

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091058.D
 Acq On : 7 Nov 2016 16:18
 Operator : UM/SJ
 Sample : H5536-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW06-GW

Manual Integrations
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Quant Time: Nov 08 00:21:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 00:06:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	158038	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	632635	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	350058	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	510621	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	452177	20.00	ng	0.00
86) Perylene-d12	15.20	264	354232	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	271501	28.37	ng	0.01
7) Phenol-d6	6.32	99	285740	22.00	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1094237	94.35	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	206272	65.18	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1612466	79.30	ng	-0.01
78) Terphenyl-d14	12.79	244	1804757	99.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	501241	16.57	ng	98
37) 2-Methylnaphthalene	8.67	142	68504	3.52	ng	99
49) Dimethylphthalate	9.44	163	256650	11.18	ng	98
51) Acenaphthene	9.74	154	200686	10.57	ng	99
54) Dibenzofuran	9.92	168	169970	6.65	ng	95
57) Fluorene	10.26	166	186643	8.93	ng	99
70) Phenanthrene	11.21	178	435625	16.05	ng	99
71) Anthracene	11.26	178	187389	6.49	ng	98
72) Carbazole	11.43	167	102839	3.95	ng	98
73) Di-n-butylphthalate	11.76	149	67852	2.07	ng	98
74) Fluoranthene	12.40	202	419975	14.92	ng	95
77) Pvrene	12.63	202	350238	11.83	ng	98
80) Benzo(a)anthracene	13.81	228	101735m	3.96	ng	
82) Chrysene	13.85	228	72548m	2.87	ng	
83) Bis(2-ethylhexyl)phthalate	13.81	149	78331	4.09	ng	# 99
87) Benzo(b)fluoranthene	14.82	252	70152m	2.92	ng	
89) Benzo(a)pyrene	15.14	252	51999	2.49	ng	# 91

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

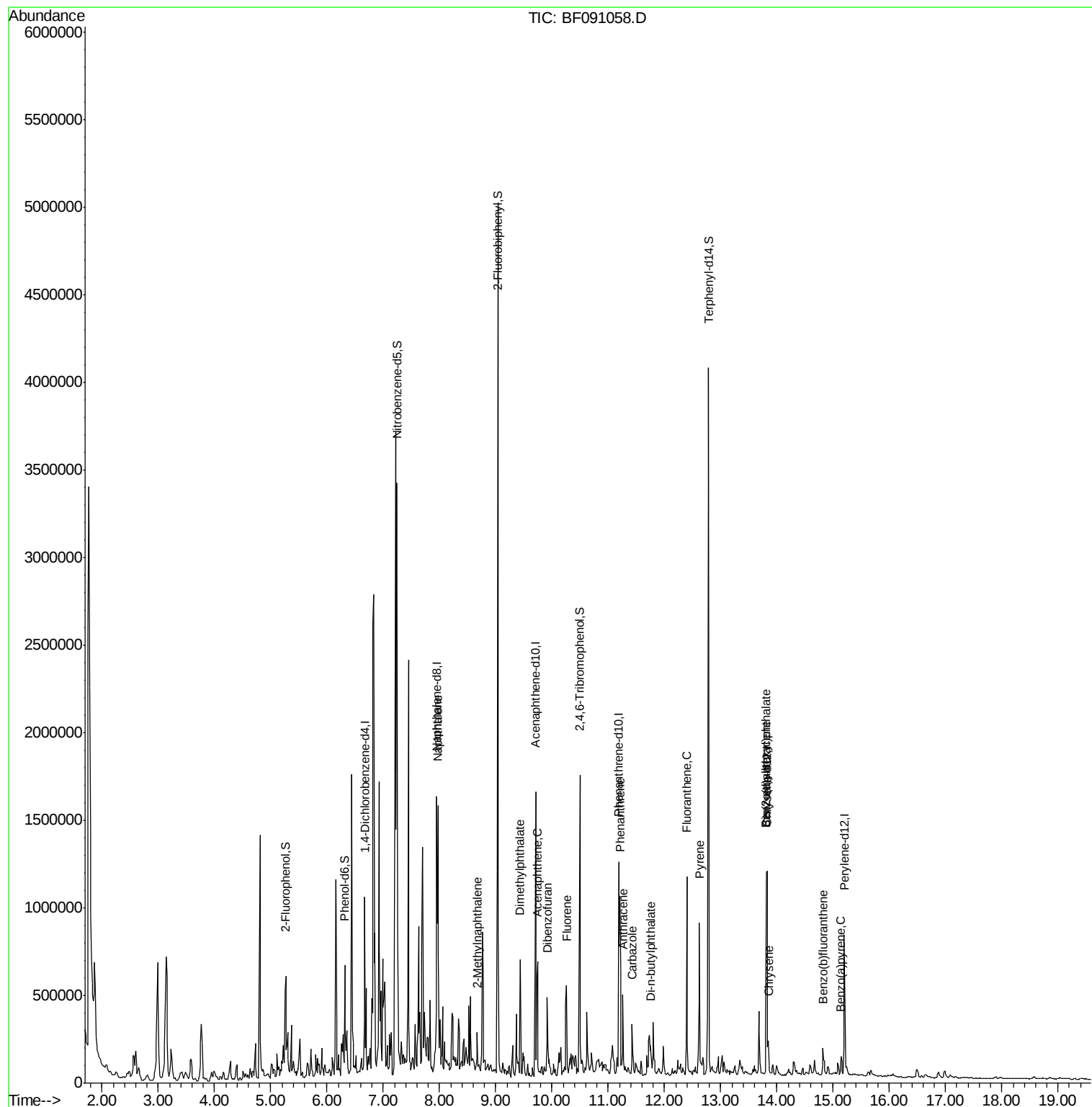
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091058.D
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ALS Vial : 10 Sample Multiplier: 1

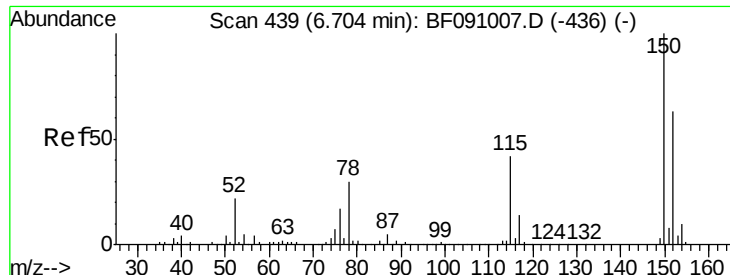
Instrument :
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Quant Time: Nov 08 00:21:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

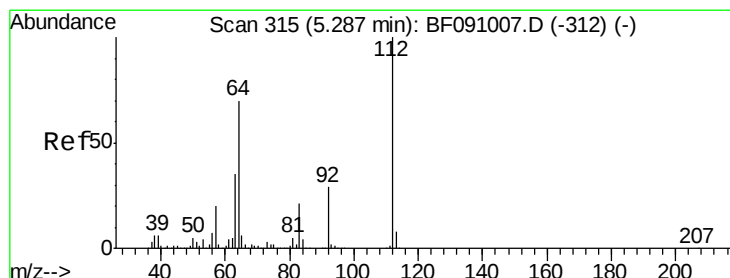
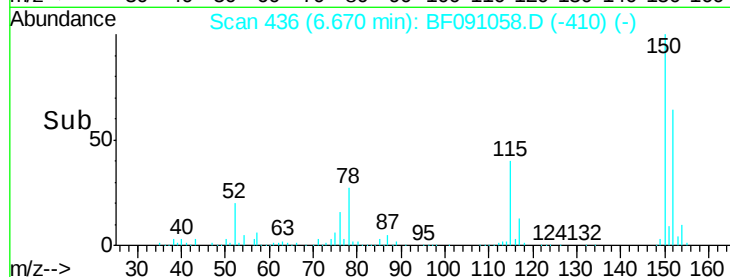
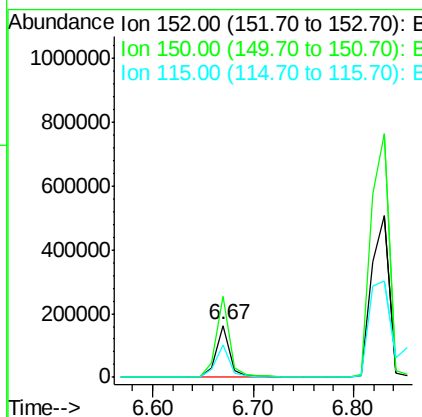
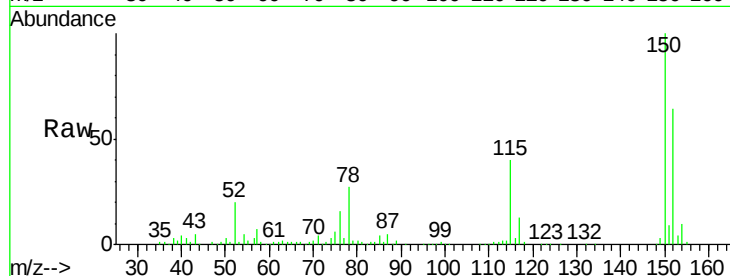
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.8	190.2
115	62.1	53.3	79.9

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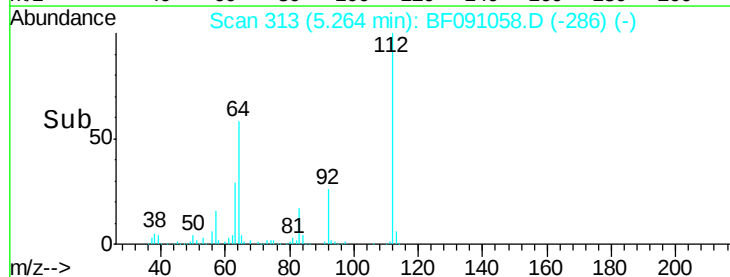
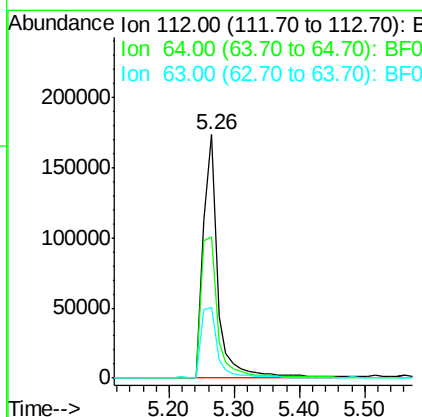
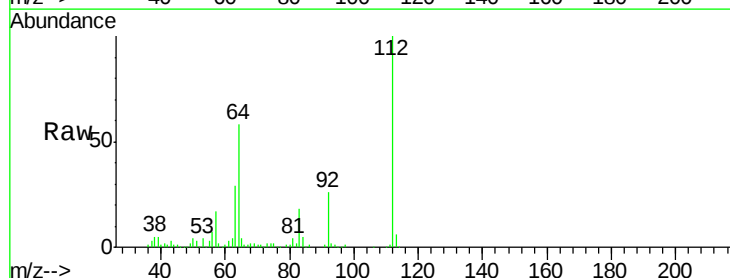
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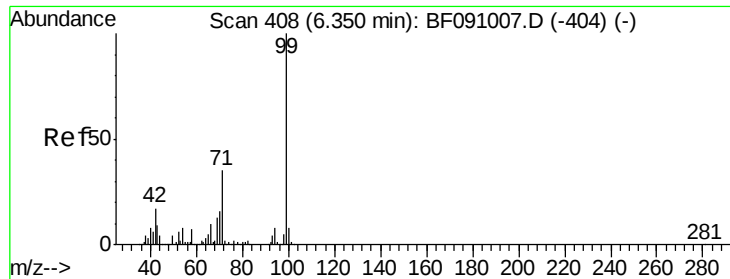


#5

2-Fluorophenol
Concen: 28.37 ng
RT: 5.26 min Scan# 313
Delta R.T. 0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	55.8	83.6
63	29.2	28.0	42.0





#7

Phenol-d6

Concen: 22.00 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Instrument :

BNA_F

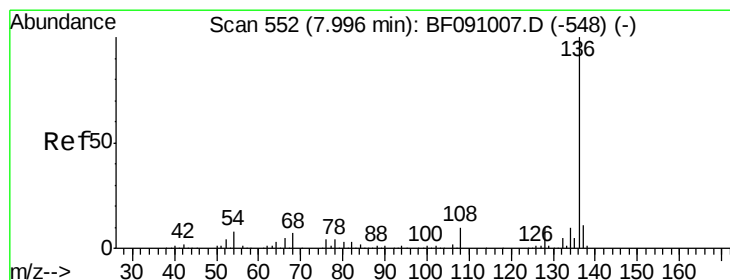
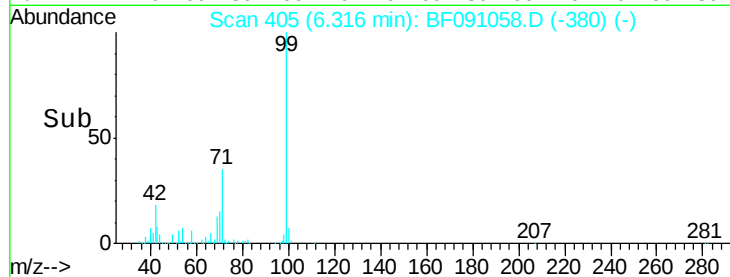
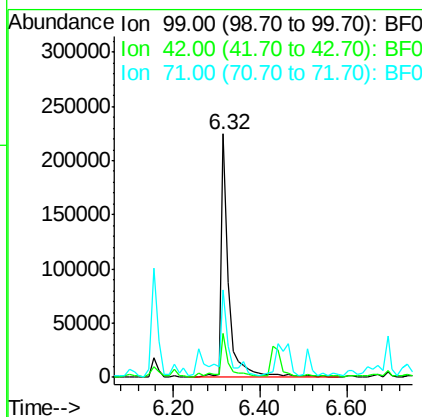
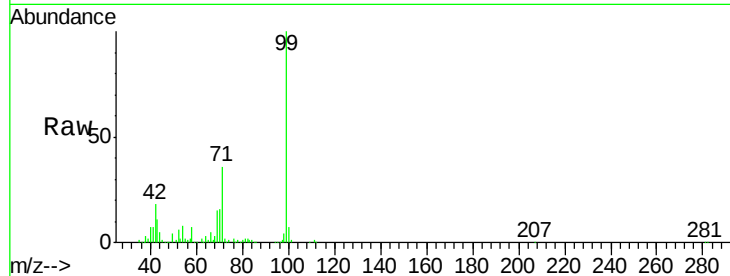
ClientSampleId :

RMAB-MW06-GW

Tot Ion:	99	Resp:	285740
Ion Ratio	Lower	Upper	
99	100		
42	18.1	13.9	20.9
71	36.1	27.8	41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

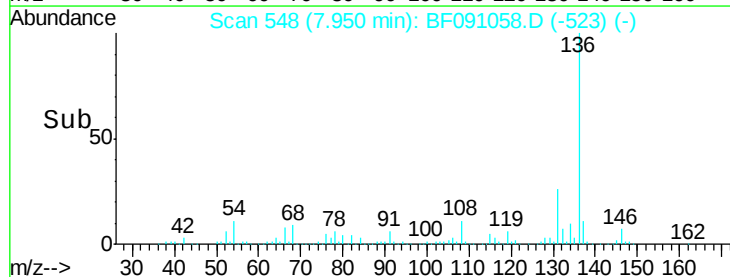
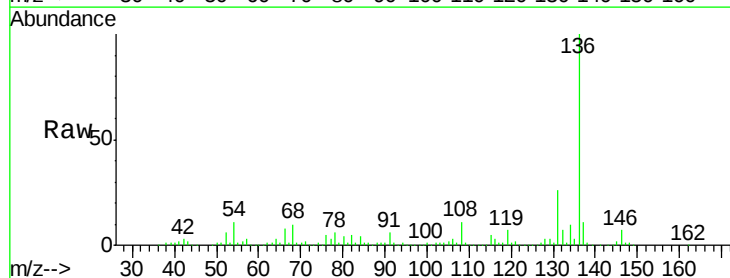
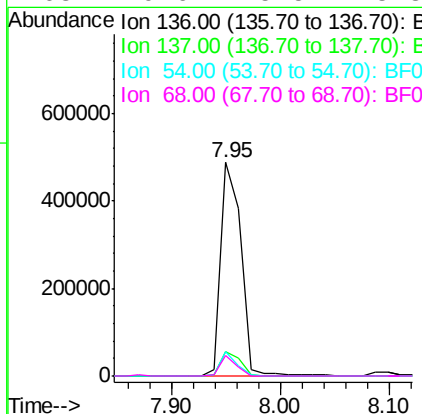
RT: 7.95 min Scan# 548

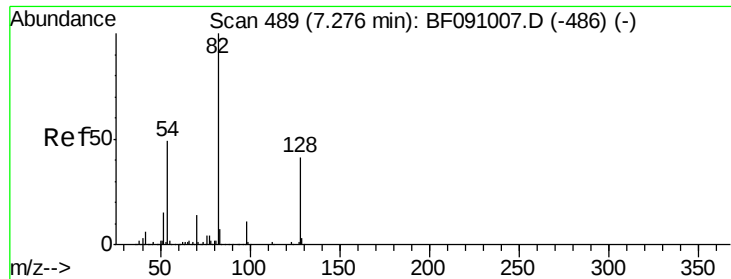
Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Tgt Ion:	136	Resp:	632635
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	11.2	6.2	9.2#
68	9.6	5.5	8.3#





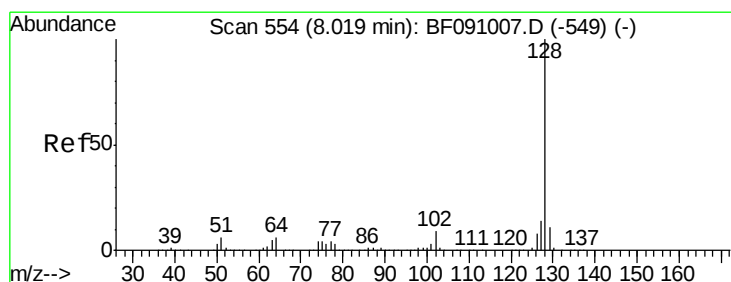
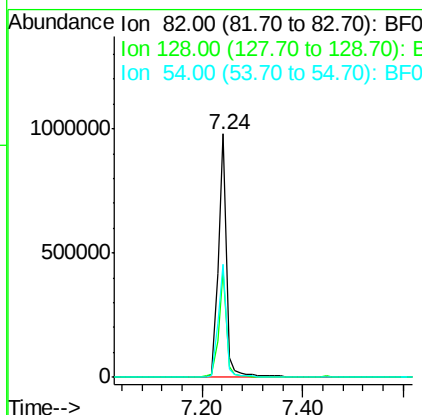
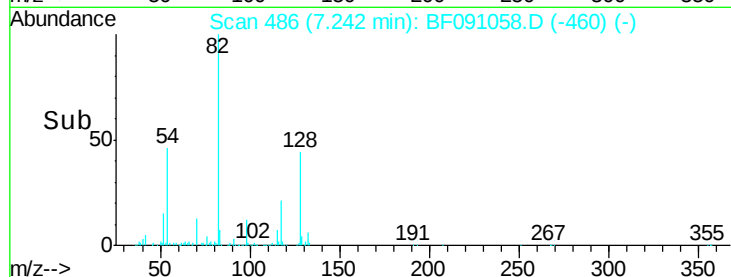
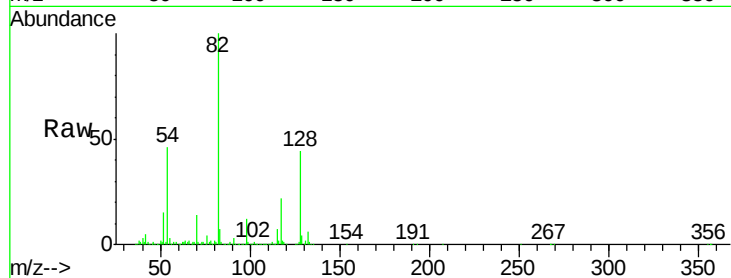
#23
Nitrobenzene-d5
Concen: 94.35 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	82	Resp	1094237
Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.4	48.6
54	46.4	39.2	58.8

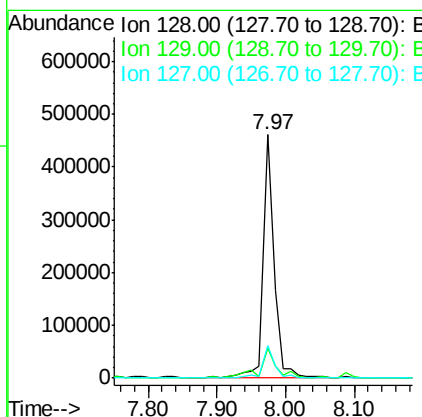
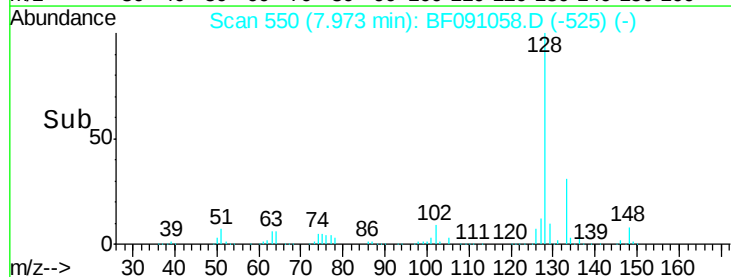
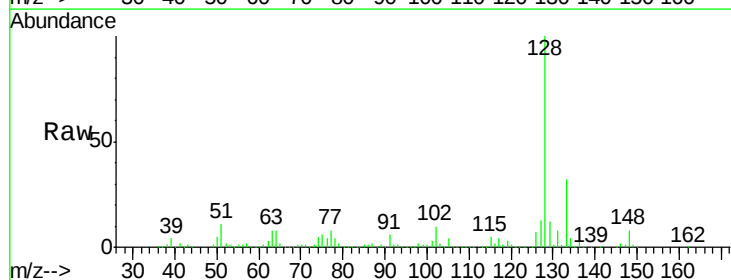
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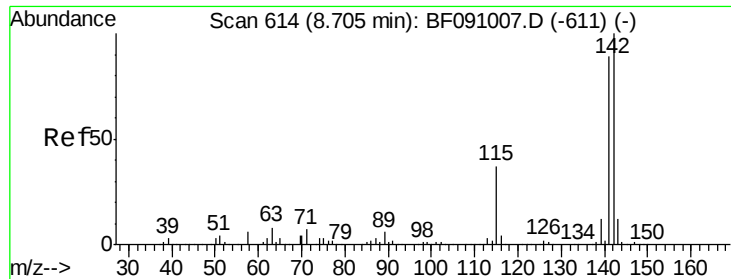
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#31
Naphthalene
Concen: 16.57 ng
RT: 7.97 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	128	Resp	501241
Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.0	13.6
127	13.2	10.9	16.3





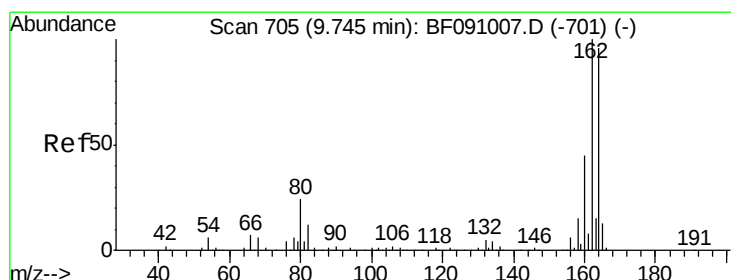
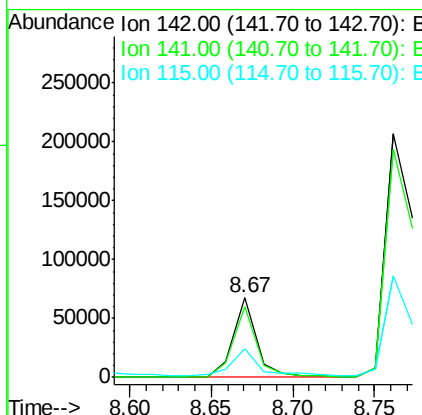
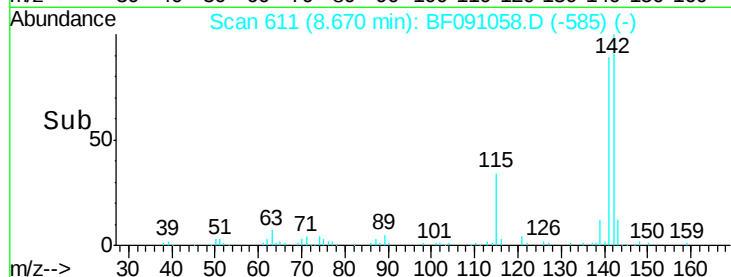
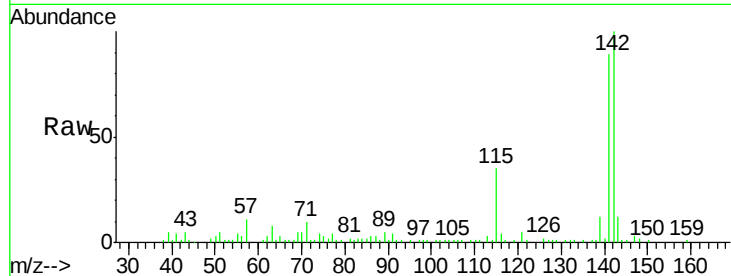
#37
2-Methylnaphthalene
Concen: 3.52 ng
RT: 8.67 min Scan# 611
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	35.3	29.9	44.9

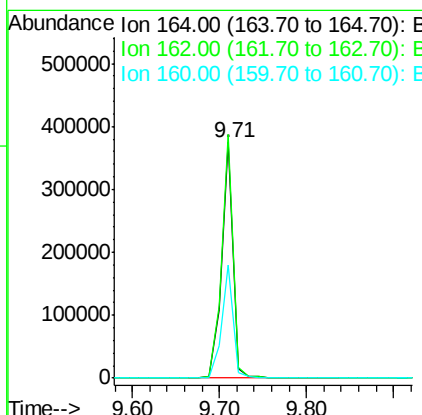
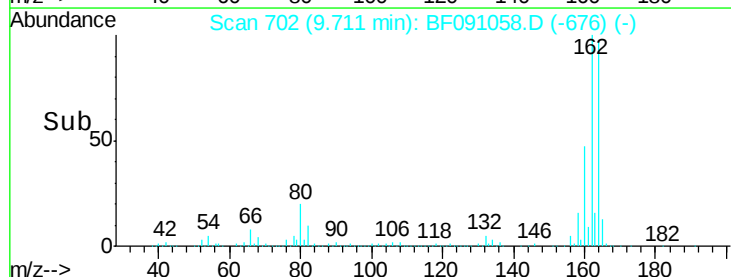
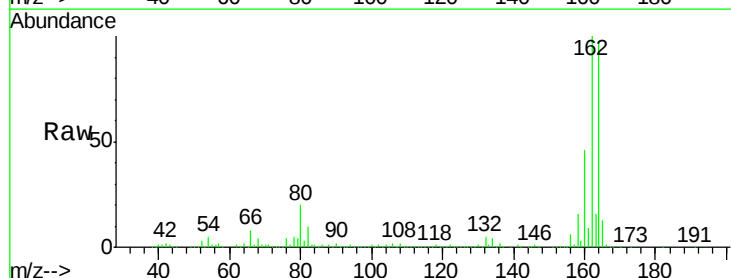
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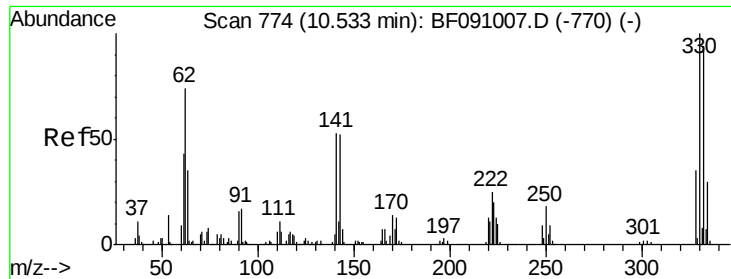
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.6	125.4
160	48.0	37.9	56.9





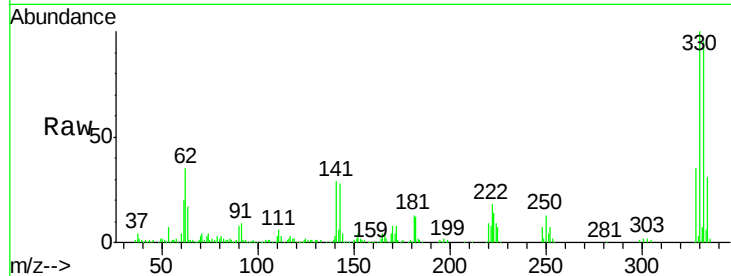
#41
 2,4,6-Tribromophenol
 Concen: 65.18 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF091058.D
 Acq: 7 Nov 2016 16:18

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW06-GW

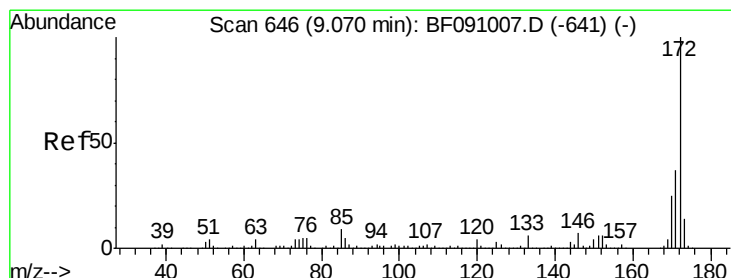
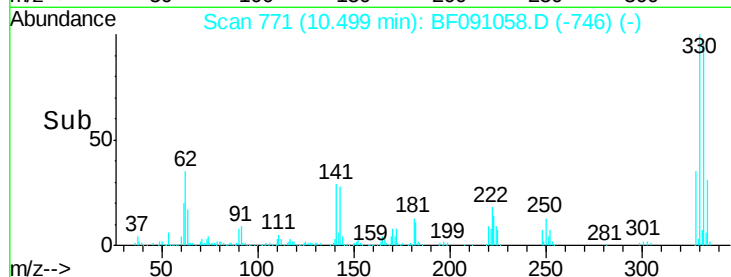
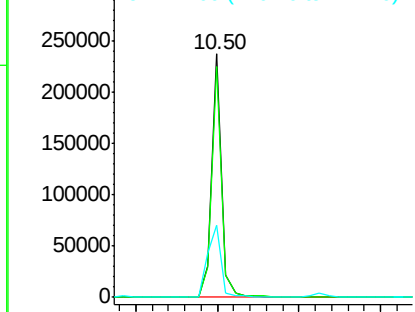
Tot Ion	Ratio	Resp	Lower	Upper
330	100	206272		
332	95.7	75.9	113.9	
141	40.4	36.1	54.1	

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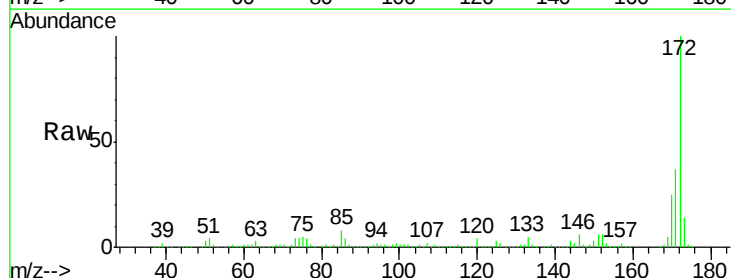


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

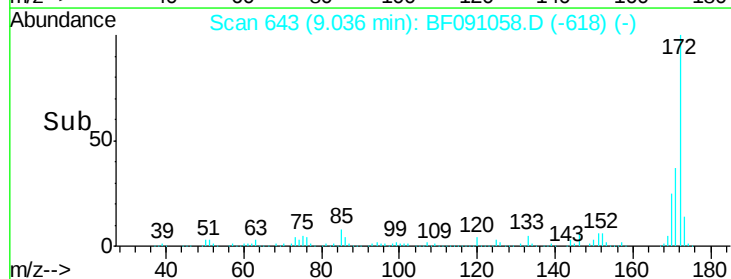
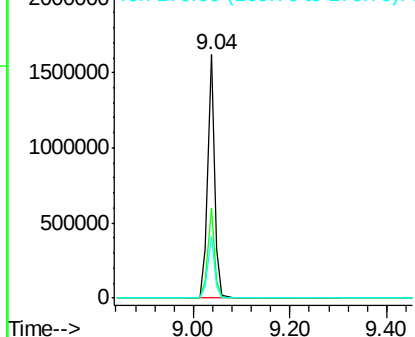


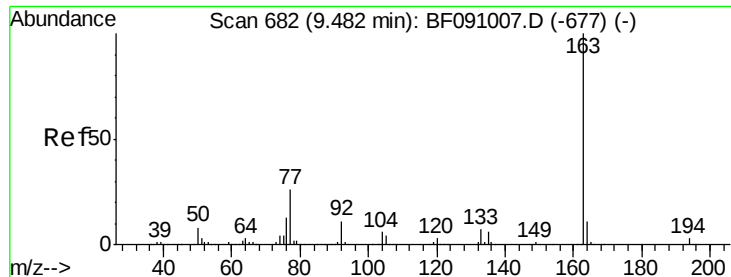
#44
 2-Fluorobiphenyl
 Concen: 79.30 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF091058.D
 Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1612466		
171	36.8	29.8	44.6	
170	25.2	20.3	30.5	



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





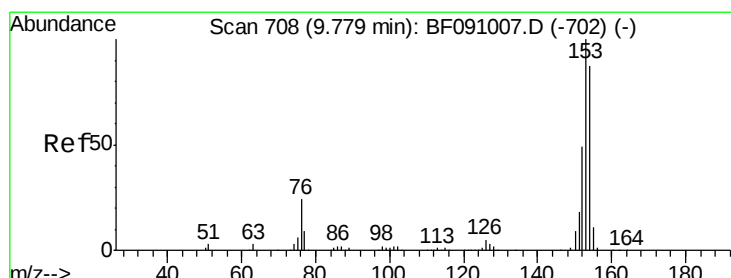
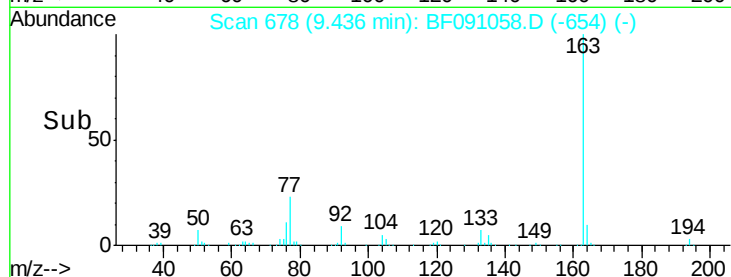
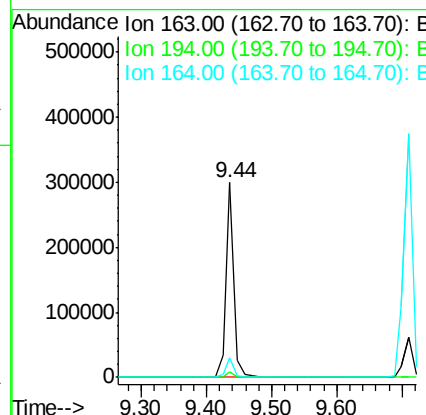
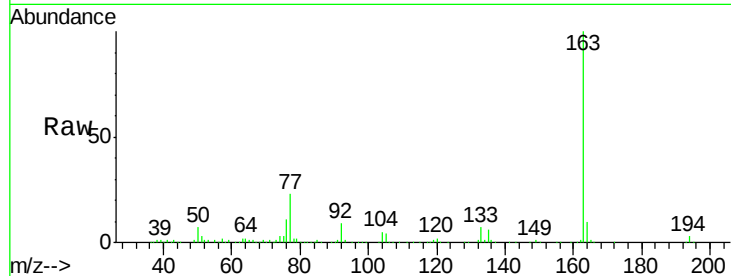
#49
Dimethylphthalate
Concen: 11.18 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	256650		
194	3.1	2.6	4.0	
164	9.9	8.7	13.1	

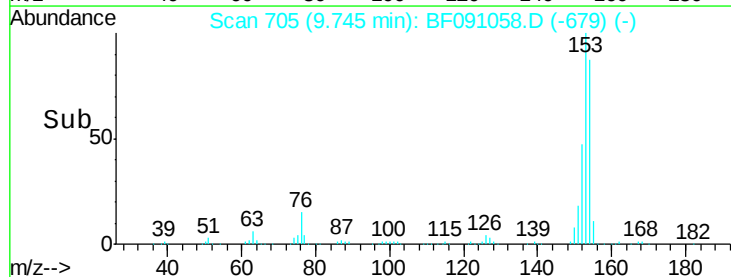
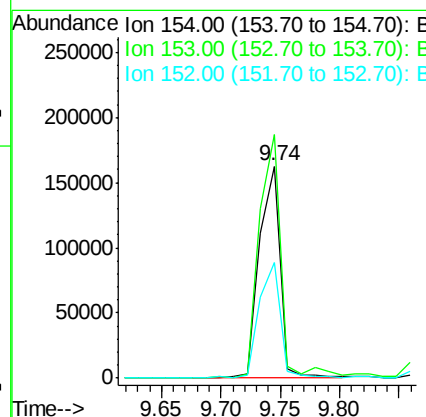
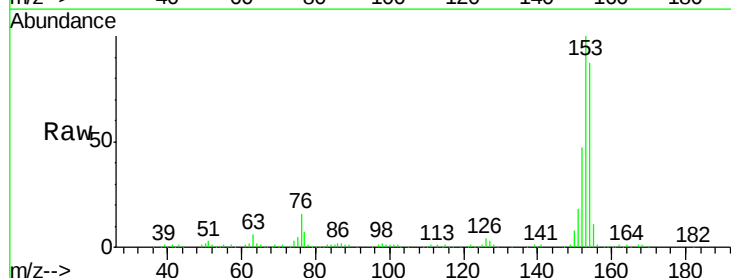
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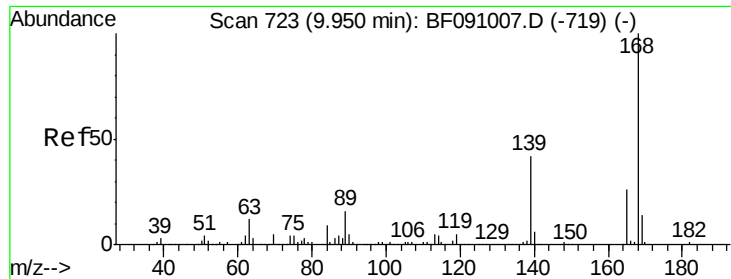
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#51
Acenaphthene
Concen: 10.57 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	200686		
153	114.8	91.6	137.4	
152	54.5	44.6	67.0	





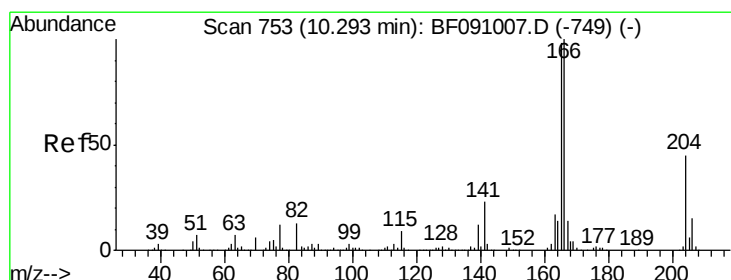
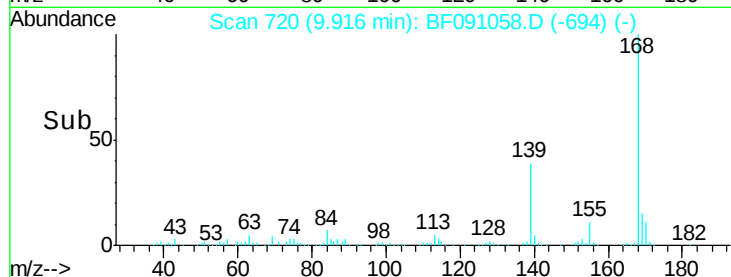
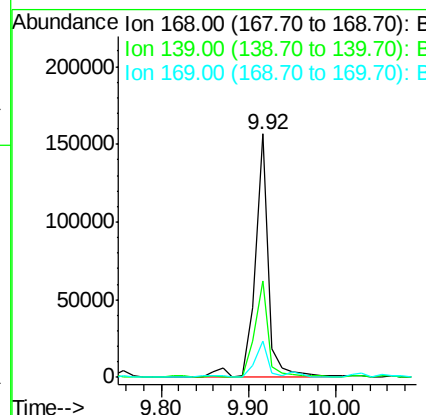
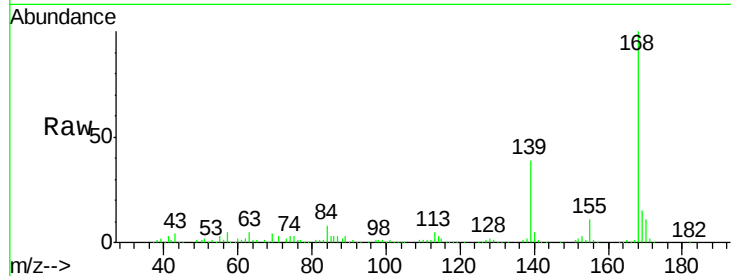
#54
Dibenzenofuran
Concen: 6.65 ng
RT: 9.92 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	34.8	52.2
169	14.8	11.4	17.2

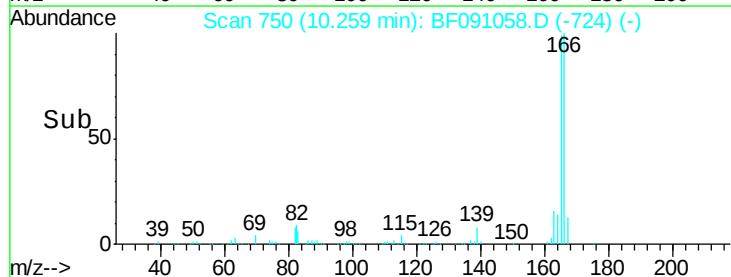
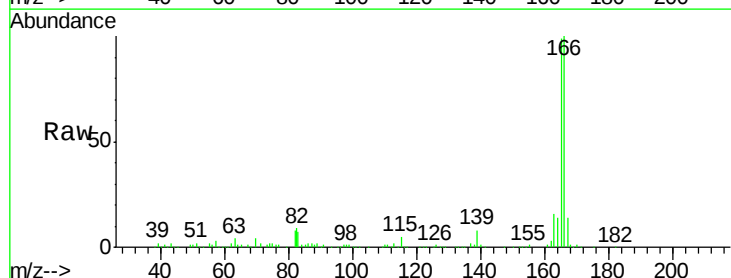
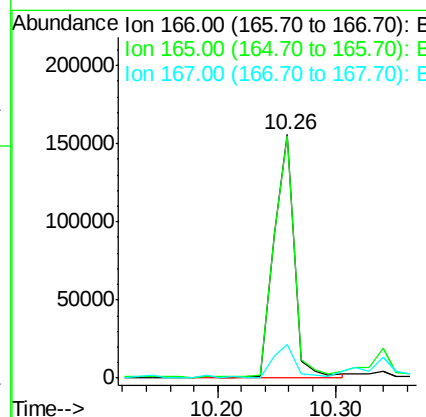
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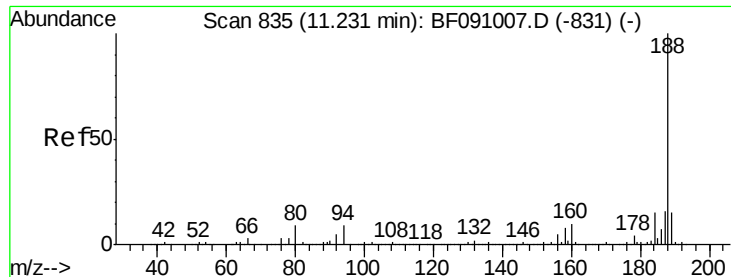
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#57
Fluorene
Concen: 8.93 ng
RT: 10.26 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.6	118.0
167	13.7	11.1	16.7





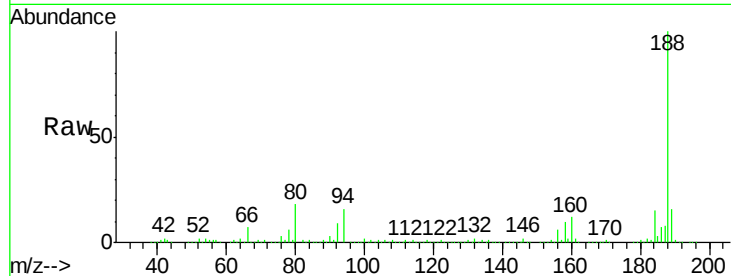
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

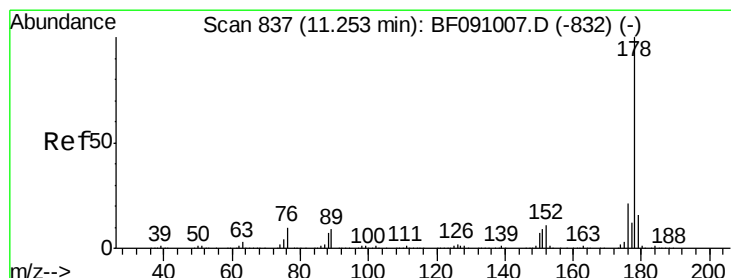
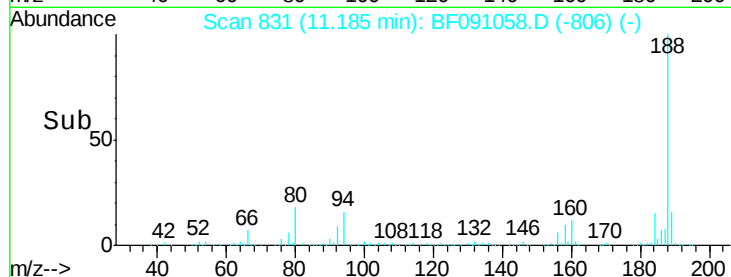
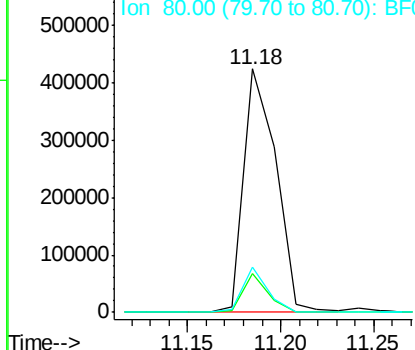
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	16.1	7.0	10.4	
80	18.4	7.5	11.3	

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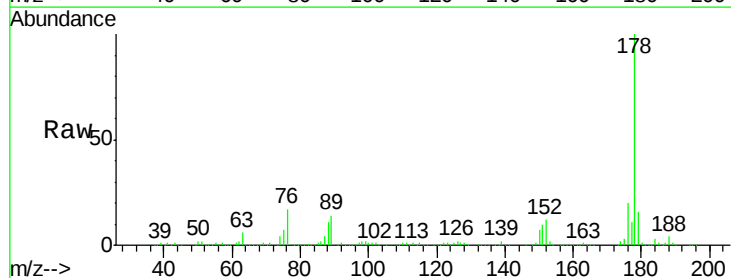


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

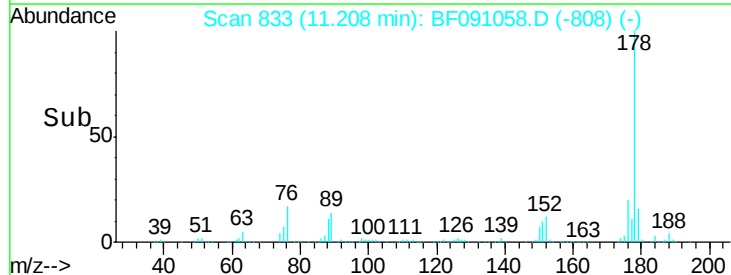
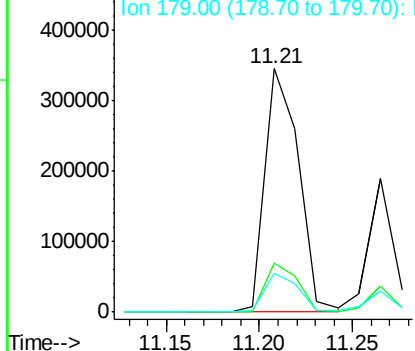


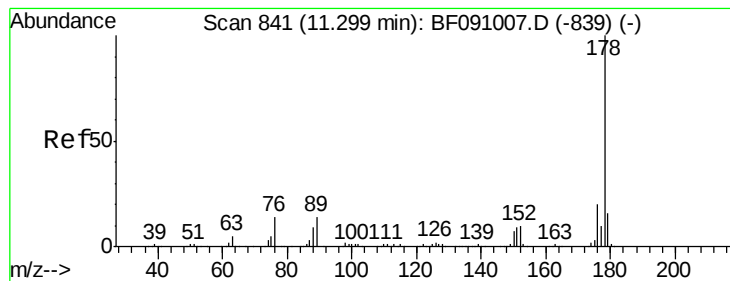
#70
Phenanthrene
Concen: 16.05 ng
RT: 11.21 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.1	16.6	25.0	
179	16.0	12.9	19.3	



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





#71

Anthracene

Concen: 6.49 ng

RT: 11.26 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Instrument :

BNA_F

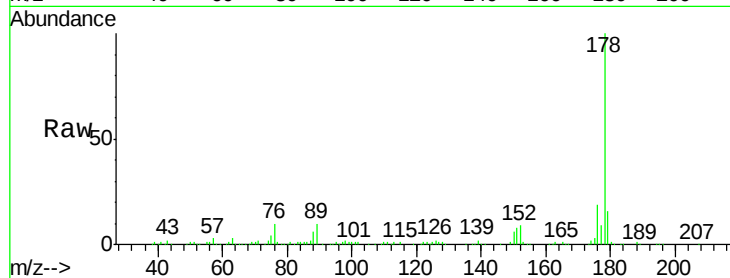
ClientSampleId :

RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.6	13.0	19.6

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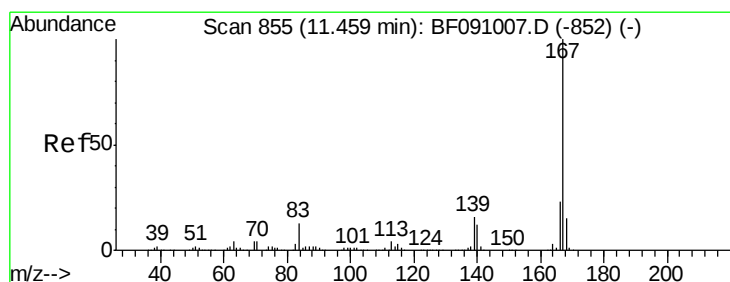
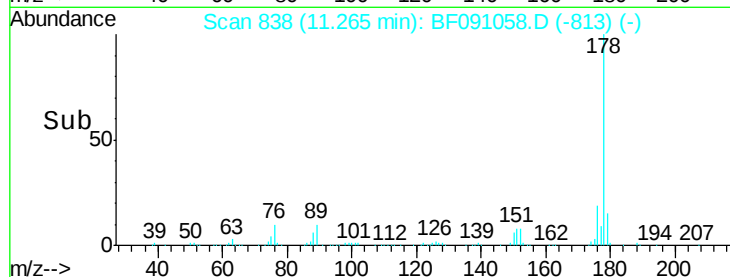
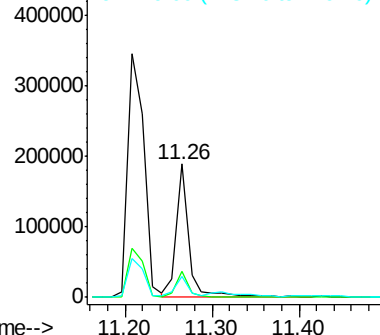
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.95 ng

RT: 11.43 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091058.D

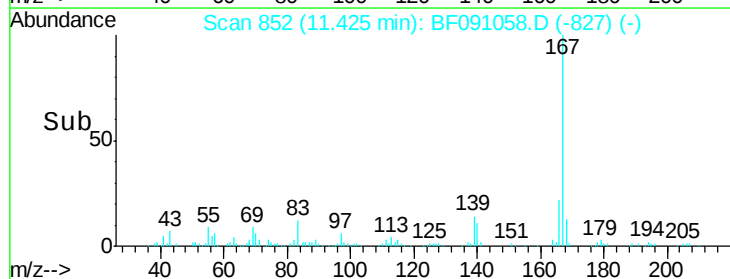
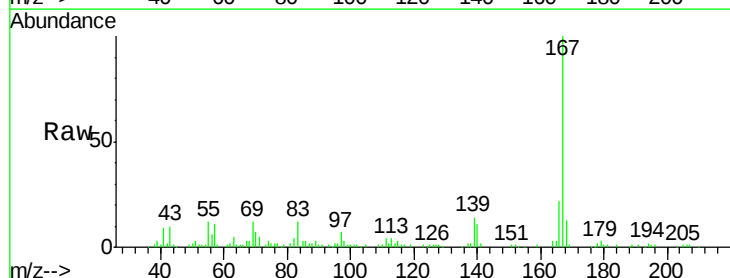
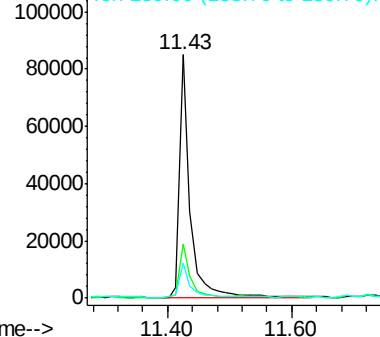
Acq: 7 Nov 2016 16:18

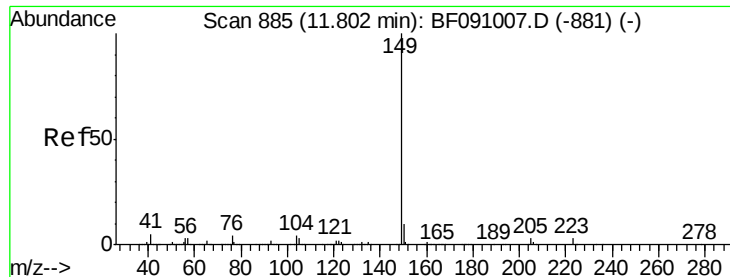
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.0	27.0
139	14.3	12.6	18.8

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.07 ng

RT: 11.76 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Instrument :

BNA_F

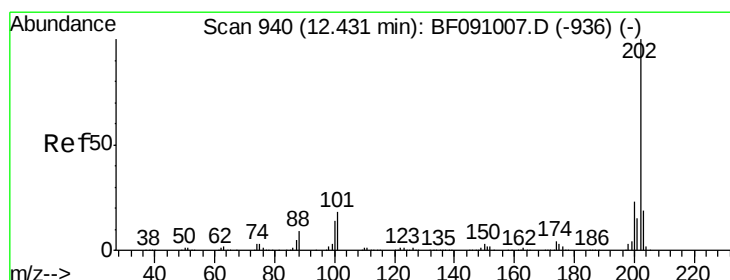
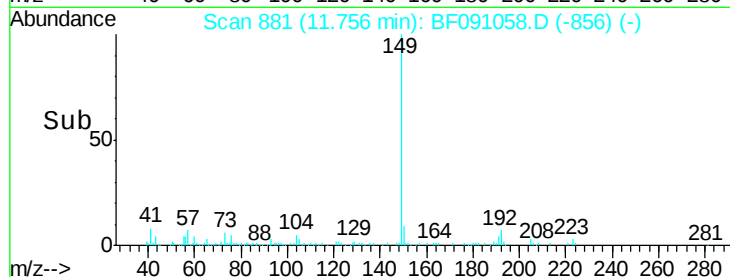
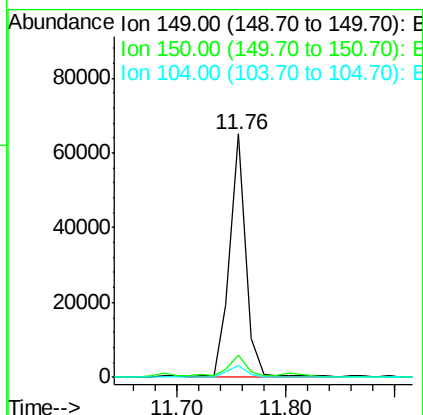
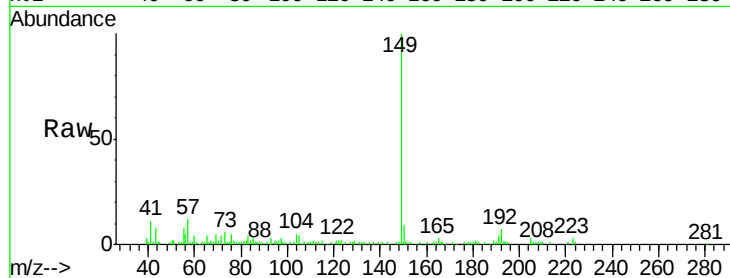
ClientSampleId :

RMAB-MW06-GW

Tot Ion:	149	Resp:	67852
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.7	11.5
104	5.1	3.6	5.4

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#74

Fluoranthene

Concen: 14.92 ng

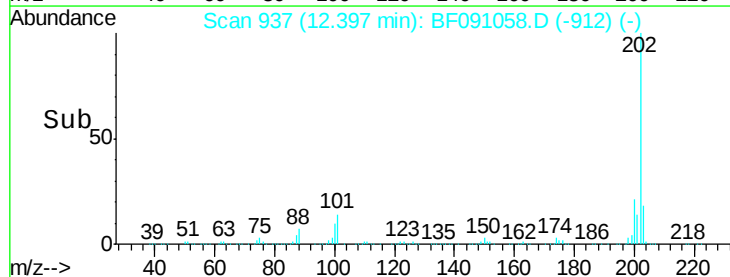
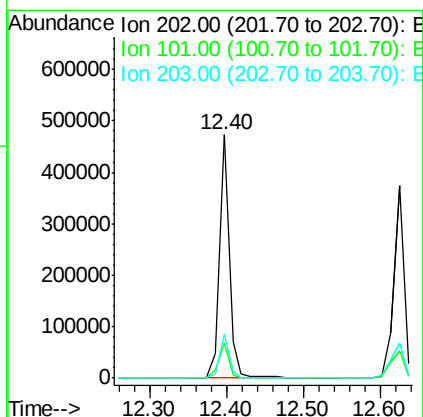
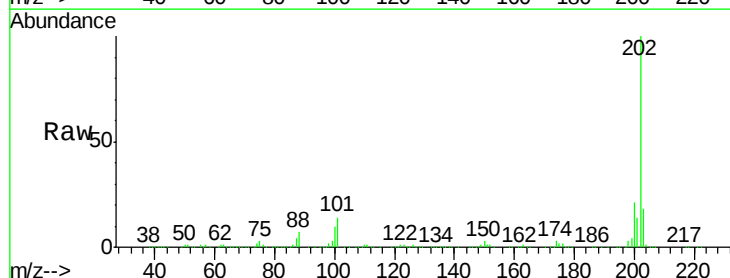
RT: 12.40 min Scan# 937

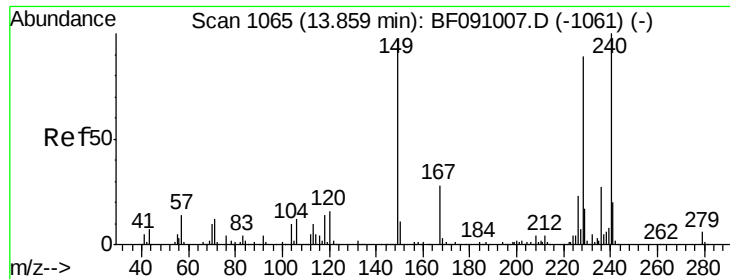
Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Tgt Ion:	202	Resp:	419975
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	37.6
203	17.8	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Instrument :

BNA_F

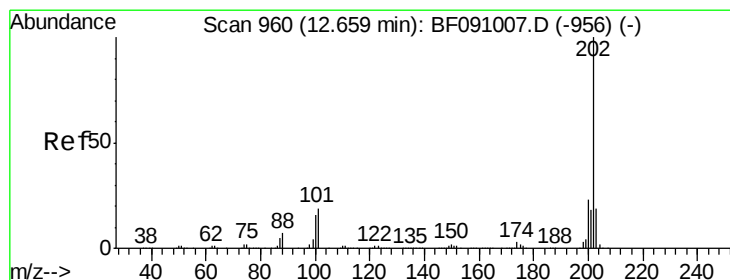
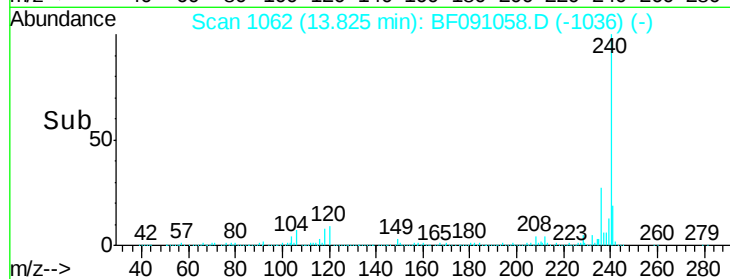
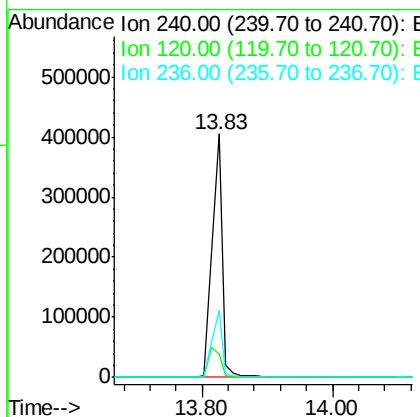
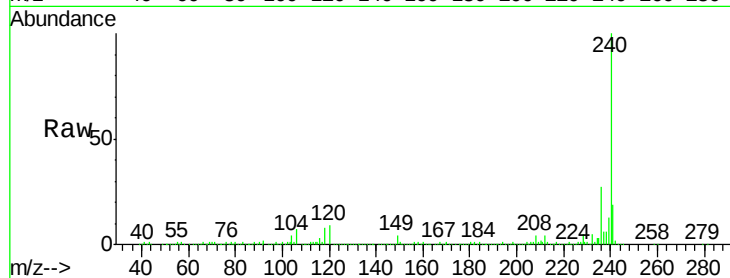
ClientSampleId :

RMAB-MW06-GW

Tot Ion:	240	Resp:	452177
Ion Ratio		Lower	Upper
240	100		
120	9.4	12.9	19.3#
236	27.3	21.9	32.9

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#77

Pyrene

Concen: 11.83 ng

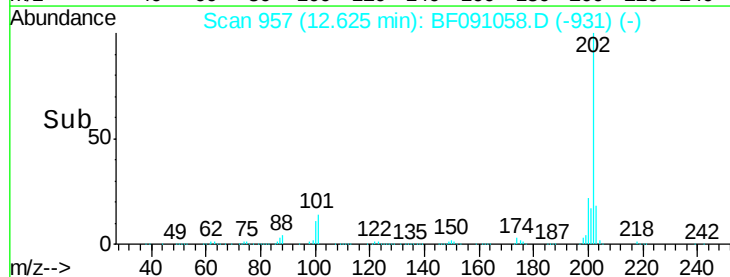
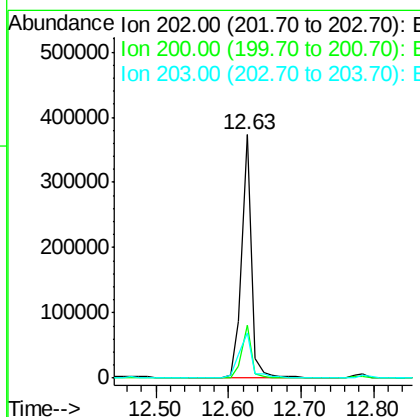
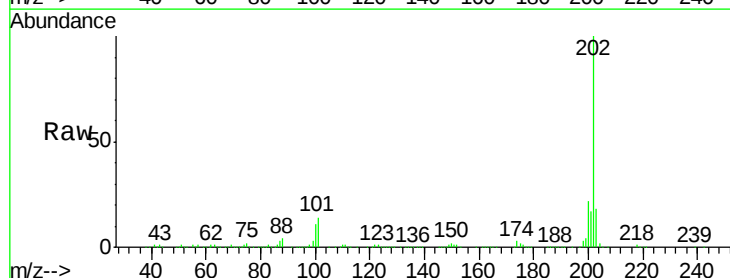
RT: 12.63 min Scan# 957

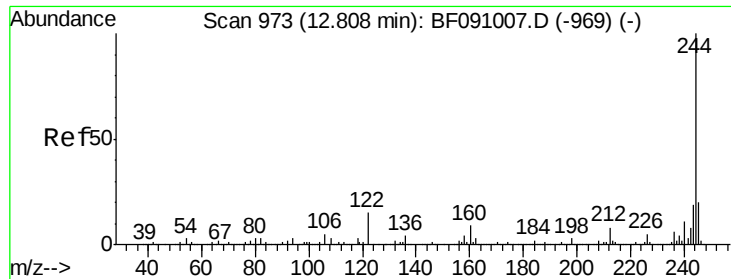
Delta R.T. 0.00 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Tgt Ion:	202	Resp:	350238
Ion Ratio		Lower	Upper
202	100		
200	21.8	18.4	27.6
203	18.4	15.0	22.6





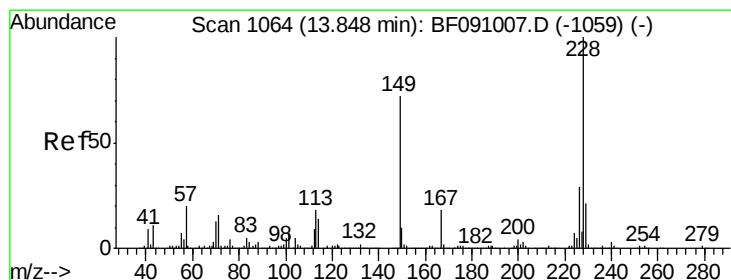
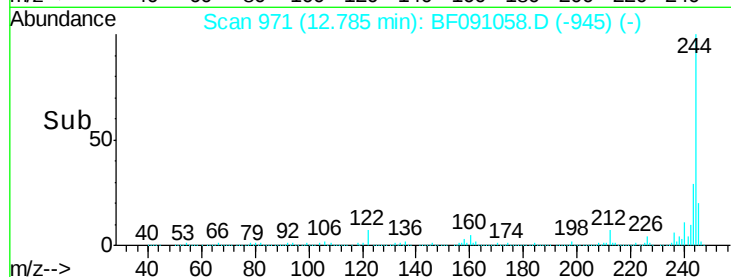
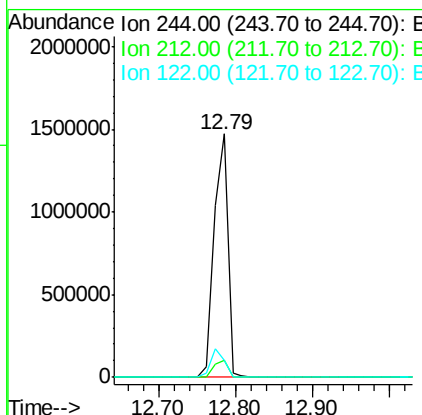
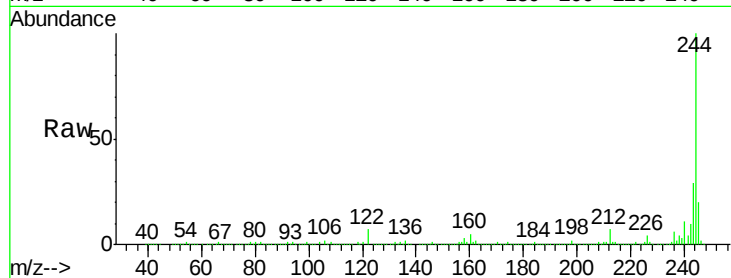
#78
 Terphenyl-d14
 Concen: 99.60 ng
 RT: 12.79 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF091058.D
 Acq: 7 Nov 2016 16:18

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.4	9.6
122	7.0	12.3	18.5

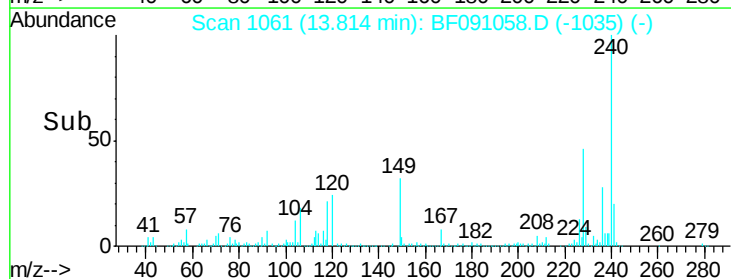
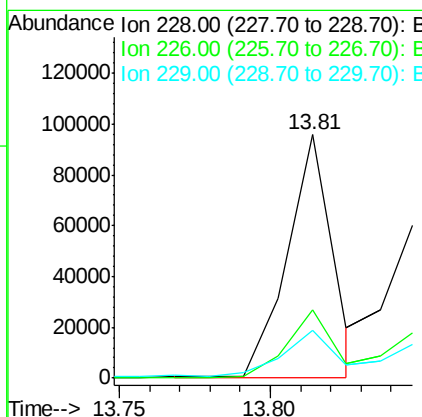
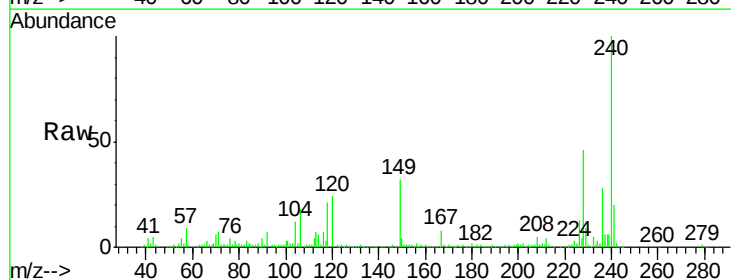
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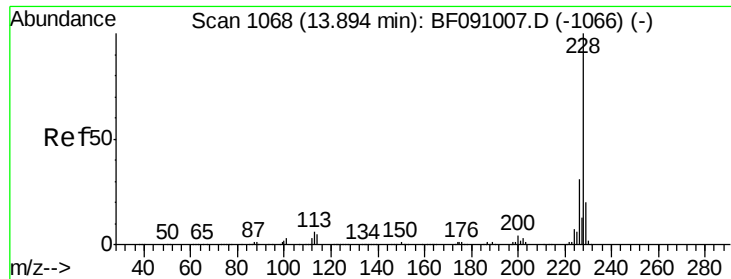
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#80
 Benzo(a)anthracene
 Concen: 3.96 ng m
 RT: 13.81 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF091058.D
 Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.0	34.6
229	19.7	16.6	24.8





#82

Chrvsene

Concen: 2.87 ng/mL

RT: 13.85 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Instrument :

BNA_F

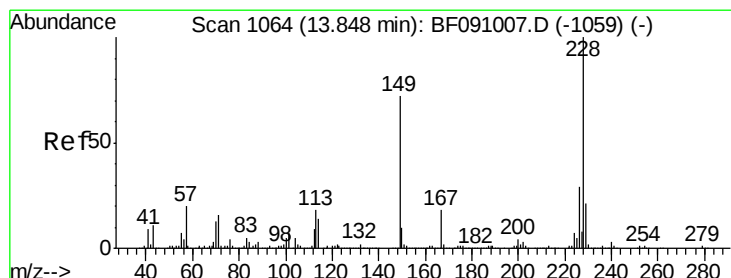
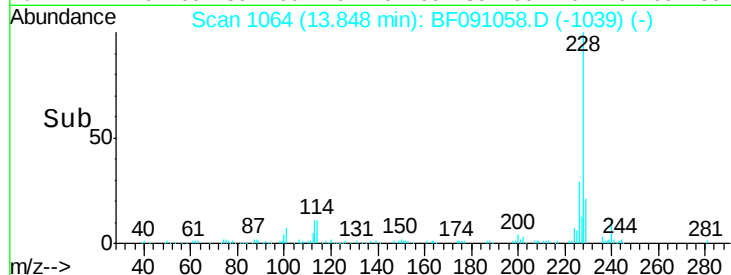
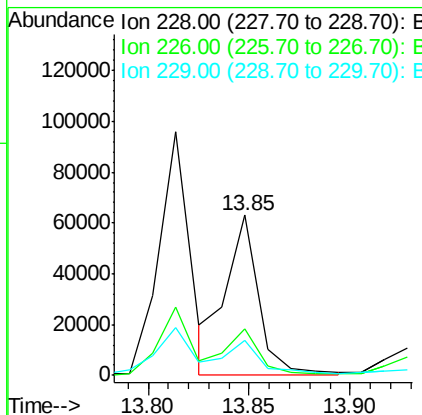
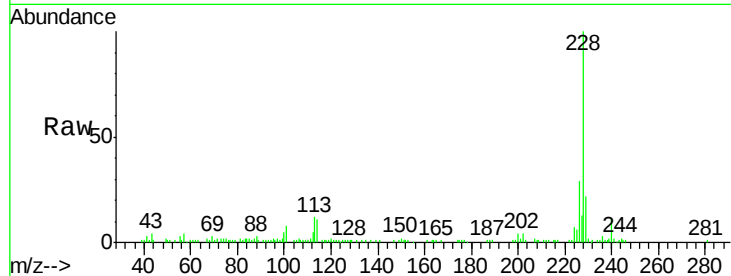
ClientSampleId :

RMAB-MW06-GW

Tot Ion:	228	Resp:	72548
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.9	37.3
229	21.6	15.9	23.9

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.09 ng/mL

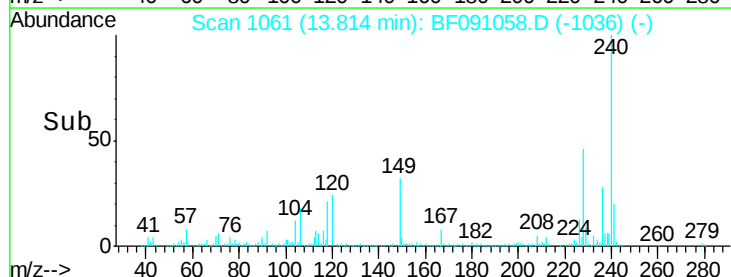
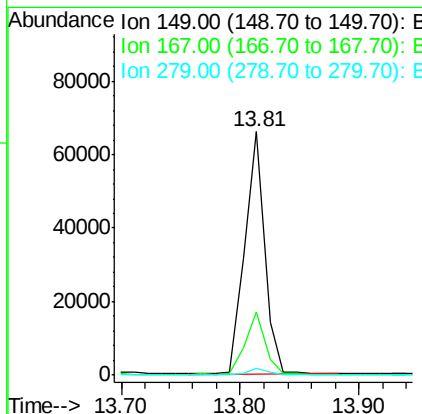
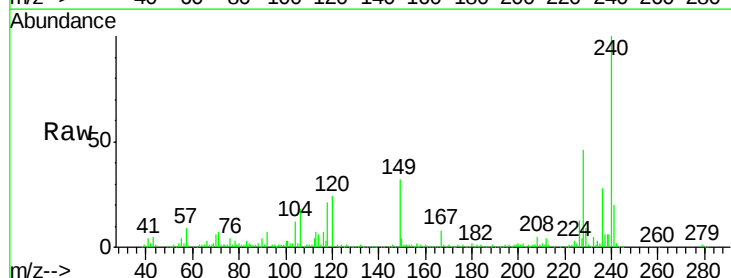
RT: 13.81 min Scan# 1061

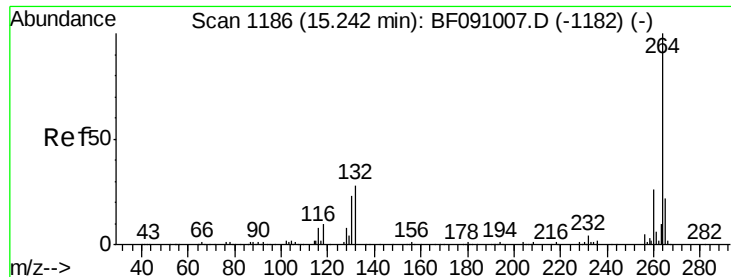
Delta R.T. -0.01 min

Lab File: BF091058.D

Acq: 7 Nov 2016 16:18

Tgt Ion:	149	Resp:	78331
Ion Ratio	Lower	Upper	
149	100		
167	26.0	20.4	30.6
279	3.0	1.6	2.4#





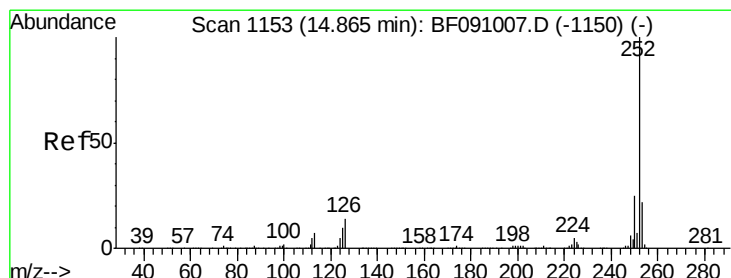
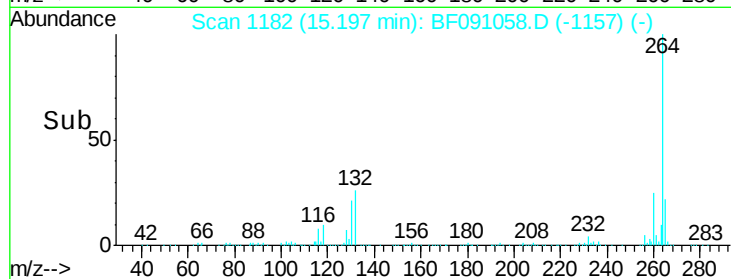
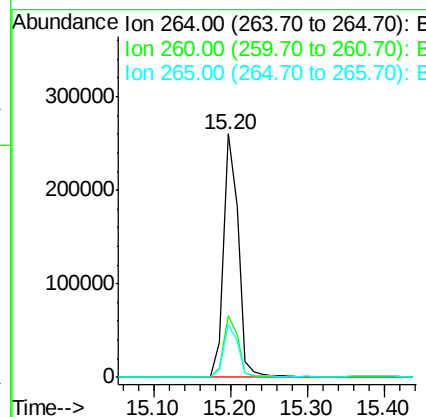
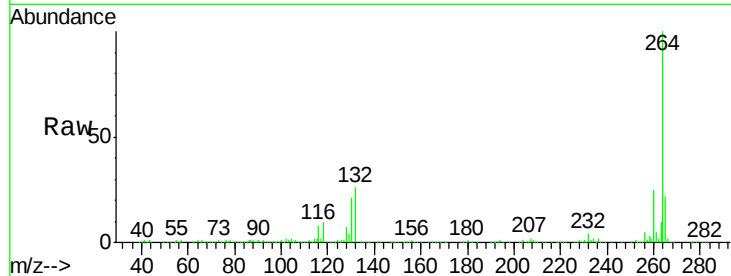
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.6	30.8
265	21.6	17.8	26.8

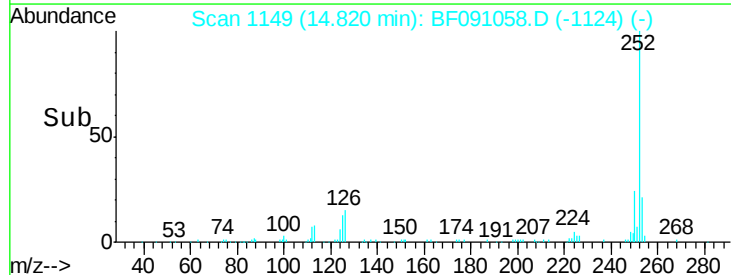
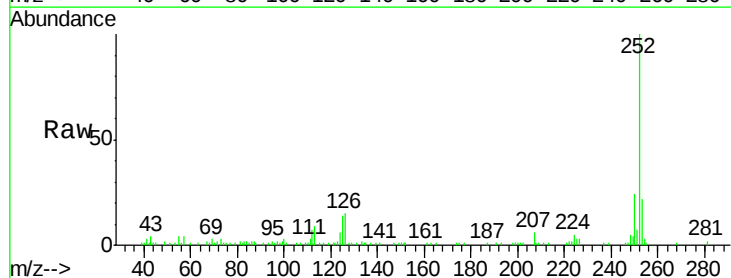
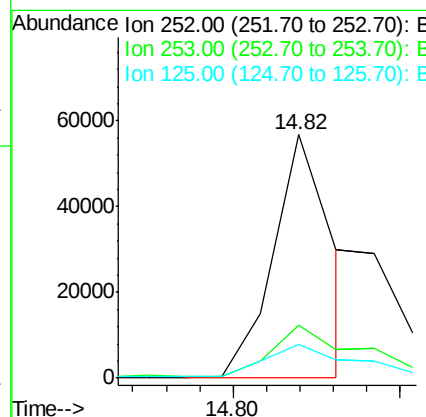
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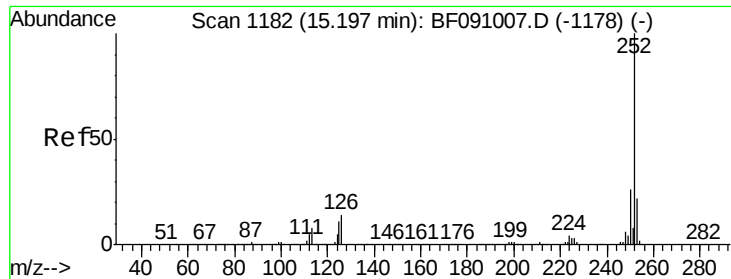
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#87
Benzo(b)fluoranthene
Concen: 2.92 ng m
RT: 14.82 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	13.9	8.3	12.5#





#89
Benzo(a)pyrene
Concen: 2.49 ng
RT: 15.14 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF091058.D
Acq: 7 Nov 2016 16:18

Instrument :
BNA_F
ClientSampleId :
RMAB-MW06-GW

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	17.8	26.8
125	18.3	8.6	13.0

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