

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
 Data File : BF081548.D
 Acq On : 9 Sep 2015 6:13
 Operator : UM/IZ
 Sample : G3585-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-10-13

Manual Integrations
 APPROVED

MMDadoda
 9/9/2015 3:00:01 PM

Quant Time: Sep 09 11:17:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 15:49:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	47657	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	185532	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	82183	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	139812	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	103008	20.00	ng	-0.01
86) Perylene-d12	14.75	264	100209	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	268464	87.40	ng	0.01
7) Phenol-d6	6.02	99	623917	153.45	ng	0.00
23) Nitrobenzene-d5	6.92	82	357398	92.94	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	56518	77.24	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	457615	71.36	ng	0.00
78) Terphenyl-d14	12.42	244	289755	65.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.66	128	35532	3.59	ng	99
49) Dimethylphthalate	9.12	163	160355	25.11	ng	# 97
51) Acenaphthene	9.40	154	14408	2.61	ng	92
54) Dibenzofuran	9.58	168	20951	2.60	ng	# 84
57) Fluorene	9.92	166	22878	3.75	ng	96
70) Phenanthrene	10.86	178	144144	18.54	ng	97
71) Anthracene	10.91	178	36389	4.56	ng	97
74) Fluoranthene	12.03	202	131828	15.67	ng	87
77) Pyrene	12.25	202	132415m	17.35	ng	
80) Benzo(a)anthracene	13.44	228	47945	7.31	ng	95
82) Chrysene	13.47	228	38244m	6.50	ng	
85) Indeno(1,2,3-cd)pyrene	15.82	276	17685	4.10	ng	# 82
87) Benzo(b)fluoranthene	14.42	252	39382m	5.50	ng	
88) Benzo(k)fluoranthene	14.43	252	18420m	3.10	ng	
89) Benzo(a)pyrene	14.71	252	39181	6.46	ng	# 83
91) Benzo(g,h,i)perylene	16.13	276	15837	3.54	ng	# 79

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

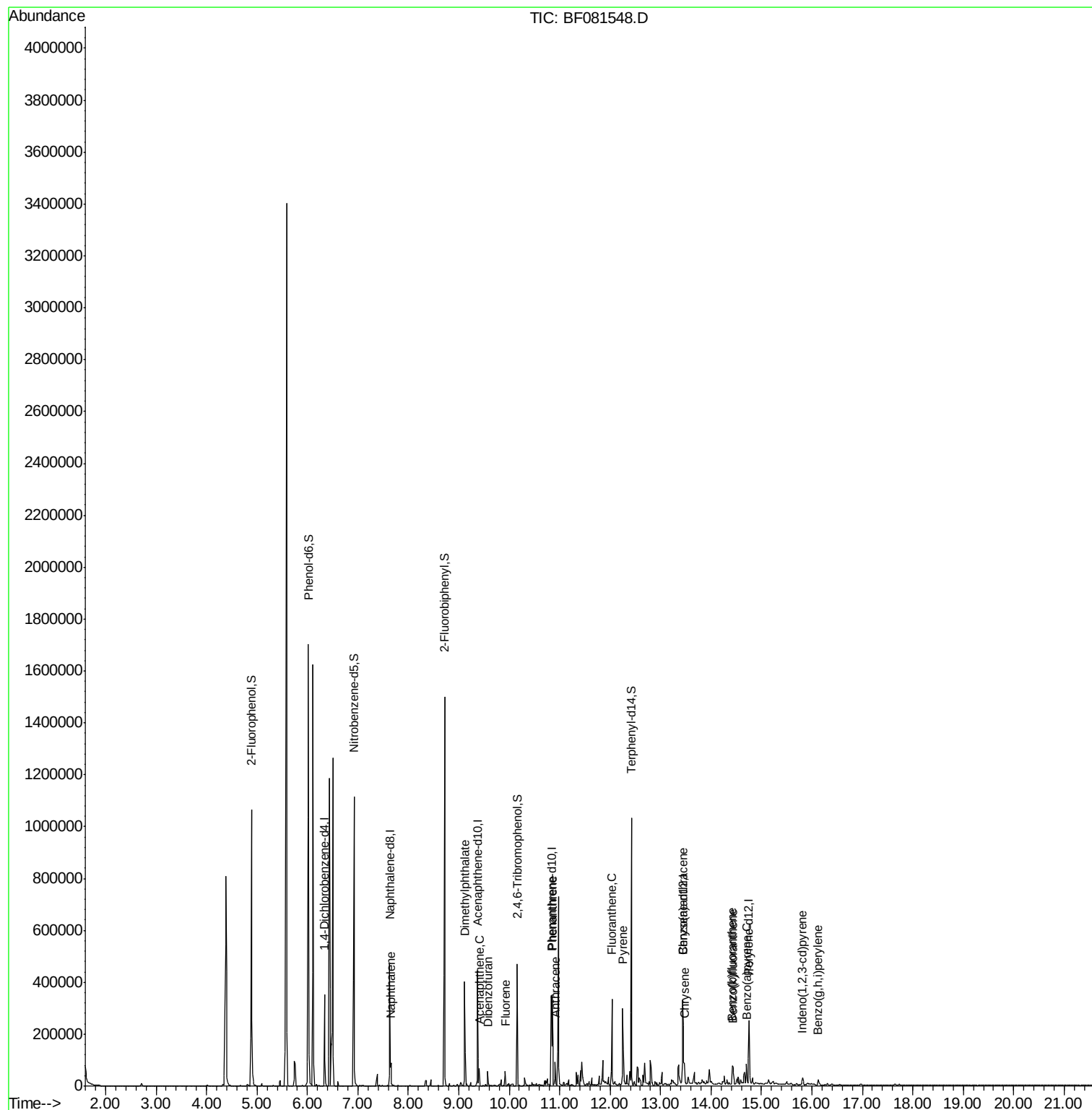
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081548.D
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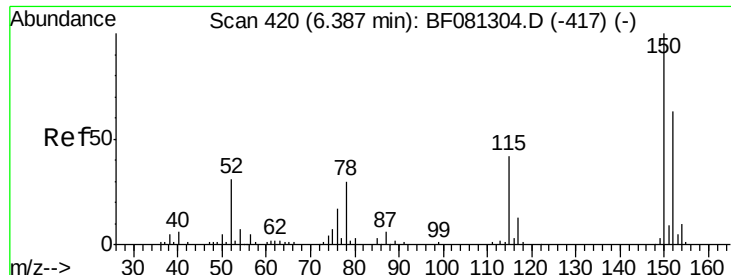
Instrument :
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MGP212BR-10-13

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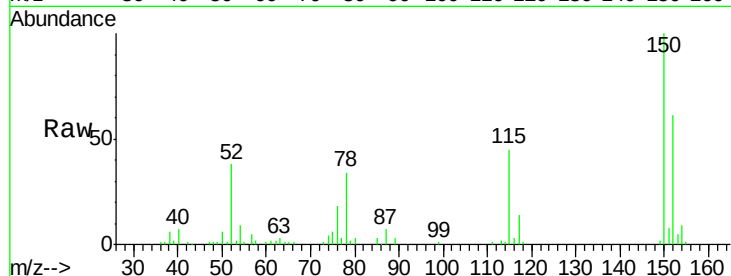




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

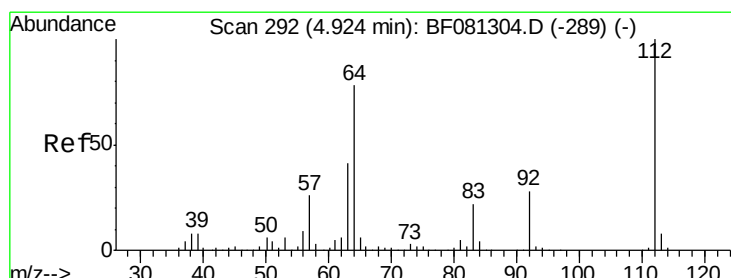
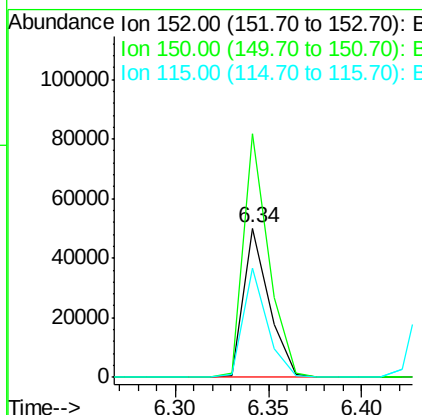
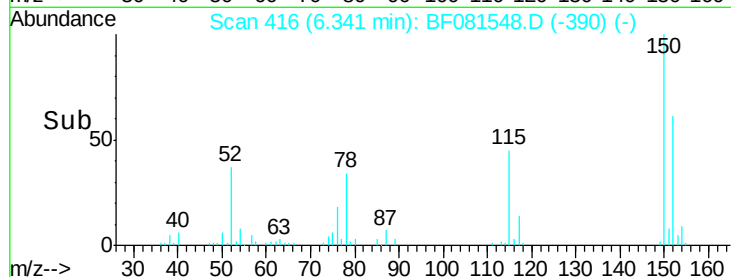
Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13



Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.2	124.7	187.1
115	72.8	39.0	58.4#

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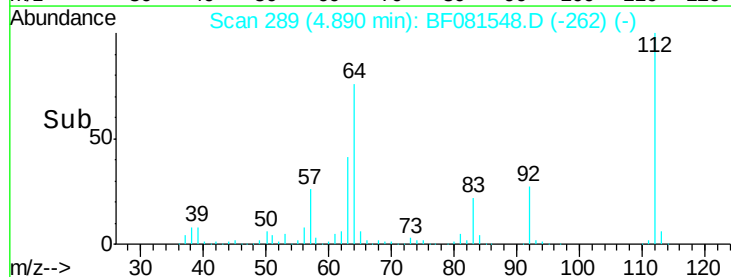
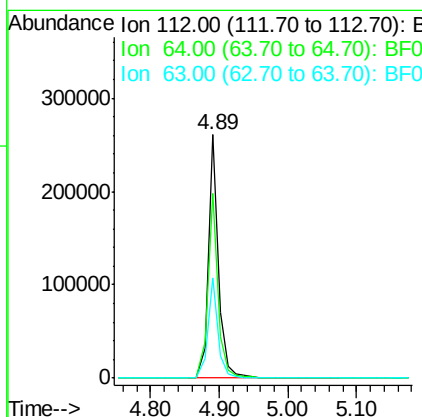
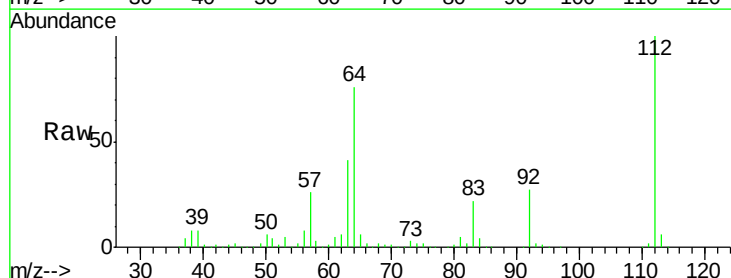
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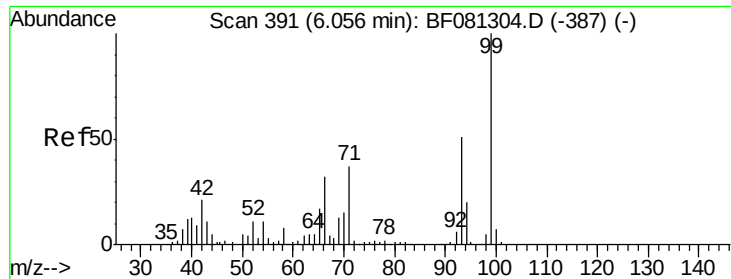


#5

2-Fluorophenol
Concen: 87.40 ng
RT: 4.89 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.0	39.7	59.5#
63	41.0	17.4	26.0#





#7

Phenol-d6

Concen: 153.45 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081548.D

Acq: 9 Sep 2015 6:13

Instrument :

BNA_F

ClientSampleId :

MGP212BR-10-13

Tgt Ion: 99 Resp: 623917
Ion Ratio Lower Upper

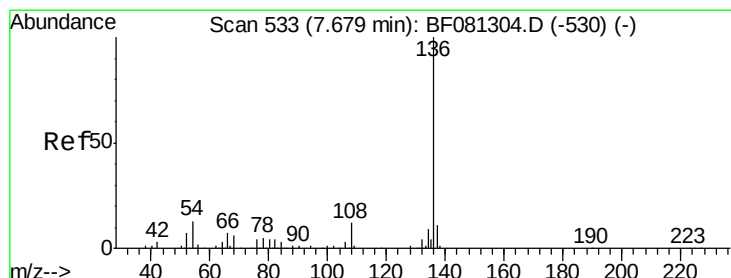
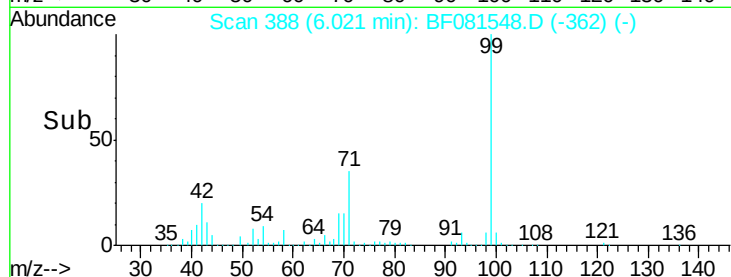
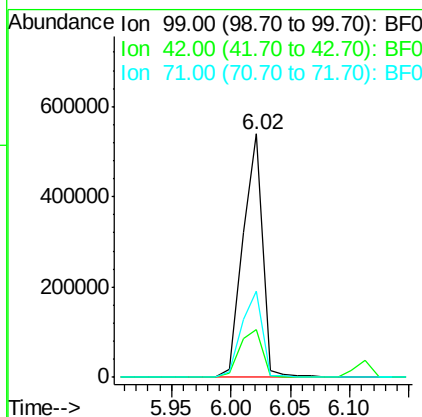
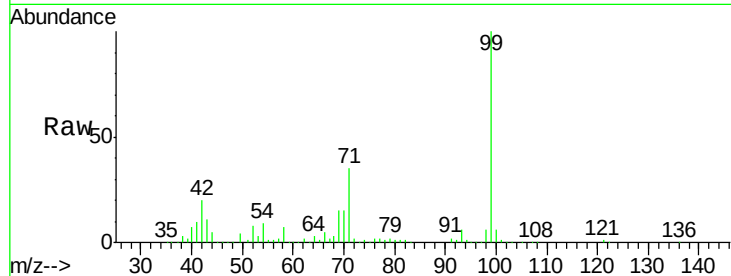
99 100

42 19.9 13.7 20.5

71 35.3 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081548.D

Acq: 9 Sep 2015 6:13

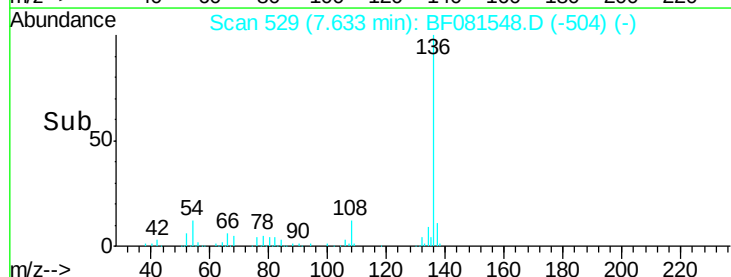
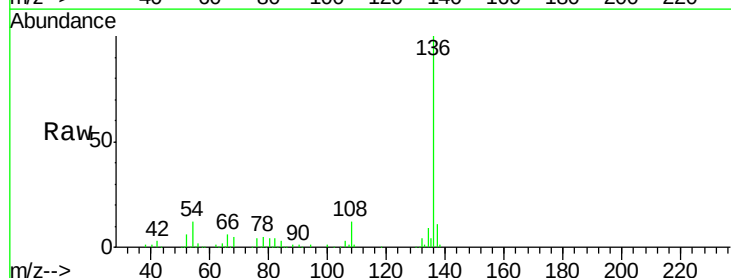
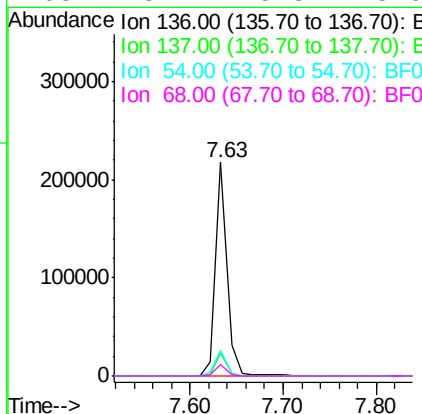
Tgt Ion: 136 Resp: 185532
Ion Ratio Lower Upper

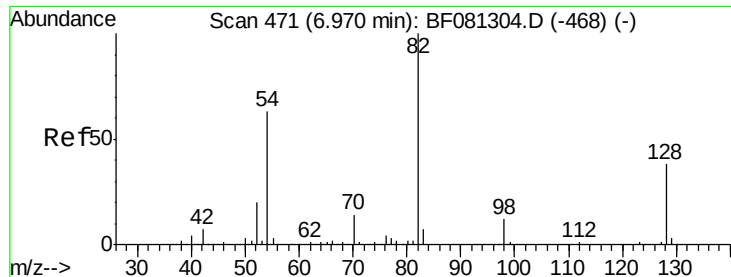
136 100

137 11.1 9.0 13.6

54 12.1 8.2 12.2

68 5.2 5.8 8.6#





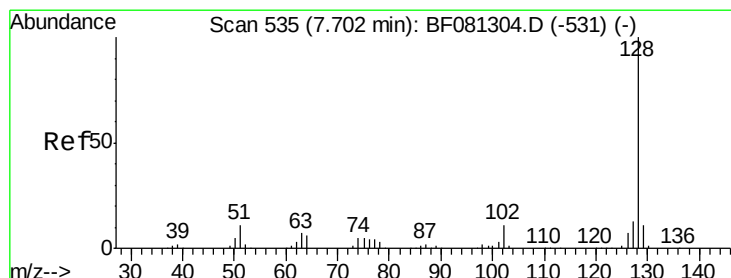
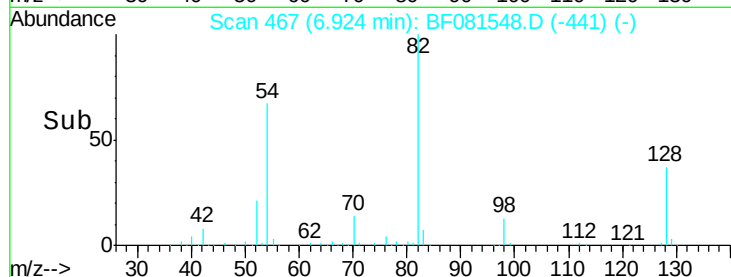
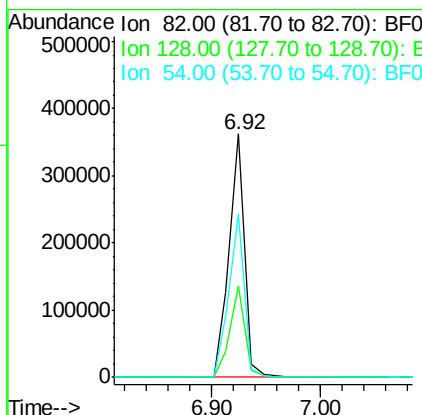
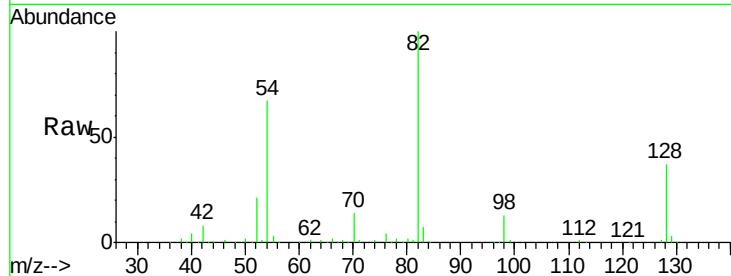
#23
 Nitrobenzene-d5
 Concen: 92.94 ng
 RT: 6.92 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	357398		
128	37.4	51.0	76.6#	
54	67.2	47.5	71.3	

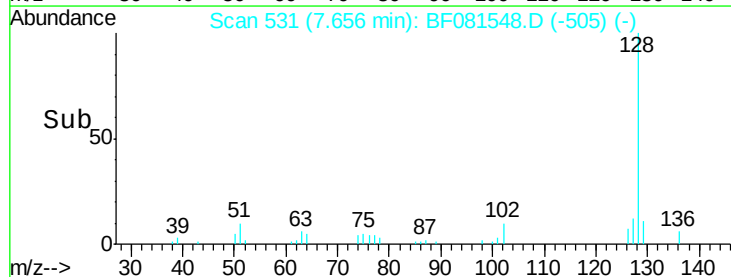
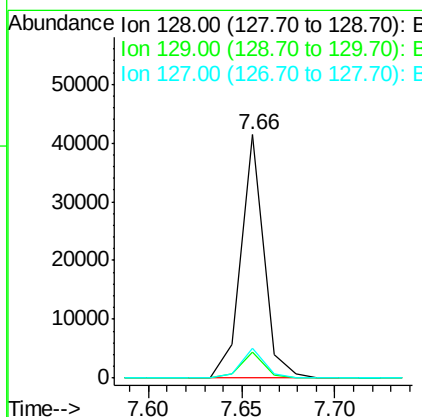
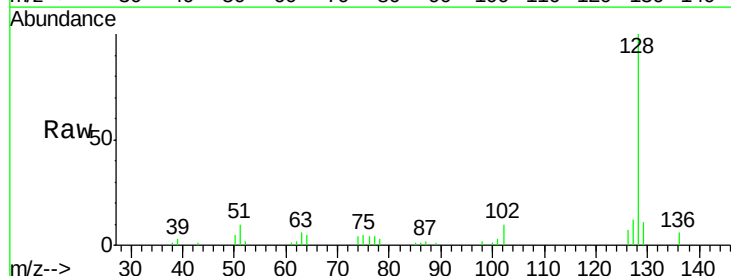
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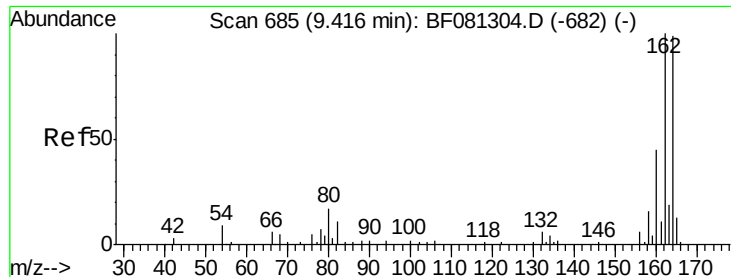
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#31
 Naphthalene
 Concen: 3.59 ng
 RT: 7.66 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: BF081548.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	35532		
129	10.9	8.4	12.6	
127	12.1	9.9	14.9	





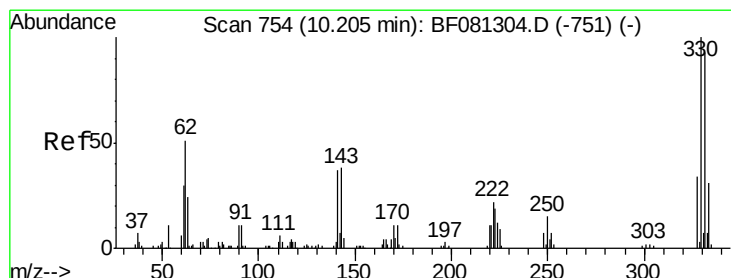
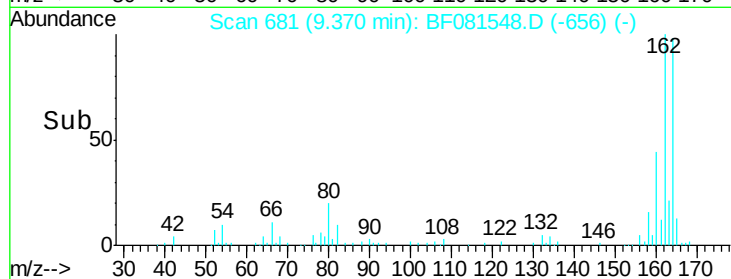
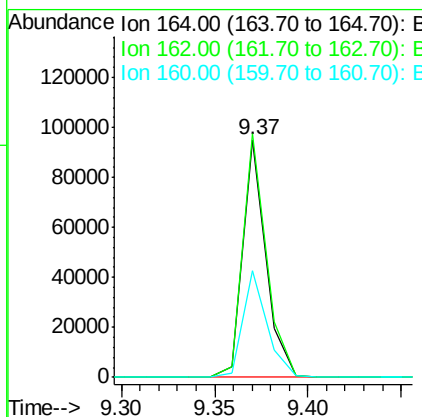
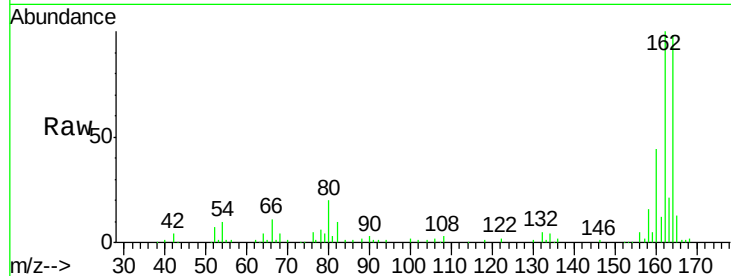
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82183		
162	102.4	75.2	112.8	
160	44.8	31.5	47.3	

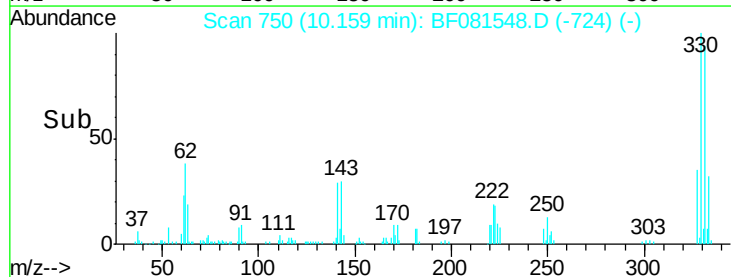
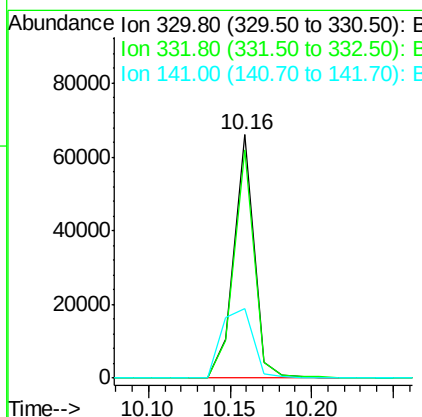
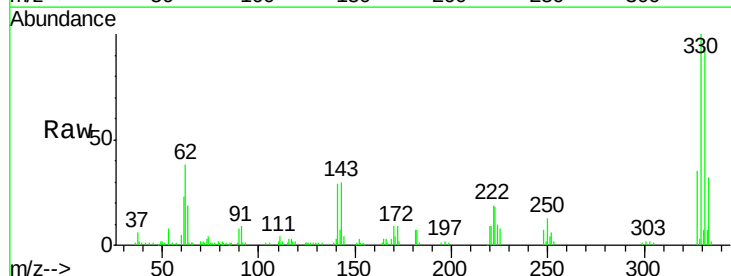
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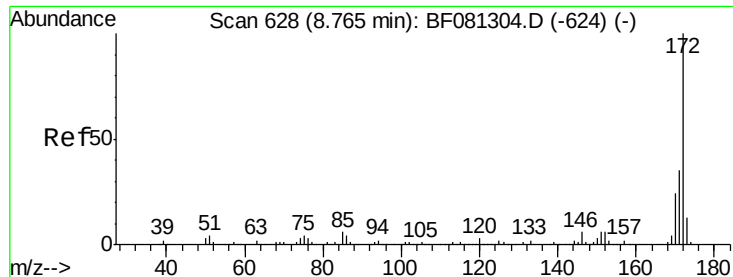
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9/9/2015 3:00:01 PM



#41
2,4,6-Tribromophenol
Concen: 77.24 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

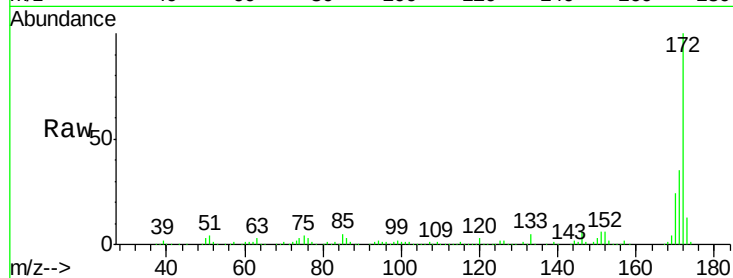
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	56518		
332	94.5	76.6	114.8	
141	44.7	29.7	44.5#	





#44
2-Fluorobiphenyl
Concen: 71.36 ng
RT: 8.72 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

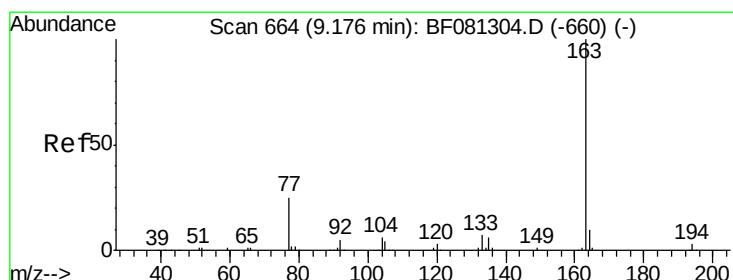
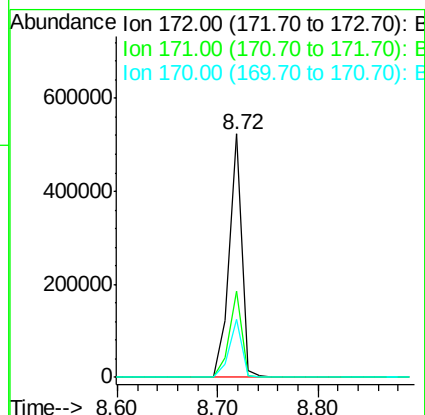
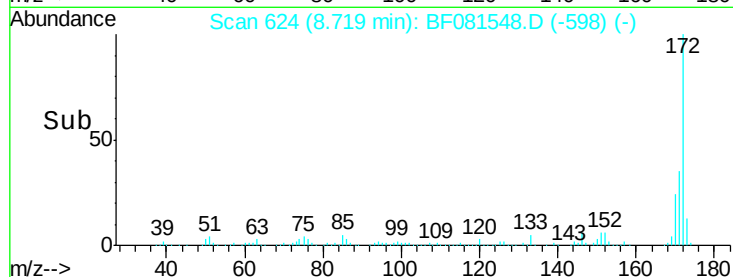
Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13



Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.3	26.1	39.1
170	24.1	17.4	26.2

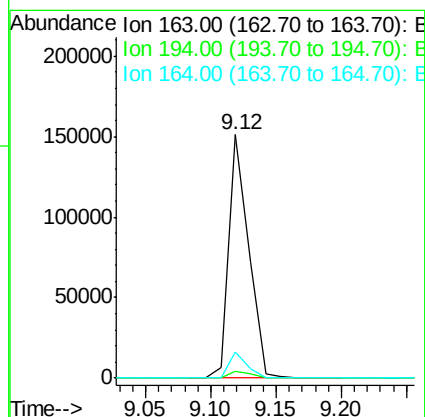
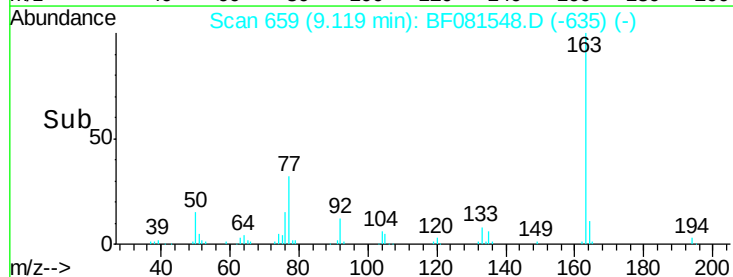
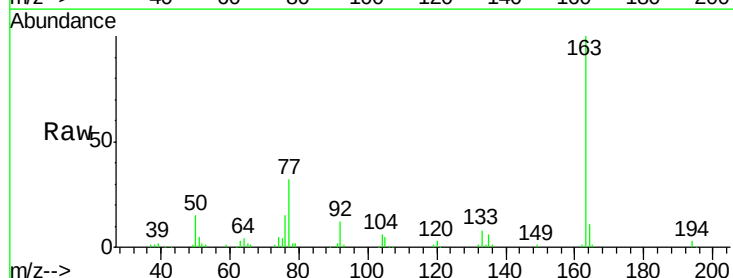
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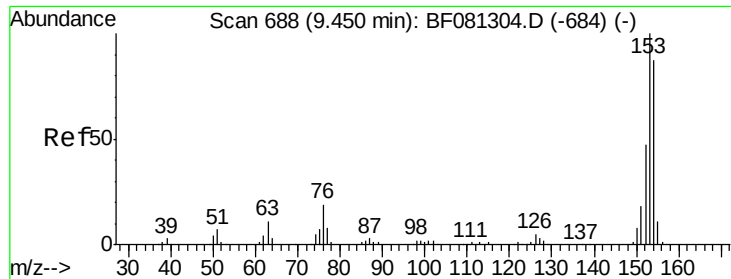
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9/9/2015 3:00:01 PM



#49
Dimethylphthalate
Concen: 25.11 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.8	4.4	6.6#
164	10.6	8.3	12.5





#51

Acenaphthene

Concen: 2.61 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF081548.D

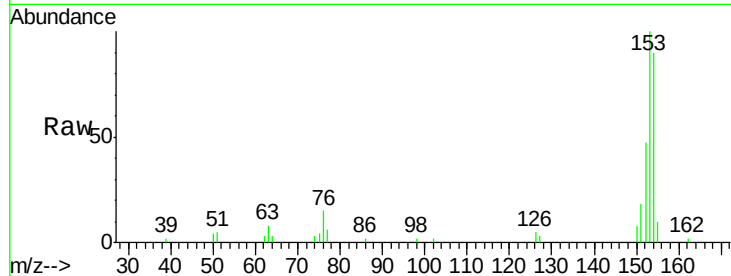
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Instrument :

BNA_F

ClientSampleId :

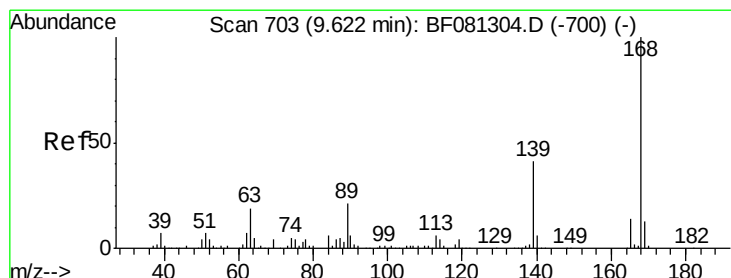
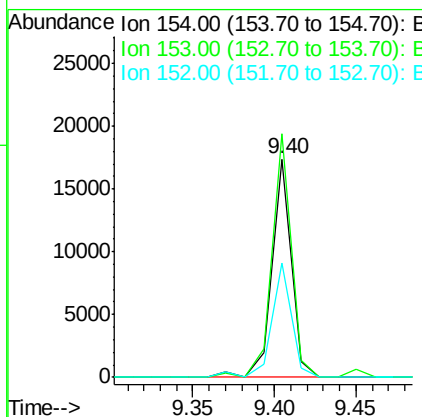
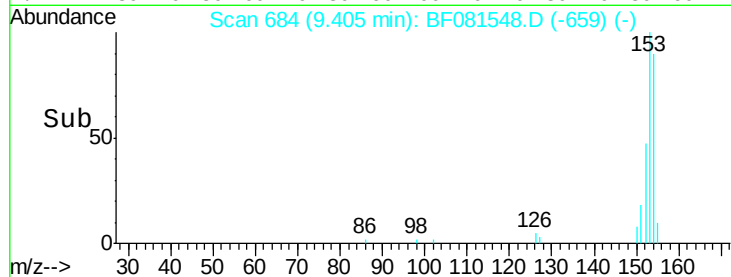
MGP212BR-10-13



Tgt Ion:	154	Resp:	14408
Ion Ratio	Lower	Upper	
154	100		
153	111.4	82.1	123.1
152	52.5	37.9	56.9

Manual Integrations
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#54

Dibenzofuran

Concen: 2.60 ng

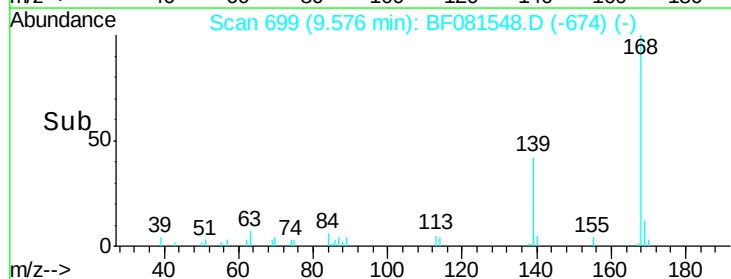
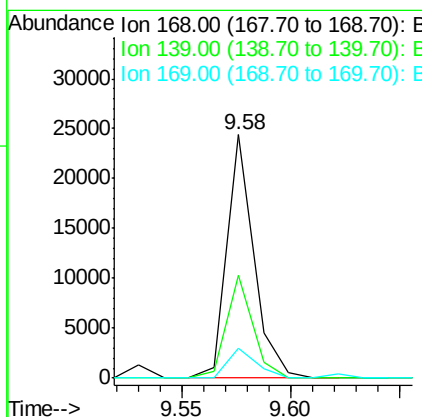
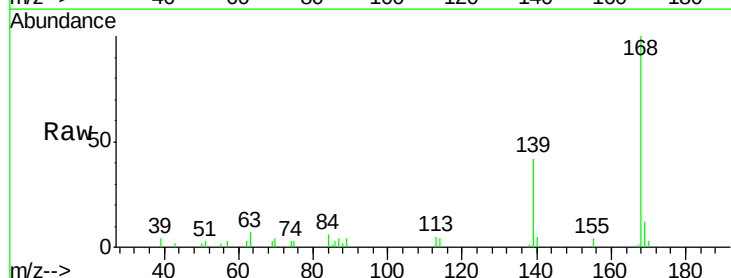
RT: 9.58 min Scan# 699

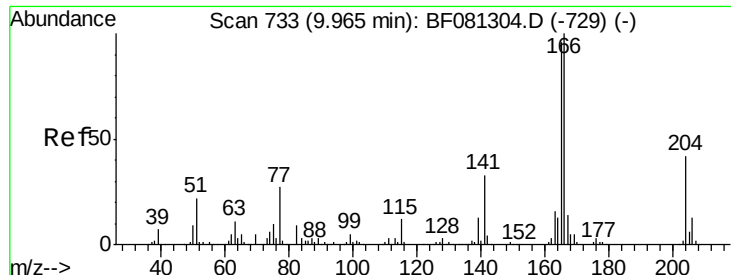
Delta R.T. -0.01 min

Lab File: BF081548.D

Acq: 9 Sep 2015 6:13

Tgt Ion:	168	Resp:	20951
Ion Ratio	Lower	Upper	
168	100		
139	42.2	24.2	36.2#
169	12.2	10.6	15.8





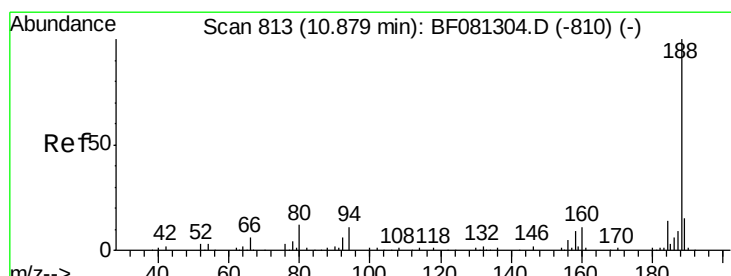
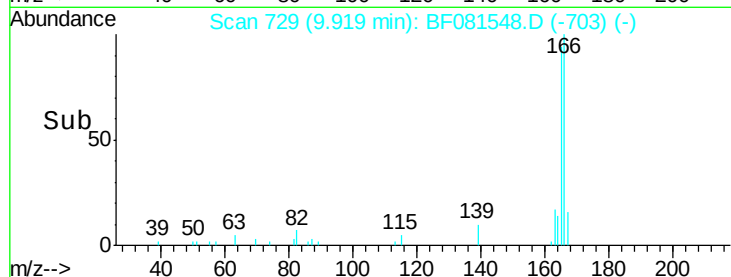
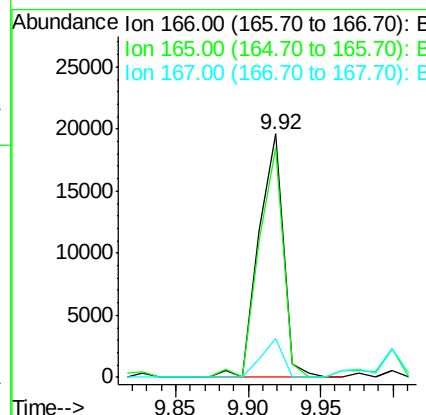
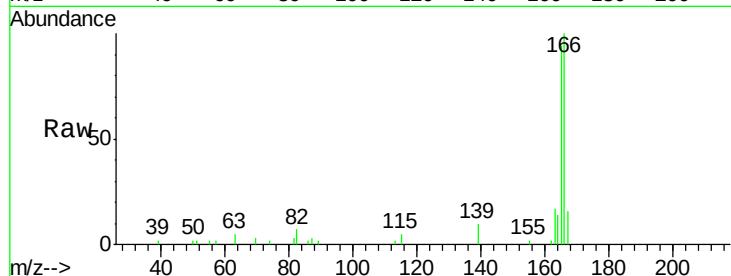
#57
 Fluorene
 Concen: 3.75 ng
 RT: 9.92 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	22878		
165	94.2	72.6	109.0	
167	15.7	10.6	16.0	

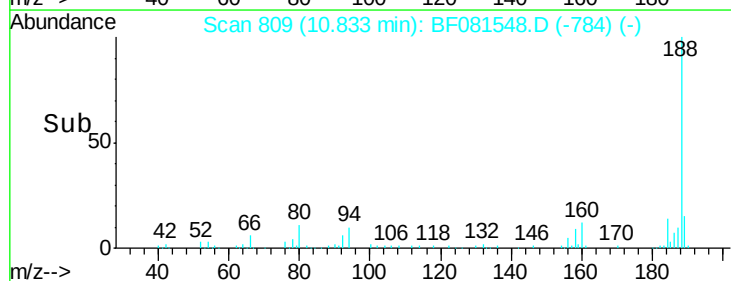
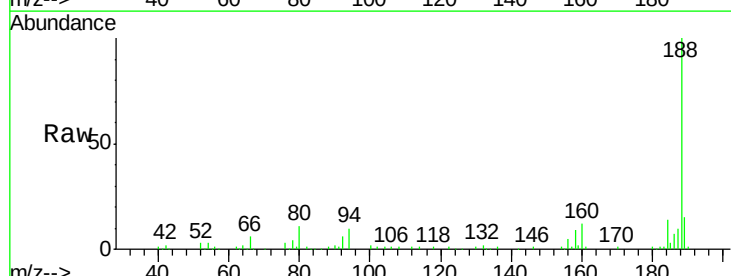
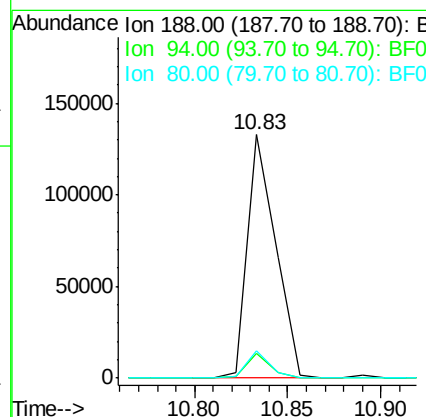
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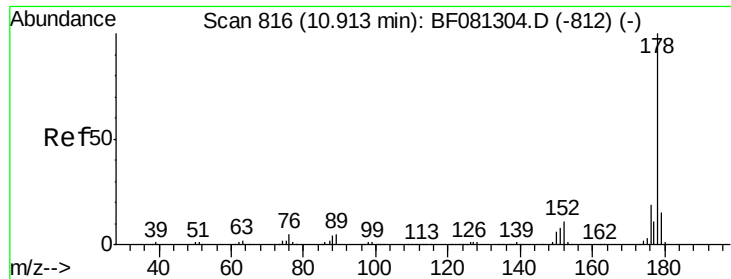
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	139812		
94	10.0	11.1	16.7#	
80	11.4	11.0	16.4	





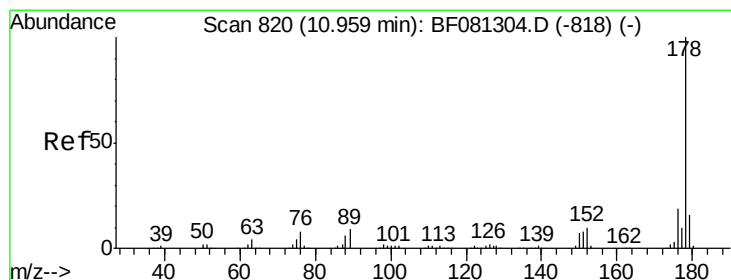
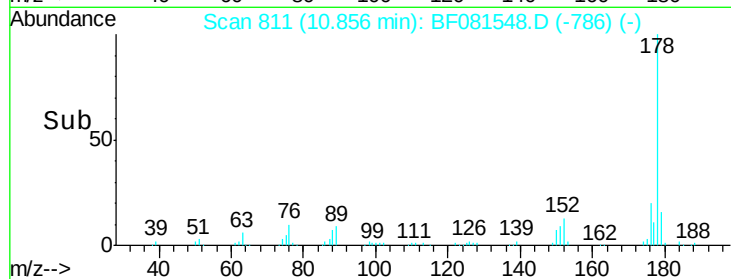
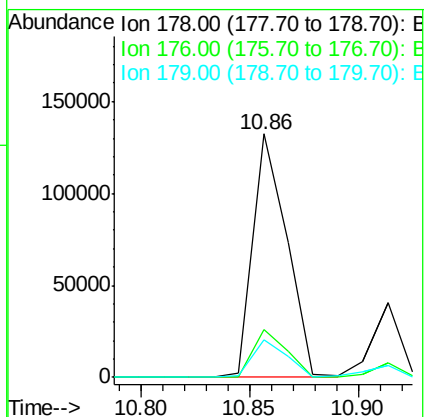
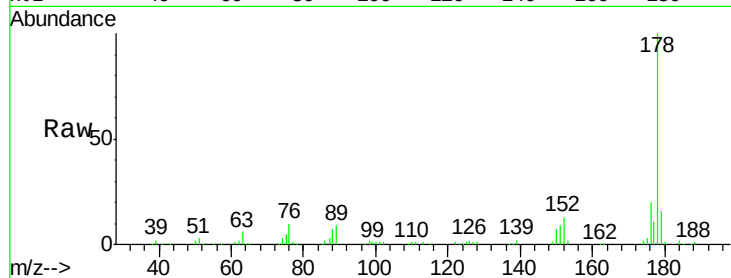
#70
Phenanthrene
Concen: 18.54 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	144144		
176	19.5	13.8	20.8	
179	15.5	12.2	18.2	

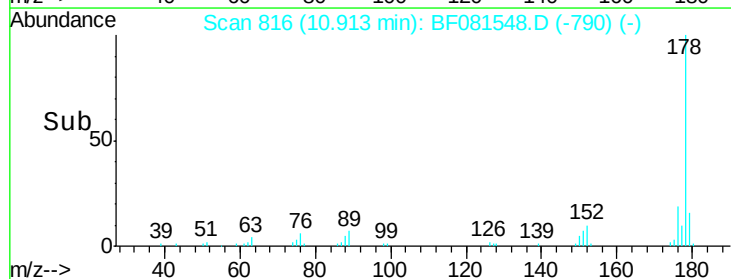
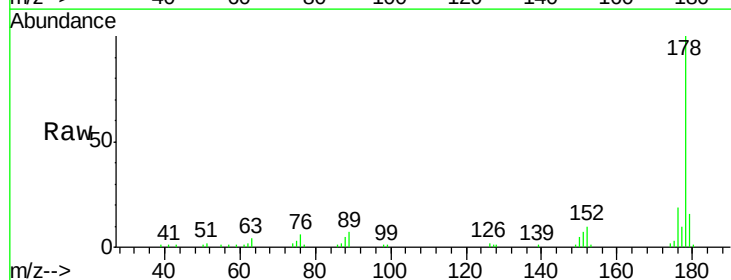
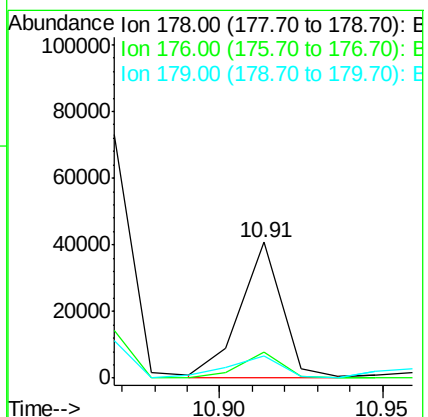
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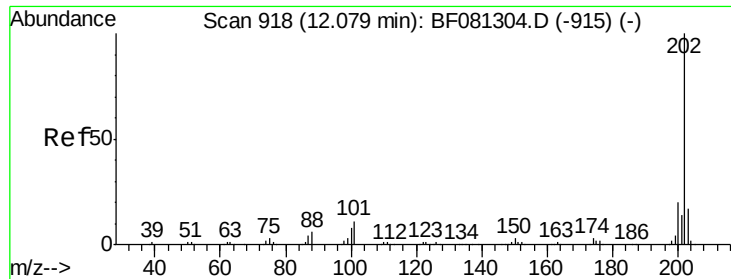
MMDadoda
9/9/2015 3:00:01 PM



#71
Anthracene
Concen: 4.56 ng
RT: 10.91 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	36389		
176	19.4	14.1	21.1	
179	16.3	12.2	18.2	





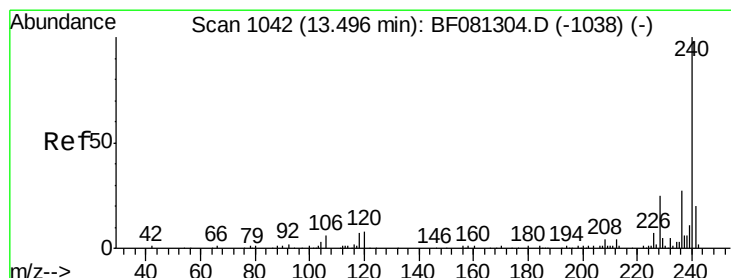
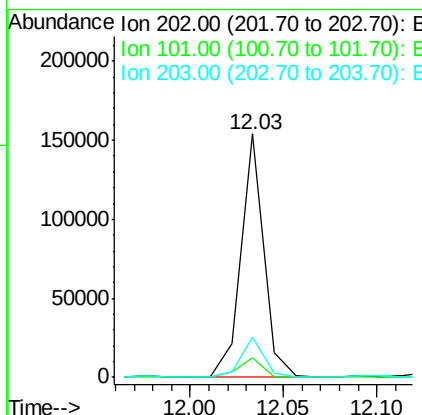
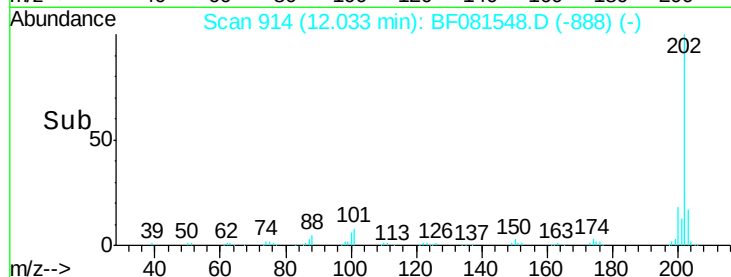
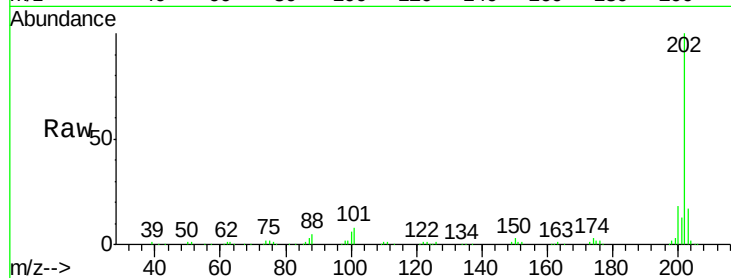
#74
 Fluoranthene
 Concen: 15.67 ng
 RT: 12.03 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	131828		
101	7.9	0.0	38.3	
203	16.6	0.0	37.3	

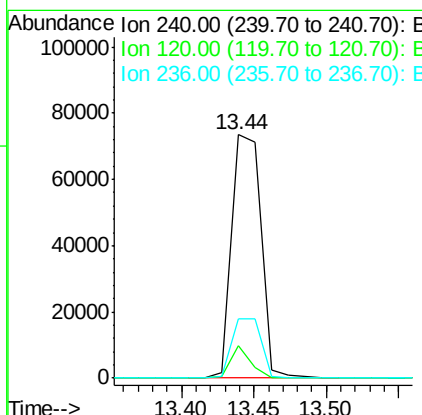
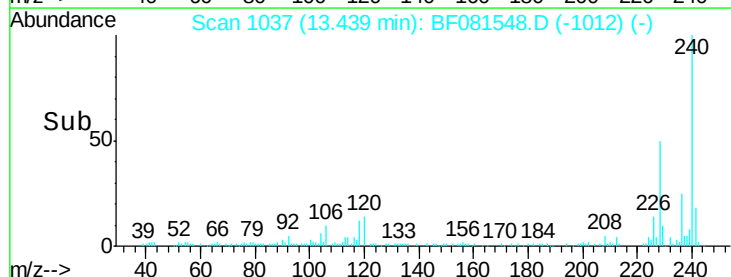
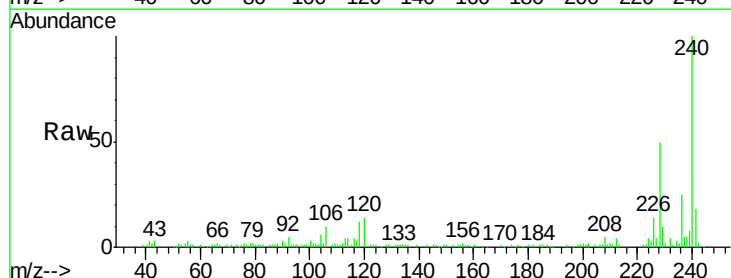
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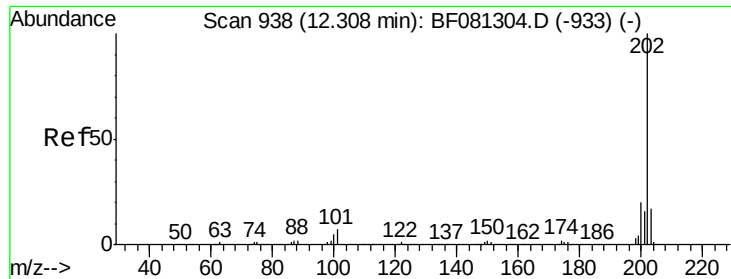
MMDadoda
 9/9/2015 3:00:01 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.44 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	103008		
120	13.6	16.2	24.2#	
236	24.6	18.4	27.6	





#77

Pyrene

Concen: 17.35 ng m

RT: 12.25 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF081548.D

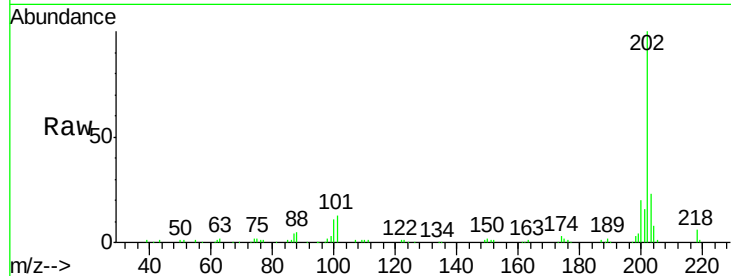
Acq: 9 Sep 2015 6:13

Instrument :

BNA_F

ClientSampleId :

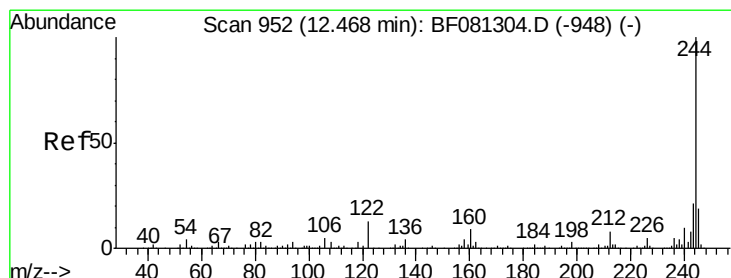
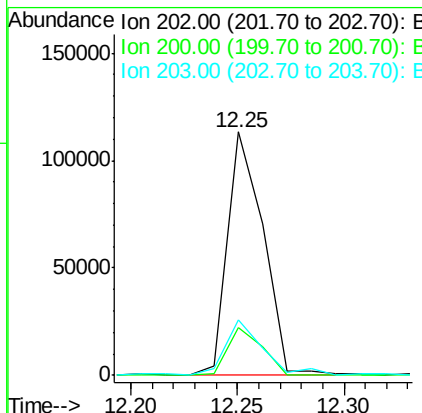
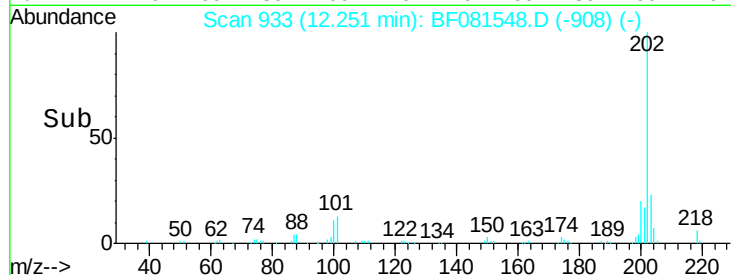
MGP212BR-10-13



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	15.0	22.4	
203	22.9	14.1	21.1#	

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#78

Terphenyl-d14

Concen: 65.48 ng

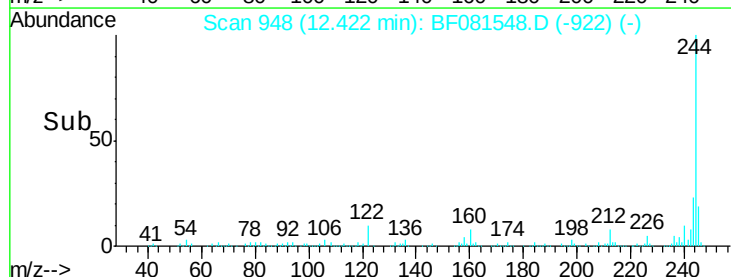
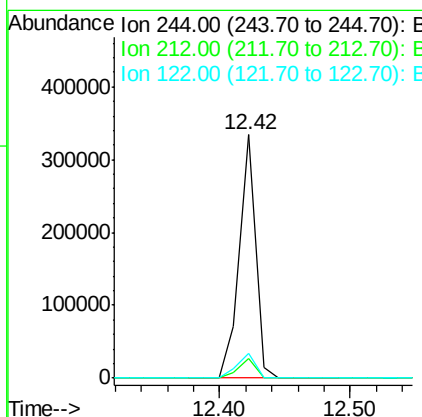
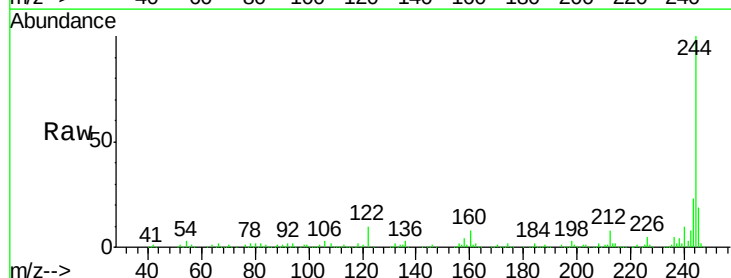
RT: 12.42 min Scan# 948

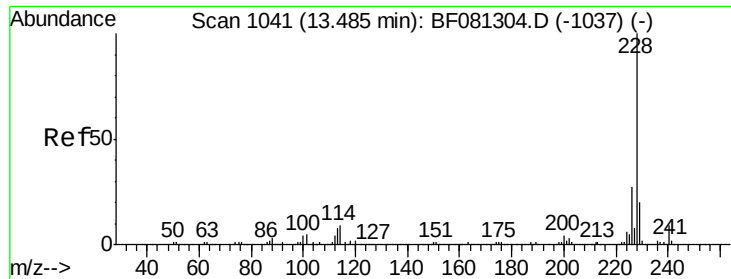
Delta R.T. -0.00 min

Lab File: BF081548.D

Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	4.3	6.5#	
122	10.1	17.4	26.2#	





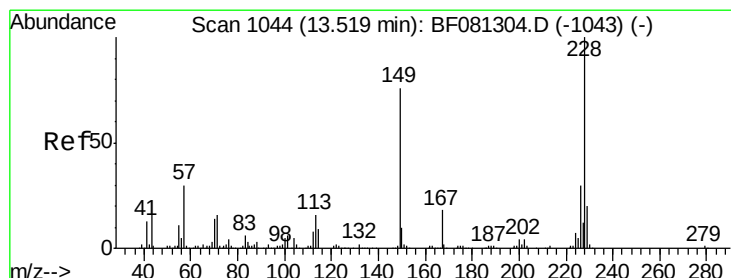
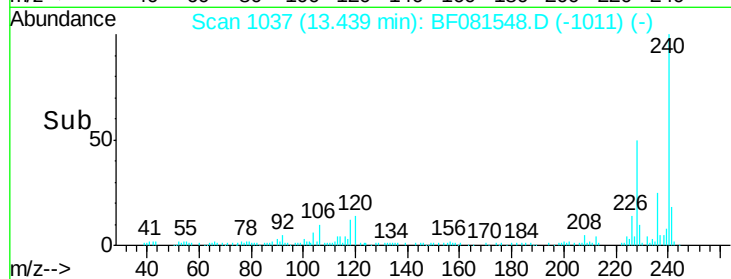
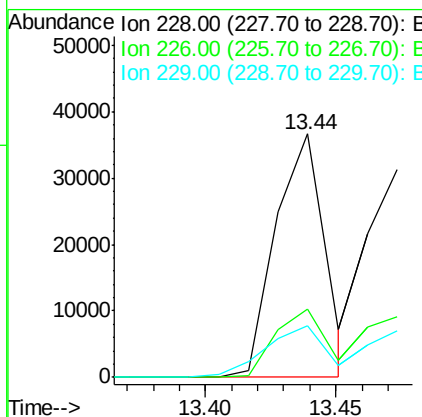
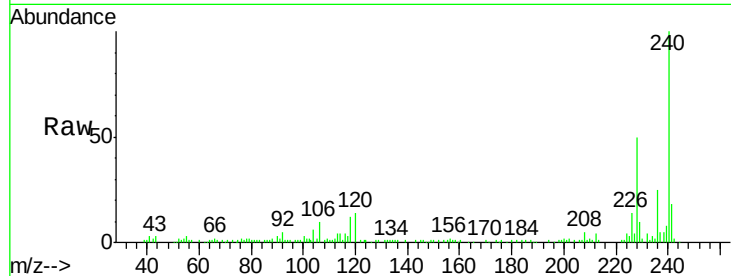
#80
Benzo(a)anthracene
Concen: 7.31 ng
RT: 13.44 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	47945		
226	28.0	20.0	30.0	
229	21.0	15.4	23.2	

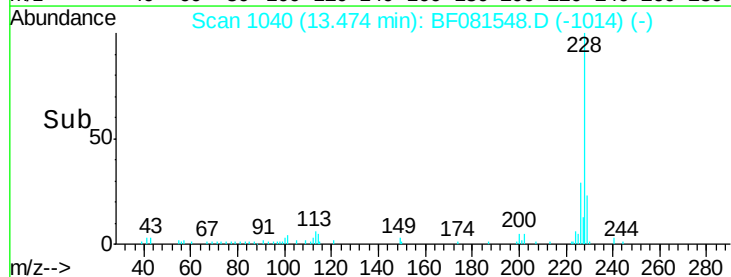
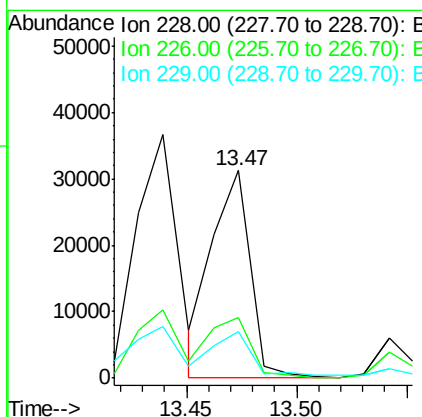
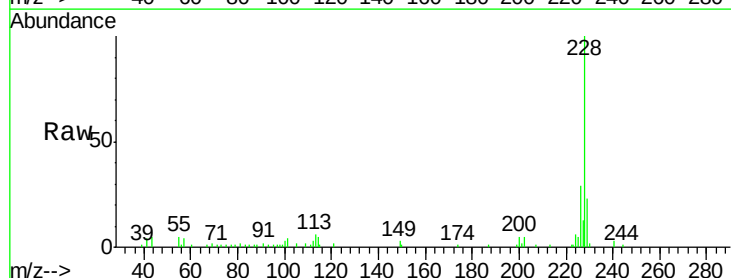
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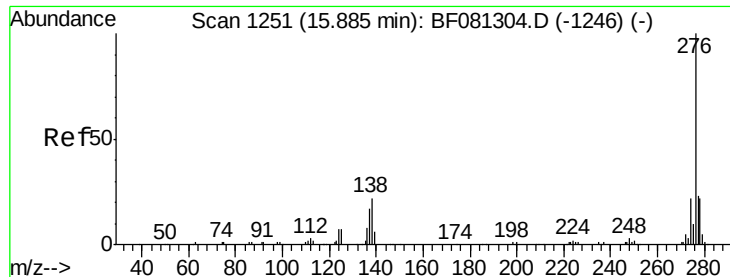
MMDadoda
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#82
Chrysene
Concen: 6.50 ng m
RT: 13.47 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	38244		
226	29.3	21.0	31.4	
229	22.6	15.6	23.4	





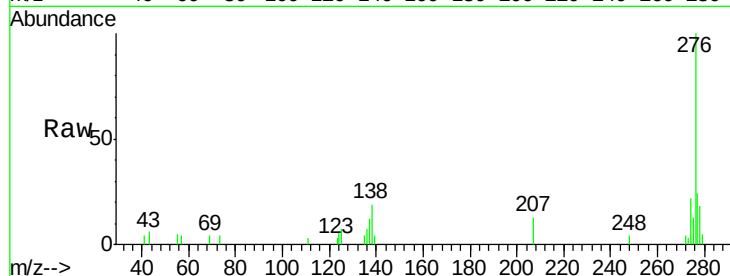
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.10 ng
 RT: 15.82 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 MGP212BR-10-13

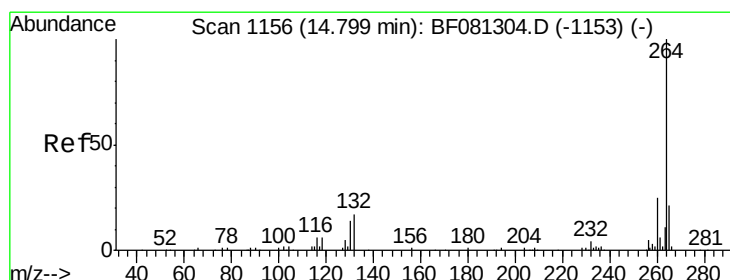
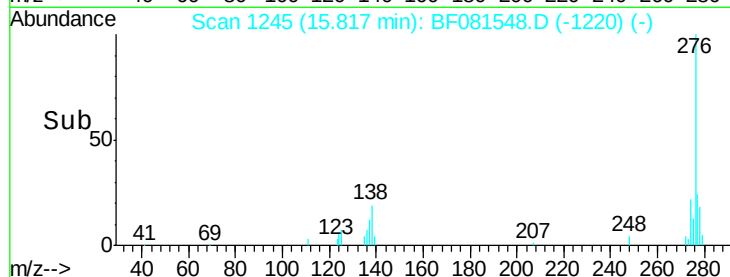
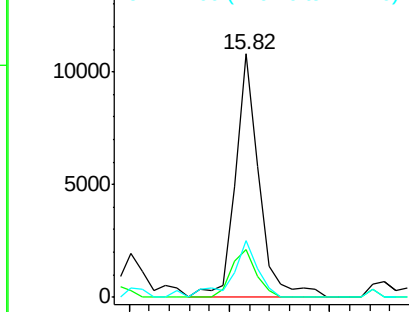
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.7	25.7	38.5#
277	26.2	15.6	23.4#

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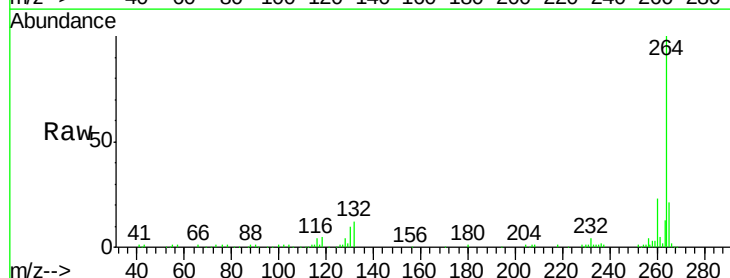


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

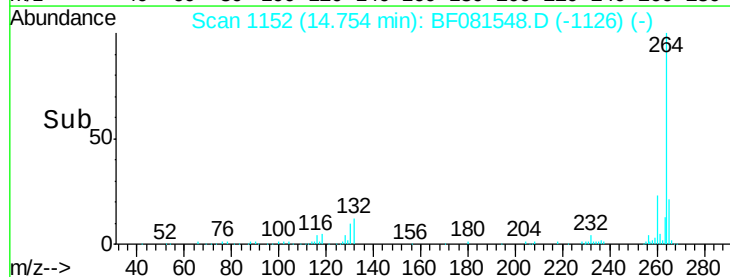
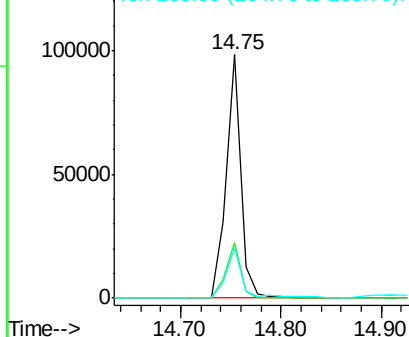


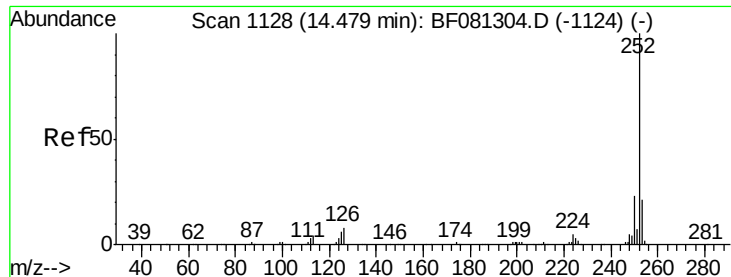
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.75 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF081548.D
 Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	22.9	16.7	25.1
265	20.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.50 ng m

RT: 14.42 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF081548.D

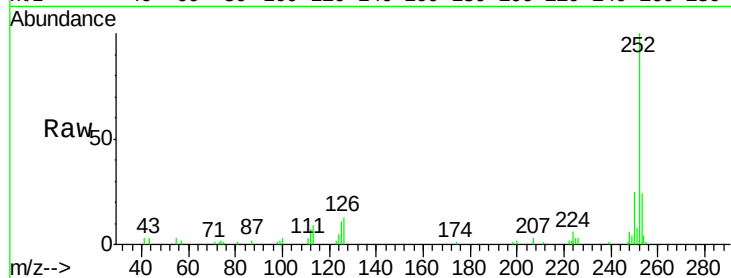
Acq: 9 Sep 2015 6:13

Instrument :

BNA_F

ClientSampleId :

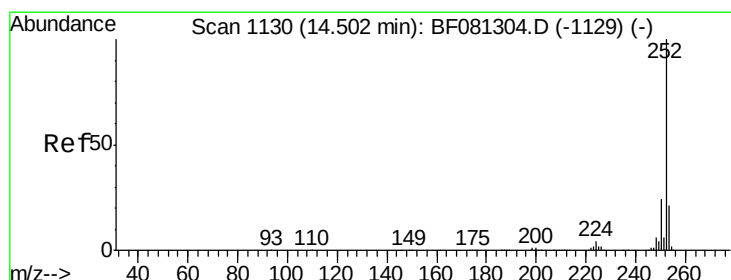
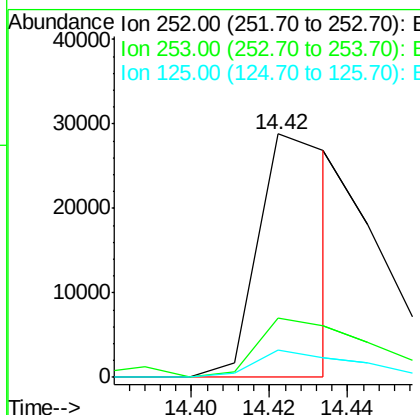
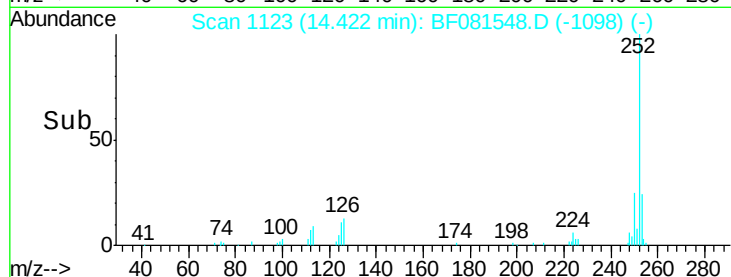
MGP212BR-10-13



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	39382		
253	24.4	17.5	26.3	
125	11.5	17.1	25.7#	

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#88

Benzo(k)fluoranthene

Concen: 3.10 ng m

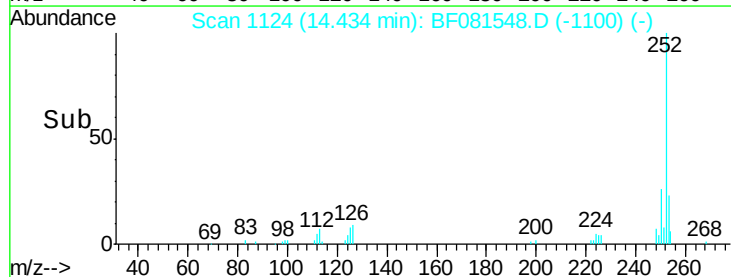
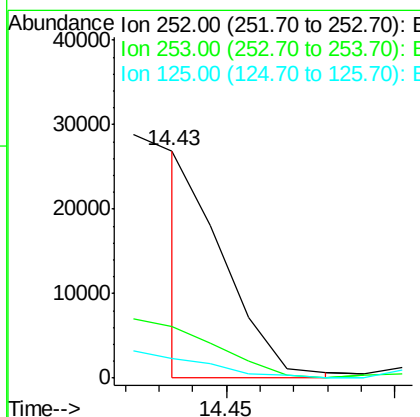
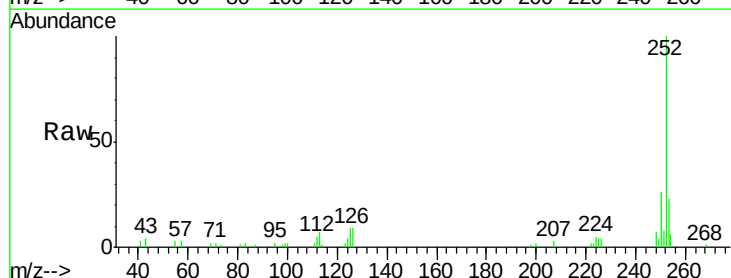
RT: 14.43 min Scan# 1124

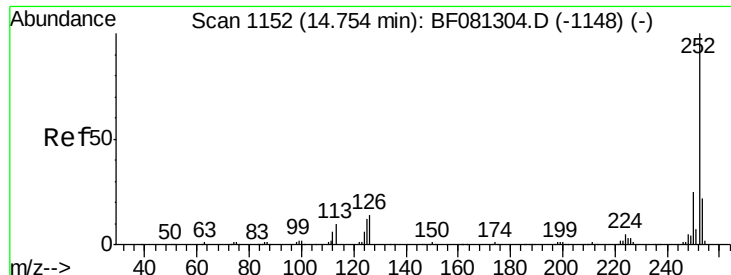
Delta R.T. -0.02 min

Lab File: BF081548.D

Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	18420		
253	22.8	17.0	25.4	
125	8.7	16.0	24.0#	





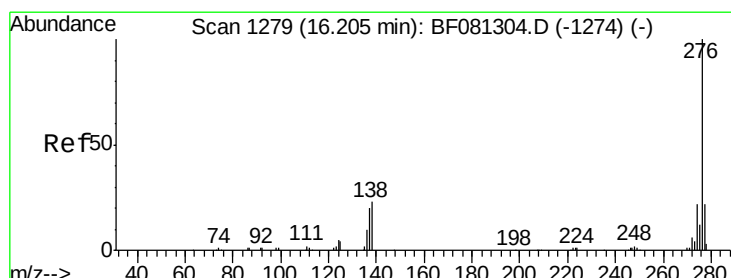
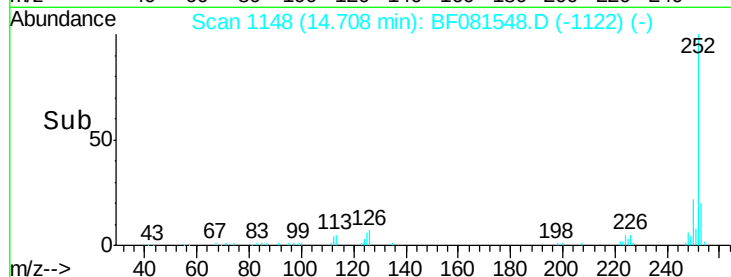
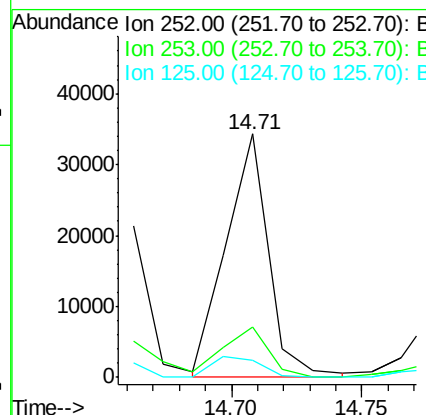
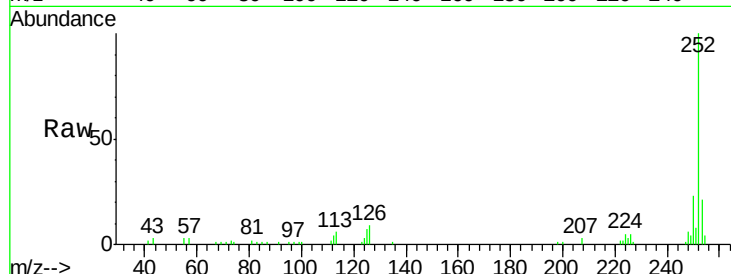
#89
Benzo(a)pyrene
Concen: 6.46 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Instrument :
BNA_F
ClientSampleId :
MGP212BR-10-13

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	20.9	17.2	25.8
125	7.1	18.0	27.0#

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#91
Benzo(g,h,i)perylene
Concen: 3.54 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF081548.D
Acq: 9 Sep 2015 6:13

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.5	17.8	26.6
138	24.2	34.6	51.8#

