

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
 Data File : BF082211.D
 Acq On : 11 Oct 2015 8:39
 Operator : UM/IZ
 Sample : G3974-01DL 100X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL

Manual Integrations
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 10/12/2015 2:39:15 PM

Quant Time: Oct 12 04:34:15 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 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	93198	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	374535	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	176705	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	307350	20.00	ng	0.00
75) Chrysene-d12	14.01	240	240022	20.00	ng	0.00
86) Perylene-d12	15.44	264	227871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	3040	0.66	ng	0.00
7) Phenol-d6	6.47	99	3296	0.55	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1653	0.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	966	0.58	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	7820	0.73	ng	-0.01
78) Terphenyl-d14	12.95	244	5867	0.65	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	1278511	78.75	ng	99
37) 2-Methylnaphthalene	8.83	142	97650m	8.68	ng	
48) Acenaphthylene	9.74	152	124363	7.53	ng	# 94
51) Acenaphthene	9.91	154	157050	15.83	ng	99
54) Dibenzofuran	10.08	168	95089	6.98	ng	# 88
57) Fluorene	10.43	166	371328	33.20	ng	98
70) Phenanthrene	11.40	178	1230859	81.70	ng	99
71) Anthracene	11.44	178	423276	27.27	ng	99
72) Carbazole	11.60	167	38263	2.70	ng	98
74) Fluoranthene	12.58	202	582884	36.02	ng	99
77) Pyrene	12.81	202	670570	47.08	ng	99
80) Benzo(a)anthracene	14.00	228	222586m	17.82	ng	
82) Chrysene	14.04	228	191638m	14.56	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	60039	5.74	ng	# 89
87) Benzo(b)fluoranthene	15.03	252	137871m	9.94	ng	
88) Benzo(k)fluoranthene	15.04	252	75326m	6.46	ng	
89) Benzo(a)pyrene	15.38	252	125468	10.53	ng	97
91) Benzo(g,h,i)perylene	17.27	276	56701	5.98	ng	99

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

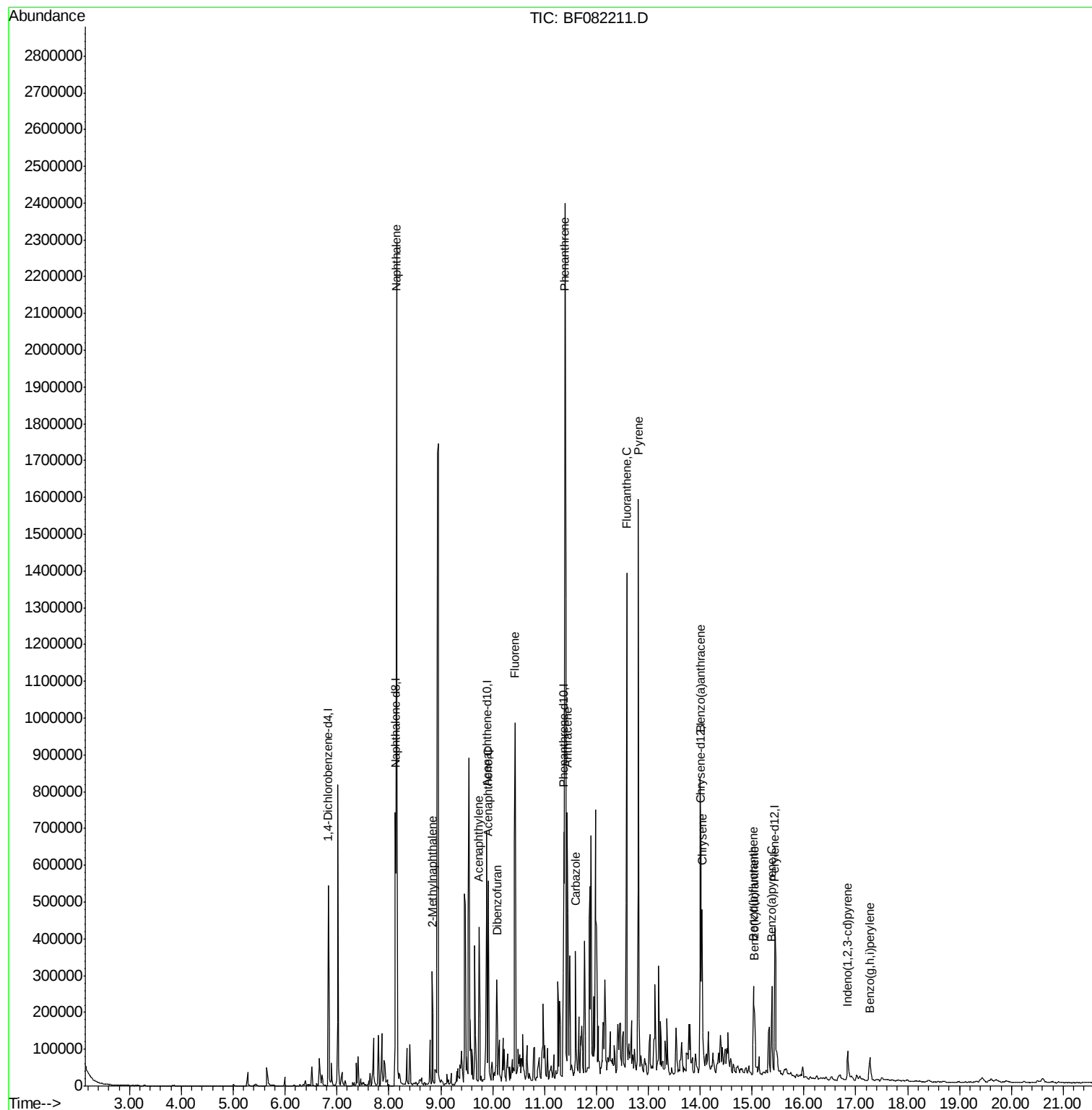
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
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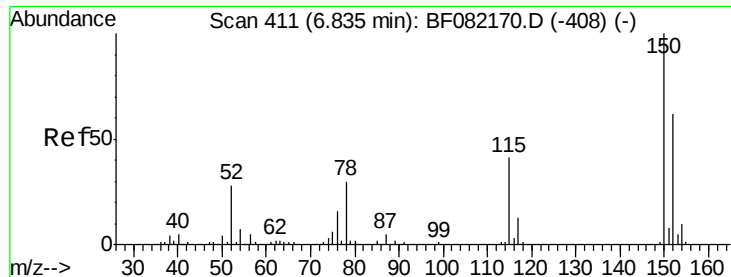
Instrument :
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MGP222BR-12-14DL

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

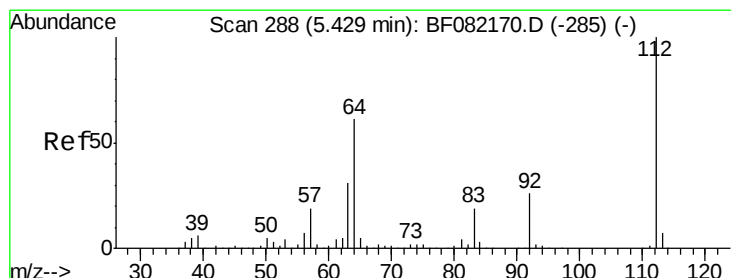
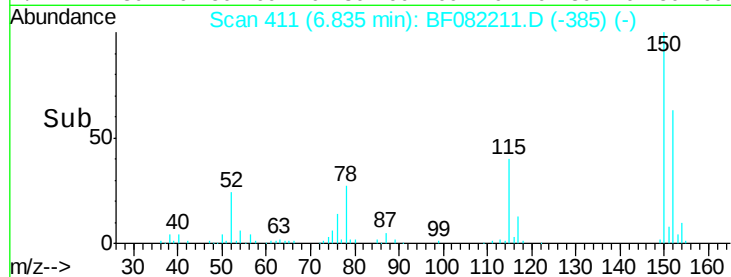
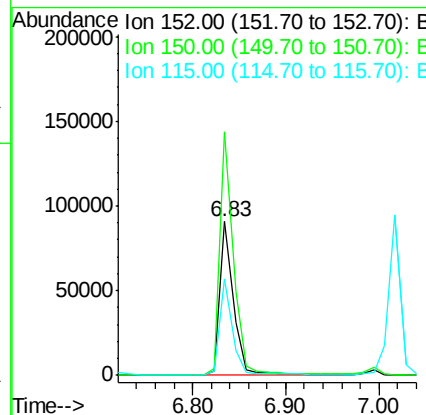
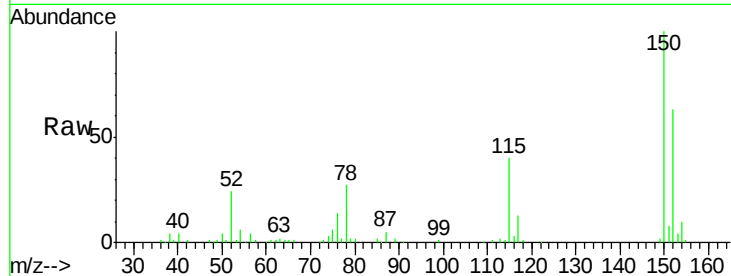
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.0	193.4
115	62.8	52.1	78.1

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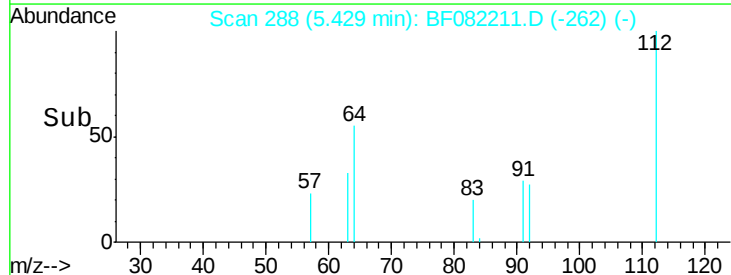
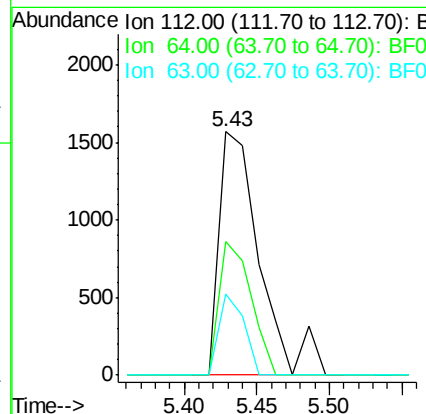
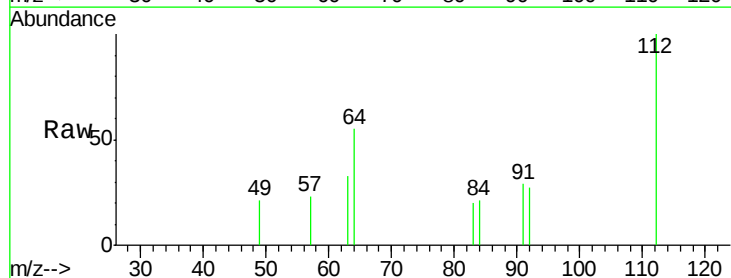
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#5

2-Fluorophenol
Concen: 0.66 ng
RT: 5.43 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	48.6	73.0
63	33.2	25.1	37.7





#7

Phenol-d6

Concen: 0.55 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082211.D

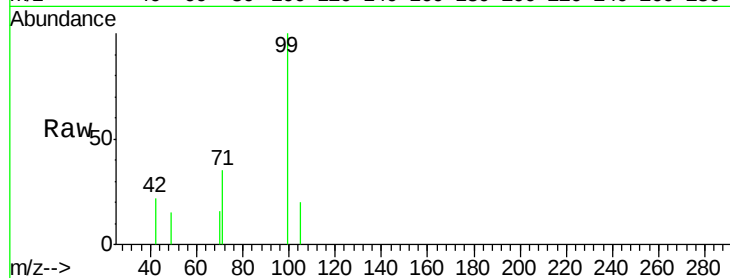
Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

ClientSampleId :

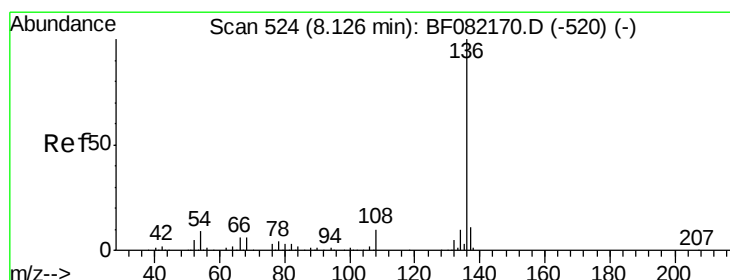
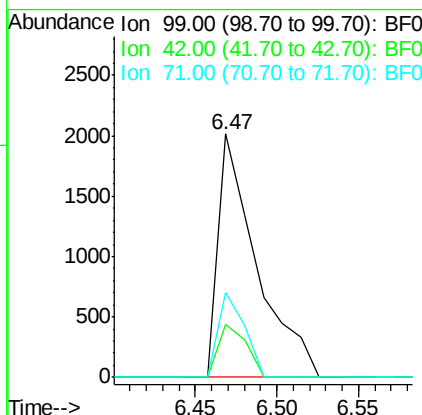
MGP222BR-12-14DL



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		3296		
42	21.6	13.2	19.8#		
71	35.0	25.6	38.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

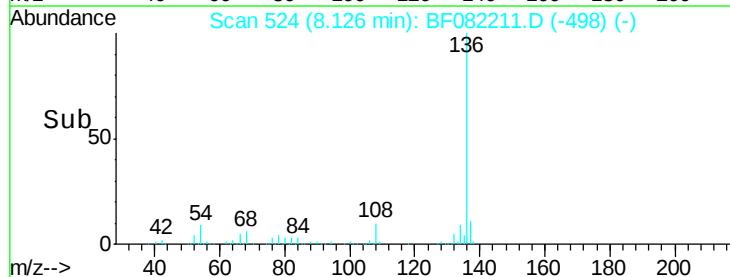
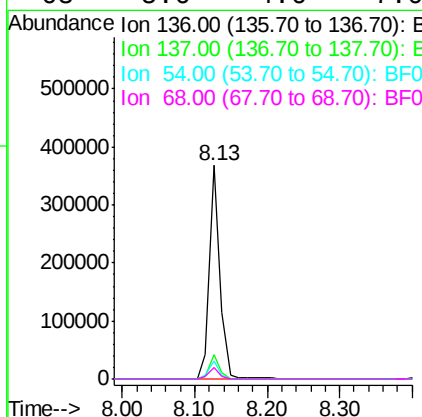
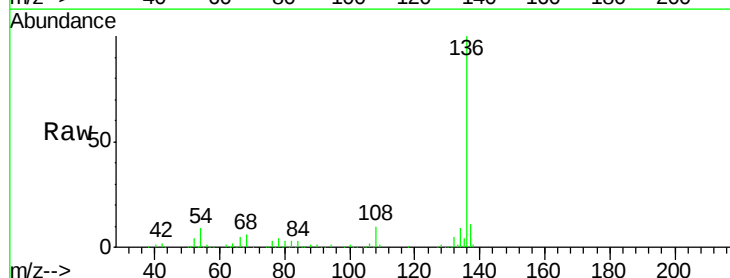
RT: 8.13 min Scan# 524

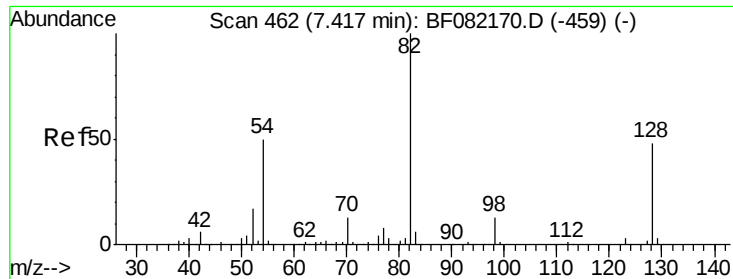
Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		374535		
137	11.3	9.0	13.6		
54	8.6	7.5	11.3		
68	5.6	4.6	7.0		





#23

Nitrobenzene-d5

Concen: 0.30 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

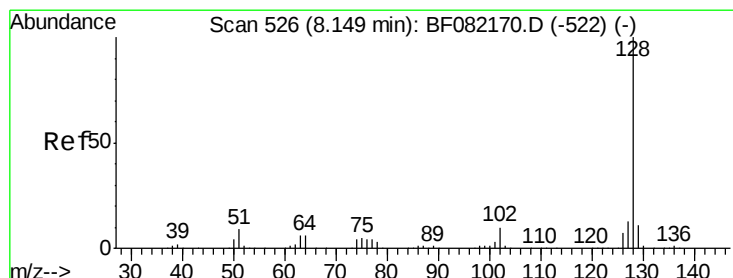
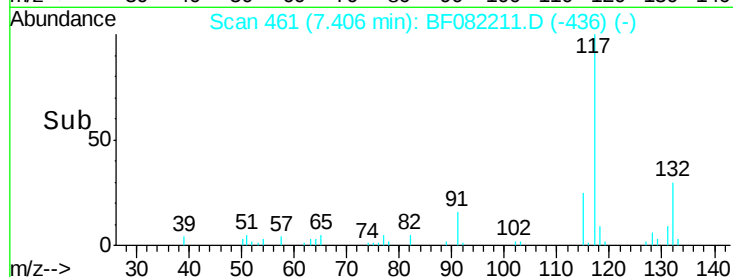
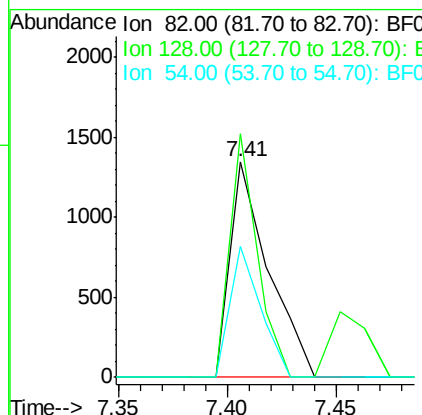
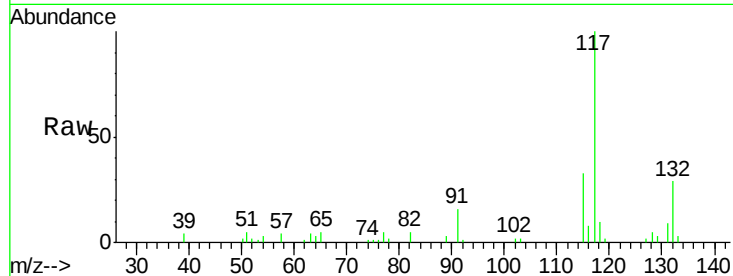
ClientSampleId :

MGP222BR-12-14DL

Tgt Ion:	82	Resp:	1653
Ion Ratio	Lower	Upper	
82	100		
128	112.8	38.7	58.1#
54	60.7	40.1	60.1#

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#31

Naphthalene

Concen: 78.75 ng

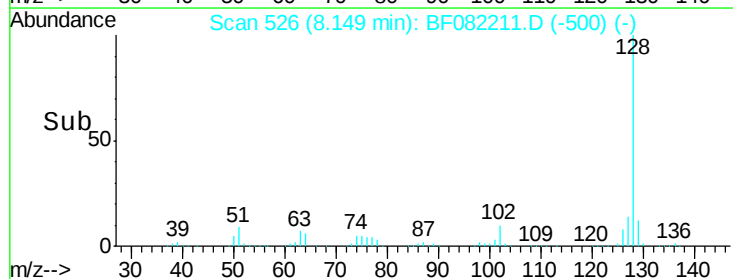
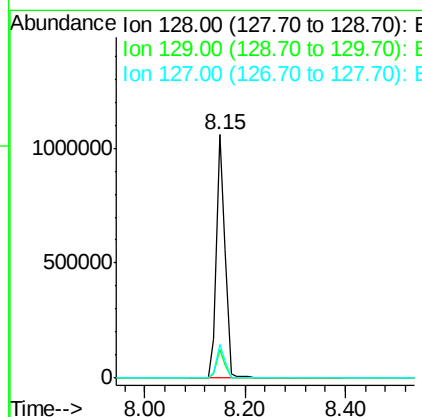
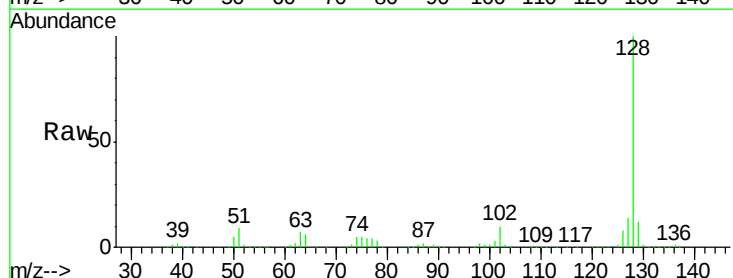
RT: 8.15 min Scan# 526

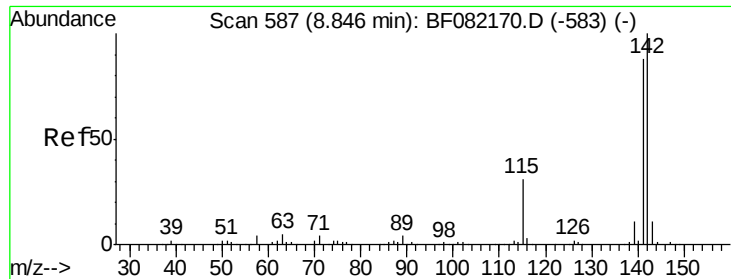
Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion:	128	Resp:	1278511
Ion Ratio	Lower	Upper	
128	100		
129	12.0	9.1	13.7
127	13.9	10.7	16.1





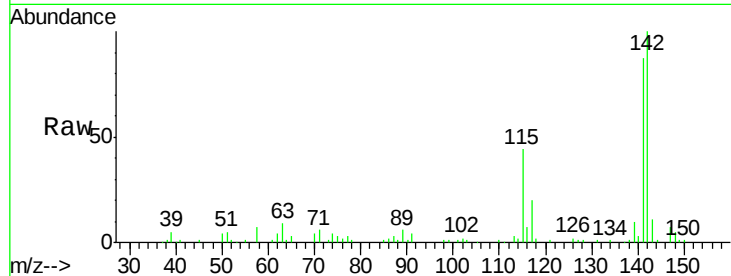
#37
2-Methylnaphthalene
Concen: 8.68 ng m
RT: 8.83 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.4	105.6
115	44.0	24.6	37.0

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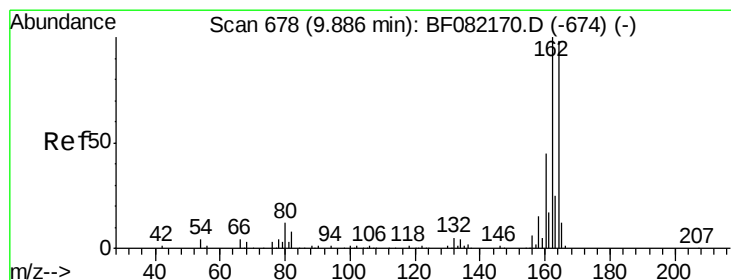
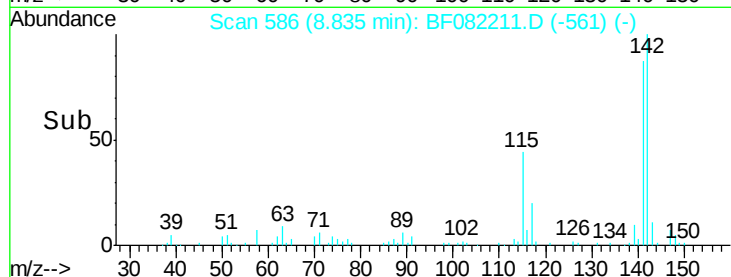
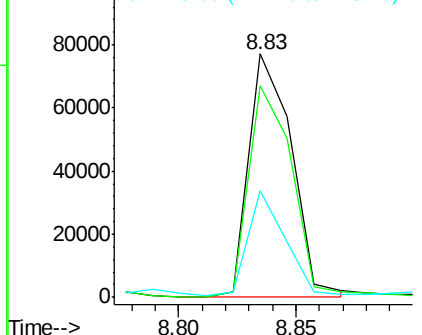


Abundance

Ion 142.00 (141.70 to 142.70): E

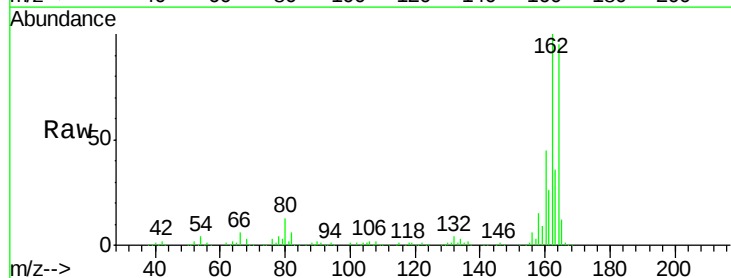
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	81.6	122.4
160	47.3	36.4	54.6

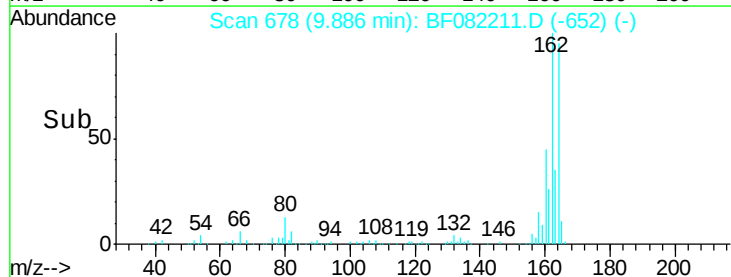
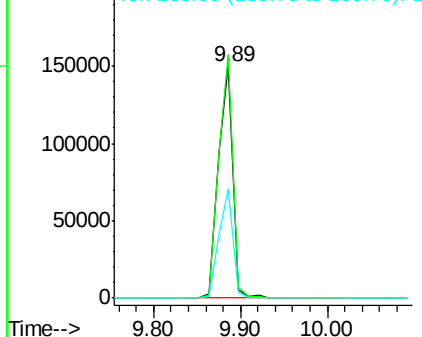


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





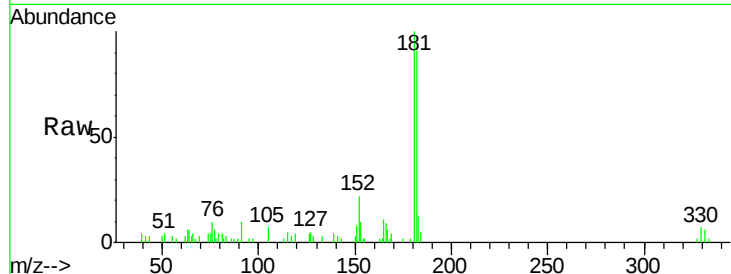
#41
 2,4,6-Tribromophenol
 Concen: 0.58 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082211.D
 Acq: 11 Oct 2015 8:39

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL

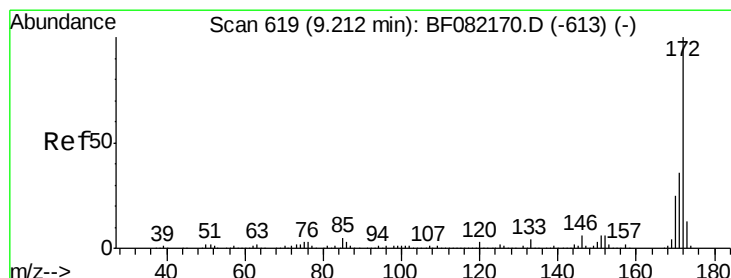
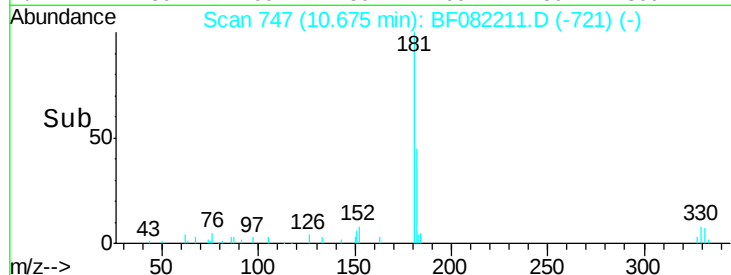
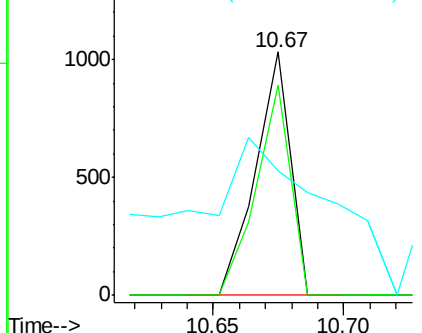
Tgt Ion	Ratio	Lower	Upper
330	100		
332	85.3	77.1	115.7
141	215.5	29.8	44.8#

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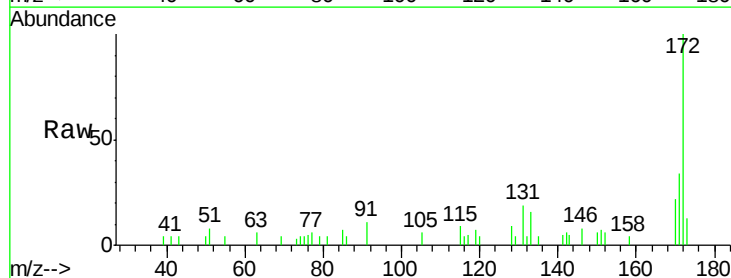


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

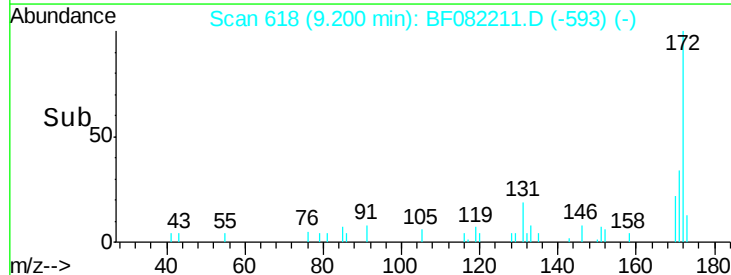
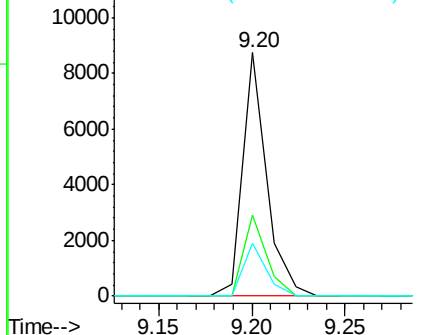


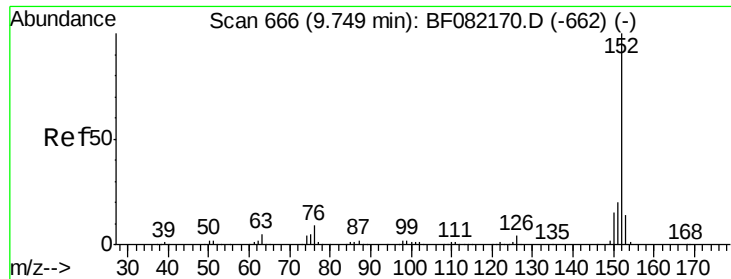
#44
 2-Fluorobiphenyl
 Concen: 0.73 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082211.D
 Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.6	42.8
170	21.9	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





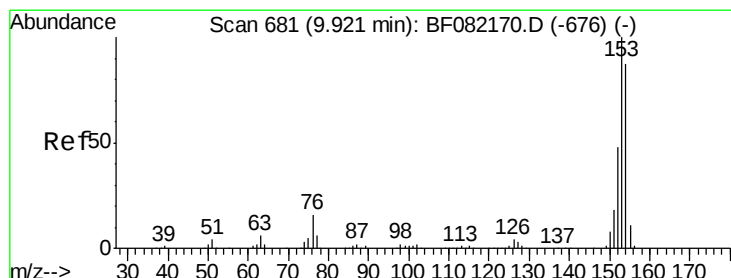
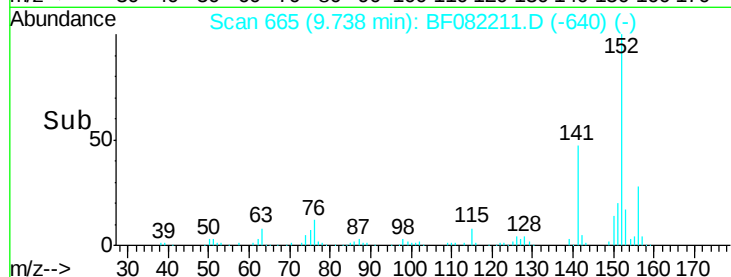
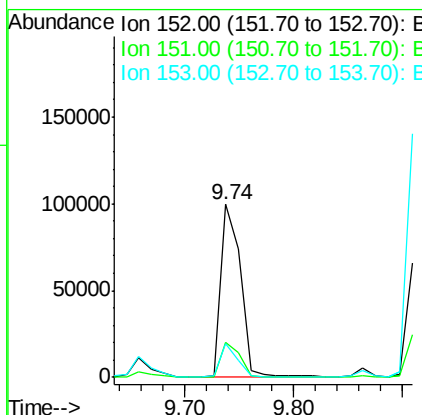
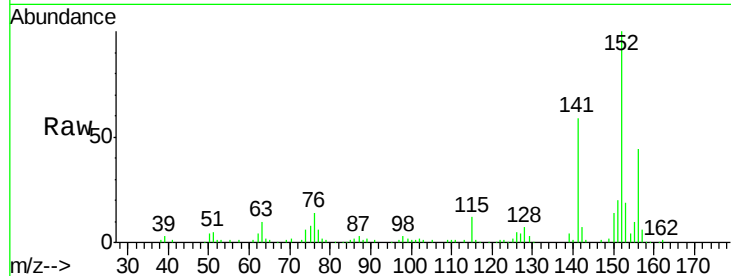
#48
Acenaphthylene
Concen: 7.53 ng
RT: 9.74 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.9	16.4	24.6
153	19.2	10.8	16.2

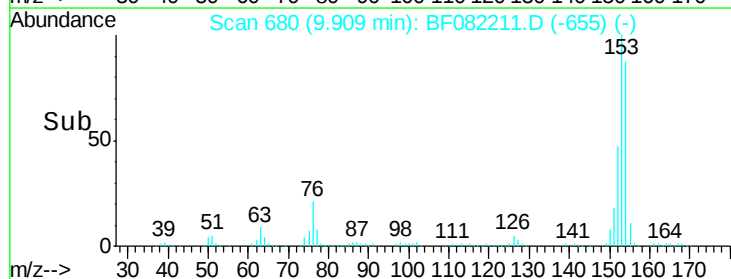
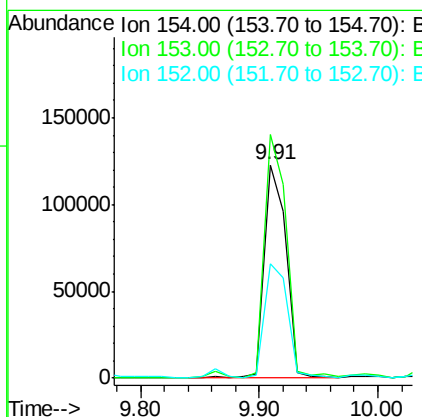
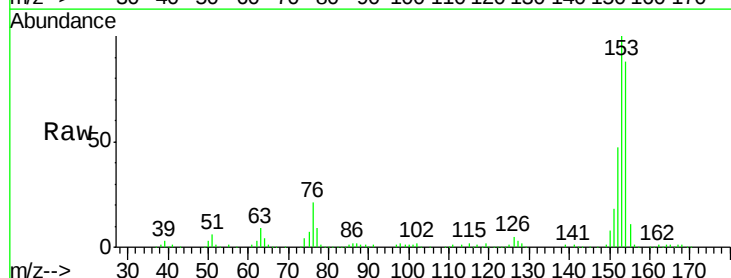
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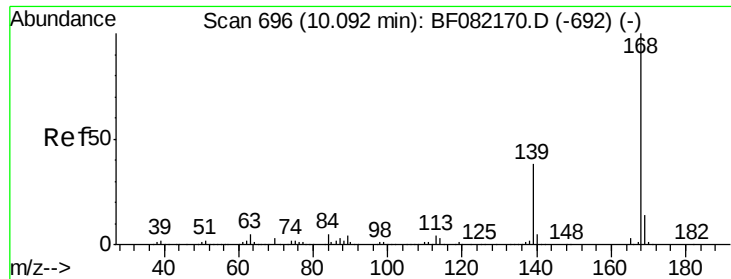
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#51
Acenaphthene
Concen: 15.83 ng
RT: 9.91 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.2	91.4	137.2
152	53.5	44.3	66.5





#54

Dibenzenofuran

Concen: 6.98 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF082211.D

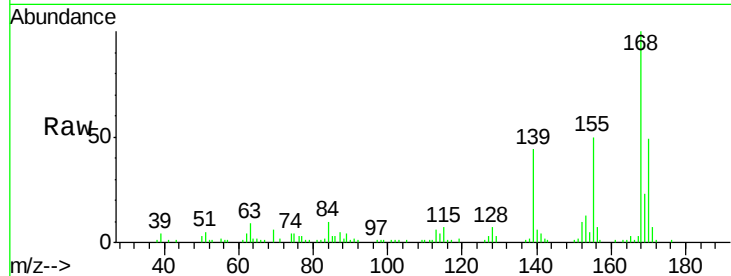
Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

ClientSampleId :

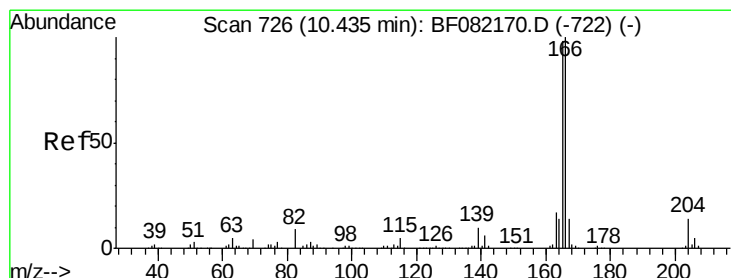
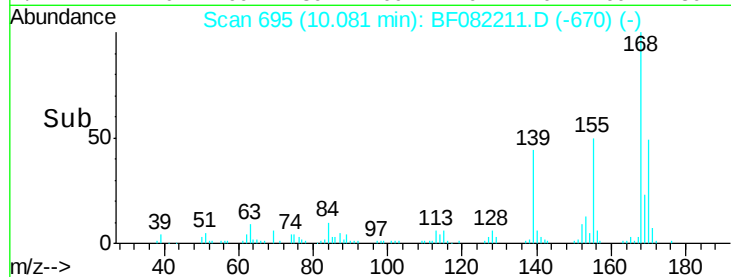
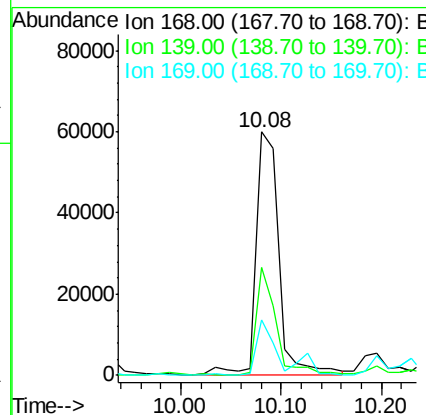
MGP222BR-12-14DL



Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.2	31.0	46.6
169	22.8	10.9	16.3#

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#57

Fluorene

Concen: 33.20 ng

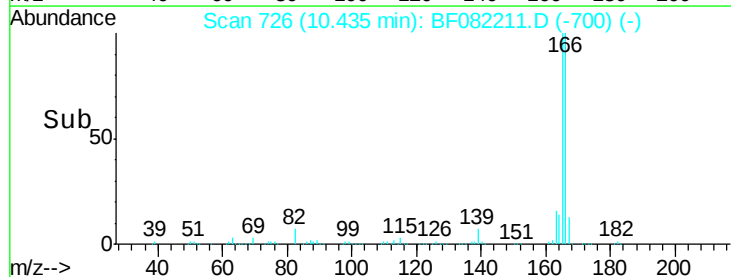
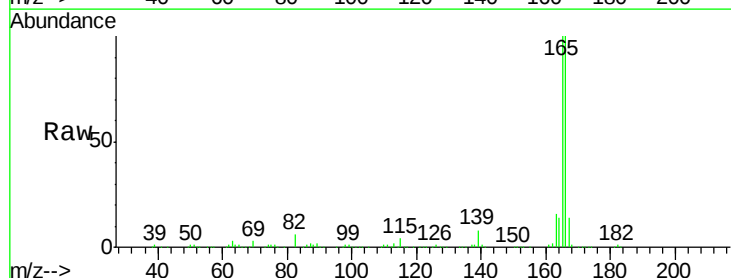
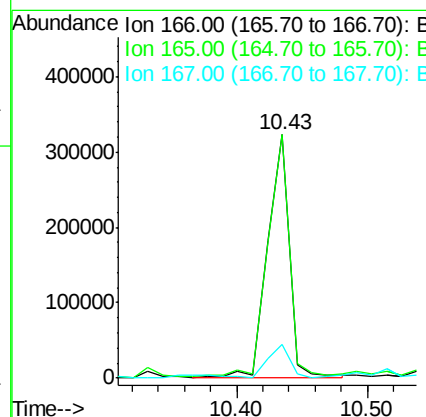
RT: 10.43 min Scan# 726

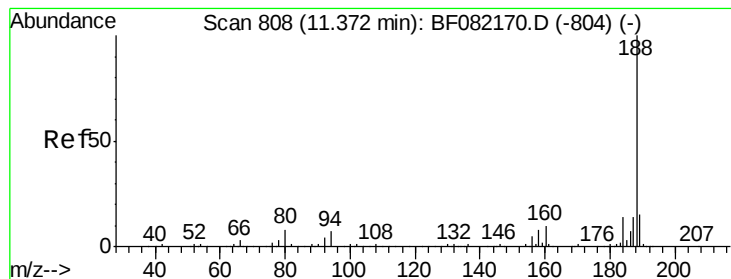
Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.3	117.5
167	13.7	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

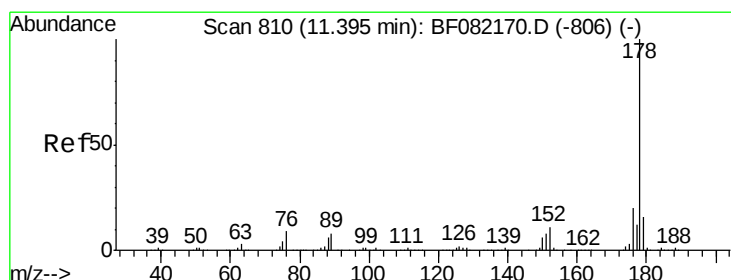
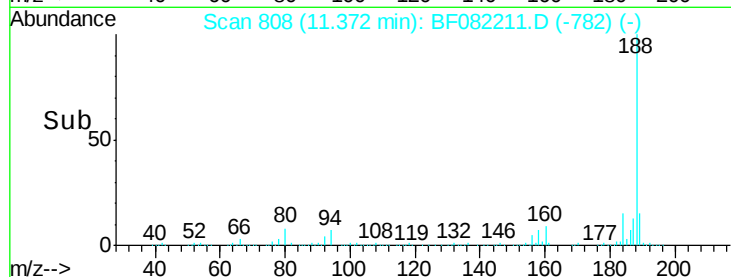
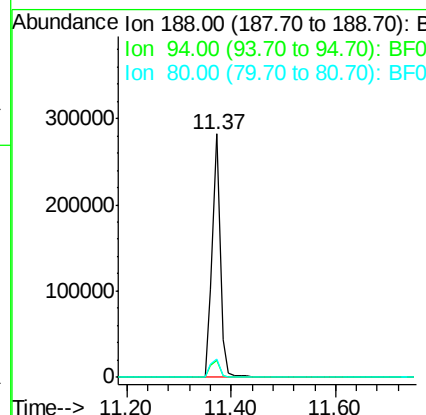
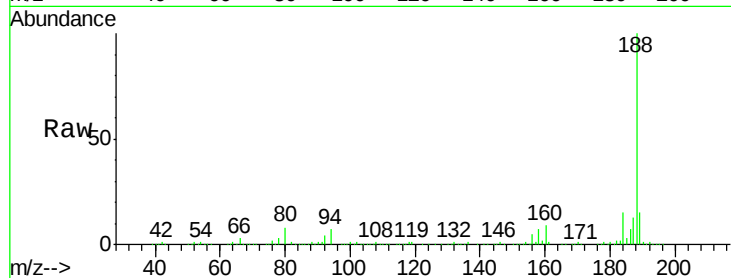
ClientSampleId :

MGP222BR-12-14DL

Tgt Ion:	188	Resp:	307350
Ion Ratio	Lower	Upper	
188	100		
94	7.2	5.8	8.6
80	7.5	6.4	9.6

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#70

Phenanthrene

Concen: 81.70 ng

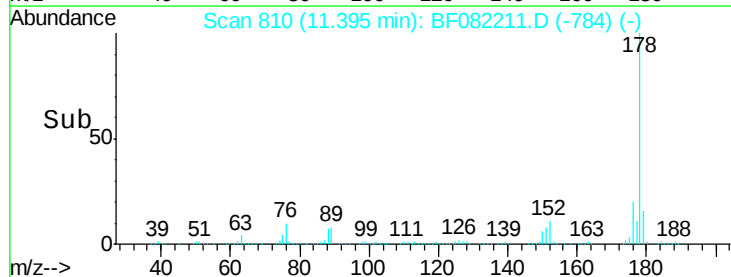
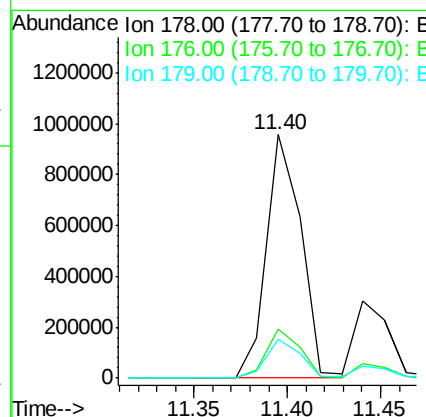
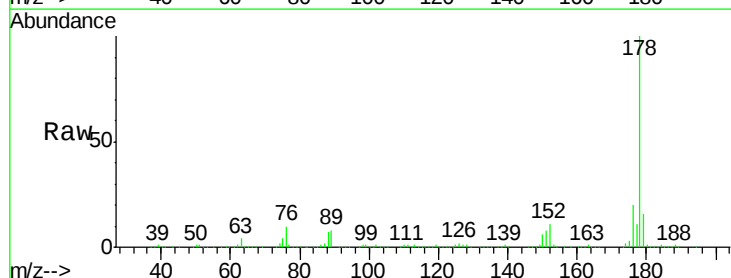
RT: 11.40 min Scan# 810

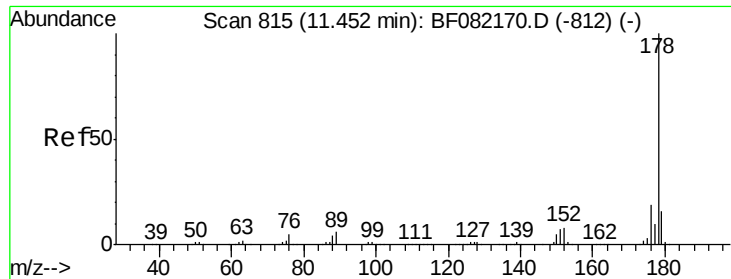
Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion:	178	Resp:	1230859
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.0	24.0
179	16.2	12.6	19.0





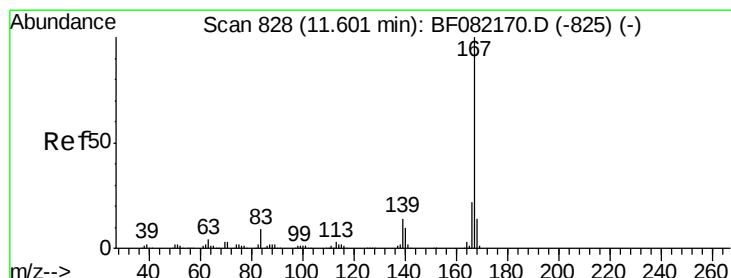
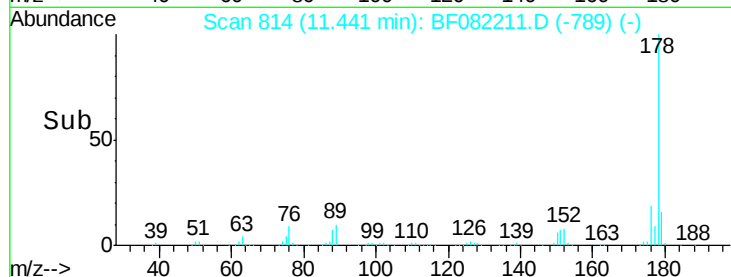
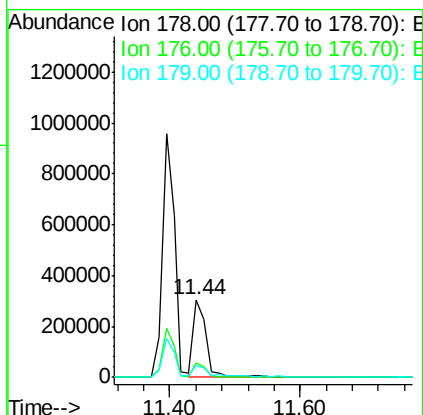
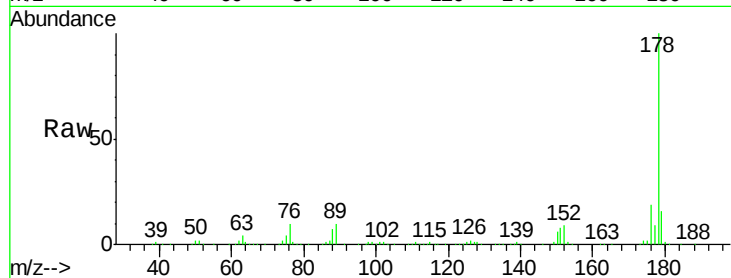
#71
 Anthracene
 Concen: 27.27 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082211.D
 Acq: 11 Oct 2015 8:39

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-12-14DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	16.0	12.5	18.7

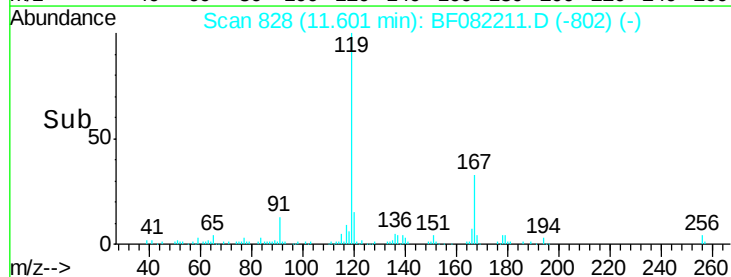
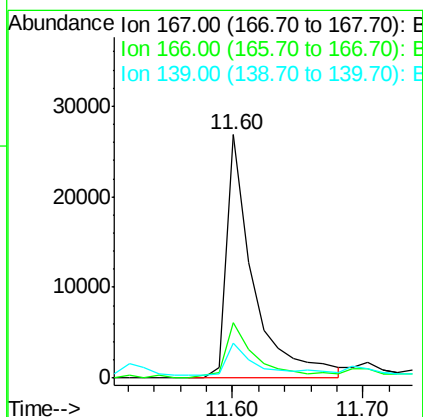
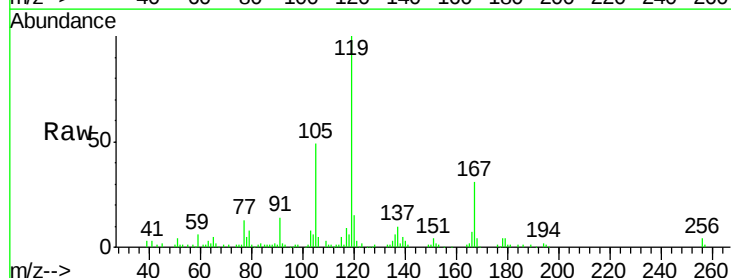
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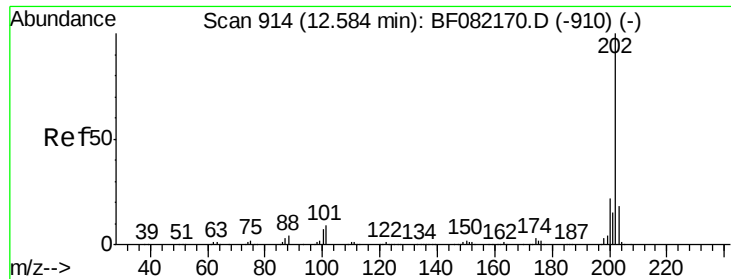
MMDadoda
 10/12/2015 2:39:15 PM



#72
 Carbazole
 Concen: 2.70 ng
 RT: 11.60 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF082211.D
 Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.3	25.9
139	14.6	11.2	16.8





#74

Fluoranthene

Concen: 36.02 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082211.D

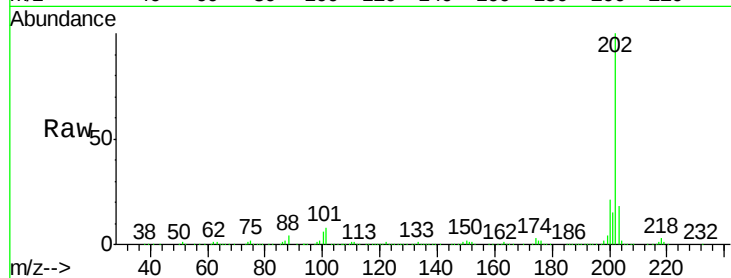
Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

ClientSampleId :

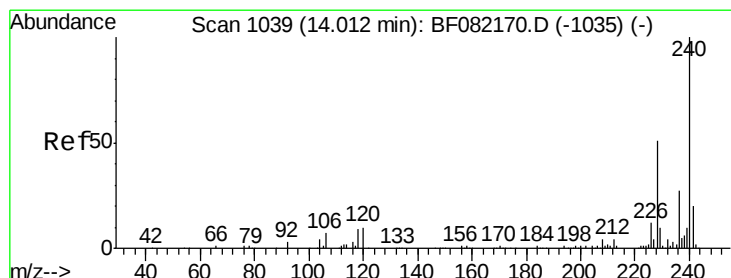
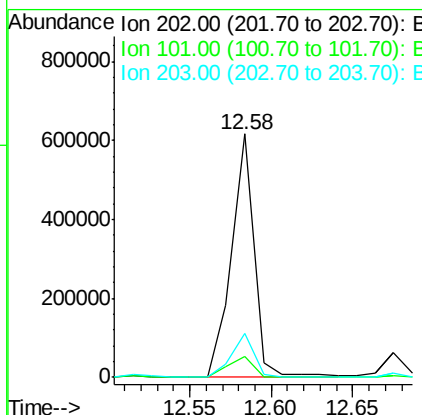
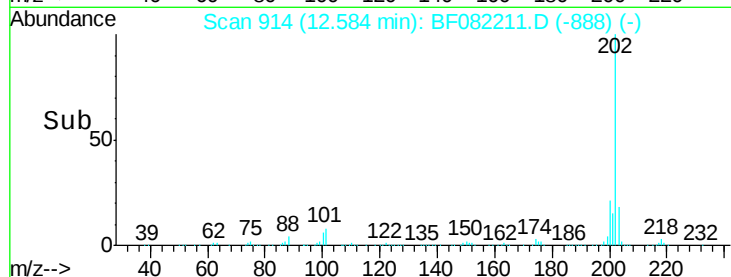
MGP222BR-12-14DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	582884		
101	8.5	0.0	29.3	
203	17.9	0.0	37.8	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

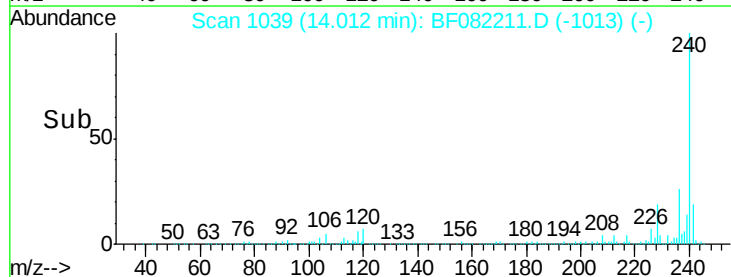
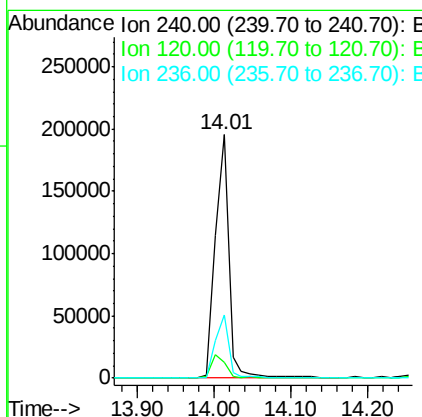
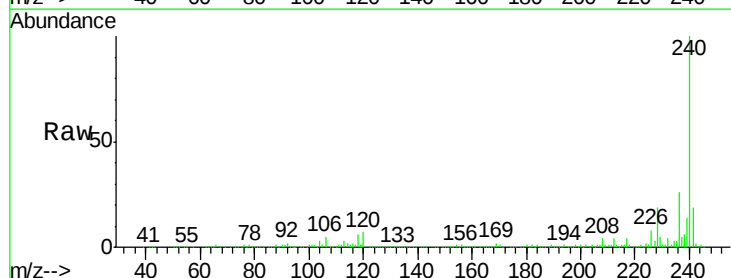
RT: 14.01 min Scan# 1039

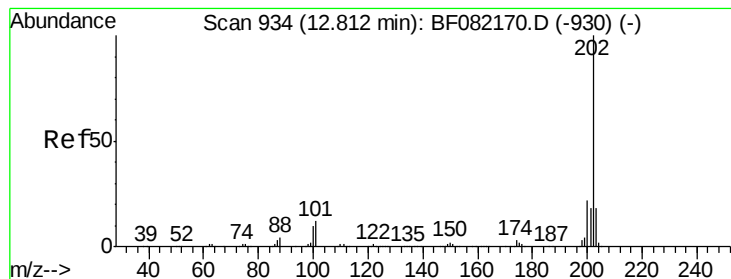
Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	240022		
120	6.7	8.1	12.1#	
236	25.9	21.3	31.9	





#77

Pyrene

Concen: 47.08 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

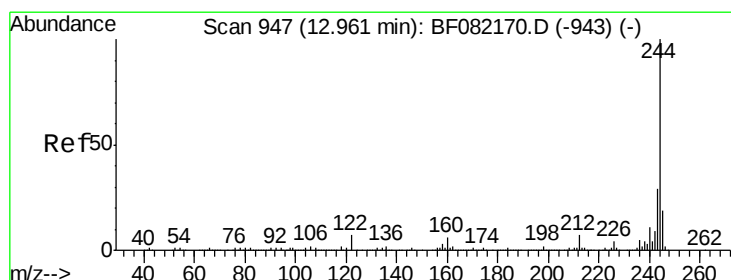
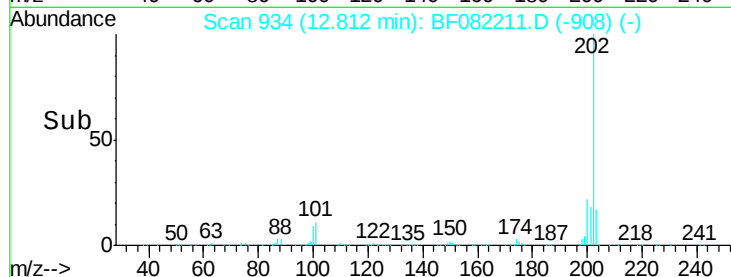
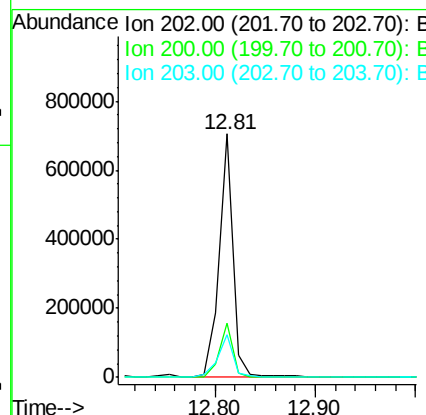
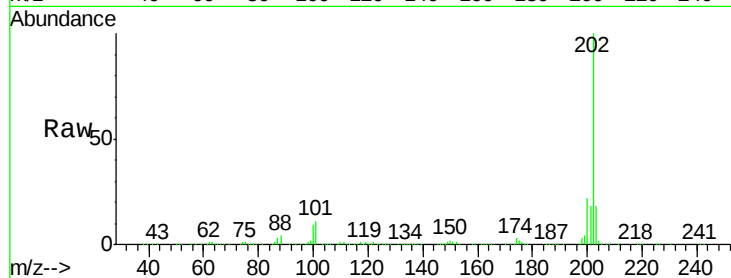
ClientSampleId :

MGP222BR-12-14DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		670570		
200	22.0	17.9	26.9		
203	17.8	14.5	21.7		

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#78

Terphenyl-d14

Concen: 0.65 ng

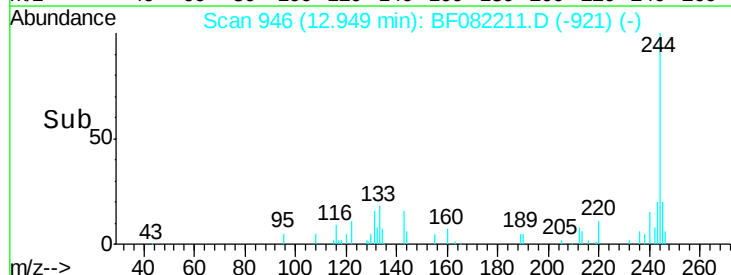
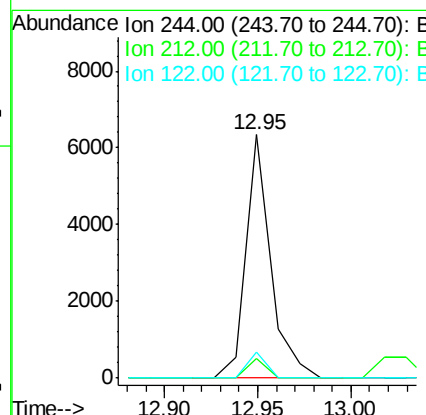
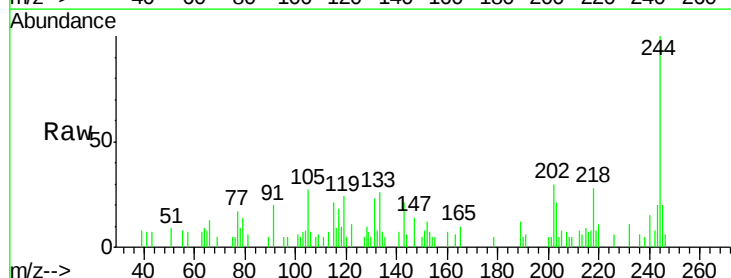
RT: 12.95 min Scan# 946

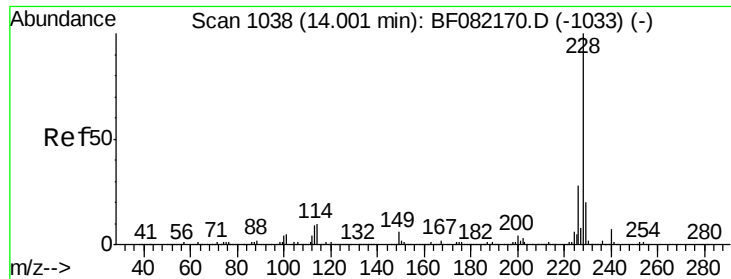
Delta R.T. -0.01 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		5867		
212	8.3	5.8	8.6		
122	10.6	5.9	8.9#		





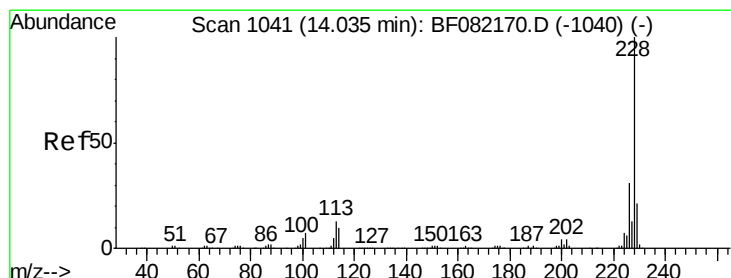
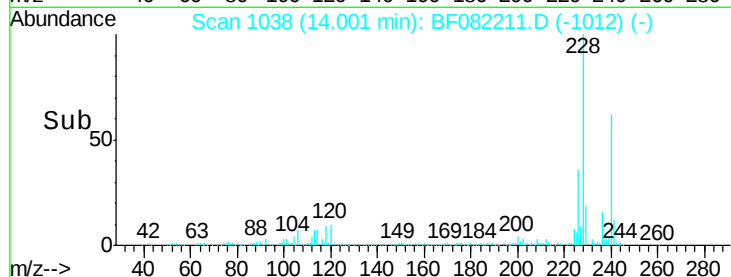
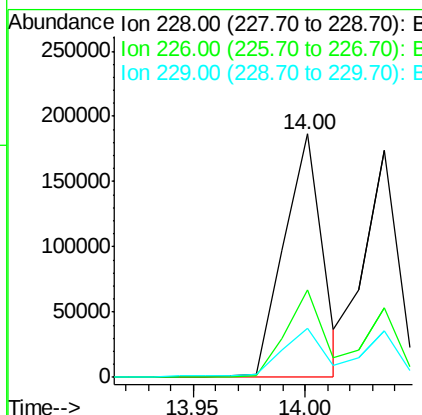
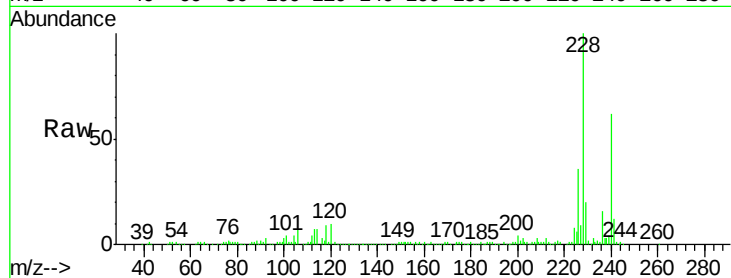
#80
Benzo(a)anthracene
Concen: 17.82 ng m
RT: 14.00 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.3	33.5#
229	20.0	16.2	24.2

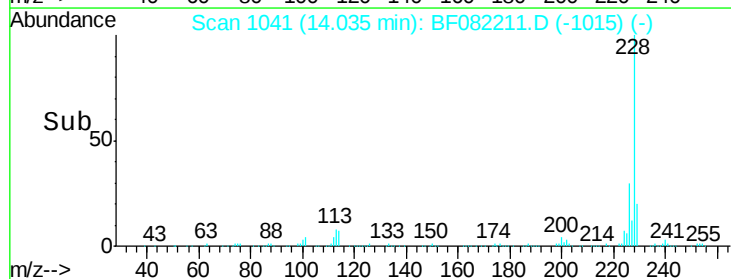
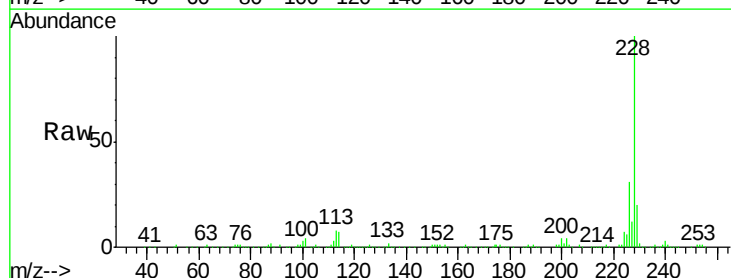
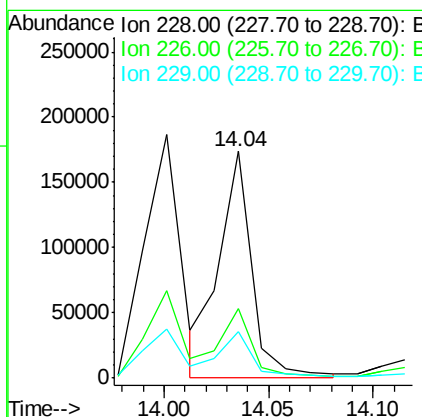
Manual Integrations
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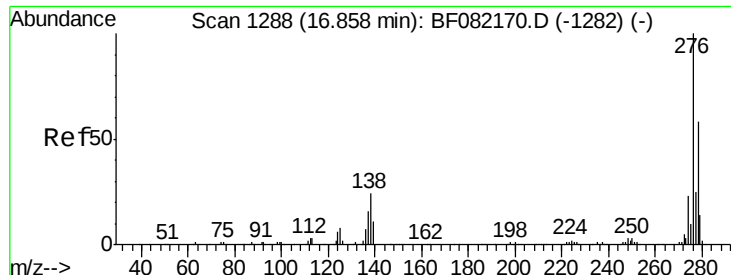
MMDadoda
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#82
Chrysene
Concen: 14.56 ng m
RT: 14.04 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	20.3	16.3	24.5





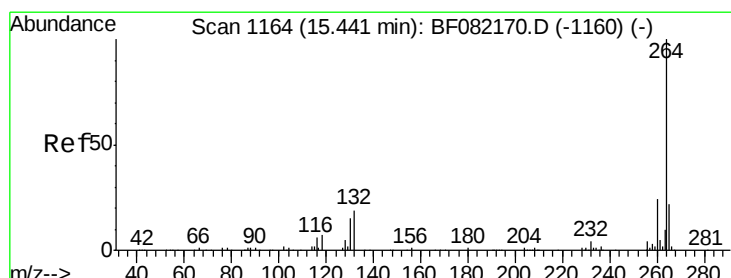
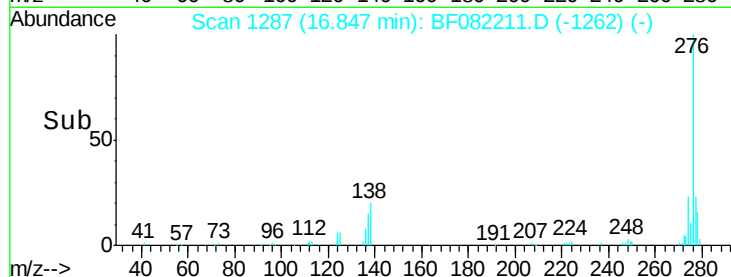
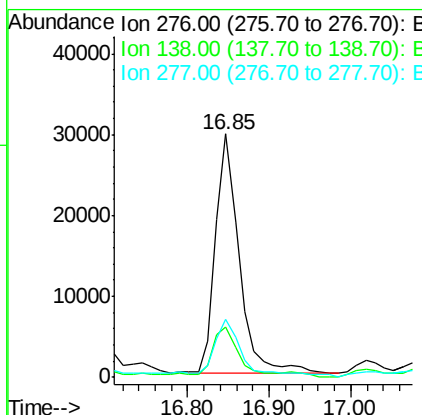
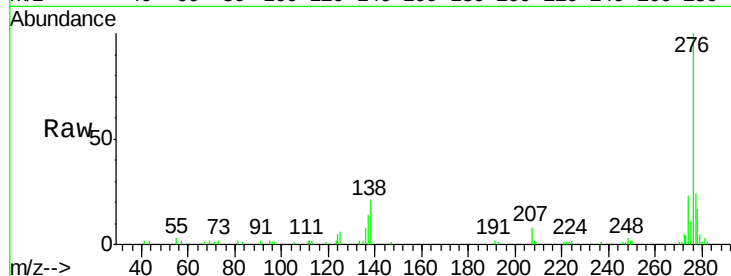
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.74 ng
RT: 16.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	60039		
138	19.6	19.7	29.5#	
277	30.7	20.1	30.1#	

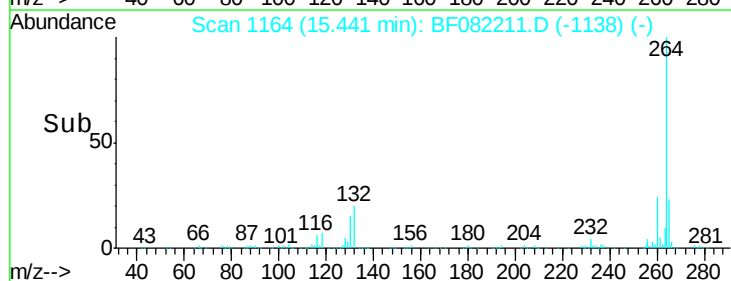
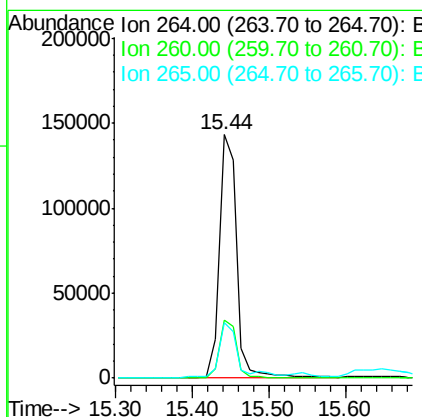
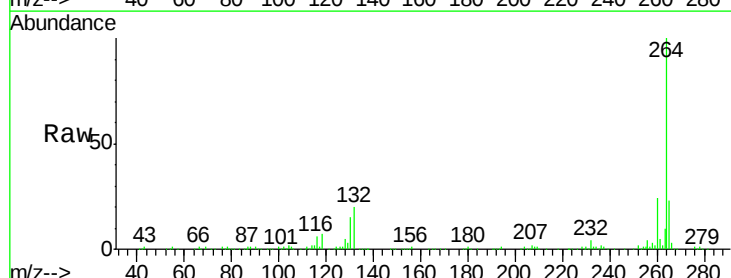
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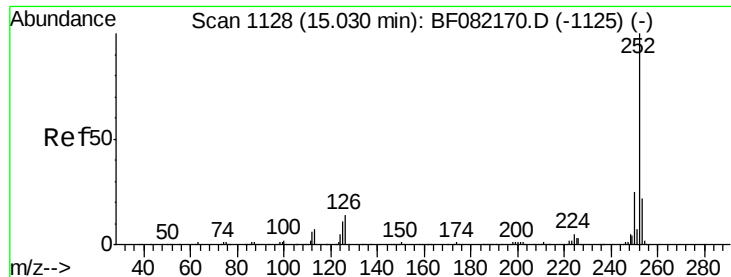
MMDadoda
10/12/2015 2:39:15 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF082211.D
Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	227871		
260	24.1	19.0	28.6	
265	22.7	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 9.94 ng m

RT: 15.03 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF082211.D

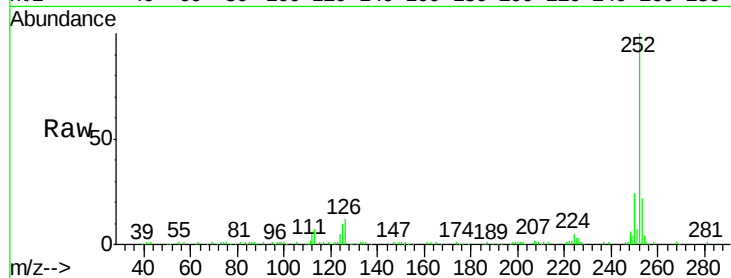
Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

ClientSampleId :

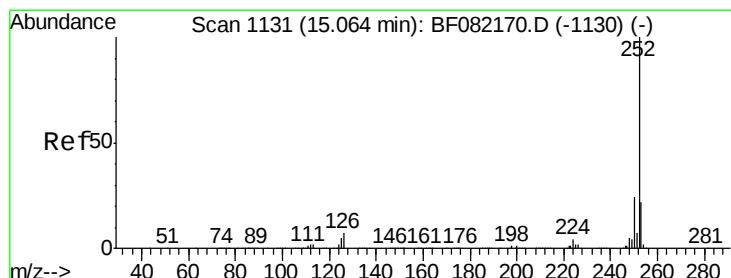
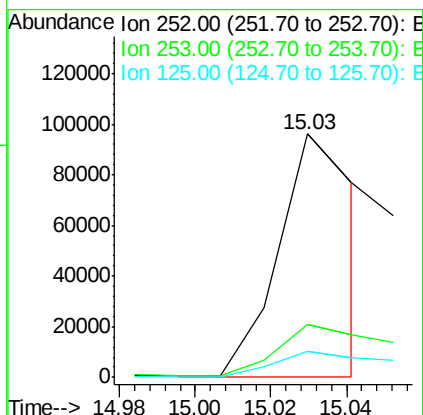
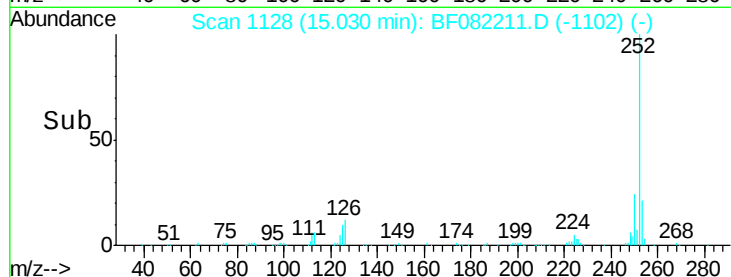
MGP222BR-12-14DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	10.5	8.6	12.8

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#88

Benzo(k)fluoranthene

Concen: 6.46 ng m

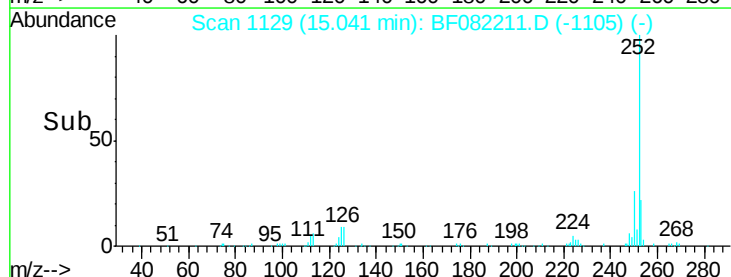
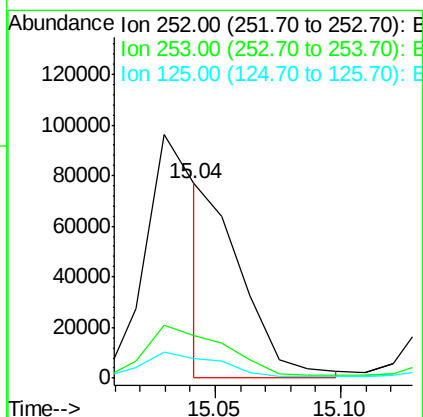
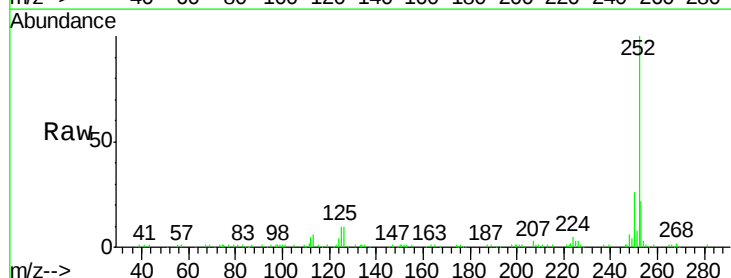
RT: 15.04 min Scan# 1129

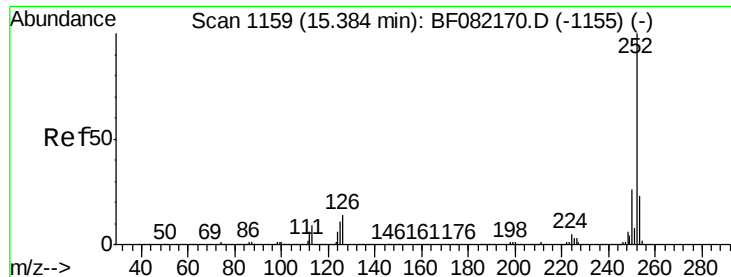
Delta R.T. -0.02 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.9	6.7	10.1





#89

Benzo(a)pyrene

Concen: 10.53 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Instrument :

BNA_F

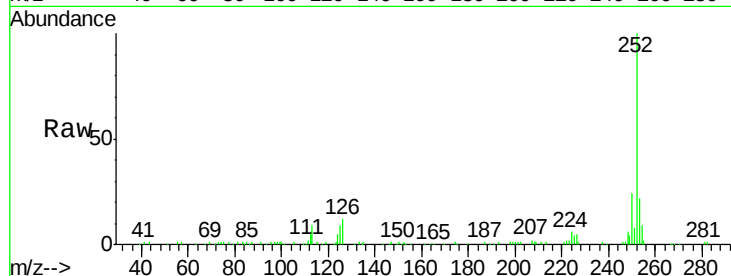
ClientSampleId :

MGP222BR-12-14DL

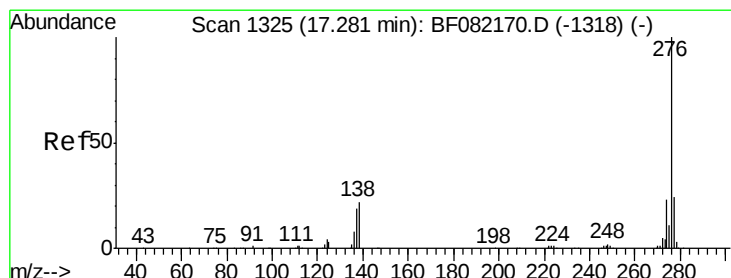
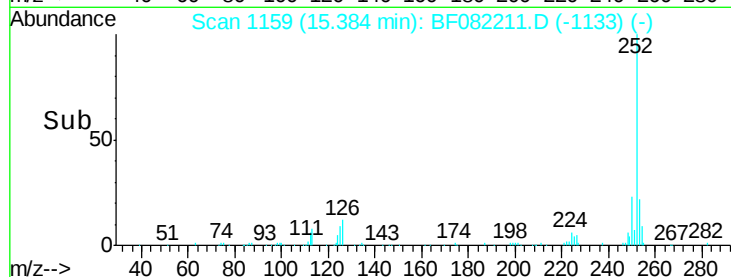
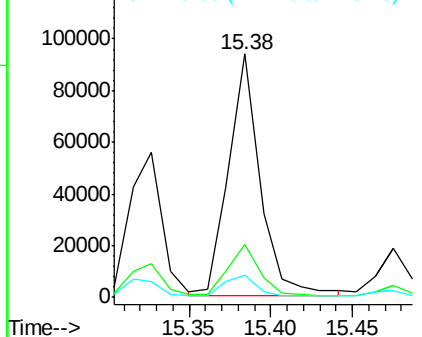
Tgt Ion:	252	Resp:	125468
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.2
125	9.0	8.9	13.3

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.98 ng

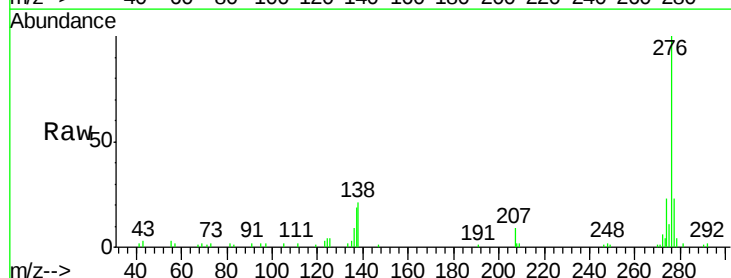
RT: 17.27 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF082211.D

Acq: 11 Oct 2015 8:39

Tgt Ion:	276	Resp:	56701
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.8	28.2
138	21.0	17.4	26.2



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

