

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
 Data File : BF082249.D
 Acq On : 13 Oct 2015 8:01
 Operator : UM/IZ
 Sample : G3974-01DL2 200X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

Manual Integrations
 APPROVED

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Quant Time: Oct 13 08:30:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	60562m	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	277381	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	151001	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	285496	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	274802	20.00	ng	-0.01
86) Perylene-d12	15.44	264	226881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.49	99	480	0.12	ng	0.01
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	10.66	330	325	0.23	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2535	0.28	ng	-0.01
78) Terphenyl-d14	12.95	244	3404	0.33	ng	-0.01
Target Compounds						
31) Naphthalene	8.14	128	587703	48.88	ng	Qvalue 100
37) 2-Methylnaphthalene	8.83	142	41119	4.93	ng	99
48) Acenaphthylene	9.74	152	44335	3.14	ng	97
51) Acenaphthene	9.91	154	73016	8.61	ng	100
54) Dibenzofuran	10.08	168	44458	3.82	ng	94
57) Fluorene	10.42	166	187055	19.57	ng	99
70) Phenanthrene	11.38	178	722846	51.65	ng	99
71) Anthracene	11.44	178	246385	17.09	ng	98
74) Fluoranthene	12.57	202	349678	23.27	ng	97
77) Pyrene	12.80	202	420776	25.80	ng	99
80) Benzo(a)anthracene	13.99	228	145195	10.15	ng	97
82) Chrysene	14.02	228	111872	7.43	ng	99
85) Indeno(1,2,3-cd)pyrene	16.84	276	37198	3.11	ng	94
87) Benzo(b)fluoranthene	15.03	252	85744m	6.21	ng	
88) Benzo(k)fluoranthene	15.04	252	30830m	2.66	ng	
89) Benzo(a)pyrene	15.37	252	67275	5.67	ng	99
91) Benzo(a,h,i)perylene	17.26	276	36004	3.81	ng	96

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

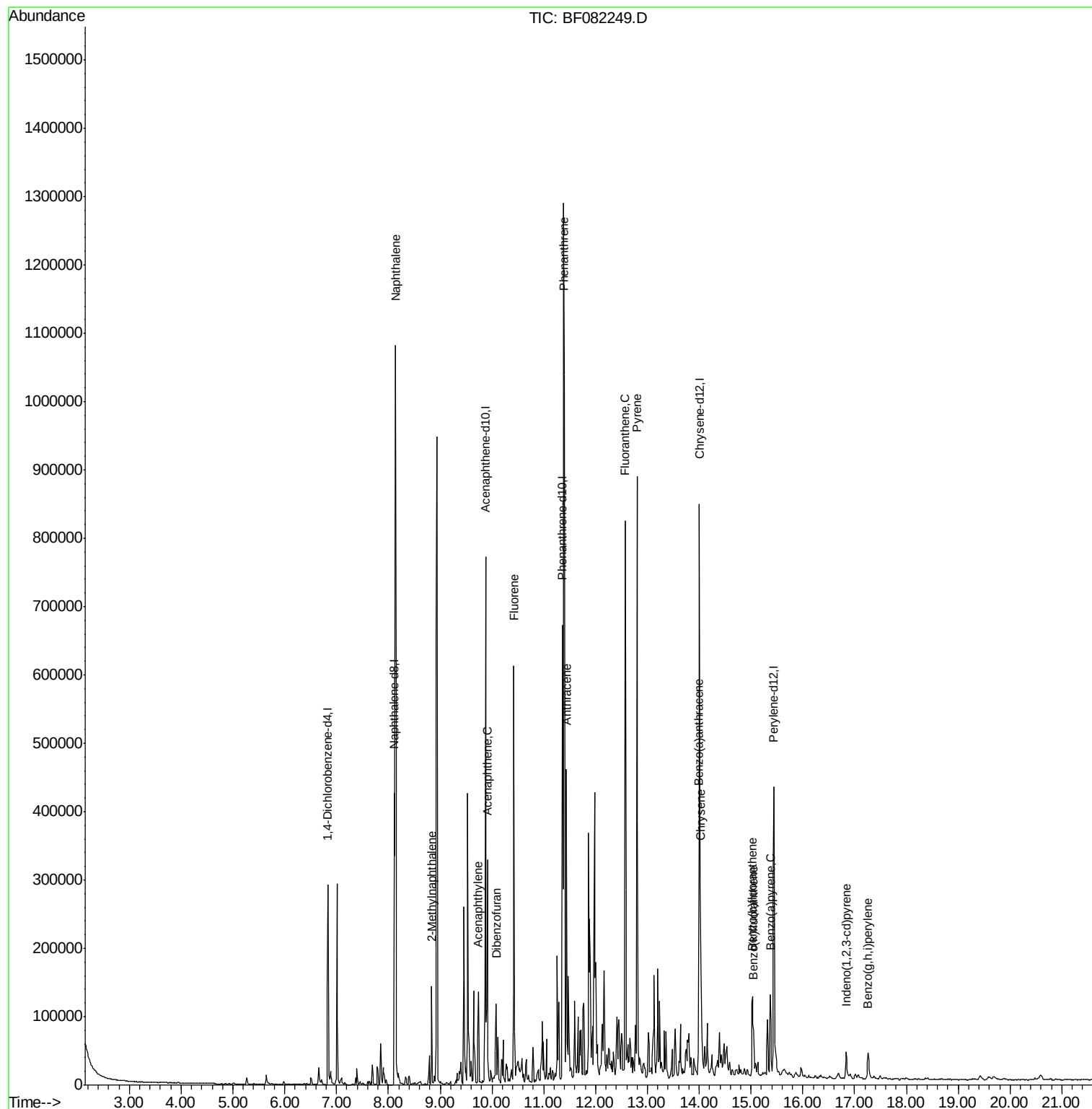
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082249.D
Acq On : 13 Oct 2015 8:01
Operator : UM/IZ
Sample : G3974-01DL2 200X
Misc :
ALS Vial : 31 Sample Multiplier: 1

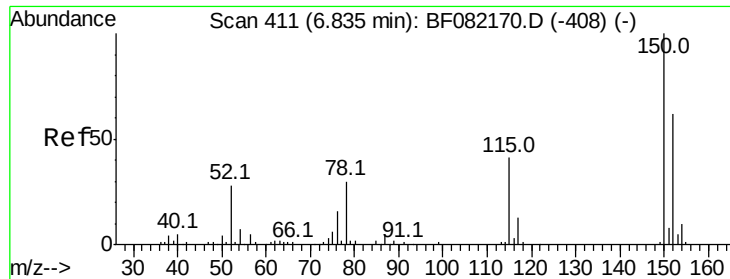
Instrument :
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#1

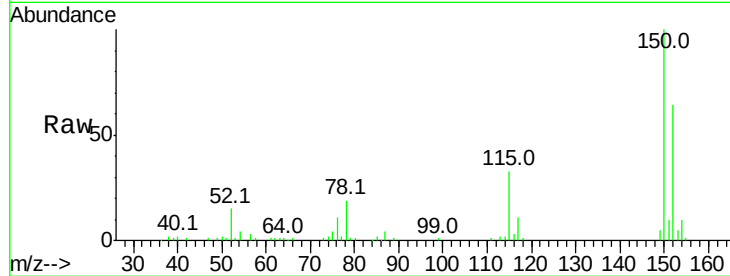
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.83 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	129.0	193.4
115	51.2	52.1	78.1#

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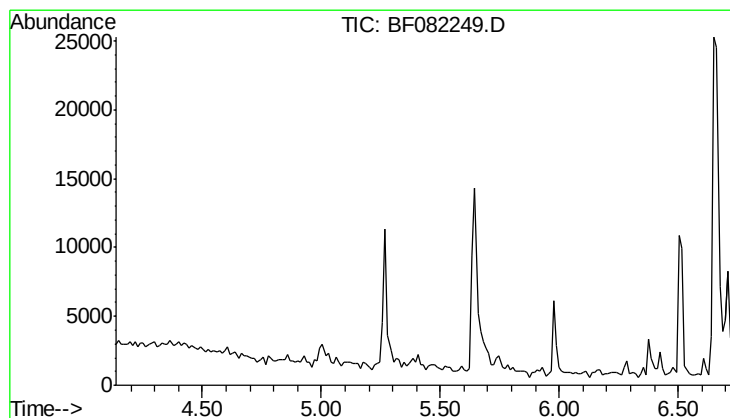
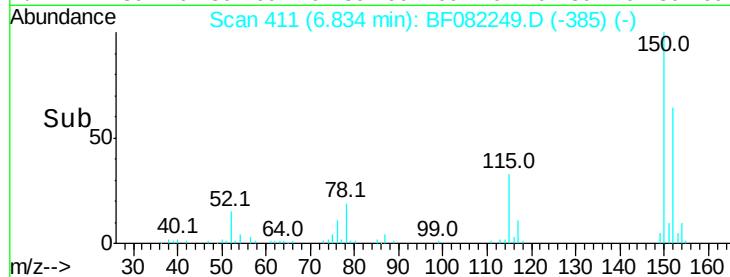
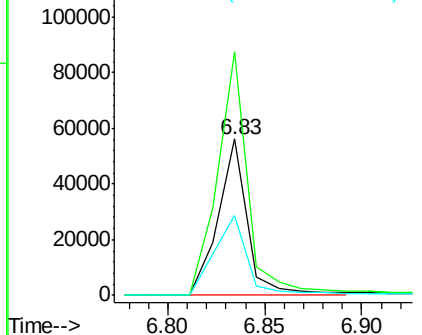


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

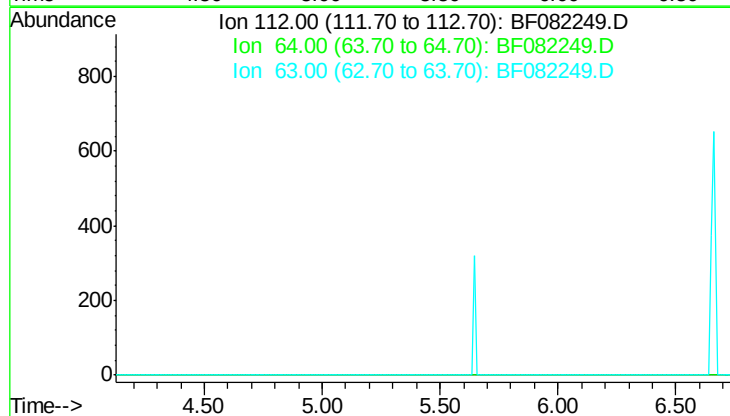


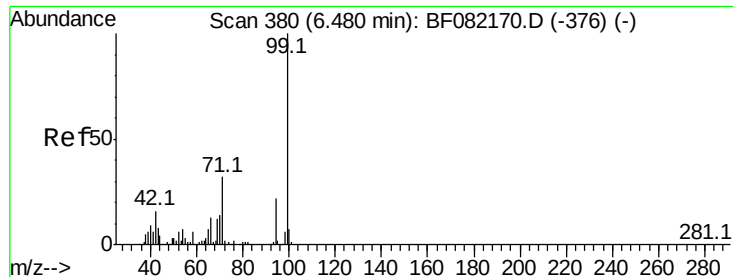
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.43 min

Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion	Exp Ratio
112	100
64	60.8
63	31.4





#7

Phenol-d6

Concen: 0.12 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Instrument :

BNA_F

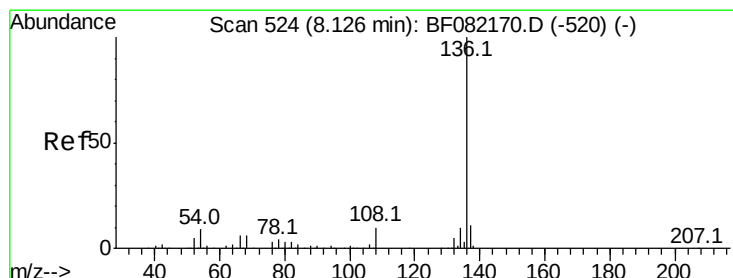
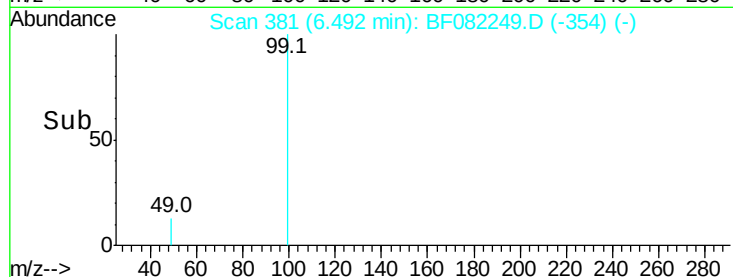
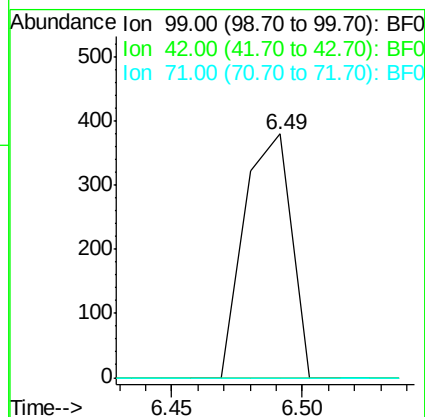
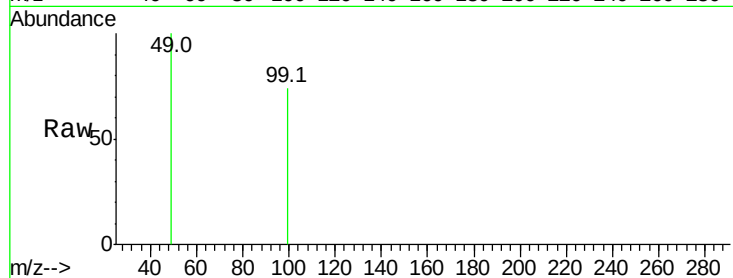
ClientSampleId :

MGP222BR-12-14DL2

Tot Ion:	99	Resp:	480
Ion Ratio	Lower	Upper	
99	100		
42	0.0	13.2	19.8#
71	0.0	25.6	38.4#

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#21

Naphthalene-d8

Concen: 20.00 ng

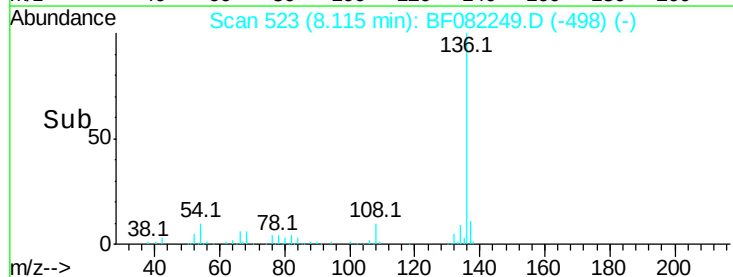
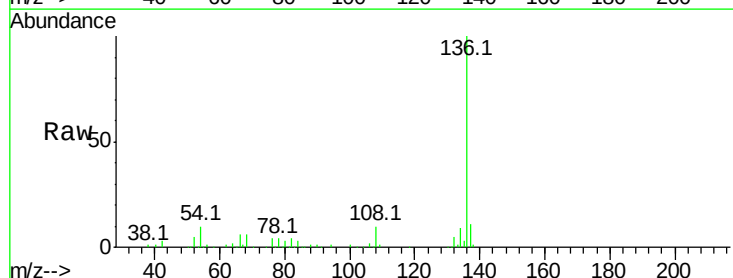
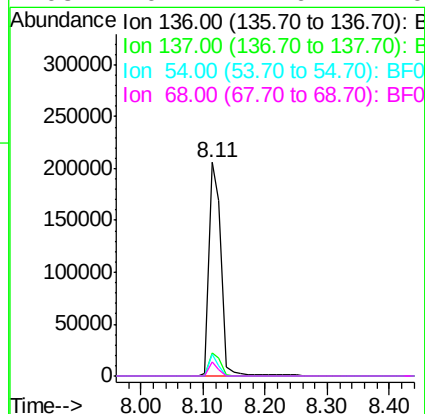
RT: 8.11 min Scan# 523

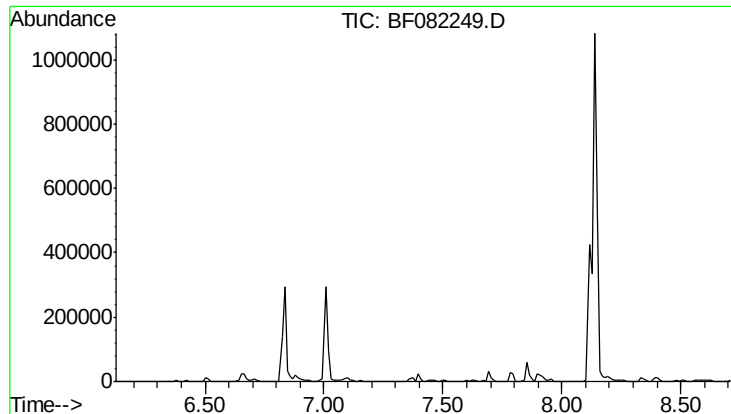
Delta R.T. -0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Tgt Ion:	136	Resp:	277381
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	10.4	7.5	11.3
68	6.4	4.6	7.0





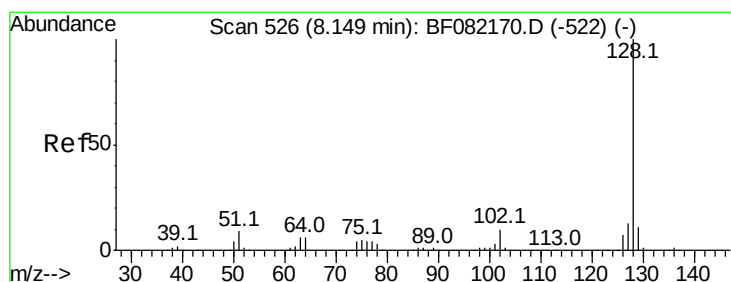
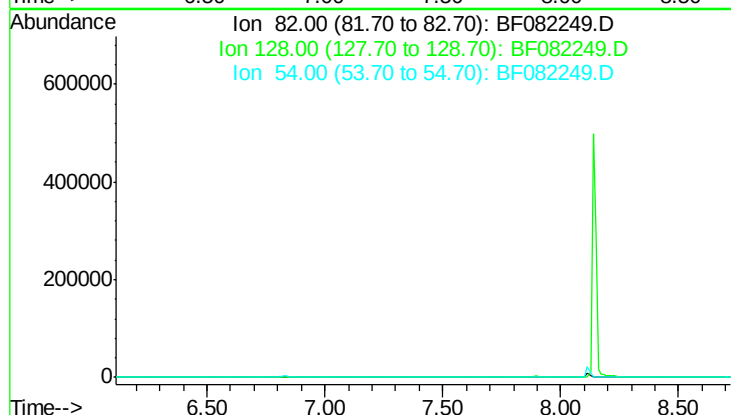
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

Manual Integrations
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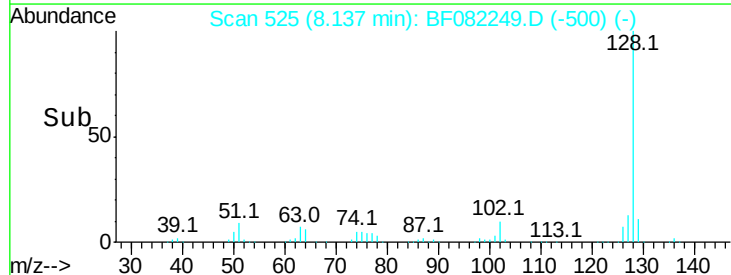
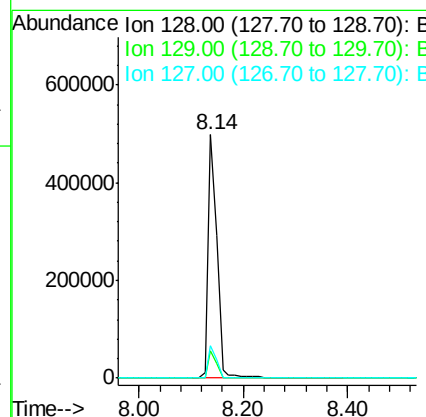
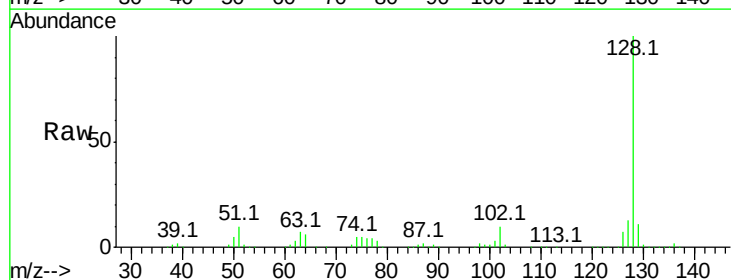
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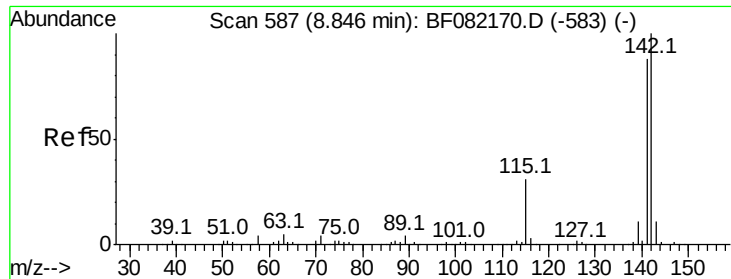
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1



#31
 Naphthalene
 Concen: 48.88 ng
 RT: 8.14 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Tgt Ion	128	Resp	587703
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.1	10.7	16.1





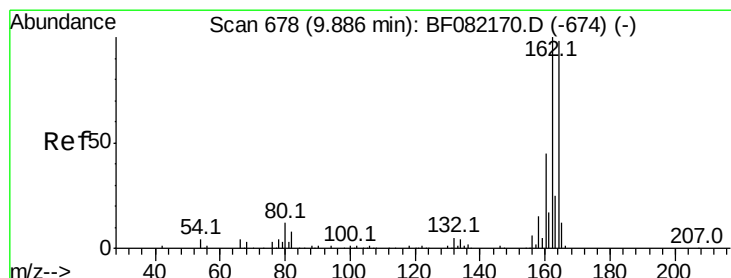
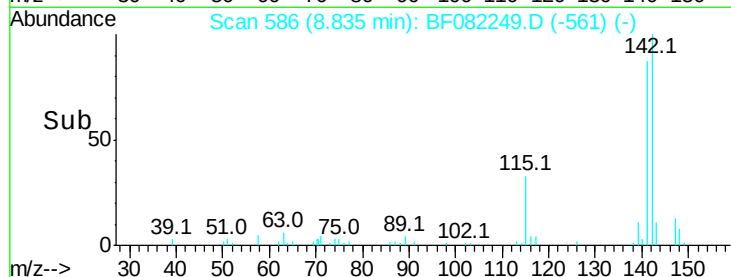
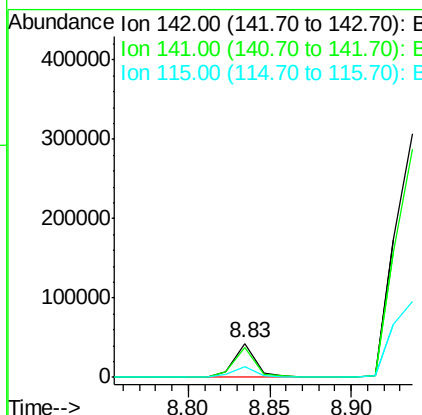
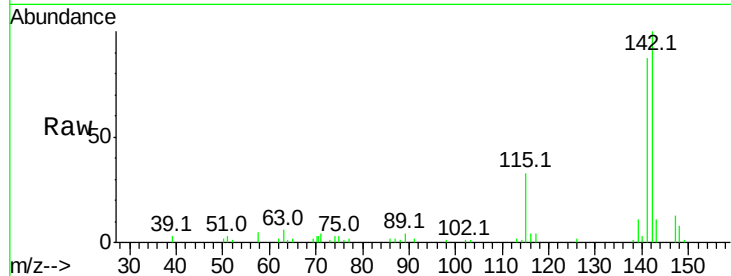
#37
2-Methylnaphthalene
Concen: 4.93 ng
RT: 8.83 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.4	105.6
115	32.7	24.6	37.0

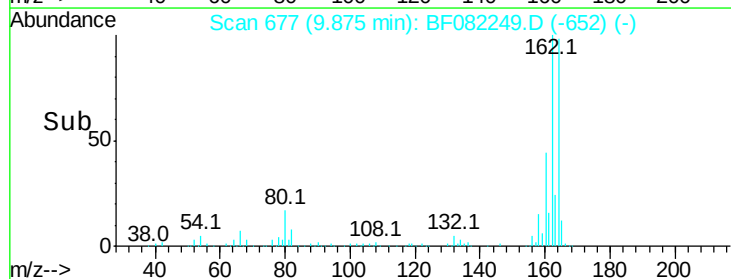
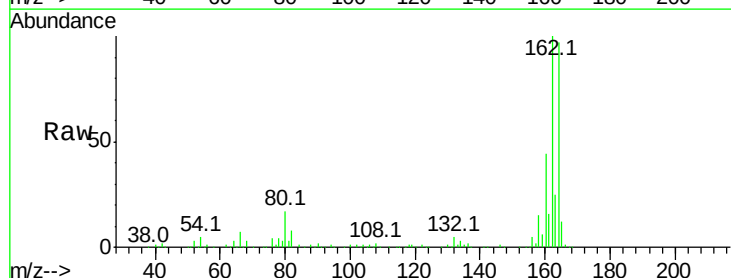
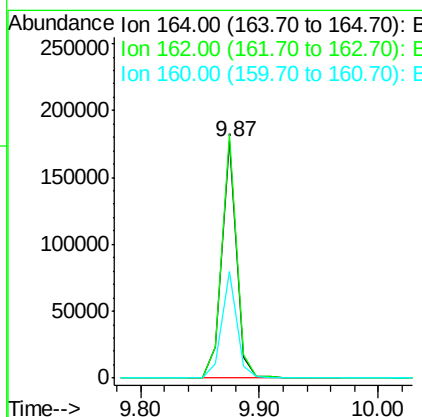
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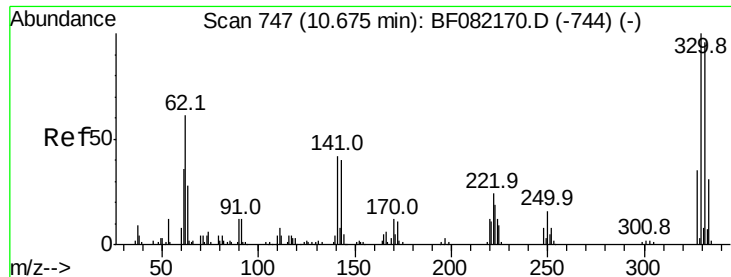
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.6	122.4
160	45.1	36.4	54.6





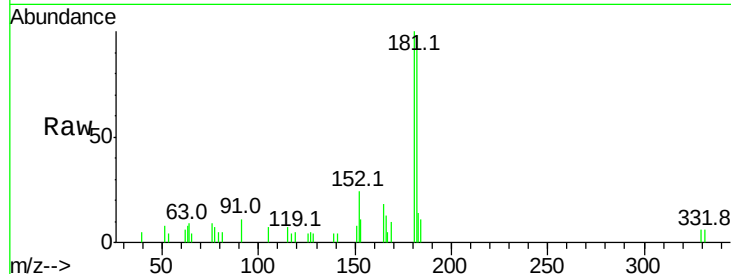
#41
 2,4,6-Tribromophenol
 Concen: 0.23 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

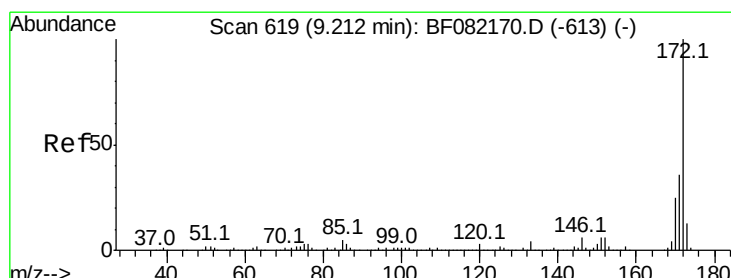
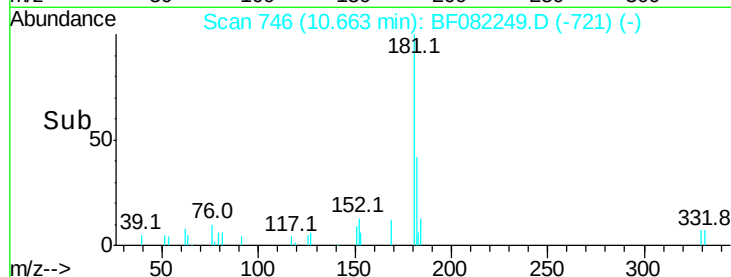
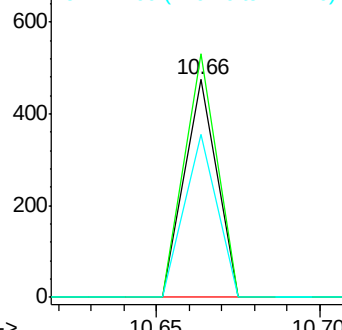
Tot Ion	Ratio	Lower	Upper
330	100		
332	112.0	77.1	115.7
141	74.8	29.8	44.8

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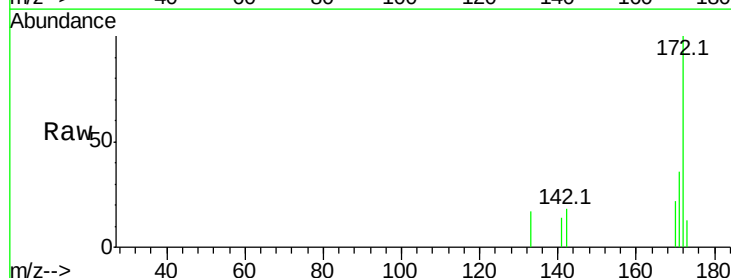


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

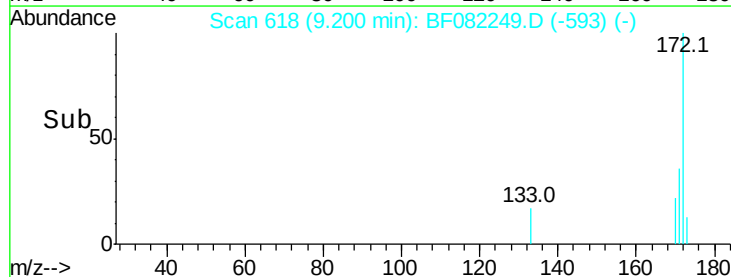
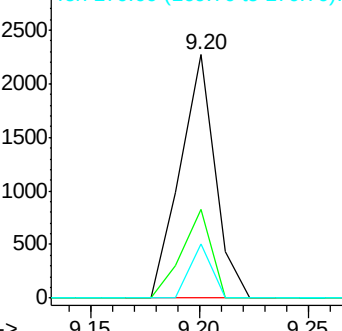


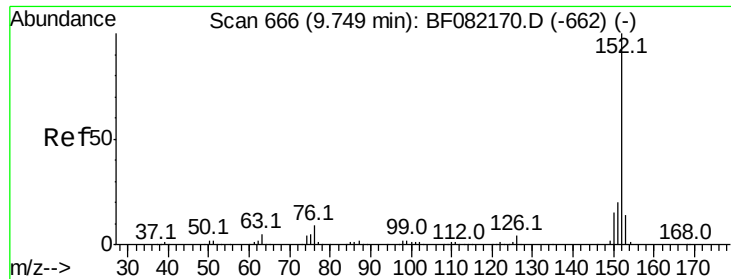
#44
 2-Fluorobiphenyl
 Concen: 0.28 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	22.2	19.7	29.5



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: 3.14 ng

RT: 9.74 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Instrument :

BNA_F

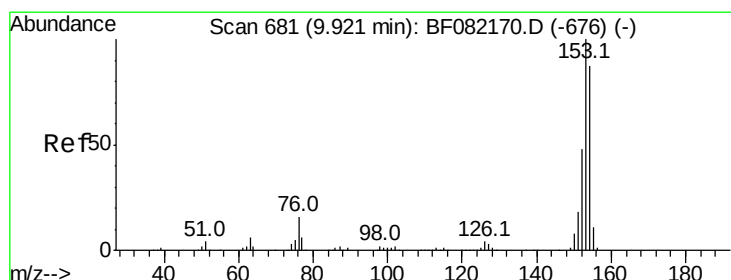
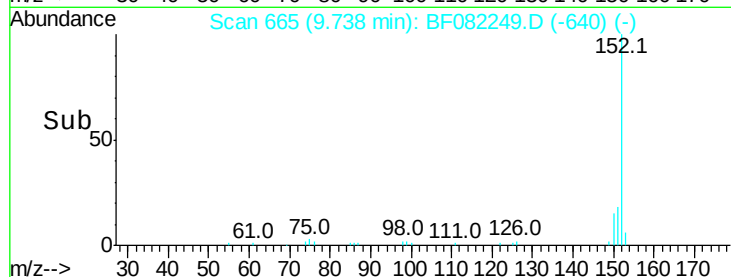
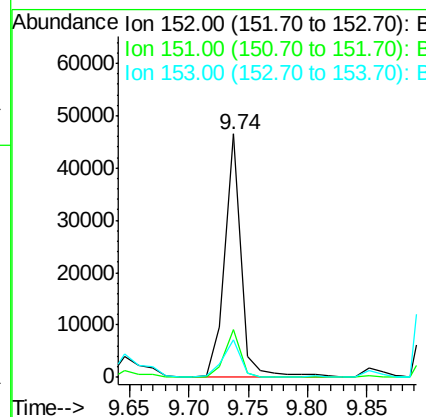
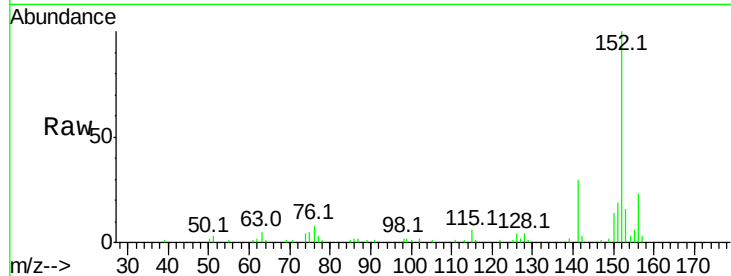
ClientSampleId :

MGP222BR-12-14DL2

Tot Ion:	152	Resp:	44335
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.4	24.6
153	15.6	10.8	16.2

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#51

Acenaphthene

Concen: 8.61 ng

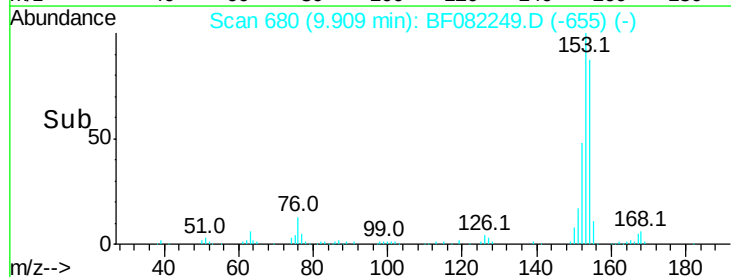
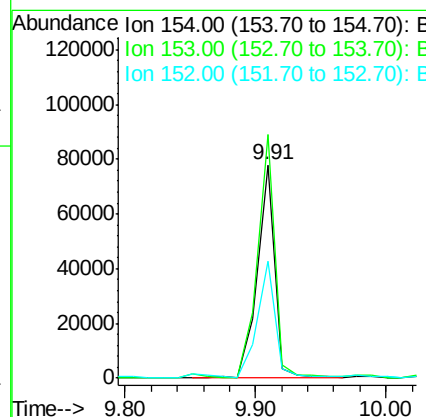
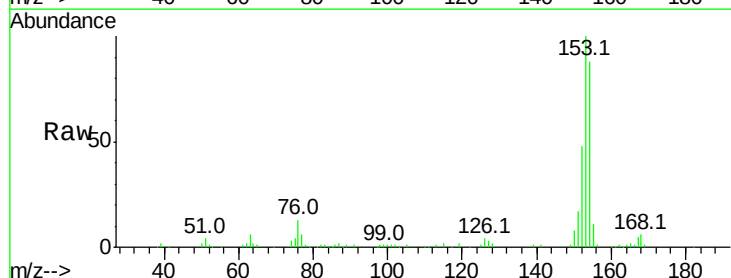
RT: 9.91 min Scan# 680

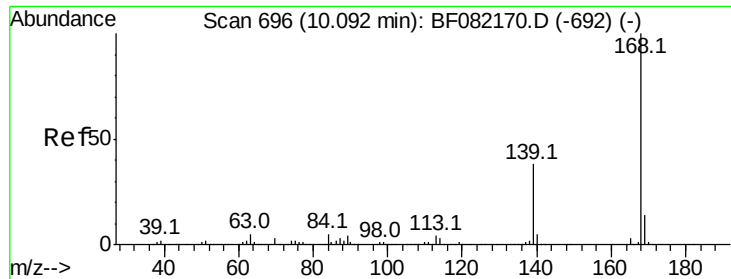
Delta R.T. -0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Tgt Ion:	154	Resp:	73016
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.4	137.2
152	54.7	44.3	66.5





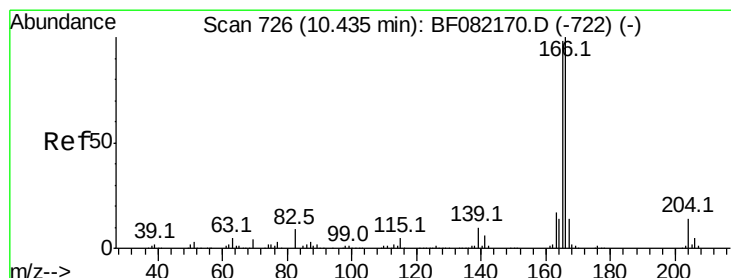
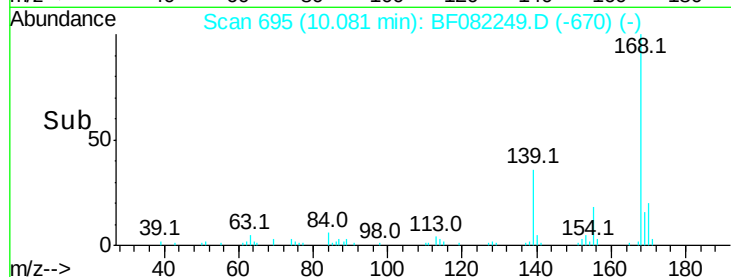
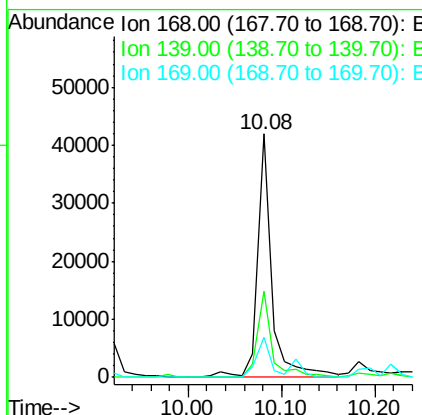
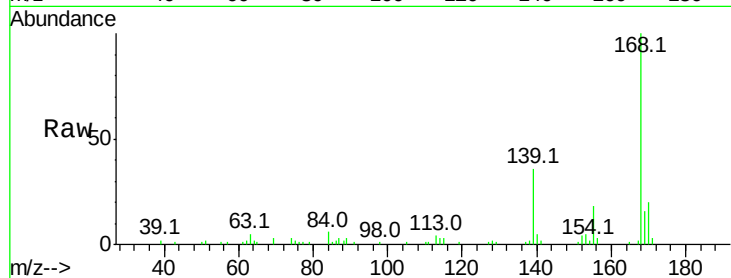
#54
Dibenzenofuran
Concen: 3.82 ng
RT: 10.08 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	35.5	31.0	46.6	
169	16.3	10.9	16.3	

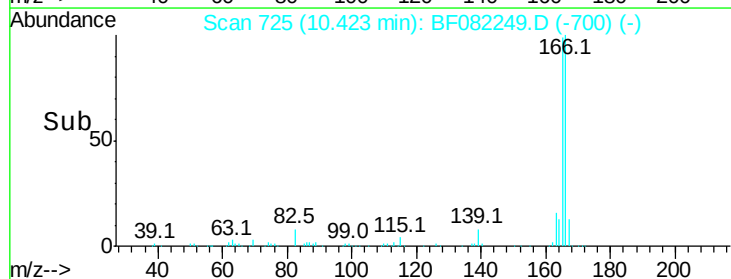
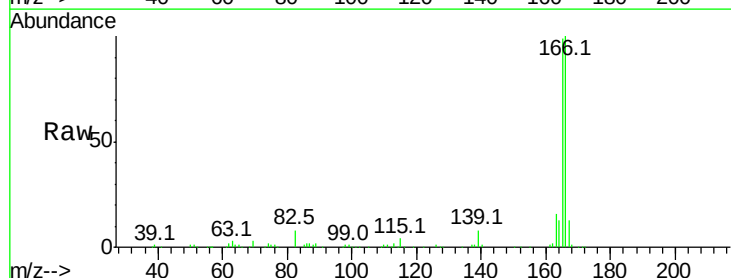
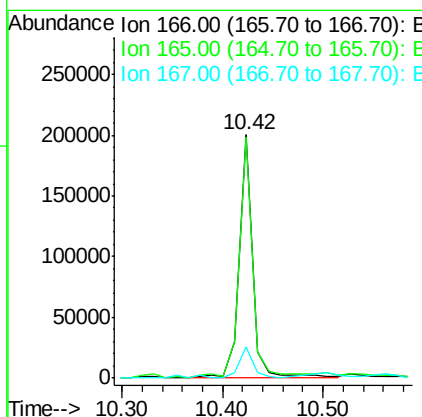
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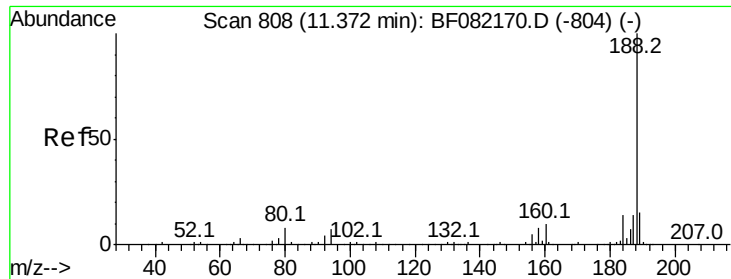
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#57
Fluorene
Concen: 19.57 ng
RT: 10.42 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.2	78.3	117.5	
167	12.9	10.8	16.2	





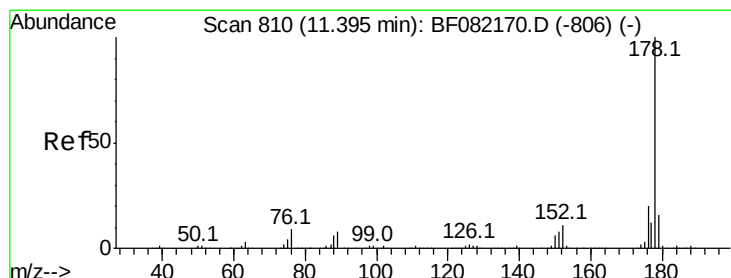
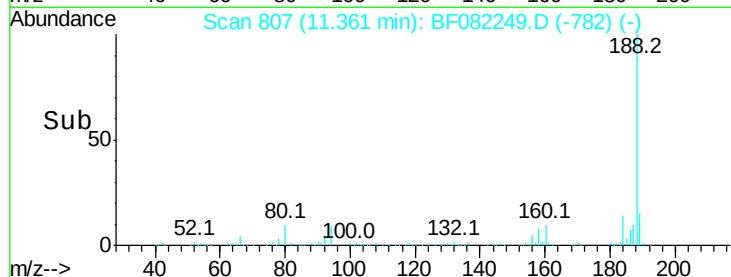
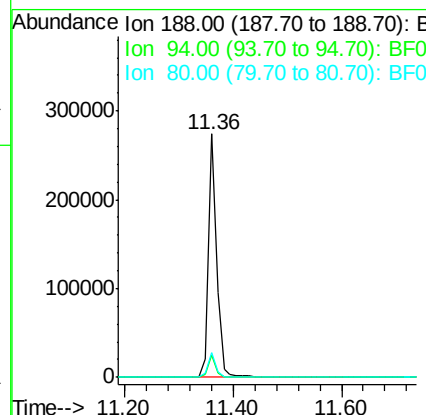
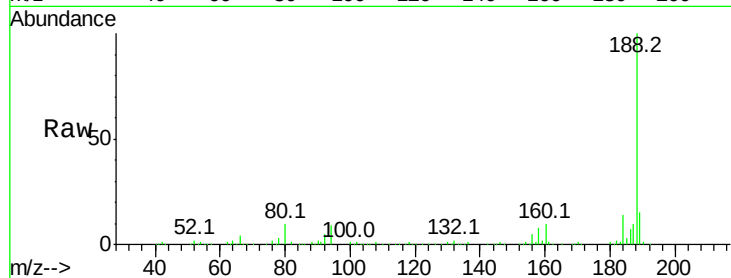
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	5.8	8.6#
80	10.3	6.4	9.6#

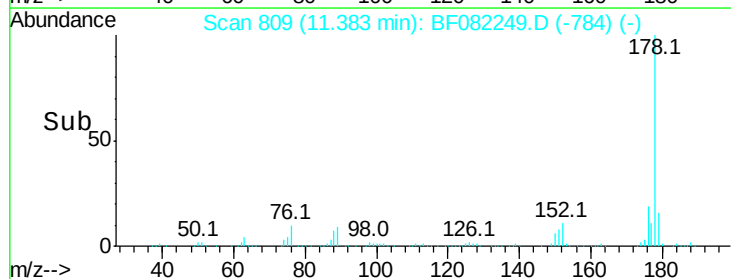
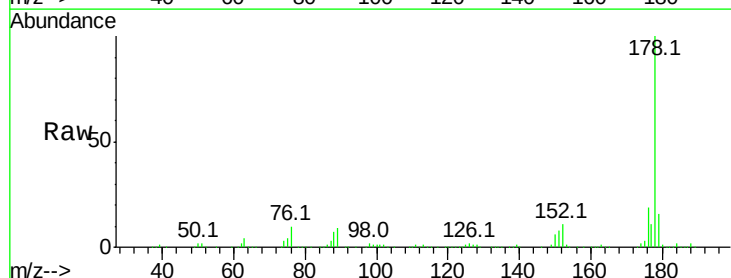
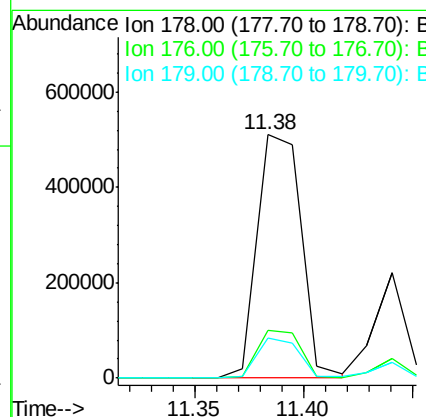
Manual Integrations
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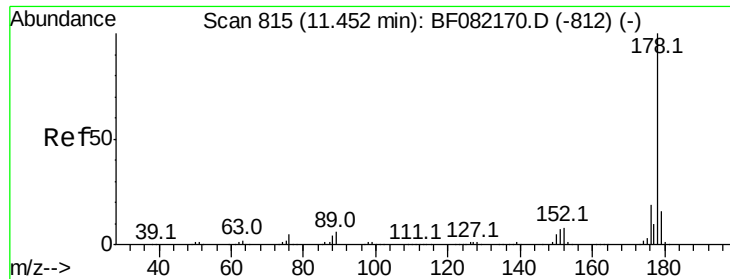
MMdadoda
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#70
 Phenanthrene
 Concen: 51.65 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	16.0	24.0
179	16.2	12.6	19.0





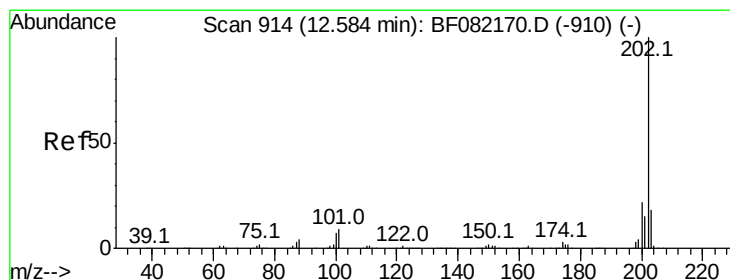
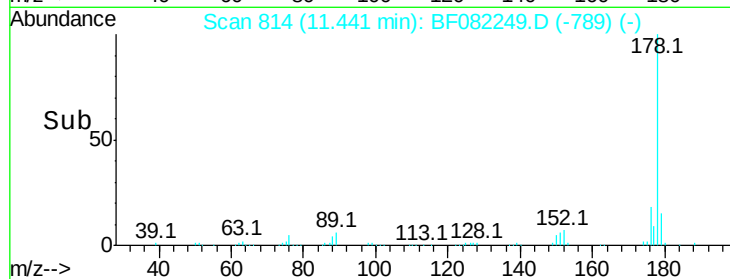
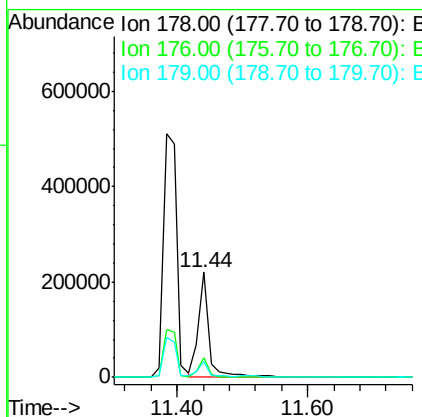
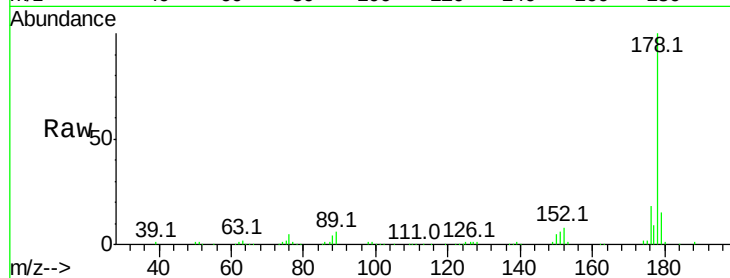
#71
 Anthracene
 Concen: 17.09 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.0	12.5	18.7

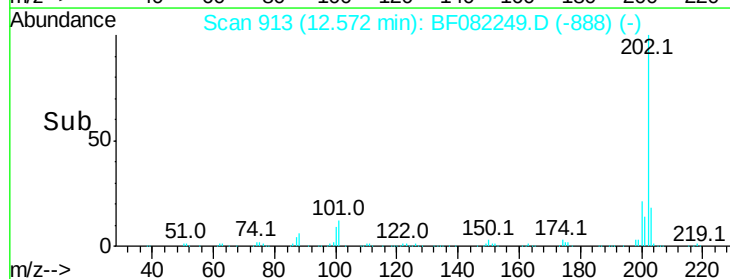
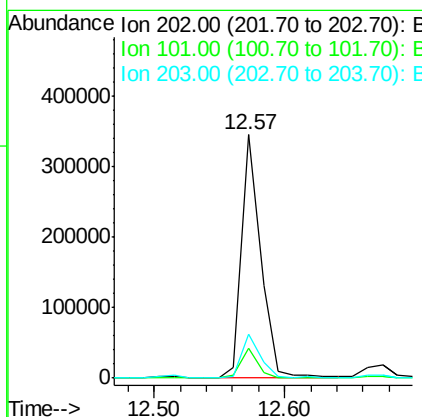
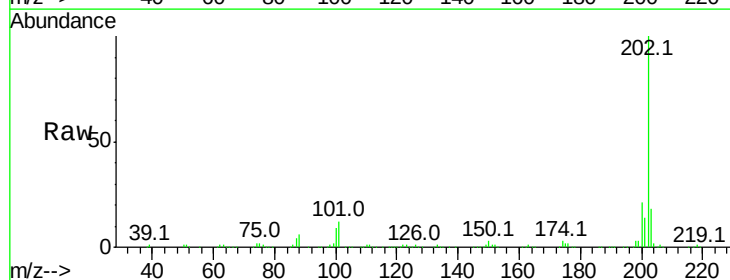
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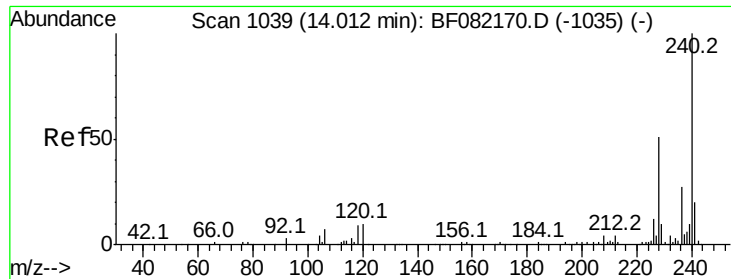
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#74
 Fluoranthene
 Concen: 23.27 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	29.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082249.D

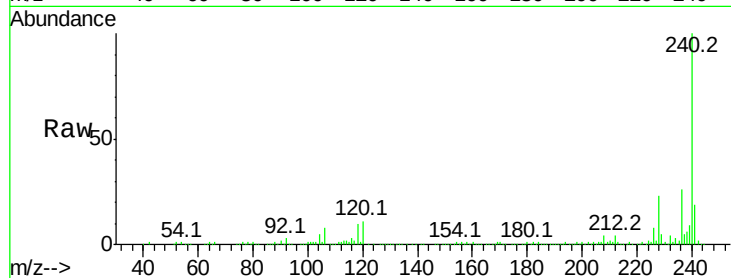
Acq: 13 Oct 2015 8:01

Instrument :

BNA_F

ClientSampleId :

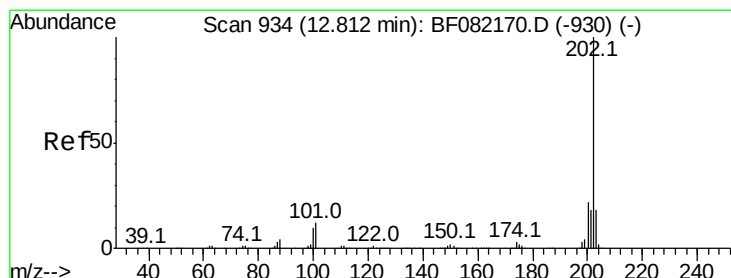
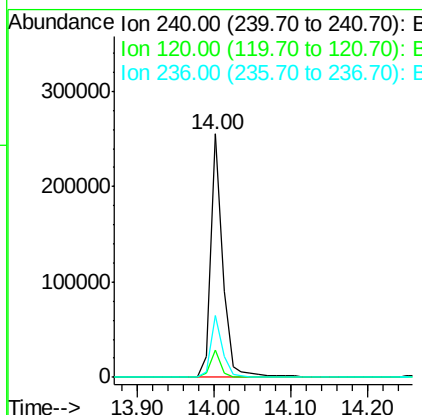
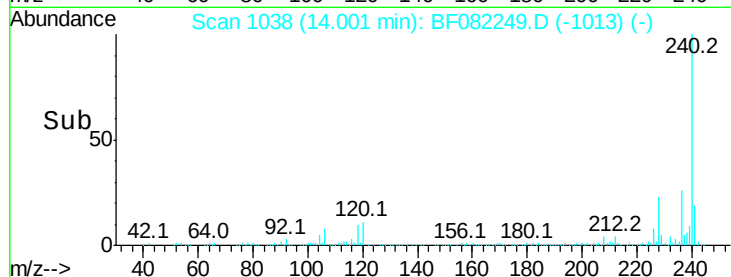
MGP222BR-12-14DL2



Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.1	12.1
236	25.6	21.3	31.9

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#77

Pyrene

Concen: 25.80 ng

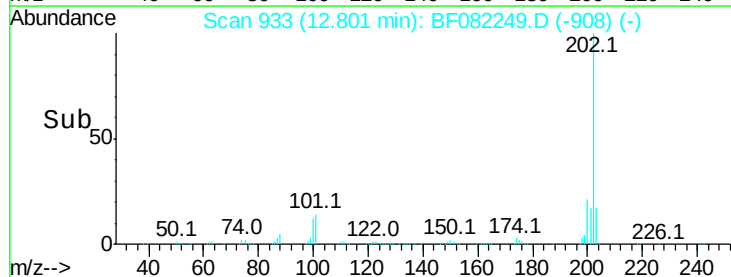
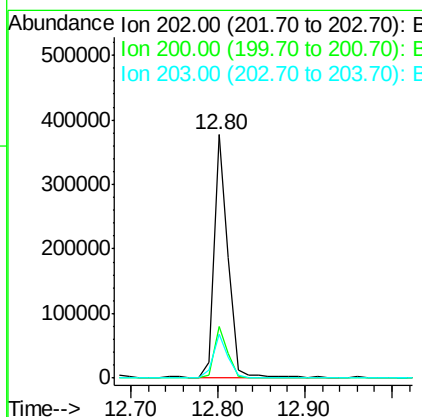
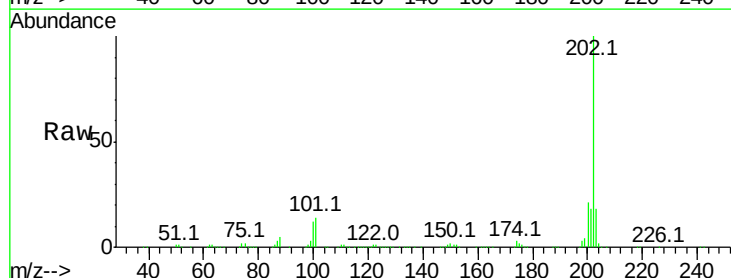
RT: 12.80 min Scan# 933

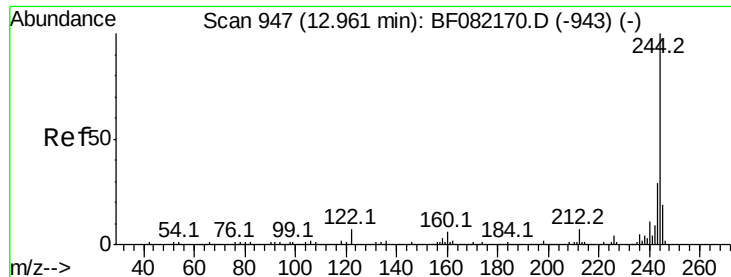
Delta R.T. -0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	18.1	14.5	21.7





#78

Terphenyl-d14

Concen: 0.33 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082249.D

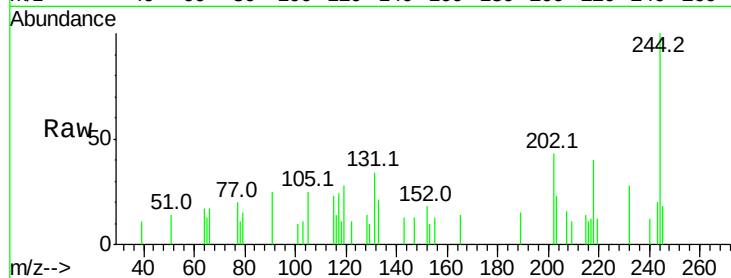
Acq: 13 Oct 2015 8:01

Instrument :

BNA_F

ClientSampleId :

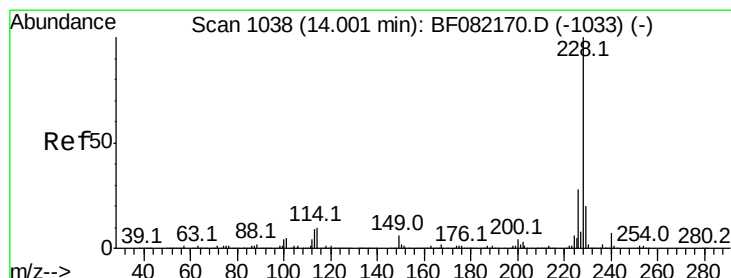
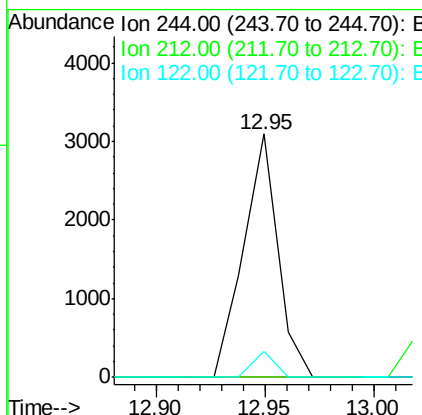
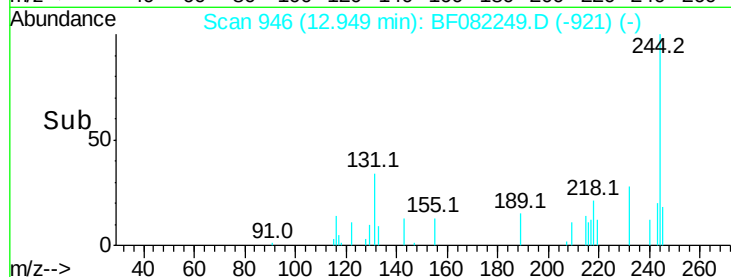
MGP222BR-12-14DL2



Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.8	8.6#
122	10.9	5.9	8.9#

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#80

Benzo(a)anthracene

Concen: 10.15 ng

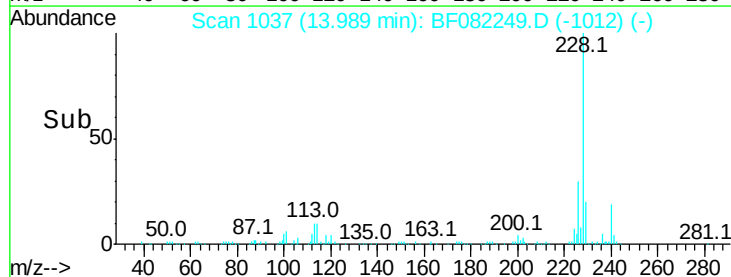
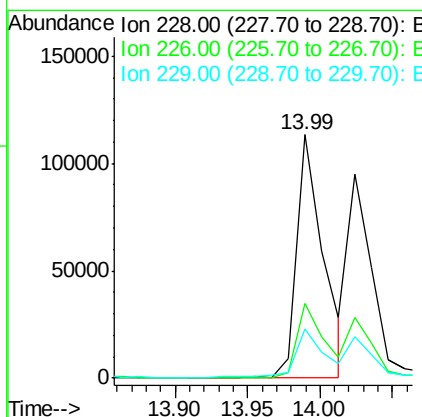
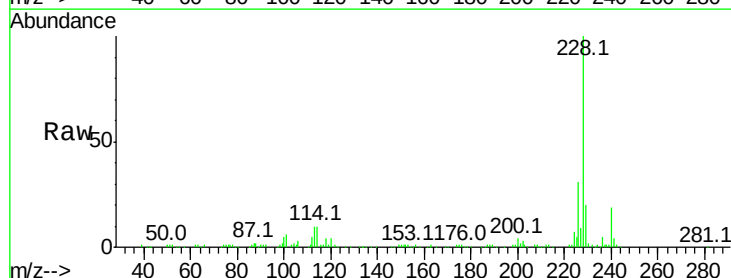
RT: 13.99 min Scan# 1037

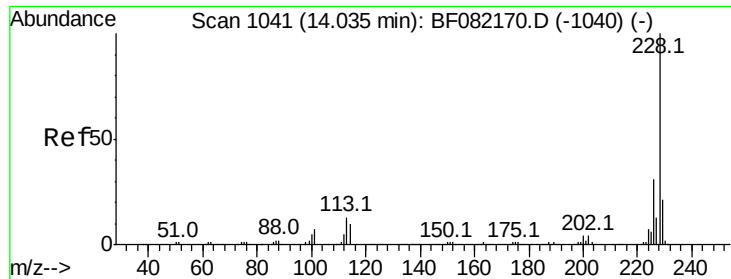
Delta R.T. -0.01 min

Lab File: BF082249.D

Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.3	33.5
229	20.2	16.2	24.2





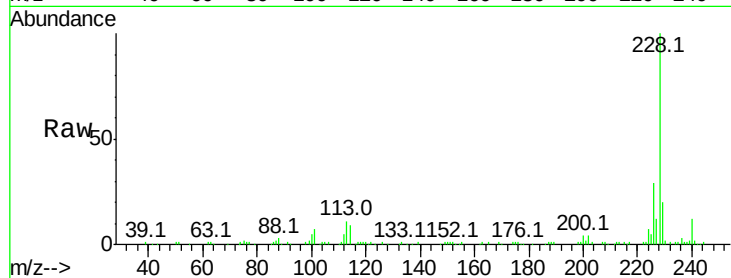
#82
Chrysene
Concen: 7.43 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

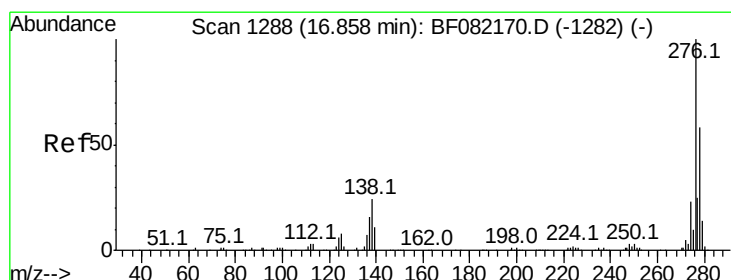
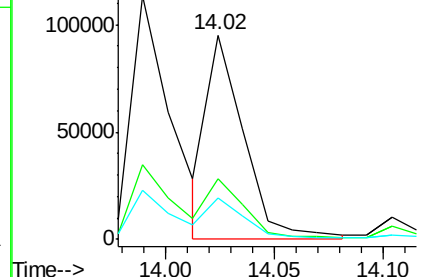
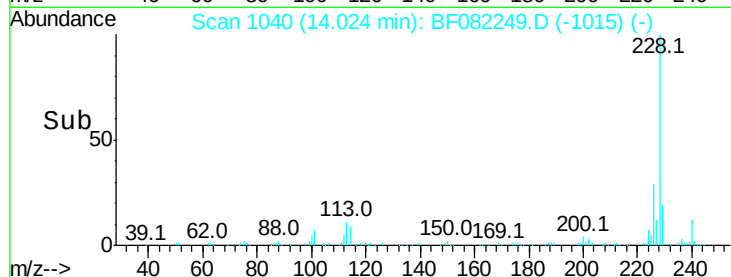
Tot Ion:	228	Resp:	111872
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.4	36.6
229	20.0	16.3	24.5

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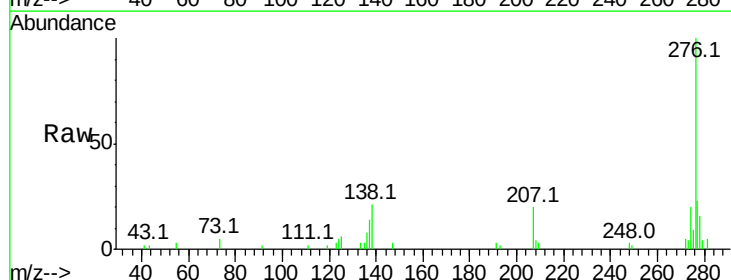


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

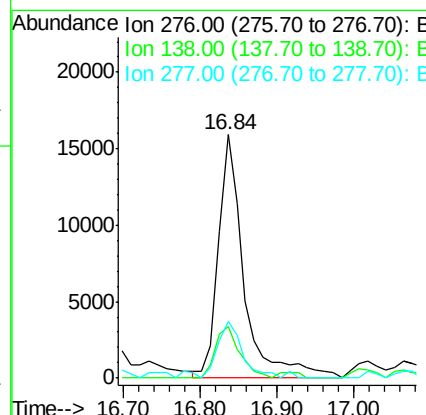
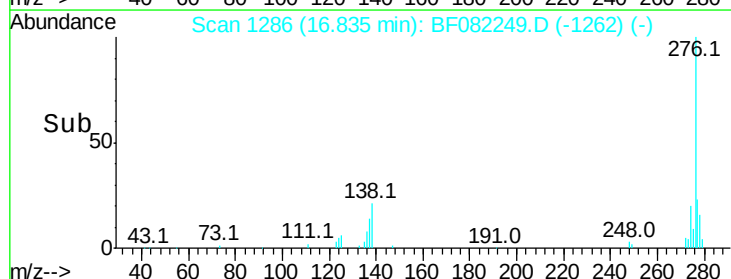


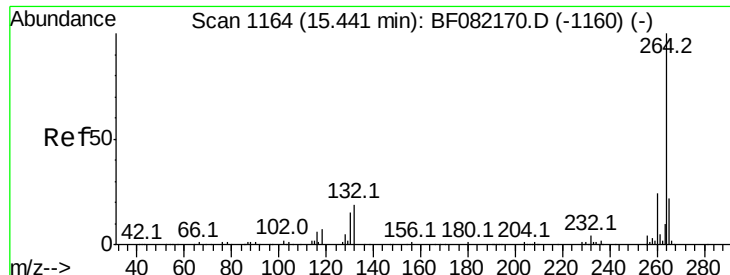
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 16.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:	276	Resp:	37198
Ion Ratio	Lower	Upper	
276	100		
138	20.1	19.7	29.5
277	23.7	20.1	30.1



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





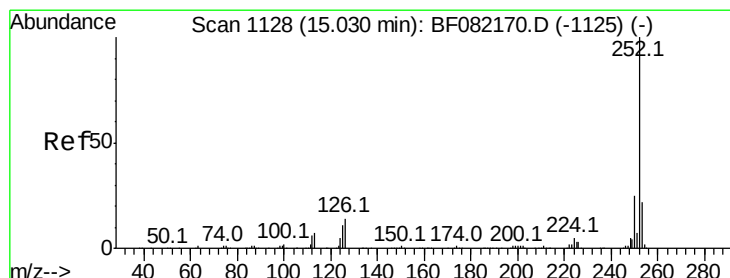
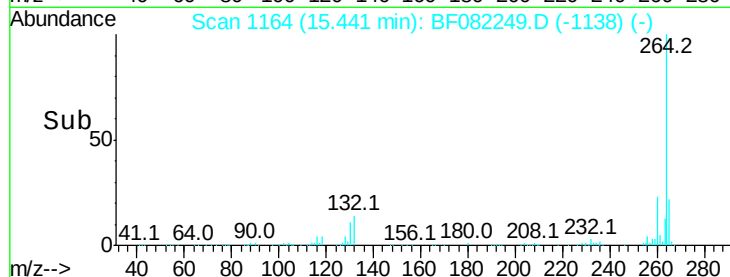
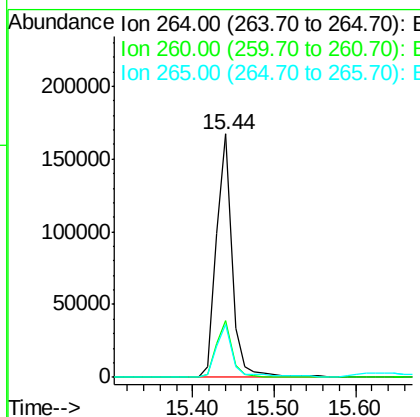
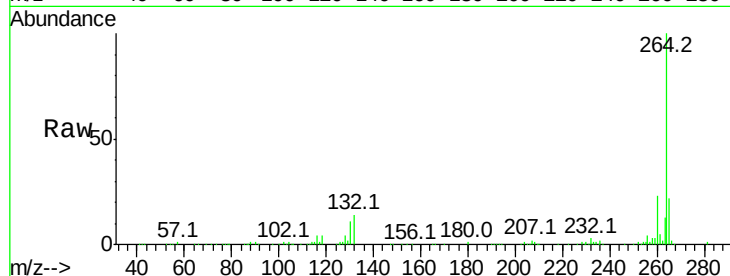
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.7	17.3	25.9

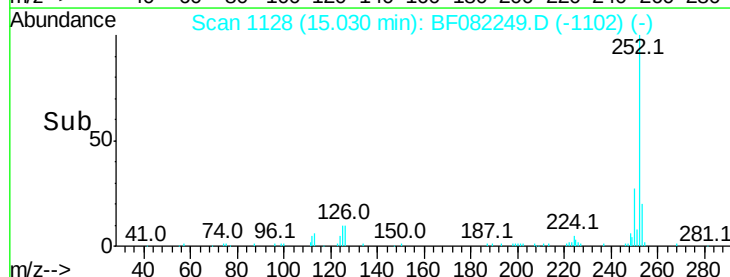
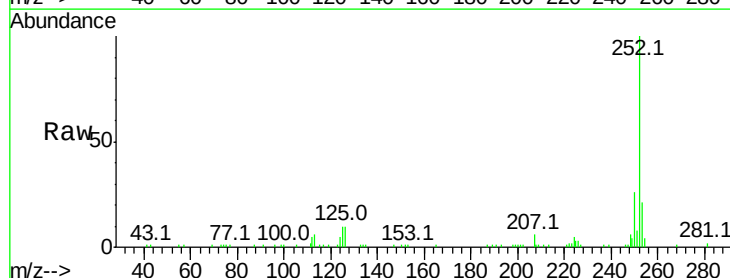
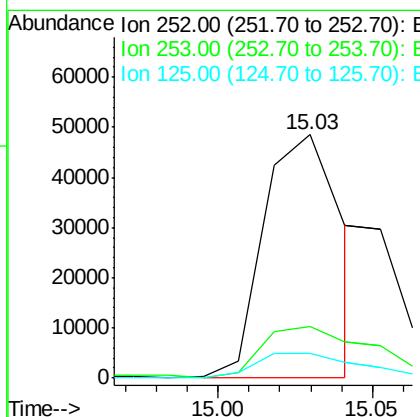
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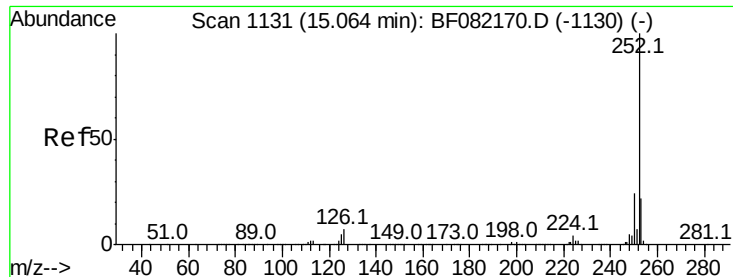
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#87
Benzo(b)fluoranthene
Concen: 6.21 ng m
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	10.3	8.6	12.8





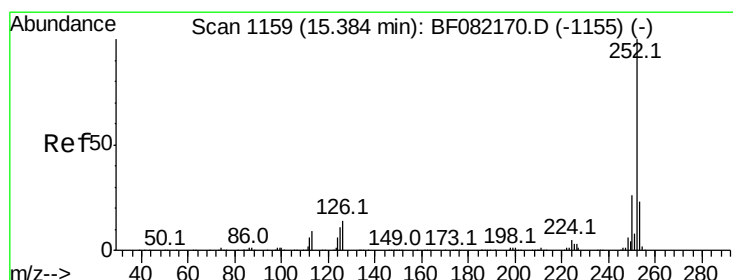
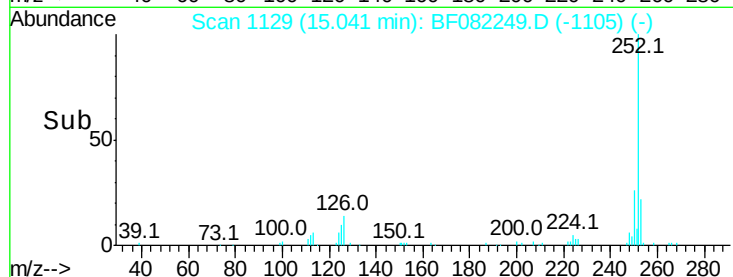
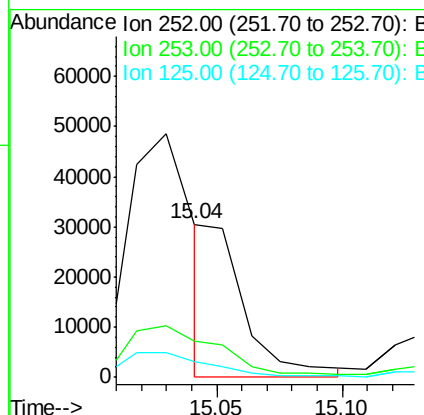
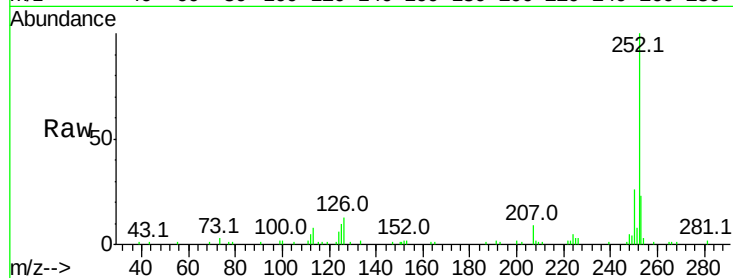
#88
Benzo(k)fluoranthene
Concen: 2.66 ng m
RT: 15.04 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	10.1	6.7	10.1

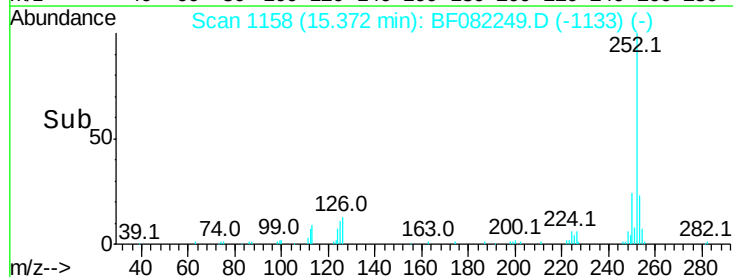
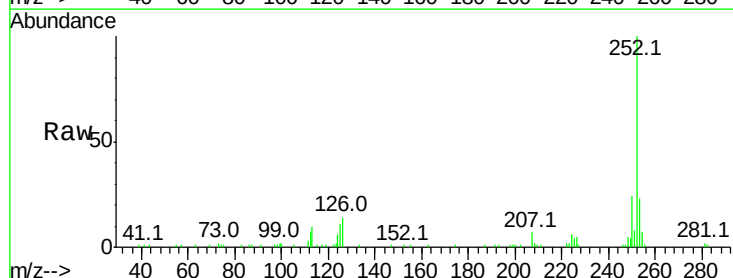
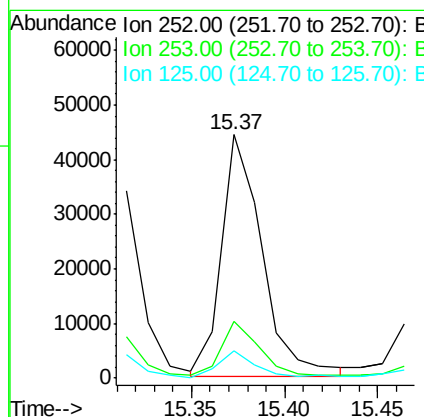
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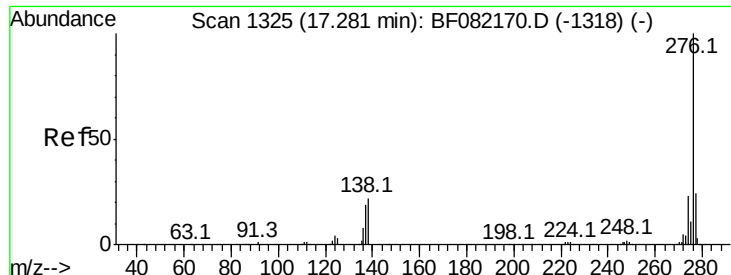
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#89
Benzo(a)pyrene
Concen: 5.67 ng
RT: 15.37 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.0	8.9	13.3





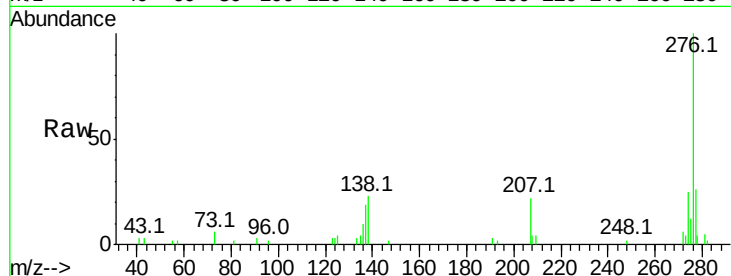
#91
 Benzo(a,h,i)perylene
 Concen: 3.81 ng
 RT: 17.26 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF082249.D
 Acq: 13 Oct 2015 8:01

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	26.2	18.8	28.2
138	23.1	17.4	26.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

