

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101699.D
 Acq On : 23 Dec 2017 13:05
 Operator : SJ/JU
 Sample : I6846-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Manual Integrations
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Quant Time: Dec 25 03:03:02 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	150242	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	389744	20.00	ng	0.01
38) Acenaphthene-d10	9.82	164	248712	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	395824	20.00	ng	0.00
75) Chrysene-d12	13.97	240	231266	20.00	ng	0.00
86) Perylene-d12	15.44	264	271237	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1392080	138.02	ng	0.02
7) Phenol-d6	6.48	99	1043271	83.11	ng	0.05
23) Nitrobenzene-d5	7.38	82	1207934	172.53	ng	0.02
41) 2,4,6-Tribromophenol	10.62	330	358899	149.76	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1777665	110.87	ng	0.00
78) Terphenyl-d14	12.90	244	1295890	135.09	ng	0.00
Target Compounds						
3) Pyridine	3.61	79	39278m	2.728	ng	Qvalue
10) Phenol	6.51	94	7024520	490.981	ng	94
17) 2-Methylphenol	7.07	107	1863071	190.894	ng	98
20) 3+4-Methylphenols	7.26	107	4918384	475.565	ng	88
27) 2,4-Dimethylphenol	7.75	122	1567261	277.115	ng	99
31) Naphthalene	8.11	128	8495190	432.961	ng	98
37) 2-Methylnaphthalene	8.79	142	941469	73.647	ng	99
45) 1,1'-Biphenyl	9.25	154	200425	9.087	ng	98
48) Acenaphthylene	9.69	152	875002	32.825	ng	99
51) Acenaphthene	9.86	154	70811	4.421	ng	92
54) Dibenzofuran	10.03	168	490725	24.111	ng	99
57) Fluorene	10.37	166	435963	25.321	ng	99
70) Phenanthrene	11.34	178	474719	21.566	ng	99
71) Anthracene	11.39	178	111074m	4.940	ng	
72) Carbazole	11.56	167	882645	41.927	ng	100
74) Fluoranthene	12.53	202	56155	2.430	ng	87
77) Pyrene	12.77	202	35427	2.041	ng	# 54

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

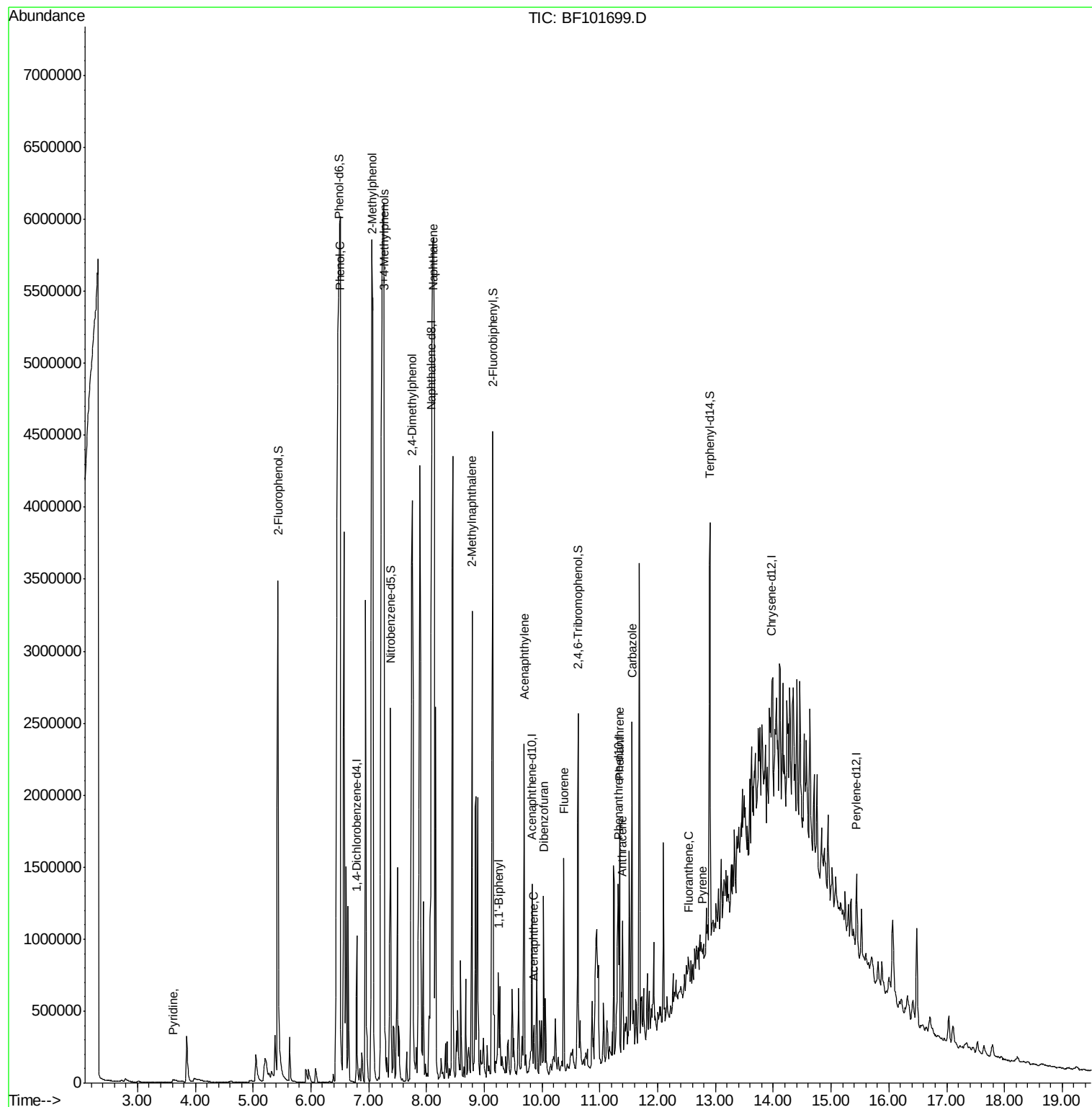
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101699.D
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Operator : SJ/JU
Sample : I6846-03
Misc :
ALS Vial : 49 Sample Multiplier: 1

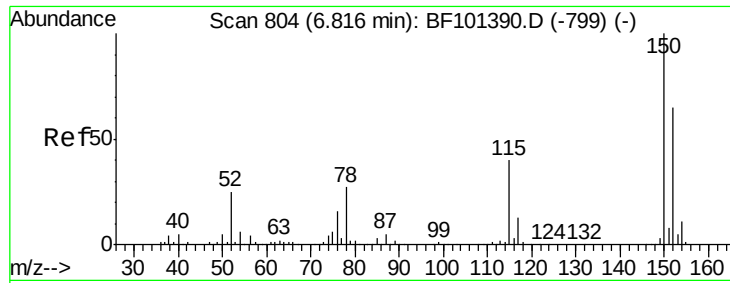
Instrument :
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Quant Time: Dec 25 03:03:02 2017
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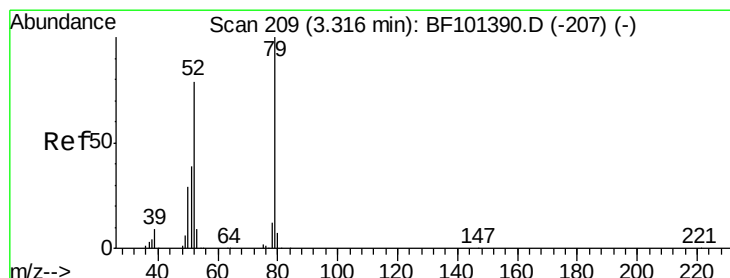
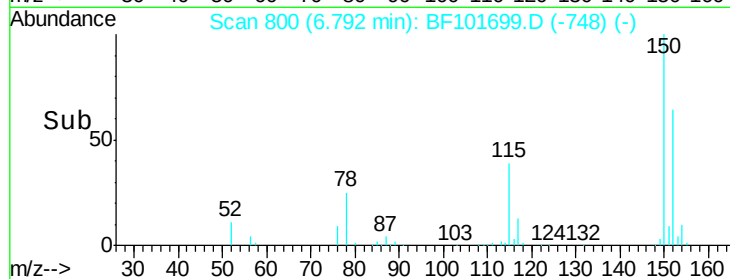
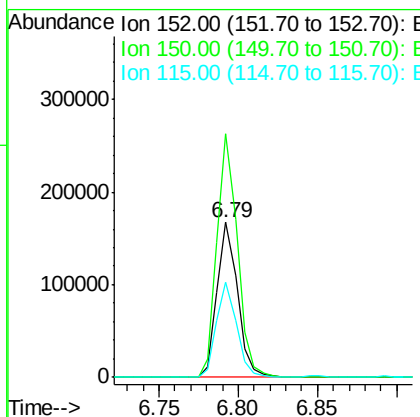
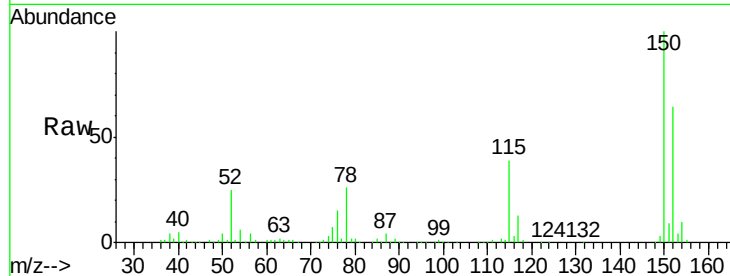
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	61.4	50.1	75.1

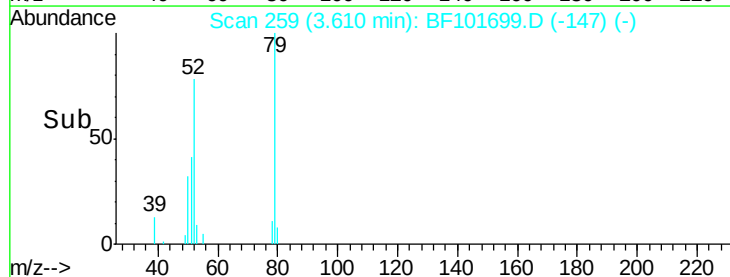
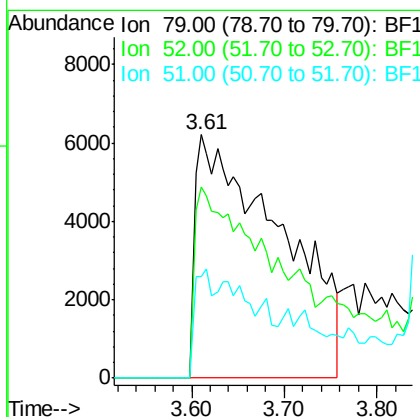
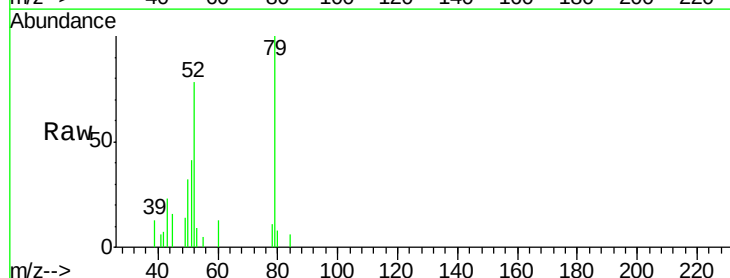
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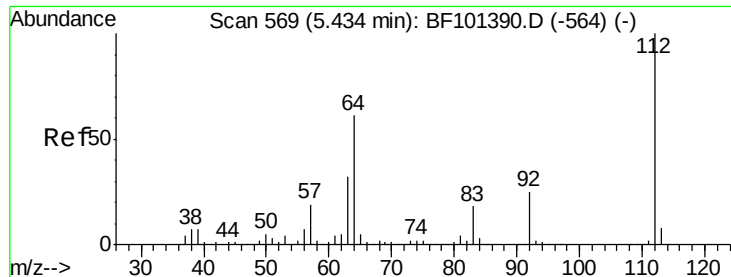
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#3
 Pyridine
 Concen: 2.728 ng m
 RT: 3.61 min Scan# 259
 Delta R.T. 0.36 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.3	59.8	89.6
51	41.4	29.8	44.8





#5

2-Fluorophenol

Concen: 138.018 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01

Tgt Ion: 112 Resp: 1392080

Ion Ratio Lower Upper

112 100

64 60.4 47.9 71.9

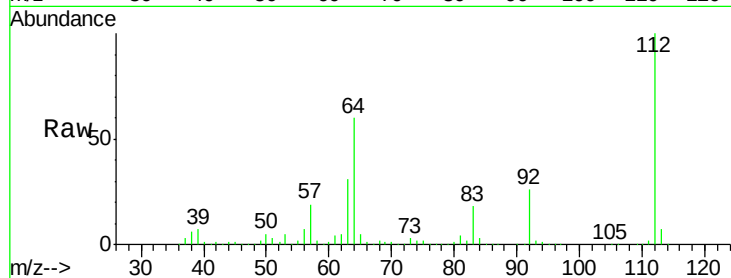
63 31.3 23.7 35.5

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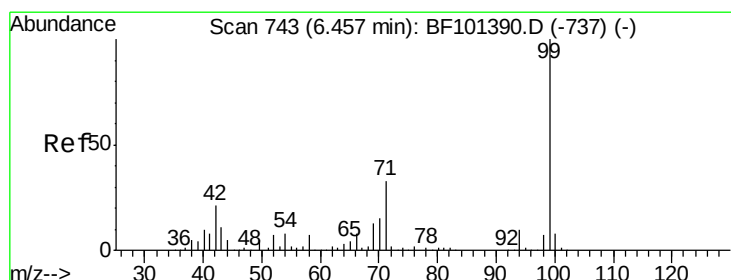
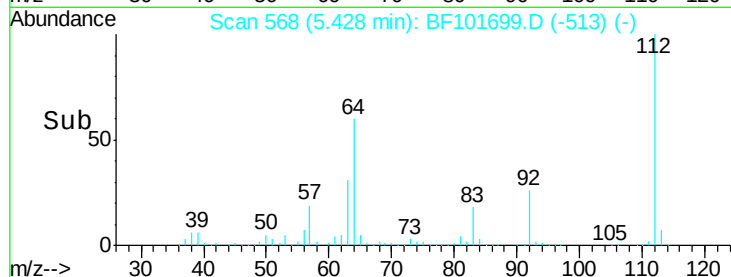
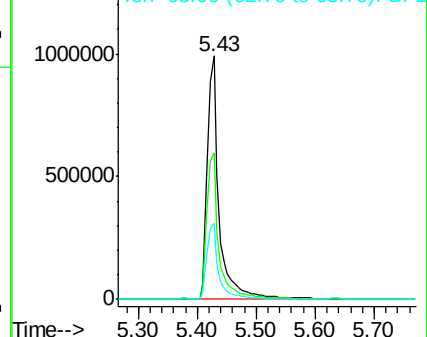
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 83.111 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.05 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

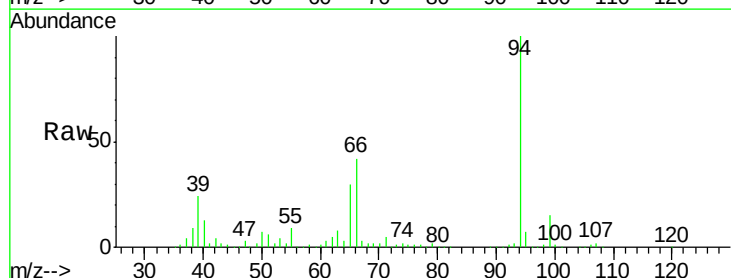
Tgt Ion: 99 Resp: 1043271

Ion Ratio Lower Upper

99 100

42 26.8 14.5 21.7#

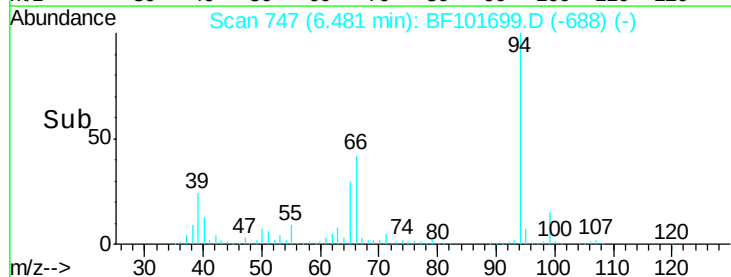
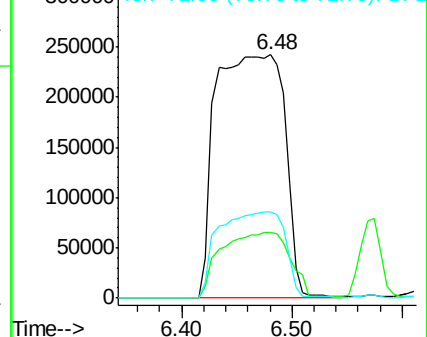
71 35.6 25.4 38.0

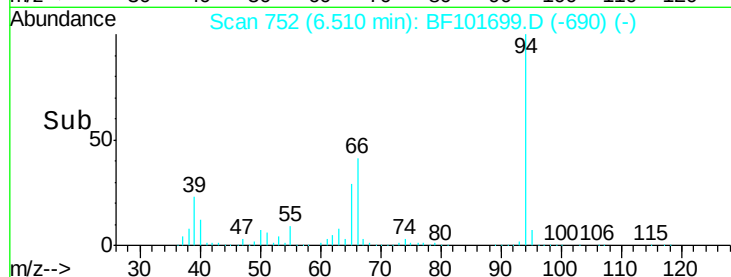
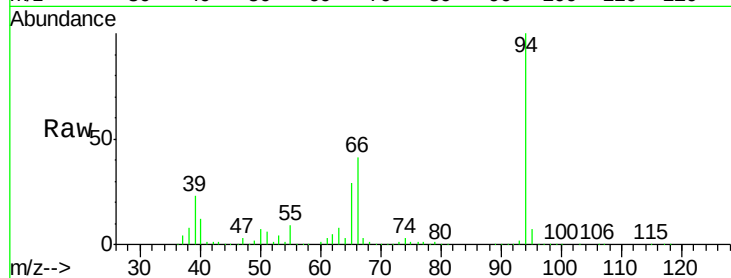
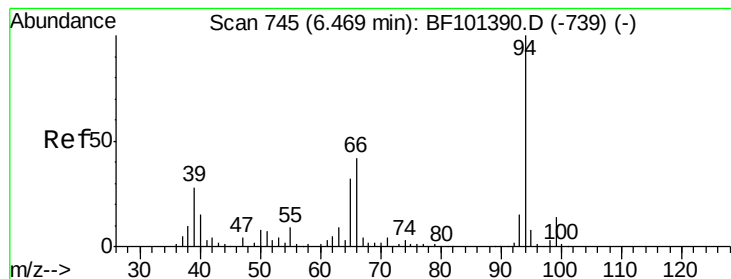


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 490.981 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.06 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Tgt Ion: 94 Resp: 7024520

Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

66 41.1 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

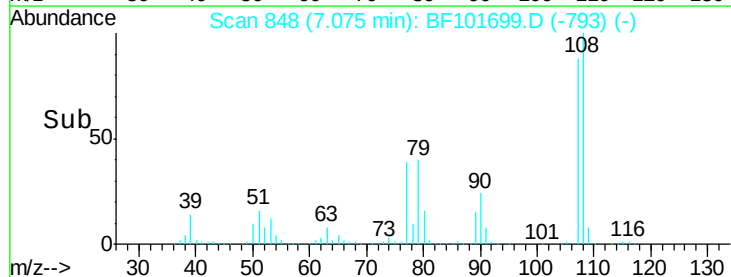
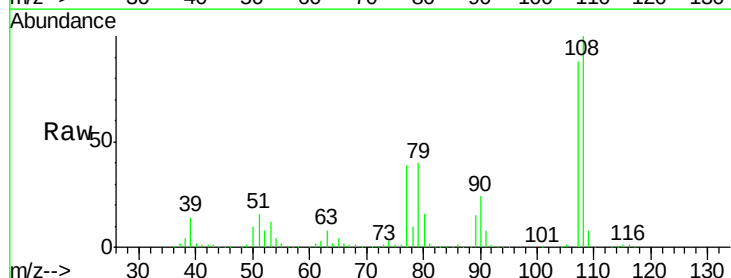
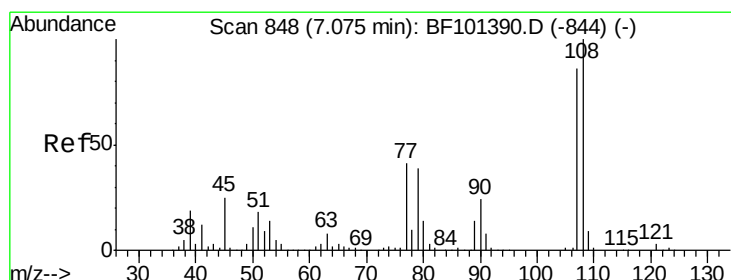
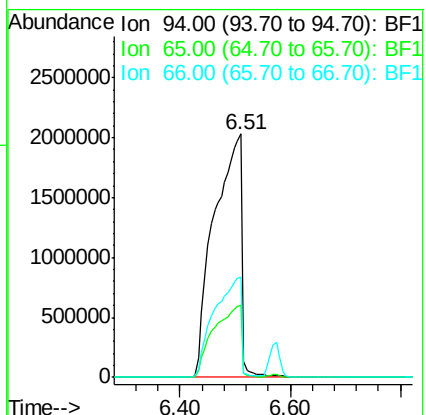
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#17

2-Methylphenol

Concen: 190.894 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.02 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Tgt Ion: 107 Resp: 1863071

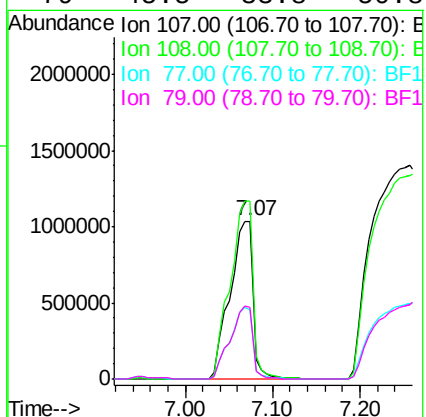
Ion Ratio Lower Upper

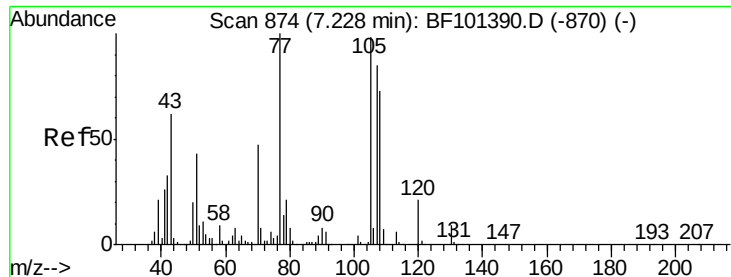
107 100

108 113.4 91.7 137.5

77 44.2 33.8 50.8

79 45.5 33.8 50.8





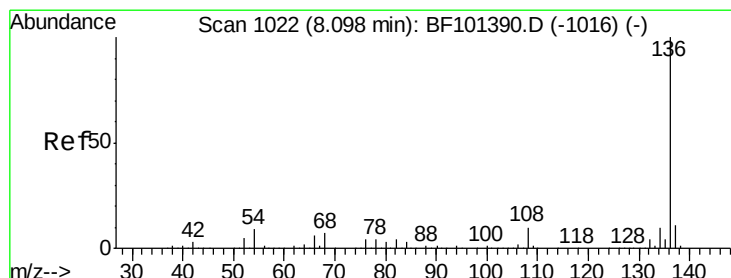
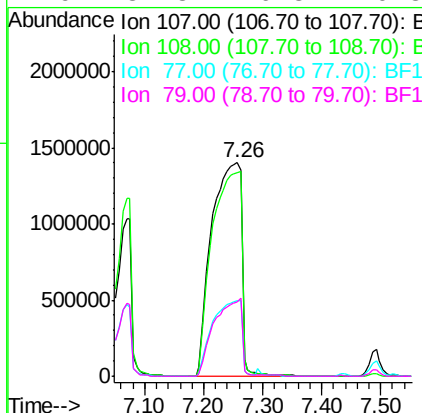
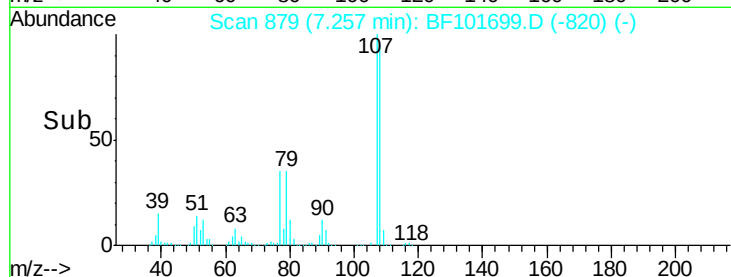
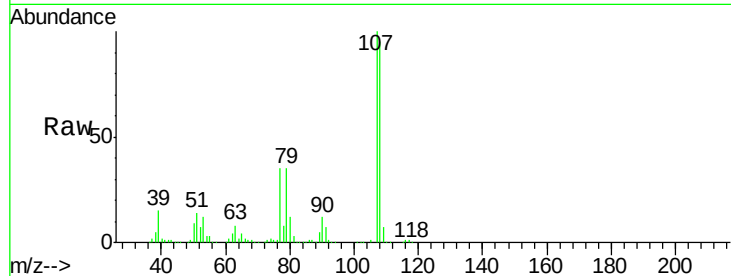
#20
3+4-Methylphenols
Concen: 475.565 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.05 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01

Tgt Ion:107 Resp: 4918384
Ion Ratio Lower Upper
107 100
108 95.4 68.2 108.2
77 35.4 26.7 66.7
79 34.8 6.3 46.3

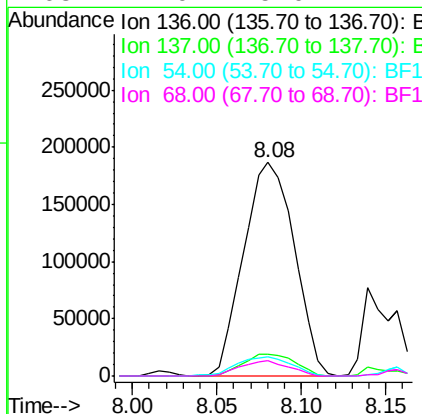
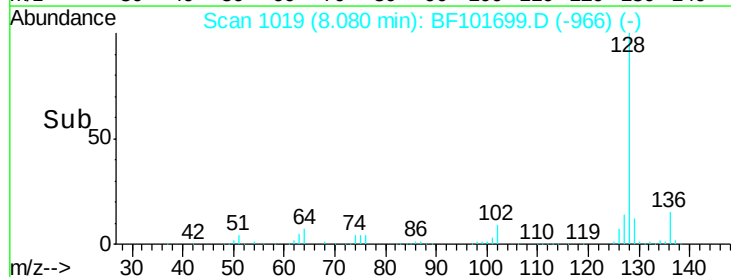
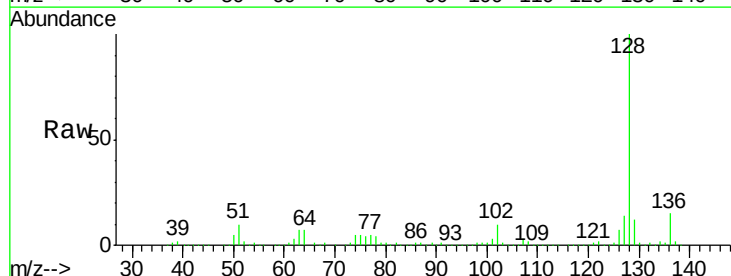
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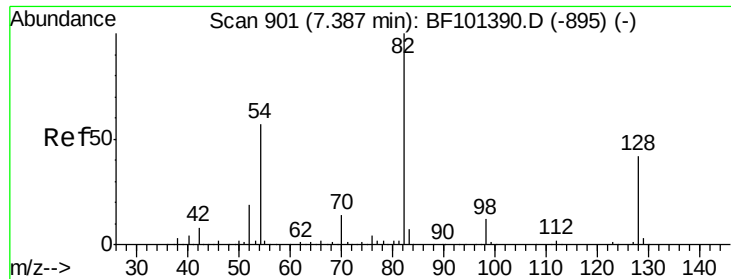
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Tgt Ion:136 Resp: 389744
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.2 6.6 9.8
68 7.0 5.0 7.4





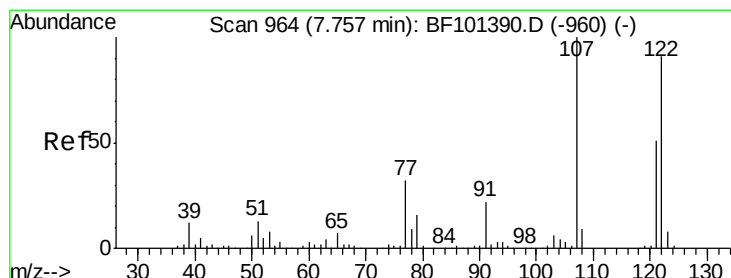
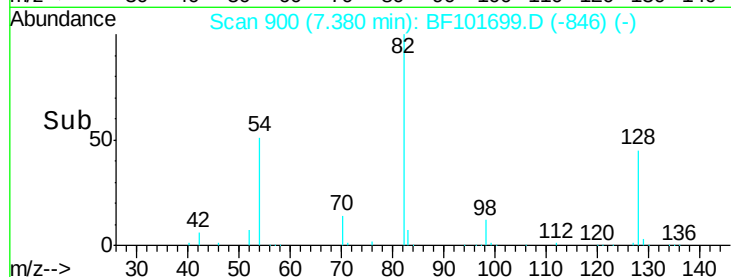
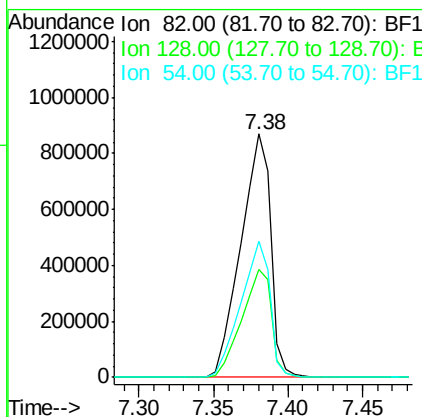
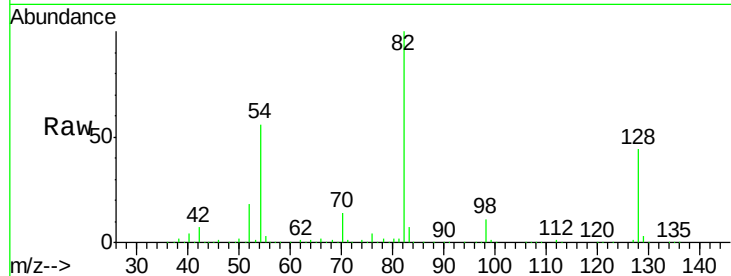
#23
 Nitrobenzene-d5
 Concen: 172.525 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Tgt Ion: 82 Resp: 1207934
 Ion Ratio Lower Upper
 82 100
 128 44.4 36.1 54.1
 54 55.8 41.4 62.2

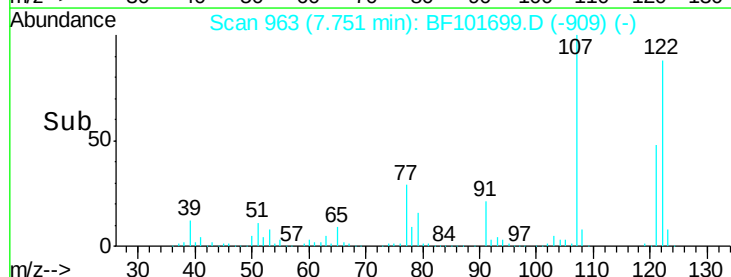
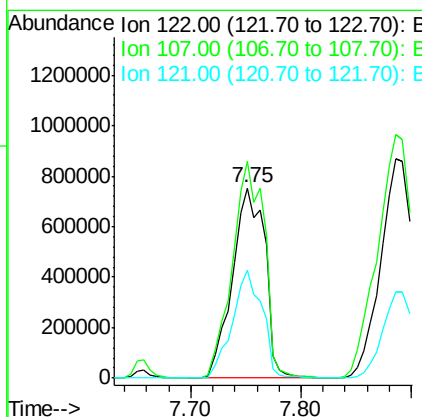
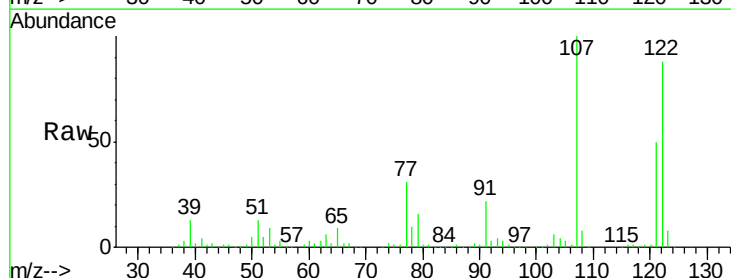
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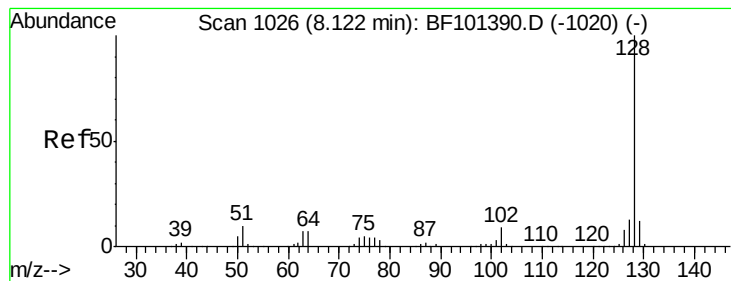
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#27
 2,4-Dimethylphenol
 Concen: 277.115 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Tgt Ion: 122 Resp: 1567261
 Ion Ratio Lower Upper
 122 100
 107 114.0 91.2 136.8
 121 56.5 47.2 70.8





#31

Naphthalene

Concen: 432.961 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.02 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Instrument :

BNA_F

ClientSampleId :

WC-34972326-01

Tgt Ion:128 Resp: 8495190

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

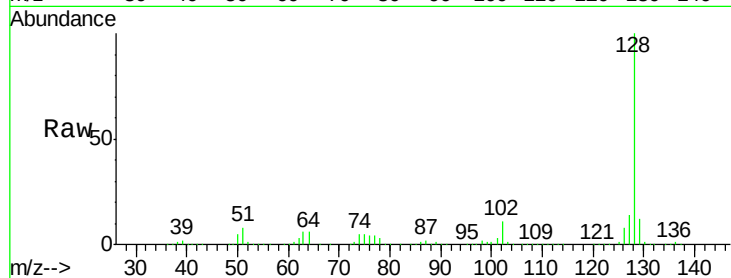
127 14.4 10.9 16.3

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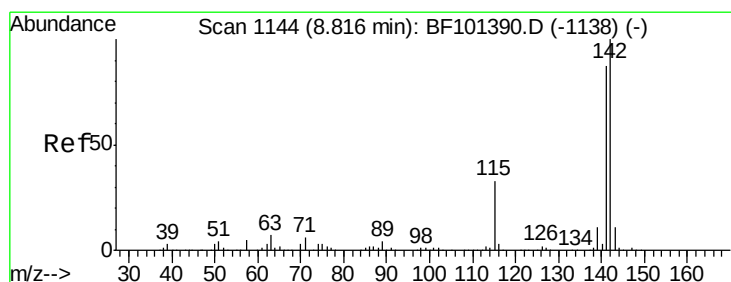
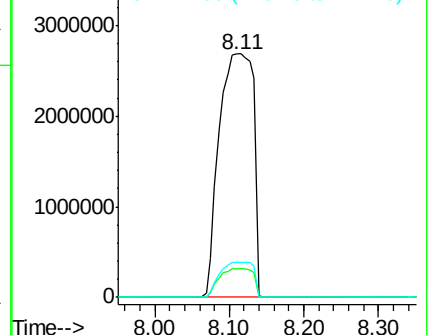
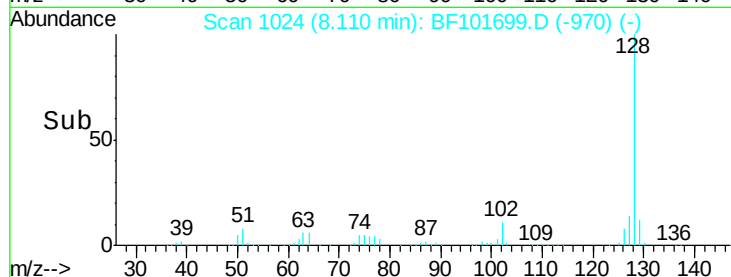
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 73.647 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

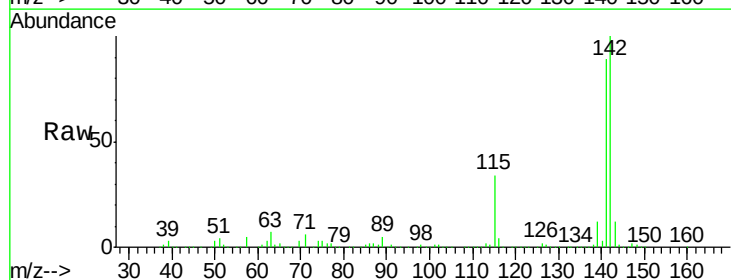
Tgt Ion:142 Resp: 941469

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2

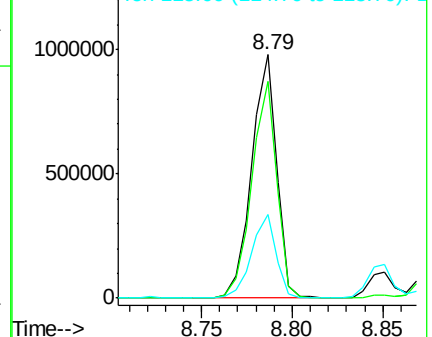
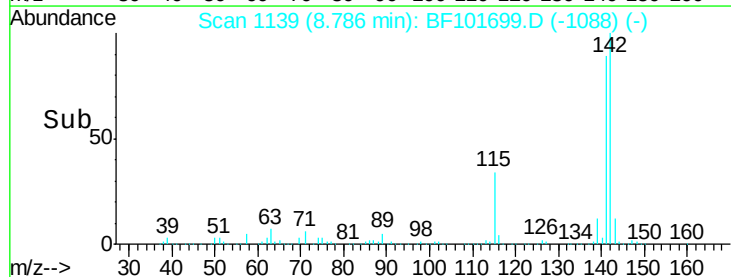
115 34.1 26.1 39.1

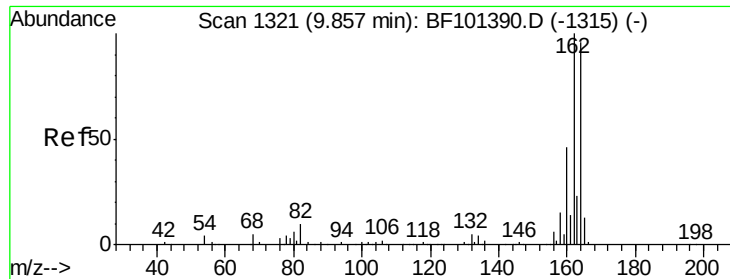


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





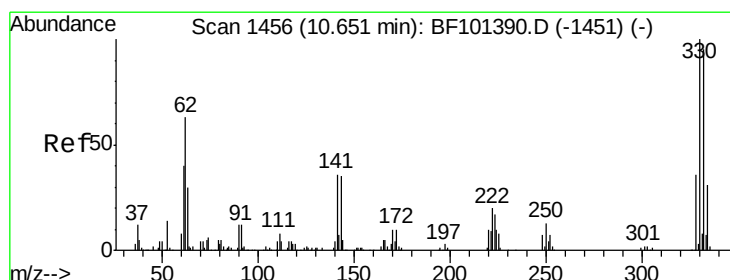
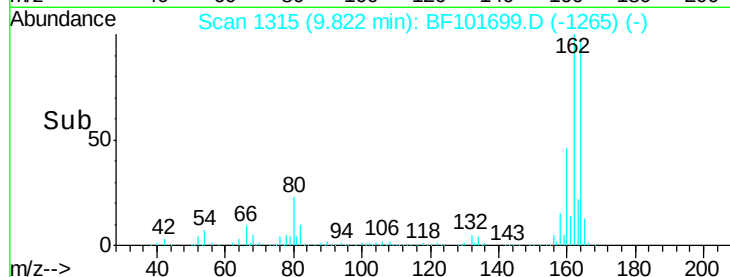
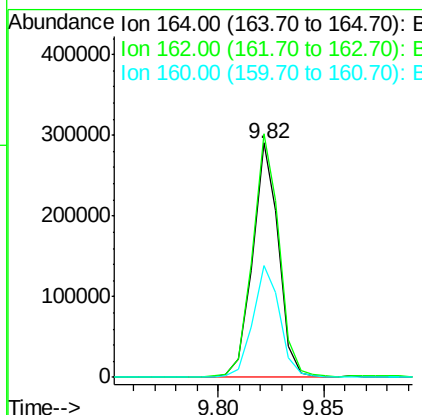
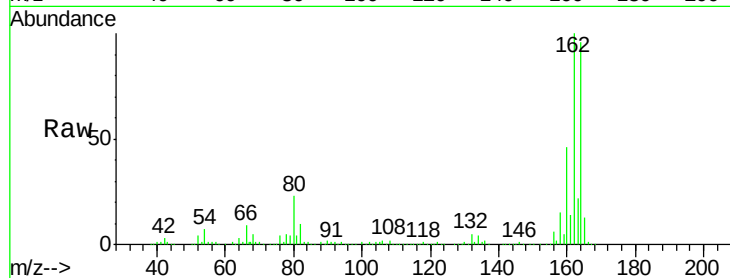
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248712		
162	104.0	86.1	129.1	
160	47.9	38.3	57.5	

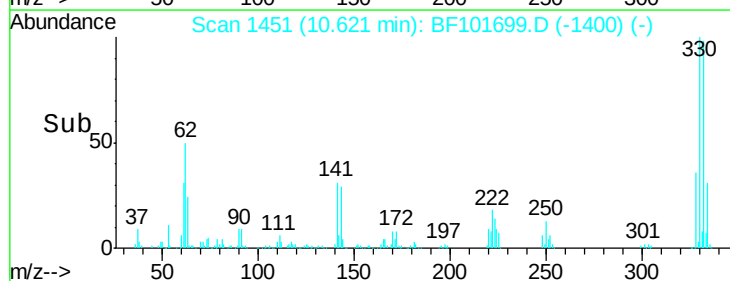
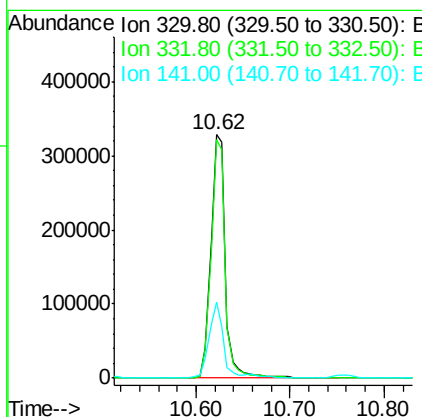
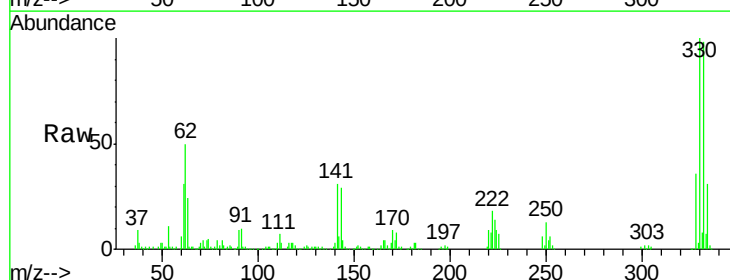
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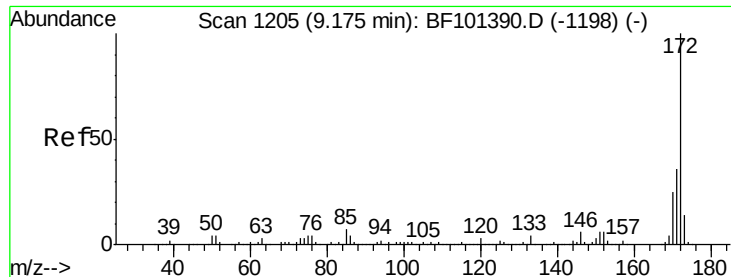
Sohil
 12/26/2017 1:38:08 PM



#41
 2,4,6-Tribromophenol
 Concen: 149.757 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	358899		
332	95.7	77.0	115.6	
141	31.3	29.9	44.9	





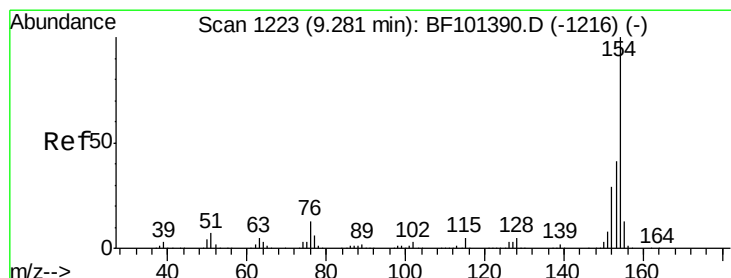
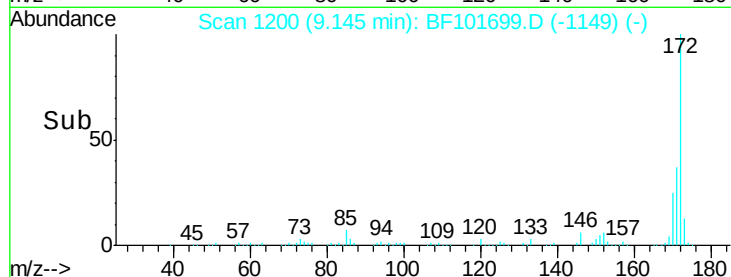
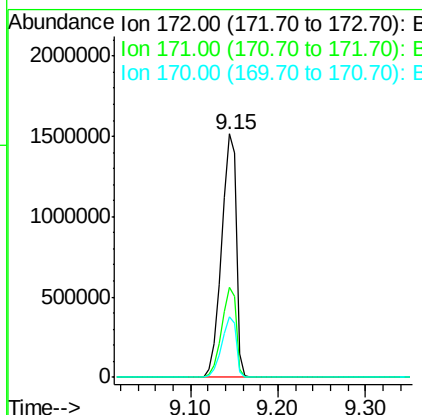
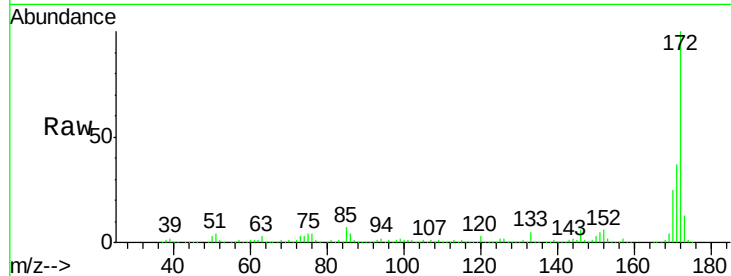
#44
 2-Fluorobiphenyl
 Concen: 110.875 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Tgt Ion:172 Resp: 1777665
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.9 19.6 29.4

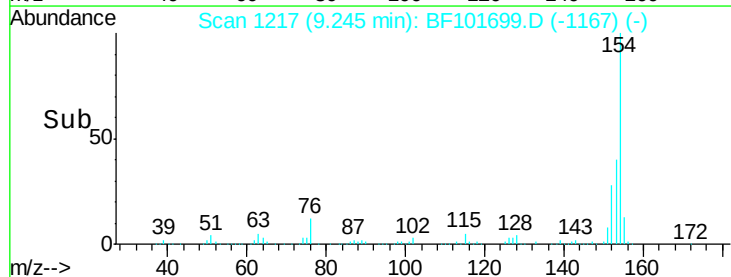
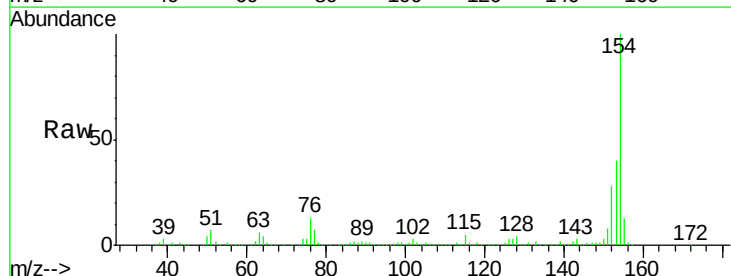
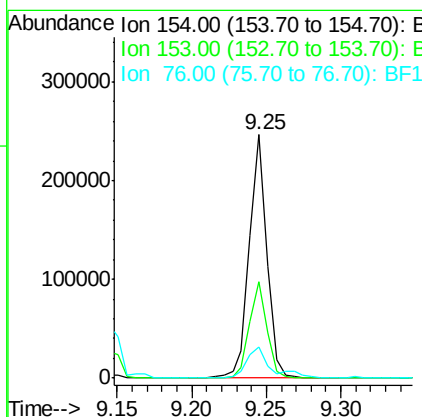
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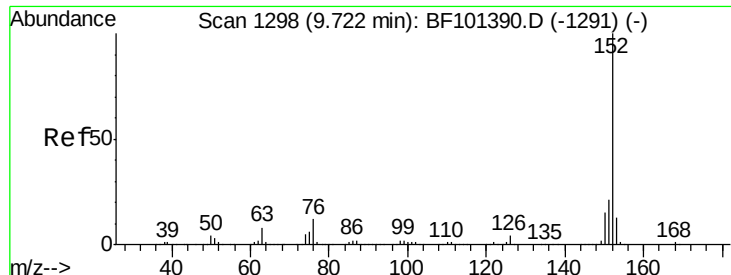
Sohil
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#45
 1,1'-Biphenyl
 Concen: 9.087 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Tgt Ion:154 Resp: 200425
 Ion Ratio Lower Upper
 154 100
 153 39.8 21.3 61.3
 76 13.0 0.0 34.0





#48

Acenaphthylene

Concen: 32.825 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Instrument :

BNA_F

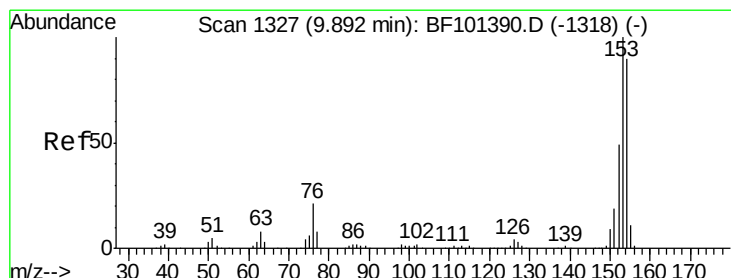
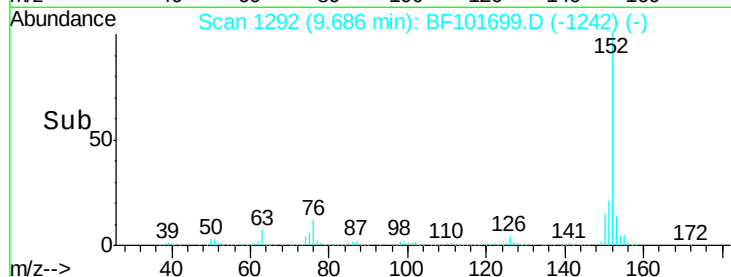
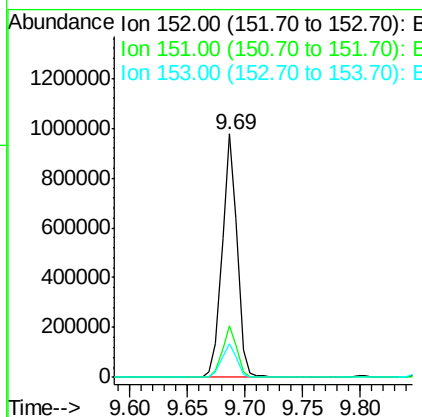
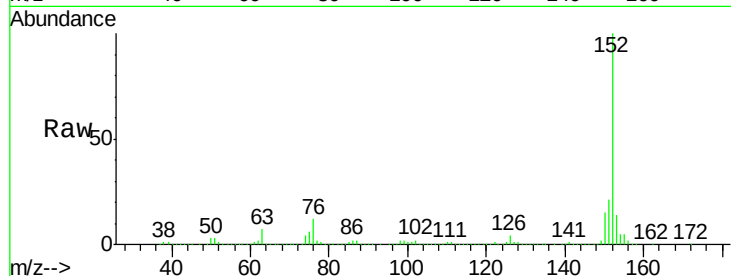
ClientSampleId :

WC-34972326-01

Tgt Ion:	152	Resp:	875002
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	14.0	10.7	16.1

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#51

Acenaphthene

Concen: 4.421 ng

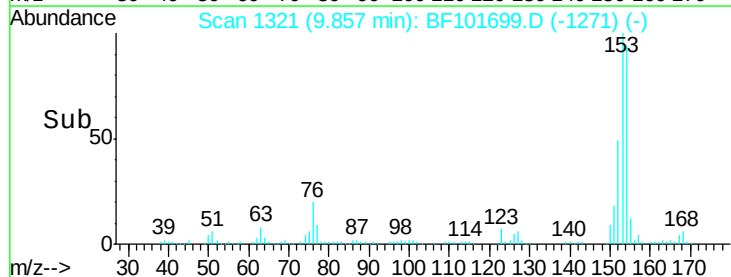
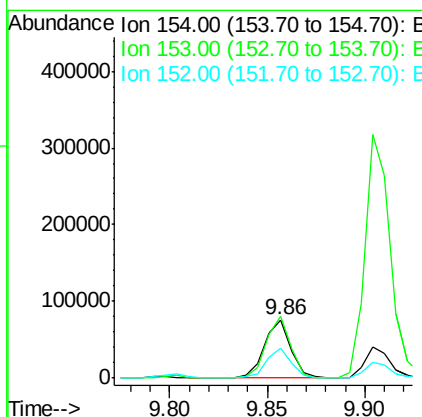
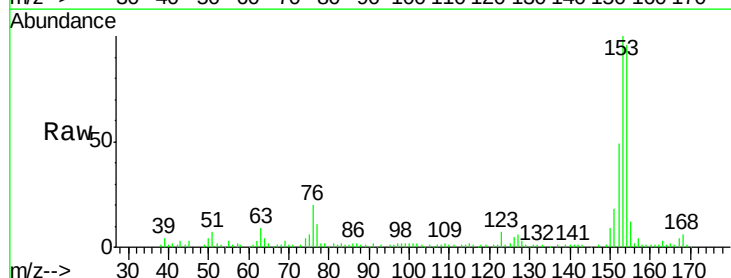
RT: 9.86 min Scan# 1321

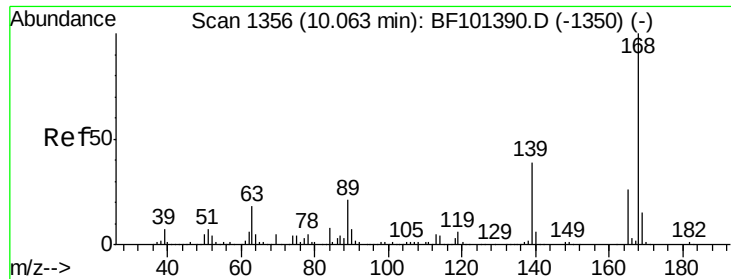
Delta R.T. -0.01 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Tgt Ion:	154	Resp:	70811
Ion Ratio	Lower	Upper	
154	100		
153	104.6	91.2	136.8
152	51.1	43.8	65.8





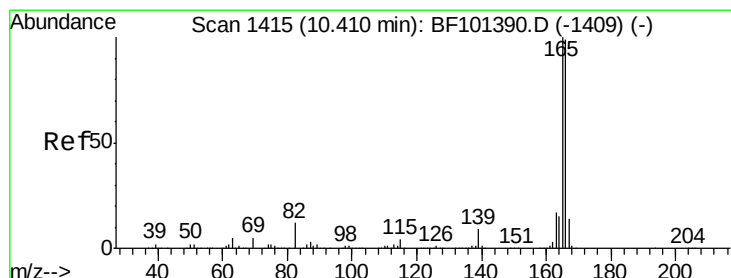
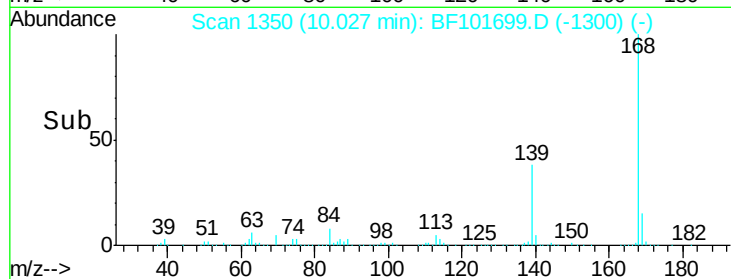
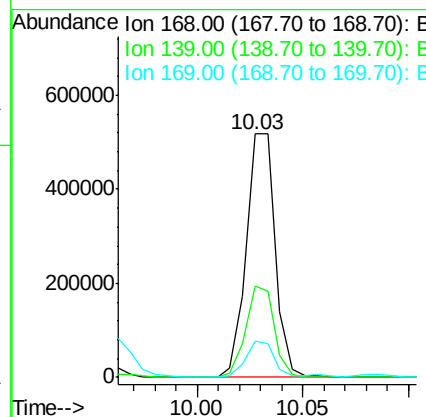
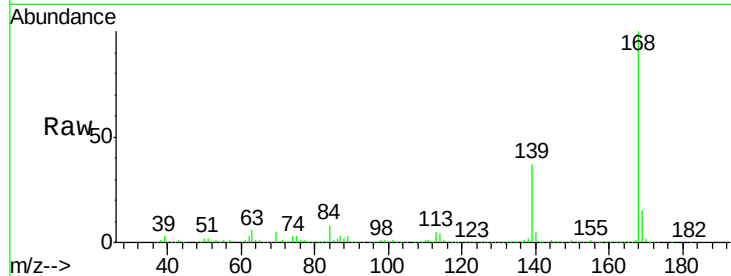
#54
Dibenzenofuran
Concen: 24.111 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	490725		
139	37.5		30.1	45.1
169	14.6		10.9	16.3

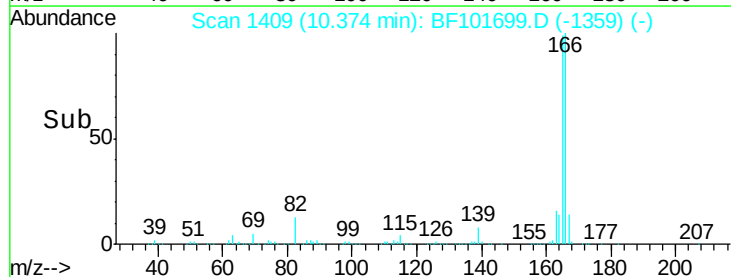
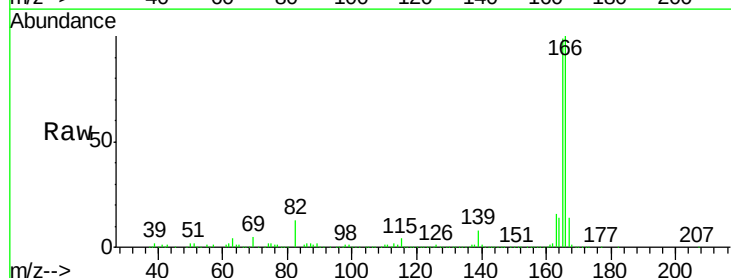
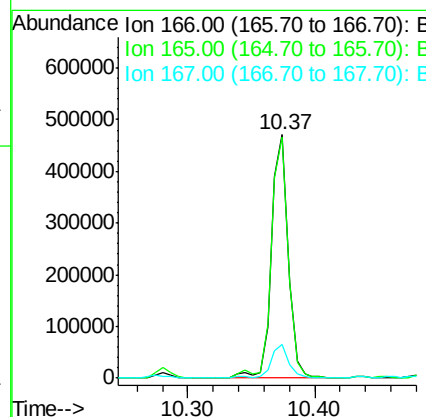
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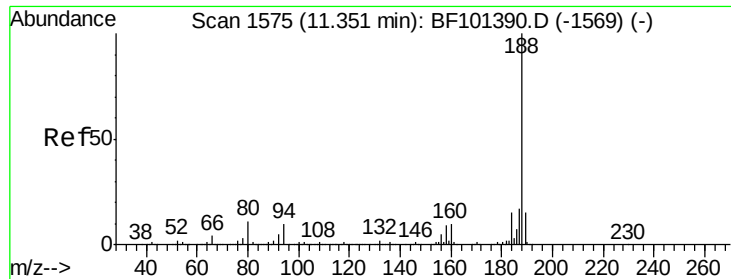
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#57
Fluorene
Concen: 25.321 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	435963		
165	99.3		79.8	119.8
167	13.7		10.6	16.0





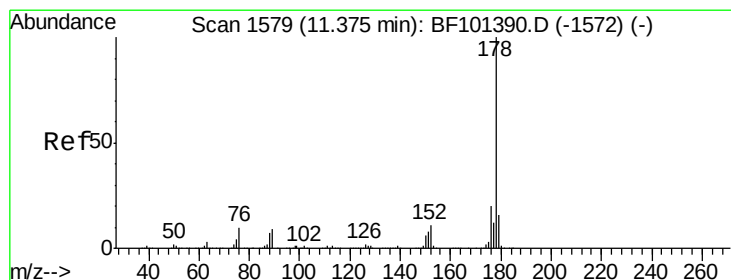
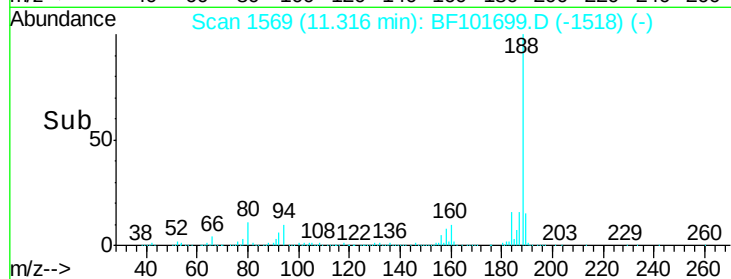
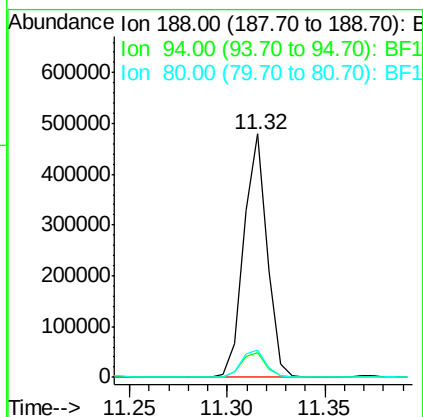
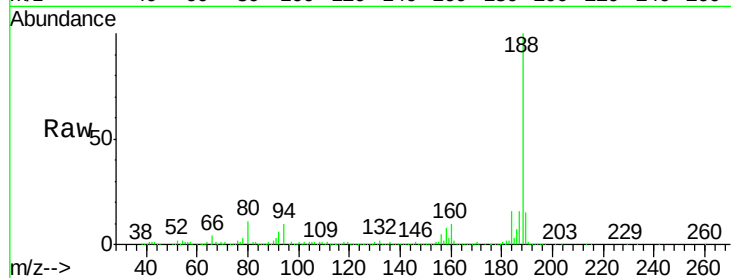
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	395824		
94	10.0		8.5	12.7
80	11.1		9.2	13.8

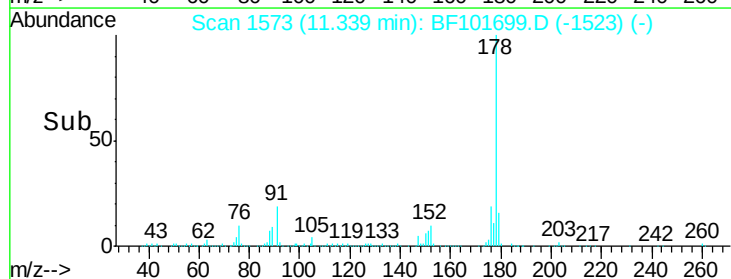
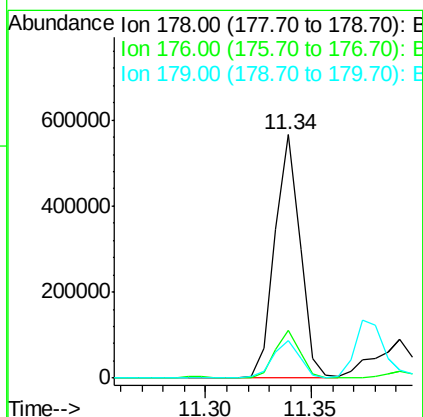
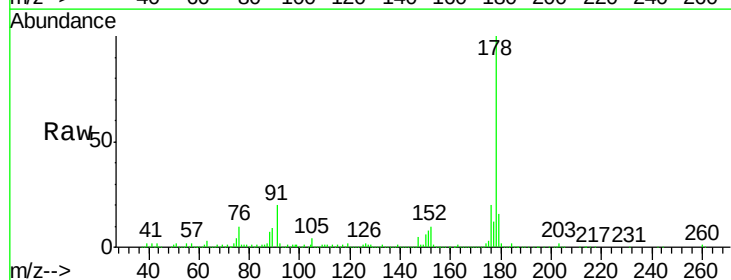
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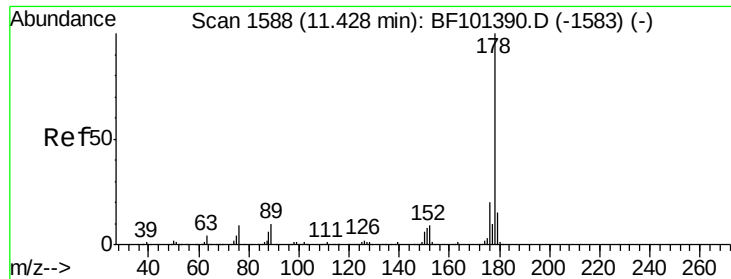
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#70
Phenanthrene
Concen: 21.566 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	474719		
176	19.5		15.8	23.8
179	15.6		13.0	19.6





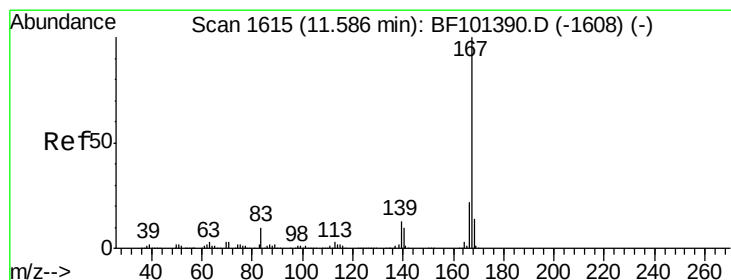
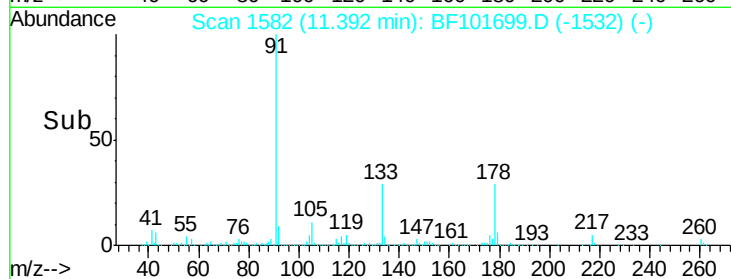
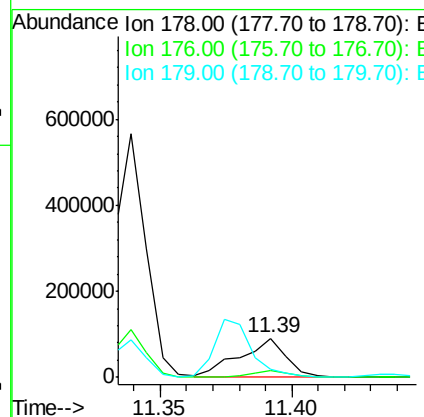
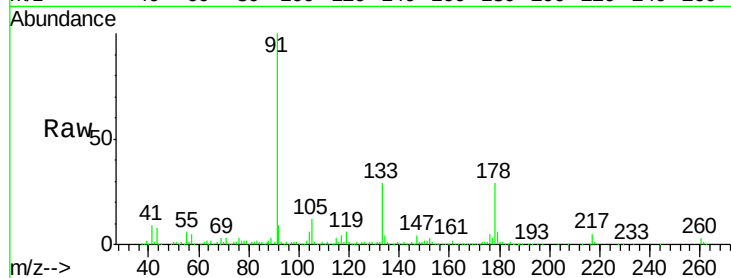
#71
 Anthracene
 Concen: 4.940 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	21.5	12.6	19.0

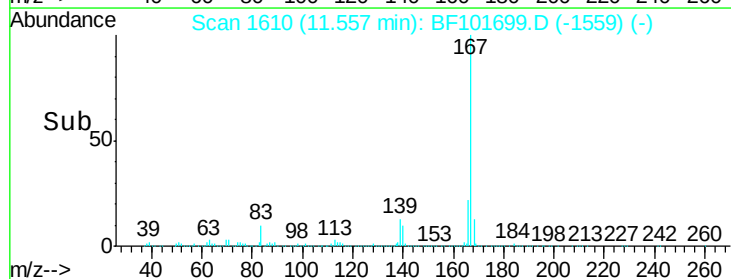
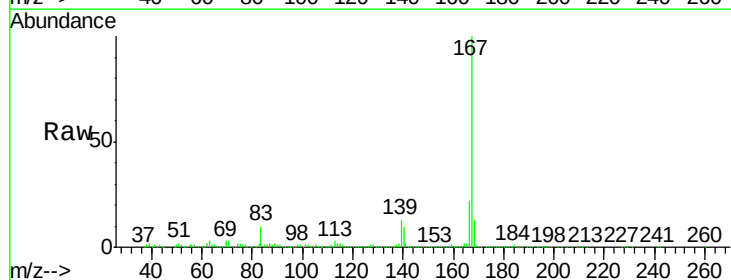
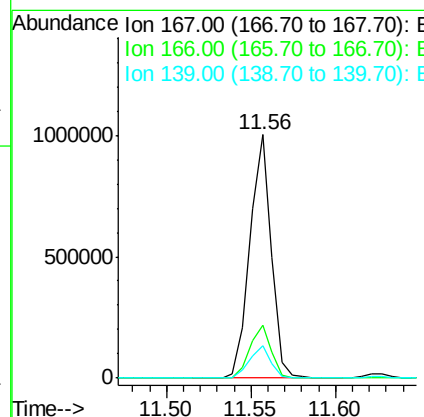
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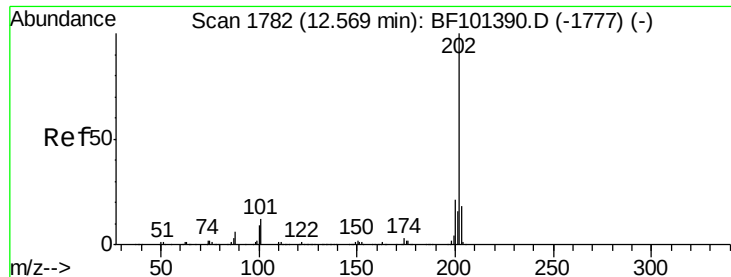
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#72
 Carbazole
 Concen: 41.927 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101699.D
 Acq: 23 Dec 2017 13:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 2.430 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Instrument :

BNA_F

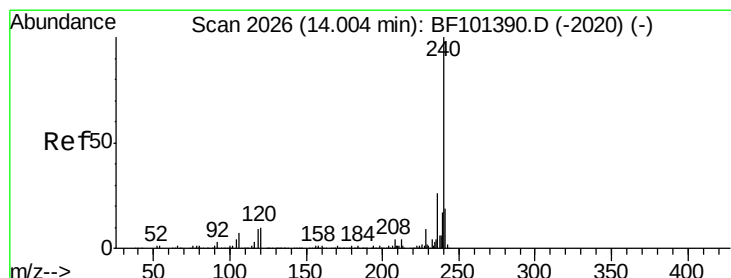
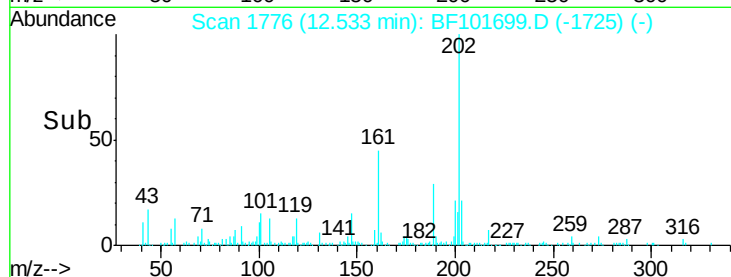
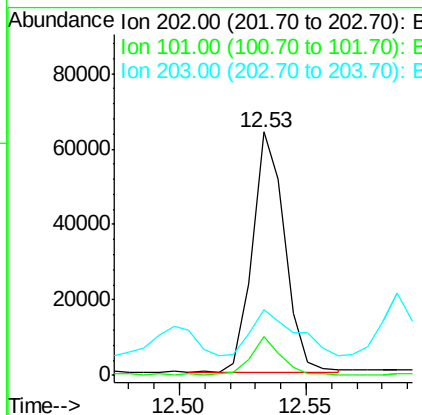
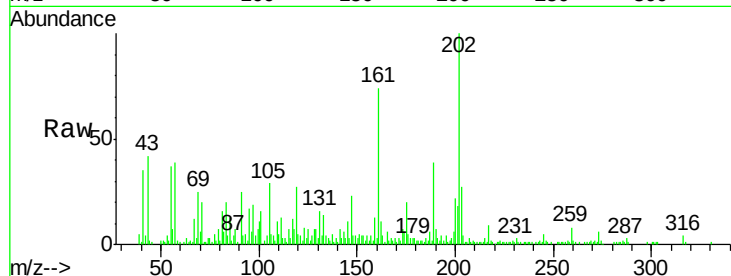
ClientSampleId :

WC-34972326-01

Tgt Ion:	202	Resp:	56155
Ion Ratio	Lower	Upper	
202	100		
101	15.8	0.0	34.1
203	27.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

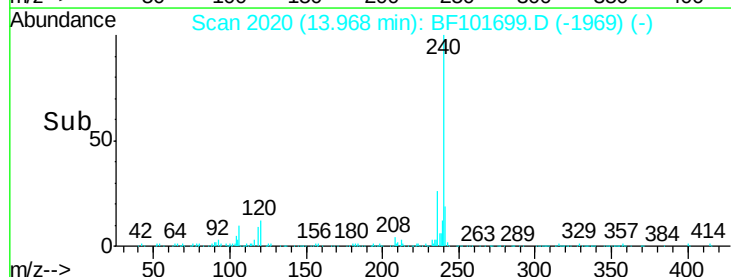
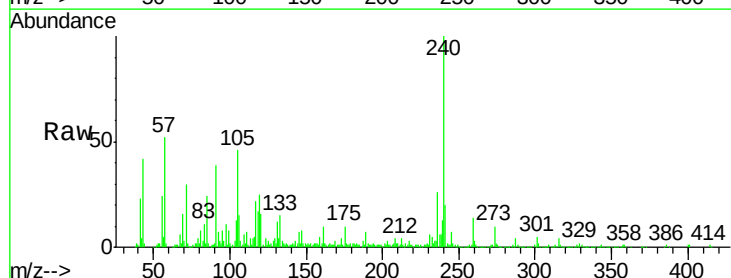
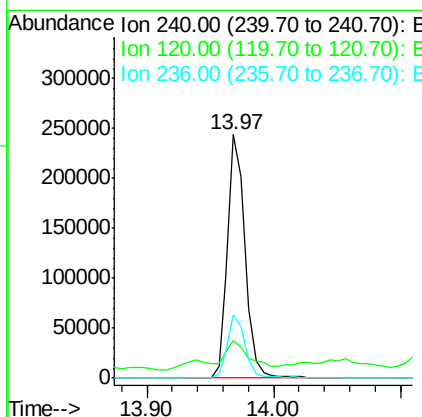
RT: 13.97 min Scan# 2020

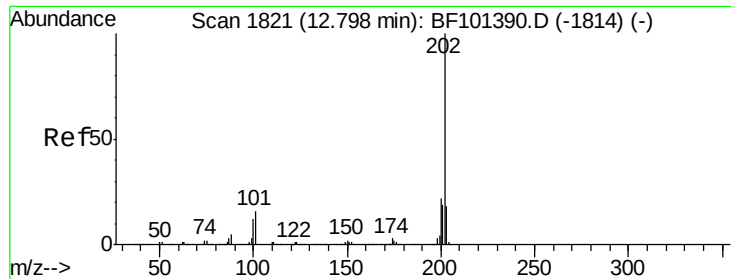
Delta R.T. 0.00 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Tgt Ion:	240	Resp:	231266
Ion Ratio	Lower	Upper	
240	100		
120	15.7	9.5	14.3#
236	25.8	20.7	31.1





#77

Pyrene

Concen: 2.041 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Instrument :

BNA_F

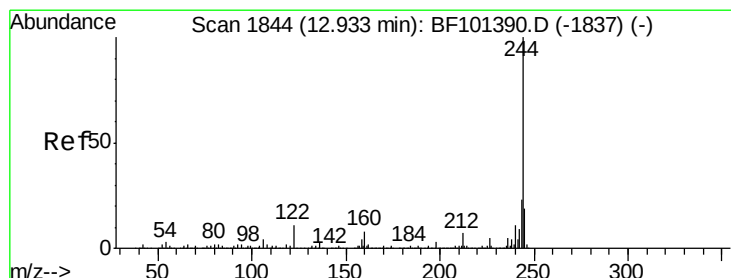
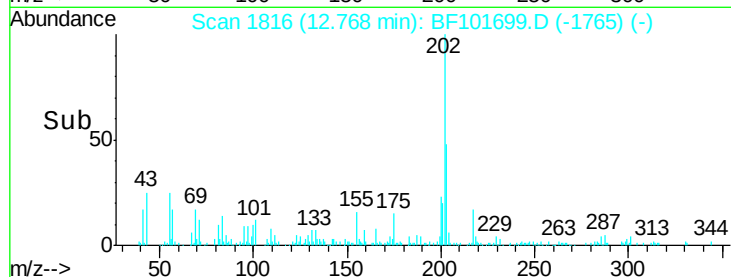
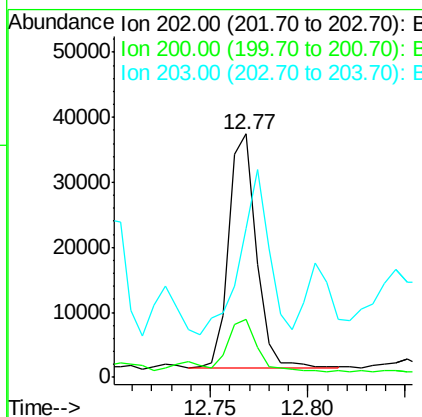
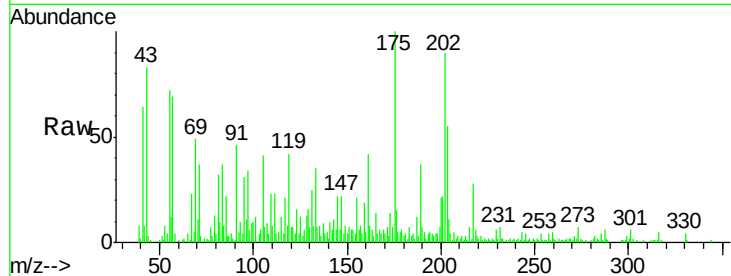
ClientSampleId :

WC-34972326-01

Tgt Ion:	202	Resp:	35427
Ion Ratio	Lower	Upper	
202	100		
200	23.8	17.4	26.2
203	60.9	14.3	21.5#

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#78

Terphenyl-d14

Concen: 135.087 ng

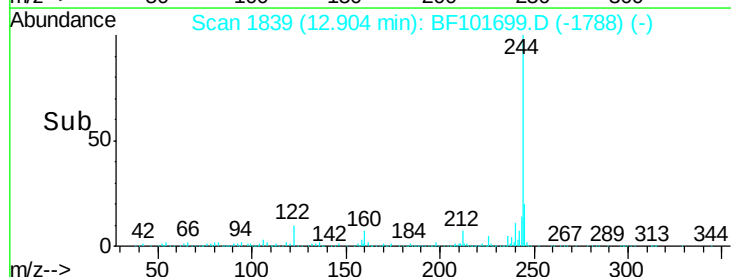
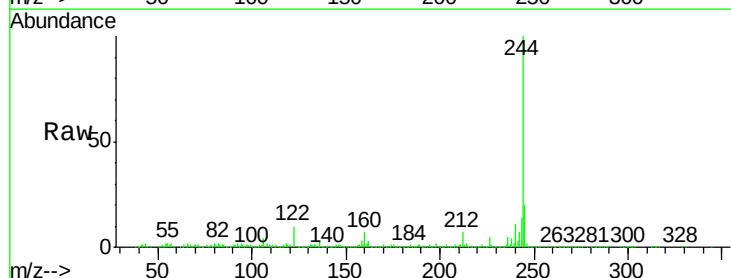
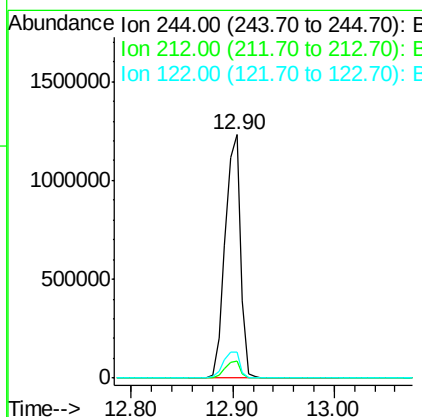
RT: 12.90 min Scan# 1839

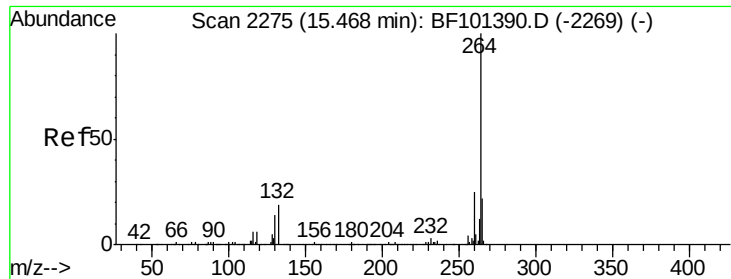
Delta R.T. 0.00 min

Lab File: BF101699.D

Acq: 23 Dec 2017 13:05

Tgt Ion:	244	Resp:	1295890
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	10.5	11.0	16.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101699.D
Acq: 23 Dec 2017 13:05

Instrument :
BNA_F
ClientSampleId :
WC-34972326-01

Tgt Ion:	264	Resp:	271237
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3

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