

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082269.D
 Acq On : 13 Oct 2015 22:24
 Operator : UM/IZ
 Sample : G3997-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27

Manual Integrations
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 10/14/2015 3:51:20 PM

Quant Time: Oct 14 02:19:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	71238	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	279215	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	148981	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	261167	20.00	ng	0.00
75) Chrysene-d12	14.05	240	255995	20.00	ng	-0.09
86) Perylene-d12	15.57	264	226308	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	416063	117.87	ng	0.00
7) Phenol-d6	6.46	99	542946	118.20	ng	-0.01
23) Nitrobenzene-d5	7.39	82	333355	80.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	138832	99.37	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	640685	71.32	ng	0.00
78) Terphenyl-d14	12.96	244	687783	71.20	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.15	128	1703574	140.75	ng	99
37) 2-Methylnaphthalene	8.83	142	1013358	120.77	ng	96
45) 1,1'-Biphenyl	9.29	154	210708	18.55	ng	99
48) Acenaphthylene	9.74	152	321176	23.05	ng	# 96
49) Dimethylphthalate	9.60	163	152622	14.55	ng	98
51) Acenaphthene	9.91	154	691860	82.72	ng	100
54) Dibenzofuran	10.08	168	80211	6.99	ng	# 86
57) Fluorene	10.43	166	740628m	78.53	ng	
70) Phenanthrene	11.41	178	2797159	218.50	ng	96
71) Anthracene	11.45	178	1197052	90.75	ng	98
74) Fluoranthene	12.58	202	1155400	84.03	ng	95
77) Pyrene	12.82	202	1634702m	107.60	ng	
80) Benzo(a)anthracene	14.04	228	654354m	49.13	ng	
82) Chrysene	14.08	228	492838	35.12	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	94414	8.46	ng	95
87) Benzo(b)fluoranthene	15.14	252	273506m	19.86	ng	
88) Benzo(k)fluoranthene	15.16	252	124930m	10.80	ng	
89) Benzo(a)pyrene	15.50	252	355464	30.04	ng	99
90) Dibenzo(a,h)anthracene	17.00	278	28104	2.90	ng	97
91) Benzo(a,h,i)perylene	17.42	276	96506	10.24	ng	99

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

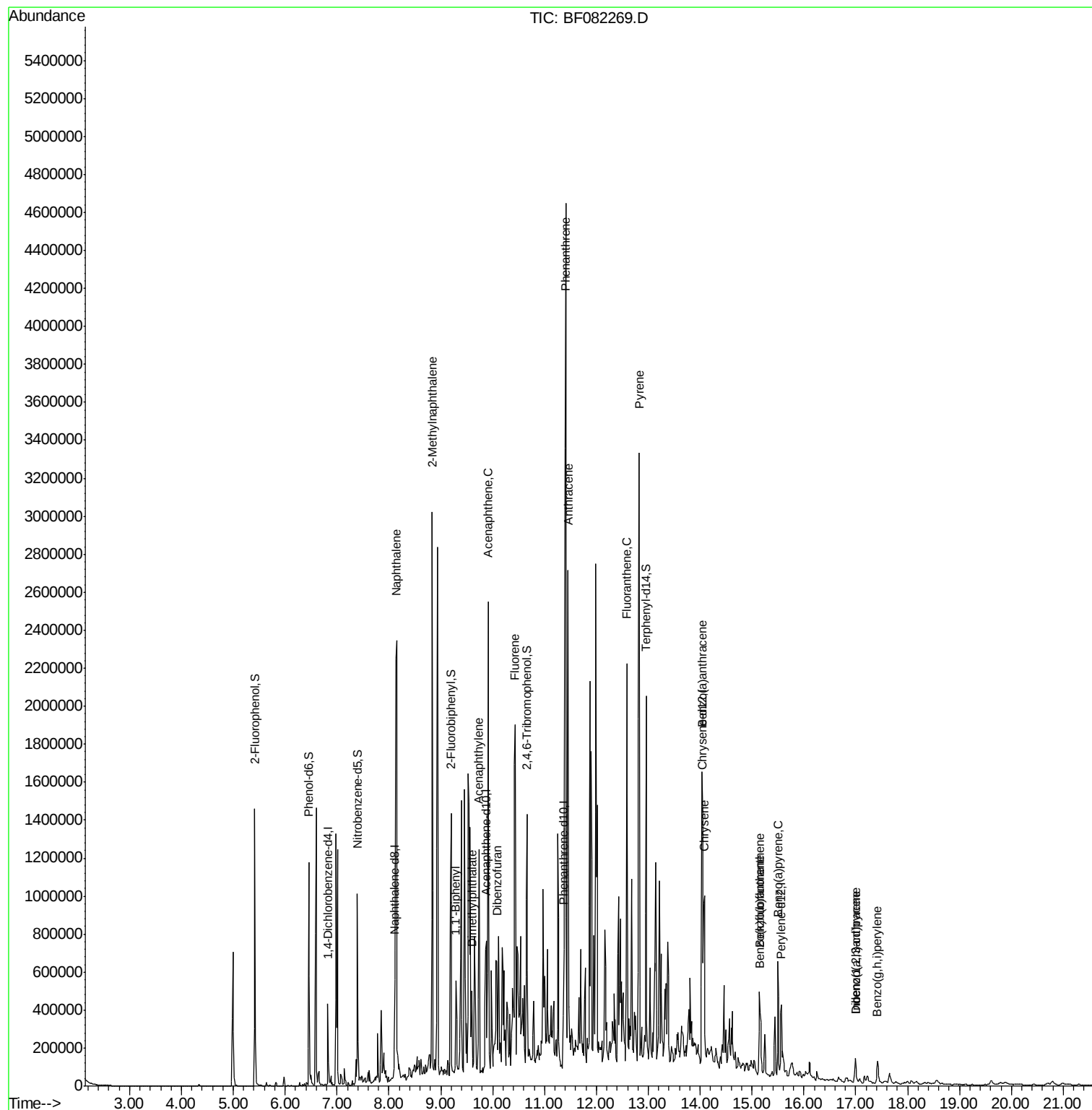
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
Data File : BF082269.D
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ALS Vial : 18 Sample Multiplier: 1

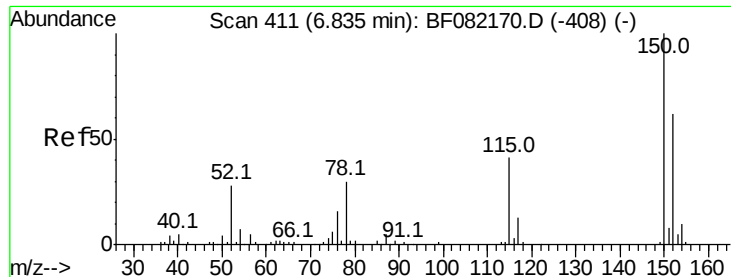
Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

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Quant Time: Oct 14 02:19:51 2015
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#1

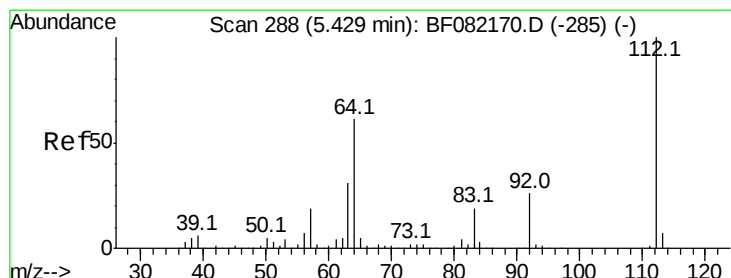
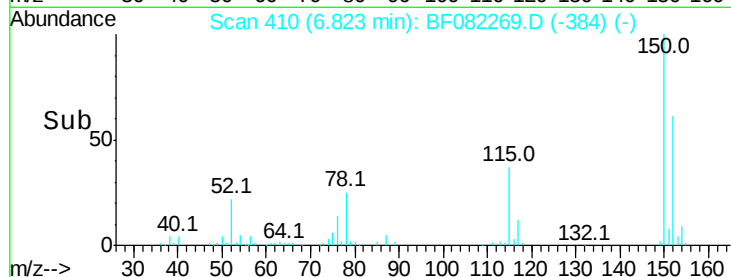
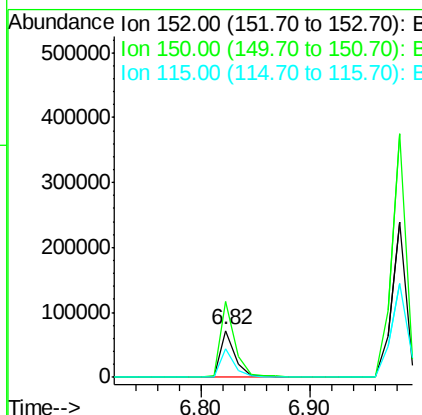
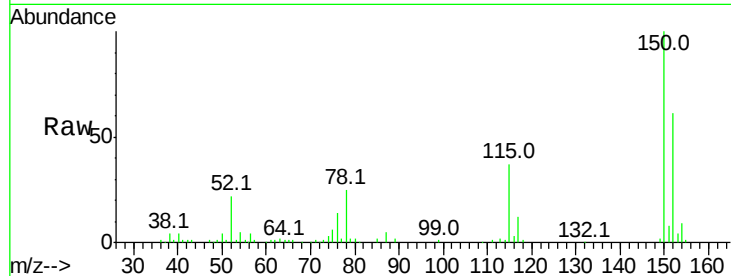
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	129.0	193.4
115	60.6	52.1	78.1

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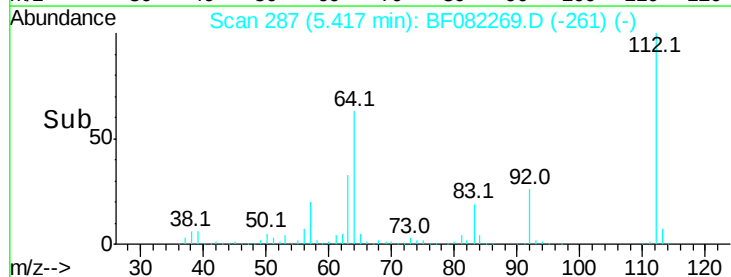
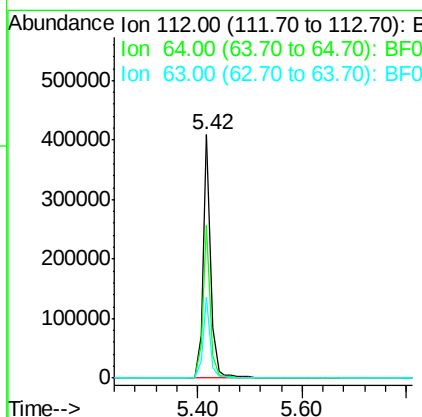
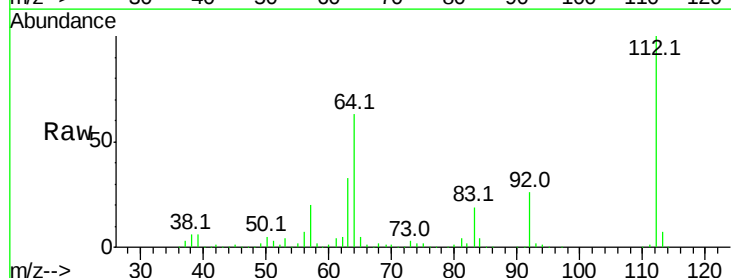
MMdadoda
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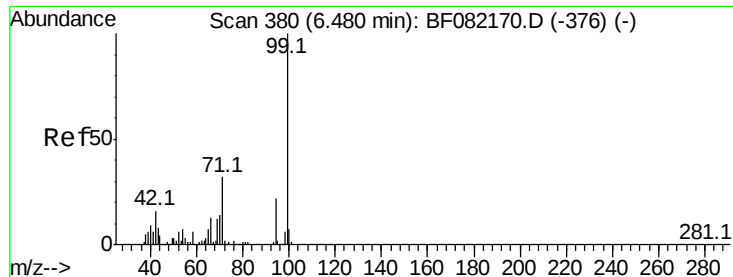


#5

2-Fluorophenol
Concen: 117.87 ng
RT: 5.42 min Scan# 287
Delta R.T. -0.00 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	48.6	73.0
63	33.3	25.1	37.7





#7

Phenol-d6

Concen: 118.20 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

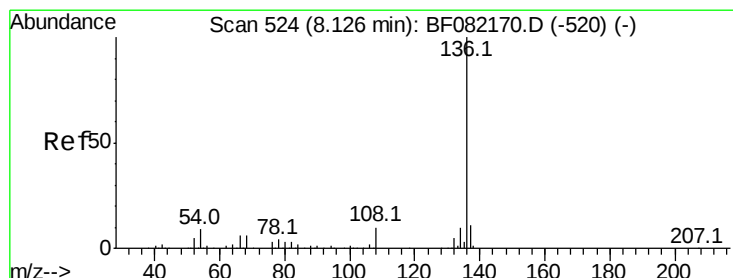
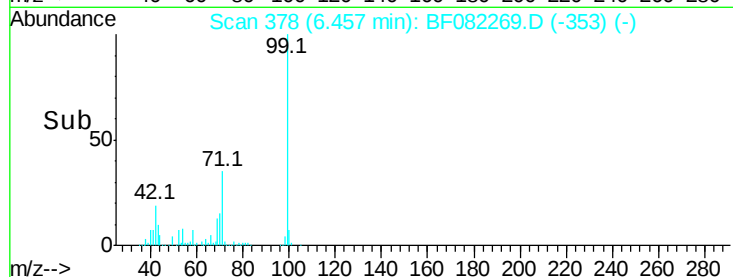
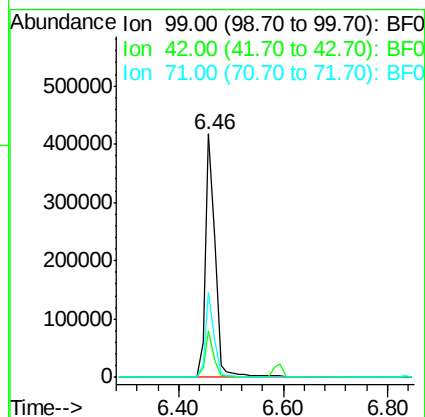
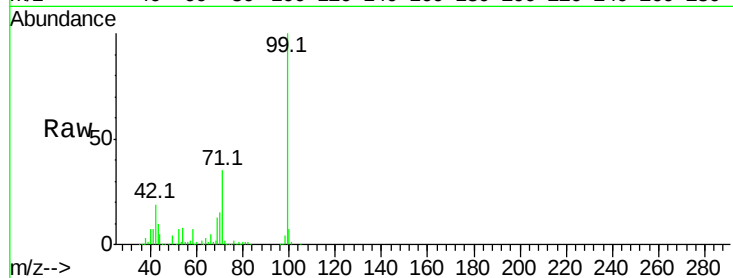
ClientSampleId :

MGP214BR-26-27

Tot Ion:	99	Resp:	542946
Ion Ratio	Lower	Upper	
99	100		
42	19.4	13.2	19.8
71	34.8	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

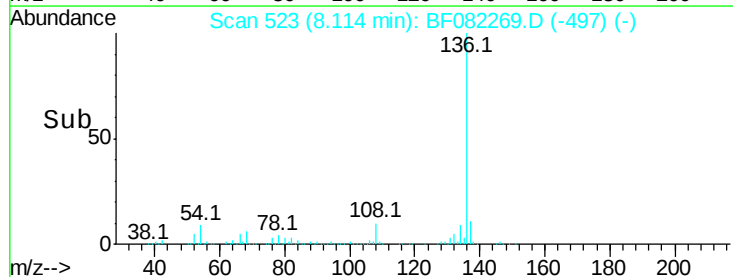
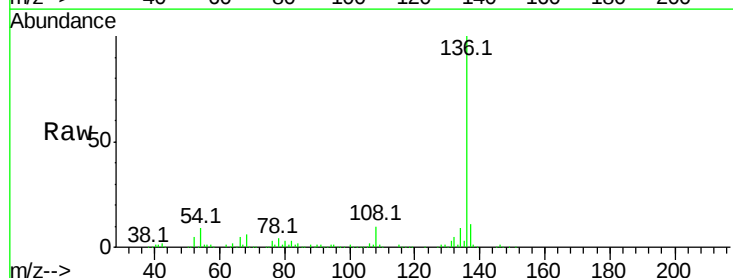
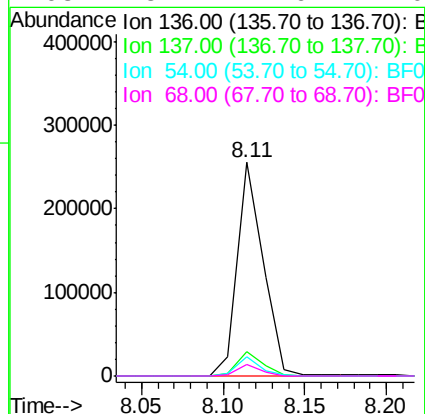
RT: 8.11 min Scan# 523

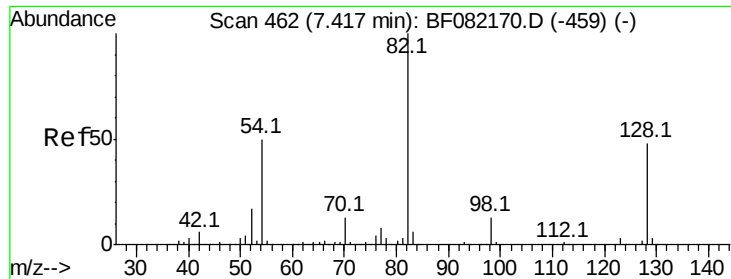
Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:	136	Resp:	279215
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.8	7.5	11.3
68	5.7	4.6	7.0





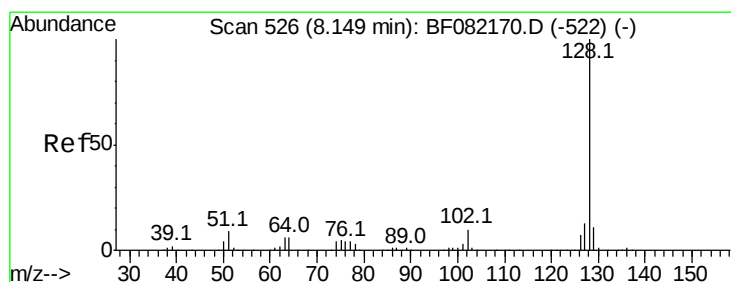
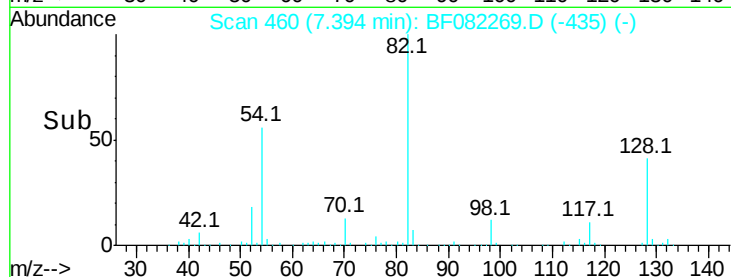
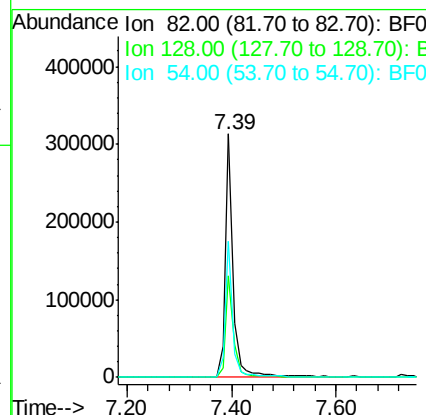
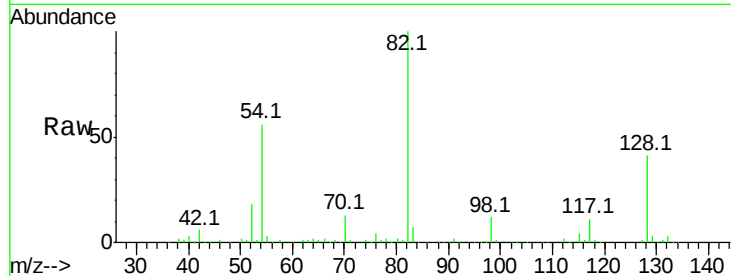
#23
Nitrobenzene-d5
Concen: 80.18 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.4	38.7	58.1	
54	55.9	40.1	60.1	

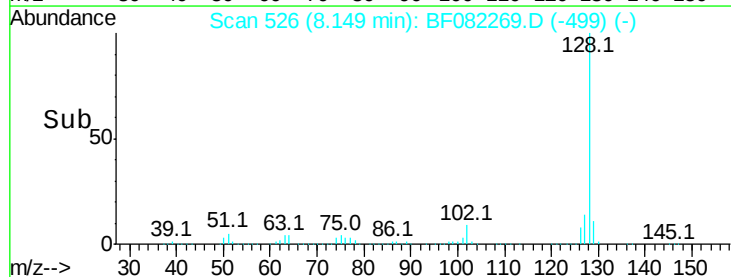
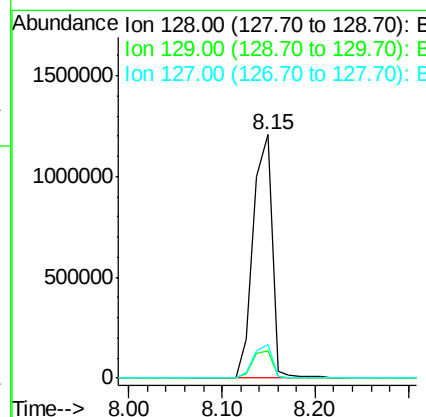
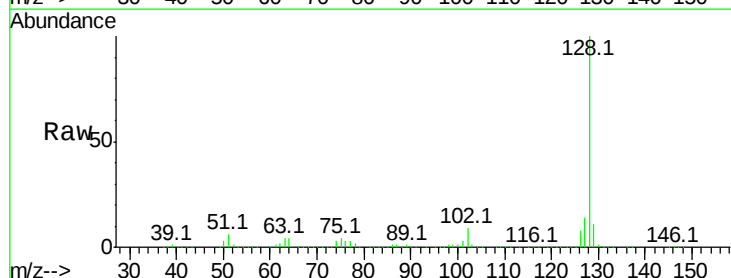
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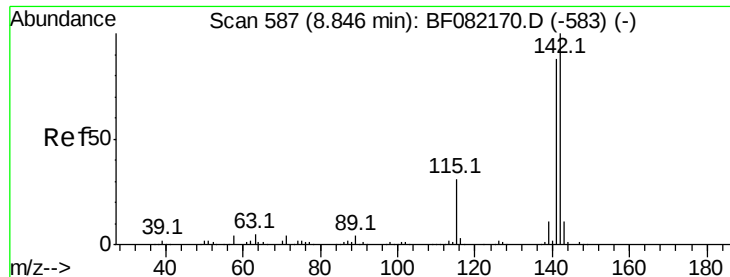
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#31
Naphthalene
Concen: 140.75 ng
RT: 8.15 min Scan# 526
Delta R.T. 0.01 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.4	9.1	13.7	
127	14.0	10.7	16.1	





#37

2-Methylnaphthalene

Concen: 120.77 ng

RT: 8.83 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF082269.D

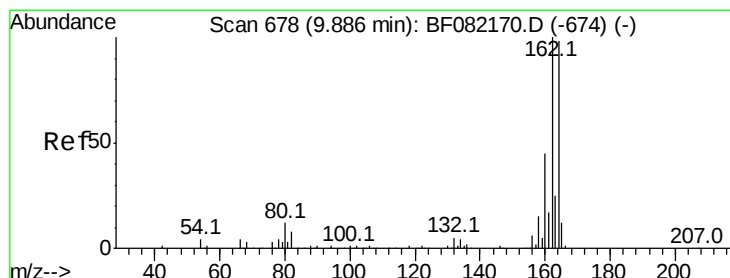
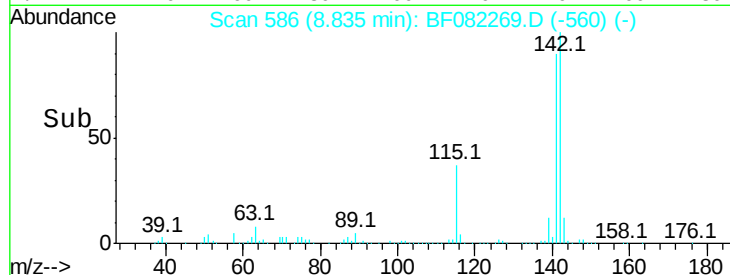
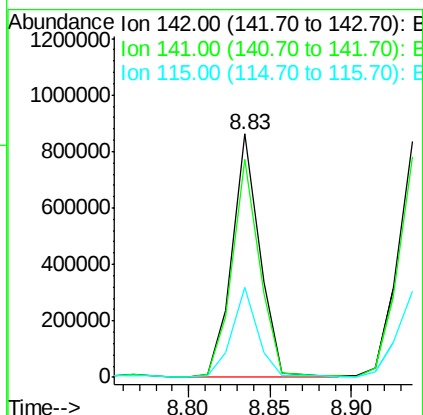
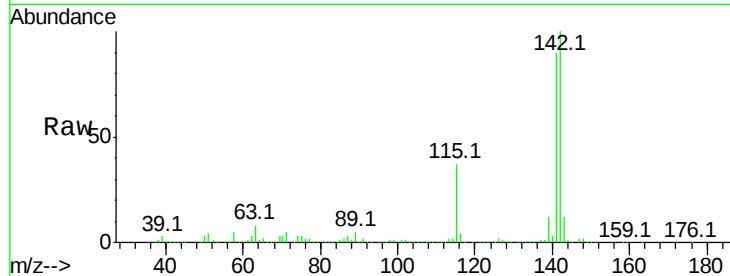
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.4	105.6
115	36.9	24.6	37.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

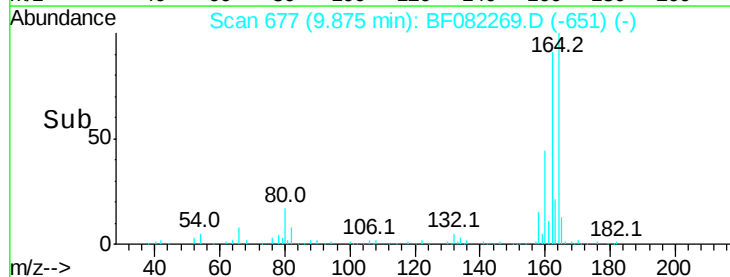
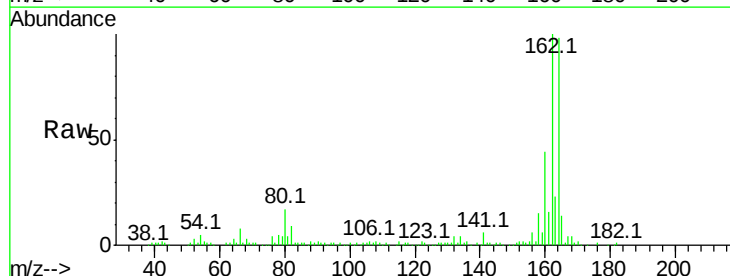
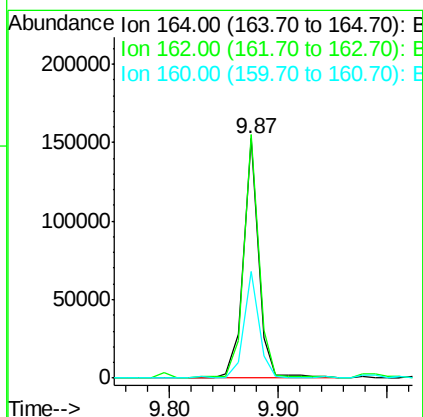
RT: 9.87 min Scan# 677

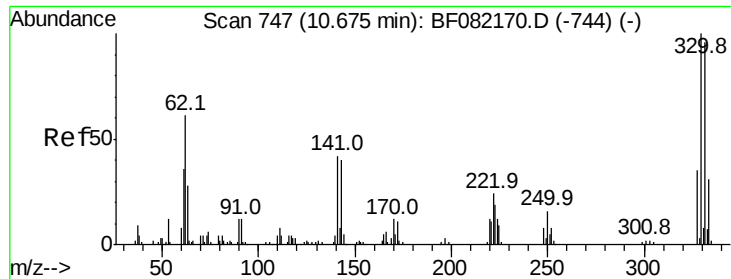
Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.6	122.4
160	44.6	36.4	54.6





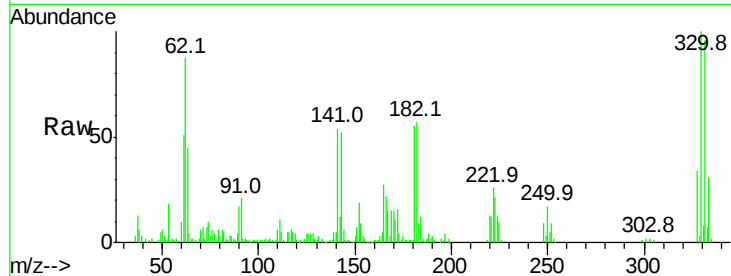
#41
 2,4,6-Tribromophenol
 Concen: 99.37 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27

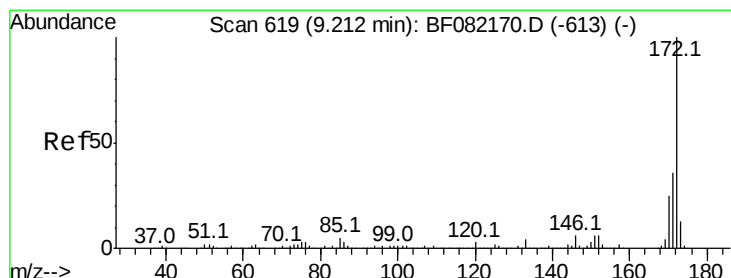
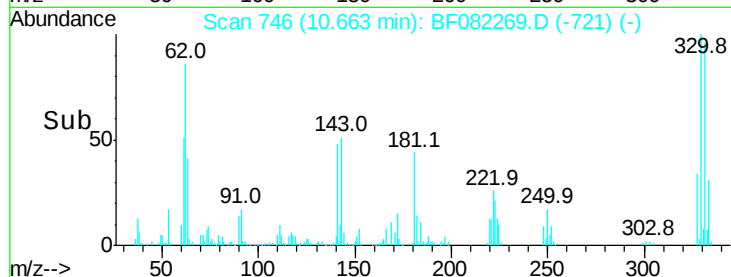
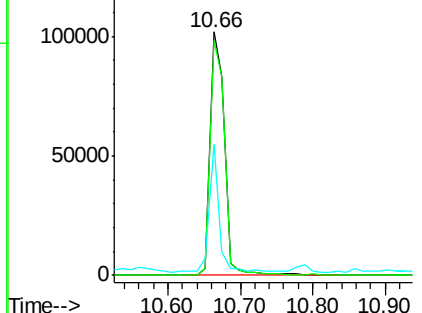
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	77.1	115.7	
141	35.0	29.8	44.8	

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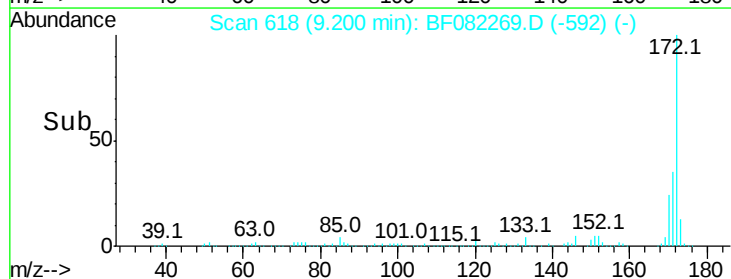
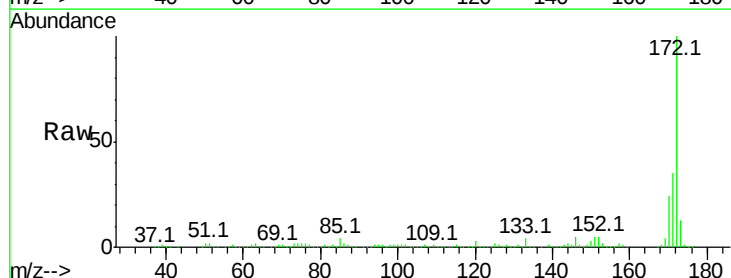
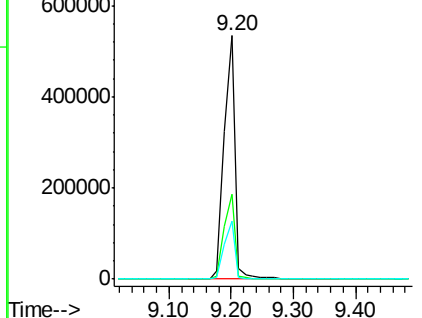
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

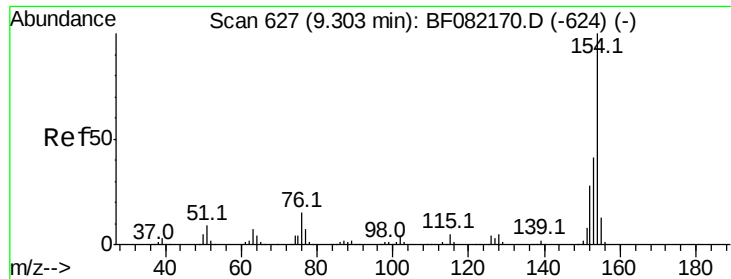


#44
 2-Fluorobiphenyl
 Concen: 71.32 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	28.6	42.8	
170	23.8	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





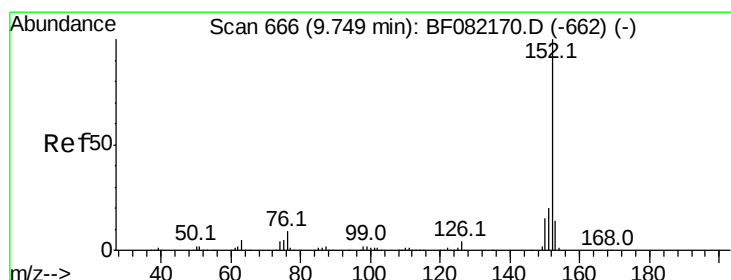
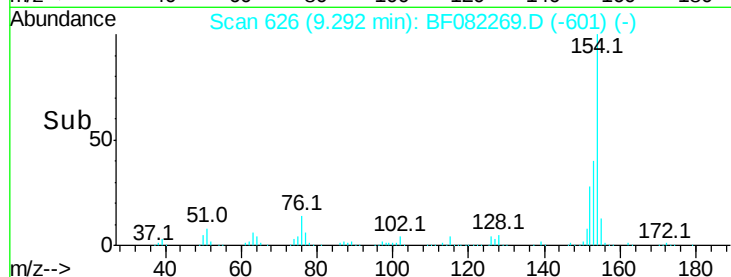
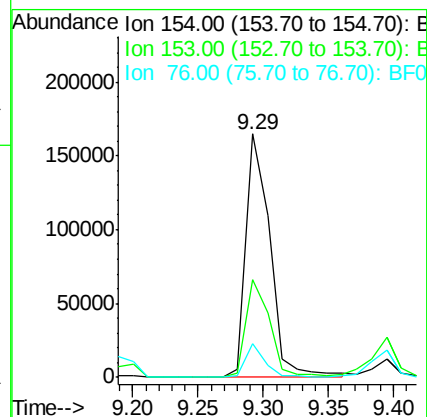
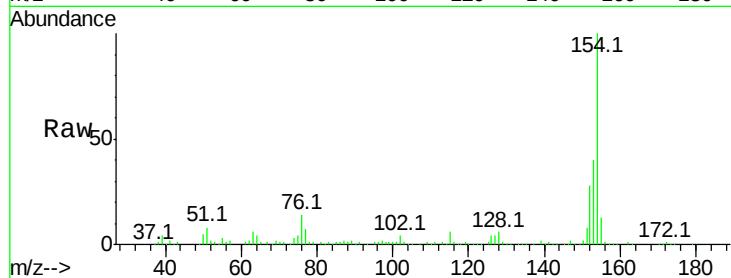
#45
1,1'-Biphenyl
Concen: 18.55 ng
RT: 9.29 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Resp	Lower	Upper
154	100	210708		
153	40.3	20.6	60.6	
76	13.6	0.0	35.2	

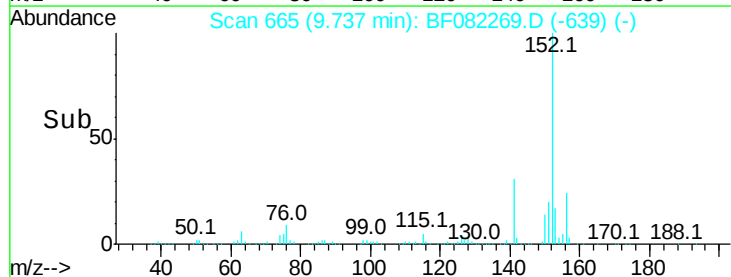
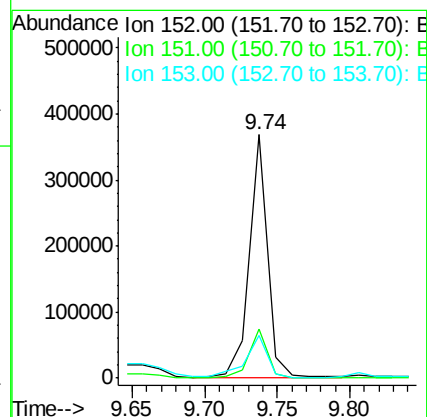
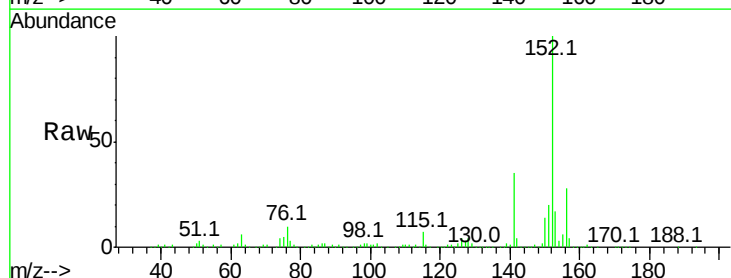
Manual Integrations
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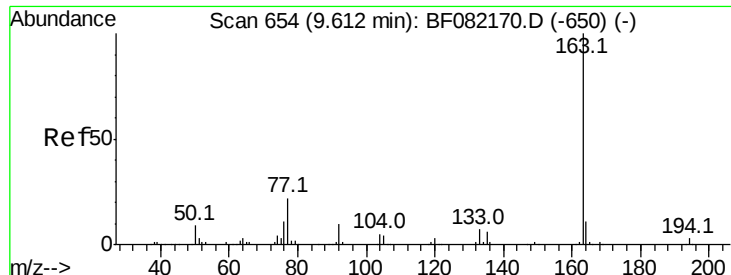
MMdadoda
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#48
Acenaphthylene
Concen: 23.05 ng
RT: 9.74 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	321176		
151	20.4	16.4	24.6	
153	17.3	10.8	16.2#	





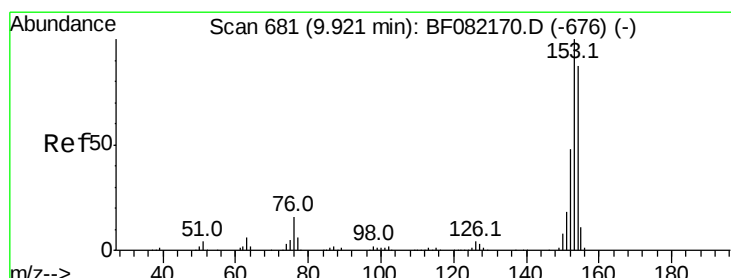
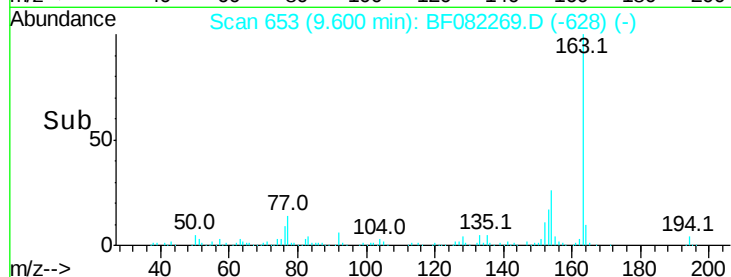
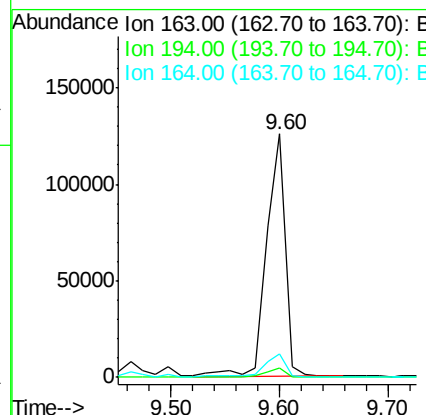
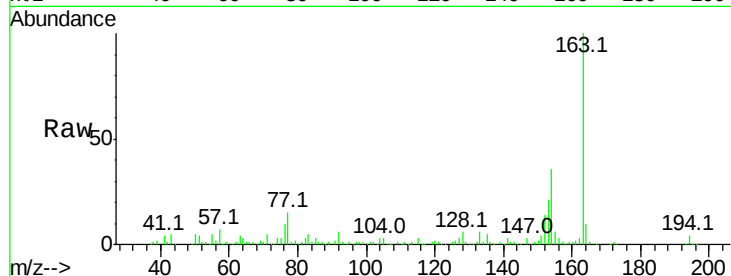
#49
Dimethylphthalate
Concen: 14.55 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	2.6	4.0
164	9.6	8.5	12.7

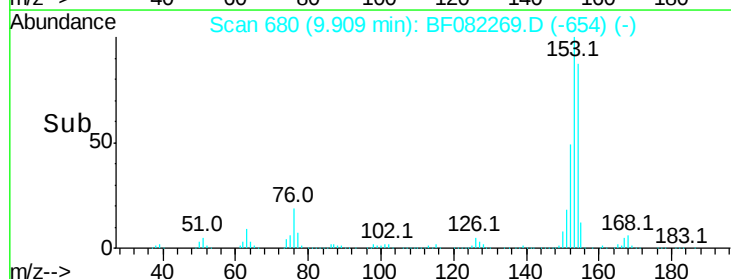
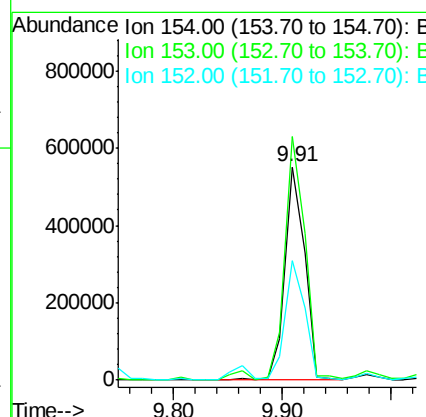
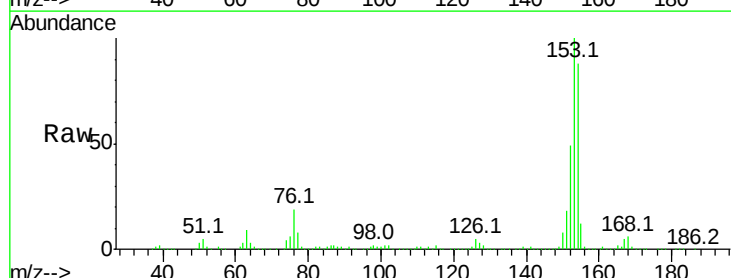
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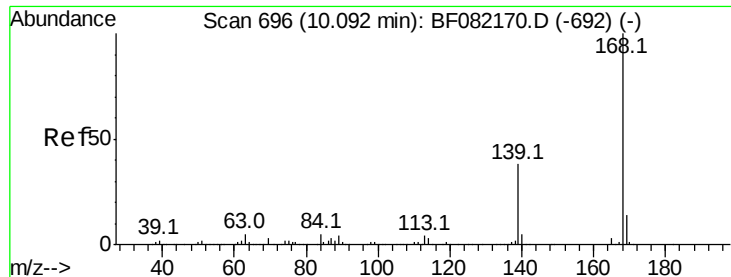
MMdadoda
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#51
Acenaphthene
Concen: 82.72 ng
RT: 9.91 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.1	91.4	137.2
152	55.8	44.3	66.5





#54

Dibenzofuran

Concen: 6.99 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

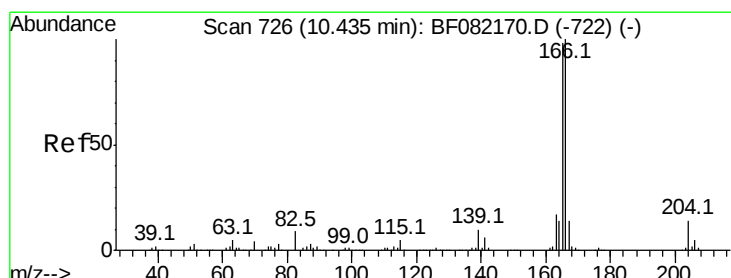
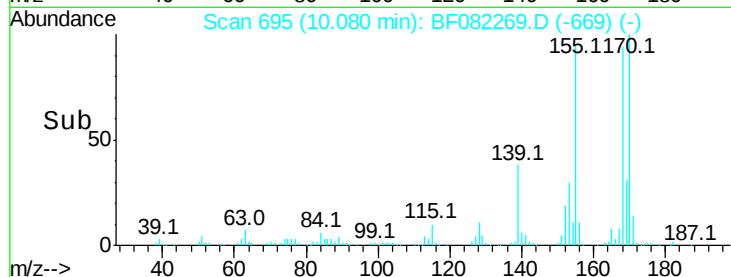
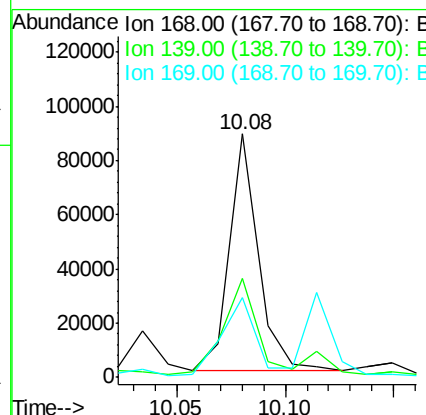
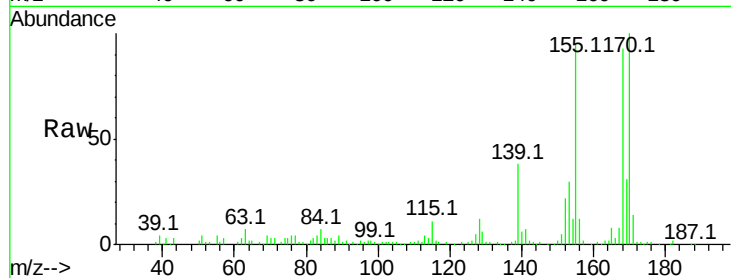
ClientSampleId :

MGP214BR-26-27

Tot Ion:	168	Resp:	80211
Ion Ratio	Lower	Upper	
168	100		
139	40.4	31.0	46.6
169	32.9	10.9	16.3#

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#57

Fluorene

Concen: 78.53 ng m

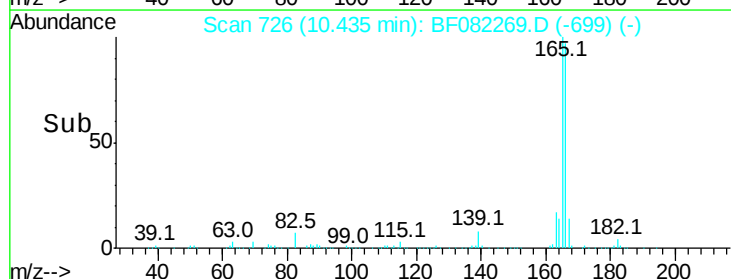
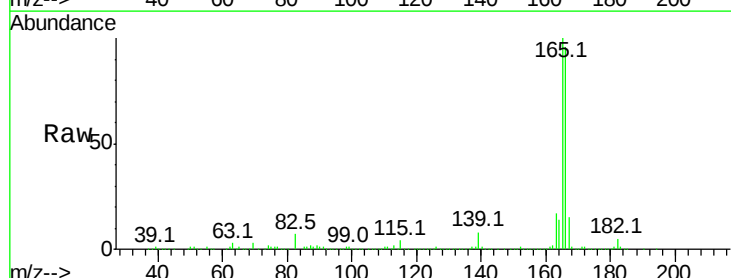
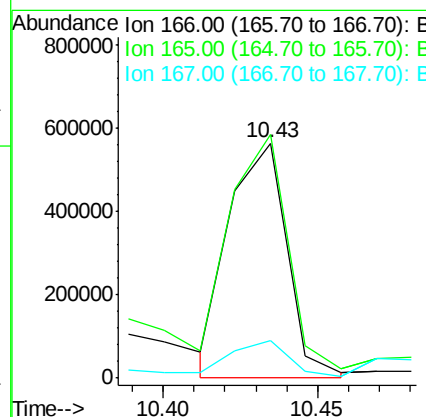
RT: 10.43 min Scan# 726

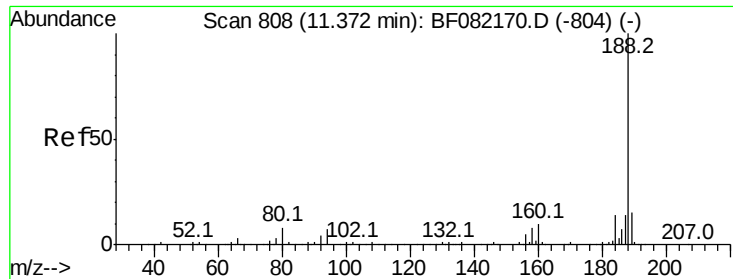
Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:	166	Resp:	740628
Ion Ratio	Lower	Upper	
166	100		
165	103.6	78.3	117.5
167	15.8	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: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

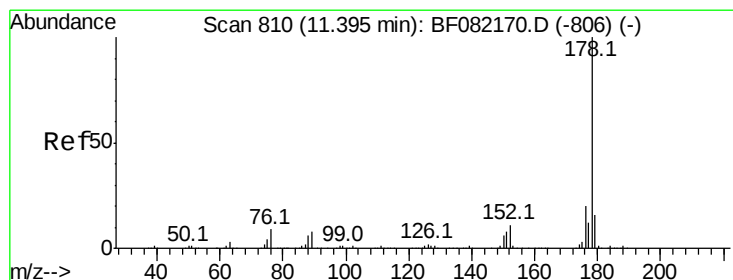
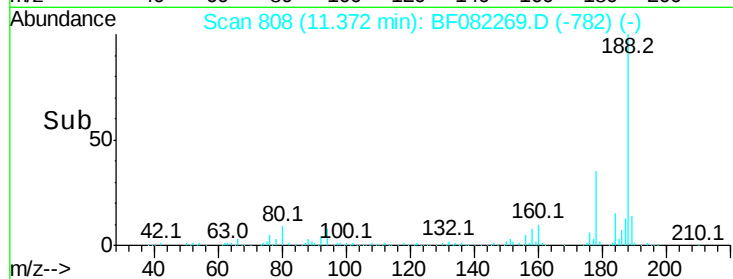
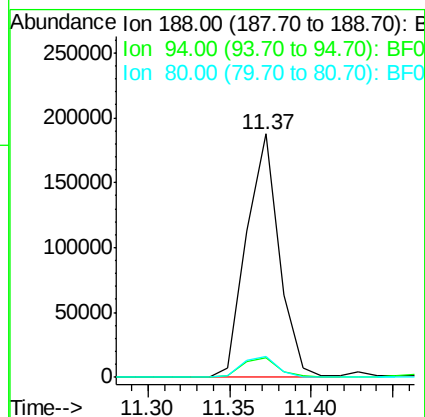
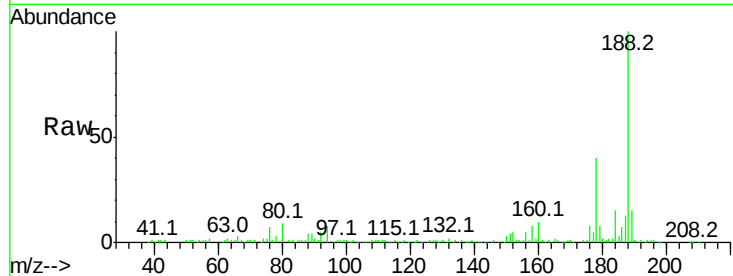
ClientSampleId :

MGP214BR-26-27

Tot Ion:	188	Resp:	261167
Ion Ratio	Lower	Upper	
188	100		
94	7.9	5.8	8.6
80	8.7	6.4	9.6

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#70

Phenanthrene

Concen: 218.50 ng

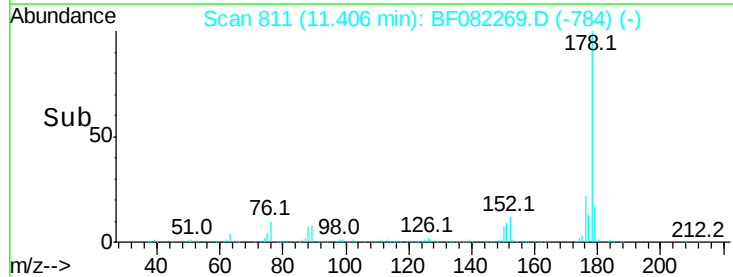
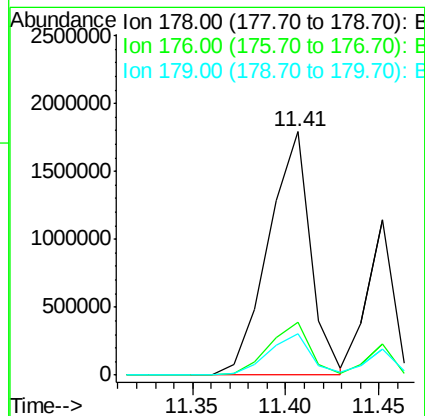
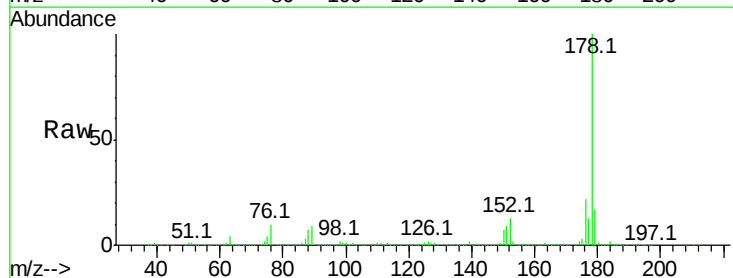
RT: 11.41 min Scan# 811

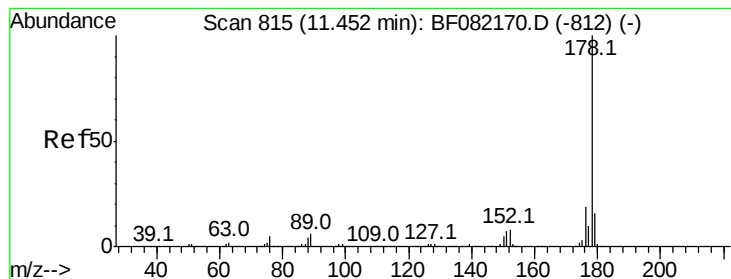
Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:	178	Resp:	2797159
Ion Ratio	Lower	Upper	
178	100		
176	22.0	16.0	24.0
179	17.2	12.6	19.0





#71

Anthracene

Concen: 90.75 ng

RT: 11.45 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27

Tot Ion:178 Resp: 1197052

Ion Ratio Lower Upper

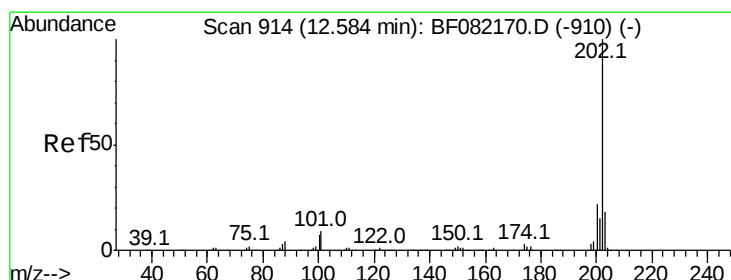
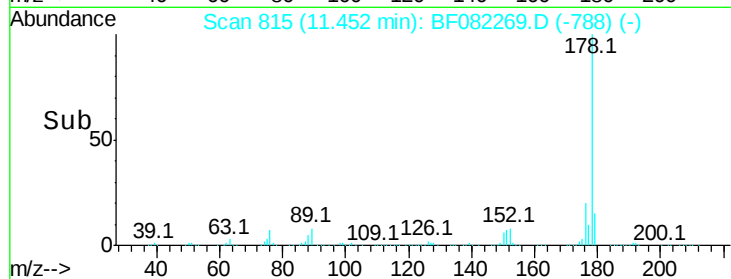
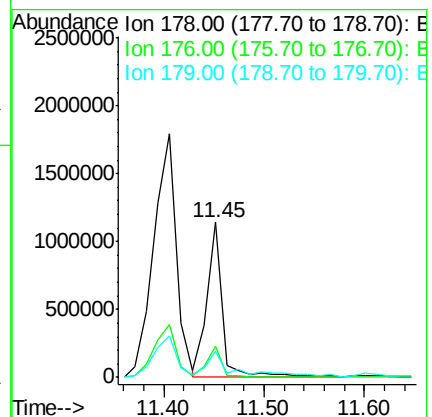
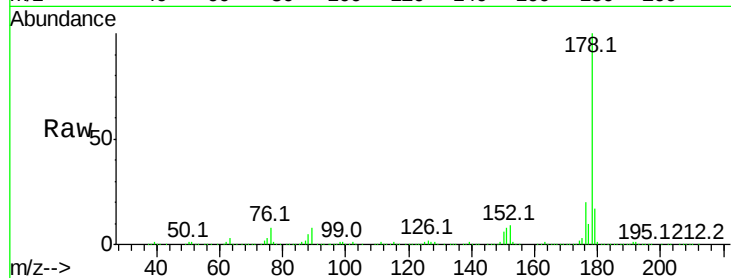
178 100

176 20.0 15.4 23.0

179 16.5 12.5 18.7

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#74

Fluoranthene

Concen: 84.03 ng

RT: 12.58 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

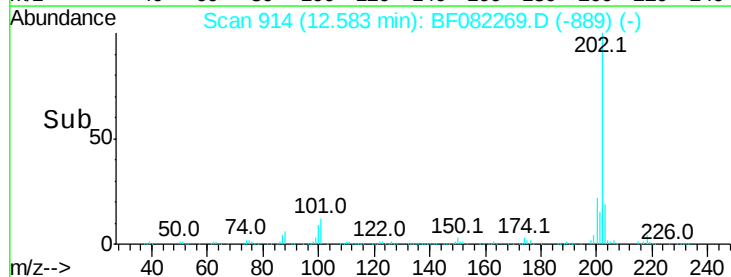
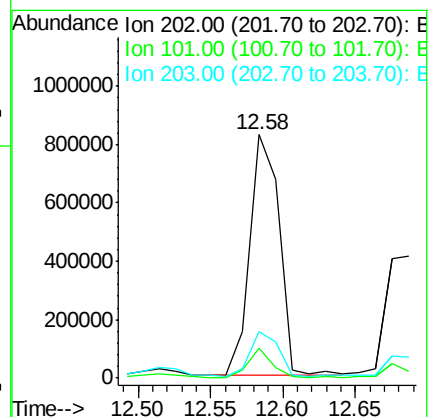
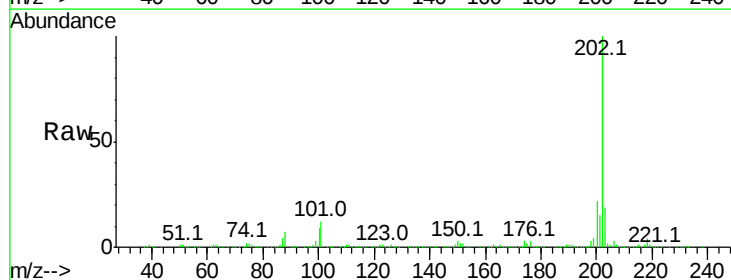
Tgt Ion:202 Resp: 1155400

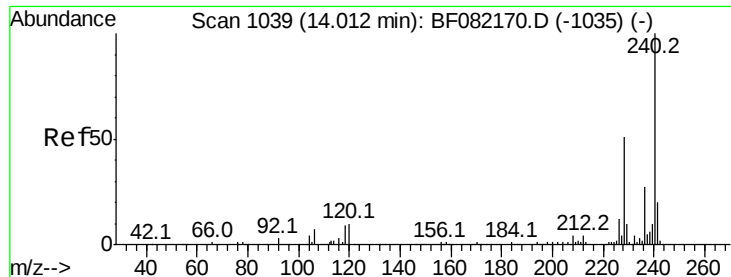
Ion Ratio Lower Upper

202 100

101 12.4 0.0 29.3

203 19.2 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

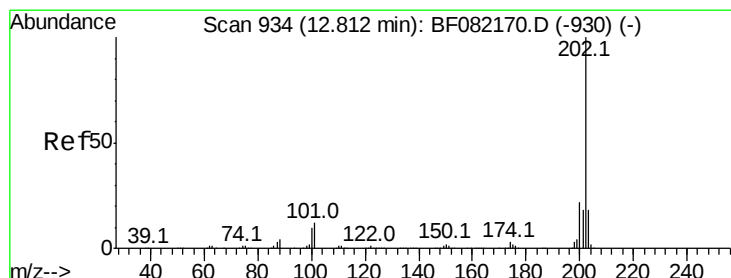
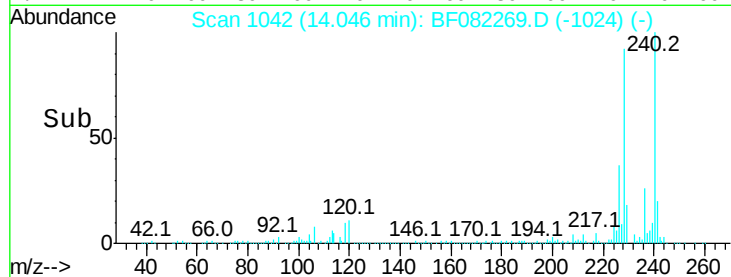
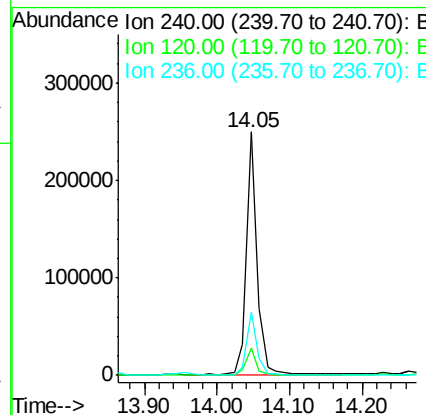
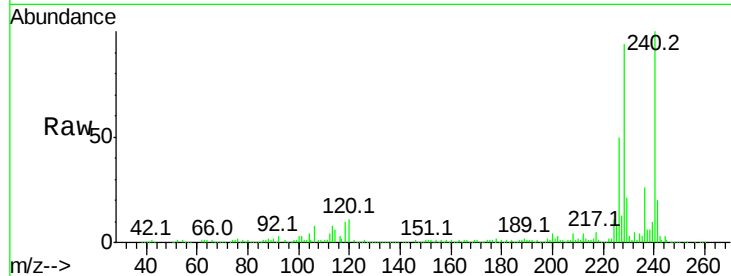
ClientSampleId :

MGP214BR-26-27

Tot Ion:	240	Resp:	255995
Ion Ratio	Lower	Upper	
240	100		
120	11.0	8.1	12.1
236	26.1	21.3	31.9

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#77

Pyrene

Concen: 107.60 ng m

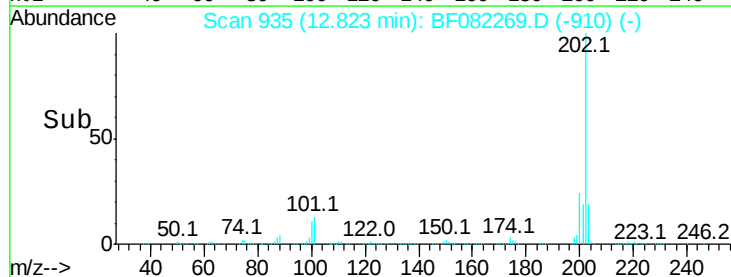
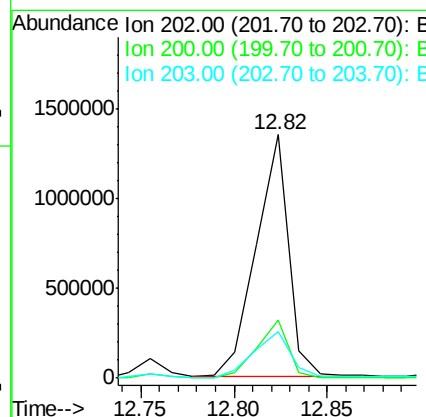
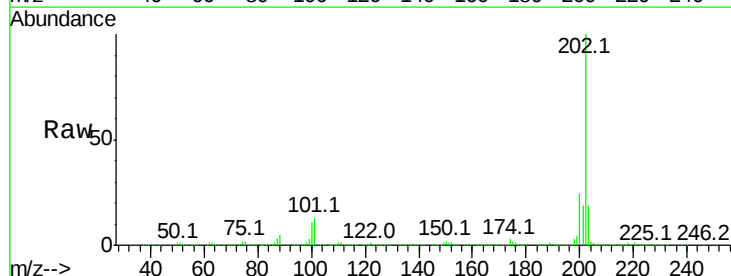
RT: 12.82 min Scan# 935

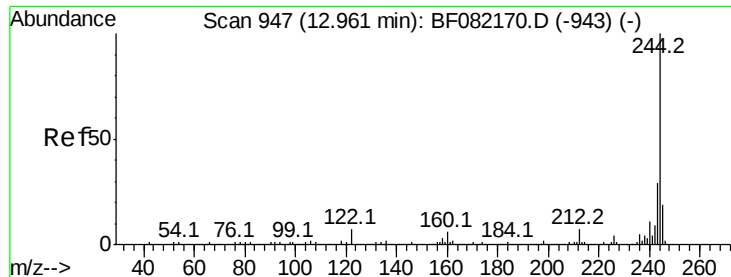
Delta R.T. -0.01 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:	202	Resp:	1634702
Ion Ratio	Lower	Upper	
202	100		
200	23.6	17.9	26.9
203	19.2	14.5	21.7





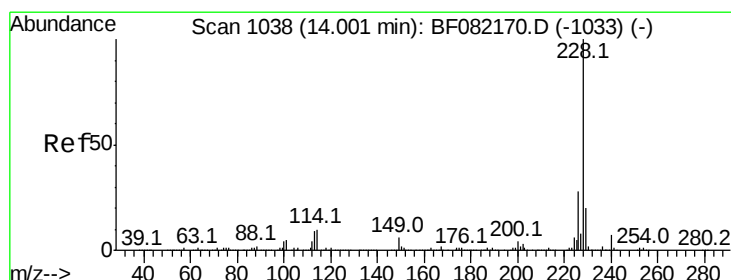
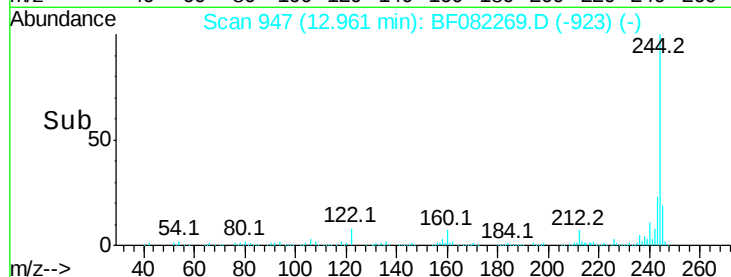
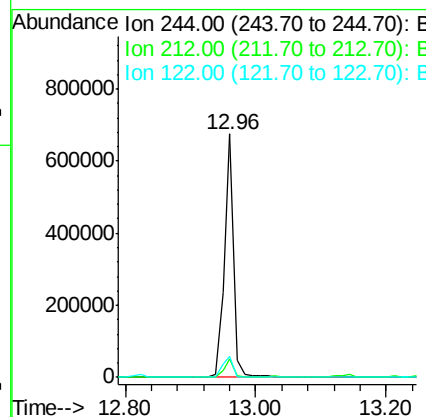
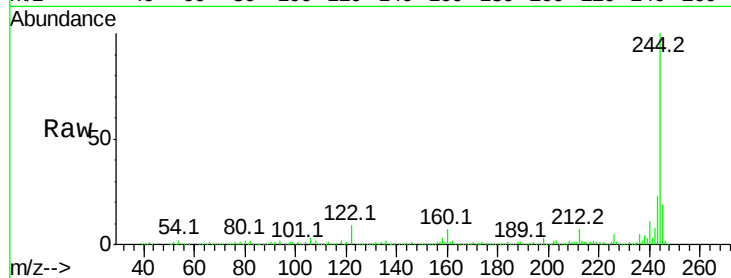
#78
 Terphenyl-d14
 Concen: 71.20 ng
 RT: 12.96 min Scan# 947
 Delta R.T. -0.02 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27

Tot Ion	Ratio	Resp	Lower	Upper
244	100	687783		
212	7.5		5.8	8.6
122	8.5		5.9	8.9

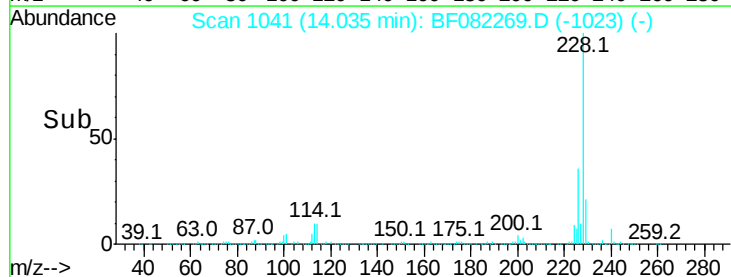
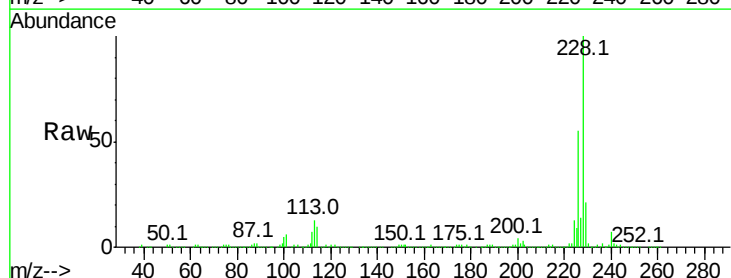
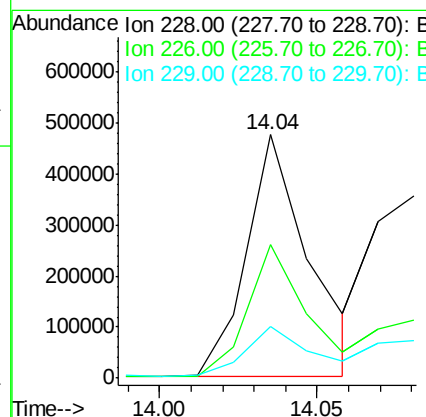
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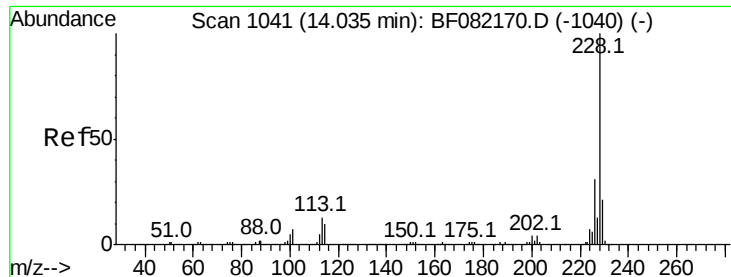
MMdadoda
 10/14/2015 3:51:20 PM



#80
 Benzo(a)anthracene
 Concen: 49.13 ng m
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.09 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	654354		
226	54.8		22.3	33.5#
229	21.3		16.2	24.2





#82

Chrysene

Concen: 35.12 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.09 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Instrument :

BNA_F

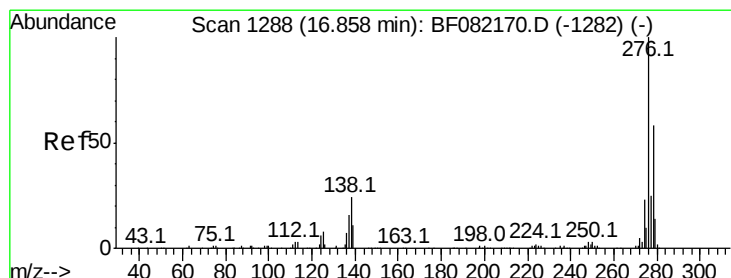
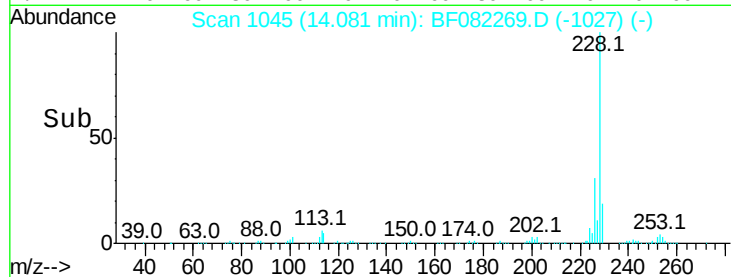
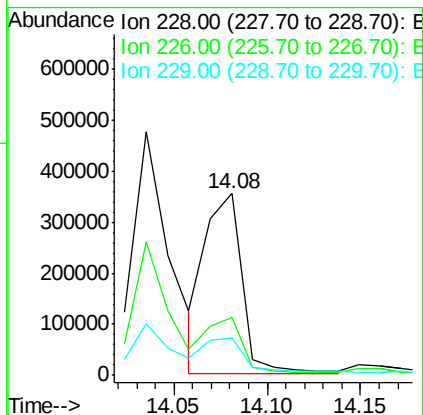
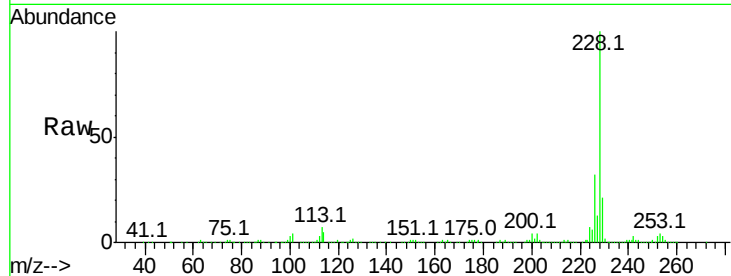
ClientSampleId :

MGP214BR-26-27

Tot Ion:	228	Resp:	492838
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.4	36.6
229	20.9	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.46 ng

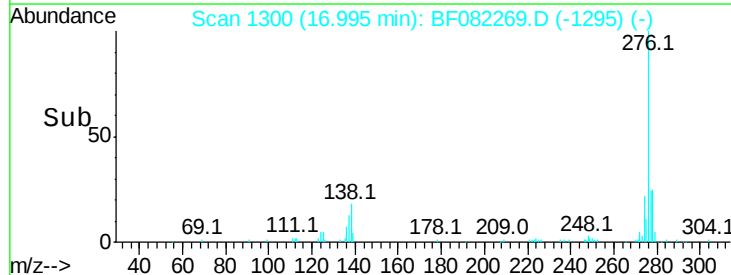
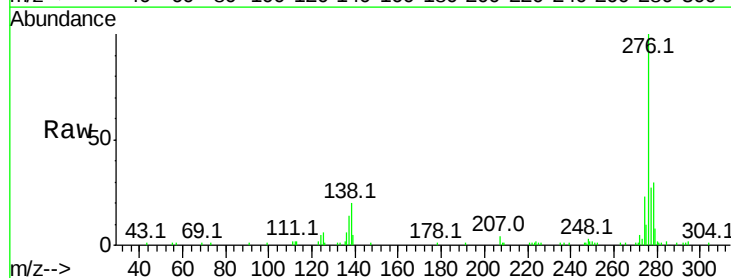
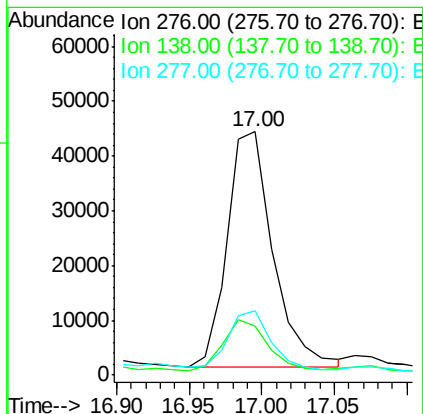
RT: 17.00 min Scan# 1300

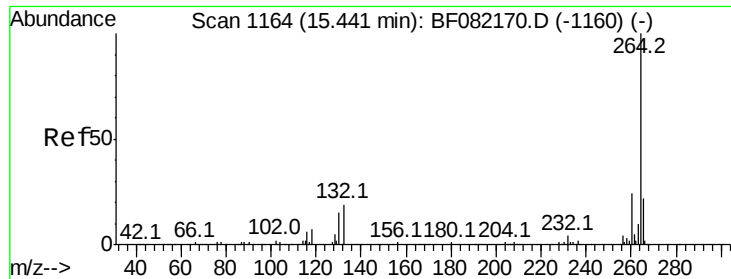
Delta R.T. -0.24 min

Lab File: BF082269.D

Acq: 13 Oct 2015 22:24

Tgt Ion:	276	Resp:	94414
Ion Ratio	Lower	Upper	
276	100		
138	21.9	19.7	29.5
277	22.9	20.1	30.1





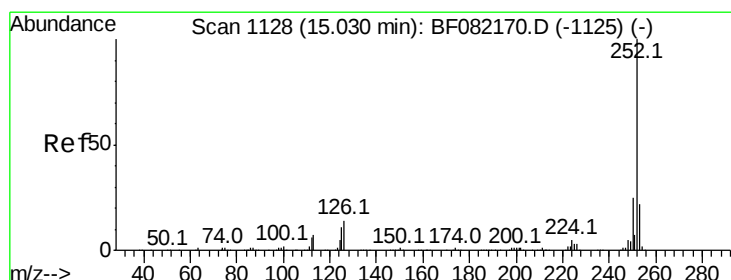
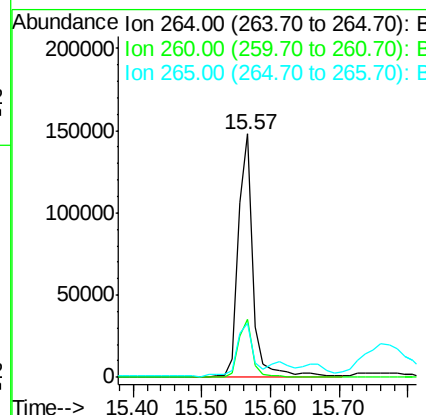
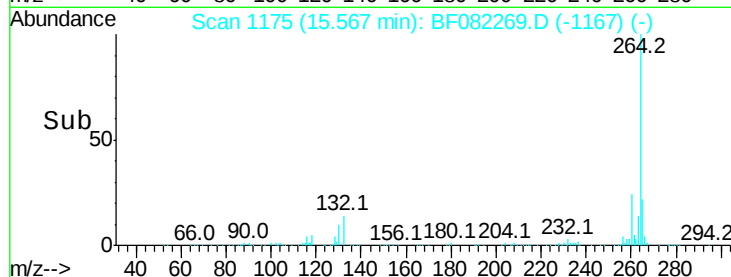
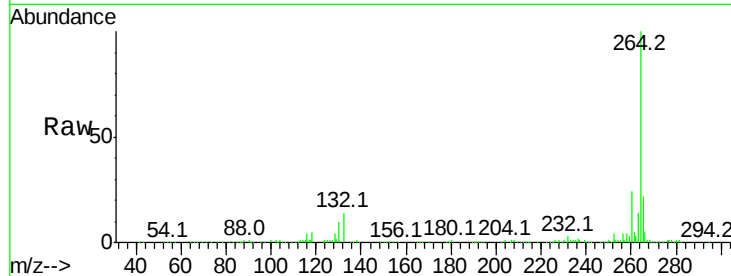
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1175
Delta R.T. -0.21 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.3	17.3	25.9

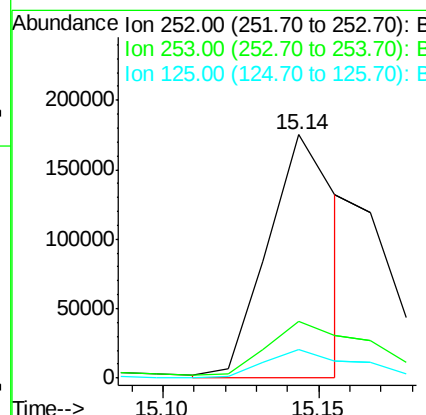
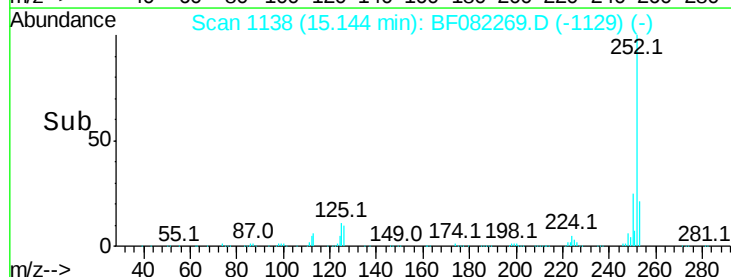
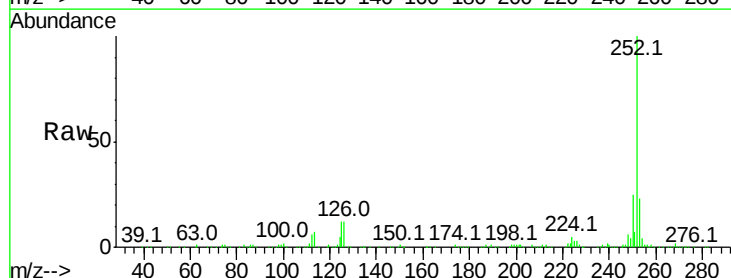
Manual Integrations
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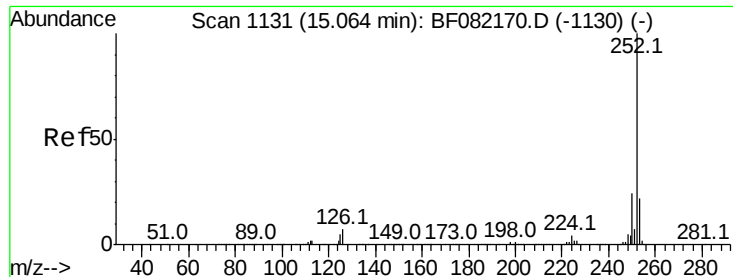
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 19.86 ng m
RT: 15.14 min Scan# 1138
Delta R.T. -0.19 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.6	8.6	12.8





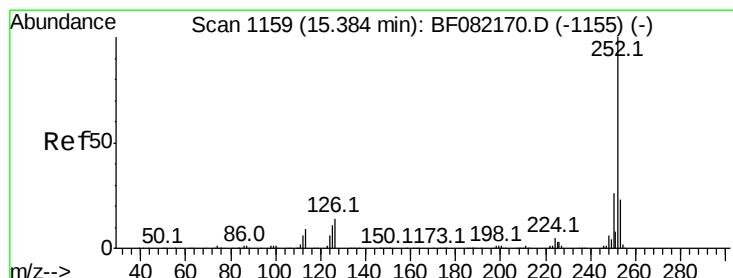
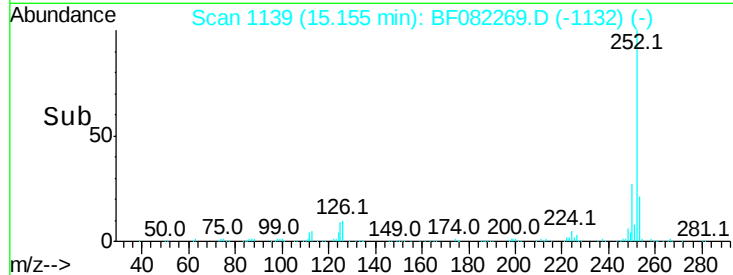
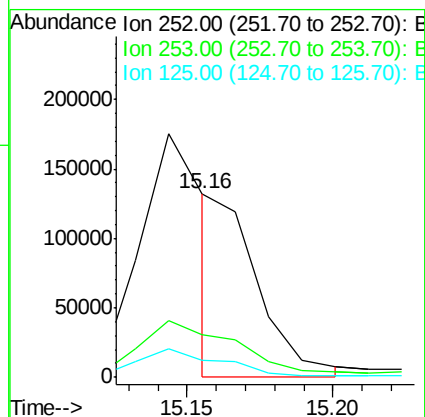
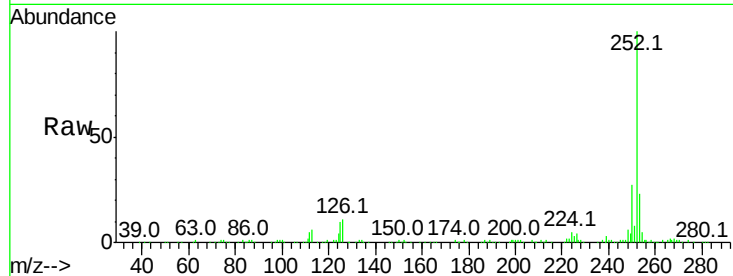
#88
Benzo(k)fluoranthene
Concen: 10.80 ng
RT: 15.16 min Scan# 1139
Delta R.T. -0.22 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	9.6	6.7	10.1

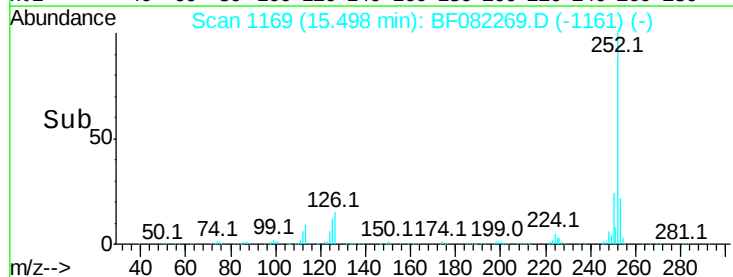
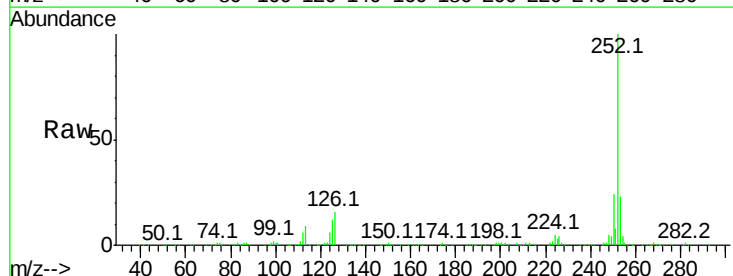
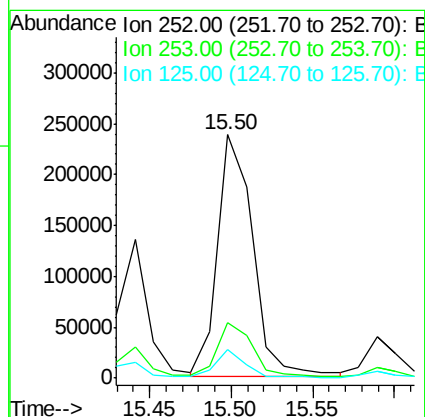
Manual Integrations
APPROVED

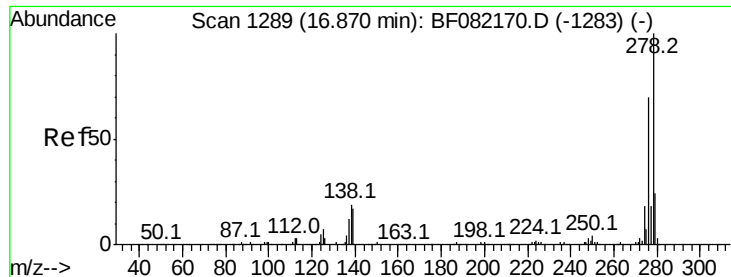
MMdadoda
10/14/2015 3:51:20 PM



#89
Benzo(a)pyrene
Concen: 30.04 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.21 min
Lab File: BF082269.D
Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.8	8.9	13.3





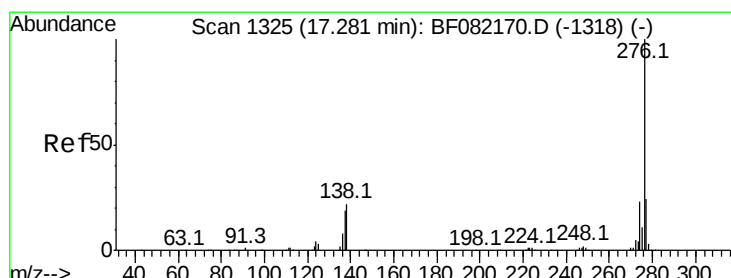
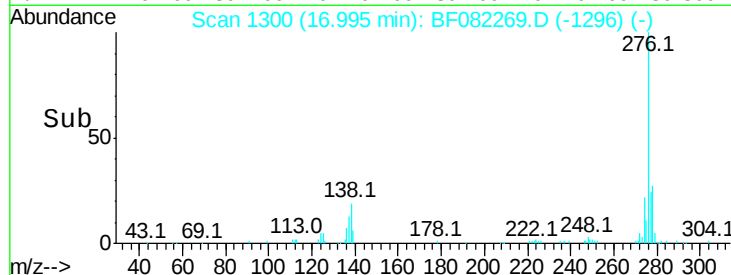
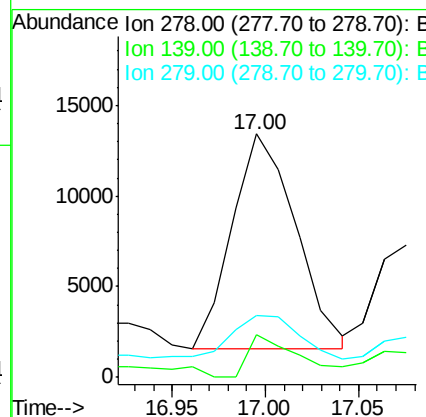
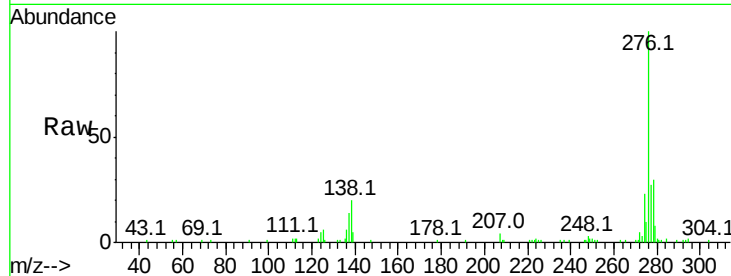
#90
 Dibenzo(a,h)anthracene
 Concen: 2.90 ng
 RT: 17.00 min Scan# 1300
 Delta R.T. -0.25 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.3	19.9
279	25.3	18.9	28.3

Manual Integrations
 APPROVED

MMdadoda
 10/14/2015 3:51:20 PM



#91
 Benzo(g,h,i)perylene
 Concen: 10.24 ng
 RT: 17.42 min Scan# 1337
 Delta R.T. -0.25 min
 Lab File: BF082269.D
 Acq: 13 Oct 2015 22:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	20.8	17.4	26.2

