

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
 Data File : BF082250.D
 Acq On : 13 Oct 2015 8:31
 Operator : UM/IZ
 Sample : G3974-02DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

Manual Integrations
 APPROVED

MMdadoda
 10/13/2015 1:25:30 PM

Quant Time: Oct 13 09:02:03 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	59864m	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	253976	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	136308	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	275946	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	256848	20.00	ng	-0.01
86) Perylene-d12	15.44	264	198493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	58459	19.71	ng	-0.01
7) Phenol-d6	6.46	99	83237	21.56	ng	-0.02
23) Nitrobenzene-d5	7.39	82	47238	12.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	22654	17.72	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	94251	11.47	ng	-0.01
78) Terphenyl-d14	12.95	244	106044	10.94	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	436959	39.69	ng	99
37) 2-Methylnaphthalene	8.83	142	104413	13.68	ng	99
48) Acenaphthylene	9.74	152	27156	2.13	ng	# 96
49) Dimethylphthalate	9.59	163	24121	2.51	ng	100
51) Acenaphthene	9.91	154	22131	2.89	ng	98
57) Fluorene	10.42	166	37450	4.34	ng	97
70) Phenanthrene	11.38	178	155057	11.46	ng	97
71) Anthracene	11.44	178	43222	3.10	ng	98
74) Fluoranthene	12.57	202	54697	3.77	ng	99
77) Pyrene	12.80	202	87549	5.74	ng	97
80) Benzo(a)anthracene	13.99	228	32027	2.40	ng	94

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

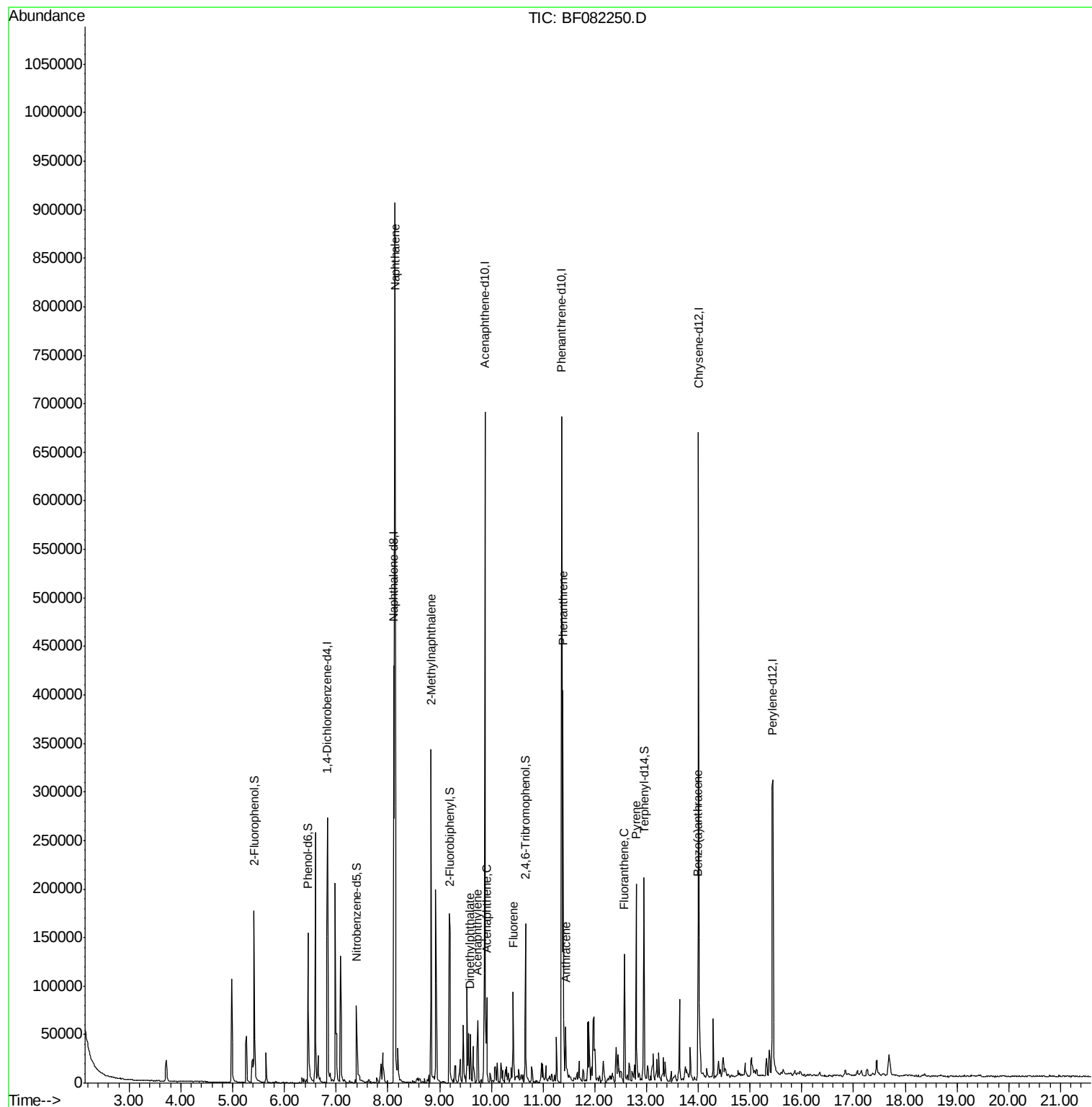
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082250.D
Acq On : 13 Oct 2015 8:31
Operator : UM/IZ
Sample : G3974-02DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

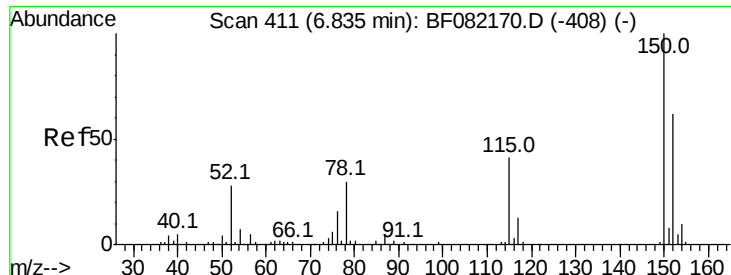
Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

Manual Integrations
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10/13/2015 1:25:30 PM

Quant Time: Oct 13 09:02:03 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

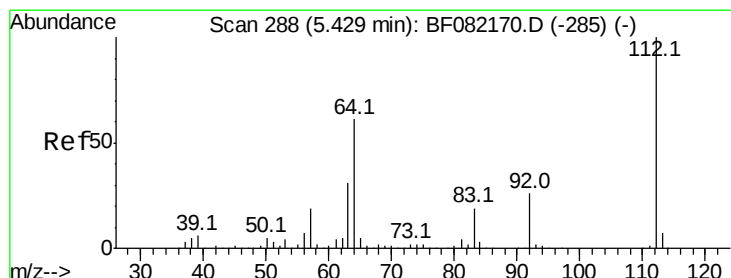
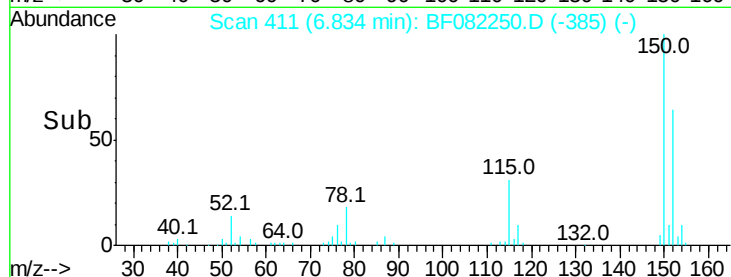
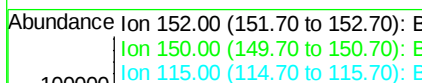
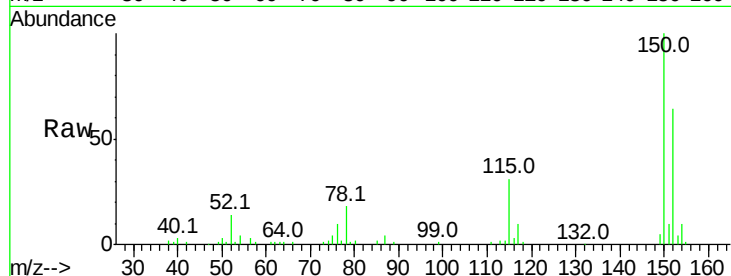
ClientSampleId :

MGP222BR-22-24DL

Tot Ion:	152	Resp:	59864
Ion Ratio	Lower	Upper	
152	100		
150	156.5	129.0	193.4
115	49.3	52.1	78.1#

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#5

2-Fluorophenol

Concen: 19.71 ng

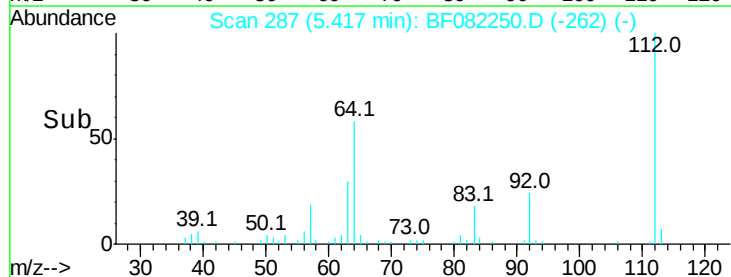
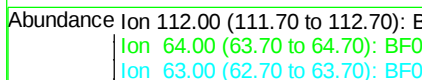
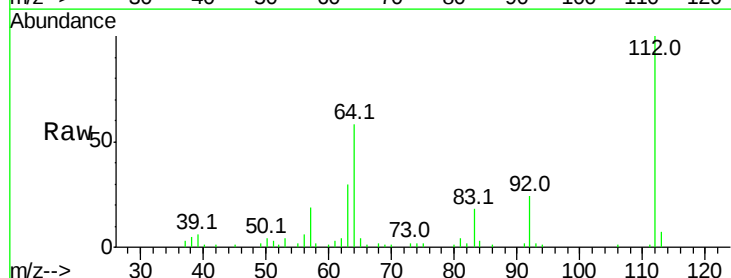
RT: 5.42 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion:	112	Resp:	58459
Ion Ratio	Lower	Upper	
112	100		
64	58.2	48.6	73.0
63	30.2	25.1	37.7





#7

Phenol-d6

Concen: 21.56 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

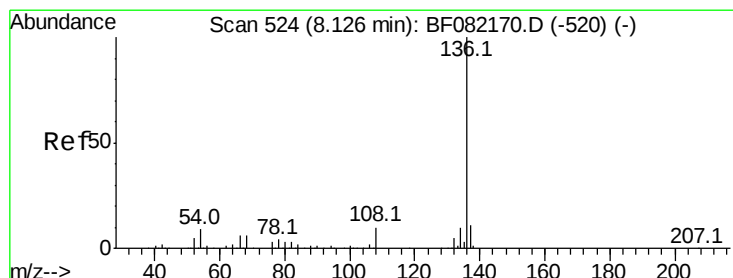
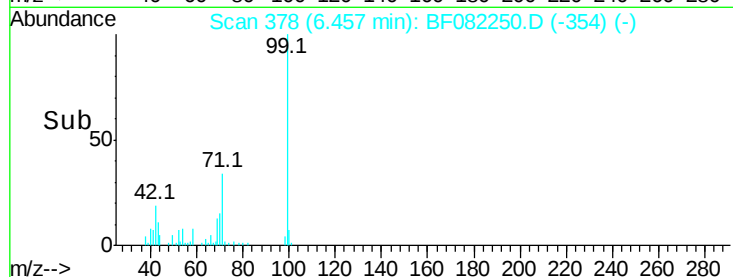
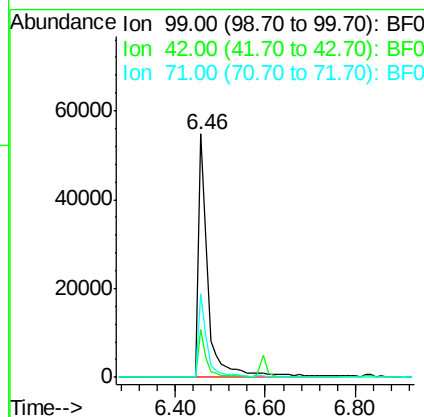
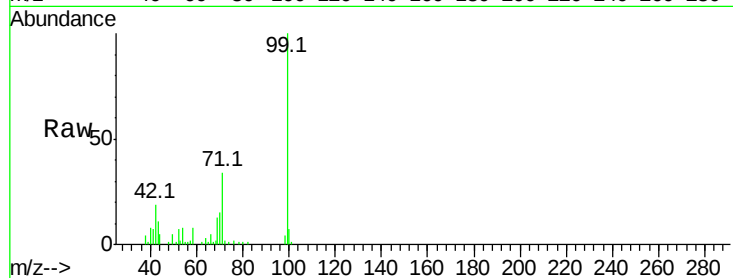
ClientSampleId :

MGP222BR-22-24DL

Tot Ion:	99	Resp:	83237
Ion Ratio	Lower	Upper	
99	100		
42	19.5	13.2	19.8
71	34.1	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

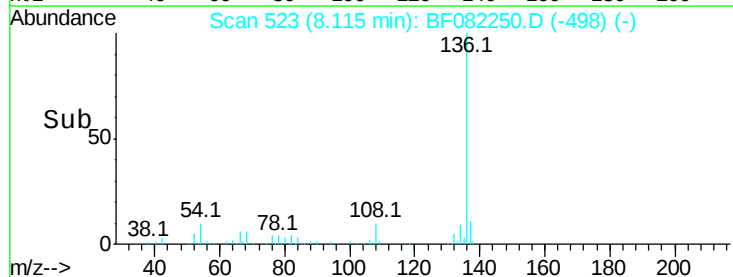
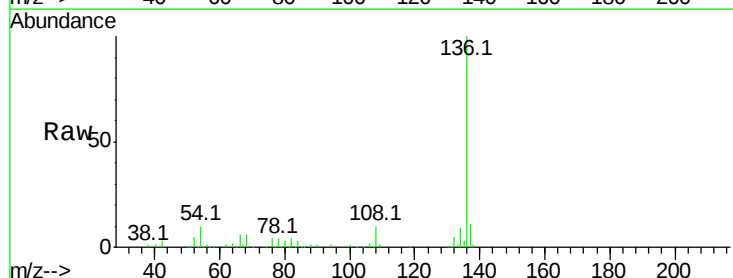
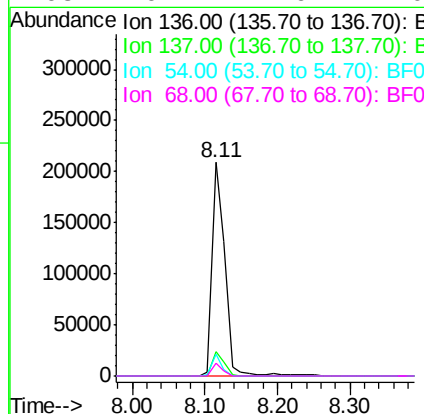
RT: 8.11 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion:	136	Resp:	253976
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	10.1	7.5	11.3
68	6.1	4.6	7.0





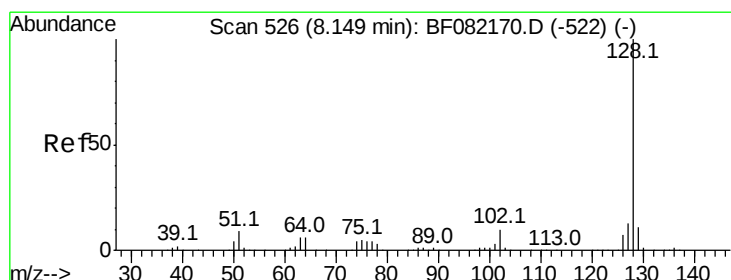
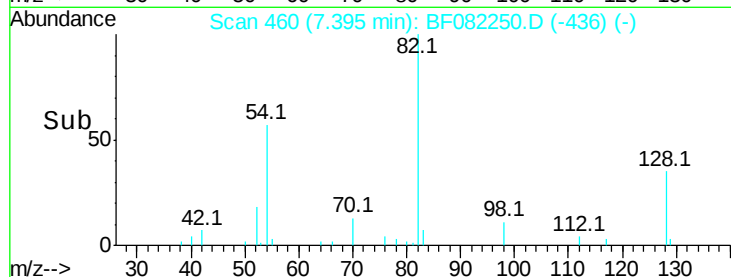
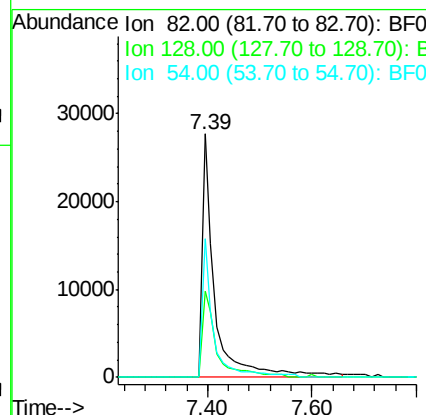
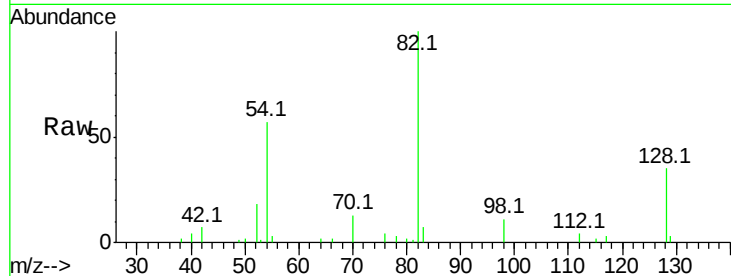
#23
Nitrobenzene-d5
Concen: 12.49 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.2	38.7	58.1#
54	57.0	40.1	60.1

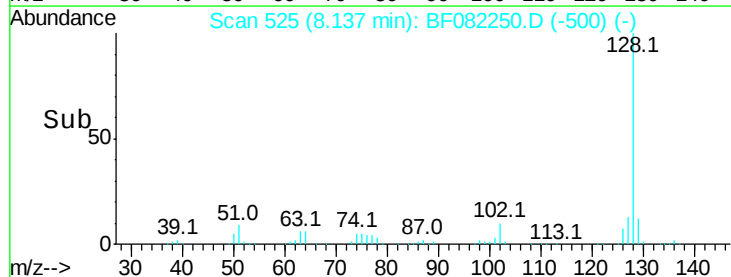
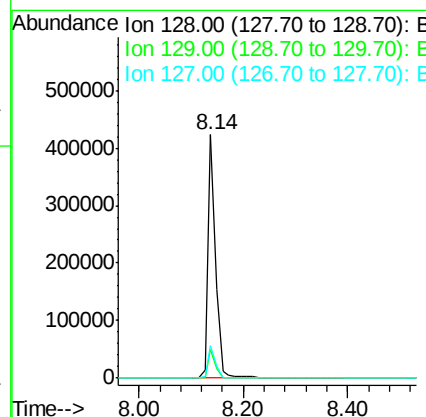
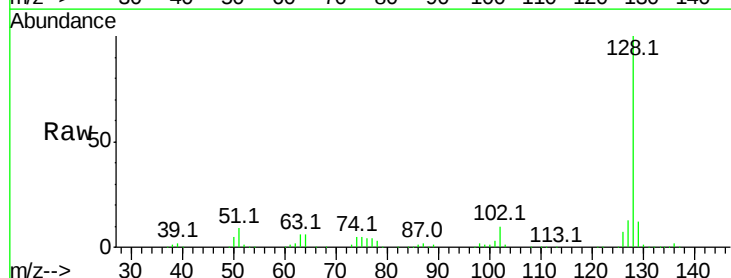
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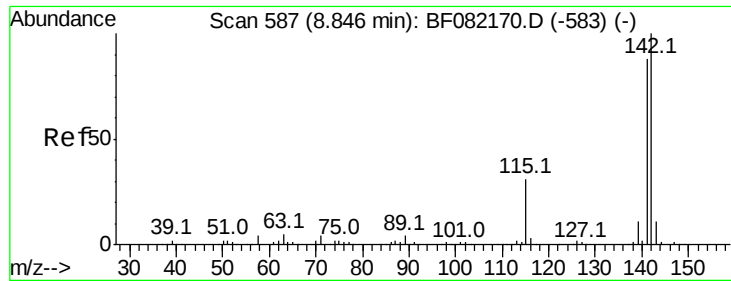
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#31
Naphthalene
Concen: 39.69 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.2	10.7	16.1





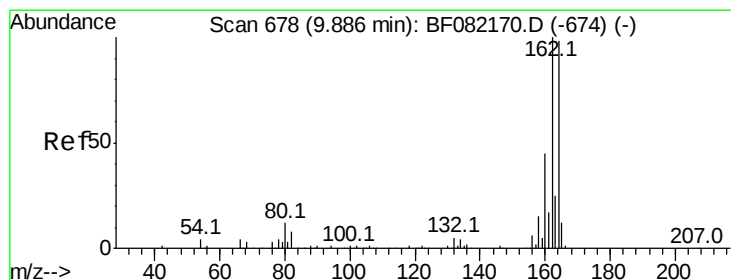
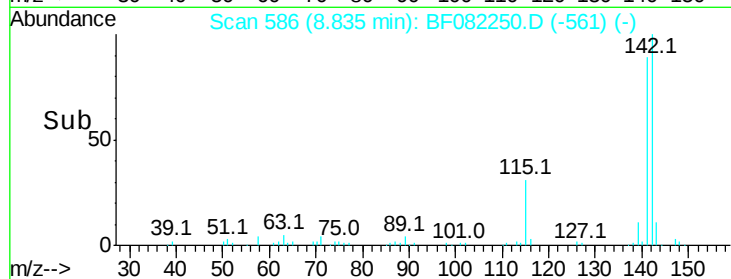
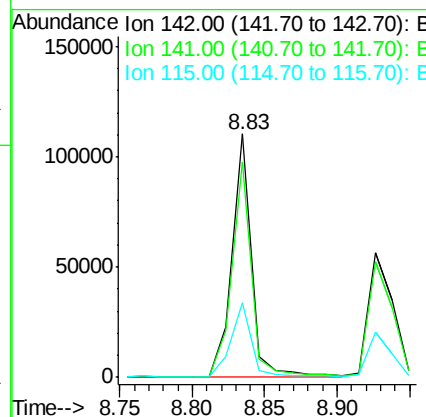
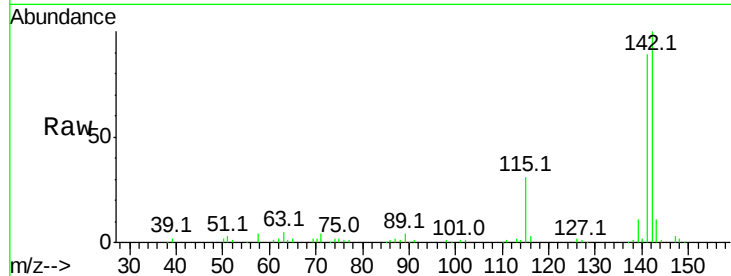
#37
2-Methylnaphthalene
Concen: 13.68 ng
RT: 8.83 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	104413		
141	88.7	70.4	105.6	
115	30.8	24.6	37.0	

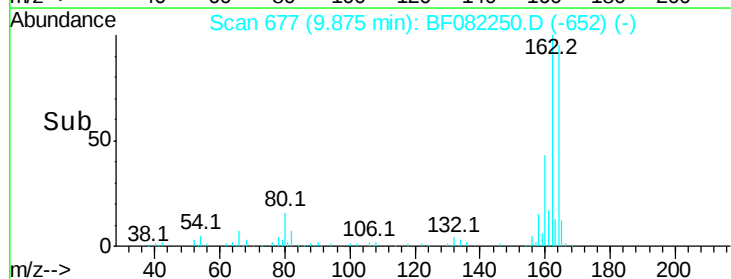
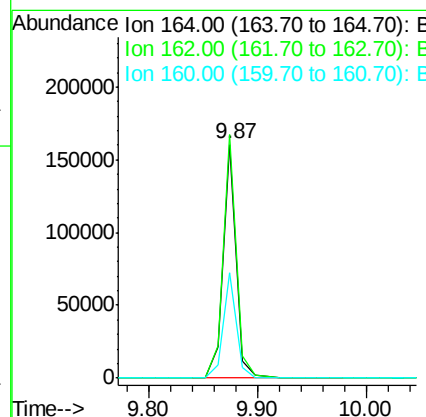
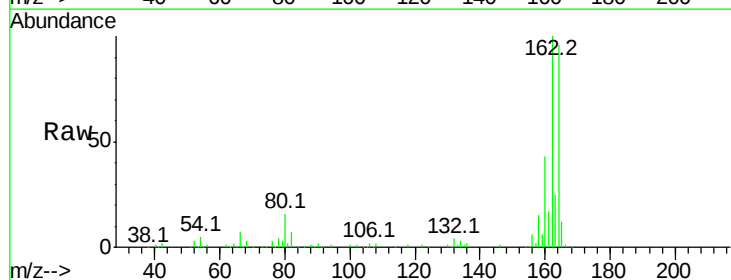
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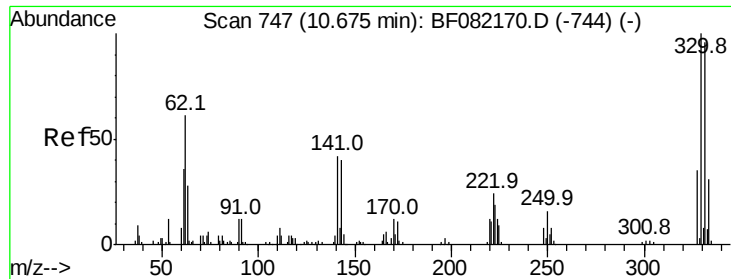
MMdadoda
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136308		
162	104.1	81.6	122.4	
160	44.8	36.4	54.6	





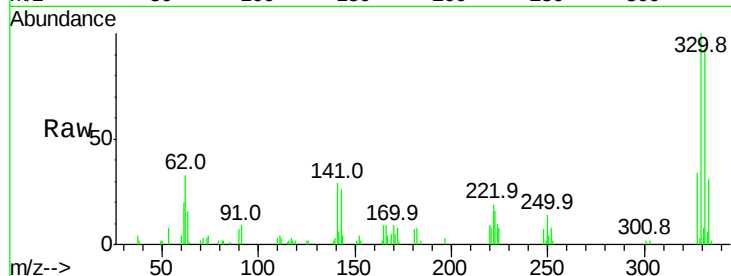
#41
 2,4,6-Tribromophenol
 Concen: 17.72 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

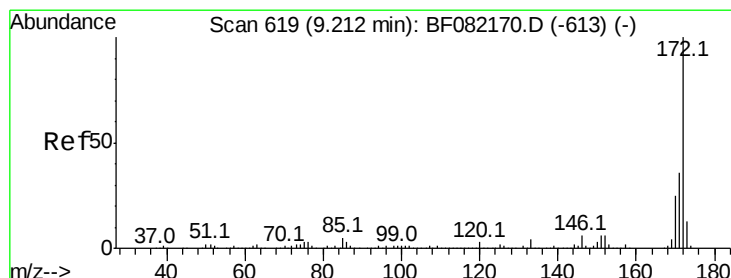
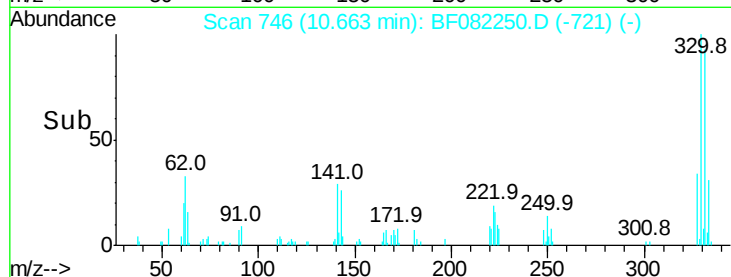
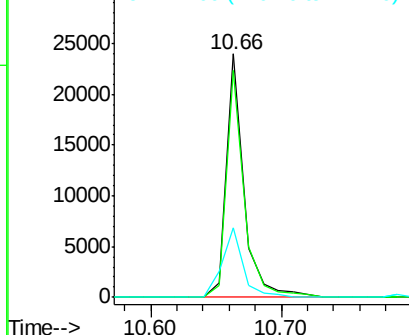
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.5	77.1	115.7	
141	34.6	29.8	44.8	

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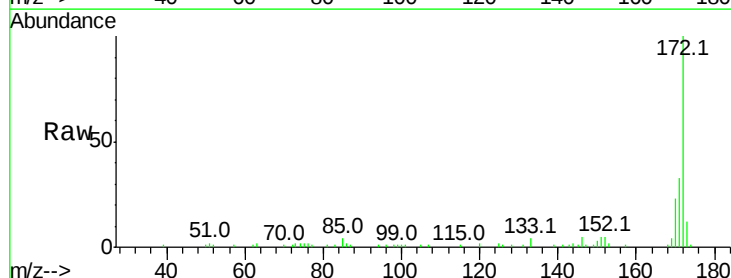


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

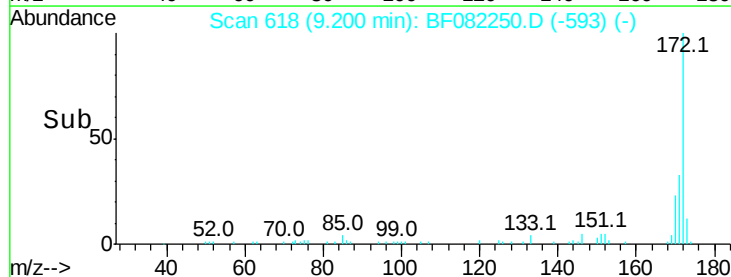
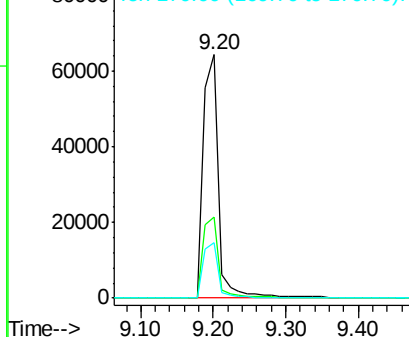


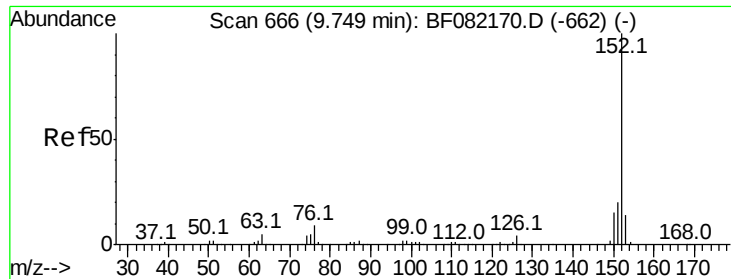
#44
 2-Fluorobiphenyl
 Concen: 11.47 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.2	28.6	42.8	
170	22.6	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: 2.13 ng

RT: 9.74 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

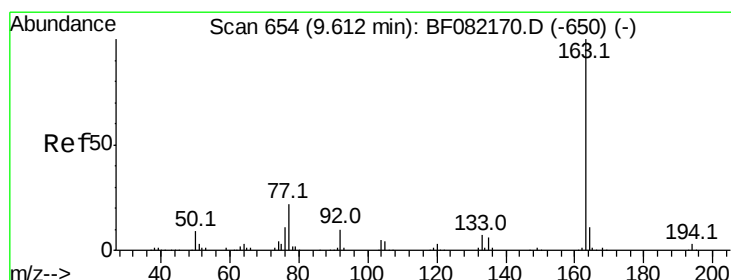
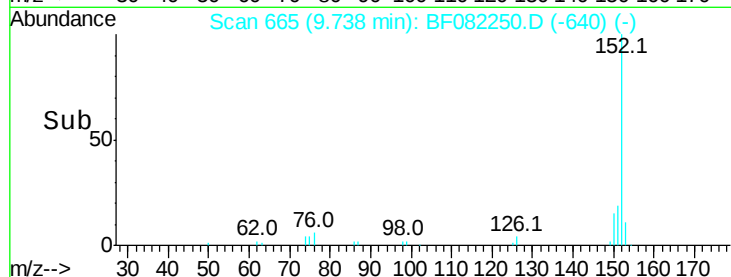
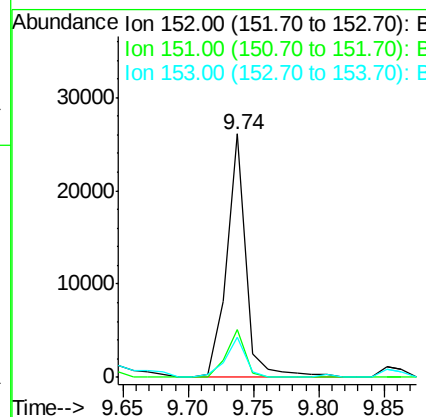
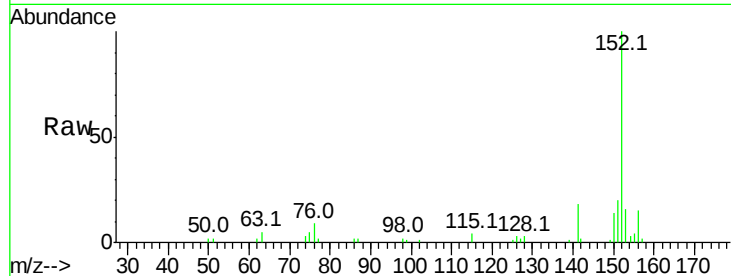
ClientSampleId :

MGP222BR-22-24DL

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	19.9	16.4	24.6
153	16.3	10.8	16.2#

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#49

Dimethylphthalate

Concen: 2.51 ng

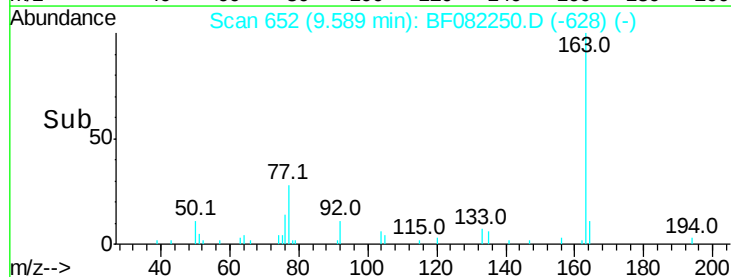
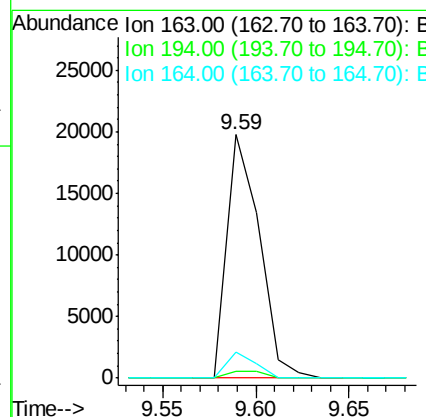
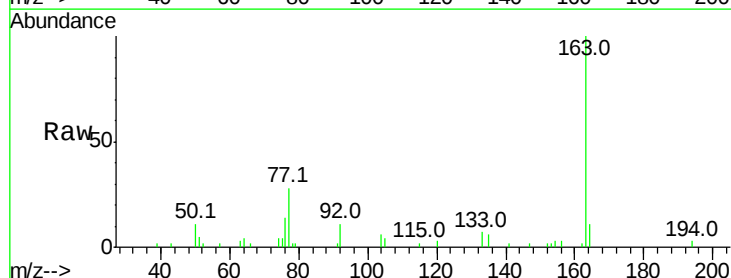
RT: 9.59 min Scan# 652

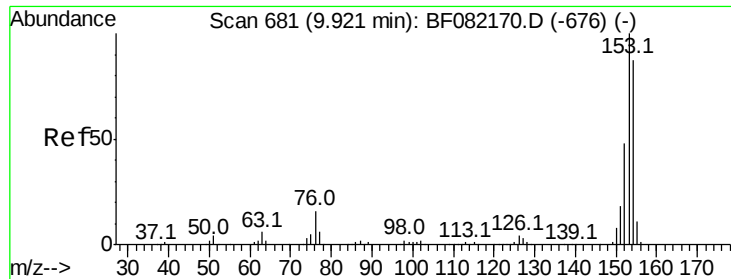
Delta R.T. -0.02 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.5	8.5	12.7





#51

Acenaphthene

Concen: 2.89 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

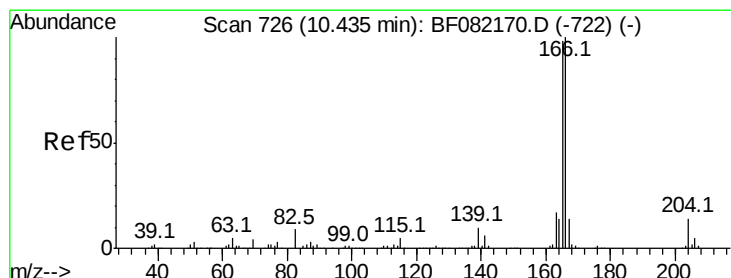
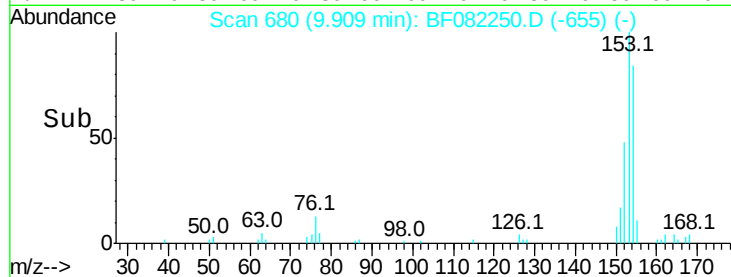
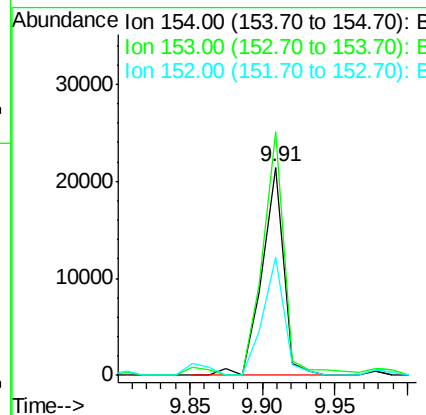
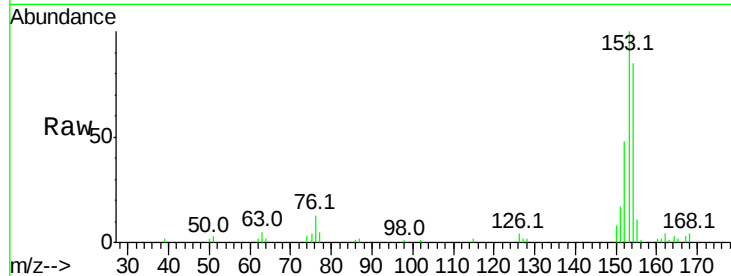
ClientSampleId :

MGP222BR-22-24DL

Tot Ion:	154	Resp:	22131
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.4	137.2
152	56.7	44.3	66.5

Manual Integrations
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#57

Fluorene

Concen: 4.34 ng

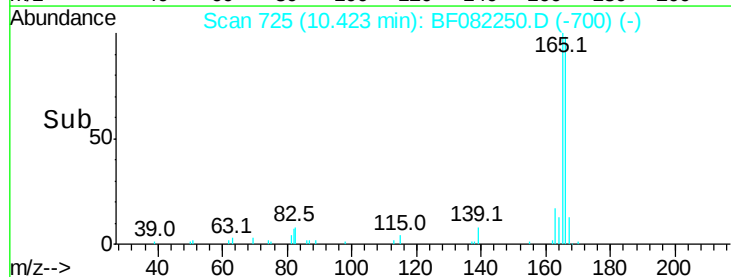
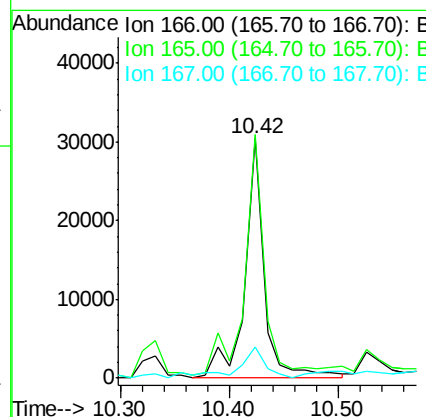
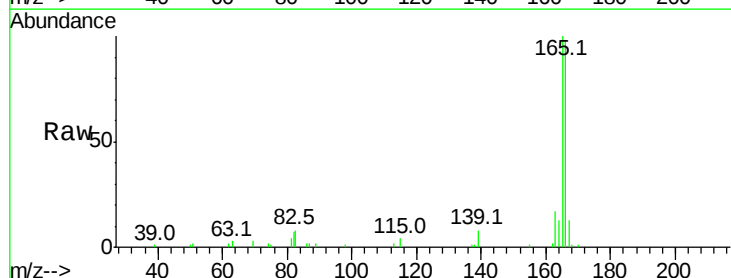
RT: 10.42 min Scan# 725

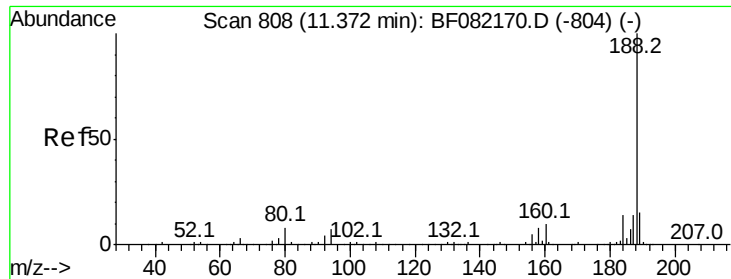
Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion:	166	Resp:	37450
Ion Ratio	Lower	Upper	
166	100		
165	101.6	78.3	117.5
167	13.2	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: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

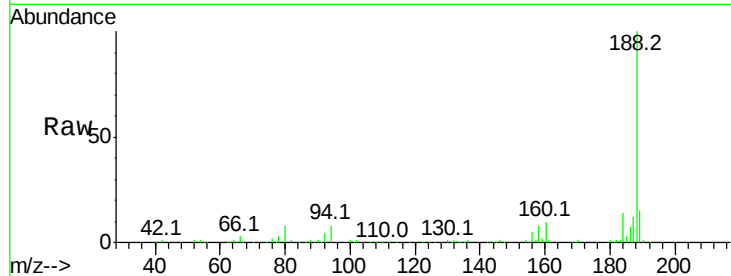
ClientSampleId :

MGP222BR-22-24DL

Tot Ion:	188	Resp:	275946
Ion Ratio	Lower	Upper	
188	100		
94	7.8	5.8	8.6
80	8.3	6.4	9.6

Manual Integrations
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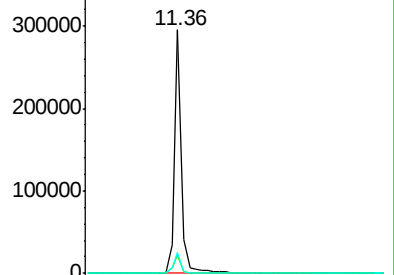
MMdadoda
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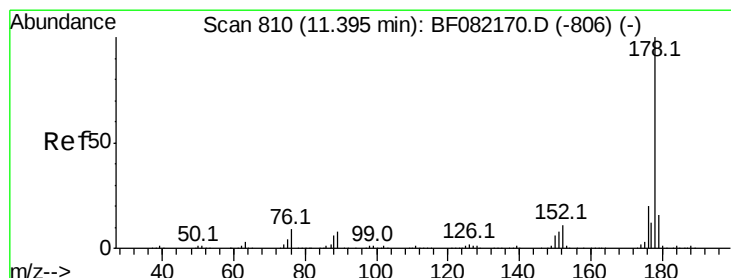
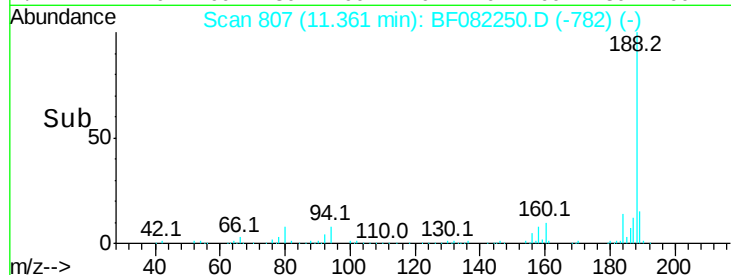
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 11.46 ng

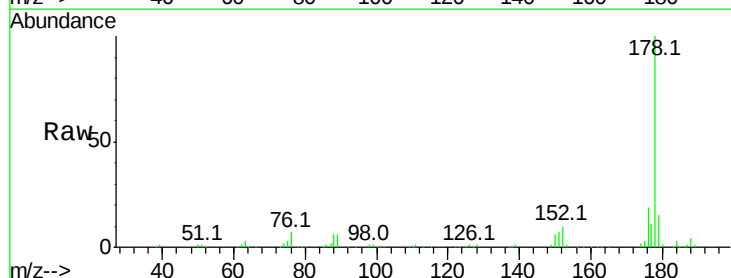
RT: 11.38 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

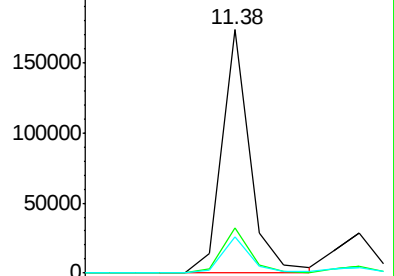
Tgt Ion:	178	Resp:	155057
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.0	24.0
179	15.0	12.6	19.0



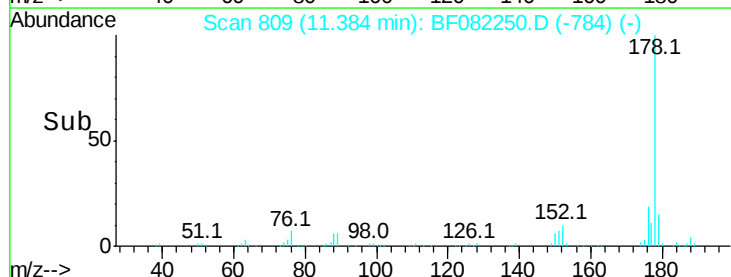
Abundance Ion 178.00 (177.70 to 178.70): E

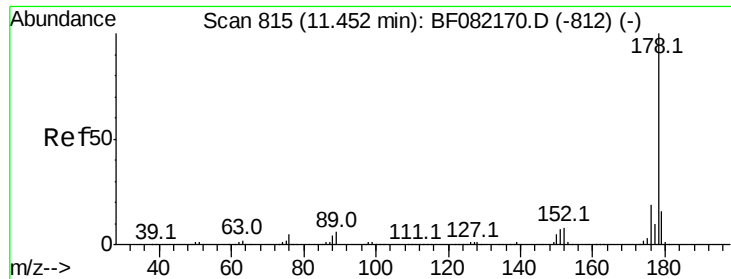
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





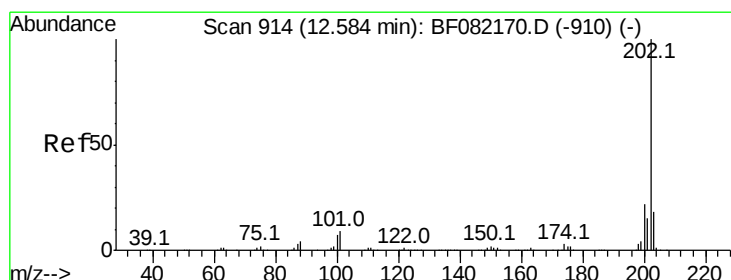
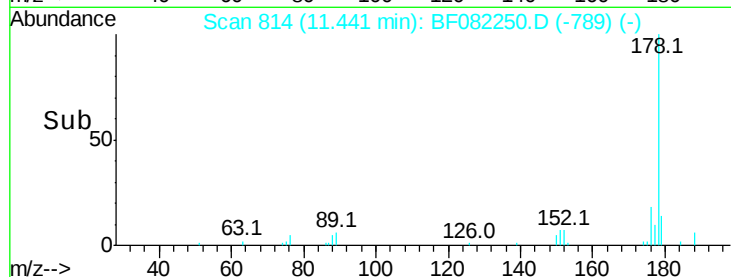
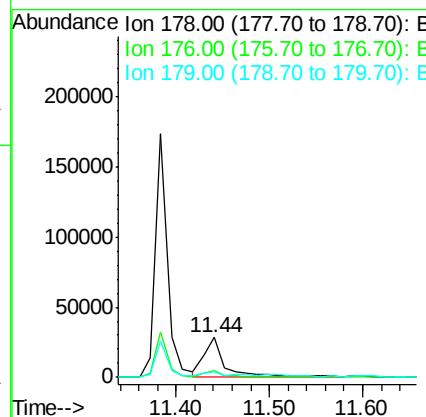
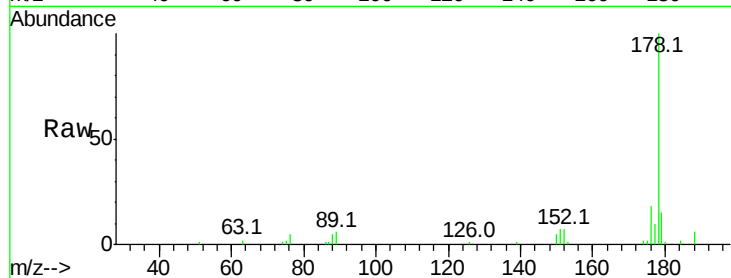
#71
 Anthracene
 Concen: 3.10 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	15.3	12.5	18.7

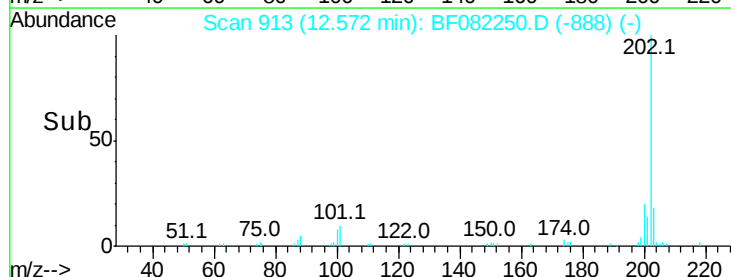
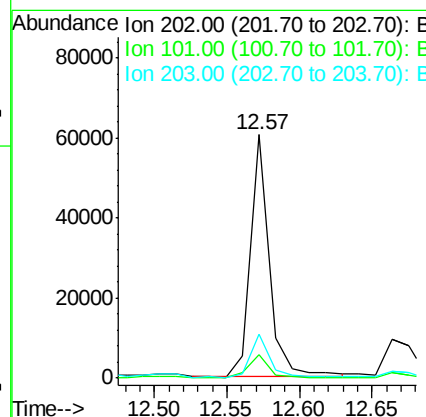
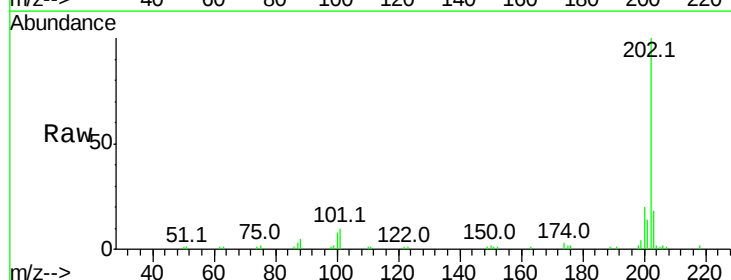
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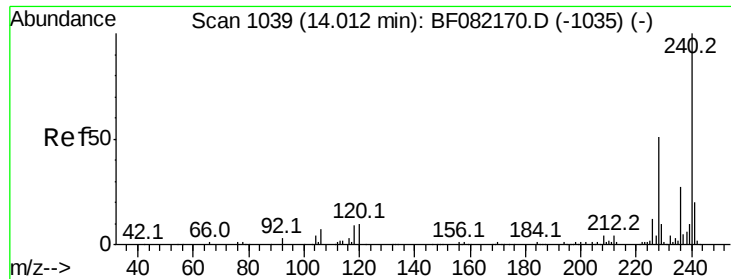
MMdadoda
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#74
 Fluoranthene
 Concen: 3.77 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.3
203	18.1	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: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

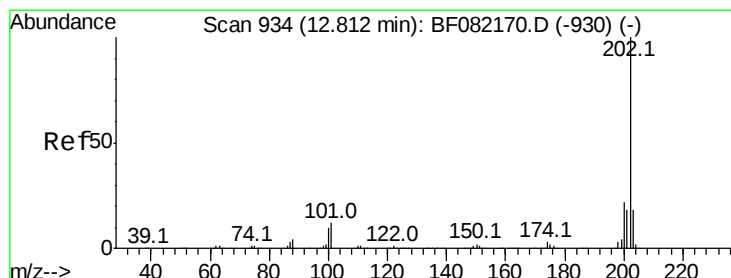
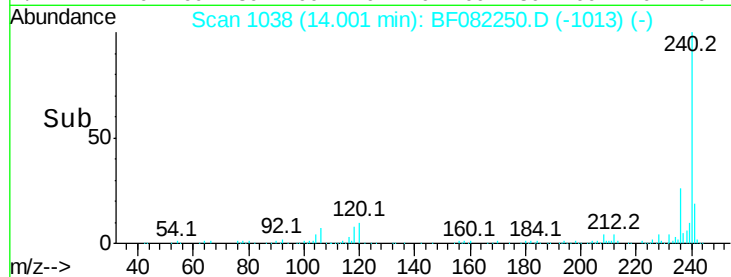
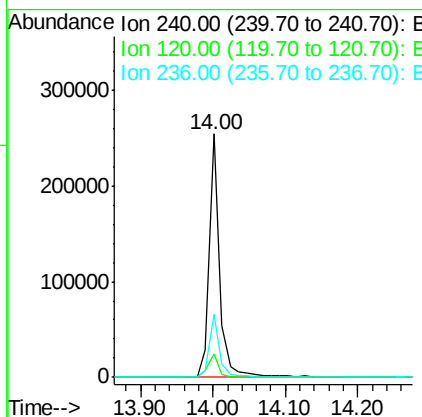
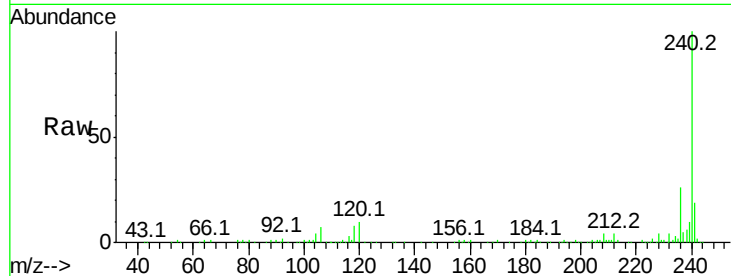
ClientSampleId :

MGP222BR-22-24DL

Tot Ion:	240	Resp:	256848
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.1	12.1
236	25.8	21.3	31.9

Manual Integrations
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#77

Pyrene

Concen: 5.74 ng

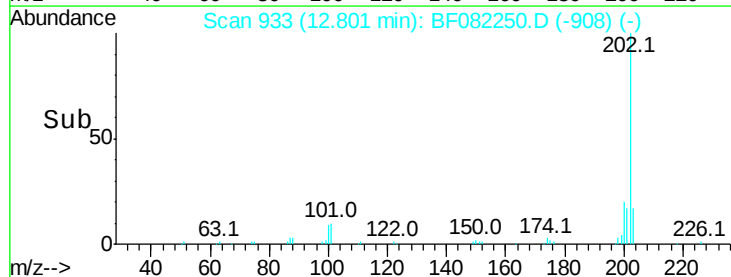
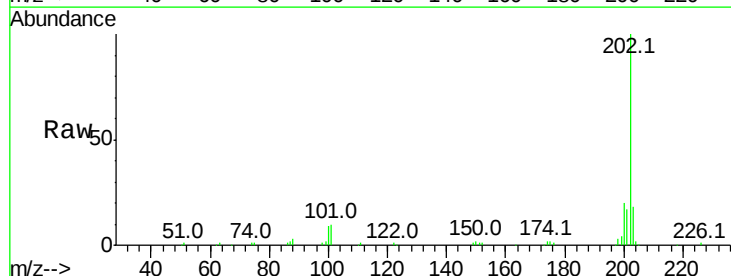
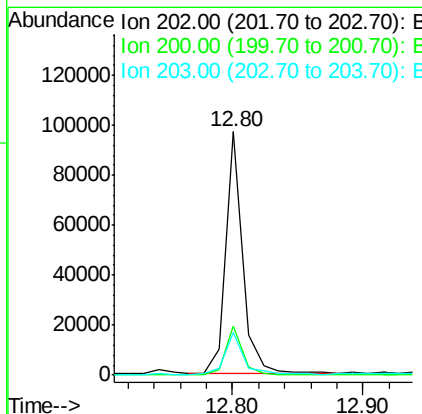
RT: 12.80 min Scan# 933

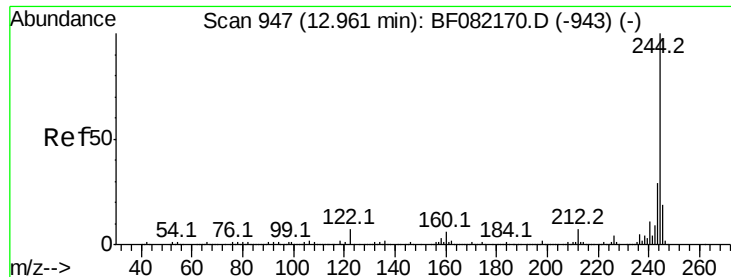
Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion:	202	Resp:	87549
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.9	26.9
203	17.7	14.5	21.7





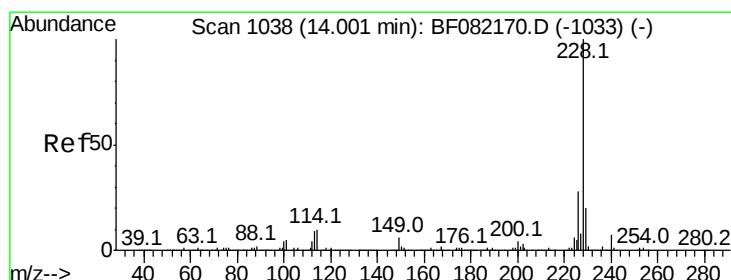
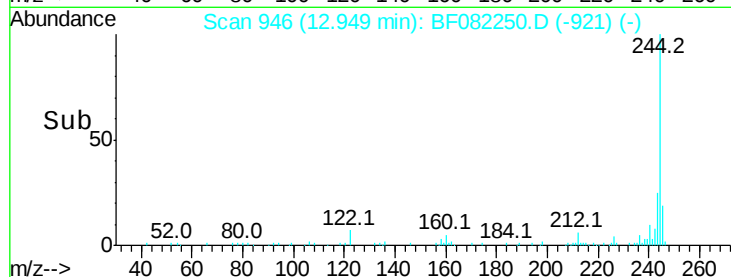
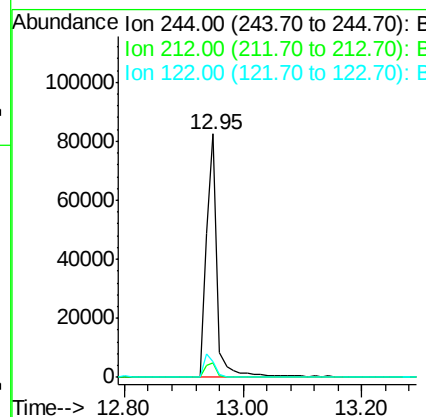
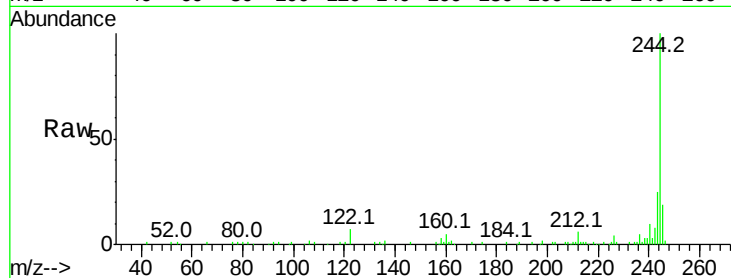
#78
 Terphenyl-d14
 Concen: 10.94 ng
 RT: 12.95 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

Tot Ion:	244	Resp:	106044
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.8	8.6
122	6.5	5.9	8.9

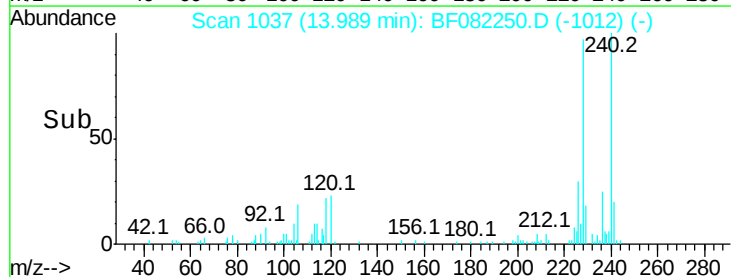
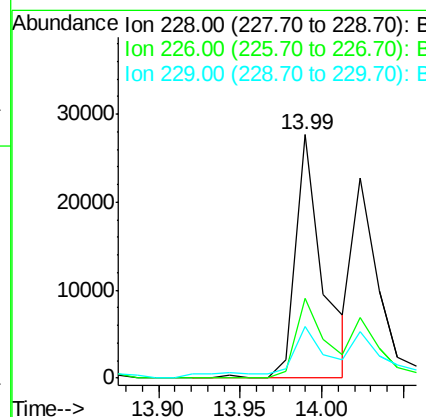
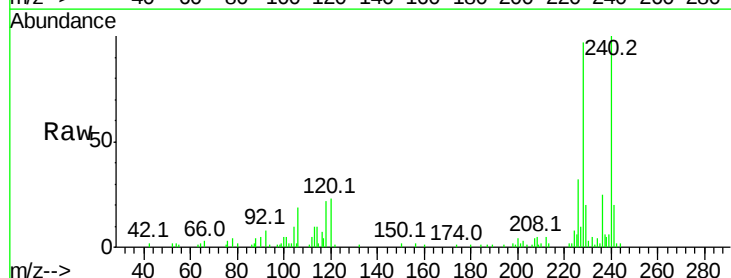
Manual Integrations
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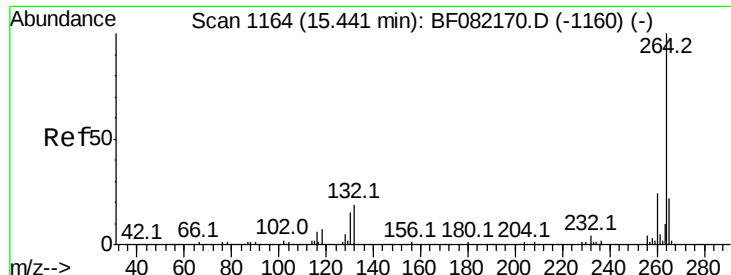
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#80
 Benzo(a)anthracene
 Concen: 2.40 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Tgt Ion:	228	Resp:	32027
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.3	33.5
229	20.9	16.2	24.2





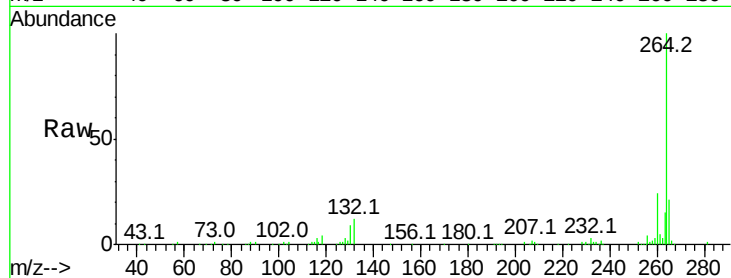
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

Tot Ion:	264	Resp:	198493
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.6
265	21.5	17.3	25.9

Manual Integrations
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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

