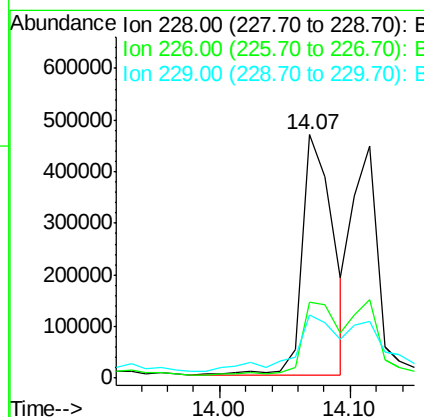
RT: 14.07 min Scan# 1044

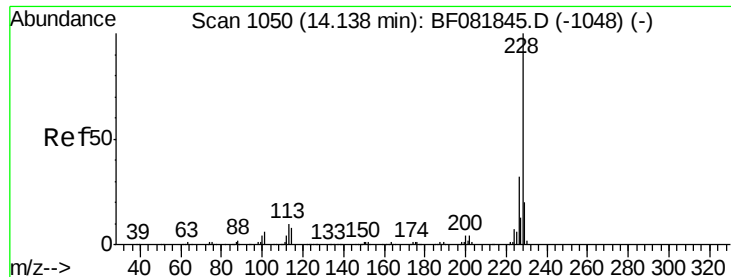
Delta R.T. -0.03 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	759513		
226	31.3	20.0	30.0#	
229	25.7	15.4	23.2#	





#82

Chrysene

Concen: 38.03 ng m

RT: 14.12 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF081918.D

Acq: 30 Sep 2015 23:22

Instrument :

BNA_F

ClientSampleId :

MGP221BR-30-32DL

Tgt Ion:228 Resp: 629172
Ion Ratio Lower Upper

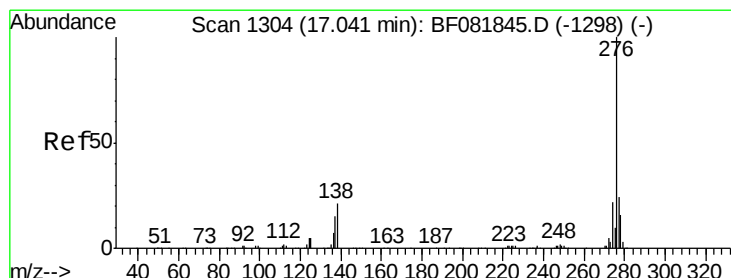
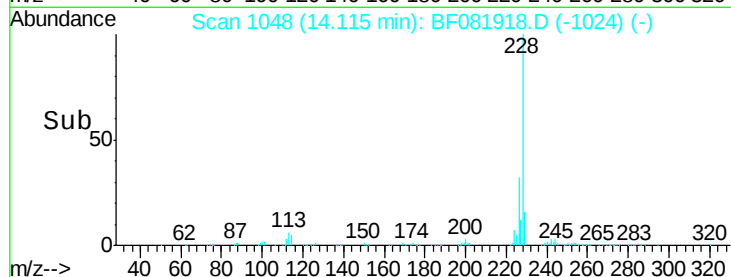
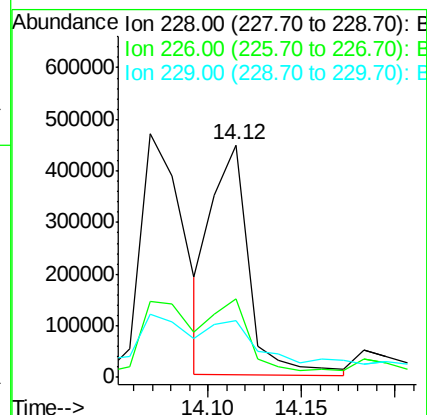
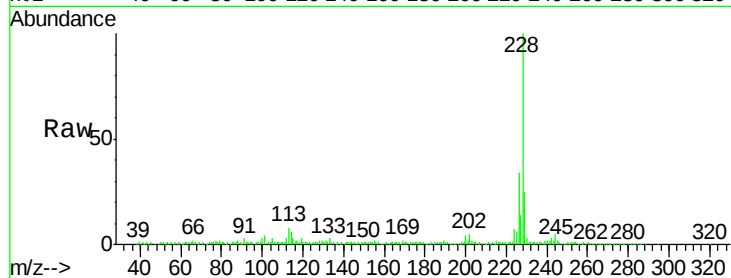
228 100

226 33.8 21.0 31.4#

229 24.5 15.6 23.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.73 ng

RT: 16.98 min Scan# 1299

Delta R.T. -0.06 min

Lab File: BF081918.D

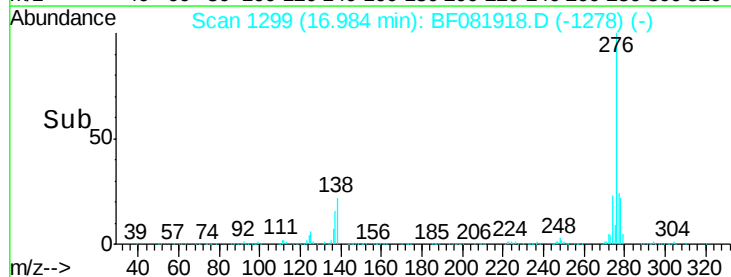
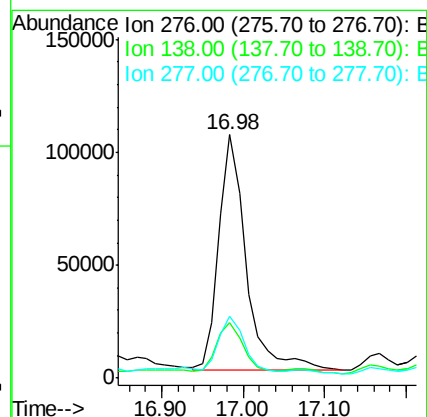
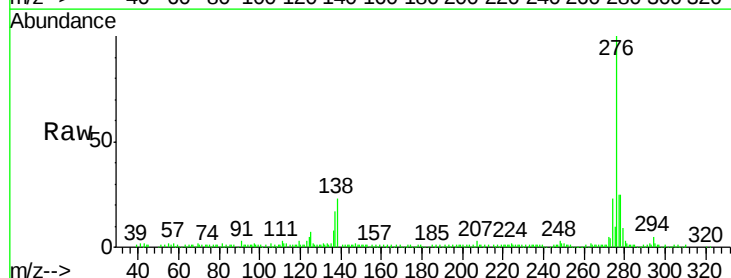
Acq: 30 Sep 2015 23:22

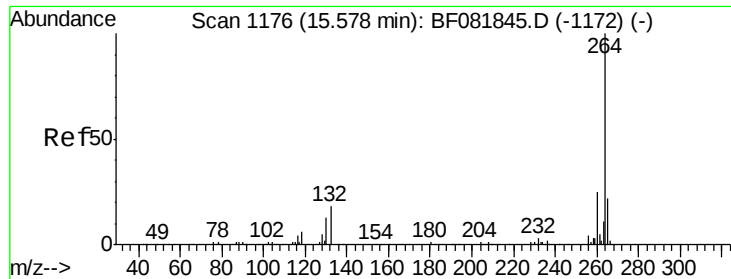
Tgt Ion:276 Resp: 243783
Ion Ratio Lower Upper

276 100

138 20.9 25.7 38.5#

277 21.3 15.6 23.4





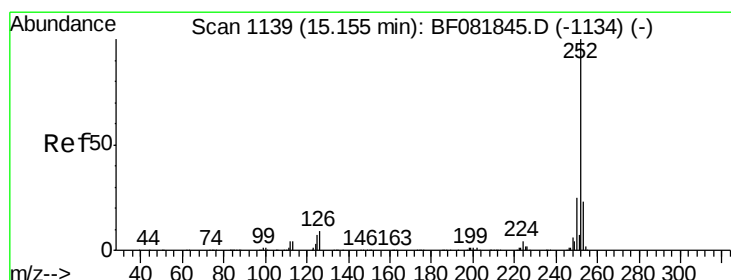
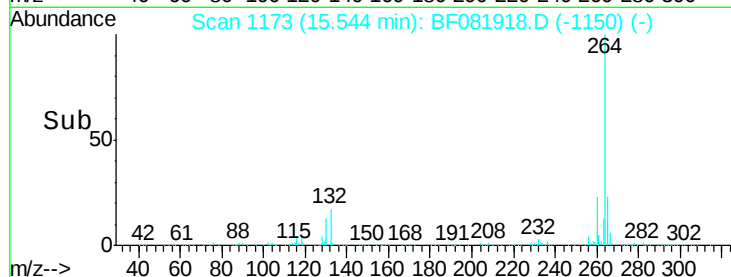
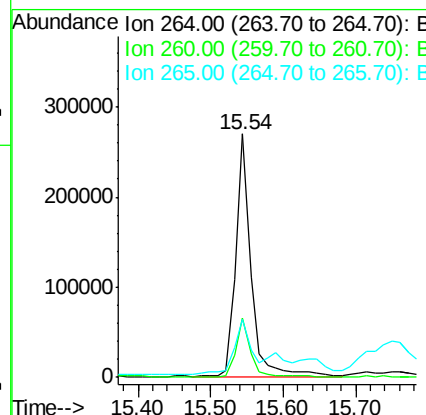
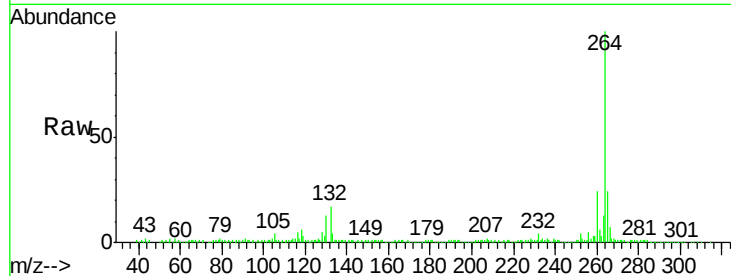
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	393189		
260	24.2	16.7	25.1	
265	23.9	17.2	25.8	

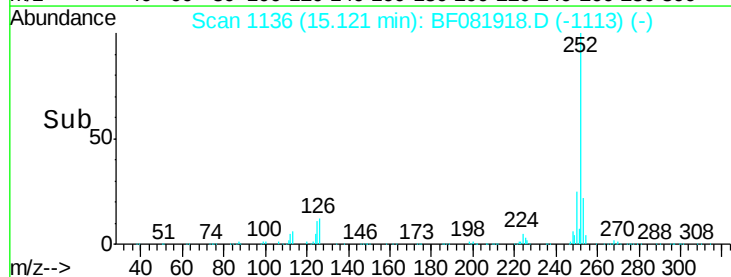
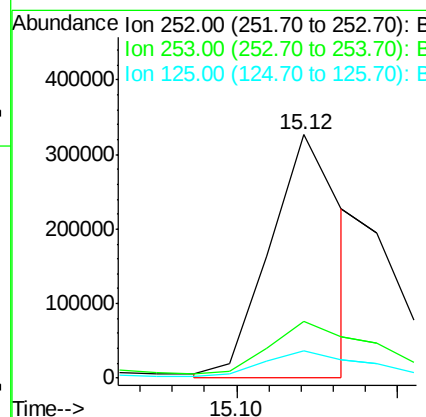
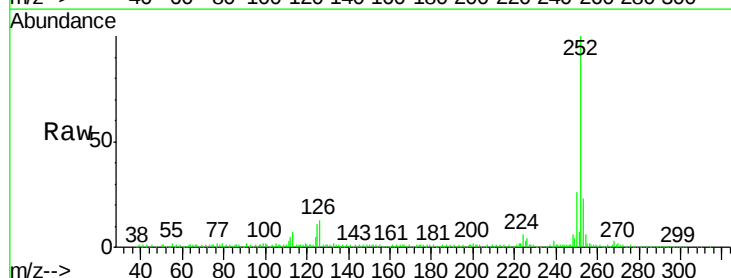
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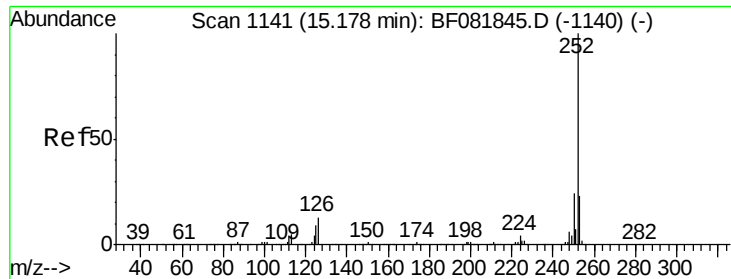
MMDadoda
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#87
Benzo(b)fluoranthene
Concen: 22.52 ng m
RT: 15.12 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	505544		
253	23.3	17.5	26.3	
125	11.3	17.1	25.7#	





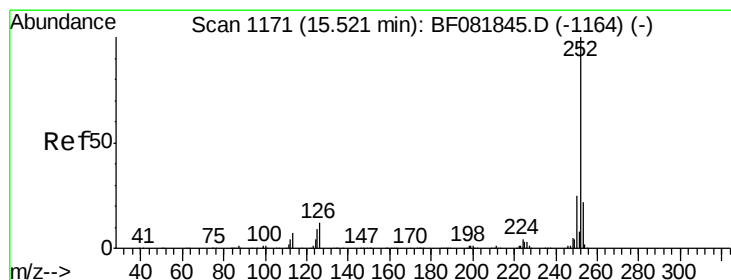
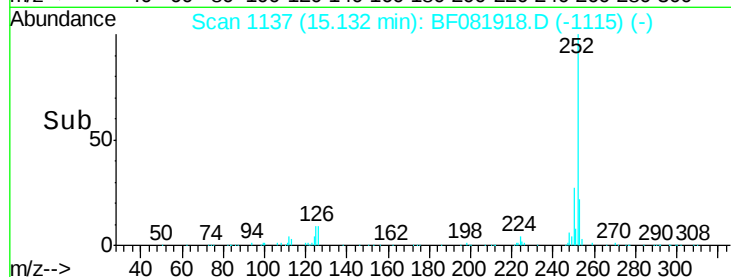
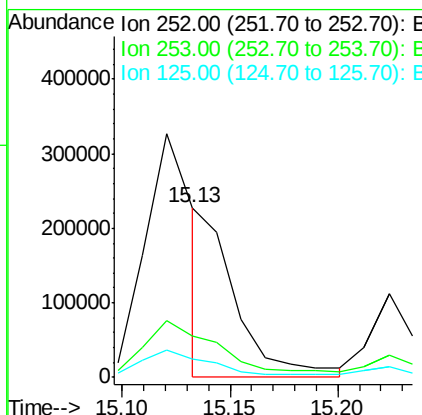
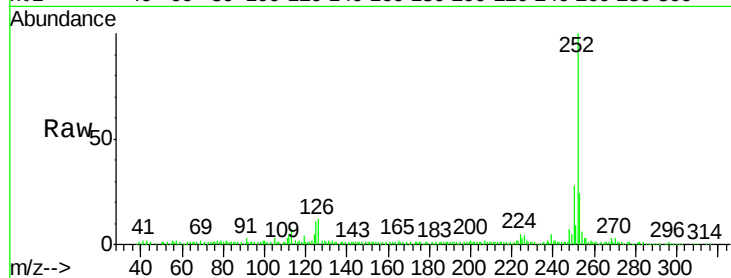
#88
Benzo(k)fluoranthene
Concen: 11.37 ng m
RT: 15.13 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	10.8	16.0	24.0

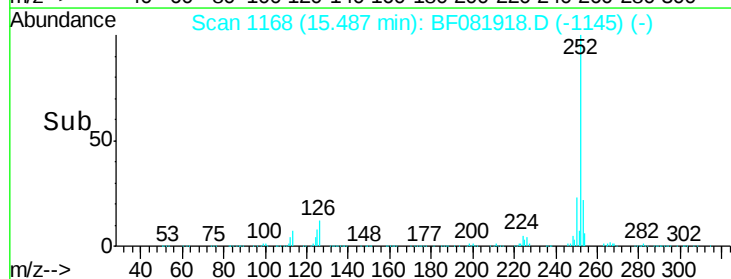
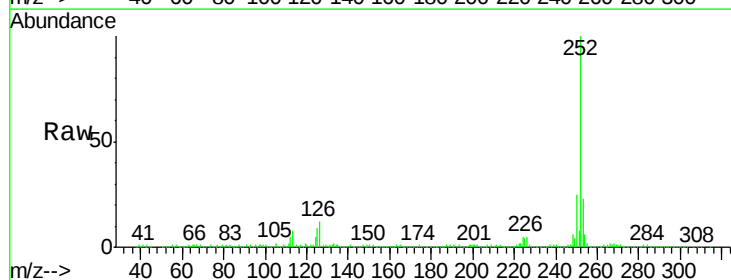
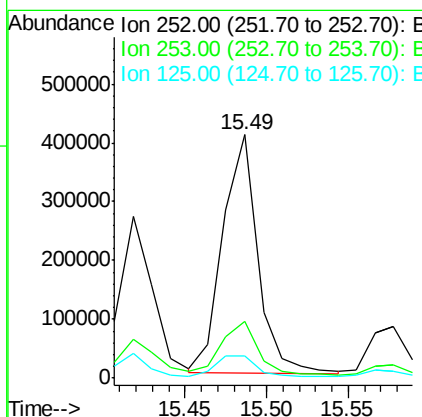
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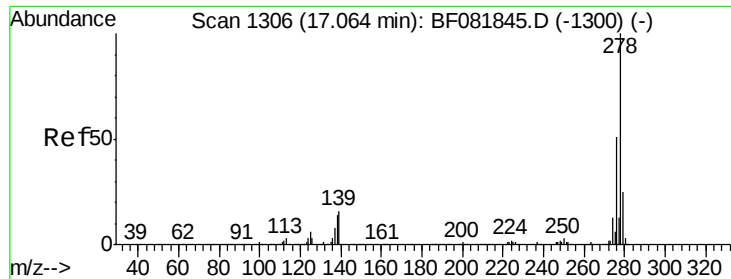
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#89
Benzo(a)pyrene
Concen: 31.27 ng
RT: 15.49 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.2	18.0	27.0





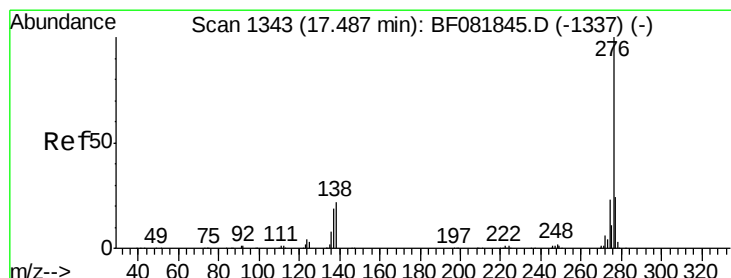
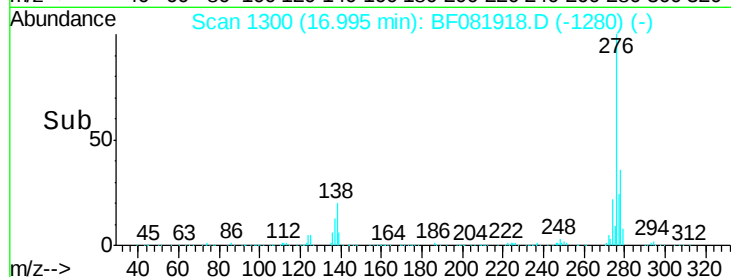
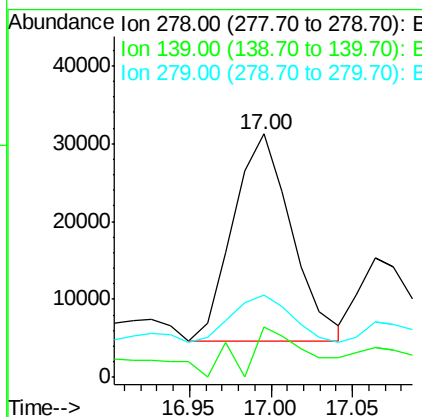
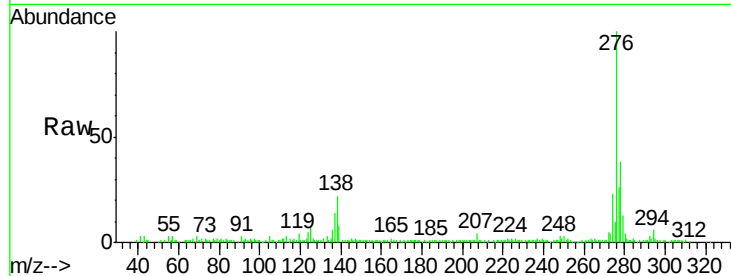
#90
Dibenzo(a,h)anthracene
Concen: 4.04 ng
RT: 17.00 min Scan# 1300
Delta R.T. -0.07 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Instrument :
BNA_F
ClientSampleId :
MGP221BR-30-32DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	26.3	39.5#
279	33.8	18.2	27.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 16.03 ng
RT: 17.42 min Scan# 1337
Delta R.T. -0.07 min
Lab File: BF081918.D
Acq: 30 Sep 2015 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.8	26.6
138	23.7	34.6	51.8#

