

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081499.D
 Acq On : 6 Sep 2015 9:41
 Operator : UM/IZ
 Sample : G3469-04DL 2X
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Manual Integrations
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 9/8/2015 3:57:22 PM

Quant Time: Sep 07 09:01:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	50618	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	192321	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	88784	20.00	ng	-0.01
63) Phenanthrene-d10	10.86	188	166157	20.00	ng	0.00
75) Chrysene-d12	13.46	240	117917	20.00	ng	0.00
86) Perylene-d12	14.77	264	86570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	277160	84.95	ng	0.01
7) Phenol-d6	6.02	99	351053	81.29	ng	-0.01
23) Nitrobenzene-d5	6.94	82	250009	62.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	69292	87.65	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	411957	59.46	ng	-0.01
78) Terphenyl-d14	12.43	244	301931	59.61	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.67	128	336870	32.84	ng	98
37) 2-Methylnaphthalene	8.35	142	40534	6.07	ng	# 90
45) 1,1'-Biphenyl	8.82	154	20511	2.51	ng	99
48) Acenaphthylene	9.24	152	133451	12.75	ng	98
49) Dimethylphthalate	9.13	163	50233	7.28	ng	# 98
51) Acenaphthene	9.42	154	24947	4.19	ng	91
54) Dibenzofuran	9.59	168	81503	9.38	ng	# 87
57) Fluorene	9.93	166	74753m	11.33	ng	
70) Phenanthrene	10.88	178	605621	65.56	ng	96
71) Anthracene	10.92	178	141491	14.91	ng	98
72) Carbazole	11.08	167	49731	5.58	ng	96
74) Fluoranthene	12.04	202	468375	46.84	ng	91
77) Pyrene	12.27	202	504461	57.75	ng	99
80) Benzo(a)anthracene	13.45	228	127481m	16.98	ng	
82) Chrysene	13.49	228	103775m	15.42	ng	
85) Indeno(1,2,3-cd)pyrene	15.84	276	65824	13.33	ng	# 79
87) Benzo(b)fluoranthene	14.45	252	99330m	16.07	ng	
88) Benzo(k)fluoranthene	14.45	252	48986m	9.55	ng	
89) Benzo(a)pyrene	14.72	252	93245	17.80	ng	# 83
90) Dibenzo(a,h)anthracene	15.84	278	9822m	2.43	ng	
91) Benzo(g,h,i)perylene	16.15	276	75124	19.45	ng	# 77

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

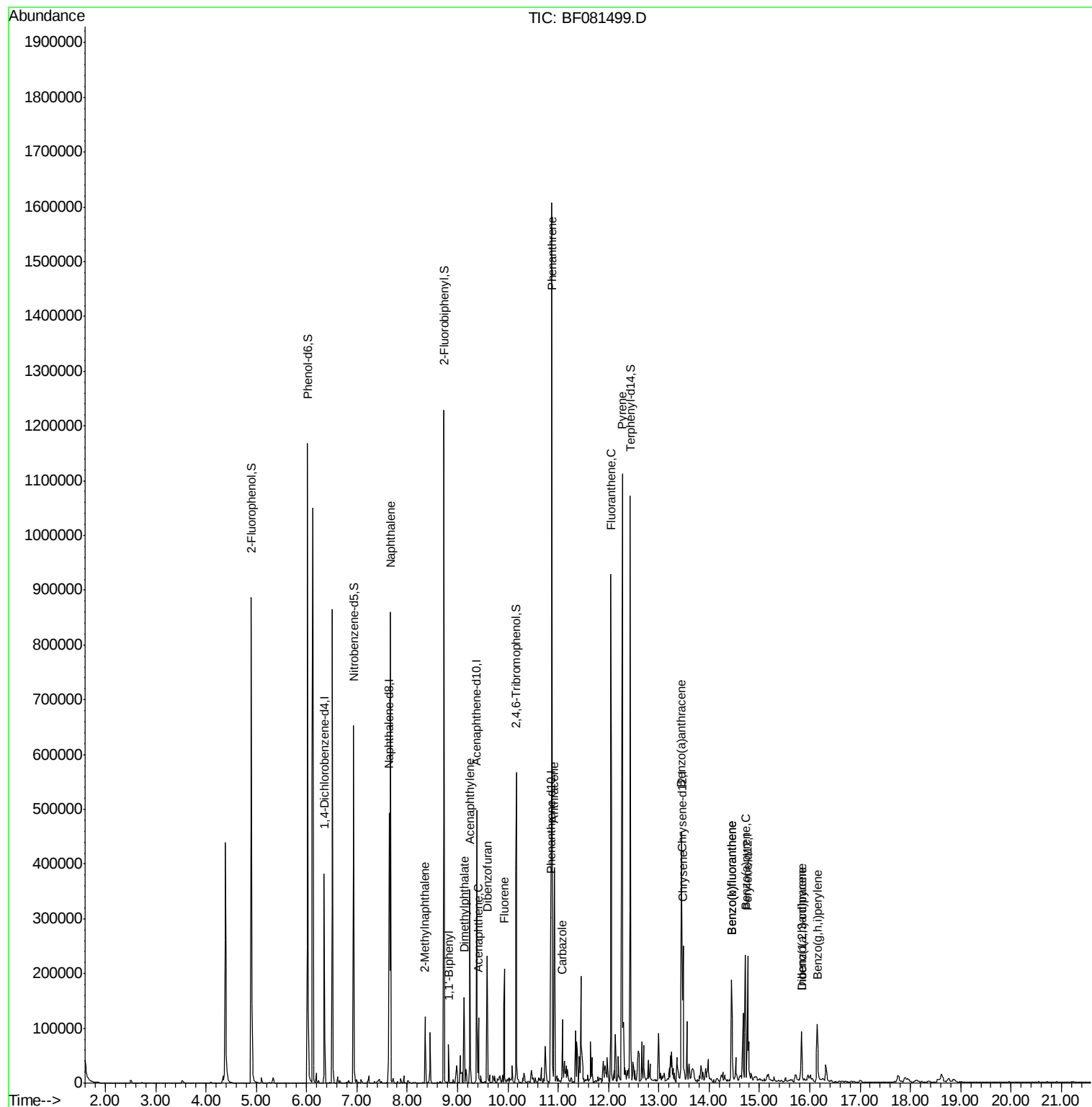
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
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QLast Update : Mon Sep 07 05:41:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF081499.D

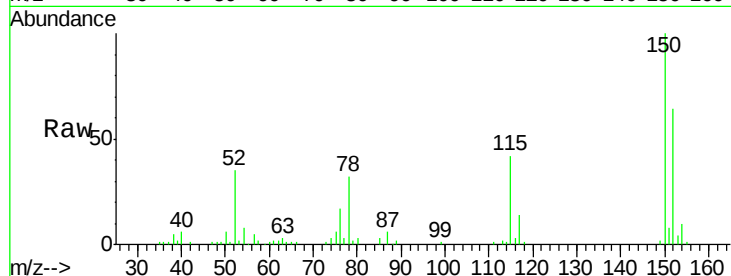
Acq: 6 Sep 2015 9:41

Instrument :

BNA_F

ClientSampleId :

MGP207BR-25-25.5DL



Tgt Ion:152 Resp: 50618

Ion Ratio Lower Upper

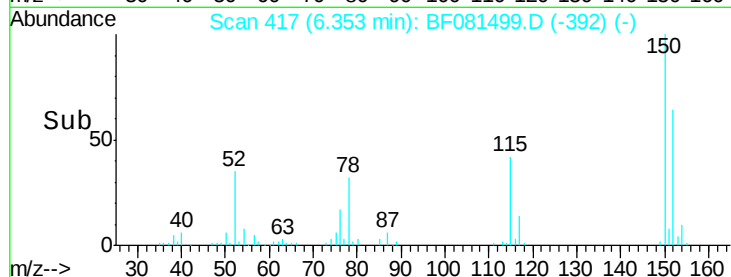
152 100

150 157.3 124.7 187.1

115 66.7 39.0 58.4#

Manual Integrations
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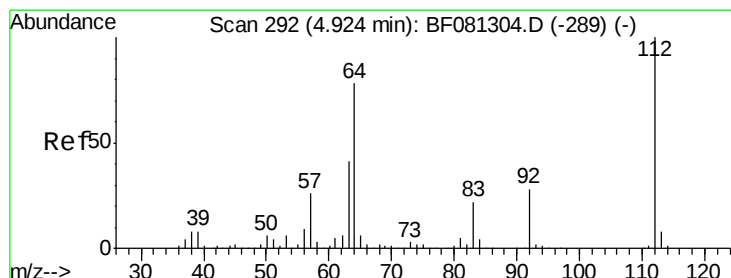
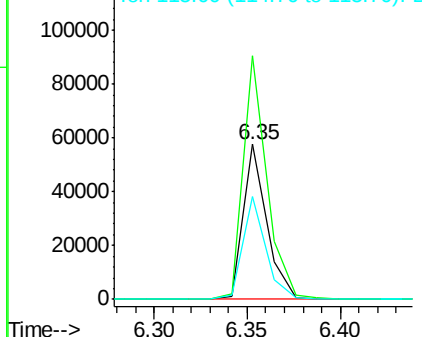
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 84.95 ng

RT: 4.90 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF081499.D

Acq: 6 Sep 2015 9:41

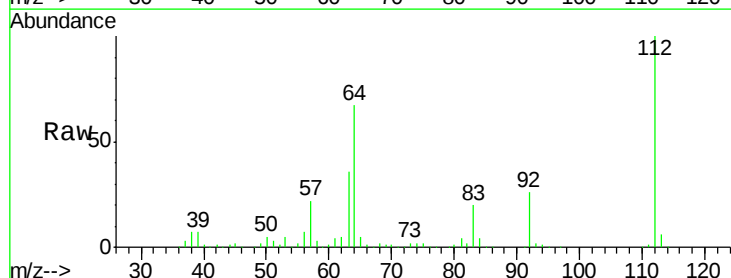
Tgt Ion:112 Resp: 277160

Ion Ratio Lower Upper

112 100

64 66.9 39.7 59.5#

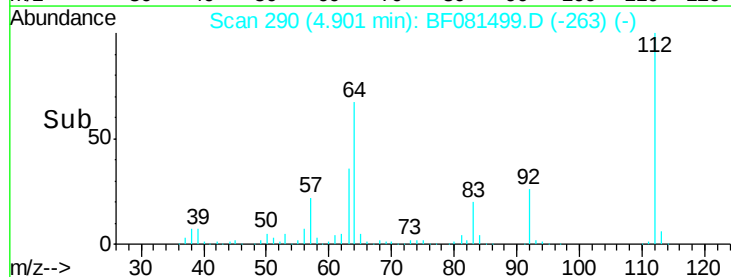
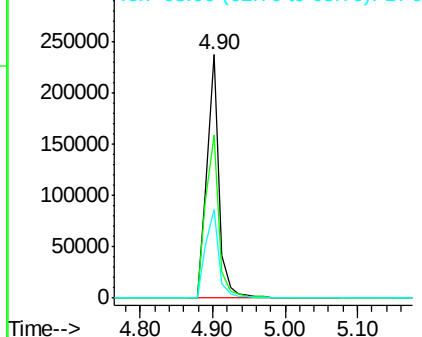
63 36.4 17.4 26.0#

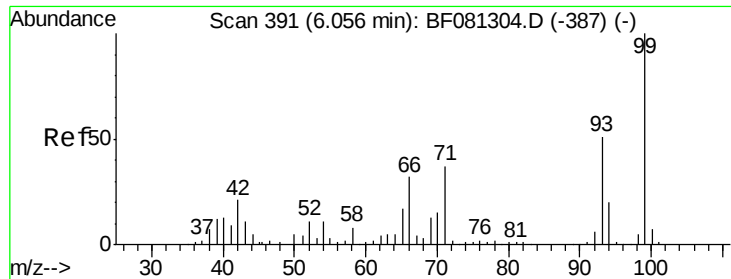


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.29 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081499.D

Acq: 6 Sep 2015 9:41

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 351053
Ion Ratio Lower Upper

99 100

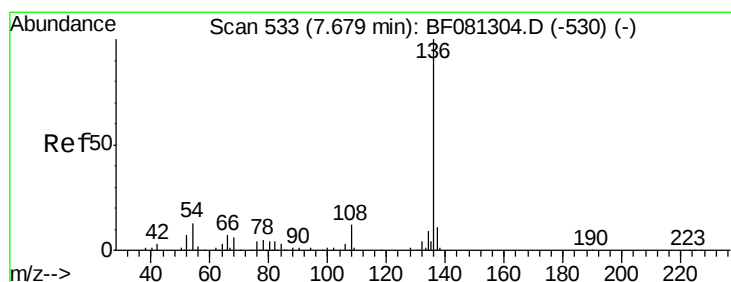
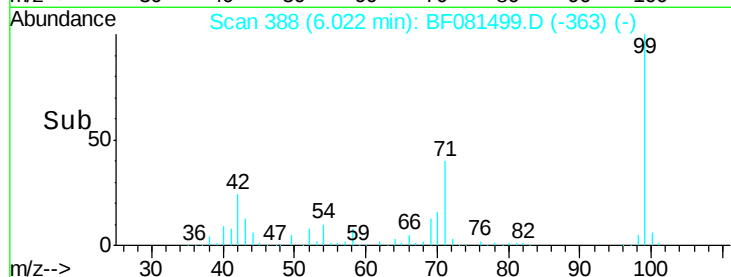
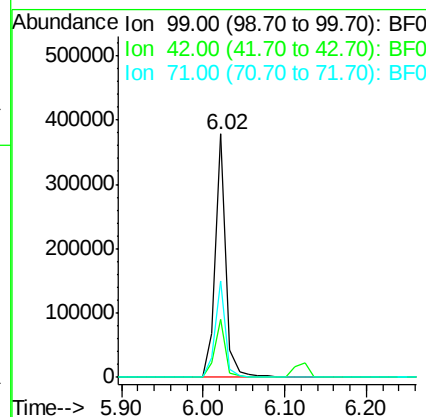
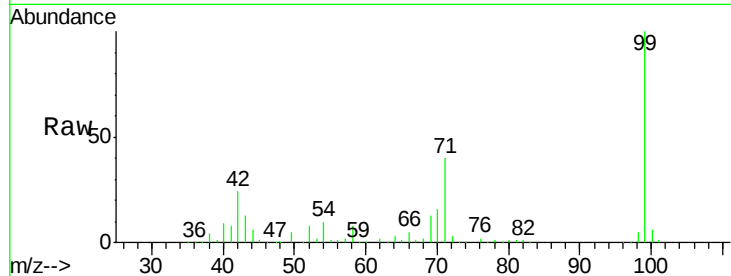
42 23.7 13.7 20.5#

71 39.6 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081499.D

Acq: 6 Sep 2015 9:41

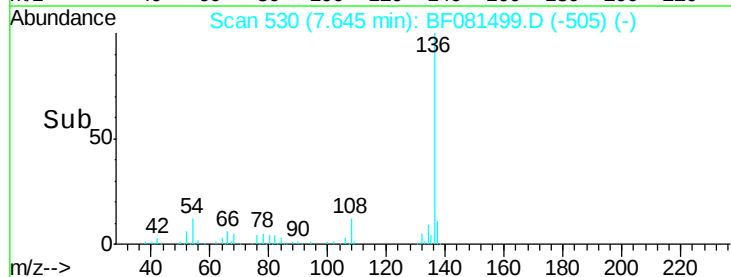
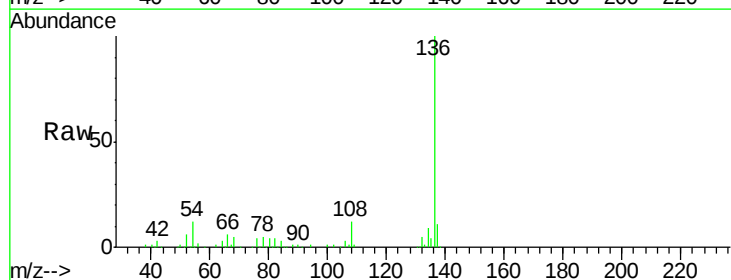
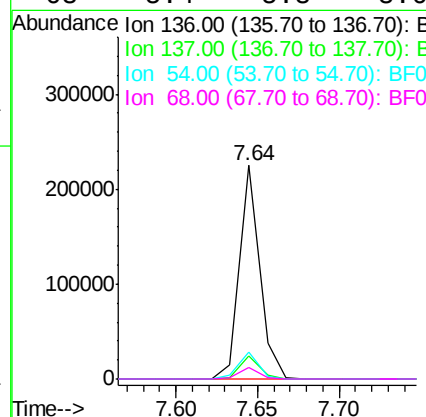
Tgt Ion: 136 Resp: 192321
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.4 8.2 12.2#

68 5.4 5.8 8.6#





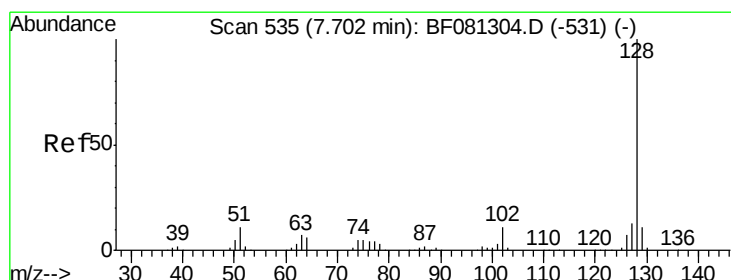
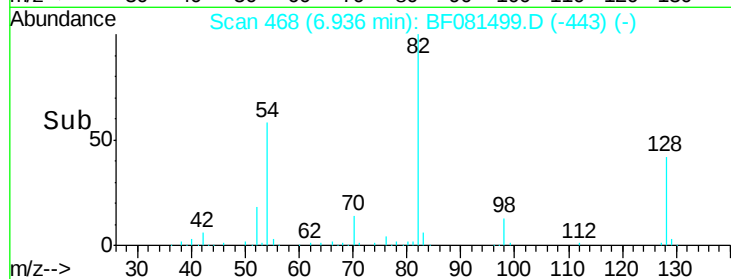
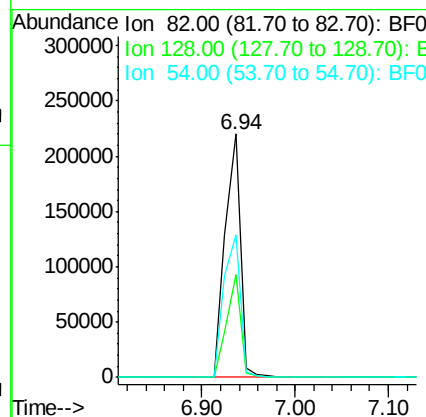
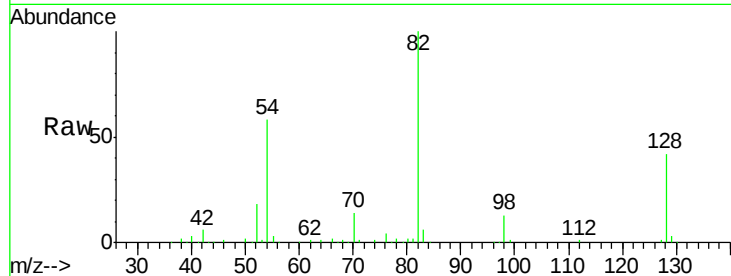
#23
 Nitrobenzene-d5
 Concen: 62.72 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	51.0	76.6#
54	58.3	47.5	71.3

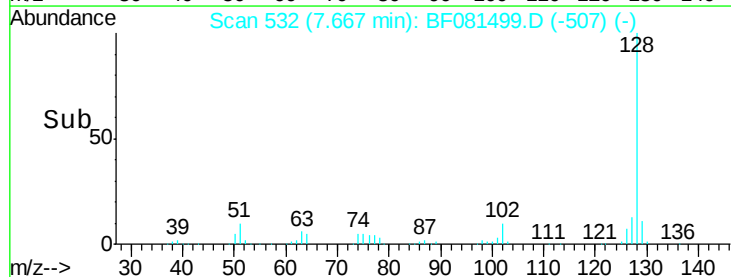
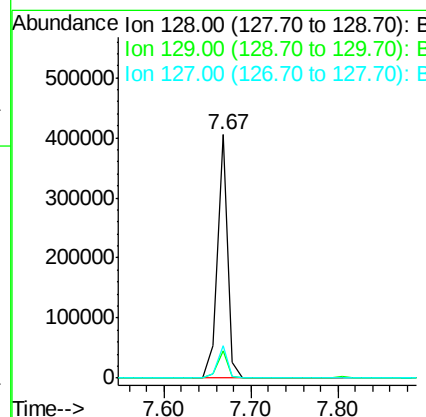
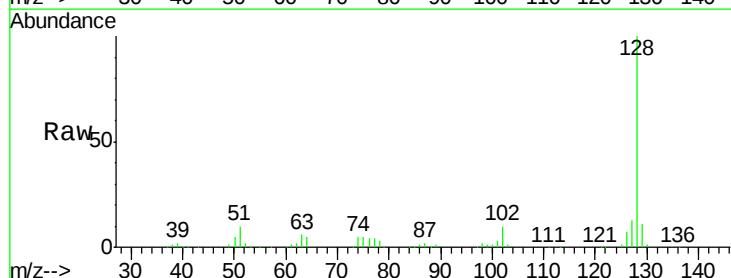
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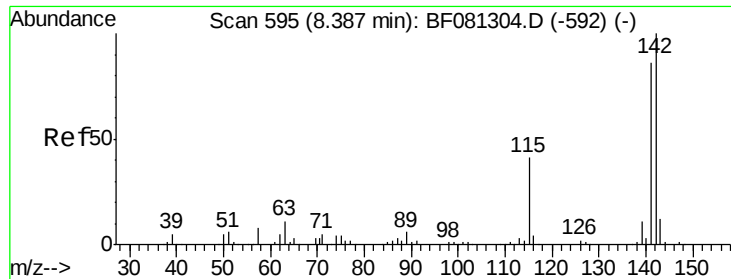
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#31
 Naphthalene
 Concen: 32.84 ng
 RT: 7.67 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

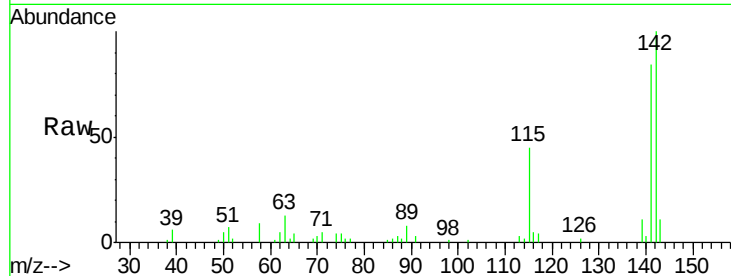
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	13.2	9.9	14.9





#37
 2-Methylnaphthalene
 Concen: 6.07 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

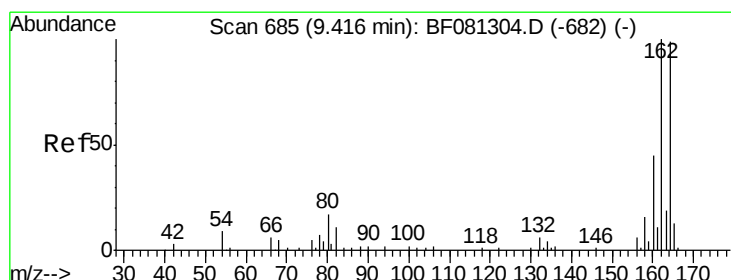
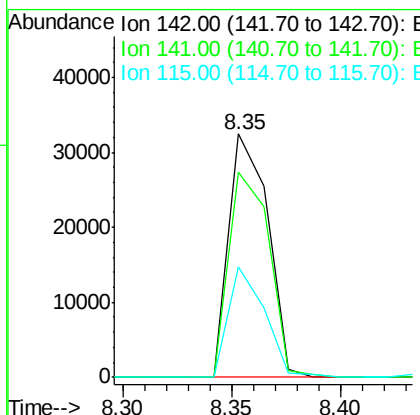
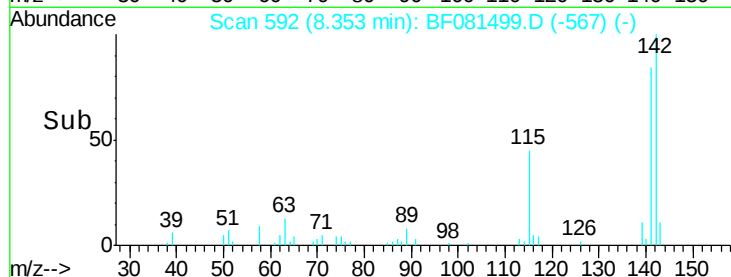
Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL



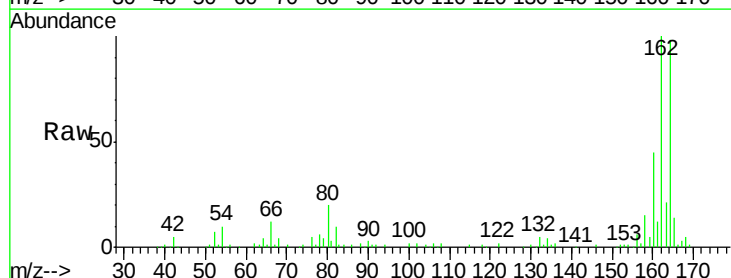
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40534		
141	84.5	67.5	101.3	
115	45.3	18.2	27.2#	

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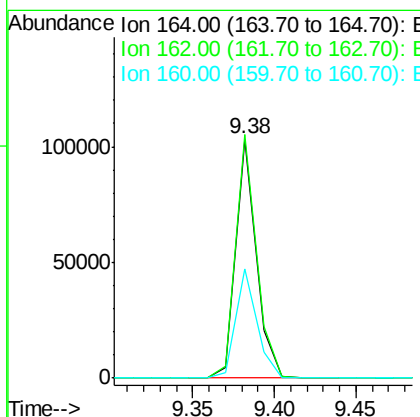
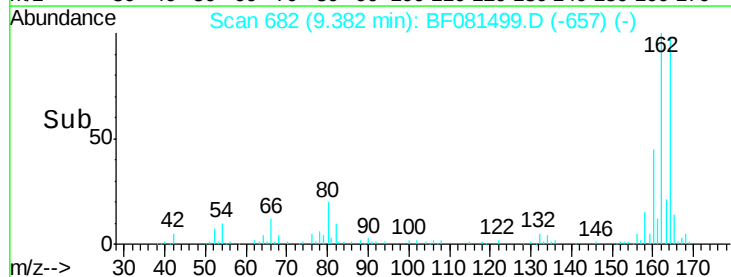
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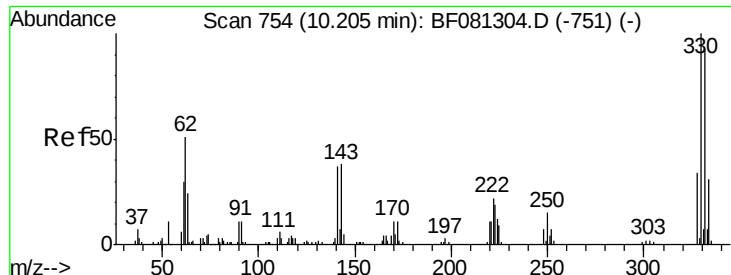


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41



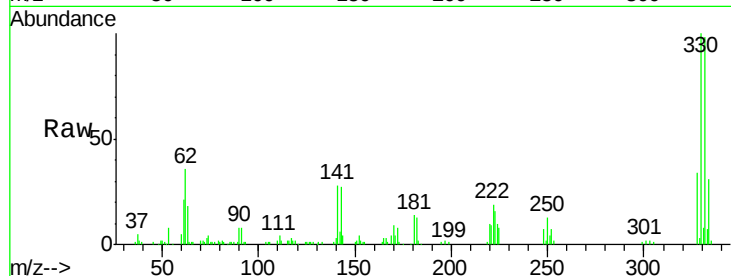
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88784		
162	102.0	75.2	112.8	
160	45.7	31.5	47.3	





#41
 2,4,6-Tribromophenol
 Concen: 87.65 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

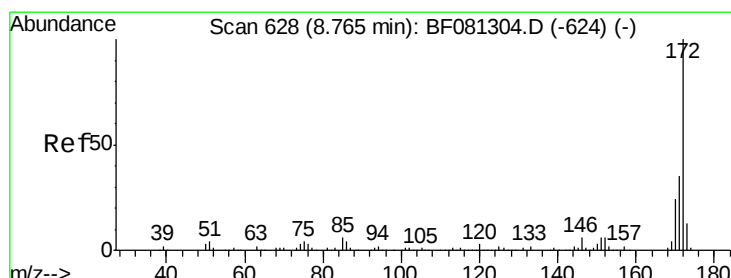
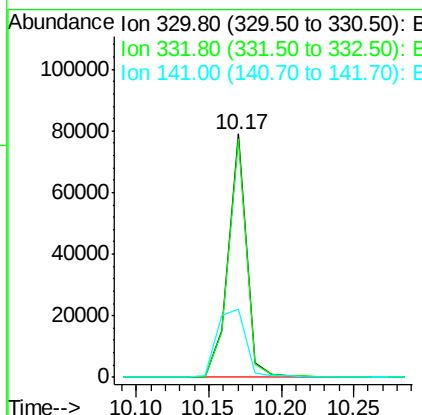
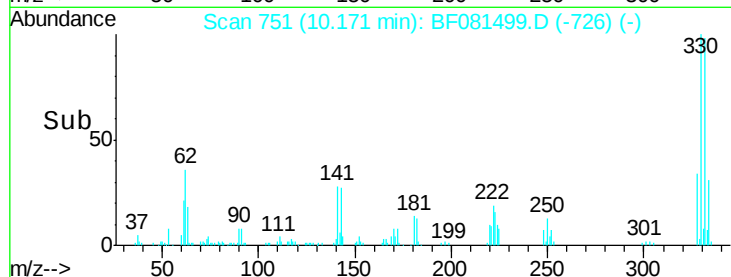
Instrument :
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 MGP207BR-25-25.5DL



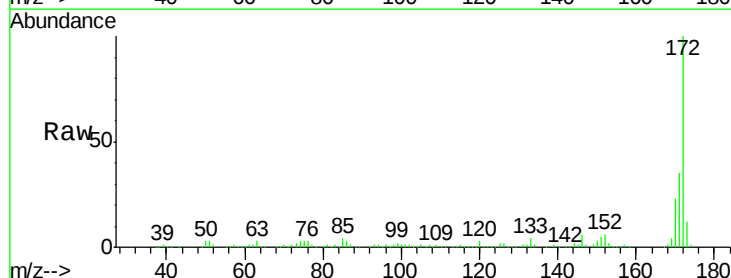
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	69292		
332	96.9	76.6	114.8	
141	44.2	29.7	44.5	

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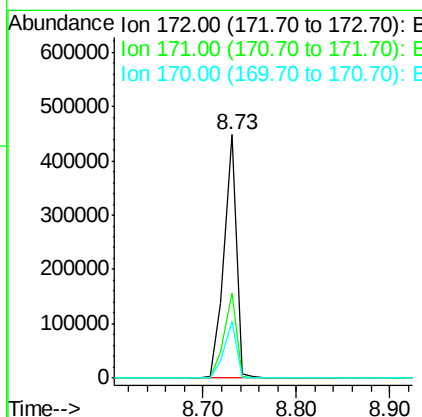
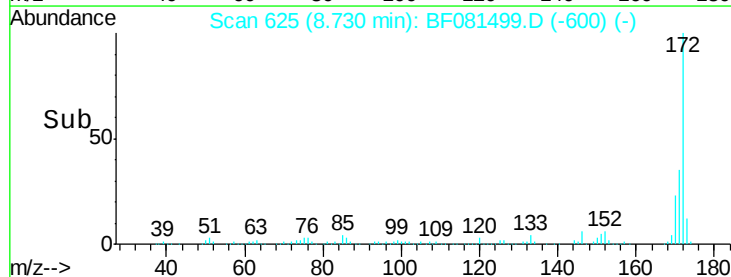
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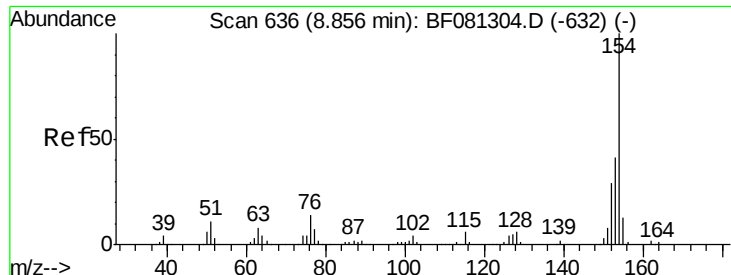


#44
 2-Fluorobiphenyl
 Concen: 59.46 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	411957		
171	35.0	26.1	39.1	
170	23.5	17.4	26.2	





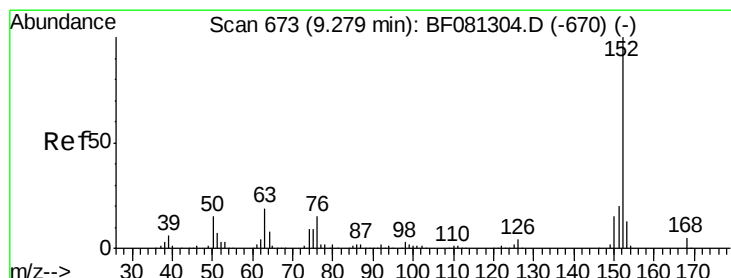
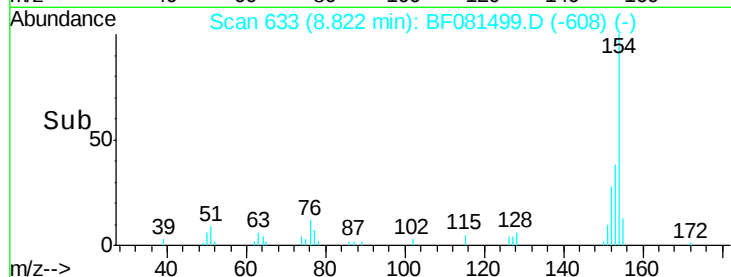
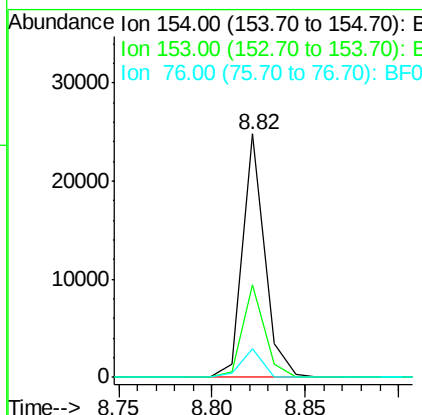
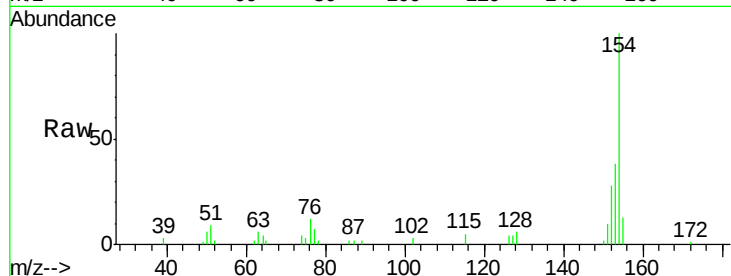
#45
1,1'-Biphenyl
Concen: 2.51 ng
RT: 8.82 min Scan# 633
Delta R.T. -0.01 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion:	154	Resp:	20511
Ion Ratio	Lower	Upper	
154	100		
153	38.2	17.1	57.1
76	11.5	0.0	31.6

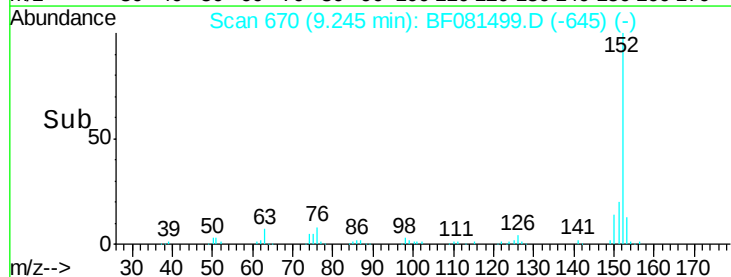
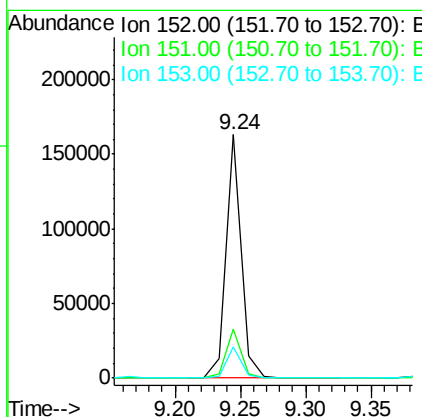
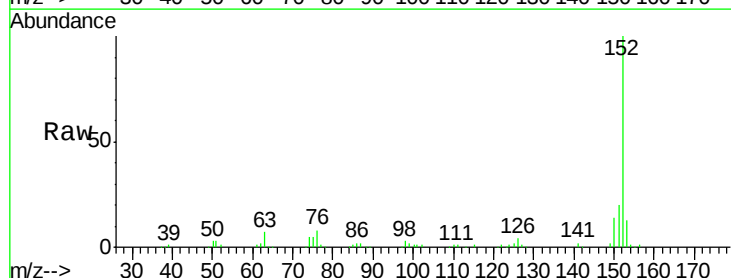
Manual Integrations
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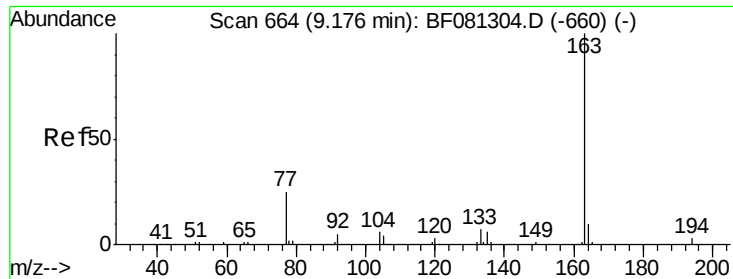
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#48
Acenaphthylene
Concen: 12.75 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion:	152	Resp:	133451
Ion Ratio	Lower	Upper	
152	100		
151	19.9	14.6	22.0
153	12.9	10.3	15.5





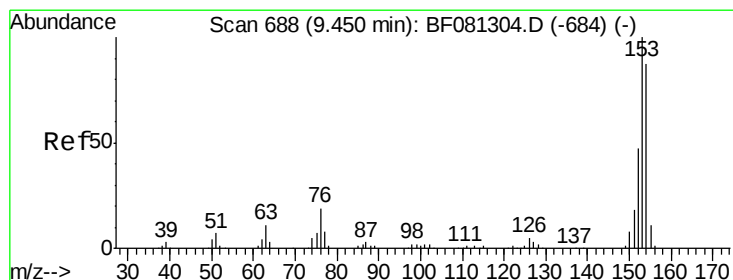
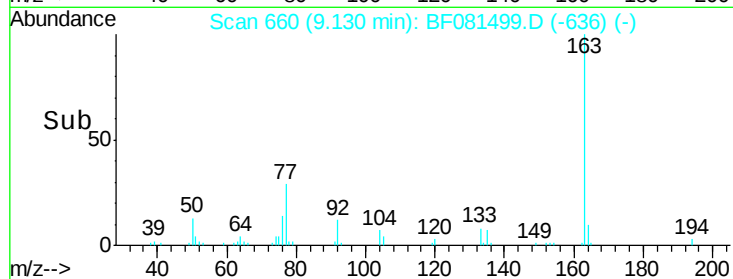
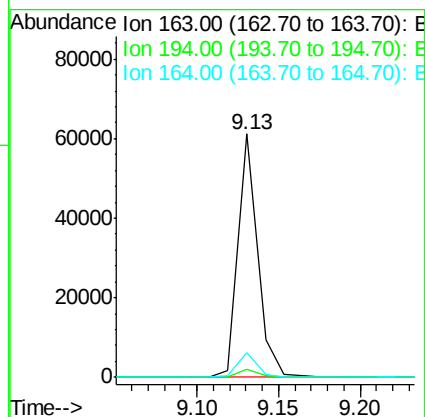
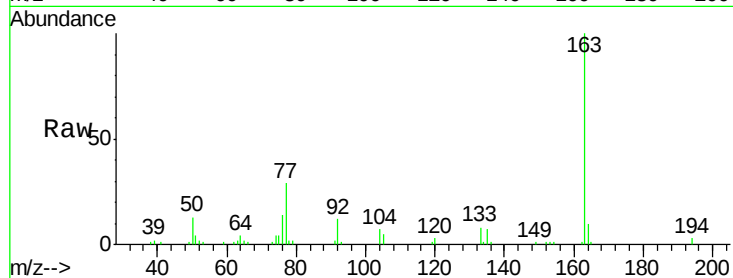
#49
Dimethylphthalate
Concen: 7.28 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	4.4	6.6#
164	10.2	8.3	12.5

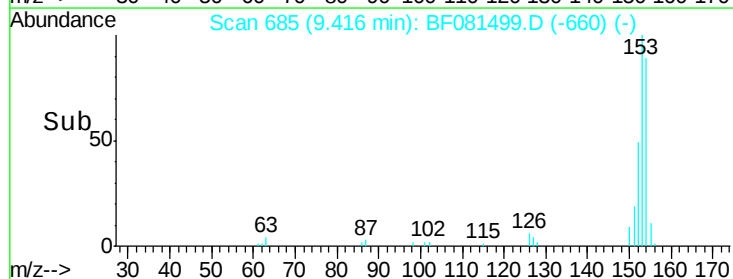
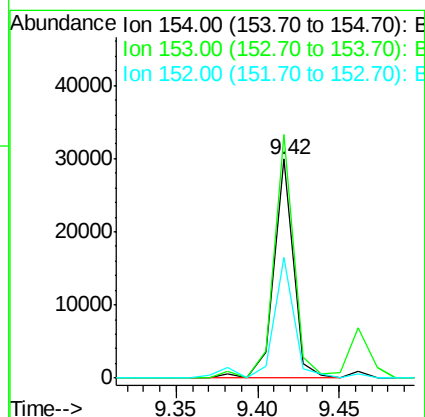
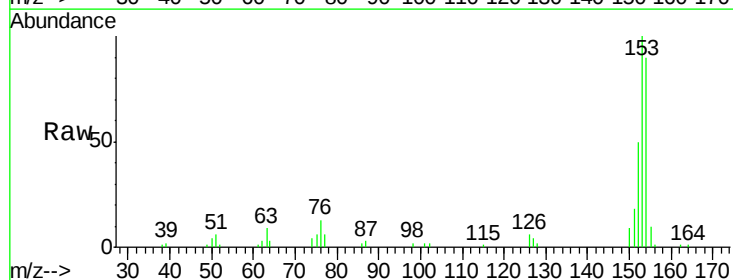
Manual Integrations
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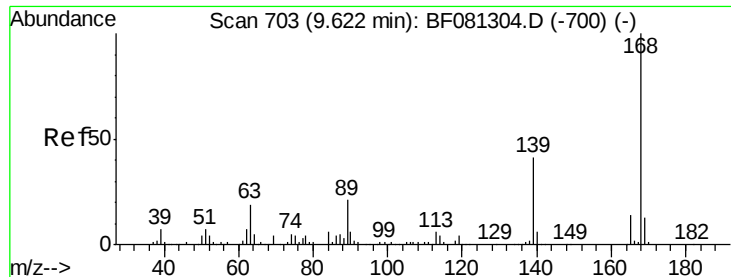
MMDadoda
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#51
Acenaphthene
Concen: 4.19 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	111.2	82.1	123.1
152	55.1	37.9	56.9





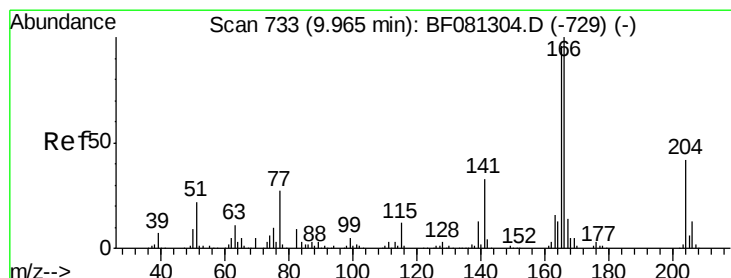
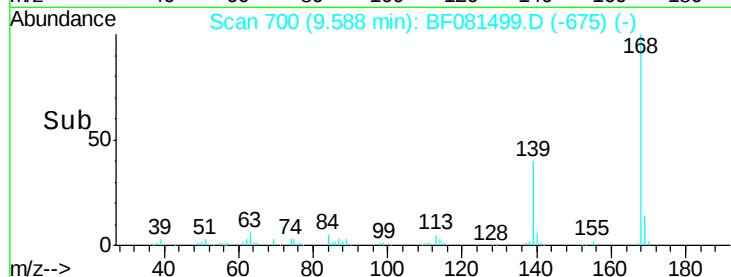
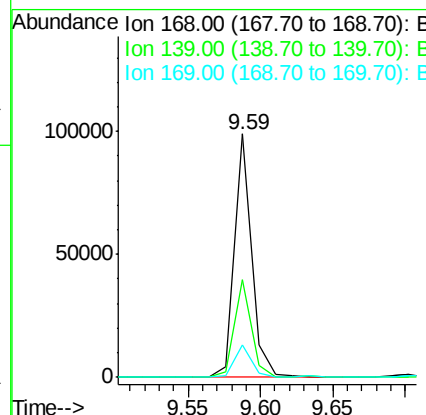
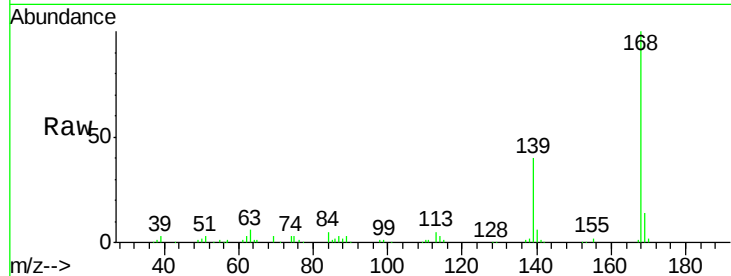
#54
Dibenzenofuran
Concen: 9.38 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	81503		
139	39.9	24.2	36.2#	
169	13.6	10.6	15.8	

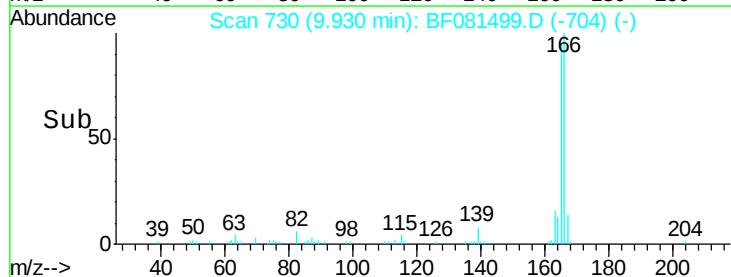
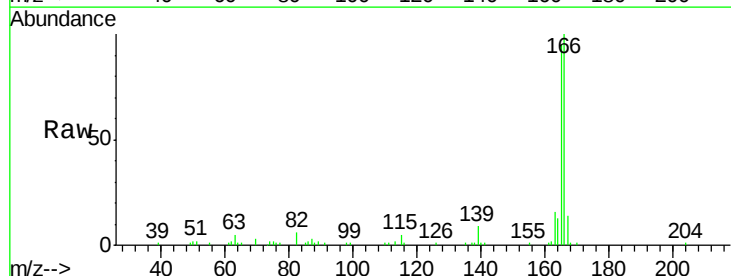
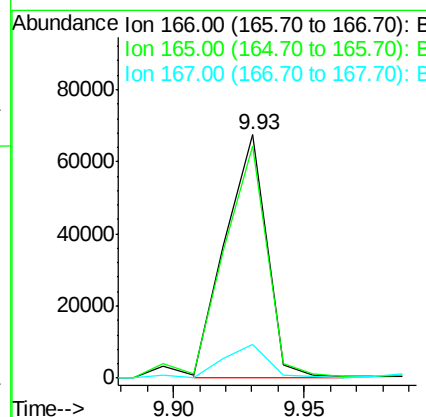
Manual Integrations
APPROVED

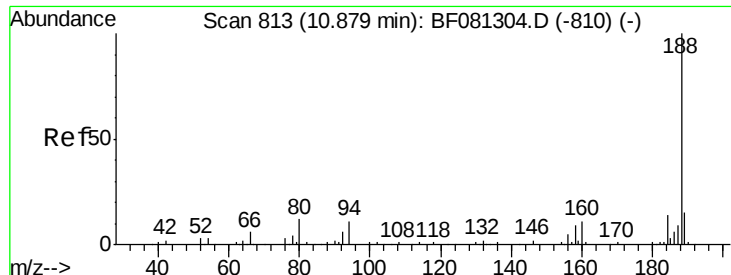
MMDadoda
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#57
Fluorene
Concen: 11.33 ng m
RT: 9.93 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	74753		
165	95.3	72.6	109.0	
167	13.9	10.6	16.0	





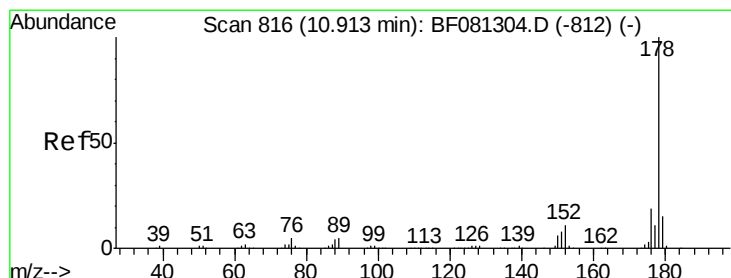
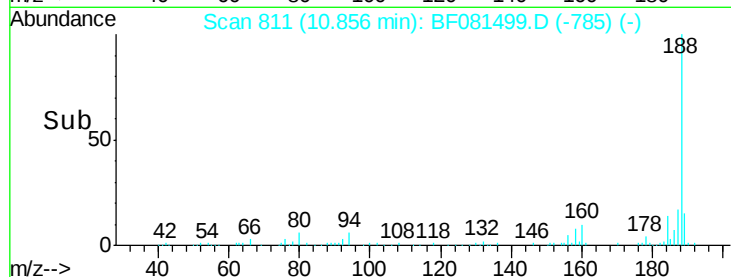
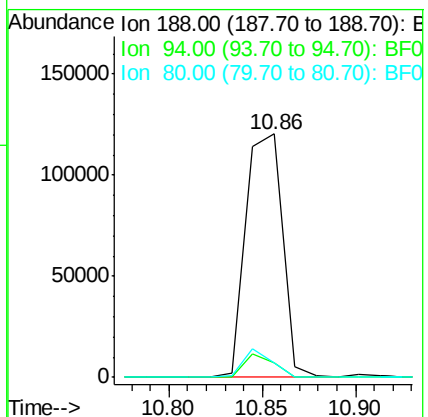
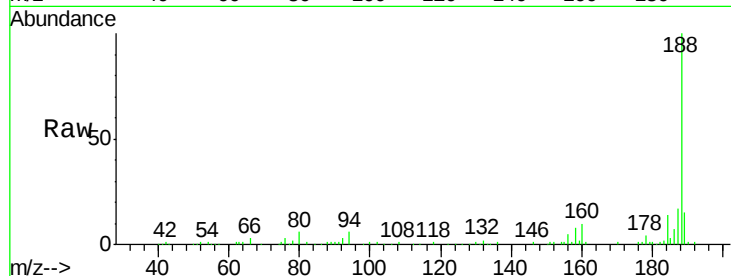
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.8	11.1	16.7#
80	5.9	11.0	16.4#

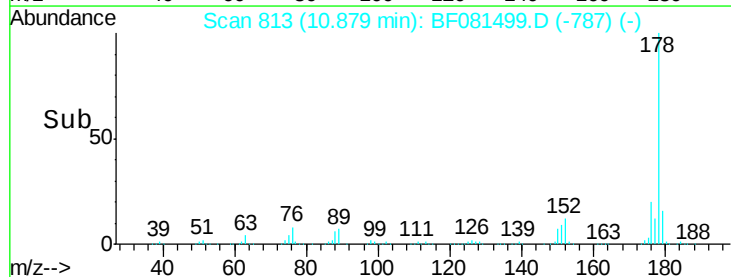
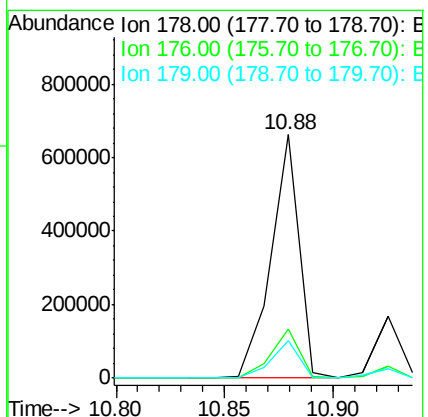
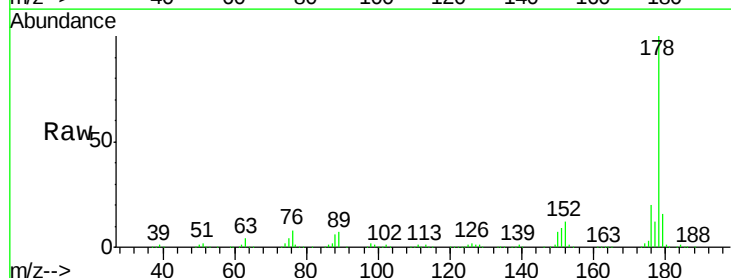
Manual Integrations
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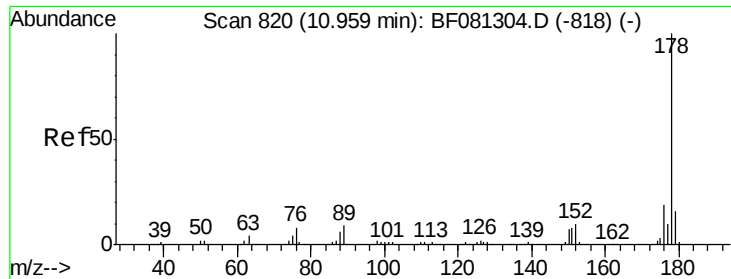
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#70
Phenanthrene
Concen: 65.56 ng
RT: 10.88 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	13.8	20.8
179	15.6	12.2	18.2





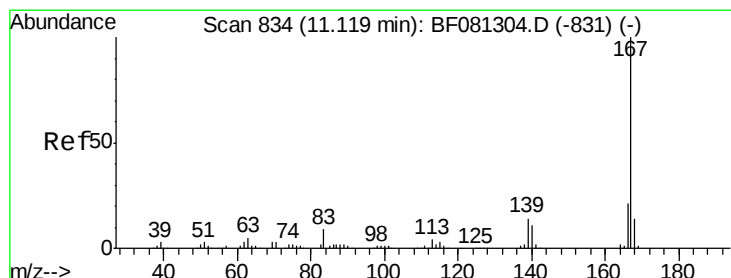
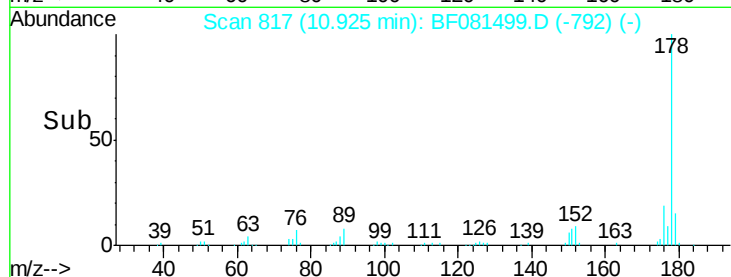
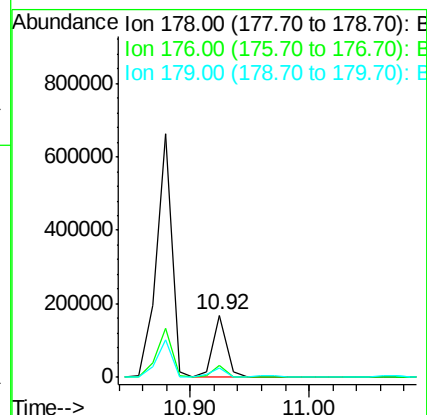
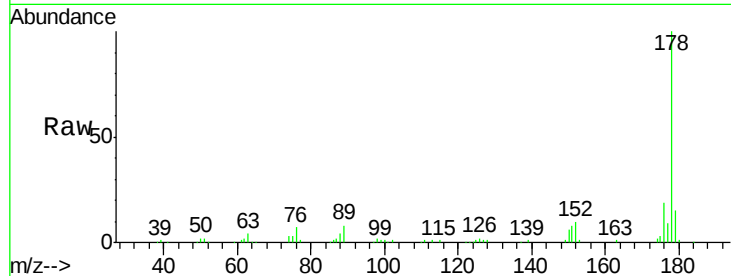
#71
 Anthracene
 Concen: 14.91 ng
 RT: 10.92 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	141491		
176	19.1	14.1	21.1	
179	15.1	12.2	18.2	

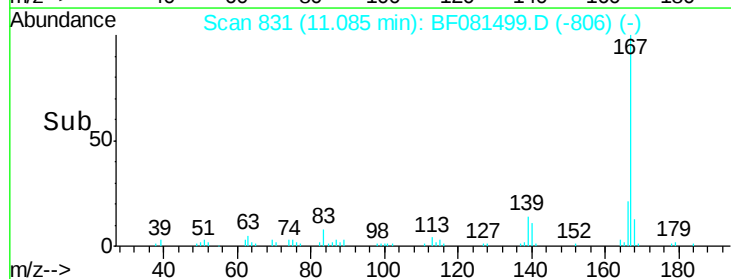
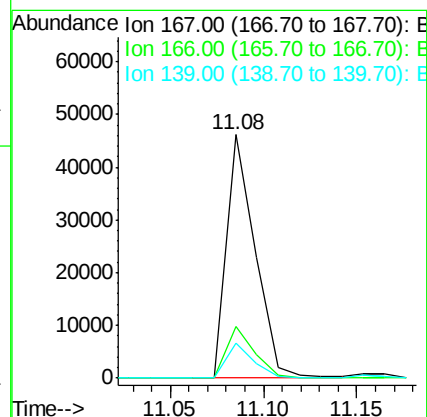
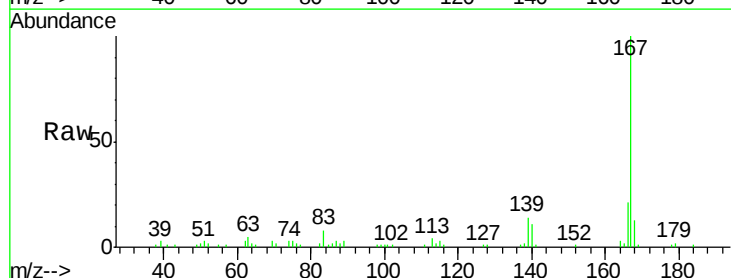
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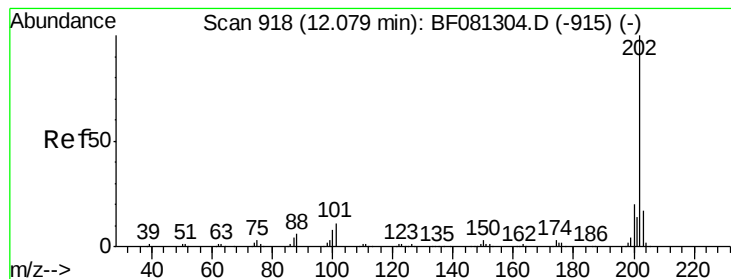
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#72
 Carbazole
 Concen: 5.58 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	49731		
166	21.1	15.7	23.5	
139	14.2	9.5	14.3	





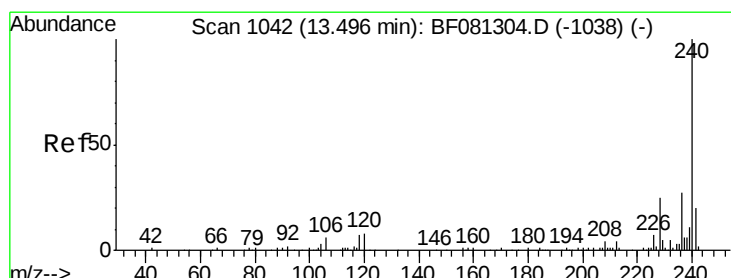
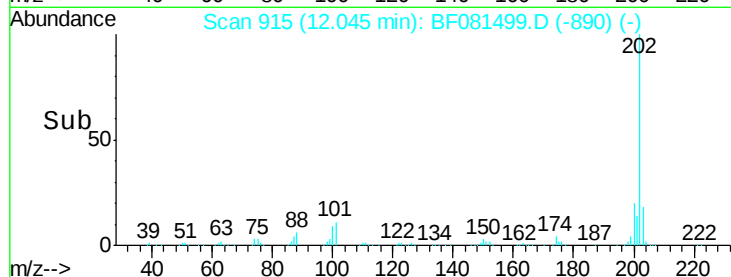
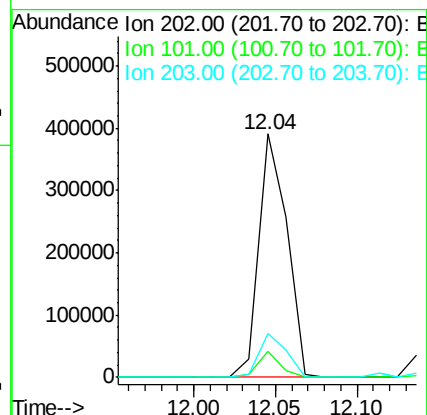
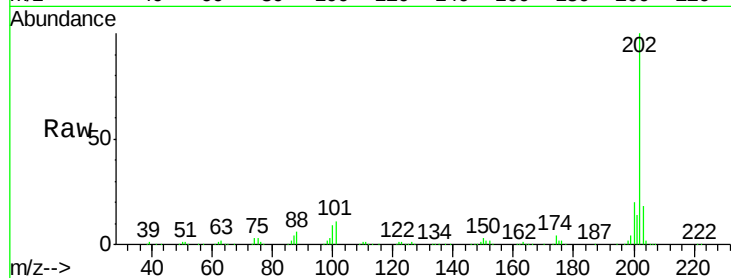
#74
 Fluoranthene
 Concen: 46.84 ng
 RT: 12.04 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	0.0	38.3
203	17.9	0.0	37.3

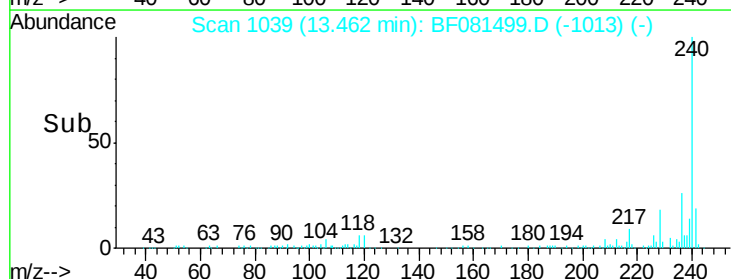
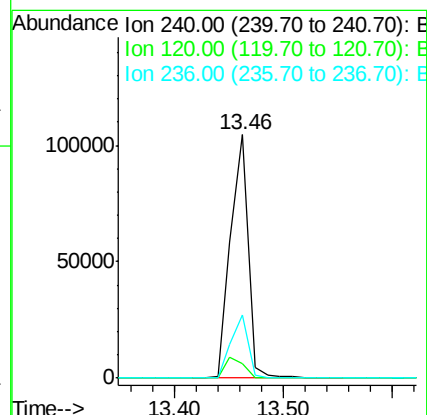
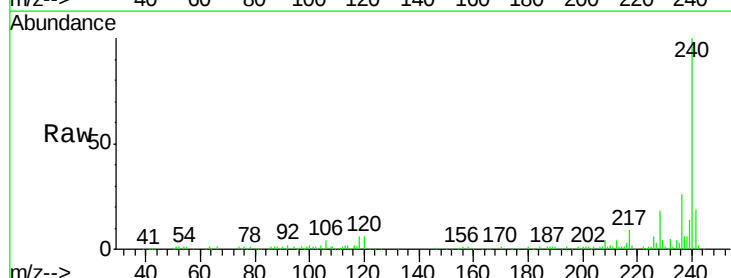
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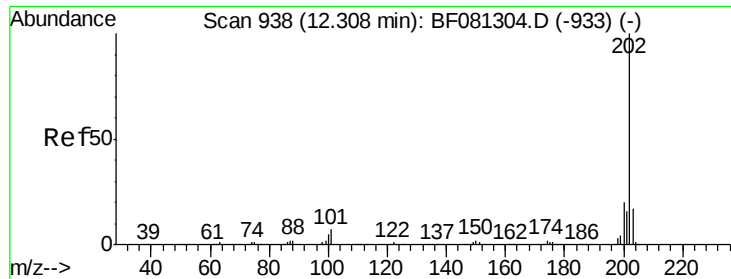
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 9/8/2015 3:57:22 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.46 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.8	16.2	24.2#
236	26.1	18.4	27.6





#77

Pyrene

Concen: 57.75 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF081499.D

Acq: 6 Sep 2015 9:41

Instrument :

BNA_F

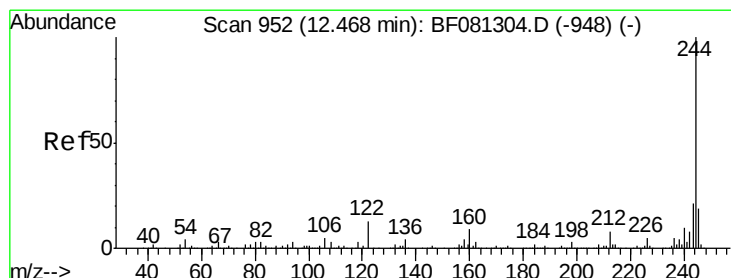
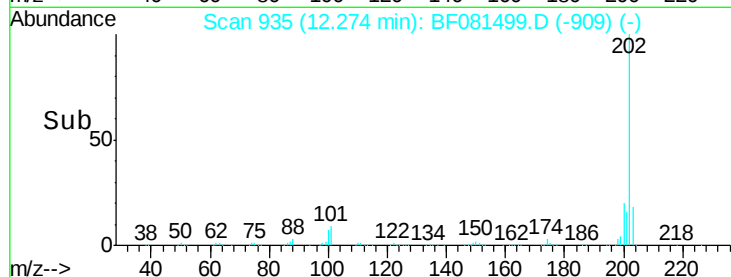
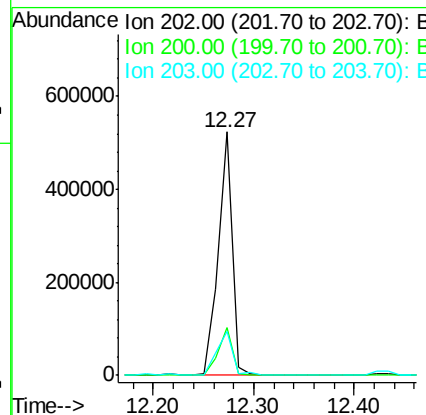
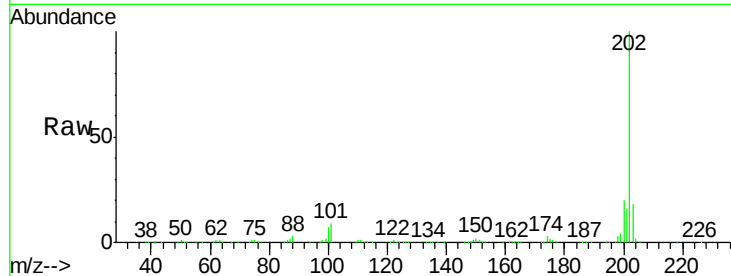
ClientSampleId :

MGP207BR-25-25.5DL

Tgt Ion:	202	Resp:	504461
Ion Ratio	Lower	Upper	
202	100		
200	19.7	15.0	22.4
203	17.9	14.1	21.1

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#78

Terphenyl-d14

Concen: 59.61 ng

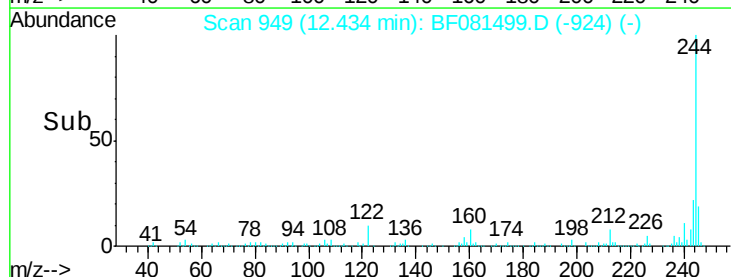
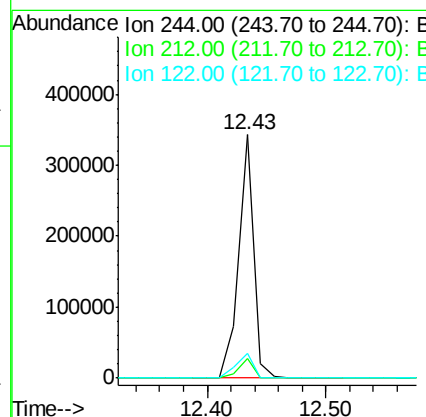
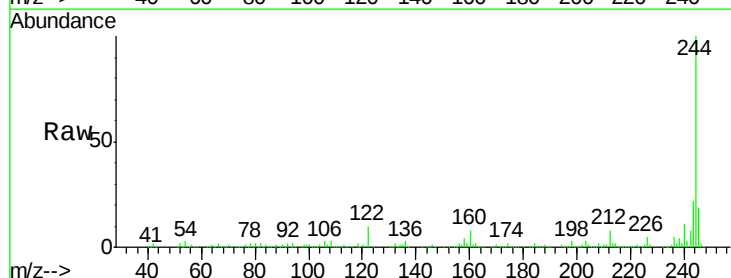
RT: 12.43 min Scan# 949

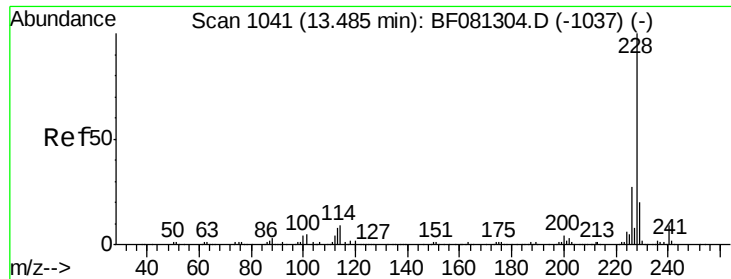
Delta R.T. -0.01 min

Lab File: BF081499.D

Acq: 6 Sep 2015 9:41

Tgt Ion:	244	Resp:	301931
Ion Ratio	Lower	Upper	
244	100		
212	7.9	4.3	6.5#
122	9.9	17.4	26.2#





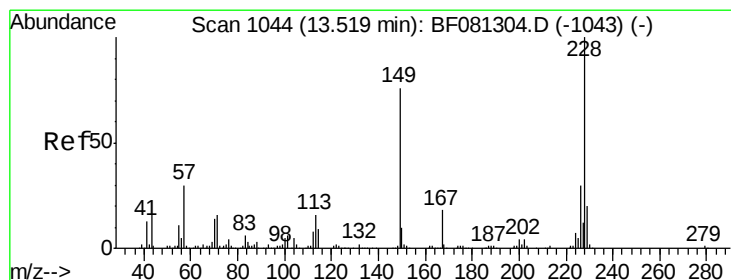
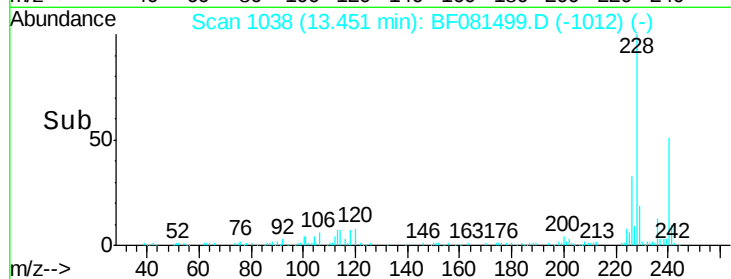
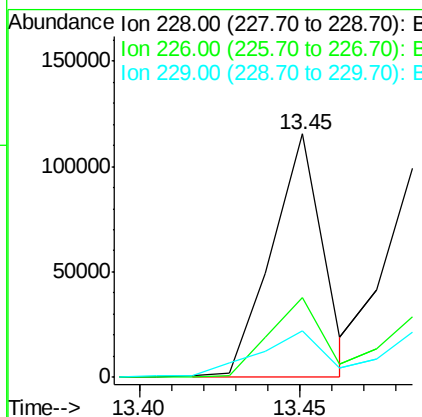
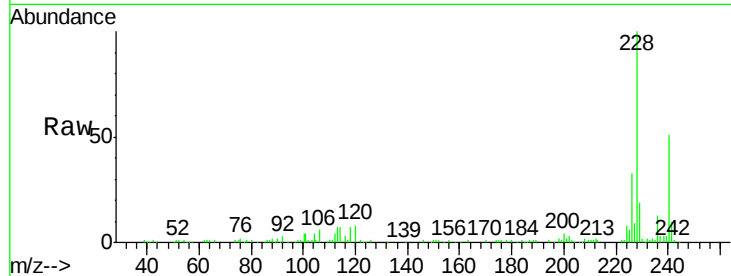
#80
Benzo(a)anthracene
Concen: 16.98 ng m
RT: 13.45 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	20.0	30.0#
229	19.0	15.4	23.2

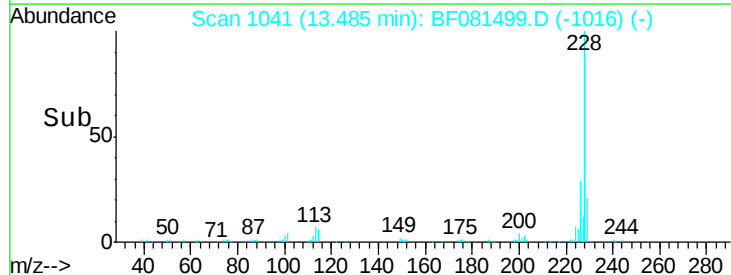
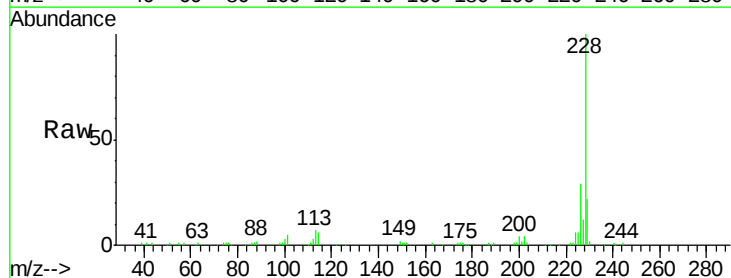
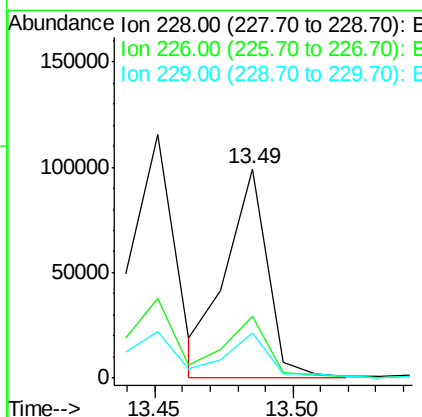
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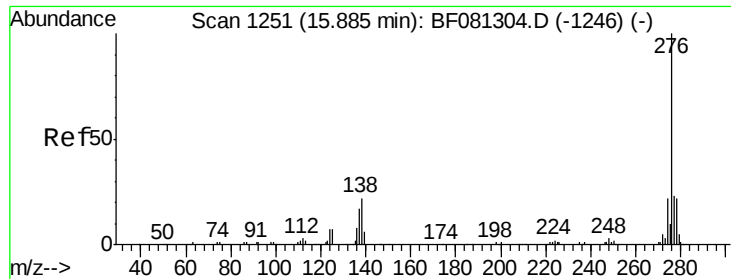
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#82
Chrysene
Concen: 15.42 ng m
RT: 13.49 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.0	31.4
229	21.7	15.6	23.4





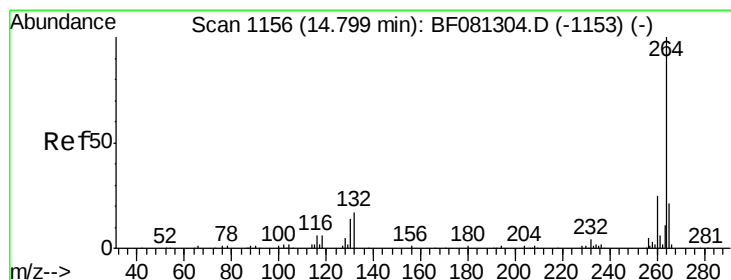
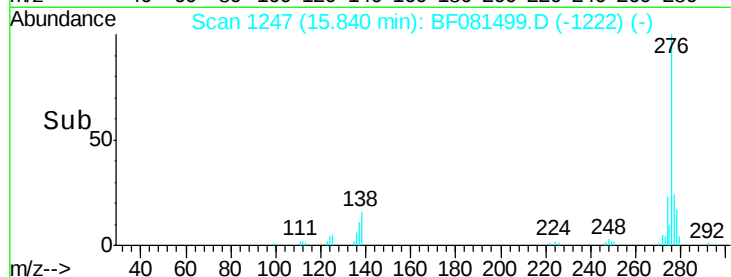
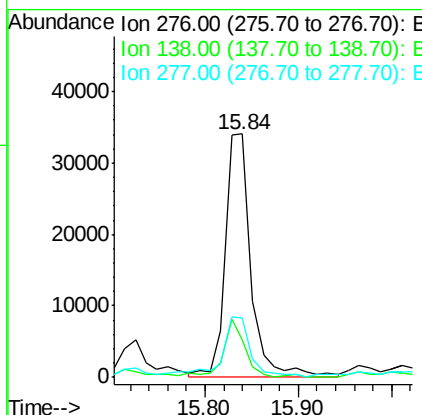
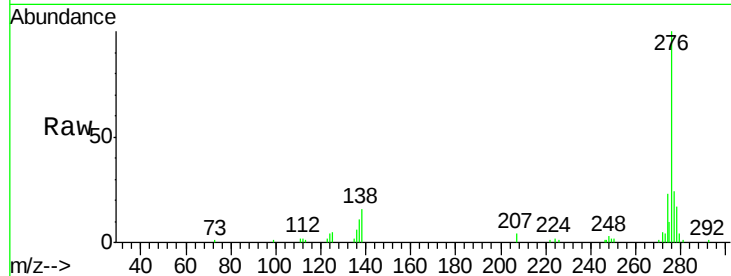
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.33 ng
 RT: 15.84 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.7	38.5#
277	28.4	15.6	23.4#

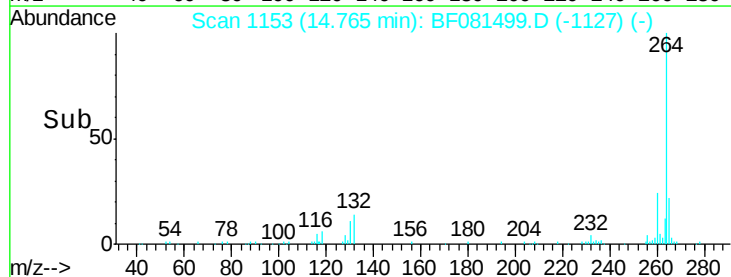
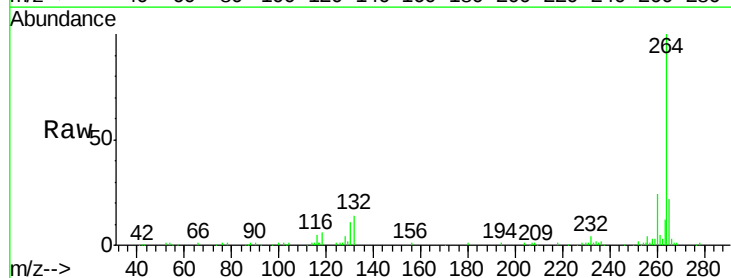
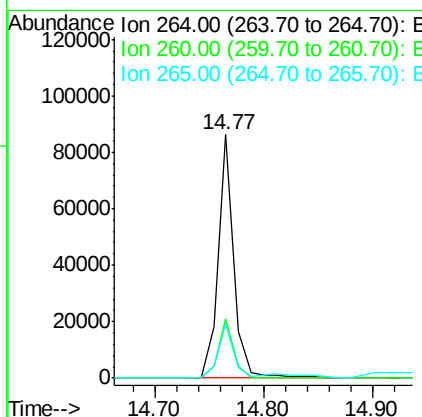
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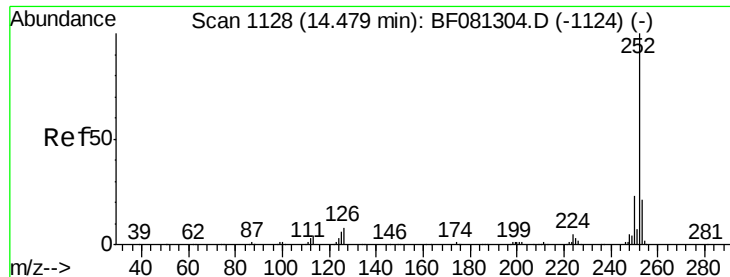
MMDadoda
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	22.1	17.2	25.8





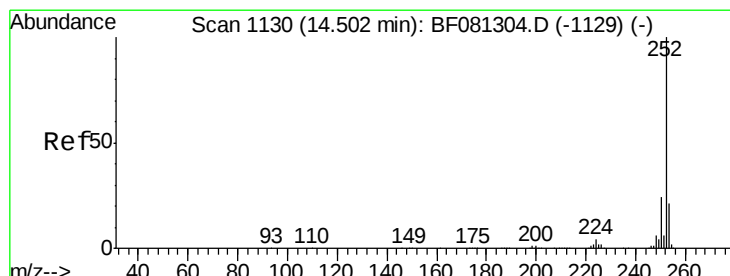
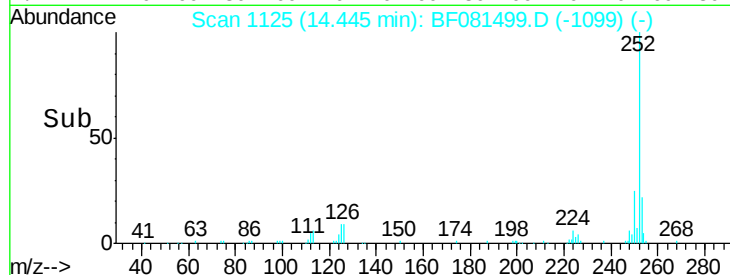
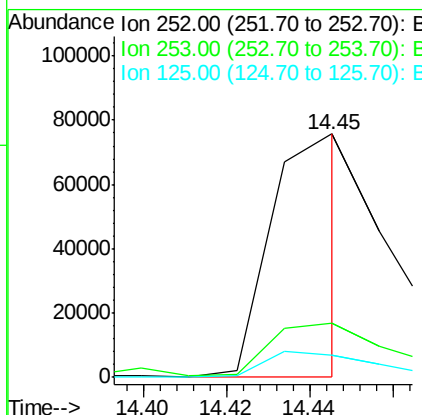
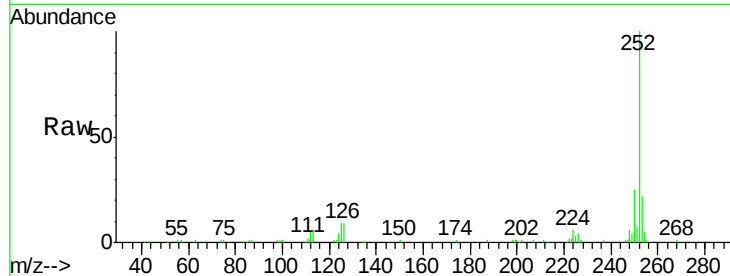
#87
Benzo(b)fluoranthene
Concen: 16.07 ng m
RT: 14.45 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.1	17.1	25.7#

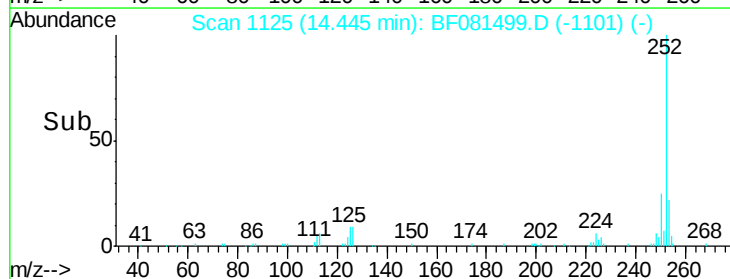
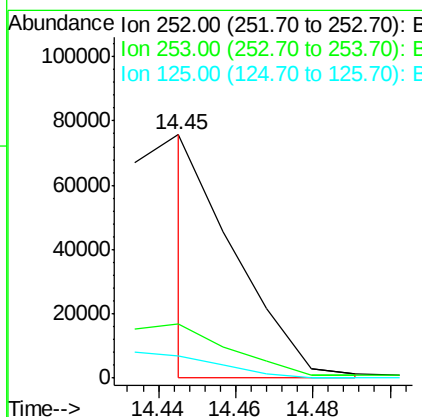
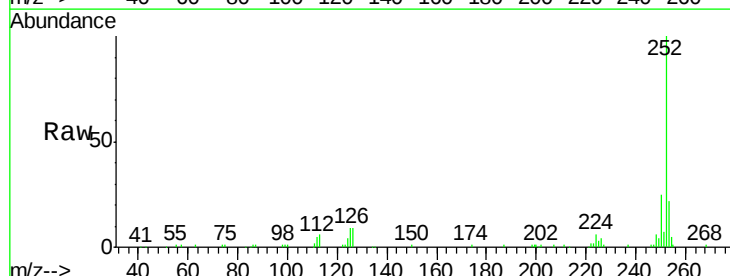
Manual Integrations
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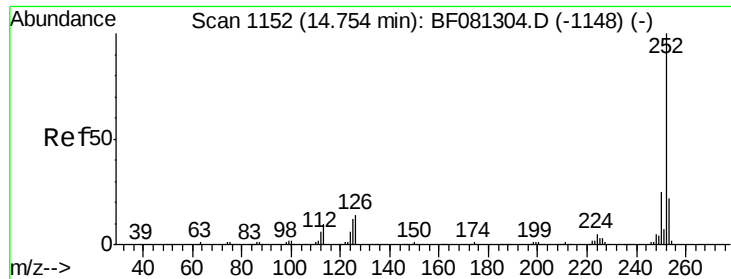
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#88
Benzo(k)fluoranthene
Concen: 9.55 ng m
RT: 14.45 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	9.1	16.0	24.0#





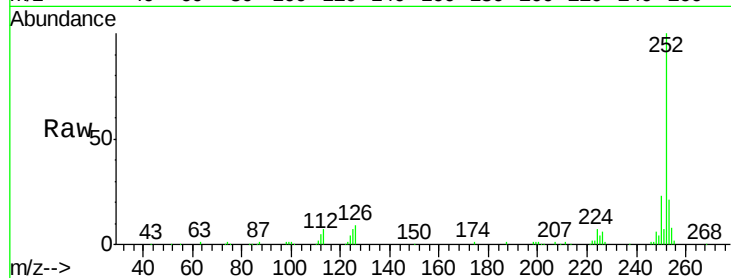
#89
Benzo(a)pyrene
Concen: 17.80 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5DL

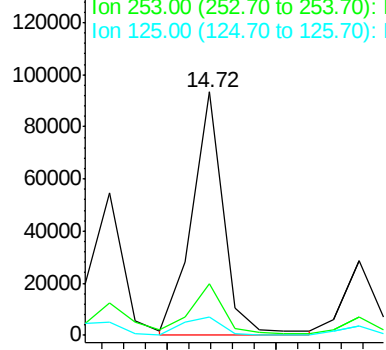
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.2	25.8
125	7.4	18.0	27.0#

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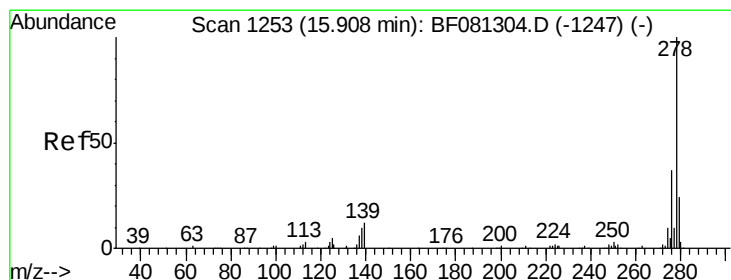
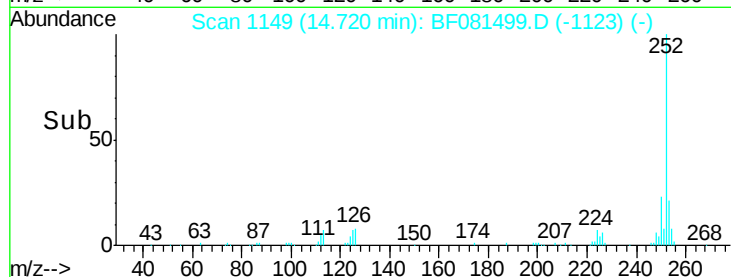
MMDadoda
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



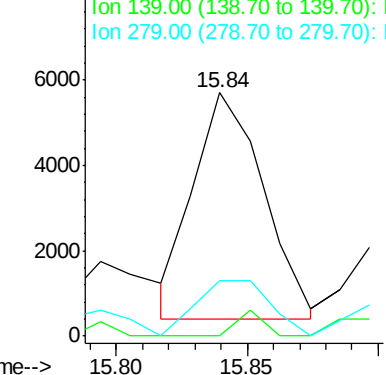
Time-->



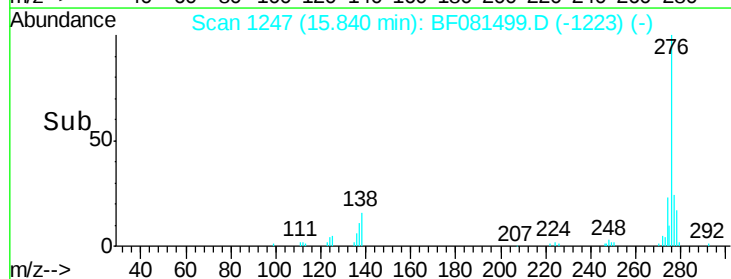
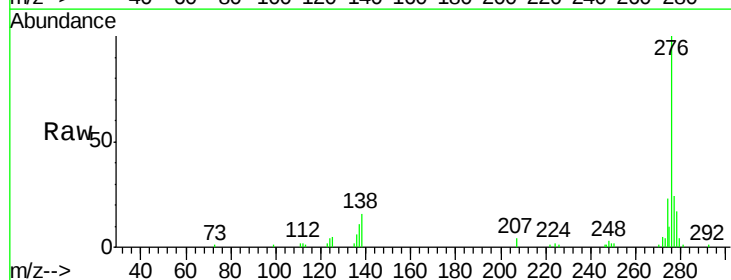
#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng m
RT: 15.84 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF081499.D
Acq: 6 Sep 2015 9:41

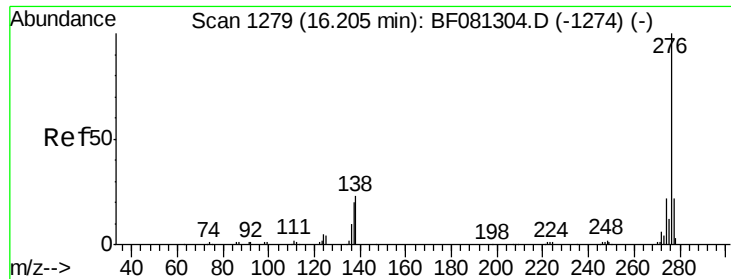
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	26.3	39.5#
279	23.0	18.2	27.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#91
 Benzo(g,h,i)perylene
 Concen: 19.45 ng
 RT: 16.15 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: BF081499.D
 Acq: 6 Sep 2015 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MGP207BR-25-25.5DL

Tgt Ion:	276	Resp:	75124
Ion Ratio		Lower	Upper
276	100		
277	22.7	17.8	26.6
138	20.8	34.6	51.8#

Manual Integrations
 APPROVED

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